

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067628.D
 Acq On : 12 Nov 2020 17:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/16/2020 2:35:01 PM

Quant Time: Nov 13 12:26:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	335621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	497808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	455503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	228494	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	137210	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
35) Dibromofluoromethane	7.92	113	141685	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
50) Toluene-d8	10.34	98	486770	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
62) 4-Bromofluorobenzene	12.64	95	178258	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	121001	43.992	ug/l	98
3) Chloromethane	2.21	50	82898	39.664	ug/l	96
4) Vinyl Chloride	2.35	62	94995	40.768	ug/l	92
5) Bromomethane	2.77	94	76129	40.309	ug/l	97
6) Chloroethane	2.93	64	61666	42.926	ug/l	97
7) Trichlorofluoromethane	3.27	101	272561	45.176	ug/l	91
8) Diethyl Ether	3.70	74	62678	51.557	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	145028	47.621	ug/l	99
10) Methyl Iodide	4.30	142	154761	47.414	ug/l	100
11) Tert butyl alcohol	5.23	59	39982	321.965	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	133642	47.708	ug/l	96
13) Acrolein	3.93	56	34564	263.615	ug/l	99
14) Allyl chloride	4.71	41	145066	48.387	ug/l	98
15) Acrylonitrile	5.42	53	118782	264.318	ug/l	99
16) Acetone	4.16	43	99117	225.701	ug/l	98
17) Carbon Disulfide	4.41	76	371982	43.335	ug/l	100
18) Methyl Acetate	4.72	43	50506	55.655	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	301774	54.615	ug/l	94
20) Methylene Chloride	4.96	84	149733	48.268	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	154045	47.214	ug/l	96
22) Diisopropyl ether	6.36	45	305498	52.290	ug/l	97
23) Vinyl Acetate	6.31	43	838526	274.190	ug/l	100
24) 1,1-Dichloroethane	6.27	63	233451	48.843	ug/l	97
25) 2-Butanone	7.21	43	125138	266.679	ug/l	98
26) 2,2-Dichloropropane	7.21	77	240833	47.743	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	167130	49.351	ug/l	97
28) Bromochloromethane	7.55	49	87181	51.279	ug/l	99
29) Tetrahydrofuran	7.57	42	78961	280.920	ug/l	99
30) Chloroform	7.71	83	283132	49.654	ug/l	97
31) Cyclohexane	7.99	56	191378	44.963	ug/l #	92
32) 1,1,1-Trichloroethane	7.91	97	276482	46.995	ug/l	100
36) 1,1-Dichloropropene	8.12	75	204109	47.900	ug/l	99
37) Ethyl Acetate	7.29	43	55697	50.346	ug/l #	80
38) Carbon Tetrachloride	8.10	117	267592	48.333	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067628.D
 Acq On : 12 Nov 2020 17:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/16/2020 2:35:01 PM

Quant Time: Nov 13 12:26:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	245101	48.871	ug/l	96
40) Benzene	8.36	78	576124	49.913	ug/l	99
41) Methacrylonitrile	7.54	41	38364m	58.016	ug/l	
42) 1,2-Dichloroethane	8.43	62	179924	50.452	ug/l	100
43) Isopropyl Acetate	8.46	43	120311	54.990	ug/l	98
44) Trichloroethene	9.11	130	185029	48.753	ug/l	91
45) 1,2-Dichloropropane	9.39	63	124583	49.922	ug/l	98
46) Dibromomethane	9.48	93	79836	50.314	ug/l	98
47) Bromodichloromethane	9.67	83	218723	50.715	ug/l	98
48) Methyl methacrylate	9.46	41	59533	52.701	ug/l	96
49) 1,4-Dioxane	9.47	88	18061	1121.231	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	297053	283.893	ug/l	99
52) Toluene	10.41	92	419925	54.316	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	191627	51.879	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	223168	50.852	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	111037	52.888	ug/l	95
56) Ethyl methacrylate	10.67	69	117116	54.019	ug/l	97
57) 1,3-Dichloropropane	10.95	76	174010	51.506	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	288832	285.683	ug/l	98
59) 2-Hexanone	10.99	43	201950	276.034	ug/l	99
60) Dibromochloromethane	11.14	129	160508	51.682	ug/l	97
61) 1,2-Dibromoethane	11.25	107	109235	51.841	ug/l	97
64) Tetrachloroethene	10.88	164	162833	48.269	ug/l	94
65) Chlorobenzene	11.67	112	435148	49.594	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	176531	51.047	ug/l	99
67) Ethyl Benzene	11.75	91	764255	50.901	ug/l	97
68) m/p-Xylenes	11.86	106	587993	100.662	ug/l	99
69) o-Xylene	12.18	106	268051	51.398	ug/l	99
70) Styrene	12.20	104	462881	50.935	ug/l	100
71) Bromoform	12.37	173	94783	53.740	ug/l #	100
73) Isopropylbenzene	12.48	105	751221	50.871	ug/l	99
74) N-amyl acetate	12.29	43	106105	54.605	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	107256	53.264	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	81602m	59.200	ug/l	
77) Bromobenzene	12.77	156	184262	50.808	ug/l	99
78) n-propylbenzene	12.83	91	849178	50.274	ug/l	99
79) 2-Chlorotoluene	12.91	91	490212	51.091	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	647885	51.359	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	34478	50.783	ug/l	96
82) 4-Chlorotoluene	13.01	91	523728	50.894	ug/l	99
83) tert-Butylbenzene	13.23	119	565908	52.932	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	648900	51.677	ug/l	99
85) sec-Butylbenzene	13.41	105	744922	51.614	ug/l	99
86) p-Isopropyltoluene	13.52	119	709641	50.917	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	345895	49.984	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	336891	48.078	ug/l	98
89) n-Butylbenzene	13.85	91	610954	50.751	ug/l	100
90) Hexachloroethane	14.11	117	132330	50.419	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	300712	50.210	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18621	52.229	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111220\
Data File : VD067628.D
Acq On : 12 Nov 2020 17:30
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

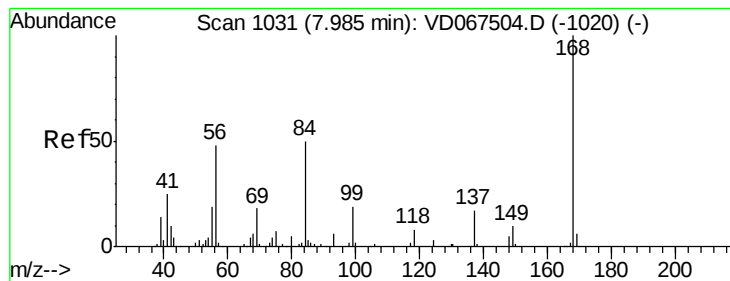
Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:35:01 PM

Quant Time: Nov 13 12:26:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	209490	51.536	ug/l	100
94) Hexachlorobutadiene	15.27	225	132070	48.546	ug/l	98
95) Naphthalene	15.40	128	352807	56.241	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	182431	52.408	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 335621

Ion Ratio Lower Upper

168 100

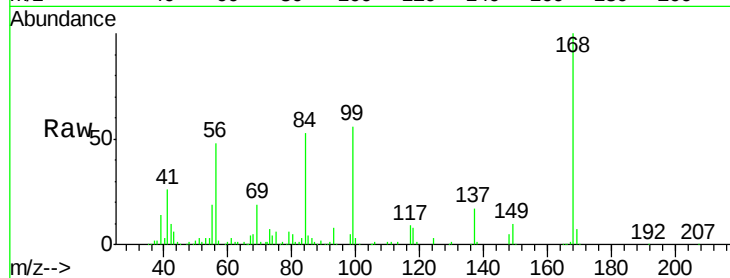
99 55.4 45.0 67.6

Manual Integrations

APPROVED

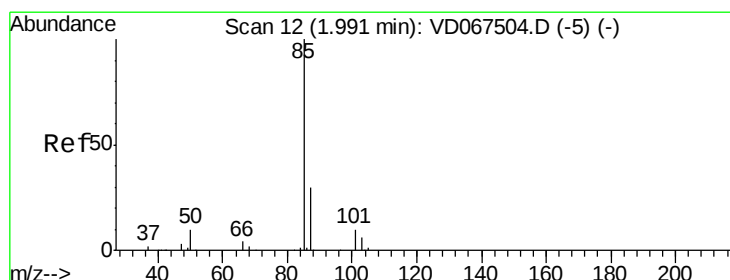
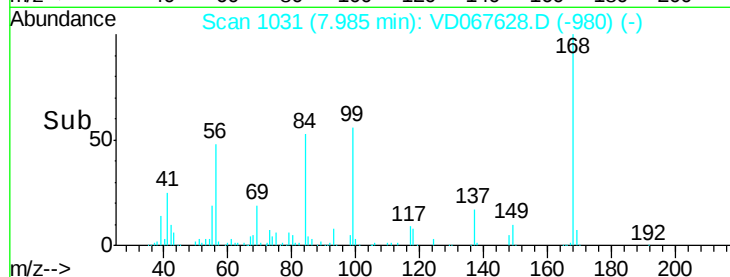
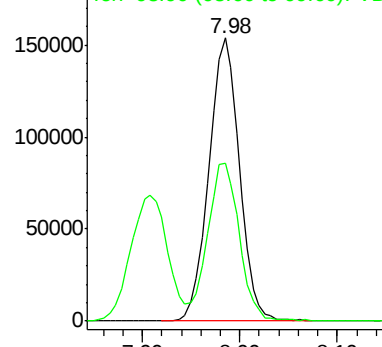
MMDadoda

11/16/2020 2:35:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 43.992 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067628.D

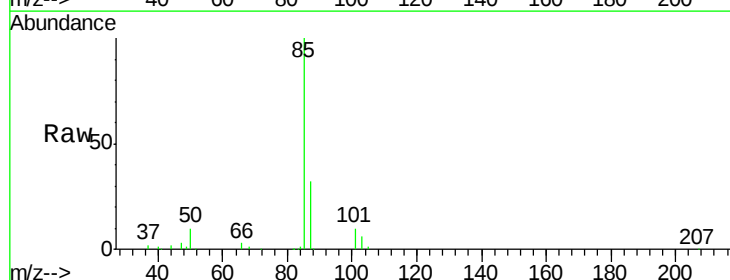
Acq: 12 Nov 2020 17:30

Tgt Ion: 85 Resp: 121001

Ion Ratio Lower Upper

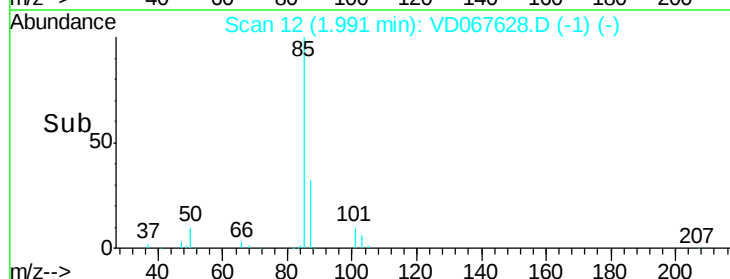
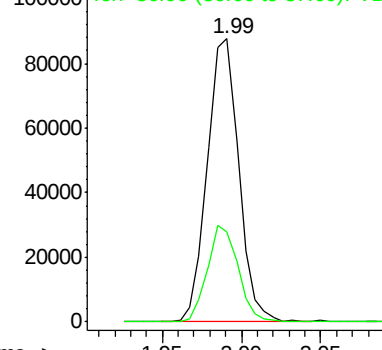
85 100

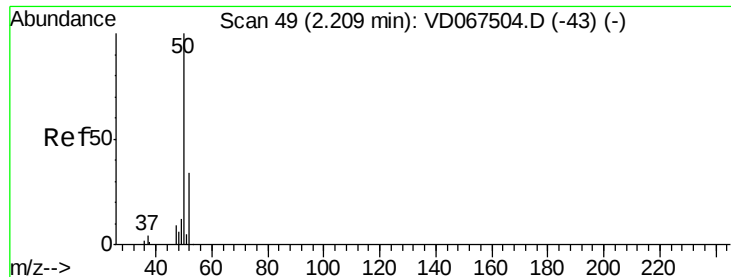
87 31.7 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 39.664 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 82898

Ion Ratio Lower Upper

50 100

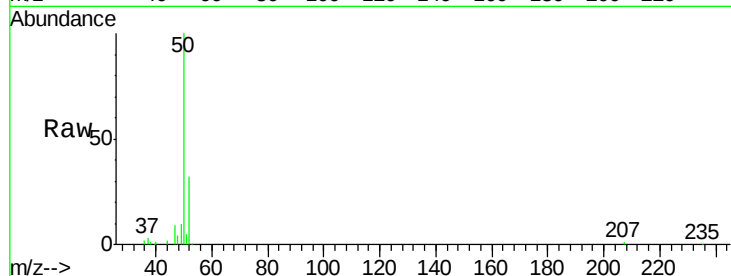
52 31.9 27.3 40.9

Manual Integrations

APPROVED

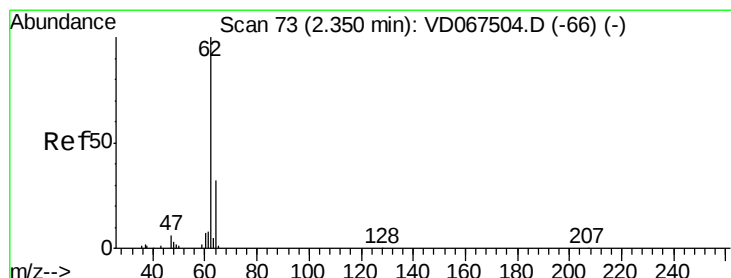
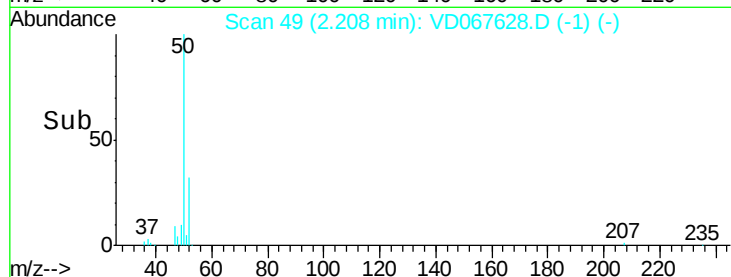
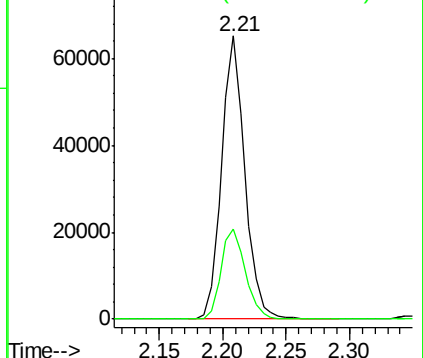
MMDadoda

11/16/2020 2:35:01 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 40.768 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067628.D

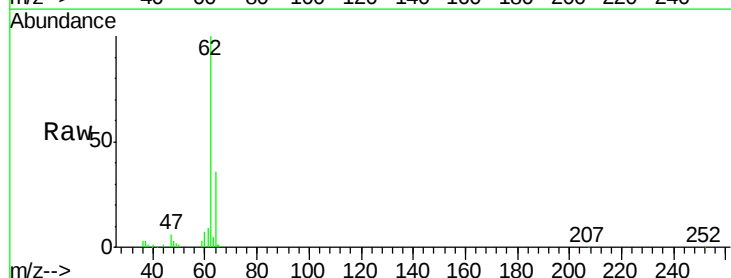
Acq: 12 Nov 2020 17:30

Tgt Ion: 62 Resp: 94995

Ion Ratio Lower Upper

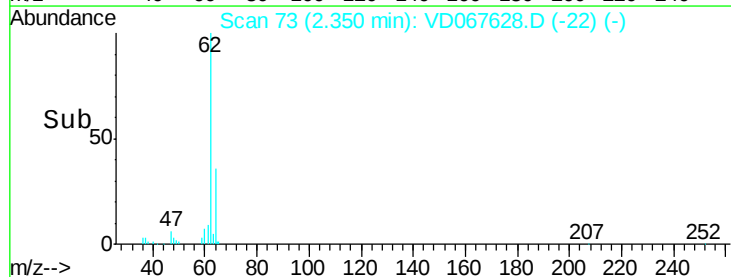
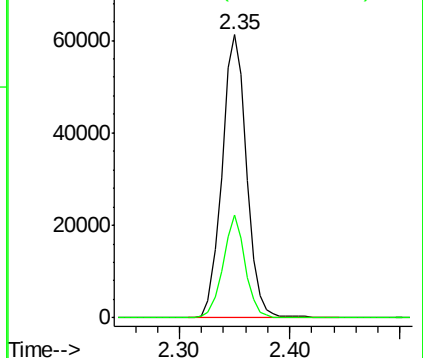
62 100

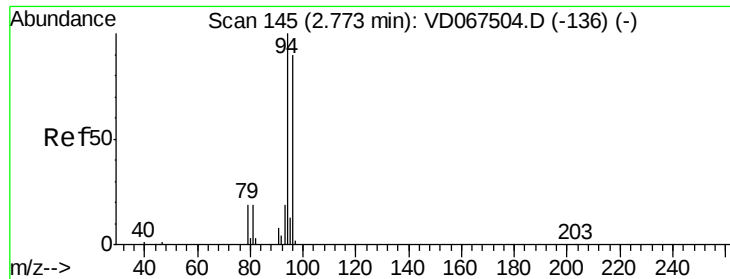
64 36.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 40.309 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 76129

Ion Ratio Lower Upper

94 100

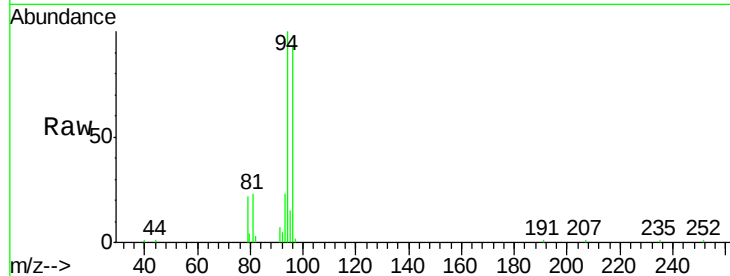
96 93.2 72.2 108.2

Manual Integrations

APPROVED

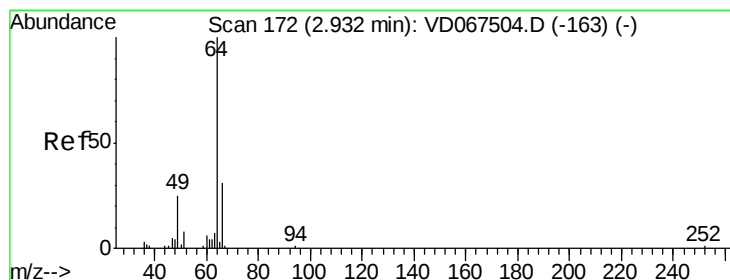
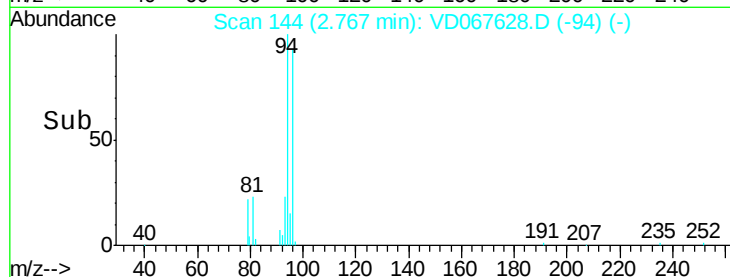
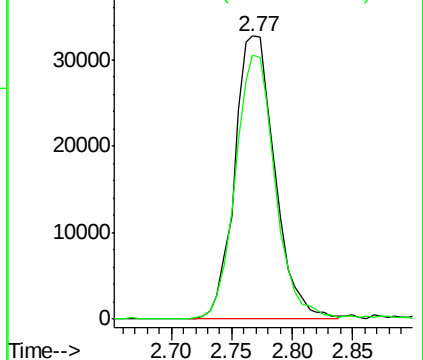
MMDadoda

11/16/2020 2:35:01 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 42.926 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067628.D

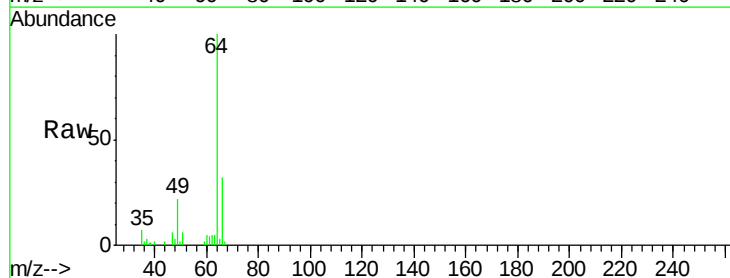
Acq: 12 Nov 2020 17:30

Tgt Ion: 64 Resp: 61666

Ion Ratio Lower Upper

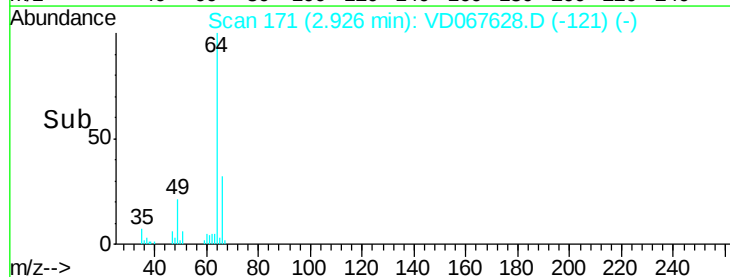
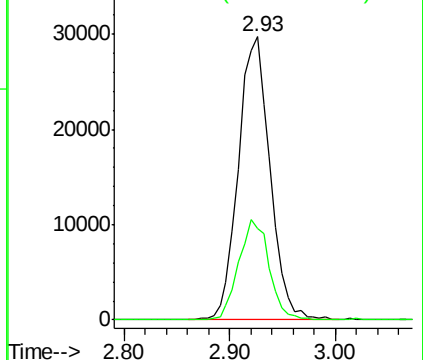
64 100

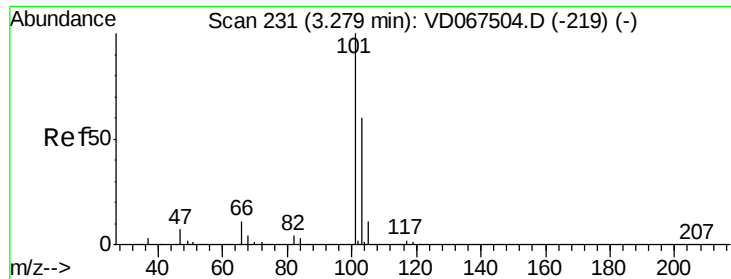
66 32.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

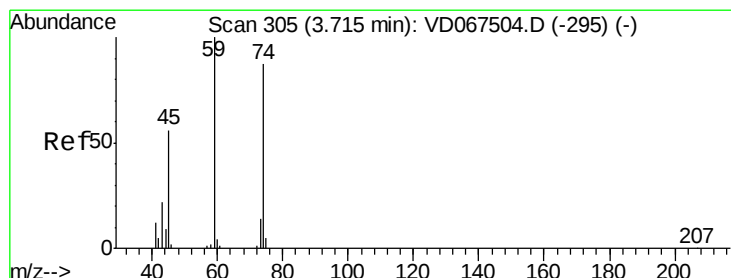
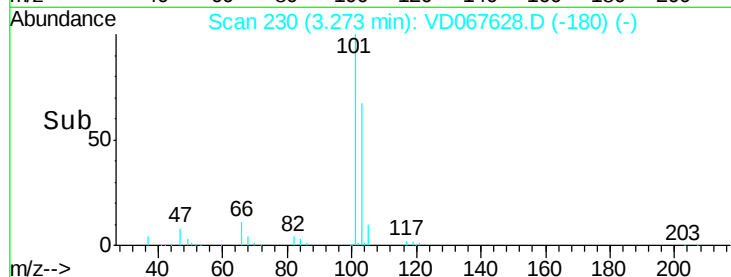
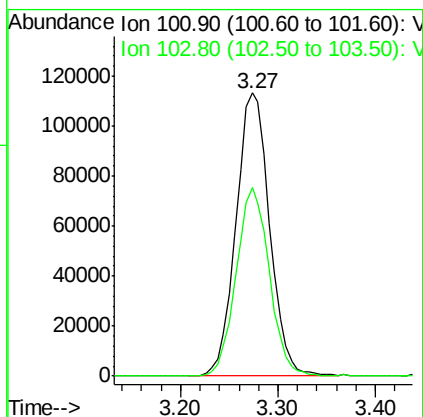
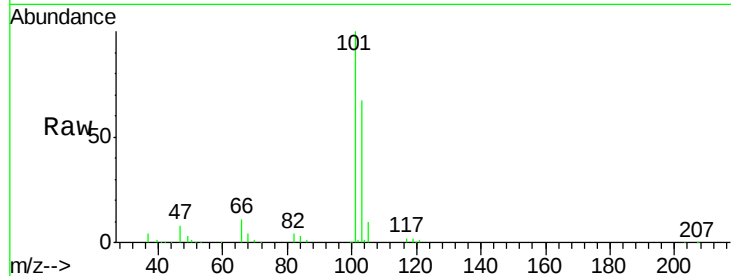
Trichlorofluoromethane
Concen: 45.176 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.01 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	48.1	72.1

Manual Integrations
APPROVED

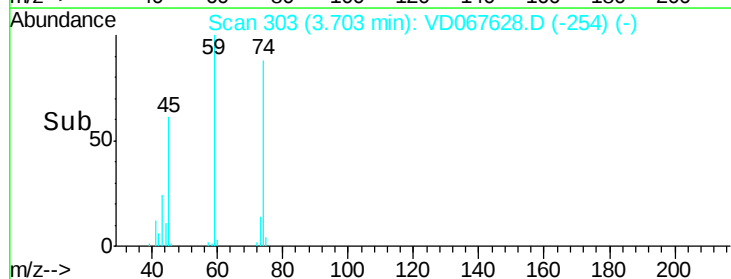
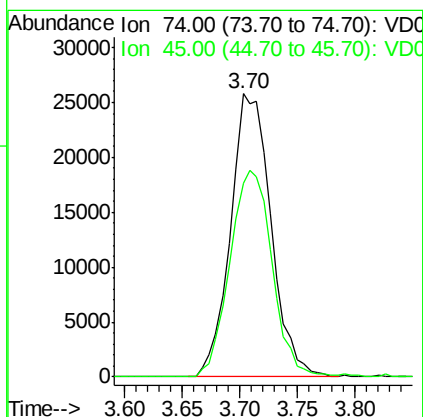
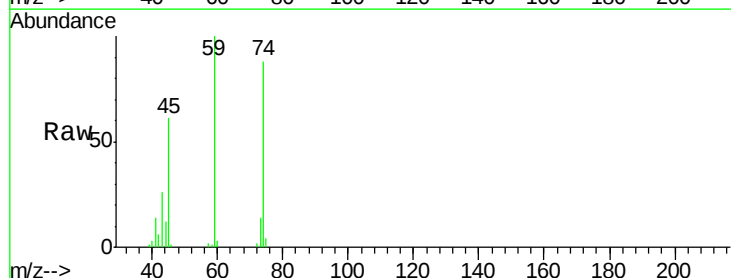
MMDadoda
11/16/2020 2:35:01 PM

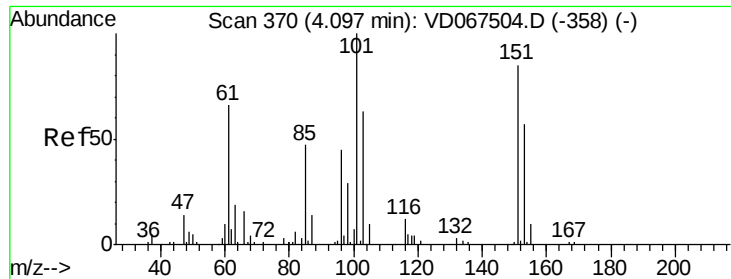


#8

Diethyl Ether
Concen: 51.557 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	76.4	38.2	114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.621 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

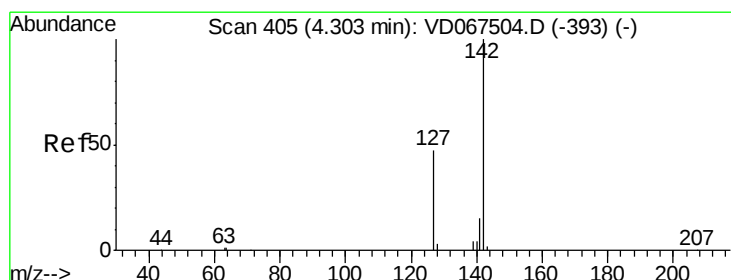
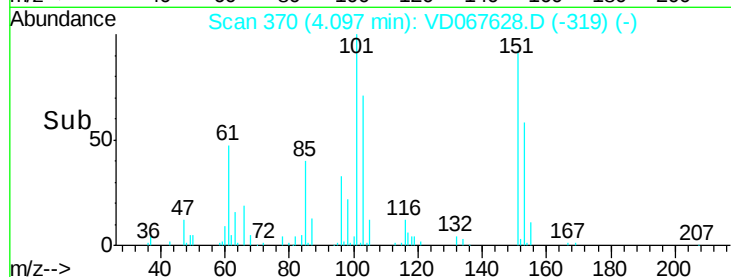
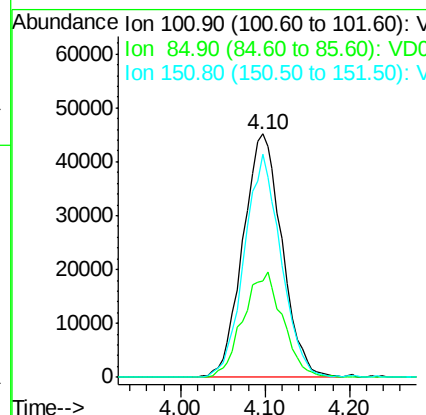
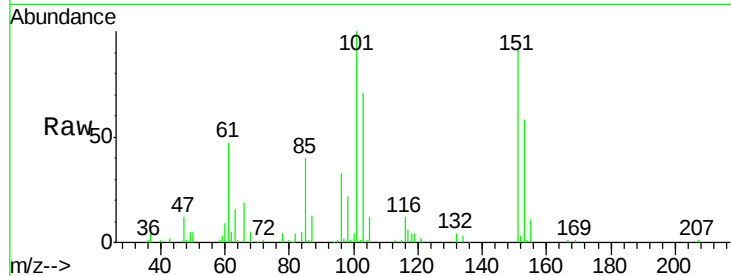
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	145028
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.4	51.6
151	86.1	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:35:01 PM



#10

Methyl Iodide

Concen: 47.414 ug/l

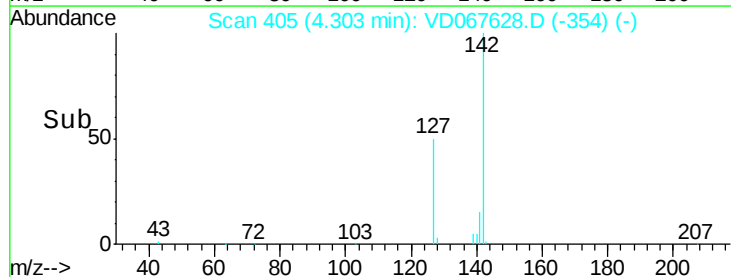
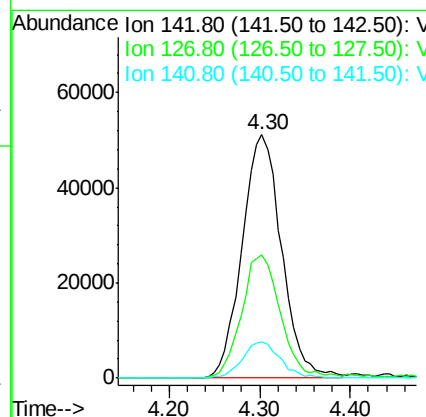
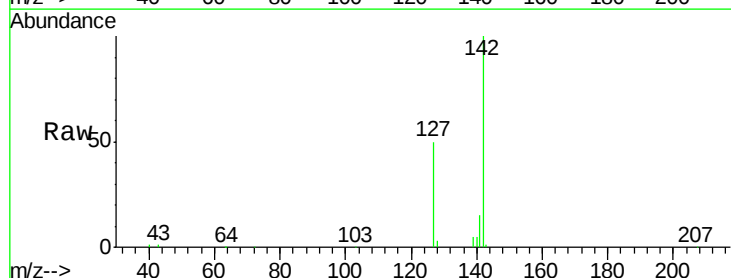
RT: 4.30 min Scan# 405

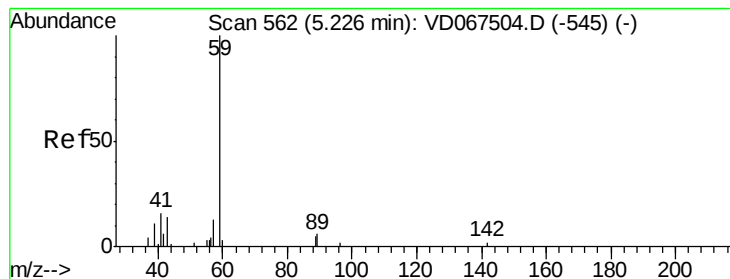
Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Tgt Ion:	142	Resp:	154761
Ion Ratio	Lower	Upper	
142	100		
127	50.0	40.0	60.0
141	14.4	11.7	17.5





#11

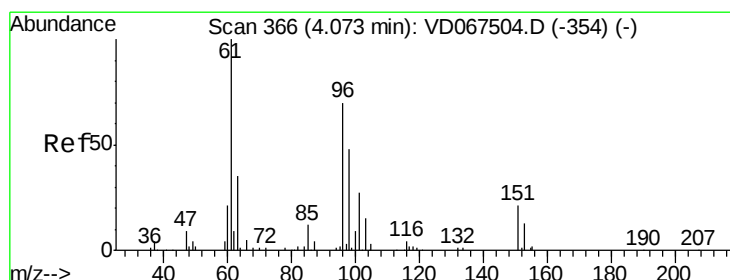
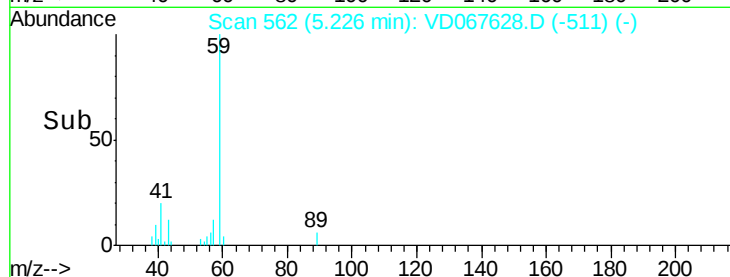
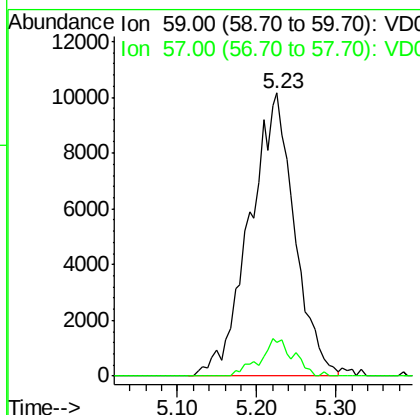
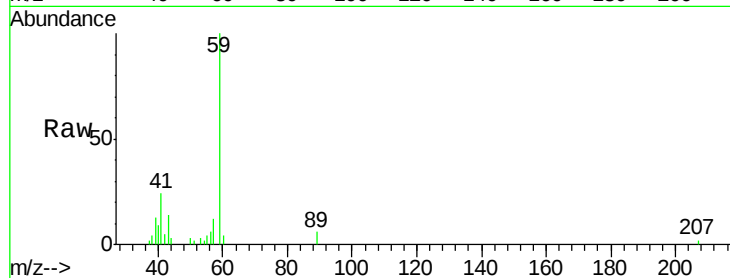
Tert butyl alcohol
 Concen: 321.965 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	39982		
57	9.7		5.9	8.9#

Manual Integrations
 APPROVED

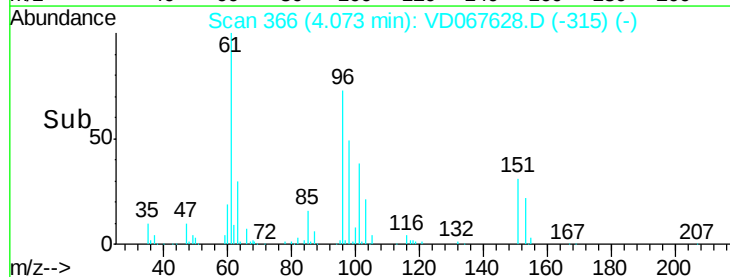
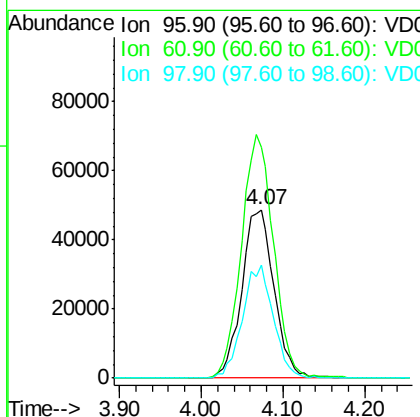
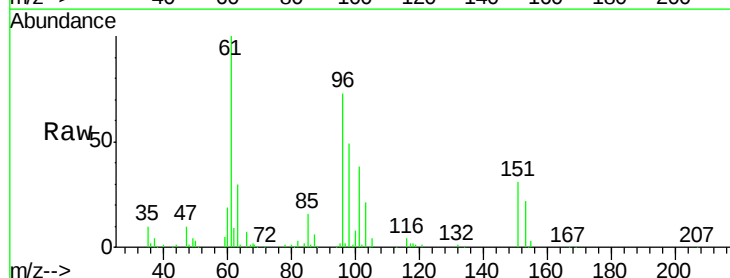
MMDadoda
 11/16/2020 2:35:01 PM

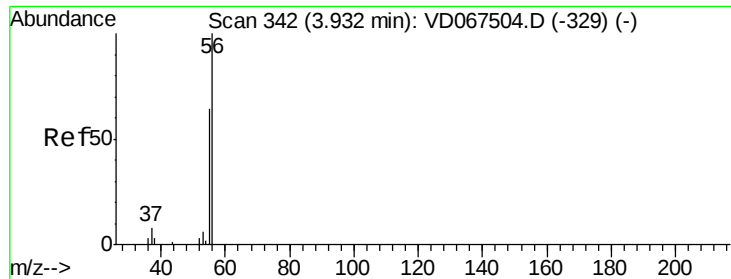


#12

1,1-Dichloroethene
 Concen: 47.708 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	133642		
61	136.9		114.5	171.7
98	67.3		54.5	81.7





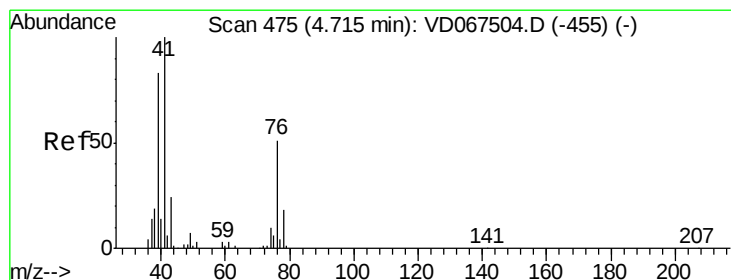
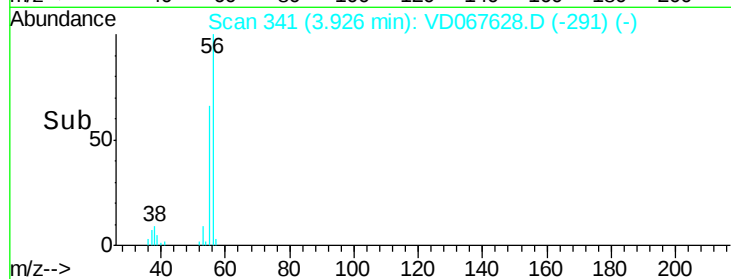
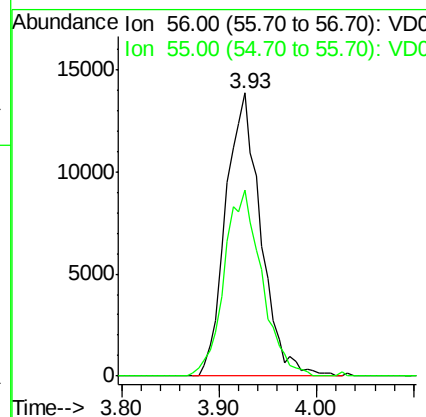
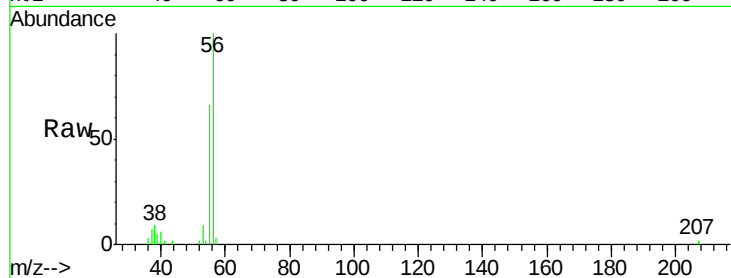
#13
Acrolein
Concen: 263.615 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.01 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	34564
Ion Ratio	100	Lower	Upper
55	70.2	55.8	83.8

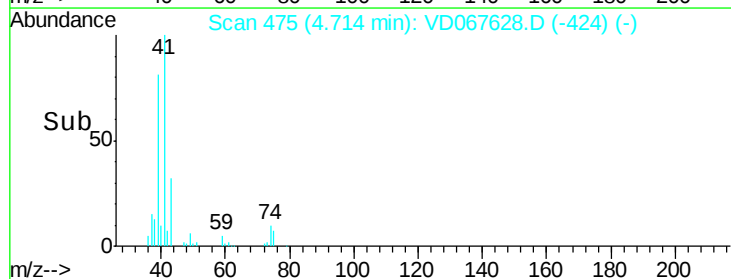
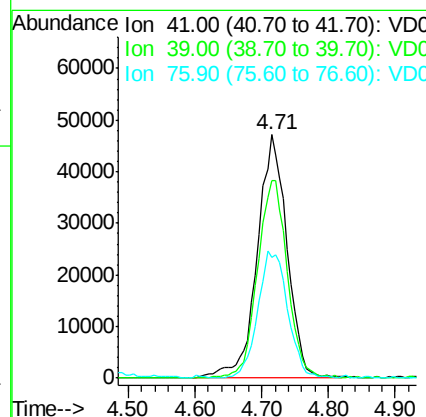
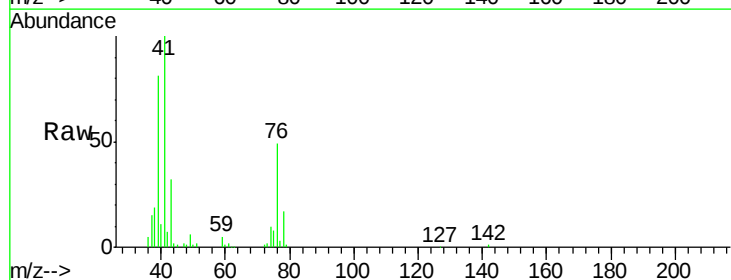
Manual Integrations
APPROVED

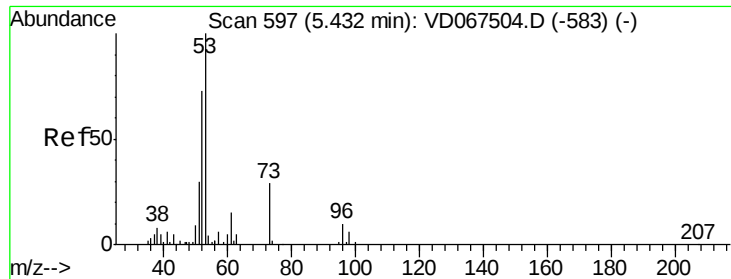
MMDadoda
11/16/2020 2:35:01 PM



#14
Allyl chloride
Concen: 48.387 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	41	Resp	145066
Ion Ratio	100	Lower	Upper
39	81.0	67.4	101.0
76	52.3	42.2	63.2





#15

Acrylonitrile

Concen: 264.318 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

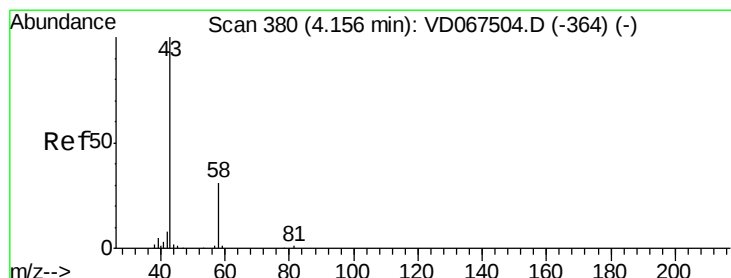
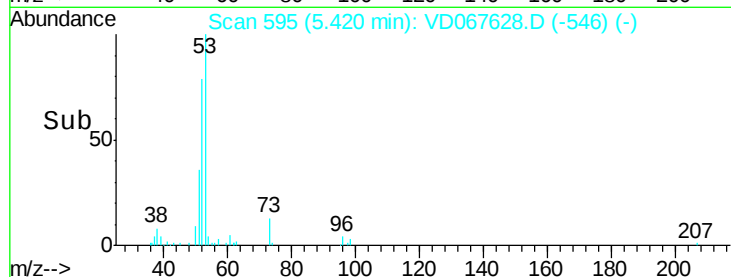
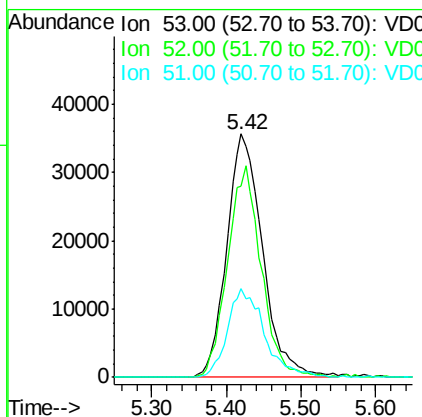
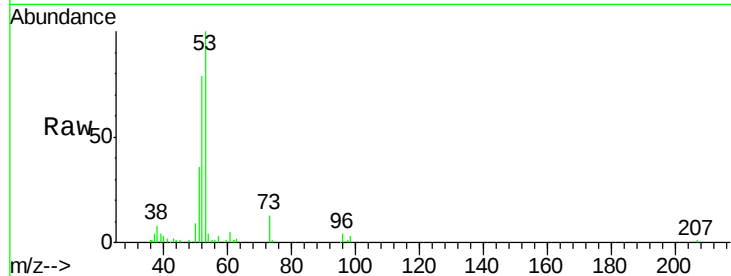
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	118782
Ion Ratio	Lower	Upper	
53	100		
52	81.7	64.8	97.2
51	37.4	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:35:01 PM



#16

Acetone

Concen: 225.701 ug/l

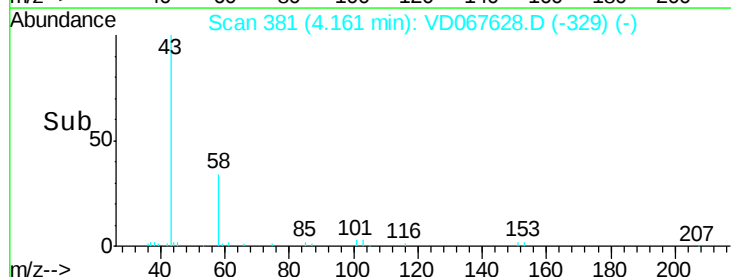
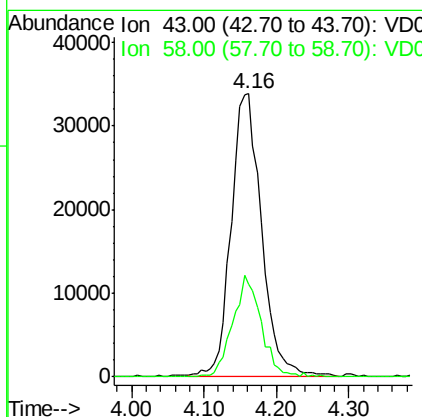
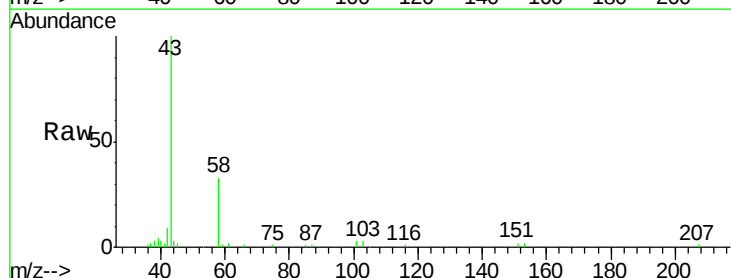
RT: 4.16 min Scan# 381

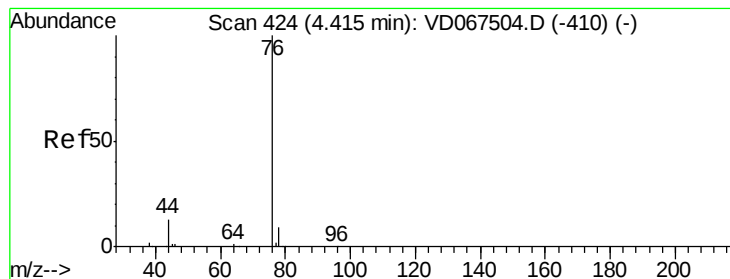
Delta R.T. 0.01 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Tgt Ion:	43	Resp:	99117
Ion Ratio	Lower	Upper	
43	100		
58	32.8	25.2	37.8





#17

Carbon Disulfide

Concen: 43.335 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 371982

Ion Ratio Lower Upper

76 100

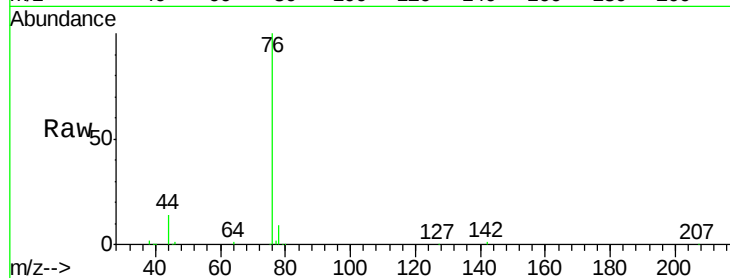
78 9.0 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

11/16/2020 2:35:01 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

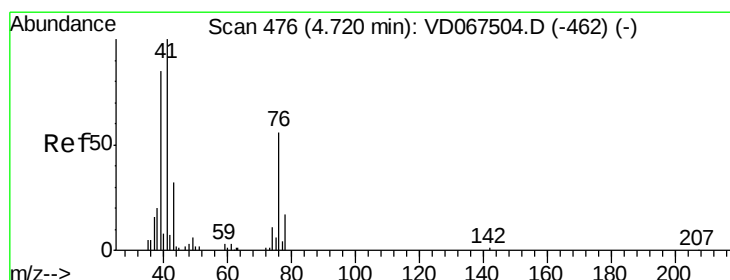
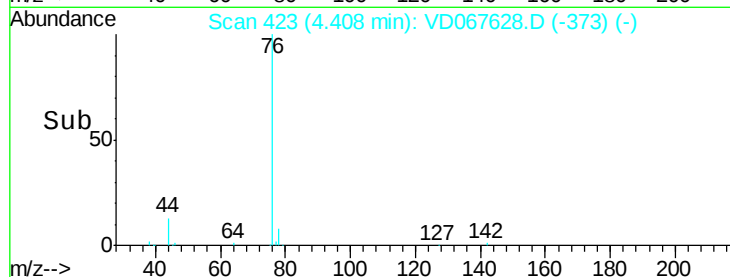
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 55.655 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD067628.D

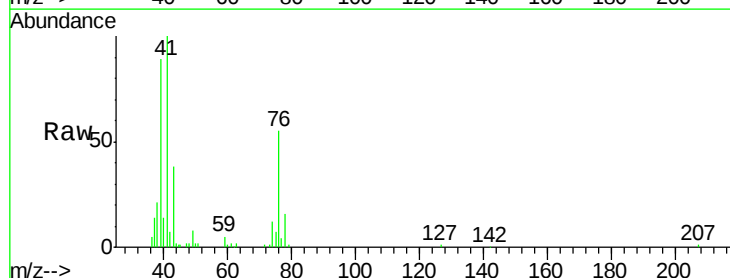
Acq: 12 Nov 2020 17:30

Tgt Ion: 43 Resp: 50506

Ion Ratio Lower Upper

43 100

74 31.7 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

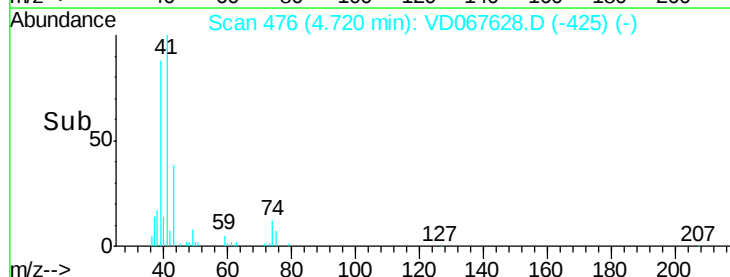
15000

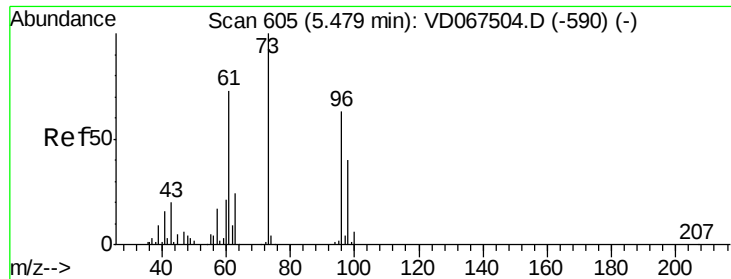
10000

5000

0

Time-->





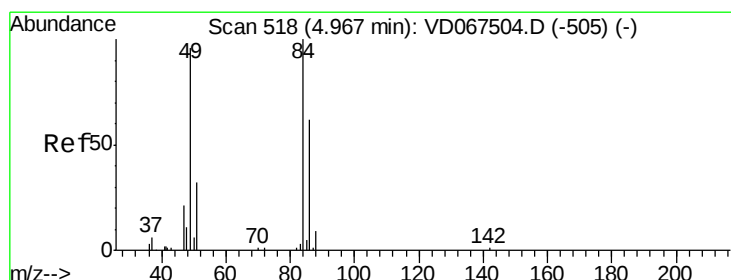
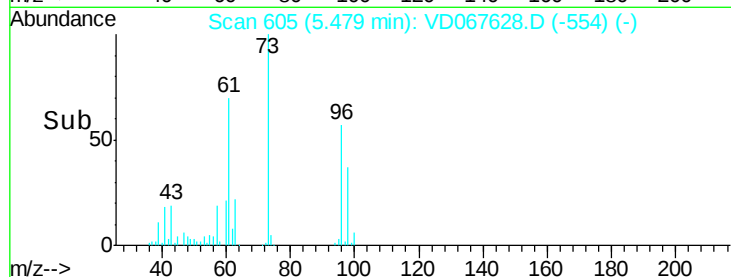
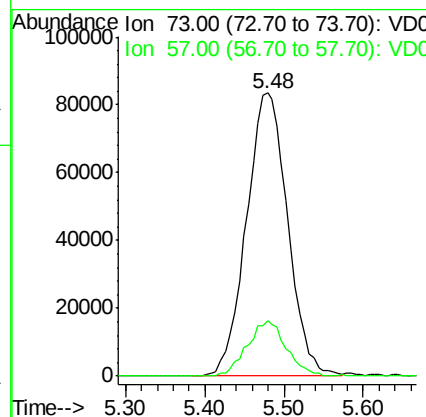
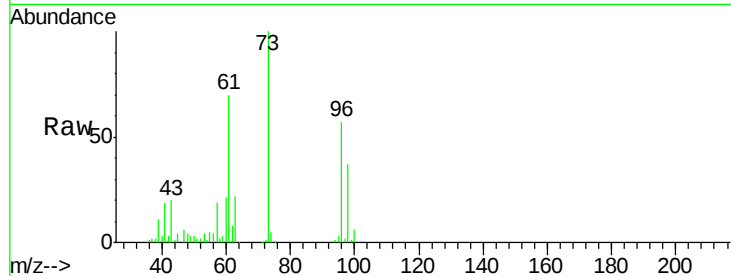
#19
Methyl tert-butyl Ether
Concen: 54.615 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 301774
Ion Ratio Lower Upper
73 100
57 19.4 13.4 20.0

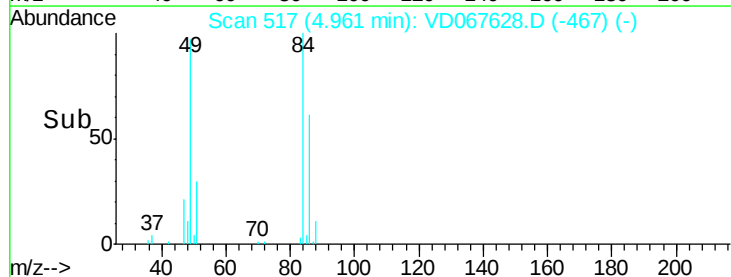
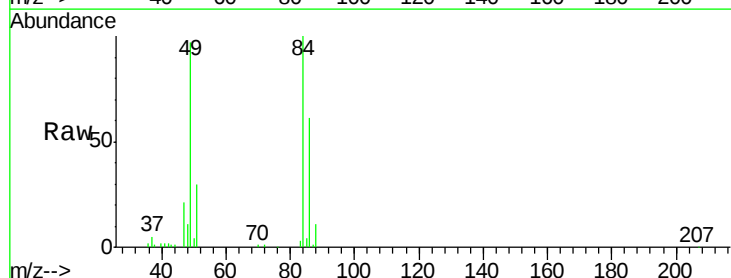
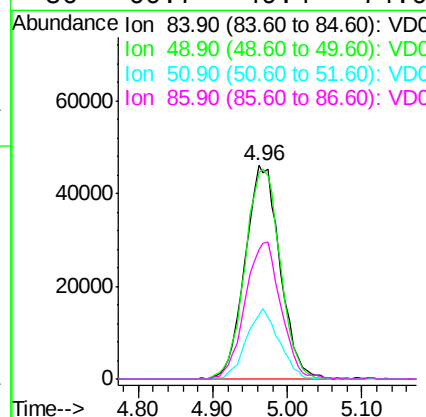
Manual Integrations
APPROVED

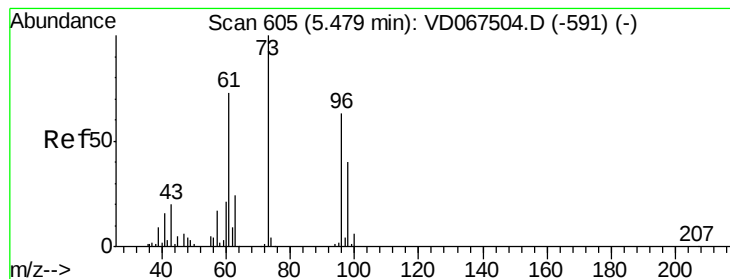
MMDadoda
11/16/2020 2:35:01 PM



#20
Methylene Chloride
Concen: 48.268 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion: 84 Resp: 149733
Ion Ratio Lower Upper
84 100
49 96.8 77.0 115.4
51 30.0 25.4 38.2
86 60.7 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 47.214 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

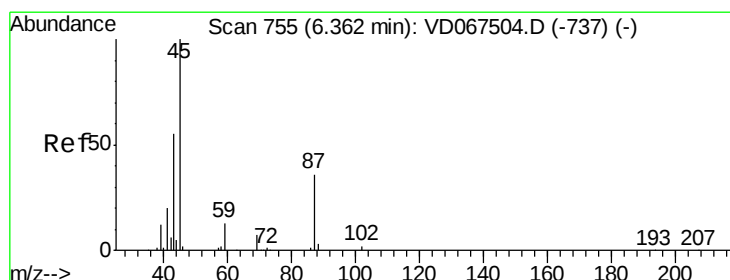
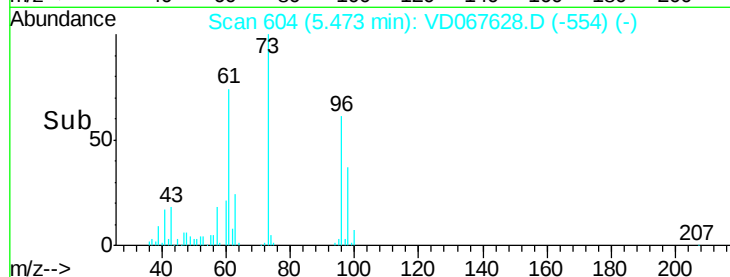
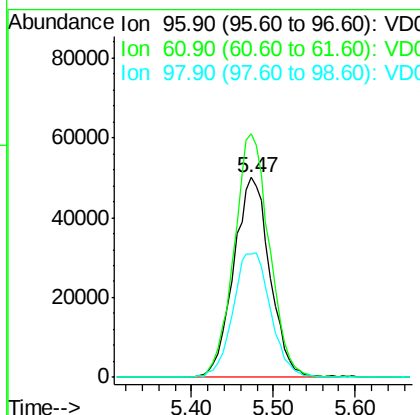
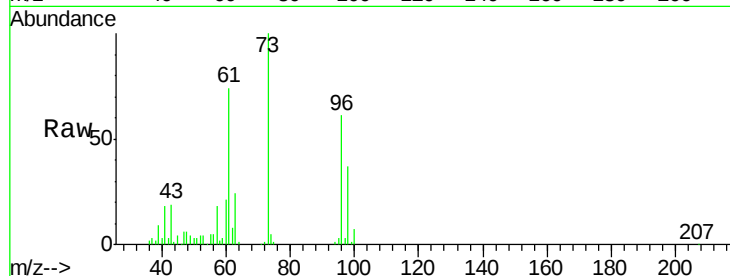
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	154045
Ion	Ratio	Lower	Upper
96	100		
61	121.8	93.0	139.6
98	61.6	50.9	76.3

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:35:01 PM



#22

Diisopropyl ether

Concen: 52.290 ug/l

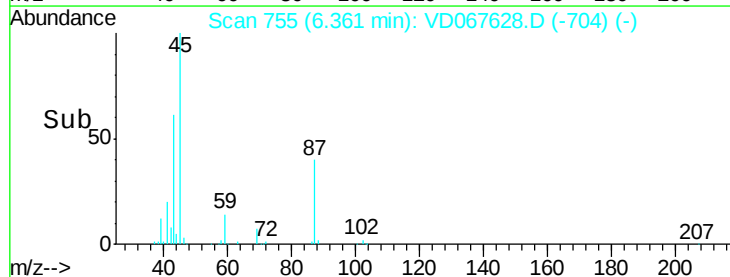
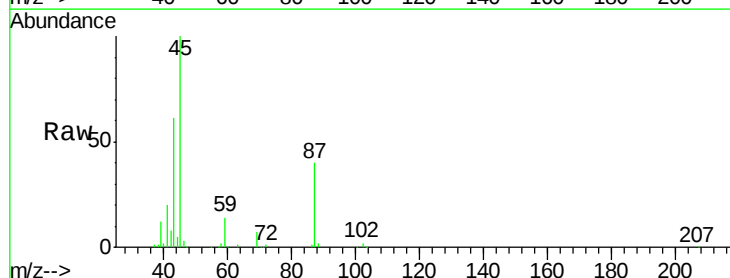
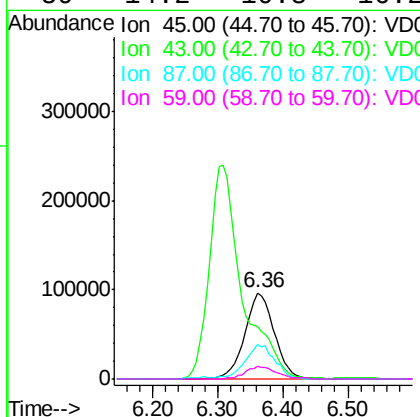
RT: 6.36 min Scan# 755

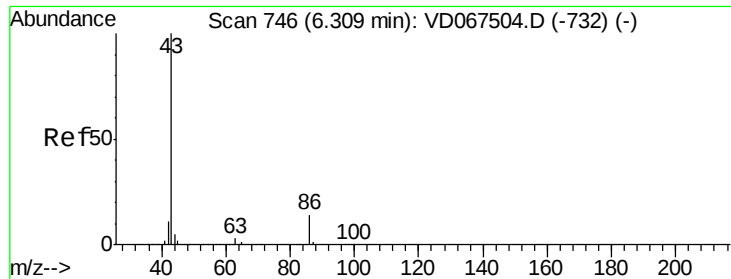
Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Tgt Ion:	45	Resp:	305498
Ion	Ratio	Lower	Upper
45	100		
43	60.2	46.2	69.4
87	39.4	29.4	44.2
59	14.2	10.8	16.2





#23

Vinyl Acetate

Concen: 274.190 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 838526

Ion Ratio Lower Upper

43 100

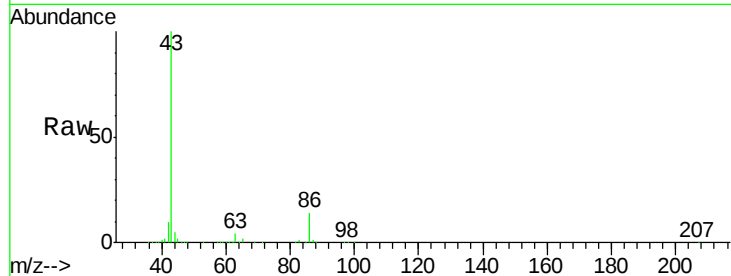
86 14.5 11.6 17.4

Manual Integrations

APPROVED

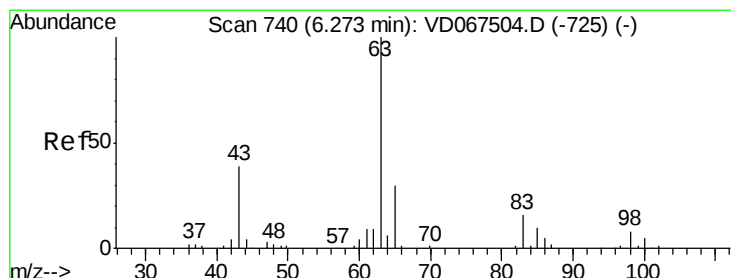
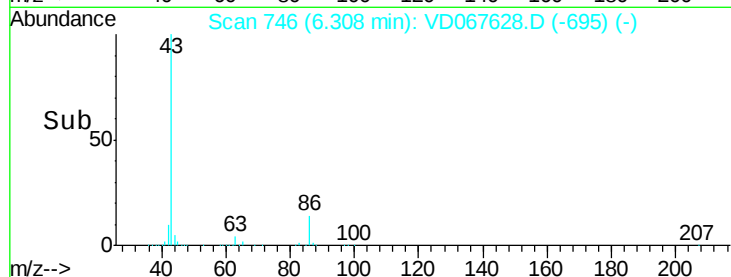
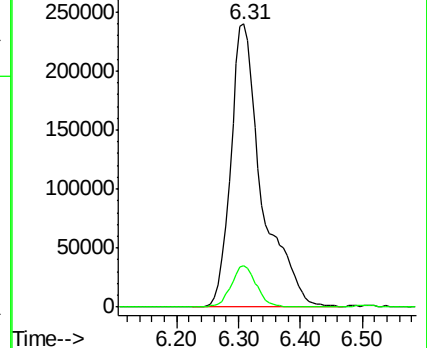
MMDadoda

11/16/2020 2:35:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.843 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

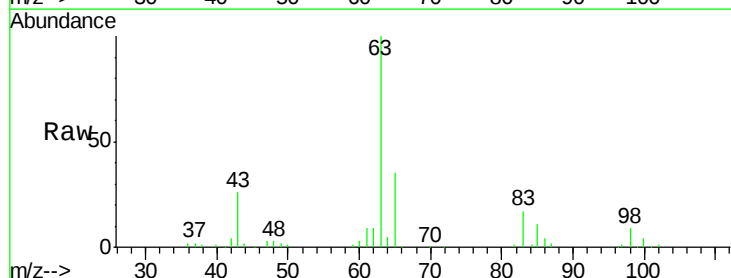
Tgt Ion: 63 Resp: 233451

Ion Ratio Lower Upper

63 100

98 9.1 3.9 11.5

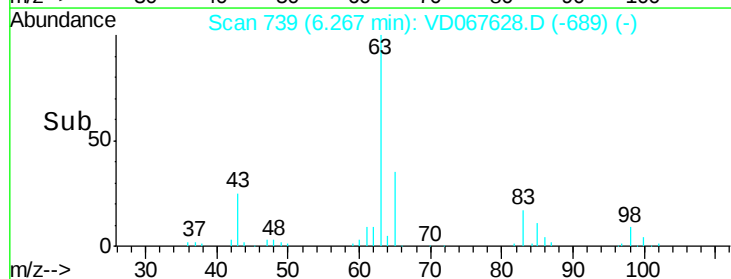
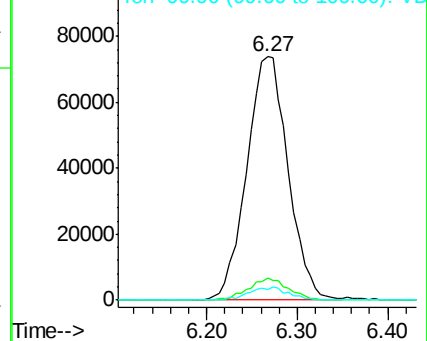
100 4.4 2.6 7.8

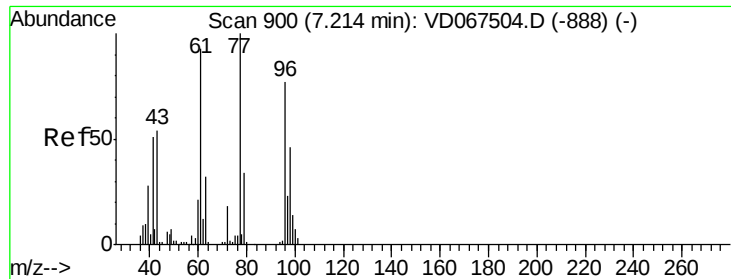


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





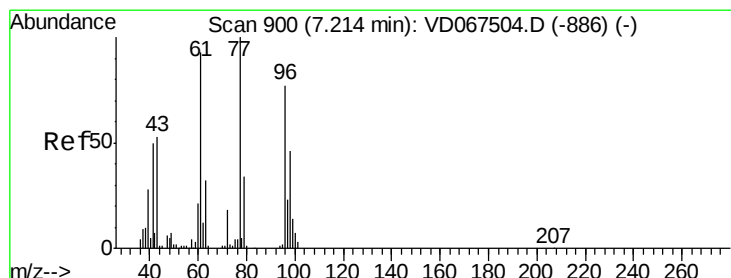
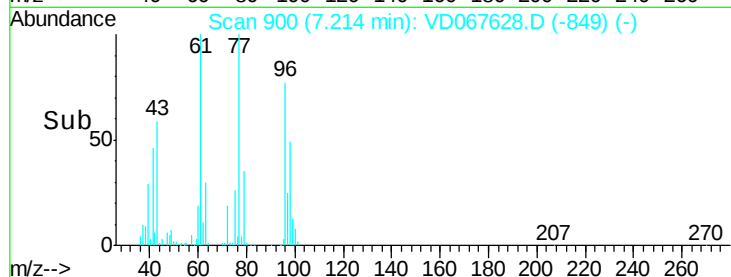
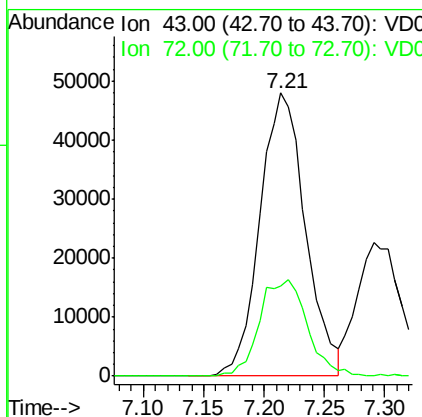
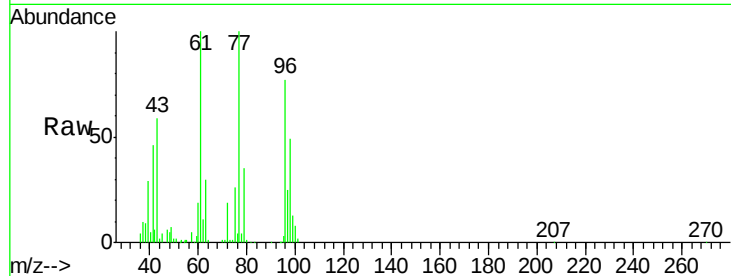
#25
2-Butanone
Concen: 266.679 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	125138
Ion Ratio	100	Lower	Upper
72	31.6	26.4	39.6

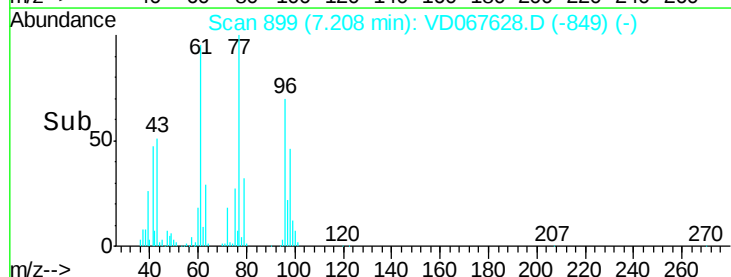
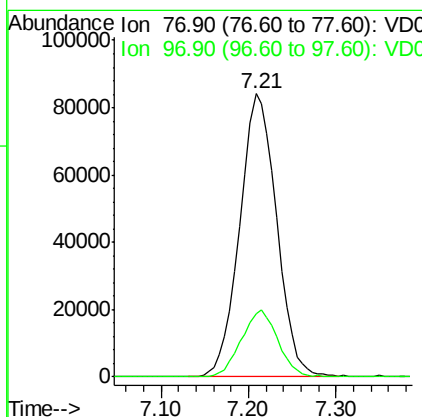
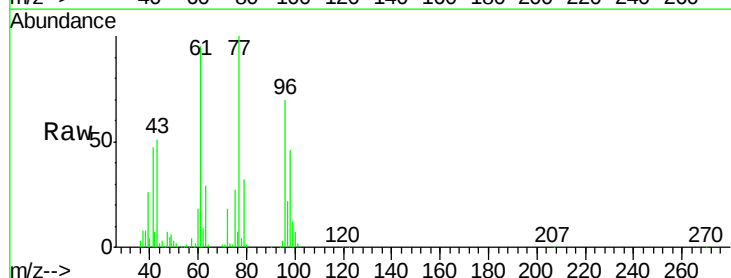
Manual Integrations
APPROVED

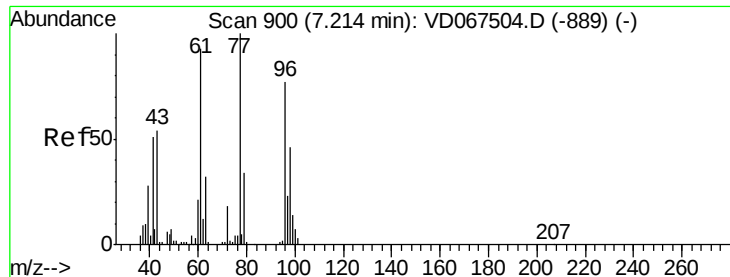
MMDadoda
11/16/2020 2:35:01 PM



#26
2,2-Dichloropropane
Concen: 47.743 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	77	Resp	240833
Ion Ratio	100	Lower	Upper
97	23.5	11.1	33.3





#27

cis-1,2-Dichloroethene

Concen: 49.351 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 167130

Ion Ratio Lower Upper

96 100

61 130.8 0.0 251.6

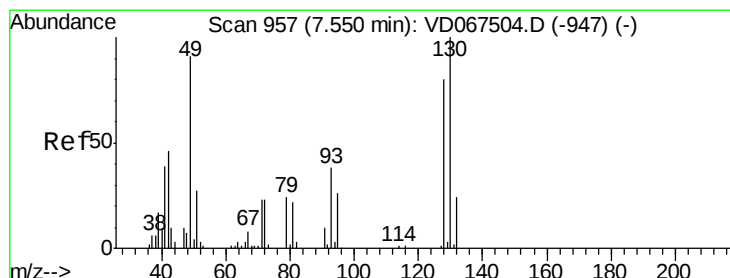
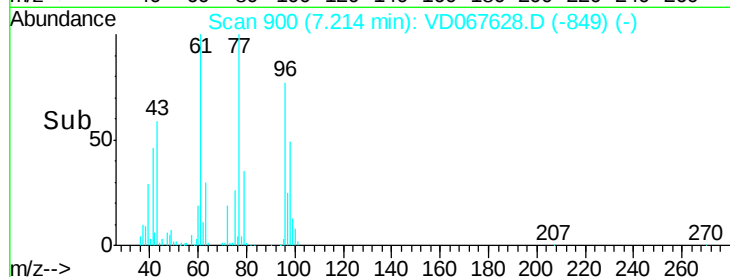
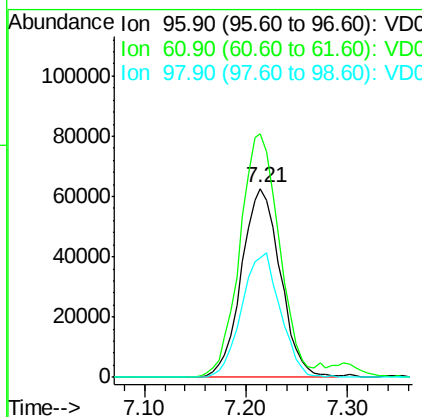
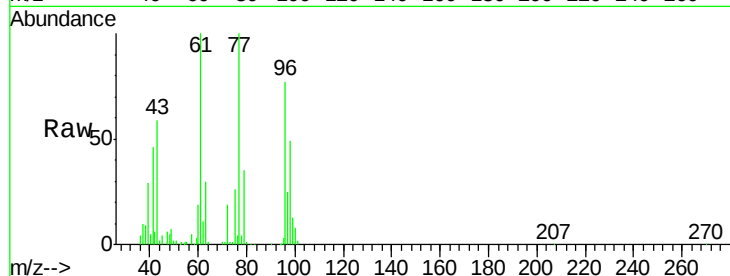
98 65.0 0.0 128.0

Manual Integrations

APPROVED

MMDadoda

11/16/2020 2:35:01 PM



#28

Bromochloromethane

Concen: 51.279 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

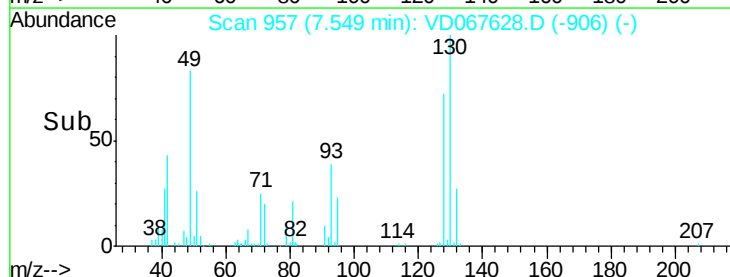
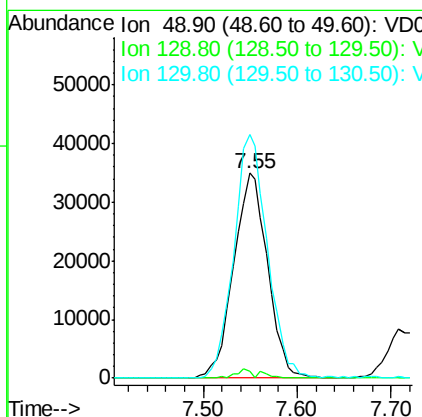
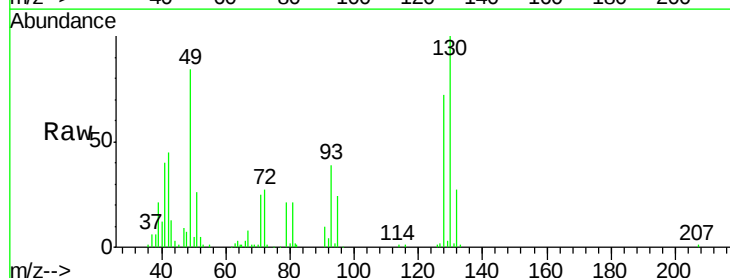
Tgt Ion: 49 Resp: 87181

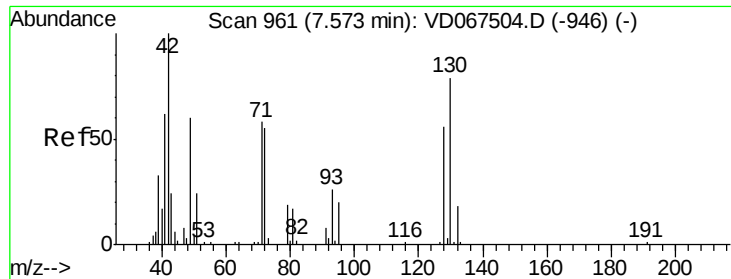
Ion Ratio Lower Upper

49 100

129 1.8 0.0 6.4

130 117.4 94.6 142.0





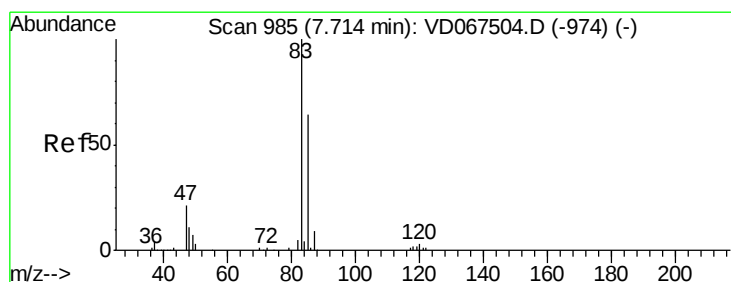
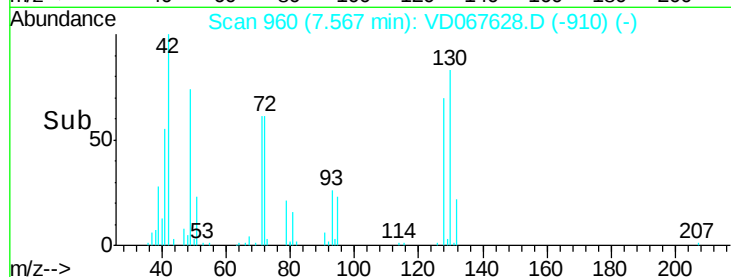
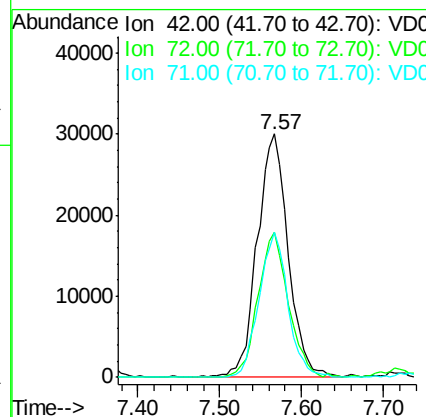
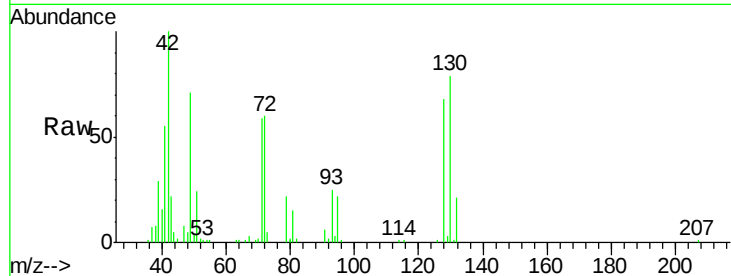
#29
Tetrahydrofuran
Concen: 280.920 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	78961
Ion	Ratio	Lower	Upper
42	100		
72	58.3	46.3	69.5
71	55.4	44.0	66.0

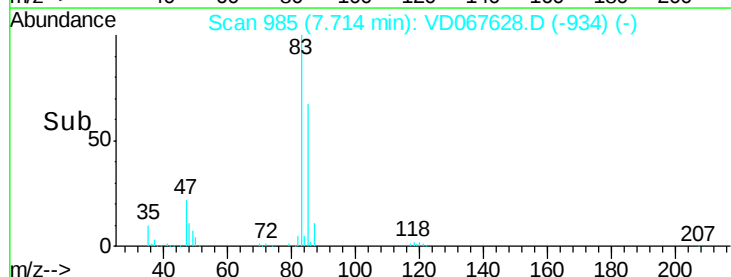
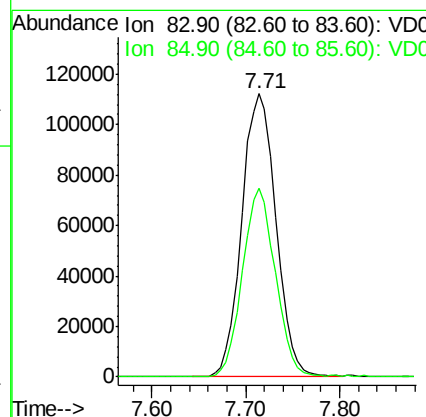
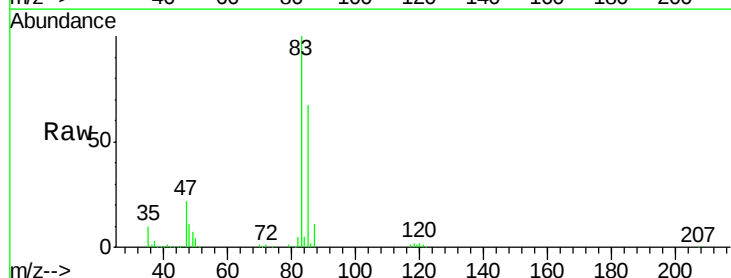
Manual Integrations
APPROVED

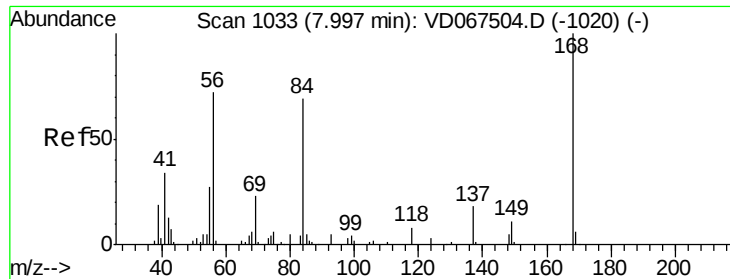
MMDadoda
11/16/2020 2:35:01 PM



#30
Chloroform
Concen: 49.654 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion:	83	Resp:	283132
Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.5	77.3





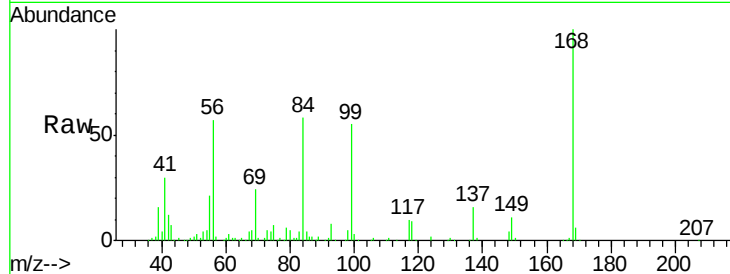
#31
Cyclohexane
Concen: 44.963 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.7	25.9	38.9#
84	99.6	76.2	114.4

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:35:01 PM

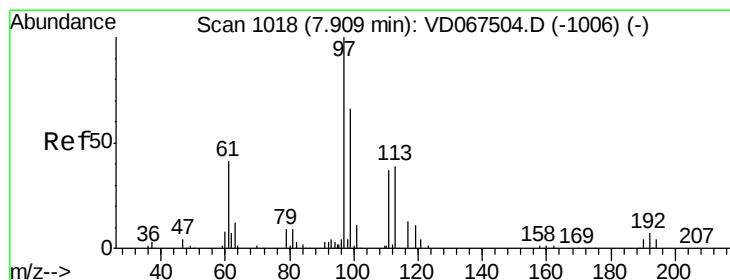
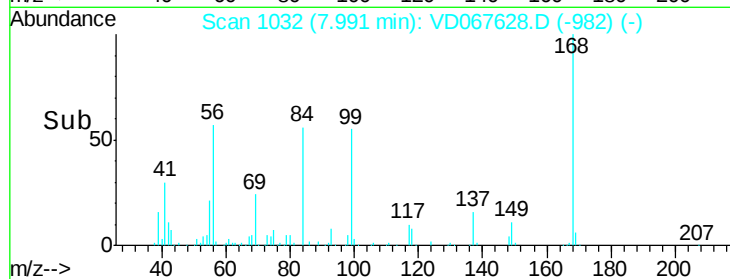
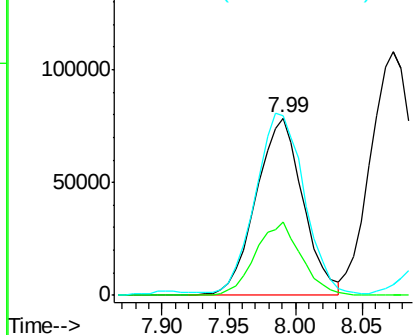


Abundance

Ion 56.00 (55.70 to 56.70): VDC

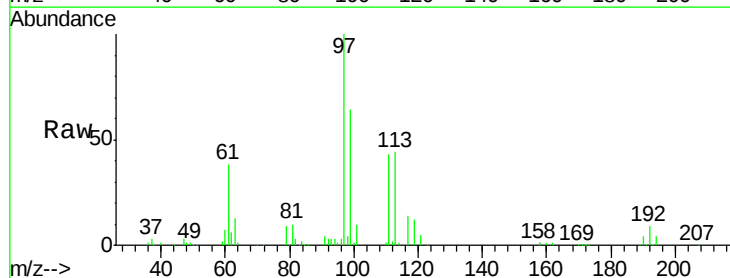
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32
1,1,1-Trichloroethane
Concen: 46.995 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	38.3	30.5	45.7

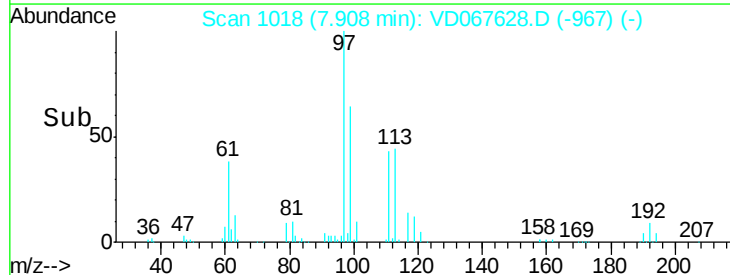
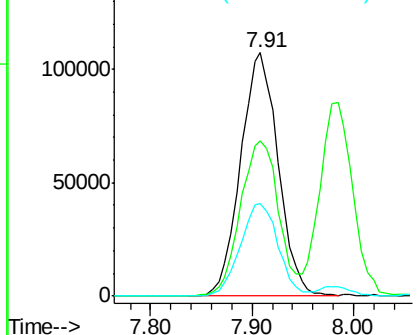


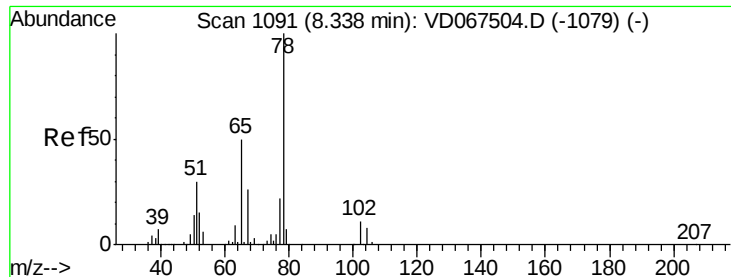
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 46.755 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 137210

Ion Ratio Lower Upper

65 100

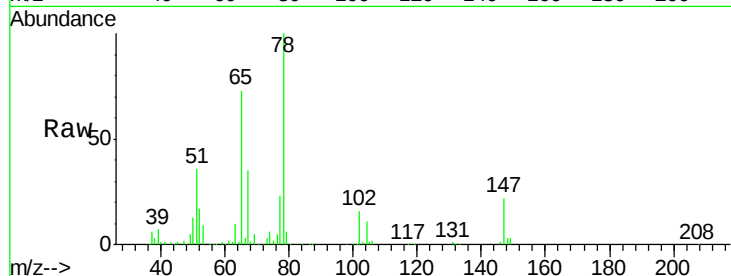
67 50.8 0.0 99.4

Manual Integrations

APPROVED

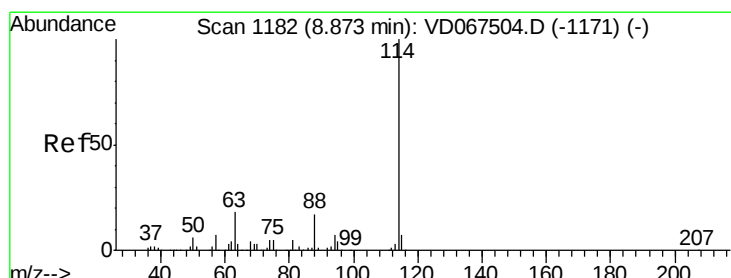
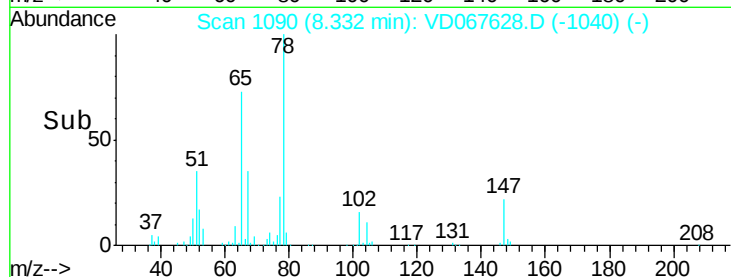
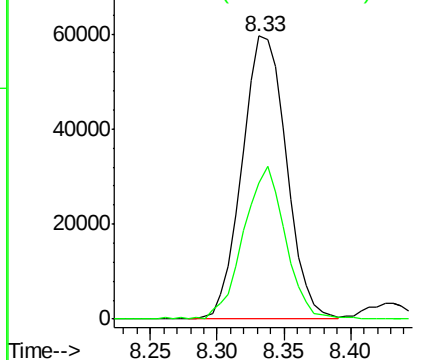
MMDadoda

11/16/2020 2:35:01 PM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

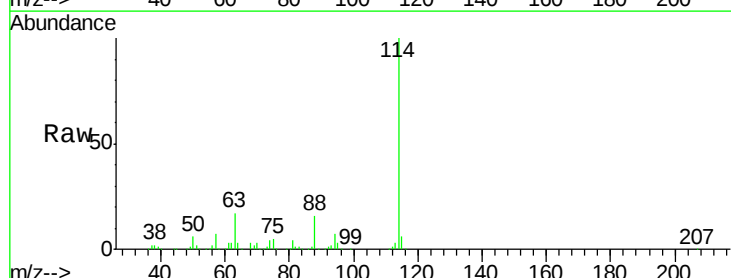
Tgt Ion: 114 Resp: 497808

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.0

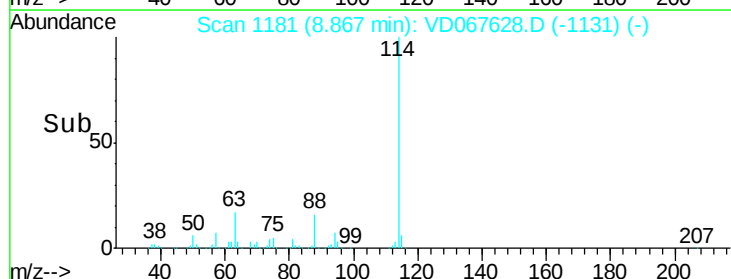
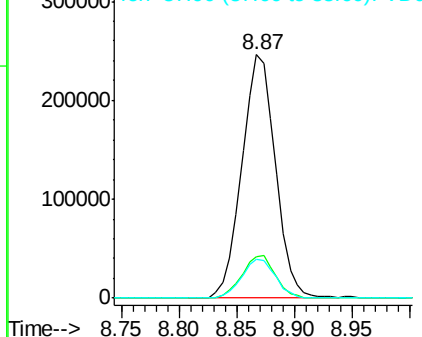
88 15.7 0.0 33.0

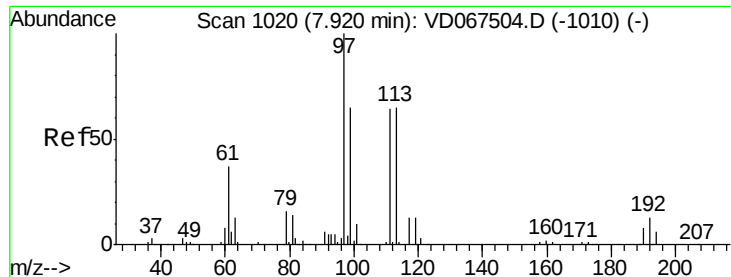


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





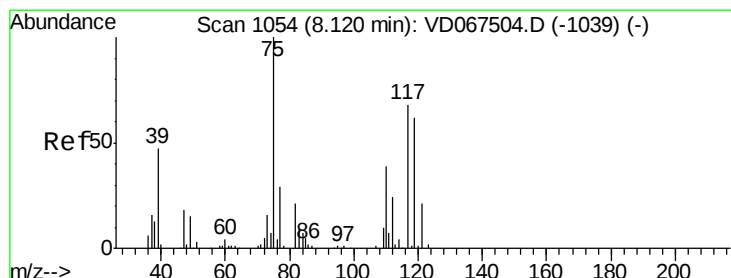
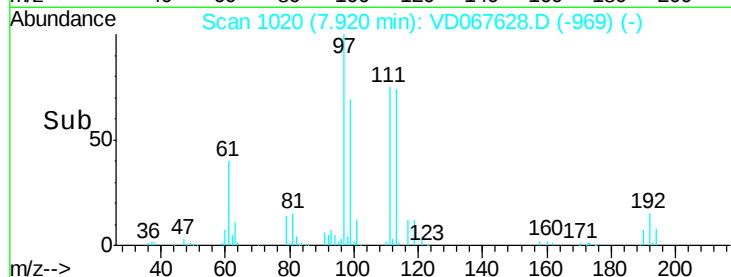
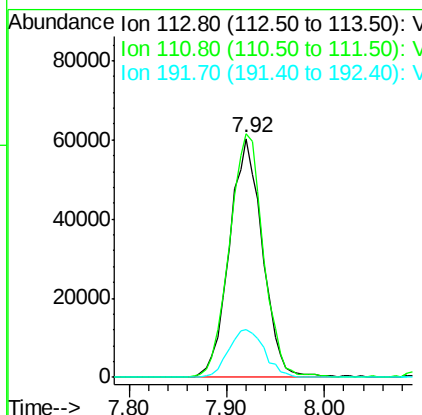
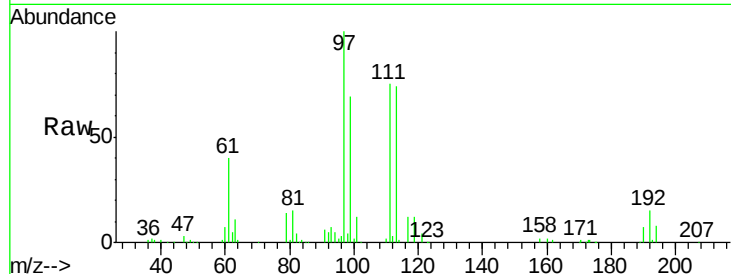
#35
 Dibromofluoromethane
 Concen: 47.240 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	80.0	120.0
192	21.4	16.3	24.5

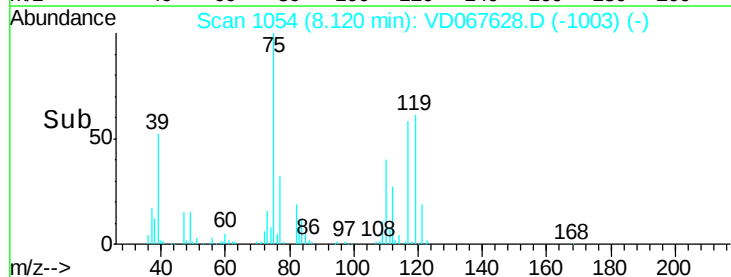
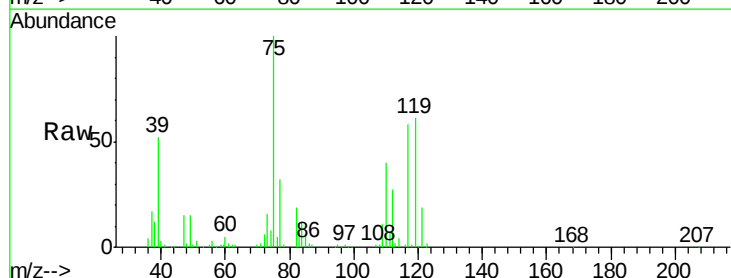
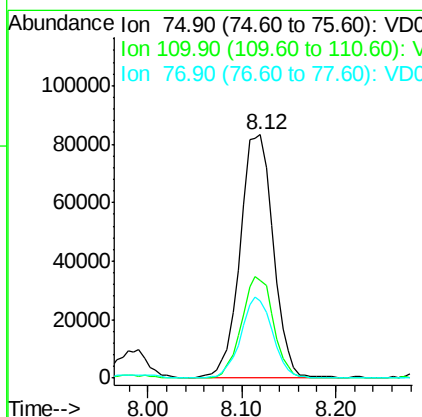
Manual Integrations
 APPROVED

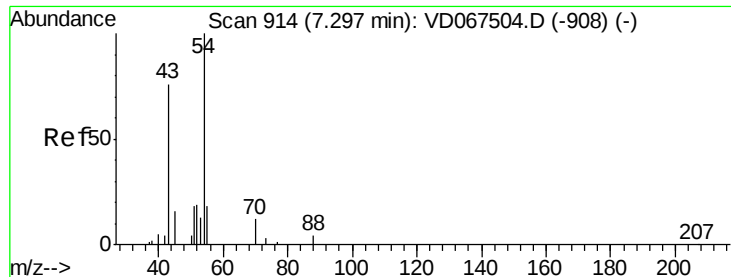
MMDadoda
 11/16/2020 2:35:01 PM



#36
 1,1-Dichloropropene
 Concen: 47.900 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.1	19.9	59.7
77	32.0	24.8	37.2





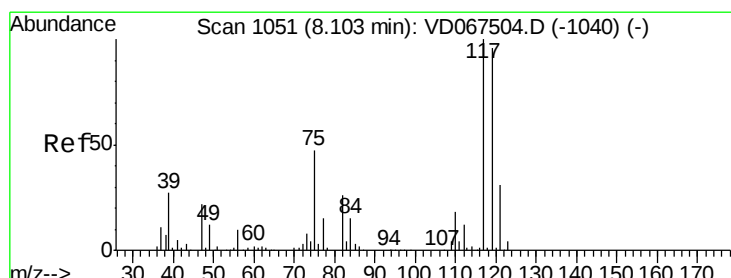
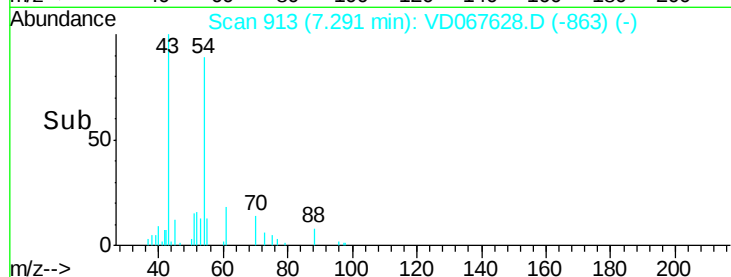
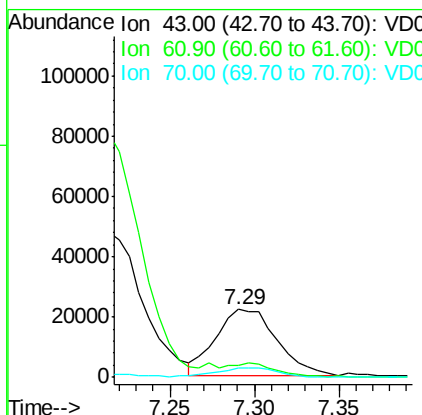
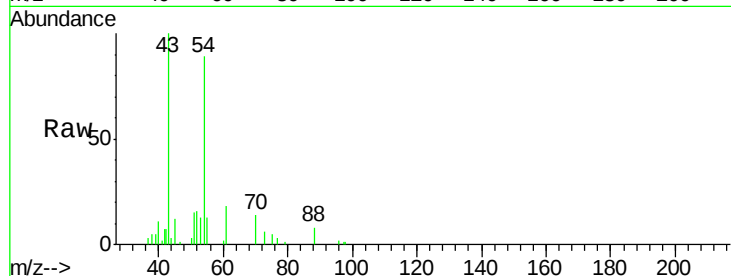
#37
Ethyl Acetate
Concen: 50.346 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	15.2	11.7	17.5

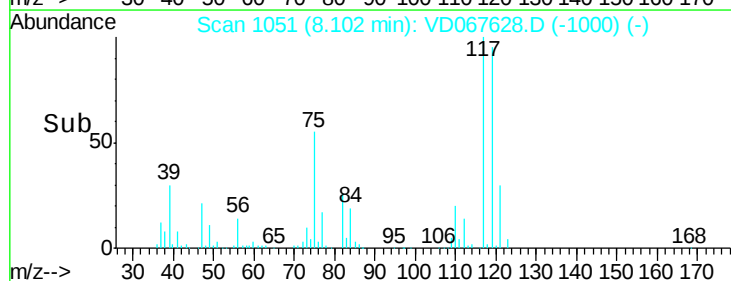
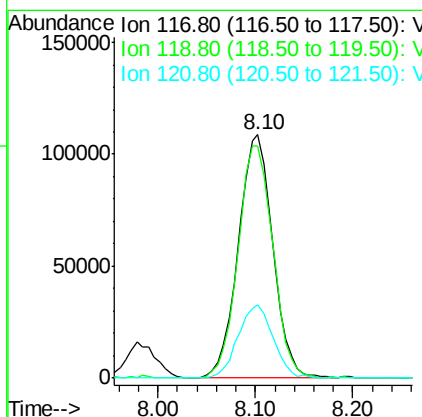
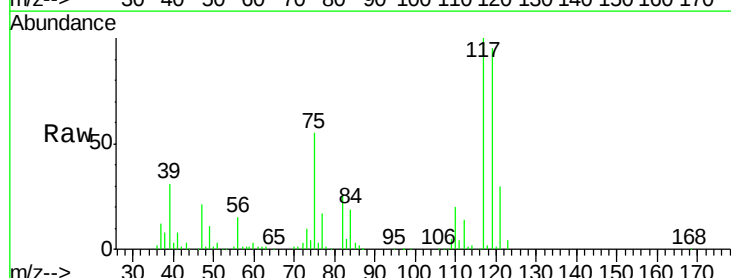
Manual Integrations
APPROVED

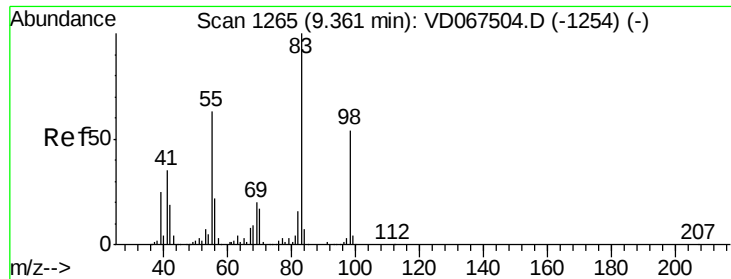
MMDadoda
11/16/2020 2:35:01 PM



#38
Carbon Tetrachloride
Concen: 48.333 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.9	115.3
121	30.0	24.5	36.7





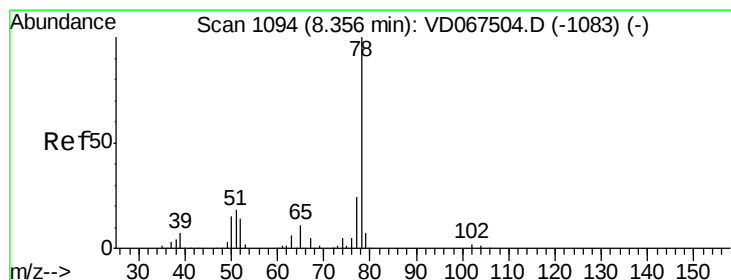
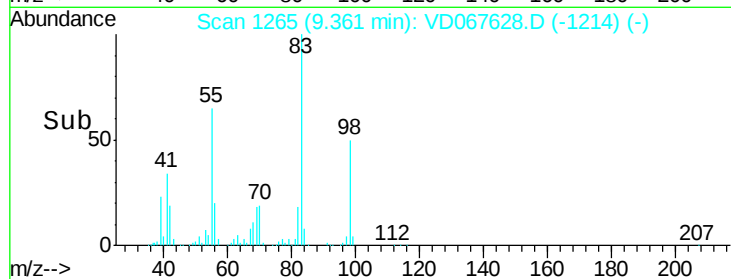
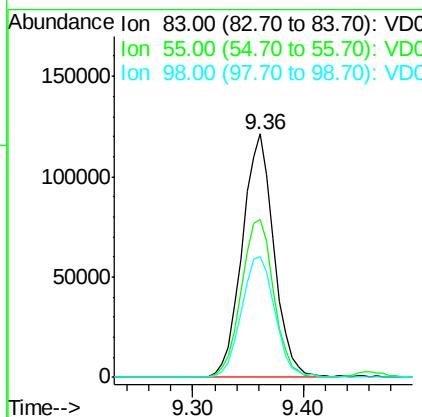
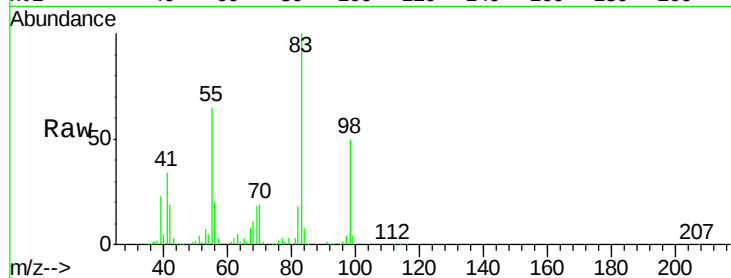
#39
Methvlcvclohexane
Concen: 48.871 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.1	50.5	75.7
98	49.7	43.4	65.0

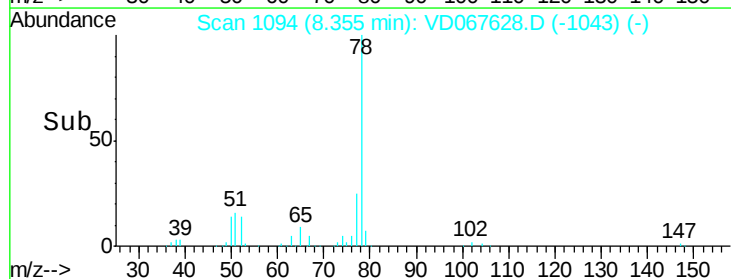
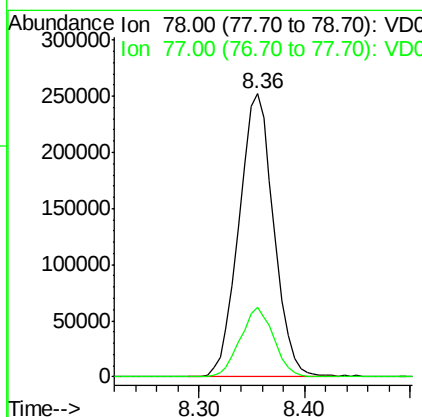
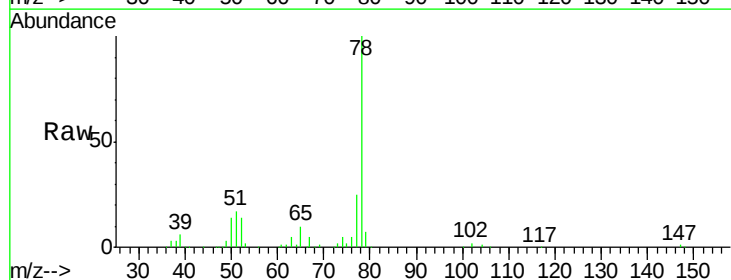
Manual Integrations
APPROVED

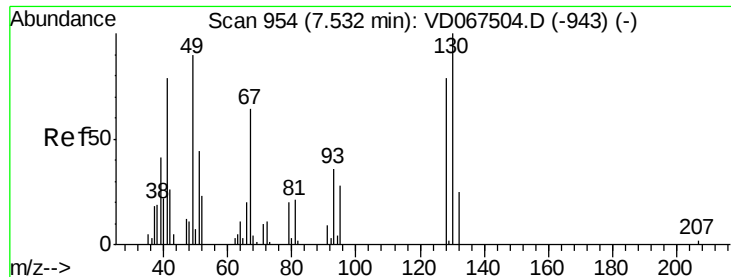
MMDadoda
11/16/2020 2:35:01 PM



#40
Benzene
Concen: 49.913 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.1	28.7





#41

Methacrylonitrile

Concen: 58.016 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 38364

Ion Ratio Lower Upper

41 100

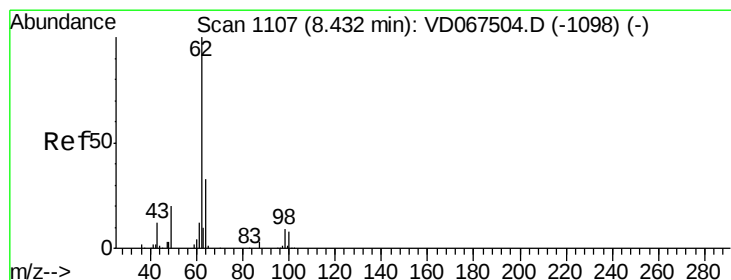
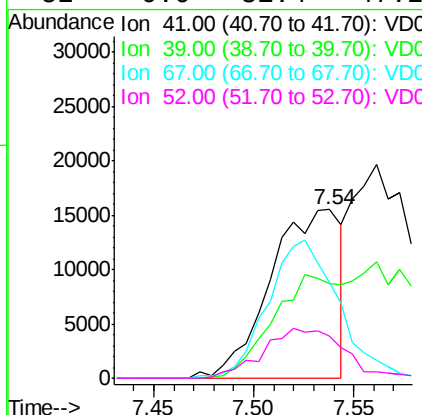
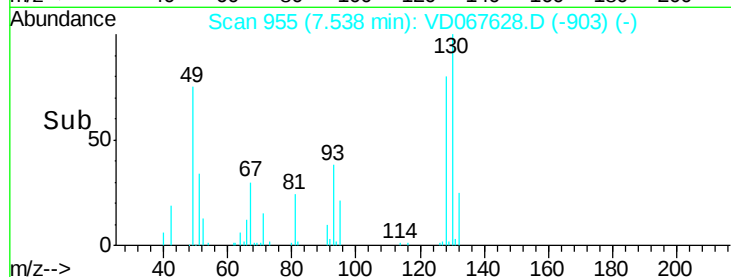
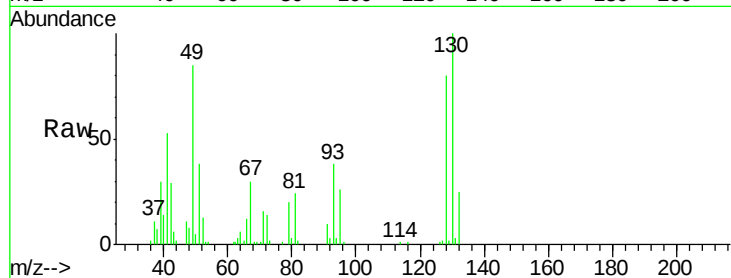
39 0.0 51.3 76.9#

67 0.0 78.9 118.3#

52 0.0 31.4 47.2#

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:35:01 PM



#42

1,2-Dichloroethane

Concen: 50.452 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD067628.D

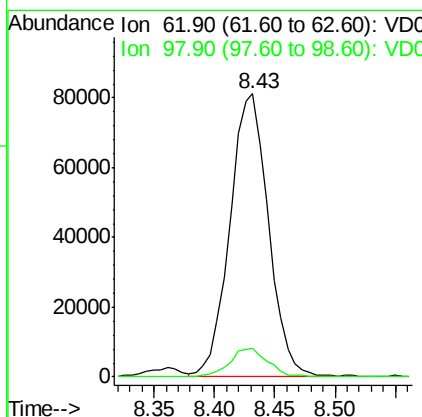
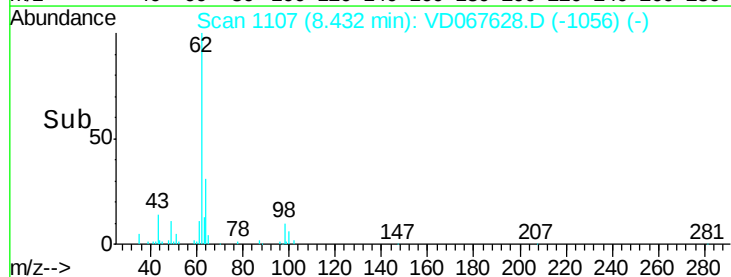
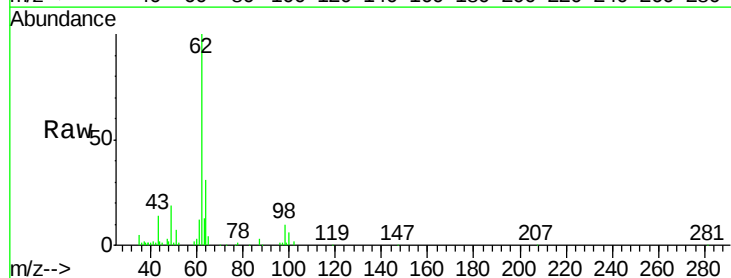
Acq: 12 Nov 2020 17:30

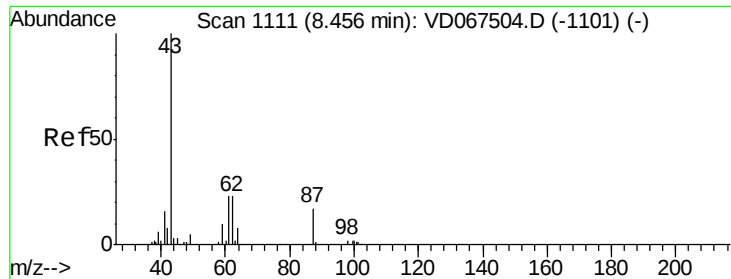
Tgt Ion: 62 Resp: 179924

Ion Ratio Lower Upper

62 100

98 9.9 0.0 19.8





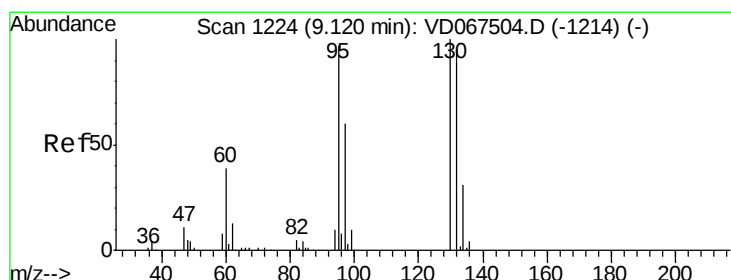
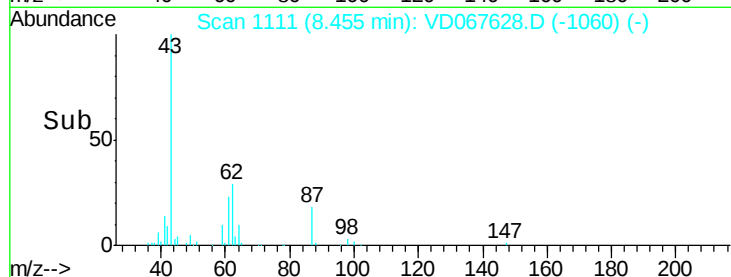
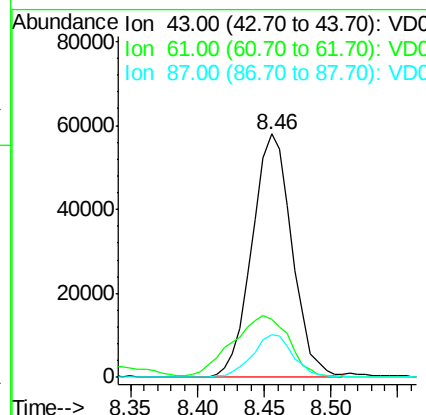
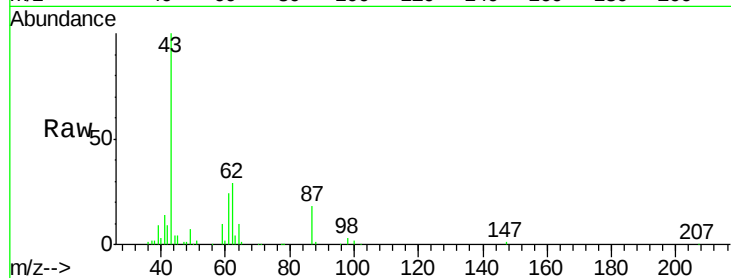
#43
Isopropyl Acetate
Concen: 54.990 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.4	30.5	45.7
87	17.6	14.7	22.1

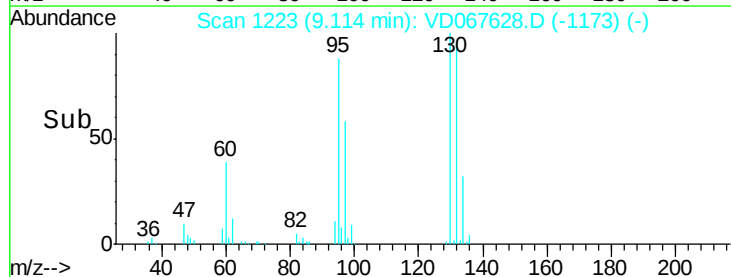
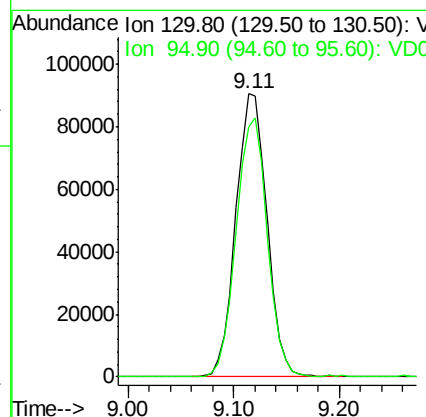
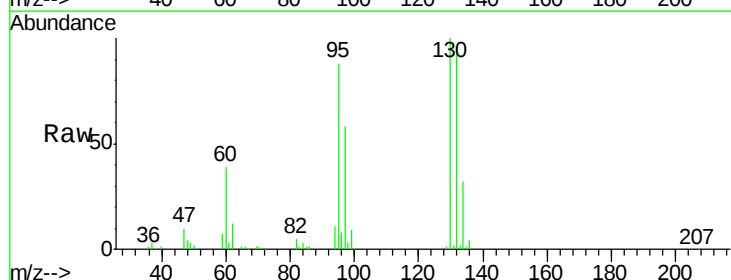
Manual Integrations
APPROVED

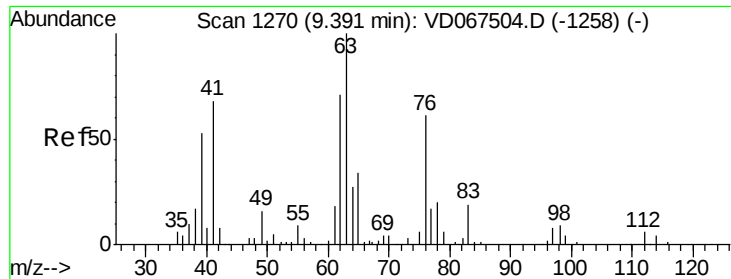
MMDadoda
11/16/2020 2:35:01 PM



#44
Trichloroethene
Concen: 48.753 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.4	0.0	194.4





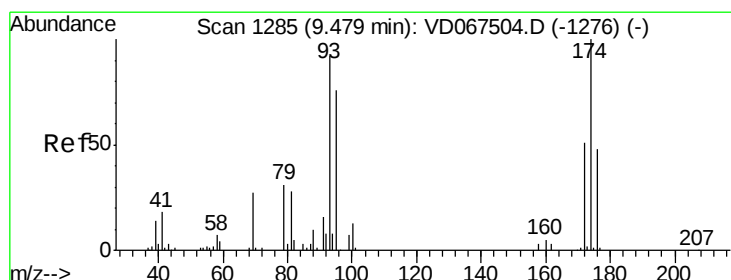
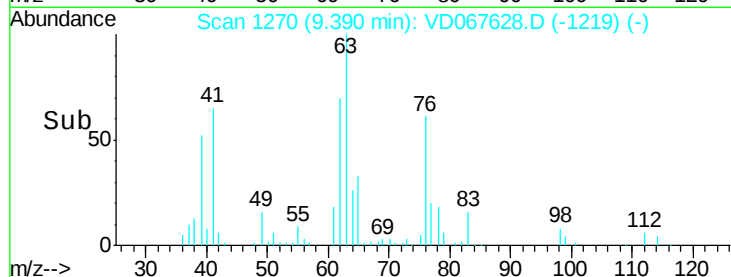
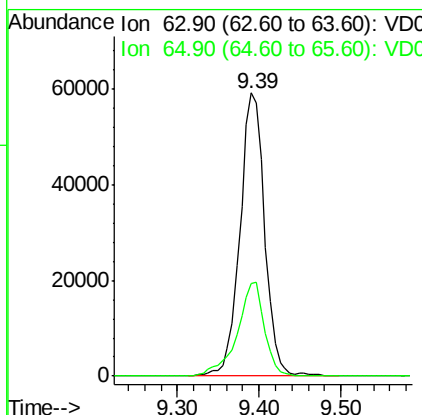
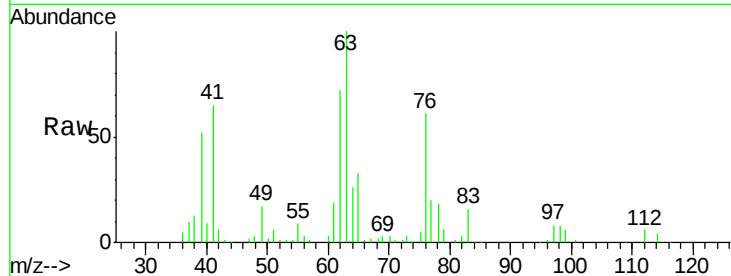
#45
 1,2-Dichloropropane
 Concen: 49.922 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 124583
 Ion Ratio Lower Upper
 63 100
 65 32.7 26.9 40.3

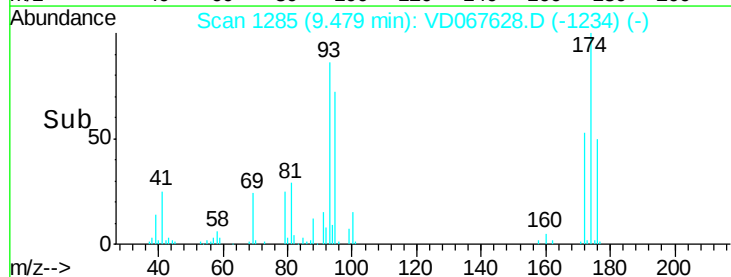
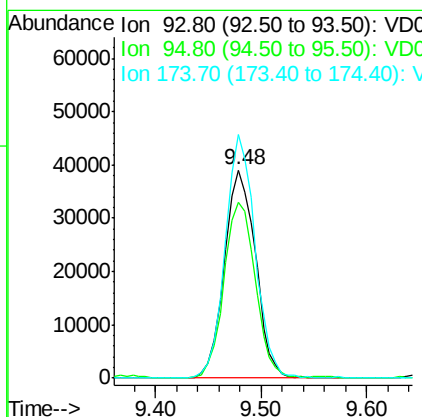
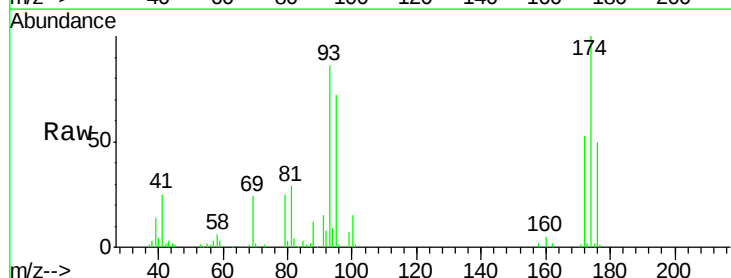
Manual Integrations
 APPROVED

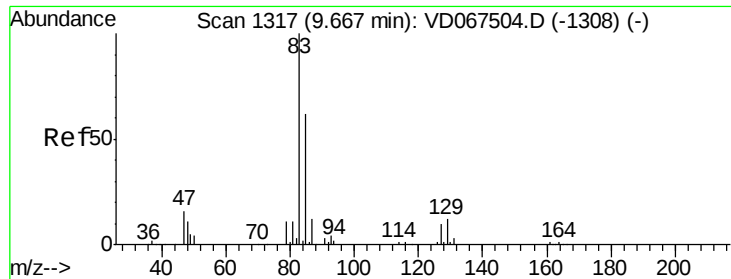
MMDadoda
 11/16/2020 2:35:01 PM



#46
 Dibromomethane
 Concen: 50.314 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Tgt Ion: 93 Resp: 79836
 Ion Ratio Lower Upper
 93 100
 95 85.2 66.4 99.6
 174 111.6 88.2 132.4





#47

Bromodichloromethane

Concen: 50.715 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

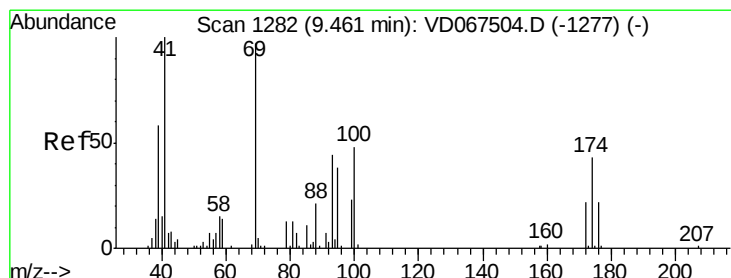
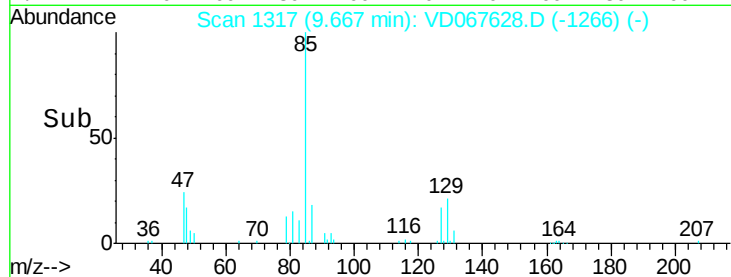
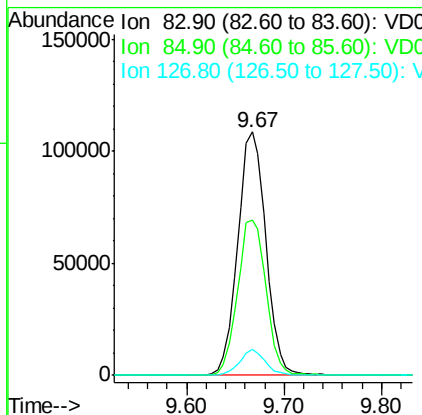
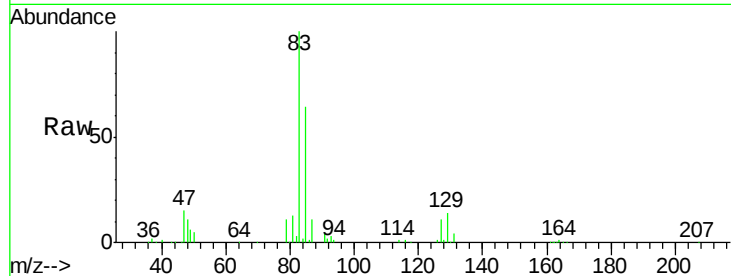
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	218723
Ion Ratio	Lower	Upper	
83	100		
85	63.6	49.4	74.2
127	10.8	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:35:01 PM



#48

Methyl methacrylate

Concen: 52.701 ug/l

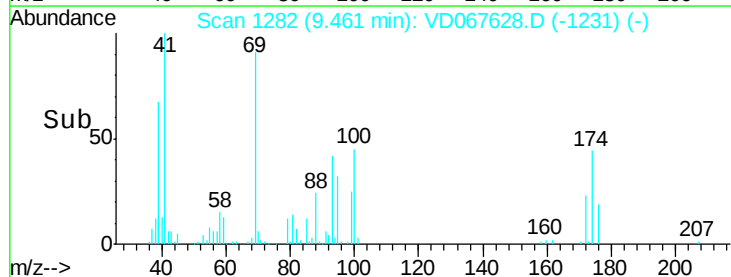
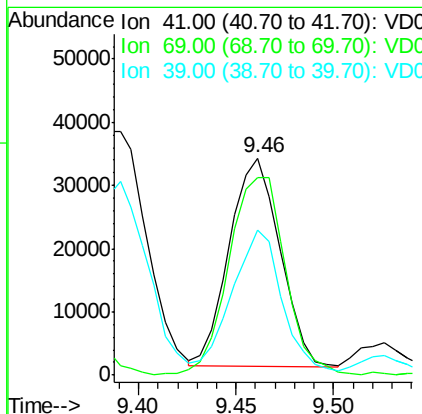
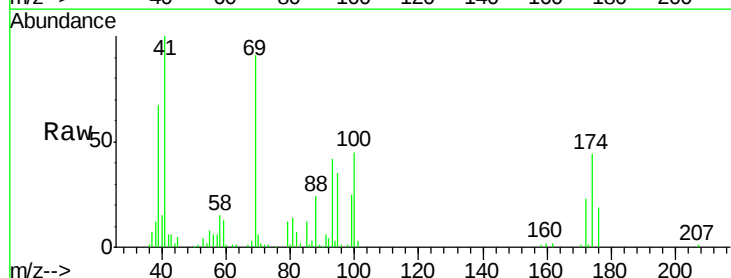
RT: 9.46 min Scan# 1282

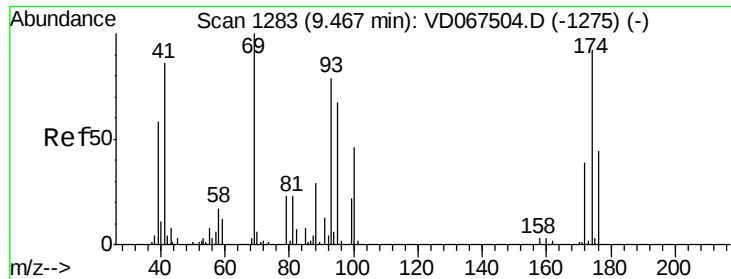
Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Tgt Ion:	41	Resp:	59533
Ion Ratio	Lower	Upper	
41	100		
69	105.6	80.6	121.0
39	65.6	50.2	75.4





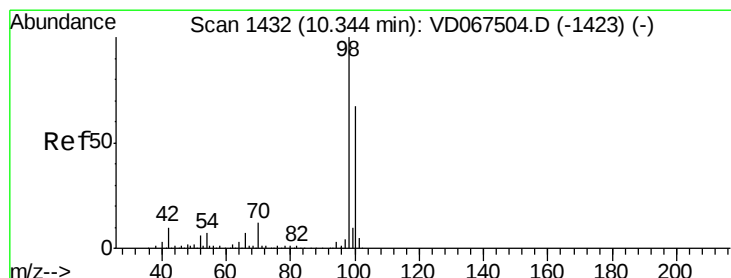
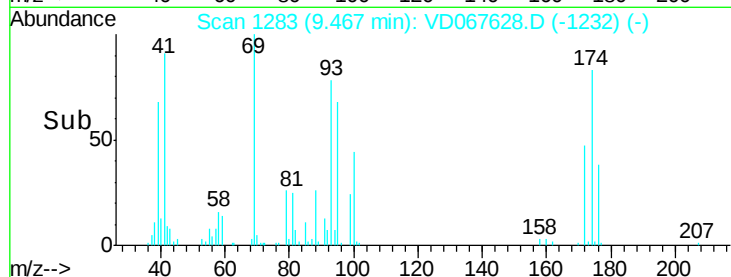
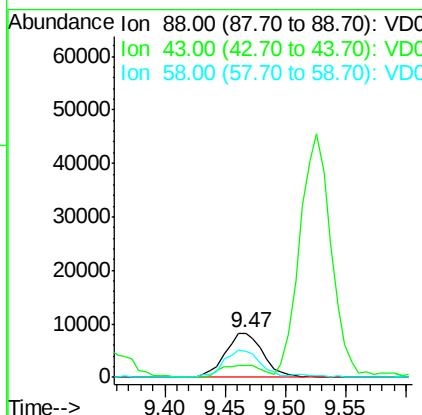
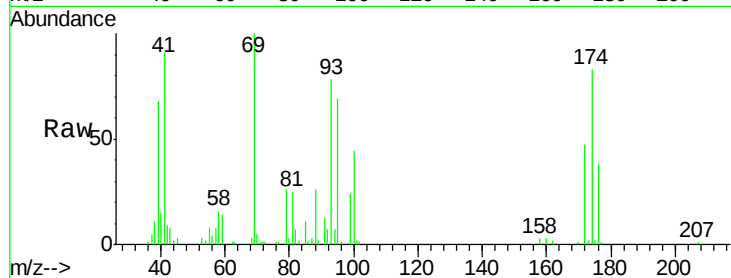
#49
1,4-Dioxane
Concen: 1121.231 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	23.6	35.4
58	59.3	44.7	67.1

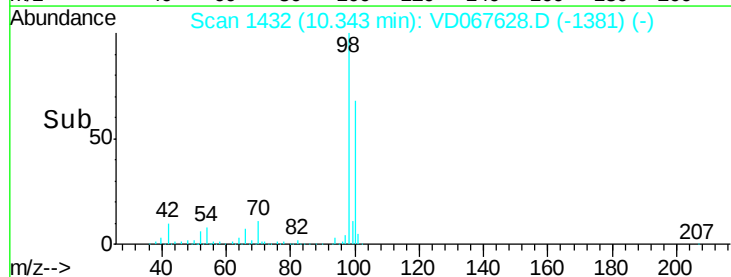
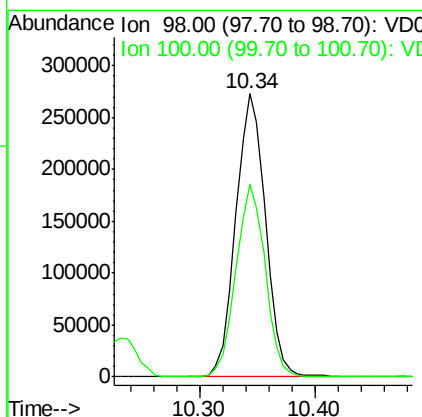
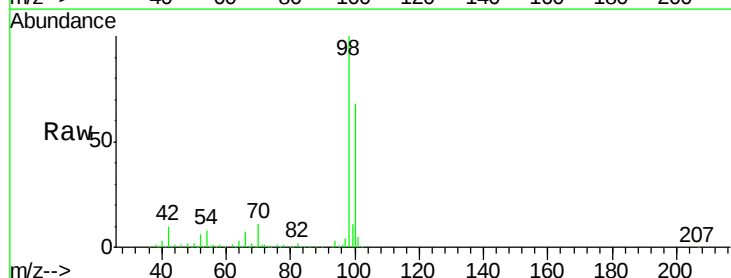
Manual Integrations
APPROVED

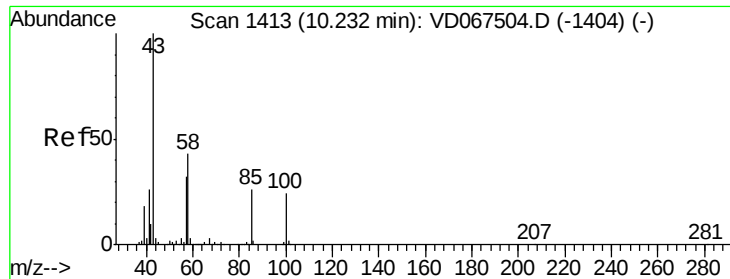
MMDadoda
11/16/2020 2:35:01 PM



#50
Toluene-d8
Concen: 46.182 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 283.893 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 297053

Ion Ratio Lower Upper

43 100

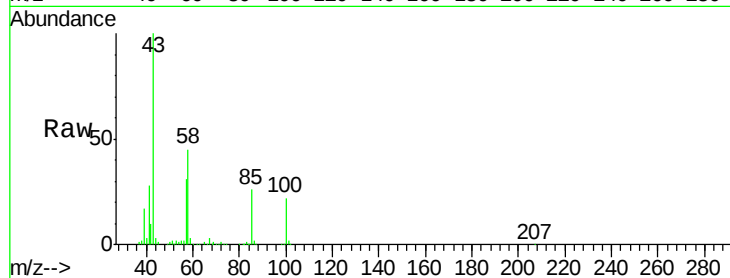
58 44.0 35.6 53.4

Manual Integrations

APPROVED

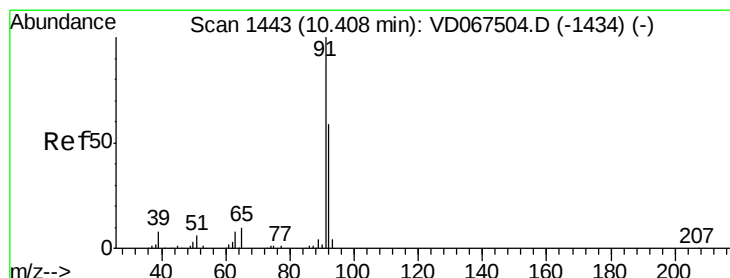
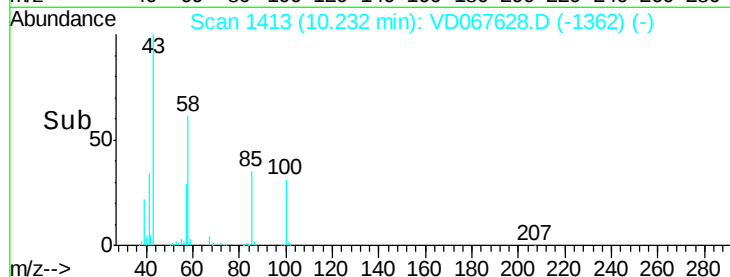
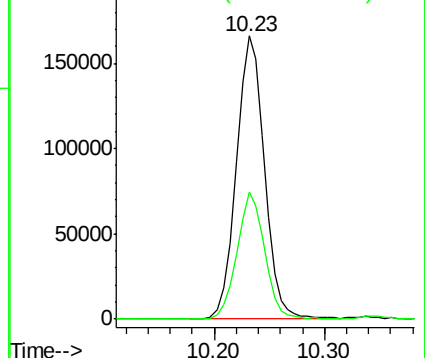
MMDadoda

11/16/2020 2:35:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 54.316 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067628.D

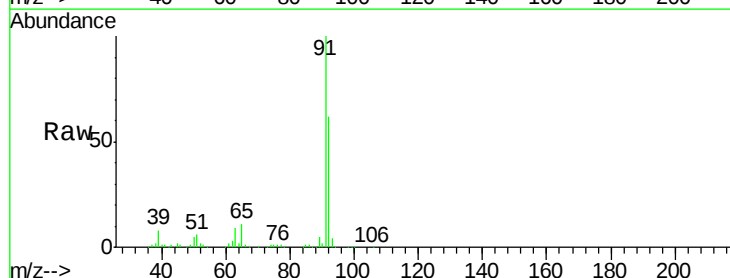
Acq: 12 Nov 2020 17:30

Tgt Ion: 92 Resp: 419925

Ion Ratio Lower Upper

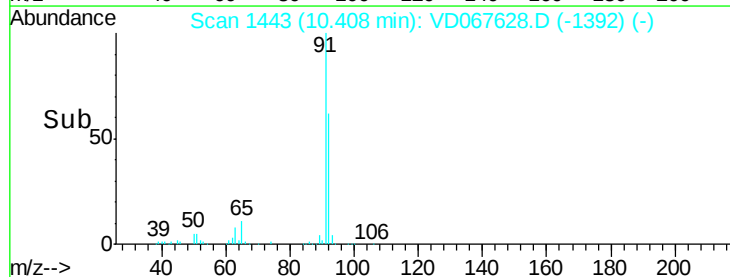
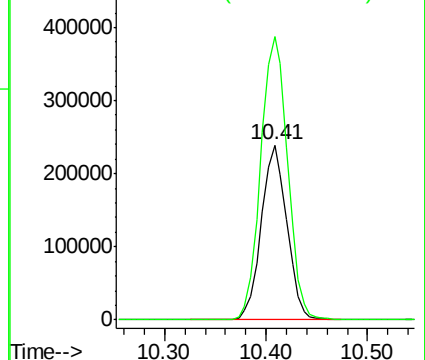
92 100

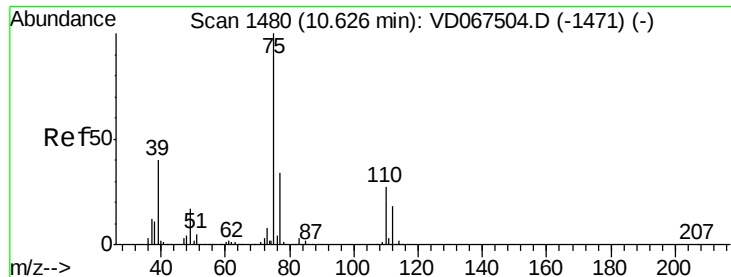
91 170.3 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





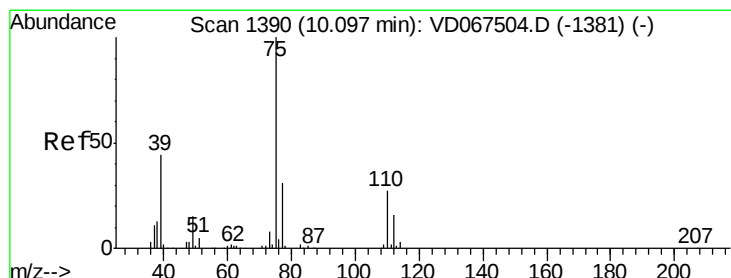
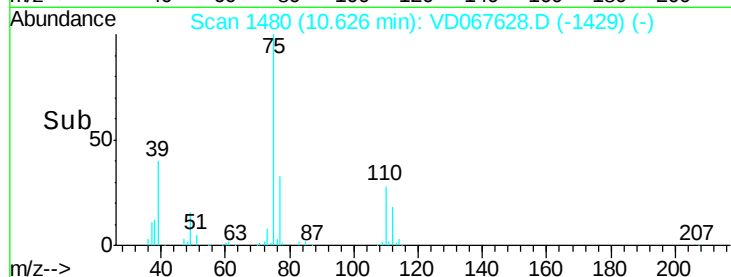
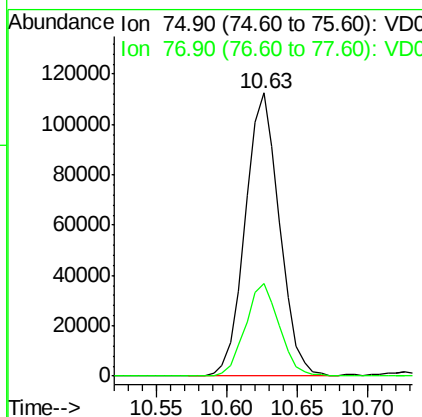
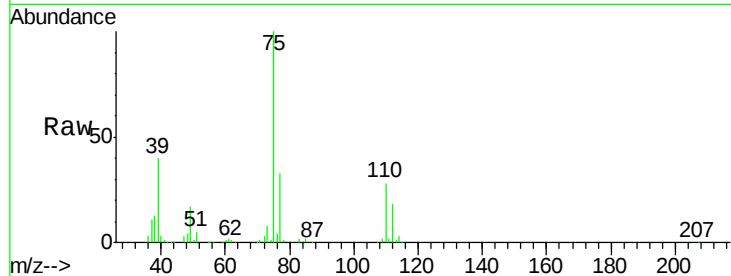
#53
t-1,3-Dichloropropene
Concen: 51.879 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	27.0	40.6

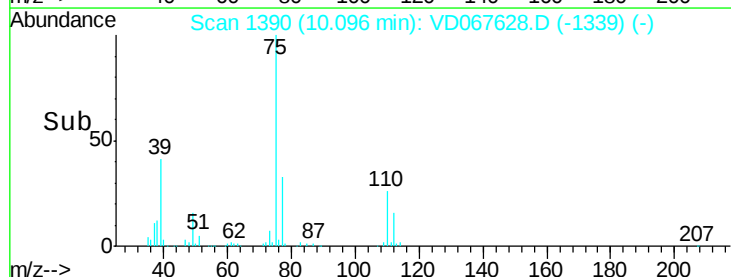
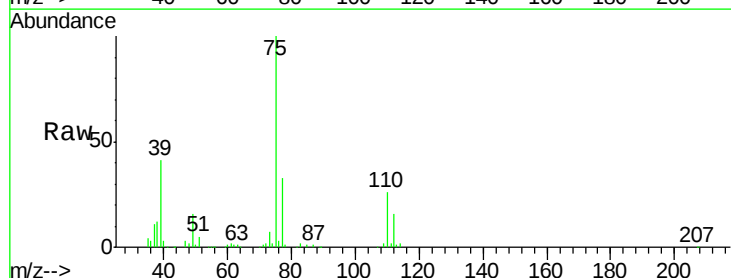
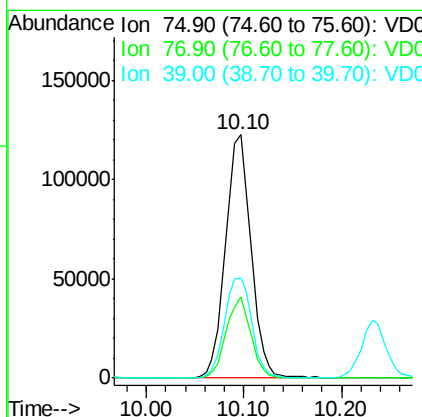
Manual Integrations
APPROVED

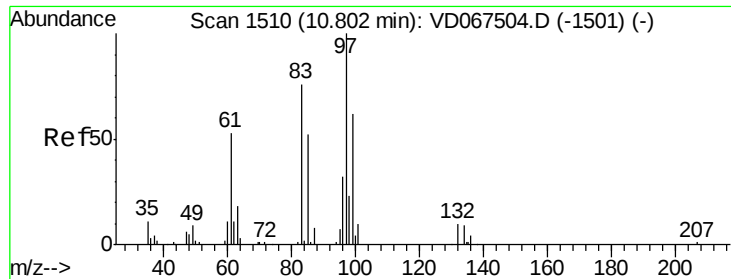
MMDadoda
11/16/2020 2:35:01 PM



#54
cis-1,3-Dichloropropene
Concen: 50.852 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.4	24.4	36.6
39	41.1	35.6	53.4





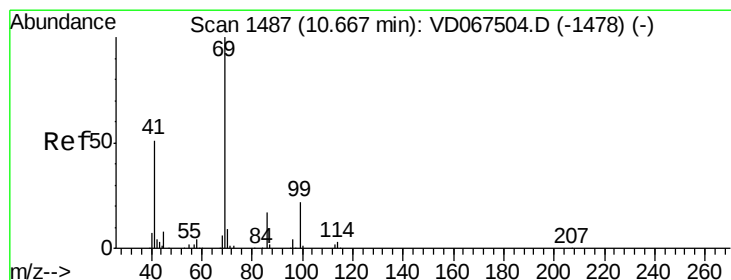
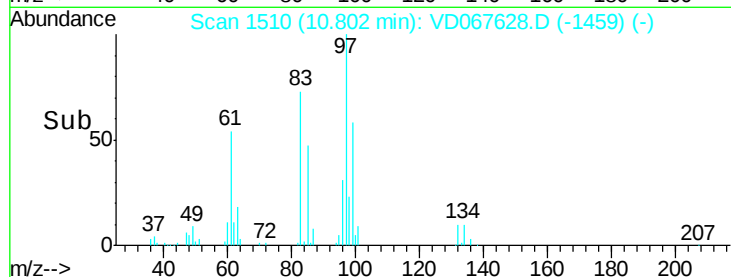
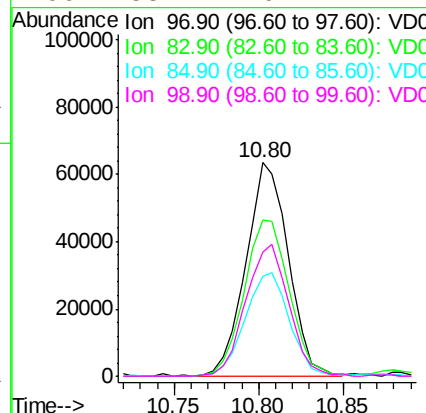
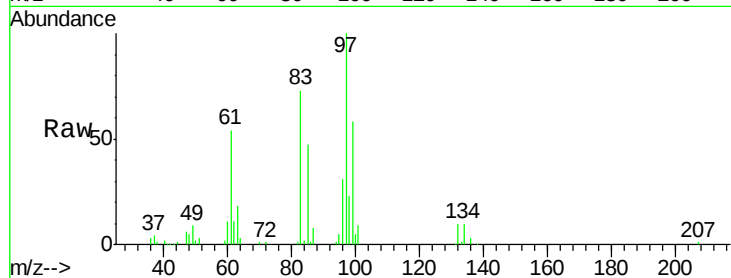
#55
 1,1,2-Trichloroethane
 Concen: 52.888 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	111037
Ion	Ratio	Lower	Upper
97	100		
83	73.2	61.0	91.6
85	47.1	41.5	62.3
99	58.2	49.4	74.2

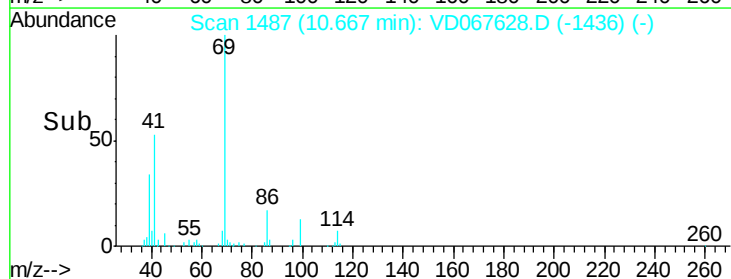
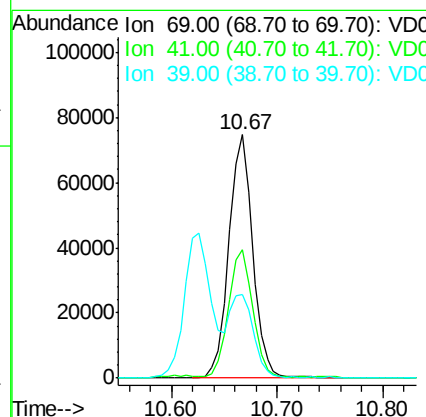
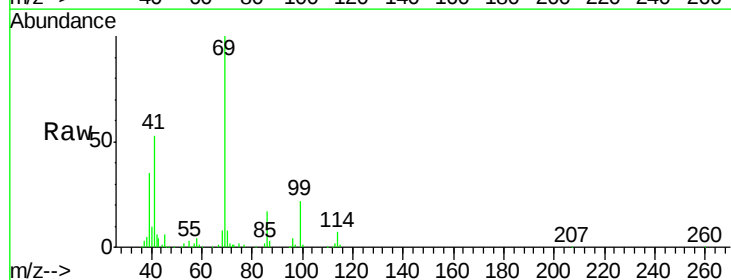
Manual Integrations
 APPROVED

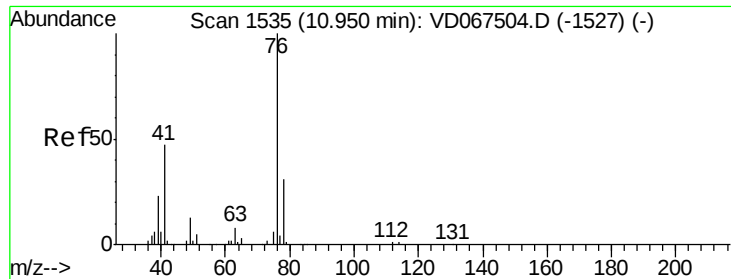
MMDadoda
 11/16/2020 2:35:01 PM



#56
 Ethyl methacrylate
 Concen: 54.019 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Tgt Ion	69	Resp	117116
Ion	Ratio	Lower	Upper
69	100		
41	53.3	45.4	68.0
39	34.3	27.4	41.0





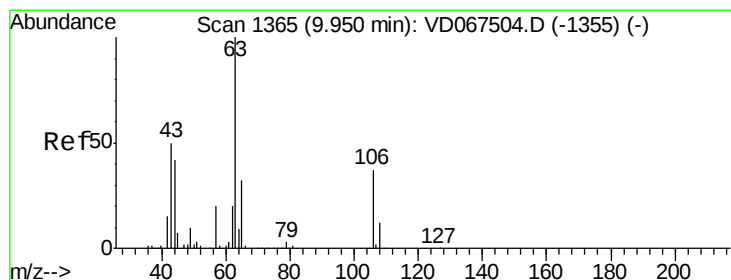
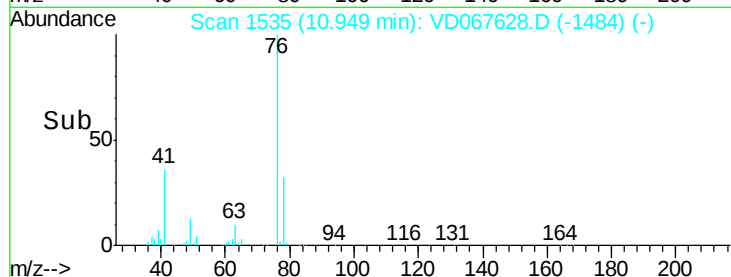
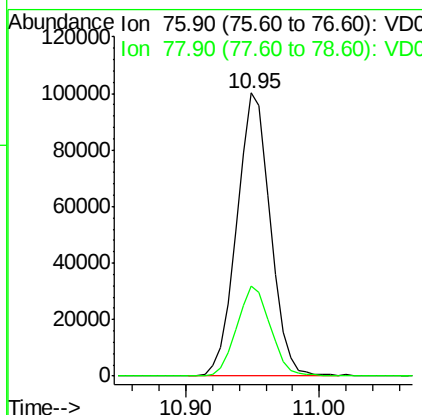
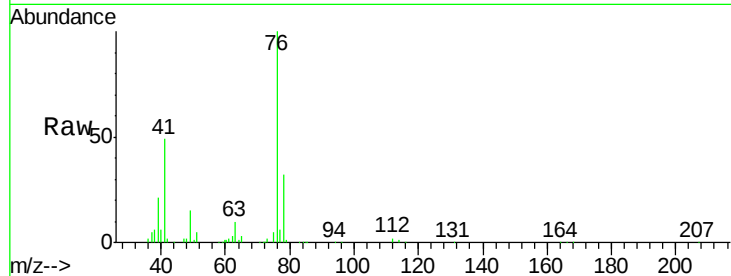
#57
 1,3-Dichloropropane
 Concen: 51.506 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 174010
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1

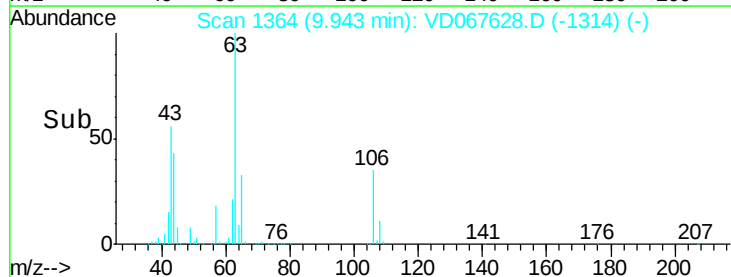
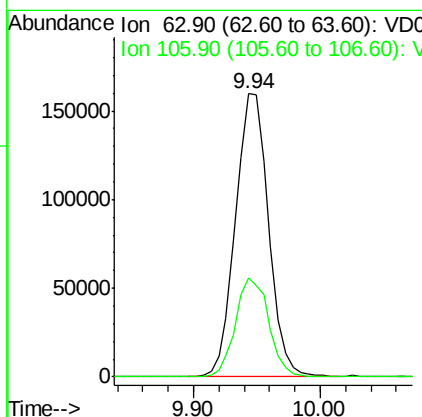
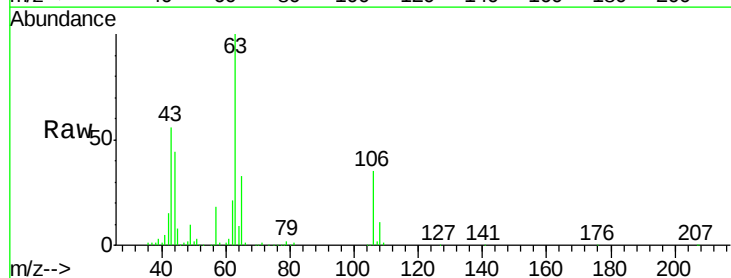
Manual Integrations
 APPROVED

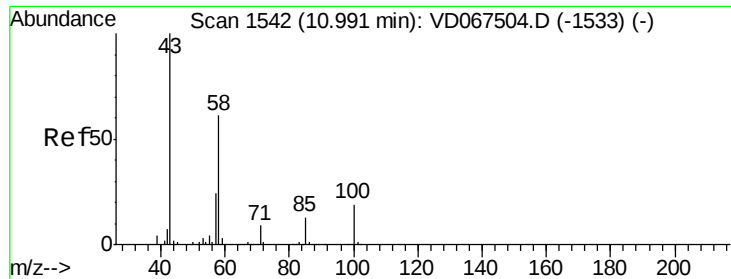
MMDadoda
 11/16/2020 2:35:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 285.683 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Tgt Ion: 63 Resp: 288832
 Ion Ratio Lower Upper
 63 100
 106 35.3 29.2 43.8





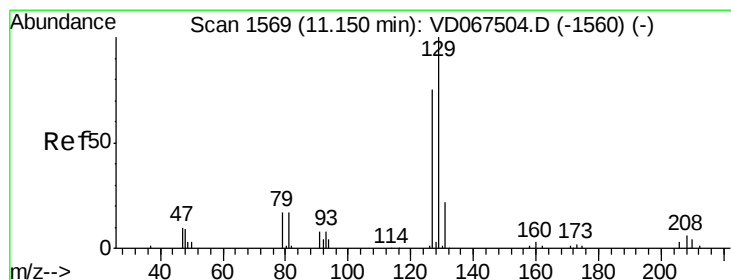
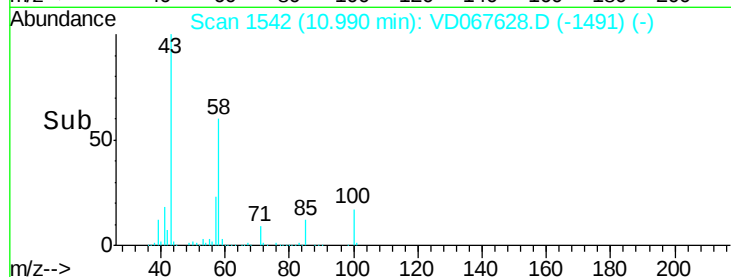
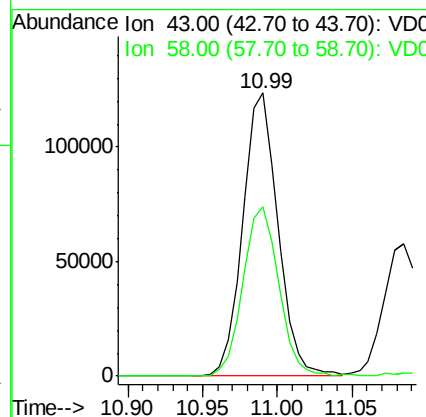
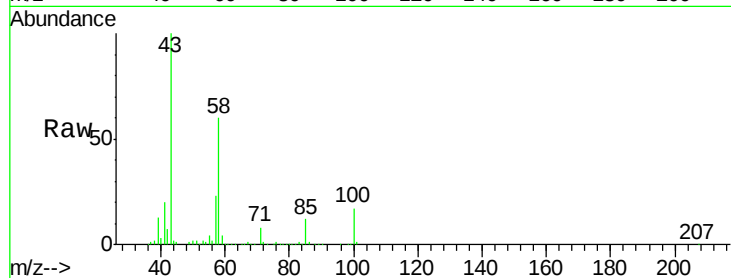
#59
2-Hexanone
Concen: 276.034 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.2	30.3	90.9

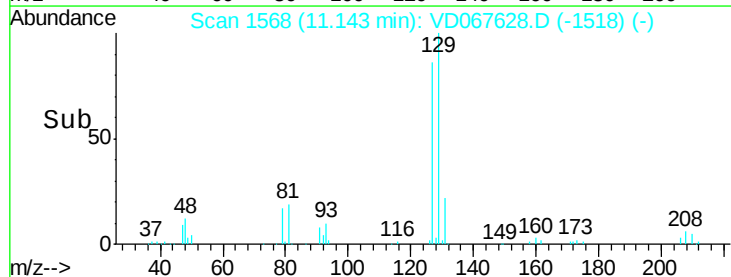
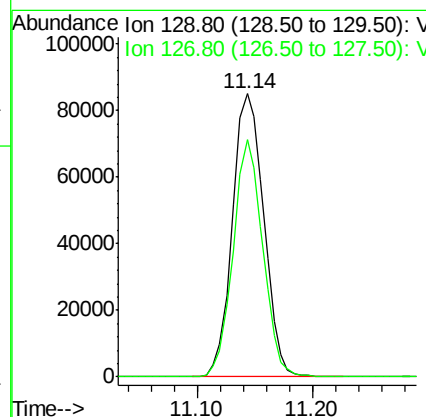
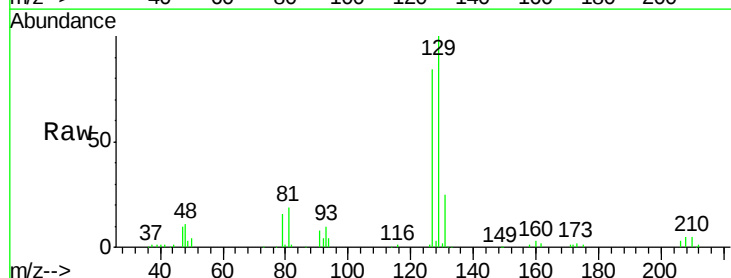
Manual Integrations
APPROVED

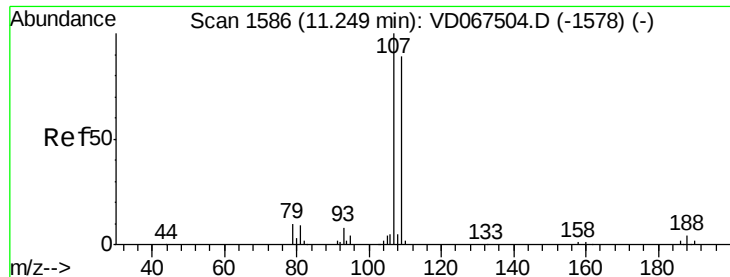
MMDadoda
11/16/2020 2:35:01 PM



#60
Dibromochloromethane
Concen: 51.682 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.0	114.1





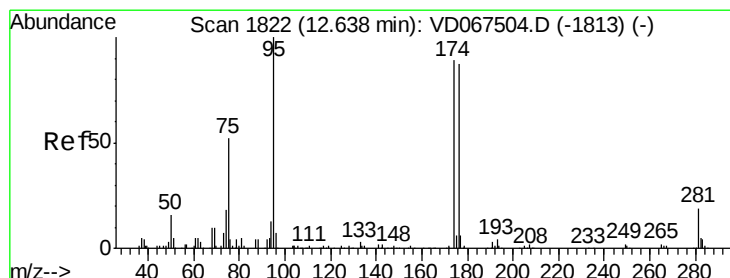
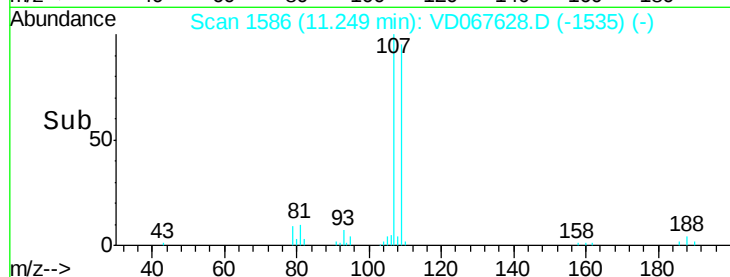
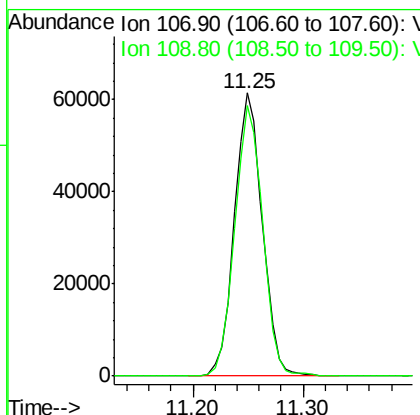
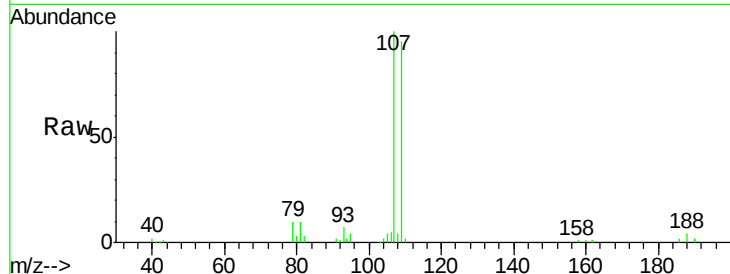
#61
 1,2-Dibromoethane
 Concen: 51.841 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	74.6	111.8

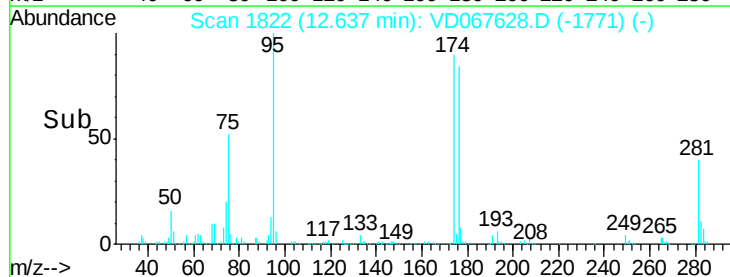
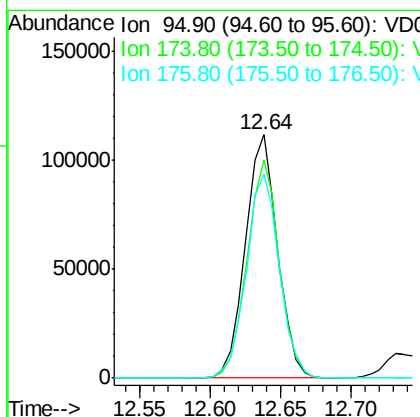
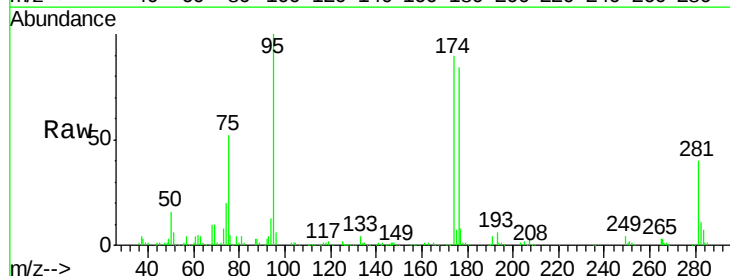
Manual Integrations
 APPROVED

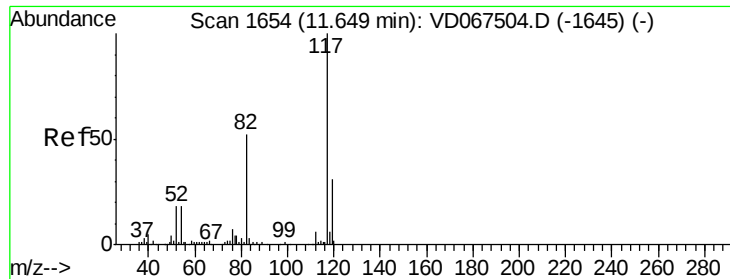
MMDadoda
 11/16/2020 2:35:01 PM



#62
 4-Bromofluorobenzene
 Concen: 48.986 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	177.8
176	85.8	0.0	172.0





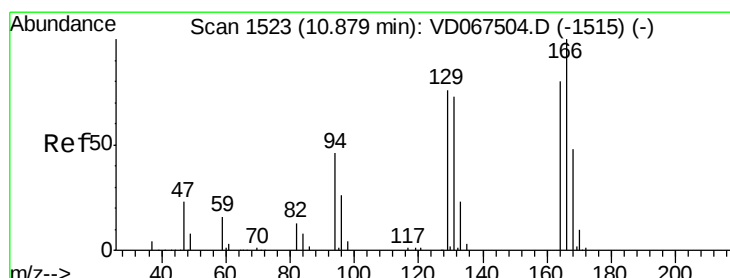
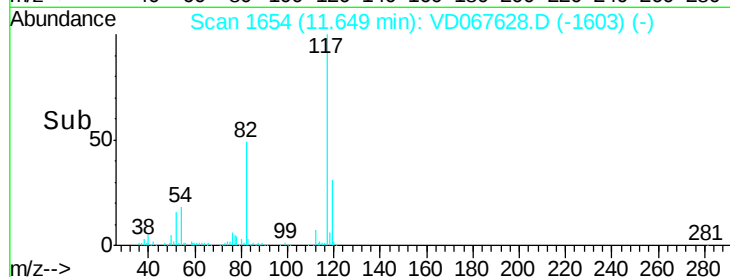
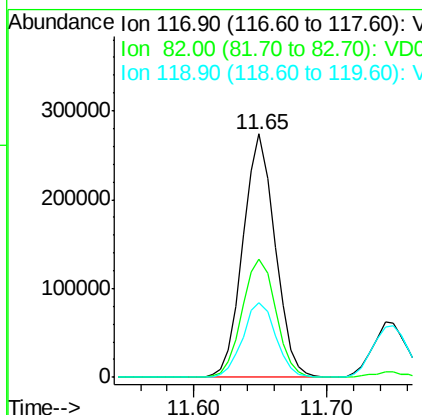
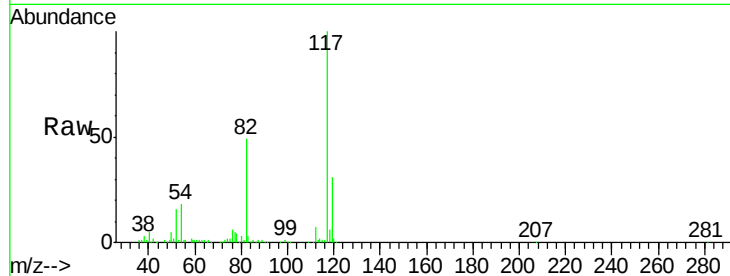
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.7	41.6	62.4
119	30.7	25.1	37.7

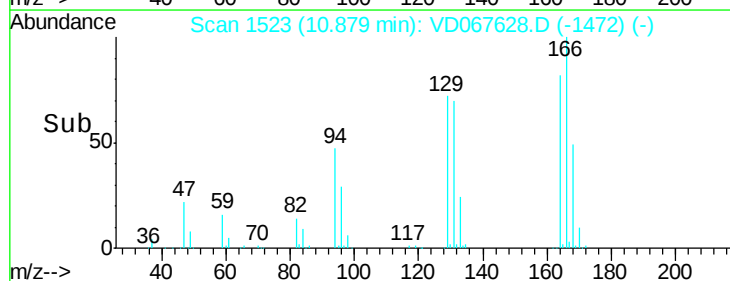
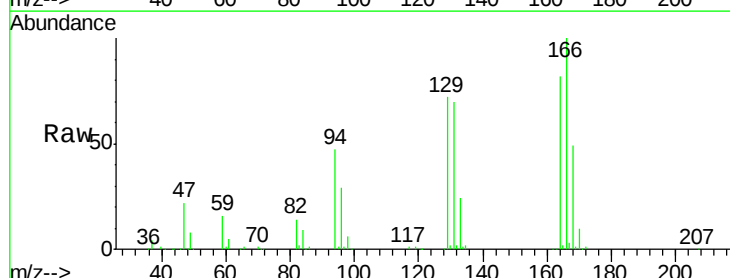
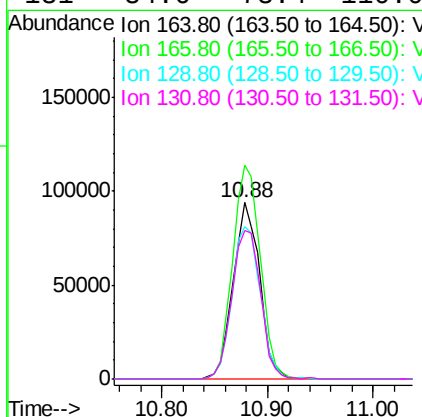
Manual Integrations
APPROVED

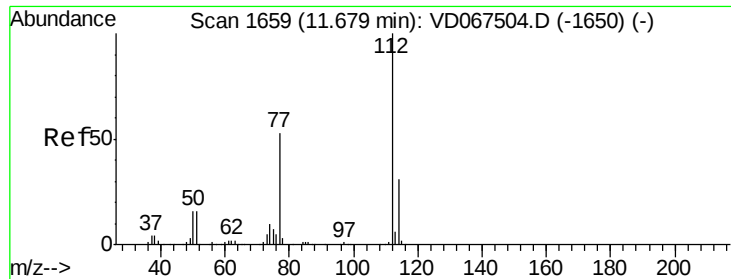
MMDadoda
11/16/2020 2:35:01 PM



#64
Tetrachloroethene
Concen: 48.269 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.3	99.9	149.9
129	86.8	75.5	113.3
131	84.6	73.4	110.0





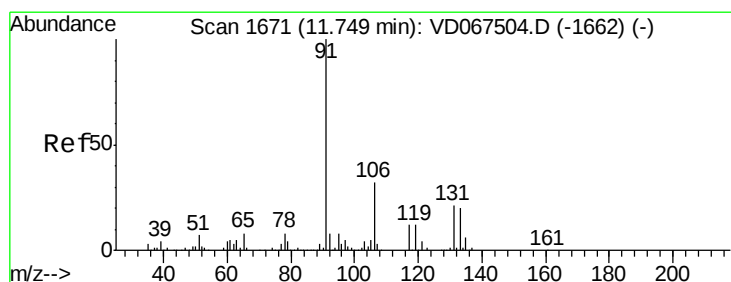
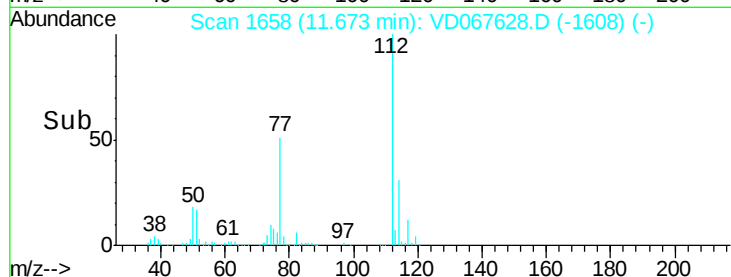
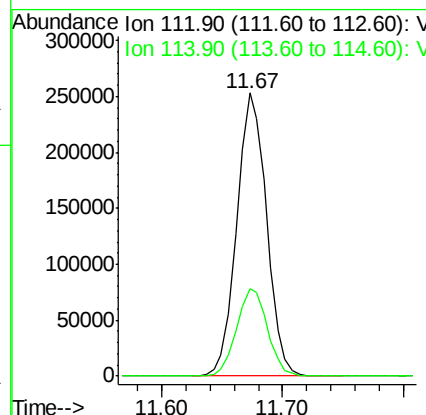
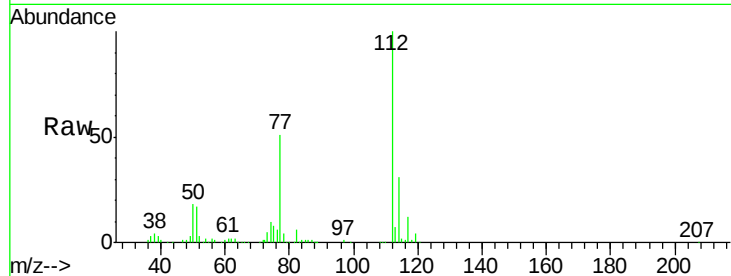
#65
Chlorobenzene
Concen: 49.594 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	24.9	37.3

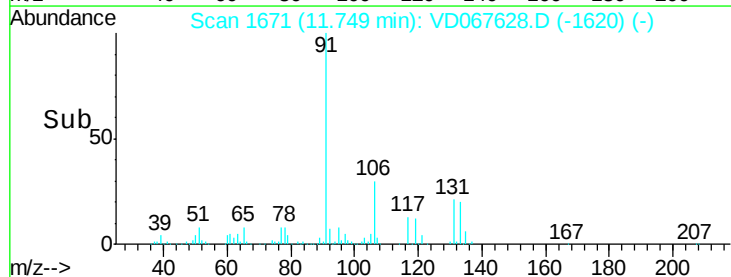
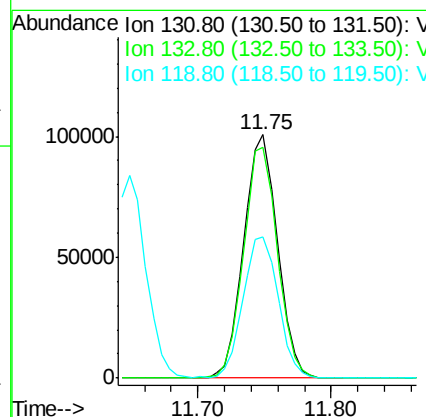
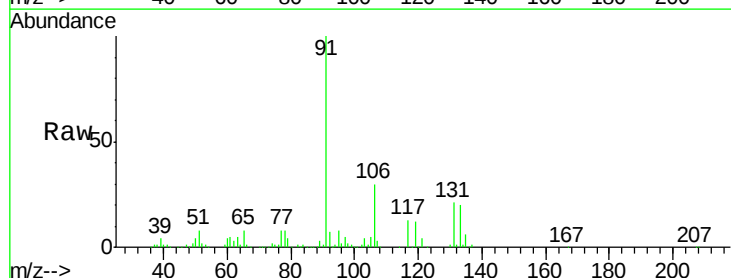
Manual Integrations
APPROVED

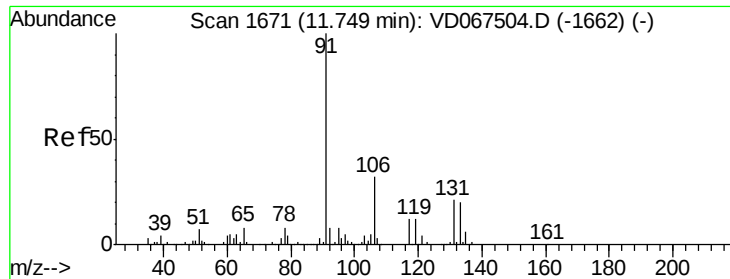
MMDadoda
11/16/2020 2:35:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.047 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.0	144.0
119	60.3	30.1	90.5





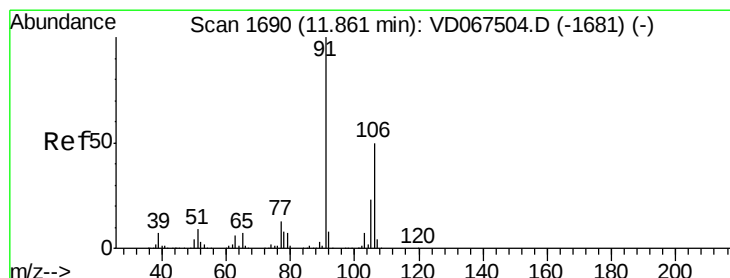
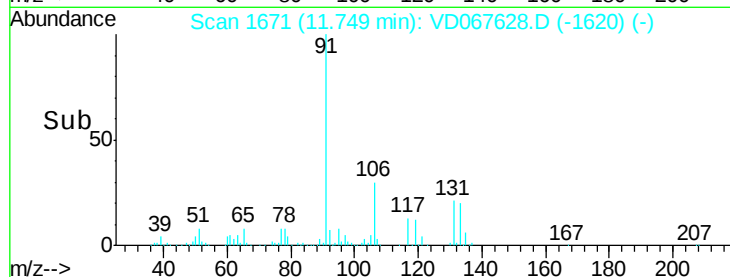
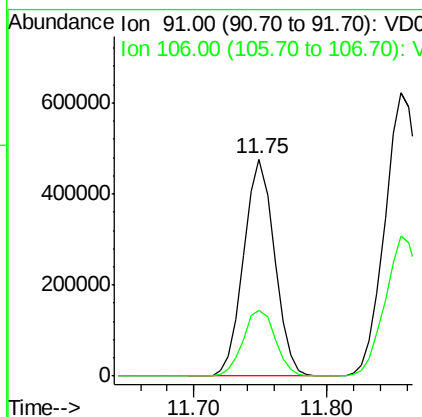
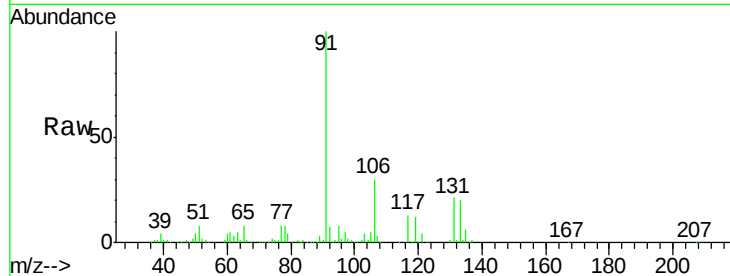
#67
Ethyl Benzene
Concen: 50.901 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.7	38.5

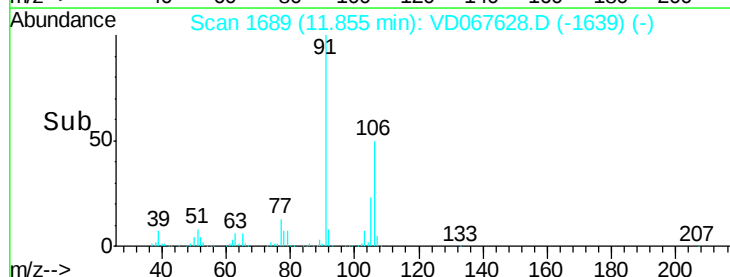
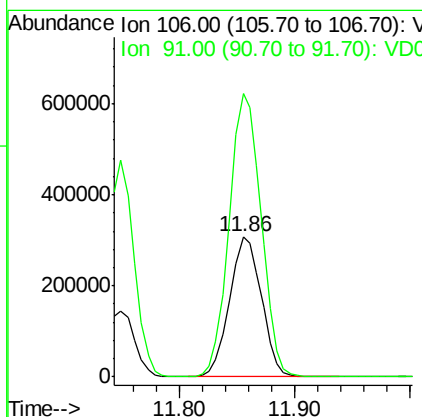
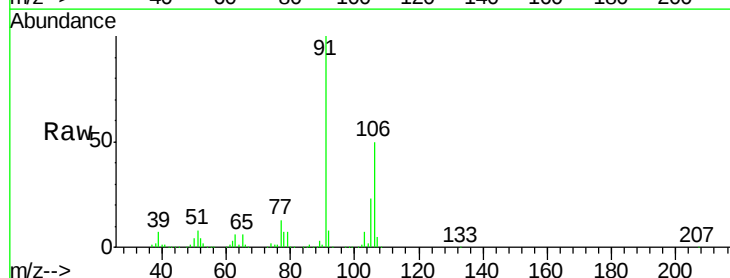
Manual Integrations
APPROVED

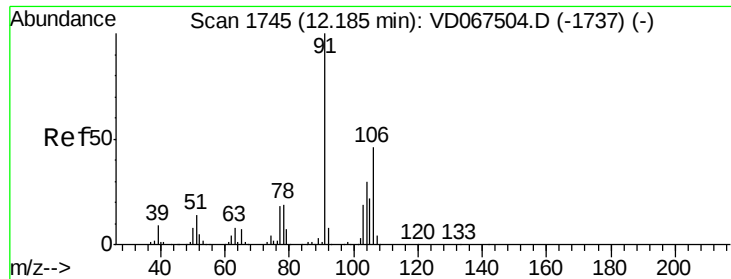
MMDadoda
11/16/2020 2:35:01 PM



#68
m/p-Xylenes
Concen: 100.662 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.4	162.6	244.0





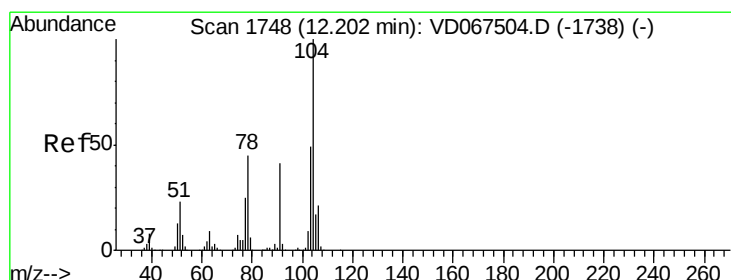
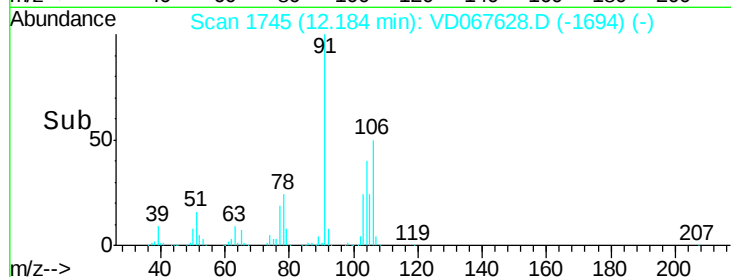
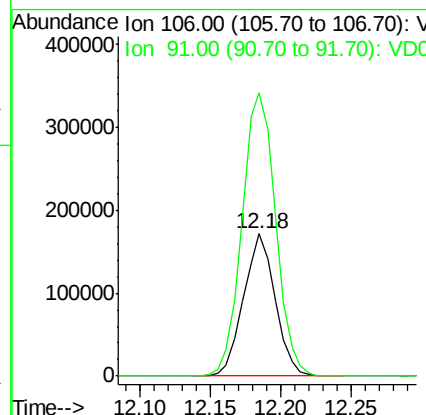
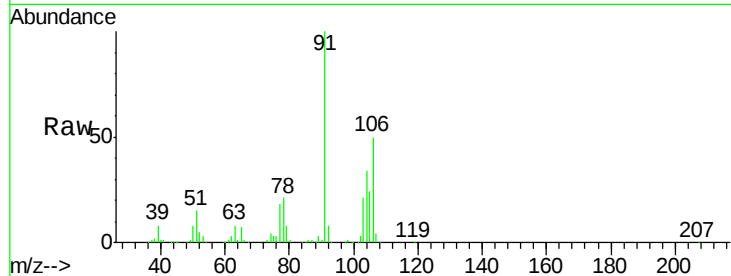
#69
o-Xylene
Concen: 51.398 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		268051		
91	212.0	107.1	321.1		

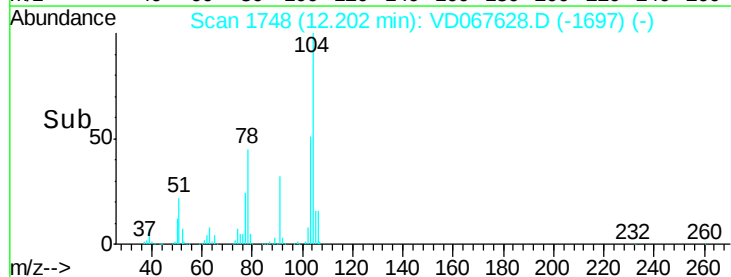
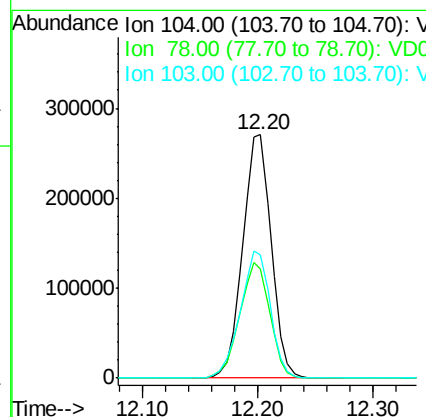
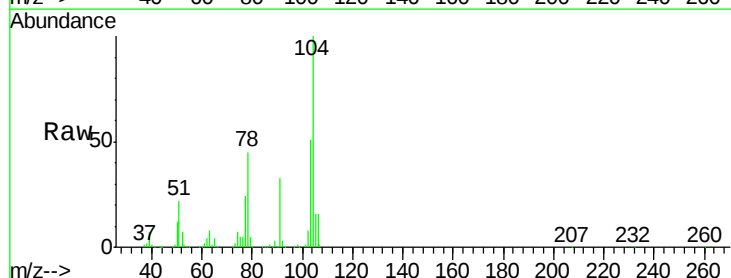
Manual Integrations
APPROVED

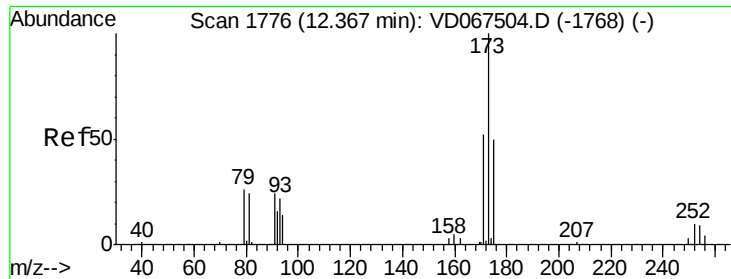
MMDadoda
11/16/2020 2:35:01 PM



#70
Styrene
Concen: 50.935 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		462881		
78	50.2	39.8	59.8		
103	54.9	43.9	65.9		





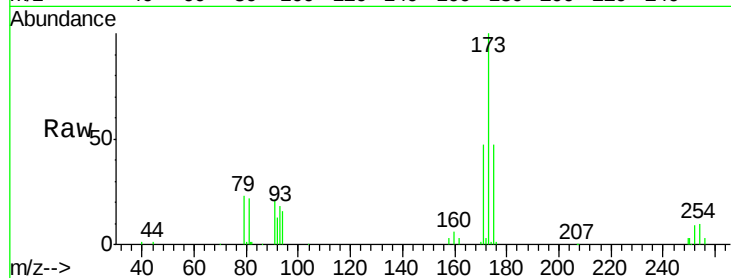
#71
Bromoform
Concen: 53.740 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

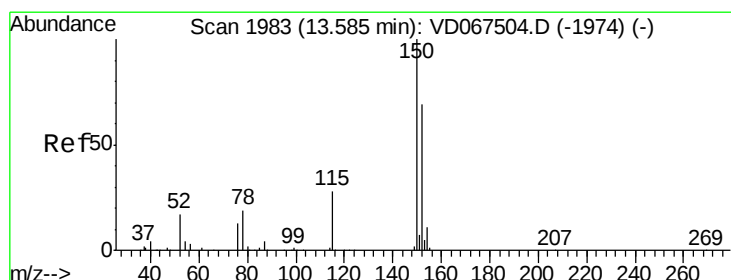
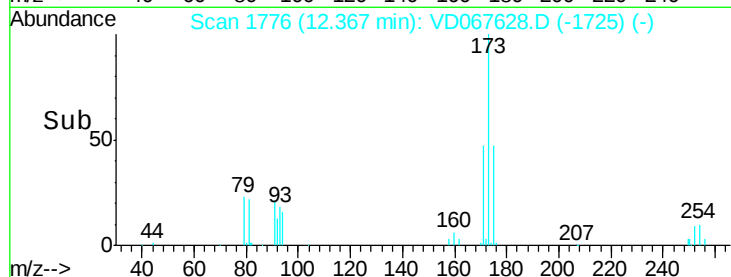
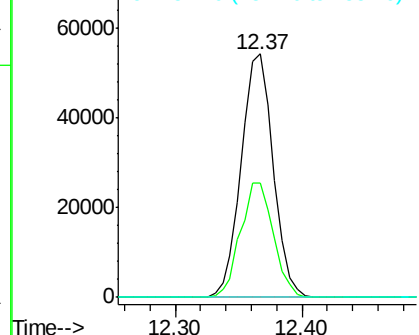
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:35:01 PM

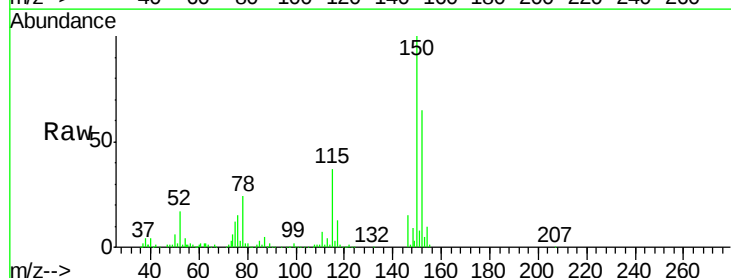


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

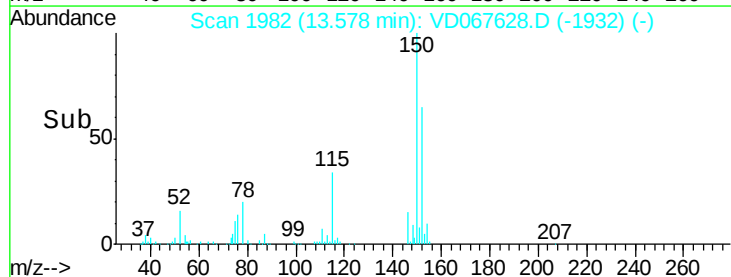
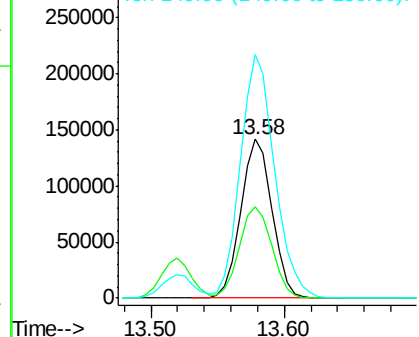


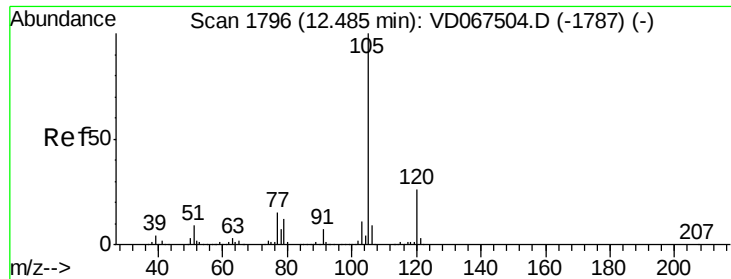
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.3	88.0
150	168.6	0.0	338.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.871 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 751221

Ion Ratio Lower Upper

105 100

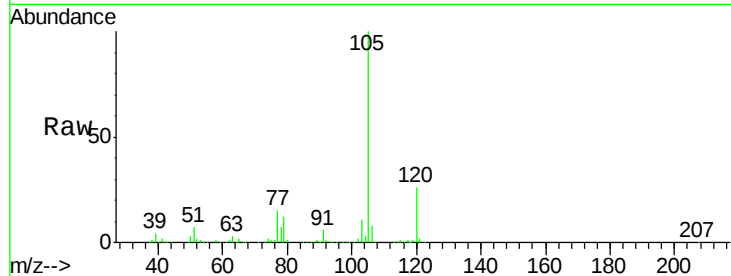
120 27.0 13.2 39.6

Manual Integrations

APPROVED

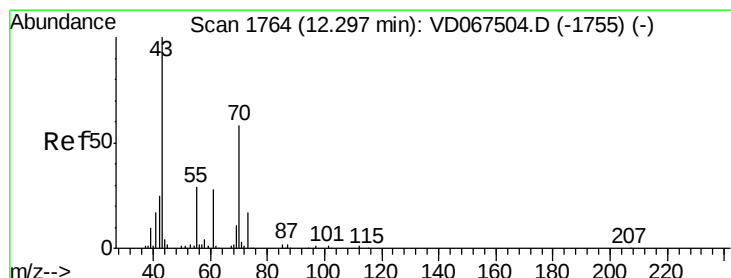
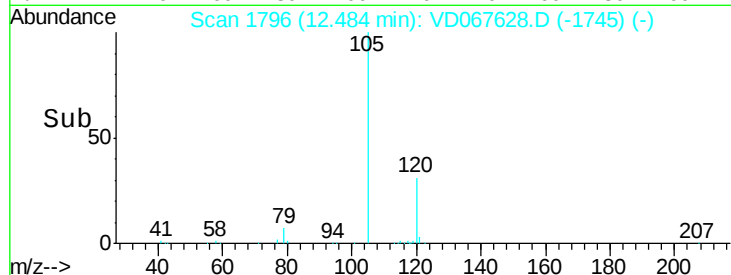
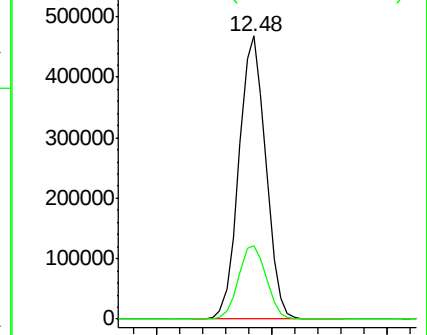
MMDadoda

11/16/2020 2:35:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.605 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Tgt Ion: 43 Resp: 106105

Ion Ratio Lower Upper

43 100

70 52.8 42.6 64.0

55 29.6 23.7 35.5

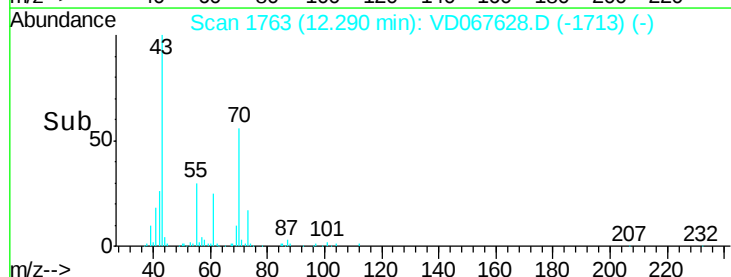
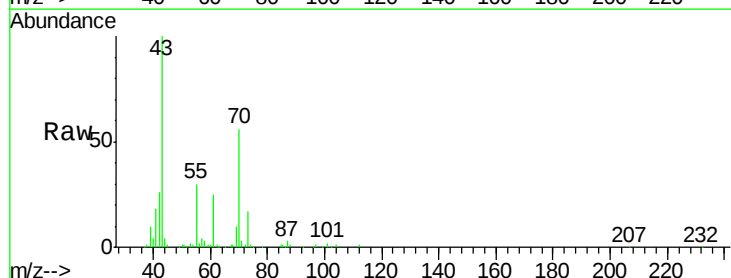
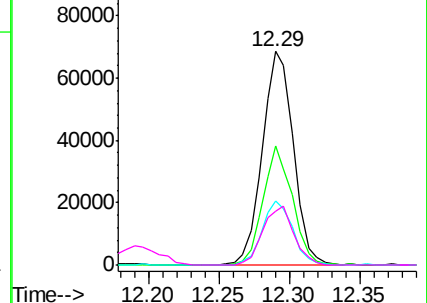
61 27.7 21.9 32.9

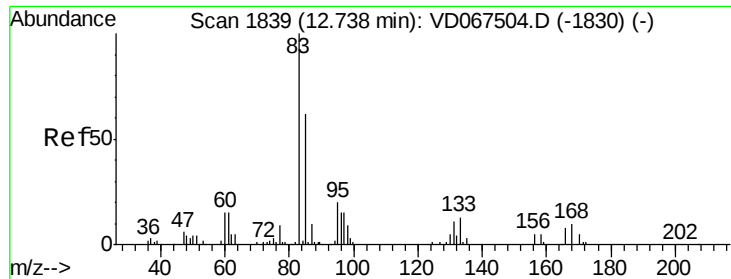
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.264 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

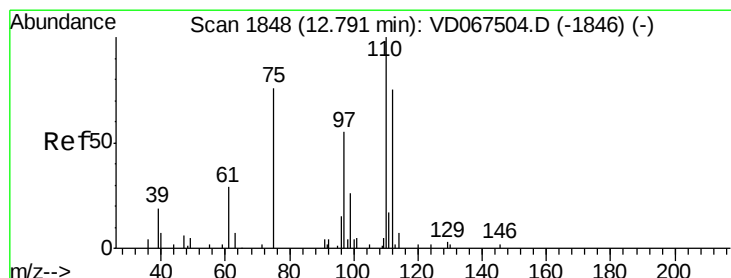
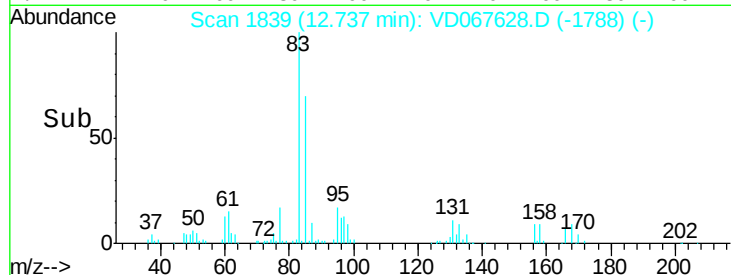
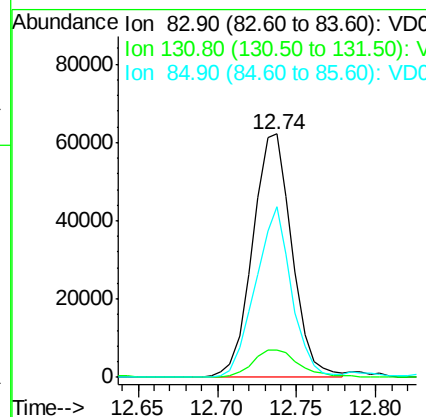
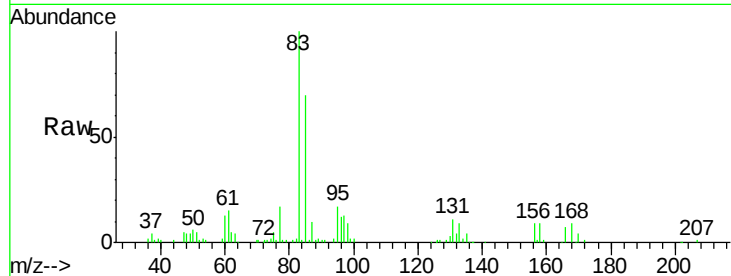
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	107256
Ion Ratio	Lower	Upper	
83	100		
131	13.3	7.1	21.3
85	64.5	32.9	98.7

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:35:01 PM



#76

1,2,3-Trichloropropane

Concen: 59.200 ug/l m

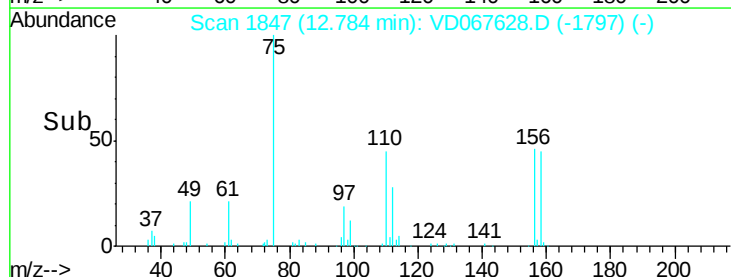
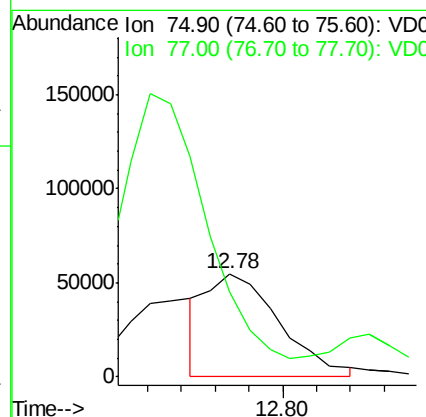
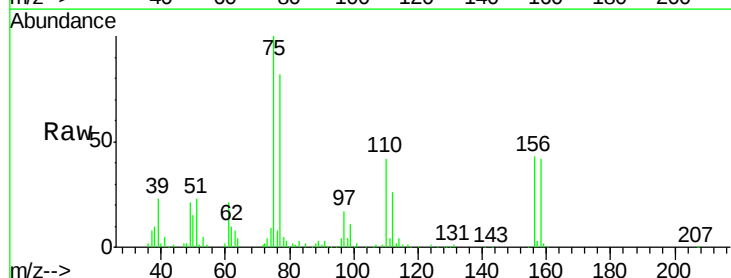
RT: 12.78 min Scan# 1847

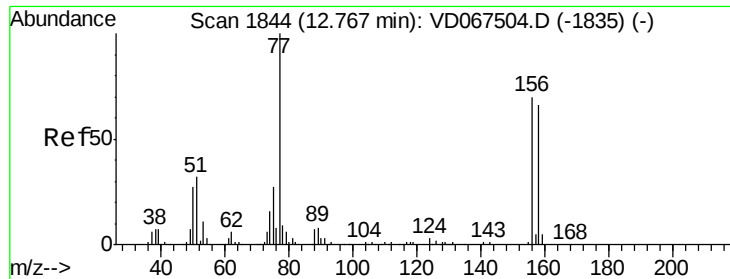
Delta R.T. -0.01 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Tgt Ion:	75	Resp:	81602
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.808 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

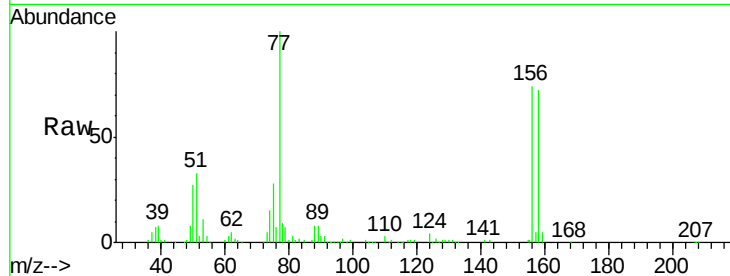
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		184262		
77	153.9		77.8	233.5	
158	97.1		47.9	143.7	

Manual Integrations
APPROVED

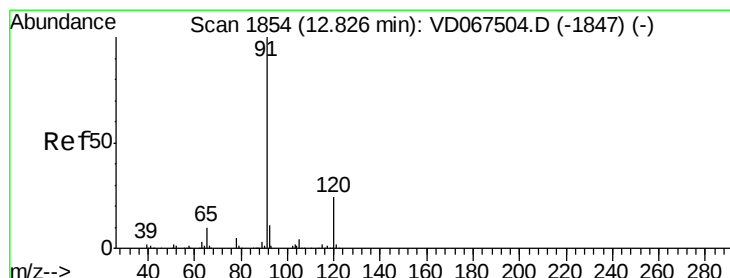
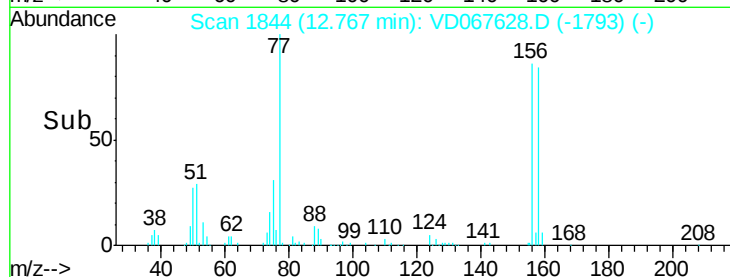
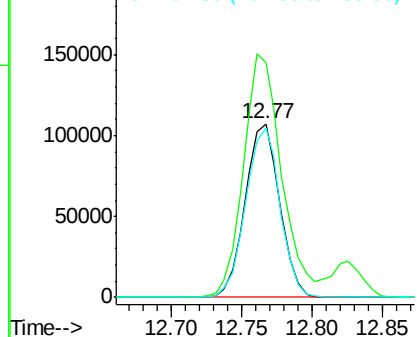
MMDadoda
11/16/2020 2:35:01 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.274 ug/l

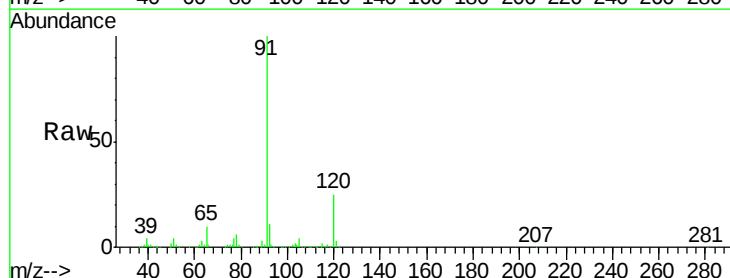
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067628.D

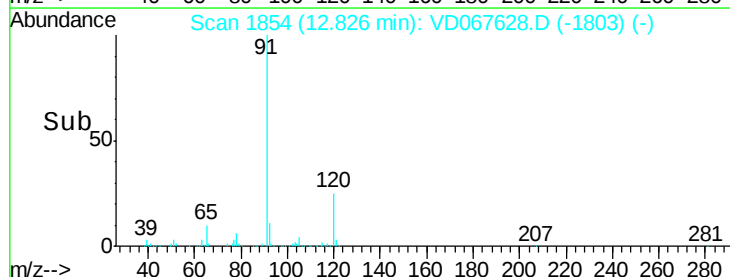
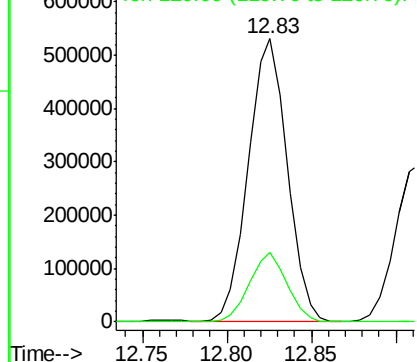
Acq: 12 Nov 2020 17:30

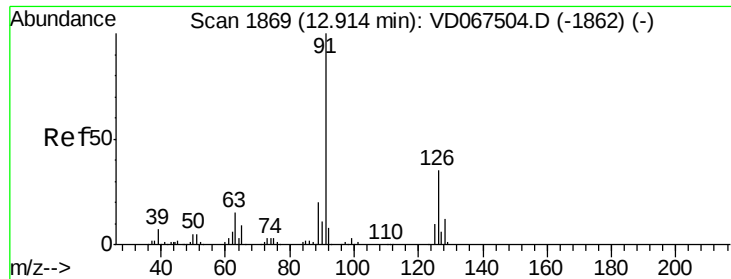
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		849178		
120	23.9		12.2	36.4	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.091 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 490212

Ion Ratio Lower Upper

91 100

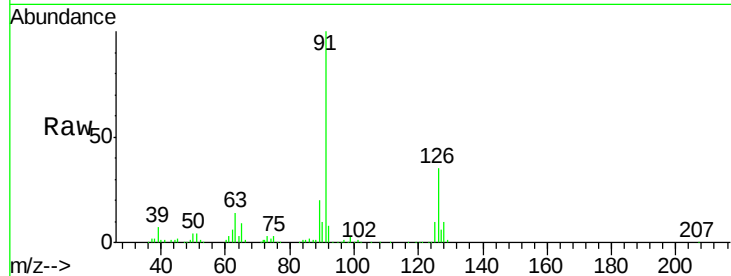
126 36.6 17.8 53.4

Manual Integrations

APPROVED

MMDadoda

11/16/2020 2:35:01 PM



Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067504.D (-1862) (-)

600000

500000

400000

300000

200000

100000

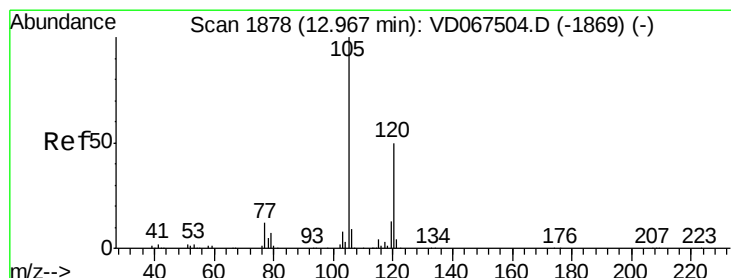
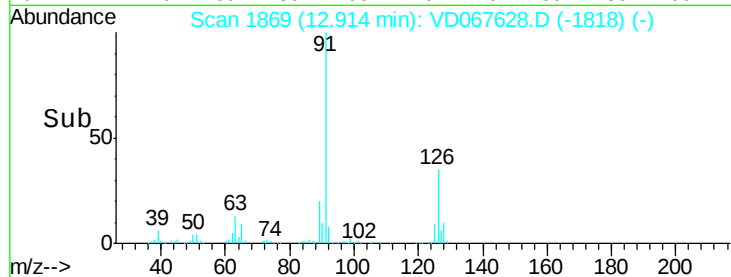
0

12.85

12.90

12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.359 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067628.D

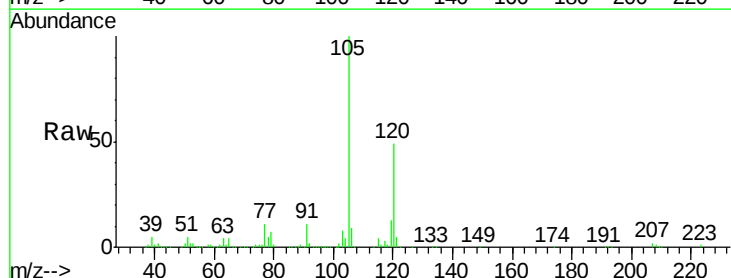
Acq: 12 Nov 2020 17:30

Tgt Ion: 105 Resp: 647885

Ion Ratio Lower Upper

105 100

120 49.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD067504.D (-1869) (-)

400000

300000

200000

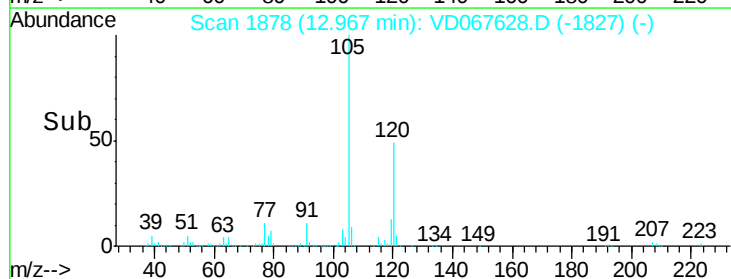
100000

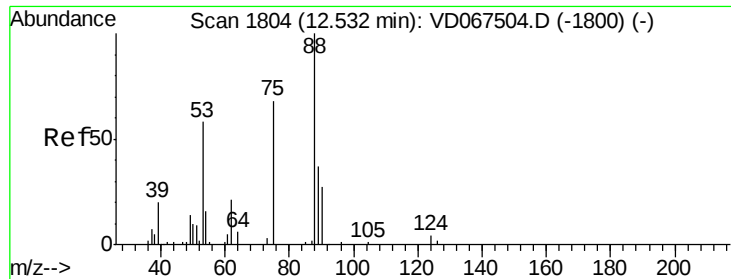
0

12.90

13.00

Time-->





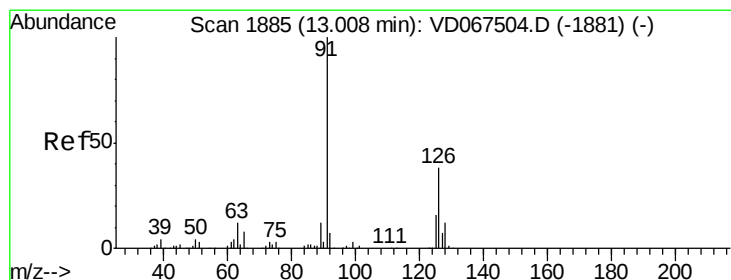
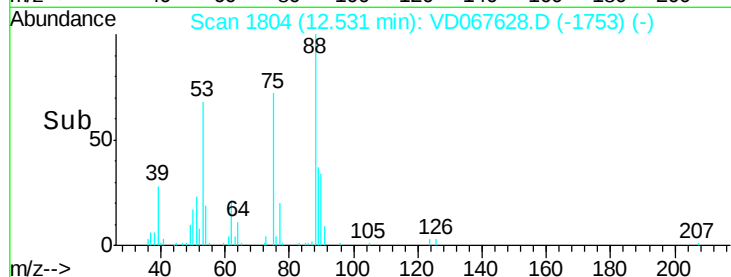
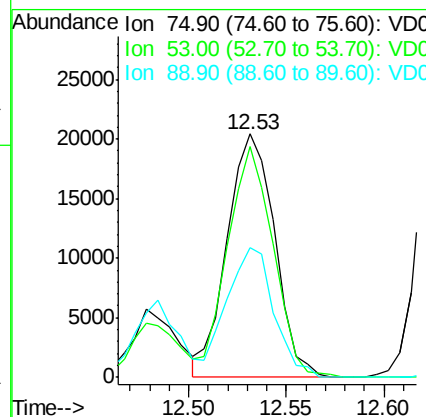
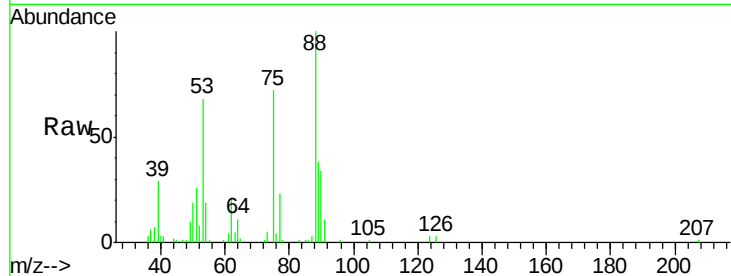
#81
trans-1,4-Dichloro-2-butene
Concen: 50.783 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	75.9	113.9
89	52.4	44.6	67.0

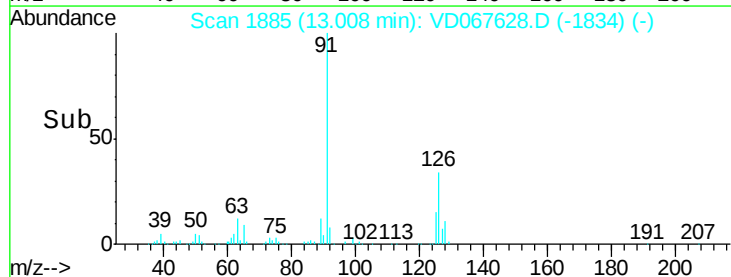
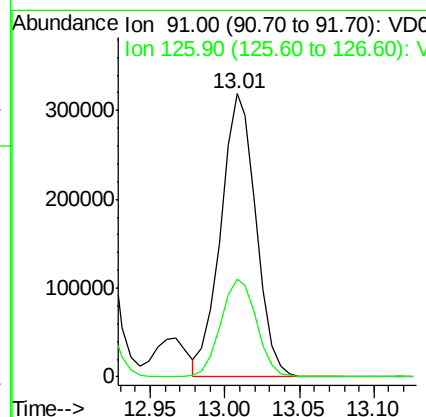
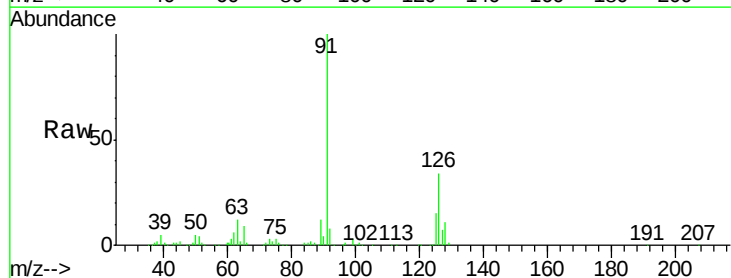
Manual Integrations
APPROVED

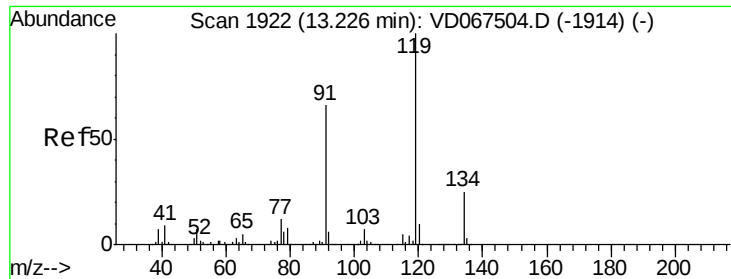
MMDadoda
11/16/2020 2:35:01 PM



#82
4-Chlorotoluene
Concen: 50.894 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.9	53.7





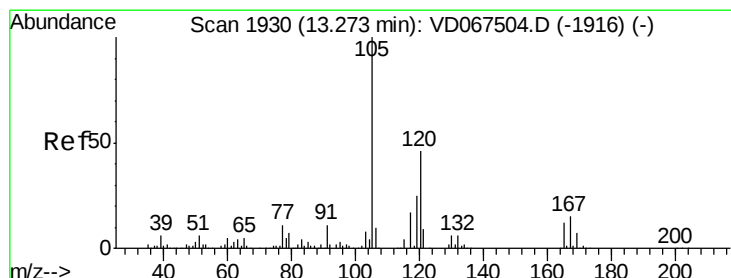
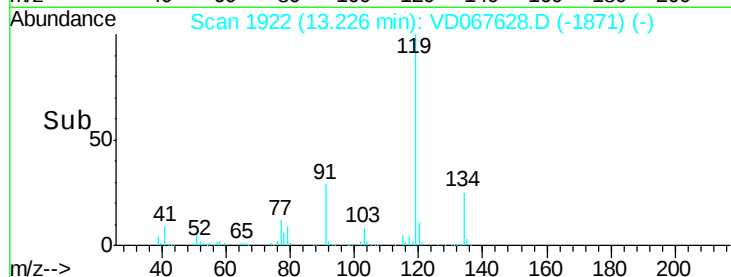
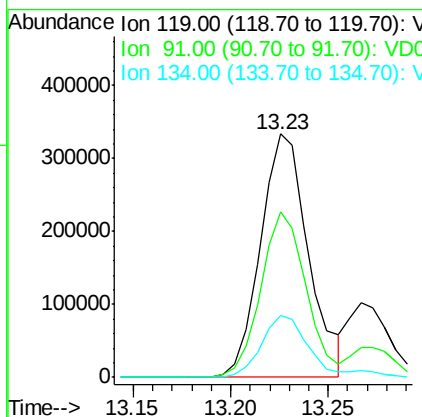
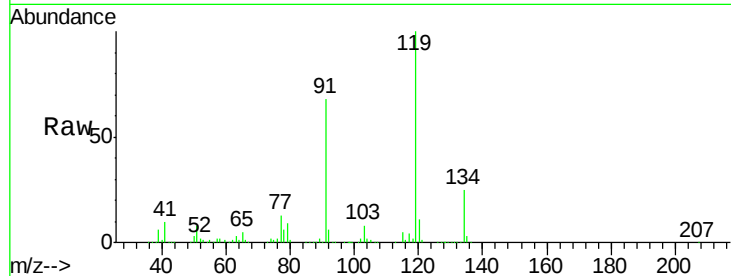
#83
tert-Butylbenzene
Concen: 52.932 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	565908		
91	64.1		32.7	98.1
134	26.0		13.4	40.2

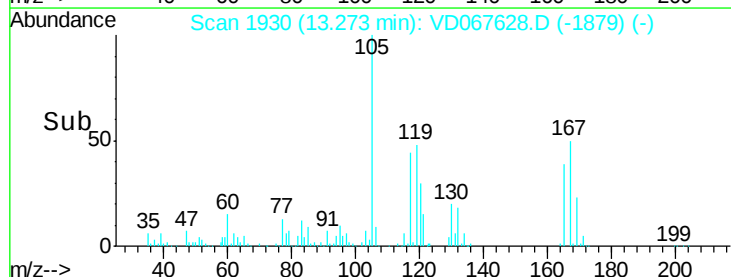
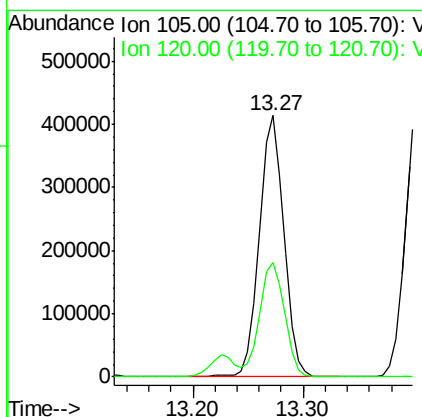
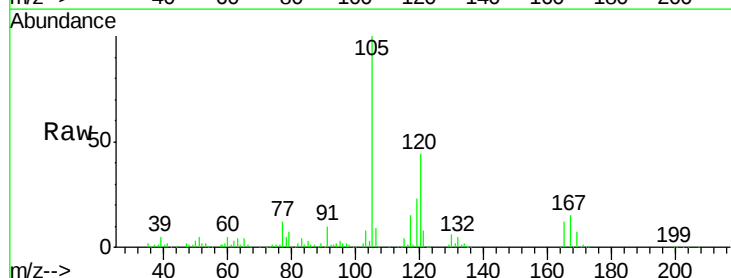
Manual Integrations
APPROVED

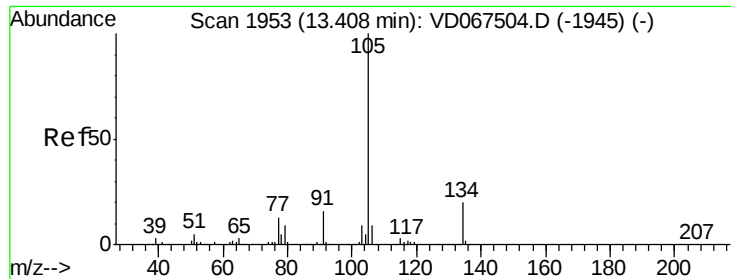
MMDadoda
11/16/2020 2:35:01 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.677 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	648900		
120	44.5		22.1	66.1





#85

sec-Butylbenzene

Concen: 51.614 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 744922

Ion Ratio Lower Upper

105 100

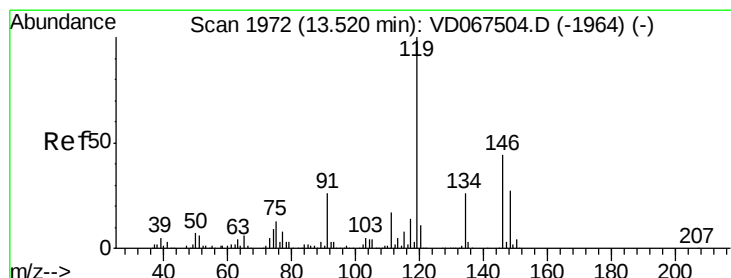
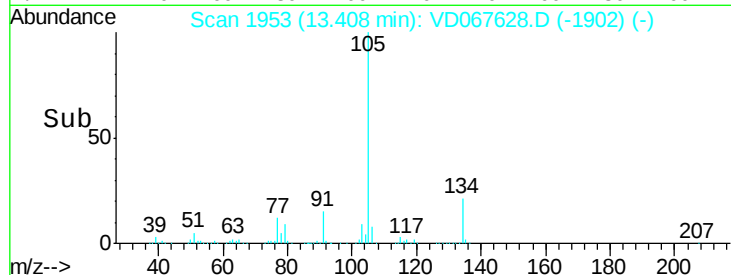
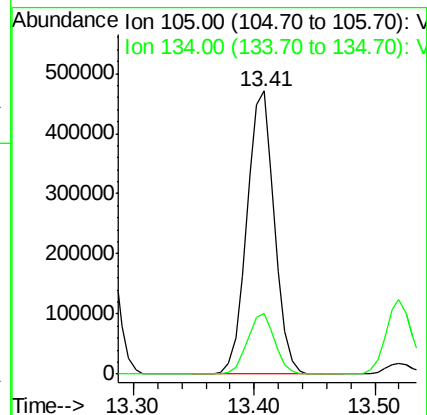
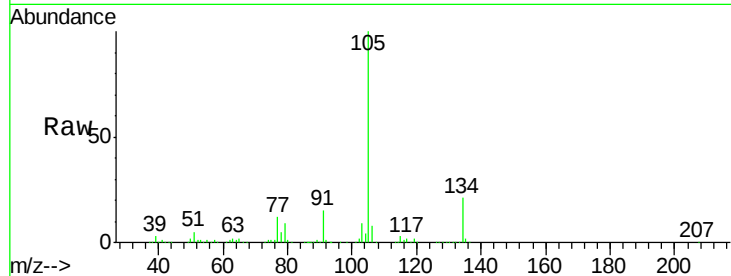
134 21.2 10.4 31.4

Manual Integrations

APPROVED

MMDadoda

11/16/2020 2:35:01 PM



#86

p-Isopropyltoluene

Concen: 50.917 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

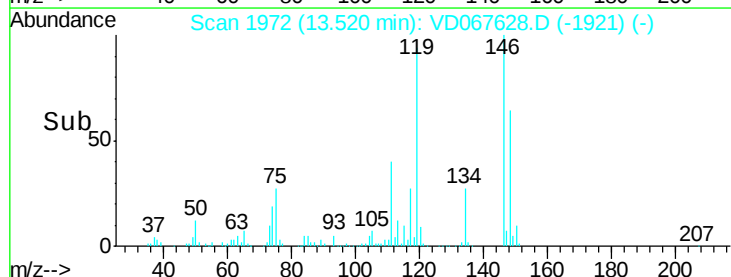
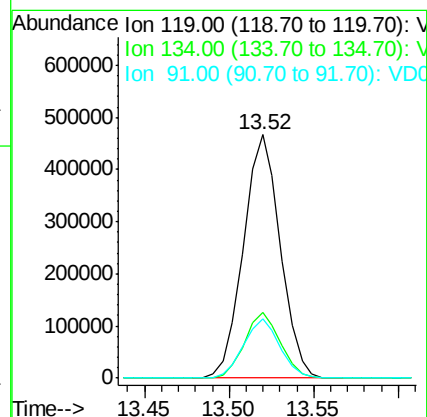
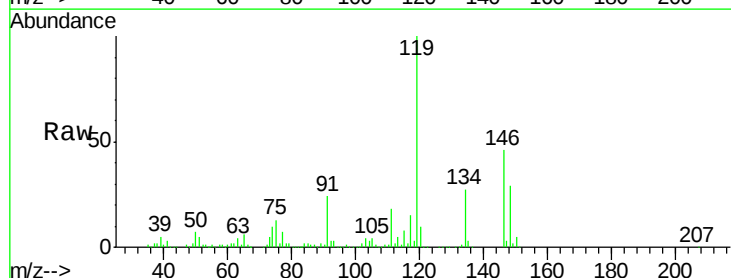
Tgt Ion:119 Resp: 709641

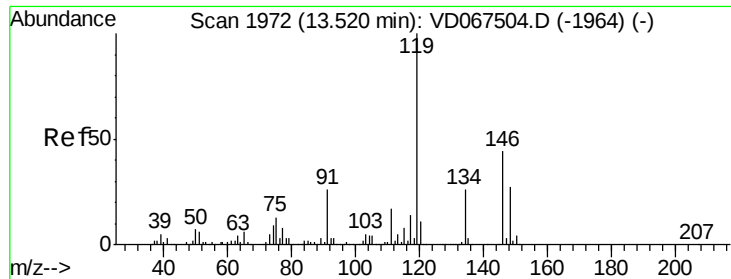
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 23.6 12.2 36.4





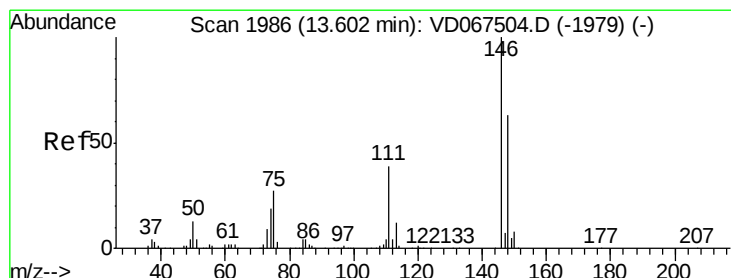
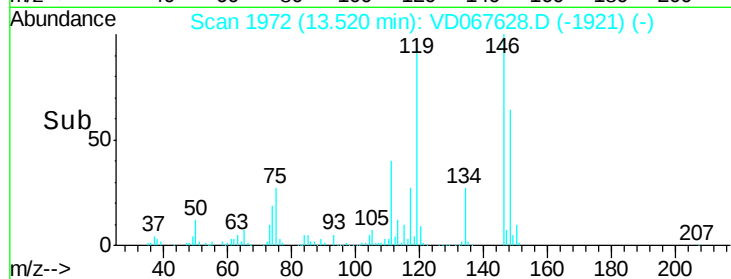
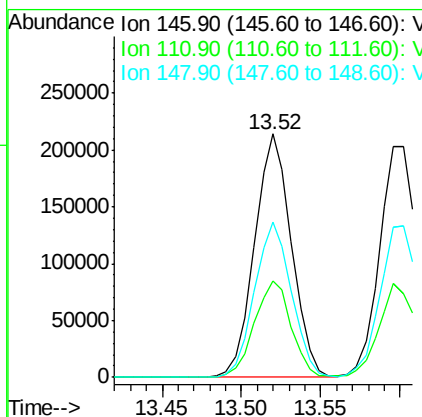
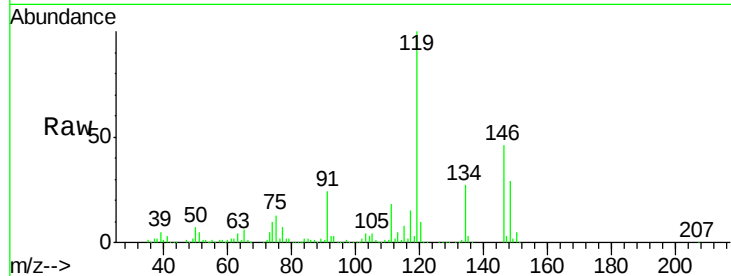
#87
 1,3-Dichlorobenzene
 Concen: 49.984 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	345895		
111	39.5	20.3	60.8	
148	64.0	31.9	95.9	

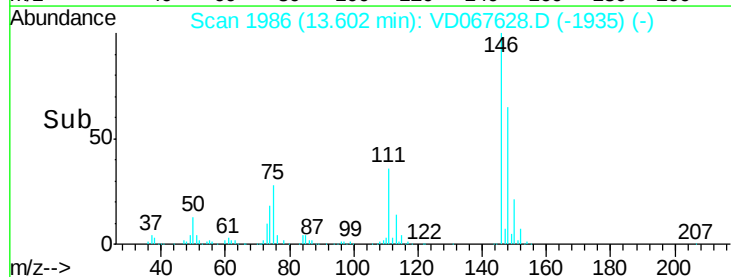
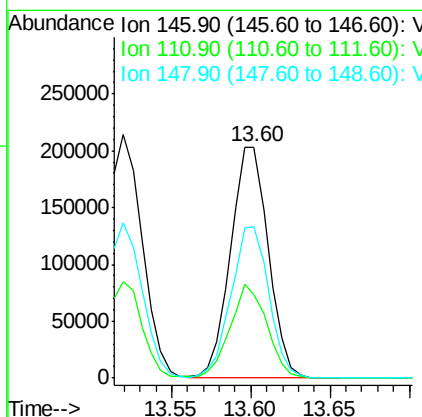
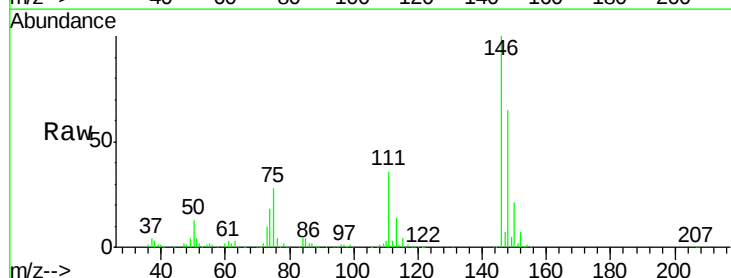
Manual Integrations
 APPROVED

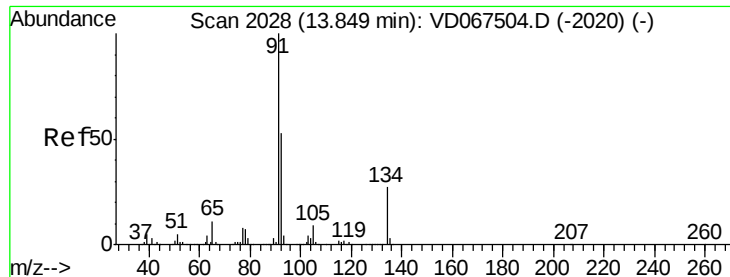
MMDadoda
 11/16/2020 2:35:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.078 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	336891		
111	39.6	19.6	58.7	
148	65.7	31.8	95.4	





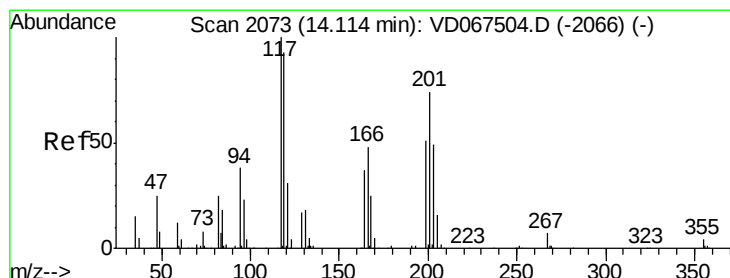
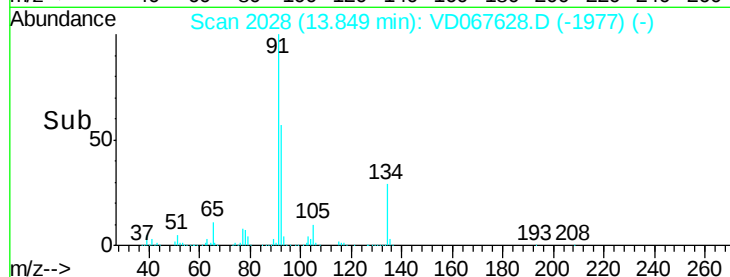
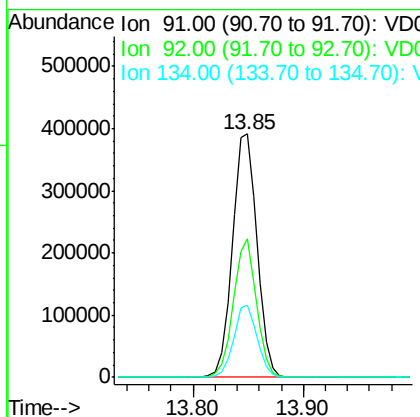
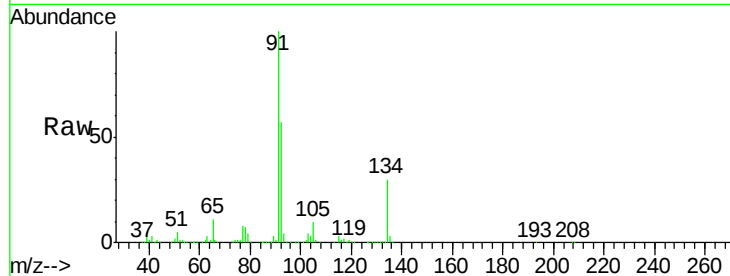
#89
n-Butylbenzene
Concen: 50.751 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.8
134	28.4	14.1	42.2

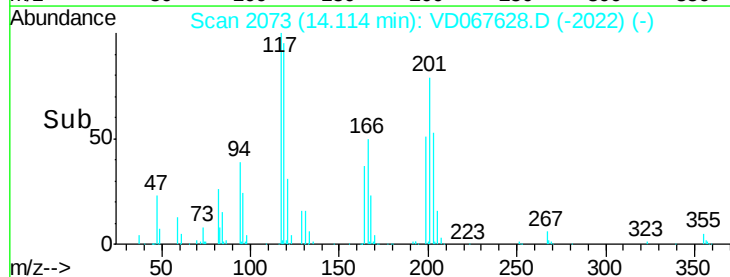
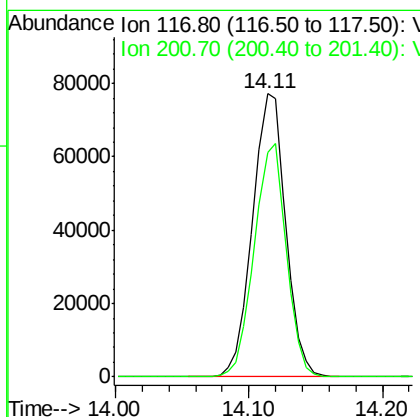
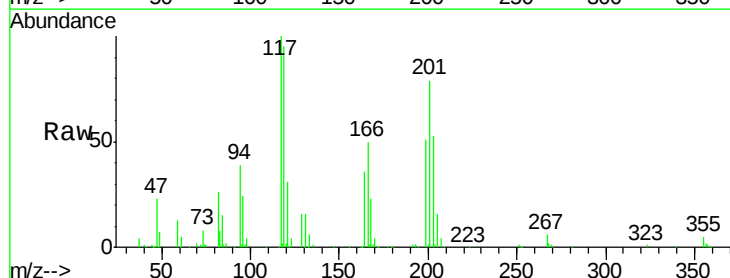
Manual Integrations
APPROVED

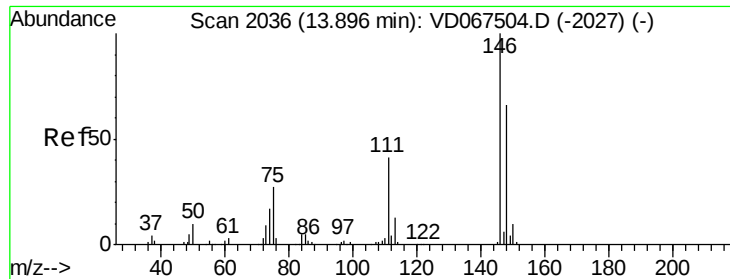
MMDadoda
11/16/2020 2:35:01 PM



#90
Hexachloroethane
Concen: 50.419 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067628.D
Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.6	40.7	122.1





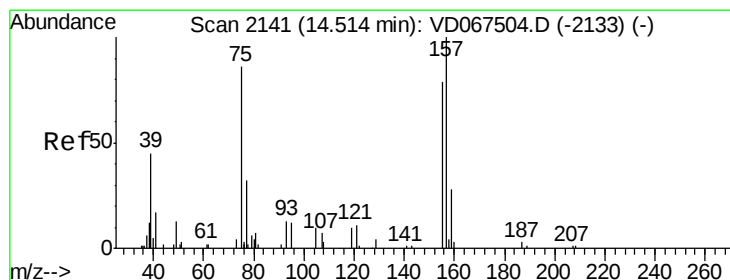
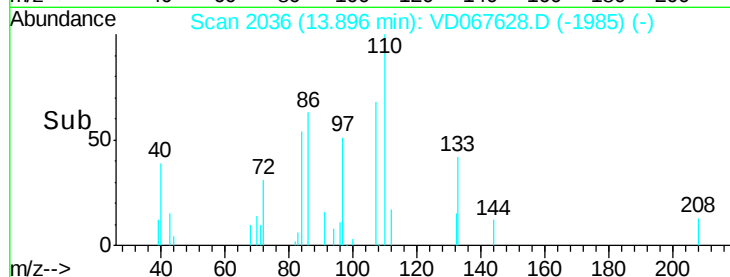
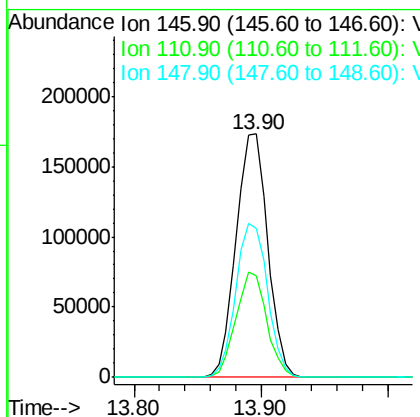
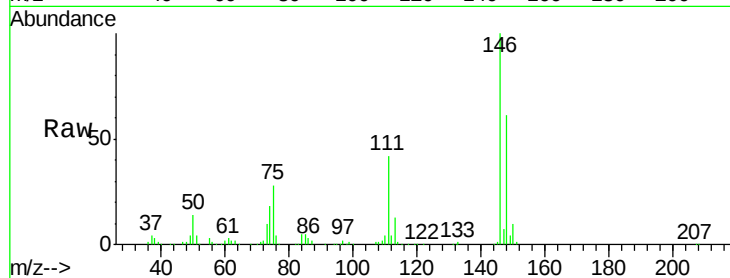
#91
 1,2-Dichlorobenzene
 Concen: 50.210 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.7	62.1
148	63.6	31.5	94.5

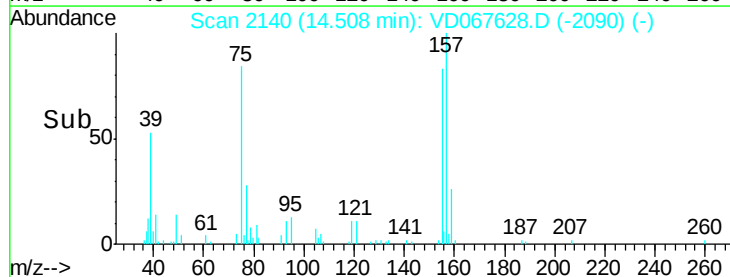
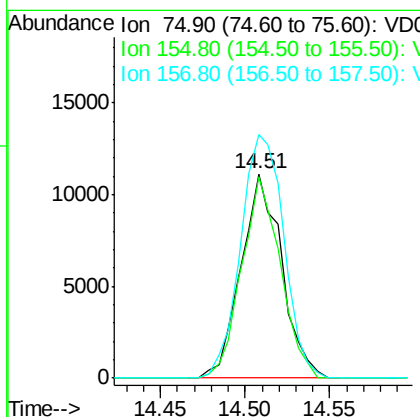
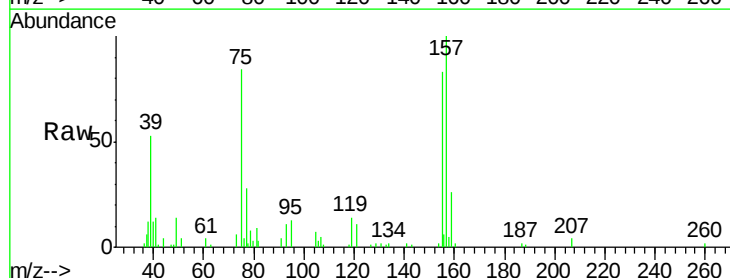
Manual Integrations
 APPROVED

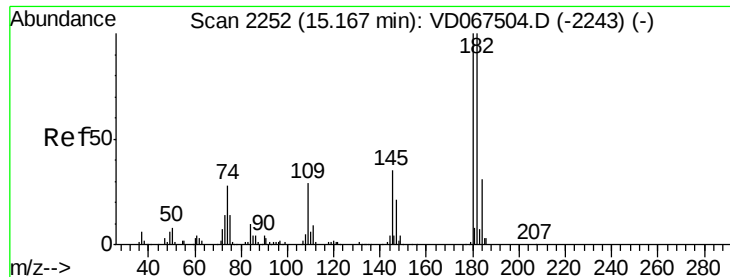
MMDadoda
 11/16/2020 2:35:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.229 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.0	46.6	139.8
157	126.9	58.1	174.2





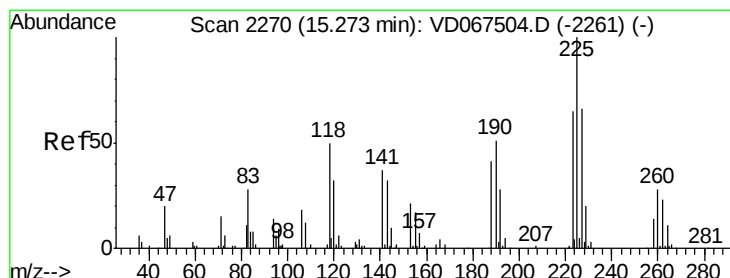
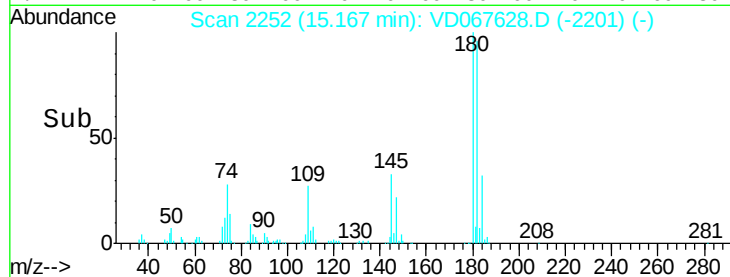
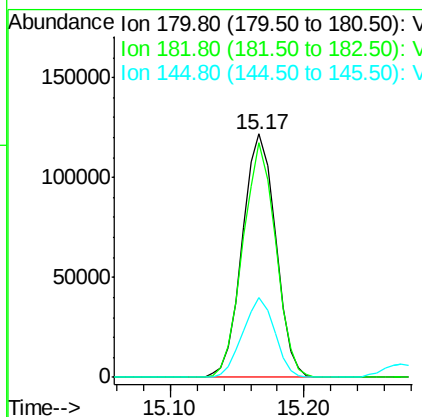
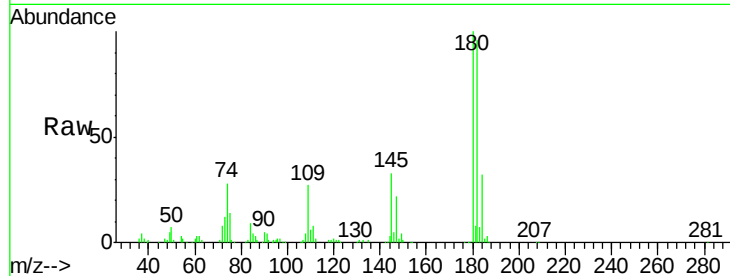
#93
 1,2,4-Trichlorobenzene
 Concen: 51.536 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	209490		
182	95.0	47.4	142.3	
145	31.5	16.2	48.6	

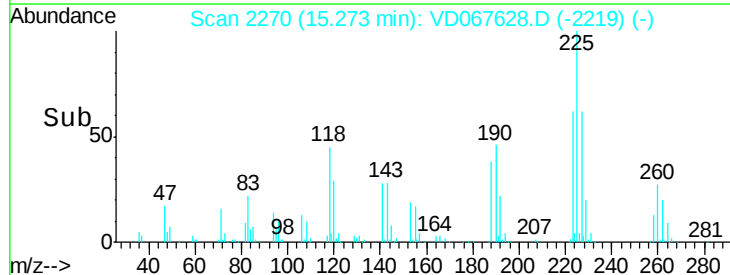
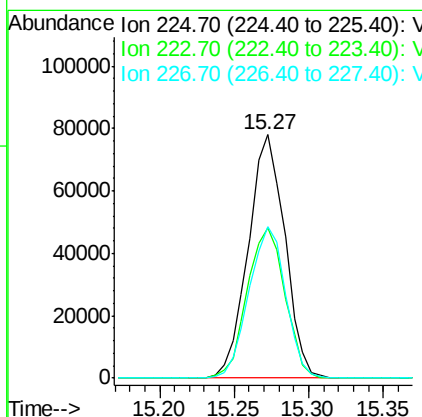
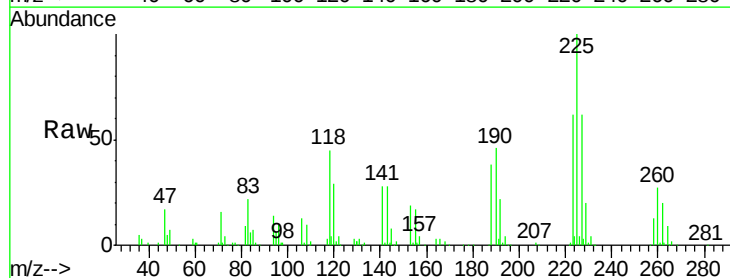
Manual Integrations
 APPROVED

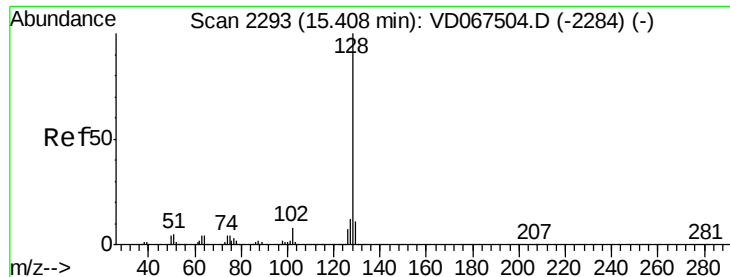
MMDadoda
 11/16/2020 2:35:01 PM



#94
 Hexachlorobutadiene
 Concen: 48.546 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067628.D
 Acq: 12 Nov 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	132070		
223	63.8	31.9	95.5	
227	62.4	32.5	97.4	





#95

Naphthalene

Concen: 56.241 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Instrument :

MSVOA_D

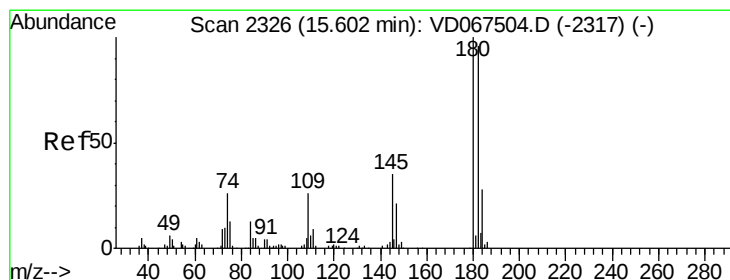
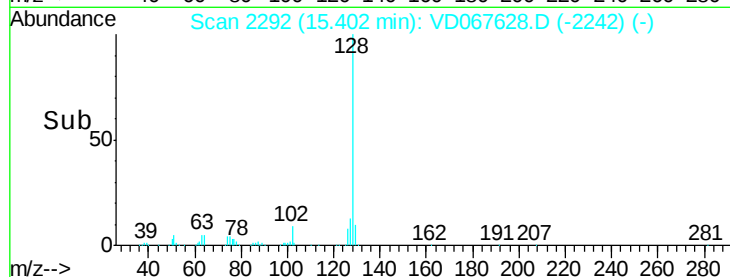
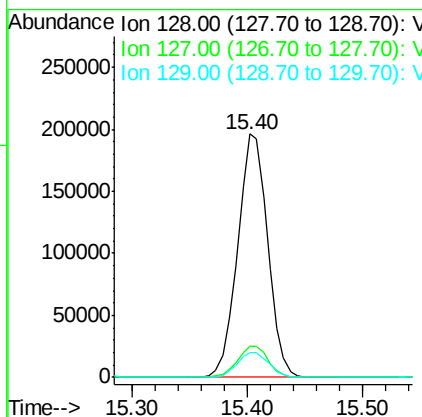
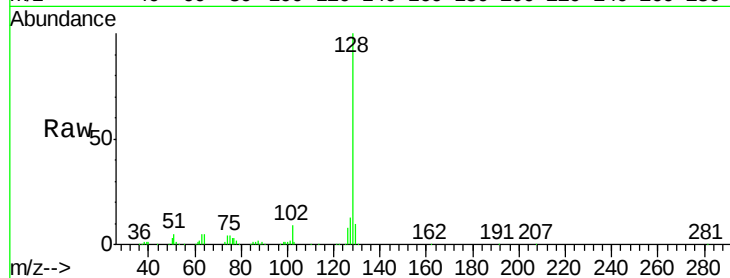
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	352807
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:35:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.408 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD067628.D

Acq: 12 Nov 2020 17:30

Tgt Ion:	180	Resp:	182431
Ion Ratio		Lower	Upper
180	100		
182	95.3	46.9	140.8
145	33.9	17.1	51.2

