

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067387.D
 Acq On : 26 Oct 2020 12:50
 Operator : VA/SY
 Sample : VD1026SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 11:45:52 AM

Quant Time: Oct 27 01:12:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	299149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	457722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	421856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	215423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	151802	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	7.92	113	155660	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.34	98	557229	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.64	95	199165	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52010	18.944	ug/l	90
3) Chloromethane	2.21	50	37831	20.094	ug/l	96
4) Vinyl Chloride	2.35	62	38807	18.786	ug/l	99
5) Bromomethane	2.76	94	31759	20.717	ug/l	100
6) Chloroethane	2.91	64	25411	19.752	ug/l	99
7) Trichlorofluoromethane	3.27	101	111503	21.436	ug/l	96
8) Diethyl Ether	3.71	74	25744	21.629	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	58129	21.034	ug/l	99
10) Methyl Iodide	4.30	142	53419	20.954	ug/l	98
11) Tert butyl alcohol	5.21	59	17531	81.839	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	52261	21.167	ug/l	92
13) Acrolein	3.93	56	9019	67.653	ug/l	100
14) Allyl chloride	4.71	41	57308	20.269	ug/l	100
15) Acrylonitrile	5.43	53	44176	111.229	ug/l	100
16) Acetone	4.16	43	44950	107.092	ug/l #	86
17) Carbon Disulfide	4.41	76	135821	19.297	ug/l	96
18) Methyl Acetate	4.72	43	21169	22.112	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	105125	21.414	ug/l	92
20) Methylene Chloride	4.97	84	60914	19.960	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	59557	20.962	ug/l	97
22) Diisopropyl ether	6.37	45	113631	22.000	ug/l	94
23) Vinyl Acetate	6.30	43	318166	108.277	ug/l	99
24) 1,1-Dichloroethane	6.27	63	94775	21.436	ug/l	99
25) 2-Butanone	7.21	43	51716	108.090	ug/l	97
26) 2,2-Dichloropropane	7.21	77	99244	21.778	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	65411	21.006	ug/l	96
28) Bromochloromethane	7.55	49	29947	19.858	ug/l	98
29) Tetrahydrofuran	7.57	42	29541	111.072	ug/l	94
30) Chloroform	7.71	83	114853	21.746	ug/l	94
31) Cyclohexane	7.99	56	69990	20.276	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	111120	21.443	ug/l	97
36) 1,1-Dichloropropene	8.12	75	80230	20.680	ug/l	99
37) Ethyl Acetate	7.30	43	24359	21.341	ug/l	95
38) Carbon Tetrachloride	8.10	117	105631	21.304	ug/l	99

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Manual Integrations
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Quant Time: Oct 27 01:12:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	83306	20.540	ug/l	98
40) Benzene	8.36	78	223237	20.975	ug/l	96
41) Methacrylonitrile	7.53	41	15117m	24.509	ug/l	
42) 1,2-Dichloroethane	8.43	62	71628	21.505	ug/l	99
43) Isopropyl Acetate	8.46	43	47555	20.997	ug/l	99
44) Trichloroethene	9.11	130	72733	21.344	ug/l	91
45) 1,2-Dichloropropane	9.39	63	51248	20.777	ug/l	92
46) Dibromomethane	9.48	93	32697	21.276	ug/l	93
47) Bromodichloromethane	9.67	83	89948	21.845	ug/l	88
48) Methyl methacrylate	9.46	41	21816	19.821	ug/l	95
49) 1,4-Dioxane	9.47	88	6513	420.326	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	123728	109.528	ug/l	98
52) Toluene	10.41	92	160303	22.114	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	78851	21.800	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	89619	21.171	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	44691	21.326	ug/l #	91
56) Ethyl methacrylate	10.66	69	47614	21.907	ug/l	97
57) 1,3-Dichloropropane	10.95	76	73487	22.035	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	121437	108.916	ug/l	99
59) 2-Hexanone	10.99	43	83304	107.918	ug/l	99
60) Dibromochloromethane	11.15	129	66878	21.883	ug/l	98
61) 1,2-Dibromoethane	11.25	107	43537	21.073	ug/l	97
64) Tetrachloroethene	10.88	164	65267	21.354	ug/l	92
65) Chlorobenzene	11.67	112	173180	21.408	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	70600	21.959	ug/l	98
67) Ethyl Benzene	11.75	91	297871	21.481	ug/l	100
68) m/p-Xylenes	11.86	106	236804	44.346	ug/l	97
69) o-Xylene	12.18	106	103687	20.969	ug/l	96
70) Styrene	12.20	104	182291	21.415	ug/l	98
71) Bromoform	12.37	173	38122	22.071	ug/l #	97
73) Isopropylbenzene	12.48	105	295160	21.588	ug/l	100
74) N-amyl acetate	12.30	43	43250	20.945	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	43427	20.730	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	28462m	19.063	ug/l	
77) Bromobenzene	12.77	156	73950	21.695	ug/l	98
78) n-propylbenzene	12.83	91	339133	21.409	ug/l	99
79) 2-Chlorotoluene	12.91	91	195951	21.330	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	259204	21.817	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	14301	21.720	ug/l	95
82) 4-Chlorotoluene	13.01	91	214613	22.011	ug/l	99
83) tert-Butylbenzene	13.23	119	219398	21.861	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	258440	22.008	ug/l	99
85) sec-Butylbenzene	13.41	105	289778	21.043	ug/l	98
86) p-Isopropyltoluene	13.52	119	281754	21.677	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	141586	21.581	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	139348	21.438	ug/l	97
89) n-Butylbenzene	13.85	91	239858	20.976	ug/l	99
90) Hexachloroethane	14.11	117	48346	21.314	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	124160	21.663	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7708	20.253	ug/l	89

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ClientSampleId :
VD1026SBSD01

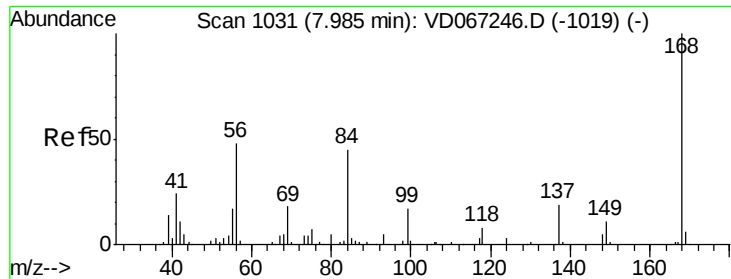
Manual Integrations
APPROVED

MMDadoda
10/27/2020 11:45:52 AM

Quant Time: Oct 27 01:12:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	85109	22.025	ug/l	98
94) Hexachlorobutadiene	15.27	225	52064	21.696	ug/l	99
95) Naphthalene	15.41	128	136270	21.478	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	75574	22.638	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion:168 Resp: 299149

Ion Ratio Lower Upper

168 100

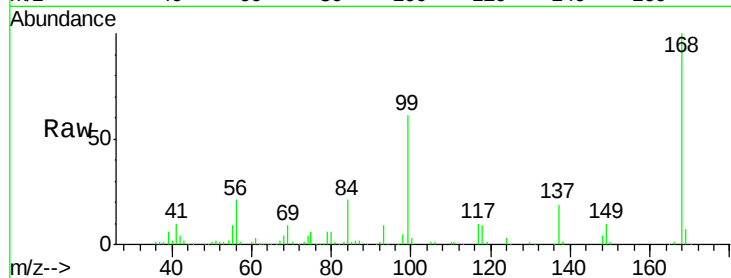
99 60.1 45.9 68.9

Manual Integrations

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10/27/2020 11:45:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

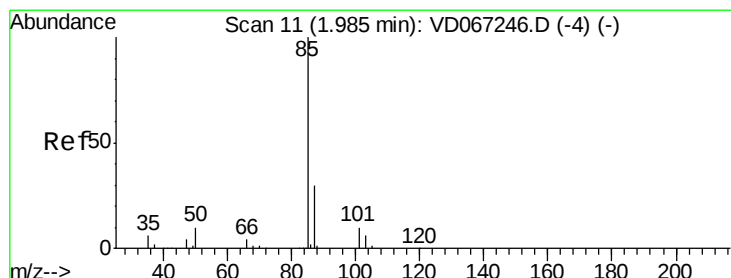
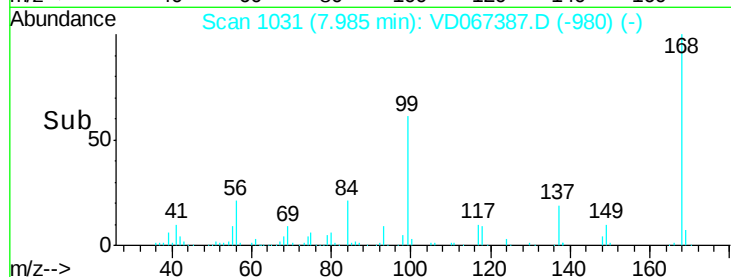
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.944 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067387.D

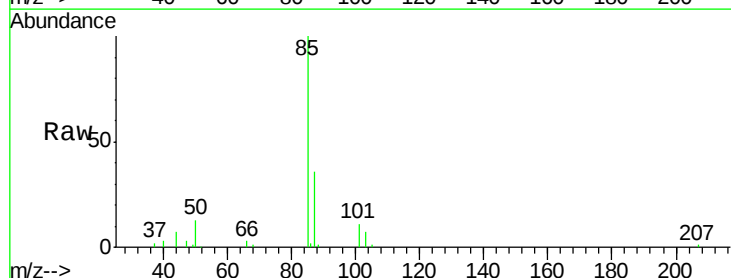
Acq: 26 Oct 2020 12:50

Tgt Ion: 85 Resp: 52010

Ion Ratio Lower Upper

85 100

87 35.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

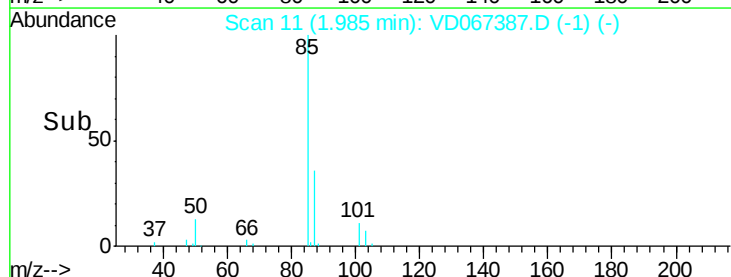
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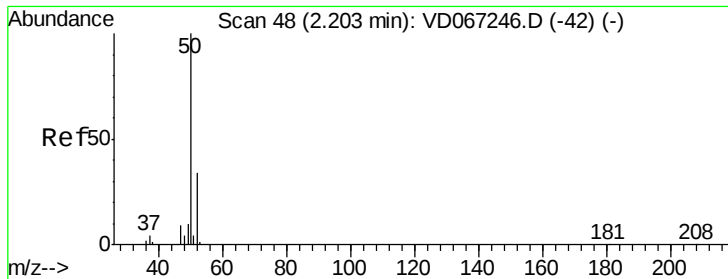
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.094 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 50 Resp: 37831

Ion Ratio Lower Upper

50 100

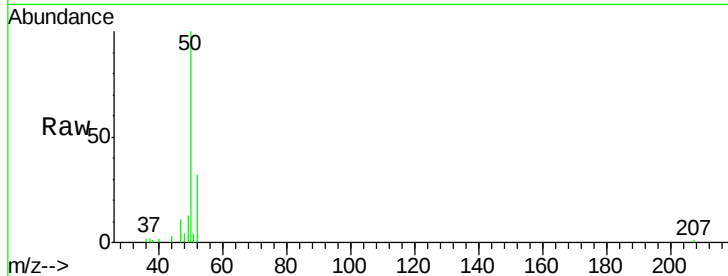
52 31.5 27.1 40.7

Manual Integrations

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10/27/2020 11:45:52 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

30000

25000

20000

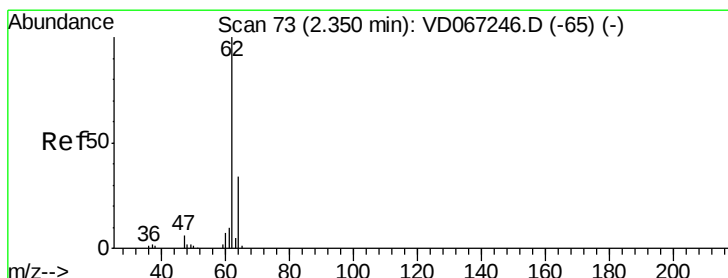
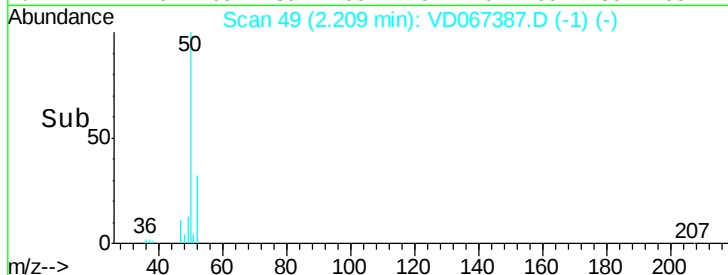
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 18.786 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067387.D

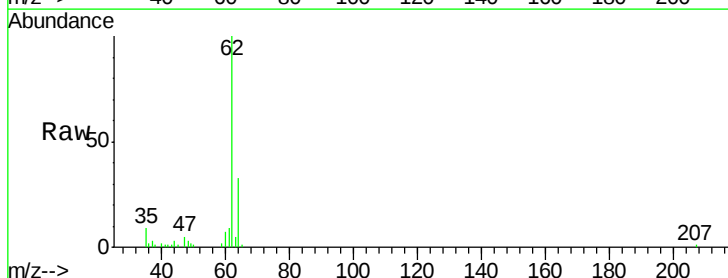
Acq: 26 Oct 2020 12:50

Tgt Ion: 62 Resp: 38807

Ion Ratio Lower Upper

62 100

64 33.4 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

30000

25000

20000

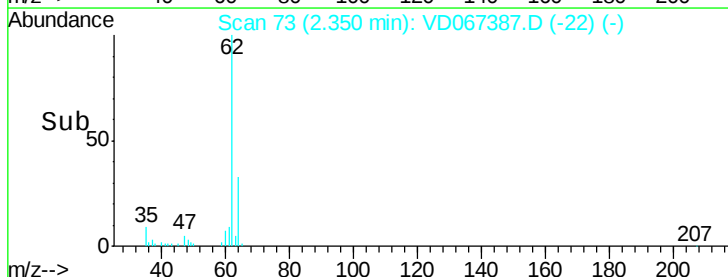
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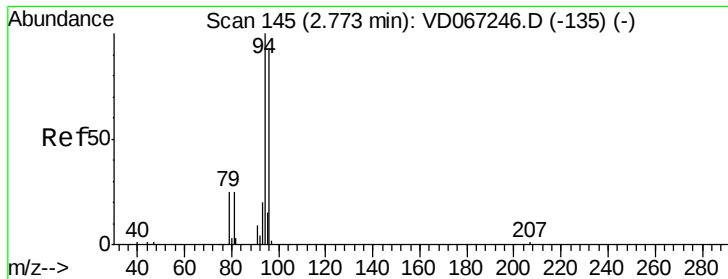
10000

5000

0

Time-->





#5

Bromomethane

Concen: 20.717 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBSD01

Tot Ion: 94 Resp: 31759

Ion Ratio Lower Upper

94 100

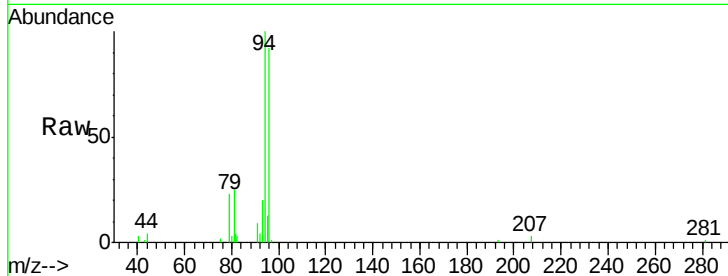
96 92.4 73.8 110.6

Manual Integrations

APPROVED

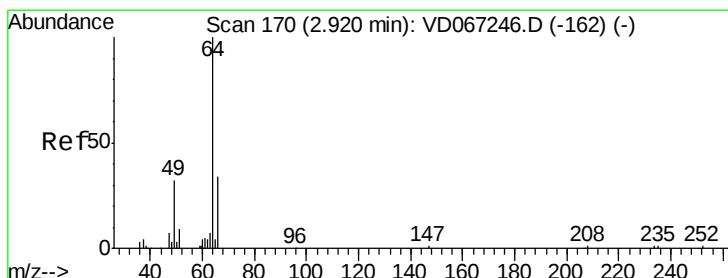
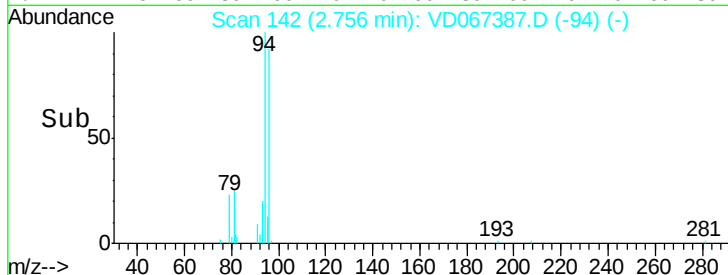
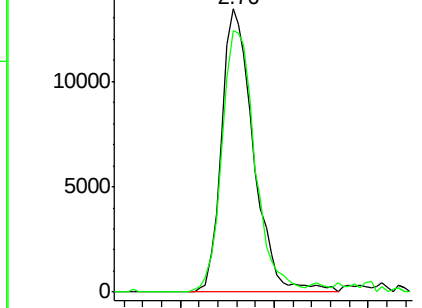
MMDadoda

10/27/2020 11:45:52 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.752 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067387.D

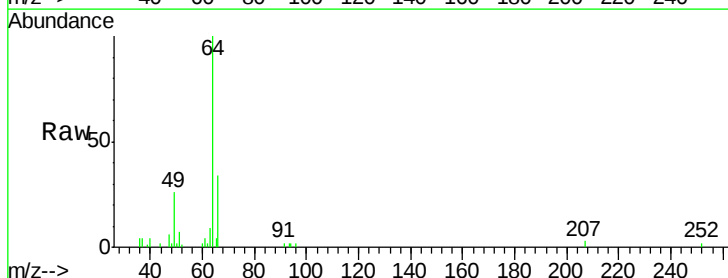
Acq: 26 Oct 2020 12:50

Tgt Ion: 64 Resp: 25411

Ion Ratio Lower Upper

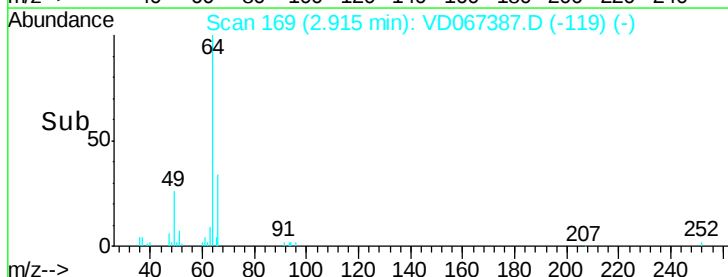
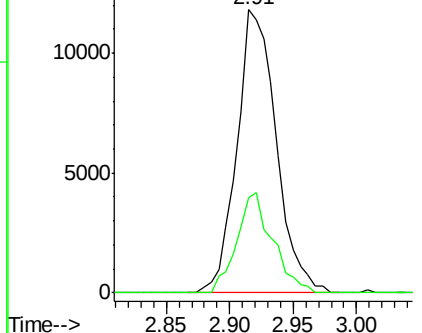
64 100

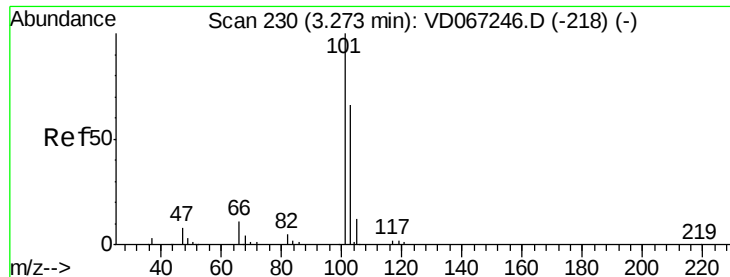
66 33.8 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

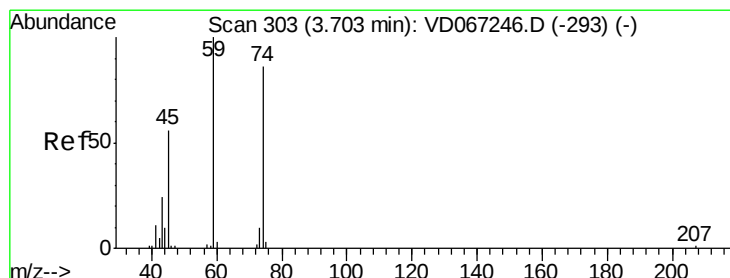
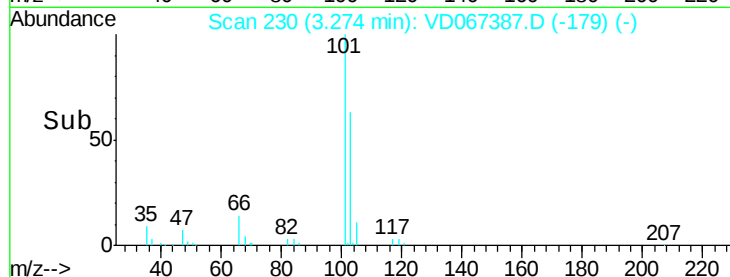
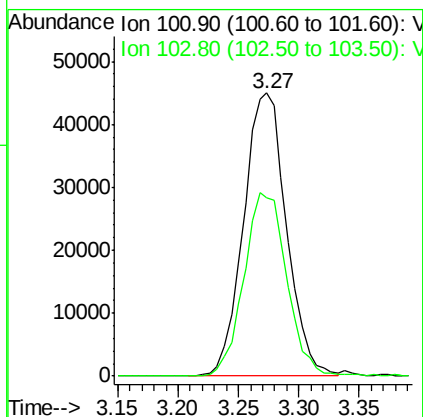
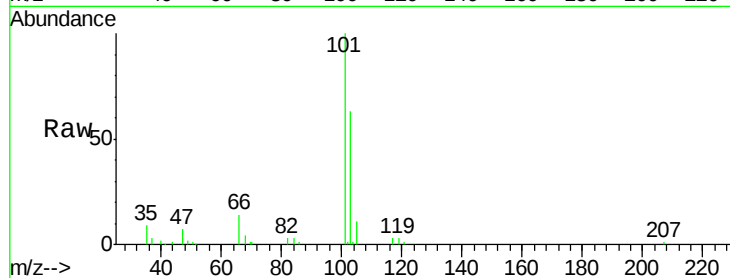
Trichlorofluoromethane
Concen: 21.436 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	53.1	79.7

Manual Integrations
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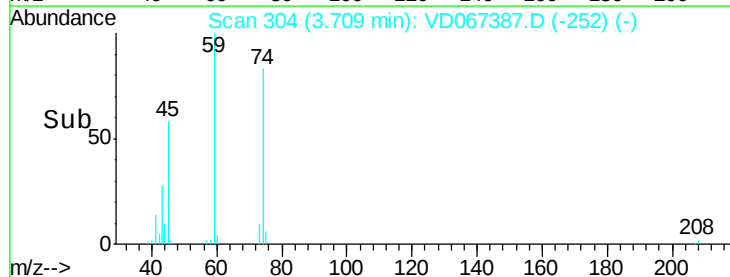
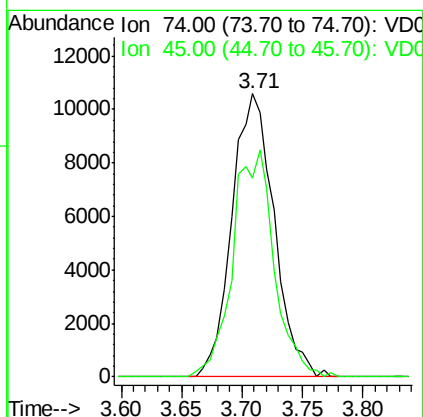
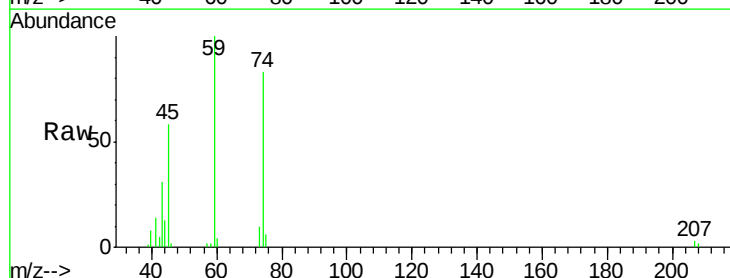
MMDadoda
10/27/2020 11:45:52 AM

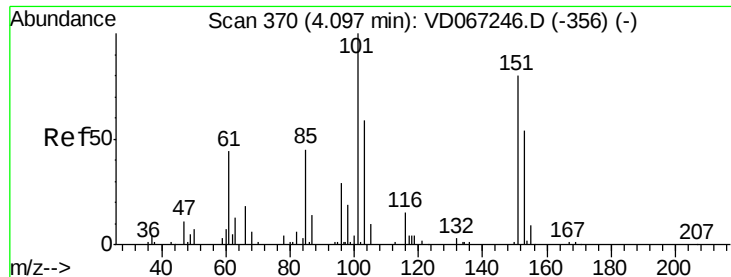


#8

Diethyl Ether
Concen: 21.629 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.6	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.034 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

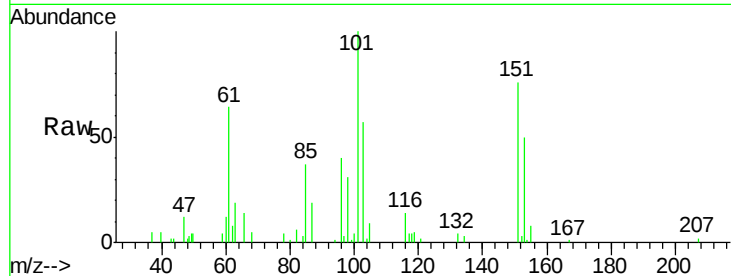
ClientSampleId :

VD1026SBS01

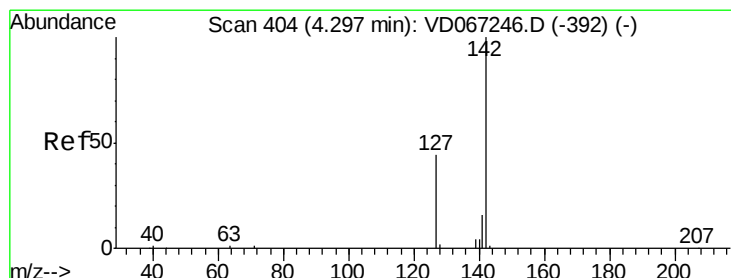
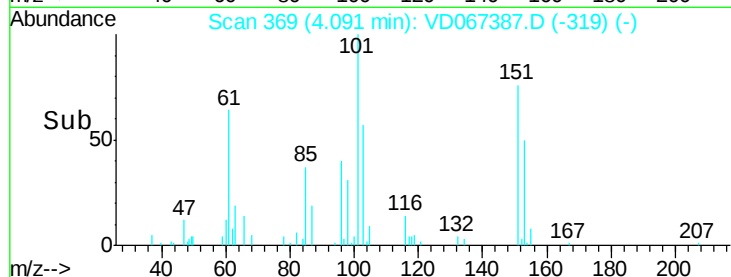
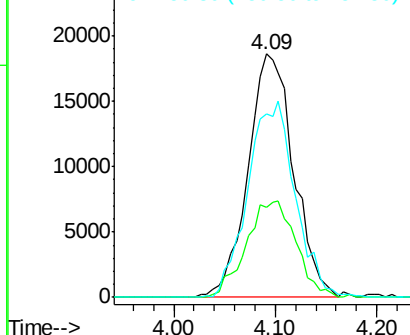
Tot Ion:	101	Resp:	58129
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.4
151	84.0	66.3	99.5

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.954 ug/l

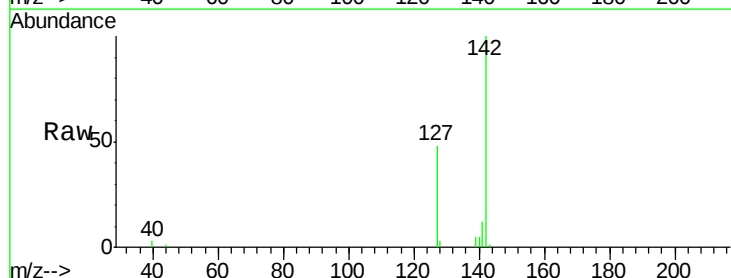
RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

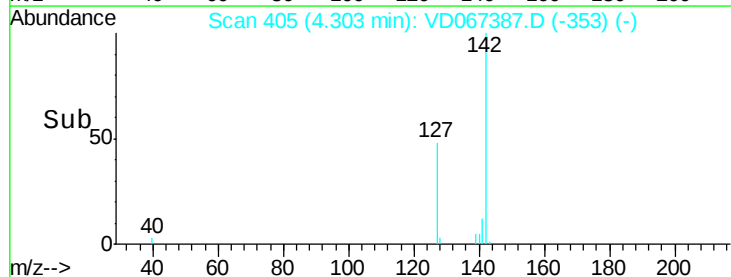
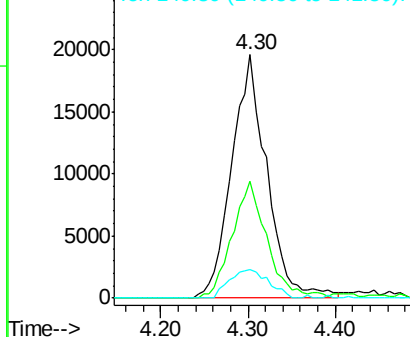
Lab File: VD067387.D

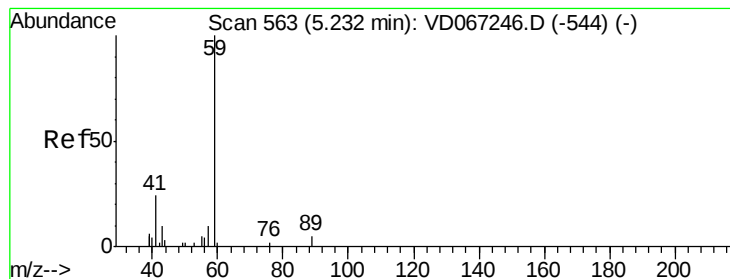
Acq: 26 Oct 2020 12:50

Tgt Ion:	142	Resp:	53419
Ion Ratio	Lower	Upper	
142	100		
127	46.6	38.4	57.6
141	13.0	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

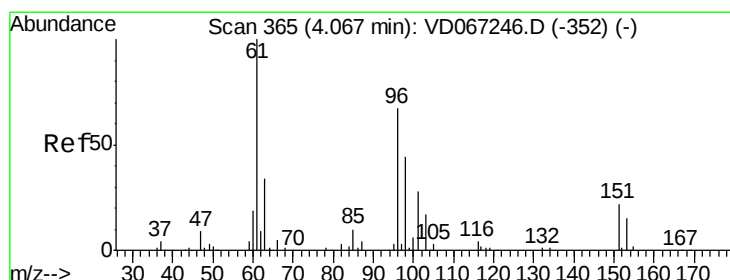
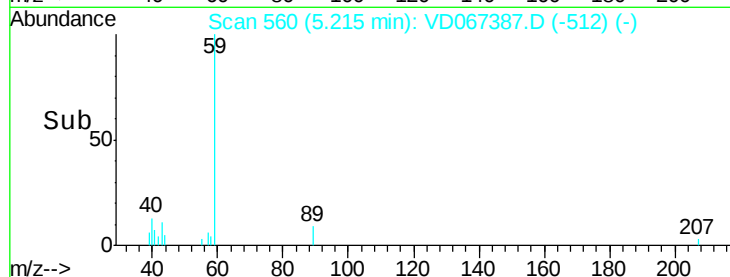
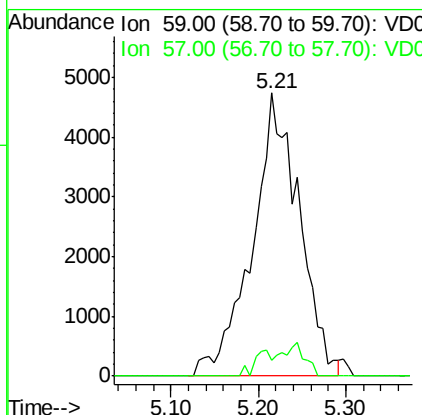
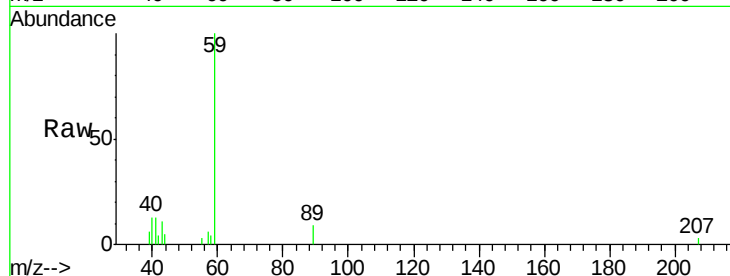
Tert butyl alcohol
 Concen: 81.839 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.02 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion: 59 Resp: 17531
 Ion Ratio Lower Upper
 59 100
 57 3.3 5.1 7.7#

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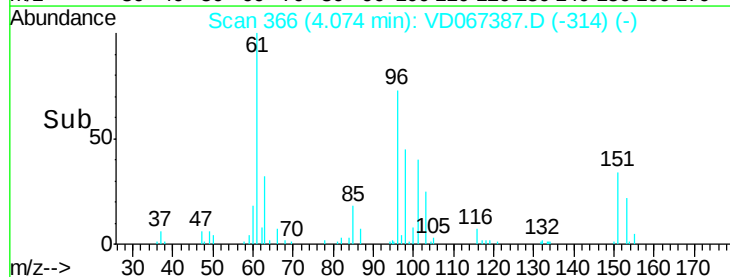
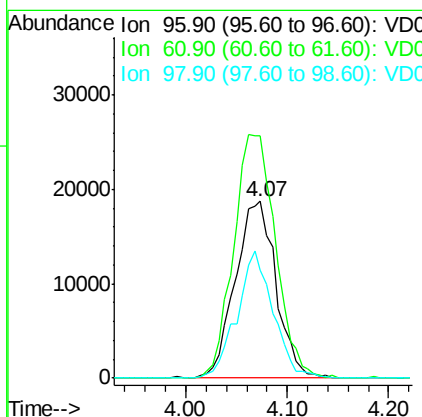
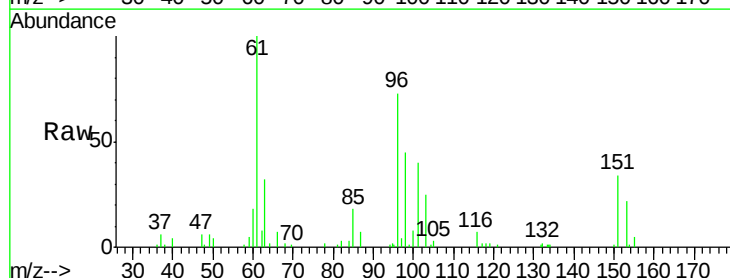
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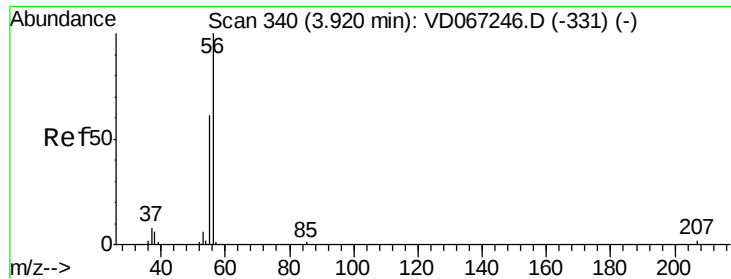


#12

1,1-Dichloroethene
 Concen: 21.167 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Tgt Ion: 96 Resp: 52261
 Ion Ratio Lower Upper
 96 100
 61 136.8 118.6 177.8
 98 60.9 51.8 77.6





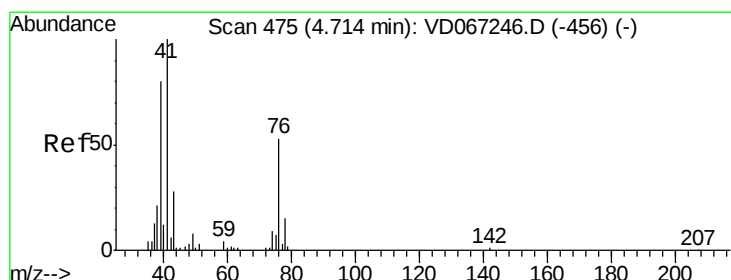
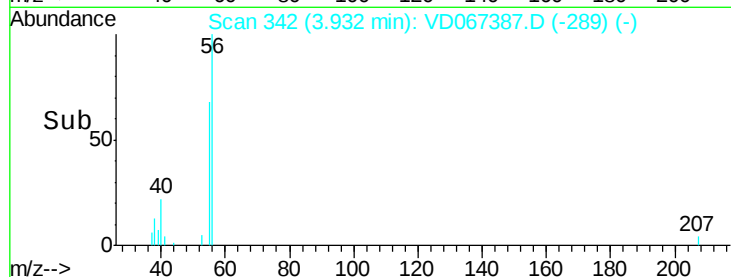
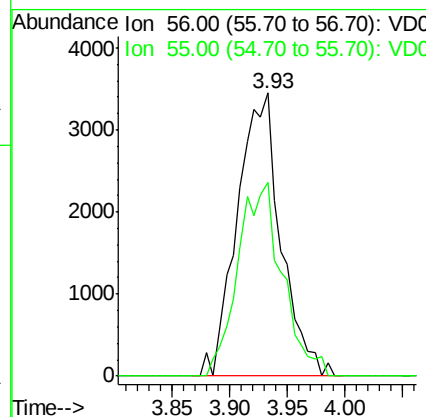
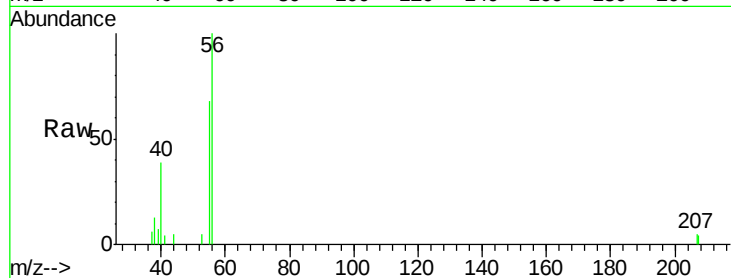
#13
Acrolein
Concen: 67.653 ug/l
RT: 3.93 min Scan# 342
Delta R.T. 0.01 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.6	56.0	84.0

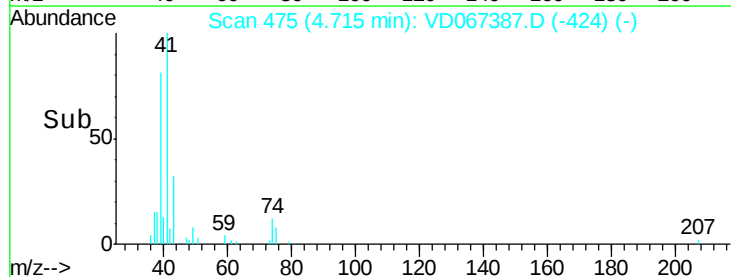
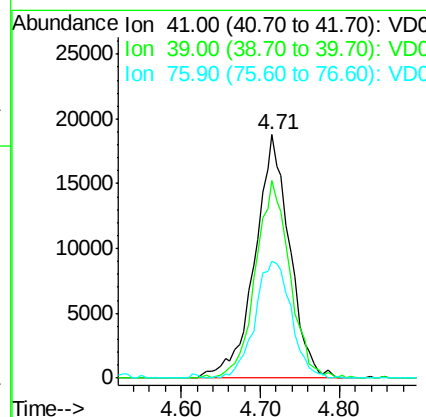
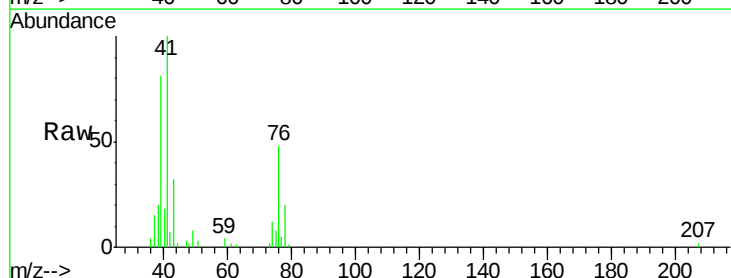
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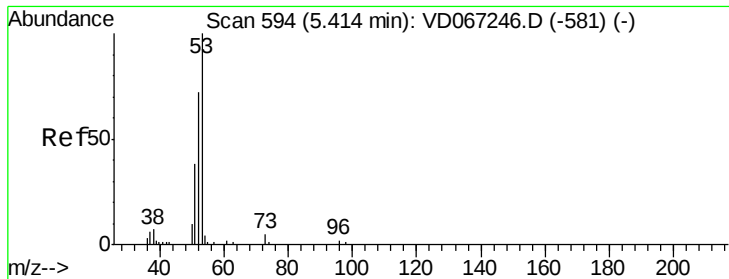
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#14
Allyl chloride
Concen: 20.269 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
41	100		
39	79.8	63.8	95.6
76	49.7	40.4	60.6





#15

Acrylonitrile

Concen: 111.229 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

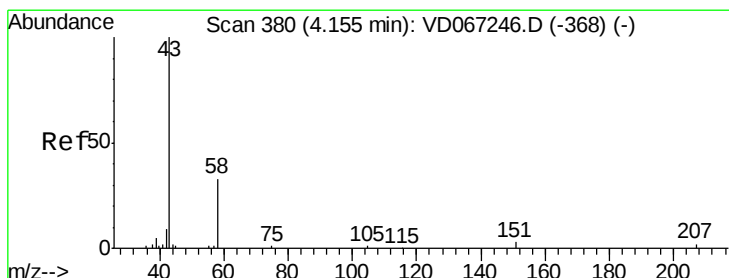
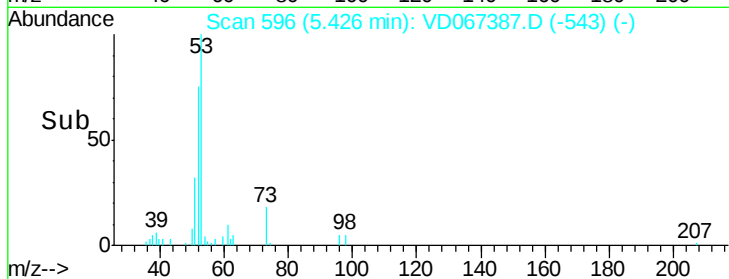
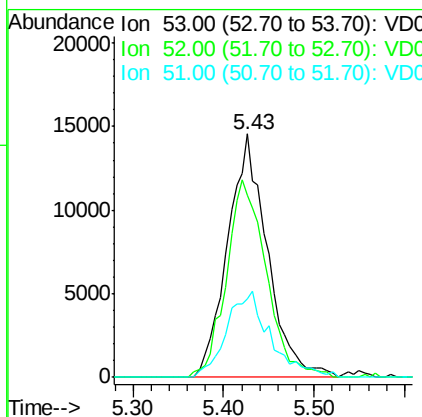
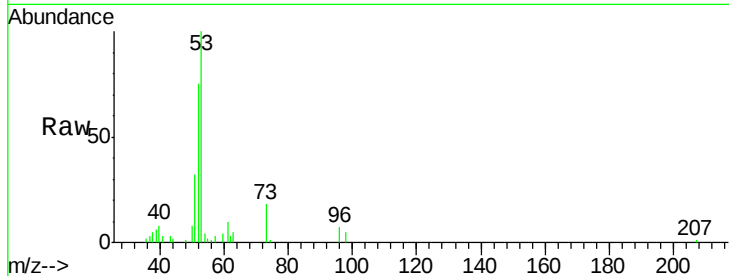
ClientSampleID :

VD1026SBS01

Tot Ion:	53	Resp:	44176
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.6	98.4
51	39.1	30.8	46.2

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#16

Acetone

Concen: 107.092 ug/l

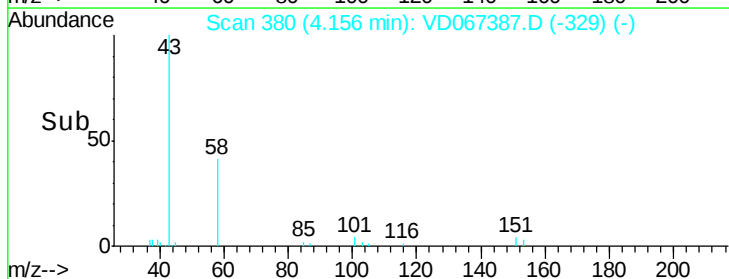
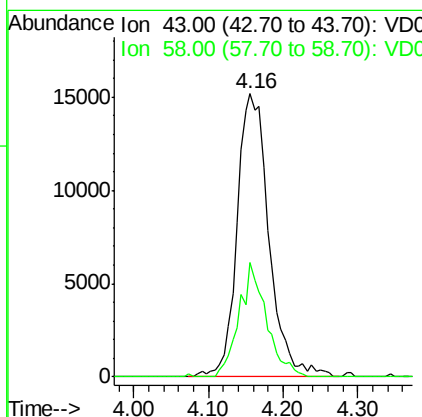
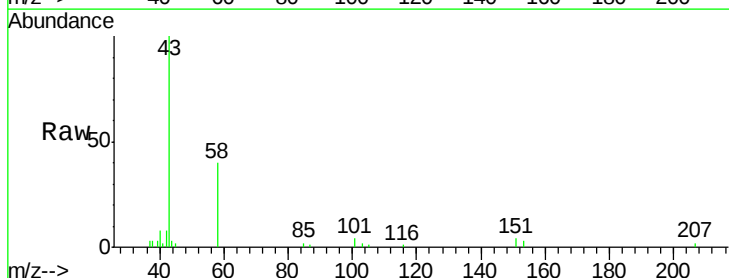
RT: 4.16 min Scan# 380

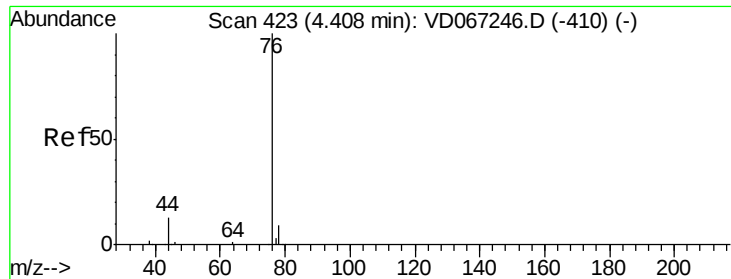
Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Tgt Ion:	43	Resp:	44950
Ion	Ratio	Lower	Upper
43	100		
58	40.2	26.1	39.1#





#17

Carbon Disulfide

Concen: 19.297 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBSD01

Tot Ion: 76 Resp: 135821

Ion Ratio Lower Upper

76 100

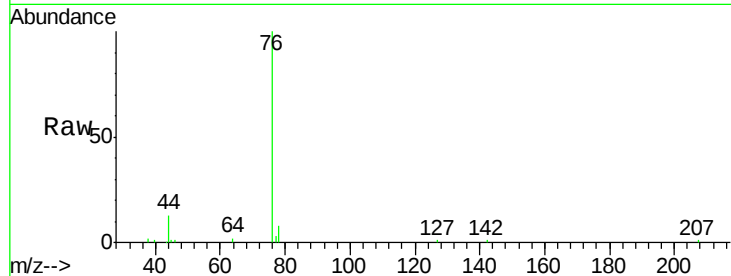
78 7.7 7.4 11.0

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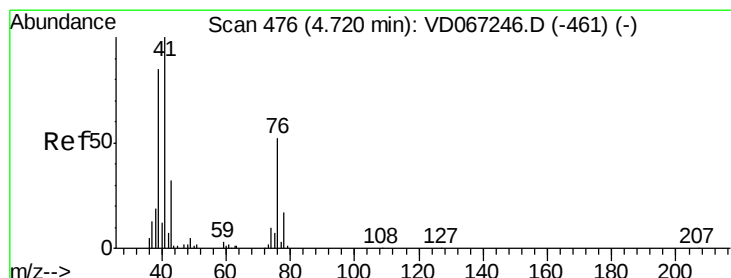
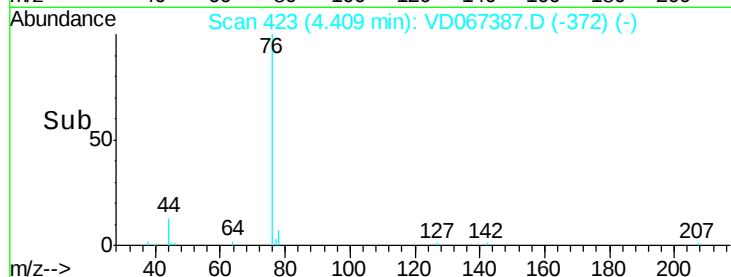
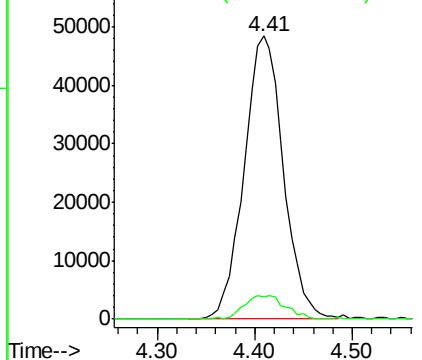
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 22.112 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067387.D

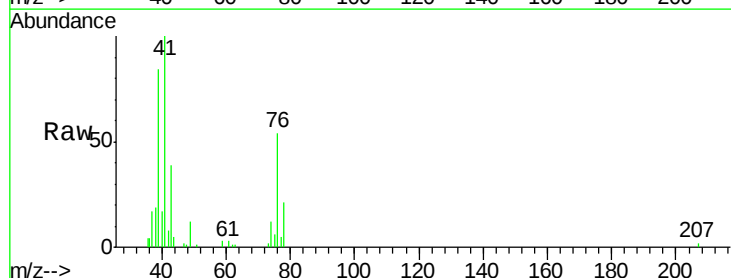
Acq: 26 Oct 2020 12:50

Tgt Ion: 43 Resp: 21169

Ion Ratio Lower Upper

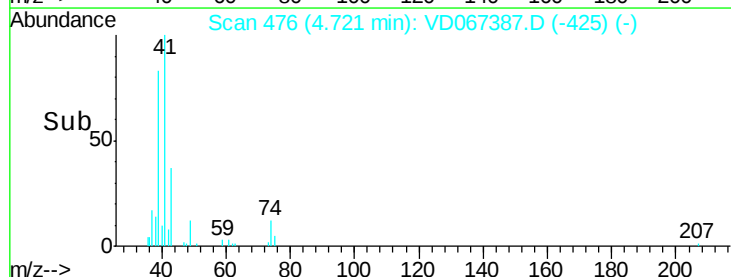
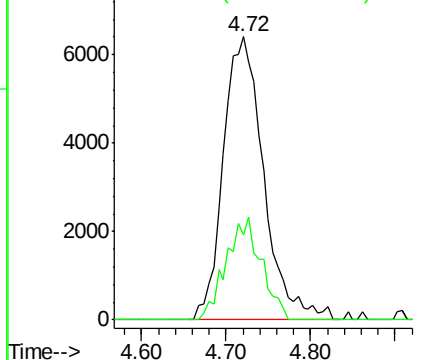
43 100

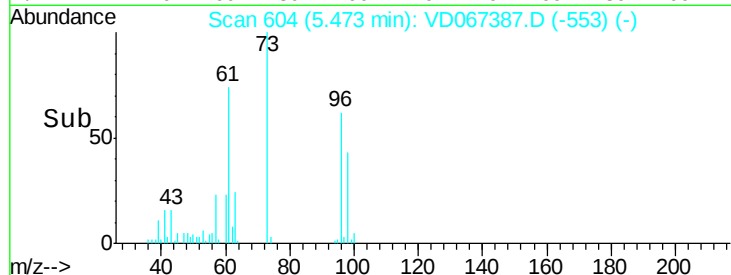
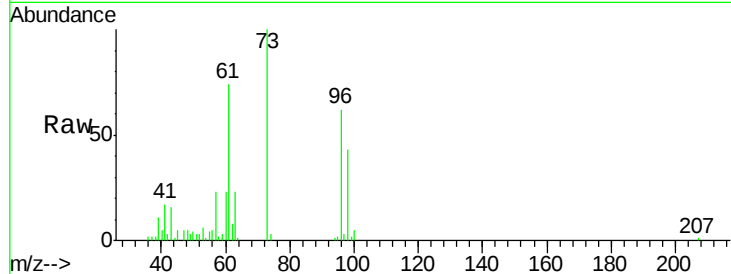
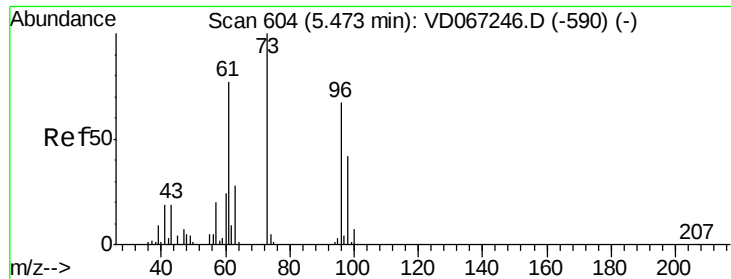
74 31.5 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





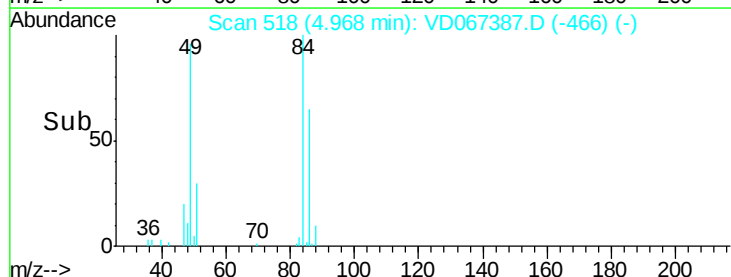
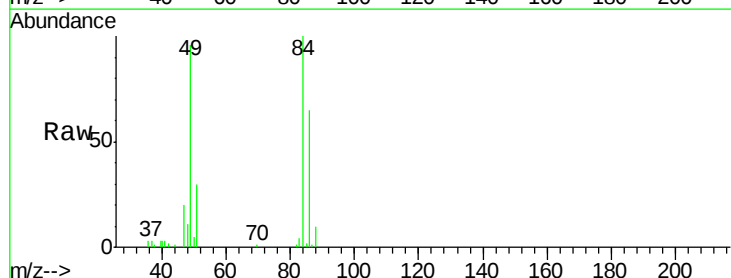
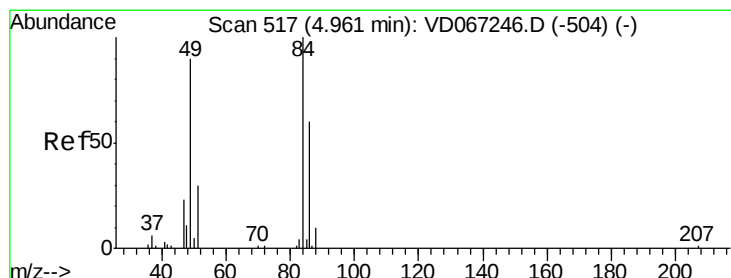
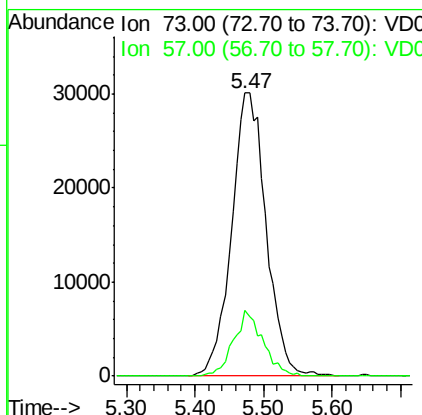
#19
Methyl tert-butyl Ether
Concen: 21.414 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tot Ion: 73 Resp: 105125
Ion Ratio Lower Upper
73 100
57 23.1 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

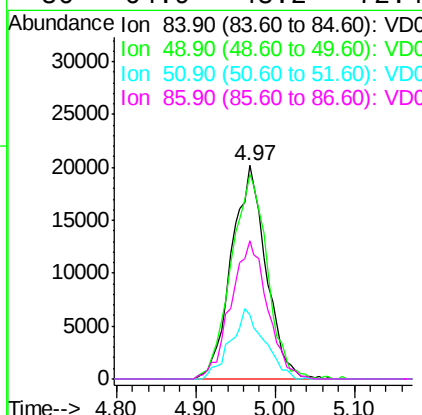
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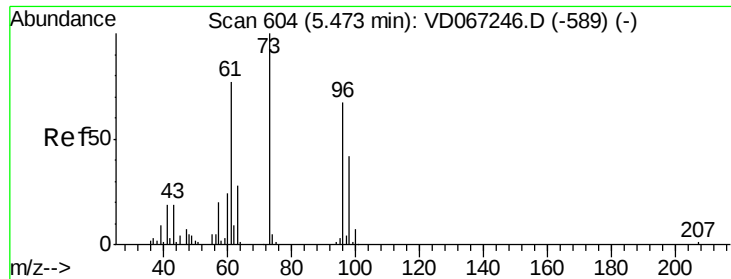
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#20
Methylene Chloride
Concen: 19.960 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion: 84 Resp: 60914
Ion Ratio Lower Upper
84 100
49 95.7 72.2 108.2
51 30.1 23.8 35.8
86 64.9 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.962 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

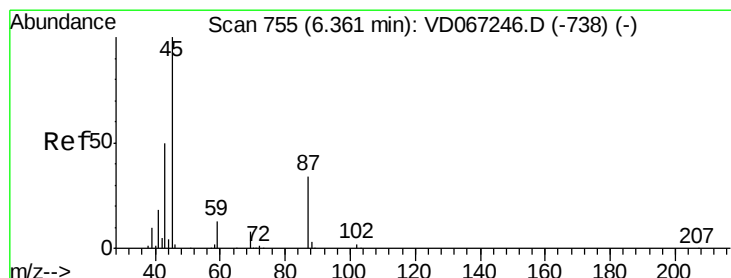
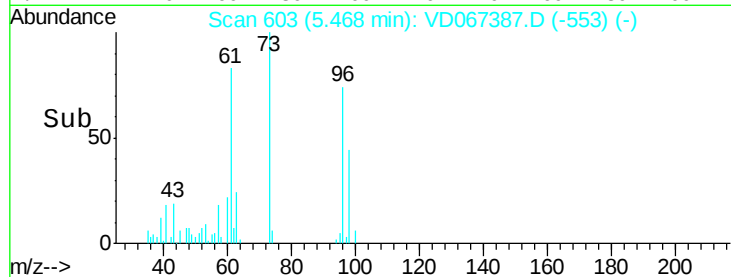
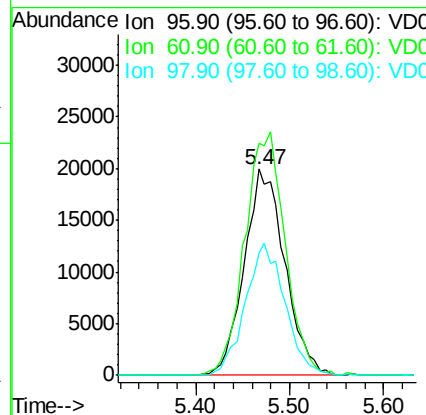
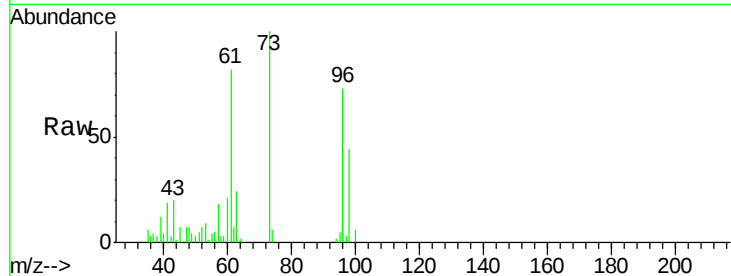
ClientSampleId :

VD1026SBS01

Tot Ion:	96	Resp:	59557
Ion	Ratio	Lower	Upper
96	100		
61	112.4	92.0	138.0
98	59.4	49.8	74.8

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#22

Diisopropyl ether

Concen: 22.000 ug/l

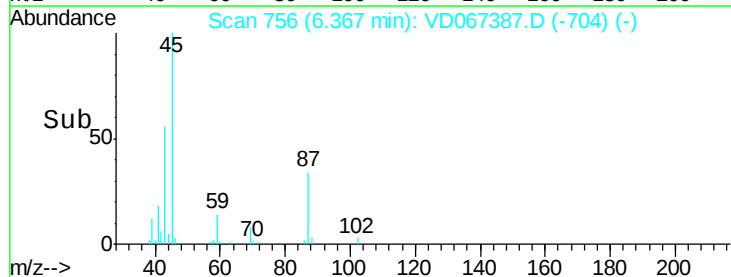
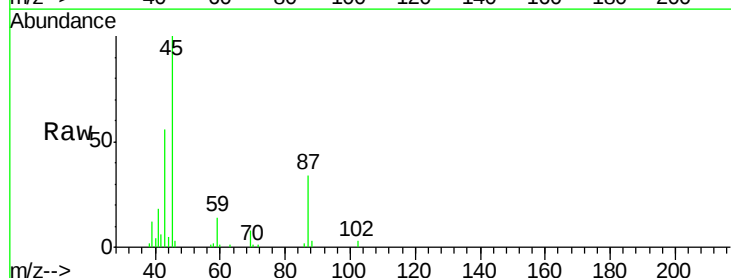
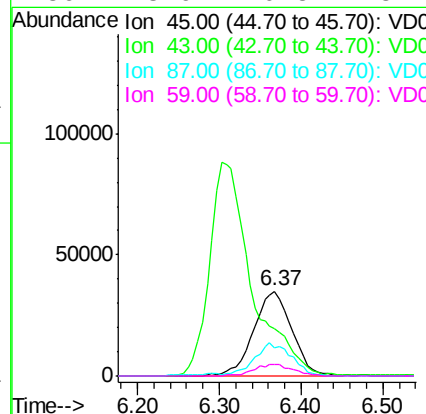
RT: 6.37 min Scan# 756

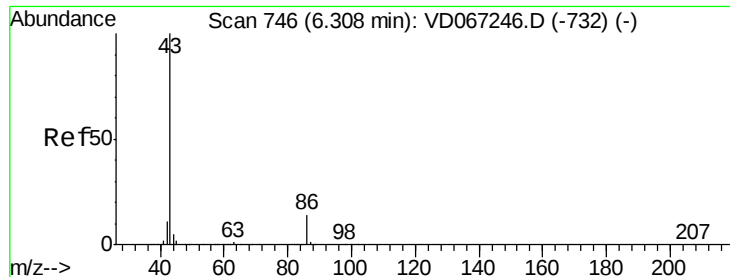
Delta R.T. 0.01 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Tgt Ion:	45	Resp:	113631
Ion	Ratio	Lower	Upper
45	100		
43	54.0	48.0	72.0
87	33.7	28.5	42.7
59	13.9	10.5	15.7





#23

Vinyl Acetate

Concen: 108.277 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleID :

VD1026SBS01

Tot Ion: 43 Resp: 318166

Ion Ratio Lower Upper

43 100

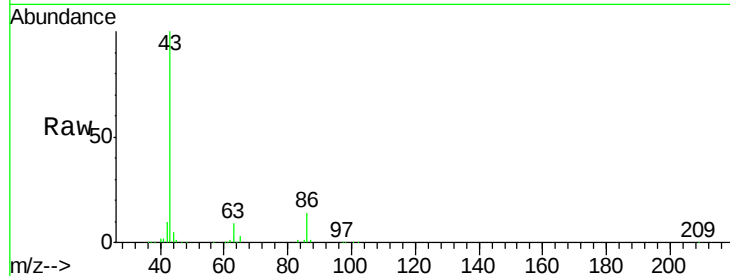
86 14.2 11.0 16.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

80000

60000

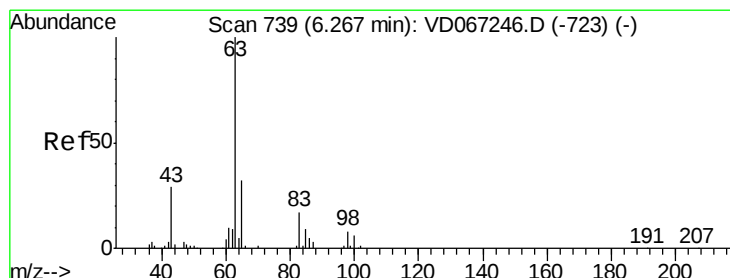
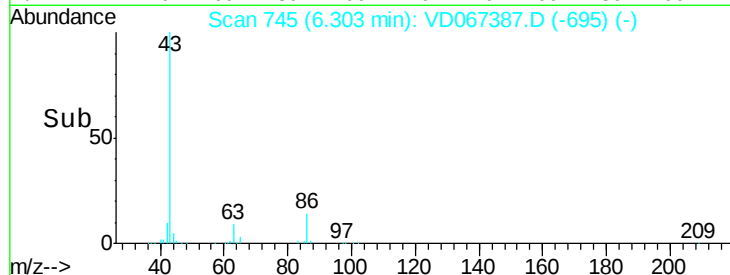
40000

20000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 21.436 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

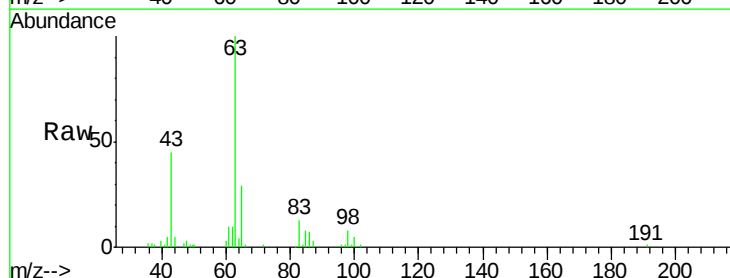
Tgt Ion: 63 Resp: 94775

Ion Ratio Lower Upper

63 100

98 8.1 4.0 12.2

100 4.6 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

6.27

40000

30000

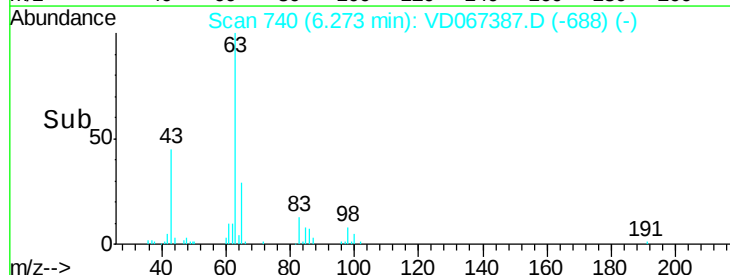
20000

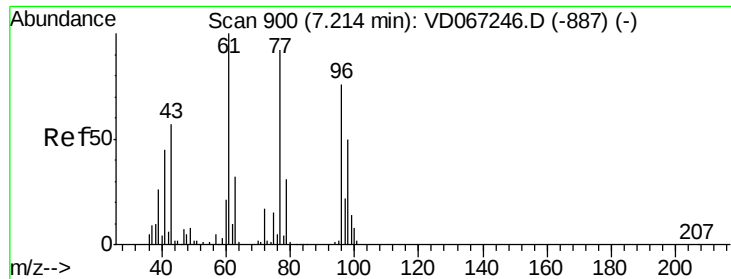
10000

0

6.20 6.30

Time-->





#25

2-Butanone

Concen: 108.090 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 43 Resp: 51716

Ion Ratio Lower Upper

43 100

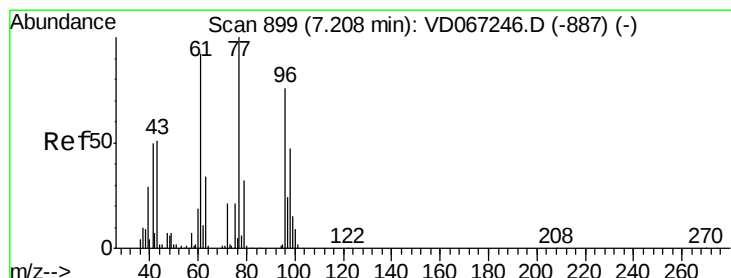
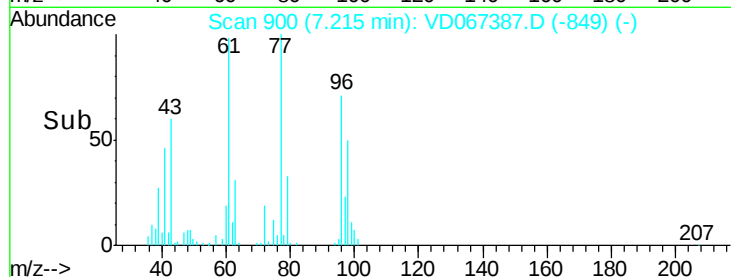
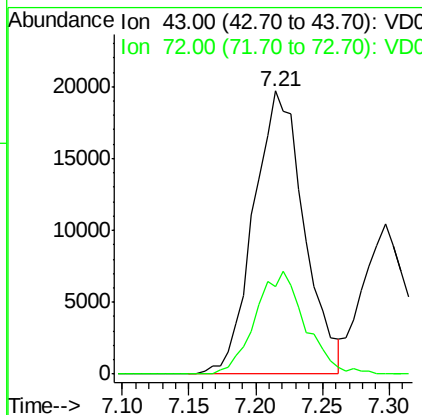
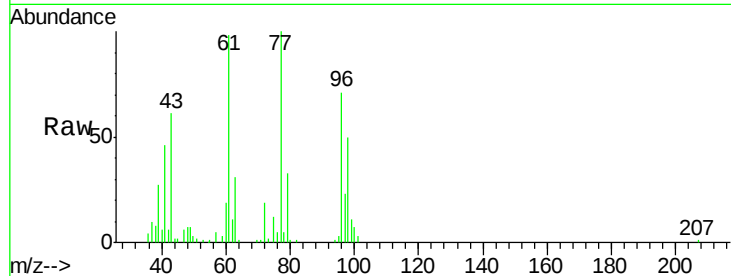
72 31.1 23.7 35.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.778 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067387.D

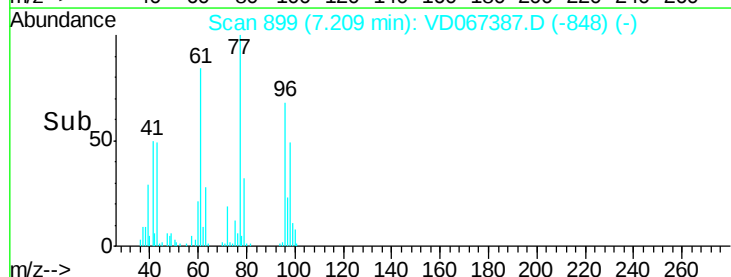
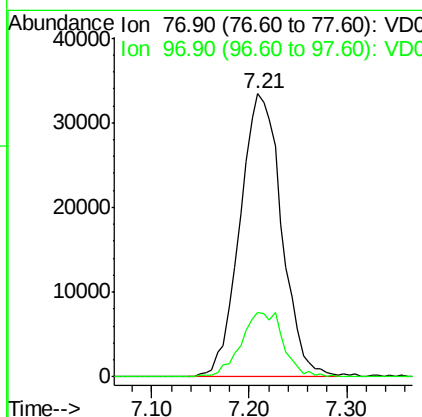
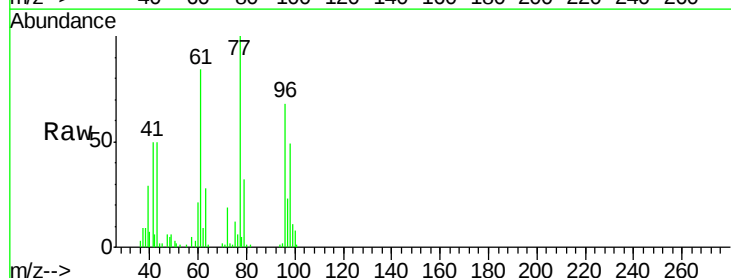
Acq: 26 Oct 2020 12:50

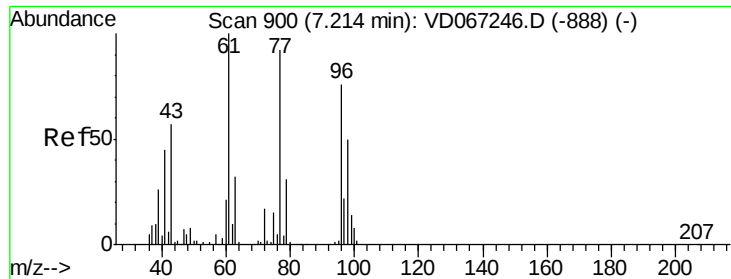
Tgt Ion: 77 Resp: 99244

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.2





#27

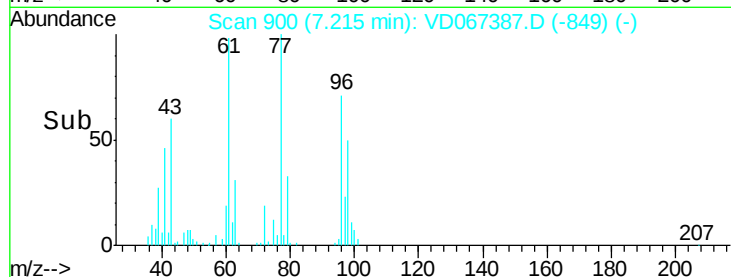
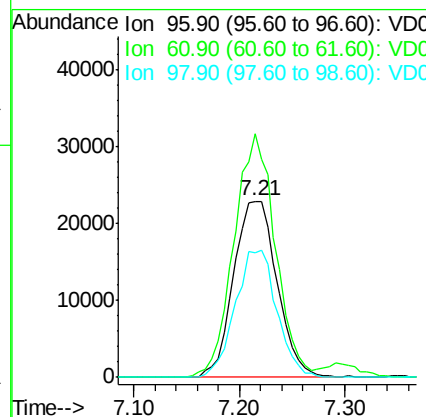
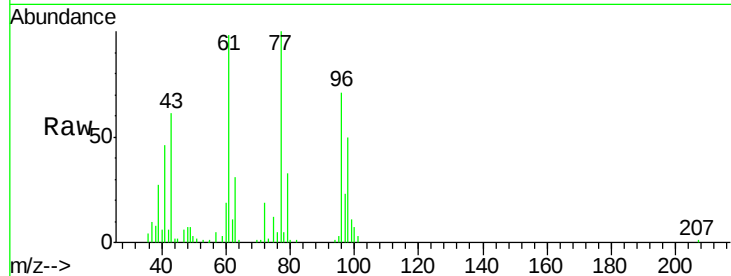
cis-1,2-Dichloroethene
 Concen: 21.006 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.9	0.0	255.4
98	69.0	0.0	128.0

Manual Integrations
 APPROVED

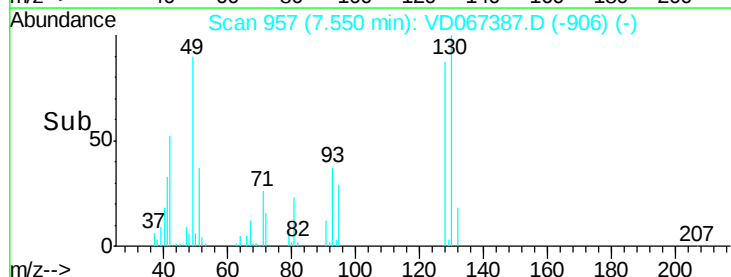
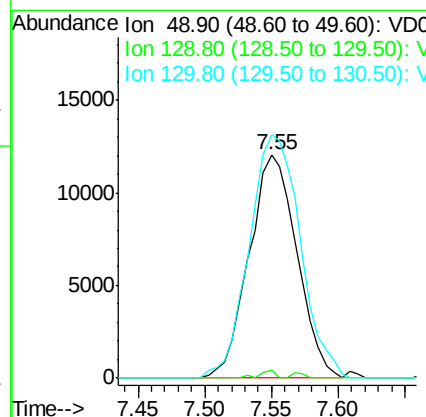
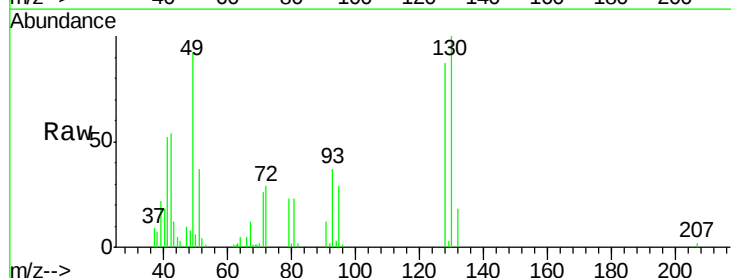
MMDadoda
 10/27/2020 11:45:52 AM

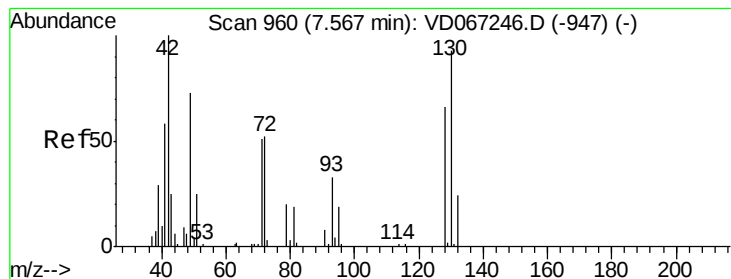


#28

Bromochloromethane
 Concen: 19.858 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.6
130	116.3	91.0	136.6





#29

Tetrahydrofuran

Concen: 111.072 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

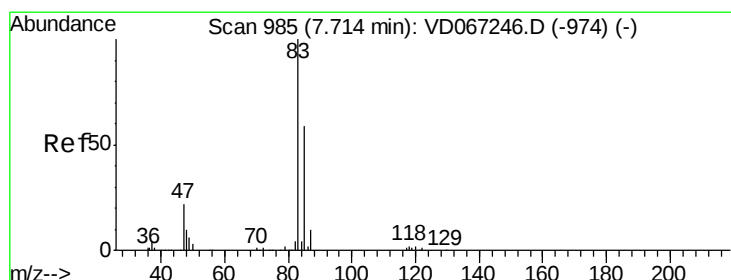
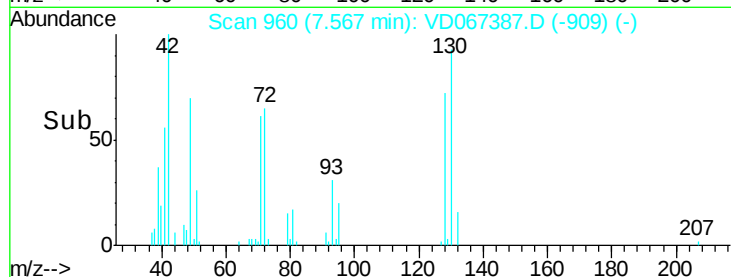
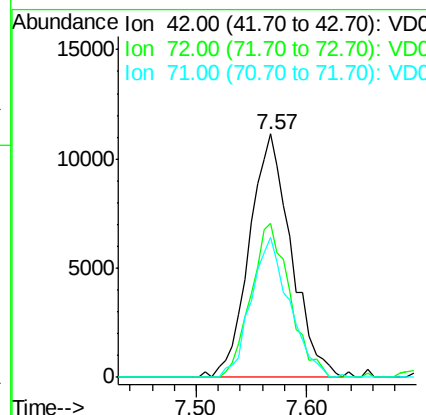
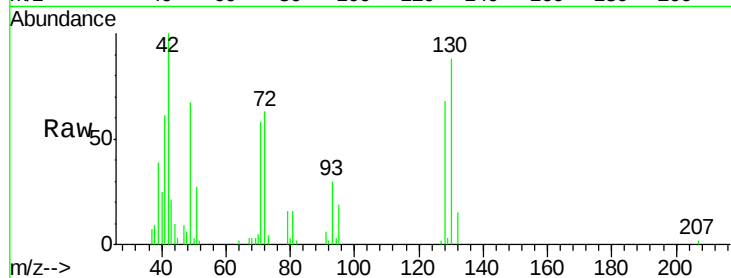
ClientSampleId :

VD1026SBS01

Tot Ion:	42	Resp:	29541
Ion	Ratio	Lower	Upper
42	100		
72	58.8	43.2	64.8
71	52.5	39.4	59.0

Manual Integrations
APPROVED

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10/27/2020 11:45:52 AM



#30

Chloroform

Concen: 21.746 ug/l

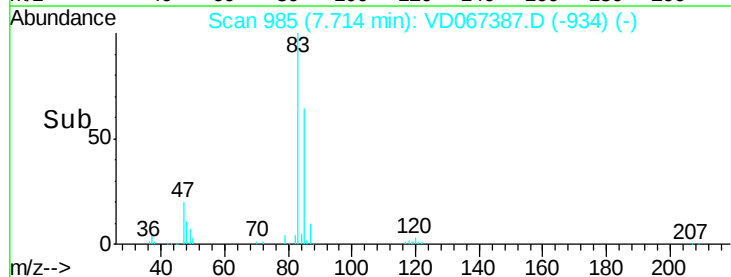
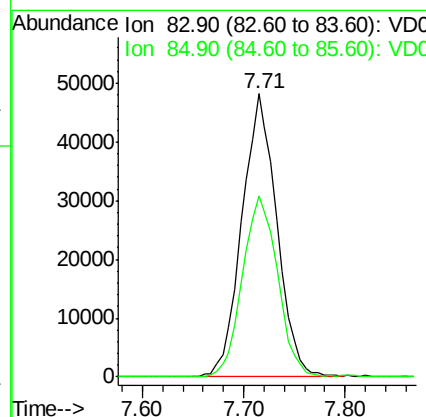
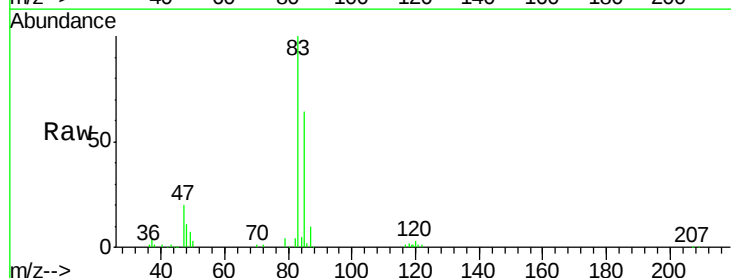
RT: 7.71 min Scan# 985

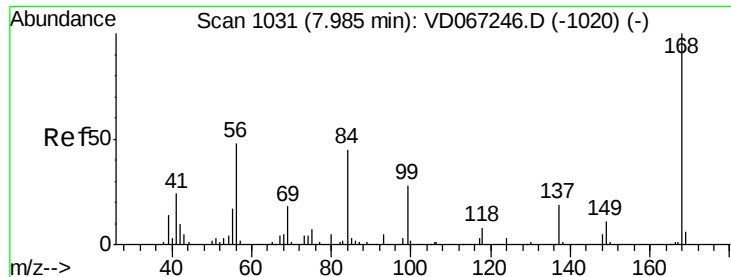
Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Tgt Ion:	83	Resp:	114853
Ion	Ratio	Lower	Upper
83	100		
85	63.8	47.3	70.9





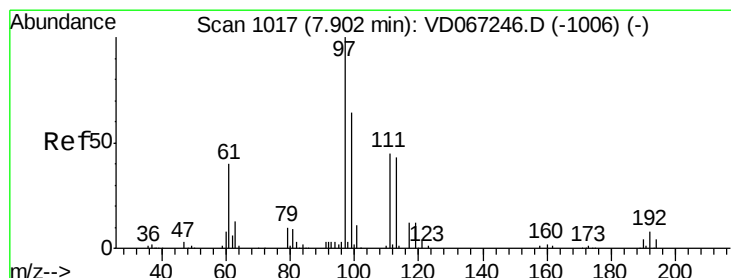
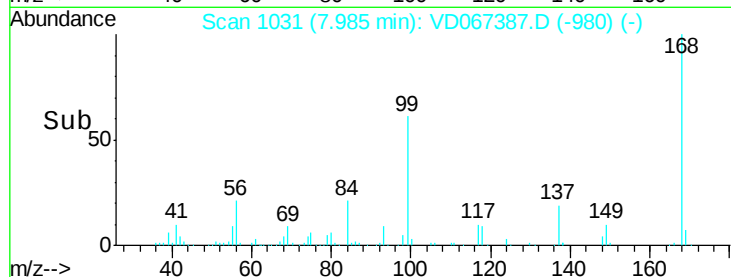
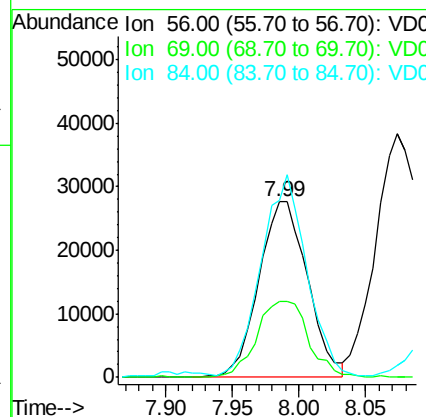
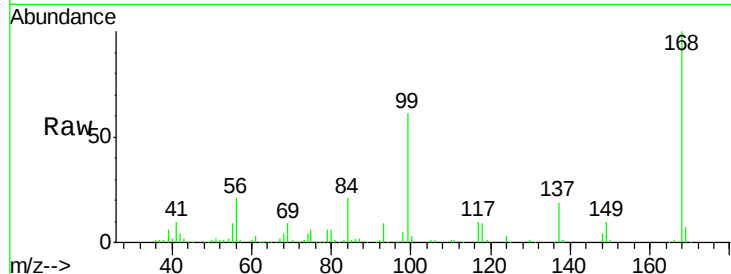
#31
Cyclohexane
Concen: 20.276 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.4	29.8	44.6
84	98.3	76.6	114.8

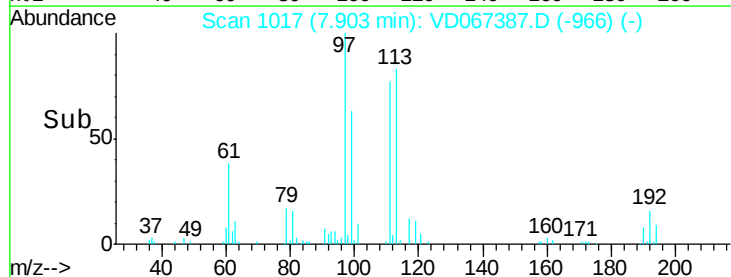
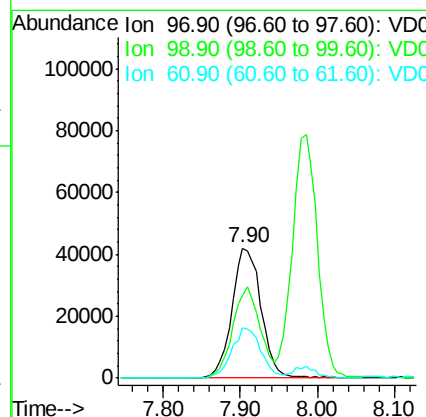
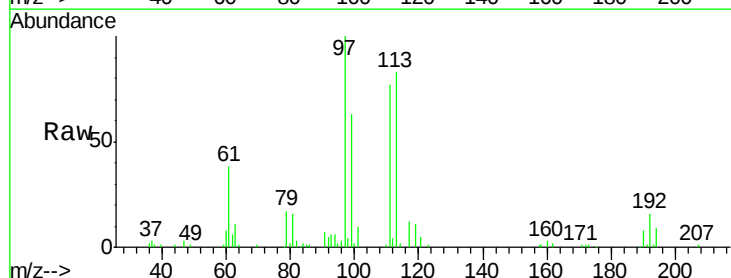
Manual Integrations
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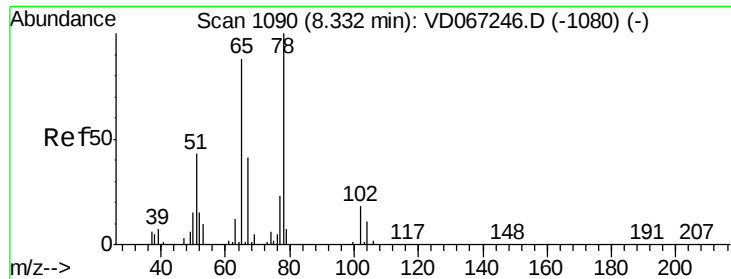
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.443 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	50.2	75.4
61	38.5	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 50.651 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 65 Resp: 151802

Ion Ratio Lower Upper

65 100

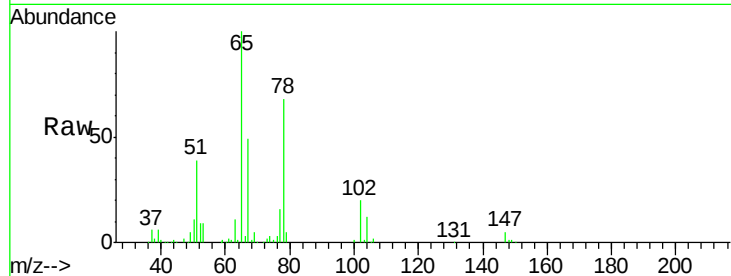
67 50.4 0.0 103.8

Manual Integrations

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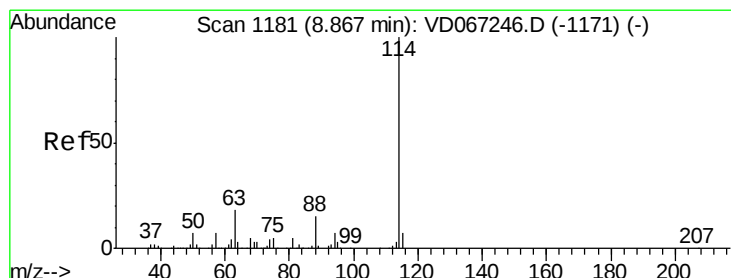
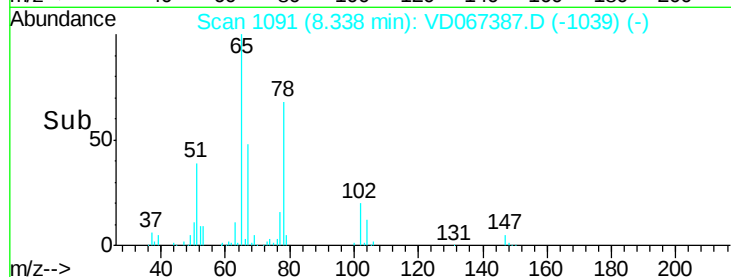
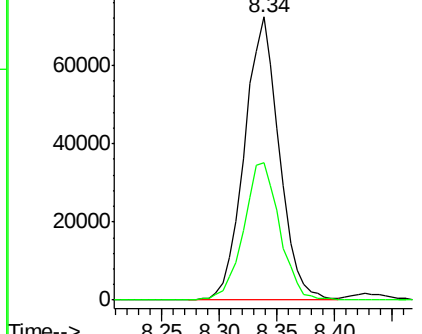
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

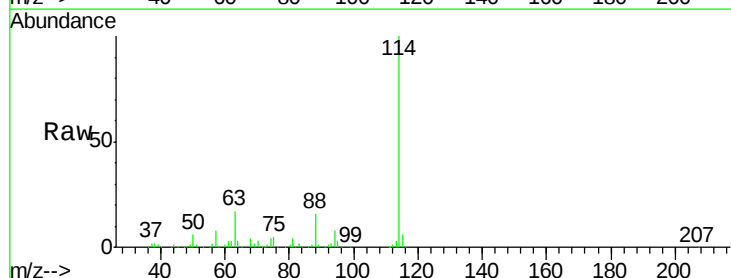
Tgt Ion: 114 Resp: 457722

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

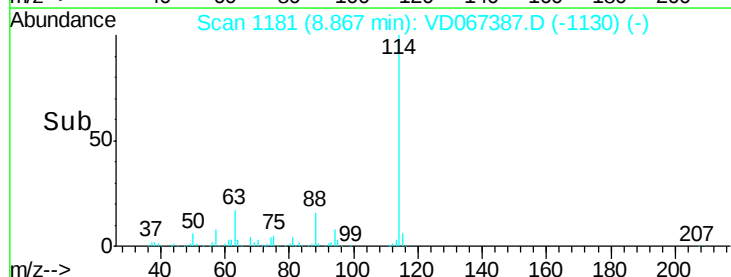
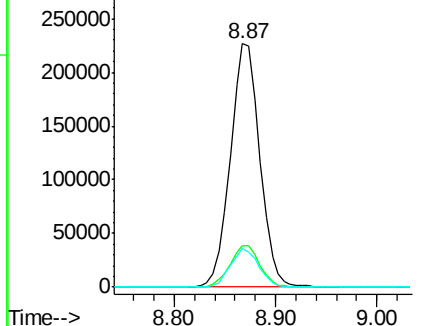
88 15.8 0.0 30.6

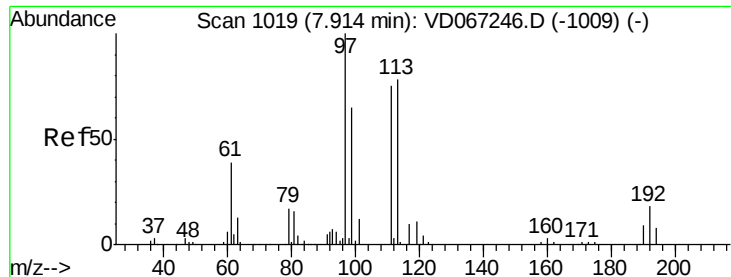


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





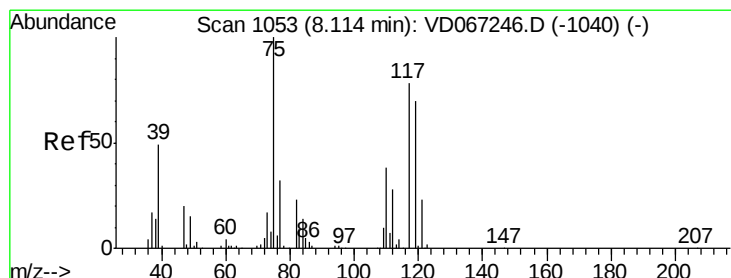
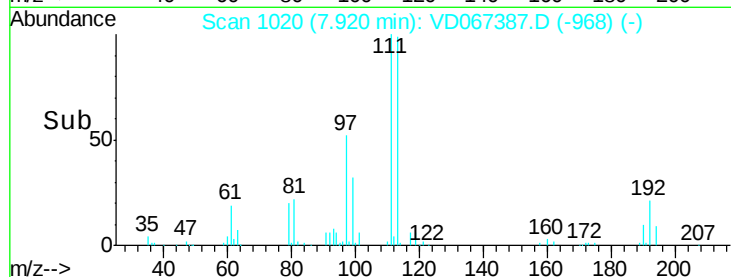
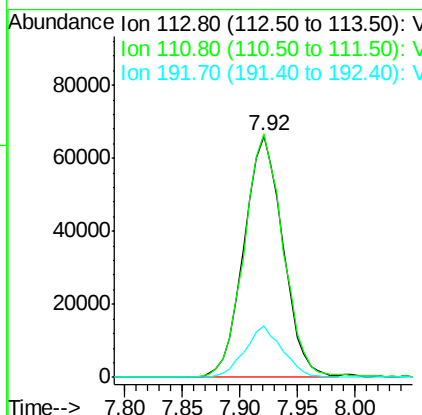
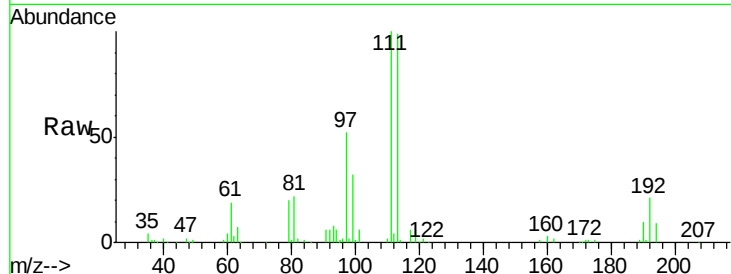
#35
 Dibromofluoromethane
 Concen: 51.101 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	155660		
111	101.0	81.6	122.4	
192	20.5	17.0	25.4	

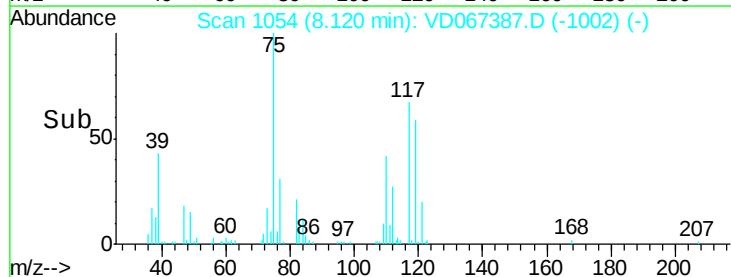
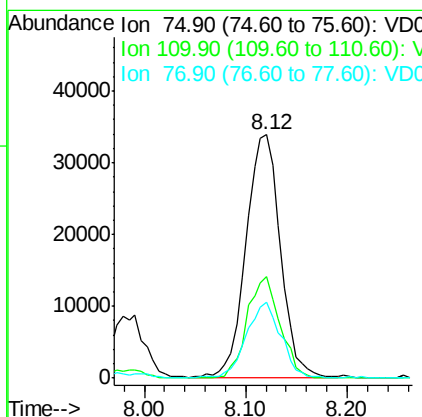
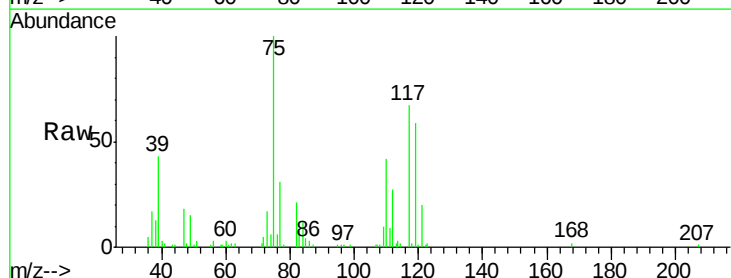
Manual Integrations
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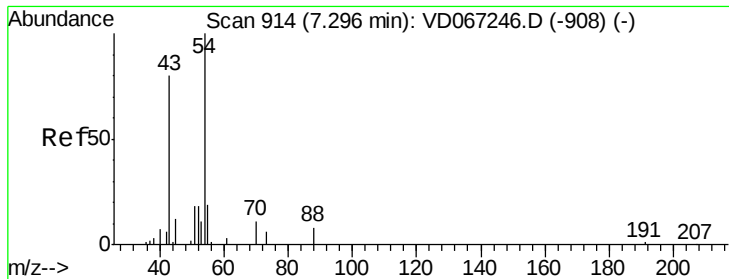
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.680 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80230		
110	39.7	19.6	58.7	
77	31.1	24.6	37.0	





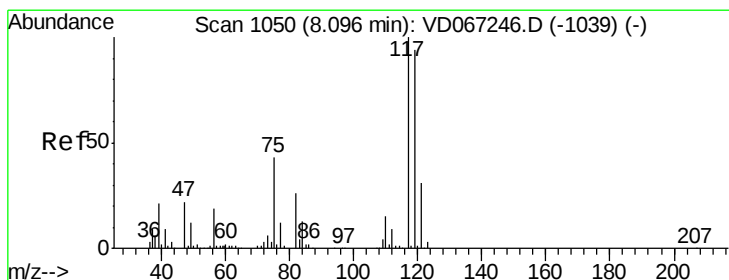
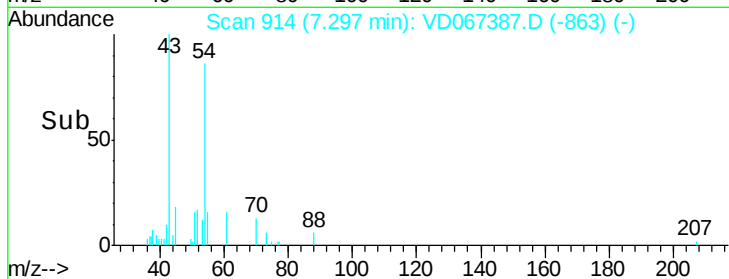
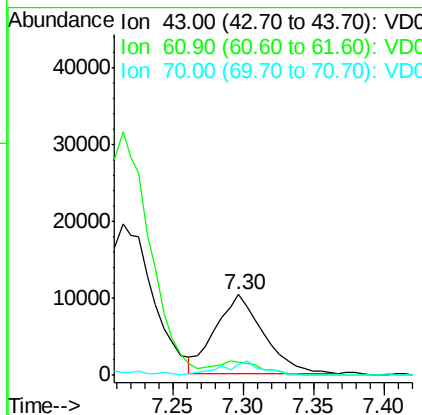
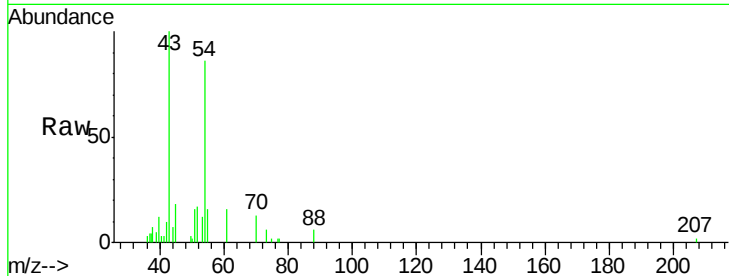
#37
Ethyl Acetate
Concen: 21.341 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.9	15.6	23.4
70	14.8	10.4	15.6

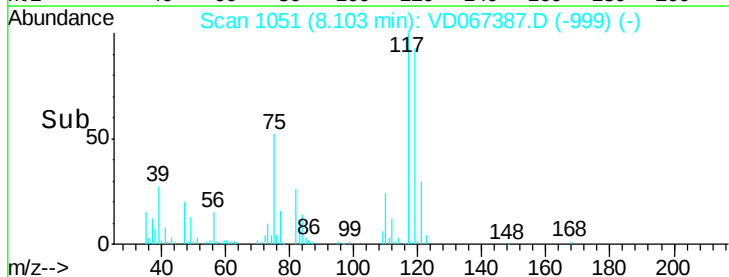
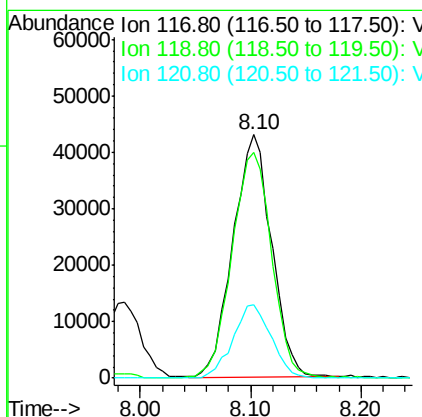
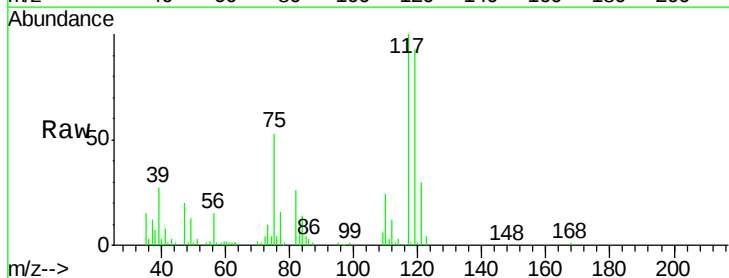
Manual Integrations
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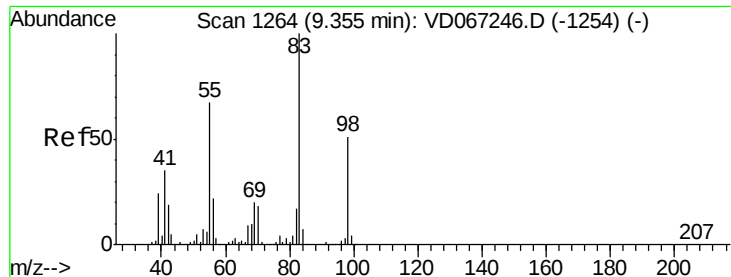
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.304 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	75.0	112.4
121	30.1	24.9	37.3





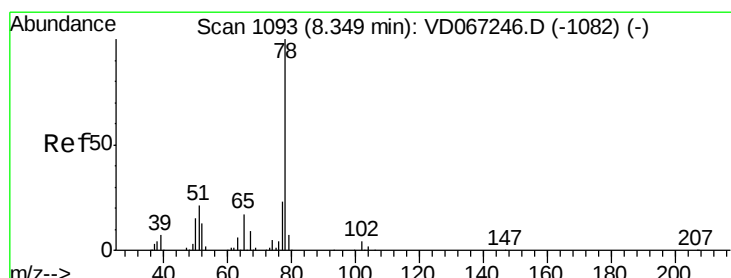
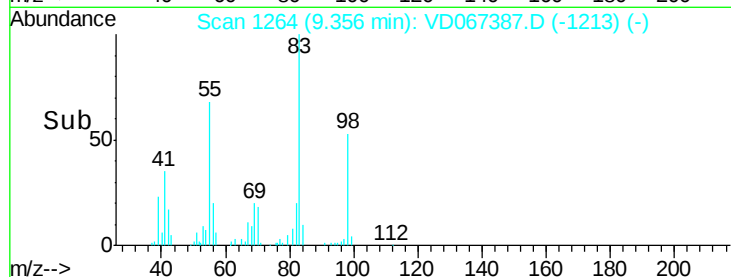
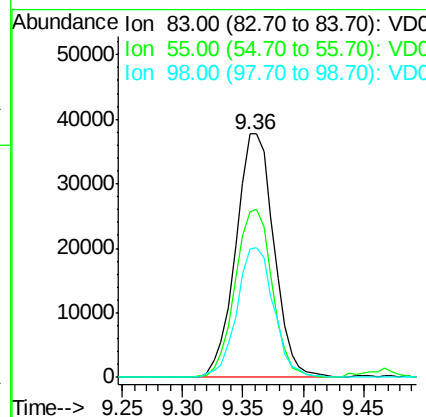
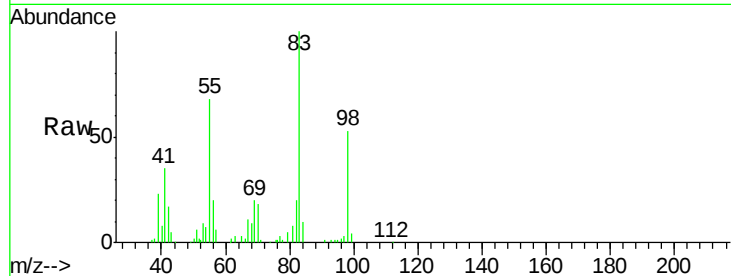
#39
Methvlcvclohexane
Concen: 20.540 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.8	53.3	79.9
98	52.5	41.0	61.4

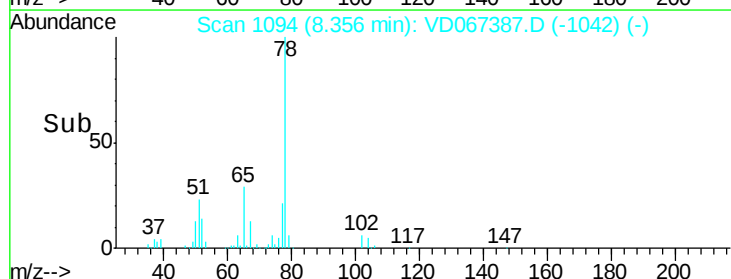
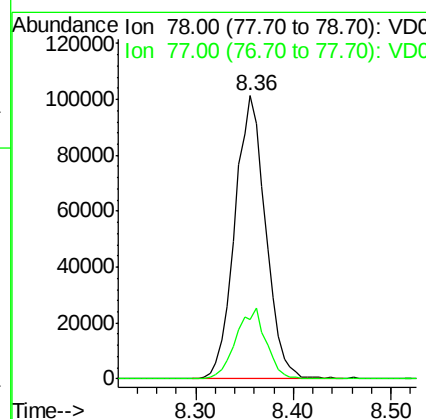
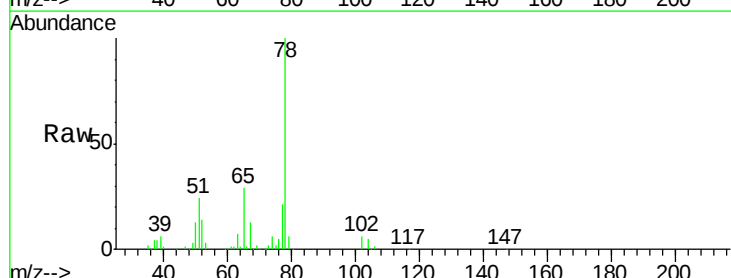
Manual Integrations
APPROVED

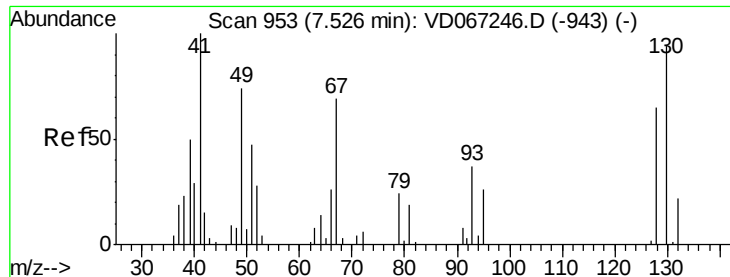
MMDadoda
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#40
Benzene
Concen: 20.975 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.8	18.3	27.5





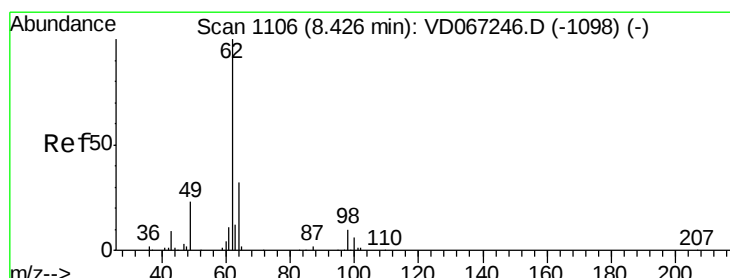
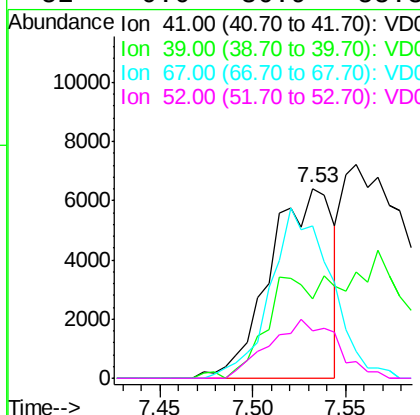
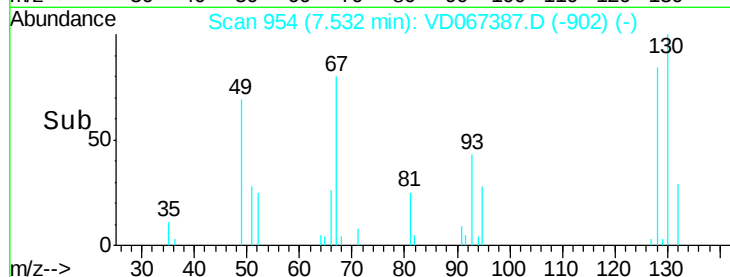
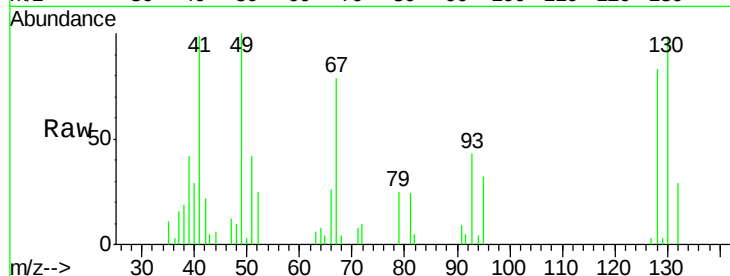
#41
Methacrylonitrile
Concen: 24.509 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.5	60.0	90.0#
67	0.0	88.9	133.3#
52	0.0	36.9	55.3#

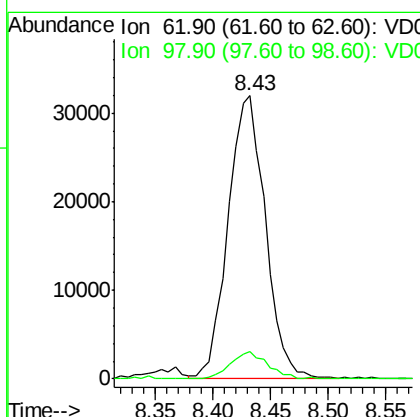
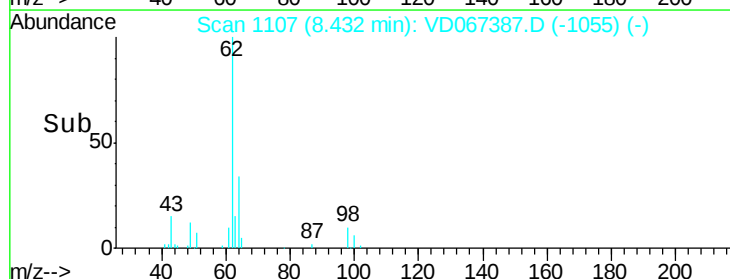
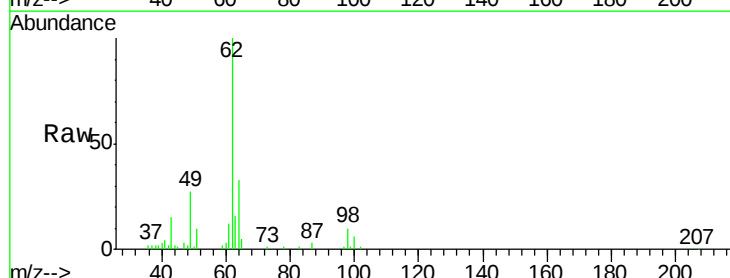
Manual Integrations
APPROVED

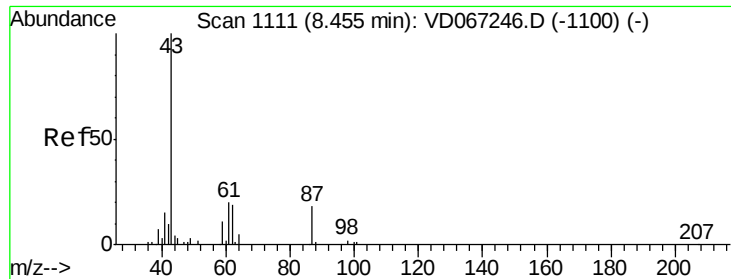
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#42
1,2-Dichloroethane
Concen: 21.505 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4





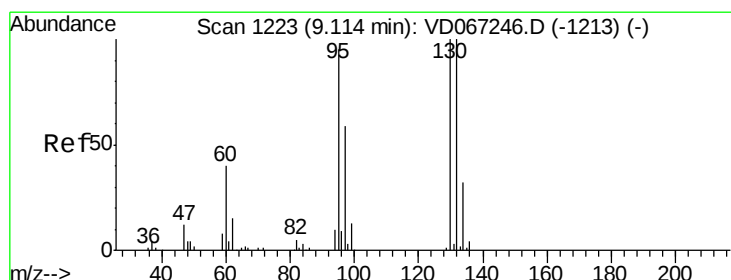
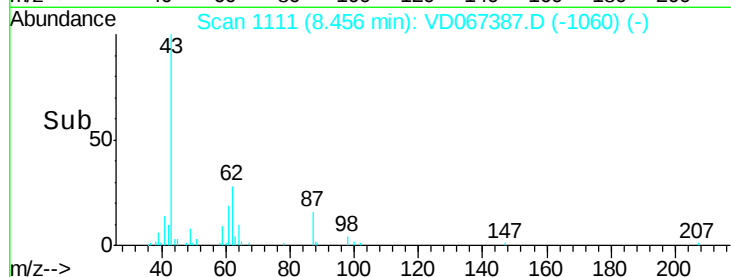
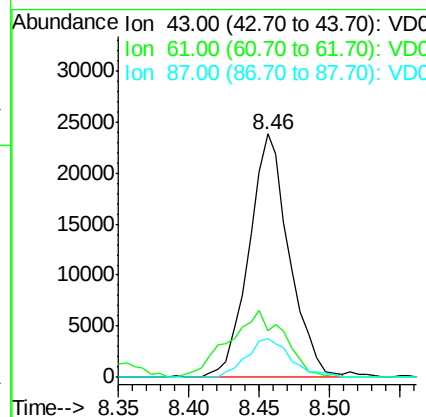
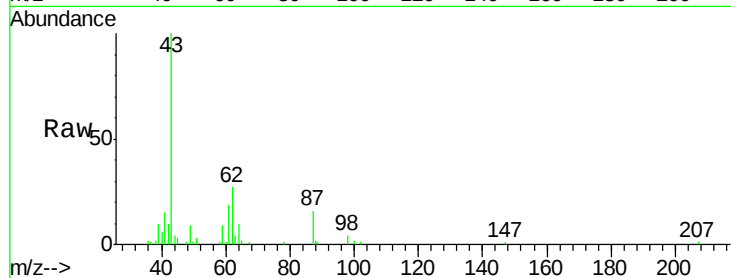
#43
Isopropyl Acetate
Concen: 20.997 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	38.1	29.5	44.3
87	17.7	14.2	21.4

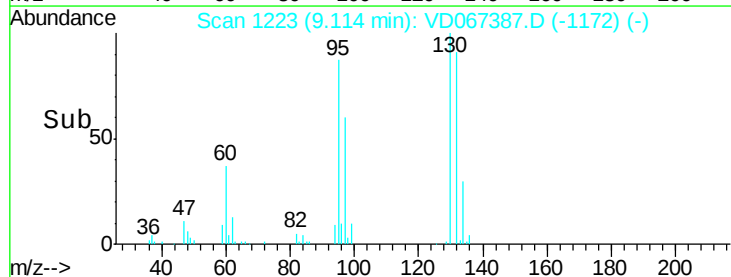
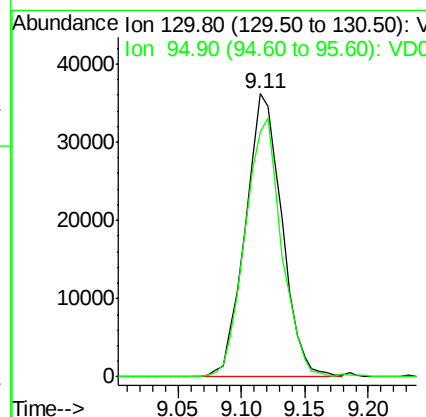
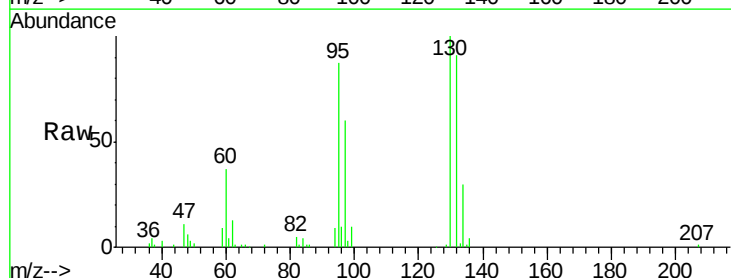
Manual Integrations
APPROVED

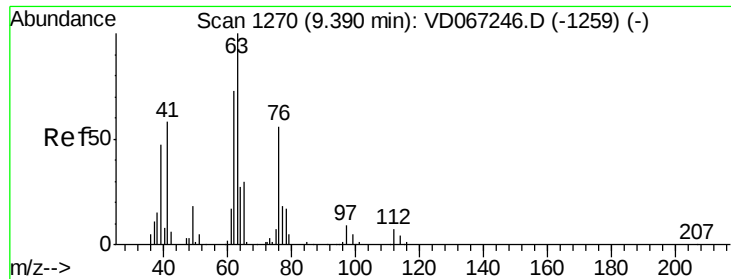
MMDadoda
10/27/2020 11:45:52 AM



#44
Trichloroethene
Concen: 21.344 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.7	0.0	190.6





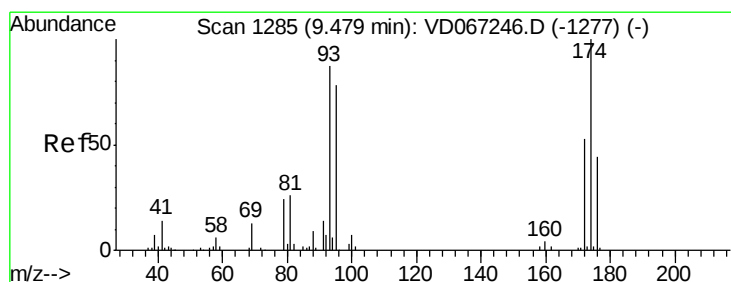
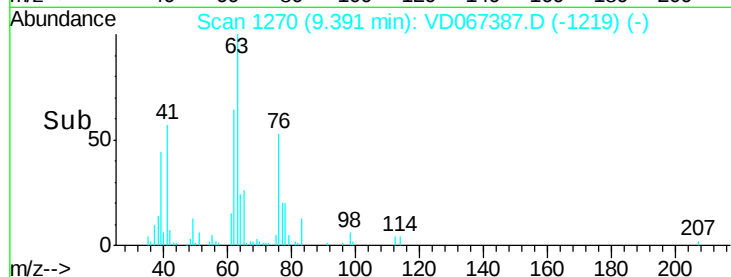
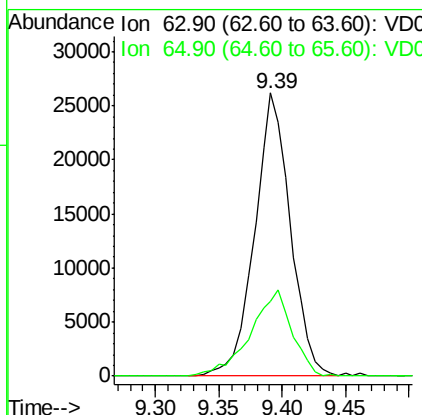
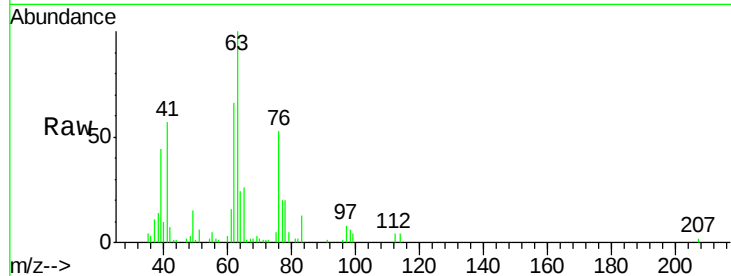
#45
 1,2-Dichloropropane
 Concen: 20.777 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBSD01

Tot Ion: 63 Resp: 51248
 Ion Ratio Lower Upper
 63 100
 65 26.5 24.6 36.8

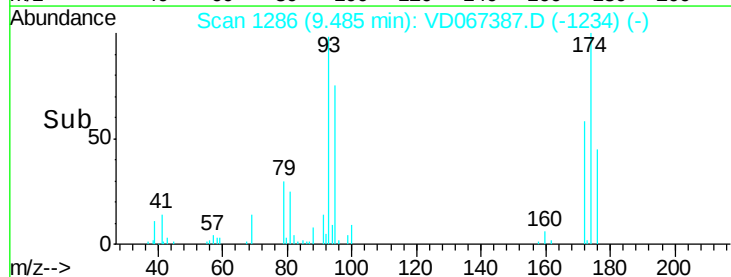
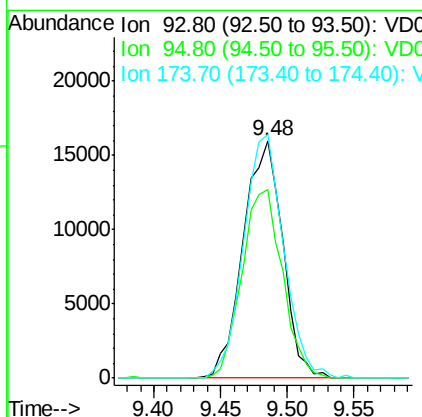
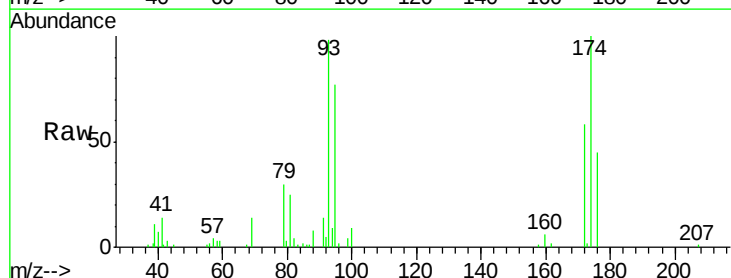
Manual Integrations
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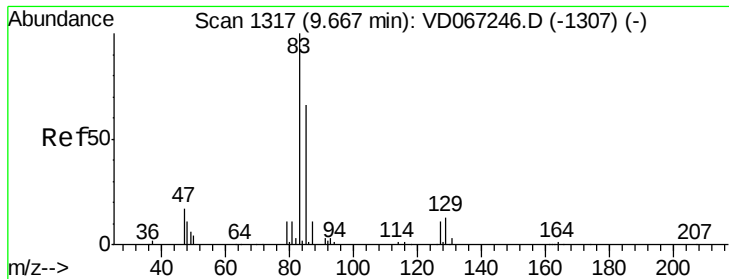
MMDadoda
 10/27/2020 11:45:52 AM



#46
 Dibromomethane
 Concen: 21.276 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Tgt Ion: 93 Resp: 32697
 Ion Ratio Lower Upper
 93 100
 95 81.2 68.0 102.0
 174 104.4 91.8 137.6





#47

Bromodichloromethane

Concen: 21.845 ug/l

RT: 9.67 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

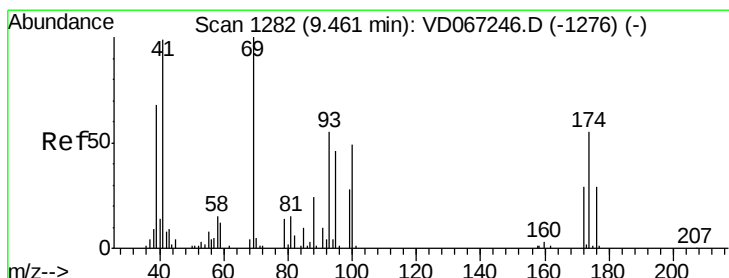
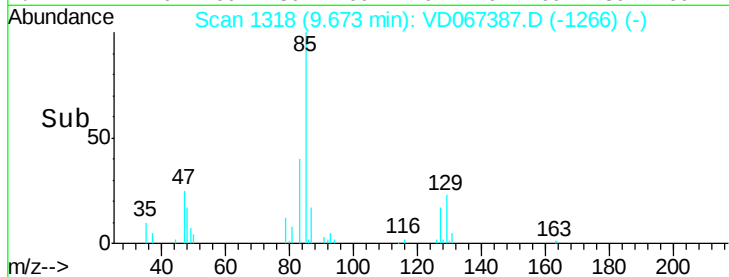
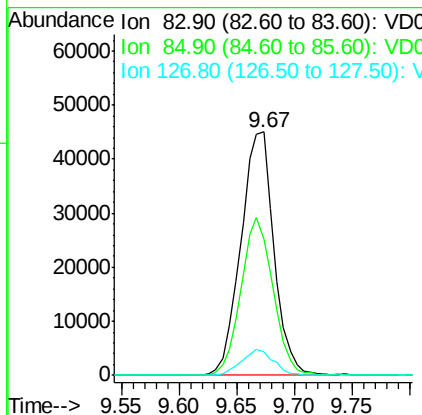
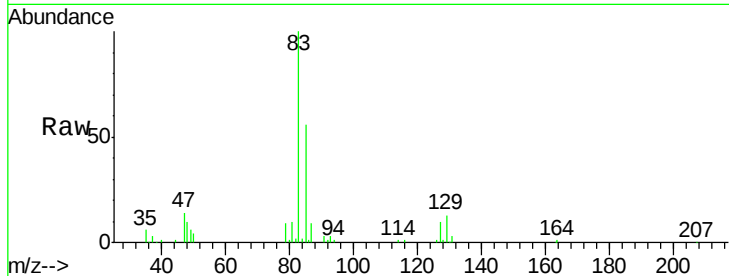
ClientSampleId :

VD1026SBS01

Tot Ion:	83	Resp:	89948
Ion	Ratio	Lower	Upper
83	100		
85	56.0	53.1	79.7
127	9.7	8.6	13.0

Manual Integrations
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MMDadoda
10/27/2020 11:45:52 AM



#48

Methyl methacrylate

Concen: 19.821 ug/l

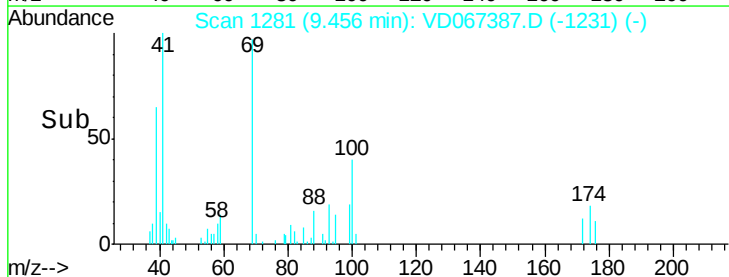
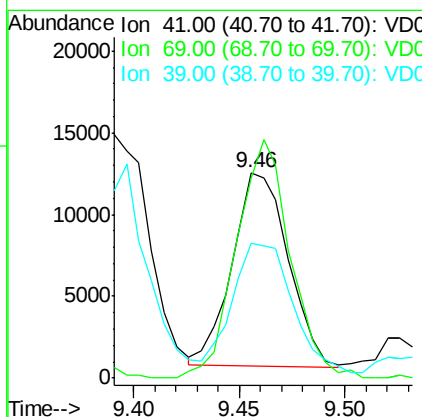
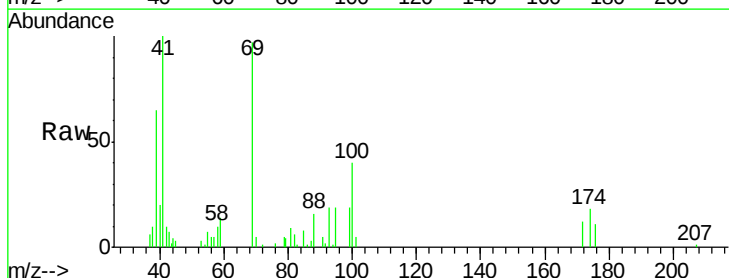
RT: 9.46 min Scan# 1281

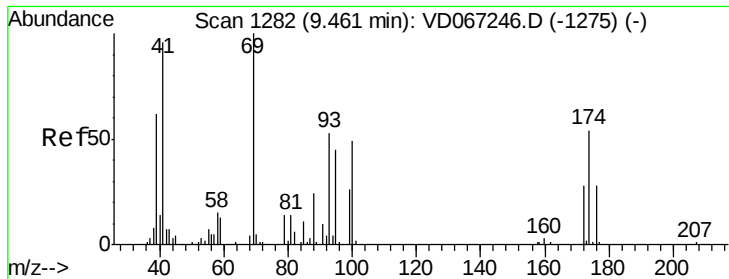
Delta R.T. -0.01 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Tgt Ion:	41	Resp:	21816
Ion	Ratio	Lower	Upper
41	100		
69	118.6	89.0	133.6
39	78.0	60.2	90.2





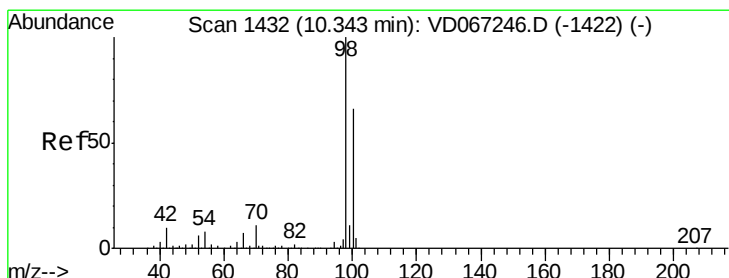
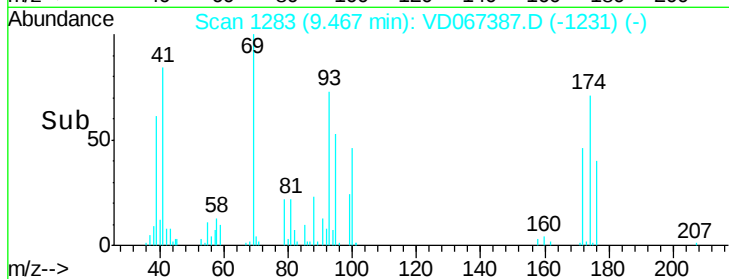
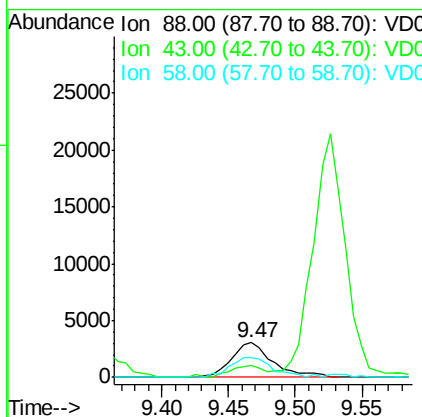
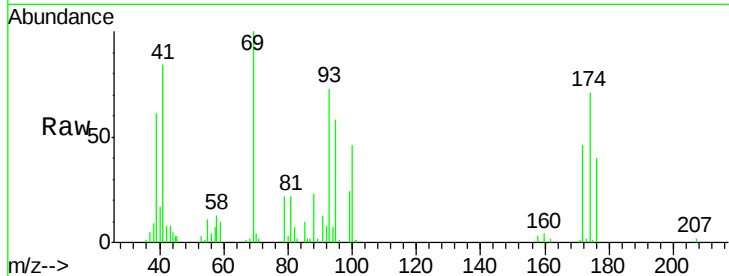
#49
1,4-Dioxane
Concen: 420.326 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.6	23.9	35.9
58	56.5	51.0	76.6

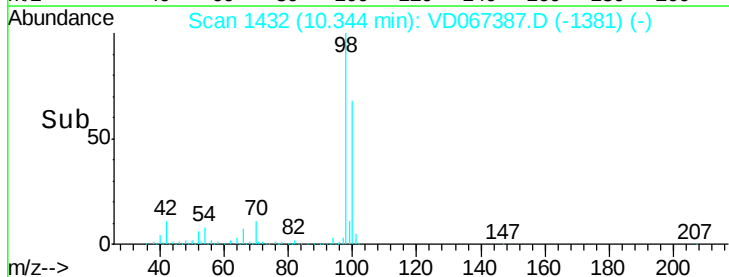
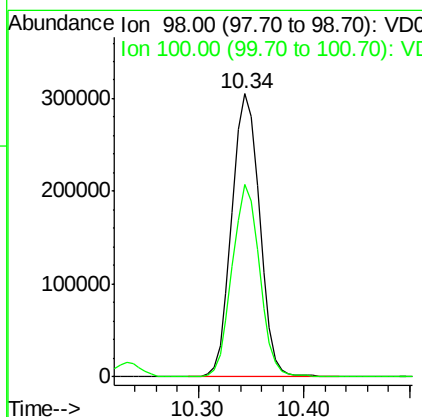
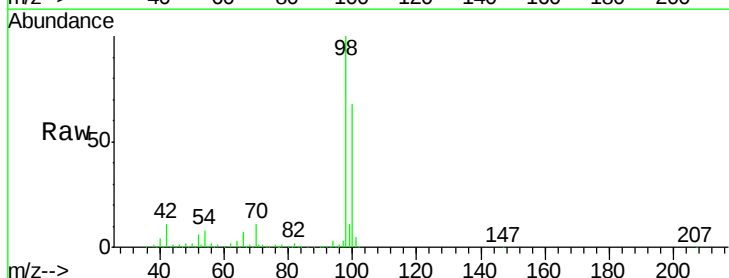
Manual Integrations
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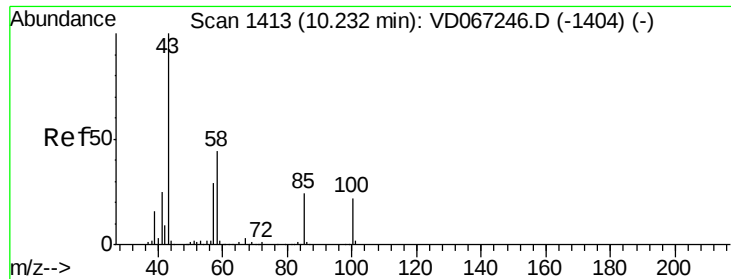
MMDadoda
10/27/2020 11:45:52 AM



#50
Toluene-d8
Concen: 50.548 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 109.528 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleID :

VD1026SBS01

Tot Ion: 43 Resp: 123728

Ion Ratio Lower Upper

43 100

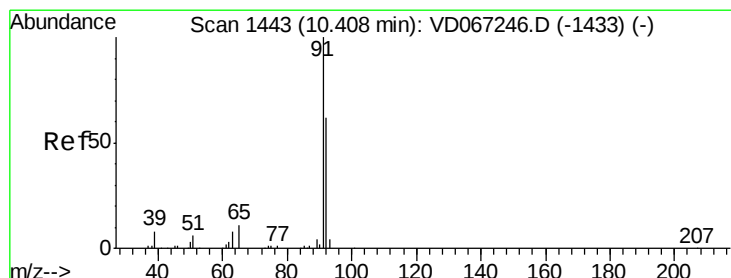
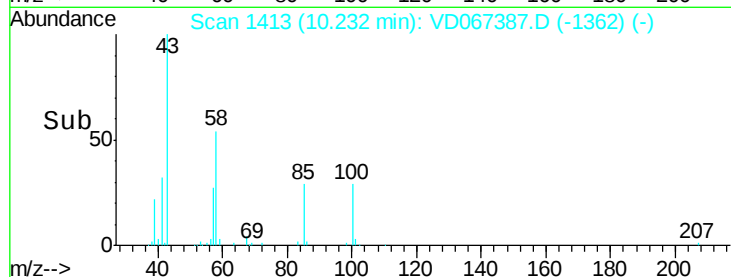
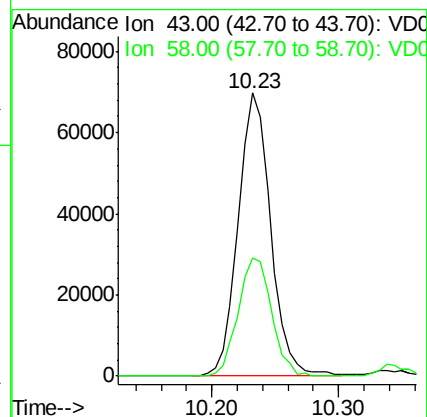
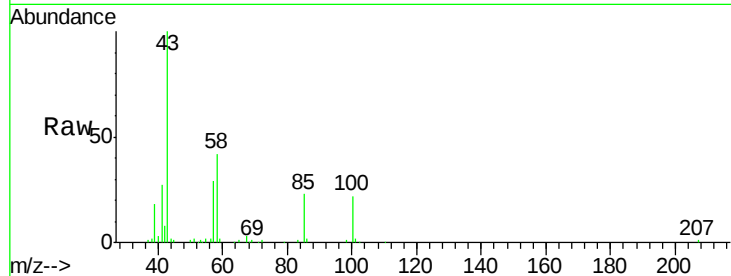
58 43.1 35.7 53.5

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MMDadoda

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#52

Toluene

Concen: 22.114 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067387.D

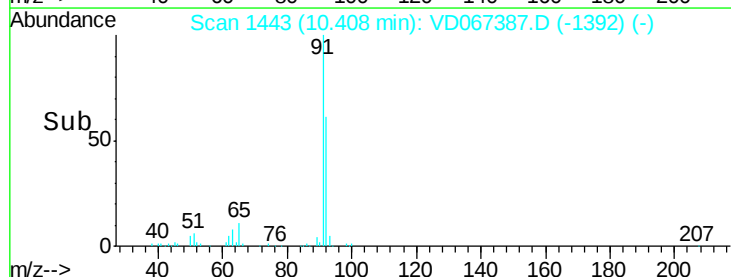
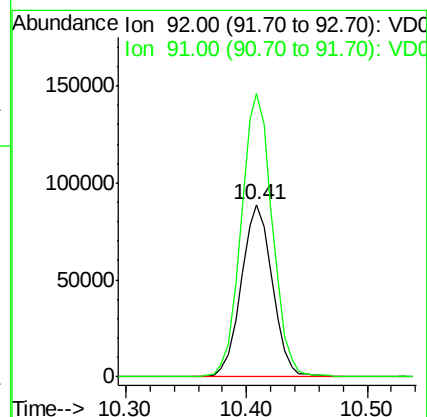
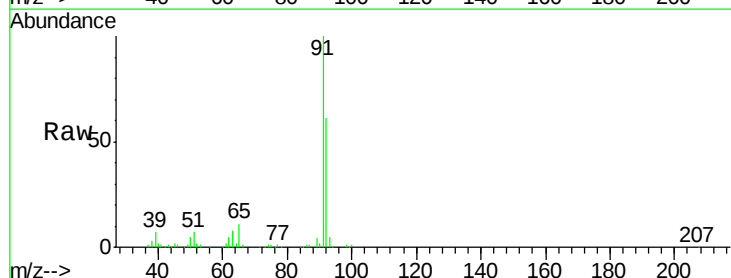
Acq: 26 Oct 2020 12:50

Tgt Ion: 92 Resp: 160303

Ion Ratio Lower Upper

92 100

91 164.0 133.8 200.8





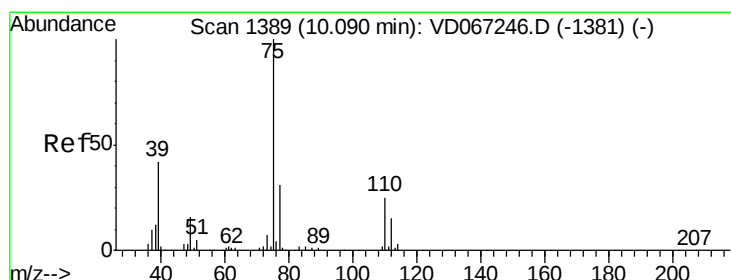
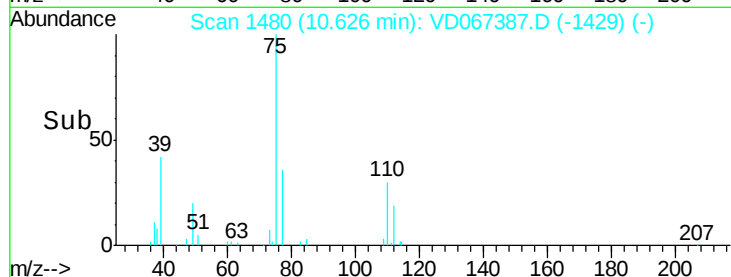
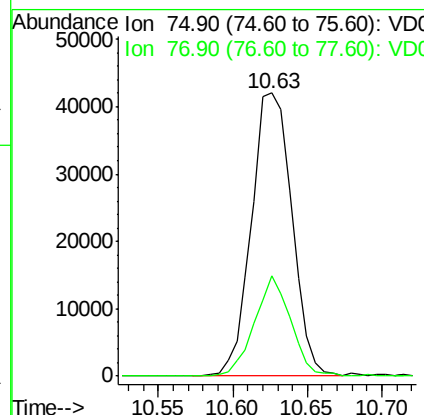
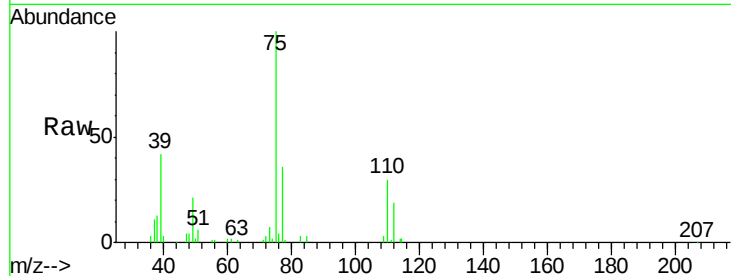
#53
t-1,3-Dichloropropene
Concen: 21.800 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion: 75 Resp: 78851
Ion Ratio Lower Upper
75 100
77 35.6 26.5 39.7

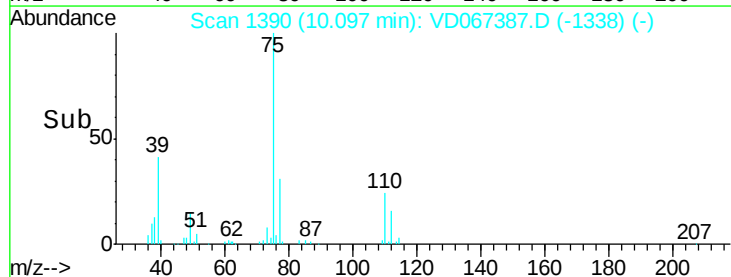
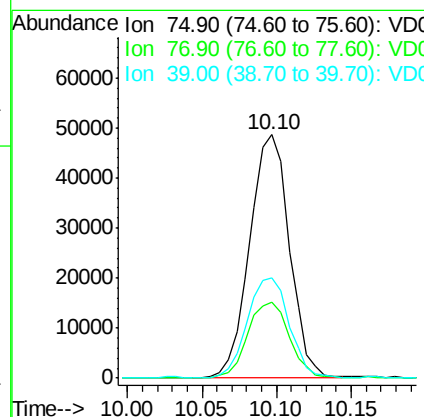
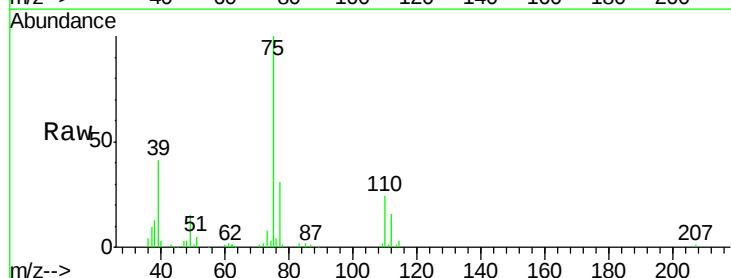
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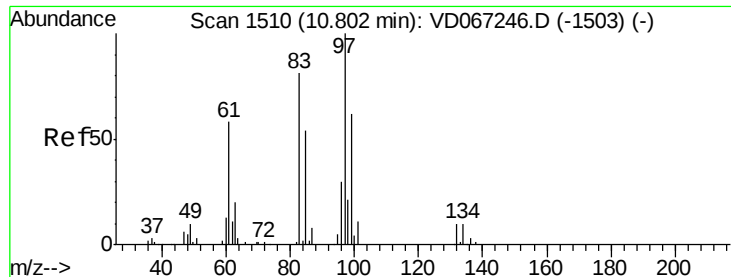
MMDadoda
10/27/2020 11:45:52 AM



#54
cis-1,3-Dichloropropene
Concen: 21.171 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion: 75 Resp: 89619
Ion Ratio Lower Upper
75 100
77 31.1 24.5 36.7
39 41.0 33.7 50.5





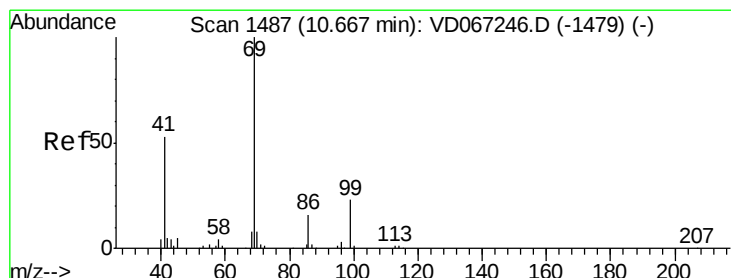
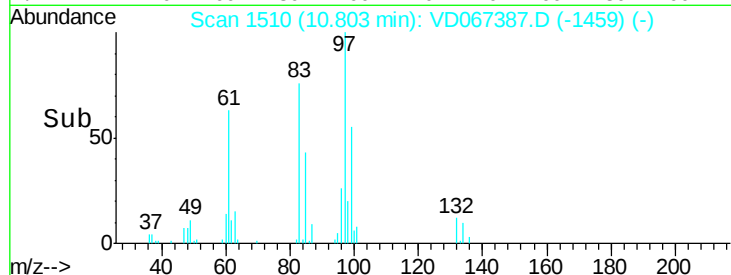
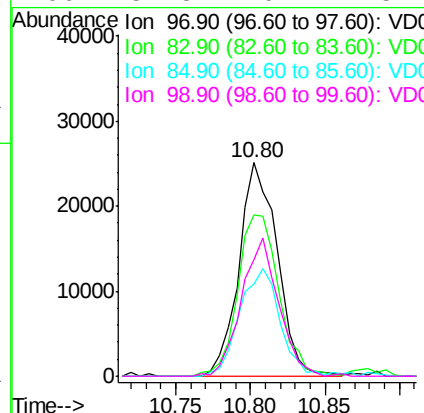
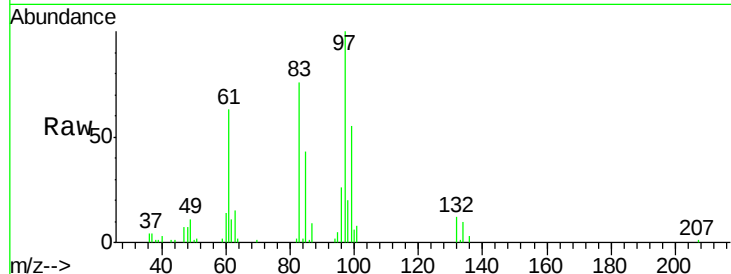
#55
 1,1,2-Trichloroethane
 Concen: 21.326 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	97	Resp	44691
Ion	Ratio	Lower	Upper
97	100		
83	75.7	64.9	97.3
85	43.2	43.3	64.9#
99	54.8	49.1	73.7

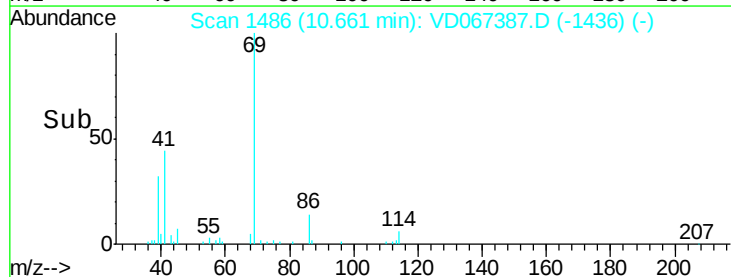
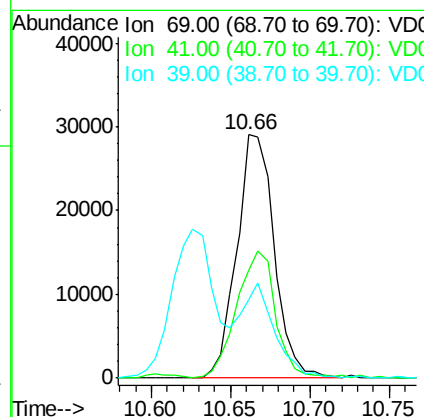
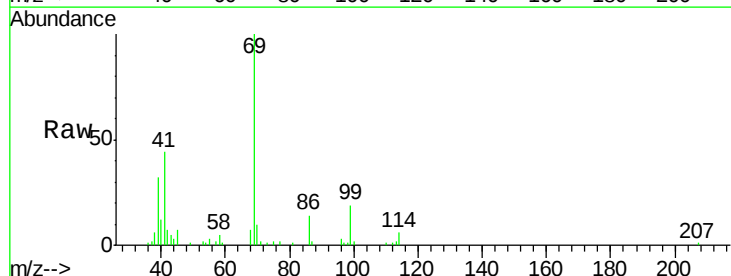
Manual Integrations
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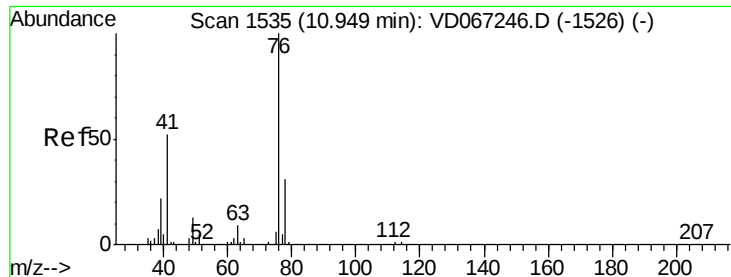
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 10/27/2020 11:45:52 AM



#56
 Ethyl methacrylate
 Concen: 21.907 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Tgt Ion	69	Resp	47614
Ion	Ratio	Lower	Upper
69	100		
41	54.5	44.7	67.1
39	35.0	26.2	39.2





#57

1,3-Dichloropropane

Concen: 22.035 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 76 Resp: 73487

Ion Ratio Lower Upper

76 100

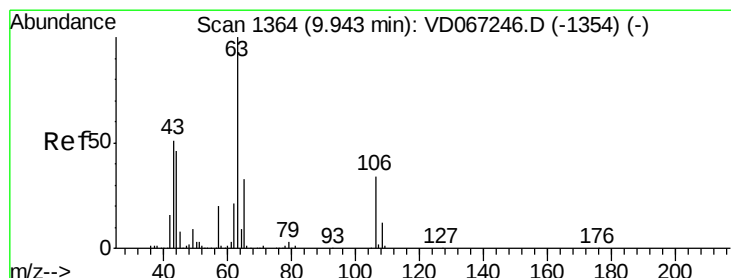
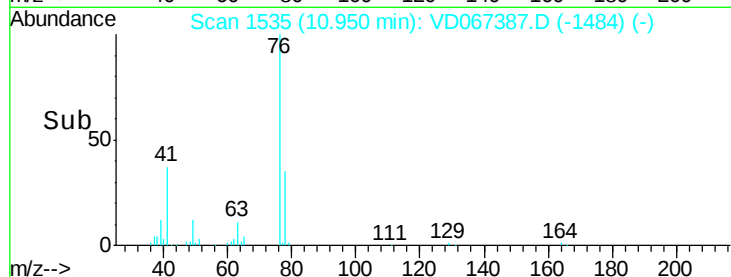
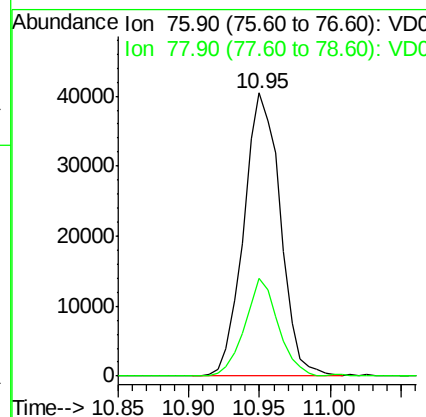
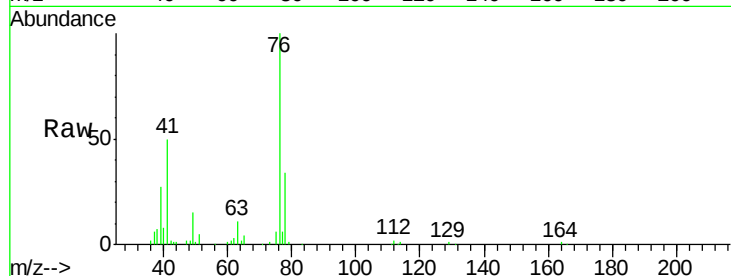
78 31.5 26.8 40.2

Manual Integrations

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MMDadoda

10/27/2020 11:45:52 AM



#58

2-Chloroethyl Vinyl ether

Concen: 108.916 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067387.D

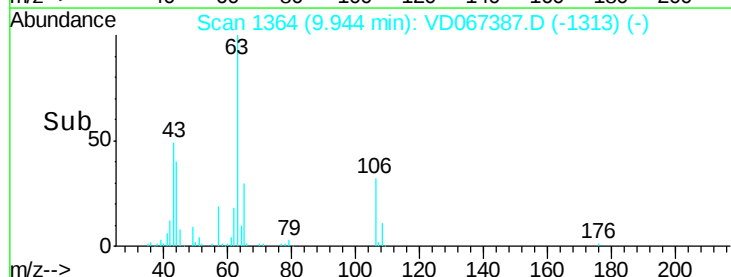
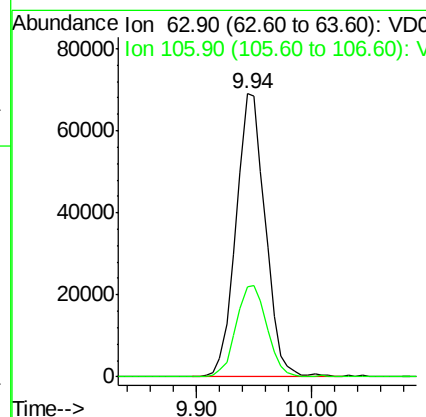
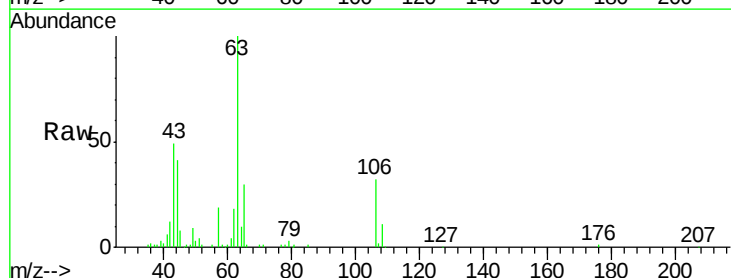
Acq: 26 Oct 2020 12:50

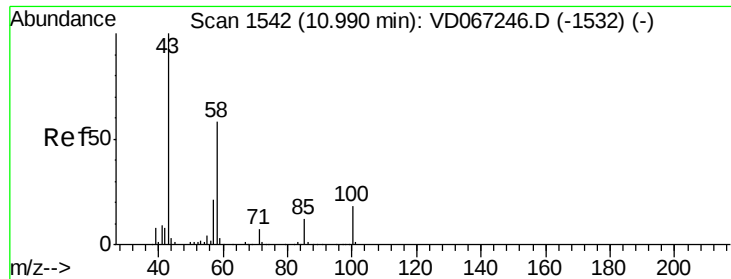
Tgt Ion: 63 Resp: 121437

Ion Ratio Lower Upper

63 100

106 34.0 27.8 41.6





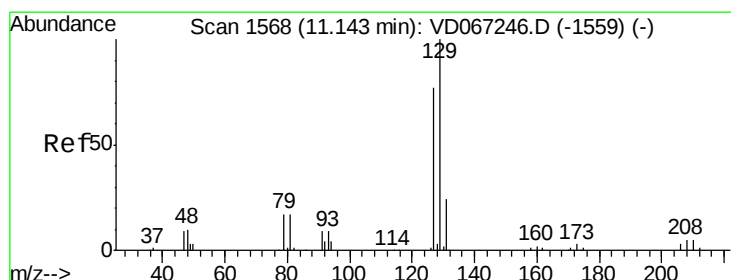
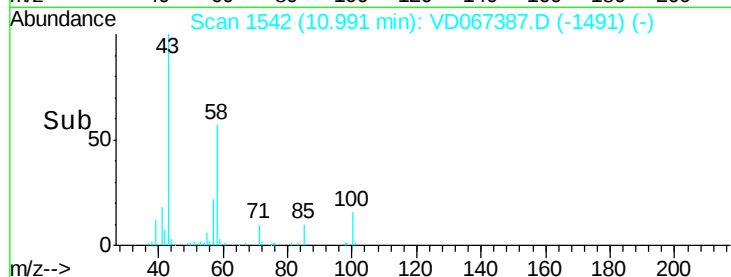
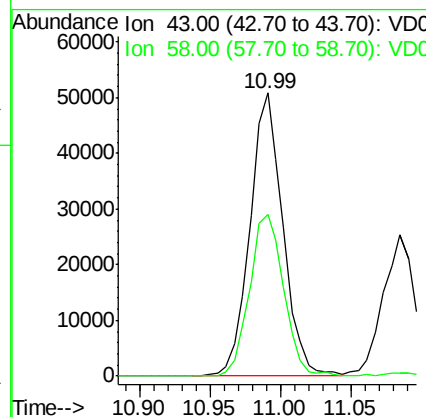
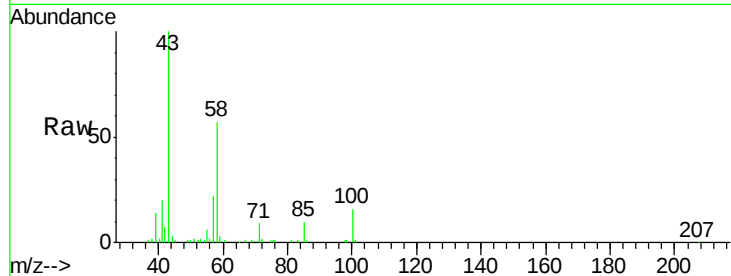
#59
2-Hexanone
Concen: 107.918 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

Tot Ion: 43 Resp: 83304
Ion Ratio Lower Upper
43 100
58 59.0 29.3 87.9

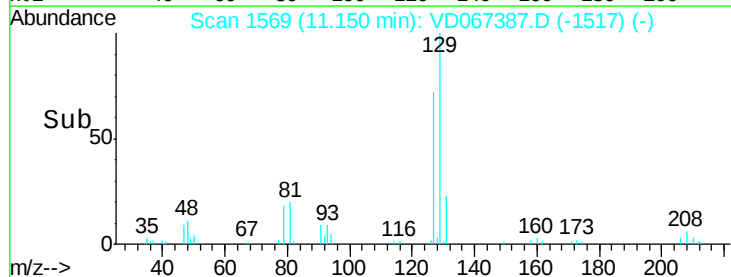
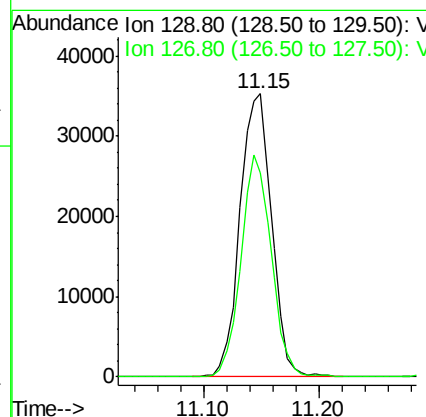
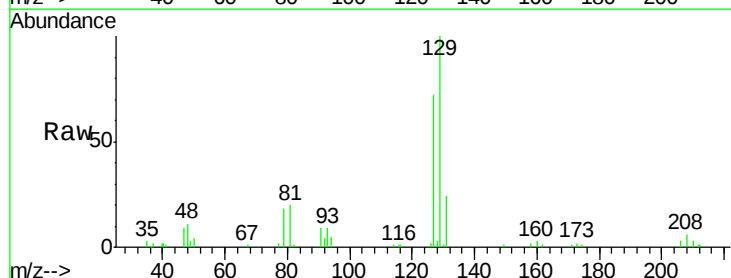
Manual Integrations
APPROVED

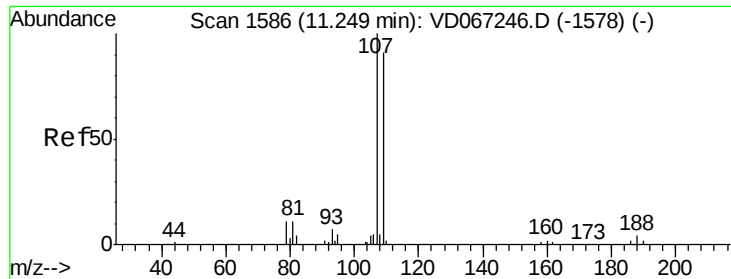
MMDadoda
10/27/2020 11:45:52 AM



#60
Dibromochloromethane
Concen: 21.883 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion: 129 Resp: 66878
Ion Ratio Lower Upper
129 100
127 75.0 38.3 114.8





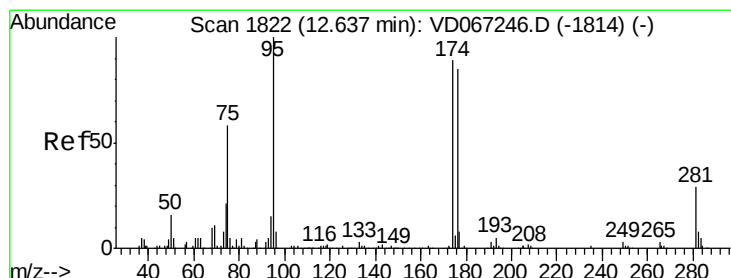
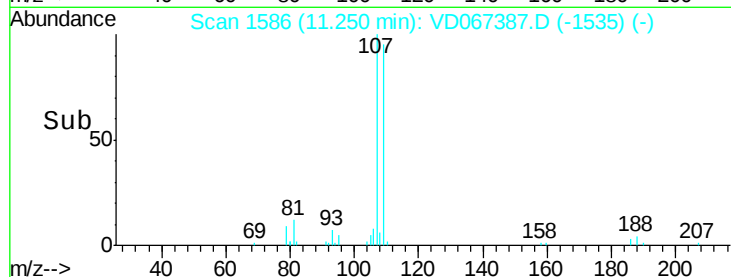
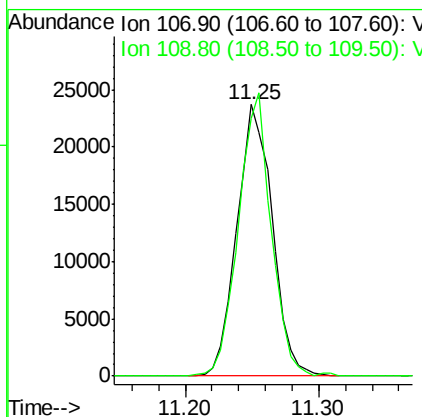
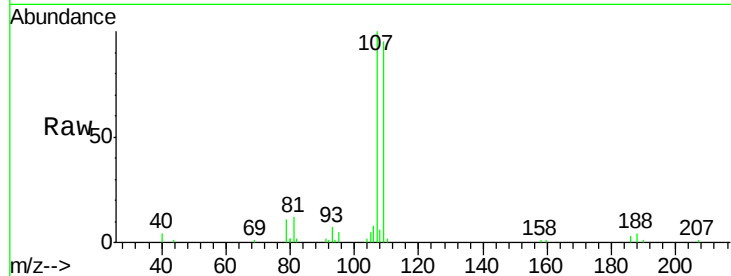
#61
1,2-Dibromoethane
Concen: 21.073 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion: 107 Resp: 43537
Ion Ratio Lower Upper
107 100
109 95.9 74.6 112.0

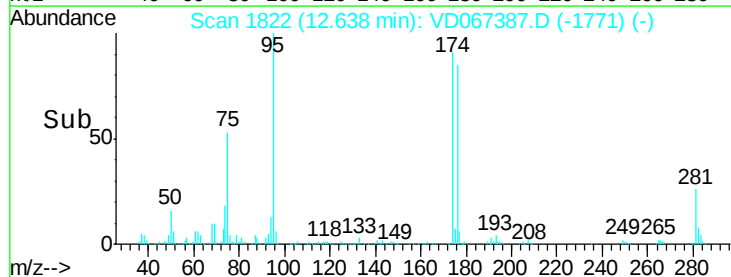
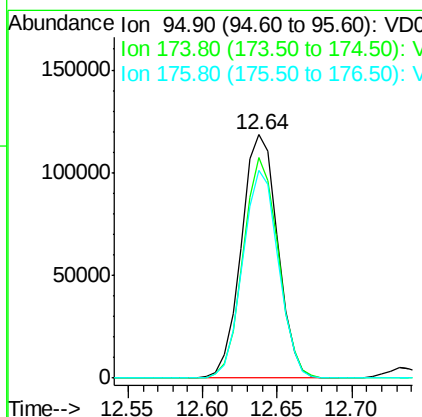
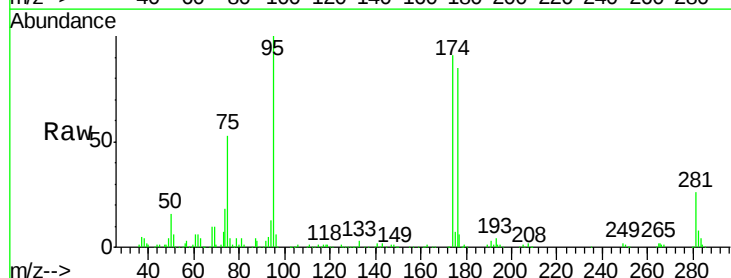
Manual Integrations
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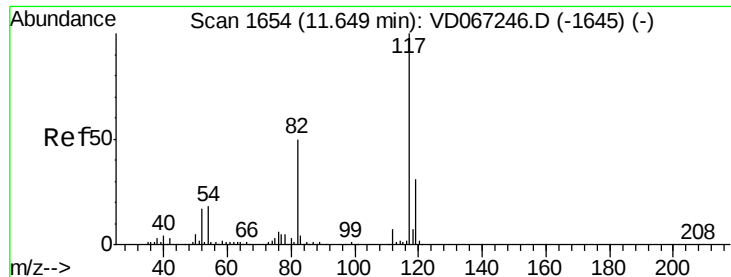
MMDadoda
10/27/2020 11:45:52 AM



#62
4-Bromofluorobenzene
Concen: 51.958 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion: 95 Resp: 199165
Ion Ratio Lower Upper
95 100
174 87.9 0.0 175.2
176 83.7 0.0 168.6





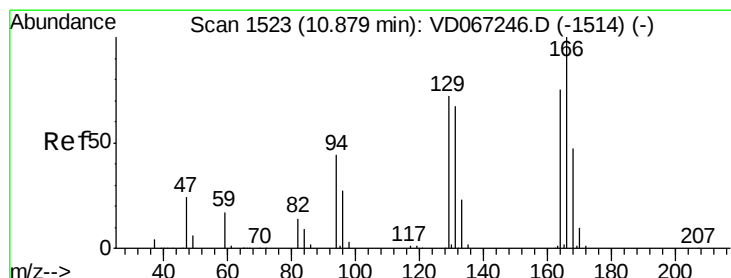
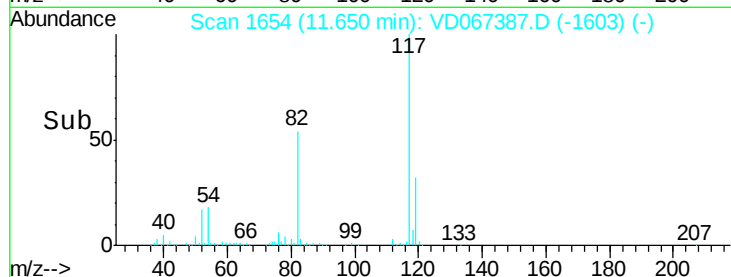
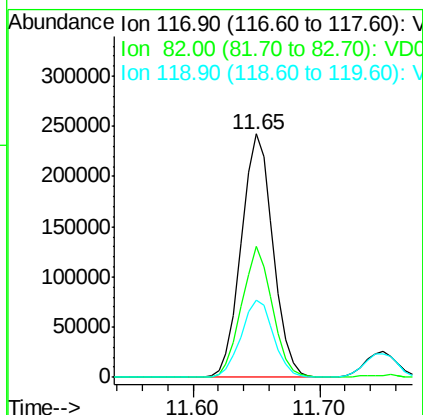
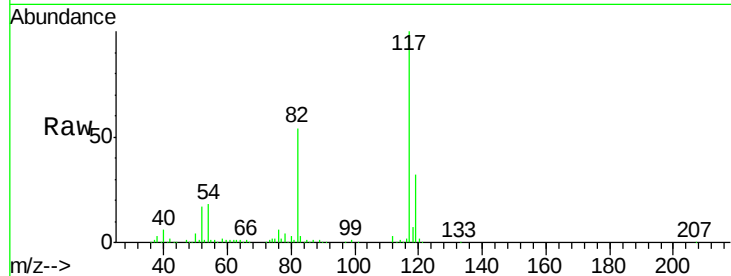
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	39.9	59.9
119	31.8	24.9	37.3

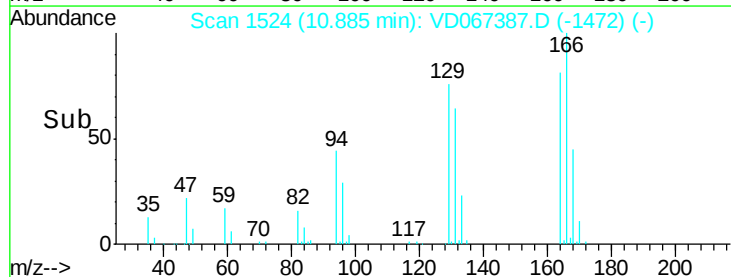
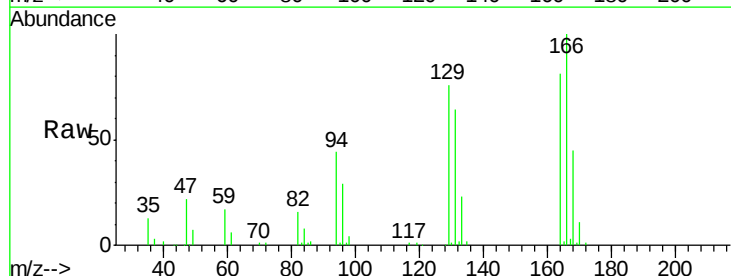
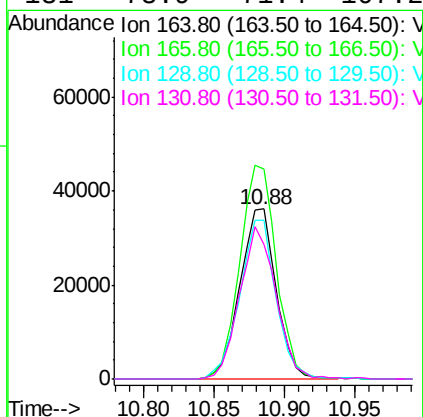
Manual Integrations
APPROVED

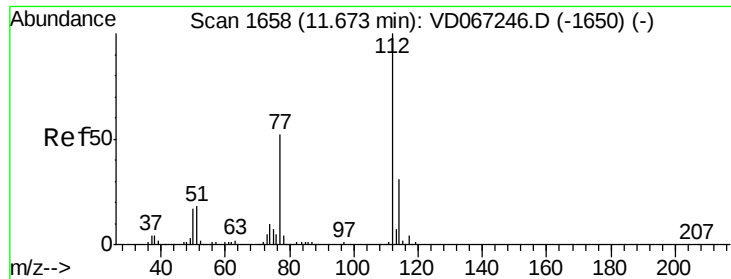
MMDadoda
10/27/2020 11:45:52 AM



#64
Tetrachloroethene
Concen: 21.354 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	107.3	160.9
129	93.6	77.3	115.9
131	78.9	71.4	107.2





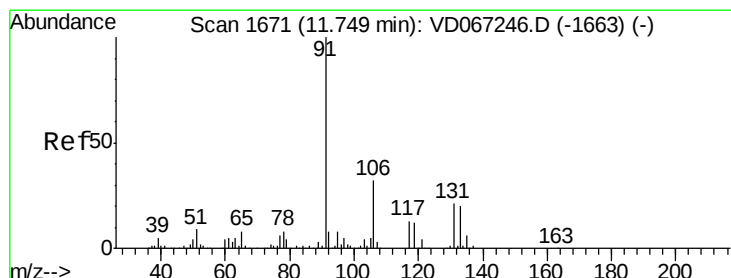
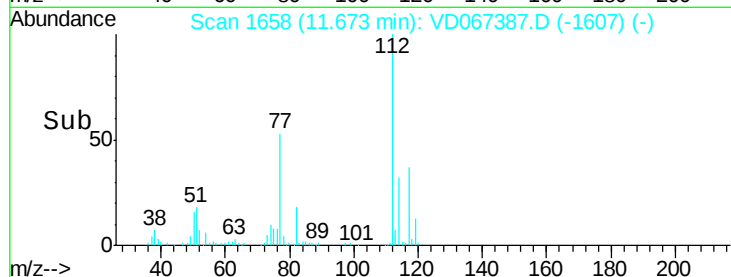
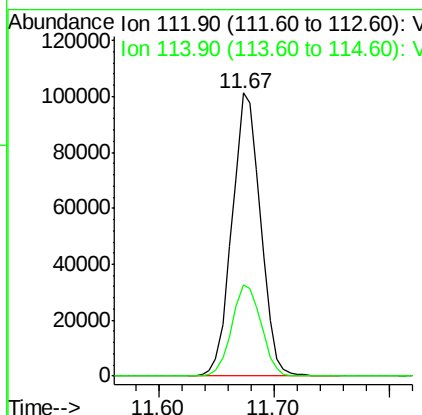
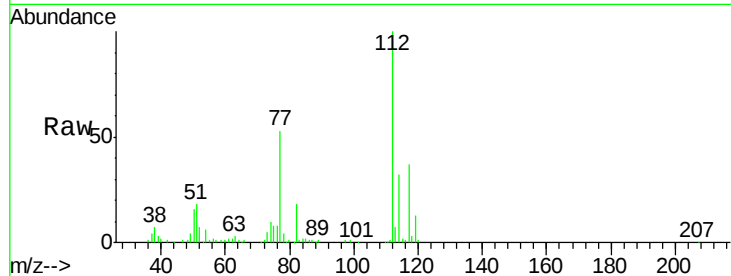
#65
Chlorobenzene
Concen: 21.408 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.0	37.4

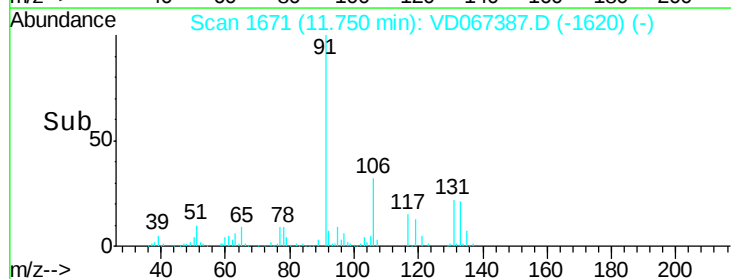
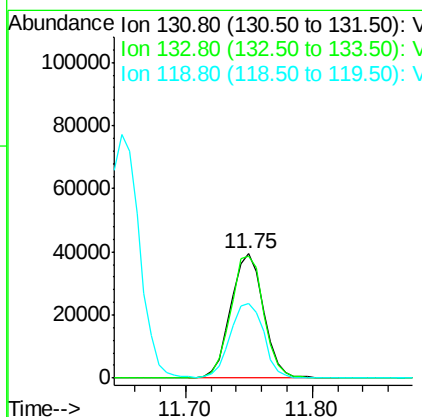
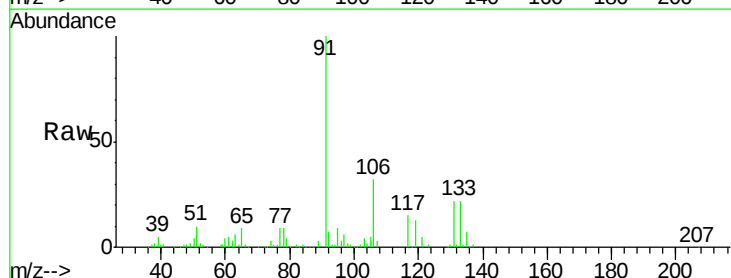
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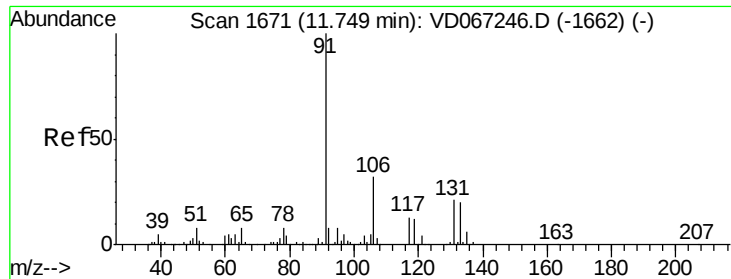
MMDadoda
10/27/2020 11:45:52 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.959 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.4	48.1	144.3
119	61.4	30.0	90.0





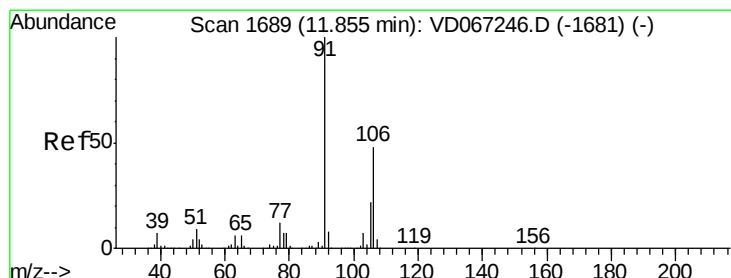
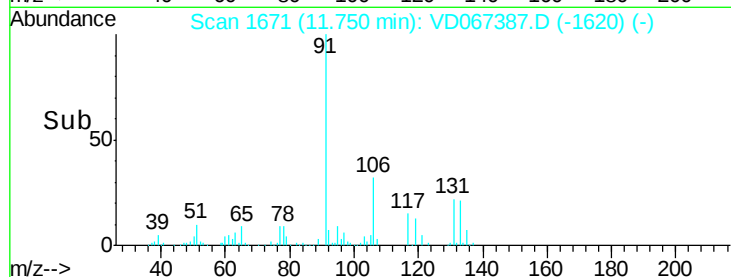
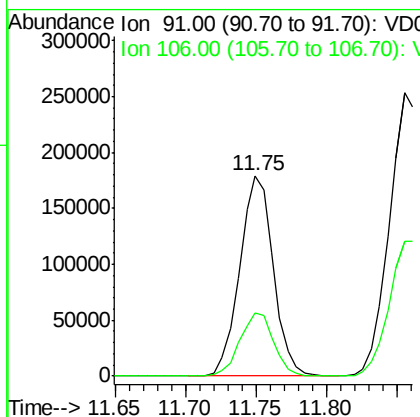
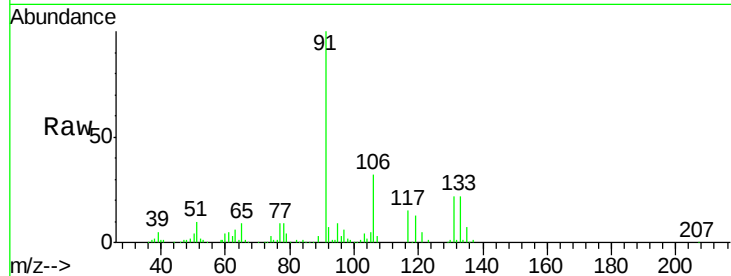
#67
Ethyl Benzene
Concen: 21.481 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.4	38.0

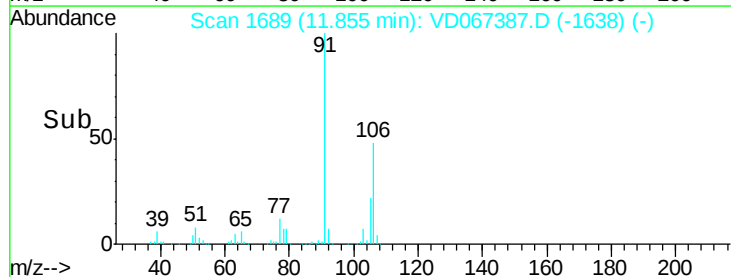
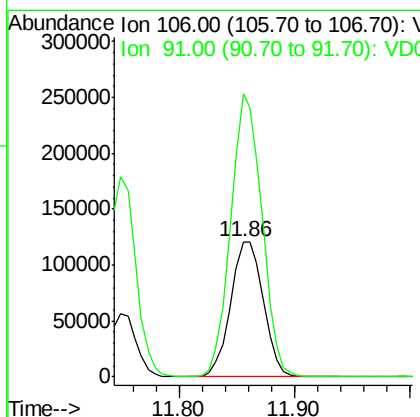
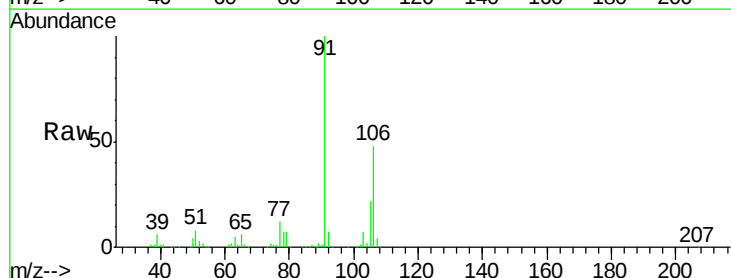
Manual Integrations
APPROVED

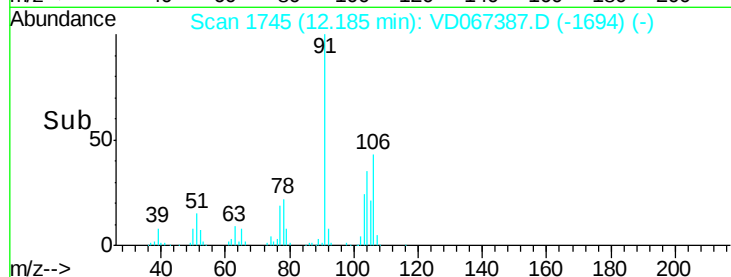
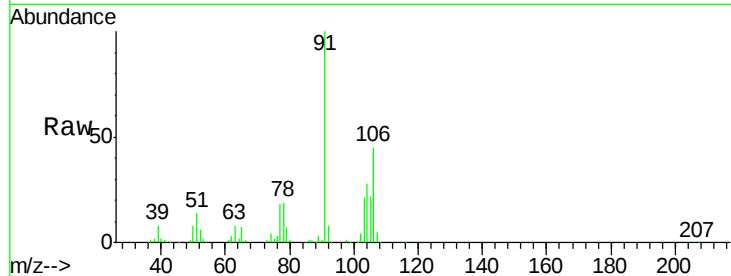
MMDadoda
10/27/2020 11:45:52 AM



#68
m/p-Xylenes
Concen: 44.346 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.1	163.8	245.8





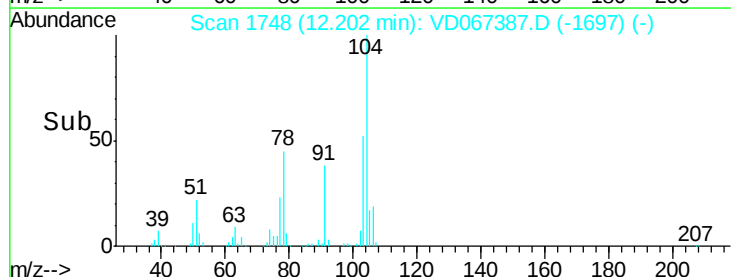
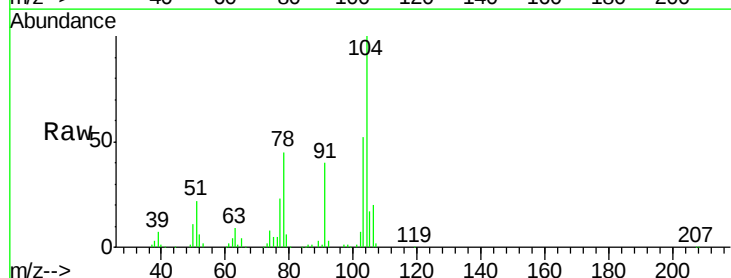
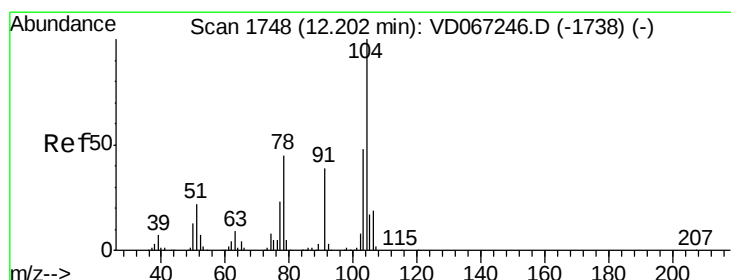
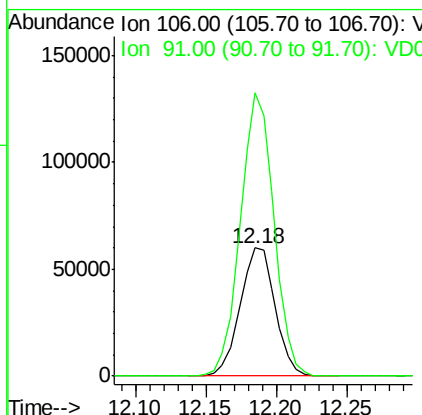
#69
o-Xylene
Concen: 20.969 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tot Ion	Ratio	Resp	Lower	Upper
106	100	103687		
91	212.1	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

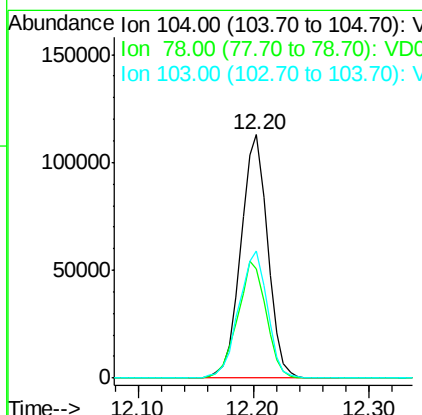
Manual Integrations
APPROVED

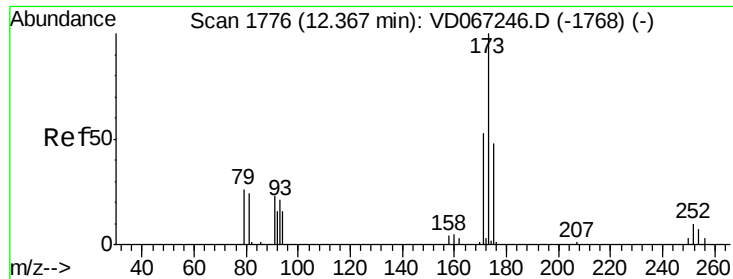
MMDadoda
10/27/2020 11:45:52 AM



#70
Styrene
Concen: 21.415 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	182291		
78	50.6	39.8	59.6	
103	55.8	42.6	64.0	





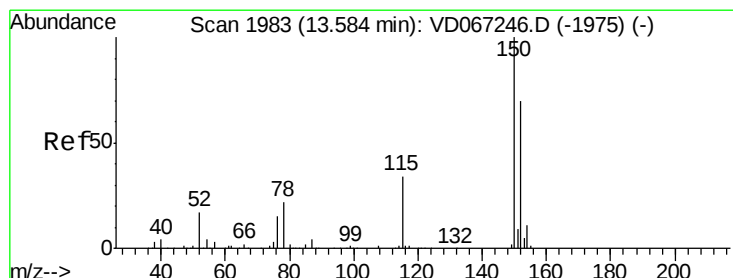
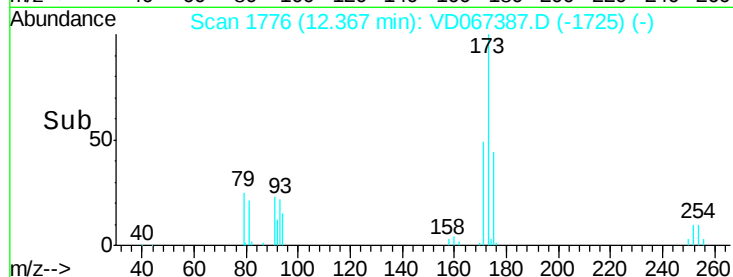
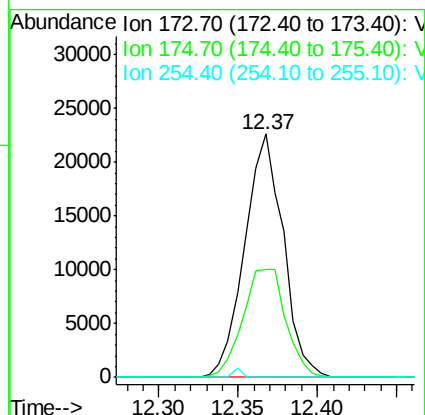
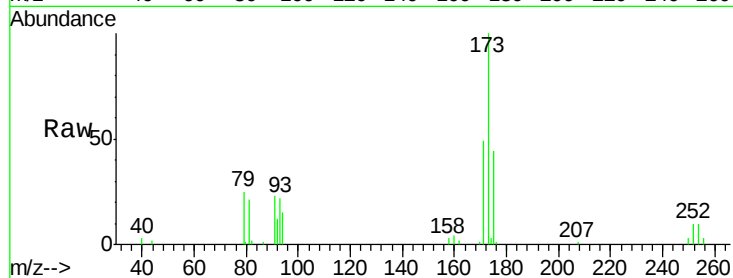
#71
Bromoform
Concen: 22.071 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.2	72.6
254	0.8	0.1	0.1#

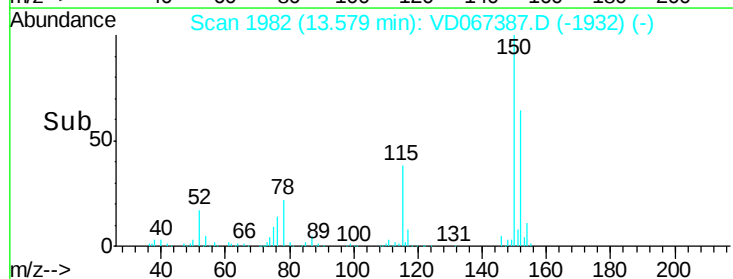
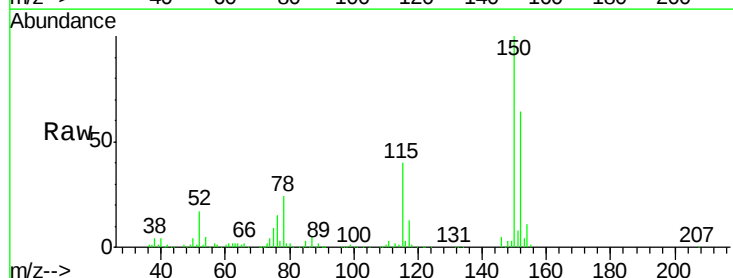
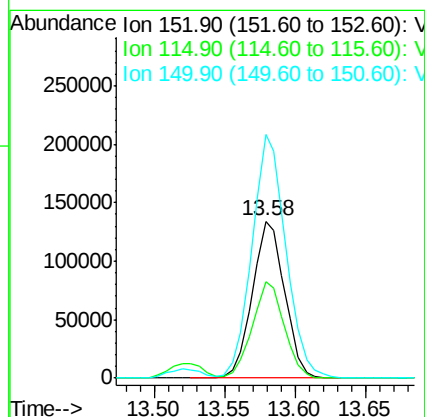
Manual Integrations
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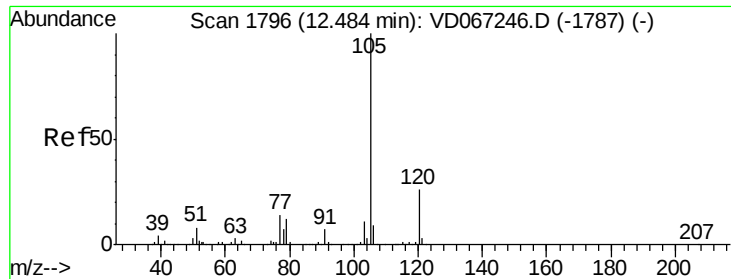
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	29.3	87.9
150	163.3	0.0	339.0





#73

Isopropylbenzene

Concen: 21.588 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 105 Resp: 295160

Ion Ratio Lower Upper

105 100

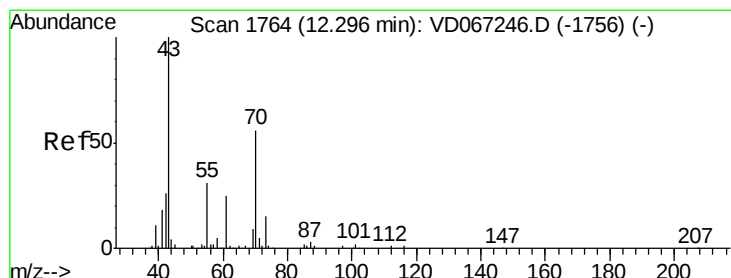
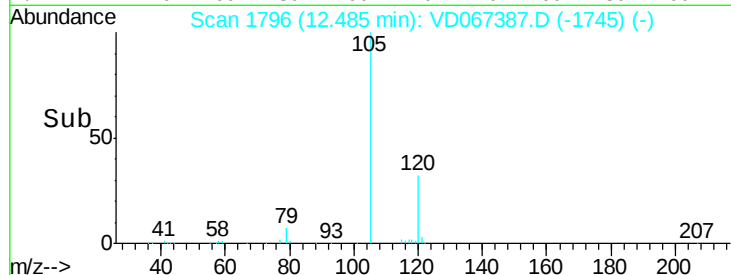
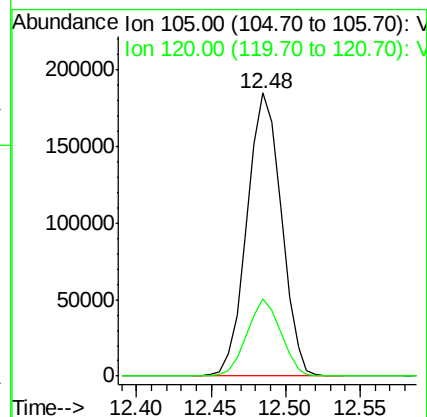
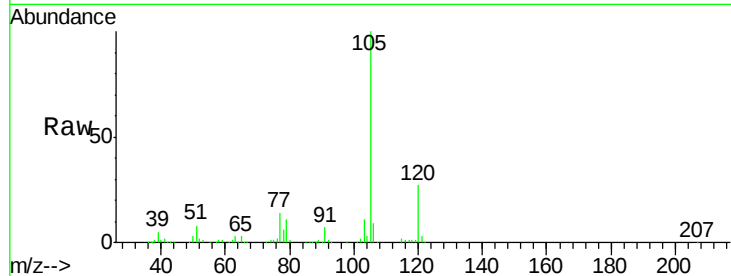
120 26.7 13.3 39.8

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#74

N-ethyl acetate

Concen: 20.945 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Tgt Ion: 43 Resp: 43250

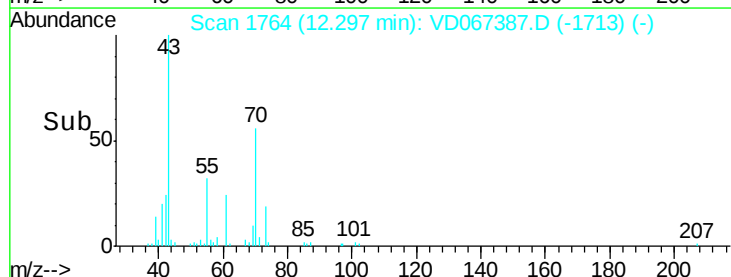
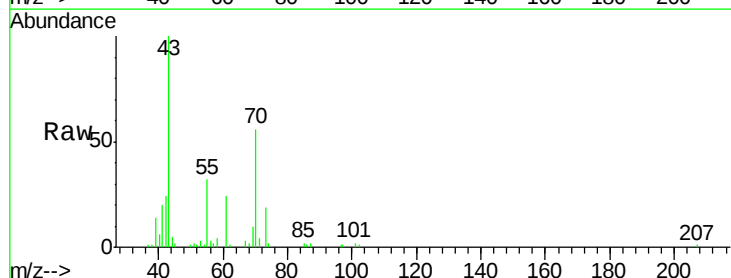
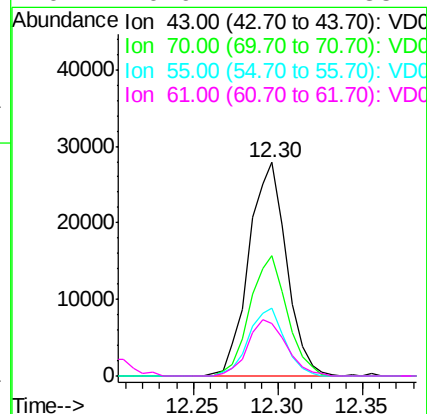
Ion Ratio Lower Upper

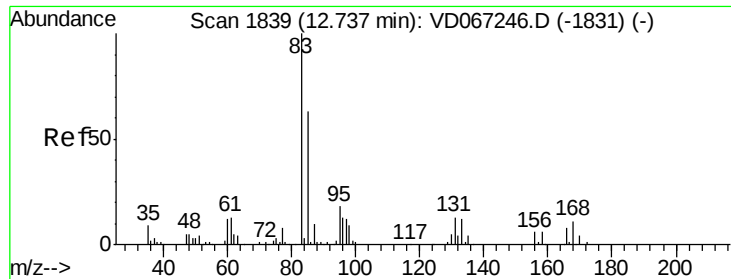
43 100

70 55.7 42.7 64.1

55 30.5 24.0 36.0

61 26.9 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.730 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

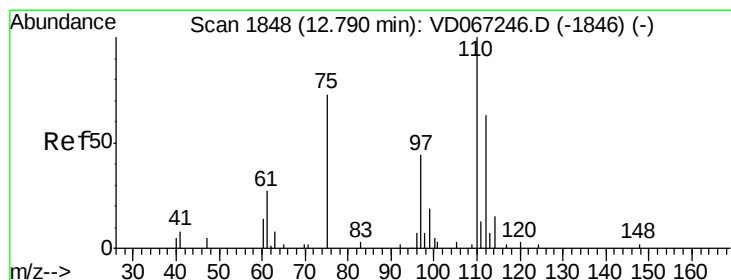
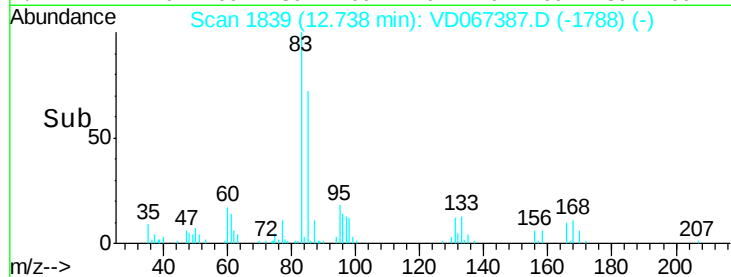
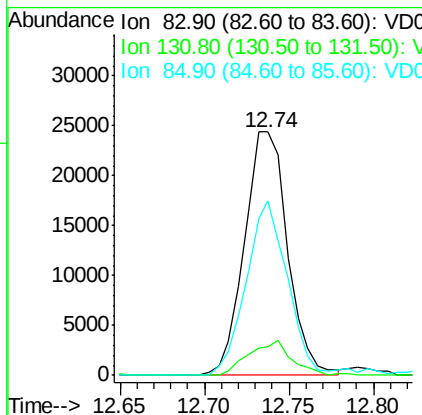
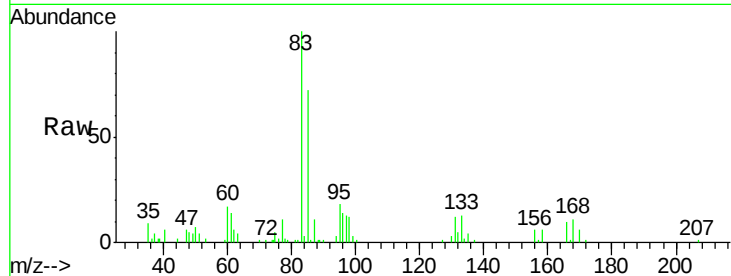
ClientSampleId :

VD1026SBS01

Tot Ion:	83	Resp:	43427
Ion Ratio	Lower	Upper	
83	100		
131	14.1	6.5	19.5
85	68.1	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 19.063 ug/l m

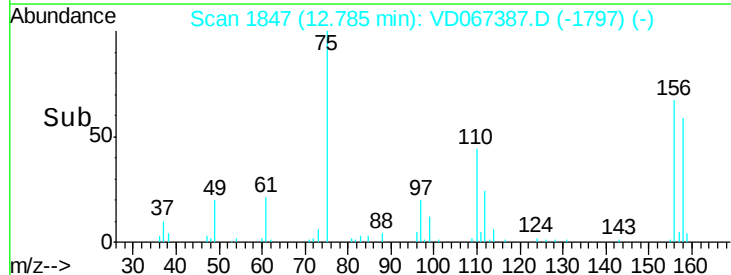
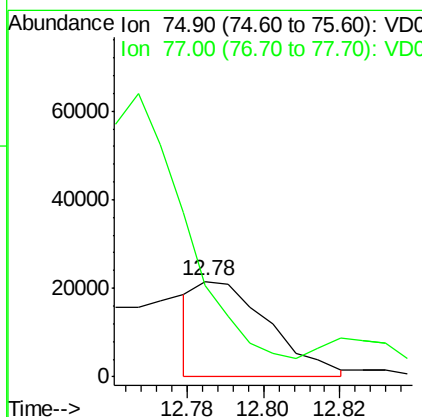
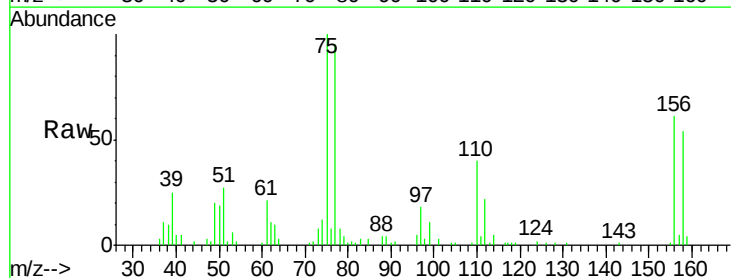
RT: 12.78 min Scan# 1847

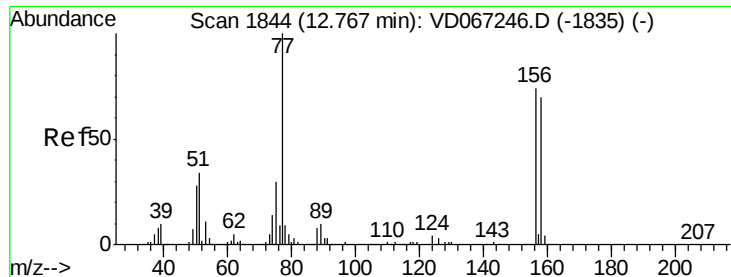
Delta R.T. -0.01 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Tgt Ion:	75	Resp:	28462
Ion Ratio	Lower	Upper	
75	100		
77	413.9	0.0	0.0#





#77

Bromobenzene

Concen: 21.695 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

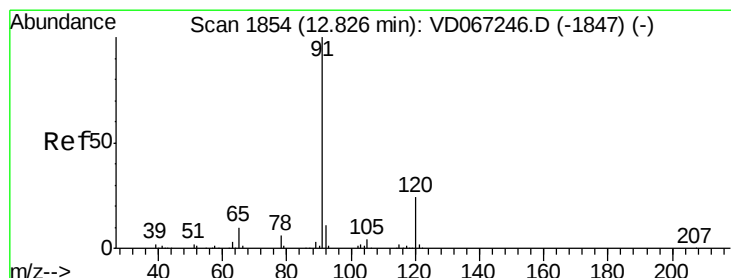
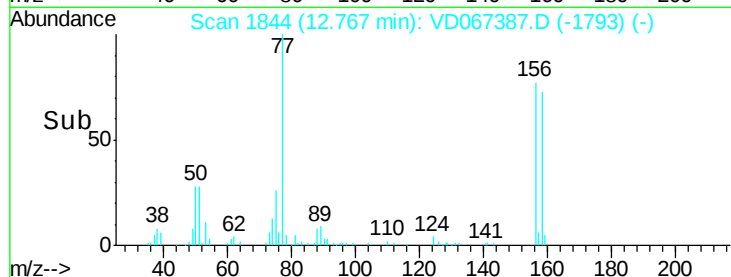
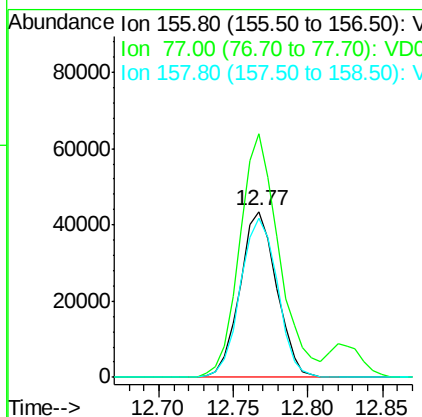
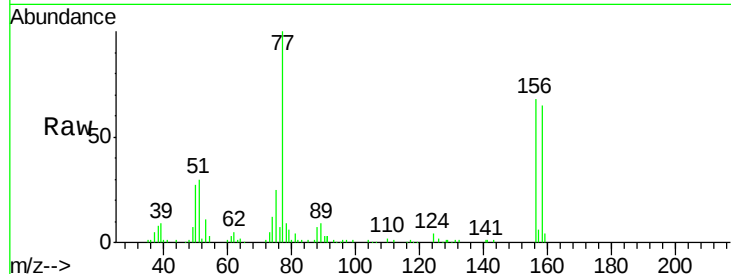
ClientSampleId :

VD1026SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	159.3	78.0	233.8	
158	97.0	49.1	147.3	

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#78

n-propylbenzene

Concen: 21.409 ug/l

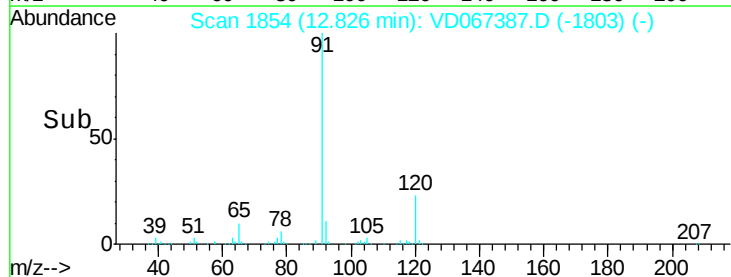
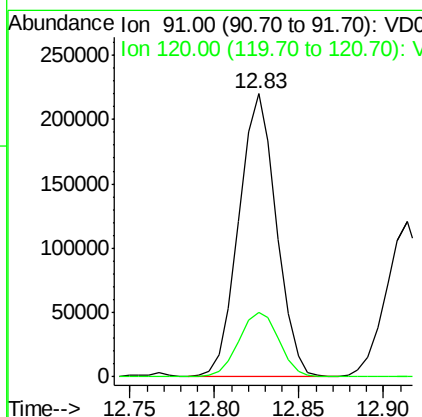
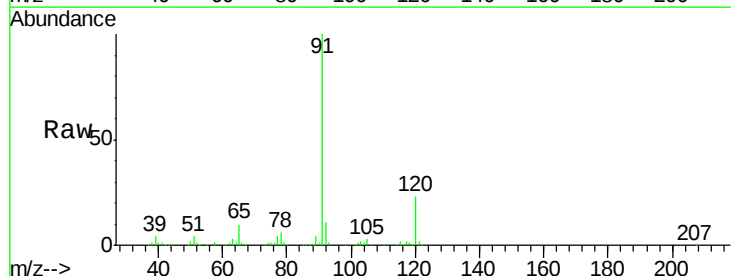
RT: 12.83 min Scan# 1854

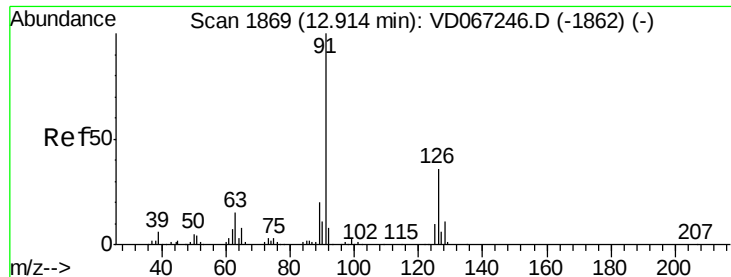
Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.3	11.9	35.9	





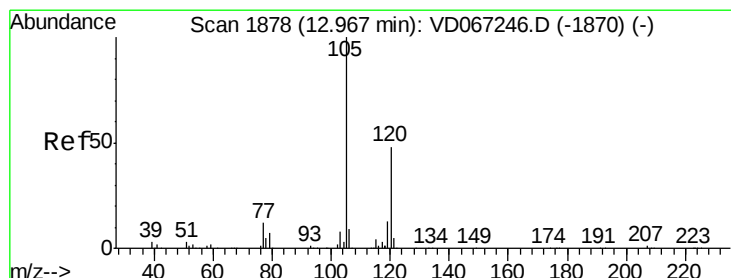
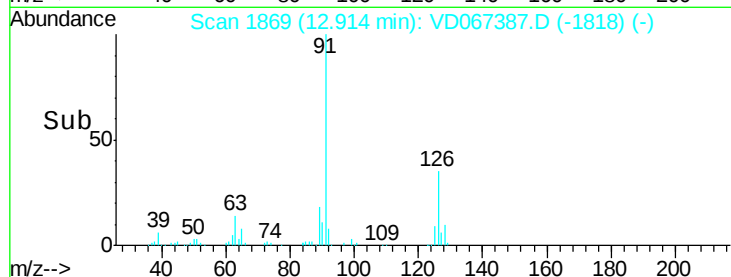
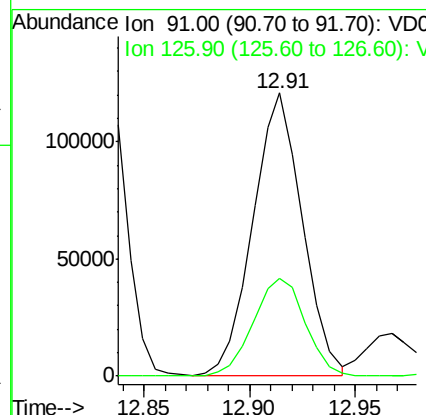
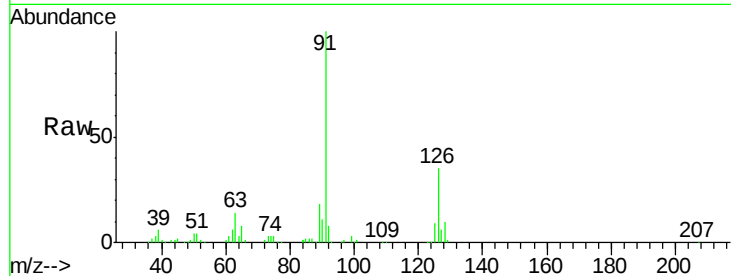
#79
 2-Chlorotoluene
 Concen: 21.330 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.6	52.8

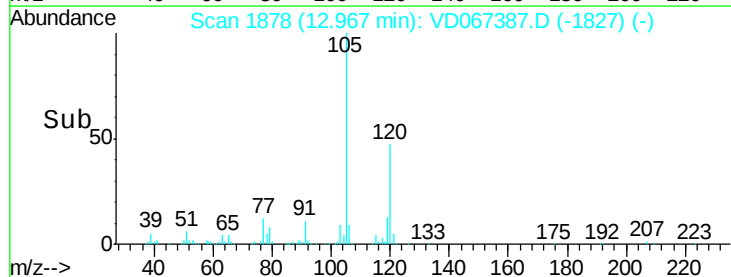
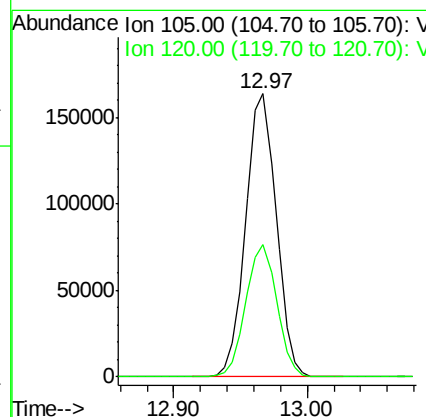
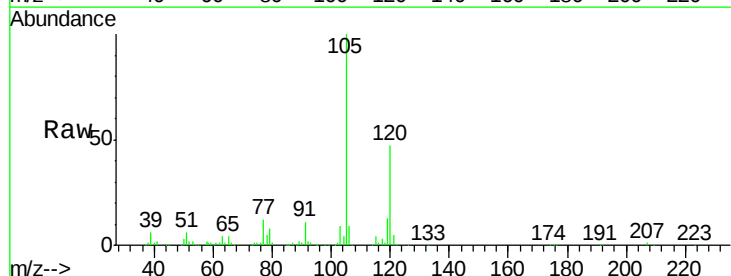
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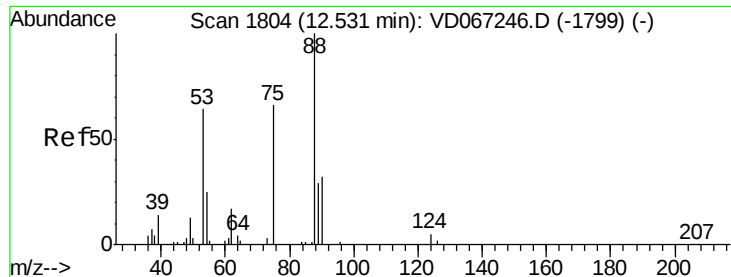
MMDadoda
 10/27/2020 11:45:52 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.817 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.3	72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.720 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

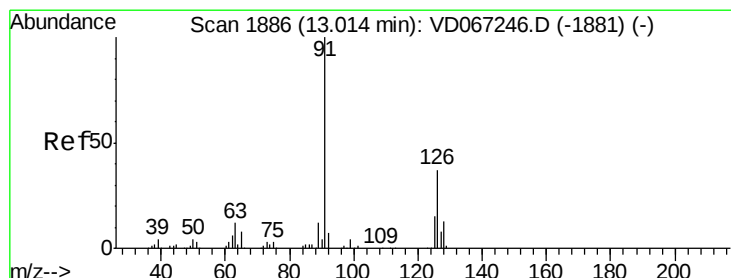
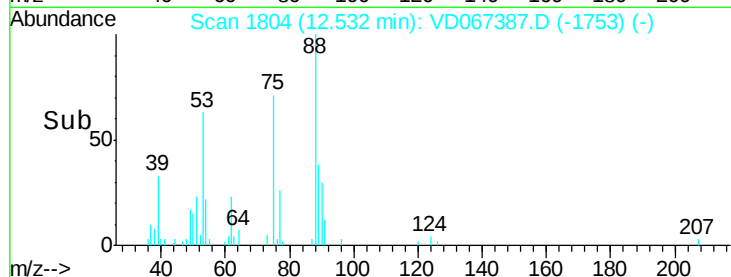
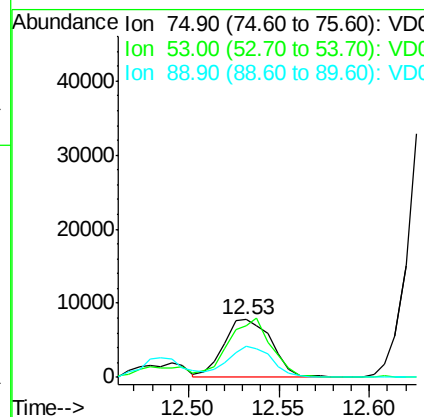
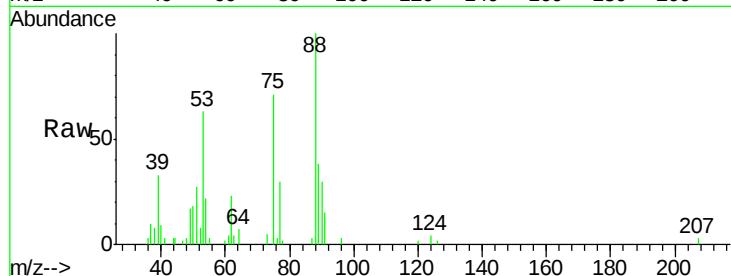
ClientSampleId :

VD1026SBS01

Tot Ion:	75	Resp:	14301
Ion	Ratio	Lower	Upper
75	100		
53	91.7	78.5	117.7
89	49.0	39.9	59.9

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#82

4-Chlorotoluene

Concen: 22.011 ug/l

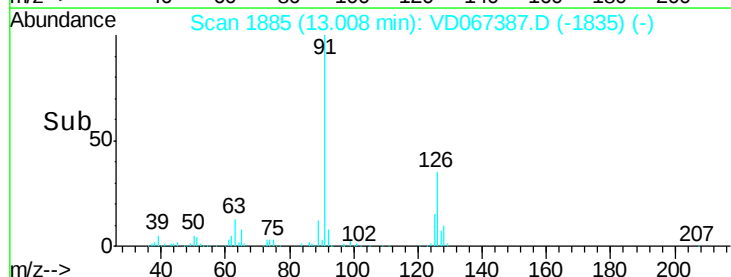
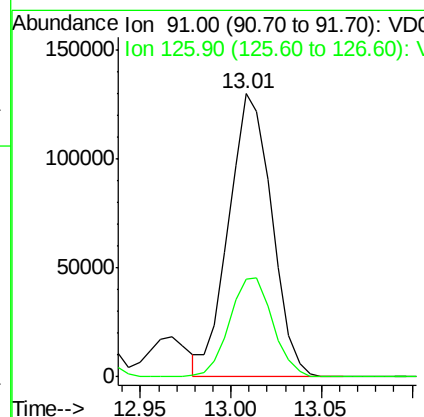
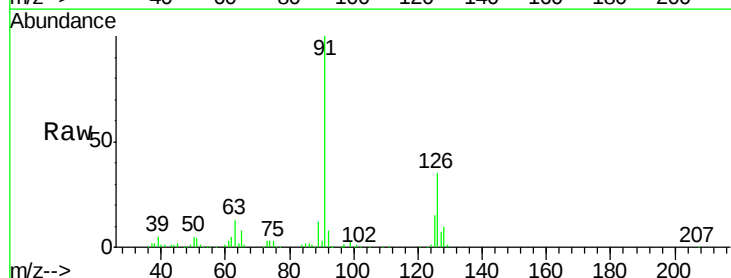
RT: 13.01 min Scan# 1885

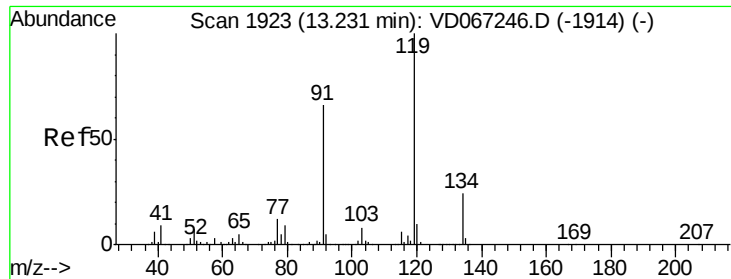
Delta R.T. -0.01 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Tgt Ion:	91	Resp:	214613
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.8	53.5





#83

tert-Butylbenzene

Concen: 21.861 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Instrument :

MSVOA_D

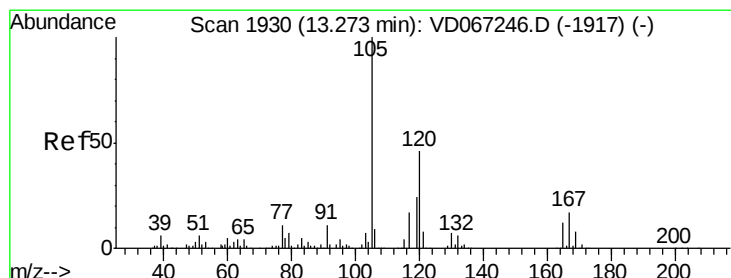
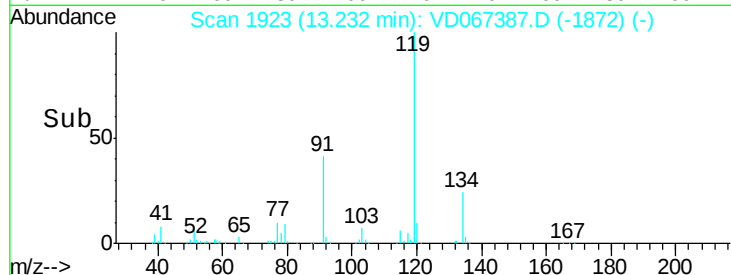
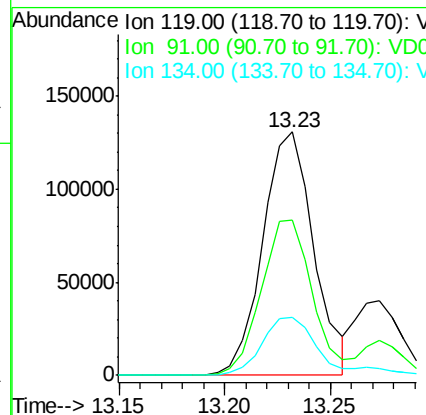
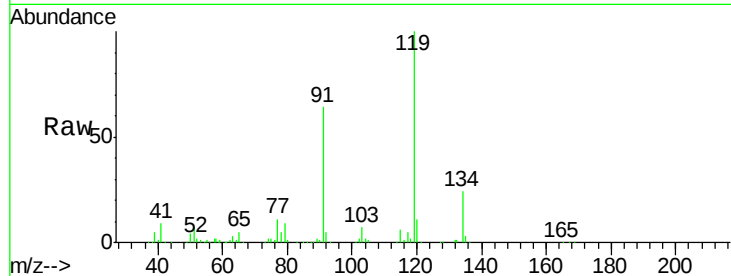
ClientSampleId :

VD1026SBS01

Tot Ion:	119	Resp:	219398
Ion Ratio	Lower	Upper	
119	100		
91	63.8	33.1	99.2
134	27.0	13.3	39.9

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#84

1,2,4-Trimethylbenzene

Concen: 22.008 ug/l

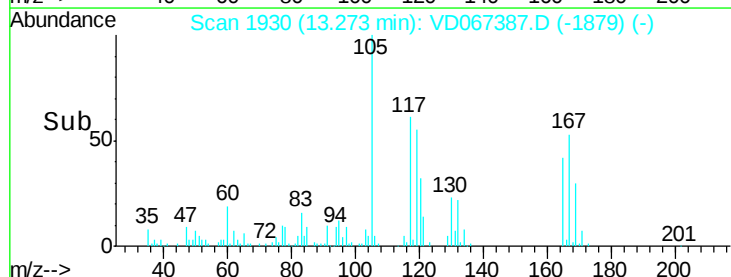
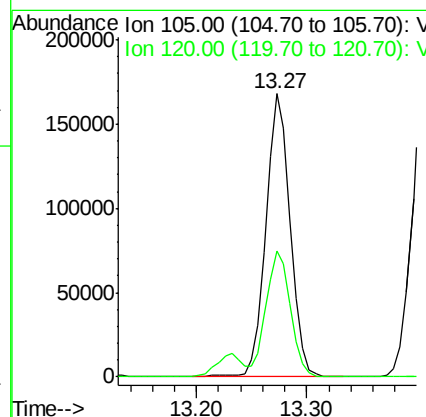
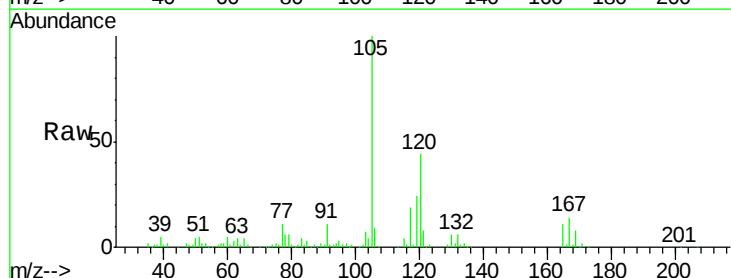
RT: 13.27 min Scan# 1930

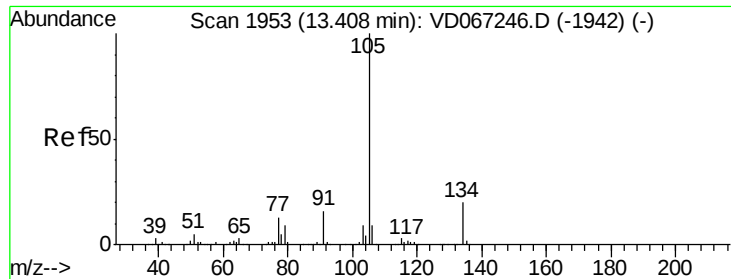
Delta R.T. 0.00 min

Lab File: VD067387.D

Acq: 26 Oct 2020 12:50

Tgt Ion:	105	Resp:	258440
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.4	67.3





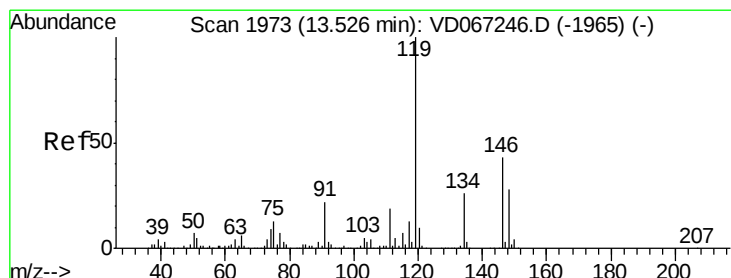
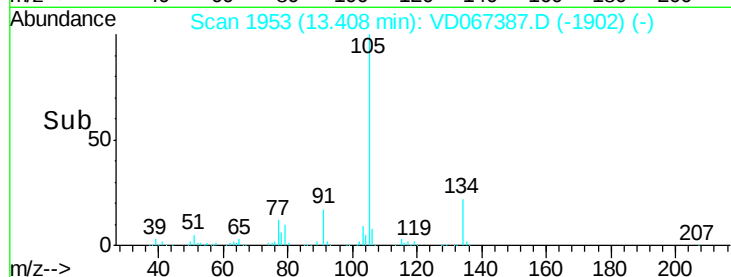
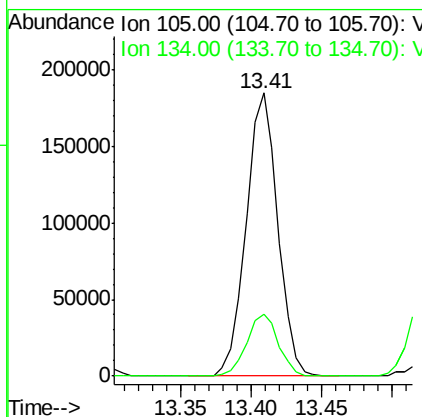
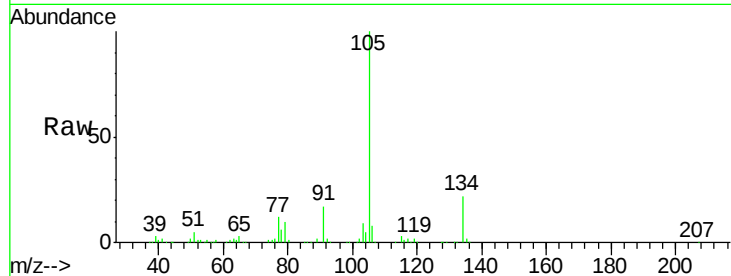
#85
 sec-Butylbenzene
 Concen: 21.043 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	289778		
134	21.9	10.5	31.5	

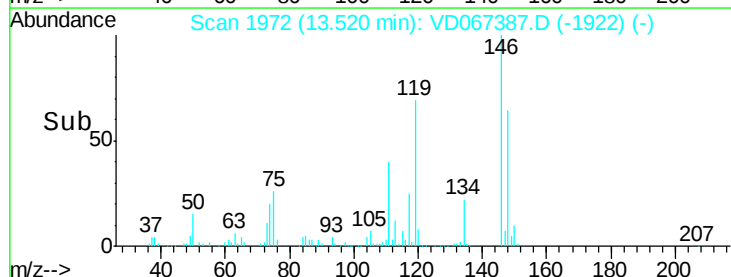
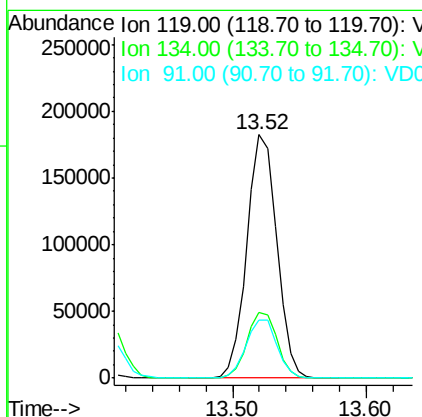
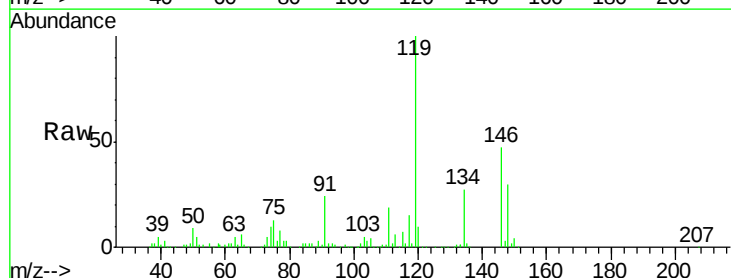
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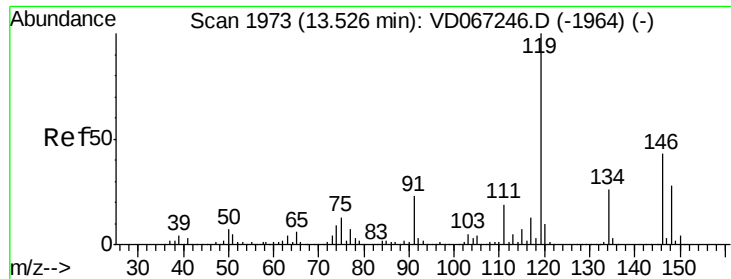
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#86
 p-Isopropyltoluene
 Concen: 21.677 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	281754		
134	27.2	13.1	39.3	
91	24.8	11.9	35.9	





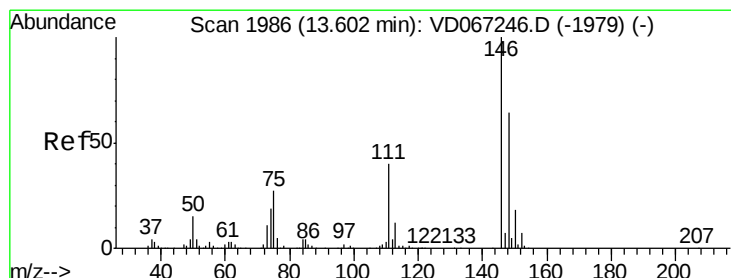
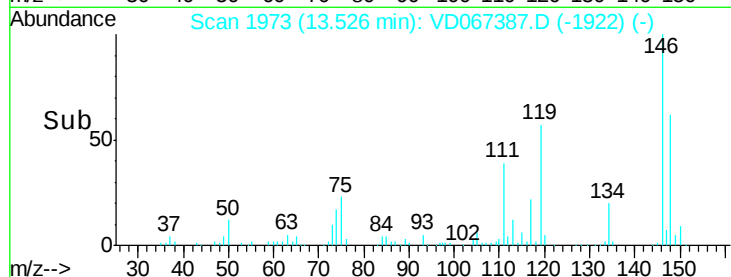
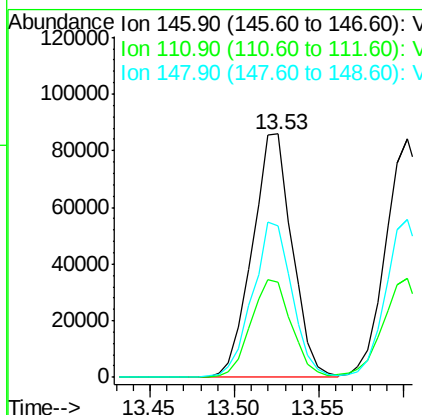
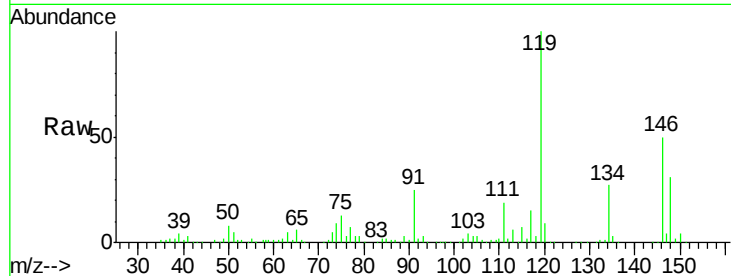
#87
 1,3-Dichlorobenzene
 Concen: 21.581 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	141586		
111	40.8	21.1	63.3	
148	63.2	31.9	95.9	

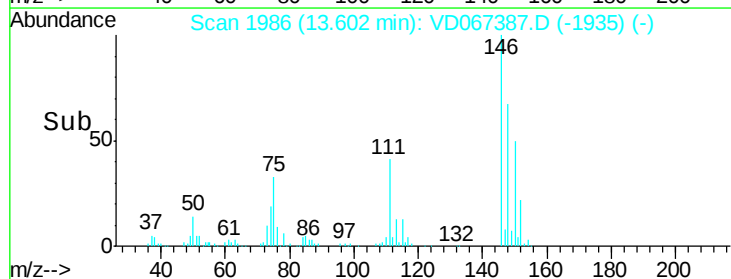
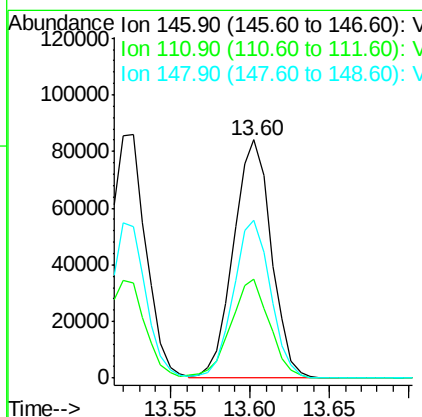
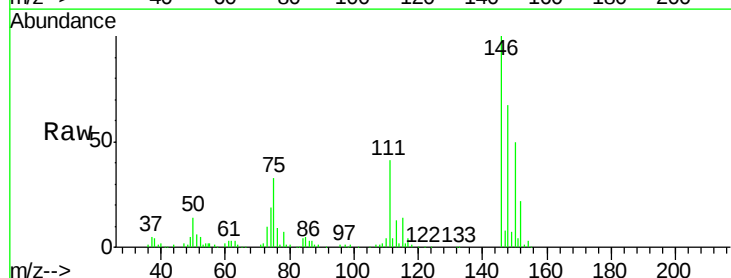
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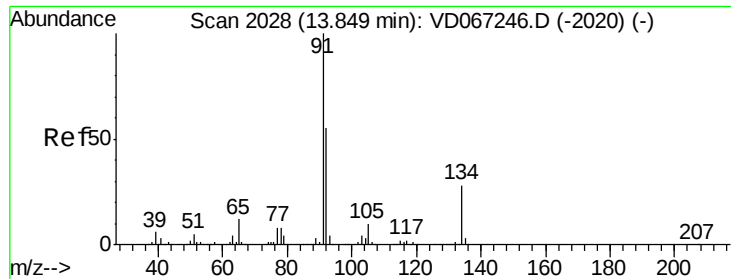
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#88
 1,4-Dichlorobenzene
 Concen: 21.438 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	139348		
111	42.7	19.9	59.7	
148	65.0	31.9	95.9	





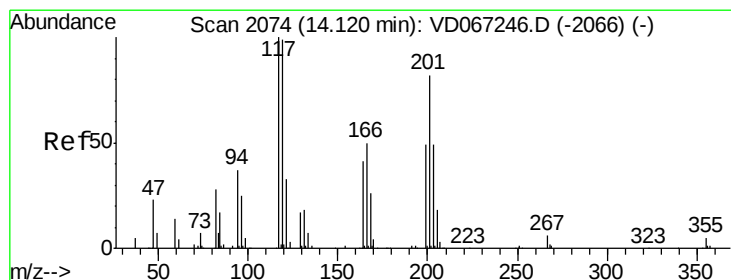
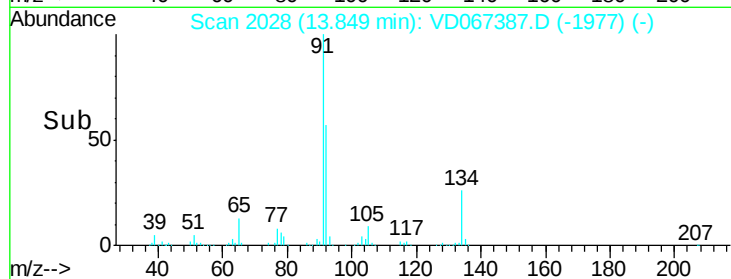
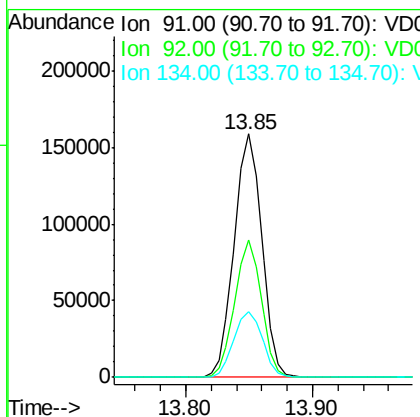
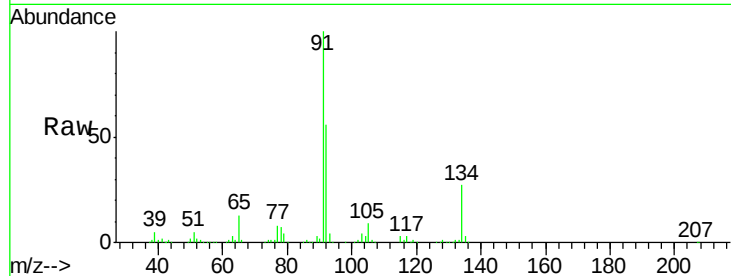
#89
n-Butylbenzene
Concen: 20.976 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	26.7	80.0
134	28.0	14.2	42.6

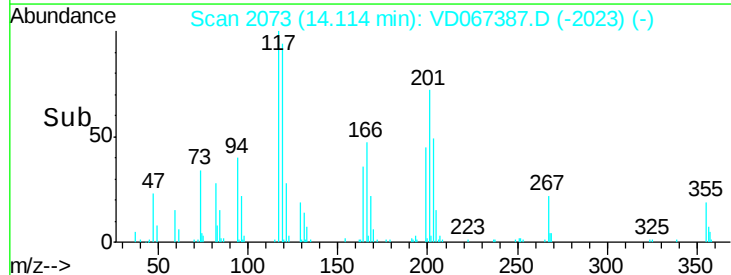
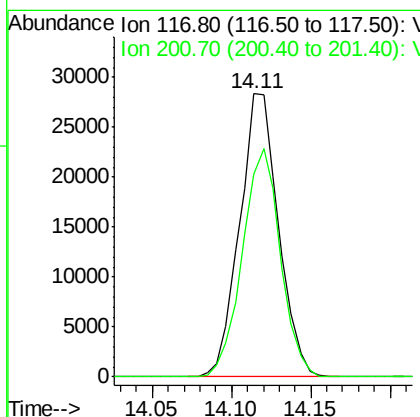
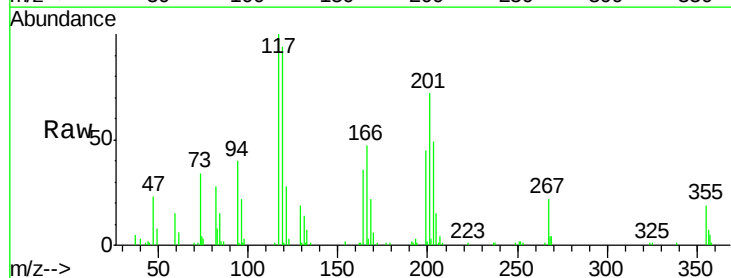
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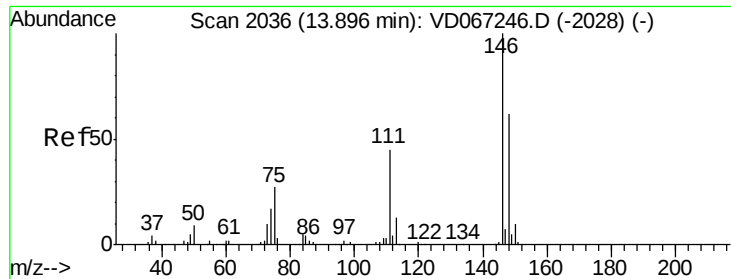
MMDadoda
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#90
Hexachloroethane
Concen: 21.314 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.5	40.8	122.2





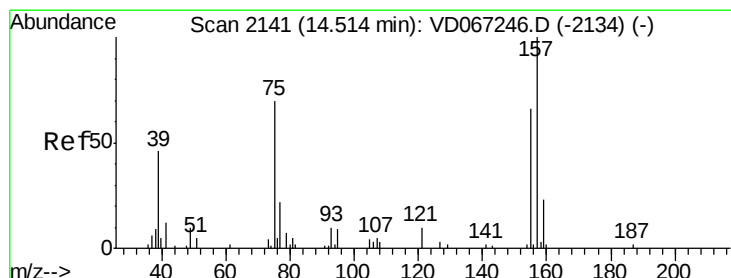
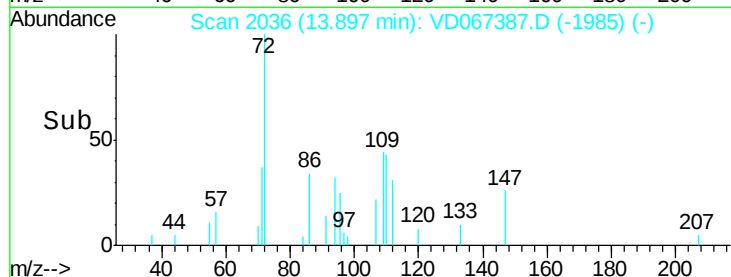
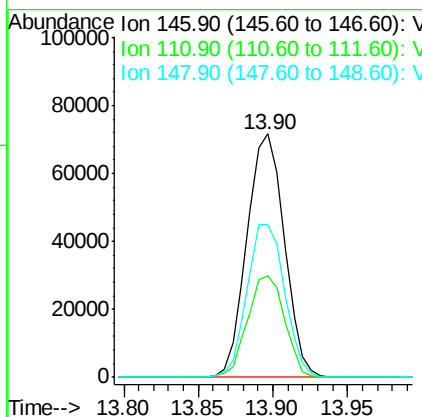
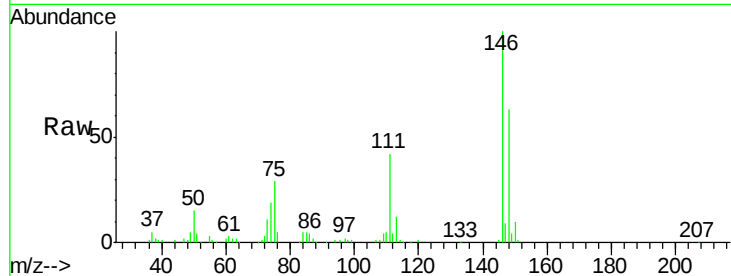
#91
 1,2-Dichlorobenzene
 Concen: 21.663 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	22.0	66.0
148	63.3	32.5	97.5

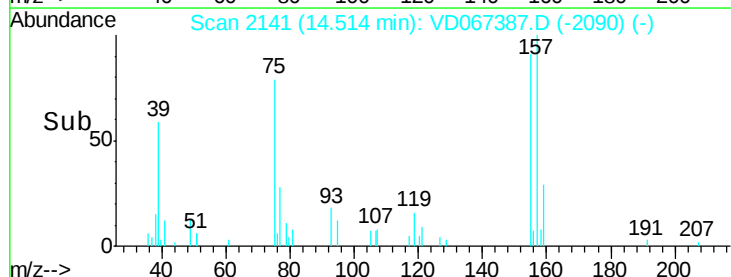
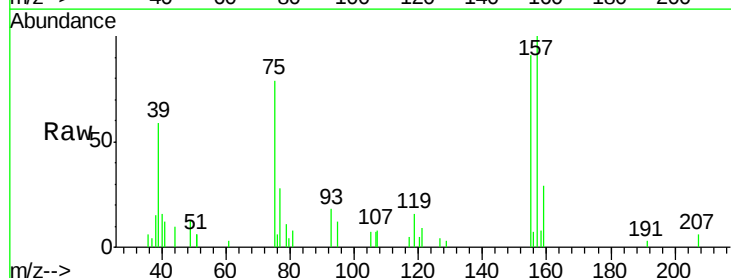
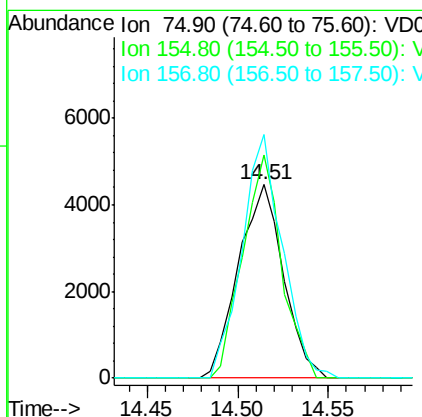
Manual Integrations
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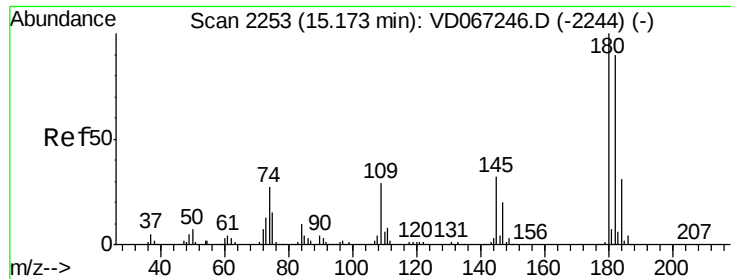
MMDadoda
 10/27/2020 11:45:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.253 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.6	44.8	134.4
157	113.1	62.5	187.4





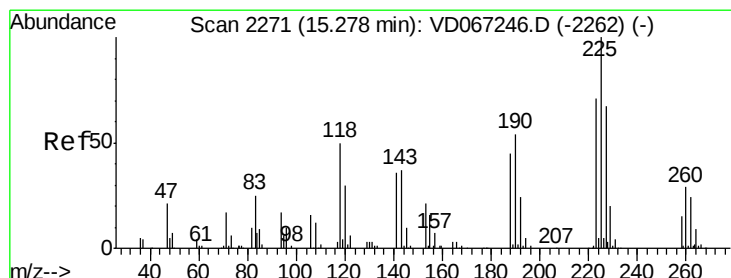
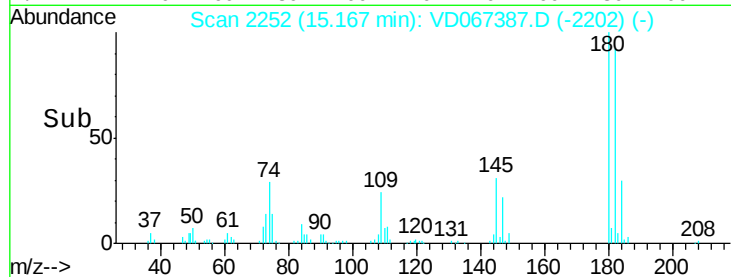
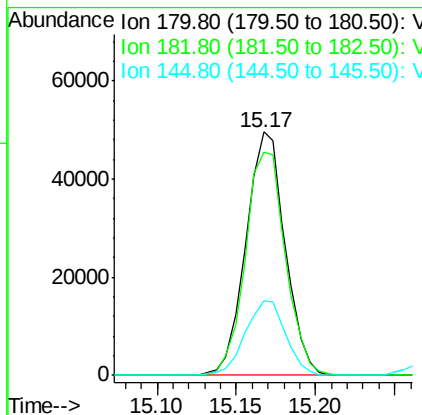
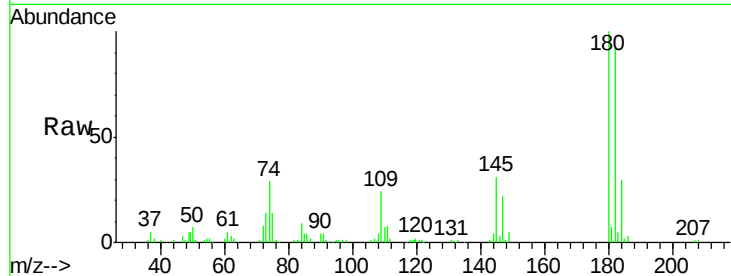
#93
 1,2,4-Trichlorobenzene
 Concen: 22.025 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.1	144.4
145	31.7	16.3	48.9

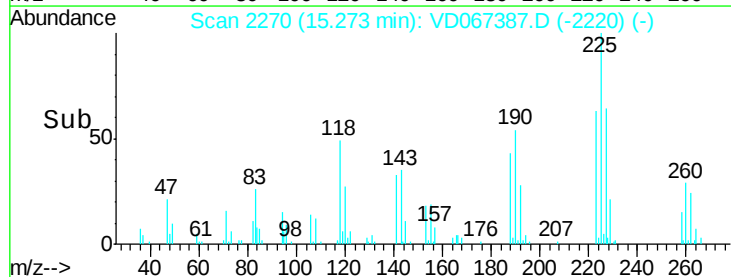
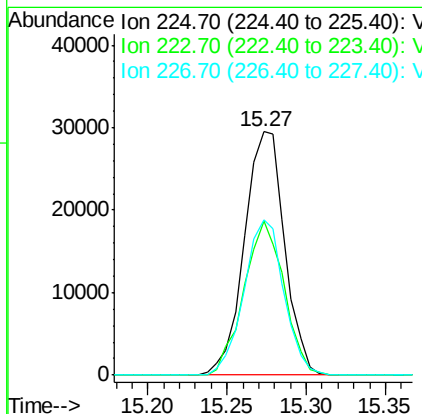
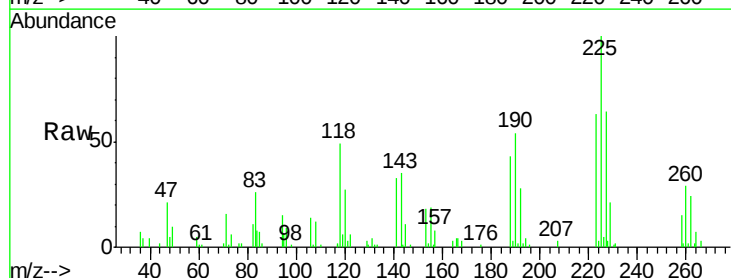
Manual Integrations
 APPROVED

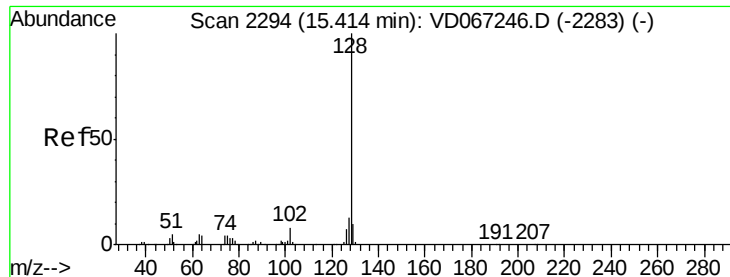
MMDadoda
 10/27/2020 11:45:52 AM



#94
 Hexachlorobutadiene
 Concen: 21.696 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067387.D
 Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.7
227	63.0	31.2	93.6





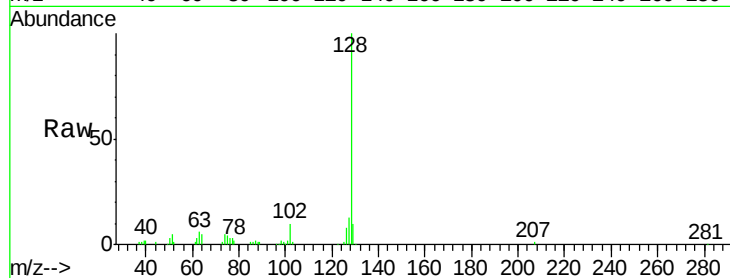
#95
Naphthalene
Concen: 21.478 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBSD01

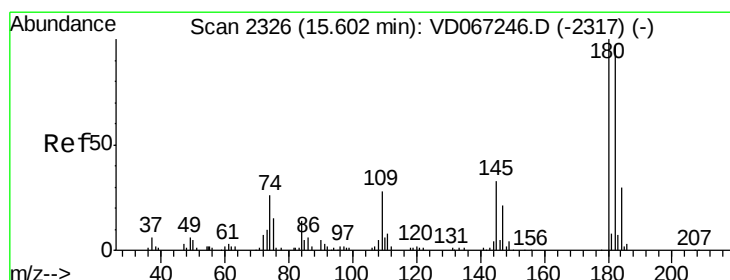
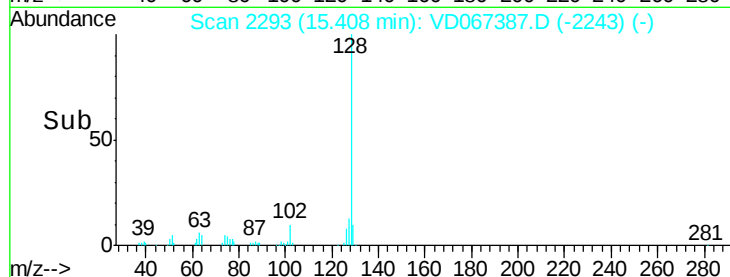
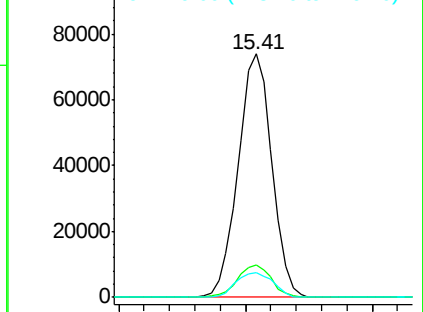
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/27/2020 11:45:52 AM

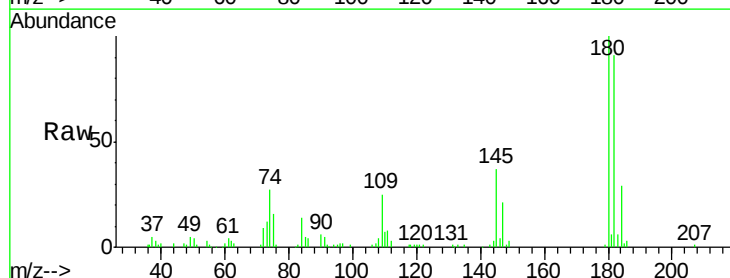


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.638 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067387.D
Acq: 26 Oct 2020 12:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	48.1	144.3
145	32.9	17.3	51.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

