

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067855.D
 Acq On : 03 Dec 2020 00:07
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 9:57:03 AM

Quant Time: Dec 03 02:54:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	210062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	317144	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	300756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157830	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	116924	51.85	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.70%
35) Dibromofluoromethane	7.91	113	105700	49.81	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.62%
50) Toluene-d8	10.34	98	374154	48.98	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.96%
62) 4-Bromofluorobenzene	12.64	95	140464	53.18	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	91405	50.000	ug/l 100
3) Chloromethane	2.21	50	48243	45.727	ug/l 99
4) Vinyl Chloride	2.35	62	65020	48.934	ug/l 96
5) Bromomethane	2.77	94	80194	67.607	ug/l 93
6) Chloroethane	2.92	64	44867	51.862	ug/l 99
7) Trichlorofluoromethane	3.28	101	192112	47.249	ug/l 93
8) Diethyl Ether	3.71	74	41289	52.101	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	84437	45.541	ug/l 97
10) Methyl Iodide	4.30	142	69893	35.565	ug/l 98
11) Tert butyl alcohol	5.22	59	30804	270.339	ug/l 99
12) 1,1-Dichloroethene	4.07	96	82617	47.463	ug/l 97
13) Acrolein	3.93	56	21903	252.745	ug/l 93
14) Allyl chloride	4.72	41	79968	49.660	ug/l 95
15) Acrylonitrile	5.43	53	70907	258.043	ug/l 97
16) Acetone	4.16	43	61936	222.262	ug/l 98
17) Carbon Disulfide	4.41	76	236206	48.603	ug/l 99
18) Methyl Acetate	4.71	43	27462	52.549	ug/l # 84
19) Methyl tert-butyl Ether	5.48	73	207695	55.723	ug/l 98
20) Methylene Chloride	4.97	84	104337	58.500	ug/l 99
21) trans-1,2-Dichloroethene	5.47	96	102566	51.781	ug/l 99
22) Diisopropyl ether	6.36	45	170753	52.722	ug/l # 87
23) Vinyl Acetate	6.31	43	507760	281.813	ug/l 96
24) 1,1-Dichloroethane	6.27	63	147115	51.818	ug/l 99
25) 2-Butanone	7.22	43	75732	258.385	ug/l 93
26) 2,2-Dichloropropane	7.22	77	158259	46.746	ug/l 100
27) cis-1,2-Dichloroethene	7.21	96	113345	52.317	ug/l 99
28) Bromochloromethane	7.56	49	49770	55.214	ug/l # 96
29) Tetrahydrofuran	7.57	42	42942	257.314	ug/l 92
30) Chloroform	7.71	83	198254	52.253	ug/l 97
31) Cyclohexane	7.98	56	102944	43.329	ug/l 92
32) 1,1,1-Trichloroethane	7.90	97	201225	50.242	ug/l 98
36) 1,1-Dichloropropene	8.12	75	127710	46.516	ug/l 99
37) Ethyl Acetate	7.30	43	35807	48.391	ug/l 96
38) Carbon Tetrachloride	8.10	117	190751	45.920	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067855.D
 Acq On : 03 Dec 2020 00:07
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 9:57:03 AM

Quant Time: Dec 03 02:54:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	146901	45.151	ug/l	93
40) Benzene	8.36	78	373251	49.684	ug/l	98
41) Methacrylonitrile	7.53	41	19824m	57.047	ug/l	
42) 1,2-Dichloroethane	8.43	62	137308	51.283	ug/l	98
43) Isopropyl Acetate	8.45	43	72067	49.499	ug/l	97
44) Trichloroethene	9.12	130	122627	47.477	ug/l	96
45) 1,2-Dichloropropane	9.39	63	73793	47.859	ug/l	96
46) Dibromomethane	9.48	93	54545	50.880	ug/l	99
47) Bromodichloromethane	9.67	83	155710	50.949	ug/l	99
48) Methyl methacrylate	9.46	41	36652	49.576	ug/l	92
49) 1,4-Dioxane	9.47	88	11169	911.781	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	177850	258.098	ug/l	98
52) Toluene	10.41	92	258769	49.267	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	133110	50.461	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	145023	50.543	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	71254	48.568	ug/l	96
56) Ethyl methacrylate	10.66	69	74512	49.918	ug/l	96
57) 1,3-Dichloropropane	10.95	76	114484	49.263	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	184797	272.070	ug/l	100
59) 2-Hexanone	10.99	43	122669	252.528	ug/l	97
60) Dibromochloromethane	11.14	129	111794	50.551	ug/l	99
61) 1,2-Dibromoethane	11.25	107	74194	51.426	ug/l	96
64) Tetrachloroethene	10.88	164	110314	44.967	ug/l	98
65) Chlorobenzene	11.67	112	295879	47.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	123002	48.596	ug/l	97
67) Ethyl Benzene	11.75	91	511476	48.383	ug/l	99
68) m/p-Xylenes	11.86	106	395252	94.820	ug/l	100
69) o-Xylene	12.18	106	182356	49.277	ug/l	99
70) Styrene	12.20	104	323265	50.237	ug/l	99
71) Bromoform	12.36	173	65271	48.716	ug/l #	95
73) Isopropylbenzene	12.48	105	507694	46.775	ug/l	99
74) N-amyl acetate	12.29	43	65617	48.874	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	65118	45.442	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	51203m	44.549	ug/l	
77) Bromobenzene	12.76	156	128533	47.634	ug/l	98
78) n-propylbenzene	12.83	91	559648	46.521	ug/l	100
79) 2-Chlorotoluene	12.91	91	330667	46.723	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	446349	47.497	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19938	41.495	ug/l	92
82) 4-Chlorotoluene	13.01	91	349639	46.314	ug/l	100
83) tert-Butylbenzene	13.23	119	376256	47.051	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	451127	48.276	ug/l	98
85) sec-Butylbenzene	13.40	105	485806	45.516	ug/l	100
86) p-Isopropyltoluene	13.52	119	472714	45.190	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	242377	46.565	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	235692	45.261	ug/l	100
89) n-Butylbenzene	13.84	91	384873	44.286	ug/l	99
90) Hexachloroethane	14.11	117	89214	46.195	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	212583	47.090	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13706	45.830	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
Data File : VD067855.D
Acq On : 03 Dec 2020 00:07
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

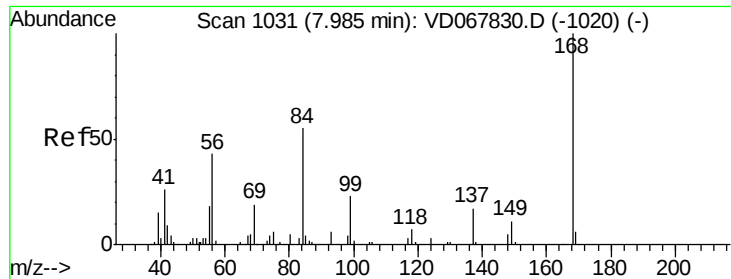
Manual Integrations
APPROVED

MMDadoda
12/3/2020 9:57:03 AM

Quant Time: Dec 03 02:54:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	150187	47.560	ug/l	99
94) Hexachlorobutadiene	15.27	225	91114	44.218	ug/l	97
95) Naphthalene	15.40	128	253750	49.382	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	132623	48.632	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: VD067855.D

Acq: 03 Dec 2020 00:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 210062

Ion Ratio Lower Upper

168 100

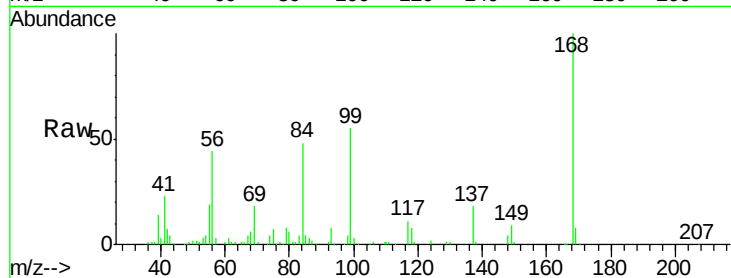
99 54.9 47.1 70.7

Manual Integrations

APPROVED

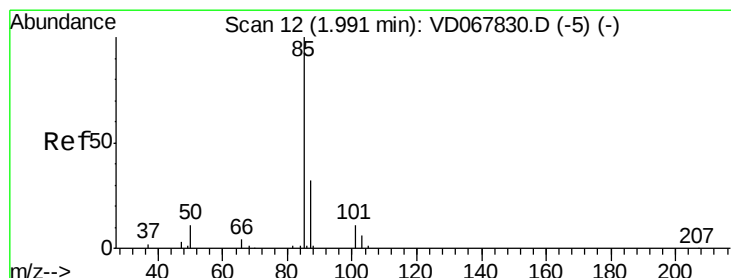
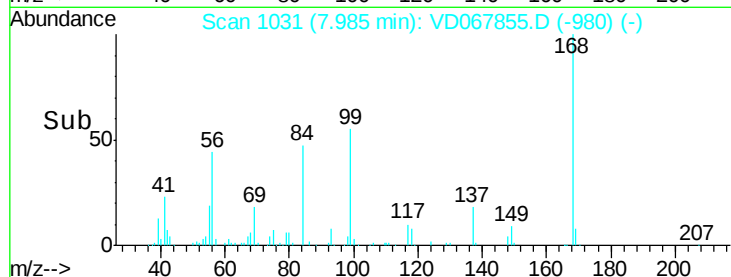
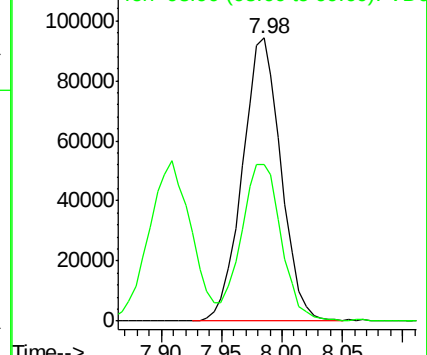
MMDadoda

12/3/2020 9:57:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.000 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067855.D

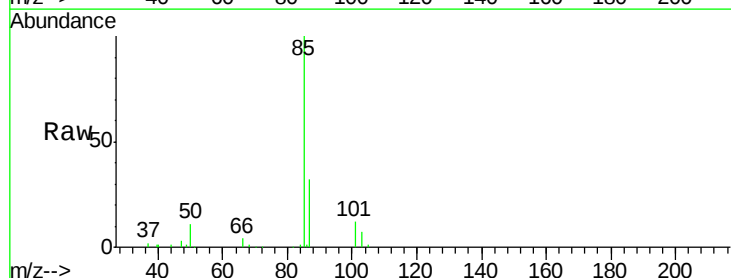
Acq: 03 Dec 2020 00:07

Tgt Ion: 85 Resp: 91405

Ion Ratio Lower Upper

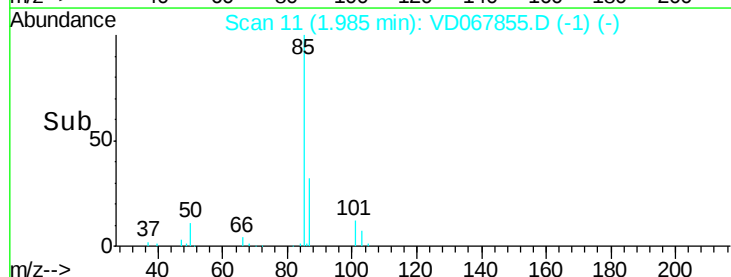
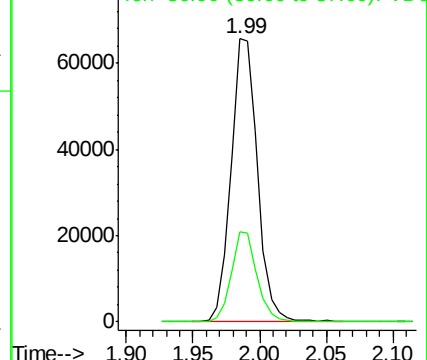
85 100

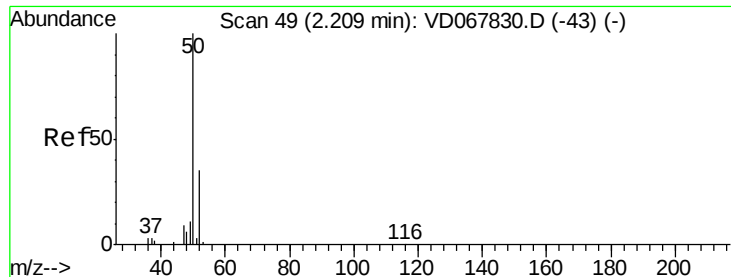
87 31.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.727 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 48243

Ion Ratio Lower Upper

50 100

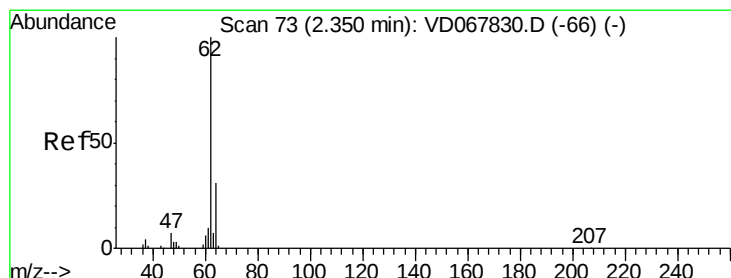
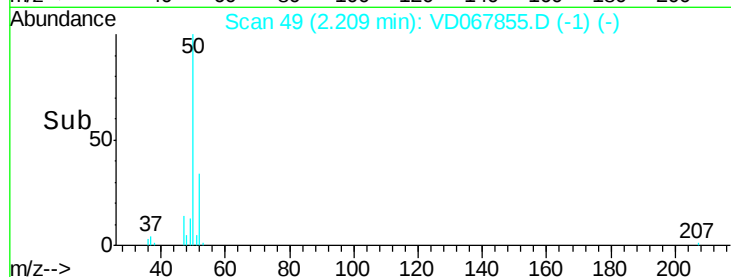
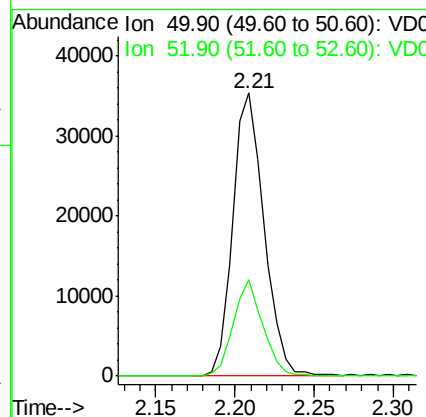
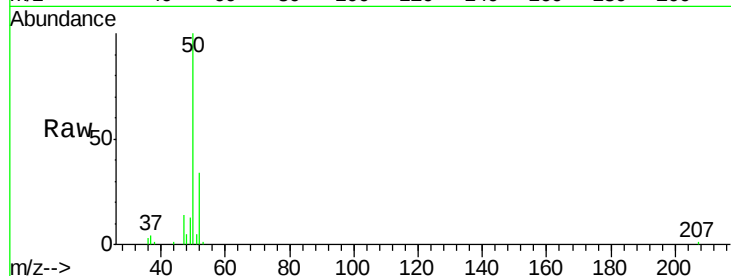
52 33.9 27.8 41.6

Manual Integrations

APPROVED

MMDadoda

12/3/2020 9:57:03 AM



#4

Vinyl Chloride

Concen: 48.934 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067855.D

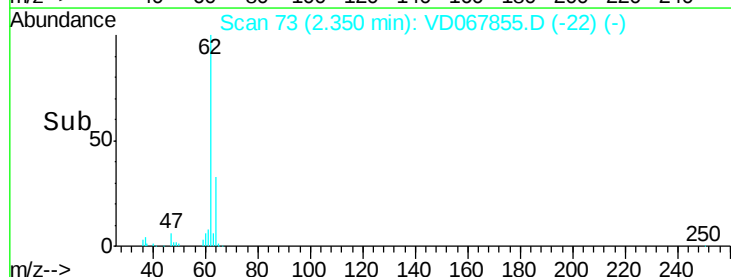
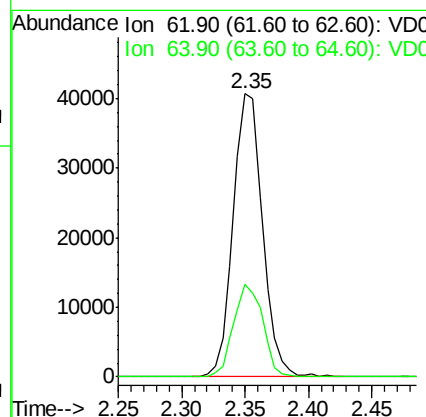
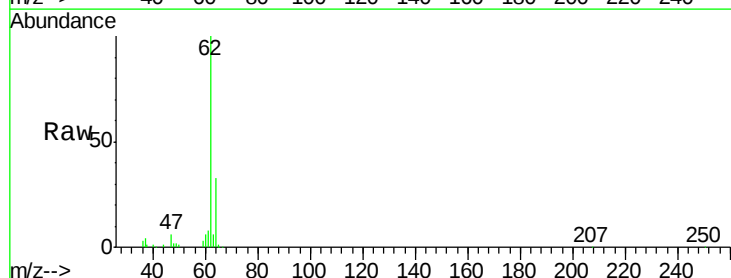
Acq: 03 Dec 2020 00:07

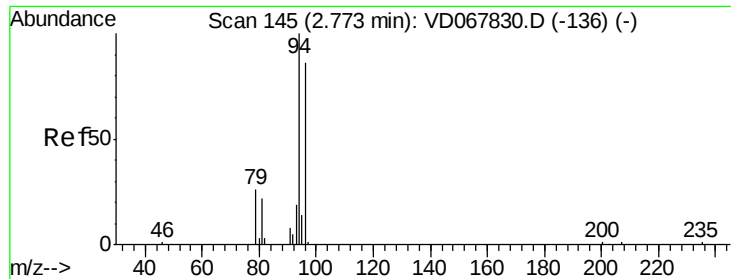
Tgt Ion: 62 Resp: 65020

Ion Ratio Lower Upper

62 100

64 32.6 24.5 36.7





#5

Bromomethane

Concen: 67.607 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 80194

Ion Ratio Lower Upper

94 100

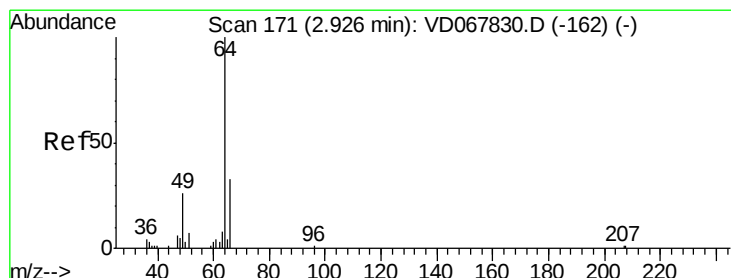
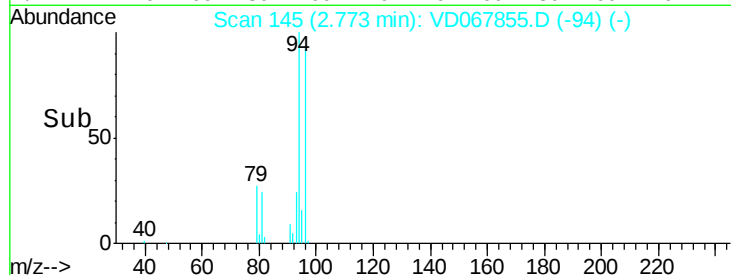
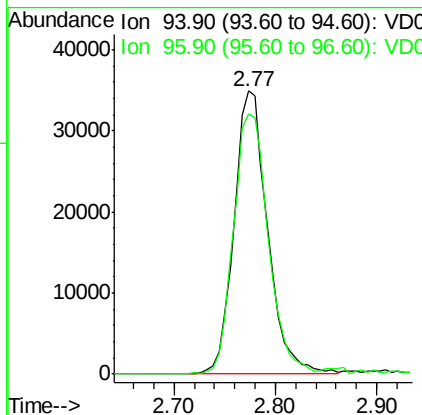
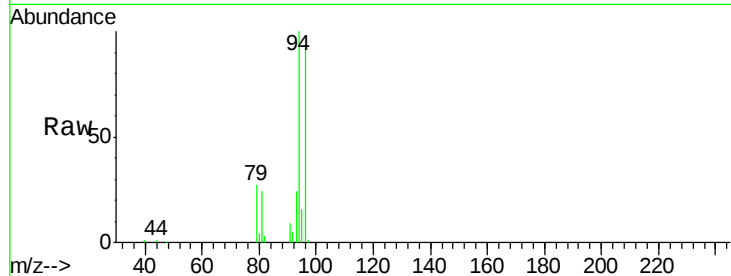
96 92.0 68.7 103.1

Manual Integrations

APPROVED

MMDadoda

12/3/2020 9:57:03 AM



#6

Chloroethane

Concen: 51.862 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067855.D

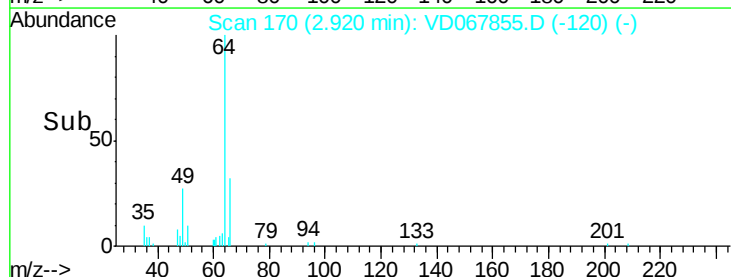
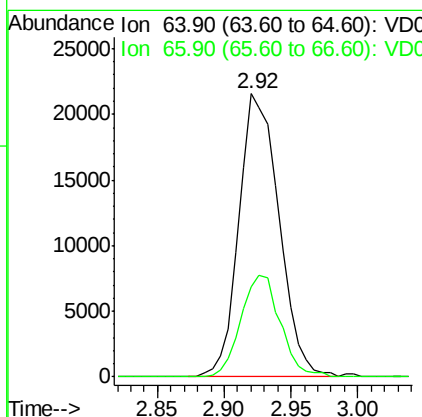
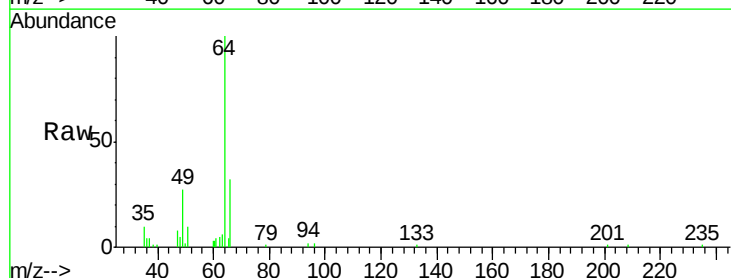
Acq: 03 Dec 2020 00:07

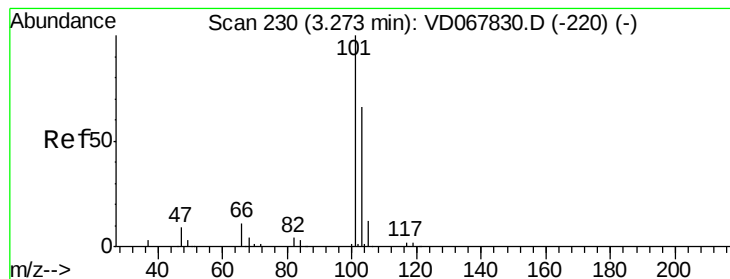
Tgt Ion: 64 Resp: 44867

Ion Ratio Lower Upper

64 100

66 32.0 26.1 39.1





#7

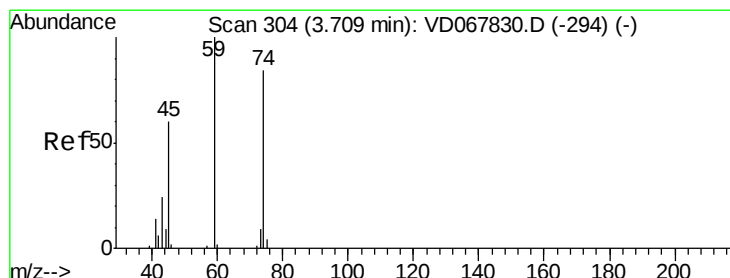
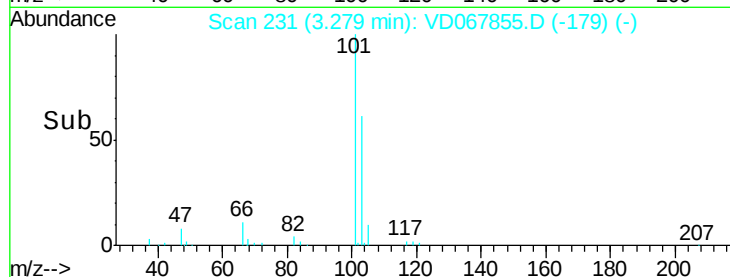
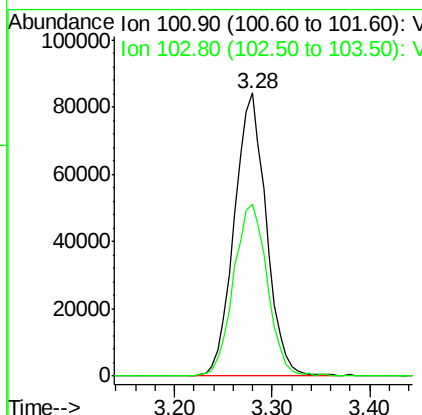
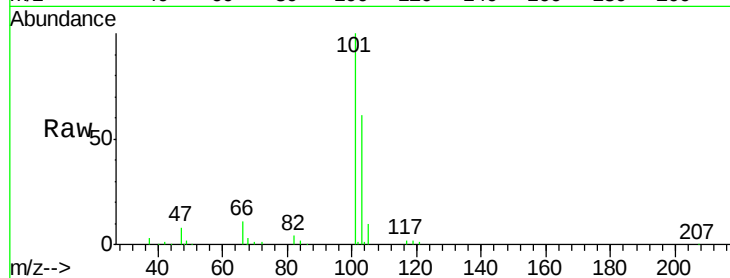
Trichlorofluoromethane
 Concen: 47.249 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.9	53.0	79.6

Manual Integrations
 APPROVED

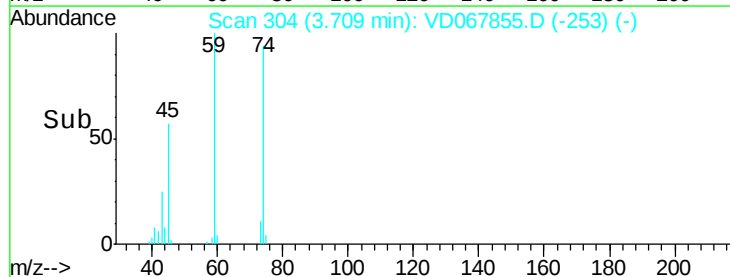
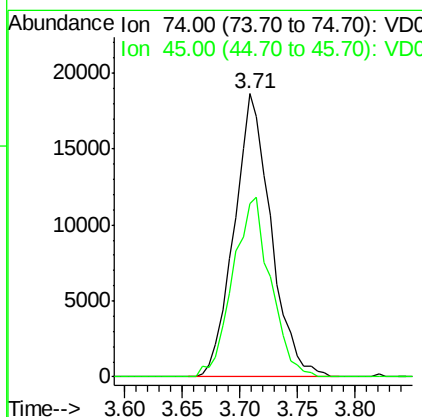
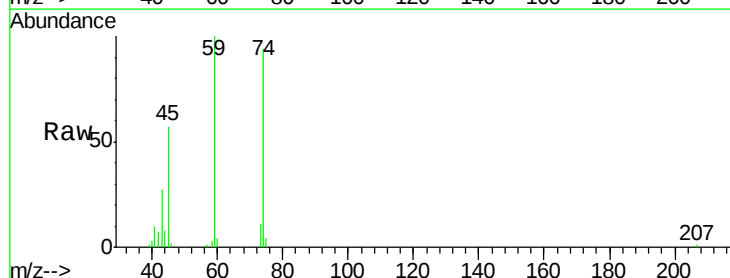
MMDadoda
 12/3/2020 9:57:03 AM

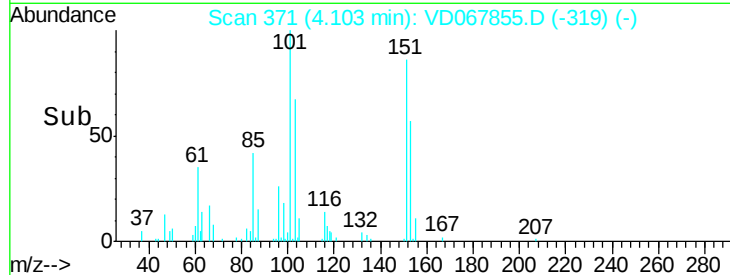
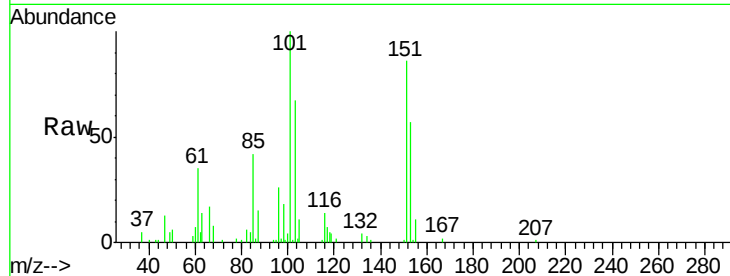
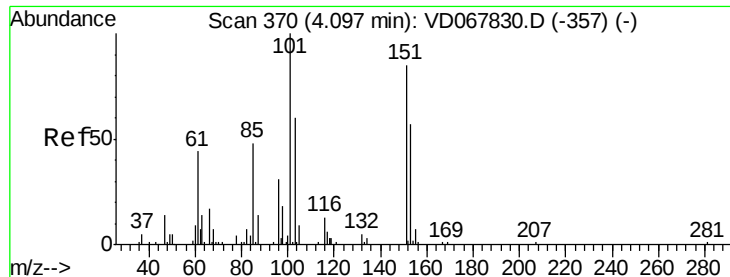


#8

Diethyl Ether
 Concen: 52.101 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	65.1	33.9	101.7





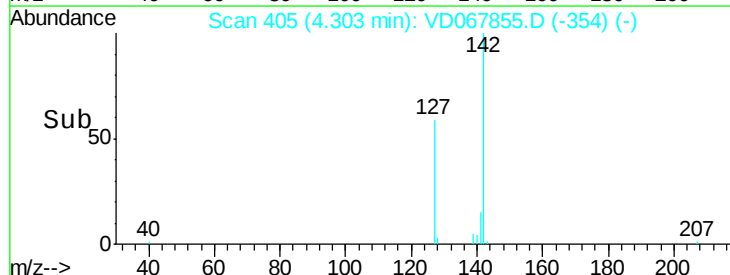
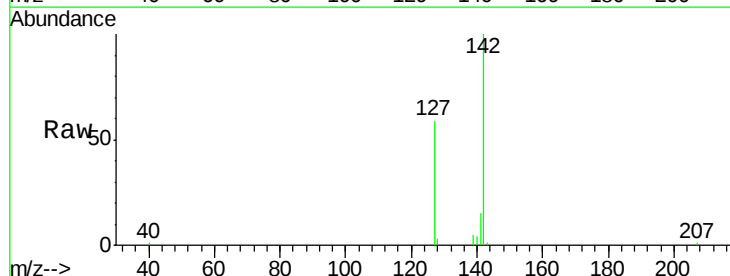
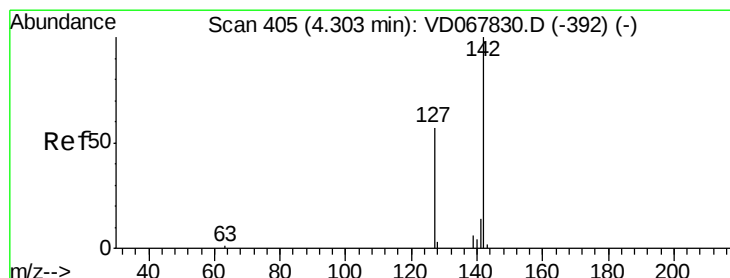
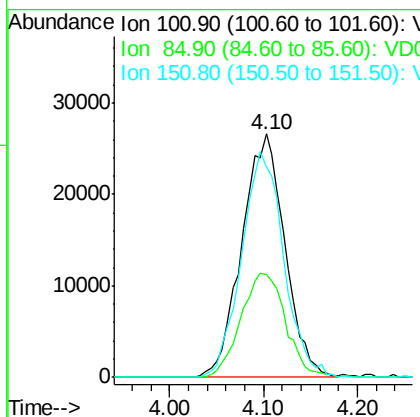
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.541 ug/l
 RT: 4.10 min Scan# 371
 Delta R.T. 0.01 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	101	Resp:	84437
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.2	54.4
151	90.9	69.4	104.2

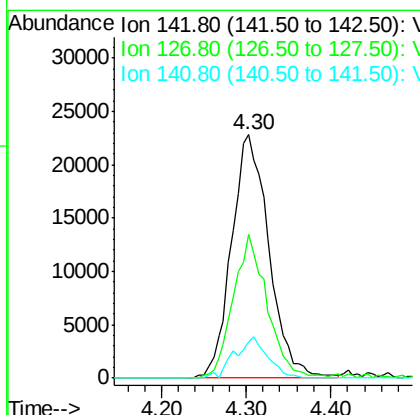
Manual Integrations
 APPROVED

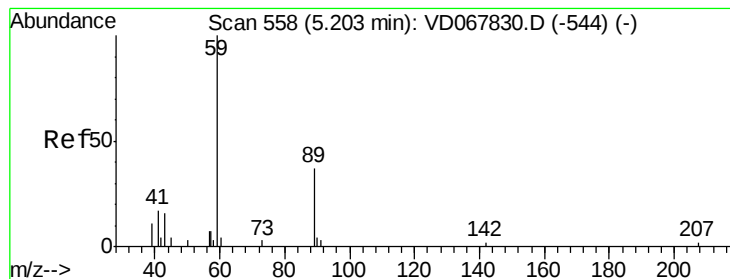
MMDadoda
 12/3/2020 9:57:03 AM



#10
 Methyl Iodide
 Concen: 35.565 ug/l
 RT: 4.30 min Scan# 405
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion:	142	Resp:	69893
Ion Ratio	Lower	Upper	
142	100		
127	53.2	43.9	65.9
141	15.0	12.2	18.2





#11

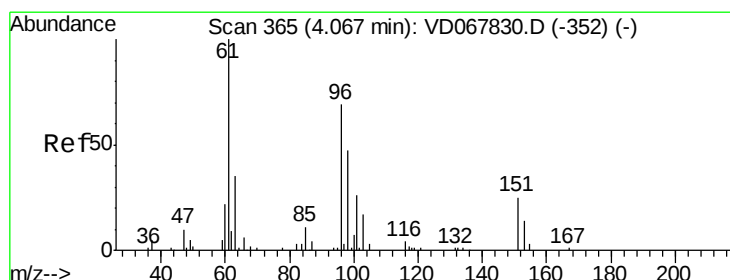
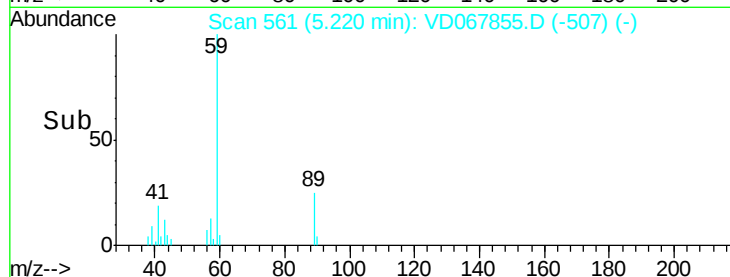
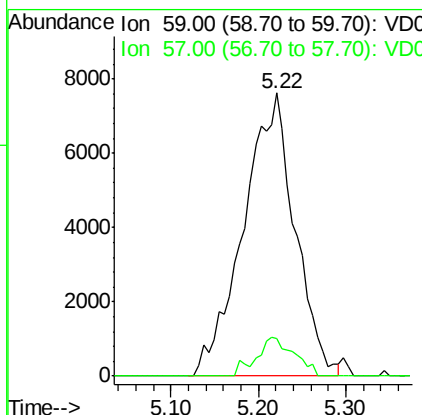
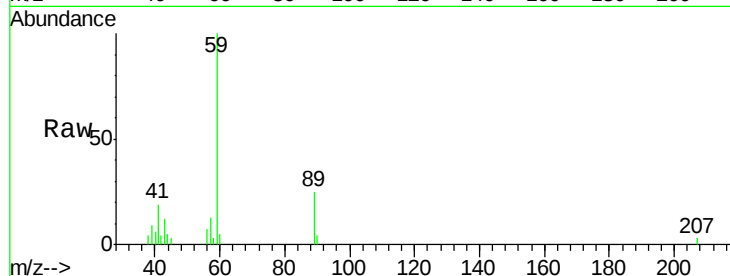
Tert butyl alcohol
 Concen: 270.339 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	30804
Ion Ratio	100	Lower	Upper
57	10.0	7.7	11.5

Manual Integrations
 APPROVED

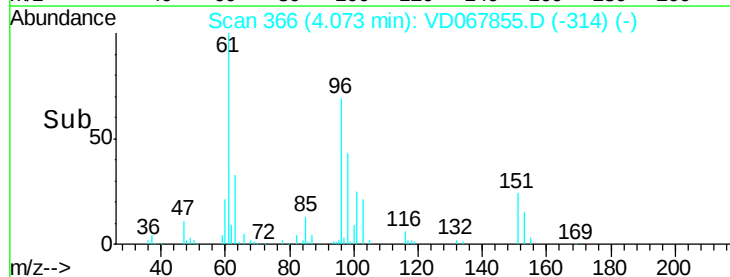
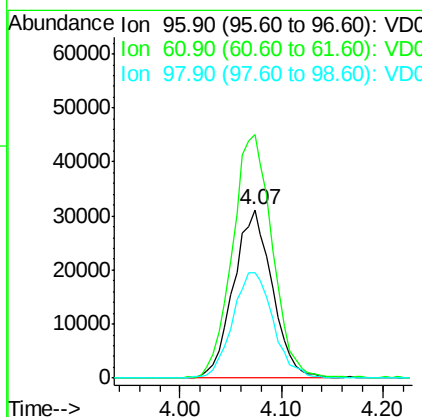
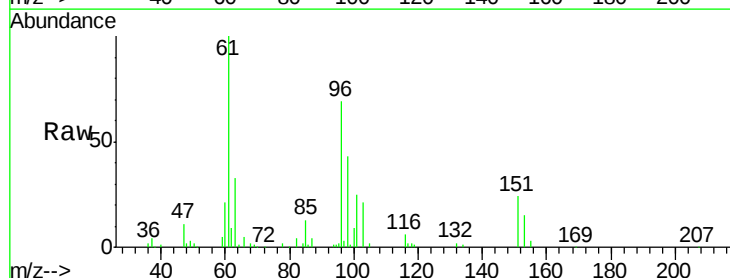
MMDadoda
 12/3/2020 9:57:03 AM

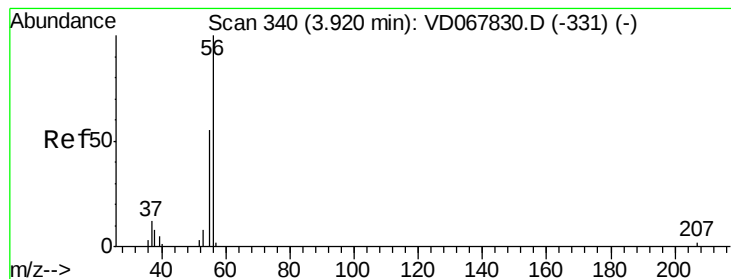


#12

1,1-Dichloroethene
 Concen: 47.463 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion	96	Resp	82617
Ion Ratio	100	Lower	Upper
61	144.1	116.1	174.1
98	62.9	54.6	82.0





#13

Acrolein

Concen: 252.745 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 21903

Ion Ratio Lower Upper

56 100

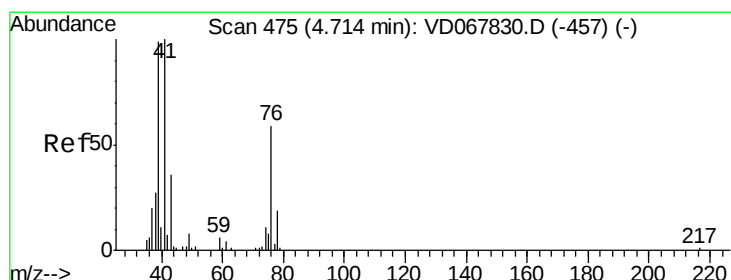
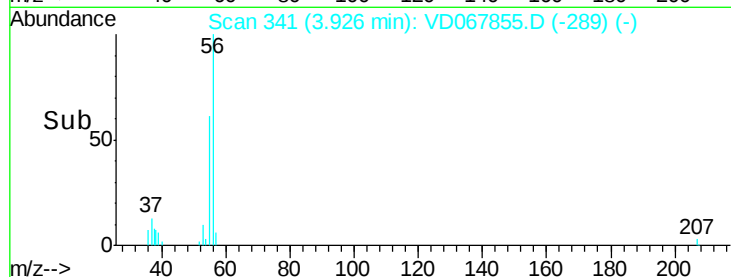
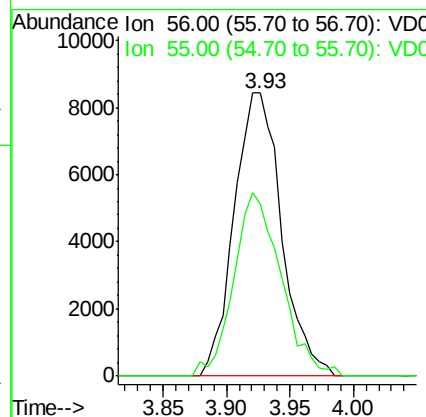
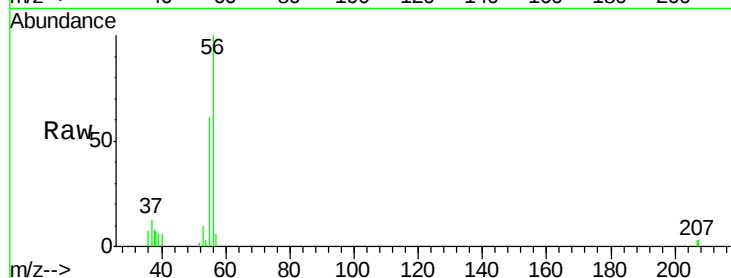
55 64.5 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

12/3/2020 9:57:03 AM



#14

Allyl chloride

Concen: 49.660 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

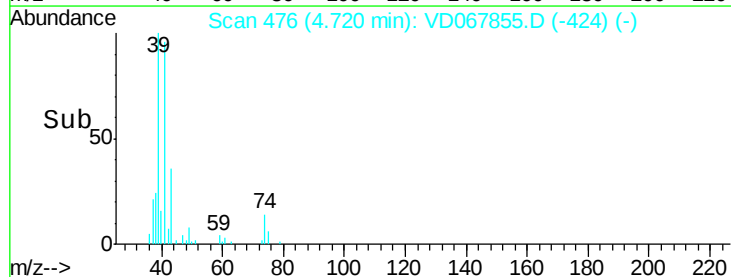
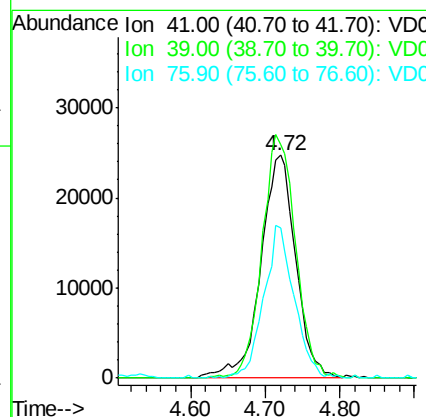
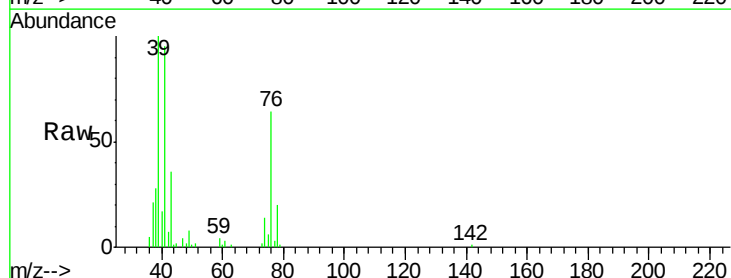
Tgt Ion: 41 Resp: 79968

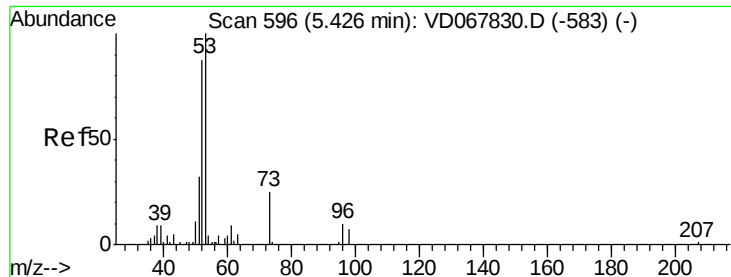
Ion Ratio Lower Upper

41 100

39 105.1 79.0 118.6

76 59.4 46.6 70.0





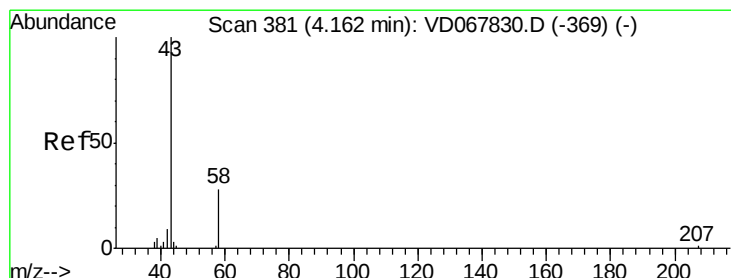
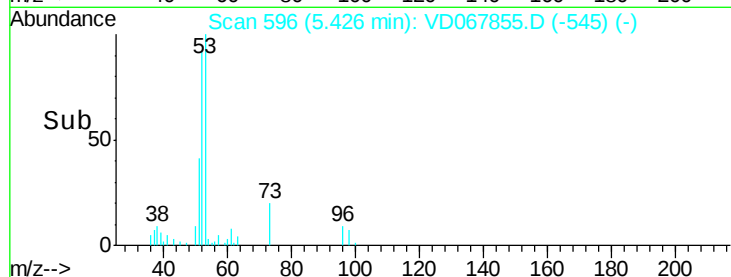
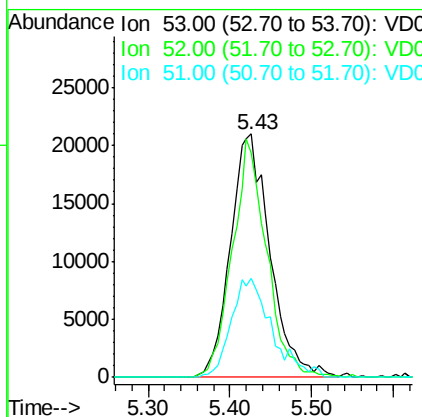
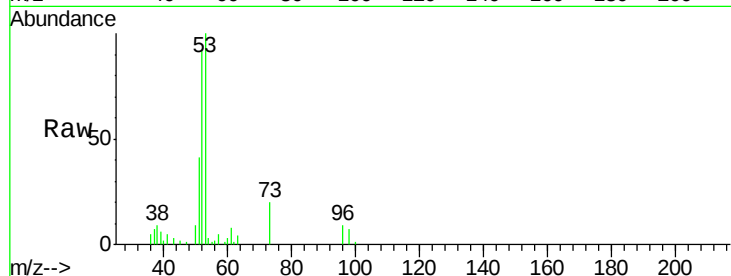
#15
 Acrylonitrile
 Concen: 258.043 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.2	99.2
51	41.6	31.1	46.7

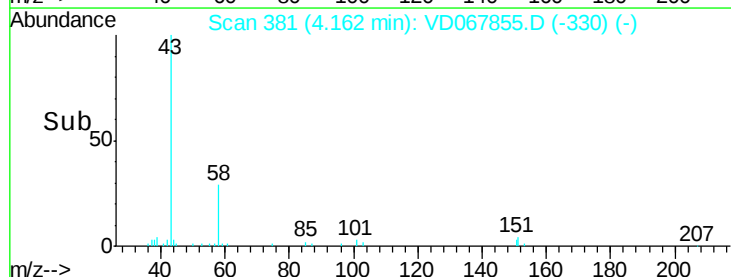
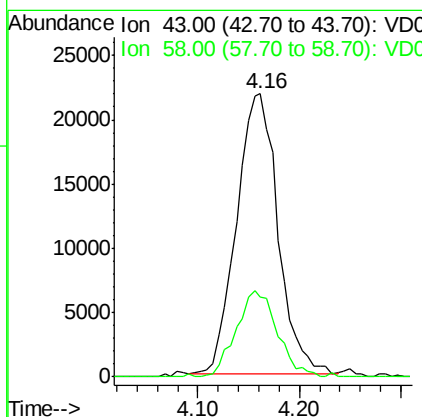
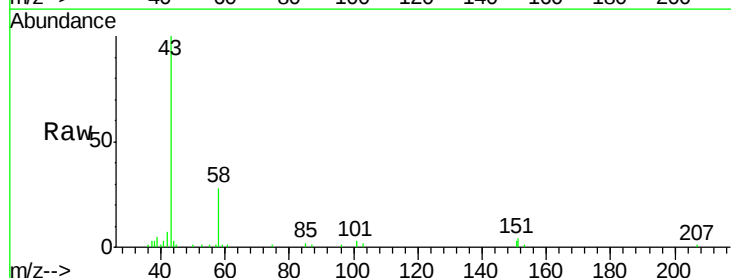
Manual Integrations
 APPROVED

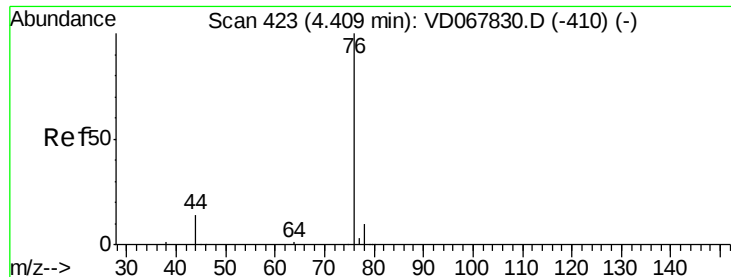
MMDadoda
 12/3/2020 9:57:03 AM



#16
 Acetone
 Concen: 222.262 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.7	21.9	32.9





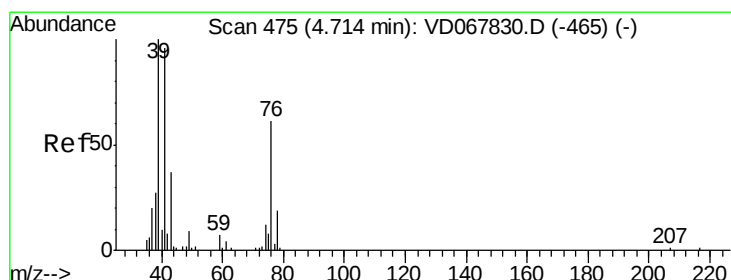
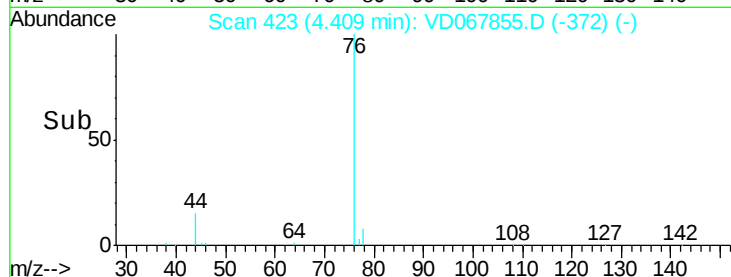
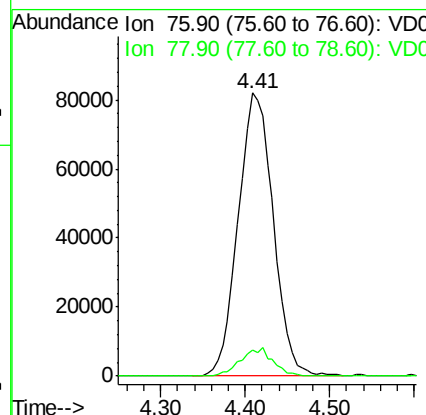
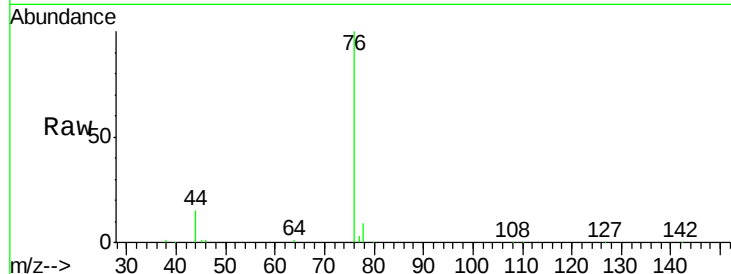
#17
Carbon Disulfide
Concen: 48.603 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.8	11.6

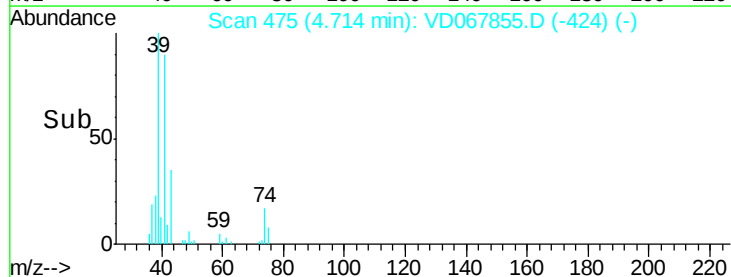
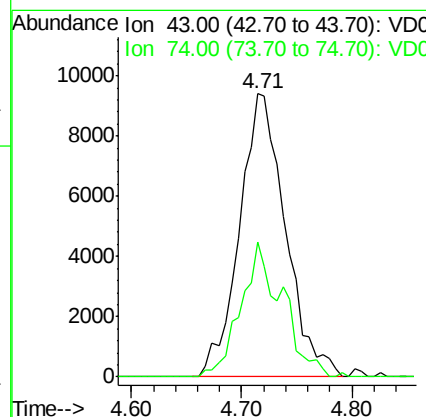
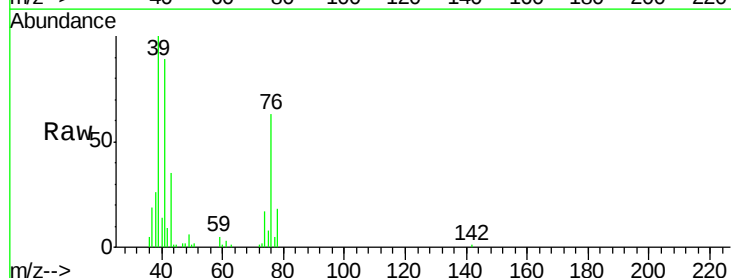
Manual Integrations
APPROVED

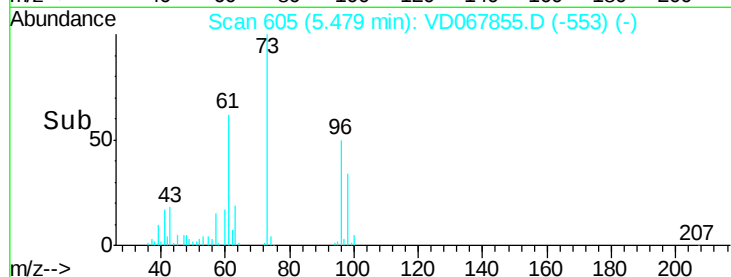
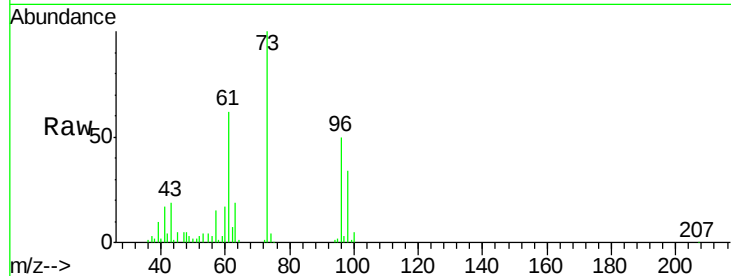
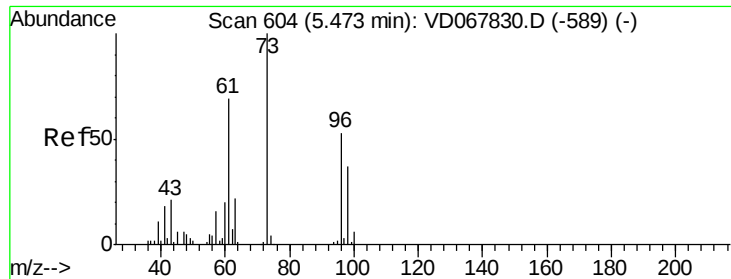
MMDadoda
12/3/2020 9:57:03 AM



#18
Methyl Acetate
Concen: 52.549 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	42.7	27.0	40.4#





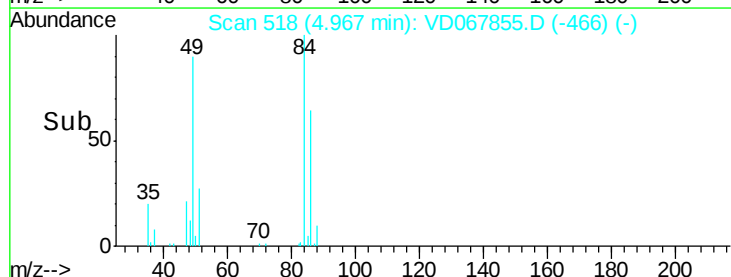
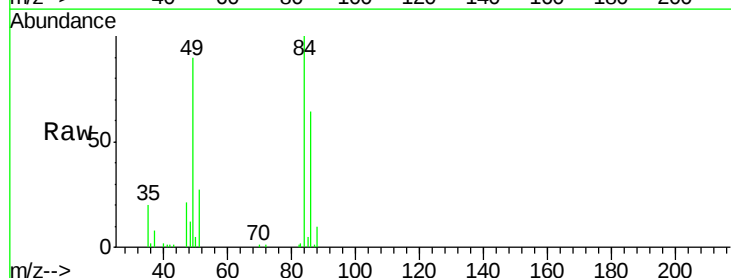
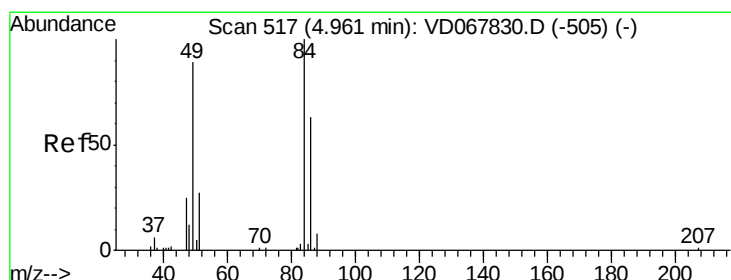
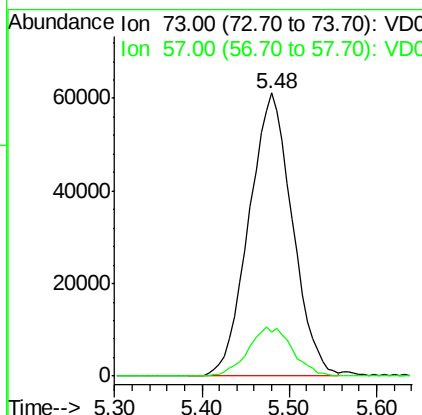
#19
Methvl tert-butvl Ether
Concen: 55.723 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tot Ion: 73 Resp: 207695
Ion Ratio Lower Upper
73 100
57 15.5 13.2 19.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

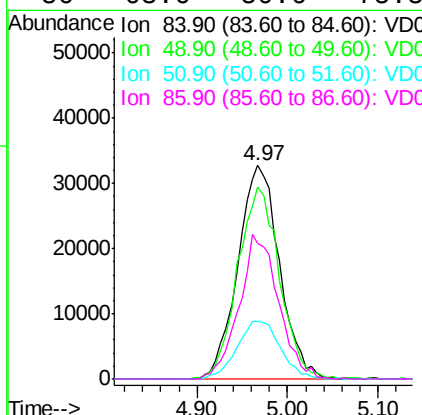
Manual Integrations
APPROVED

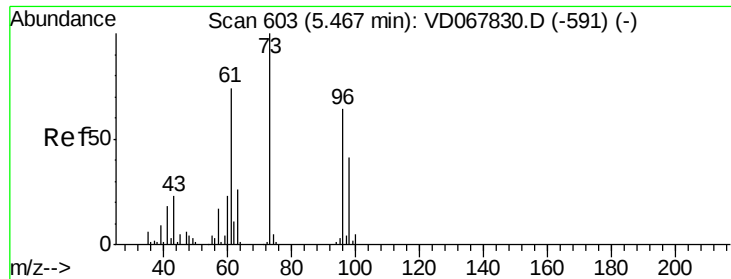
MMDadoda
12/3/2020 9:57:03 AM



#20
Methylene Chloride
Concen: 58.500 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion: 84 Resp: 104337
Ion Ratio Lower Upper
84 100
49 90.0 71.4 107.0
51 26.9 21.8 32.8
86 63.6 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 51.781 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Instrument :

MSVOA_D

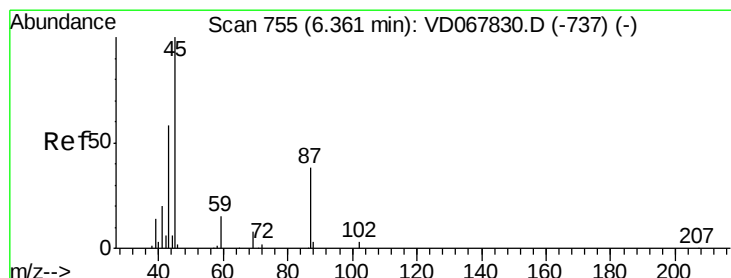
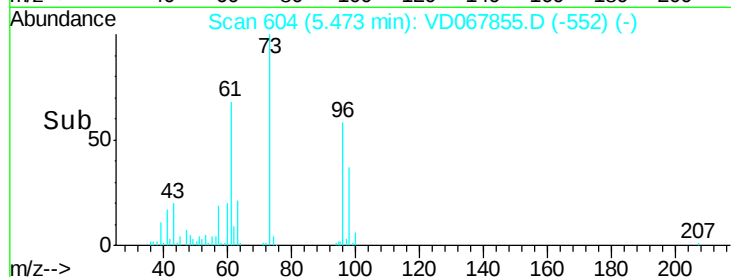
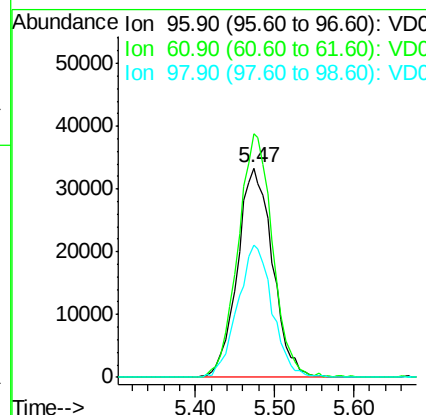
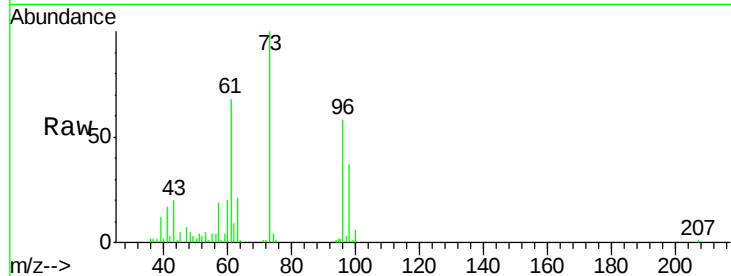
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	102566
Ion	Ratio	Lower	Upper
96	100		
61	116.3	93.1	139.7
98	63.0	52.2	78.2

Manual Integrations
APPROVED

MMDadoda
12/3/2020 9:57:03 AM



#22

Diisopropyl ether

Concen: 52.722 ug/l

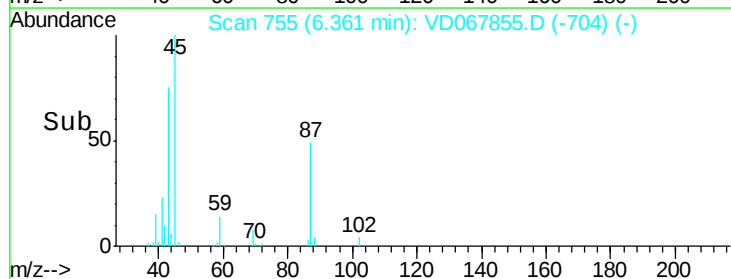
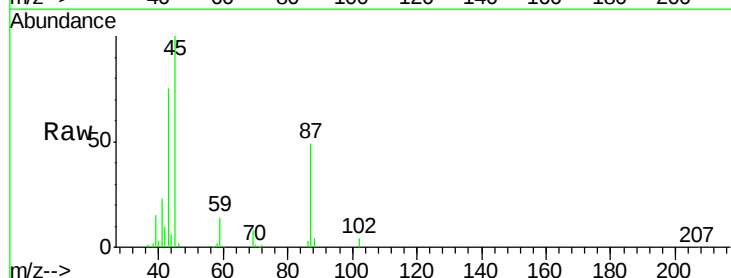
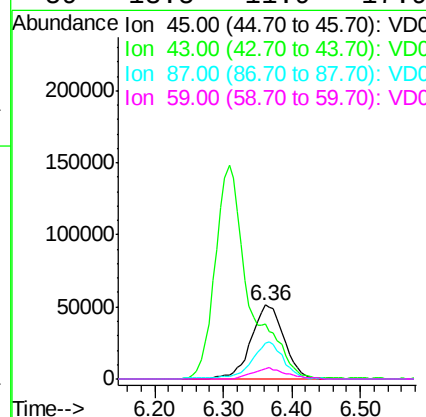
RT: 6.36 min Scan# 755

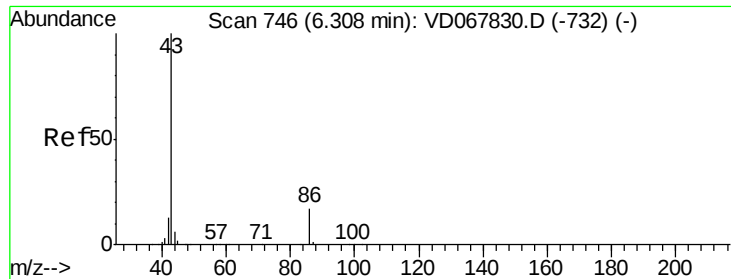
Delta R.T. 0.00 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Tgt Ion:	45	Resp:	170753
Ion	Ratio	Lower	Upper
45	100		
43	73.7	49.8	74.6
87	49.1	32.1	48.1#
59	13.5	11.9	17.9





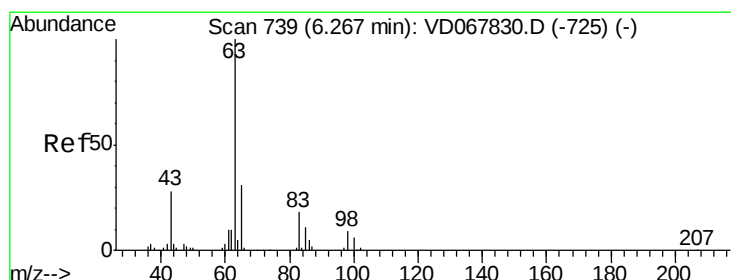
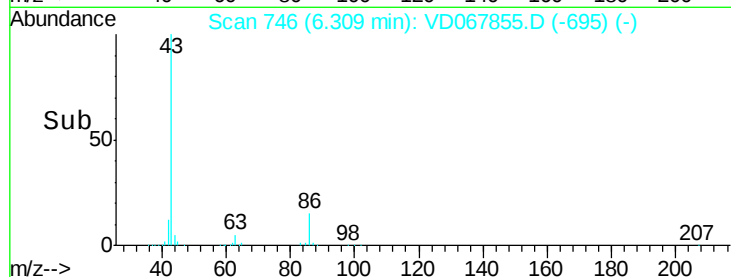
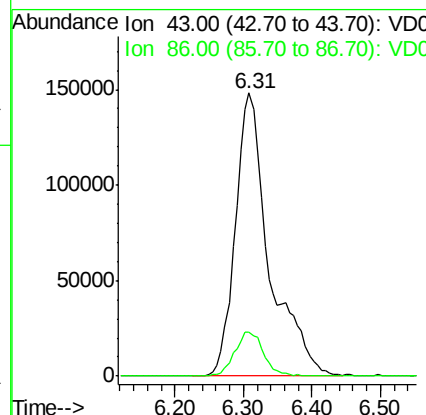
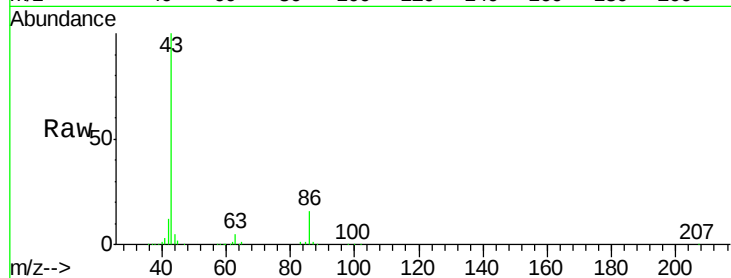
#23
 Vinyl Acetate
 Concen: 281.813 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 507760
 Ion Ratio Lower Upper
 43 100
 86 15.5 13.8 20.6

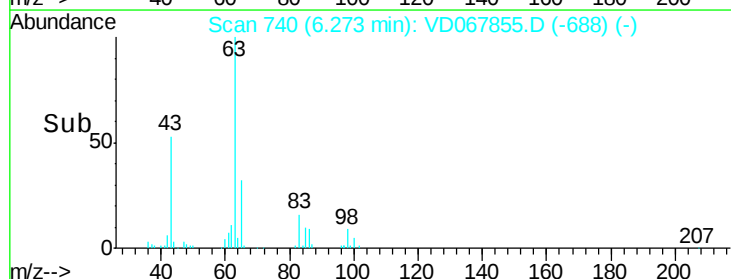
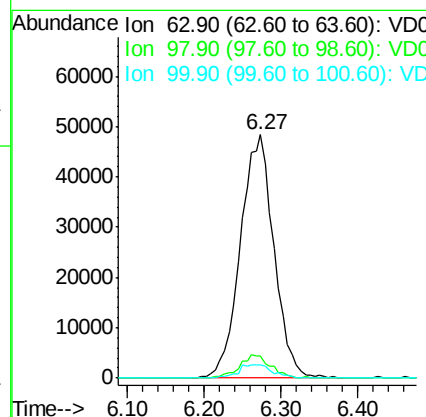
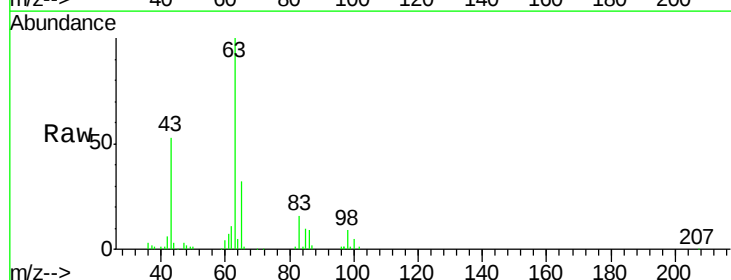
Manual Integrations
 APPROVED

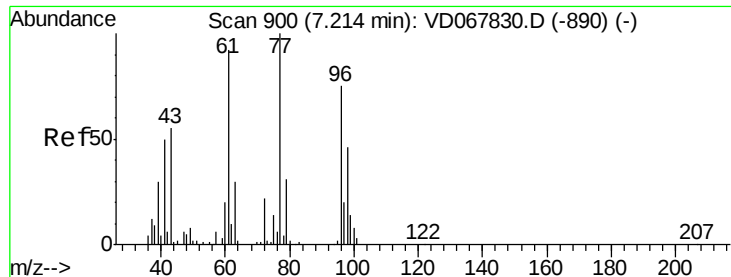
MMDadoda
 12/3/2020 9:57:03 AM



#24
 1,1-Dichloroethane
 Concen: 51.818 ug/l
 RT: 6.27 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion: 63 Resp: 147115
 Ion Ratio Lower Upper
 63 100
 98 8.8 4.5 13.5
 100 5.4 3.0 9.2





#25

2-Butanone

Concen: 258.385 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 75732

Ion Ratio Lower Upper

43 100

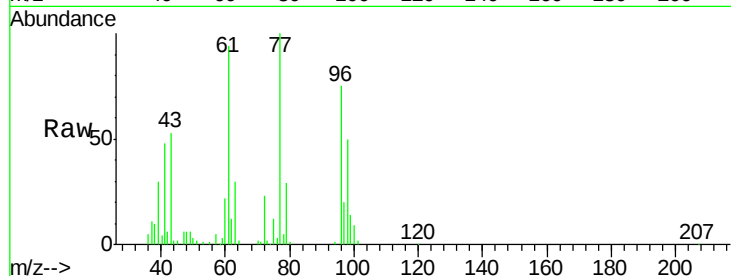
72 43.4 31.3 46.9

Manual Integrations

APPROVED

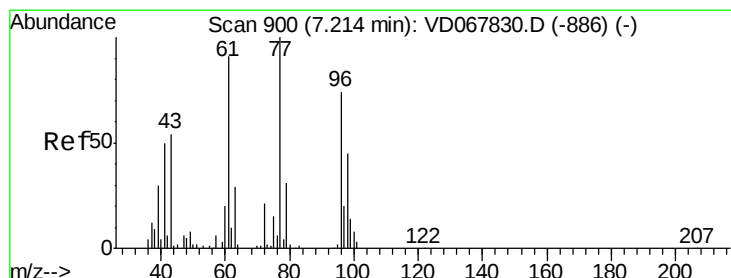
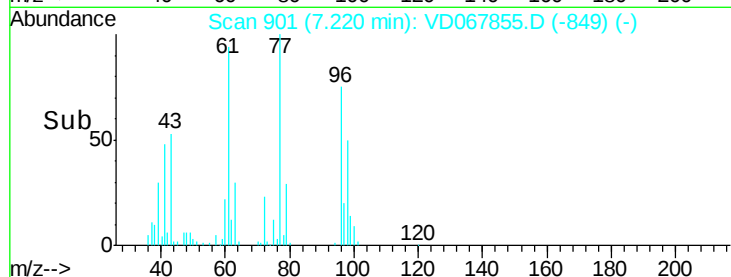
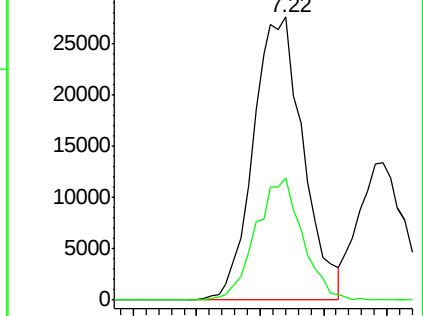
MMDadoda

12/3/2020 9:57:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.746 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067855.D

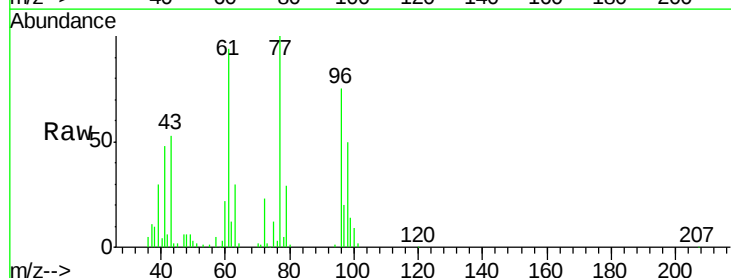
Acq: 03 Dec 2020 00:07

Tgt Ion: 77 Resp: 158259

Ion Ratio Lower Upper

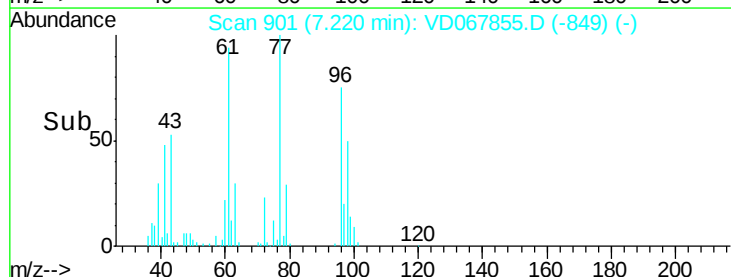
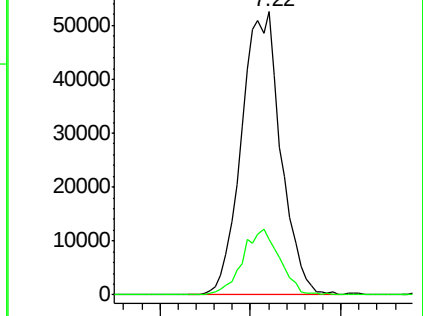
77 100

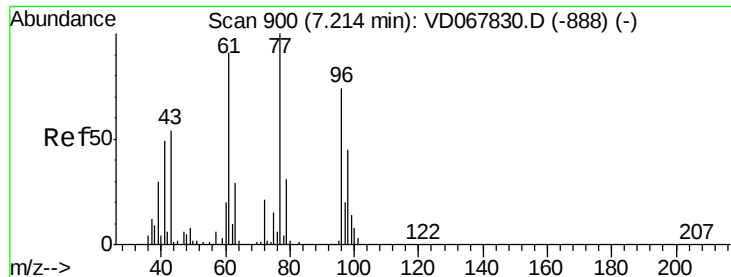
97 21.9 11.1 33.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

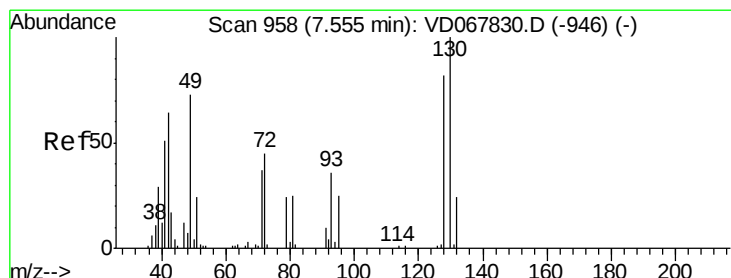
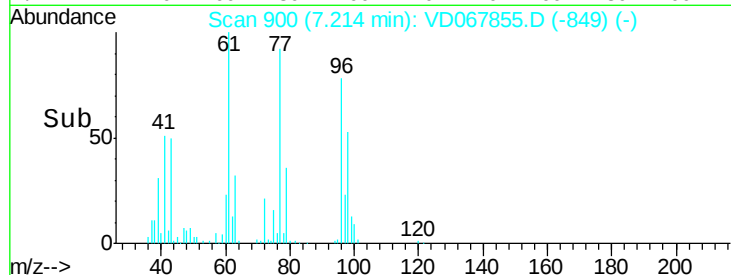
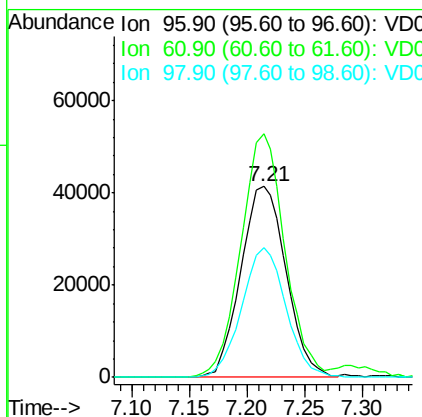
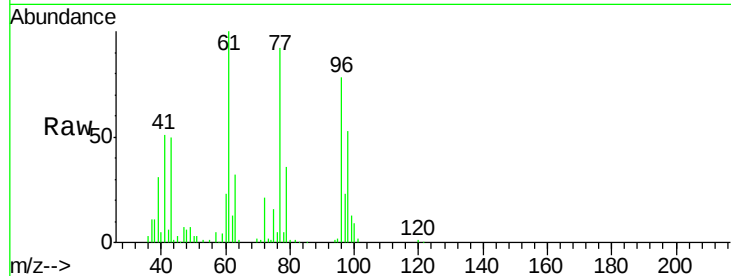
cis-1,2-Dichloroethene
 Concen: 52.317 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	248.4
98	66.2	0.0	127.4

Manual Integrations
 APPROVED

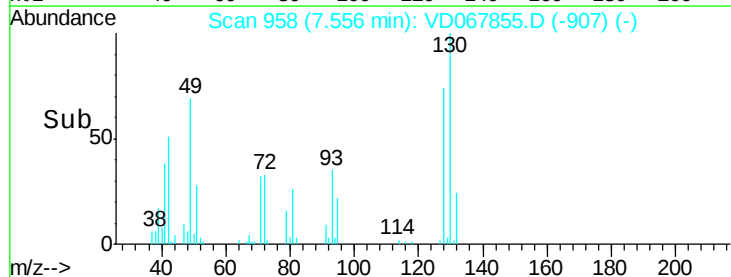
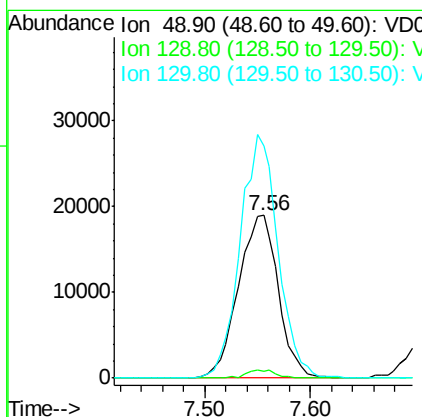
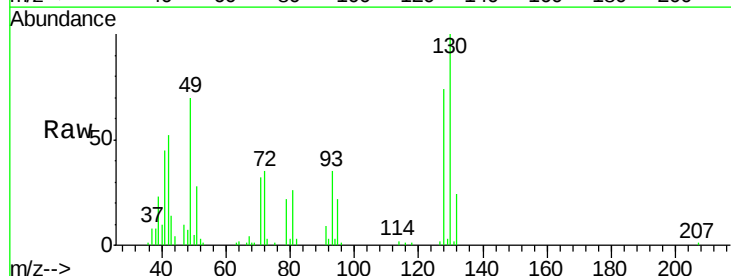
MMDadoda
 12/3/2020 9:57:03 AM

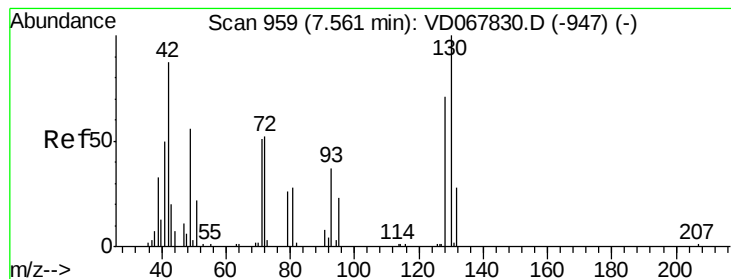


#28

Bromochloromethane
 Concen: 55.214 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.5	0.0	3.4#
130	142.0	110.2	165.2





#29

Tetrahydrofuran

Concen: 257.314 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Instrument :

MSVOA_D

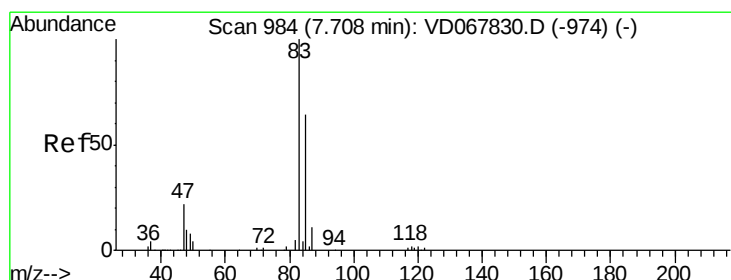
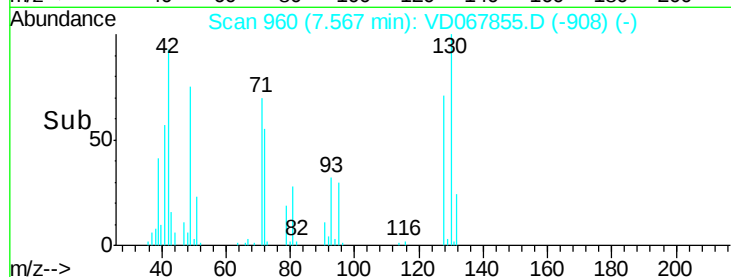
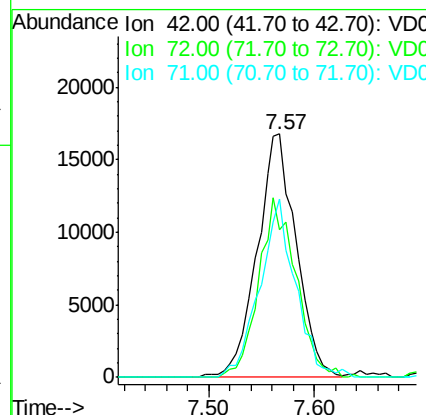
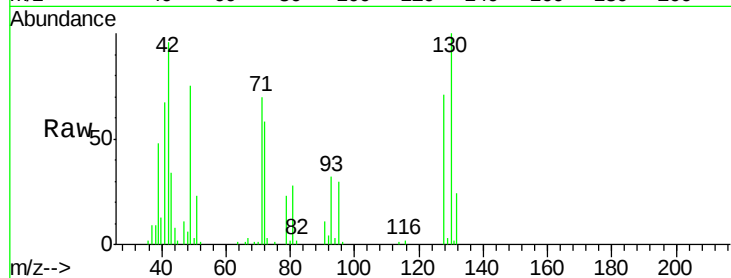
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	42942
Ion	Ratio	Lower	Upper
42	100		
72	70.6	51.9	77.9
71	67.4	48.2	72.4

Manual Integrations
APPROVED

MMDadoda
12/3/2020 9:57:03 AM



#30

Chloroform

Concen: 52.253 ug/l

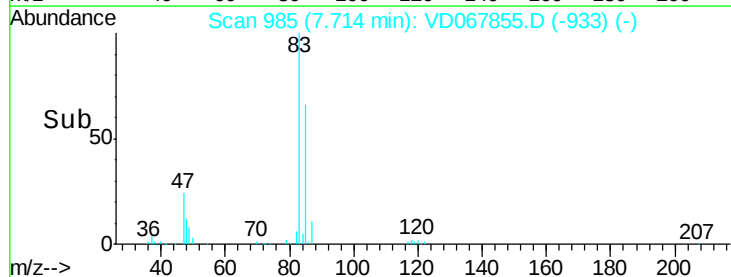
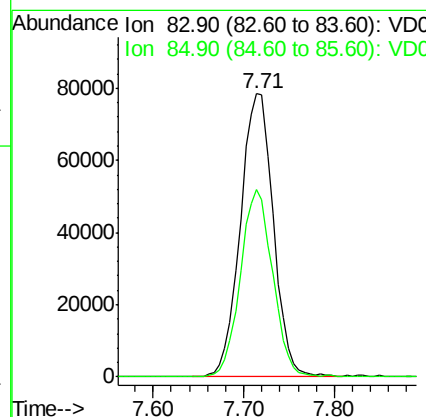
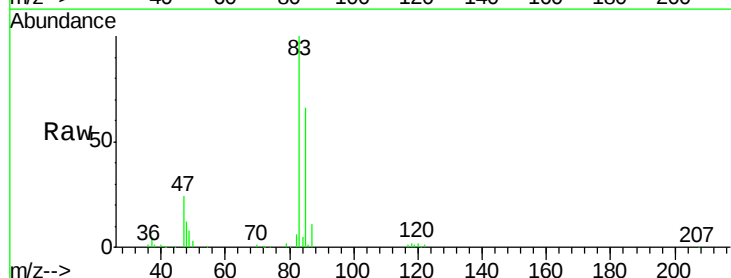
RT: 7.71 min Scan# 985

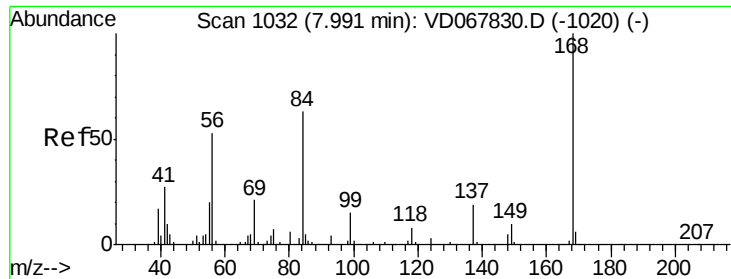
Delta R.T. 0.01 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Tgt Ion:	83	Resp:	198254
Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.0	76.4





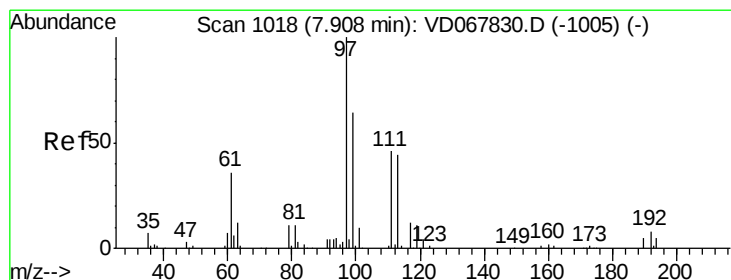
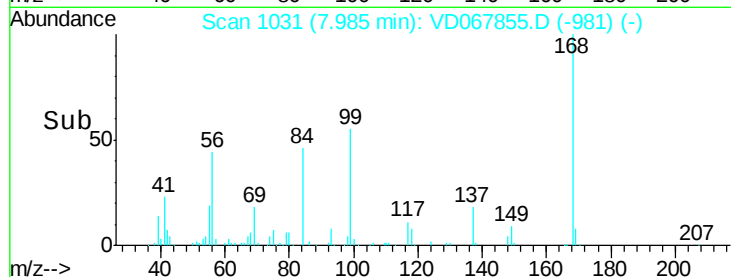
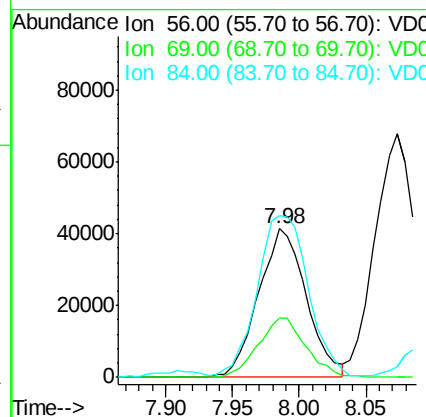
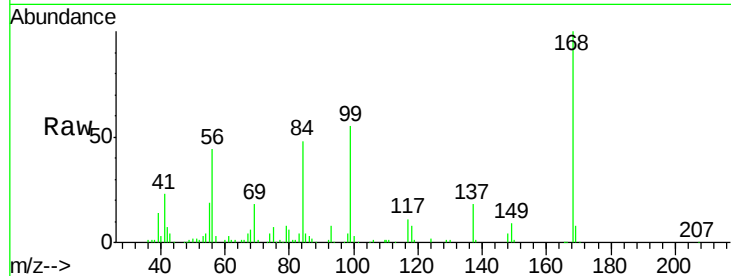
#31
Cyclohexane
Concen: 43.329 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.4	32.1	48.1
84	105.6	93.2	139.8

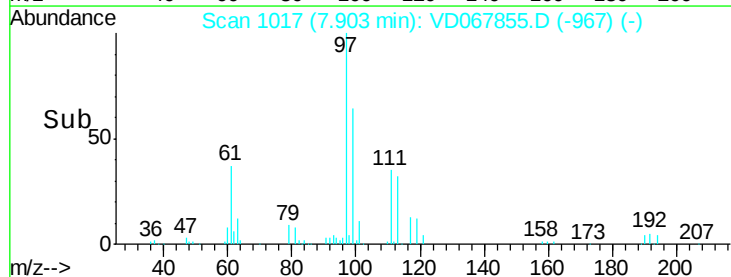
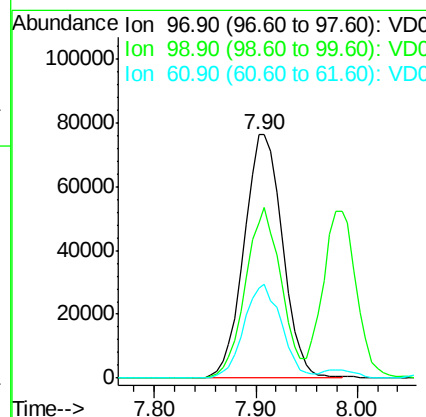
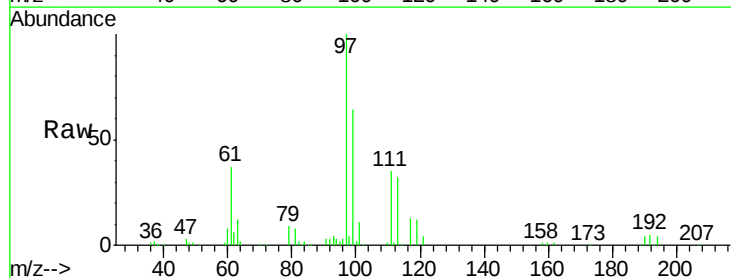
Manual Integrations
APPROVED

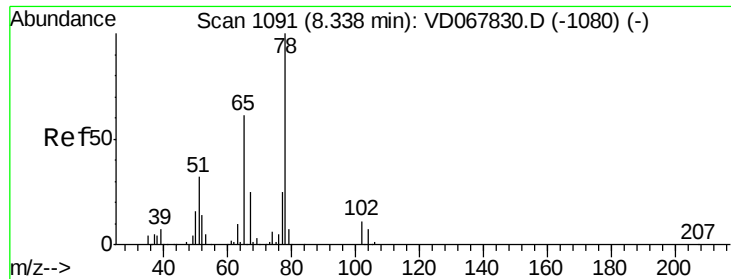
MMDadoda
12/3/2020 9:57:03 AM



#32
1,1,1-Trichloroethane
Concen: 50.242 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.4	77.2
61	37.4	30.8	46.2





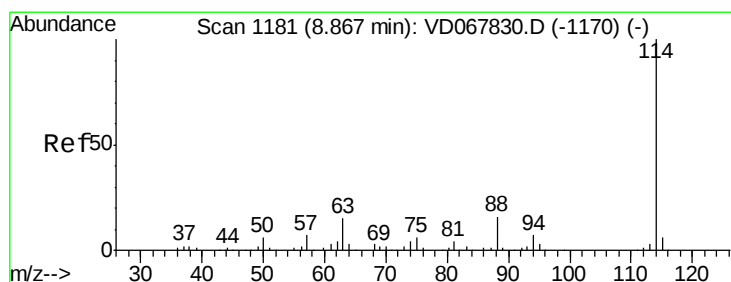
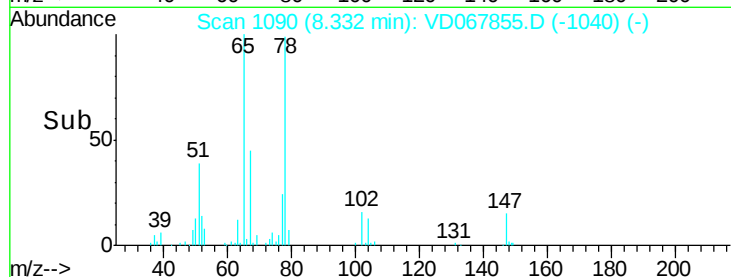
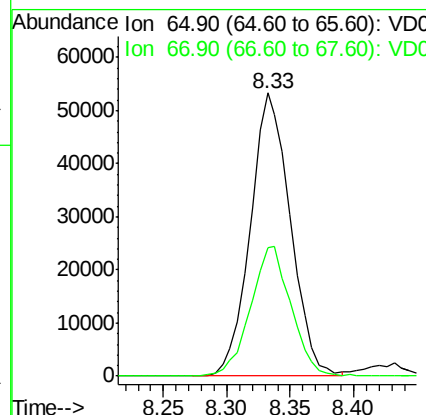
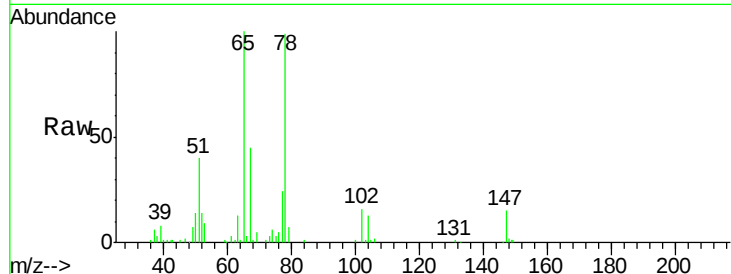
#33
 1,2-Dichloroethane-d4
 Concen: 51.849 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	46.7	0.0	92.0

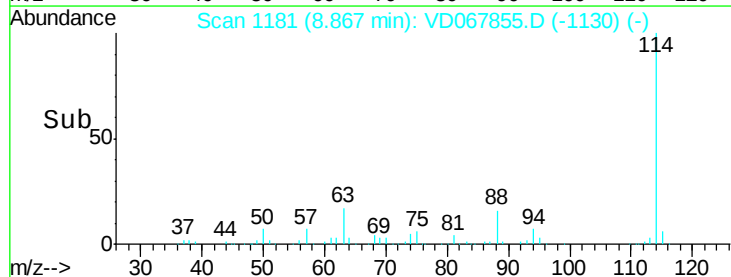
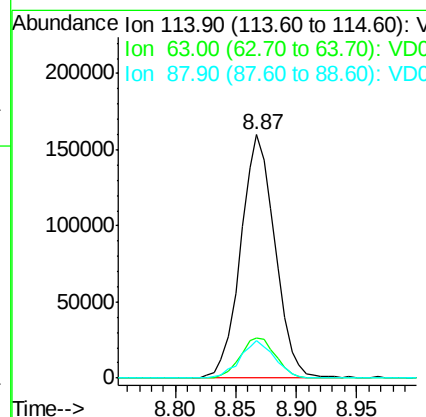
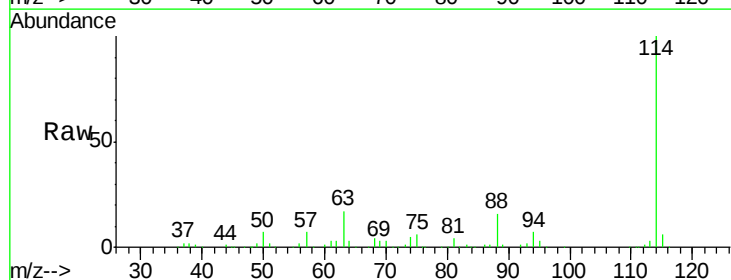
Manual Integrations
 APPROVED

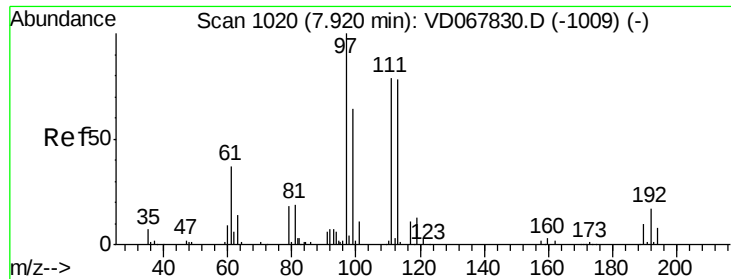
MMDadoda
 12/3/2020 9:57:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	30.8
88	15.6	0.0	31.8





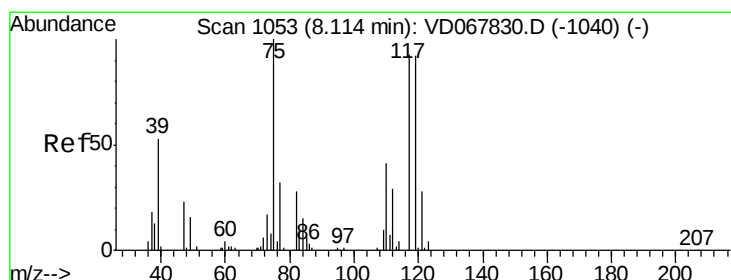
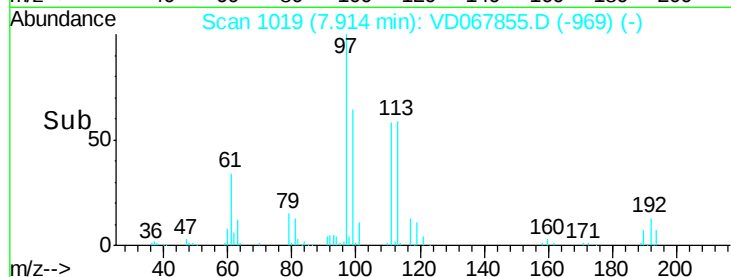
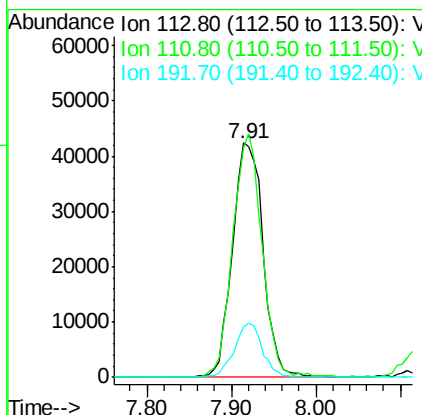
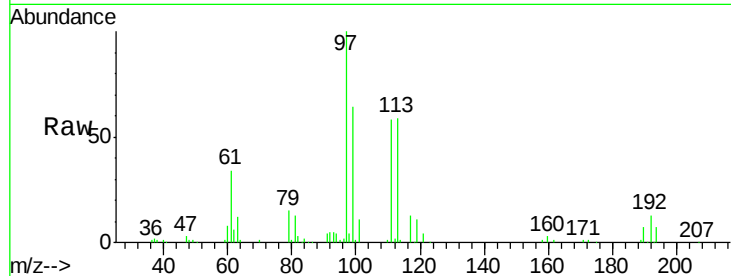
#35
 Dibromofluoromethane
 Concen: 49.808 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	105700		
111	98.3	81.2	121.8	
192	21.0	16.8	25.2	

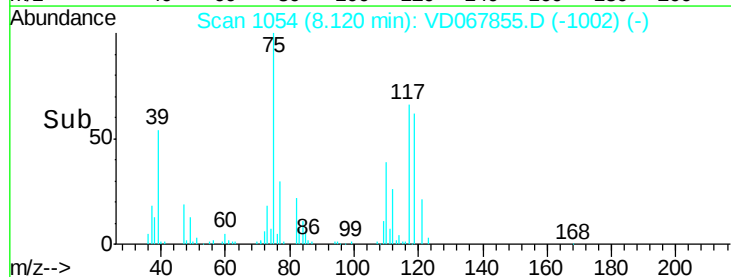
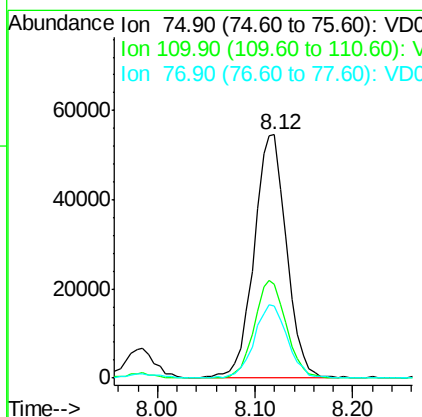
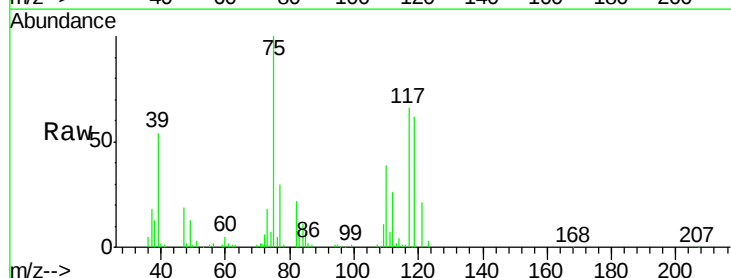
Manual Integrations
 APPROVED

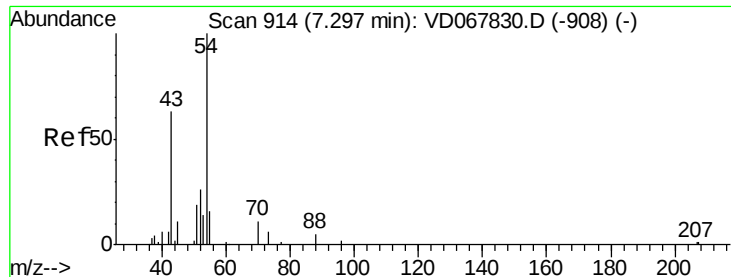
MMDadoda
 12/3/2020 9:57:03 AM



#36
 1,1-Dichloropropene
 Concen: 46.516 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	127710		
110	39.4	20.3	61.0	
77	30.6	24.7	37.1	





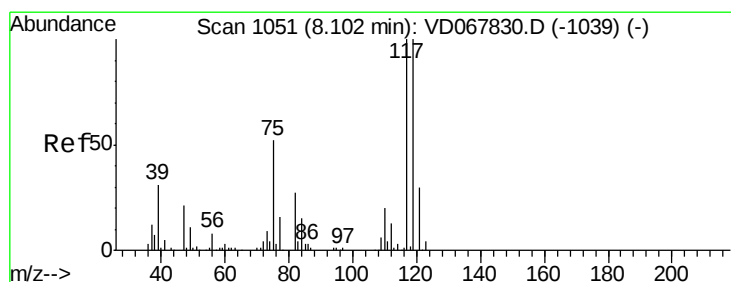
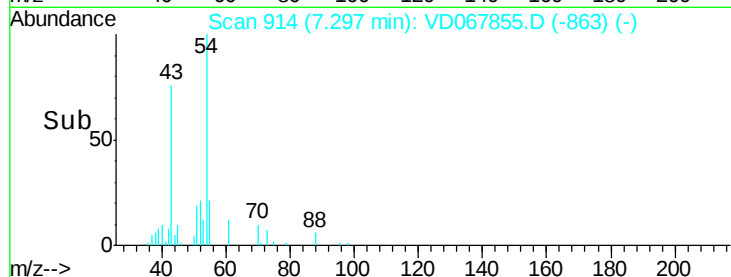
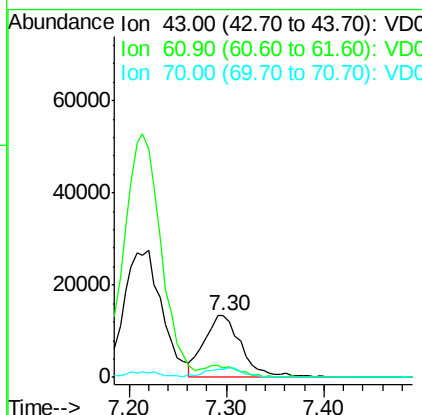
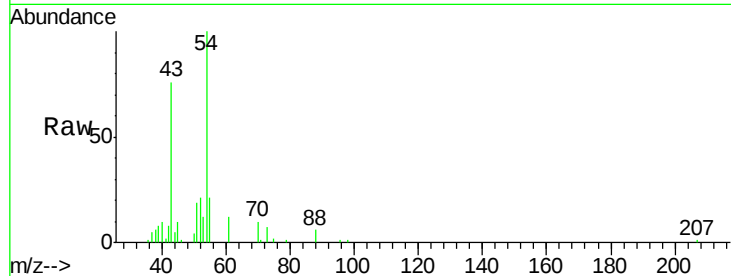
#37
Ethyl Acetate
Concen: 48.391 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.1	11.4	17.2
70	14.9	11.5	17.3

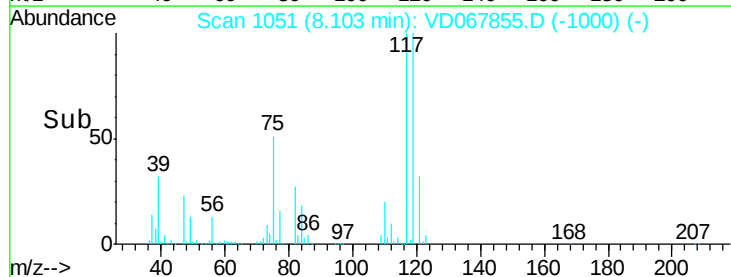
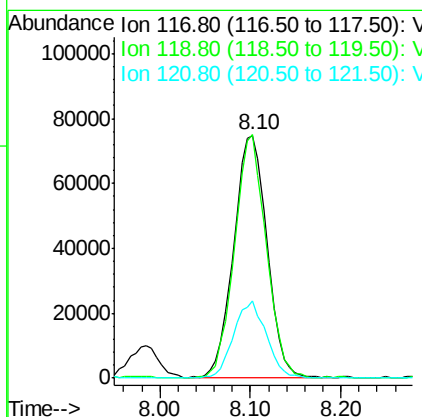
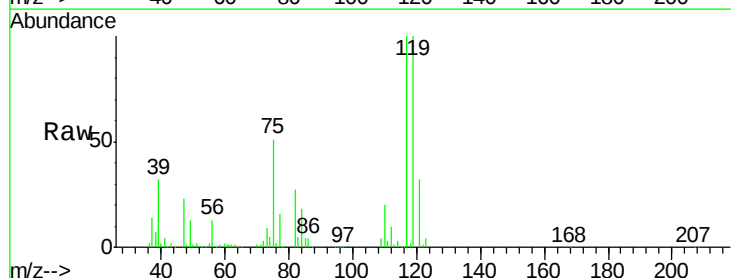
Manual Integrations
APPROVED

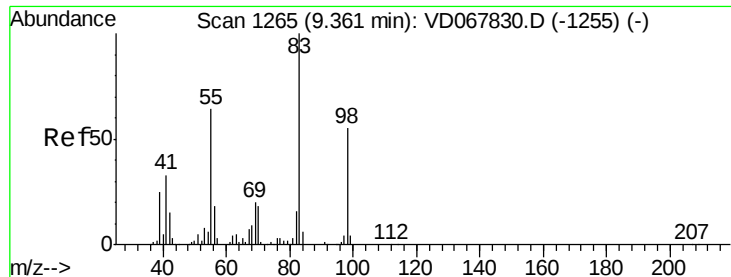
MMDadoda
12/3/2020 9:57:03 AM



#38
Carbon Tetrachloride
Concen: 45.920 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.5	79.7	119.5
121	31.8	23.8	35.6





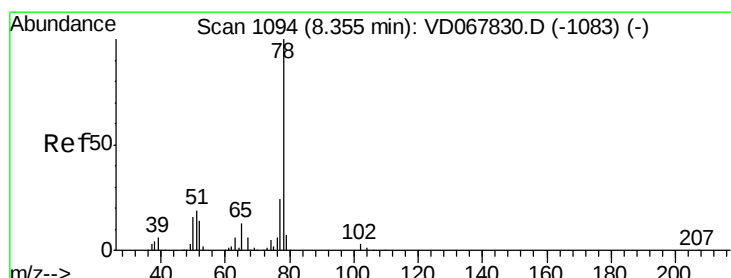
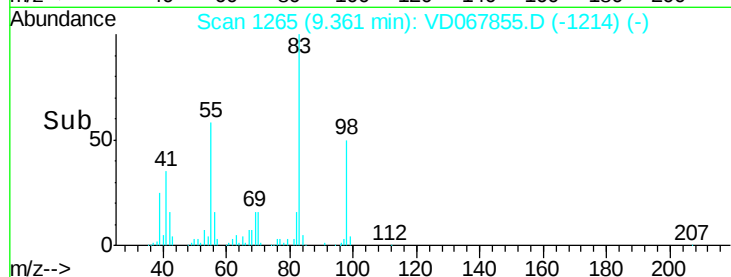
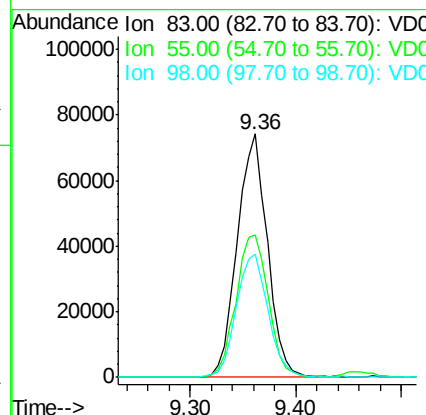
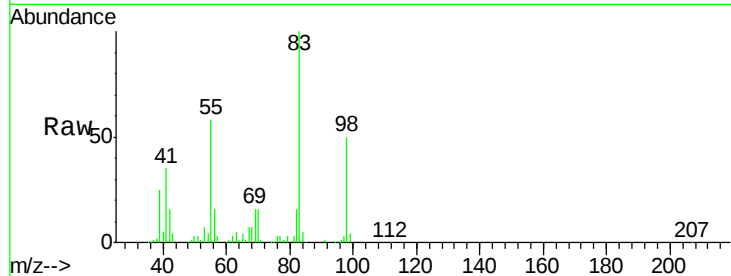
#39
Methvlcvclohexane
Concen: 45.151 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	58.4	51.6	77.4
98	50.4	44.3	66.5

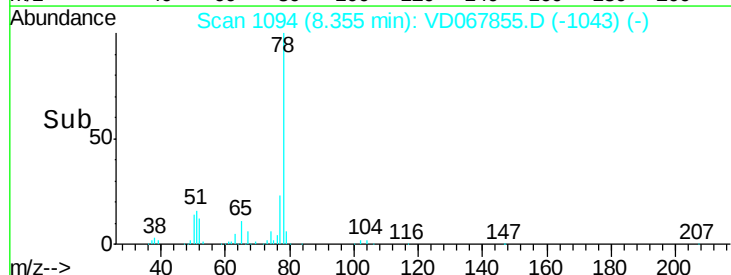
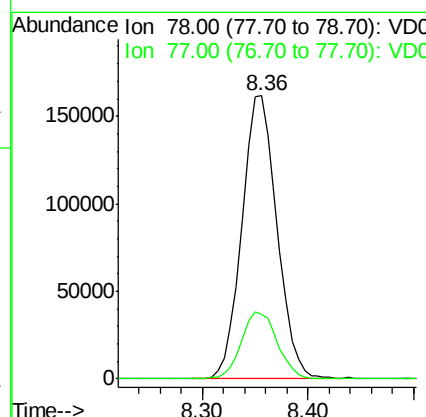
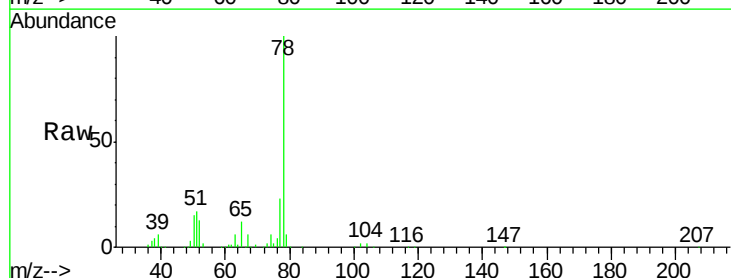
Manual Integrations
APPROVED

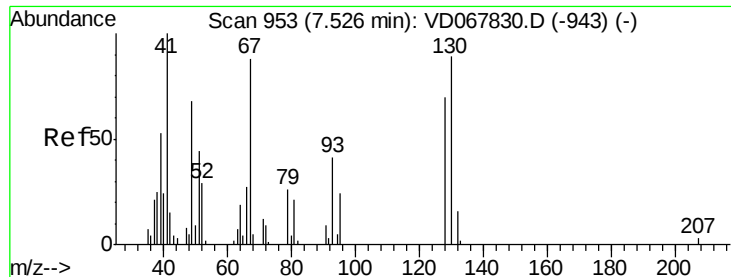
MMDadoda
12/3/2020 9:57:03 AM



#40
Benzene
Concen: 49.684 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.1	28.7





#41

Methacrylonitrile

Concen: 57.047 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 19824

Ion Ratio Lower Upper

41 100

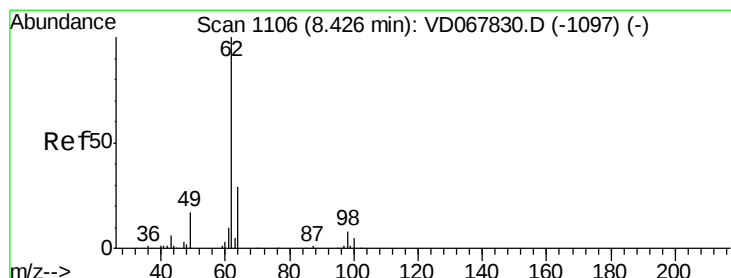
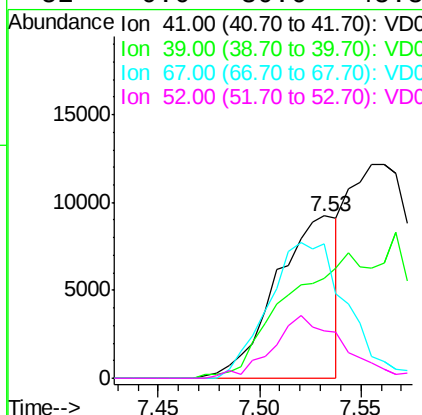
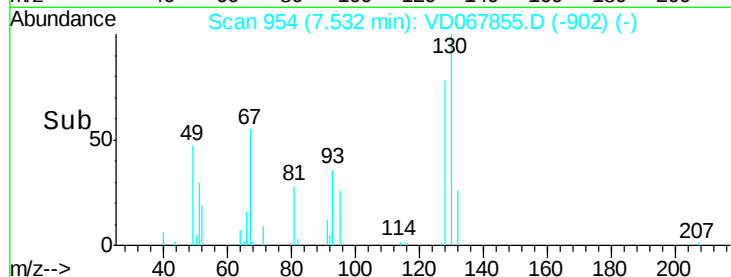
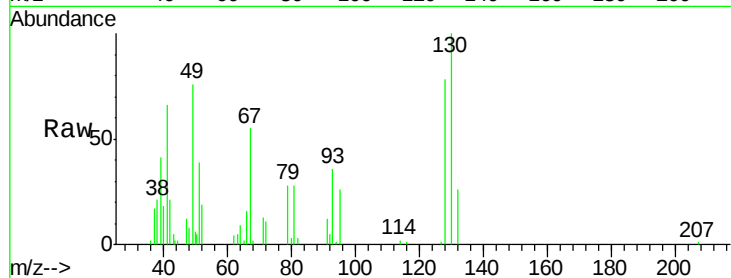
39 103.3 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#

Manual Integrations
APPROVED

MMDadoda
12/3/2020 9:57:03 AM



#42

1,2-Dichloroethane

Concen: 51.283 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067855.D

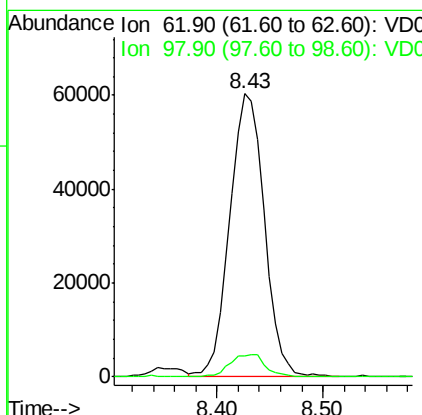
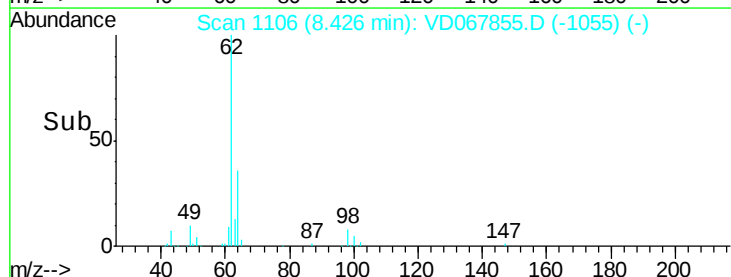
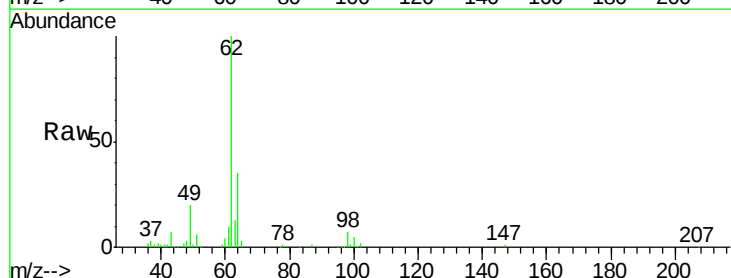
Acq: 03 Dec 2020 00:07

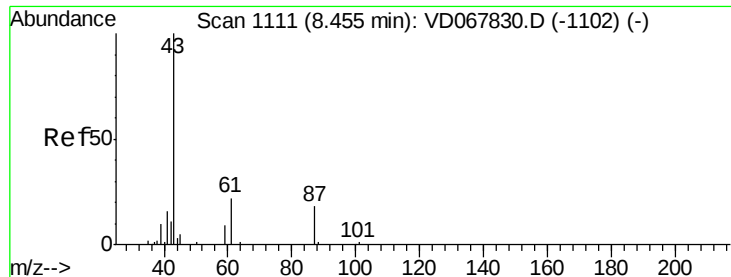
Tgt Ion: 62 Resp: 137308

Ion Ratio Lower Upper

62 100

98 8.0 0.0 17.2





#43

Isopropyl Acetate

Concen: 49.499 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Instrument :

MSVOA_D

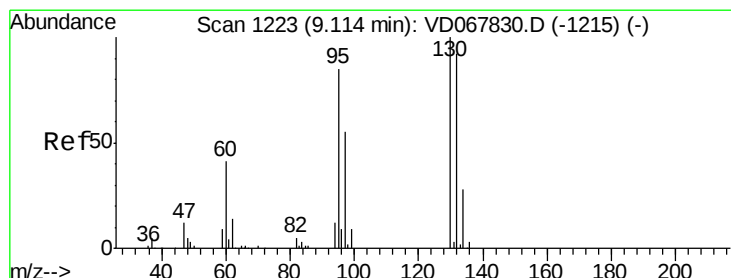
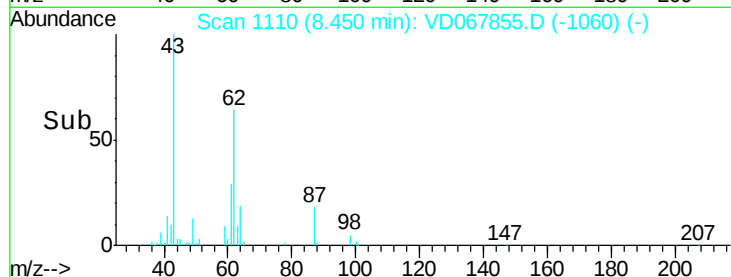
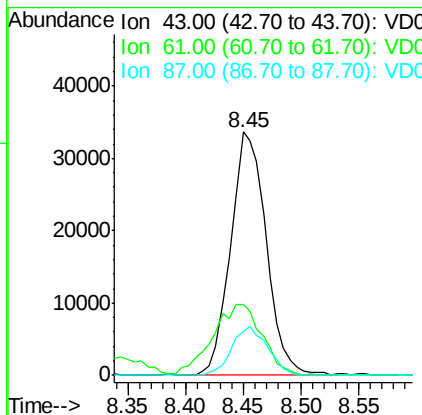
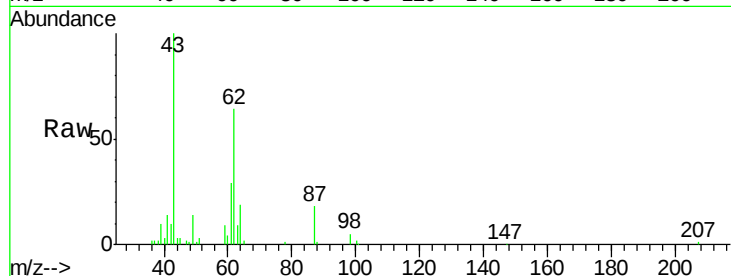
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	72067
Ion	Ratio	Lower	Upper
43	100		
61	40.5	30.4	45.6
87	19.9	16.2	24.2

Manual Integrations
APPROVED

MMDadoda
12/3/2020 9:57:03 AM



#44

Trichloroethene

Concen: 47.477 ug/l

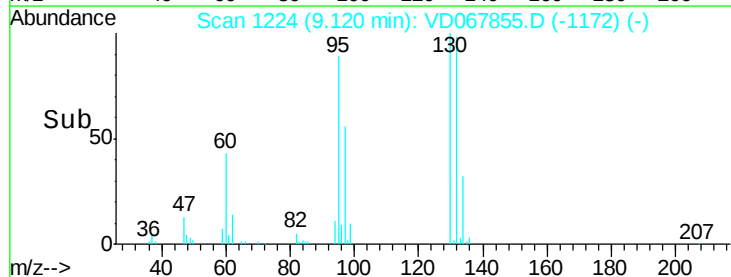
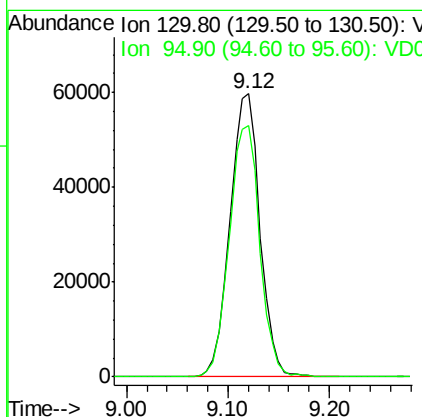
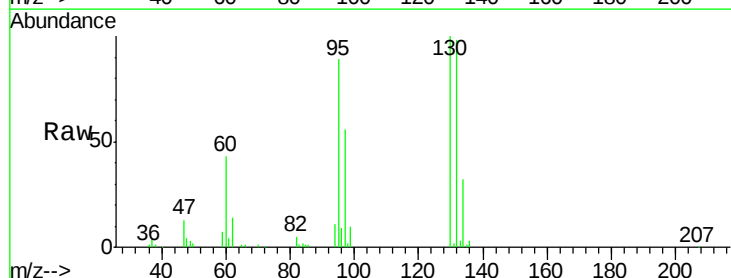
RT: 9.12 min Scan# 1224

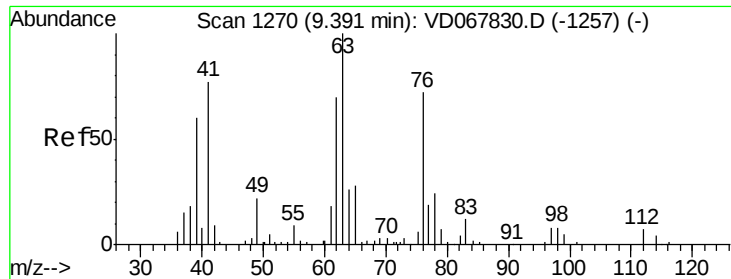
Delta R.T. 0.01 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Tgt Ion:	130	Resp:	122627
Ion	Ratio	Lower	Upper
130	100		
95	88.7	0.0	170.2





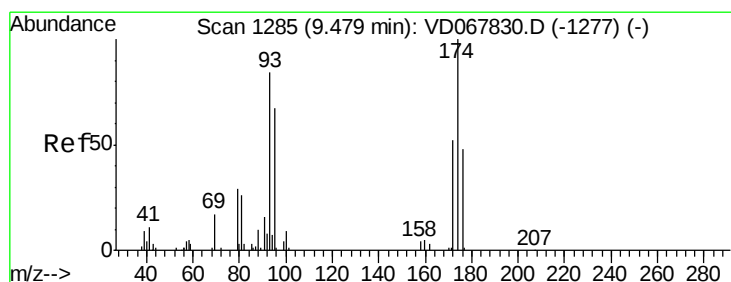
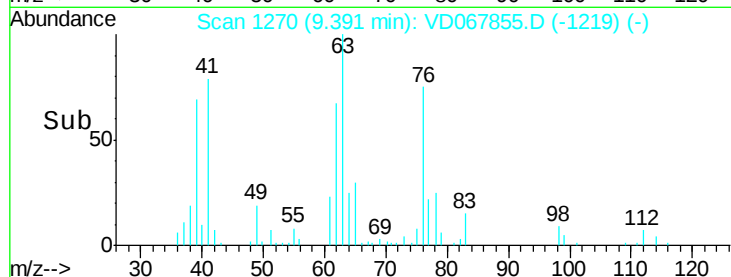
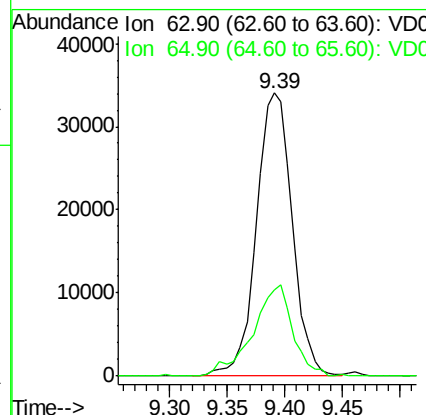
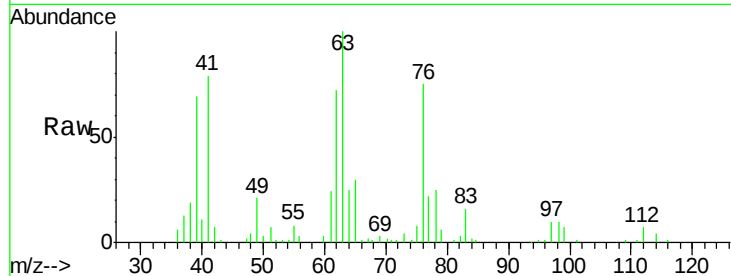
#45
 1,2-Dichloropropane
 Concen: 47.859 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 73793
 Ion Ratio Lower Upper
 63 100
 65 30.5 22.8 34.2

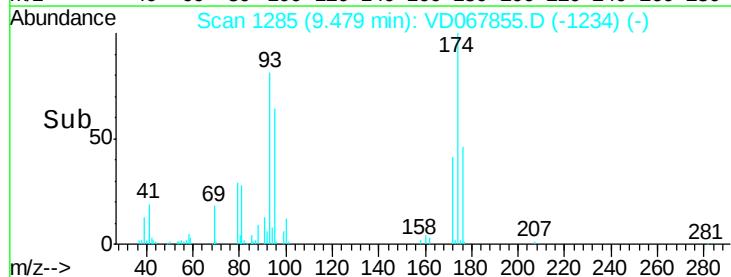
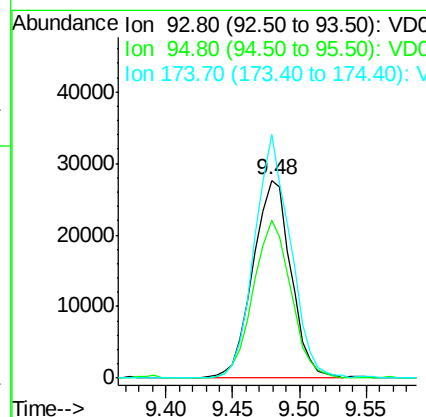
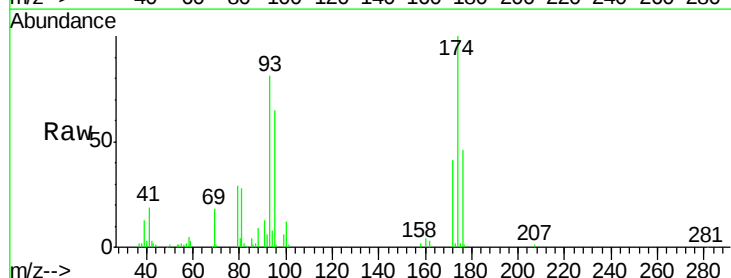
Manual Integrations
 APPROVED

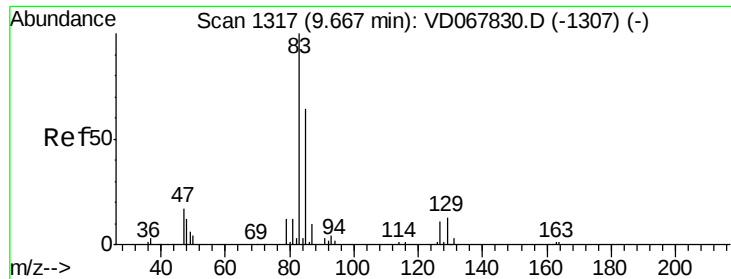
MMDadoda
 12/3/2020 9:57:03 AM



#46
 Dibromomethane
 Concen: 50.880 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion: 93 Resp: 54545
 Ion Ratio Lower Upper
 93 100
 95 79.3 64.2 96.4
 174 115.9 91.5 137.3





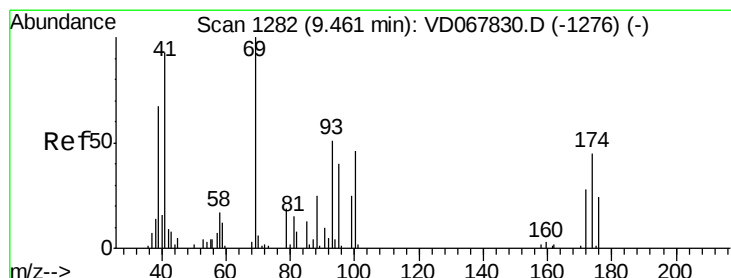
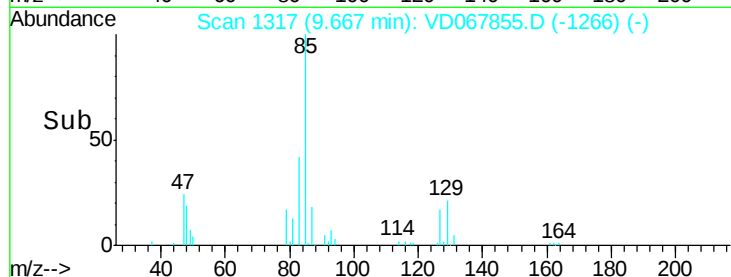
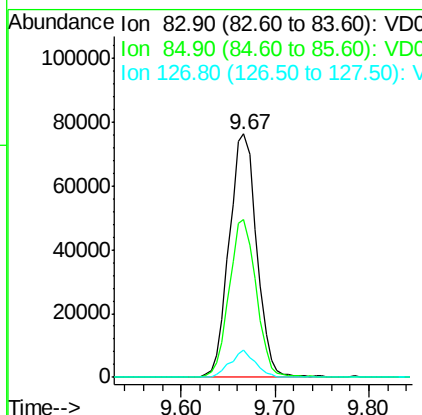
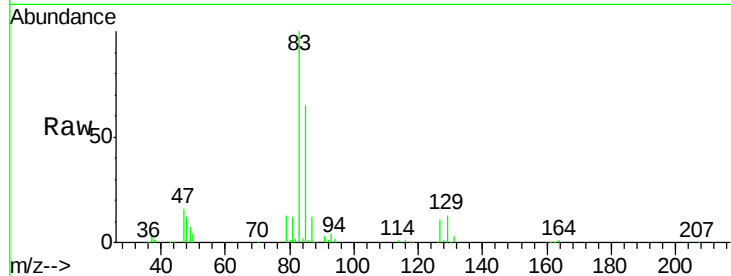
#47
Bromodichloromethane
Concen: 50.949 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	155710
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	51.4	77.0
127	11.0	8.5	12.7

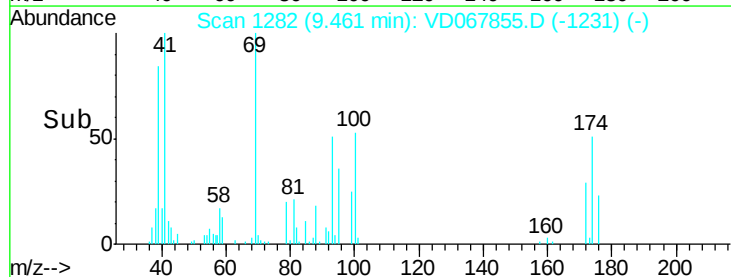
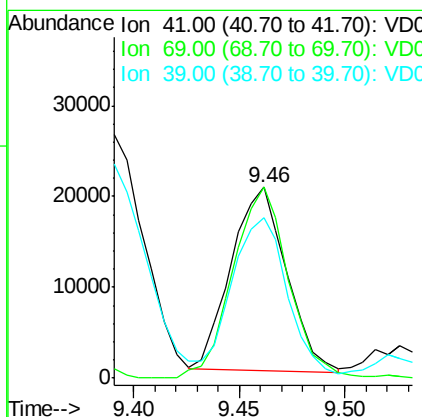
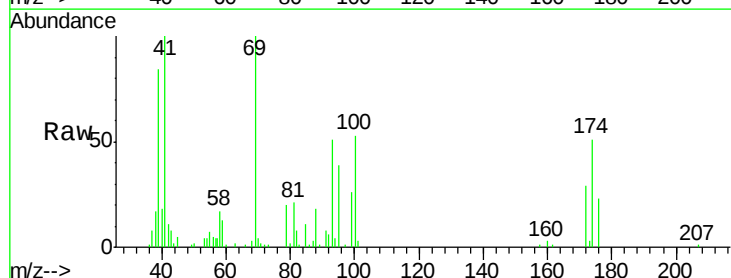
Manual Integrations
APPROVED

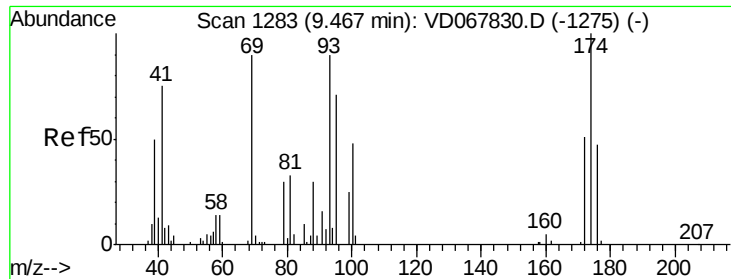
MMDadoda
12/3/2020 9:57:03 AM



#48
Methyl methacrylate
Concen: 49.576 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion	41	Resp	36652
Ion Ratio	100	Lower	Upper
41	100		
69	105.1	87.6	131.4
39	88.4	61.2	91.8





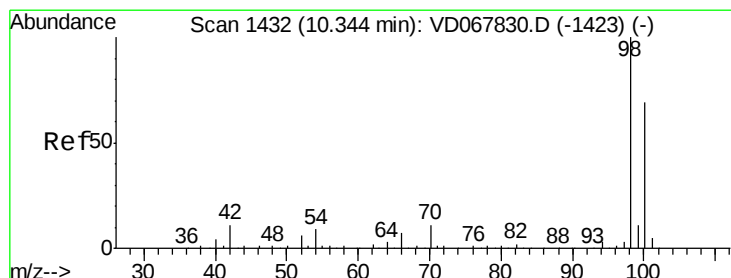
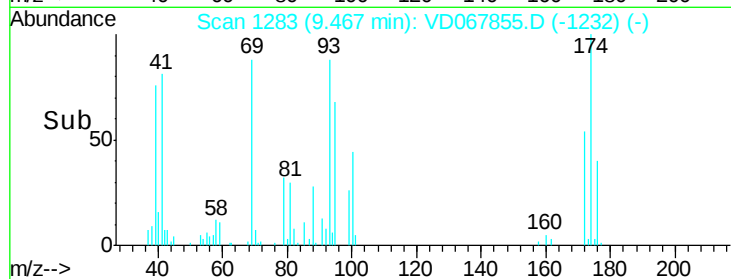
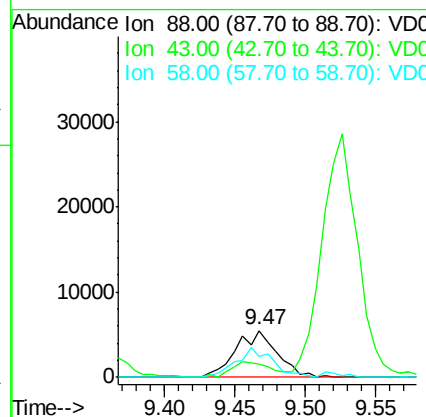
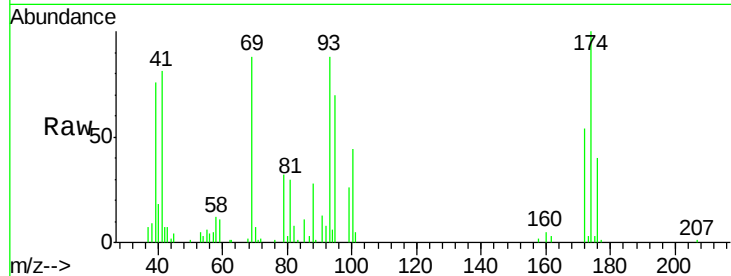
#49
1,4-Dioxane
Concen: 911.781 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	30.1	45.1
58	56.5	42.4	63.6

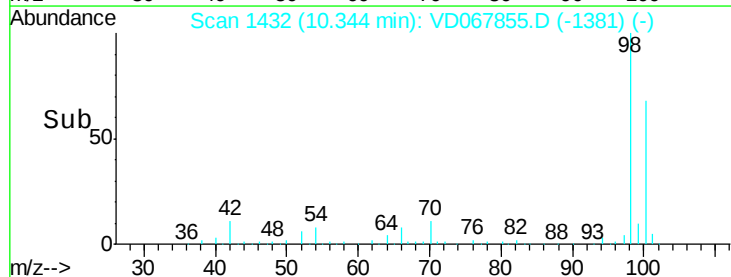
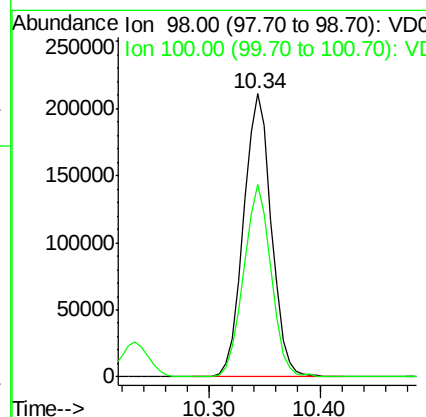
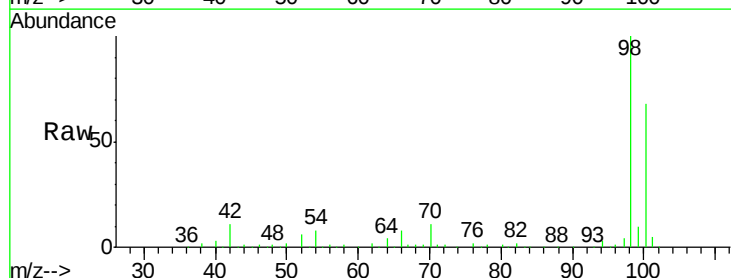
Manual Integrations
APPROVED

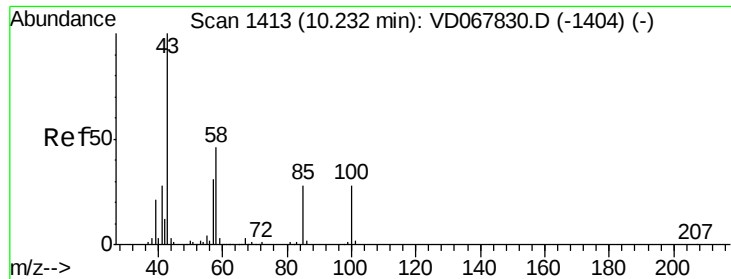
MMDadoda
12/3/2020 9:57:03 AM



#50
Toluene-d8
Concen: 48.977 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	52.9	79.3





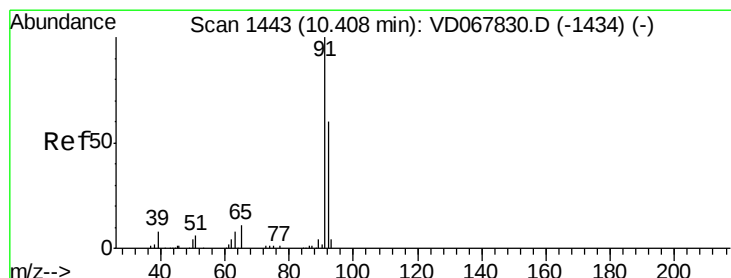
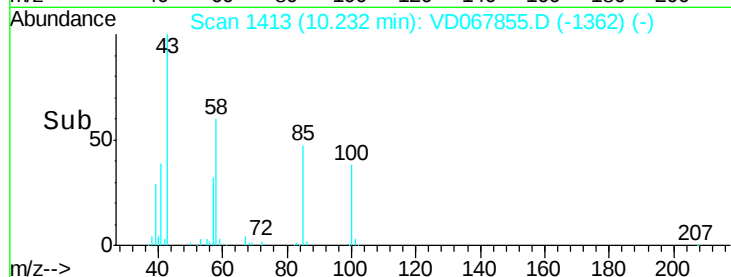
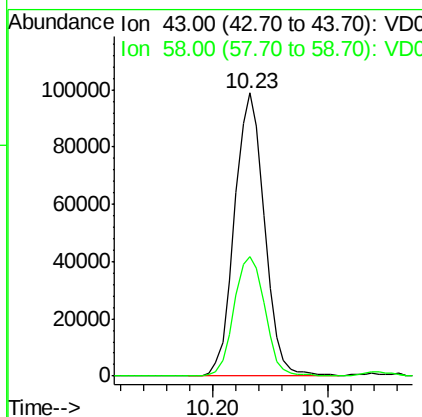
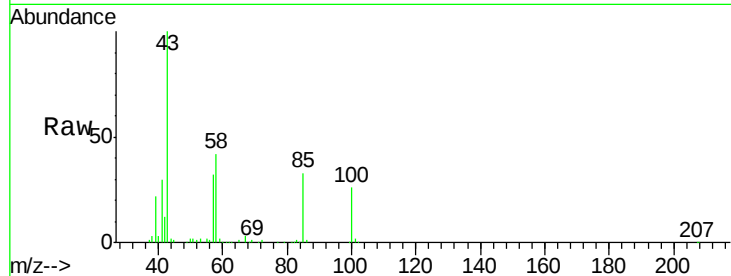
#51
4-Methyl-2-Pentanone
Concen: 258.098 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 177850
Ion Ratio Lower Upper
43 100
58 43.6 35.7 53.5

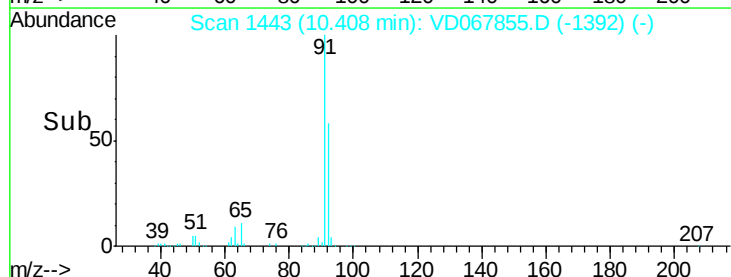
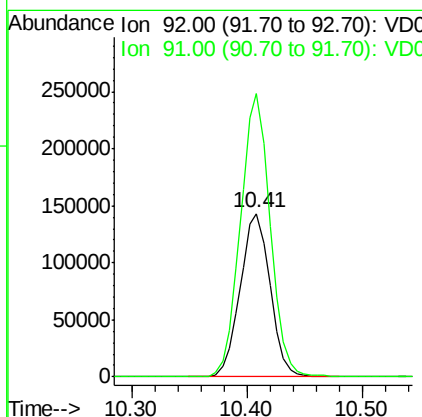
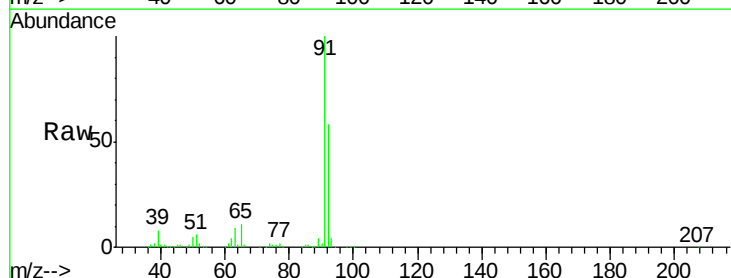
Manual Integrations
APPROVED

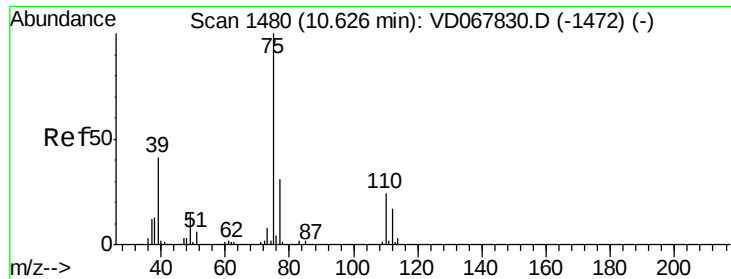
MMDadoda
12/3/2020 9:57:03 AM



#52
Toluene
Concen: 49.267 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion: 92 Resp: 258769
Ion Ratio Lower Upper
92 100
91 171.2 134.2 201.2





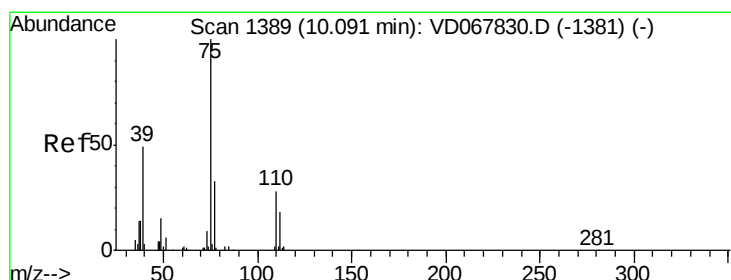
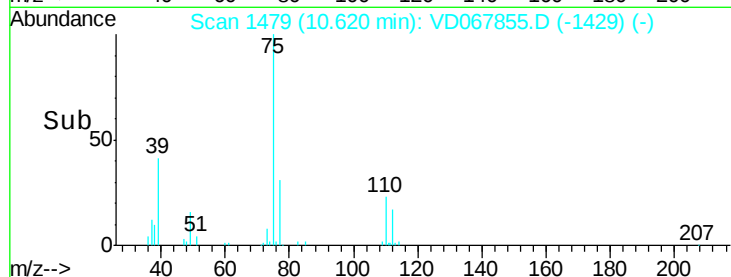
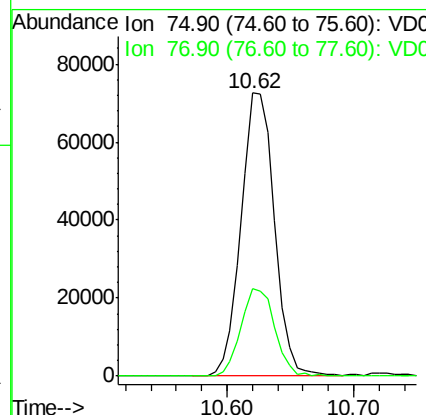
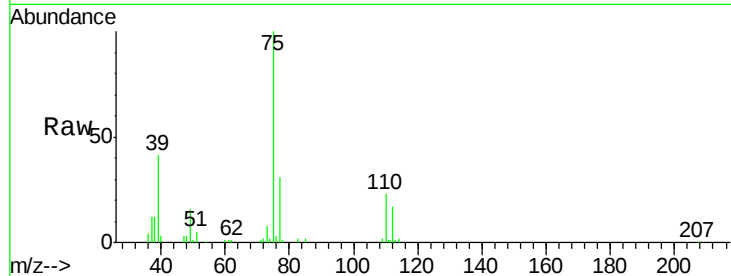
#53
t-1,3-Dichloropropene
Concen: 50.461 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4

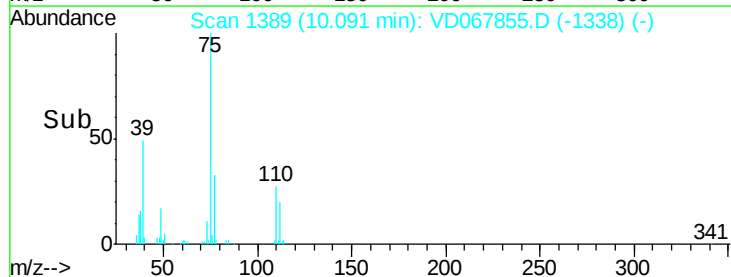
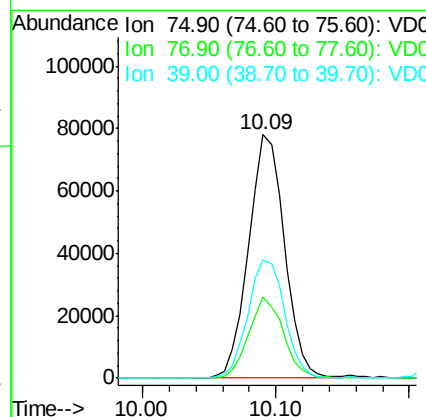
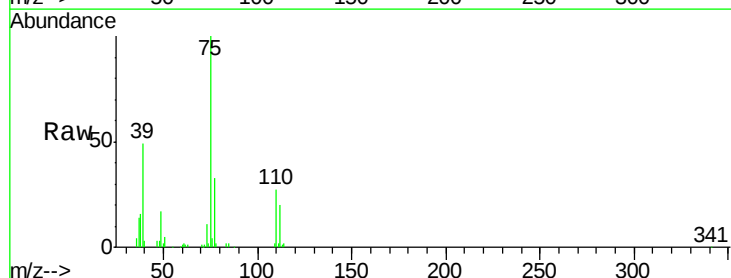
Manual Integrations
APPROVED

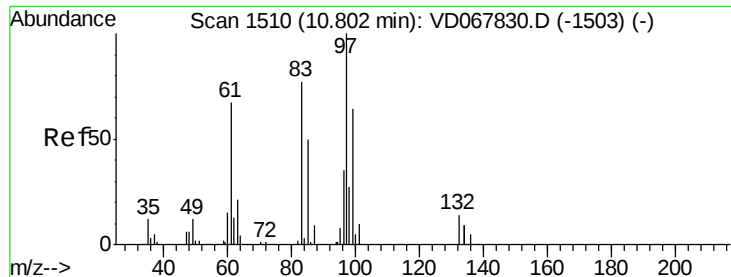
MMDadoda
12/3/2020 9:57:03 AM



#54
cis-1,3-Dichloropropene
Concen: 50.543 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.3	26.2	39.2
39	48.4	39.0	58.4





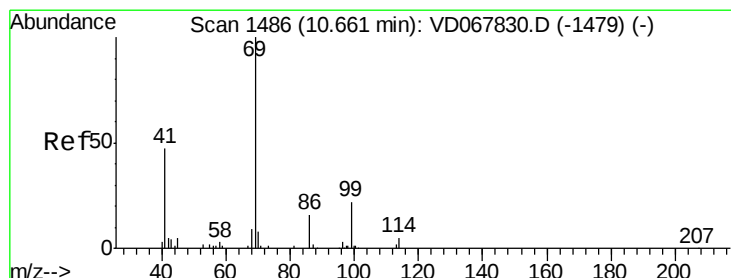
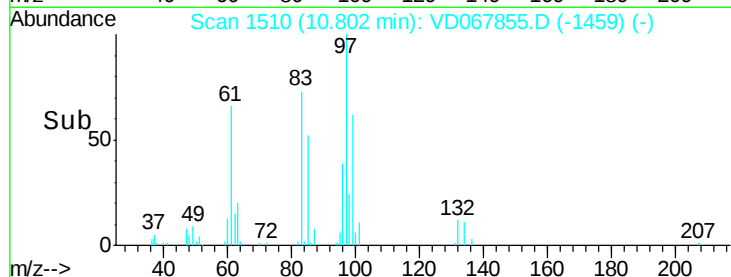
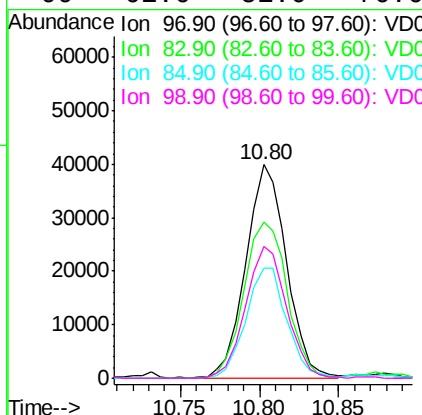
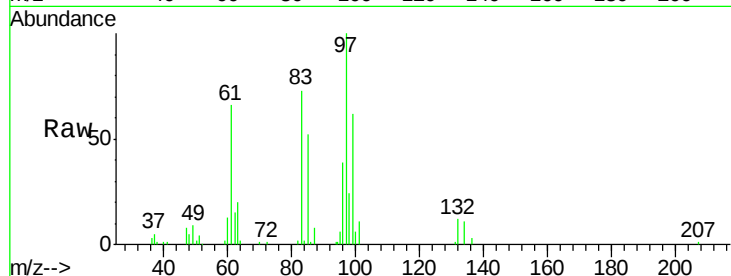
#55
 1,1,2-Trichloroethane
 Concen: 48.568 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	71254
Ion	Ratio	Lower	Upper
97	100		
83	73.0	61.9	92.9
85	51.8	40.2	60.4
99	61.6	51.0	76.6

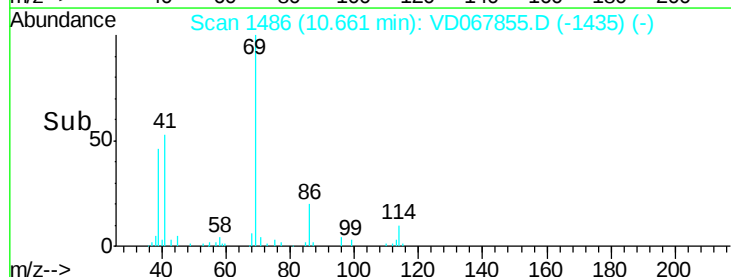
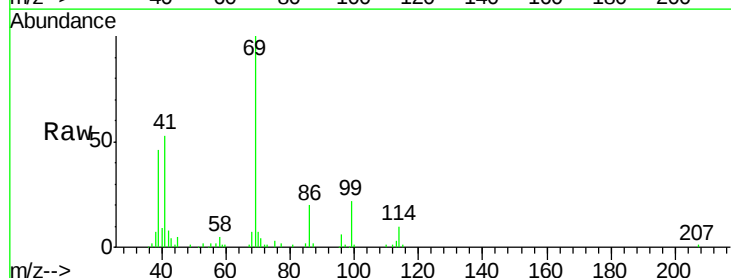
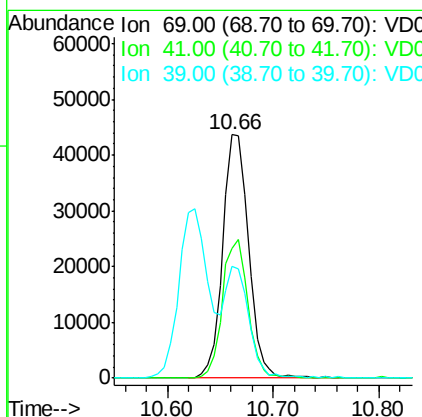
Manual Integrations
 APPROVED

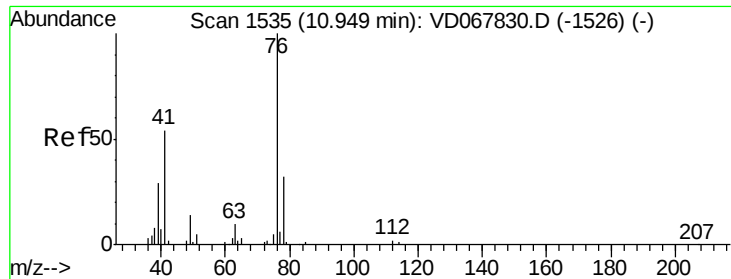
MMDadoda
 12/3/2020 9:57:03 AM



#56
 Ethyl methacrylate
 Concen: 49.918 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion:	69	Resp:	74512
Ion	Ratio	Lower	Upper
69	100		
41	55.9	42.8	64.2
39	41.0	30.5	45.7





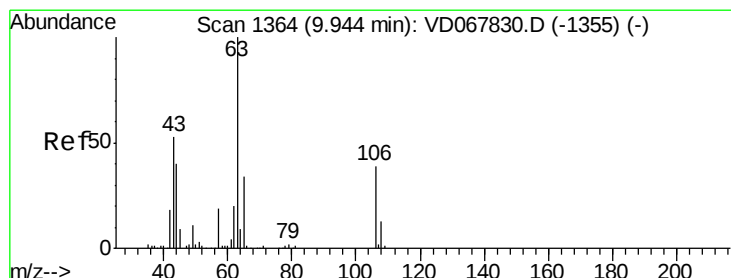
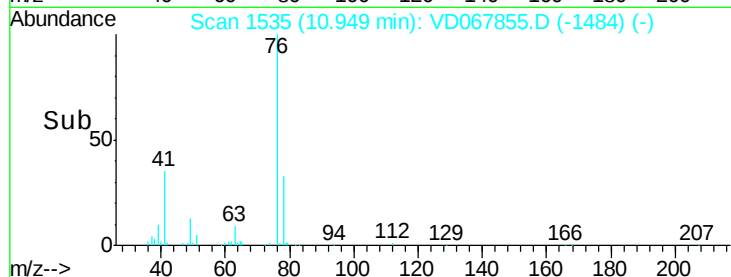
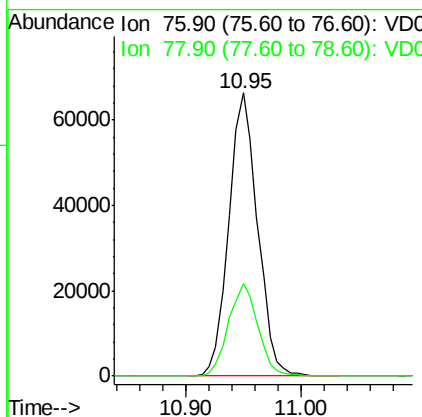
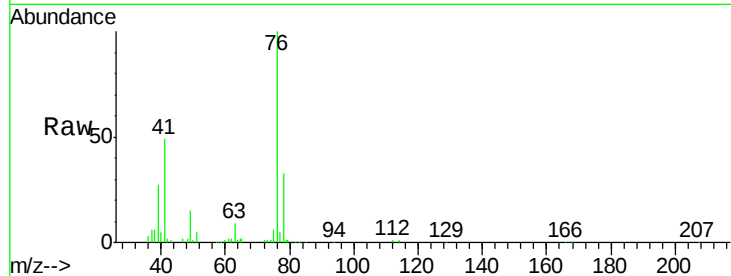
#57
 1,3-Dichloropropane
 Concen: 49.263 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.6	39.8

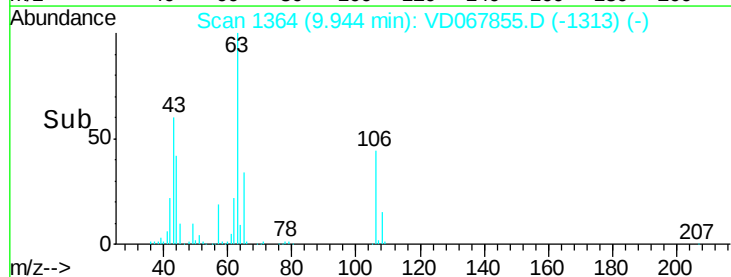
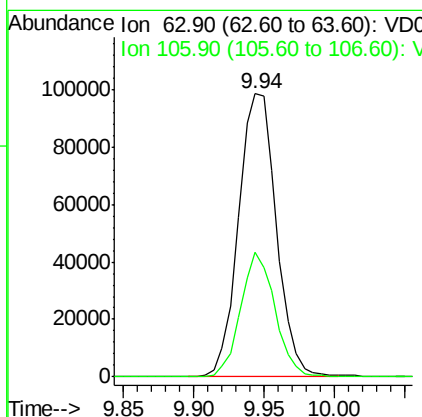
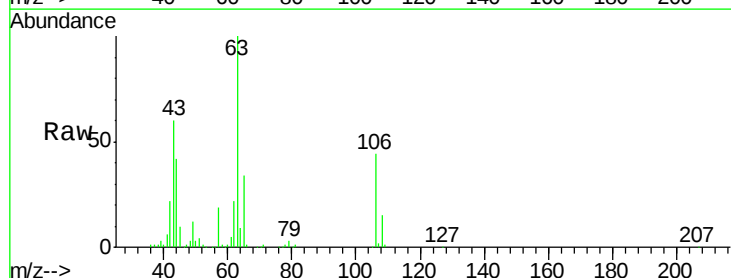
Manual Integrations
 APPROVED

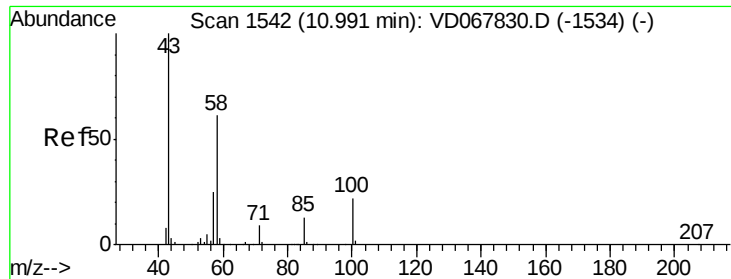
MMDadoda
 12/3/2020 9:57:03 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.070 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	40.2	32.0	48.0





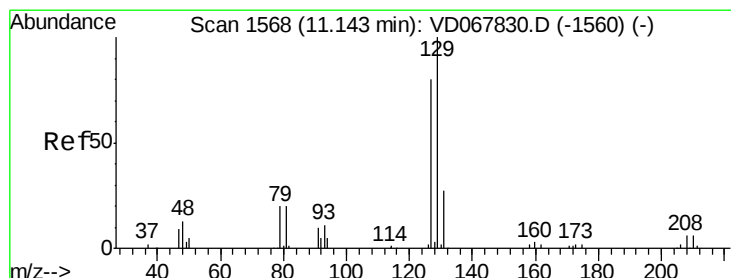
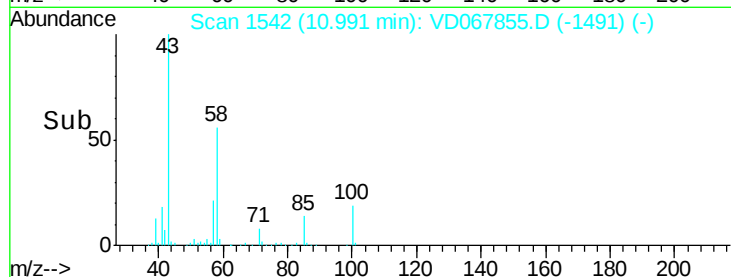
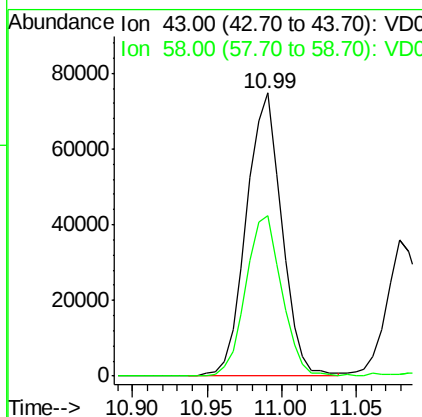
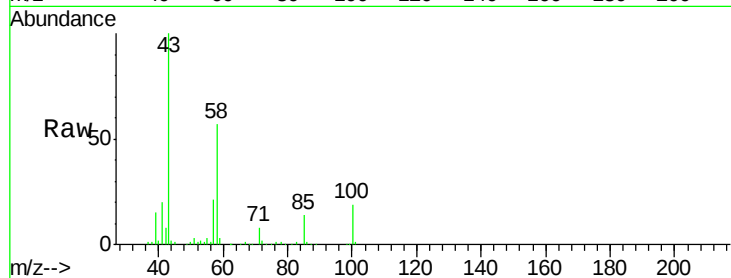
#59
2-Hexanone
Concen: 252.528 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 122669
Ion Ratio Lower Upper
43 100
58 57.8 29.9 89.7

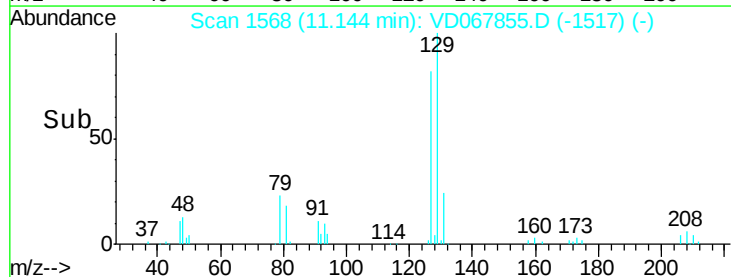
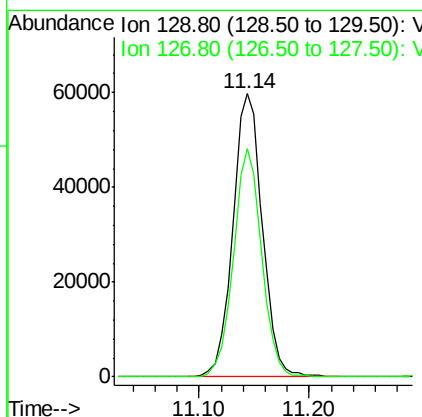
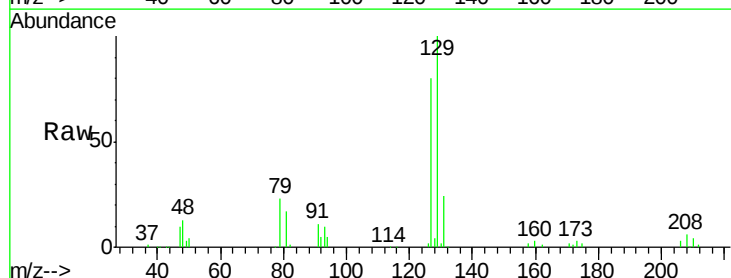
Manual Integrations
APPROVED

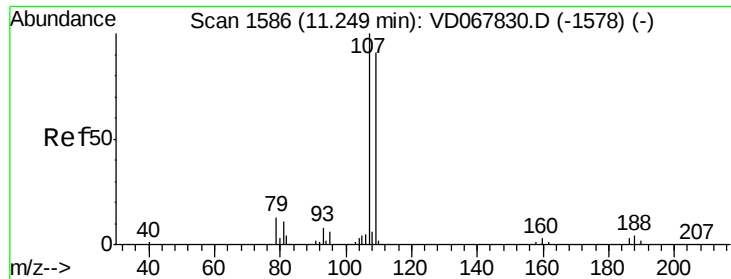
MMDadoda
12/3/2020 9:57:03 AM



#60
Dibromochloromethane
Concen: 50.551 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion: 129 Resp: 111794
Ion Ratio Lower Upper
129 100
127 77.4 39.2 117.6





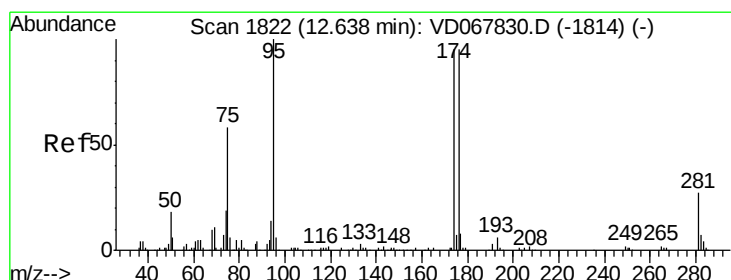
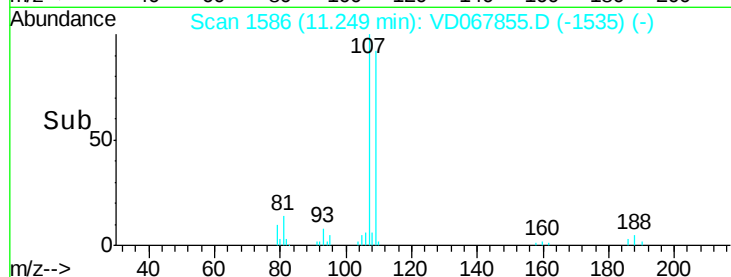
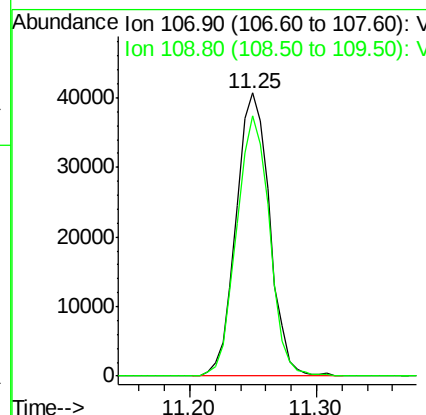
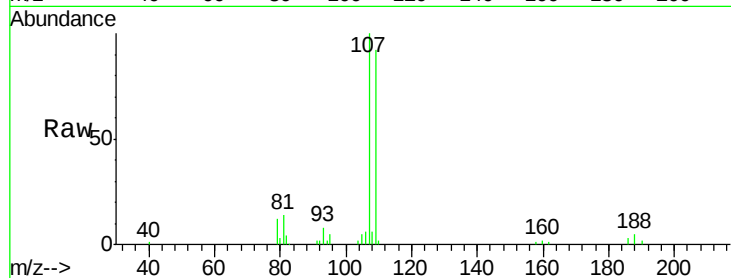
#61
 1,2-Dibromoethane
 Concen: 51.426 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 74194
 Ion Ratio Lower Upper
 107 100
 109 90.8 75.9 113.9

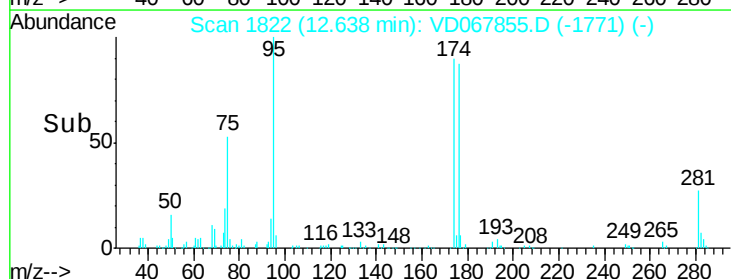
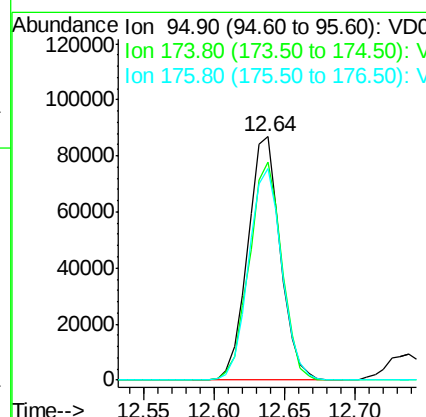
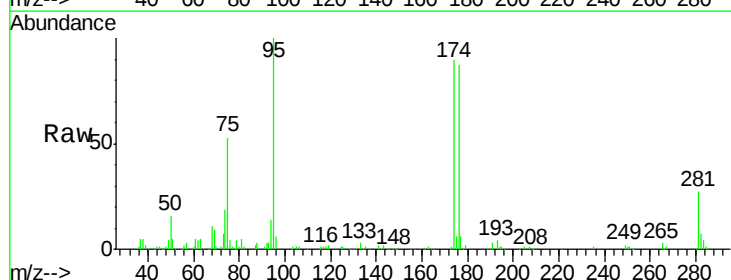
Manual Integrations
 APPROVED

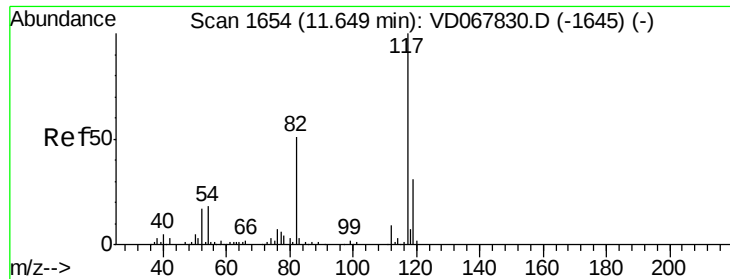
MMDadoda
 12/3/2020 9:57:03 AM



#62
 4-Bromofluorobenzene
 Concen: 53.183 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion: 95 Resp: 140464
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 186.0
 176 88.4 0.0 184.2





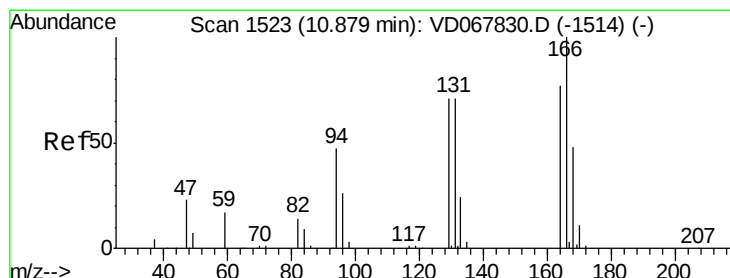
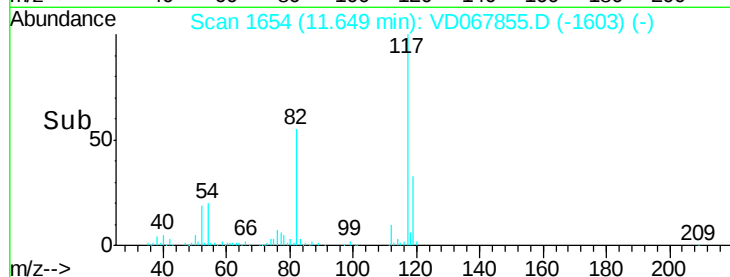
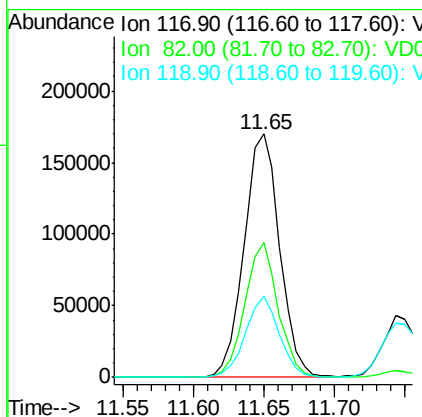
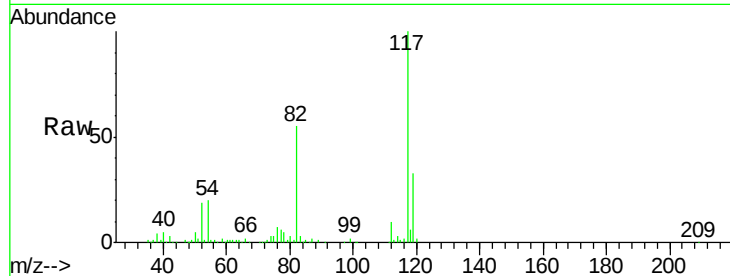
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	40.6	60.8
119	33.1	25.1	37.7

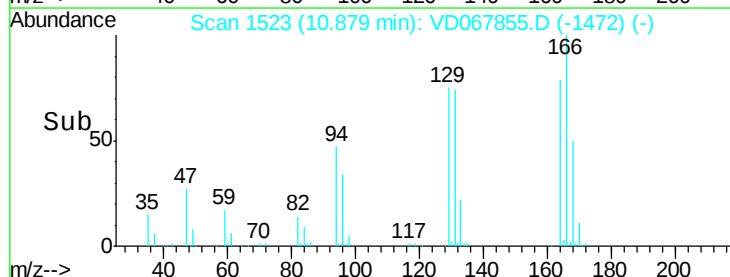
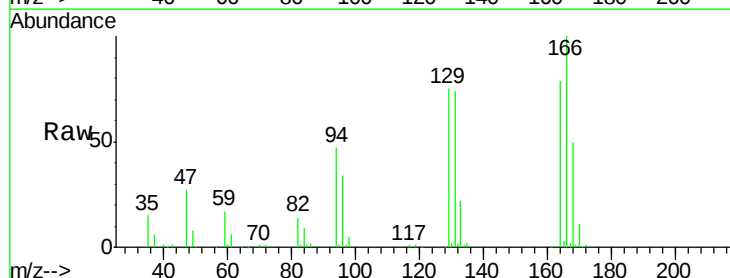
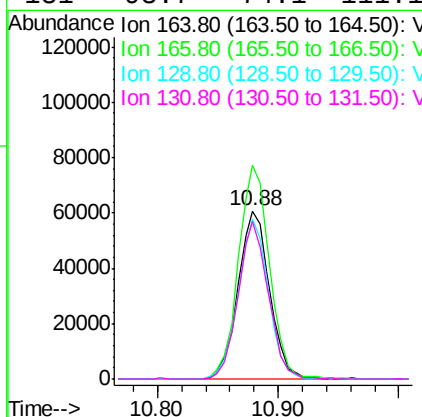
Manual Integrations
APPROVED

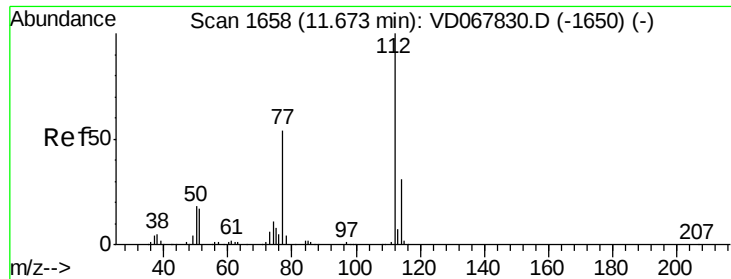
MMDadoda
12/3/2020 9:57:03 AM



#64
Tetrachloroethene
Concen: 44.967 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	103.8	155.6
129	95.1	73.3	109.9
131	93.7	74.1	111.1





#65

Chlorobenzene

Concen: 47.678 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 295879

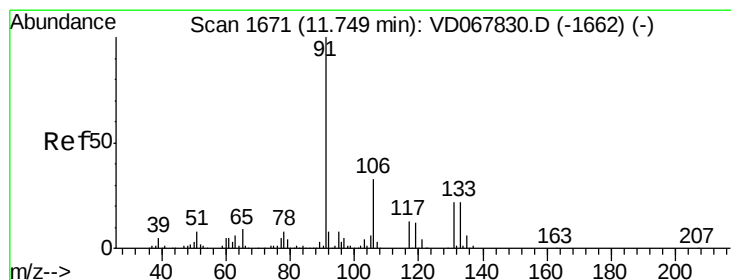
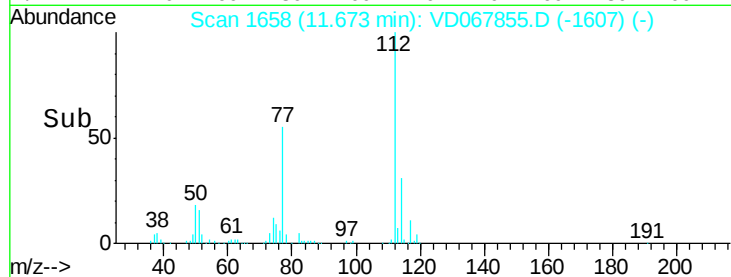
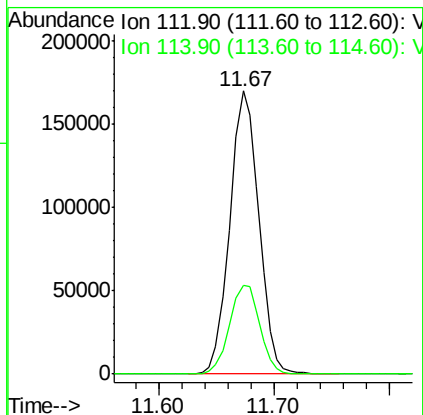
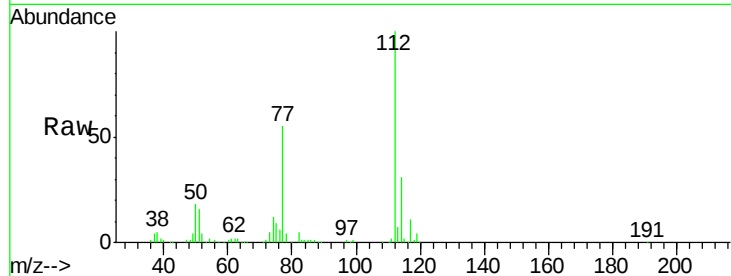
Ion Ratio Lower Upper

112 100

114 31.3 25.0 37.4

Manual Integrations
APPROVED

MMDadoda
12/3/2020 9:57:03 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 48.596 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

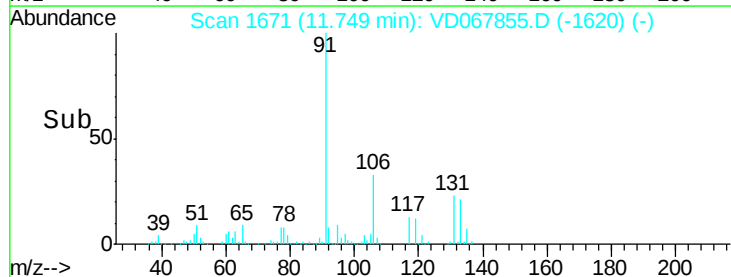
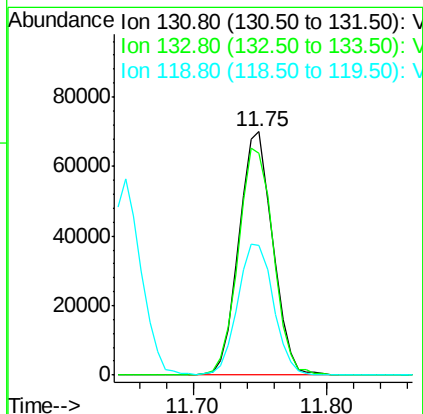
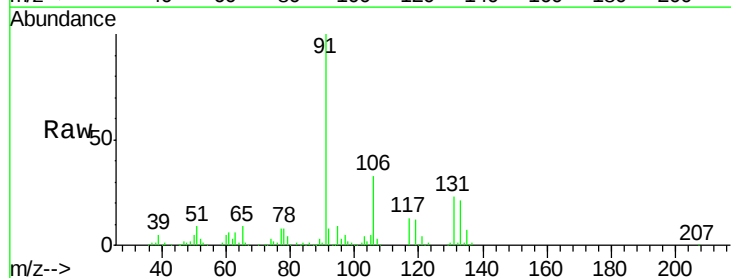
Tgt Ion:131 Resp: 123002

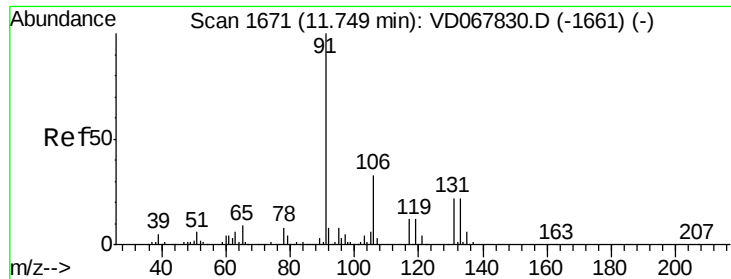
Ion Ratio Lower Upper

131 100

133 96.2 49.9 149.7

119 56.9 29.6 88.9





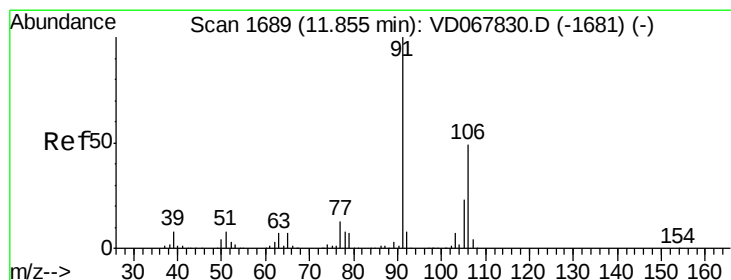
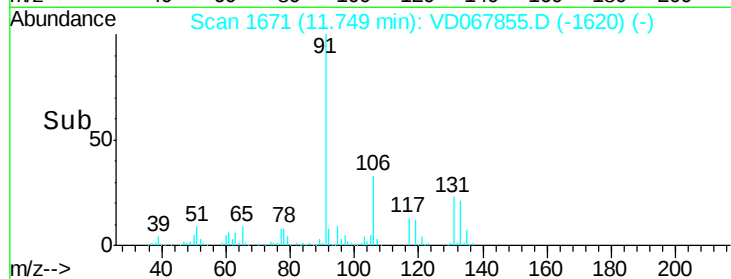
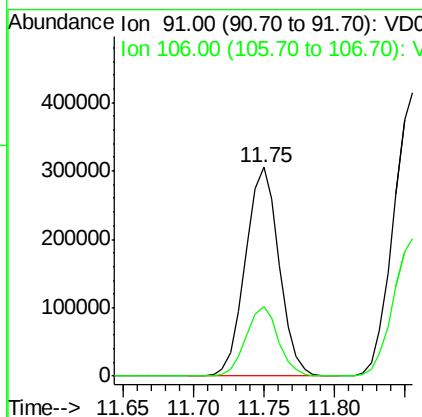
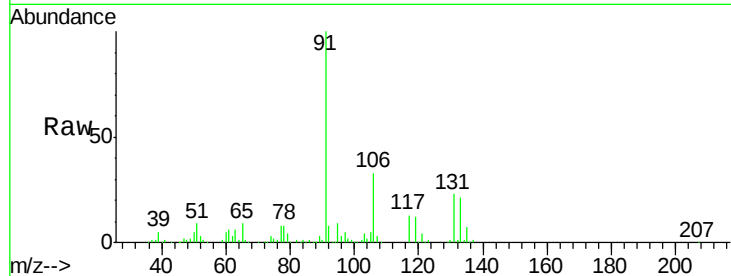
#67
Ethyl Benzene
Concen: 48.383 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 511476
Ion Ratio Lower Upper
91 100
106 33.1 26.2 39.2

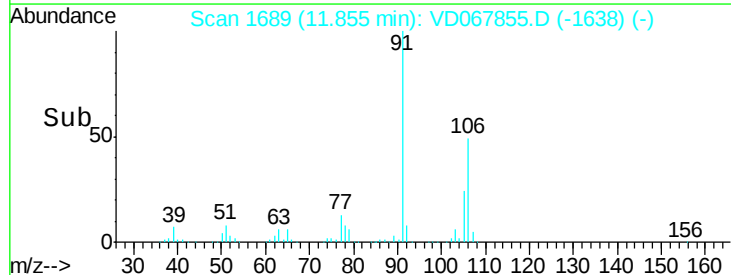
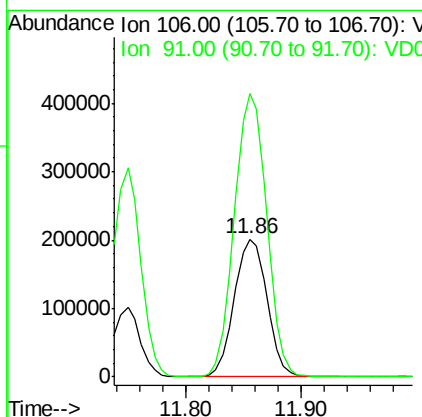
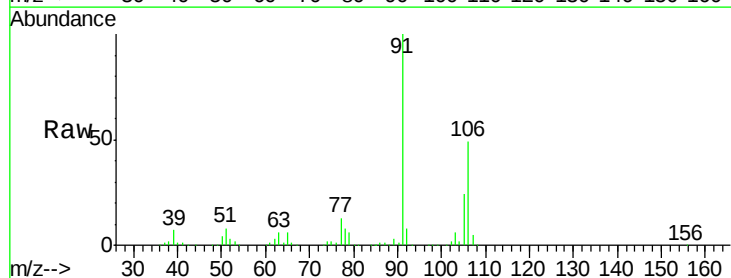
Manual Integrations
APPROVED

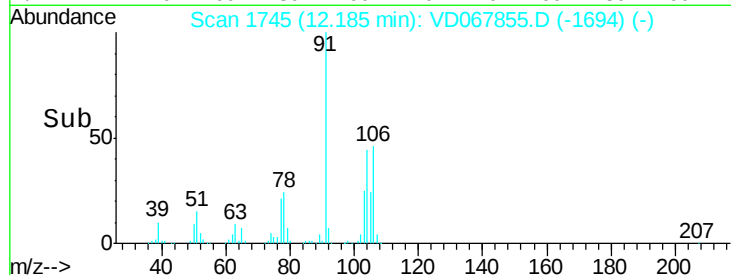
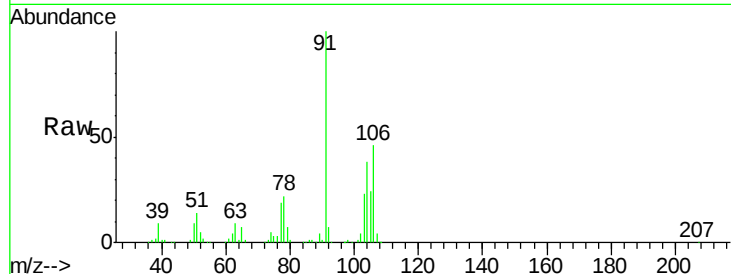
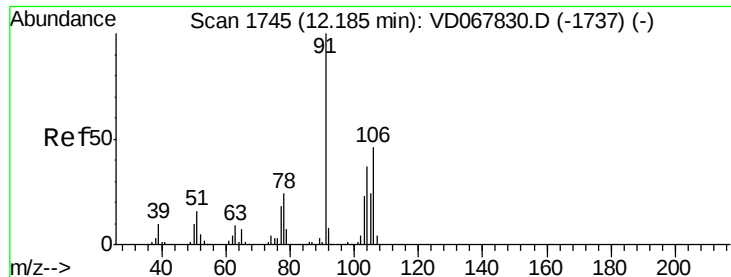
MMDadoda
12/3/2020 9:57:03 AM



#68
m/p-Xylenes
Concen: 94.820 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion: 106 Resp: 395252
Ion Ratio Lower Upper
106 100
91 203.6 162.8 244.2





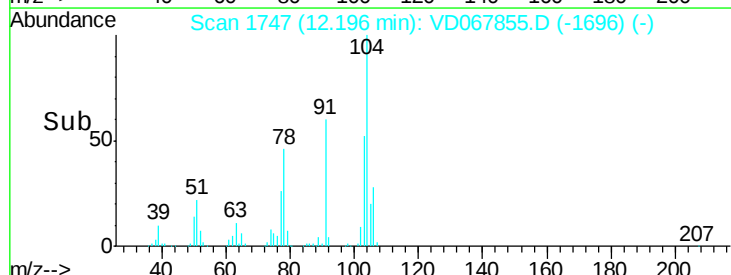
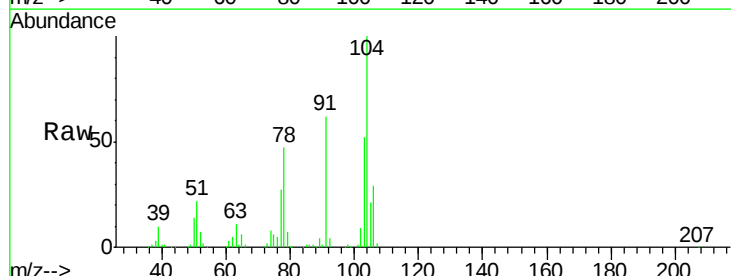
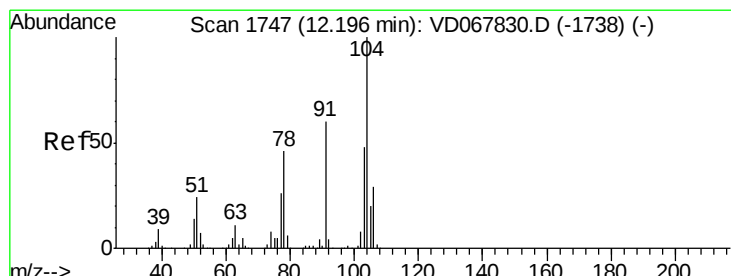
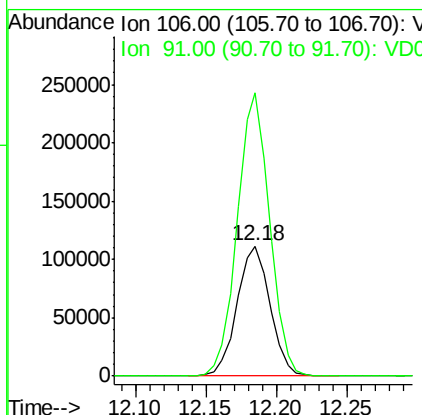
#69
o-Xylene
Concen: 49.277 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		182356		
91	213.2	107.5	322.5		

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

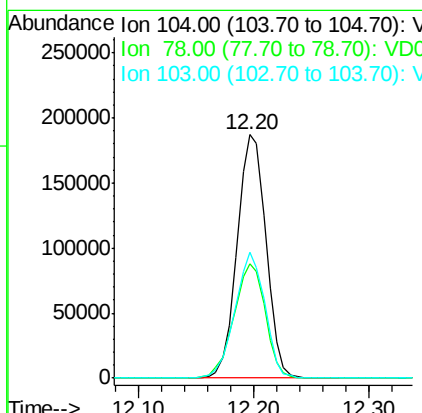
Manual Integrations
APPROVED

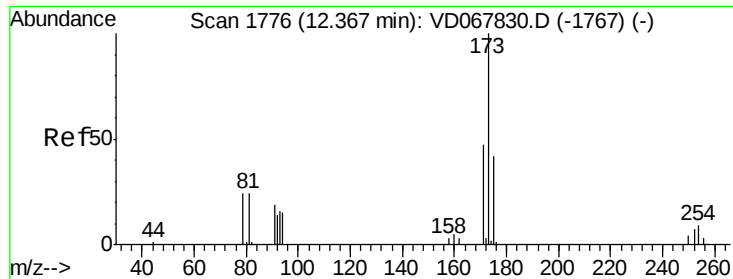
MMDadoda
12/3/2020 9:57:03 AM



#70
Styrene
Concen: 50.237 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		323265		
78	51.0	41.6	62.4		
103	53.6	43.2	64.8		





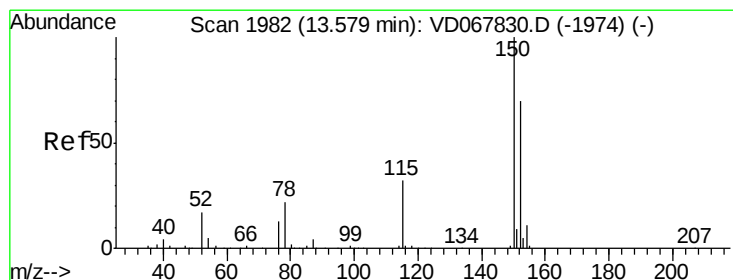
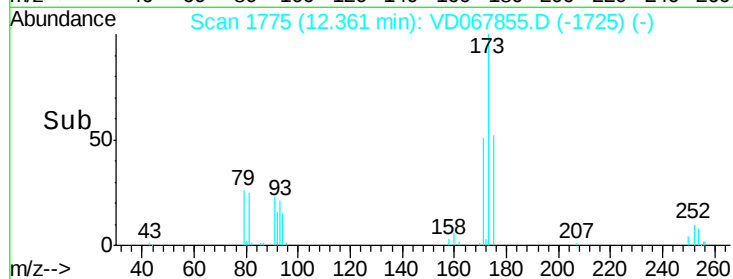
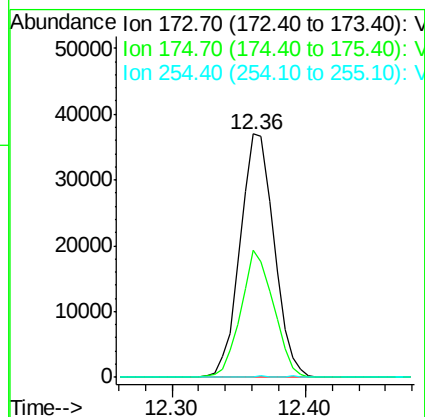
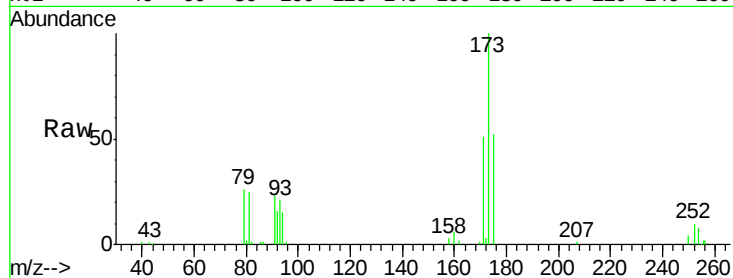
#71
Bromoform
Concen: 48.716 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	23.4	70.3
254	0.2	0.1	0.1

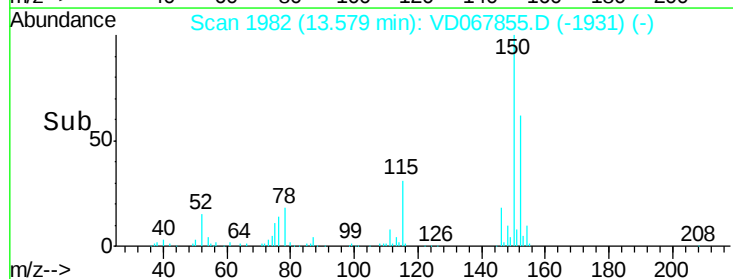
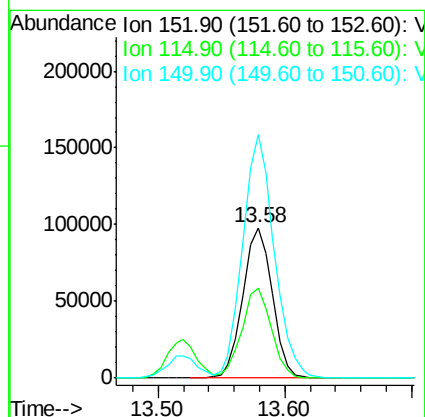
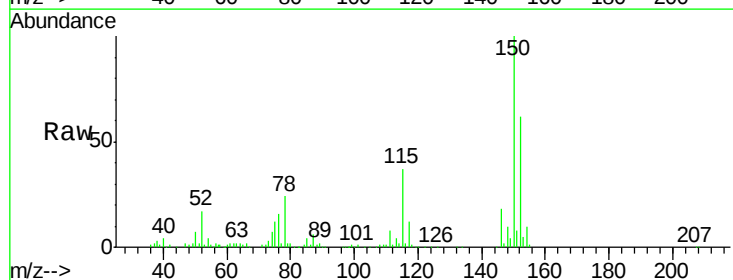
Manual Integrations
APPROVED

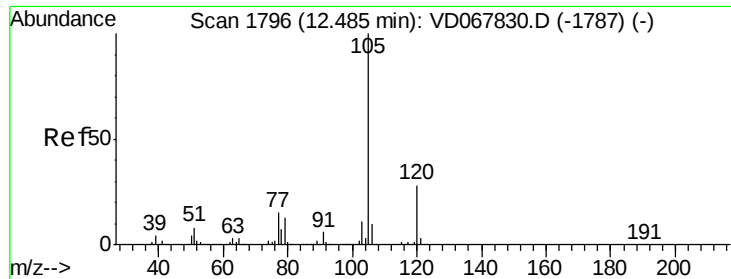
MMDadoda
12/3/2020 9:57:03 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.1	87.4
150	173.2	0.0	339.0





#73

Isopropylbenzene

Concen: 46.775 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 507694

Ion Ratio Lower Upper

105 100

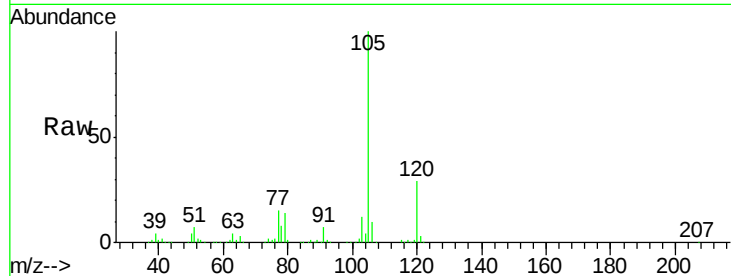
120 27.4 13.9 41.6

Manual Integrations

APPROVED

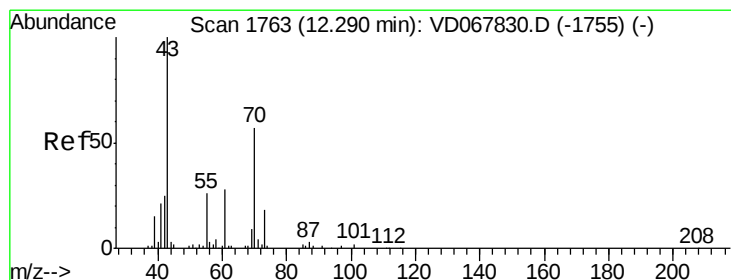
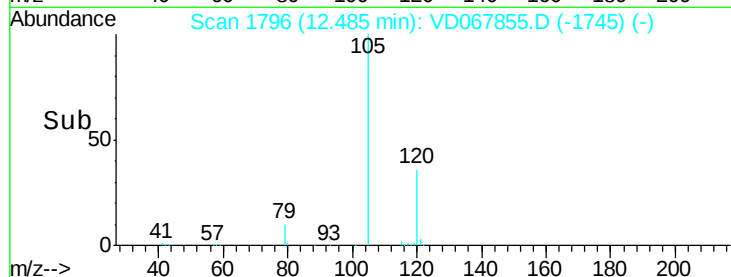
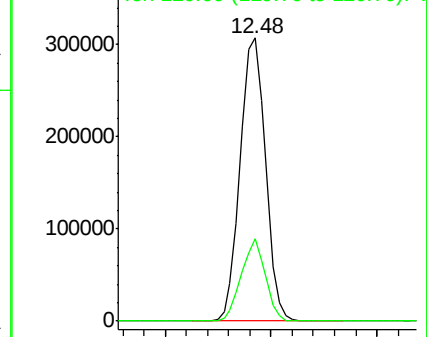
MMDadoda

12/3/2020 9:57:03 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.874 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Tgt Ion: 43 Resp: 65617

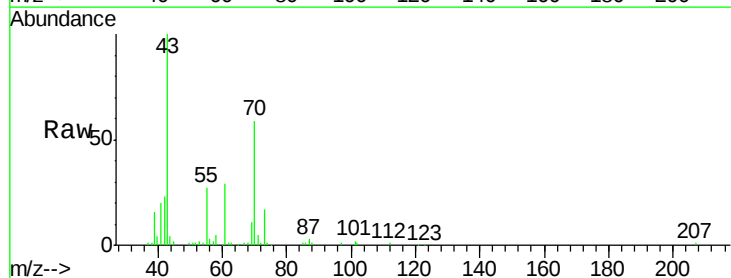
Ion Ratio Lower Upper

43 100

70 54.2 44.6 66.8

55 28.6 22.2 33.2

61 27.0 22.7 34.1

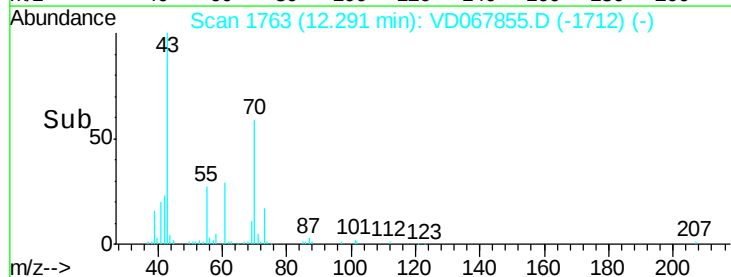
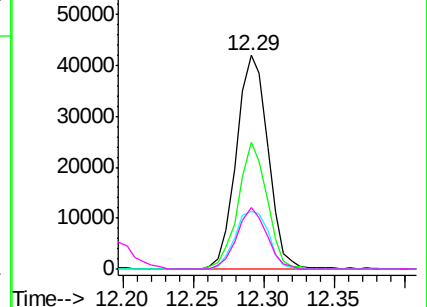


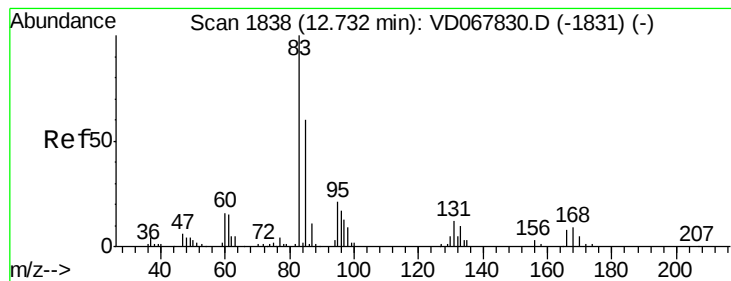
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.442 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 65118

Ion Ratio Lower Upper

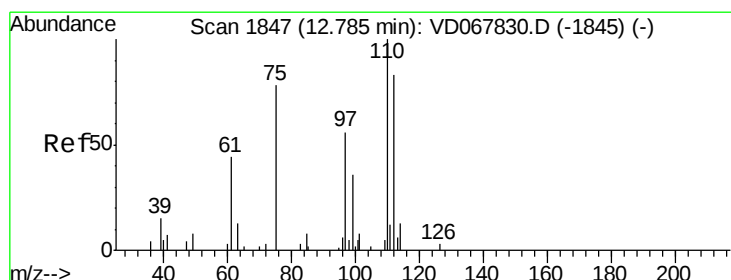
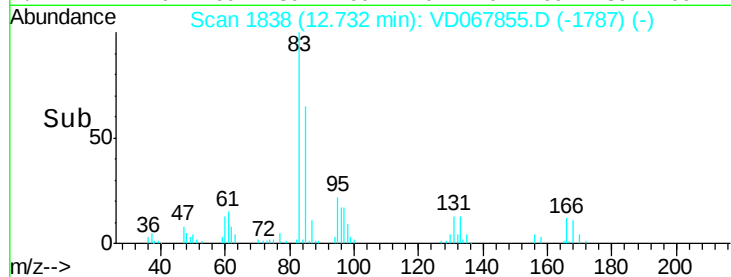
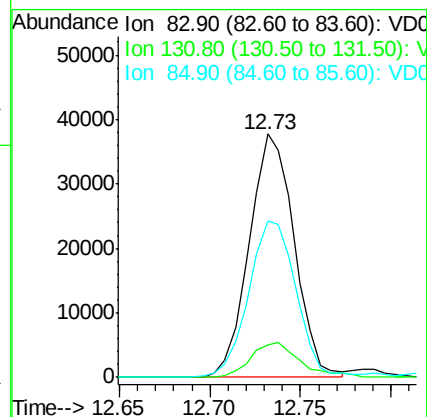
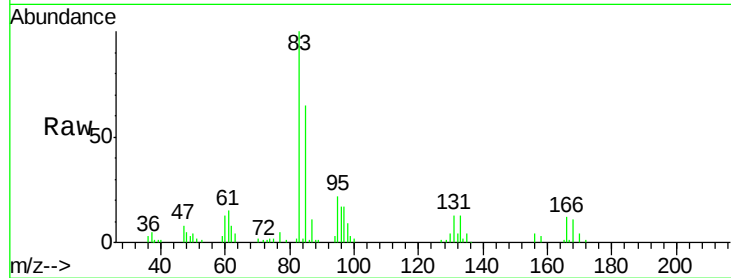
83 100

131 15.8 8.0 24.0

85 67.7 31.7 95.1

Manual Integrations
APPROVED

MMDadoda
12/3/2020 9:57:03 AM



#76

1,2,3-Trichloropropane

Concen: 44.549 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067855.D

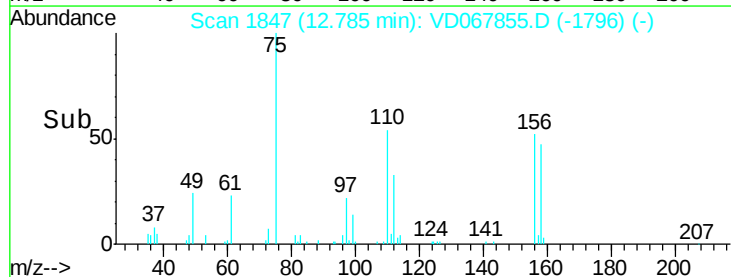
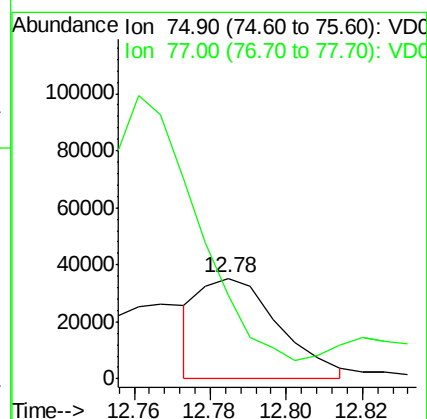
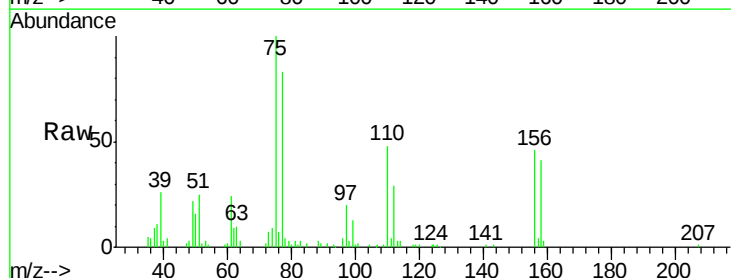
Acq: 03 Dec 2020 00:07

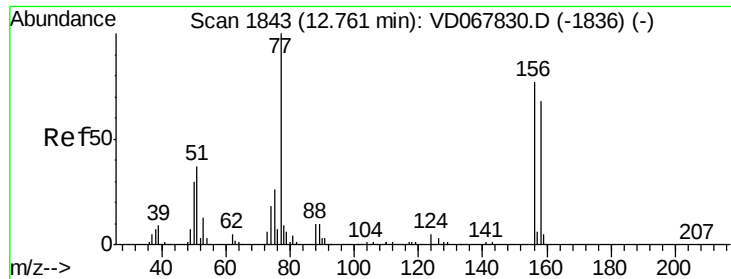
Tgt Ion: 75 Resp: 51203

Ion Ratio Lower Upper

75 100

77 0.0 175.9 527.7#





#77

Bromobenzene

Concen: 47.634 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Instrument :

MSVOA_D

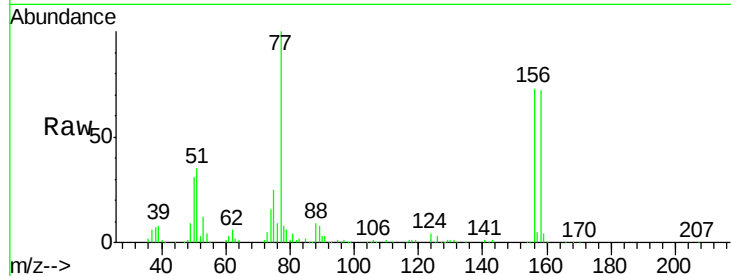
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	144.5	71.5	214.5
158	96.6	47.1	141.4

Manual Integrations
APPROVED

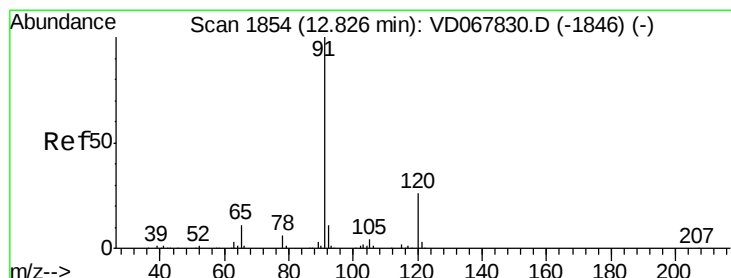
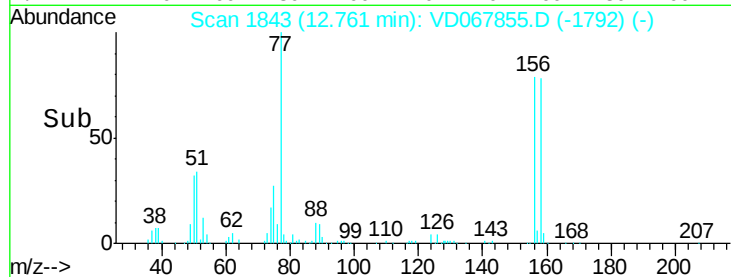
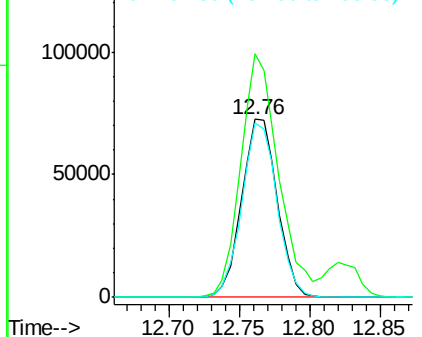
MMDadoda
12/3/2020 9:57:03 AM



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: 46.521 ug/l

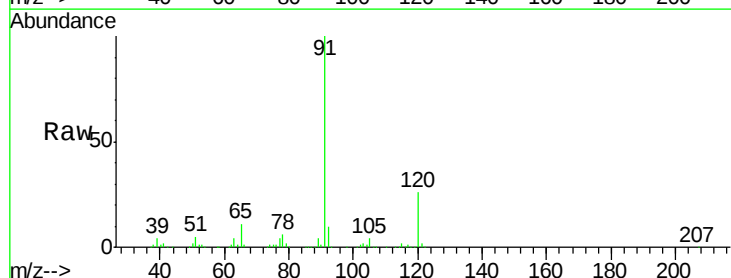
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067855.D

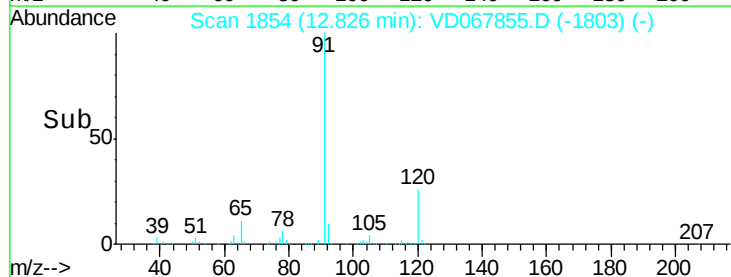
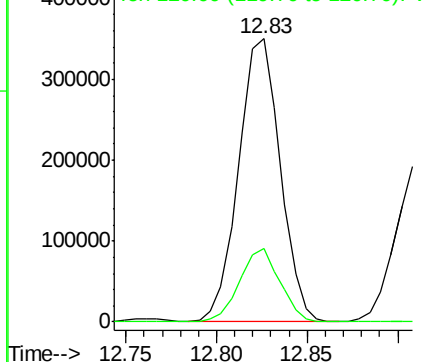
Acq: 03 Dec 2020 00:07

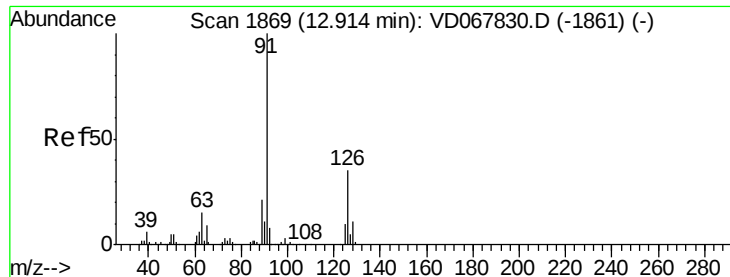
Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.3	12.7	38.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





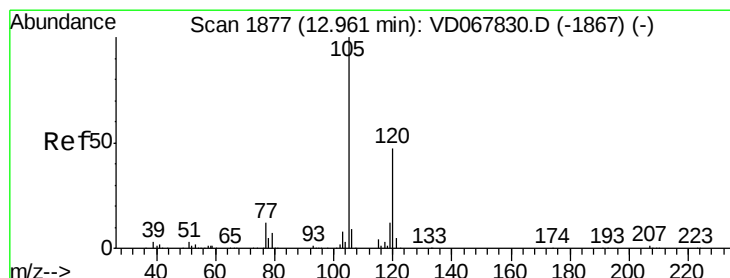
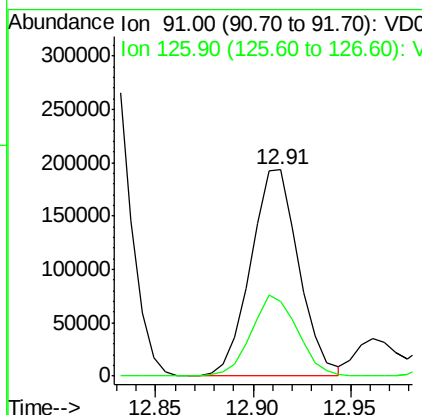
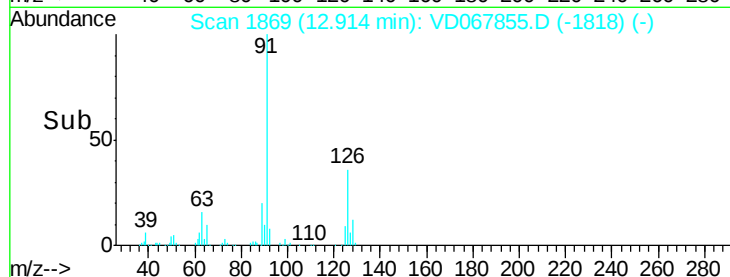
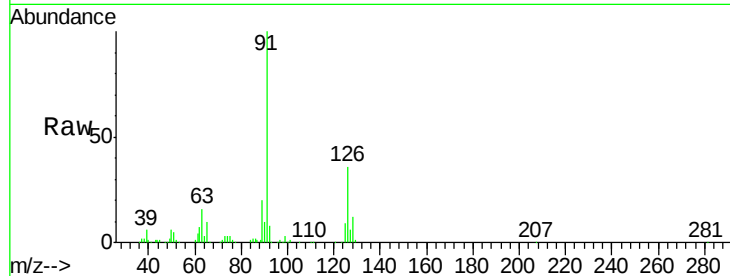
#79
 2-Chlorotoluene
 Concen: 46.723 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 330667
 Ion Ratio Lower Upper
 91 100
 126 37.5 17.9 53.7

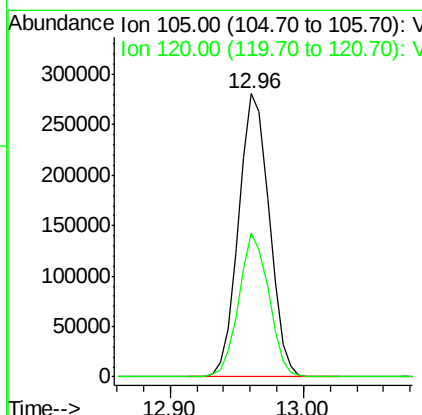
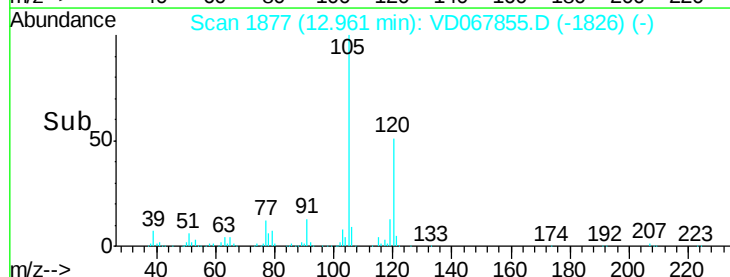
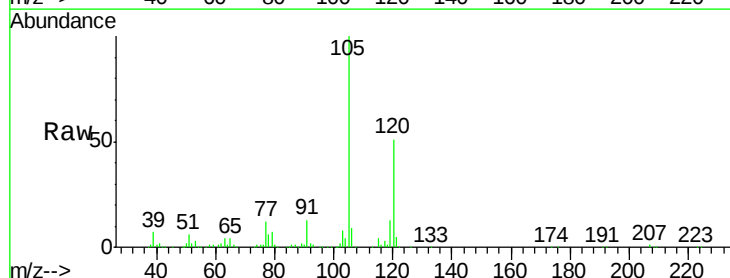
Manual Integrations
 APPROVED

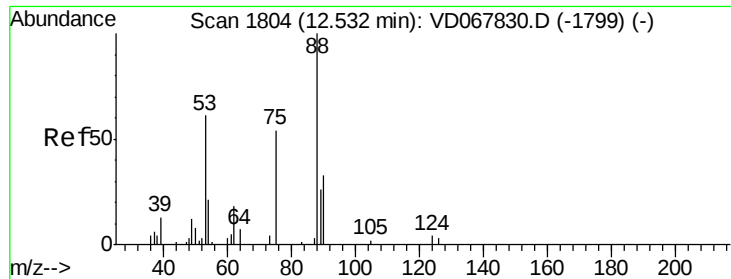
MMDadoda
 12/3/2020 9:57:03 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 47.497 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion: 105 Resp: 446349
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.3 72.9





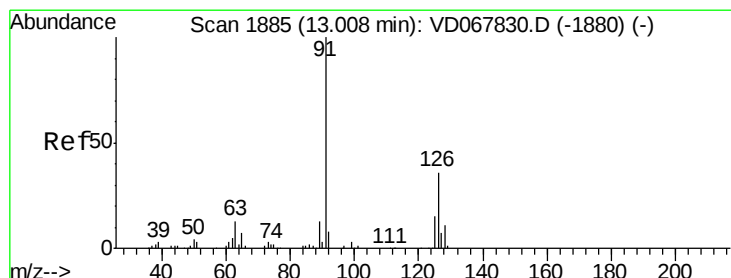
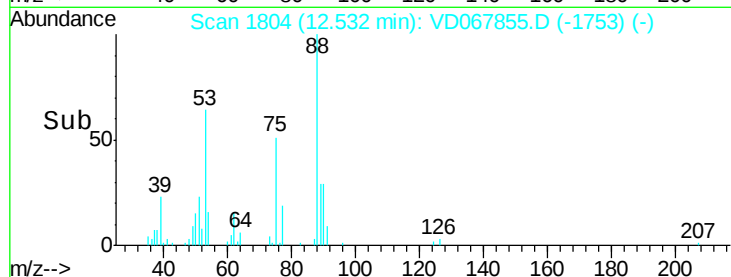
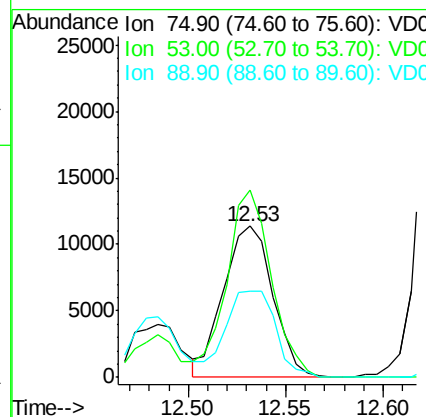
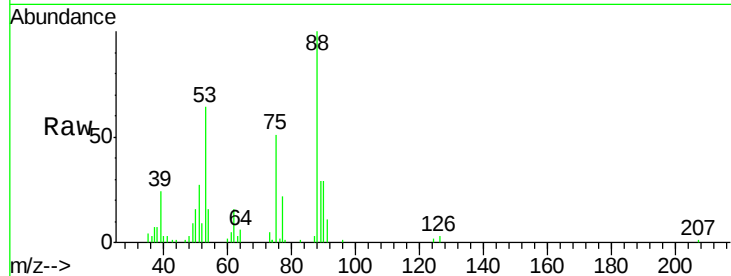
#81
trans-1,4-Dichloro-2-butene
Concen: 41.495 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.9	84.6	127.0
89	57.0	41.0	61.6

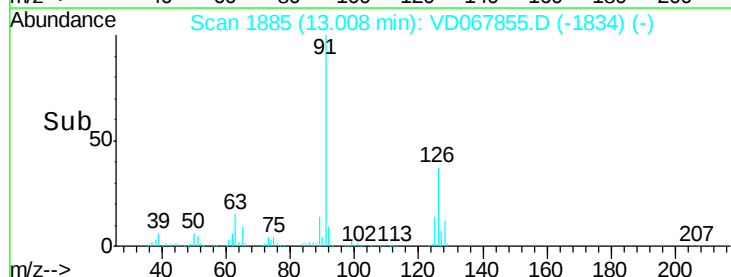
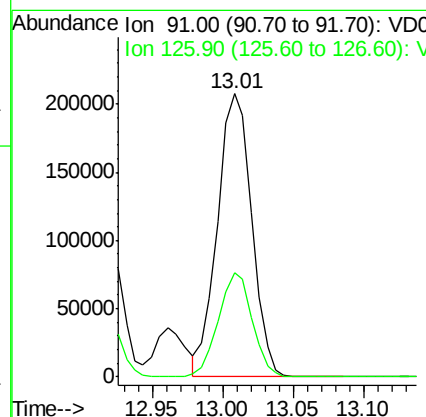
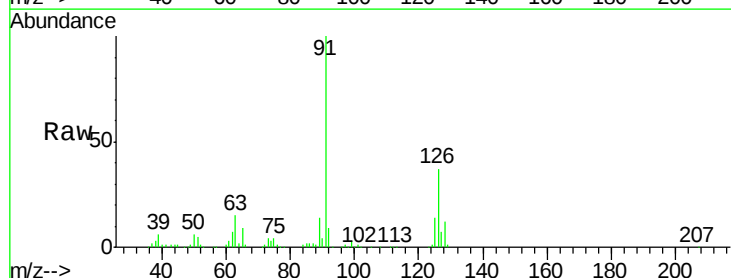
Manual Integrations
APPROVED

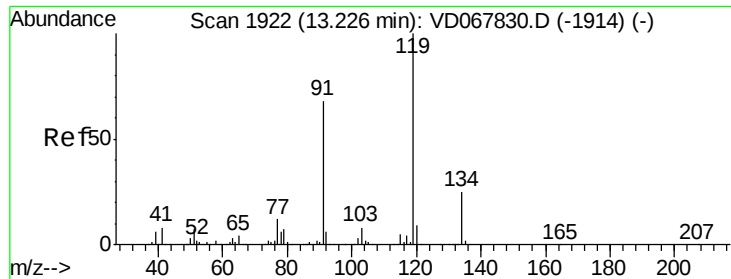
MMDadoda
12/3/2020 9:57:03 AM



#82
4-Chlorotoluene
Concen: 46.314 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.1	54.4





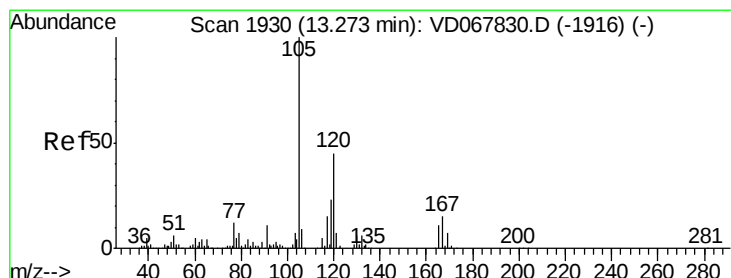
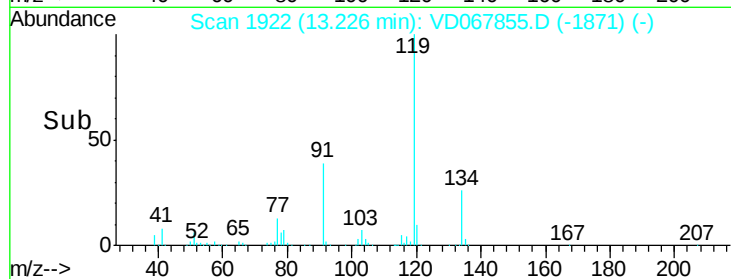
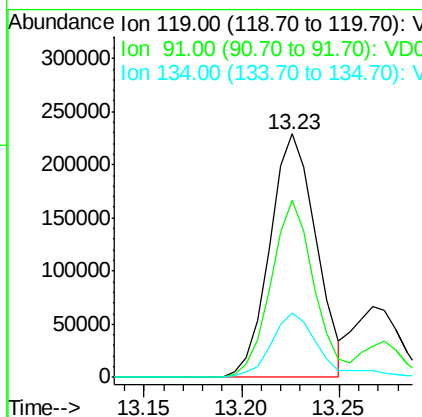
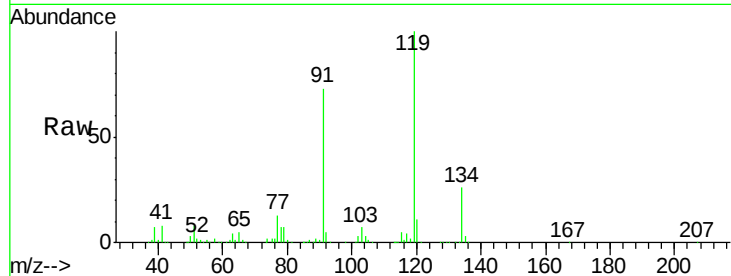
#83
tert-Butylbenzene
Concen: 47.051 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	33.1	99.3
134	27.6	13.6	40.8

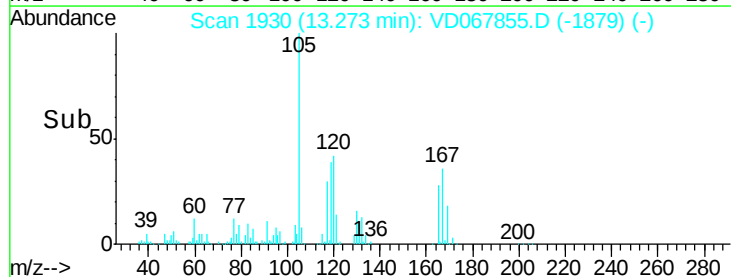
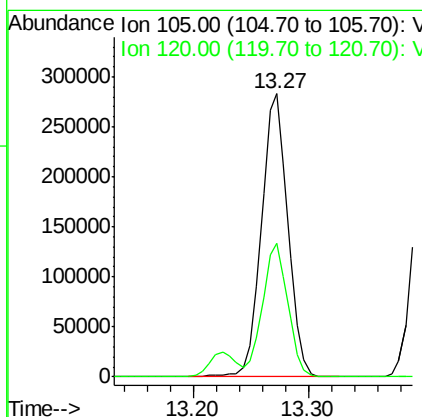
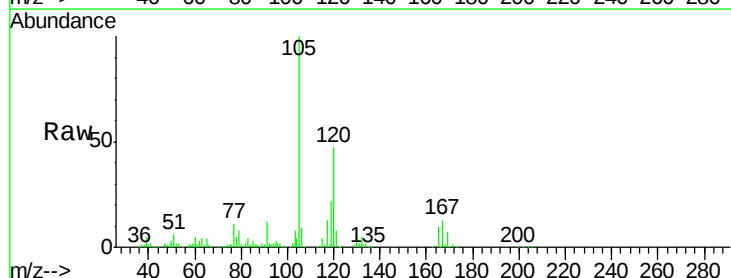
Manual Integrations
APPROVED

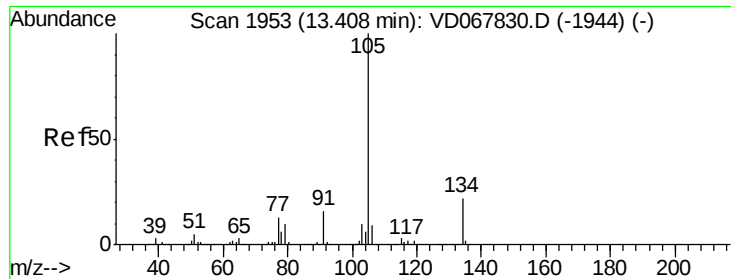
MMDadoda
12/3/2020 9:57:03 AM



#84
1,2,4-Trimethylbenzene
Concen: 48.276 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 45.516 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 485806

Ion Ratio Lower Upper

105 100

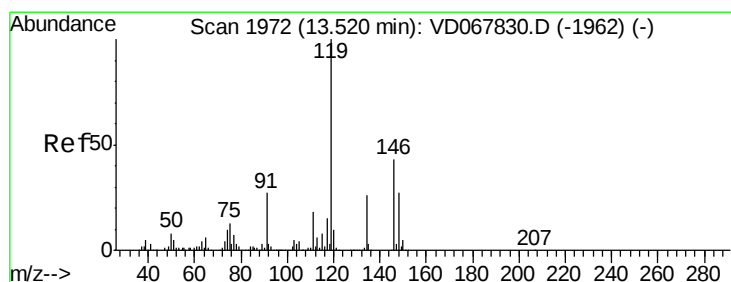
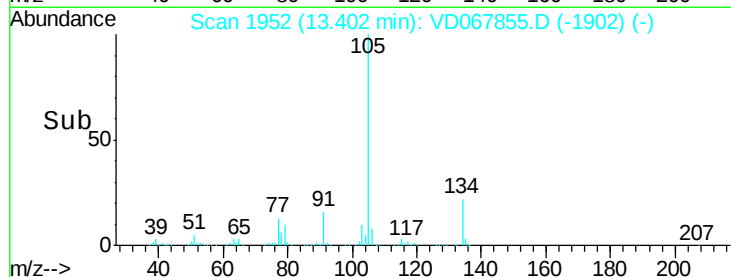
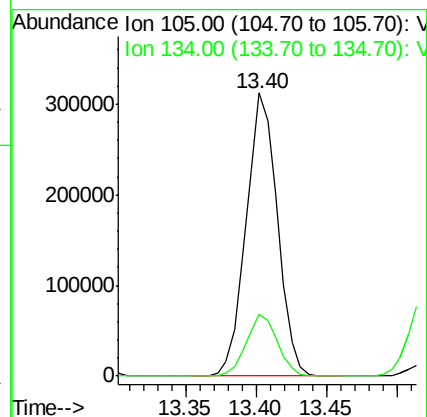
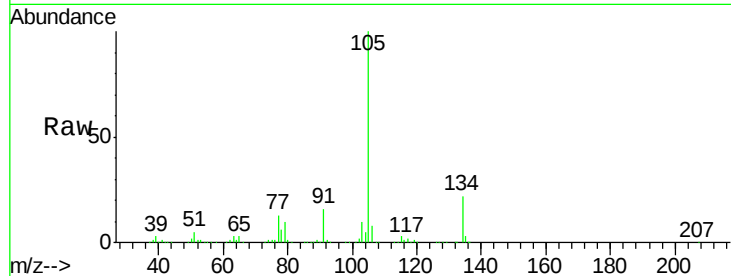
134 21.7 10.9 32.9

Manual Integrations

APPROVED

MMDadoda

12/3/2020 9:57:03 AM



#86

p-Isopropyltoluene

Concen: 45.190 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067855.D

Acq: 03 Dec 2020 00:07

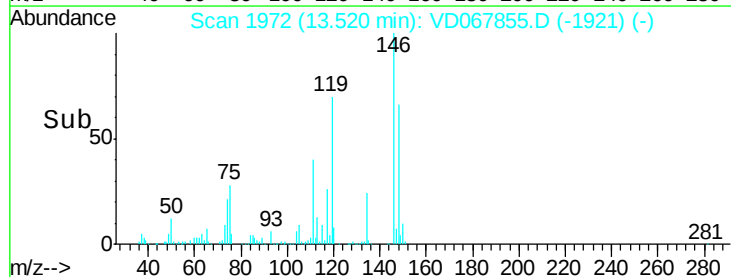
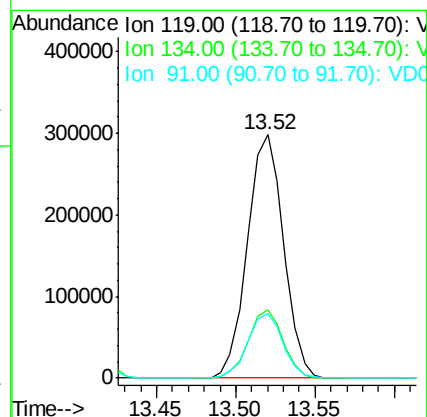
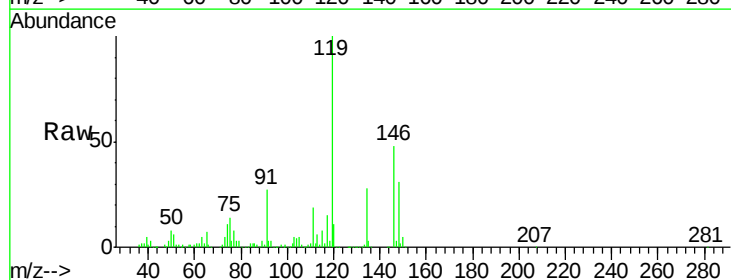
Tgt Ion:119 Resp: 472714

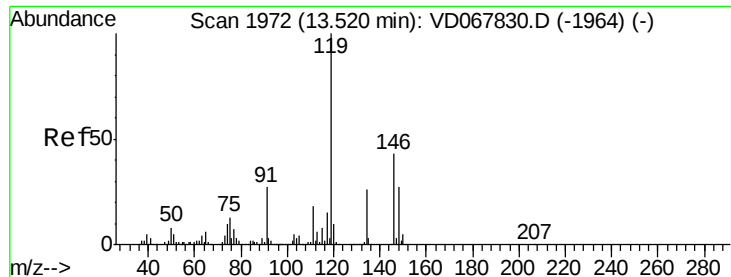
Ion Ratio Lower Upper

119 100

134 27.1 13.1 39.3

91 26.0 12.8 38.3





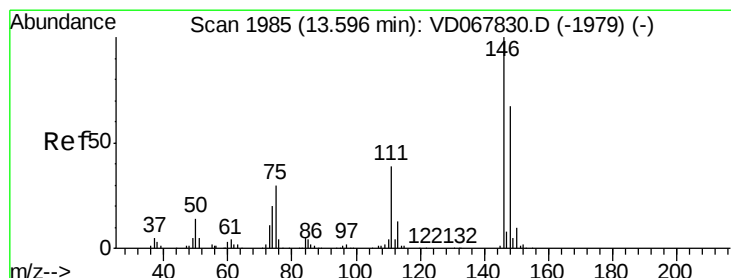
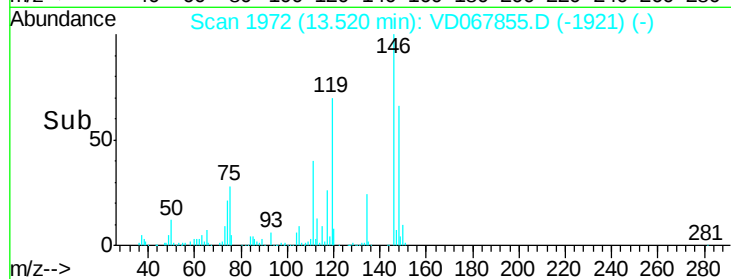
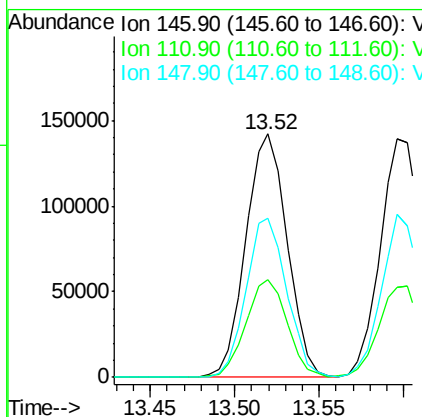
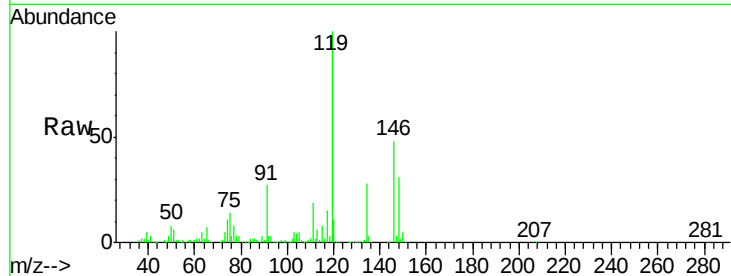
#87
 1,3-Dichlorobenzene
 Concen: 46.565 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.8	62.2
148	64.5	32.9	98.6

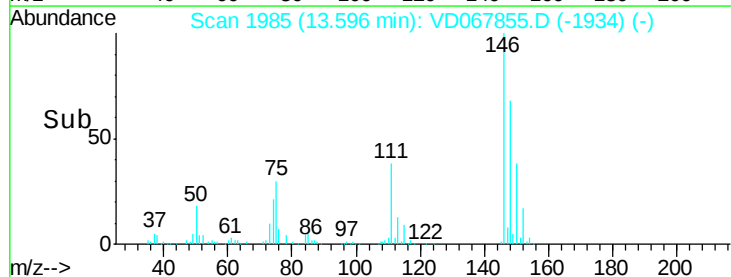
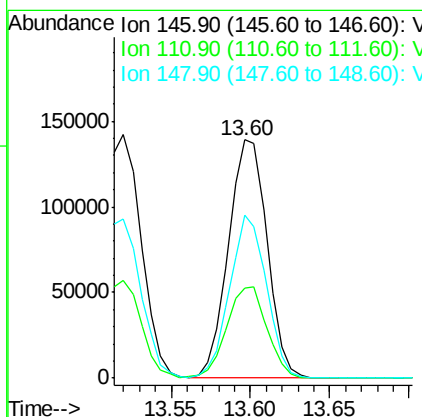
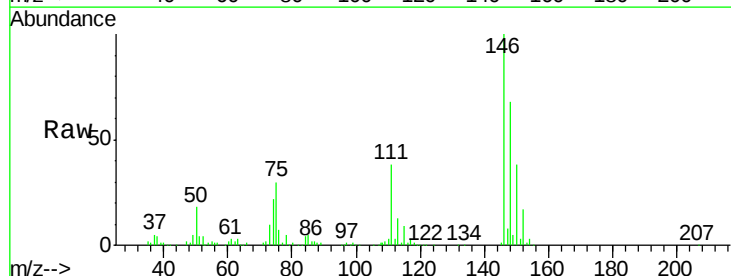
Manual Integrations
 APPROVED

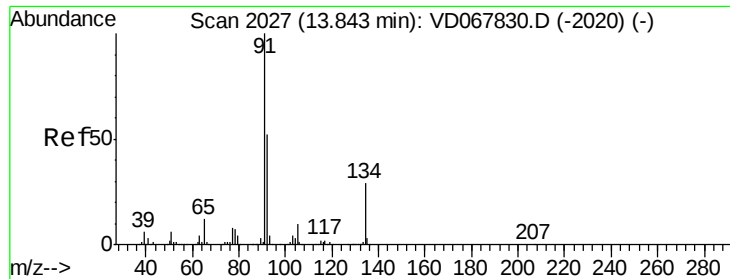
MMDadoda
 12/3/2020 9:57:03 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.261 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.6
148	64.9	32.4	97.2





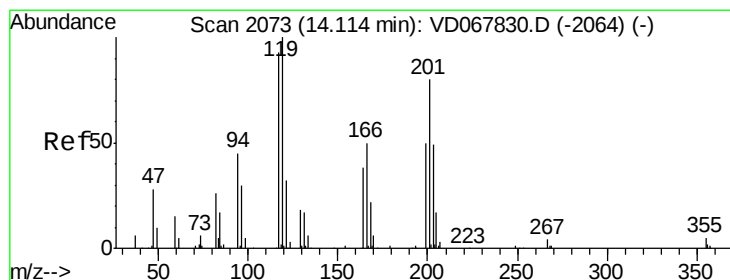
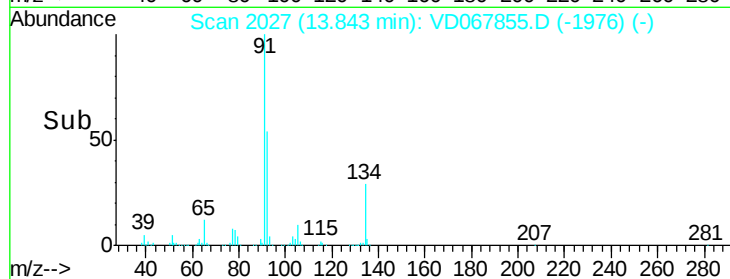
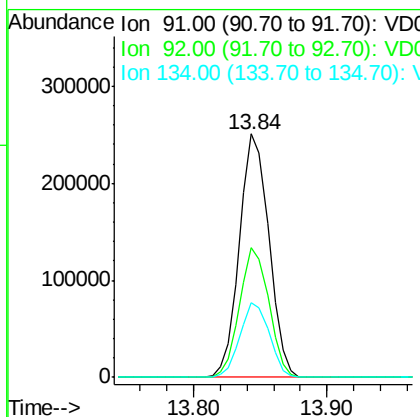
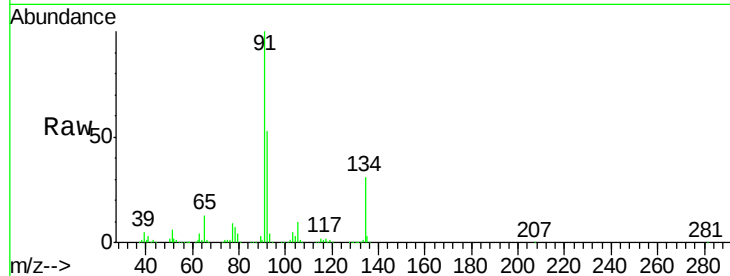
#89
n-Butylbenzene
Concen: 44.286 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.8
134	30.5	14.8	44.3

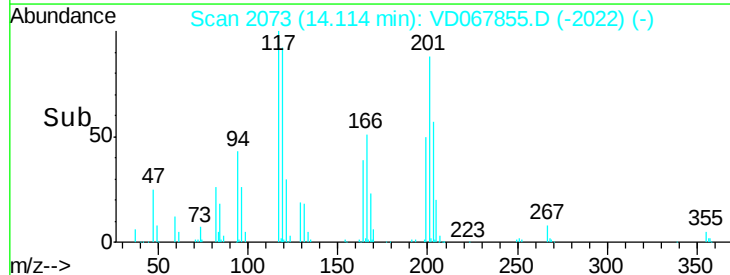
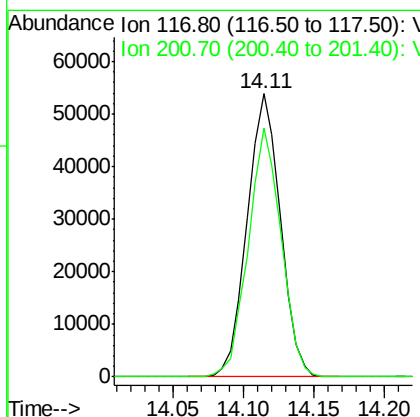
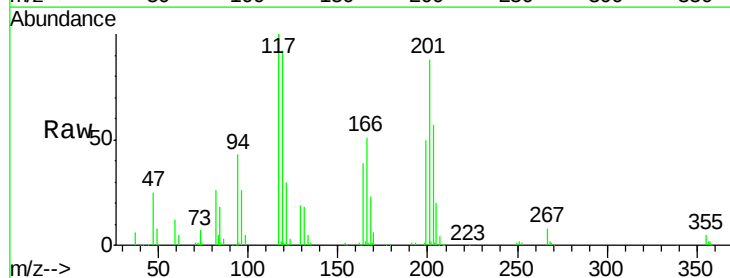
Manual Integrations
APPROVED

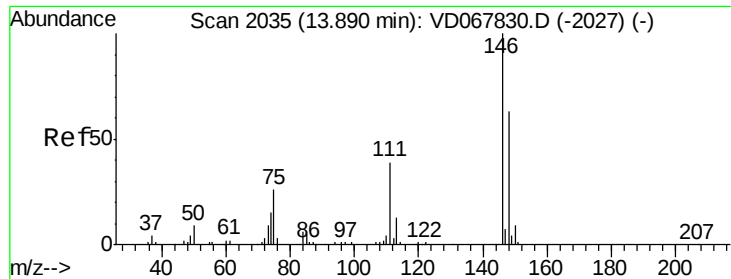
MMDadoda
12/3/2020 9:57:03 AM



#90
Hexachloroethane
Concen: 46.195 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.0	43.9	131.6





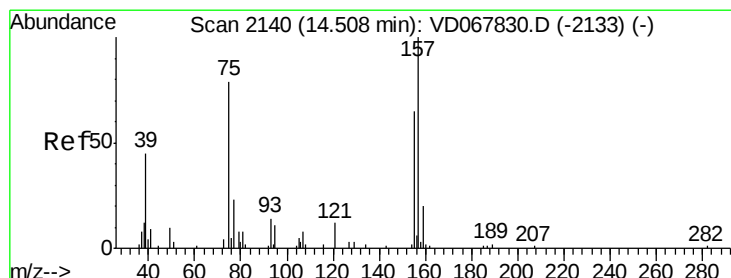
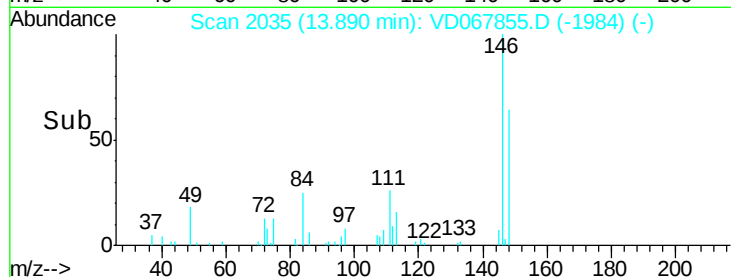
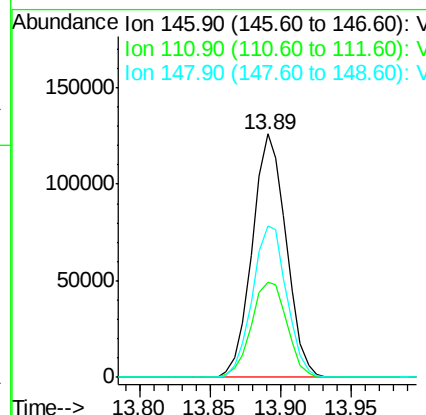
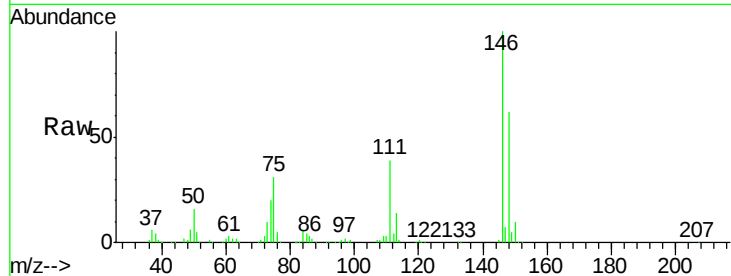
#91
 1,2-Dichlorobenzene
 Concen: 47.090 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.2
148	62.9	32.1	96.3

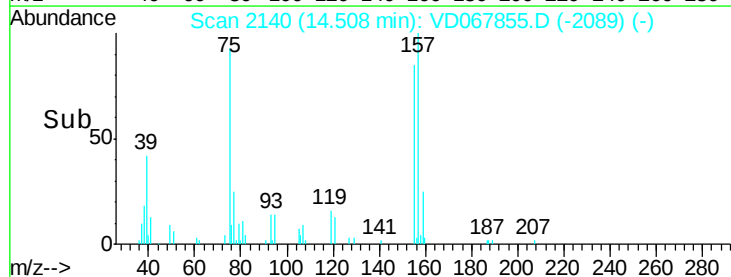
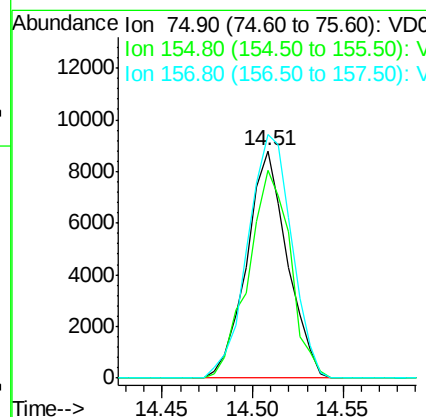
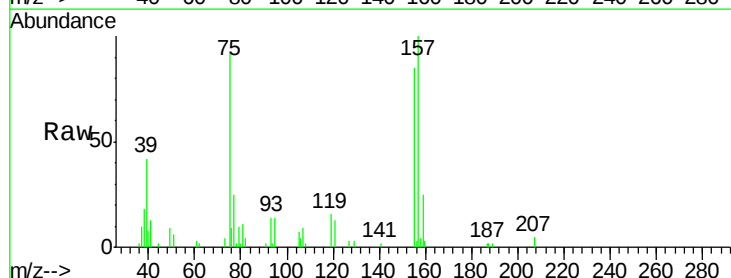
Manual Integrations
 APPROVED

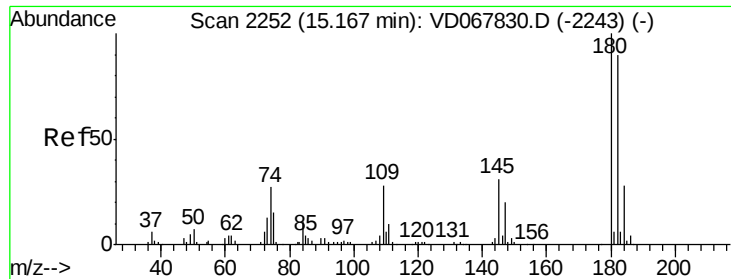
MMDadoda
 12/3/2020 9:57:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.830 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	44.1	132.4
157	116.1	62.4	187.2





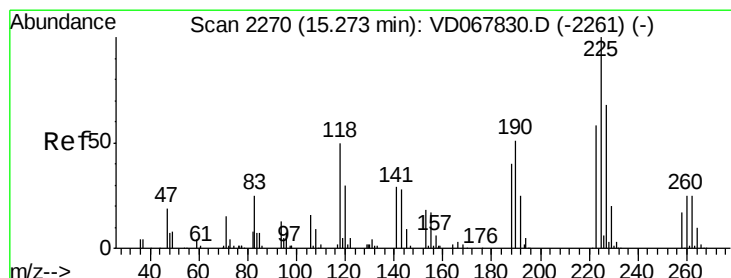
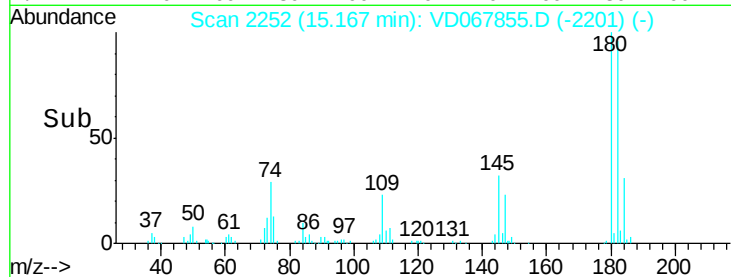
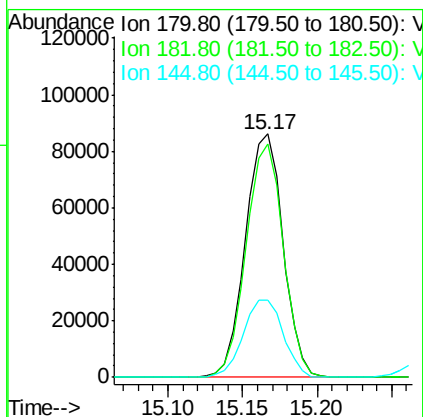
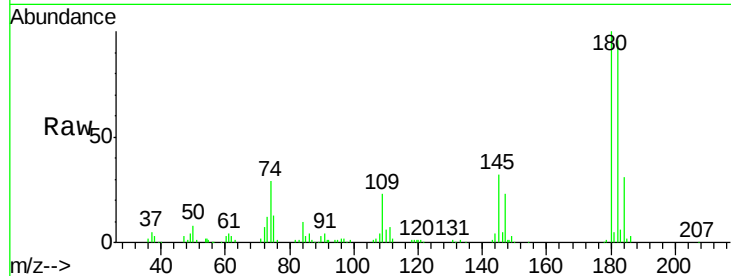
#93
 1,2,4-Trichlorobenzene
 Concen: 47.560 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	150187		
182	94.5	47.5	142.6	
145	33.9	16.4	49.4	

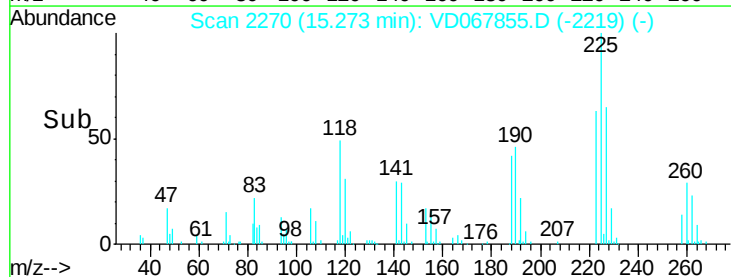
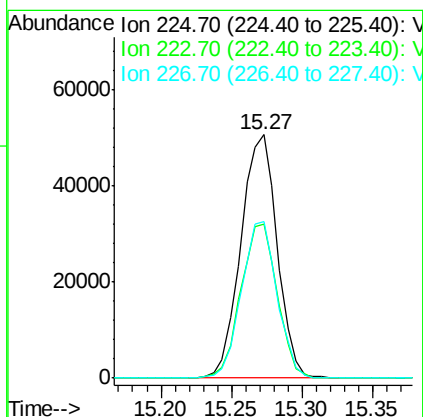
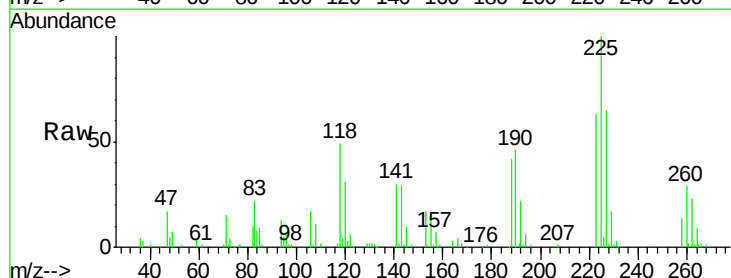
Manual Integrations
 APPROVED

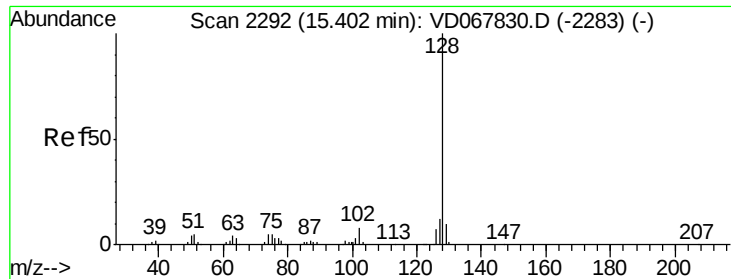
MMDadoda
 12/3/2020 9:57:03 AM



#94
 Hexachlorobutadiene
 Concen: 44.218 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067855.D
 Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91114		
223	63.4	31.1	93.3	
227	62.9	33.1	99.3	





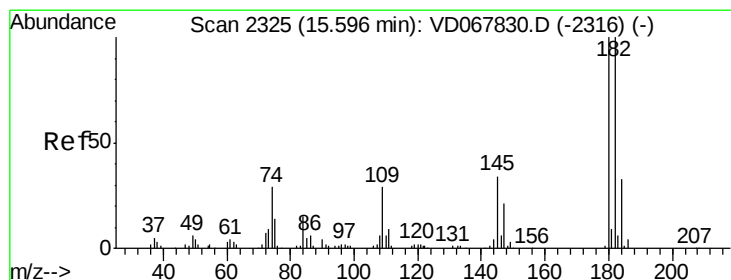
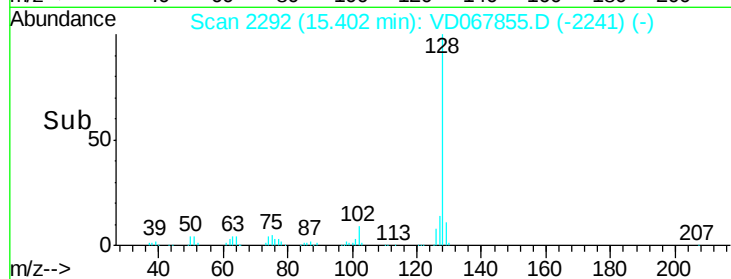
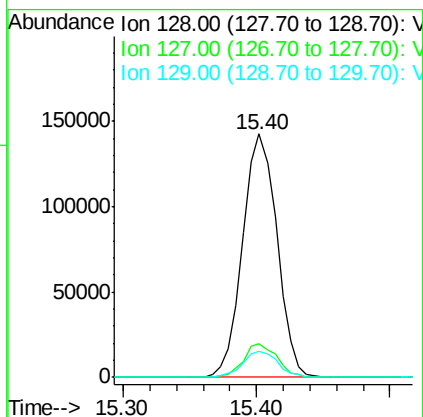
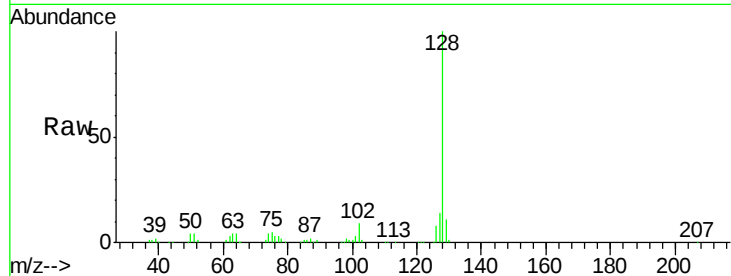
#95
Naphthalene
Concen: 49.382 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	10.9	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
12/3/2020 9:57:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.632 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067855.D
Acq: 03 Dec 2020 00:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	142.0
145	33.7	16.8	50.4

