

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067293.D
 Acq On : 16 Oct 2020 12:23
 Operator : VA/SY
 Sample : VD1016SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2020 11:09:29 AM

Quant Time: Oct 17 00:54:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	330374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	491418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	454581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234716	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	157827	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
35) Dibromofluoromethane	7.92	113	161170	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	10.34	98	589547	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.64	95	206136	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	59826	19.930	ug/l	97
3) Chloromethane	2.21	50	41573	19.995	ug/l	92
4) Vinyl Chloride	2.34	62	42897	18.803	ug/l	92
5) Bromomethane	2.76	94	33462	19.652	ug/l	84
6) Chloroethane	2.91	64	29180	20.538	ug/l	97
7) Trichlorofluoromethane	3.27	101	116114	20.213	ug/l	98
8) Diethyl Ether	3.71	74	26873	20.443	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	61873	20.272	ug/l	99
10) Methyl Iodide	4.30	142	51820	18.406	ug/l #	96
11) Tert butyl alcohol	5.19	59	27579m	140.250	ug/l	
12) 1,1-Dichloroethene	4.06	96	53717	19.701	ug/l	99
13) Acrolein	3.93	56	11707	75.717	ug/l	92
14) Allyl chloride	4.71	41	59666	19.108	ug/l	97
15) Acrylonitrile	5.43	53	46249	105.443	ug/l #	88
16) Acetone	4.16	43	49351	106.464	ug/l	94
17) Carbon Disulfide	4.40	76	150349	19.342	ug/l	98
18) Methyl Acetate	4.72	43	22305	21.096	ug/l	89
19) Methyl tert-butyl Ether	5.48	73	109477	20.193	ug/l	96
20) Methylene Chloride	4.96	84	64220	18.830	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	64081	20.423	ug/l	92
22) Diisopropyl ether	6.37	45	120762	21.171	ug/l	97
23) Vinyl Acetate	6.30	43	342548	105.556	ug/l	100
24) 1,1-Dichloroethane	6.27	63	98240	20.120	ug/l	99
25) 2-Butanone	7.21	43	55570	105.168	ug/l	93
26) 2,2-Dichloropropane	7.21	77	103188	20.503	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	69251	20.138	ug/l	96
28) Bromochloromethane	7.55	49	33628	20.192	ug/l #	99
29) Tetrahydrofuran	7.56	42	31795	108.248	ug/l	97
30) Chloroform	7.71	83	118483	20.313	ug/l	93
31) Cyclohexane	7.98	56	73515	19.284	ug/l #	88
32) 1,1,1-Trichloroethane	7.91	97	114952	20.086	ug/l	97
36) 1,1-Dichloropropene	8.11	75	84611	20.314	ug/l	99
37) Ethyl Acetate	7.30	43	28133	22.957	ug/l	97
38) Carbon Tetrachloride	8.10	117	110200	20.701	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067293.D
 Acq On : 16 Oct 2020 12:23
 Operator : VA/SY
 Sample : VD1016SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1016SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2020 11:09:29 AM

Quant Time: Oct 17 00:54:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	86519	19.870	ug/l	93
40) Benzene	8.36	78	236107	20.663	ug/l	94
41) Methacrylonitrile	7.52	41	13214m	19.954	ug/l	
42) 1,2-Dichloroethane	8.43	62	75099	21.001	ug/l	100
43) Isopropyl Acetate	8.45	43	51942	21.361	ug/l	99
44) Trichloroethene	9.11	130	73958	20.216	ug/l	95
45) 1,2-Dichloropropane	9.39	63	54760	20.678	ug/l	97
46) Dibromomethane	9.48	93	34131	20.686	ug/l	97
47) Bromodichloromethane	9.66	83	92001	20.812	ug/l	98
48) Methyl methacrylate	9.46	41	24625	20.839	ug/l	94
49) 1,4-Dioxane	9.47	88	7830	474.423	ug/l #	70
51) 4-Methyl-2-Pentanone	10.23	43	129874	107.085	ug/l	99
52) Toluene	10.40	92	163682	21.032	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	79614	20.502	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	95382	20.988	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	48334	21.482	ug/l	98
56) Ethyl methacrylate	10.67	69	50667	21.714	ug/l	98
57) 1,3-Dichloropropane	10.95	76	79125	22.098	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	126025	105.280	ug/l	98
59) 2-Hexanone	10.98	43	90725	109.472	ug/l	99
60) Dibromochloromethane	11.14	129	69269	21.111	ug/l	99
61) 1,2-Dibromoethane	11.25	107	47001	21.190	ug/l	99
64) Tetrachloroethene	10.88	164	67884	20.611	ug/l	95
65) Chlorobenzene	11.67	112	184486	21.164	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	74230	21.426	ug/l	99
67) Ethyl Benzene	11.75	91	310326	20.768	ug/l	99
68) m/p-Xylenes	11.86	106	242433	42.131	ug/l	99
69) o-Xylene	12.18	106	110638	20.764	ug/l	95
70) Styrene	12.20	104	197021	21.479	ug/l	99
71) Bromoform	12.36	173	40014	21.499	ug/l #	97
73) Isopropylbenzene	12.48	105	308428	20.705	ug/l	99
74) N-amyl acetate	12.29	43	47083	20.927	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	47698	20.897	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	36704m	22.562	ug/l	
77) Bromobenzene	12.77	156	76400	20.571	ug/l	96
78) n-propylbenzene	12.83	91	363656	21.070	ug/l	100
79) 2-Chlorotoluene	12.91	91	206086	20.590	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	268345	20.729	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15842	22.083	ug/l	94
82) 4-Chlorotoluene	13.01	91	225944	21.269	ug/l	98
83) tert-Butylbenzene	13.23	119	226532	20.716	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	267142	20.879	ug/l	98
85) sec-Butylbenzene	13.41	105	303594	20.234	ug/l	100
86) p-Isopropyltoluene	13.52	119	288714	20.386	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	150571	21.064	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	148847	21.017	ug/l	100
89) n-Butylbenzene	13.85	91	256219	20.565	ug/l	99
90) Hexachloroethane	14.12	117	48937	19.802	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	131503	21.058	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8693	20.964	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101620\
Data File : VD067293.D
Acq On : 16 Oct 2020 12:23
Operator : VA/SY
Sample : VD1016SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBSD01

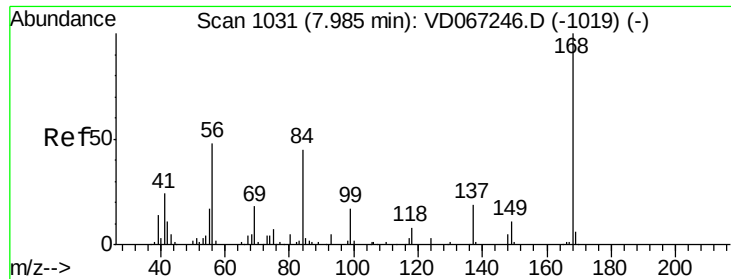
Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:29 AM

Quant Time: Oct 17 00:54:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 14 03:30:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	87274	20.728	ug/l	99
94) Hexachlorobutadiene	15.27	225	52224	19.974	ug/l	96
95) Naphthalene	15.41	128	139997	20.252	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	74020	20.350	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion:168 Resp: 330374

Ion Ratio Lower Upper

168 100

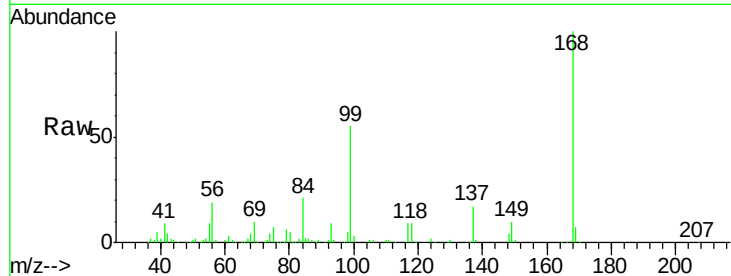
99 54.6 45.9 68.9

Manual Integrations

APPROVED

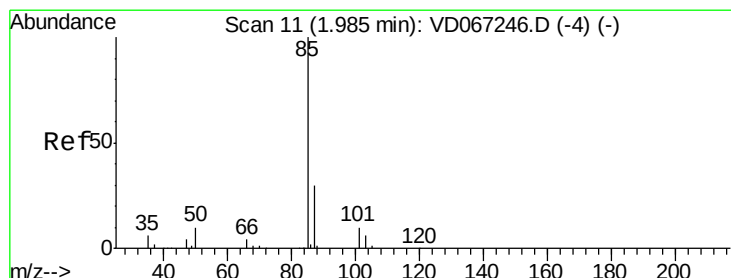
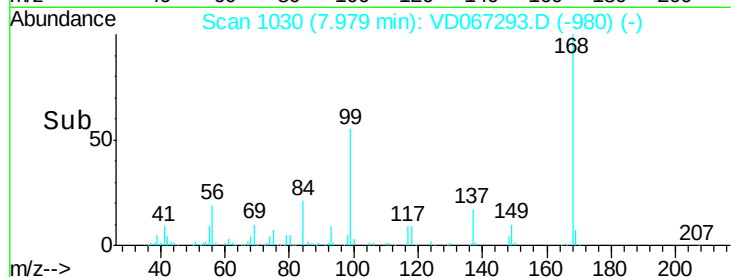
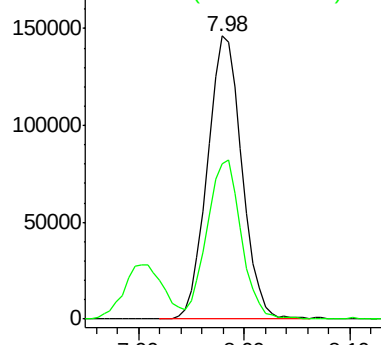
MMDadoda

10/19/2020 11:09:29 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.930 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067293.D

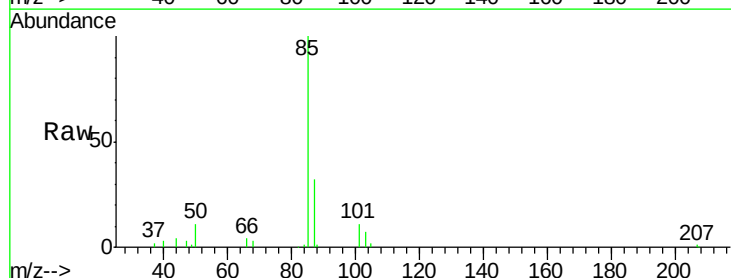
Acq: 16 Oct 2020 12:23

Tgt Ion: 85 Resp: 59826

Ion Ratio Lower Upper

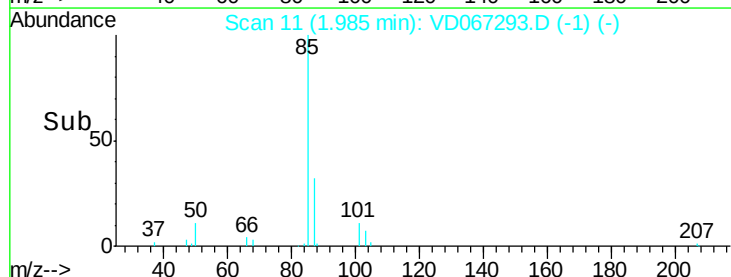
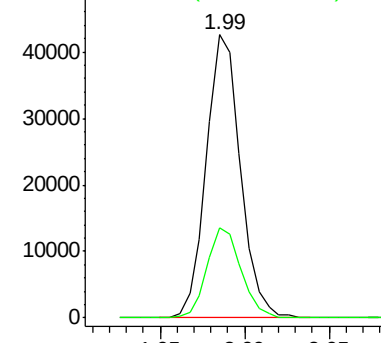
85 100

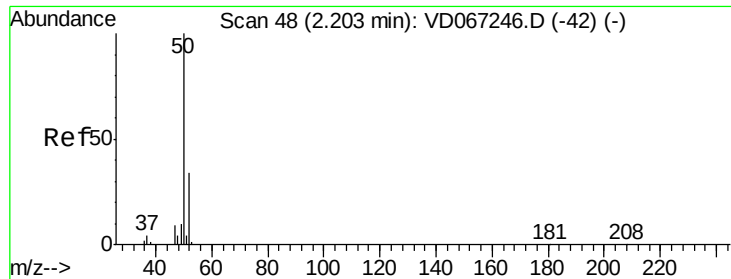
87 32.0 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.995 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 50 Resp: 41573

Ion Ratio Lower Upper

50 100

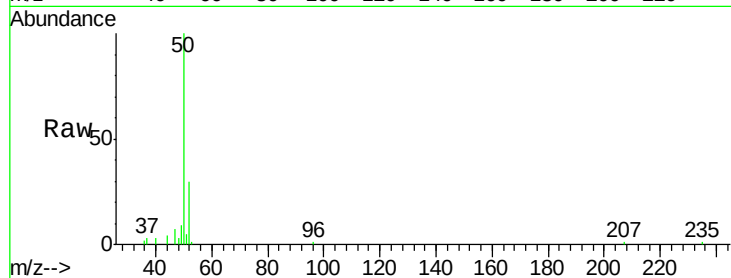
52 29.6 27.1 40.7

Manual Integrations

APPROVED

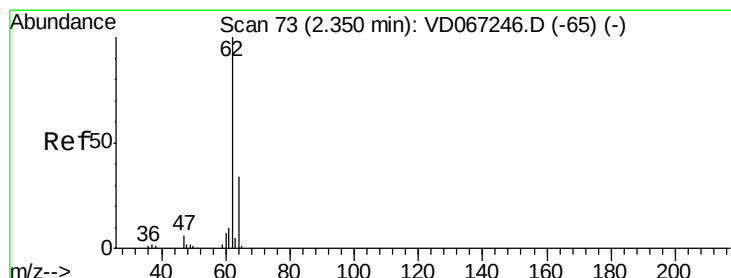
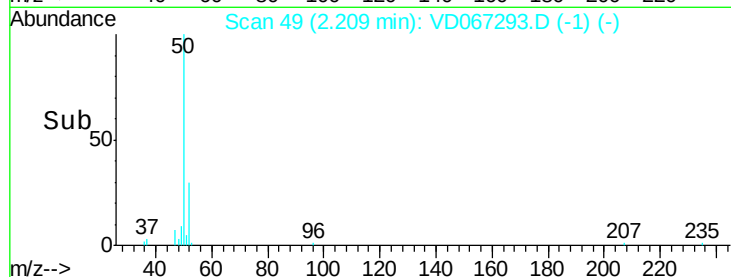
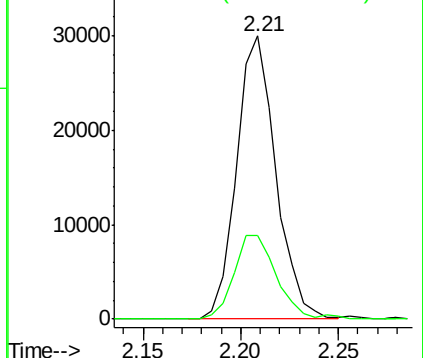
MMDadoda

10/19/2020 11:09:29 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.803 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067293.D

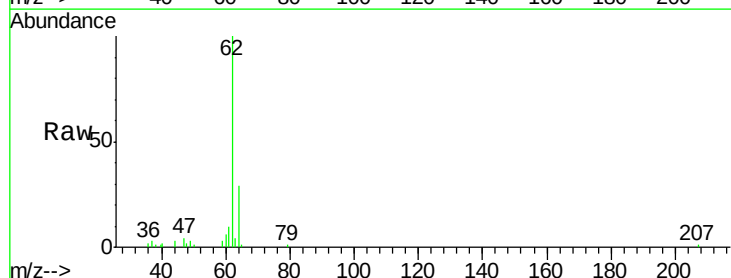
Acq: 16 Oct 2020 12:23

Tgt Ion: 62 Resp: 42897

Ion Ratio Lower Upper

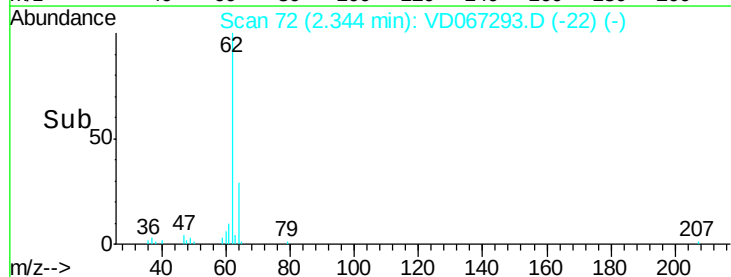
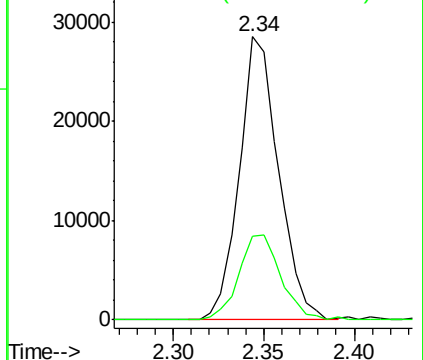
62 100

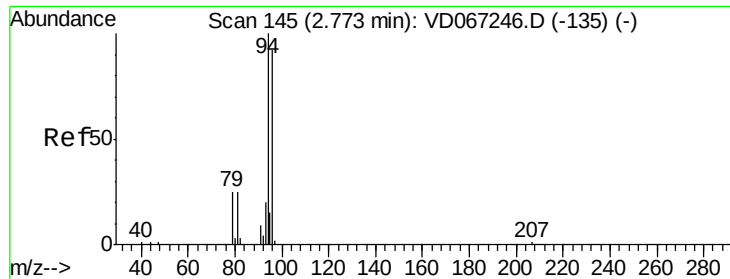
64 29.4 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.652 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 94 Resp: 33462

Ion Ratio Lower Upper

94 100

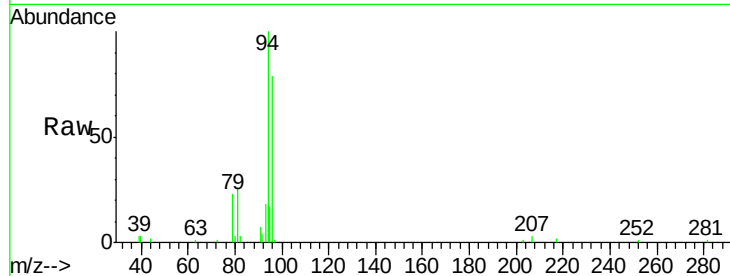
96 77.4 73.8 110.6

Manual Integrations

APPROVED

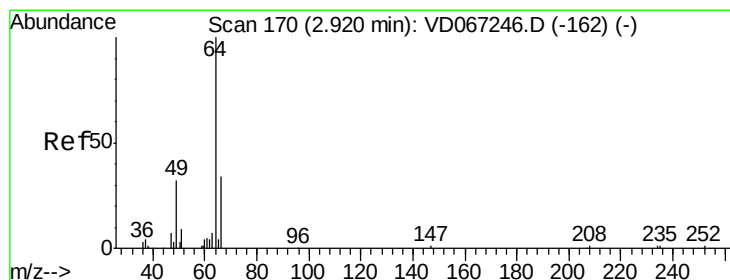
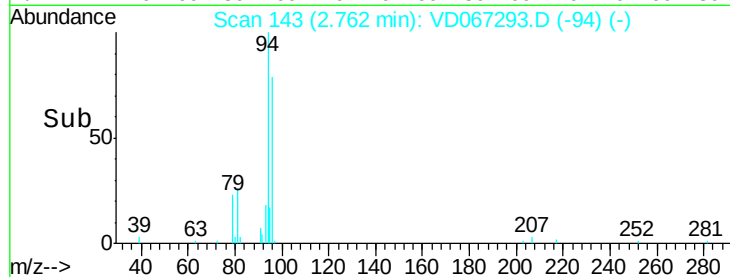
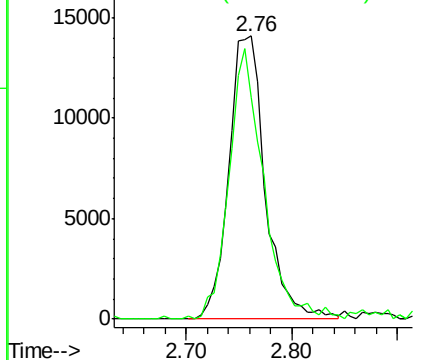
MMDadoda

10/19/2020 11:09:29 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.538 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067293.D

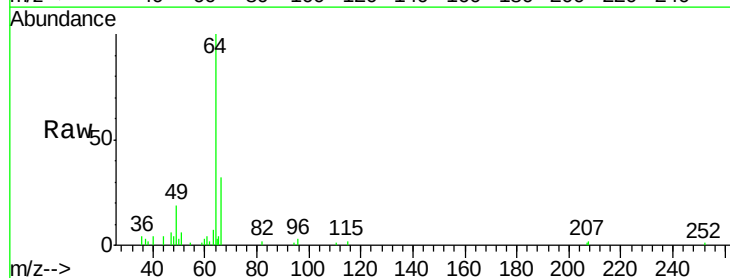
Acq: 16 Oct 2020 12:23

Tgt Ion: 64 Resp: 29180

Ion Ratio Lower Upper

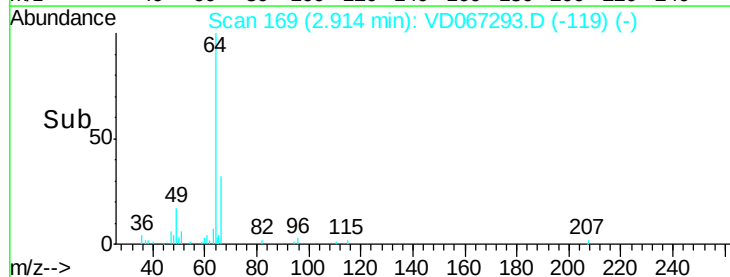
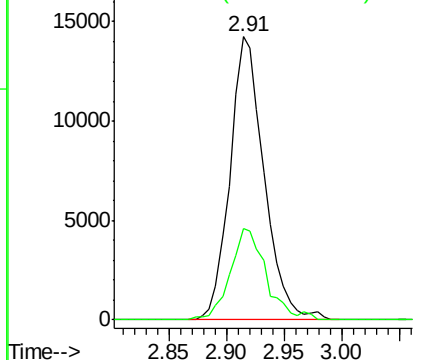
64 100

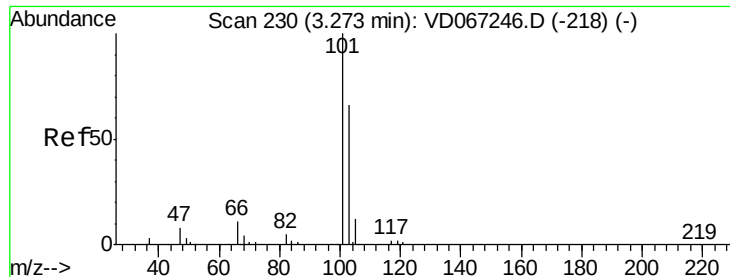
66 32.2 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

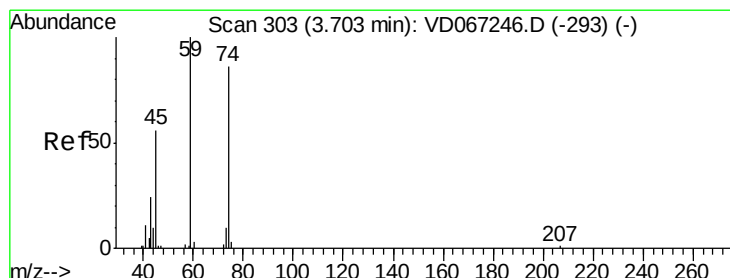
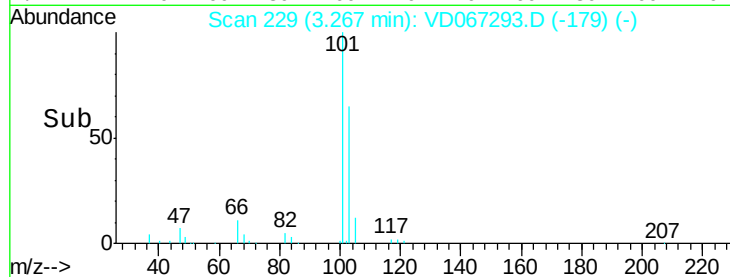
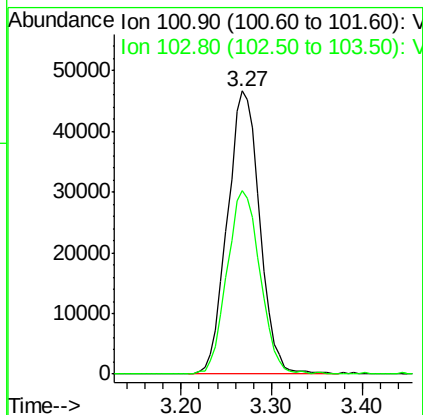
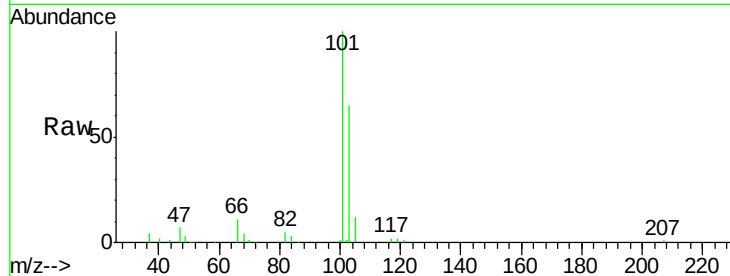
Trichlorofluoromethane
Concen: 20.213 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	116114		
103	64.8	53.1	79.7	

Manual Integrations
APPROVED

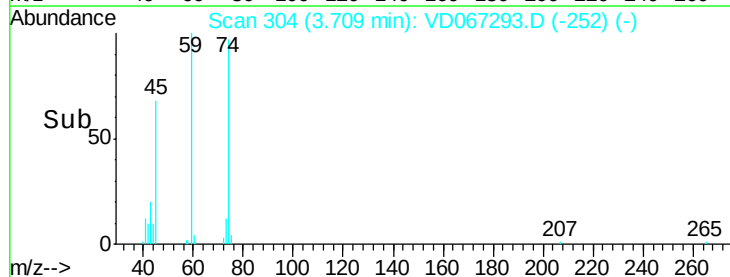
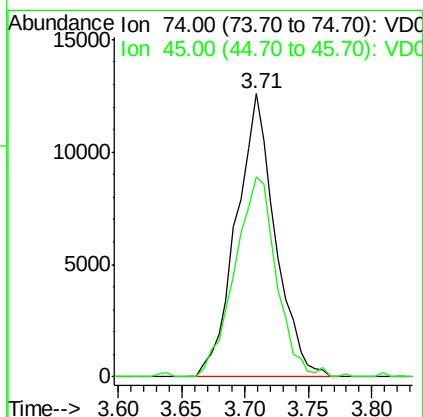
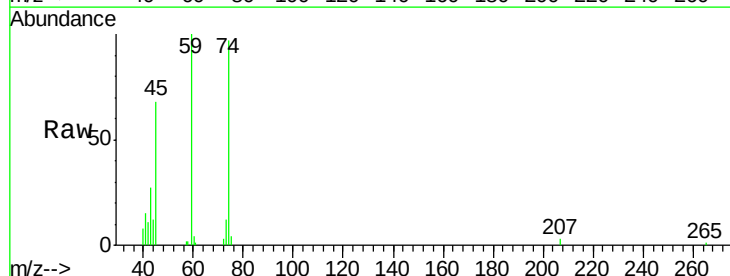
MMDadoda
10/19/2020 11:09:29 AM

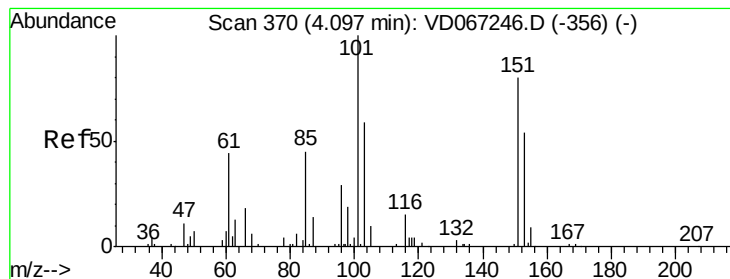


#8

Diethyl Ether
Concen: 20.443 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	26873		
45	75.8	37.0	111.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.272 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

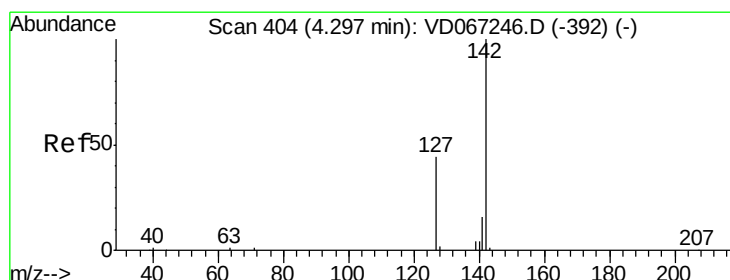
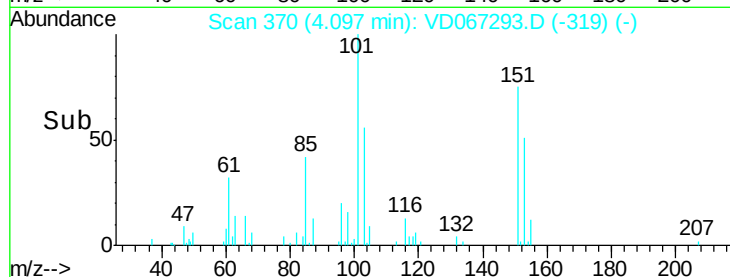
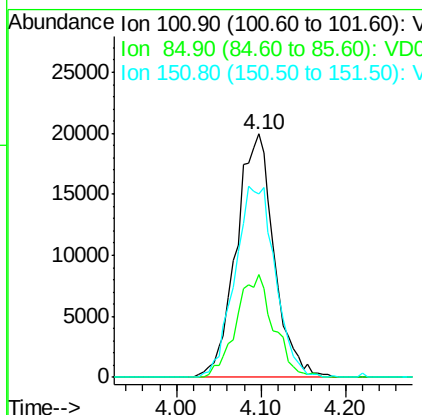
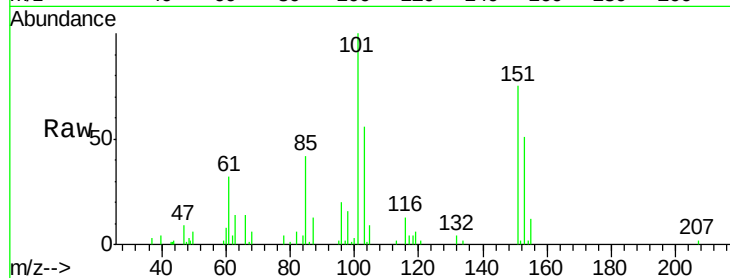
ClientSampleId :

VD1016SBS01

Tot Ion:	101	Resp:	61873
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.2	51.4
151	83.7	66.3	99.5

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:29 AM



#10

Methyl Iodide

Concen: 18.406 ug/l

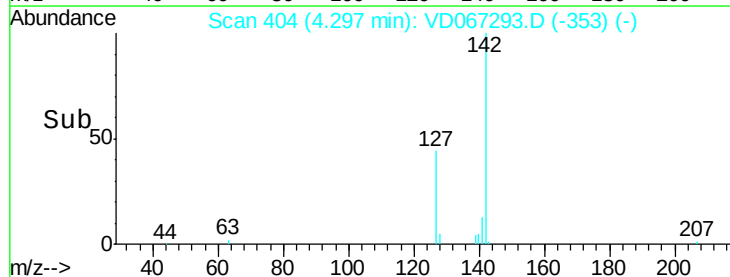
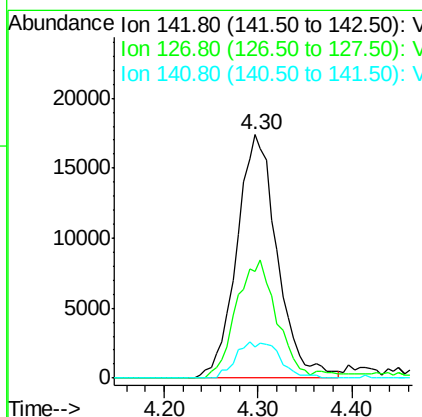
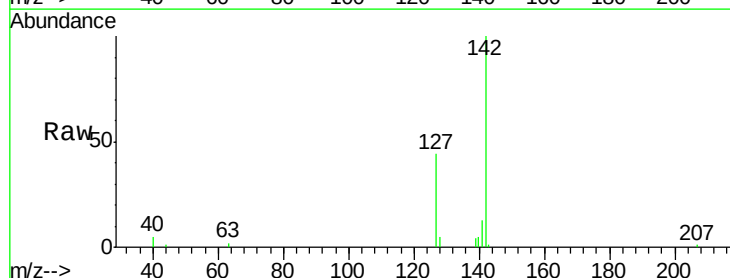
RT: 4.30 min Scan# 404

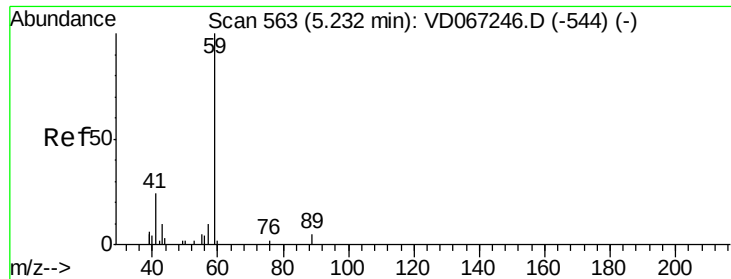
Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Tgt Ion:	142	Resp:	51820
Ion Ratio	Lower	Upper	
142	100		
127	48.1	38.4	57.6
141	7.6	11.6	17.4#





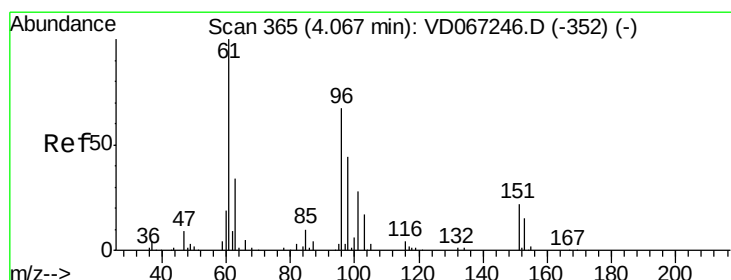
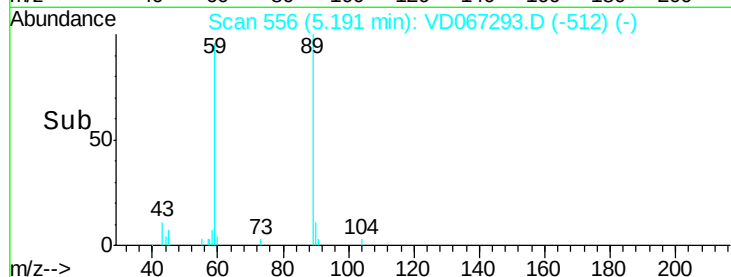
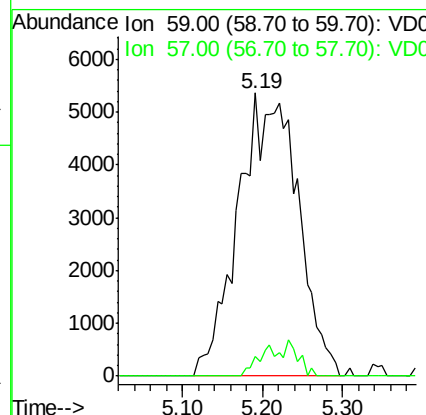
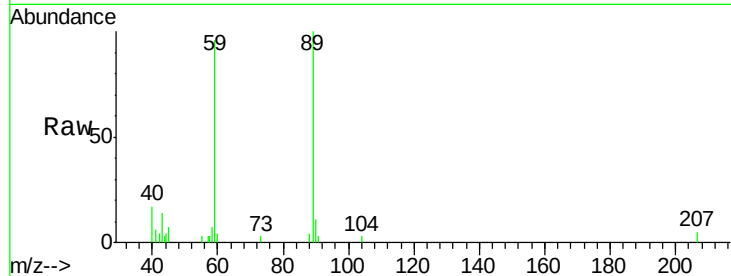
#11
Tert butyl alcohol
Concen: 140.250 ug/l m
RT: 5.19 min Scan# 556
Delta R.T. -0.04 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBSD01

Tot Ion: 59 Resp: 27579
Ion Ratio Lower Upper
59 100
57 4.1 5.1 7.7#

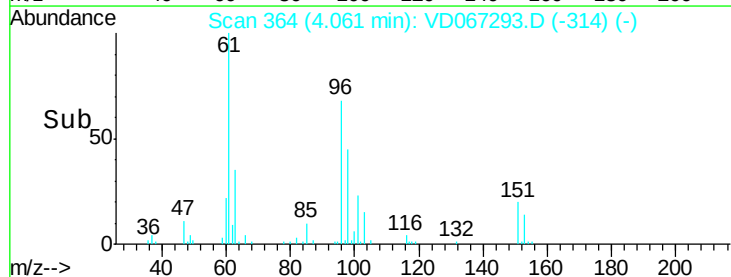
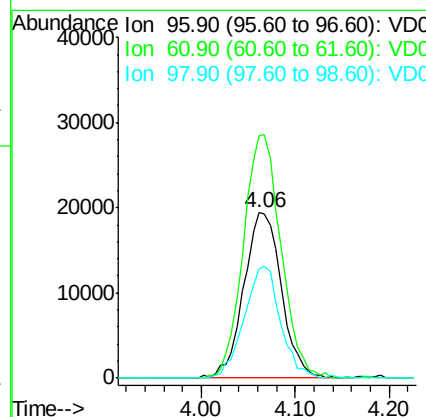
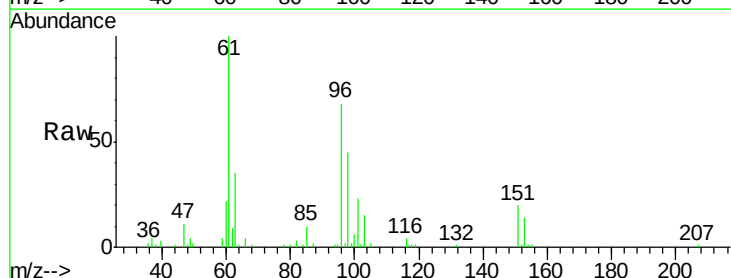
Manual Integrations
APPROVED

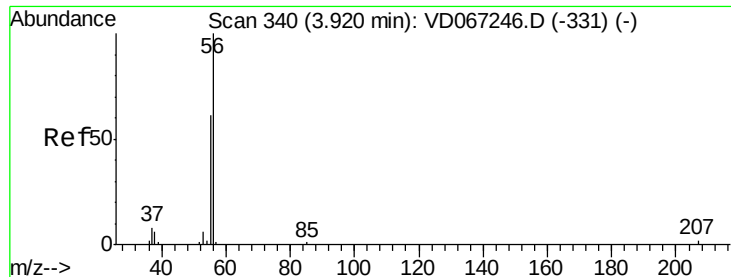
MMDadoda
10/19/2020 11:09:29 AM



#12
1,1-Dichloroethene
Concen: 19.701 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion: 96 Resp: 53717
Ion Ratio Lower Upper
96 100
61 147.0 118.6 177.8
98 66.0 51.8 77.6





#13

Acrolein

Concen: 75.717 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 56 Resp: 11707

Ion Ratio Lower Upper

56 100

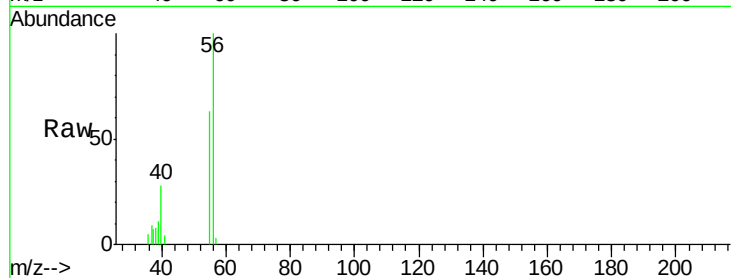
55 76.7 56.0 84.0

Manual Integrations

APPROVED

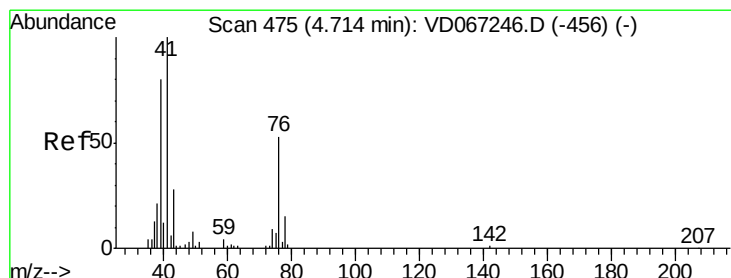
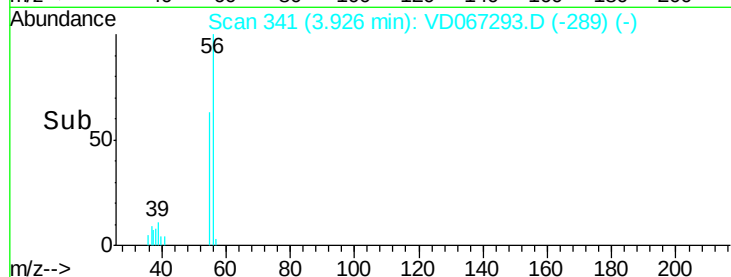
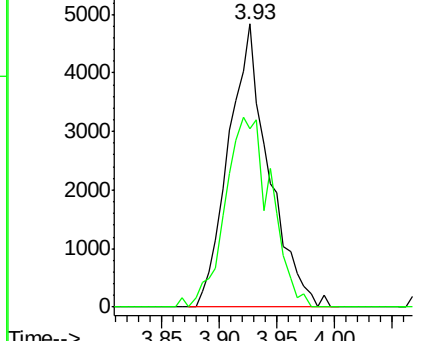
MMDadoda

10/19/2020 11:09:29 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.108 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

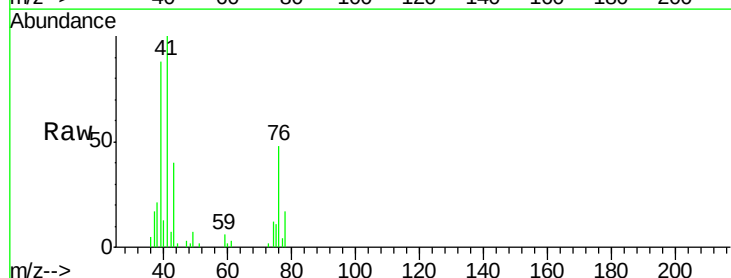
Tgt Ion: 41 Resp: 59666

Ion Ratio Lower Upper

41 100

39 84.0 63.8 95.6

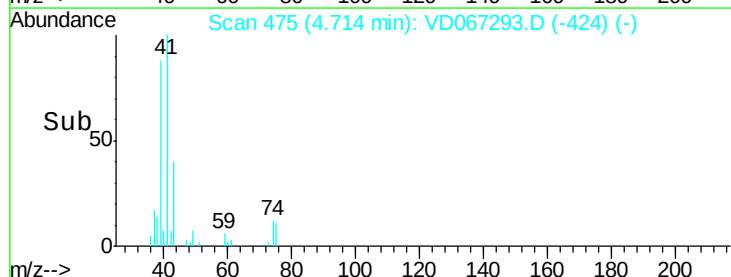
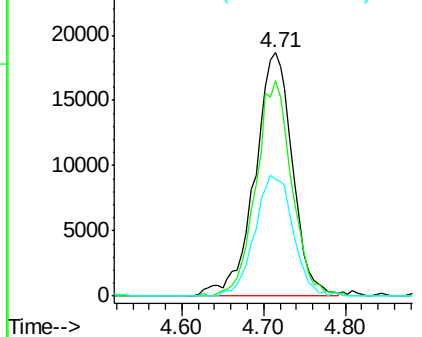
76 50.0 40.4 60.6

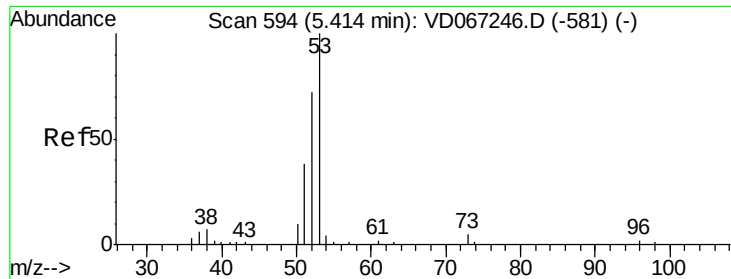


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 105.443 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

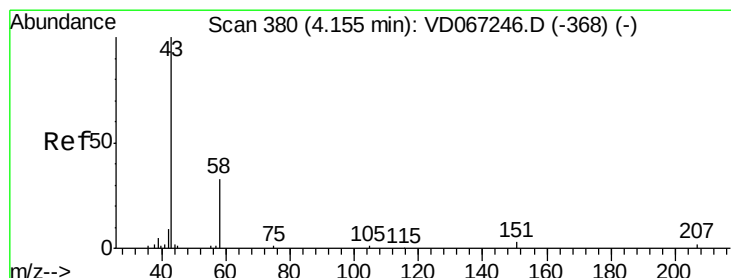
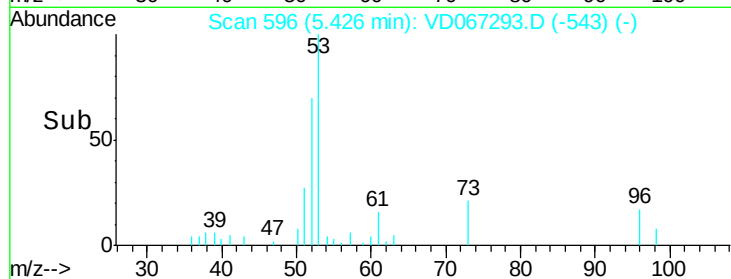
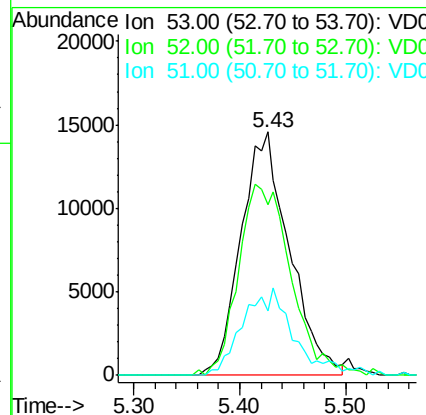
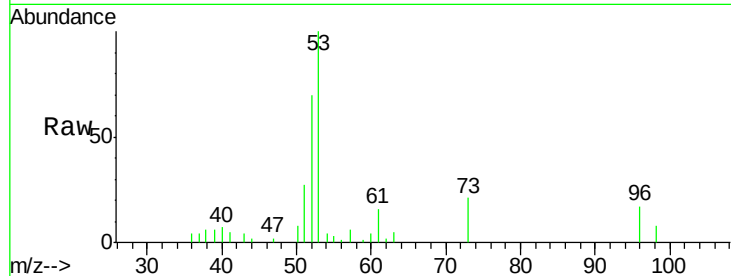
ClientSampleId :

VD1016SBS01

Tot Ion:	53	Resp:	46249
Ion	Ratio	Lower	Upper
53	100		
52	84.8	65.6	98.4
51	19.5	30.8	46.2#

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:29 AM



#16

Acetone

Concen: 106.464 ug/l

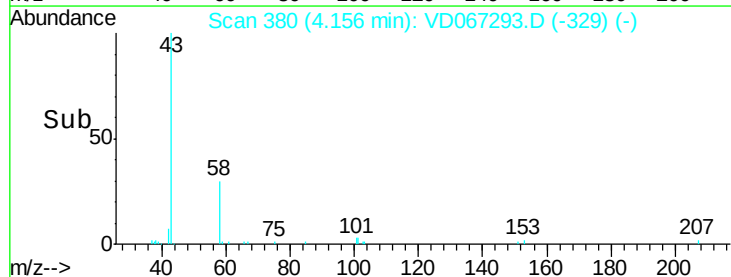
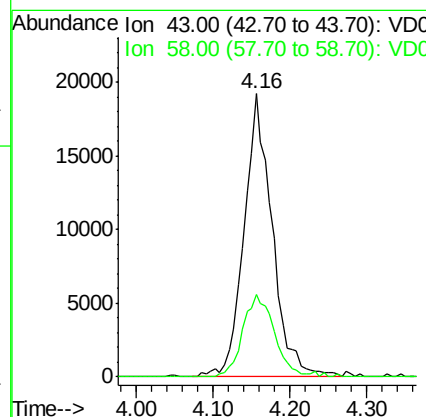
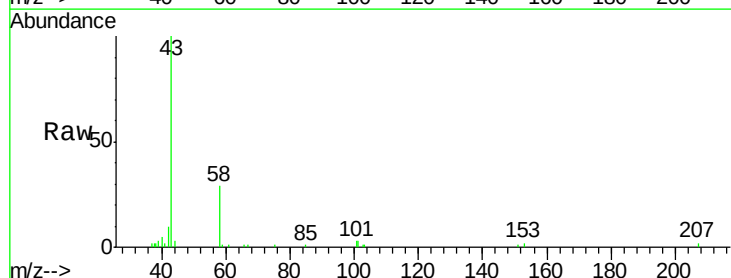
RT: 4.16 min Scan# 380

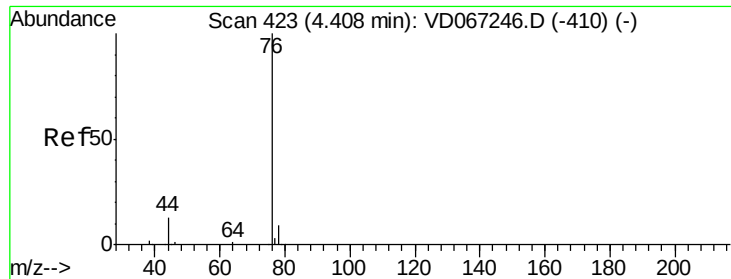
Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Tgt Ion:	43	Resp:	49351
Ion	Ratio	Lower	Upper
43	100		
58	29.0	26.1	39.1





#17

Carbon Disulfide

Concen: 19.342 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 76 Resp: 150349

Ion Ratio Lower Upper

76 100

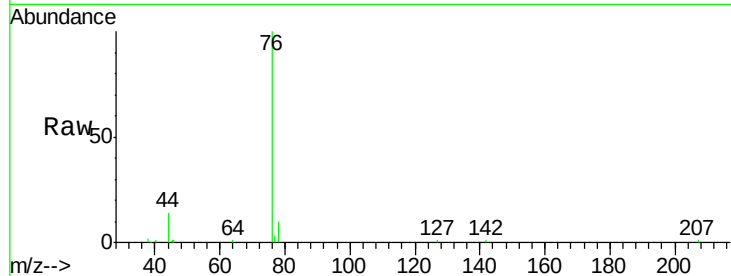
78 9.9 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

10/19/2020 11:09:29 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

60000

50000

40000

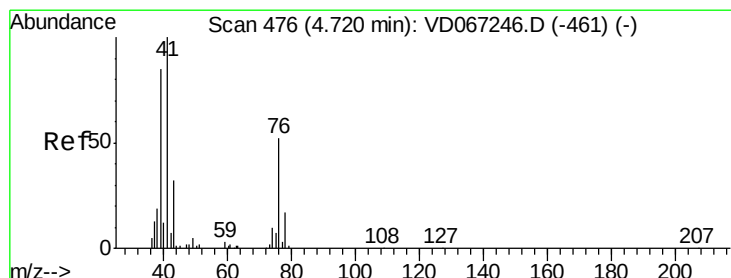
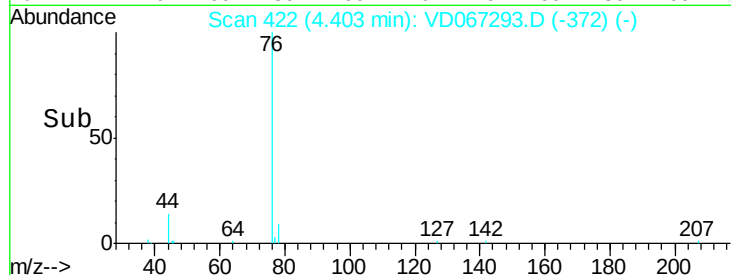
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 21.096 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067293.D

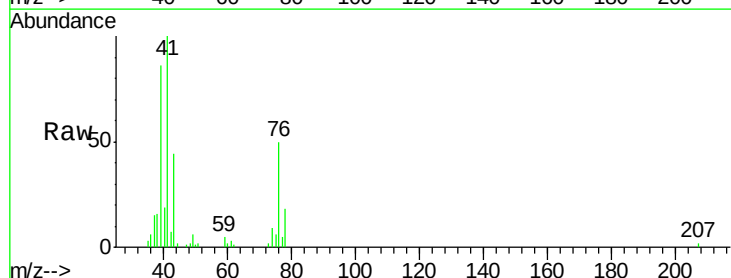
Acq: 16 Oct 2020 12:23

Tgt Ion: 43 Resp: 22305

Ion Ratio Lower Upper

43 100

74 27.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

8000

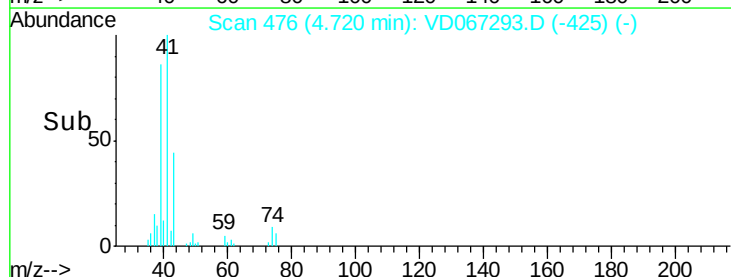
6000

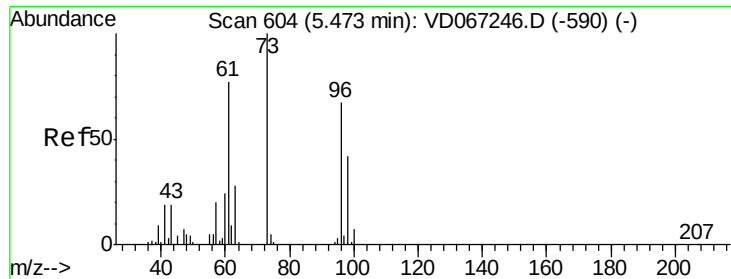
4000

2000

0

Time-->





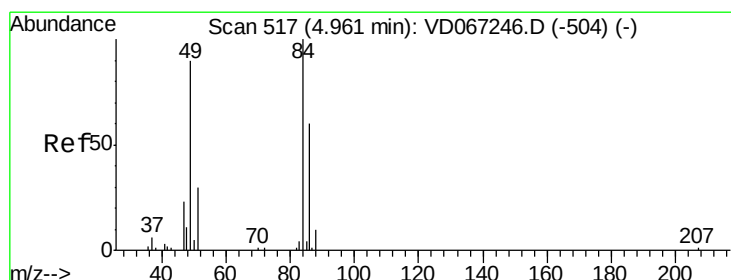
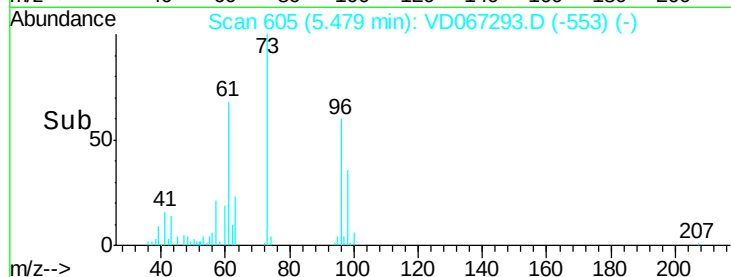
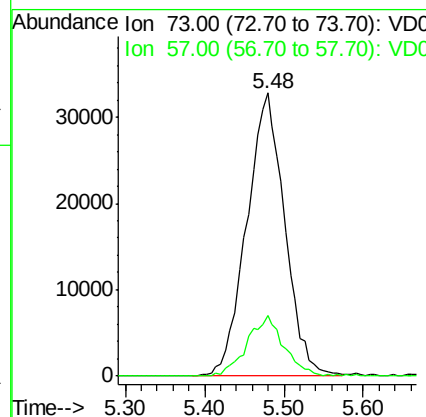
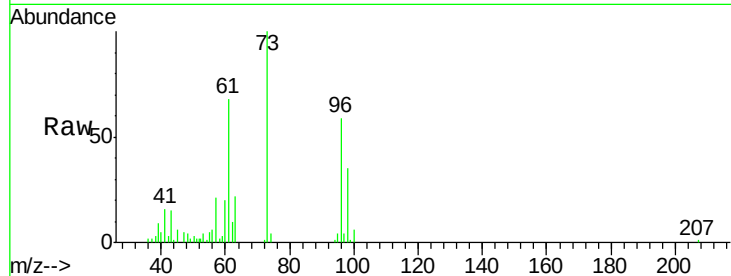
#19
Methyl tert-butyl Ether
Concen: 20.193 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion: 73 Resp: 109477
Ion Ratio Lower Upper
73 100
57 21.2 15.7 23.5

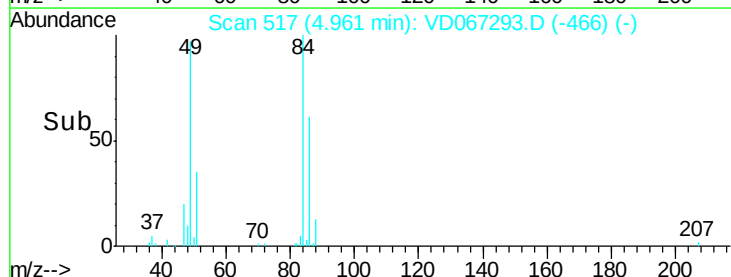
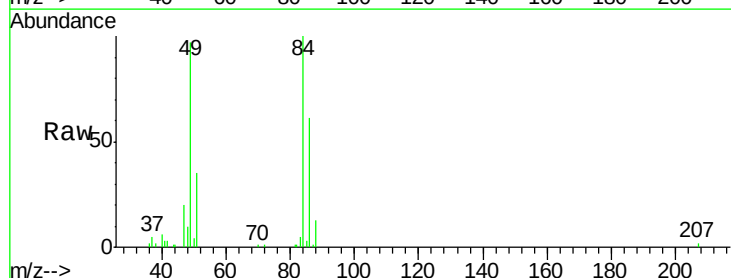
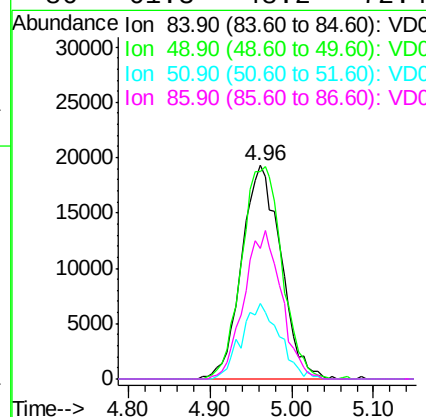
Manual Integrations
APPROVED

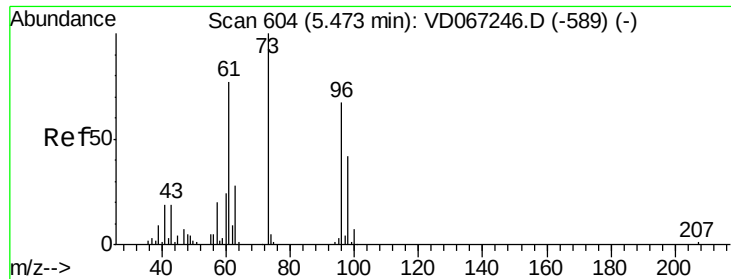
MMDadoda
10/19/2020 11:09:29 AM



#20
Methylene Chloride
Concen: 18.830 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion: 84 Resp: 64220
Ion Ratio Lower Upper
84 100
49 96.8 72.2 108.2
51 35.2 23.8 35.8
86 61.3 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.423 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

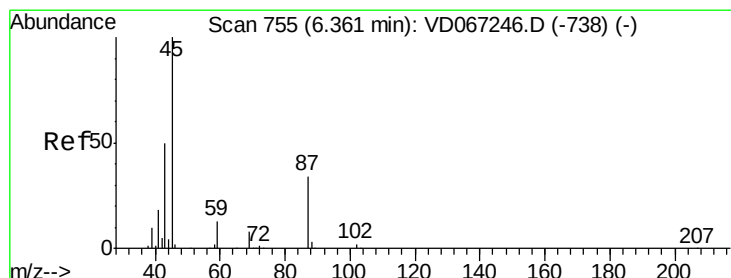
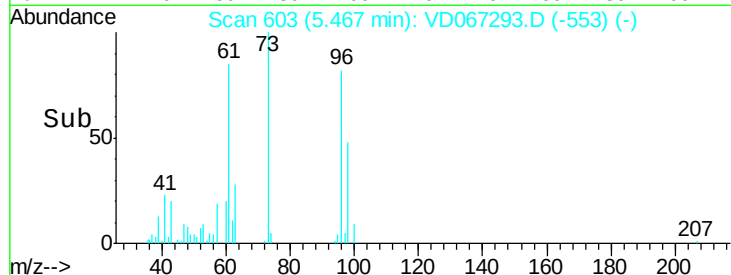
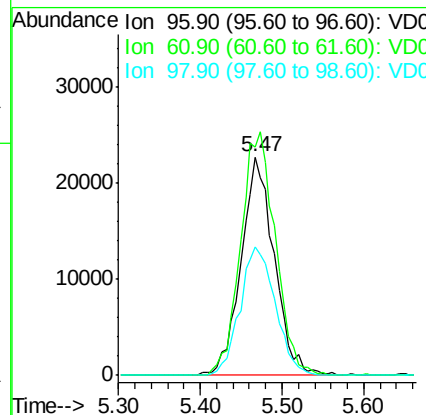
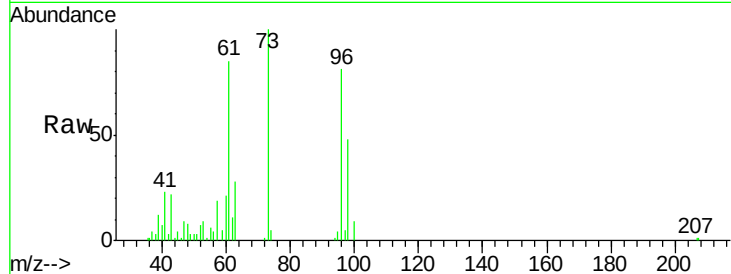
ClientSampleId :

VD1016SBS01

Tot Ion:	96	Resp:	64081
Ion	Ratio	Lower	Upper
96	100		
61	104.5	92.0	138.0
98	58.7	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:29 AM



#22

Diisopropyl ether

Concen: 21.171 ug/l

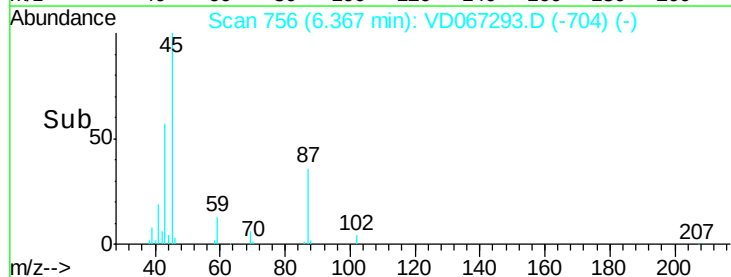
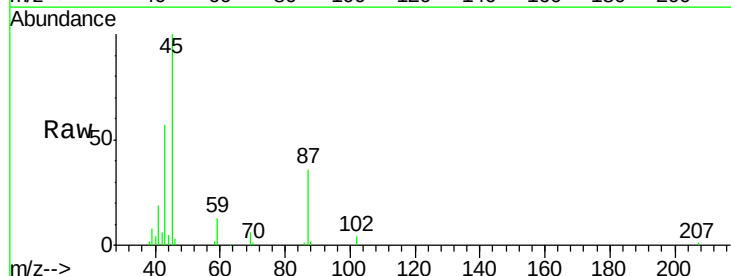
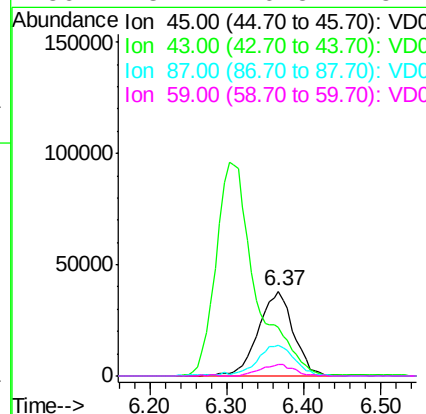
RT: 6.37 min Scan# 756

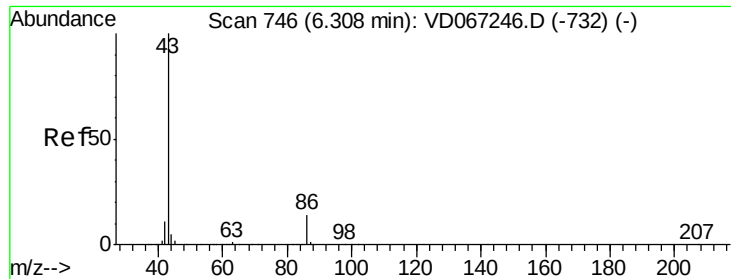
Delta R.T. 0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Tgt Ion:	45	Resp:	120762
Ion	Ratio	Lower	Upper
45	100		
43	55.7	48.0	72.0
87	35.8	28.5	42.7
59	13.4	10.5	15.7





#23

Vinyl Acetate

Concen: 105.556 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleID :

VD1016SBS01

Tot Ion: 43 Resp: 342548

Ion Ratio Lower Upper

43 100

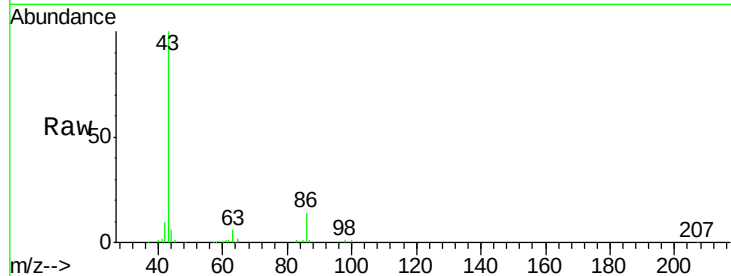
86 13.8 11.0 16.6

Manual Integrations

APPROVED

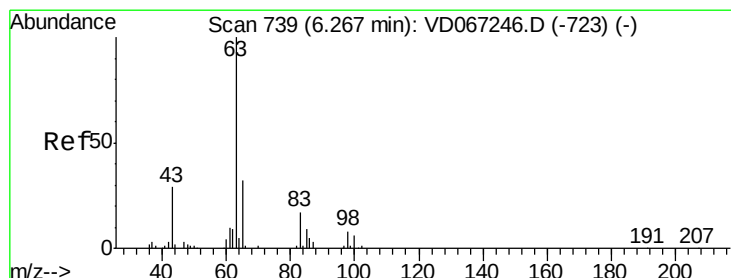
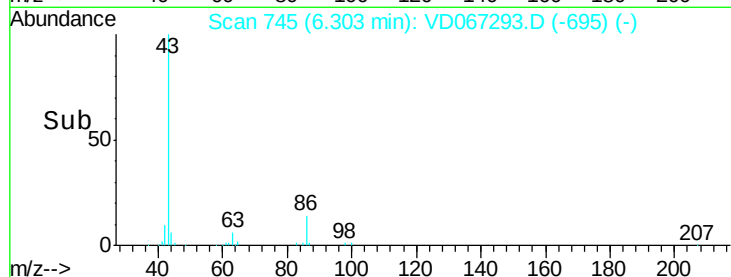
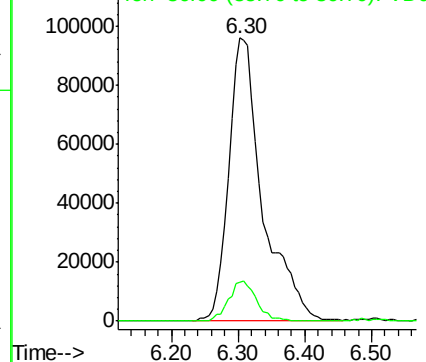
MMDadoda

10/19/2020 11:09:29 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.120 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

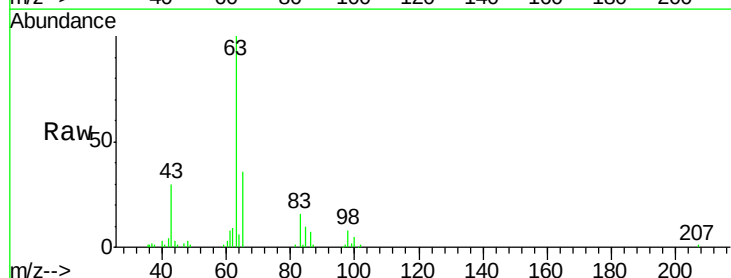
Tgt Ion: 63 Resp: 98240

Ion Ratio Lower Upper

63 100

98 8.3 4.0 12.2

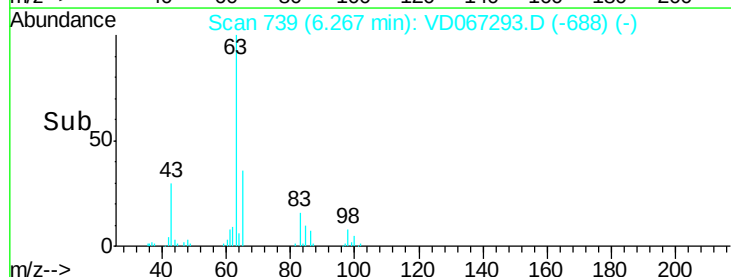
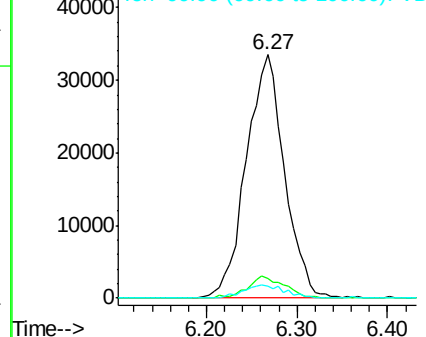
100 4.8 2.8 8.4

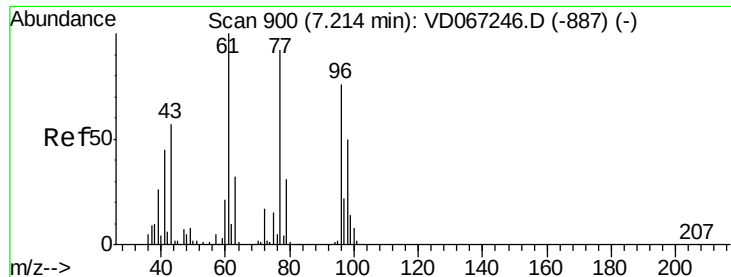


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 105.168 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 43 Resp: 55570

Ion Ratio Lower Upper

43 100

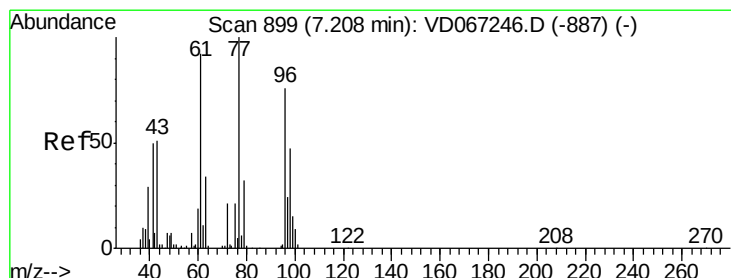
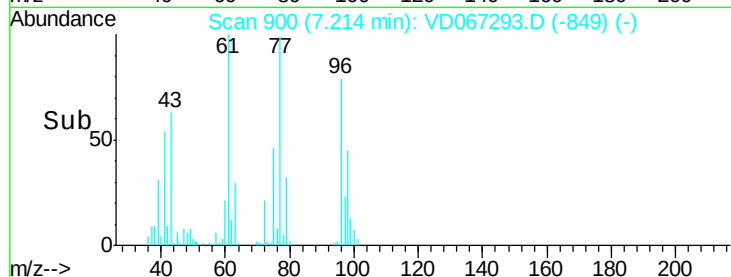
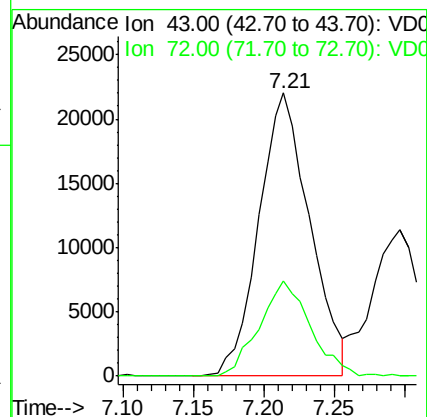
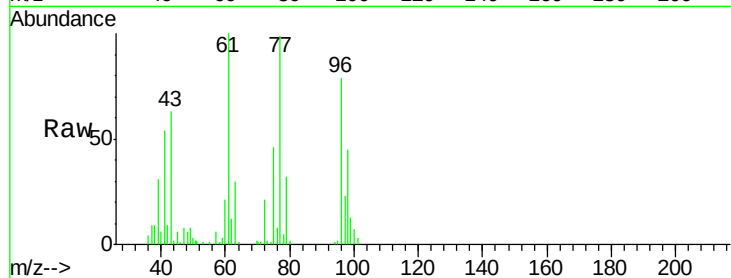
72 33.5 23.7 35.5

Manual Integrations

APPROVED

MMDadoda

10/19/2020 11:09:29 AM



#26

2,2-Dichloropropane

Concen: 20.503 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067293.D

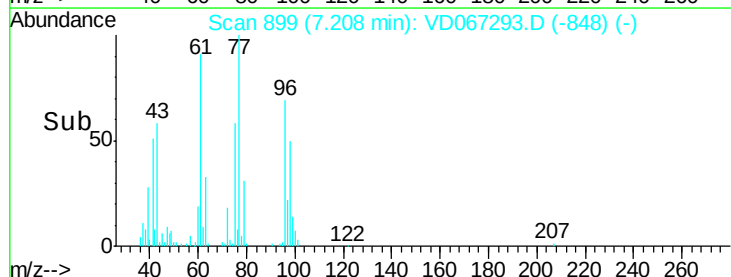
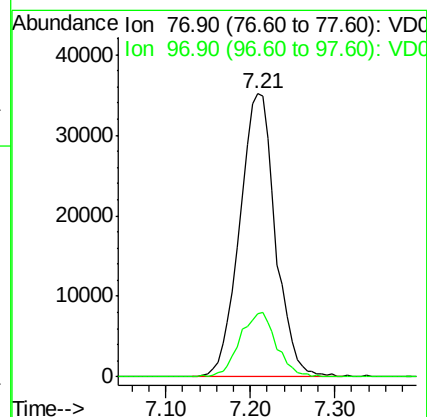
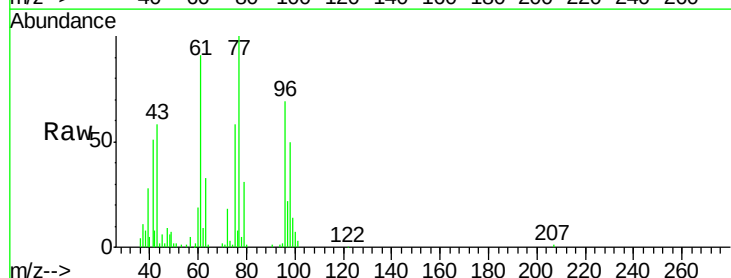
Acq: 16 Oct 2020 12:23

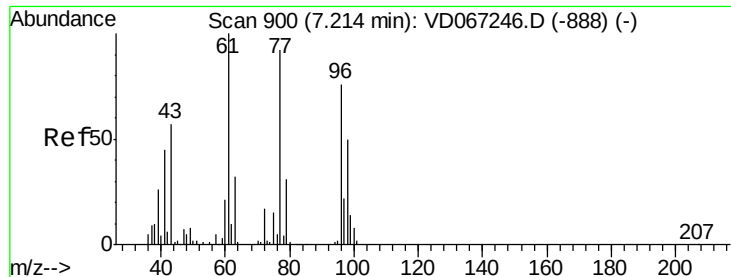
Tgt Ion: 77 Resp: 103188

Ion Ratio Lower Upper

77 100

97 23.1 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.138 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

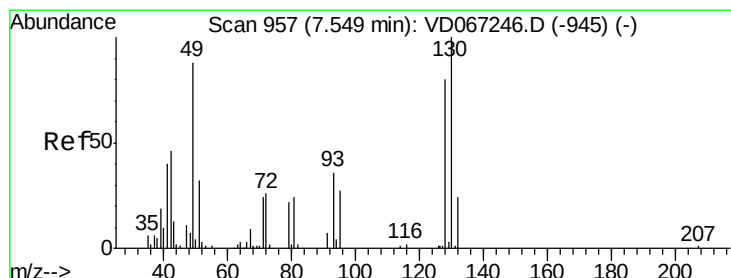
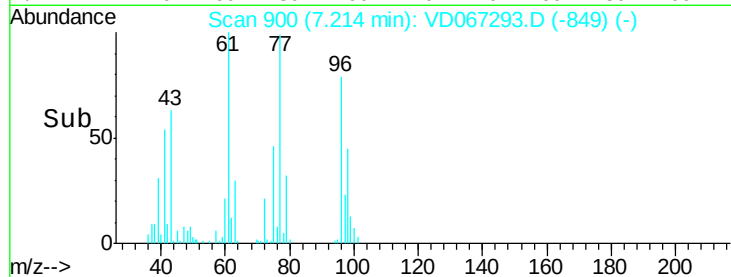
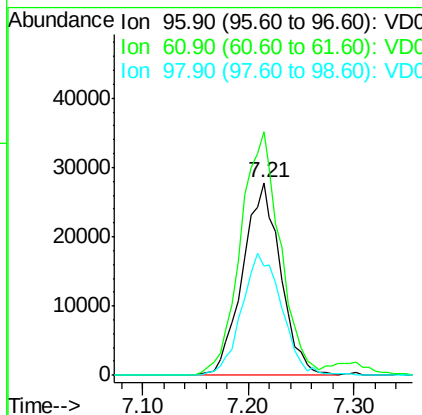
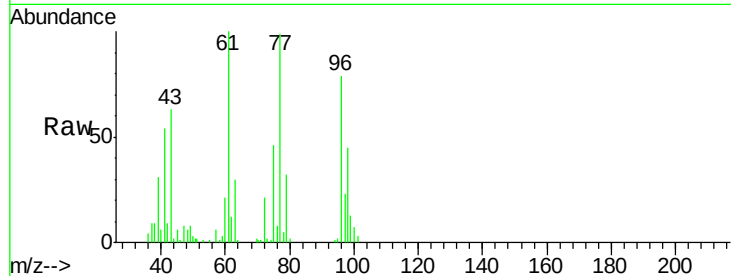
ClientSampleId :

VD1016SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	132.1	0.0	255.4		
98	67.0	0.0	128.0		

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:29 AM



#28

Bromochloromethane

Concen: 20.192 ug/l

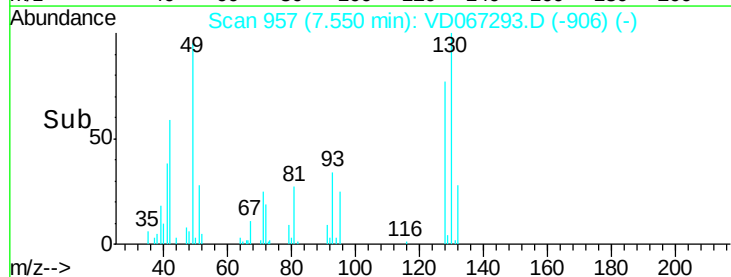
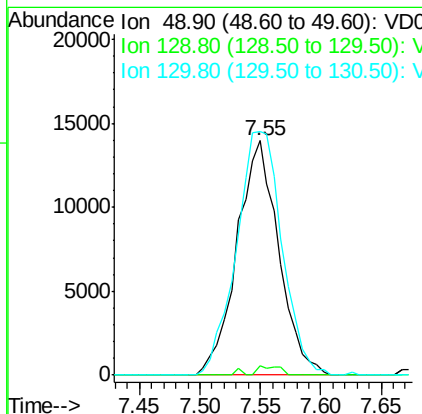
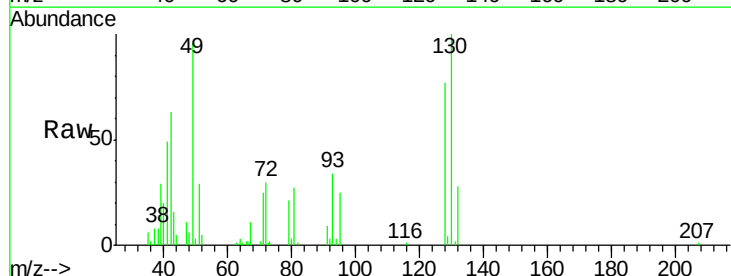
RT: 7.55 min Scan# 957

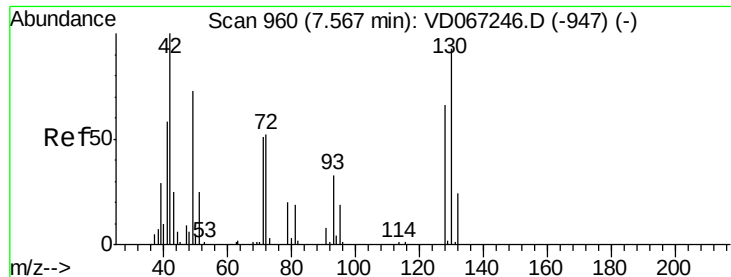
Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.0	0.0	1.6#		
130	113.3	91.0	136.6		





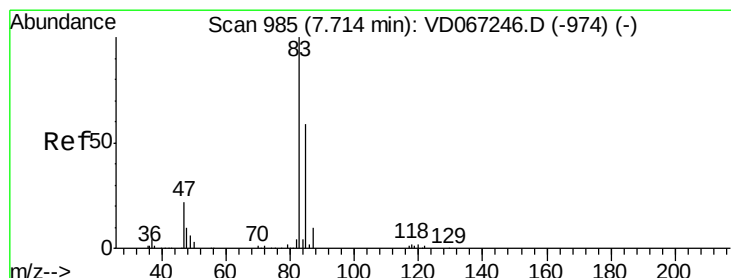
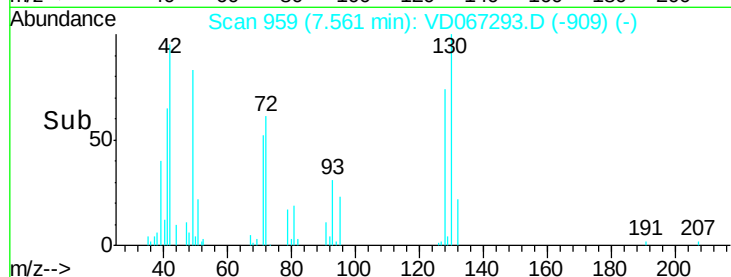
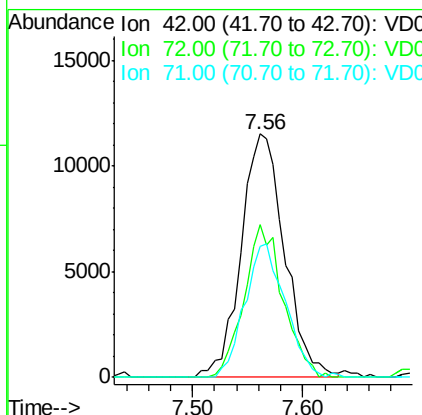
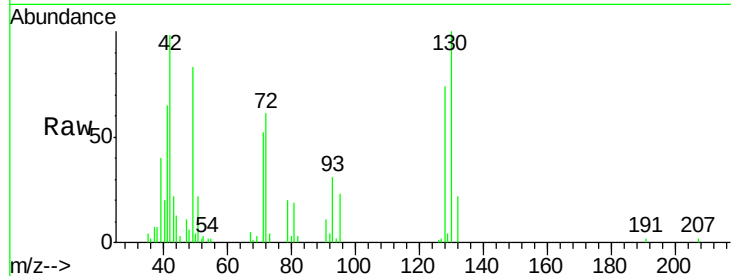
#29
Tetrahydrofuran
Concen: 108.248 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.1	43.2	64.8
71	51.2	39.4	59.0

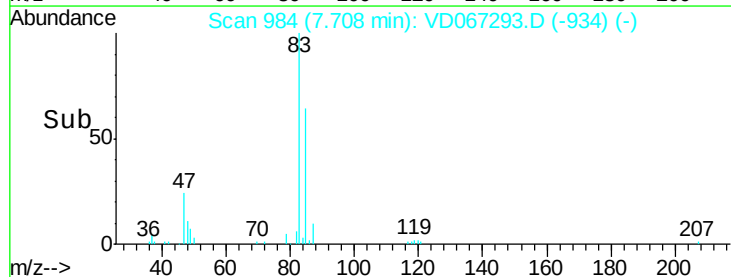
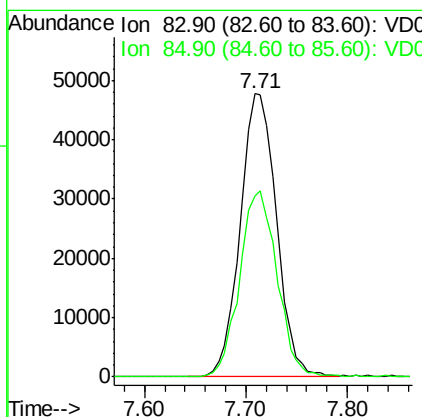
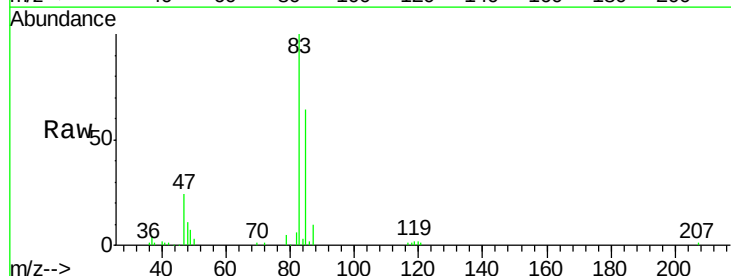
Manual Integrations
APPROVED

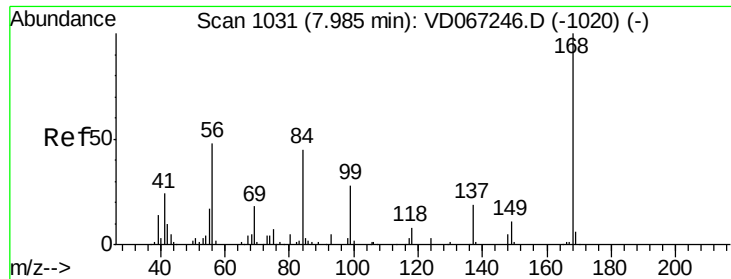
MMDadoda
10/19/2020 11:09:29 AM



#30
Chloroform
Concen: 20.313 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	47.3	70.9





#31

Cyclohexane

Concen: 19.284 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

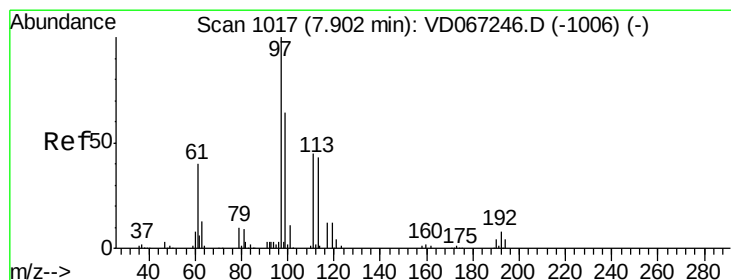
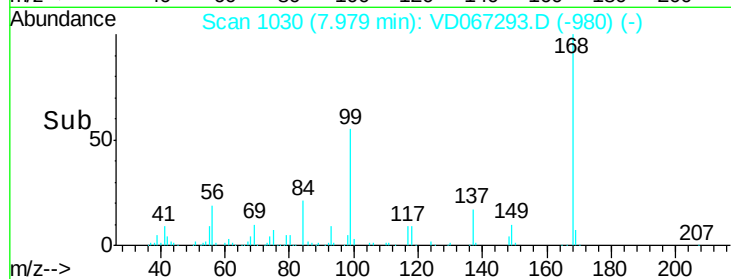
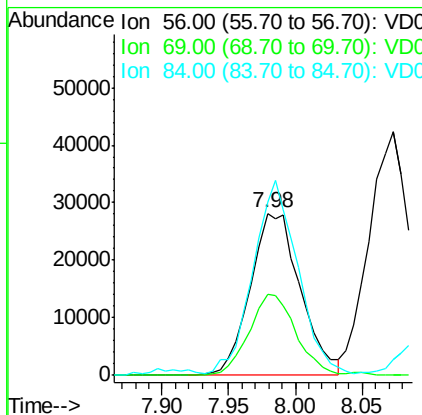
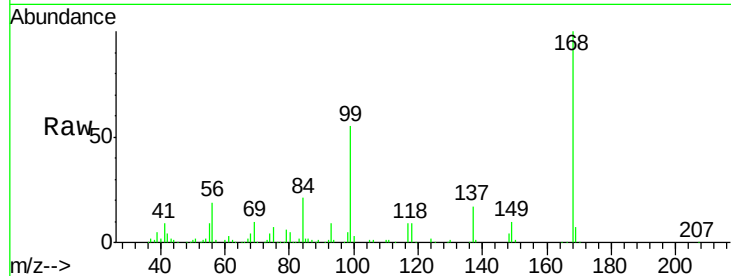
ClientSampleId :

VD1016SBS01

Tot Ion:	56	Resp:	73515
Ion Ratio	Lower	Upper	
56	100		
69	49.9	29.8	44.6#
84	103.9	76.6	114.8

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:29 AM



#32

1,1,1-Trichloroethane

Concen: 20.086 ug/l

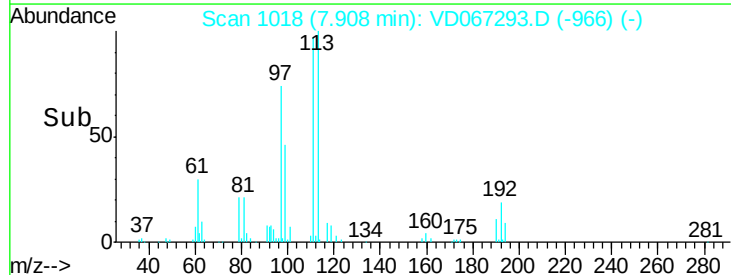
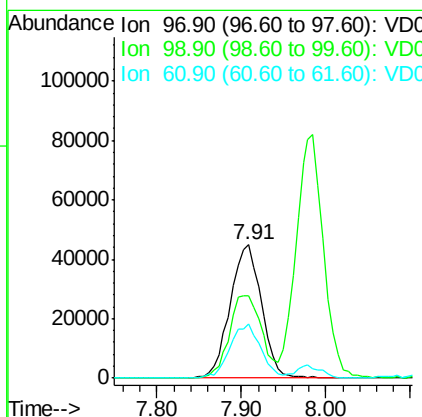
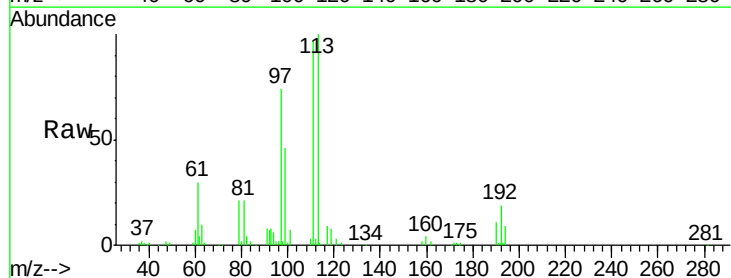
RT: 7.91 min Scan# 1018

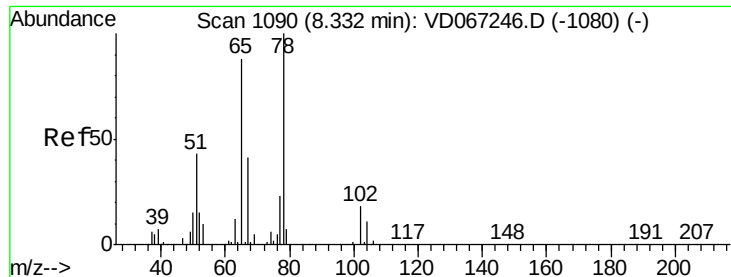
Delta R.T. 0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Tgt Ion:	97	Resp:	114952
Ion Ratio	Lower	Upper	
97	100		
99	65.0	50.2	75.4
61	39.5	30.5	45.7





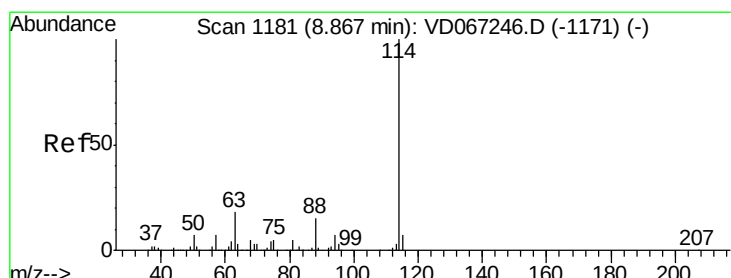
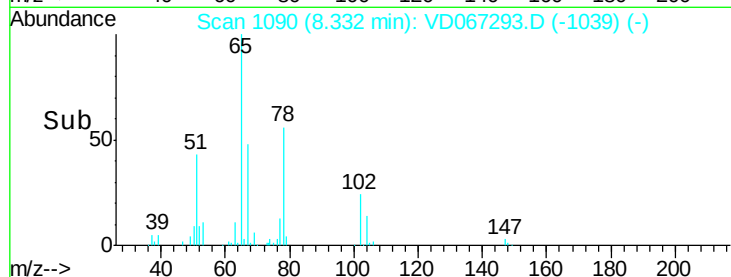
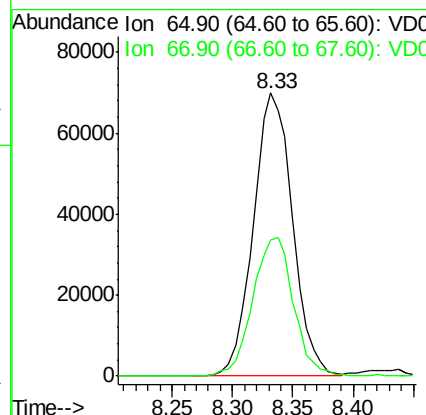
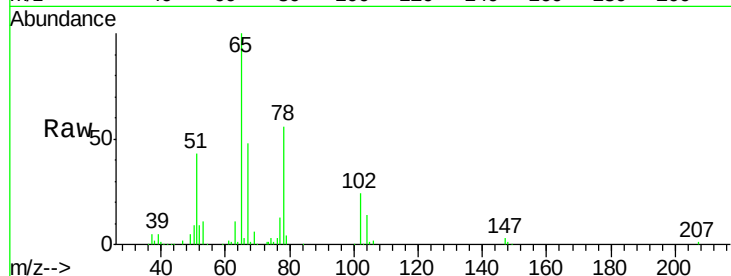
#33
 1,2-Dichloroethane-d4
 Concen: 47.684 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	157827		
67	50.8	0.0	103.8	

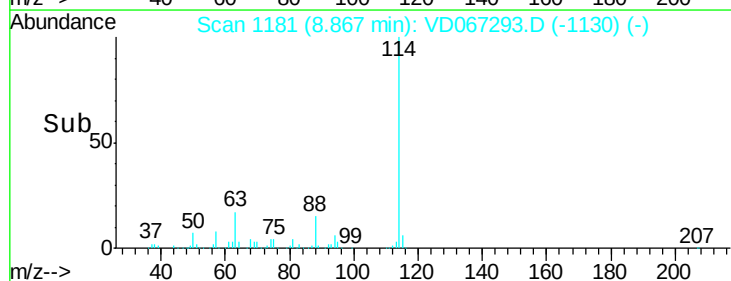
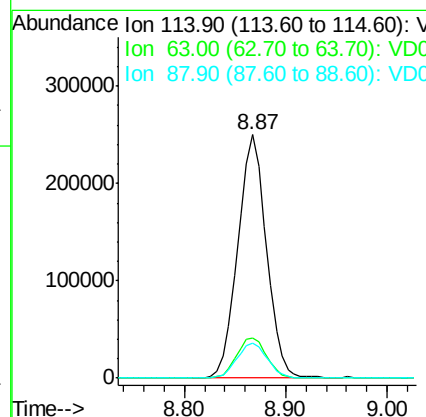
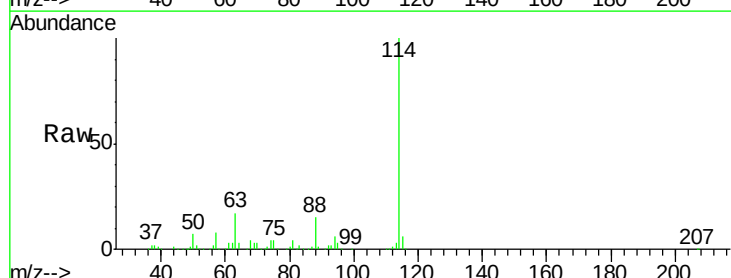
Manual Integrations
 APPROVED

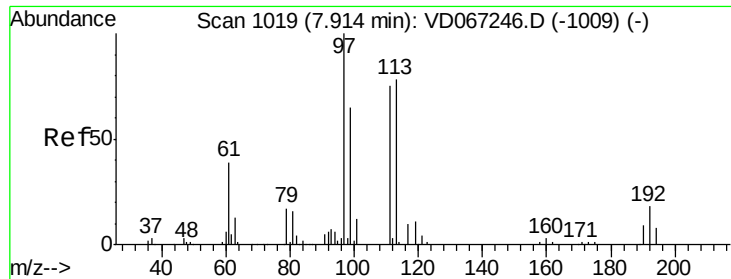
MMDadoda
 10/19/2020 11:09:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	491418		
63	16.7	0.0	35.0	
88	14.5	0.0	30.6	





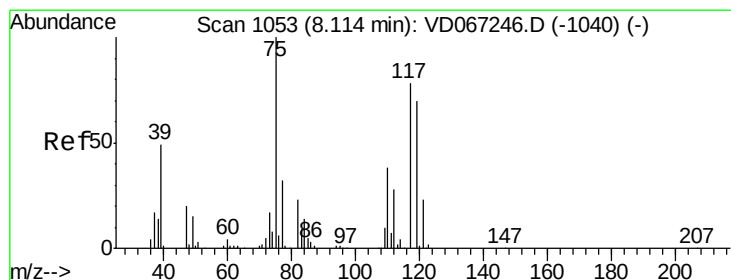
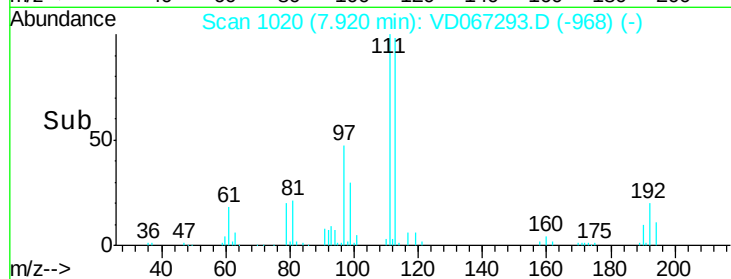
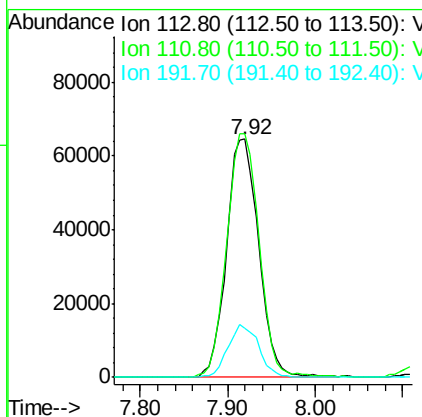
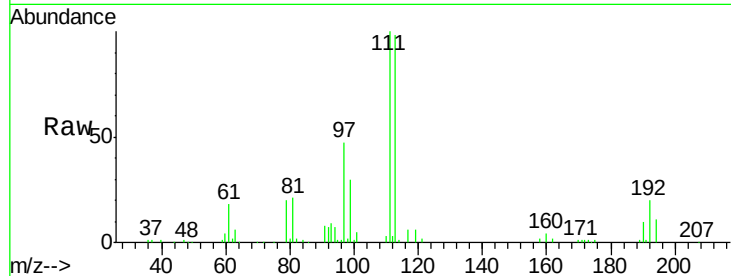
#35
 Dibromofluoromethane
 Concen: 49.282 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	161170		
111	103.2	81.6	122.4	
192	21.0	17.0	25.4	

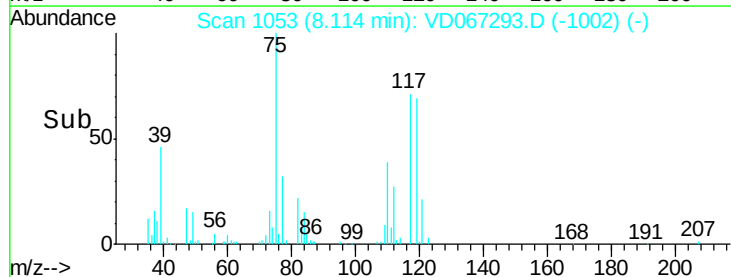
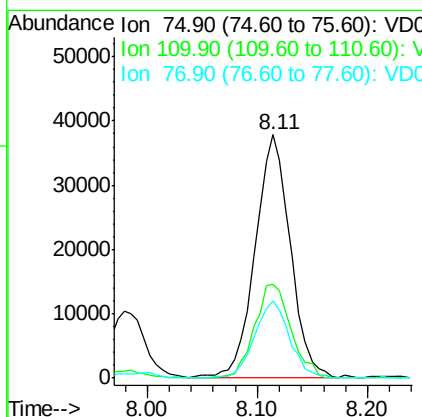
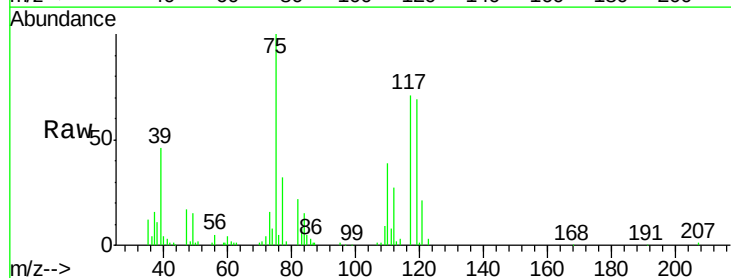
Manual Integrations
 APPROVED

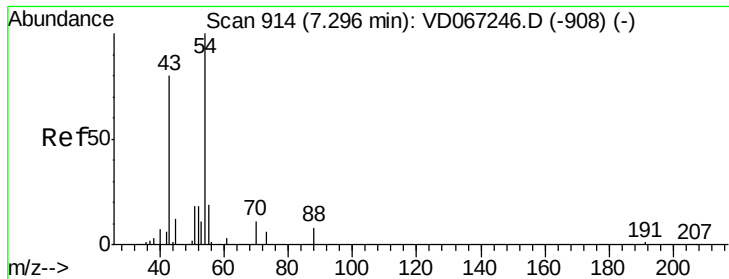
MMDadoda
 10/19/2020 11:09:29 AM



#36
 1,1-Dichloropropene
 Concen: 20.314 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84611		
110	39.9	19.6	58.7	
77	31.6	24.6	37.0	





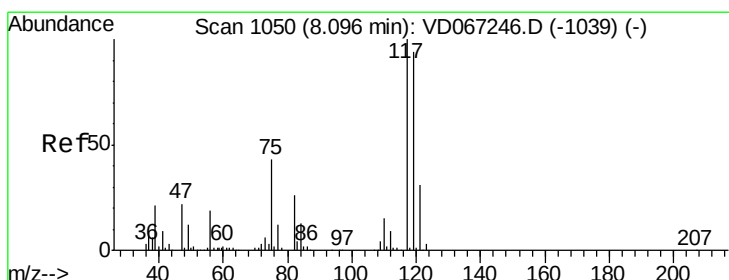
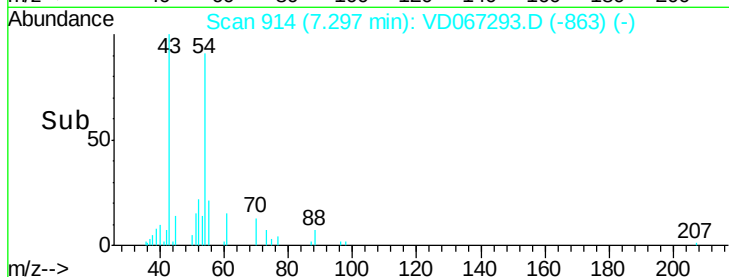
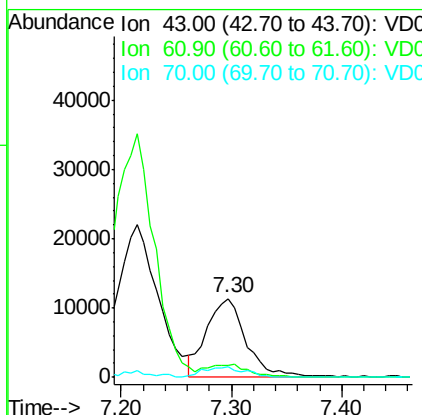
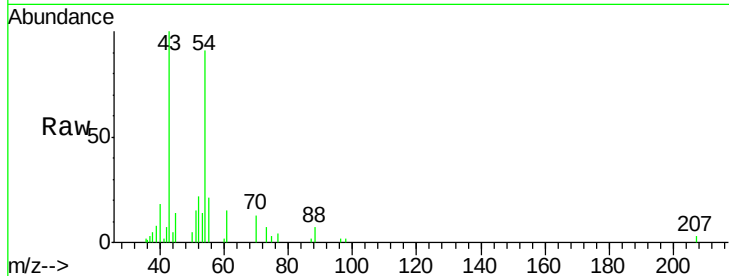
#37
Ethyl Acetate
Concen: 22.957 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.7	15.6	23.4
70	13.9	10.4	15.6

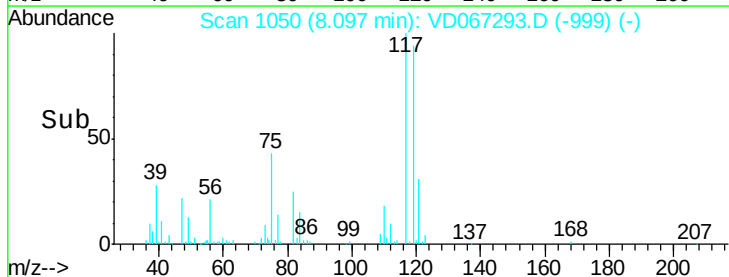
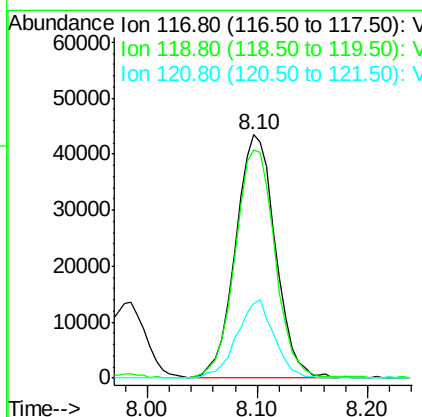
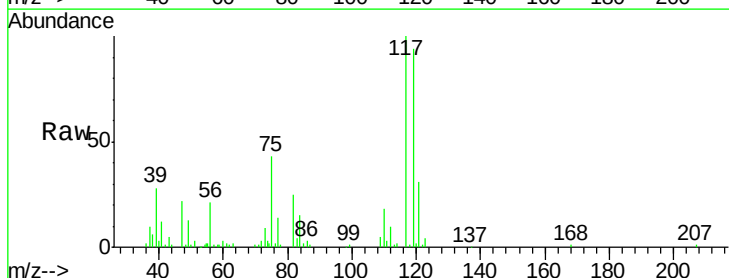
Manual Integrations
APPROVED

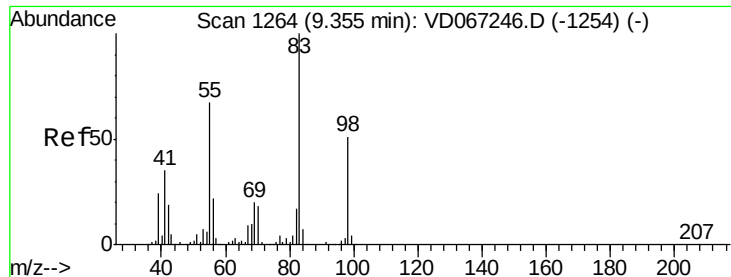
MMDadoda
10/19/2020 11:09:29 AM



#38
Carbon Tetrachloride
Concen: 20.701 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.0	112.4
121	30.5	24.9	37.3





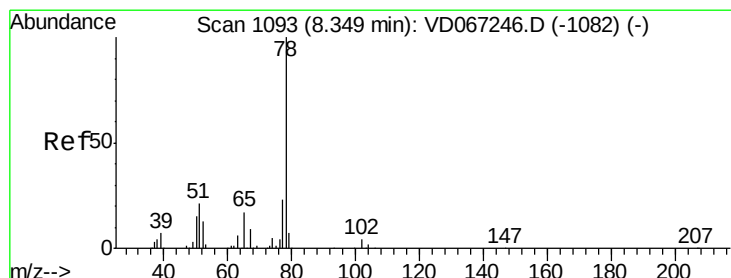
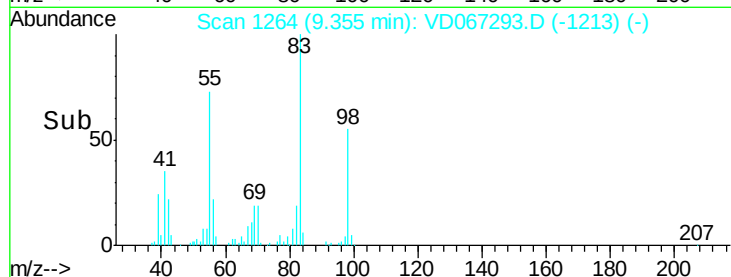
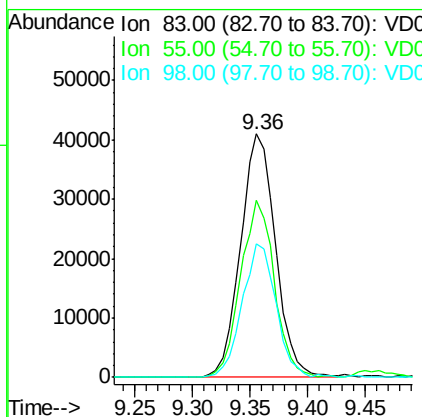
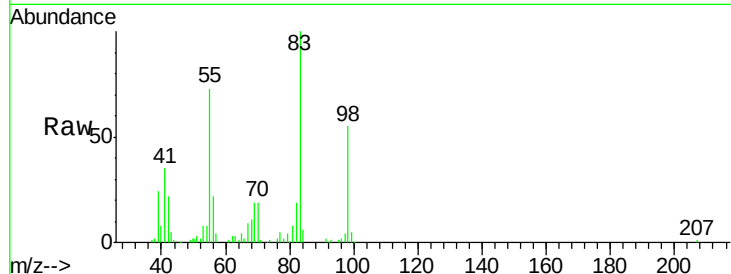
#39
Methylvlcyclohexane
Concen: 19.870 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	83	Resp	86519
Ion Ratio	100	Lower	Upper
83	100		
55	72.9	53.3	79.9
98	54.6	41.0	61.4

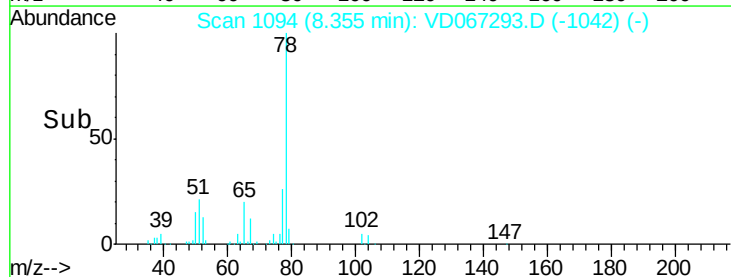
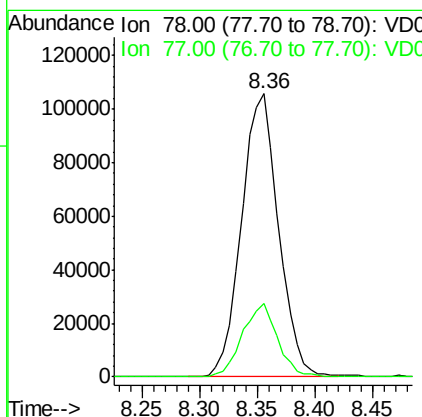
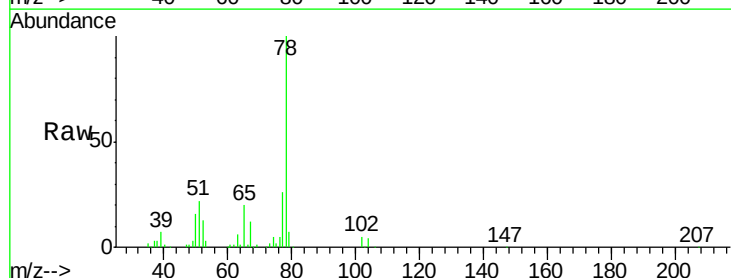
Manual Integrations
APPROVED

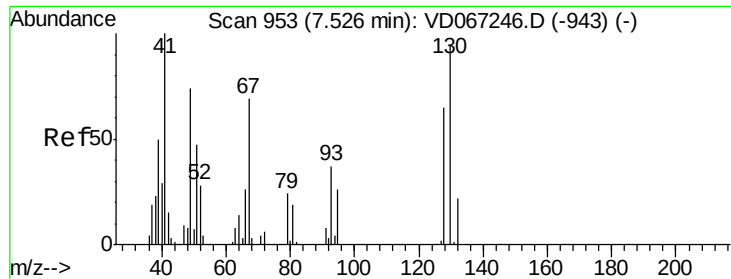
MMDadoda
10/19/2020 11:09:29 AM



#40
Benzene
Concen: 20.663 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion	78	Resp	236107
Ion Ratio	100	Lower	Upper
78	100		
77	25.8	18.3	27.5





#41

Methacrylonitrile

Concen: 19.954 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

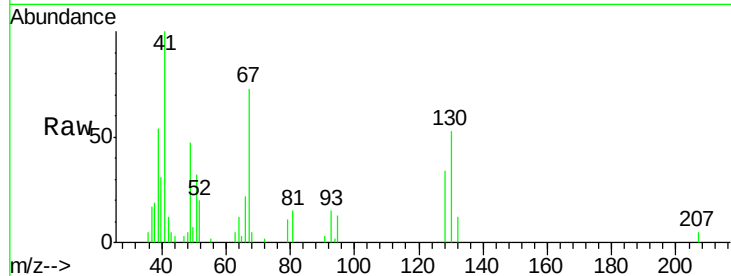
ClientSampleId :

VD1016SBS01

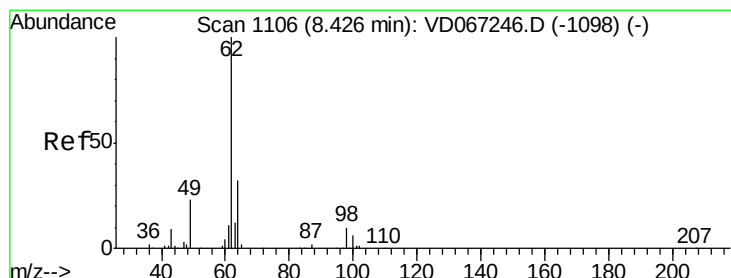
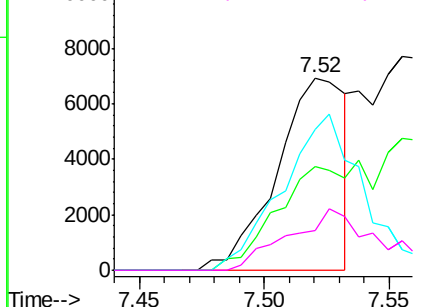
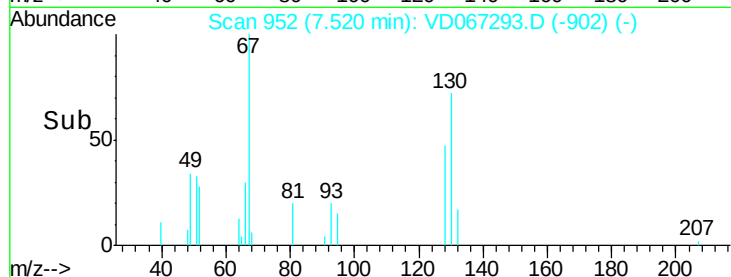
Tot Ion	Ratio	Lower	Upper
41	100		
39	54.5	60.0	90.0#
67	96.7	88.9	133.3
52	40.0	36.9	55.3

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:29 AM



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.001 ug/l

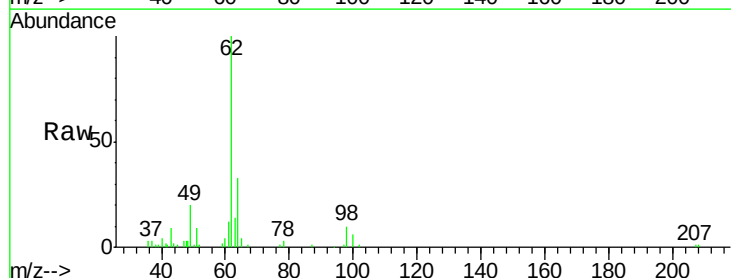
RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

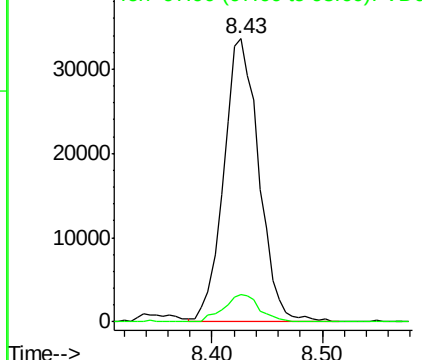
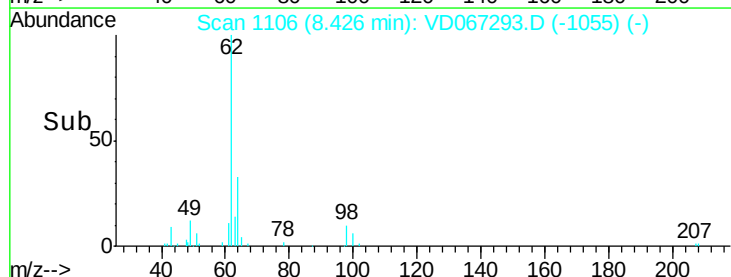
Lab File: VD067293.D

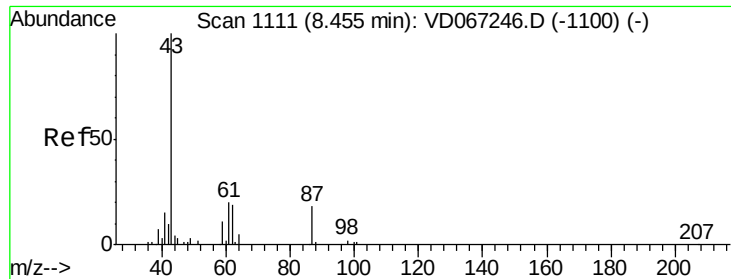
Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.361 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

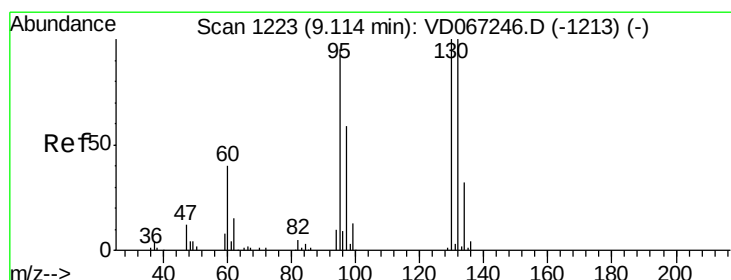
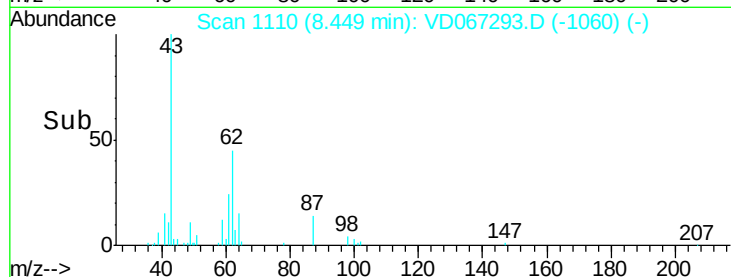
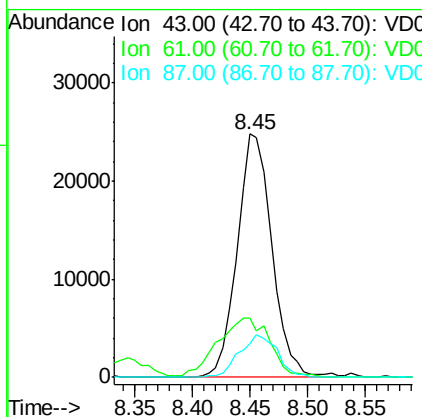
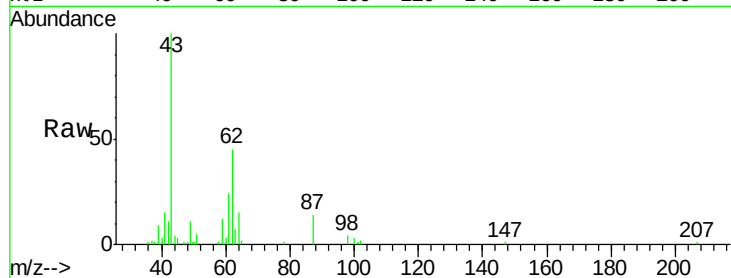
ClientSampleId :

VD1016SBS01

Tot Ion:	43	Resp:	51942
Ion	Ratio	Lower	Upper
43	100		
61	36.9	29.5	44.3
87	19.2	14.2	21.4

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:29 AM



#44

Trichloroethene

Concen: 20.216 ug/l

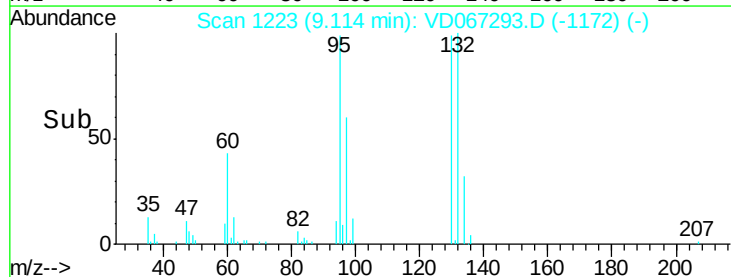
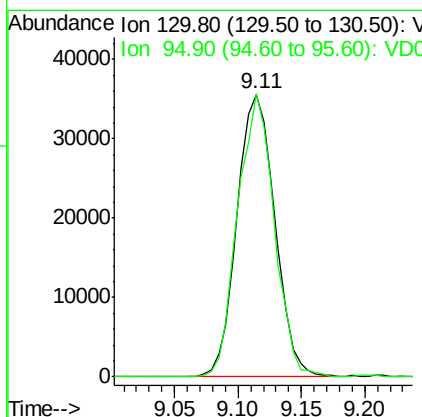
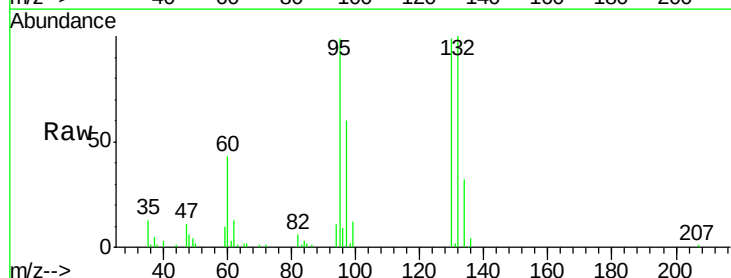
RT: 9.11 min Scan# 1223

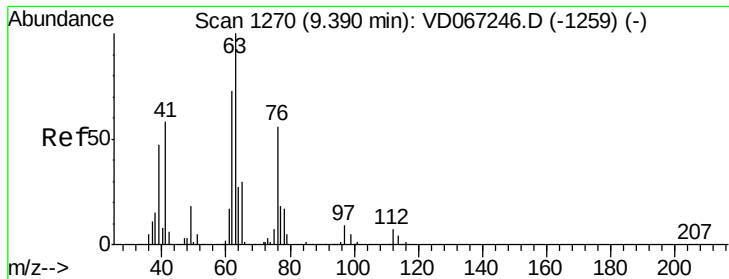
Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Tgt Ion:	130	Resp:	73958
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	190.6





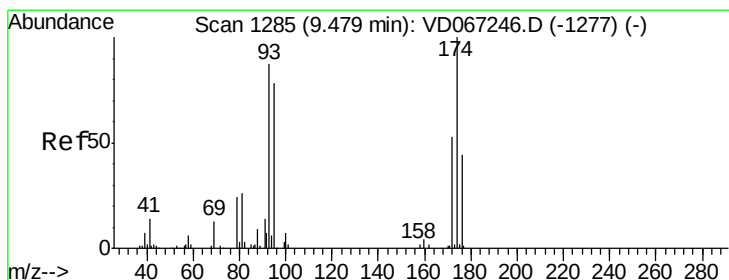
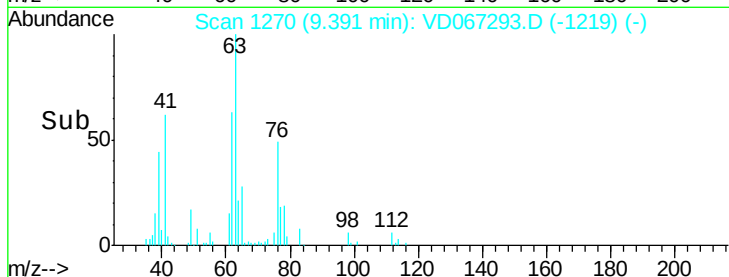
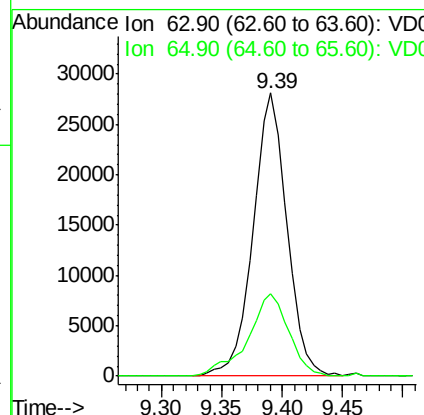
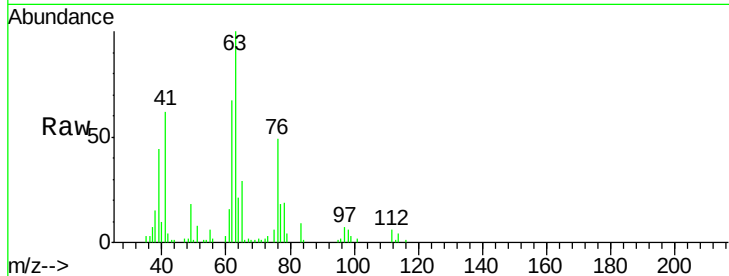
#45
 1,2-Dichloropropane
 Concen: 20.678 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.0	24.6	36.8

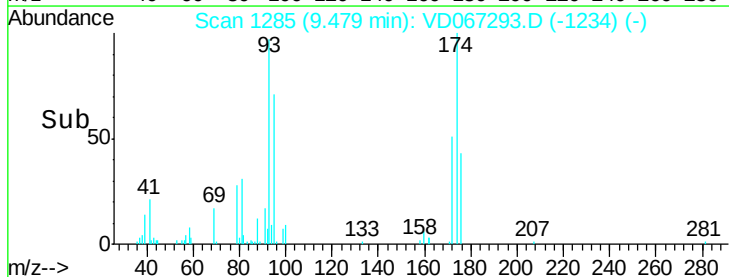
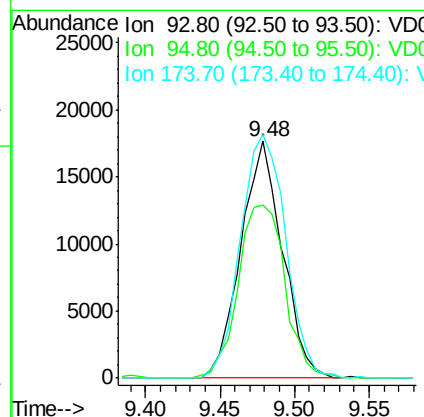
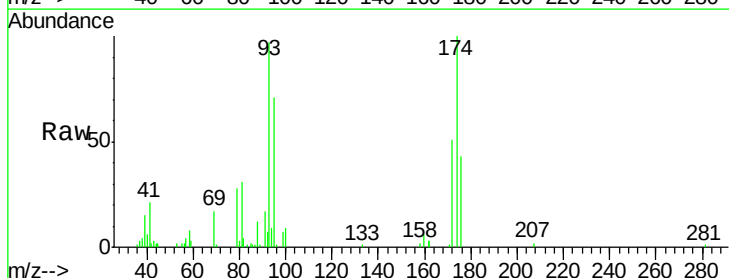
Manual Integrations
 APPROVED

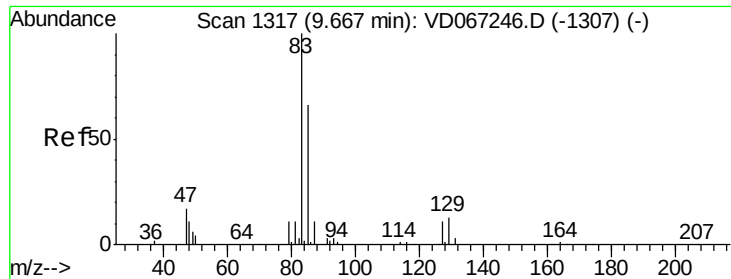
MMDadoda
 10/19/2020 11:09:29 AM



#46
 Dibromomethane
 Concen: 20.686 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	68.0	102.0
174	111.8	91.8	137.6





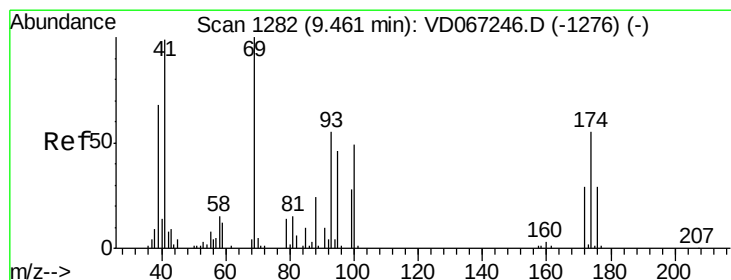
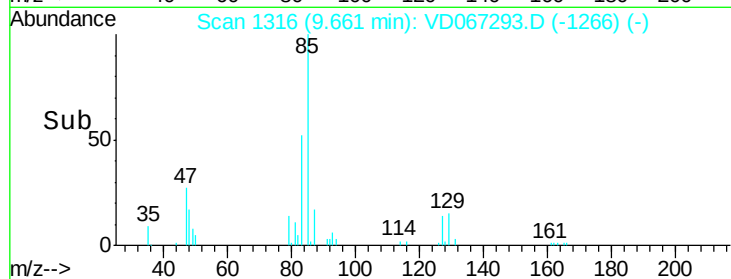
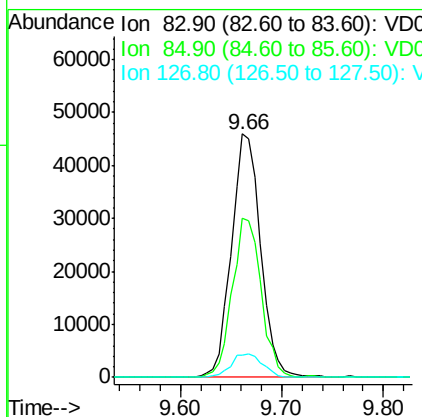
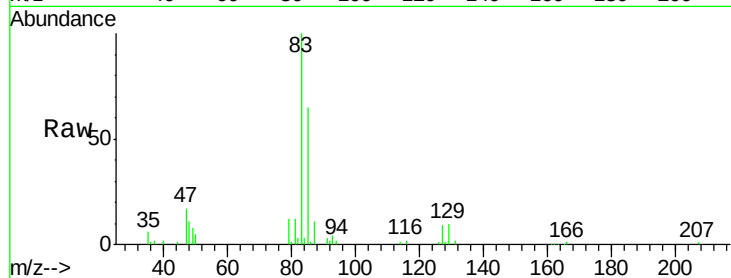
#47
Bromodichloromethane
Concen: 20.812 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.1	79.7
127	9.2	8.6	13.0

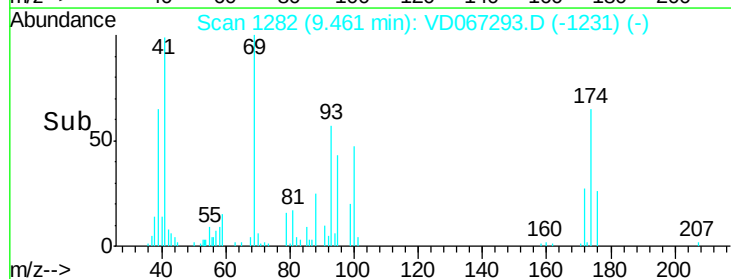
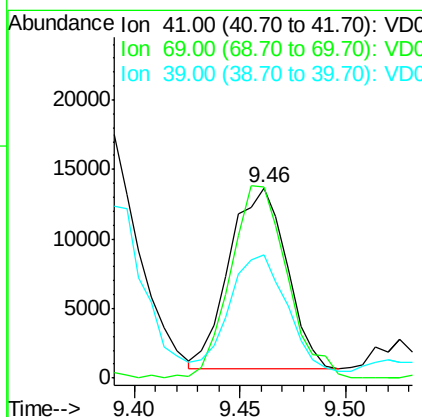
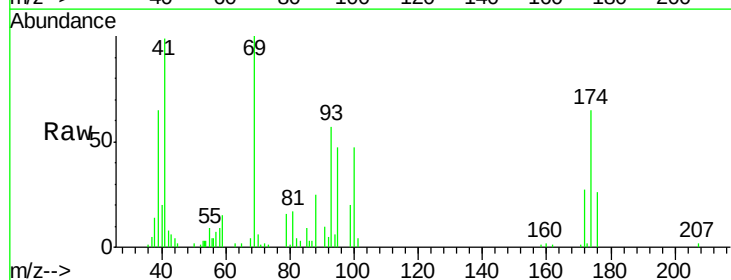
Manual Integrations
APPROVED

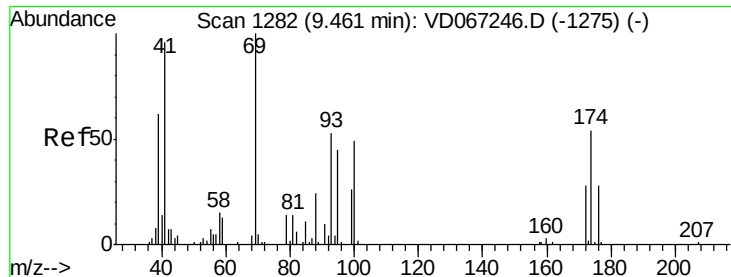
MMDadoda
10/19/2020 11:09:29 AM



#48
Methyl methacrylate
Concen: 20.839 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
41	100		
69	104.7	89.0	133.6
39	69.8	60.2	90.2





#49

1,4-Dioxane

Concen: 474.423 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

Tot Ion: 88 Resp: 7830

Ion Ratio Lower Upper

88 100

43 29.8 23.9 35.9

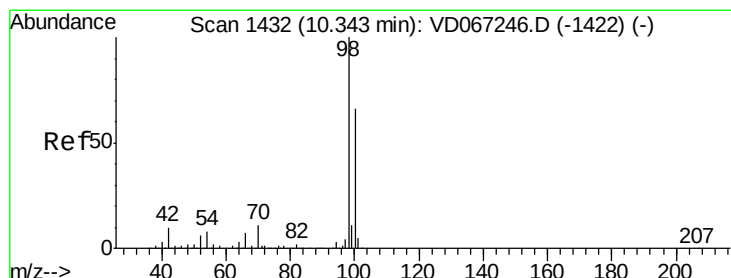
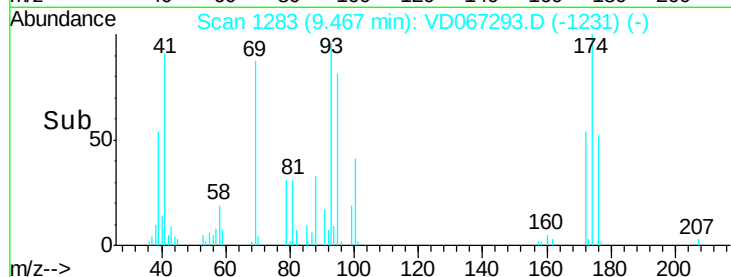
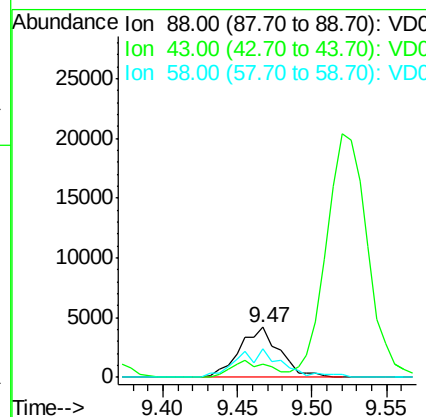
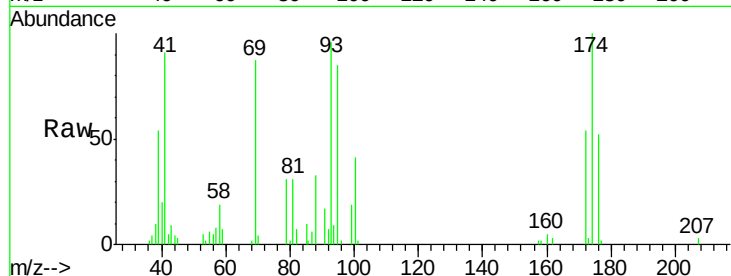
58 29.4 51.0 76.6#

Manual Integrations

APPROVED

MMDadoda

10/19/2020 11:09:29 AM



#50

Toluene-d8

Concen: 49.813 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067293.D

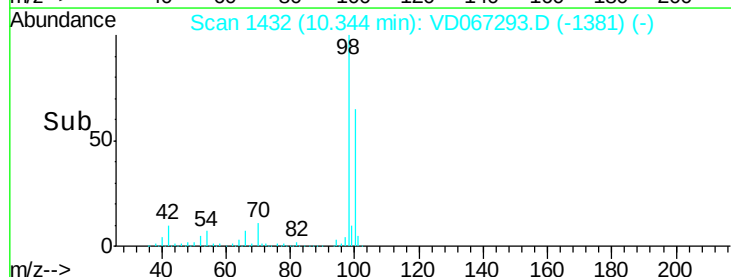
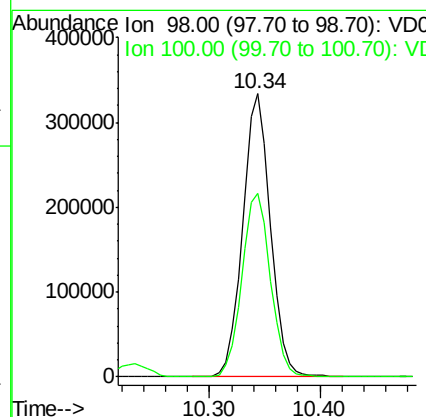
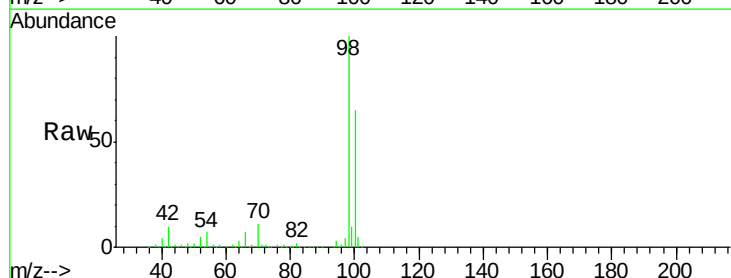
Acq: 16 Oct 2020 12:23

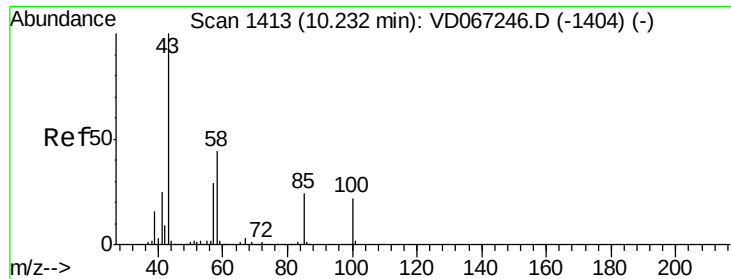
Tgt Ion: 98 Resp: 589547

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 107.085 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 43 Resp: 129874

Ion Ratio Lower Upper

43 100

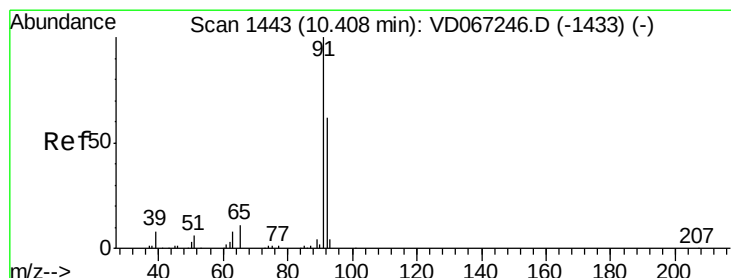
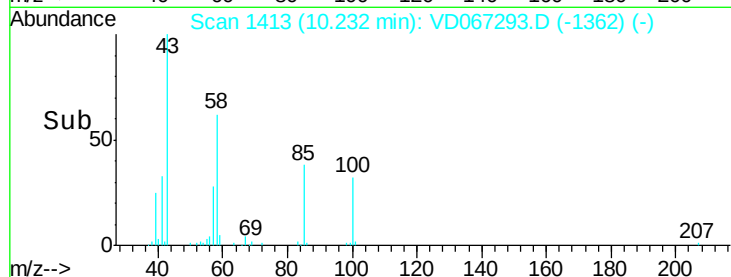
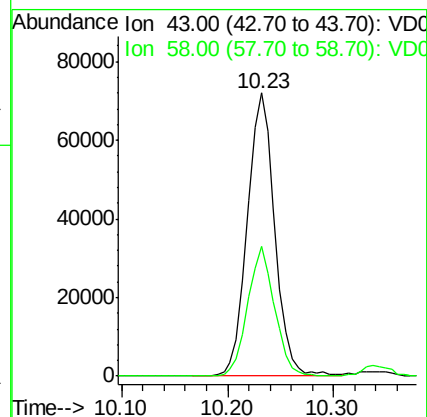
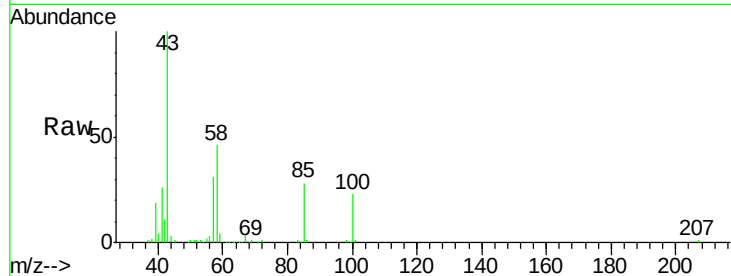
58 44.9 35.7 53.5

Manual Integrations

APPROVED

MMDadoda

10/19/2020 11:09:29 AM



#52

Toluene

Concen: 21.032 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD067293.D

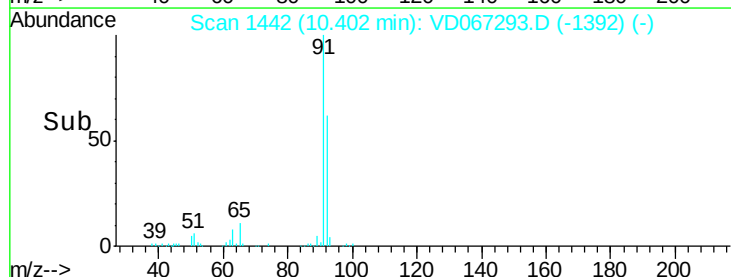
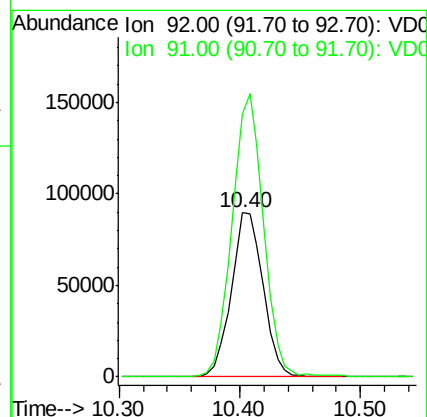
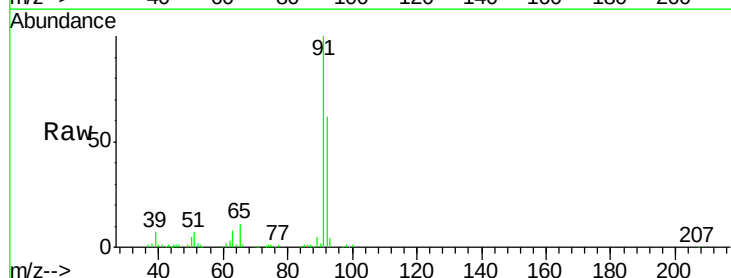
Acq: 16 Oct 2020 12:23

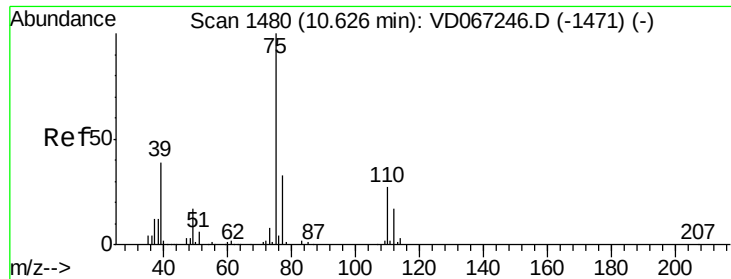
Tgt Ion: 92 Resp: 163682

Ion Ratio Lower Upper

92 100

91 171.0 133.8 200.8





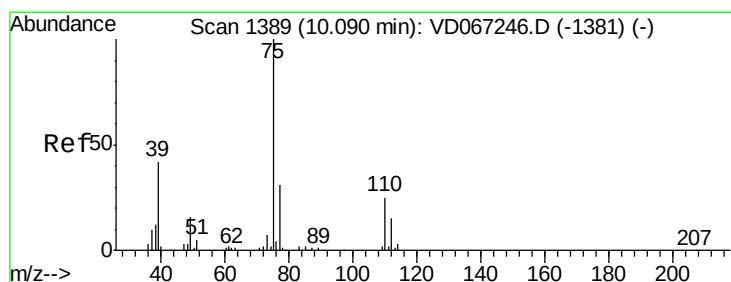
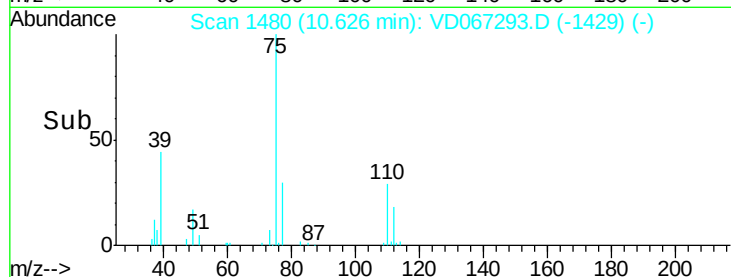
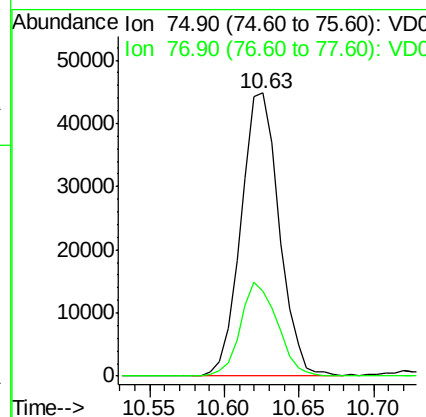
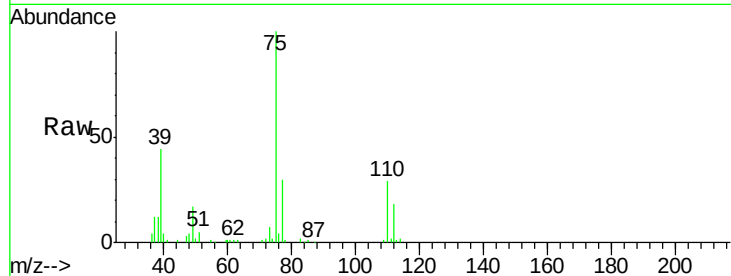
#53
t-1,3-Dichloropropene
Concen: 20.502 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	26.5	39.7

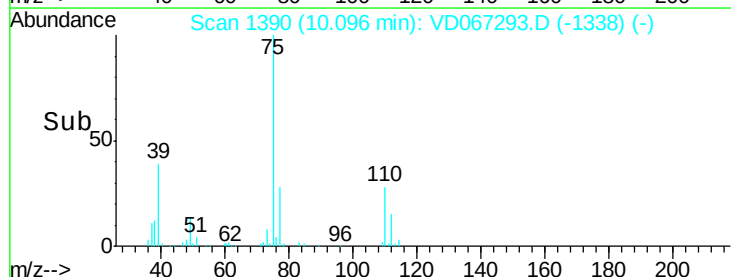
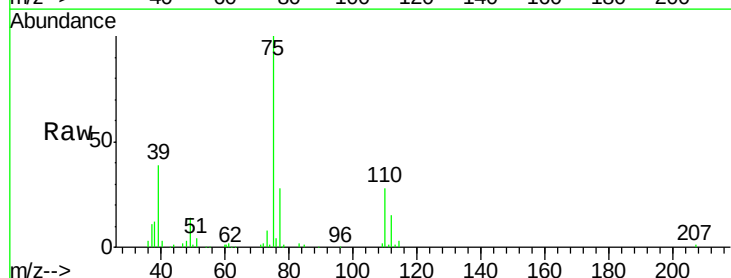
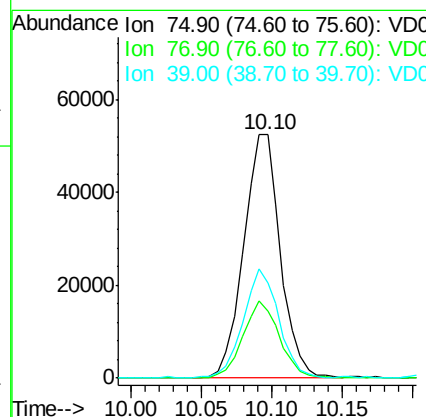
Manual Integrations
APPROVED

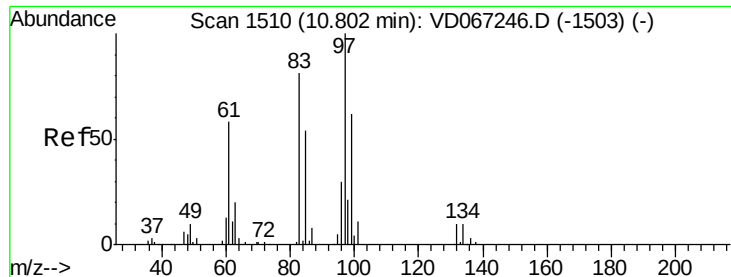
MMDadoda
10/19/2020 11:09:29 AM



#54
cis-1,3-Dichloropropene
Concen: 20.988 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	27.6	24.5	36.7
39	39.3	33.7	50.5





#55

1,1,2-Trichloroethane

Concen: 21.482 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

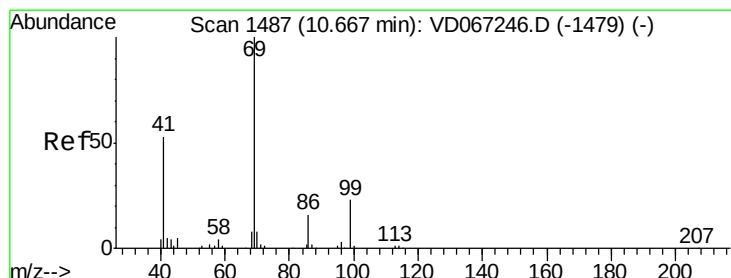
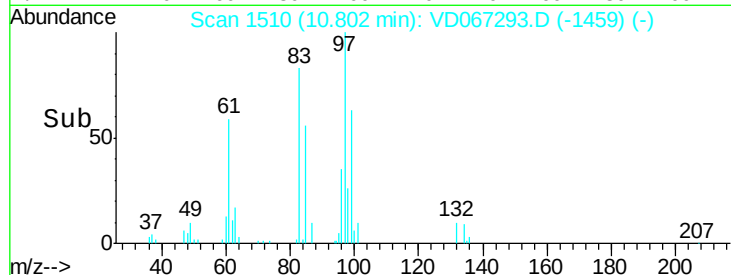
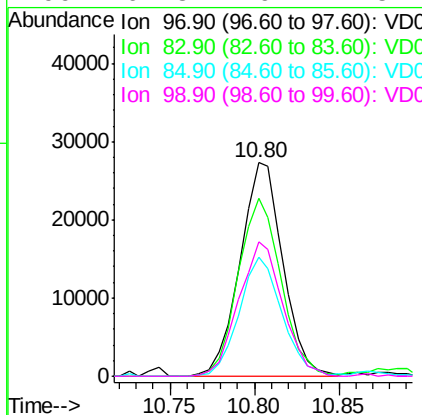
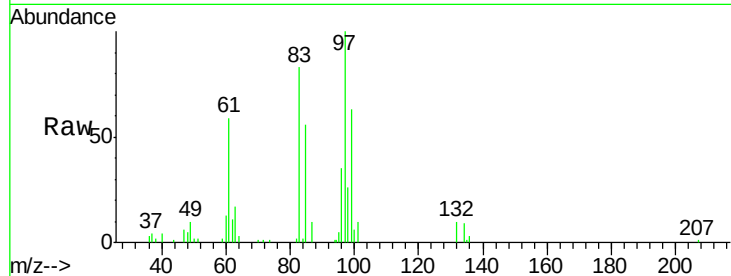
ClientSampleId :

VD1016SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		48334		
83	83.3	64.9	97.3		
85	55.6	43.3	64.9		
99	62.8	49.1	73.7		

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:29 AM



#56

Ethyl methacrylate

Concen: 21.714 ug/l

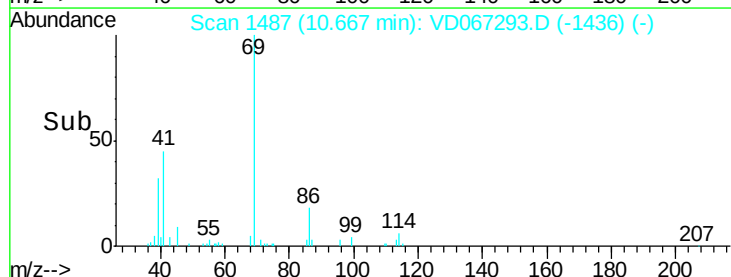
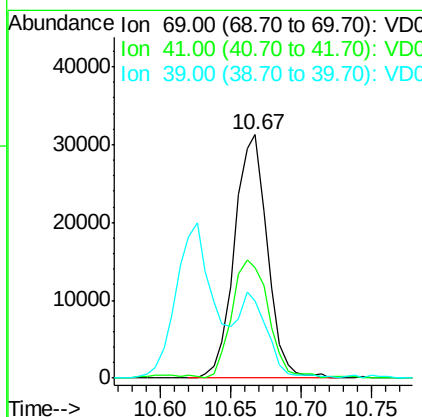
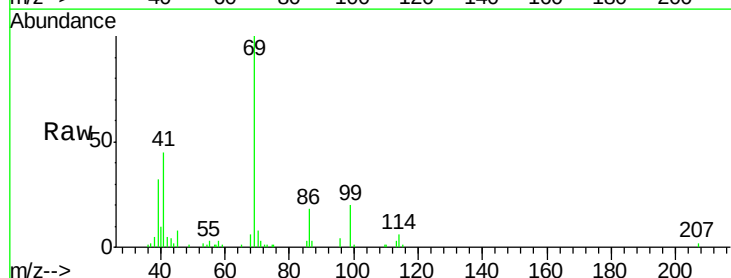
RT: 10.67 min Scan# 1487

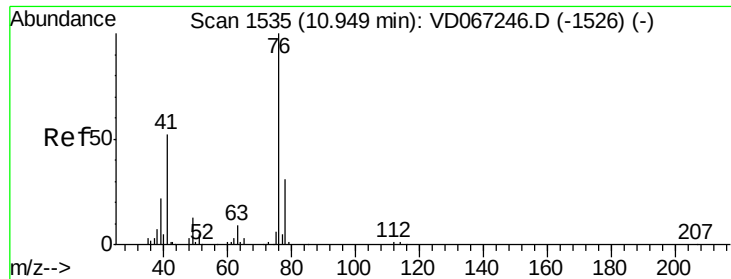
Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		50667		
41	54.7	44.7	67.1		
39	31.0	26.2	39.2		





#57

1,3-Dichloropropane

Concen: 22.098 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 76 Resp: 79125

Ion Ratio Lower Upper

76 100

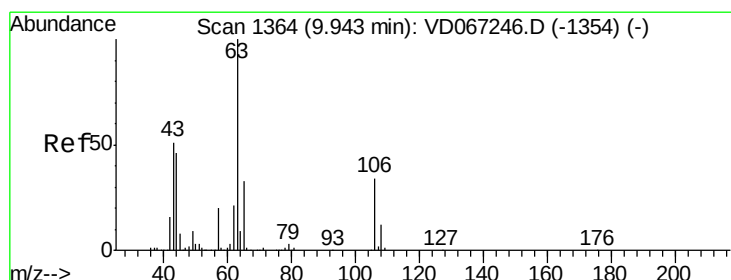
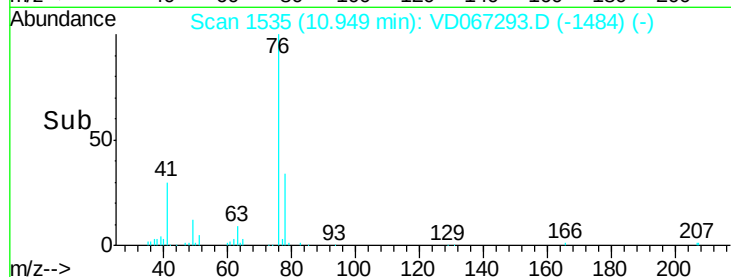
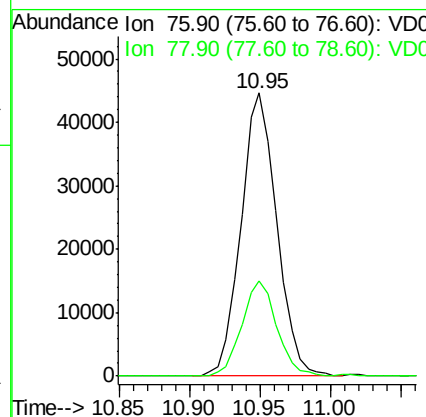
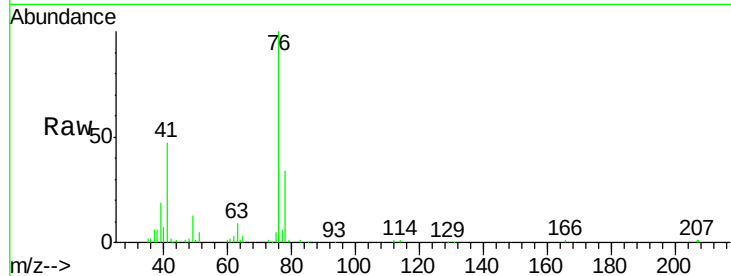
78 32.7 26.8 40.2

Manual Integrations

APPROVED

MMDadoda

10/19/2020 11:09:29 AM



#58

2-Chloroethyl Vinyl ether

Concen: 105.280 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067293.D

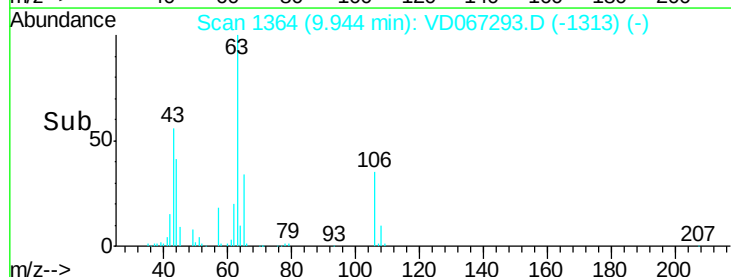
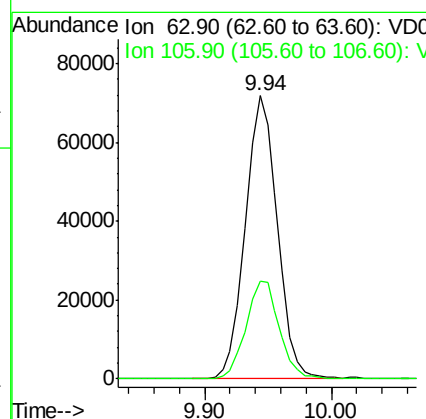
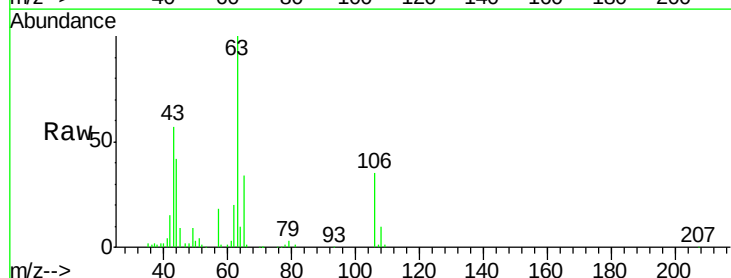
Acq: 16 Oct 2020 12:23

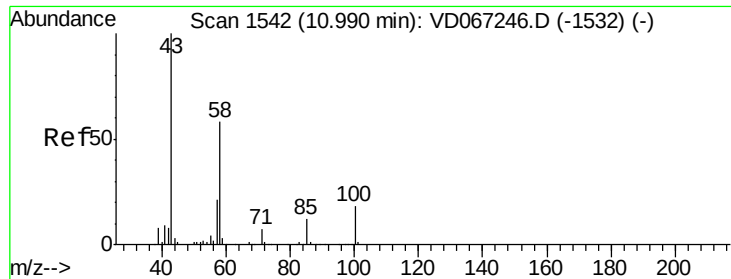
Tgt Ion: 63 Resp: 126025

Ion Ratio Lower Upper

63 100

106 35.9 27.8 41.6





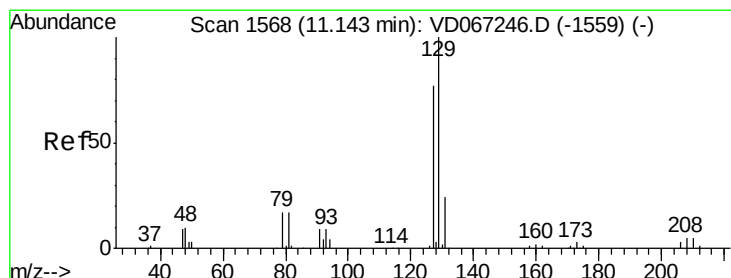
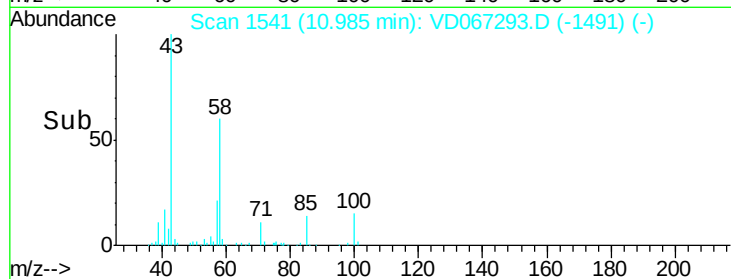
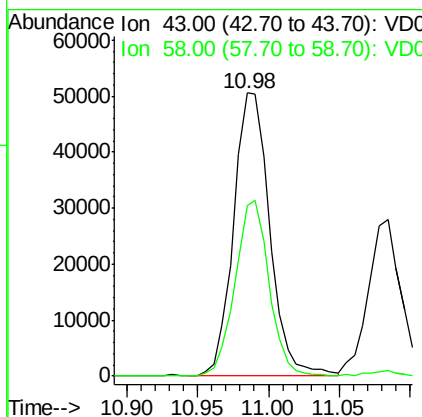
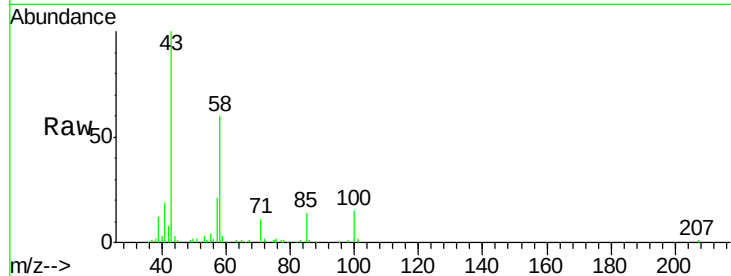
#59
2-Hexanone
Concen: 109.472 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.2	29.3	87.9

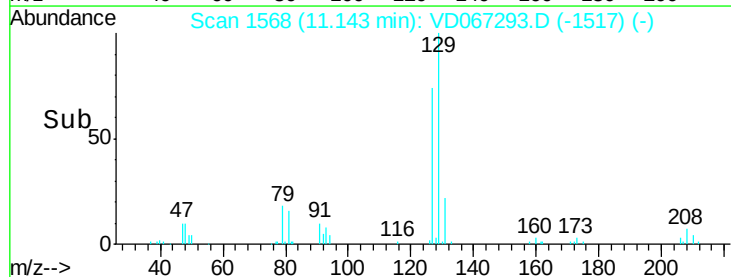
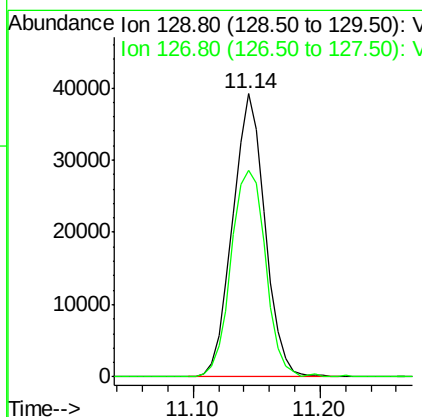
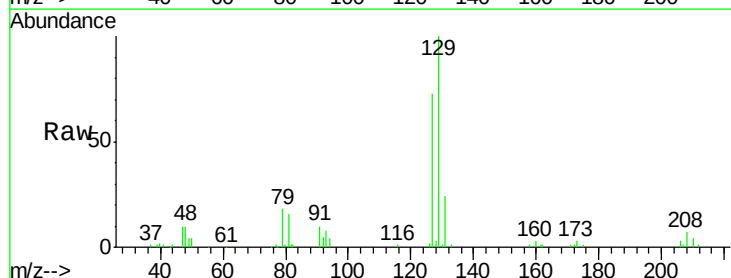
Manual Integrations
APPROVED

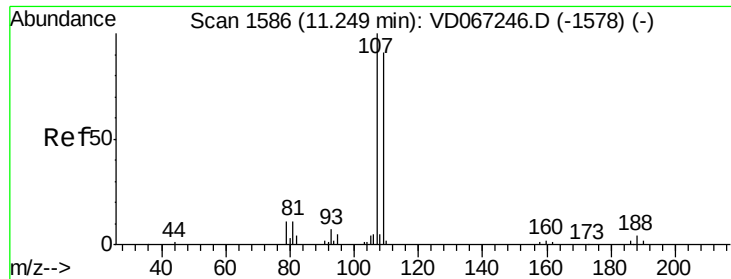
MMDadoda
10/19/2020 11:09:29 AM



#60
Dibromochloromethane
Concen: 21.111 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.3	114.8





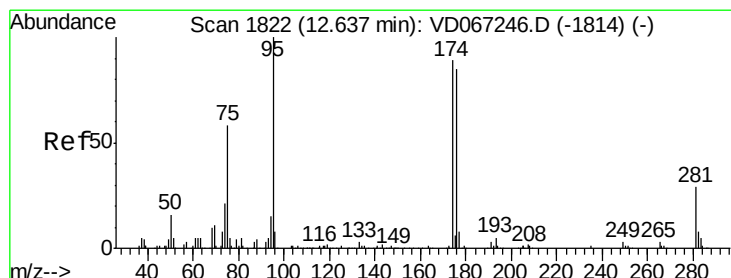
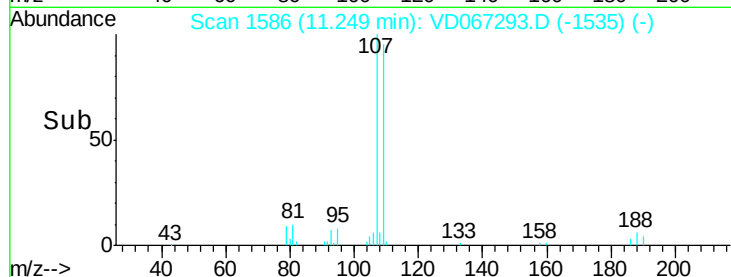
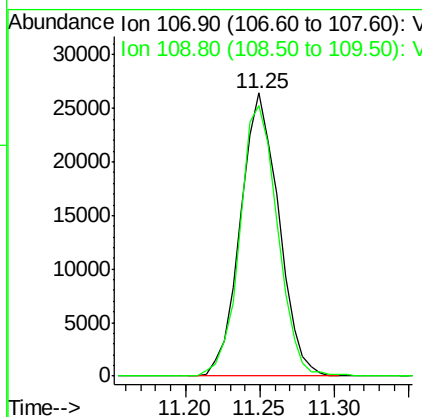
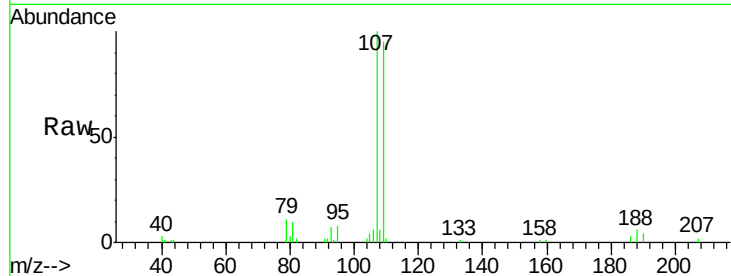
#61
 1,2-Dibromoethane
 Concen: 21.190 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.6	112.0

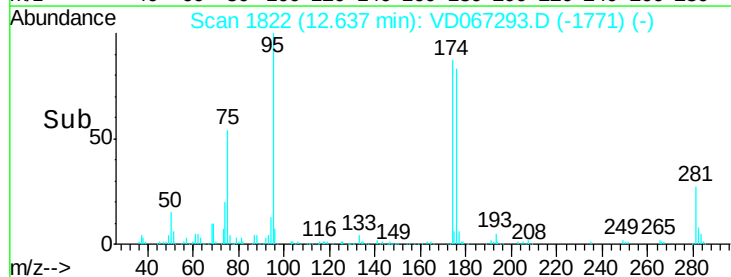
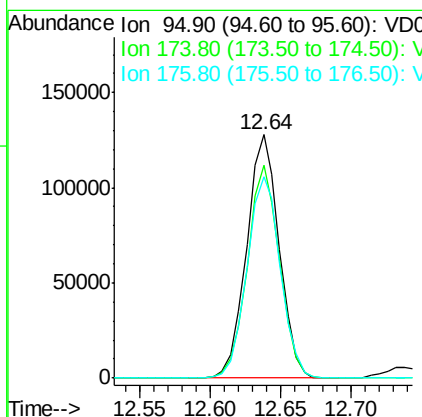
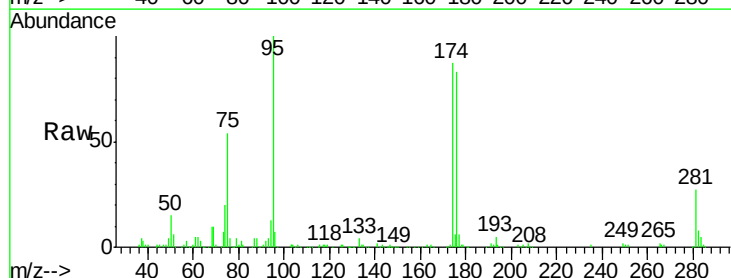
Manual Integrations
 APPROVED

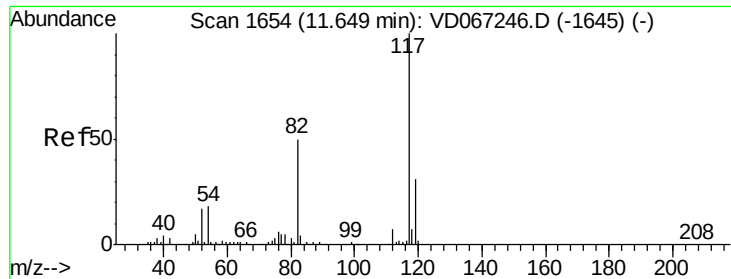
MMDadoda
 10/19/2020 11:09:29 AM



#62
 4-Bromofluorobenzene
 Concen: 50.089 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	175.2
176	85.0	0.0	168.6





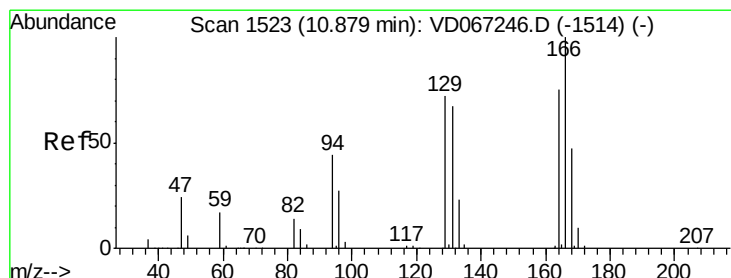
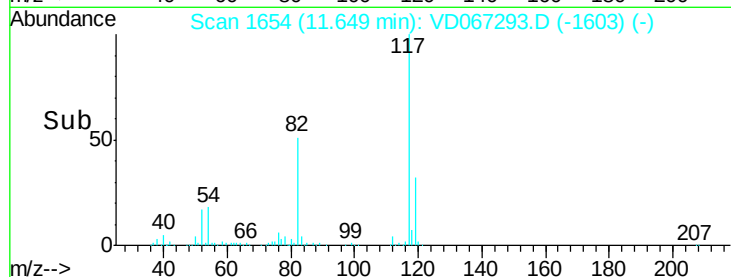
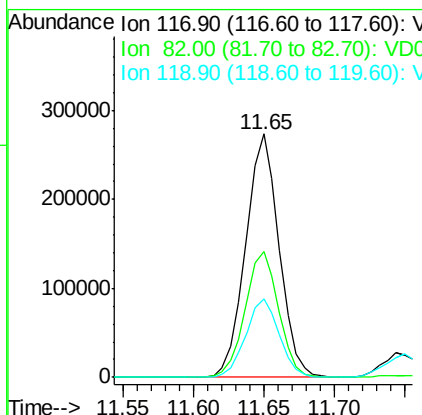
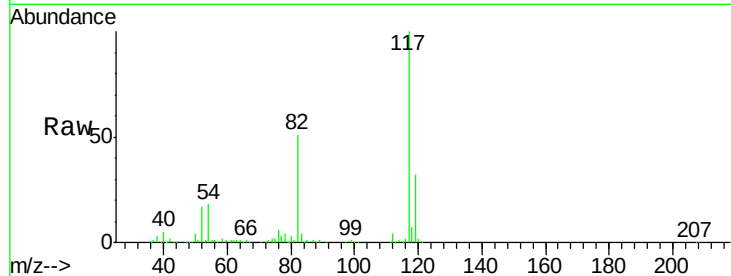
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	39.9	59.9
119	32.4	24.9	37.3

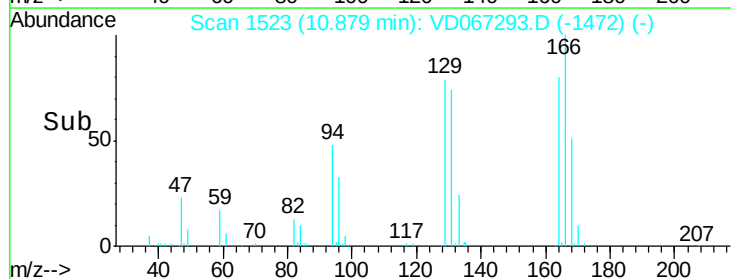
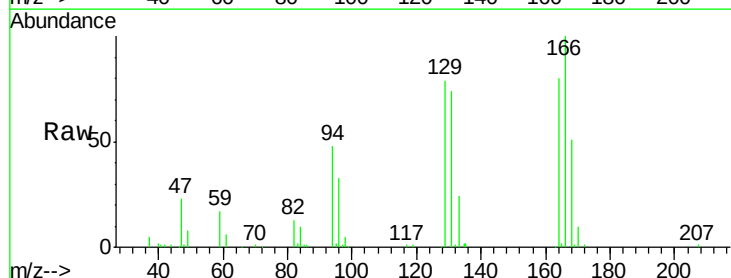
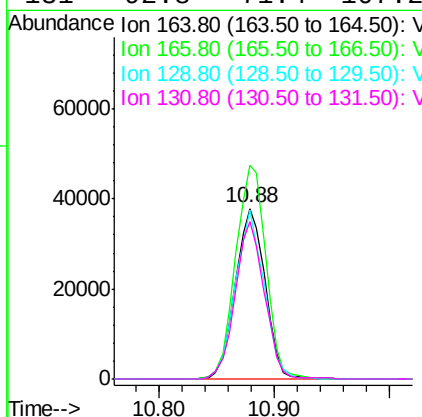
Manual Integrations
APPROVED

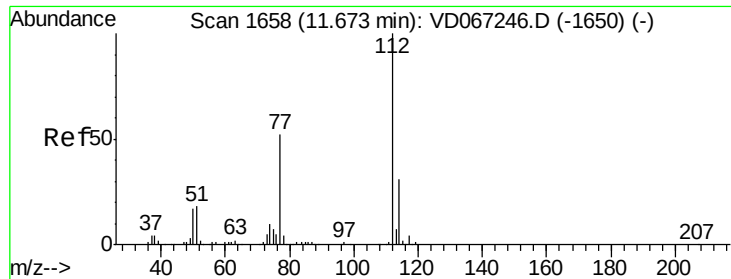
MMDadoda
10/19/2020 11:09:29 AM



#64
Tetrachloroethene
Concen: 20.611 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	107.3	160.9
129	99.5	77.3	115.9
131	92.8	71.4	107.2





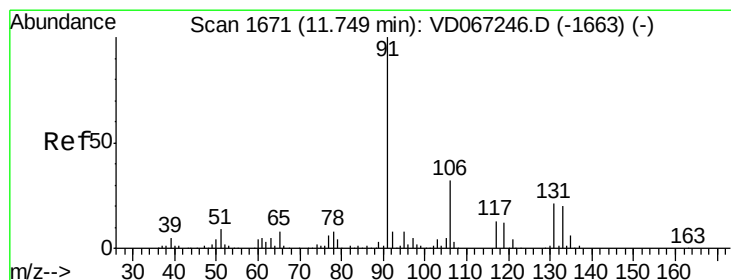
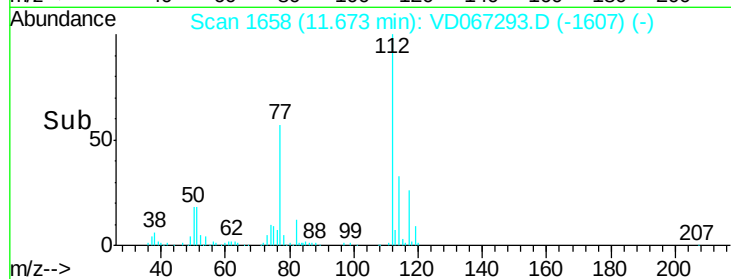
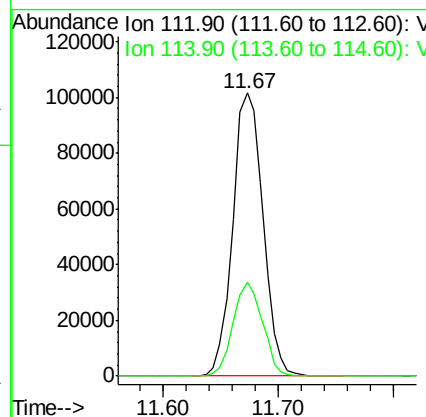
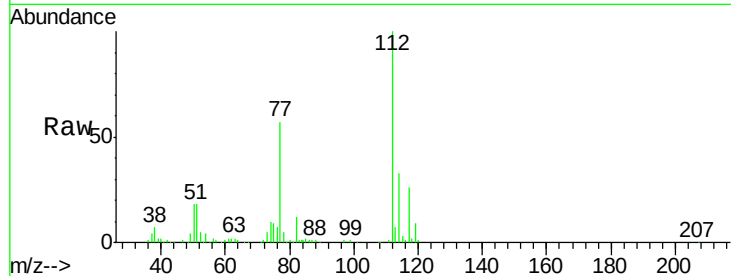
#65
Chlorobenzene
Concen: 21.164 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	184486		
114	33.1	25.0	37.4	

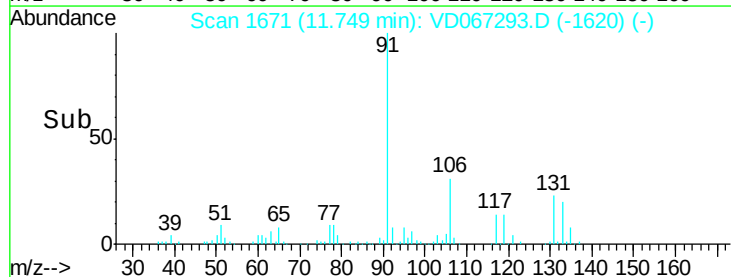
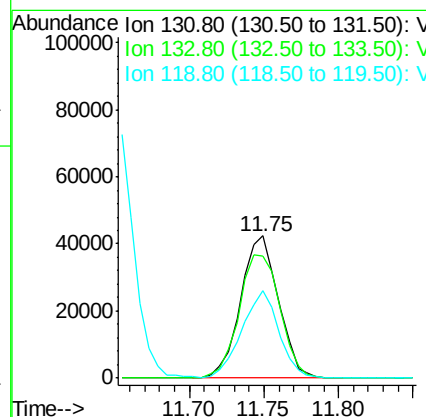
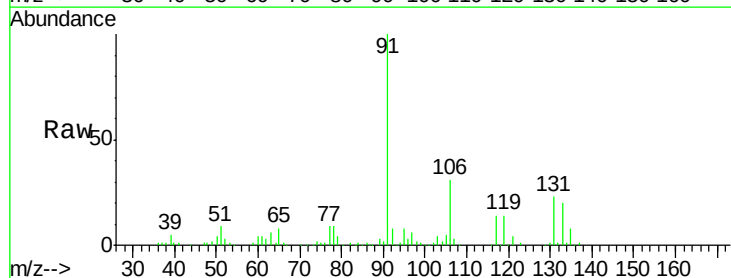
Manual Integrations
APPROVED

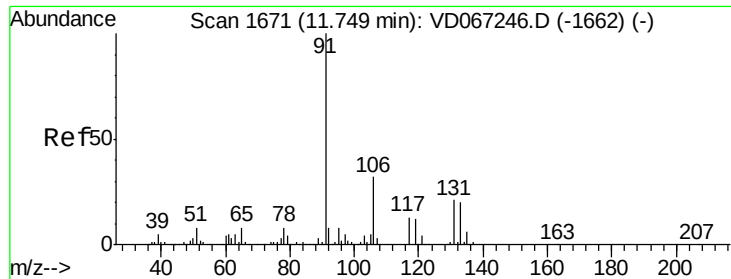
MMDadoda
10/19/2020 11:09:29 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.426 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	74230		
133	94.7	48.1	144.3	
119	60.5	30.0	90.0	





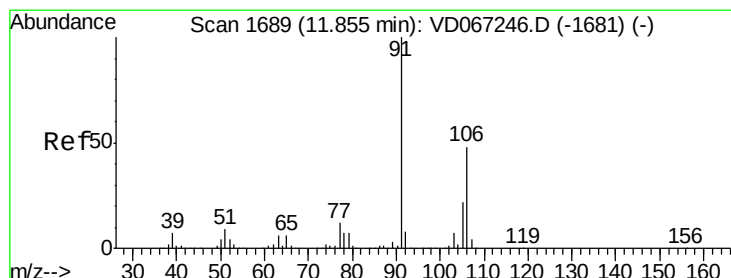
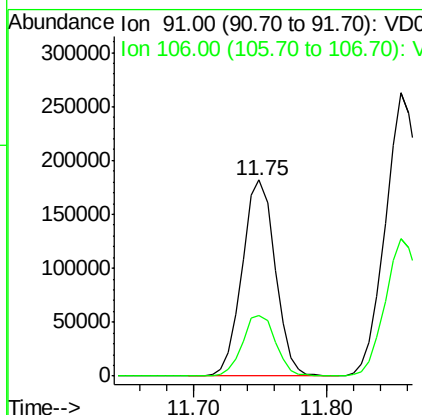
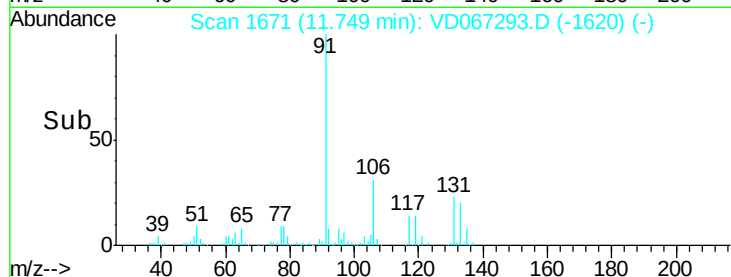
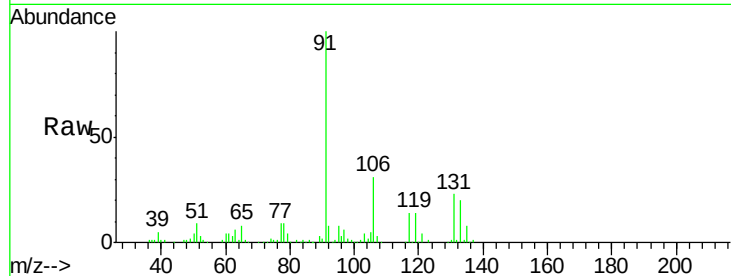
#67
Ethyl Benzene
Concen: 20.768 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion: 91 Resp: 310326
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.0

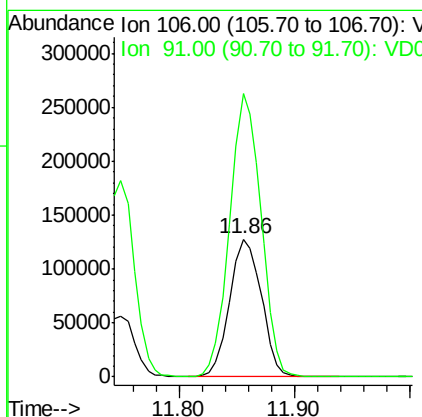
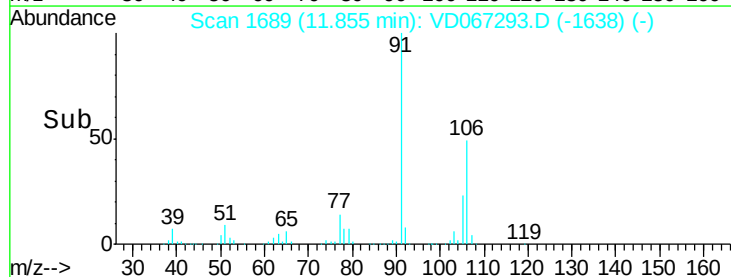
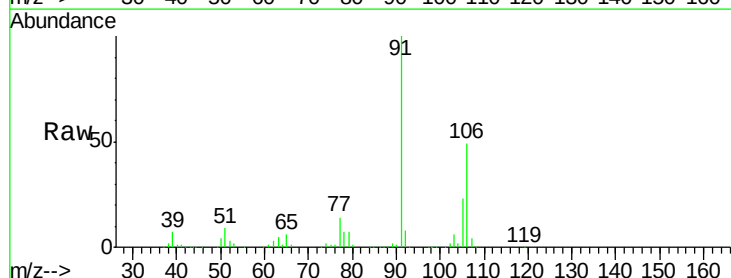
Manual Integrations
APPROVED

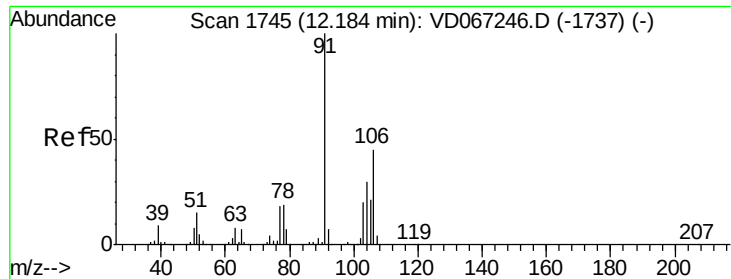
MMDadoda
10/19/2020 11:09:29 AM



#68
m/p-Xylenes
Concen: 42.131 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion: 106 Resp: 242433
Ion Ratio Lower Upper
106 100
91 203.5 163.8 245.8





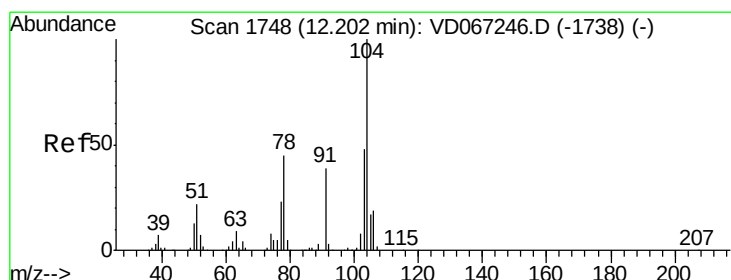
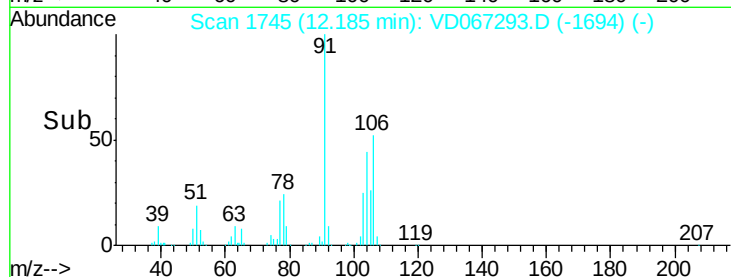
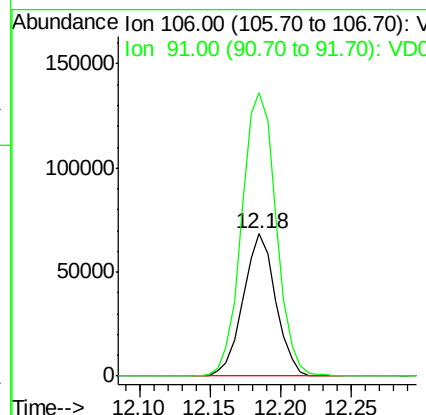
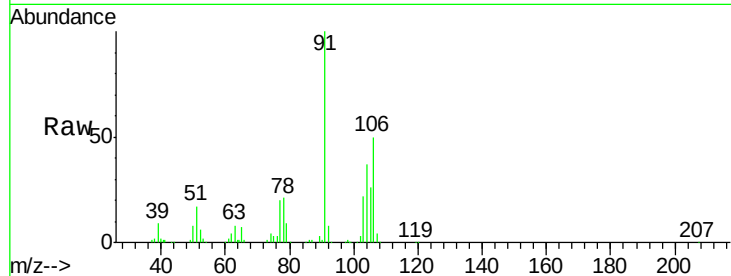
#69
o-Xylene
Concen: 20.764 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	209.9	109.1	327.3		

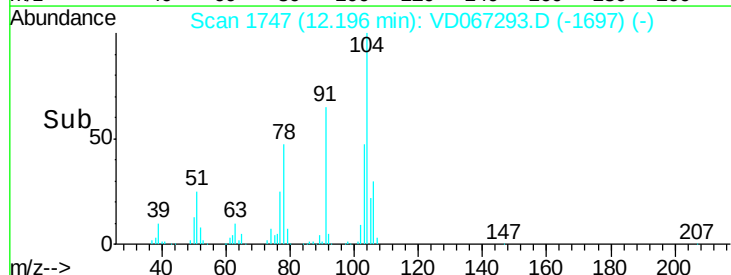
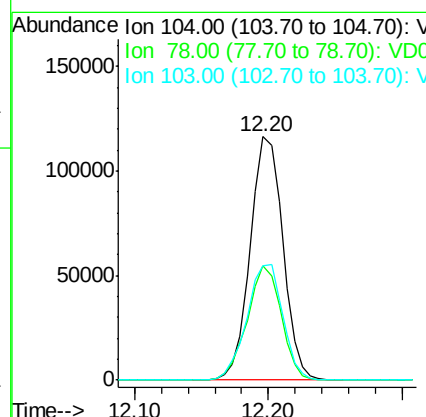
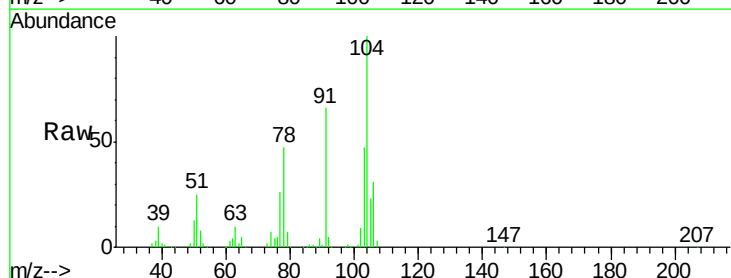
Manual Integrations
APPROVED

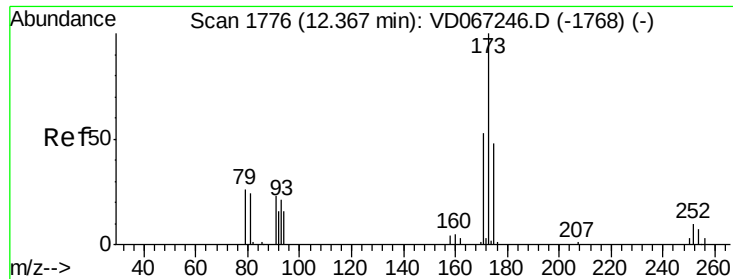
MMDadoda
10/19/2020 11:09:29 AM



#70
Styrene
Concen: 21.479 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.1	39.8	59.6		
103	52.5	42.6	64.0		





#71

Bromoform

Concen: 21.499 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

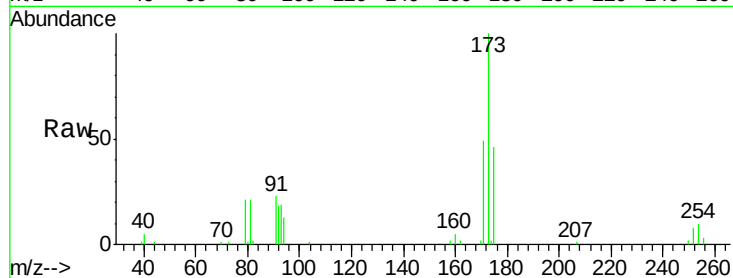
ClientSampleId :

VD1016SBS01

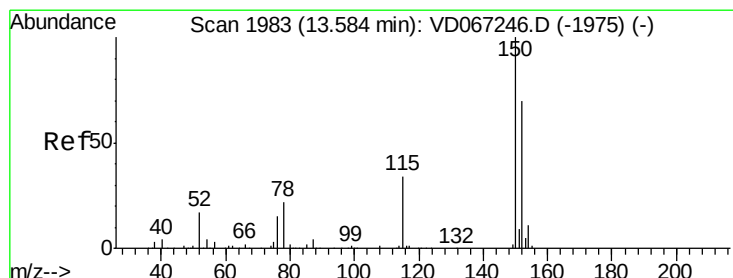
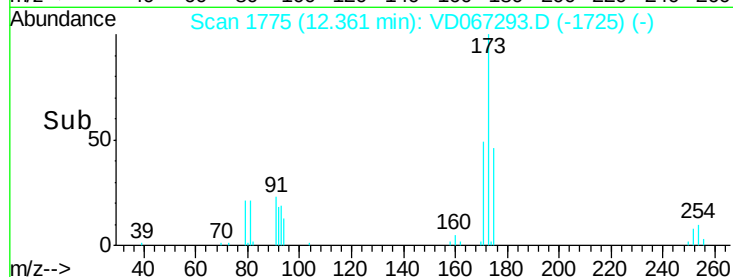
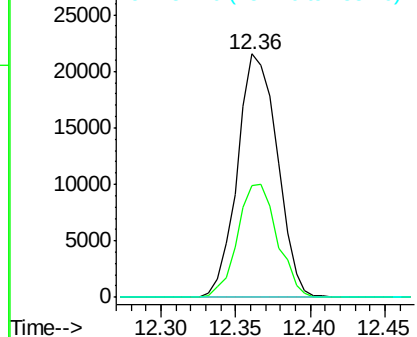
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.2	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:29 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

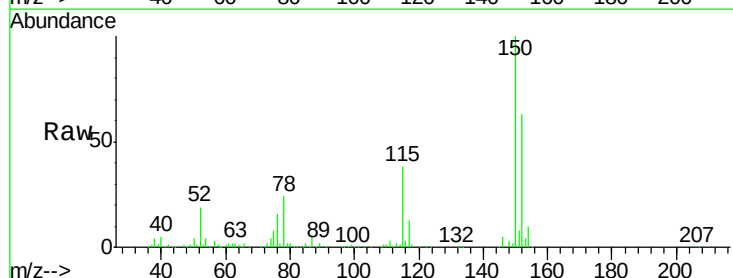
RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

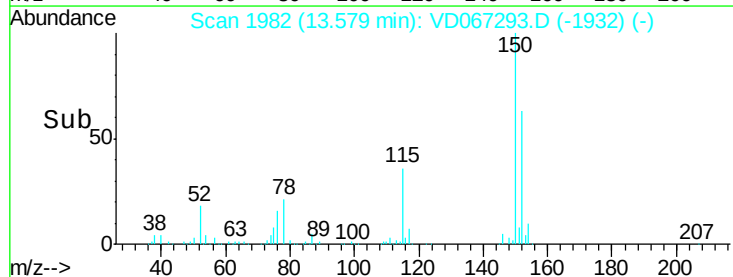
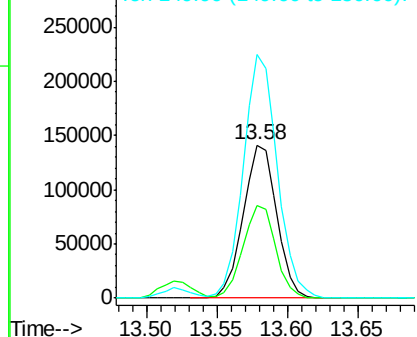
Lab File: VD067293.D

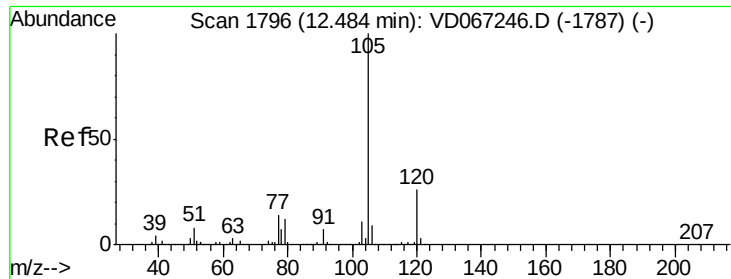
Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.3	87.9
150	161.2	0.0	339.0



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





#73

Isopropylbenzene

Concen: 20.705 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion:105 Resp: 308428

Ion Ratio Lower Upper

105 100

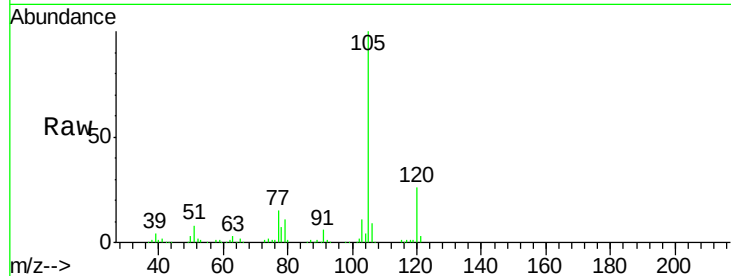
120 25.9 13.3 39.8

Manual Integrations

APPROVED

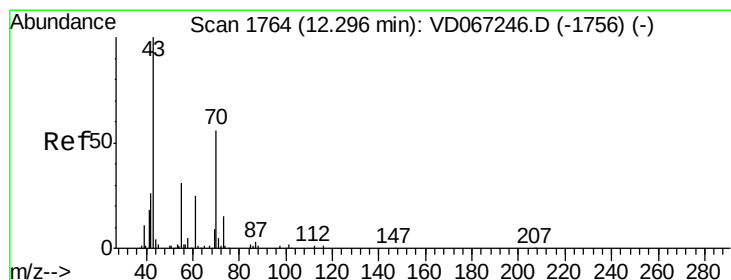
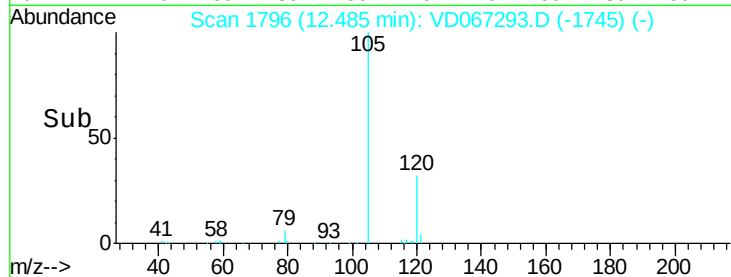
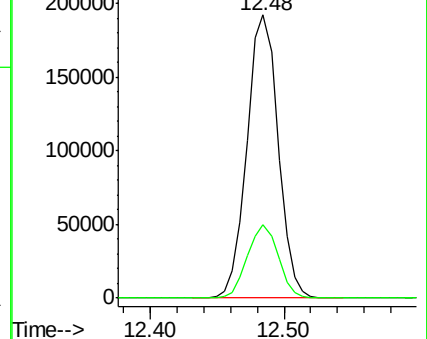
MMDadoda

10/19/2020 11:09:29 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: 20.927 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Tgt Ion: 43 Resp: 47083

Ion Ratio Lower Upper

43 100

70 54.2 42.7 64.1

55 31.7 24.0 36.0

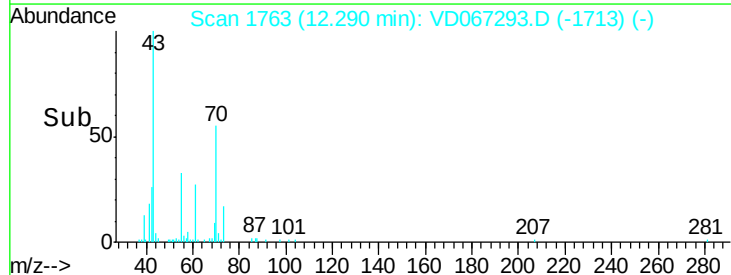
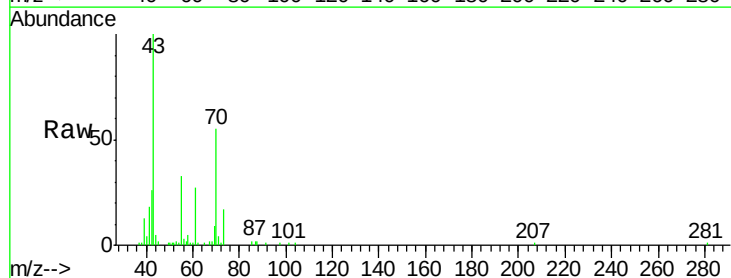
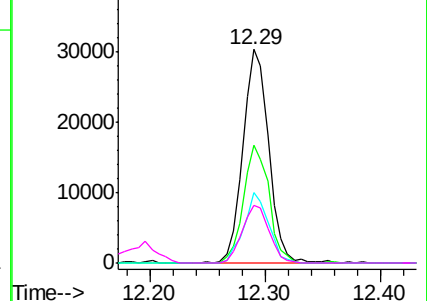
61 28.0 22.2 33.4

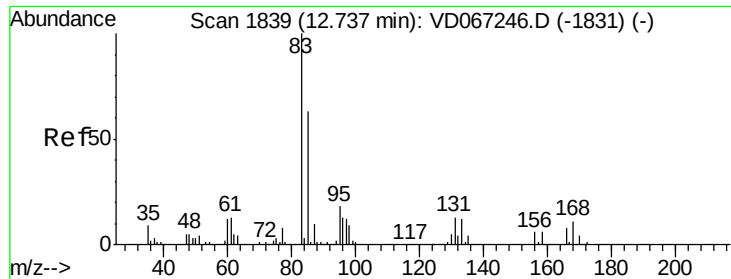
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.897 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 83 Resp: 47698

Ion Ratio Lower Upper

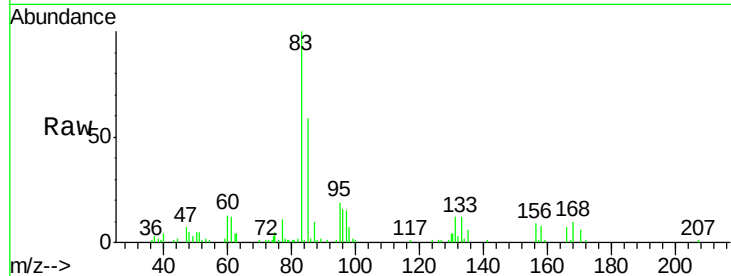
83 100

131 13.8 6.5 19.5

85 63.8 32.6 97.7

Manual Integrations
APPROVED

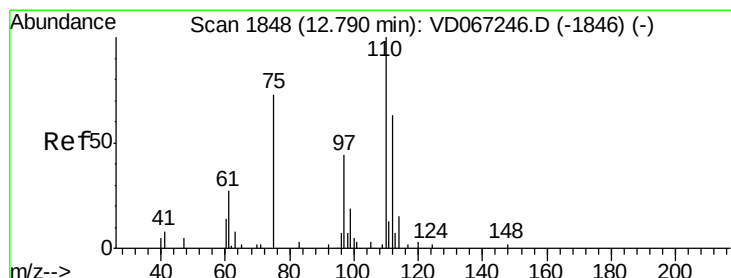
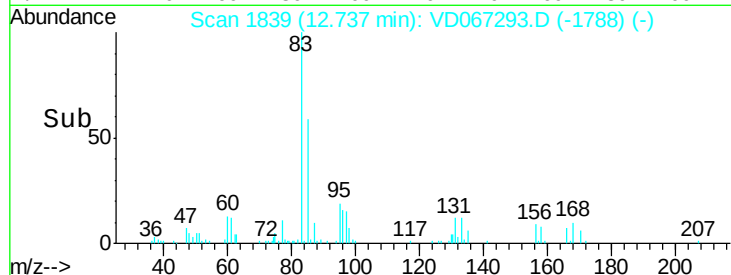
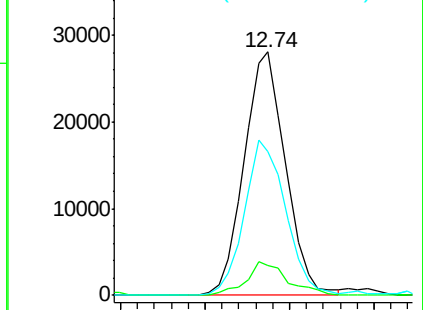
MMDadoda
10/19/2020 11:09:29 AM



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 22.562 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067293.D

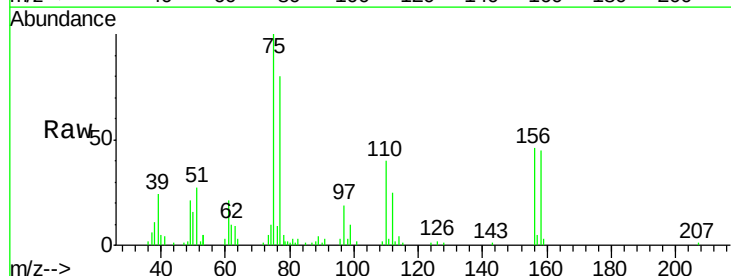
Acq: 16 Oct 2020 12:23

Tgt Ion: 75 Resp: 36704

Ion Ratio Lower Upper

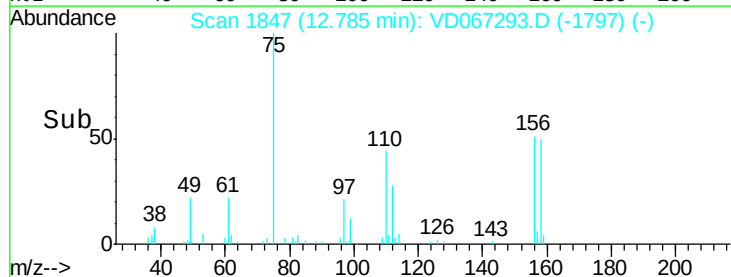
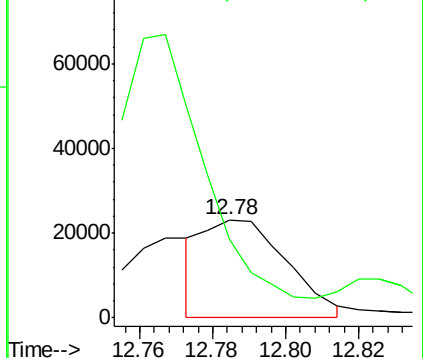
75 100

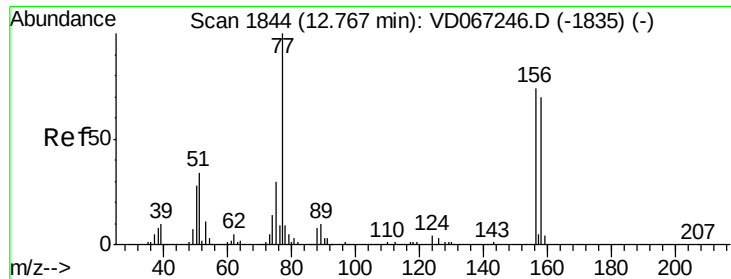
77 339.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.571 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

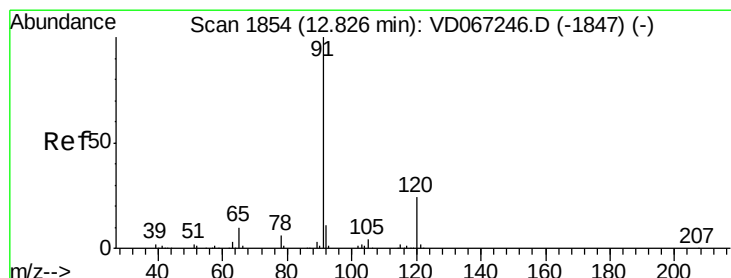
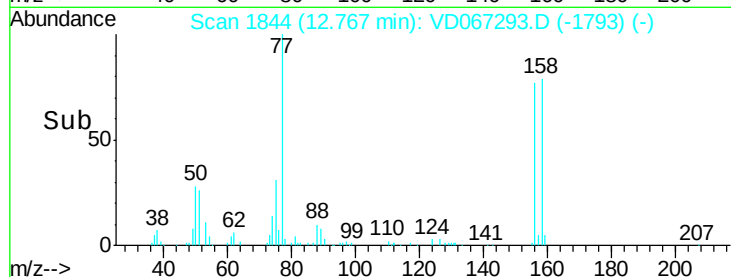
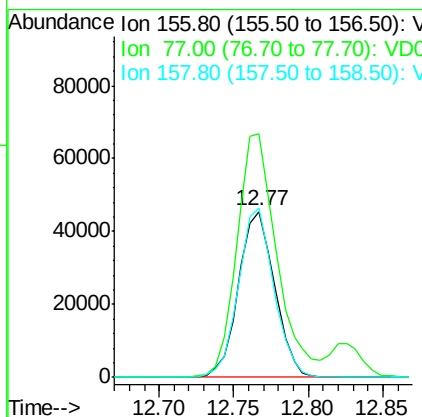
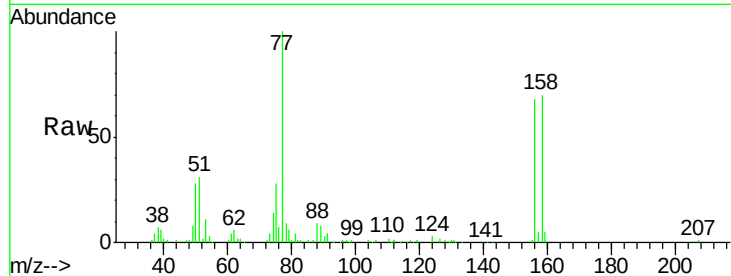
ClientSampleId :

VD1016SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.0	78.0	233.8
158	100.0	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:29 AM



#78

n-propylbenzene

Concen: 21.070 ug/l

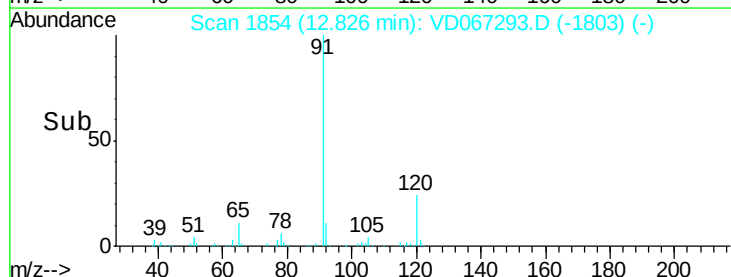
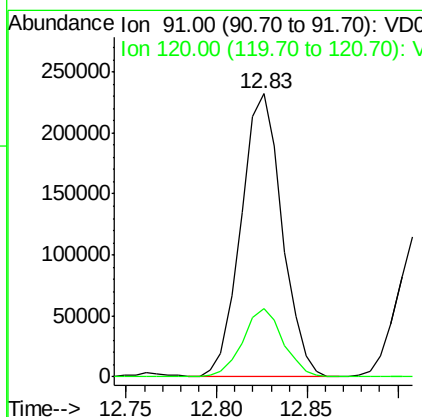
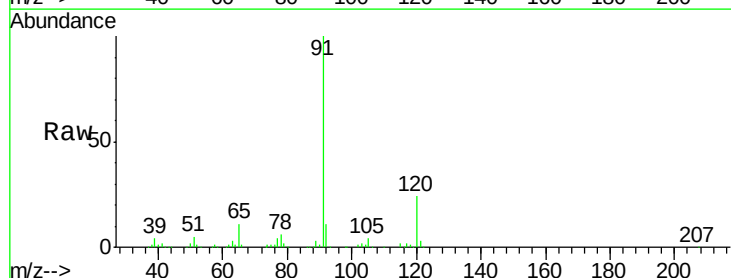
RT: 12.83 min Scan# 1854

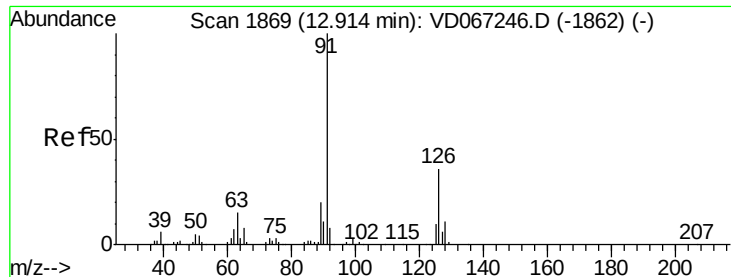
Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.9





#79

2-Chlorotoluene

Concen: 20.590 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 91 Resp: 206086

Ion Ratio Lower Upper

91 100

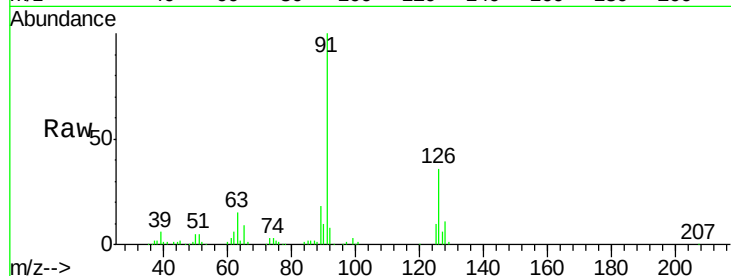
126 34.8 17.6 52.8

Manual Integrations

APPROVED

MMDadoda

10/19/2020 11:09:29 AM



Abundance Ion 91.00 (90.70 to 91.70): VD067246.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067246.D (-1862) (-)

200000

150000

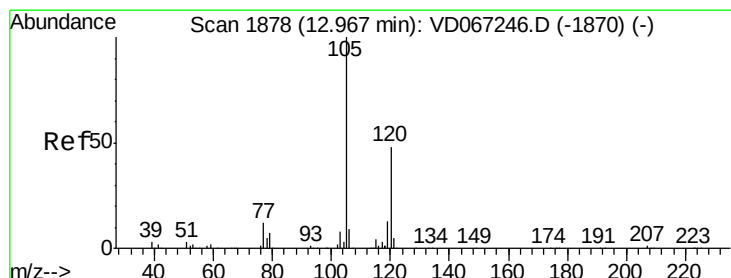
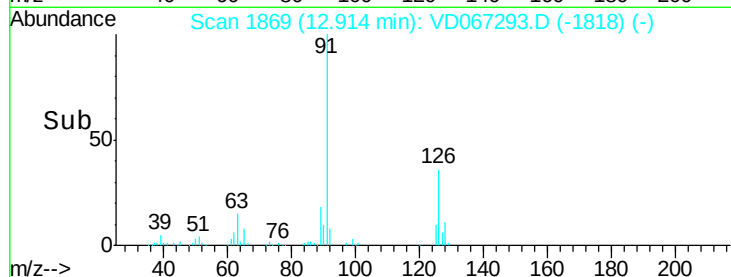
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.729 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067293.D

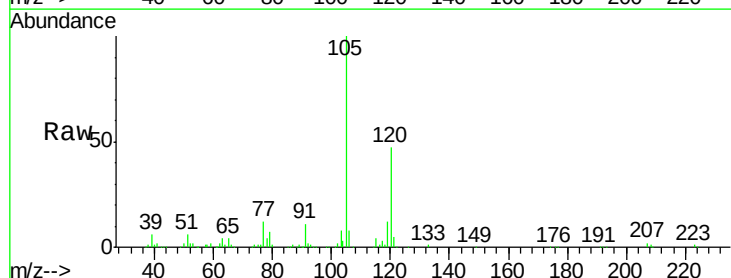
Acq: 16 Oct 2020 12:23

Tgt Ion: 105 Resp: 268345

Ion Ratio Lower Upper

105 100

120 49.2 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067246.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD067246.D (-1870) (-)

200000

150000

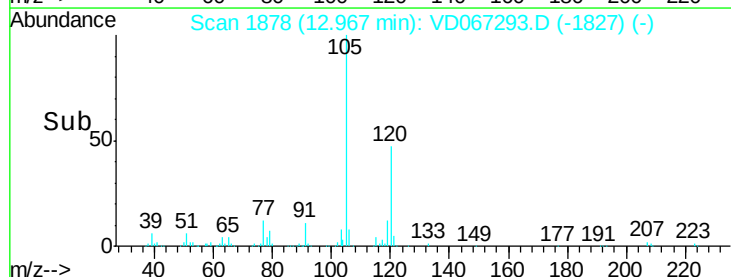
100000

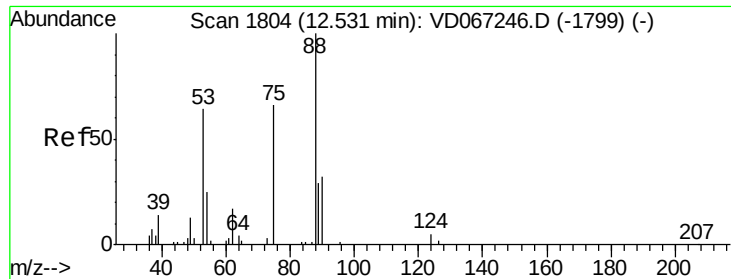
50000

0

12.90 12.95 13.00

Time-->





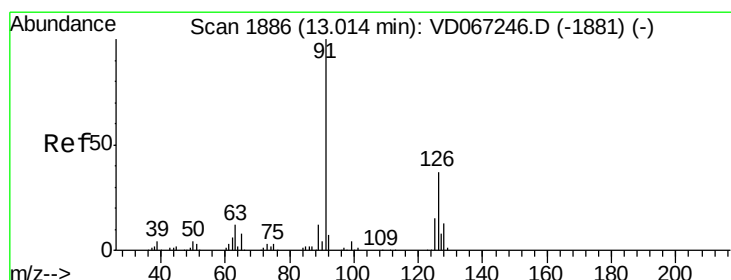
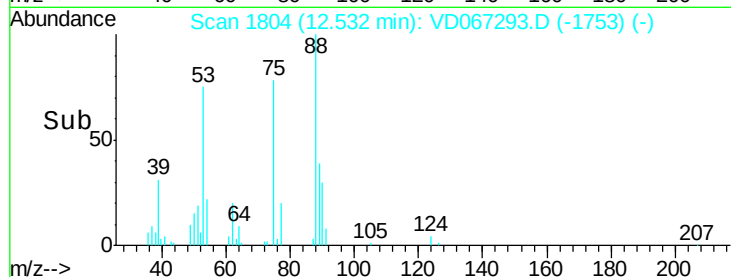
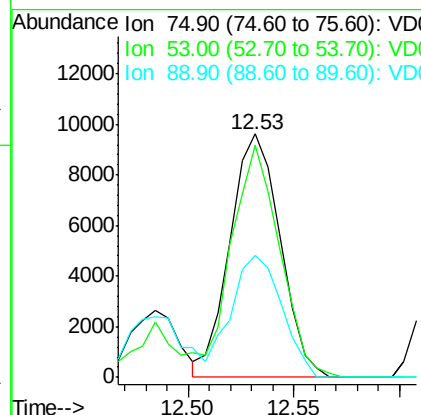
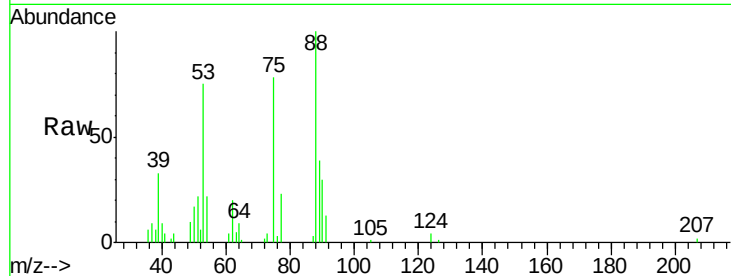
#81
trans-1,4-Dichloro-2-butene
Concen: 22.083 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.1	78.5	117.7
89	50.5	39.9	59.9

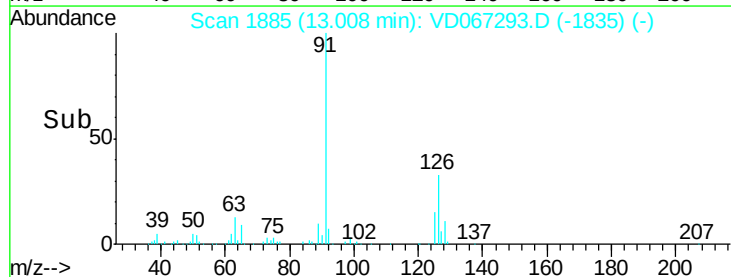
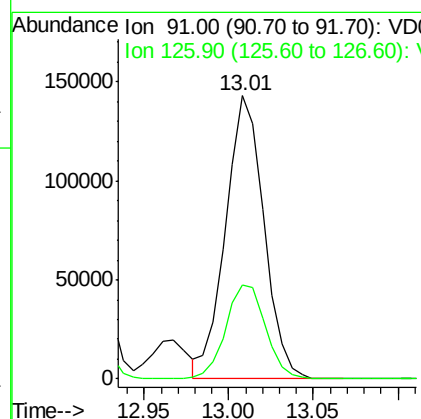
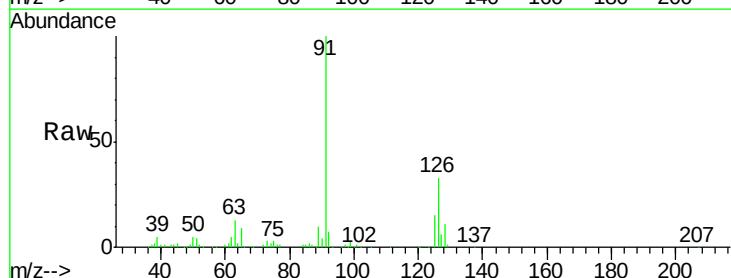
Manual Integrations
APPROVED

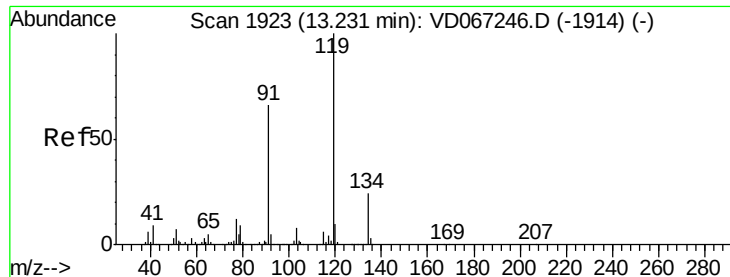
MMDadoda
10/19/2020 11:09:29 AM



#82
4-Chlorotoluene
Concen: 21.269 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.8	53.5





#83

tert-Butylbenzene

Concen: 20.716 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

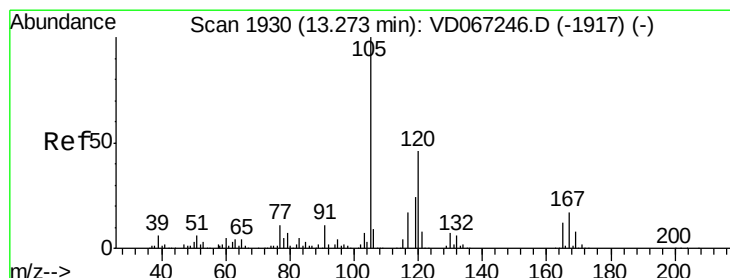
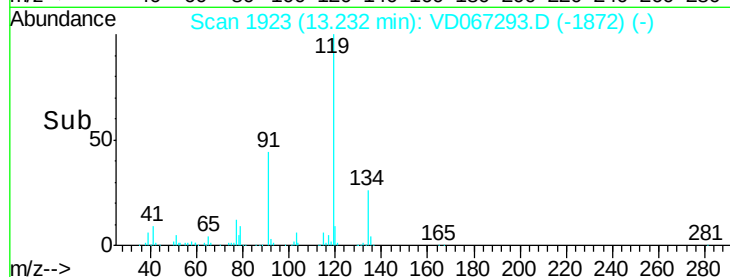
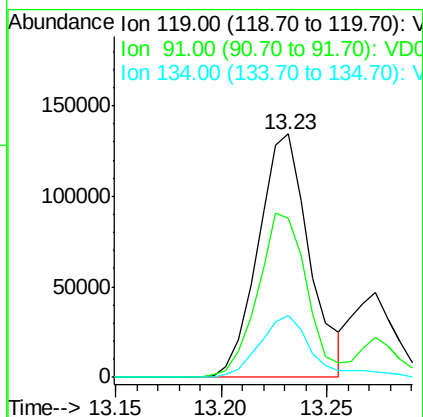
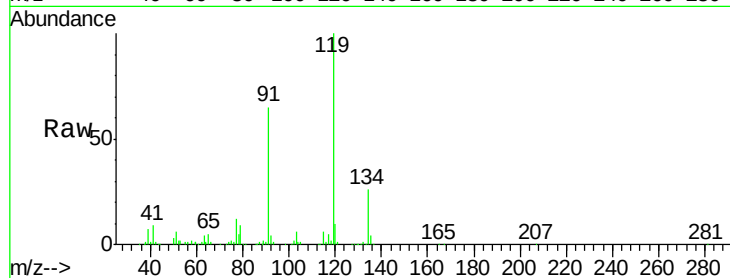
ClientSampleId :

VD1016SBS01

Tot Ion:	119	Resp:	226532
Ion Ratio	Lower	Upper	
119	100		
91	64.7	33.1	99.2
134	26.5	13.3	39.9

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:29 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.879 ug/l

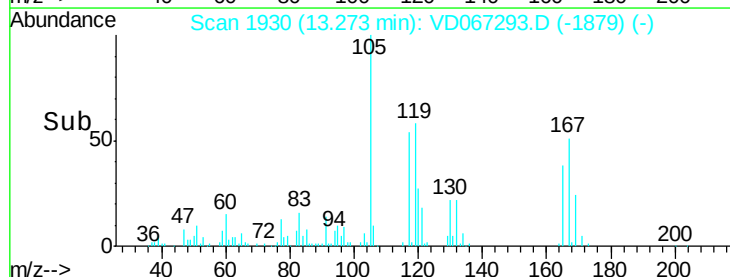
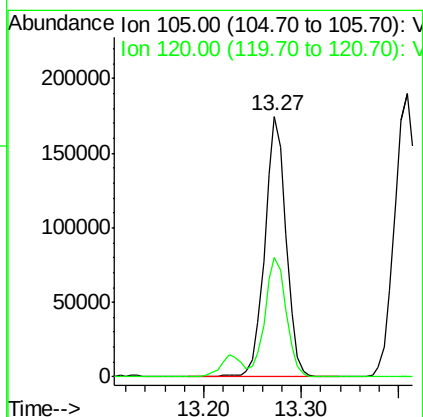
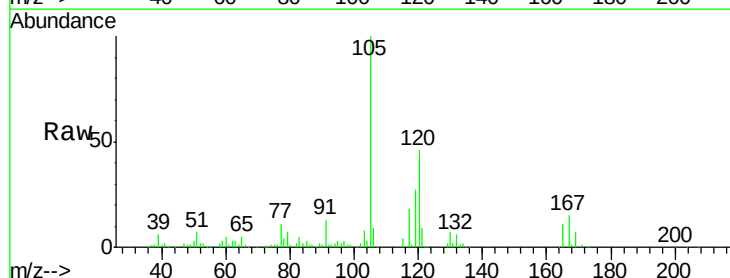
RT: 13.27 min Scan# 1930

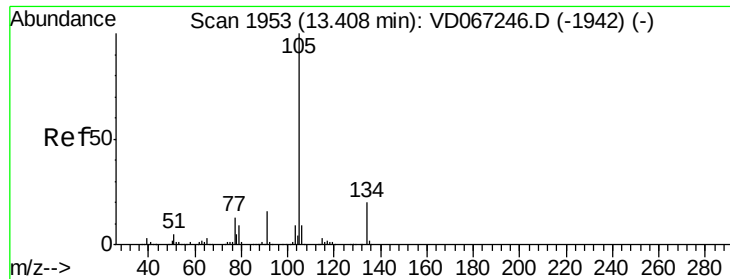
Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Tgt Ion:	105	Resp:	267142
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.4	67.3





#85

sec-Butylbenzene

Concen: 20.234 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion:105 Resp: 303594

Ion Ratio Lower Upper

105 100

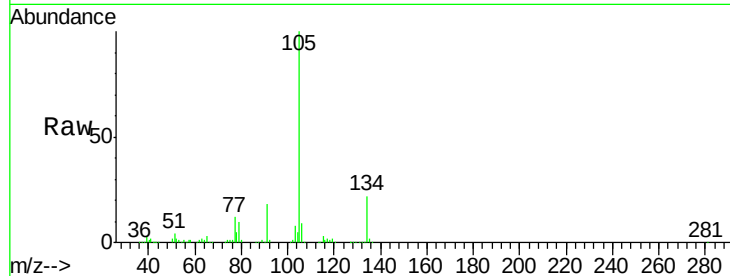
134 21.2 10.5 31.5

Manual Integrations

APPROVED

MMDadoda

10/19/2020 11:09:29 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

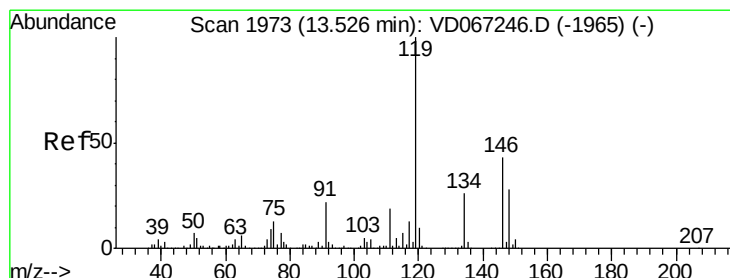
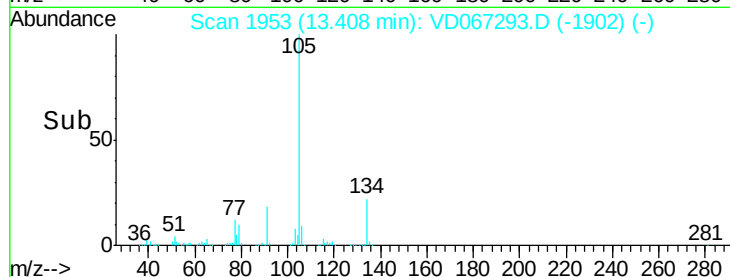
100000

50000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 20.386 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067293.D

Acq: 16 Oct 2020 12:23

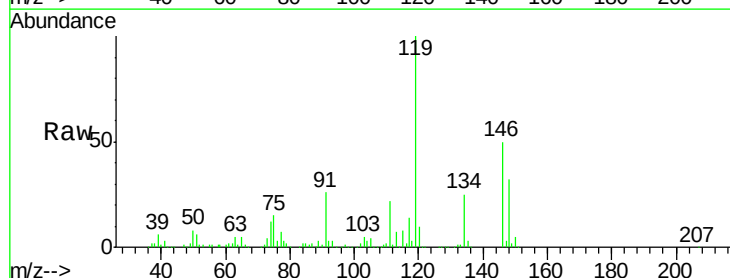
Tgt Ion:119 Resp: 288714

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

91 24.6 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

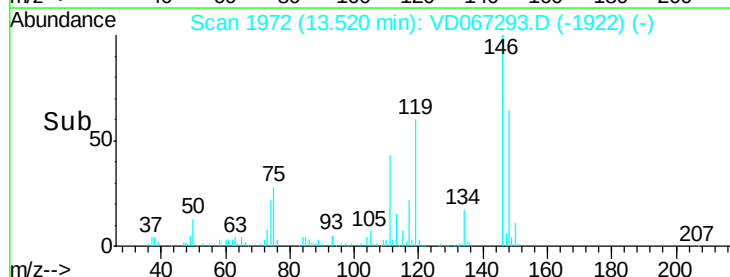
100000

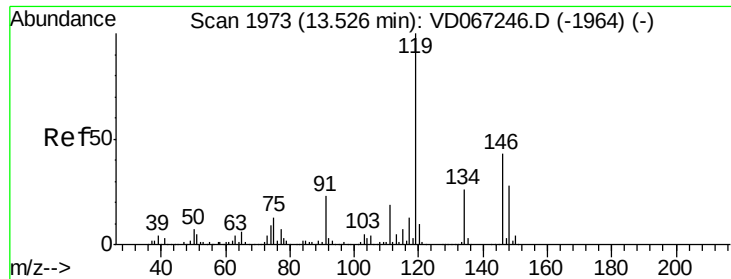
50000

0

13.45 13.50 13.55 13.60

Time-->





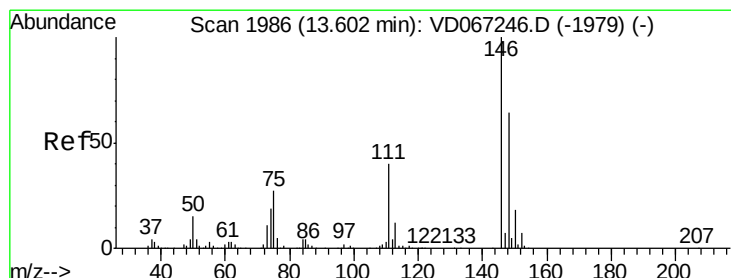
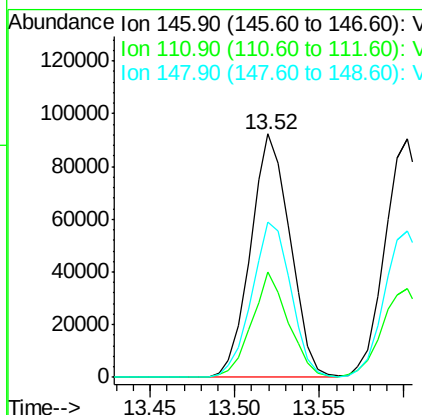
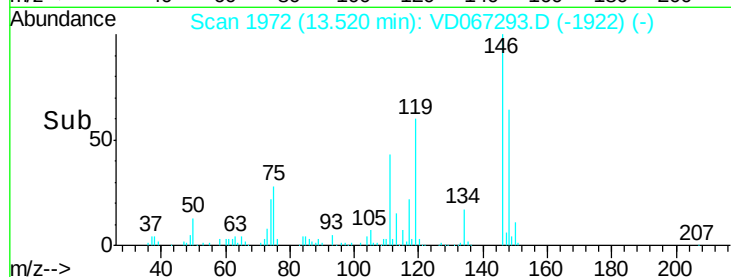
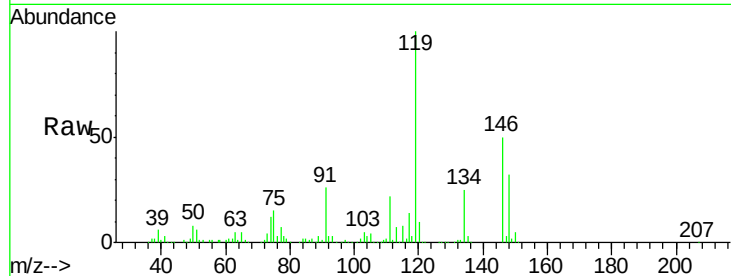
#87
 1,3-Dichlorobenzene
 Concen: 21.064 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	150571		
111	40.0	21.1	63.3	
148	63.3	31.9	95.9	

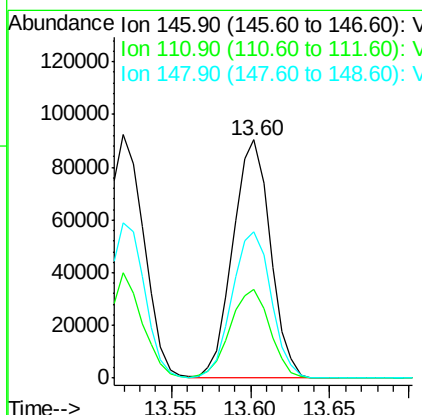
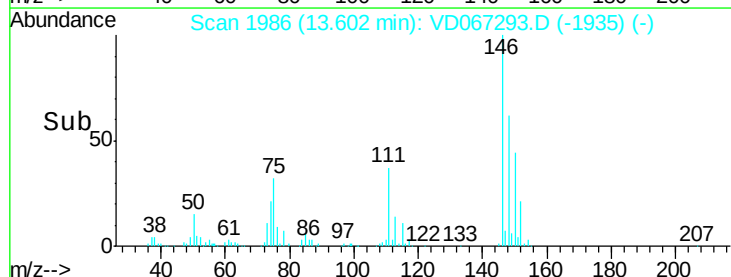
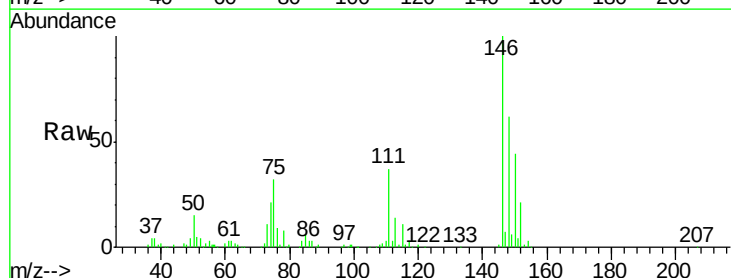
Manual Integrations
 APPROVED

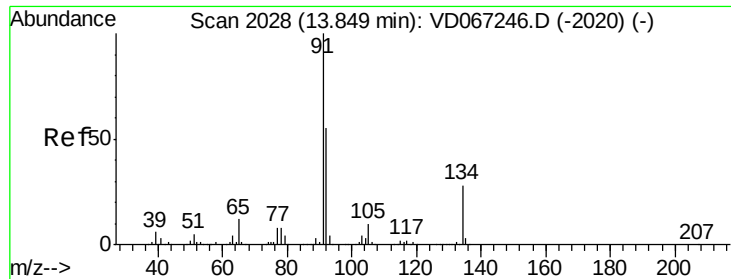
MMDadoda
 10/19/2020 11:09:29 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.017 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	148847		
111	39.4	19.9	59.7	
148	63.7	31.9	95.9	





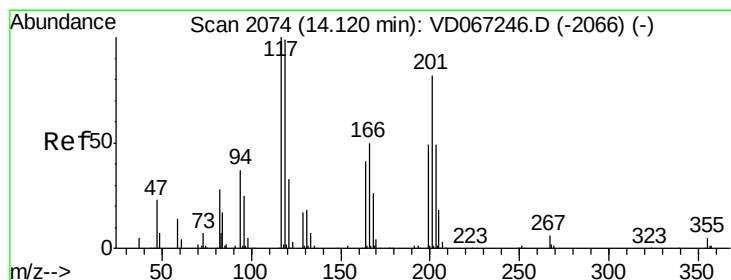
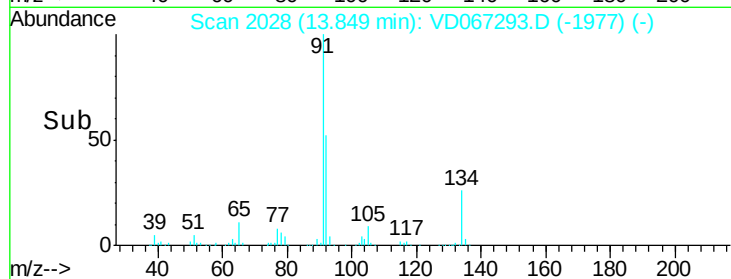
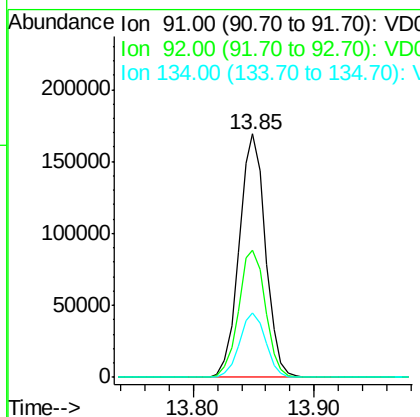
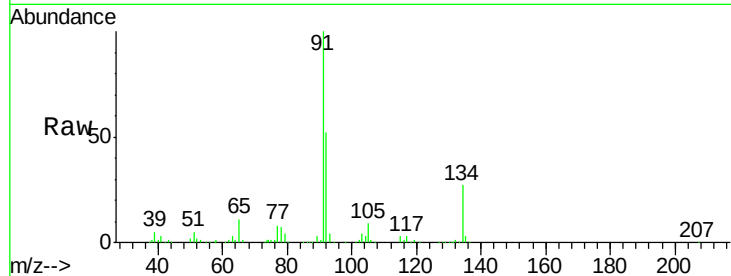
#89
n-Butylbenzene
Concen: 20.565 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	256219		
92	53.6		26.7	80.0
134	26.6		14.2	42.6

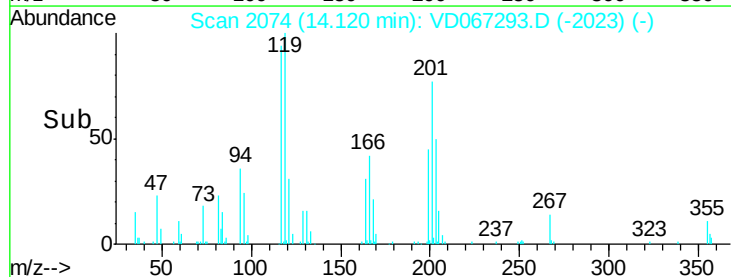
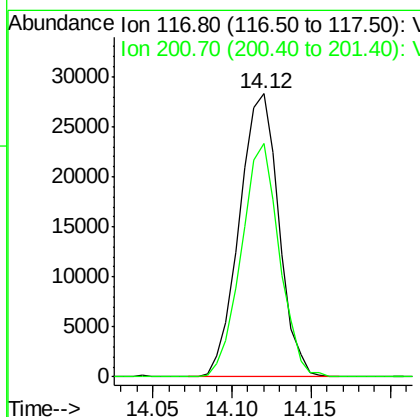
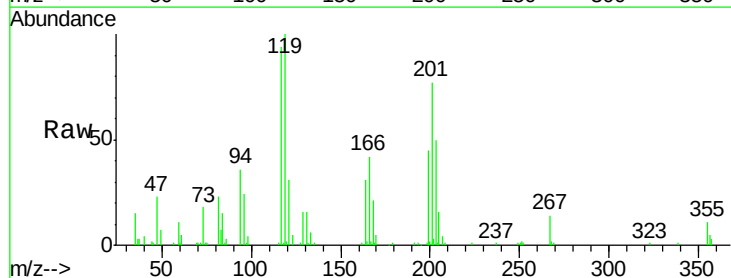
Manual Integrations
APPROVED

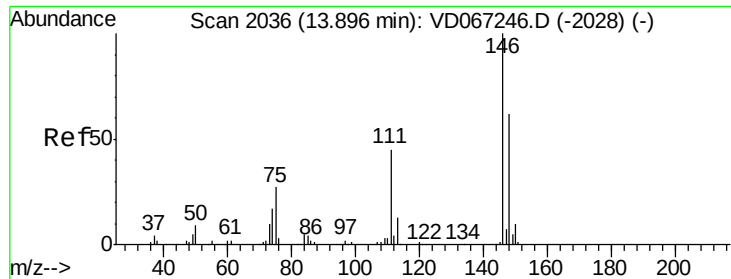
MMDadoda
10/19/2020 11:09:29 AM



#90
Hexachloroethane
Concen: 19.802 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	48937		
201	79.4		40.8	122.2





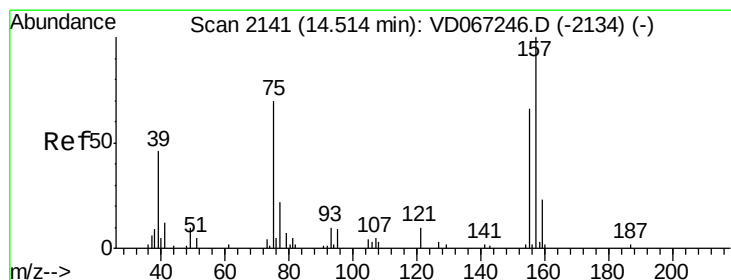
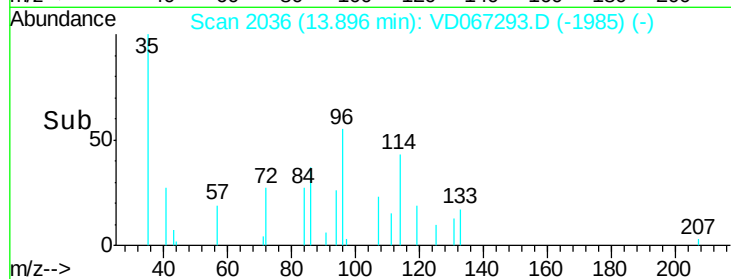
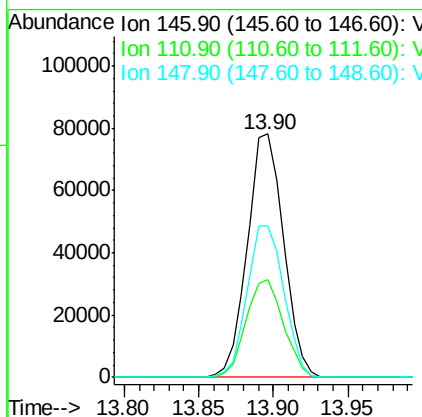
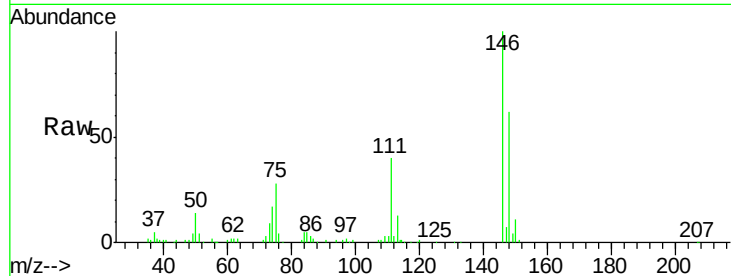
#91
 1,2-Dichlorobenzene
 Concen: 21.058 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	22.0	66.0
148	63.3	32.5	97.5

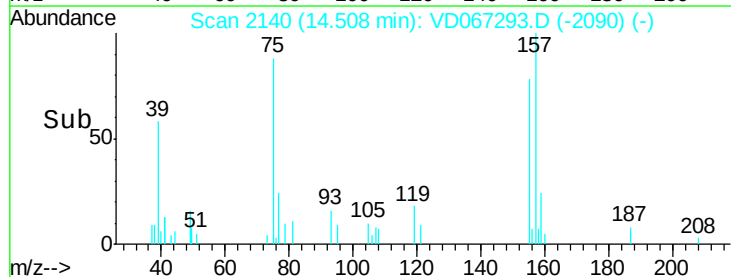
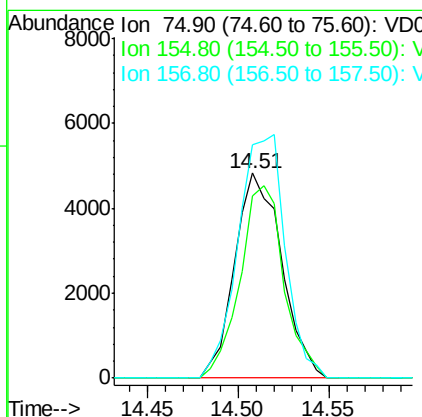
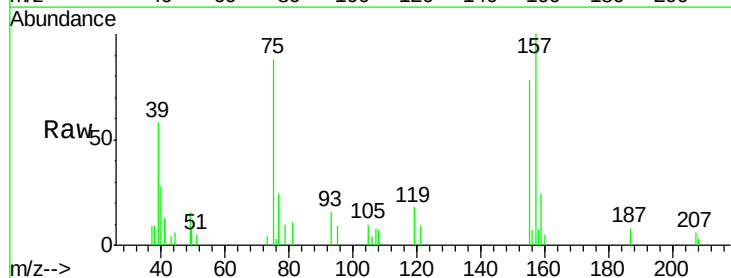
Manual Integrations
 APPROVED

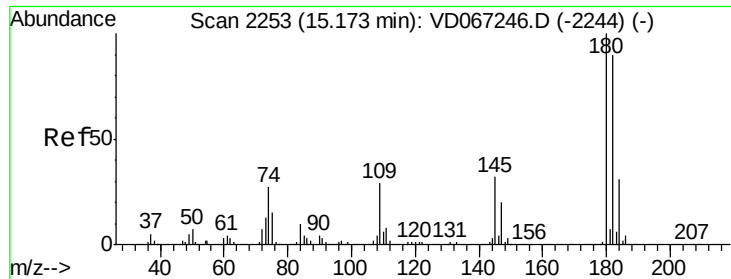
MMDadoda
 10/19/2020 11:09:29 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.964 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	44.8	134.4
157	119.3	62.5	187.4





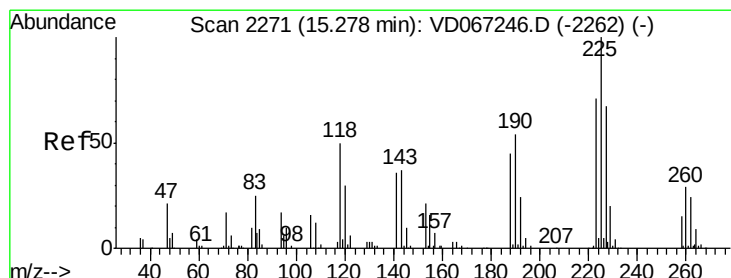
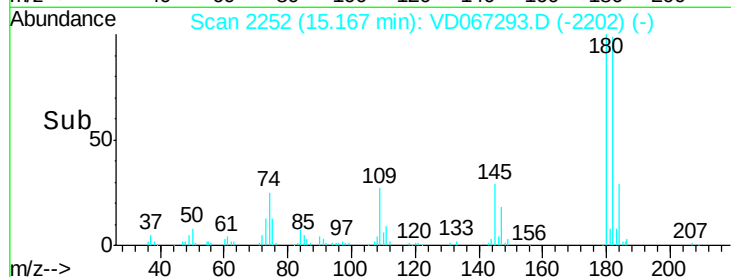
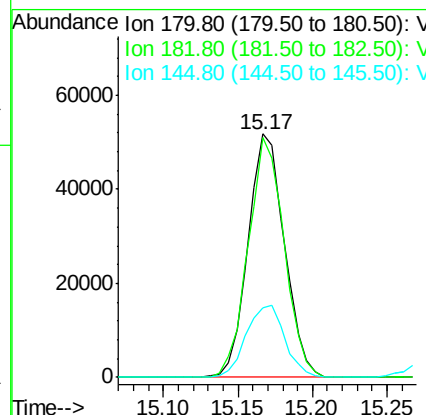
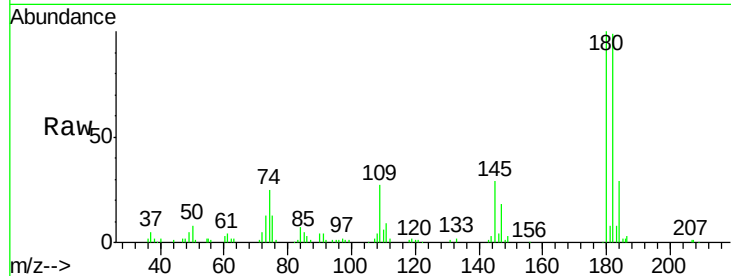
#93
 1,2,4-Trichlorobenzene
 Concen: 20.728 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS001

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.1	144.4
145	31.5	16.3	48.9

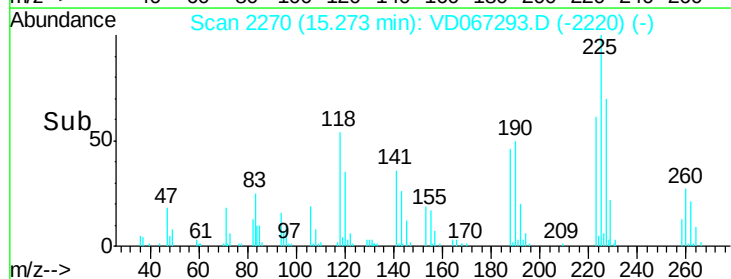
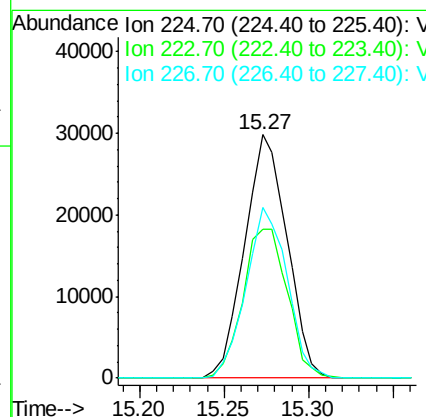
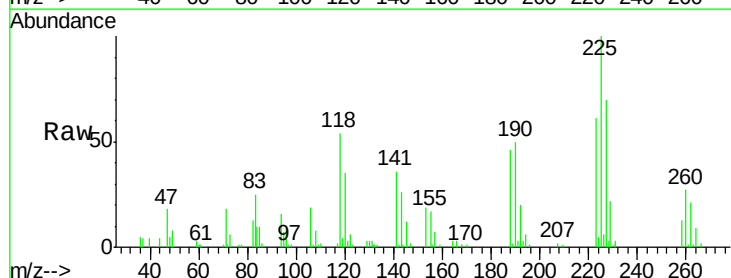
Manual Integrations
 APPROVED

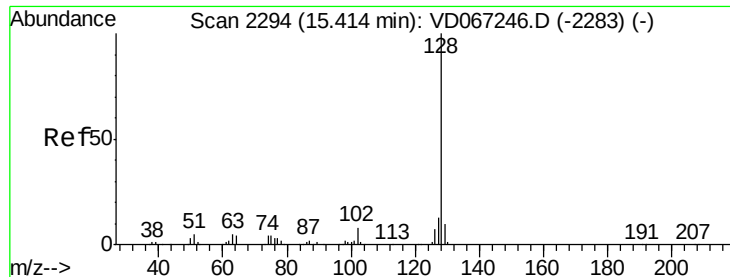
MMDadoda
 10/19/2020 11:09:29 AM



#94
 Hexachlorobutadiene
 Concen: 19.974 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067293.D
 Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.9	95.7
227	67.9	31.2	93.6





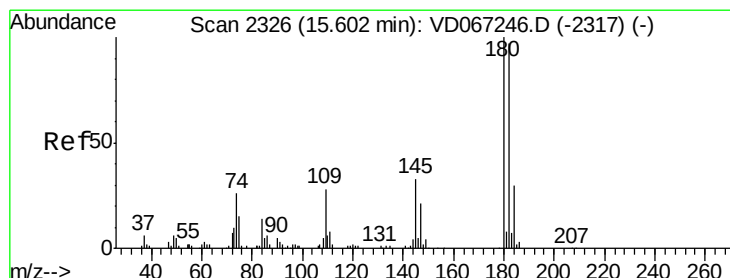
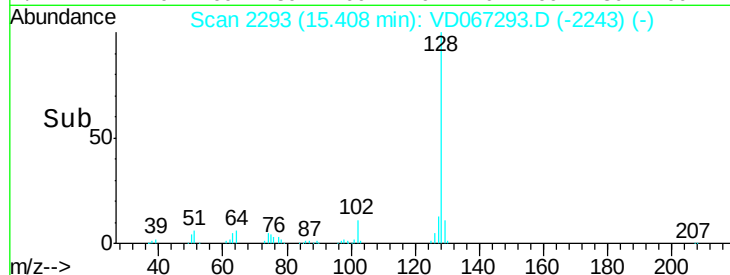
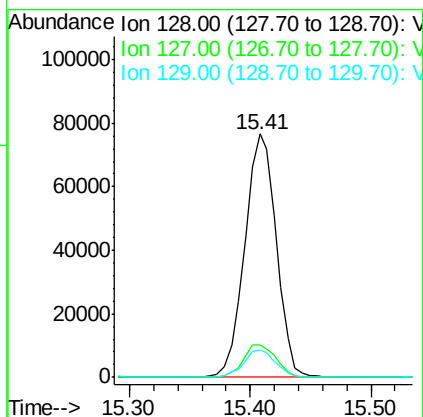
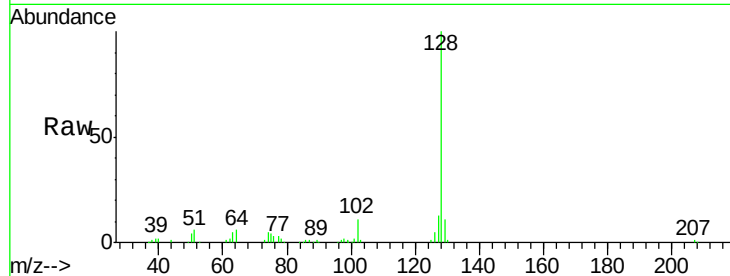
#95
Naphthalene
Concen: 20.252 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.4	15.6
129	11.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:29 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.350 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067293.D
Acq: 16 Oct 2020 12:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.3
145	36.6	17.3	51.9

