

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067373.D
 Acq On : 23 Oct 2020 11:10
 Operator : VA/SY
 Sample : VD1023SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:37:40 PM

Quant Time: Oct 24 07:31:46 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	7.98	168	305770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	448386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	416978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214212	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	157645	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
35) Dibromofluoromethane	7.92	113	159771	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
50) Toluene-d8	10.34	98	580086	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
62) 4-Bromofluorobenzene	12.64	95	201881	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54371	19.484	ug/l	92
3) Chloromethane	2.21	50	39539	20.547	ug/l #	88
4) Vinyl Chloride	2.35	62	43990	20.834	ug/l	98
5) Bromomethane	2.76	94	33444	21.419	ug/l	95
6) Chloroethane	2.92	64	27227	20.706	ug/l	97
7) Trichlorofluoromethane	3.27	101	110716	20.824	ug/l	99
8) Diethyl Ether	3.71	74	23691	19.473	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	59842	21.185	ug/l	98
10) Methyl Iodide	4.30	142	48925	18.776	ug/l	96
11) Tert butyl alcohol	5.21	59	16149	68.246	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	50793	20.127	ug/l	94
13) Acrolein	3.92	56	8780	65.465	ug/l	90
14) Allyl chloride	4.71	41	56526	19.559	ug/l	94
15) Acrylonitrile	5.43	53	43548	107.274	ug/l	96
16) Acetone	4.16	43	44261	103.167	ug/l #	88
17) Carbon Disulfide	4.41	76	139383	19.374	ug/l	98
18) Methyl Acetate	4.71	43	19906	20.342	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	99411	19.811	ug/l	97
20) Methylene Chloride	4.96	84	60745	19.353	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	58983	20.310	ug/l	94
22) Diisopropyl ether	6.36	45	115054	21.794	ug/l	95
23) Vinyl Acetate	6.30	43	310793	103.477	ug/l	99
24) 1,1-Dichloroethane	6.27	63	96788	21.418	ug/l	96
25) 2-Butanone	7.21	43	49634	101.492	ug/l	99
26) 2,2-Dichloropropane	7.21	77	97451	20.921	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	65398	20.547	ug/l	97
28) Bromochloromethane	7.55	49	30540	19.813	ug/l	98
29) Tetrahydrofuran	7.57	42	27642	101.681	ug/l	95
30) Chloroform	7.71	83	118275	21.909	ug/l	97
31) Cyclohexane	7.98	56	71487	20.261	ug/l	90
32) 1,1,1-Trichloroethane	7.90	97	115761	21.855	ug/l	98
36) 1,1-Dichloropropene	8.11	75	81277	21.387	ug/l	100
37) Ethyl Acetate	7.30	43	25147	22.490	ug/l	96
38) Carbon Tetrachloride	8.10	117	109002	22.441	ug/l	95

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 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	85479	21.515	ug/l	97
40) Benzene	8.36	78	232718	22.321	ug/l	98
41) Methacrylonitrile	7.54	41	14843m	24.565	ug/l	
42) 1,2-Dichloroethane	8.43	62	69054	21.164	ug/l	99
43) Isopropyl Acetate	8.46	43	46510	20.963	ug/l	97
44) Trichloroethene	9.11	130	74567	22.338	ug/l	90
45) 1,2-Dichloropropane	9.40	63	52814	21.858	ug/l	97
46) Dibromomethane	9.48	93	32194	21.385	ug/l	97
47) Bromodichloromethane	9.67	83	90755	22.500	ug/l	95
48) Methyl methacrylate	9.46	41	20602	19.108	ug/l	96
49) 1,4-Dioxane	9.47	88	5719	373.524	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	114635	103.591	ug/l	99
52) Toluene	10.41	92	159229	22.423	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	74866	21.129	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	88630	21.374	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	43008	20.950	ug/l	97
56) Ethyl methacrylate	10.67	69	44364	20.837	ug/l	98
57) 1,3-Dichloropropane	10.95	76	71024	21.739	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	114052	104.422	ug/l	98
59) 2-Hexanone	10.99	43	81617	107.934	ug/l	98
60) Dibromochloromethane	11.14	129	67617	22.585	ug/l	99
61) 1,2-Dibromoethane	11.25	107	43788	21.636	ug/l	99
64) Tetrachloroethene	10.88	164	66647	22.060	ug/l	98
65) Chlorobenzene	11.67	112	175239	21.916	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	70434	22.163	ug/l	98
67) Ethyl Benzene	11.75	91	302705	22.084	ug/l	97
68) m/p-Xylenes	11.86	106	239748	45.422	ug/l	96
69) o-Xylene	12.18	106	104079	21.294	ug/l	96
70) Styrene	12.20	104	184957	21.983	ug/l	99
71) Bromoform	12.37	173	38072	22.300	ug/l	# 98
73) Isopropylbenzene	12.48	105	301502	22.177	ug/l	99
74) N-amyl acetate	12.30	43	41659	20.288	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	44951	21.579	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	27809m	18.730	ug/l	
77) Bromobenzene	12.77	156	75631	22.314	ug/l	97
78) n-propylbenzene	12.83	91	347356	22.052	ug/l	98
79) 2-Chlorotoluene	12.91	91	198545	21.735	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	265176	22.445	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13599	20.771	ug/l	94
82) 4-Chlorotoluene	13.01	91	214628	22.137	ug/l	99
83) tert-Butylbenzene	13.23	119	220358	22.081	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	262424	22.474	ug/l	98
85) sec-Butylbenzene	13.41	105	301126	21.990	ug/l	99
86) p-Isopropyltoluene	13.52	119	286248	22.147	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	142946	21.911	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	144728	22.391	ug/l	99
89) n-Butylbenzene	13.85	91	240678	21.167	ug/l	100
90) Hexachloroethane	14.12	117	49620	22.000	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	123953	21.749	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7723	20.407	ug/l	94

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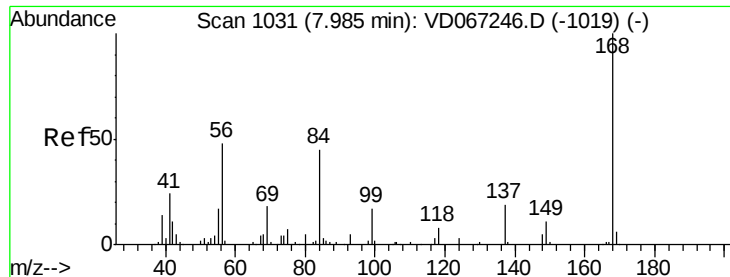
Manual Integrations
APPROVED

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10/26/2020 1:37:40 PM

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	83895	21.833	ug/l	99
94) Hexachlorobutadiene	15.27	225	56185	23.546	ug/l	95
95) Naphthalene	15.41	128	126178	20.000	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	71760	21.617	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion:168 Resp: 305770

Ion Ratio Lower Upper

168 100

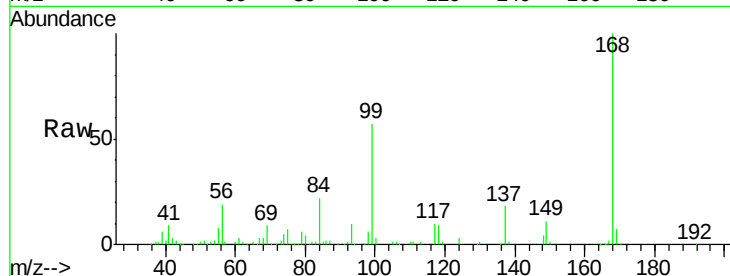
99 56.6 45.9 68.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

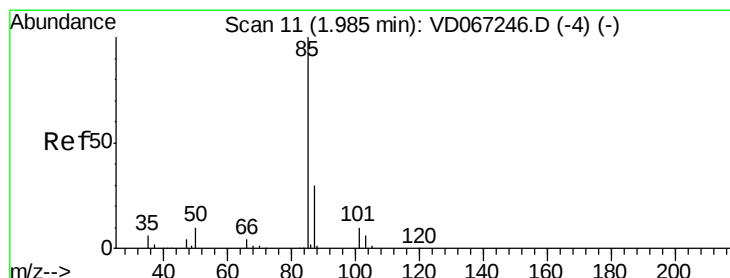
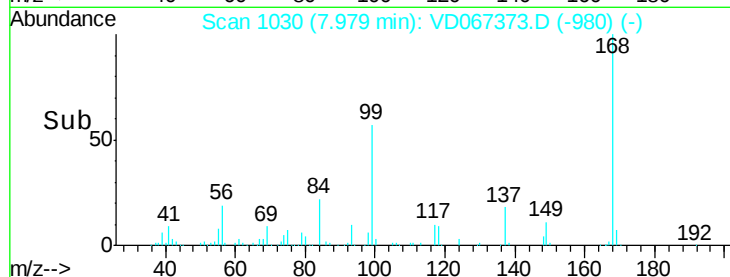
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.484 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067373.D

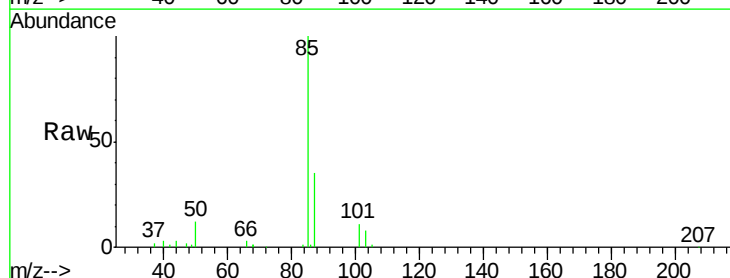
Acq: 23 Oct 2020 11:10

Tgt Ion: 85 Resp: 54371

Ion Ratio Lower Upper

85 100

87 34.6 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

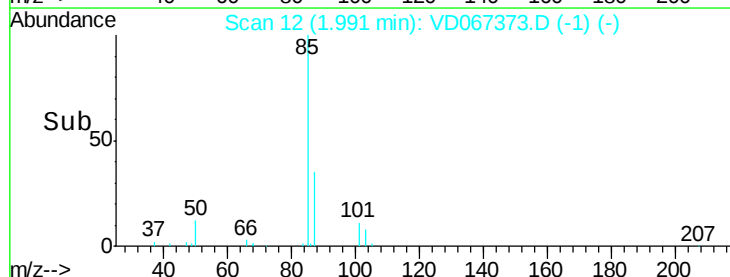
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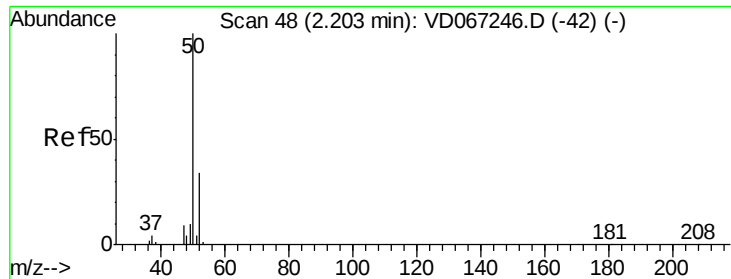
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0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.547 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion: 50 Resp: 39539

Ion Ratio Lower Upper

50 100

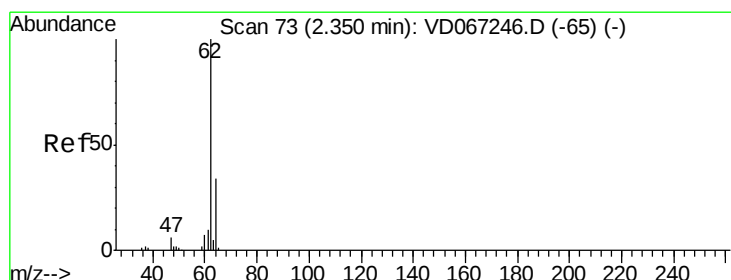
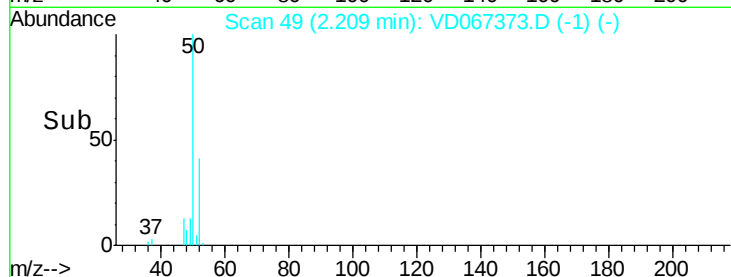
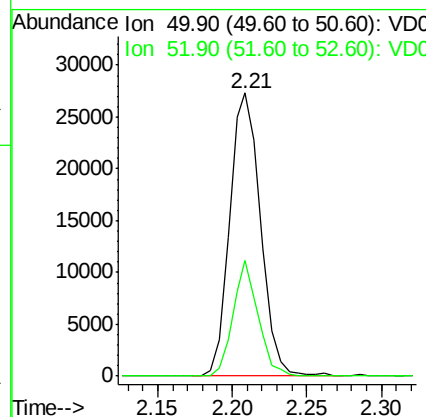
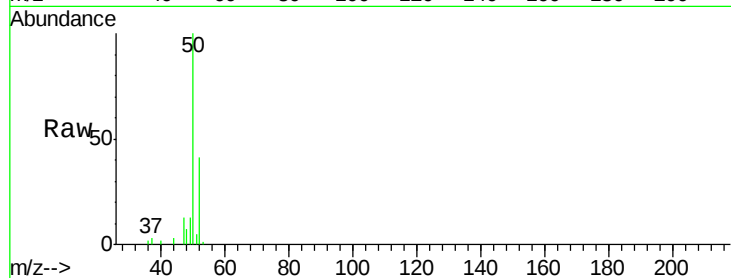
52 41.0 27.1 40.7#

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.834 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067373.D

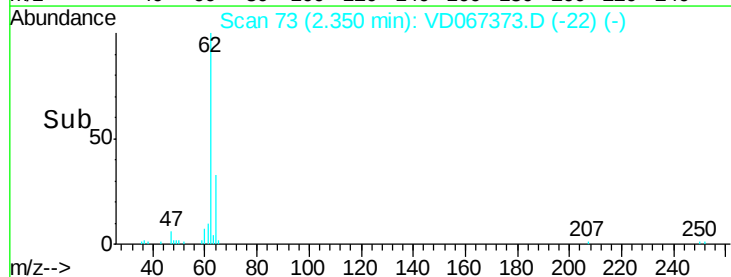
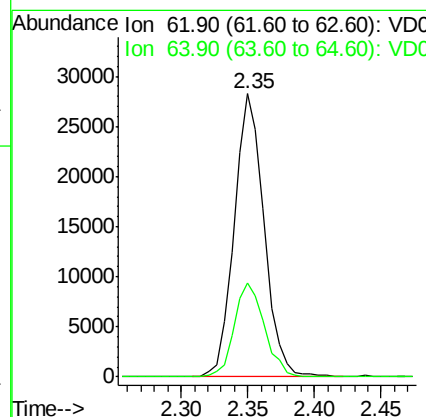
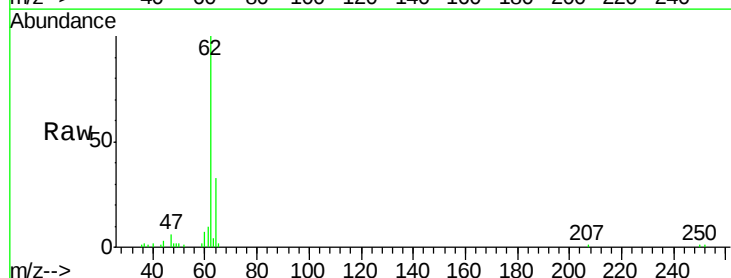
Acq: 23 Oct 2020 11:10

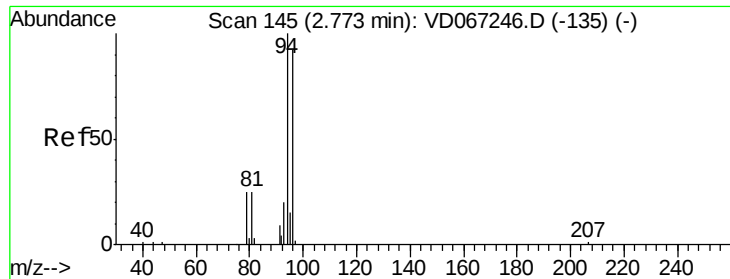
Tgt Ion: 62 Resp: 43990

Ion Ratio Lower Upper

62 100

64 33.2 27.4 41.0





#5

Bromomethane

Concen: 21.419 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion: 94 Resp: 33444

Ion Ratio Lower Upper

94 100

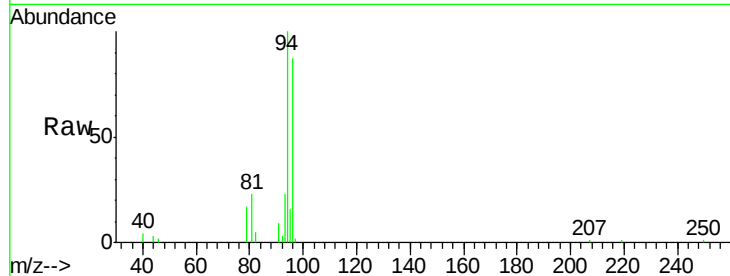
96 87.2 73.8 110.6

Manual Integrations

APPROVED

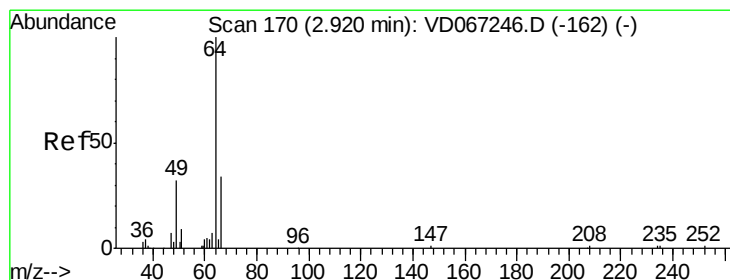
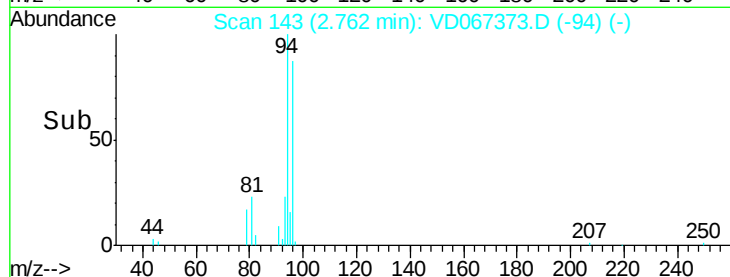
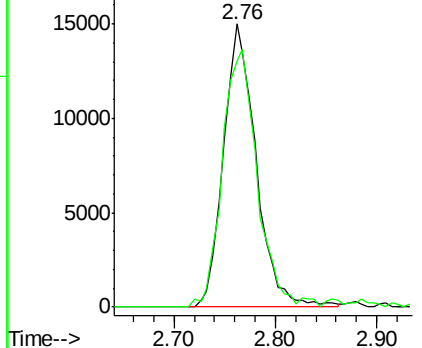
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.706 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067373.D

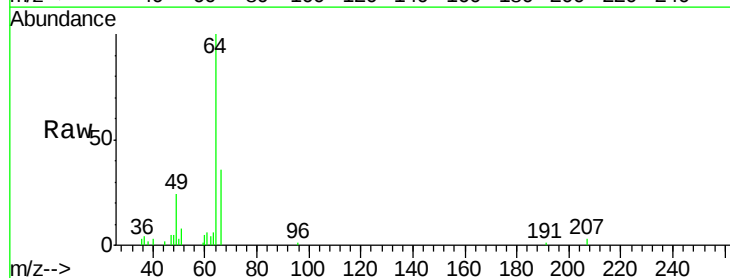
Acq: 23 Oct 2020 11:10

Tgt Ion: 64 Resp: 27227

Ion Ratio Lower Upper

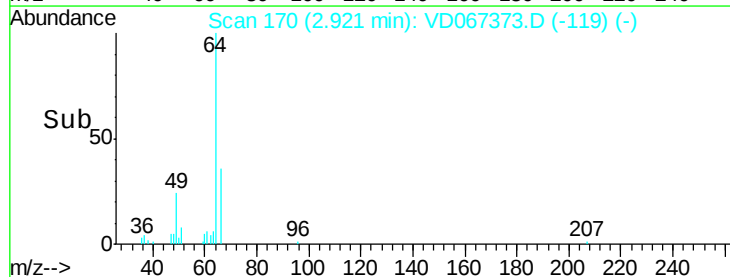
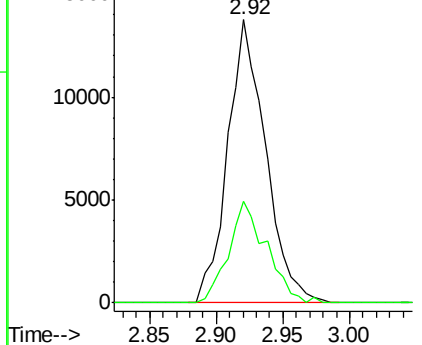
64 100

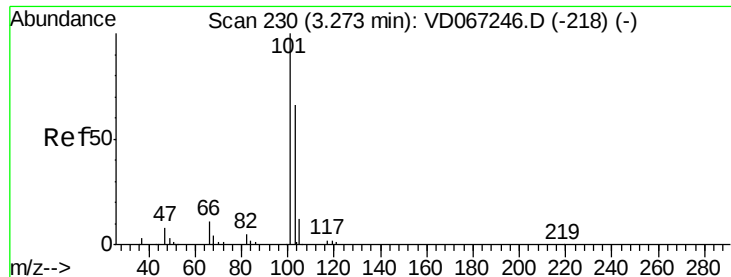
66 36.1 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

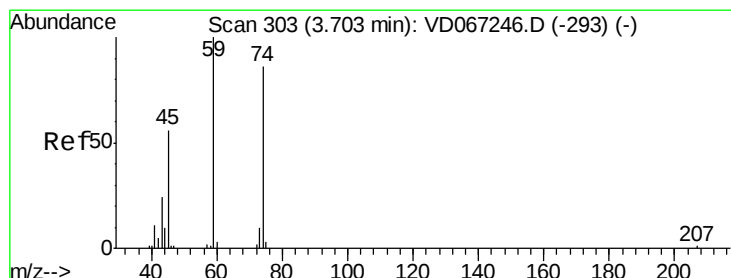
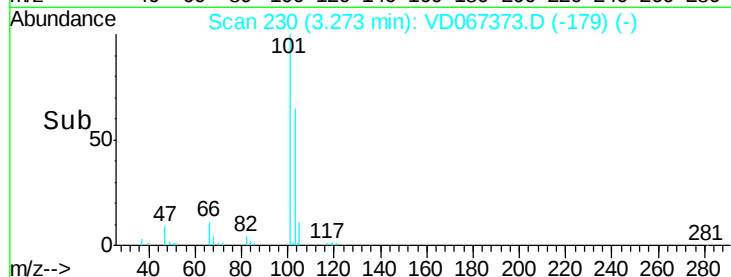
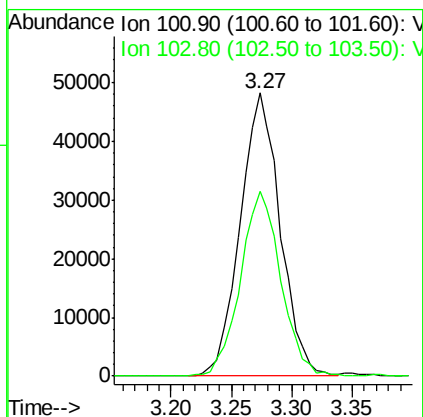
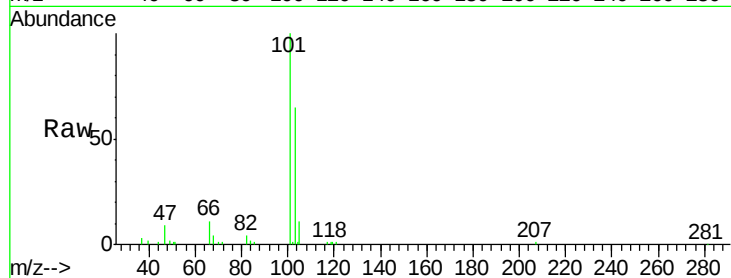
Trichlorofluoromethane
Concen: 20.824 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

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VD1023SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	53.1	79.7

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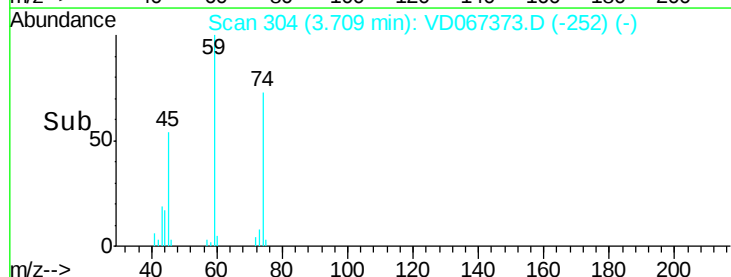
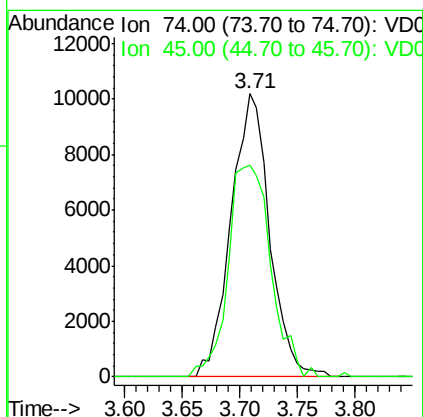
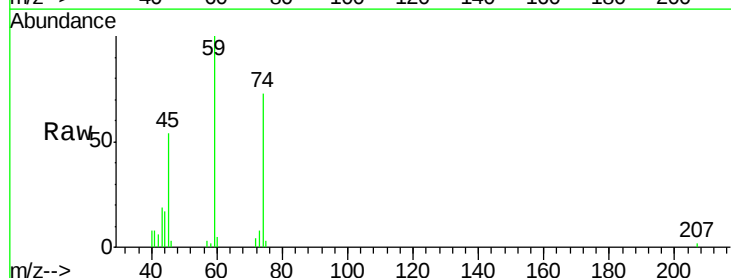
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10/26/2020 1:37:40 PM

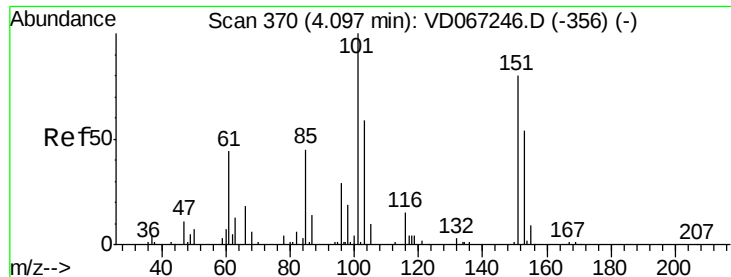


#8

Diethyl Ether
Concen: 19.473 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.4	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.185 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

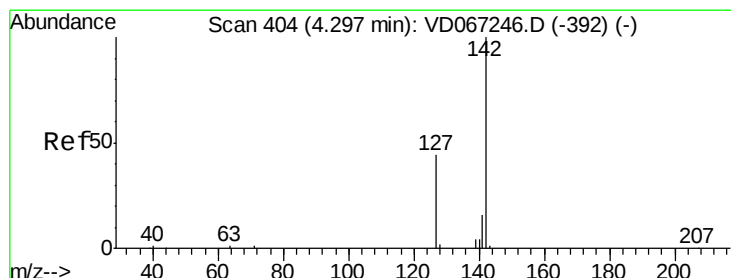
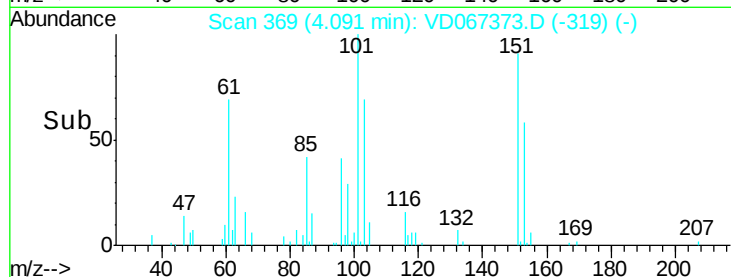
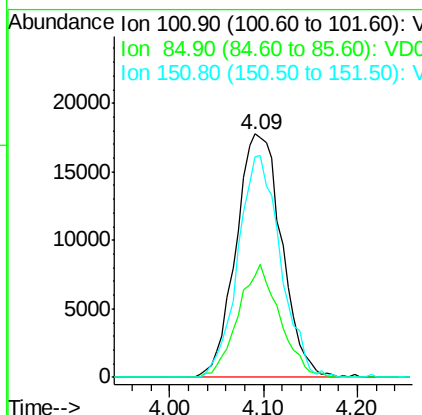
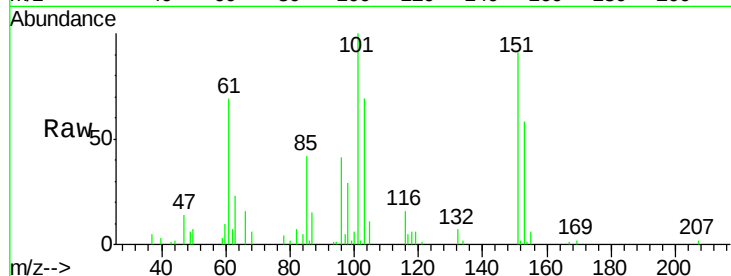
ClientSampleId :

VD1023SBS01

Tot Ion:	101	Resp:	59842
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	84.8	66.3	99.5

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#10

Methyl Iodide

Concen: 18.776 ug/l

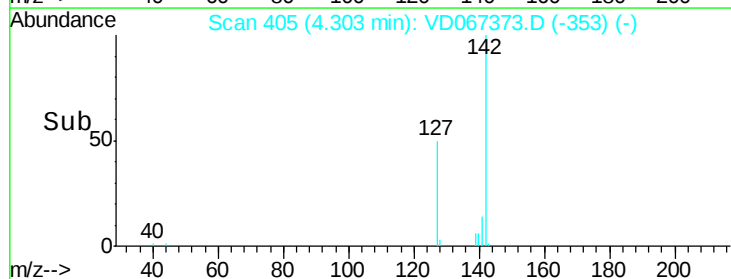
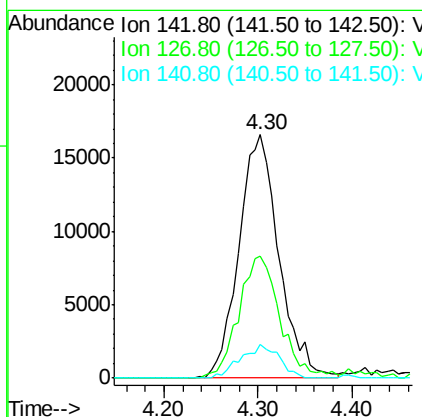
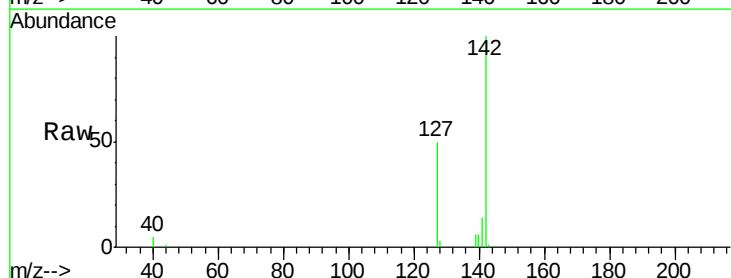
RT: 4.30 min Scan# 405

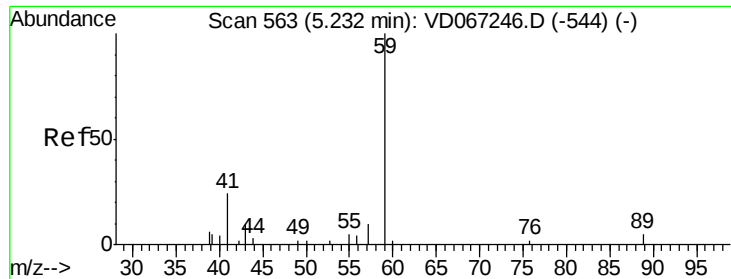
Delta R.T. 0.01 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Tgt Ion:	142	Resp:	48925
Ion Ratio	Lower	Upper	
142	100		
127	50.8	38.4	57.6
141	13.2	11.6	17.4





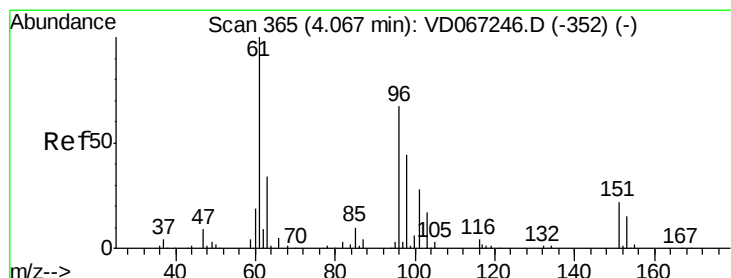
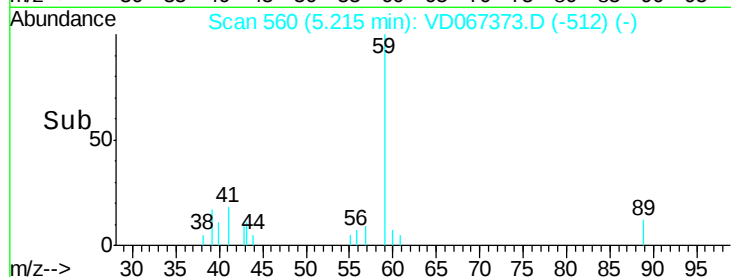
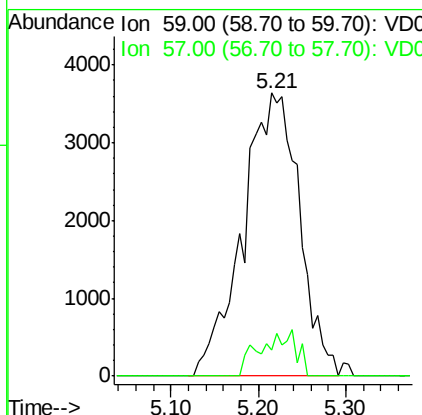
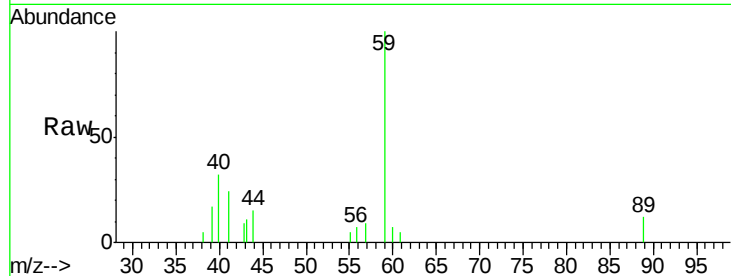
#11
Tert butyl alcohol
Concen: 68.246 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion: 59 Resp: 16149
Ion Ratio Lower Upper
59 100
57 0.0 5.1 7.7#

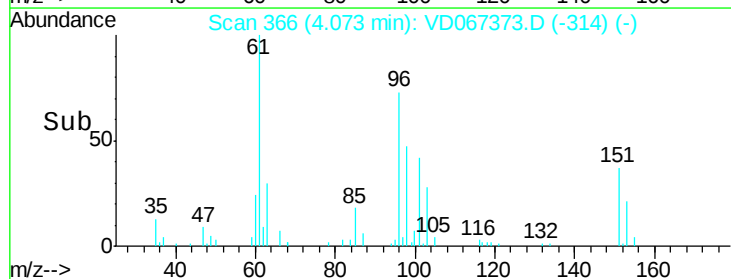
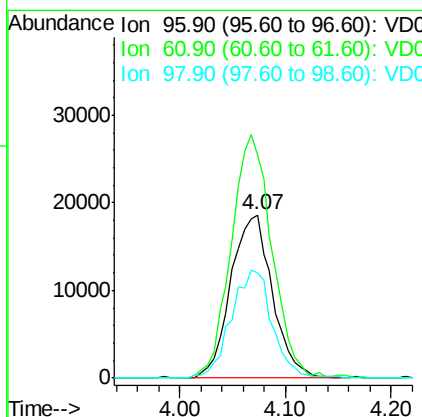
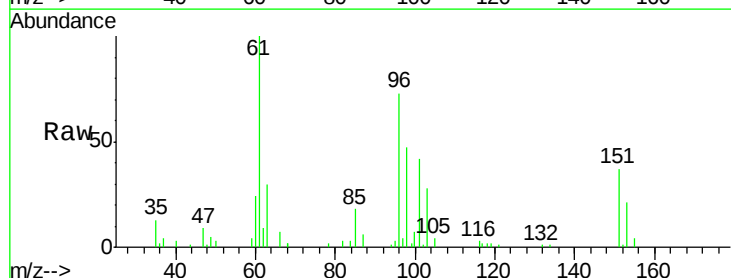
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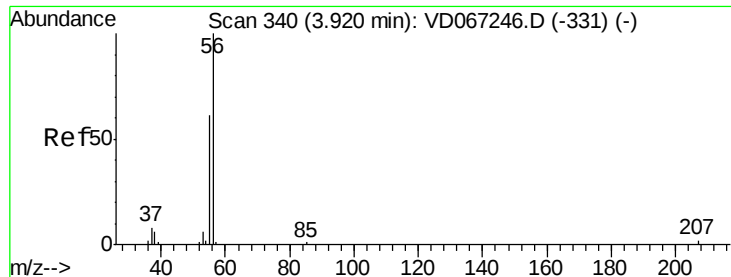
MMDadoda
10/26/2020 1:37:40 PM



#12
1,1-Dichloroethene
Concen: 20.127 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion: 96 Resp: 50793
Ion Ratio Lower Upper
96 100
61 137.2 118.6 177.8
98 64.6 51.8 77.6





#13

Acrolein

Concen: 65.465 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion: 56 Resp: 8780

Ion Ratio Lower Upper

56 100

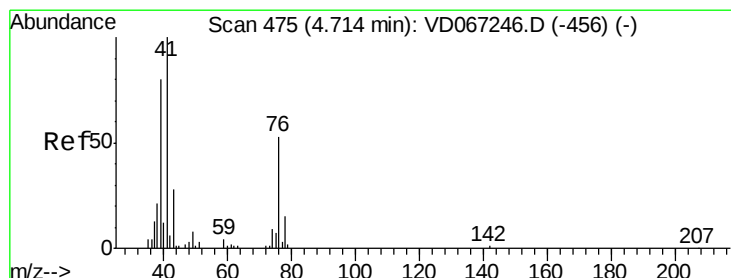
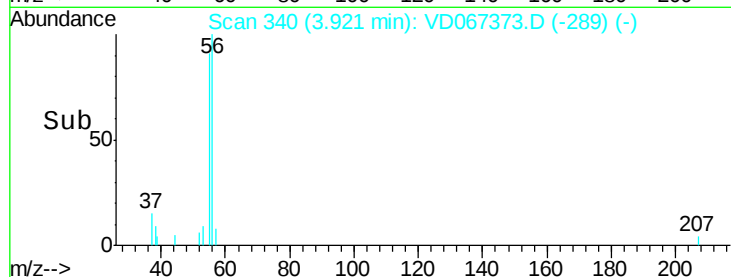
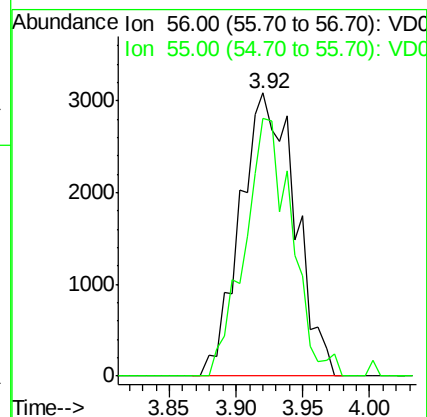
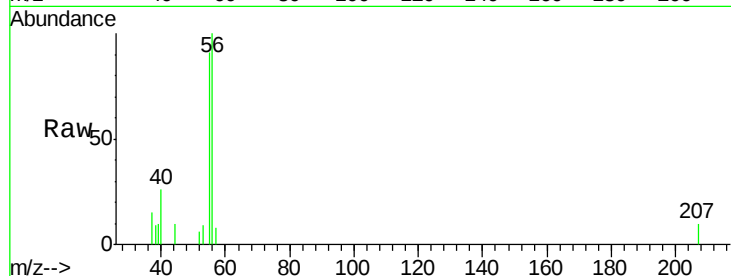
55 78.3 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.559 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

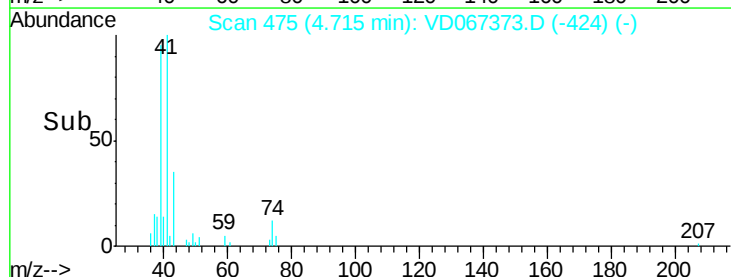
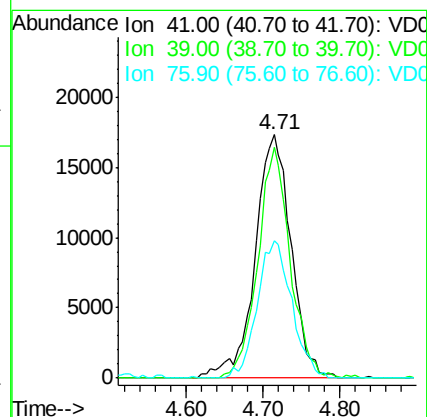
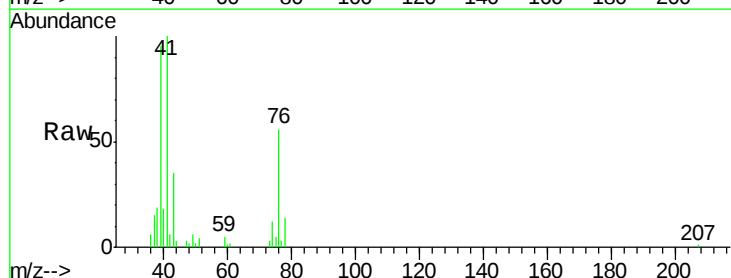
Tgt Ion: 41 Resp: 56526

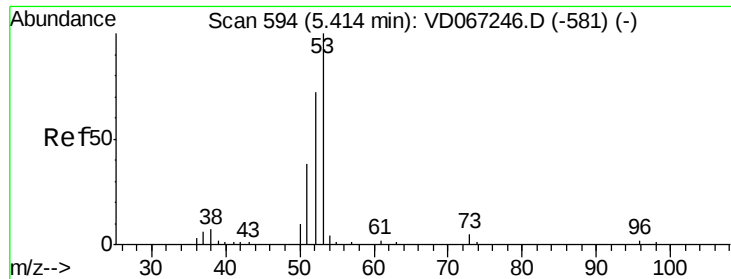
Ion Ratio Lower Upper

41 100

39 85.2 63.8 95.6

76 54.2 40.4 60.6





#15

Acrylonitrile

Concen: 107.274 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

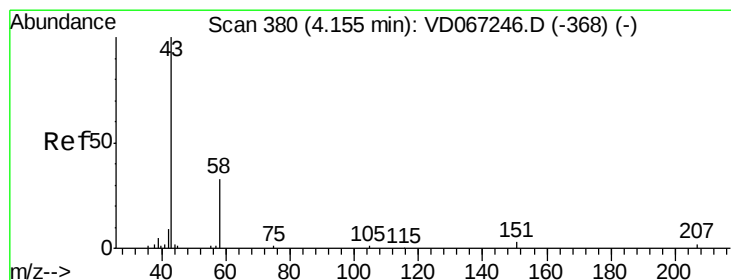
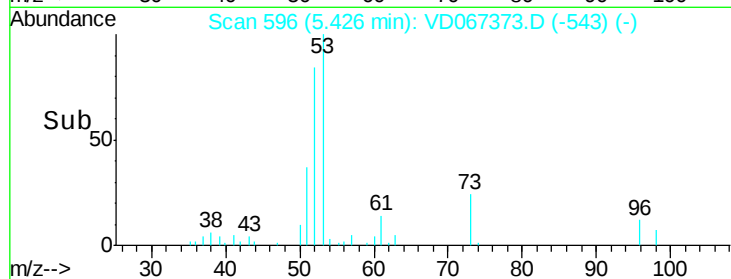
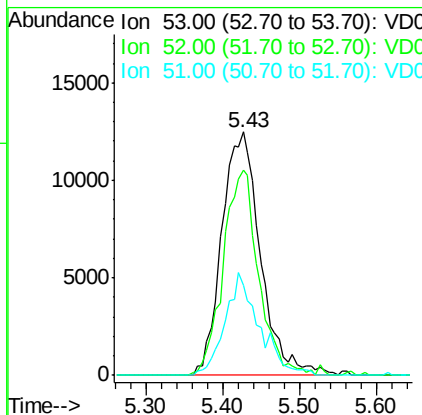
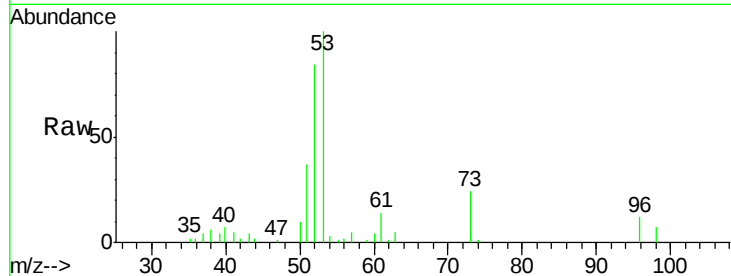
ClientSampleId :

VD1023SBS01

Tot Ion:	53	Resp:	43548
Ion	Ratio	Lower	Upper
53	100		
52	77.5	65.6	98.4
51	37.3	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 103.167 ug/l

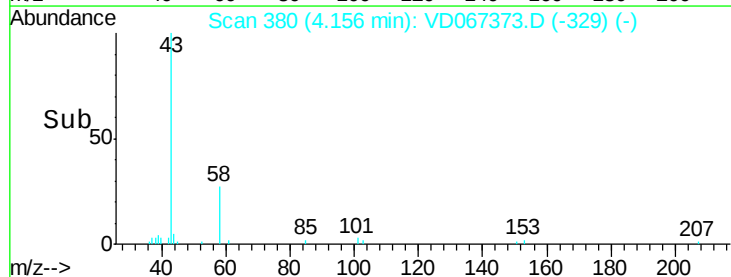
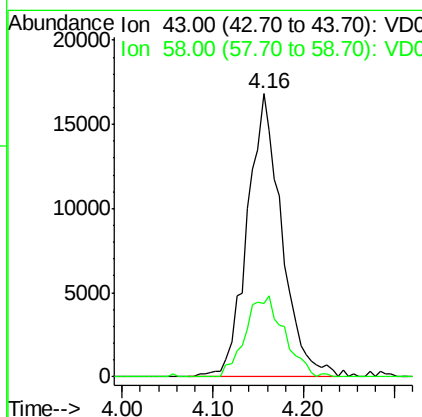
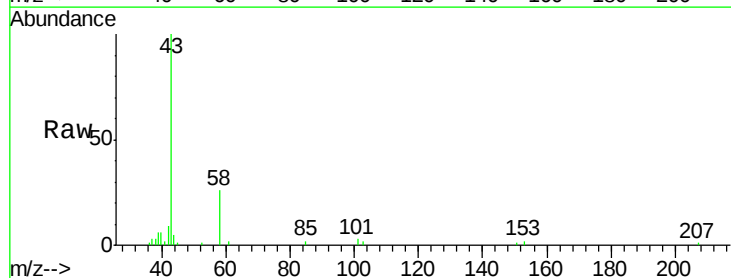
RT: 4.16 min Scan# 380

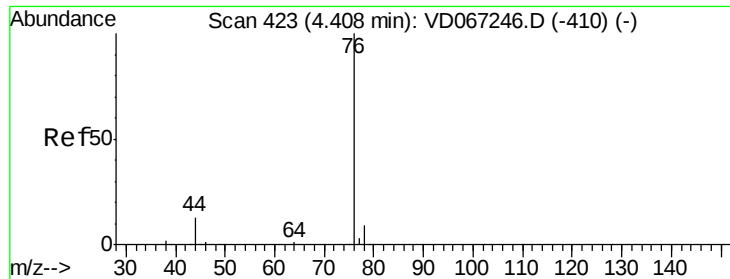
Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Tgt Ion:	43	Resp:	44261
Ion	Ratio	Lower	Upper
43	100		
58	26.1	26.1	39.1#





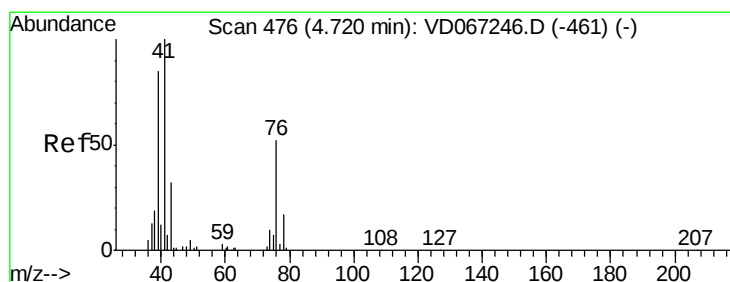
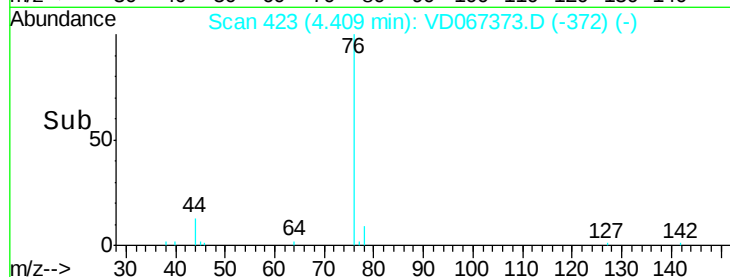
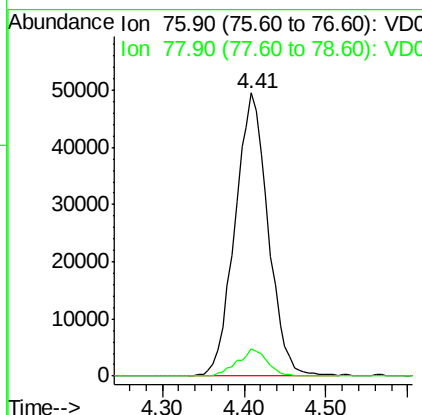
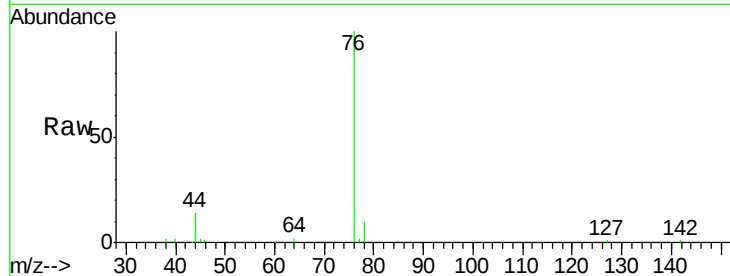
#17
Carbon Disulfide
Concen: 19.374 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion: 76 Resp: 139383
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0

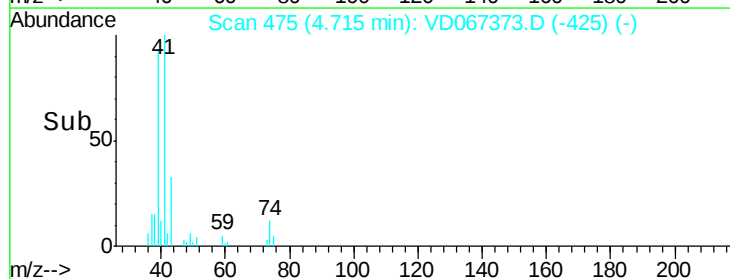
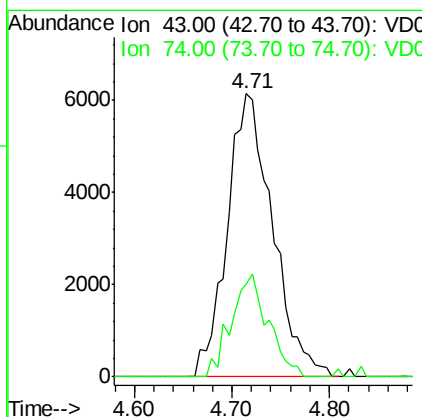
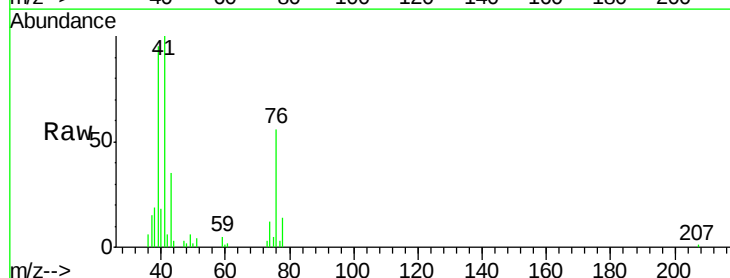
Manual Integrations
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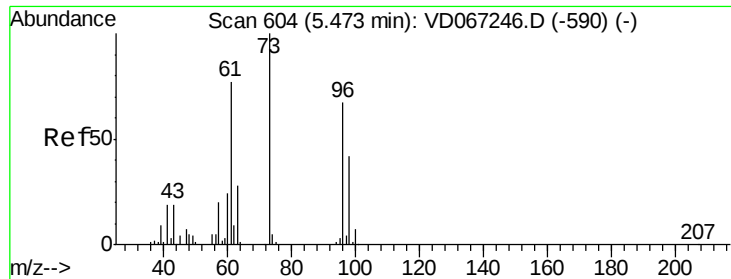
MMDadoda
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#18
Methyl Acetate
Concen: 20.342 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion: 43 Resp: 19906
Ion Ratio Lower Upper
43 100
74 29.5 26.6 39.8





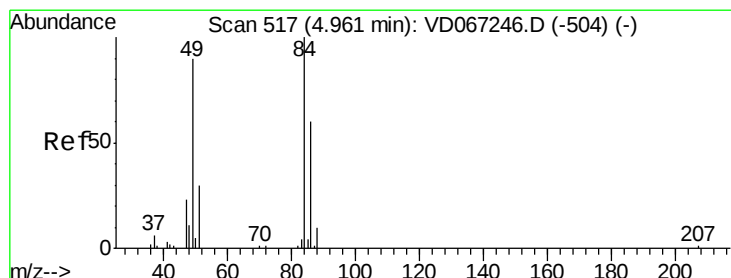
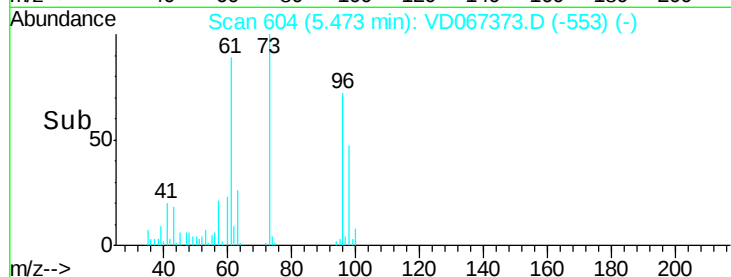
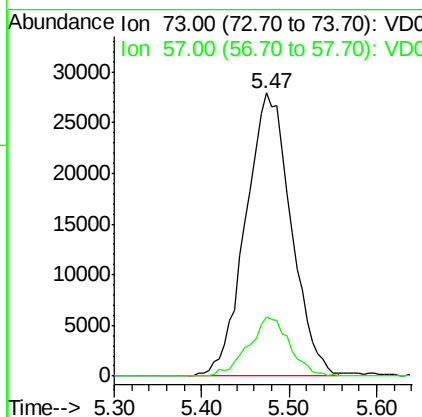
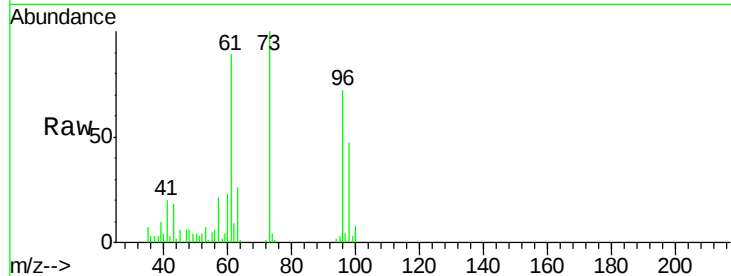
#19
Methyl tert-butyl Ether
Concen: 19.811 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion: 73 Resp: 99411
Ion Ratio Lower Upper
73 100
57 21.1 15.7 23.5

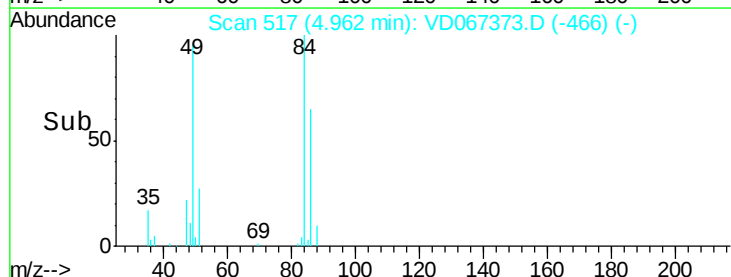
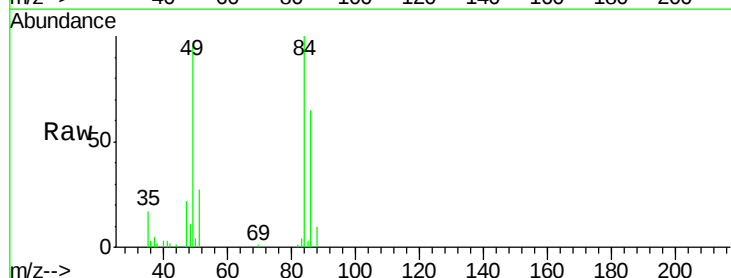
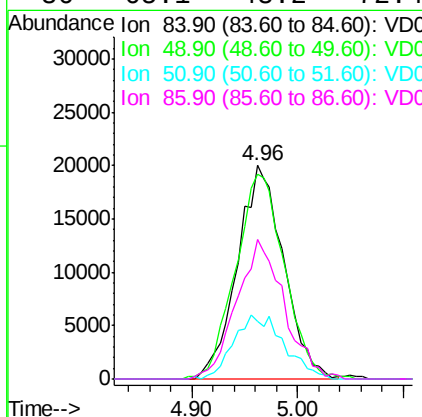
Manual Integrations
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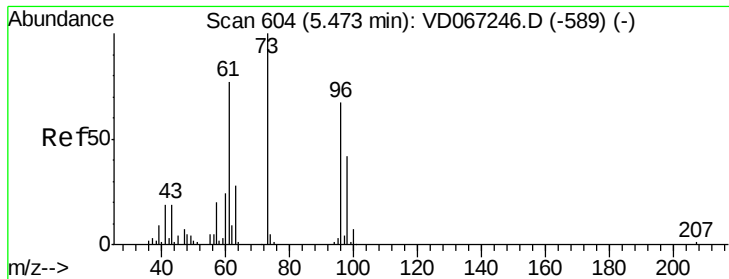
MMDadoda
10/26/2020 1:37:40 PM



#20
Methylene Chloride
Concen: 19.353 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion: 84 Resp: 60745
Ion Ratio Lower Upper
84 100
49 94.5 72.2 108.2
51 27.2 23.8 35.8
86 65.1 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.310 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

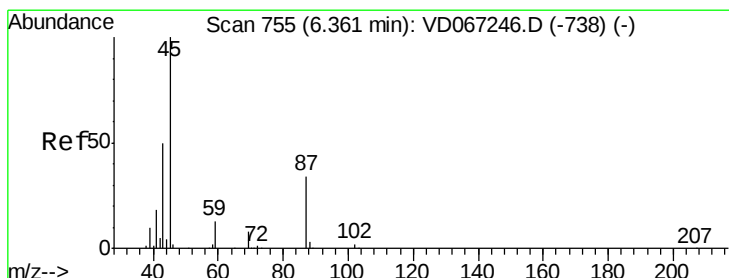
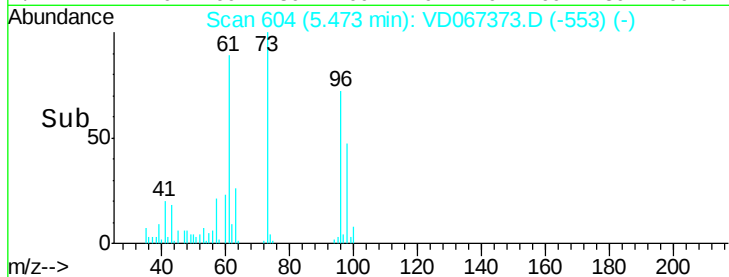
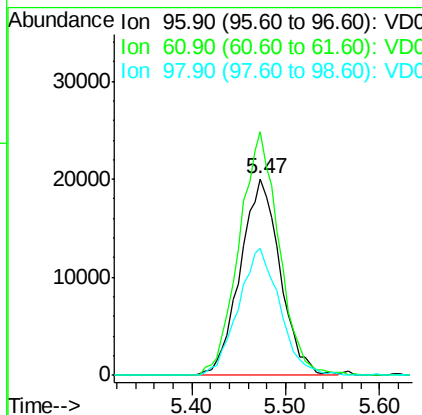
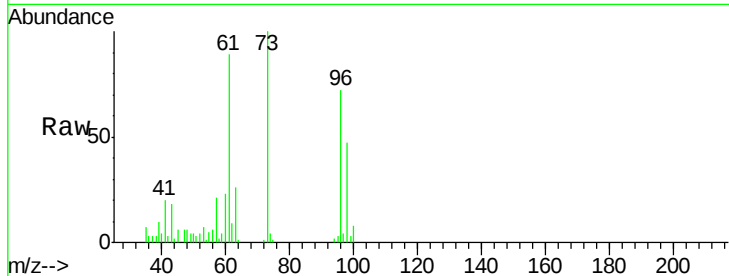
ClientSampleId :

VD1023SBS01

Tot Ion:	96	Resp:	58983
Ion	Ratio	Lower	Upper
96	100		
61	123.8	92.0	138.0
98	64.8	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.794 ug/l

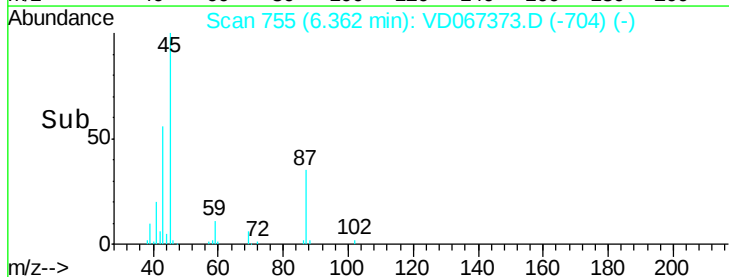
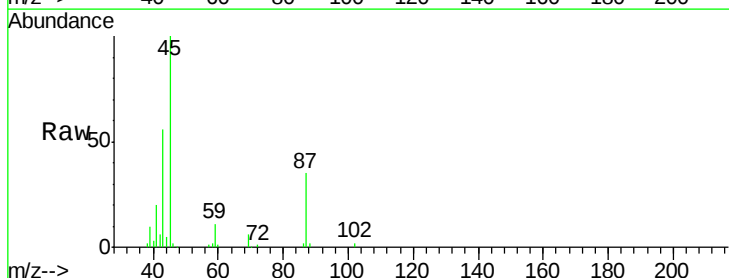
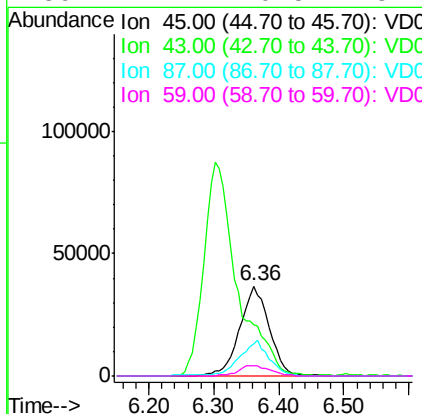
RT: 6.36 min Scan# 755

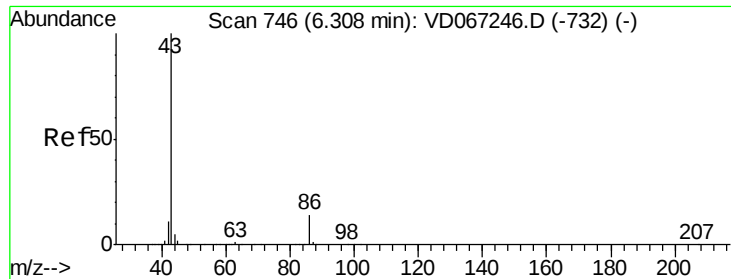
Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Tgt Ion:	45	Resp:	115054
Ion	Ratio	Lower	Upper
45	100		
43	54.5	48.0	72.0
87	35.4	28.5	42.7
59	11.2	10.5	15.7





#23

Vinyl Acetate

Concen: 103.477 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion: 43 Resp: 310793

Ion Ratio Lower Upper

43 100

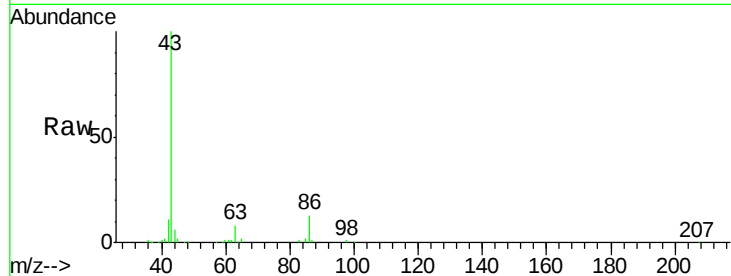
86 13.4 11.0 16.6

Manual Integrations

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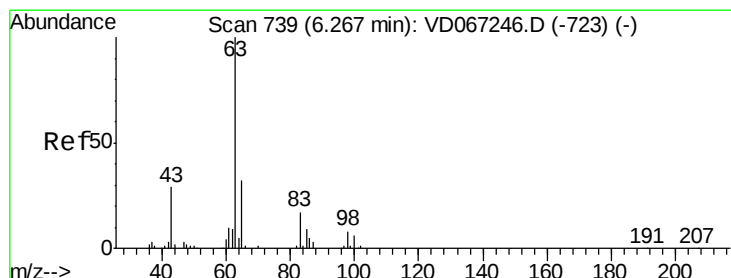
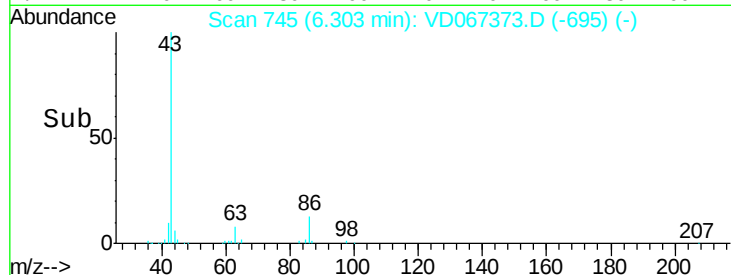
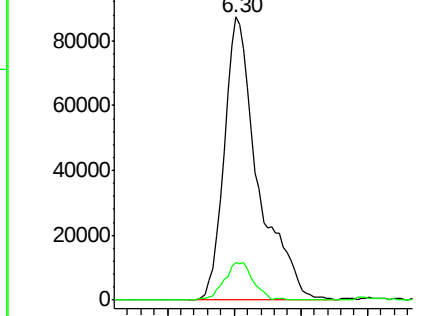
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.418 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

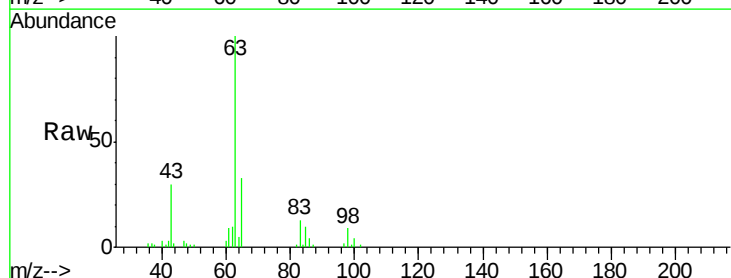
Tgt Ion: 63 Resp: 96788

Ion Ratio Lower Upper

63 100

98 9.2 4.0 12.2

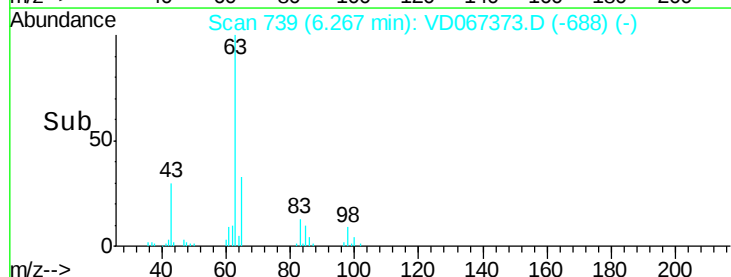
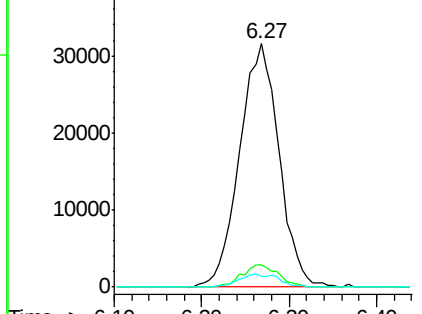
100 4.1 2.8 8.4

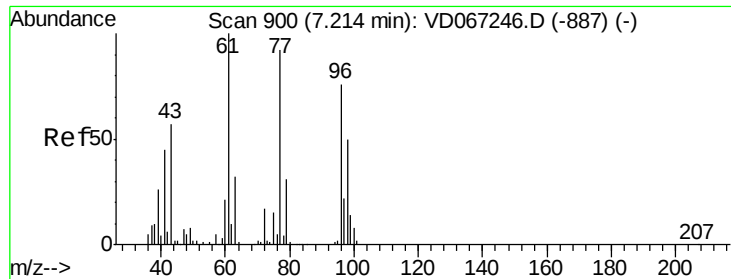


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 101.492 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion: 43 Resp: 49634

Ion Ratio Lower Upper

43 100

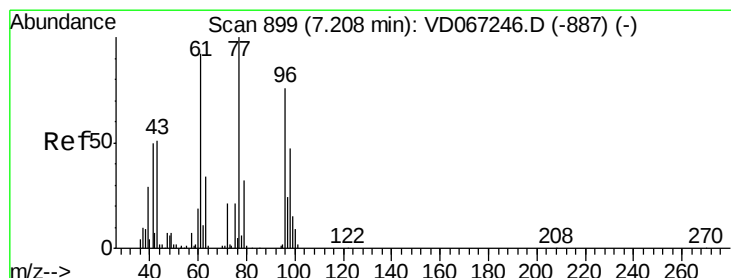
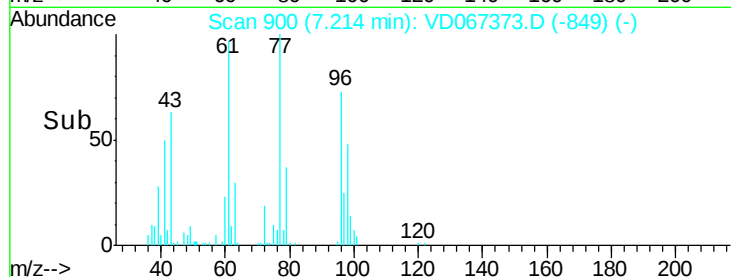
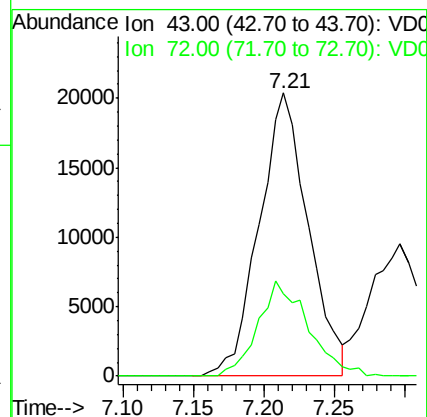
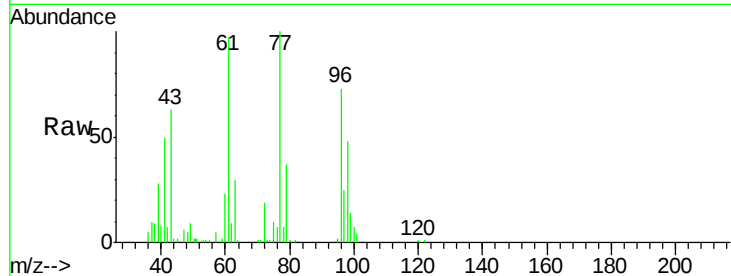
72 29.3 23.7 35.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.921 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067373.D

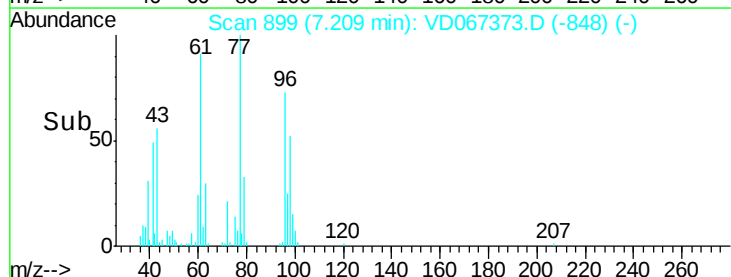
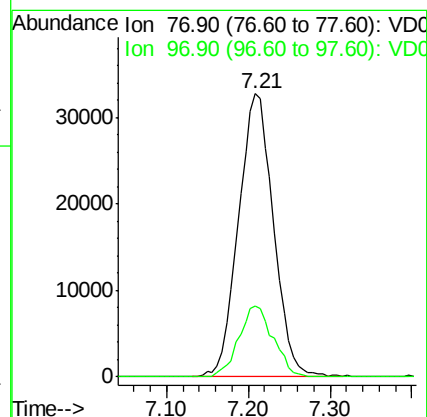
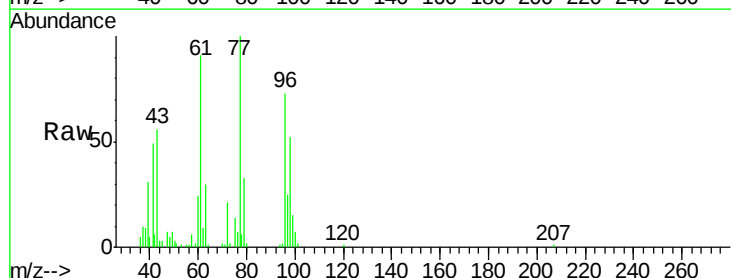
Acq: 23 Oct 2020 11:10

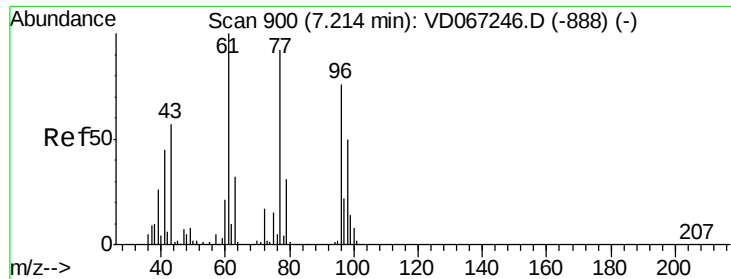
Tgt Ion: 77 Resp: 97451

Ion Ratio Lower Upper

77 100

97 24.6 11.4 34.2





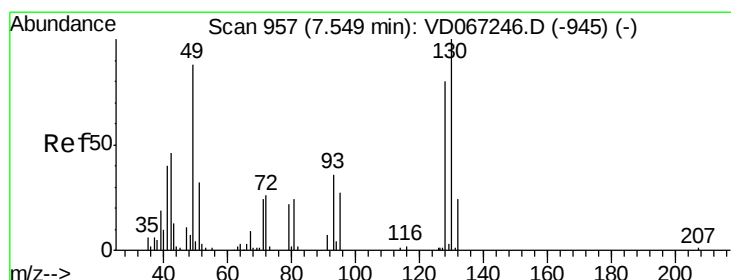
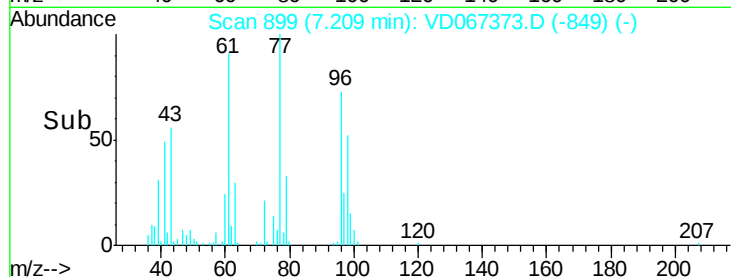
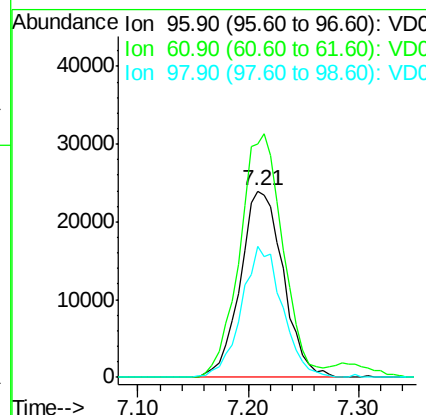
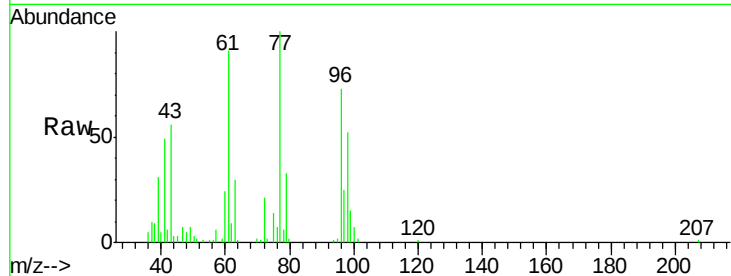
#27
 cis-1,2-Dichloroethene
 Concen: 20.547 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	65398		
61	131.5	0.0	255.4	
98	66.9	0.0	128.0	

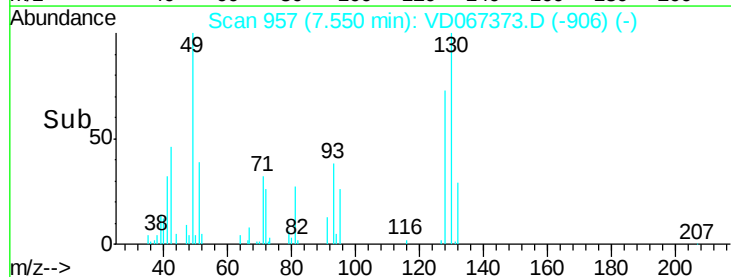
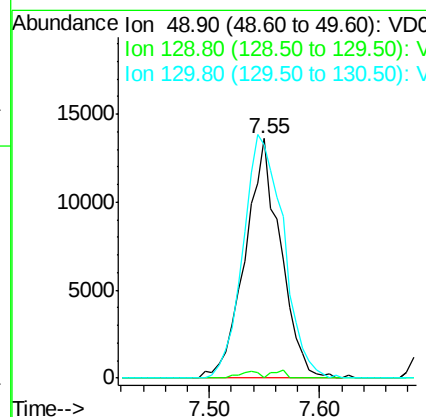
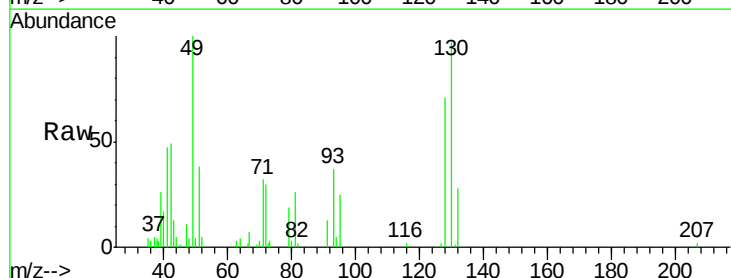
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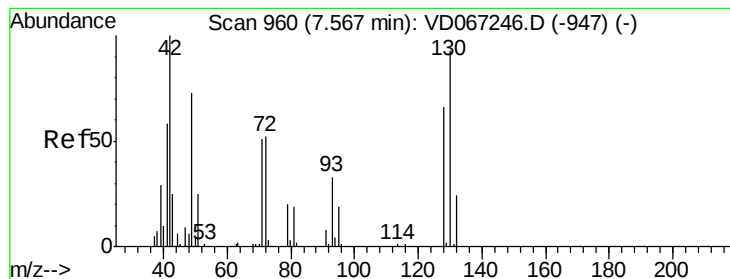
MMDadoda
 10/26/2020 1:37:40 PM



#28
 Bromochloromethane
 Concen: 19.813 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	30540		
129	1.6	0.0	1.6	
130	116.1	91.0	136.6	





#29

Tetrahydrofuran

Concen: 101.681 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

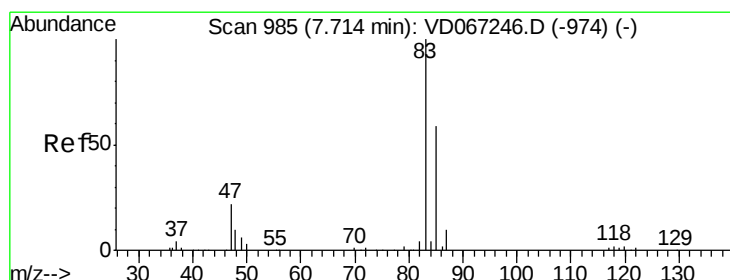
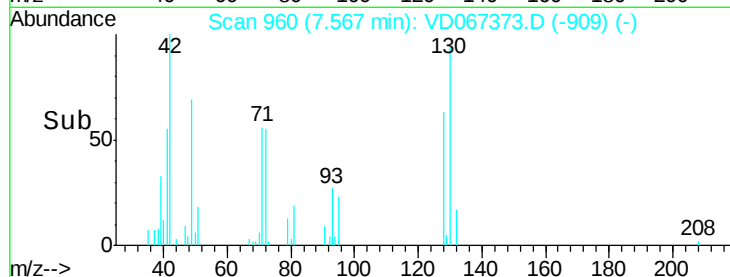
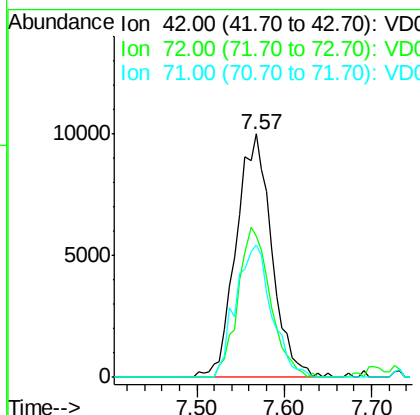
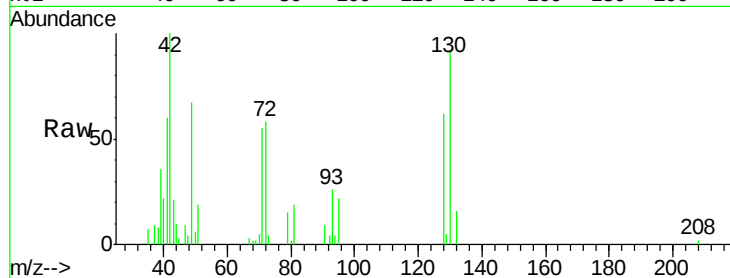
ClientSampleId :

VD1023SBS01

Tot Ion:	42	Resp:	27642
Ion	Ratio	Lower	Upper
42	100		
72	55.9	43.2	64.8
71	54.8	39.4	59.0

Manual Integrations
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#30

Chloroform

Concen: 21.909 ug/l

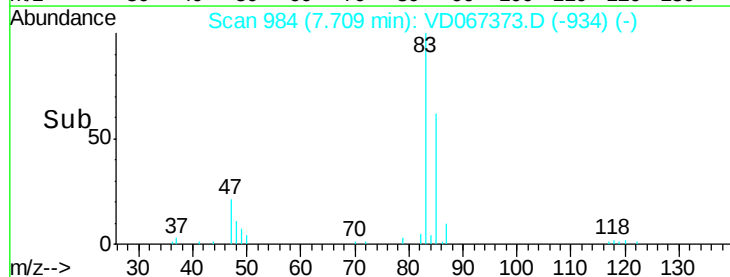
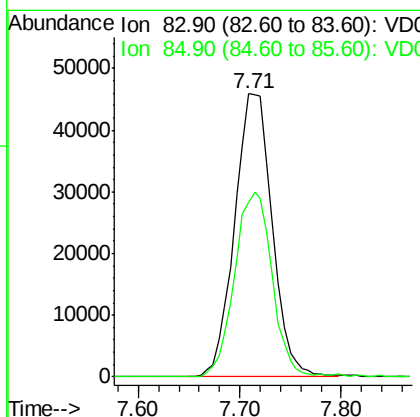
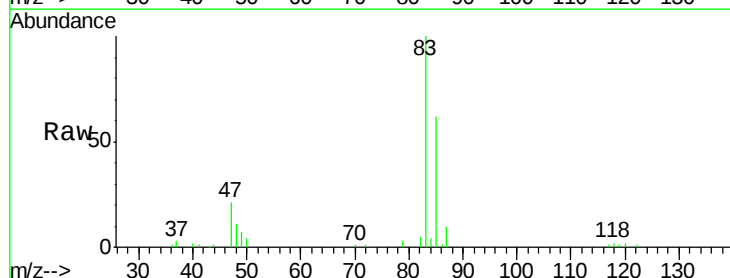
RT: 7.71 min Scan# 984

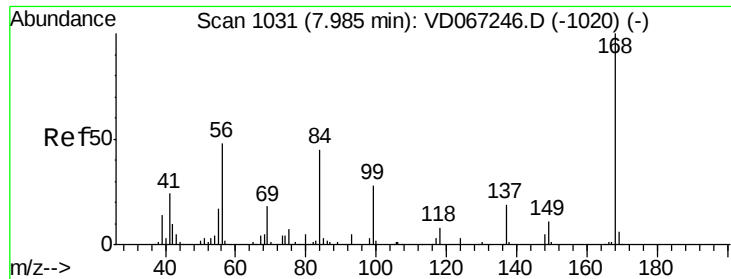
Delta R.T. -0.01 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Tgt Ion:	83	Resp:	118275
Ion	Ratio	Lower	Upper
83	100		
85	61.5	47.3	70.9





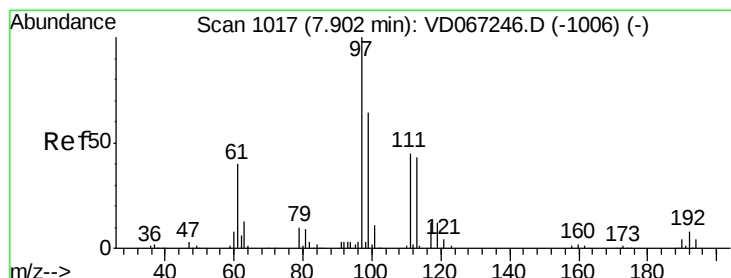
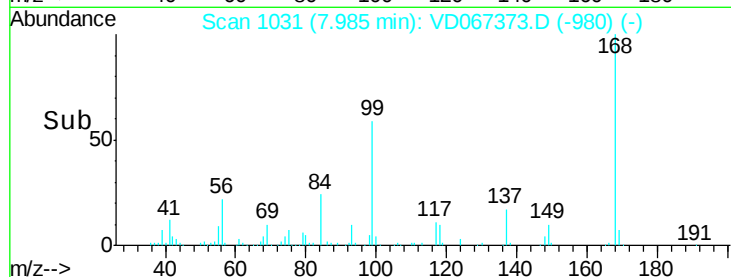
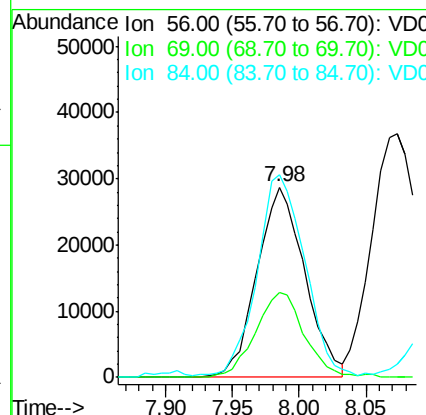
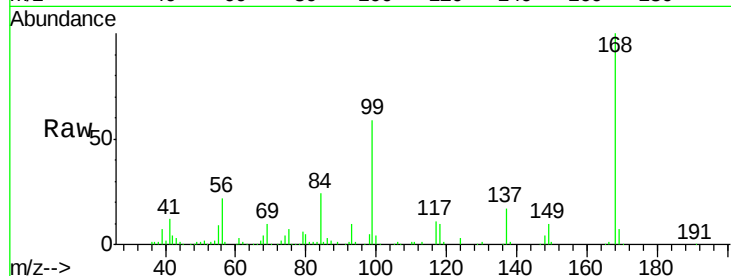
#31
Cyclohexane
Concen: 20.261 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	56	69	84
Resp	71487		
Ratio	100	44.5	105.3
Lower		29.8	76.6
Upper		44.6	114.8

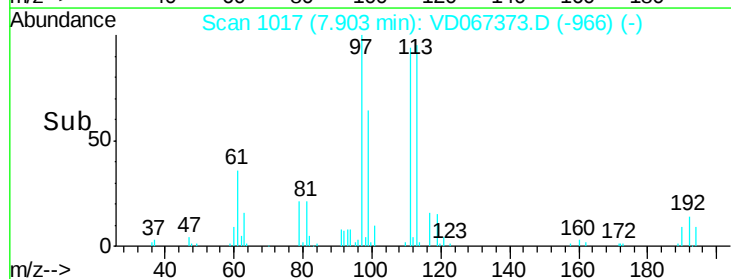
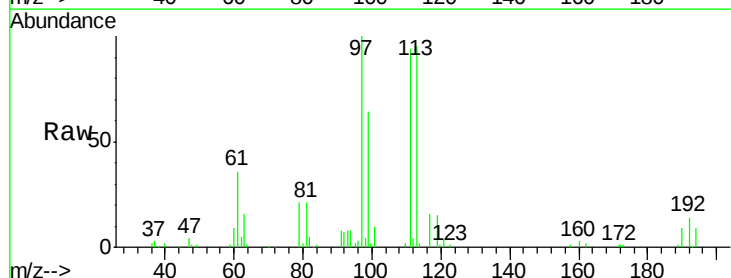
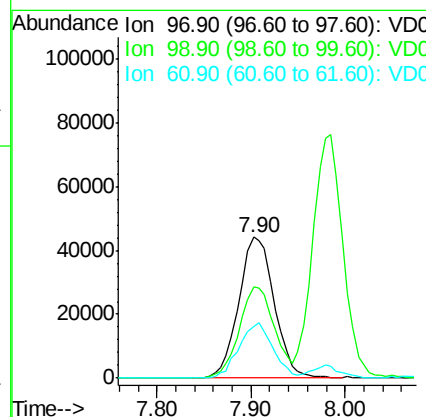
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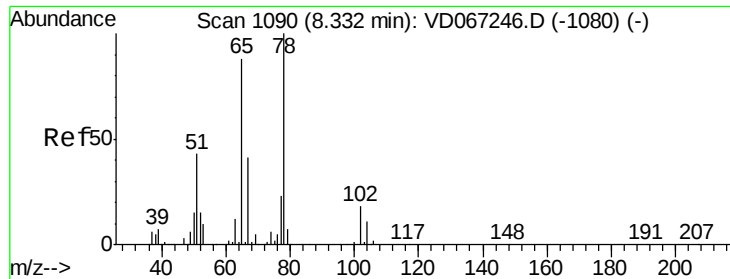
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.855 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion	97	99	61
Resp	115761		
Ratio	100	64.5	37.4
Lower		50.2	30.5
Upper		75.4	45.7





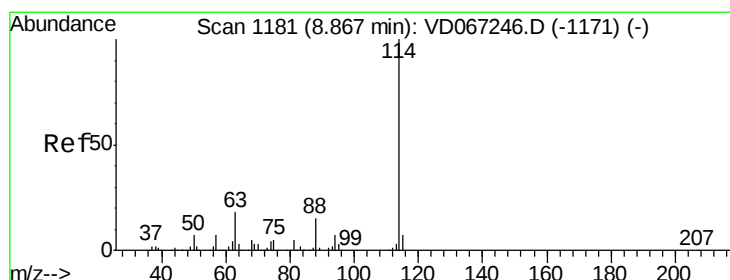
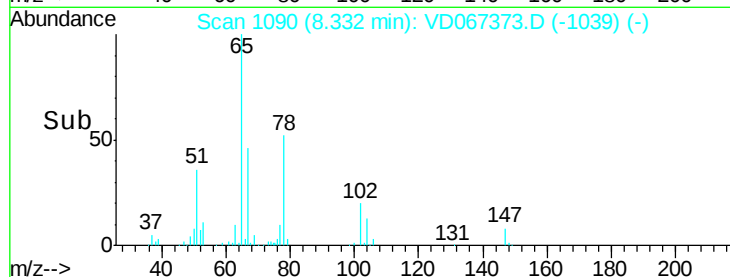
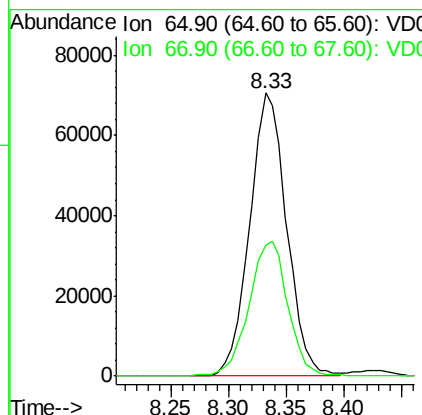
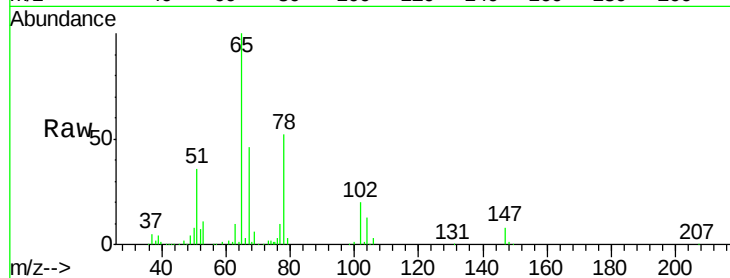
#33
 1,2-Dichloroethane-d4
 Concen: 51.462 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	157645		
67	50.1	0.0	103.8	

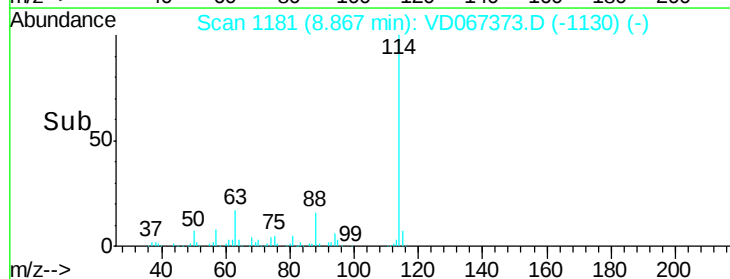
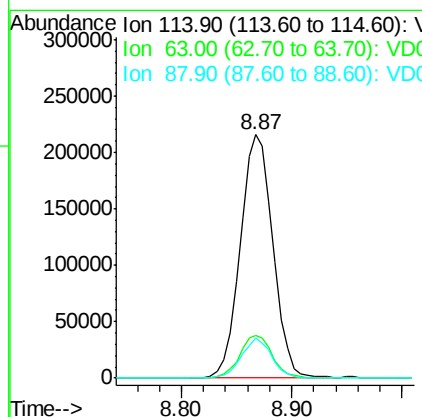
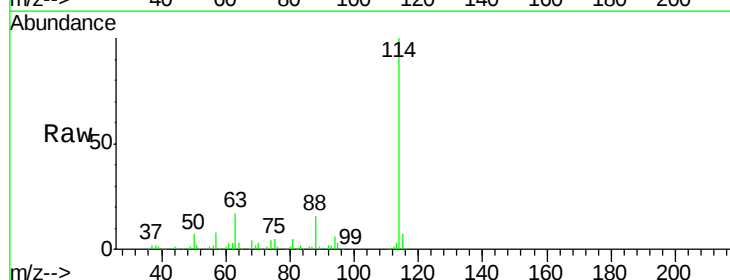
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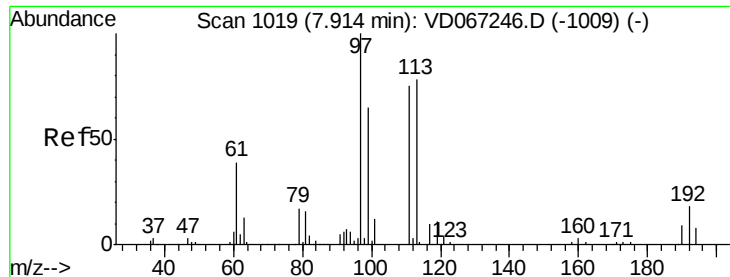
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	448386		
63	17.5	0.0	35.0	
88	16.3	0.0	30.6	





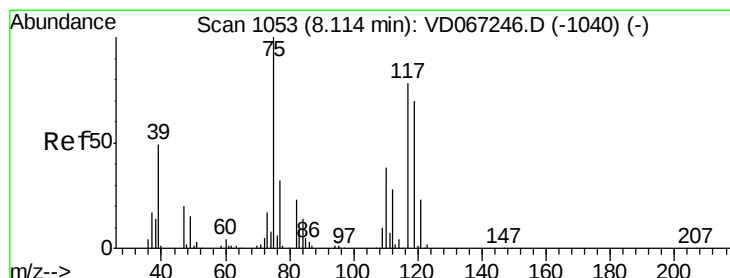
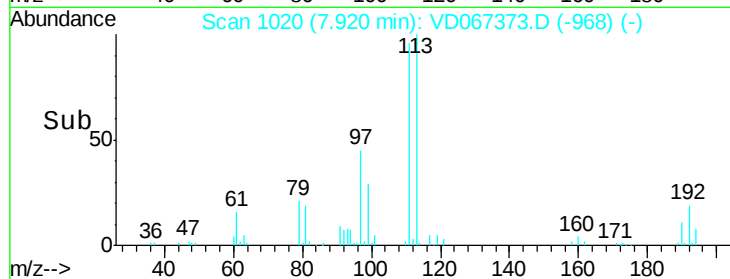
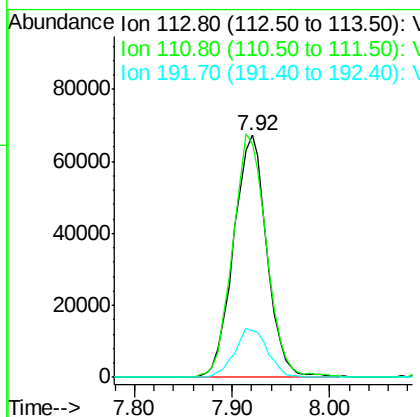
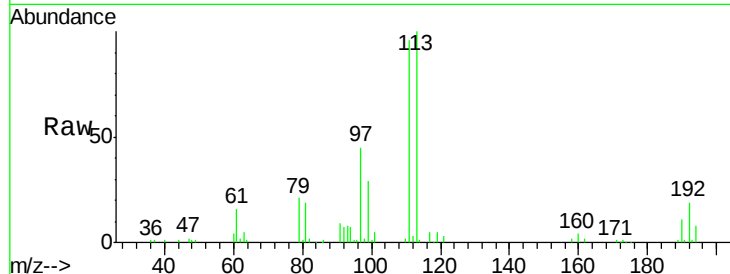
#35
 Dibromofluoromethane
 Concen: 53.542 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	20.2	17.0	25.4

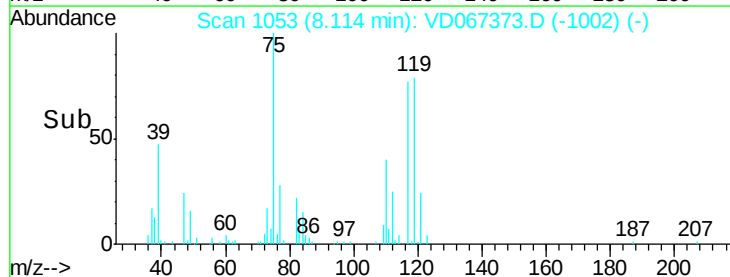
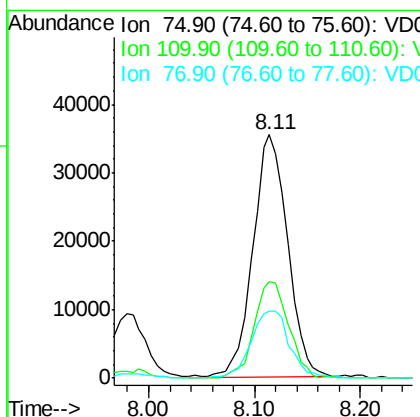
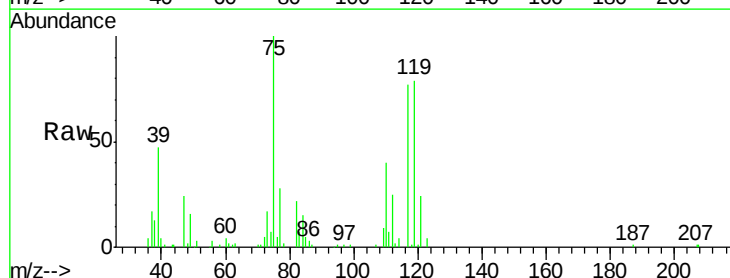
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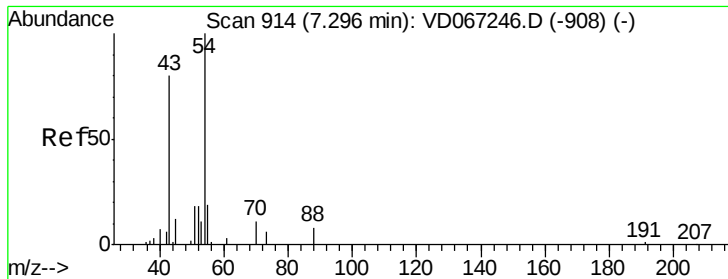
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 10/26/2020 1:37:40 PM



#36
 1,1-Dichloropropene
 Concen: 21.387 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.3	19.6	58.7
77	30.8	24.6	37.0





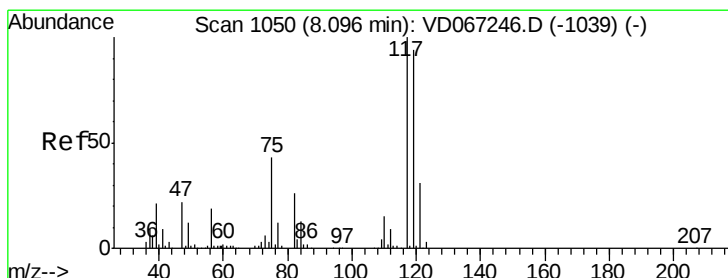
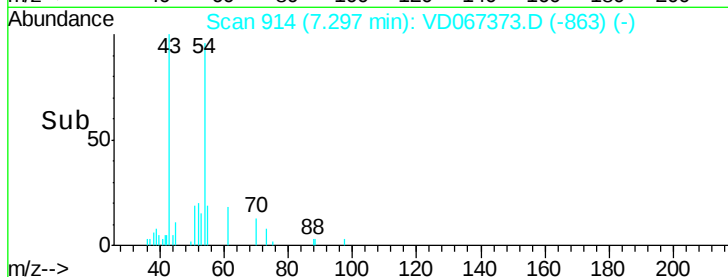
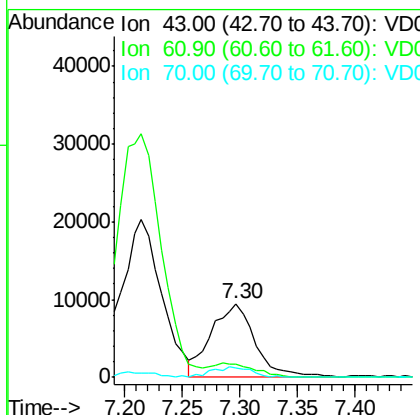
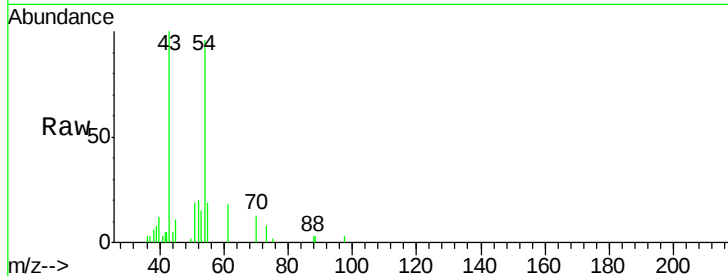
#37
Ethyl Acetate
Concen: 22.490 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.9	15.6	23.4
70	13.2	10.4	15.6

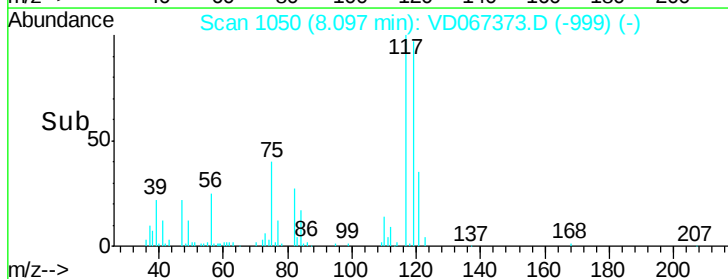
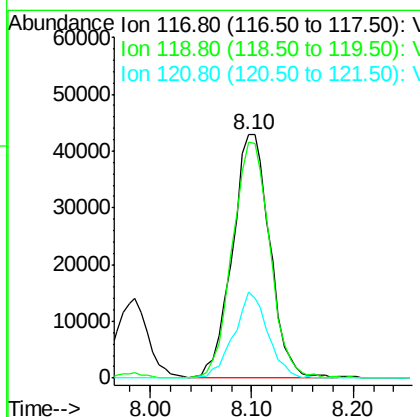
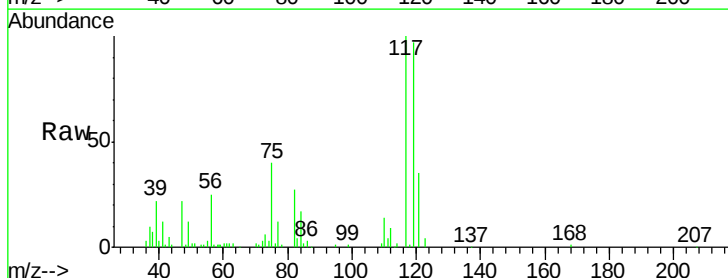
Manual Integrations
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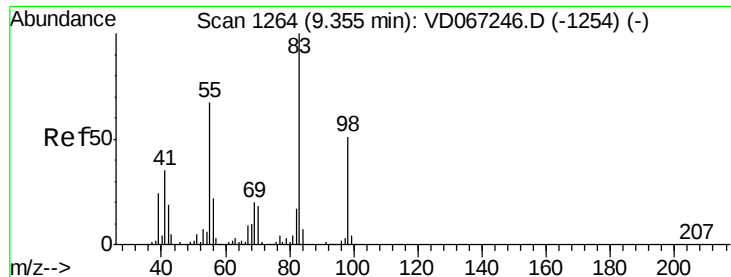
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.441 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.0	112.4
121	35.5	24.9	37.3





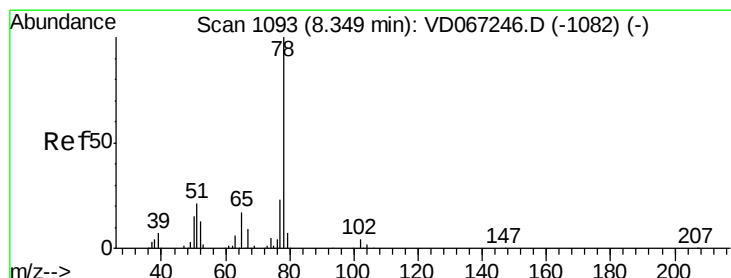
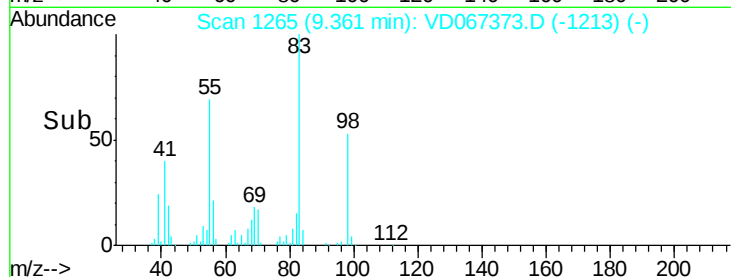
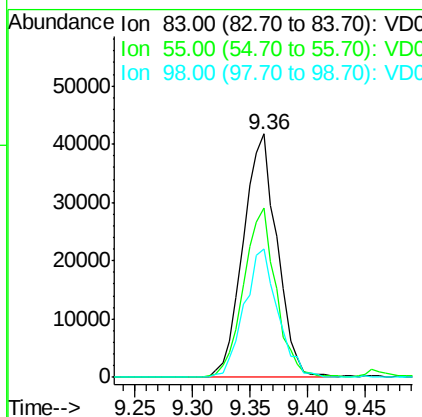
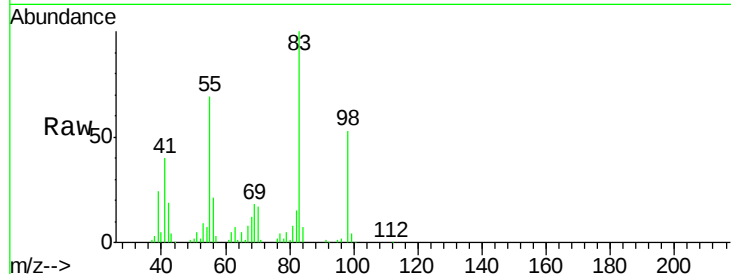
#39
Methvlcvclohexane
Concen: 21.515 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.5	53.3	79.9
98	52.7	41.0	61.4

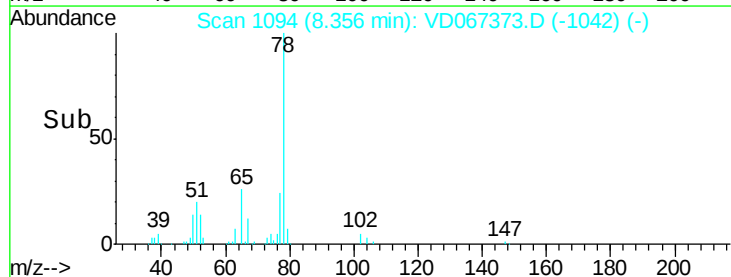
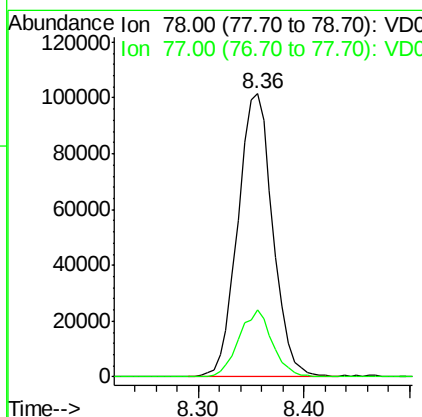
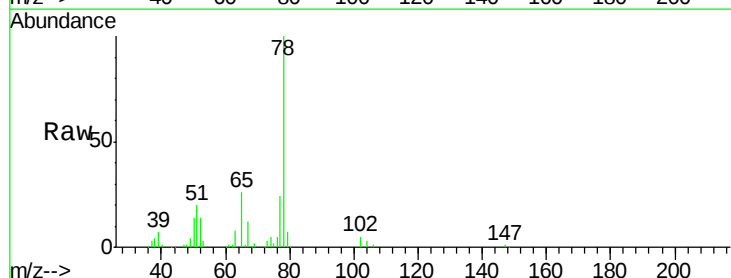
Manual Integrations
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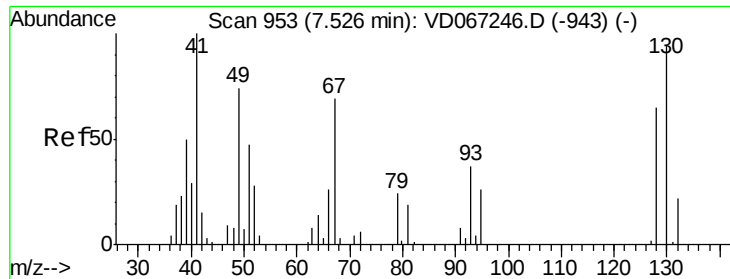
MMDadoda
10/26/2020 1:37:40 PM



#40
Benzene
Concen: 22.321 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.3	27.5





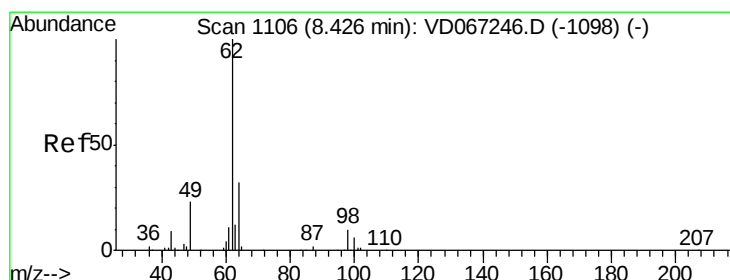
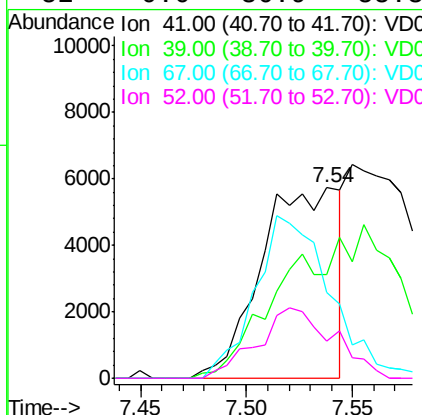
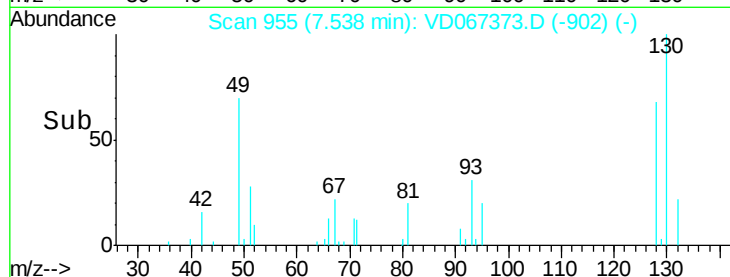
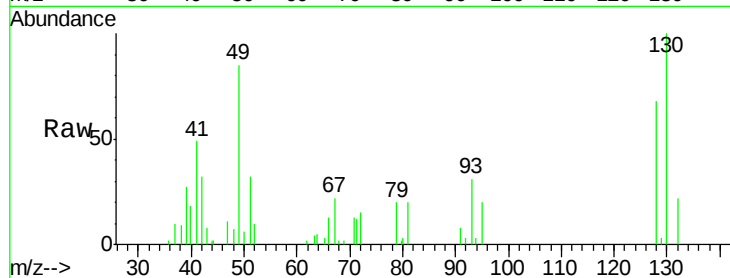
#41
Methacrylonitrile
Concen: 24.565 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.1	60.0	90.0
67	0.0	88.9	133.3#
52	0.0	36.9	55.3#

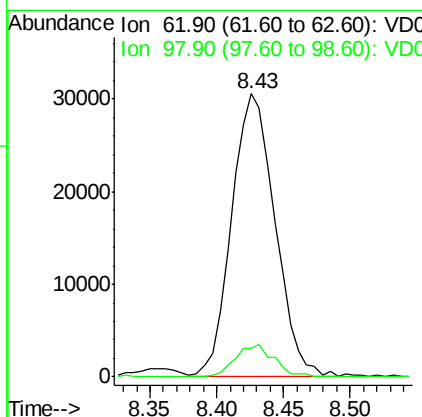
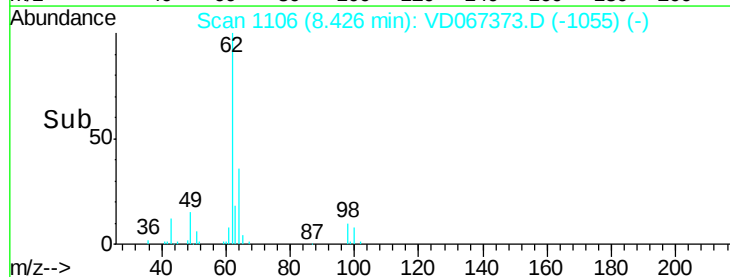
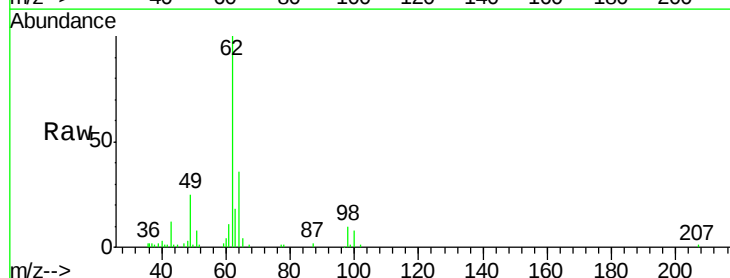
Manual Integrations
APPROVED

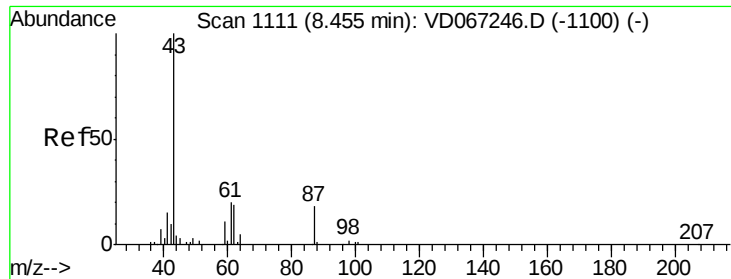
MMDadoda
10/26/2020 1:37:40 PM



#42
1,2-Dichloroethane
Concen: 21.164 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.4





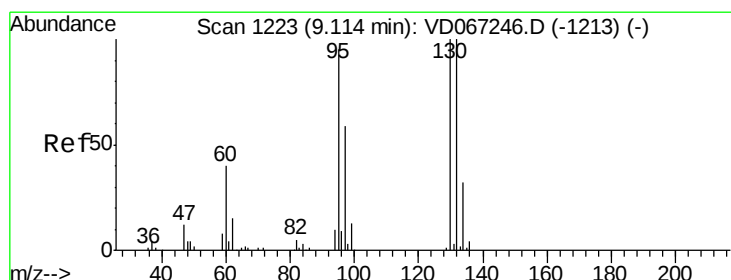
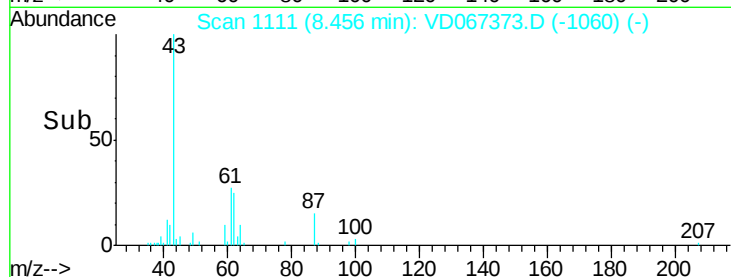
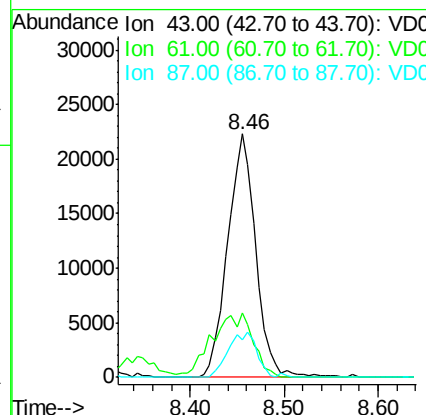
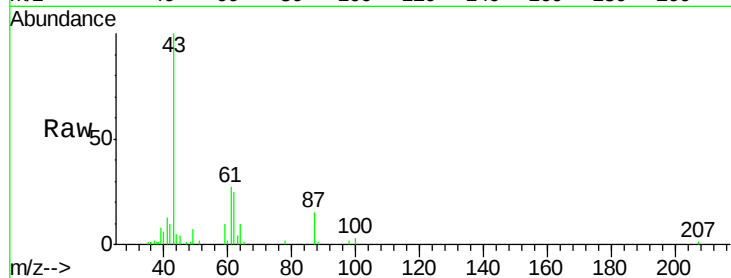
#43
Isopropyl Acetate
Concen: 20.963 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	38.8	29.5	44.3
87	18.6	14.2	21.4

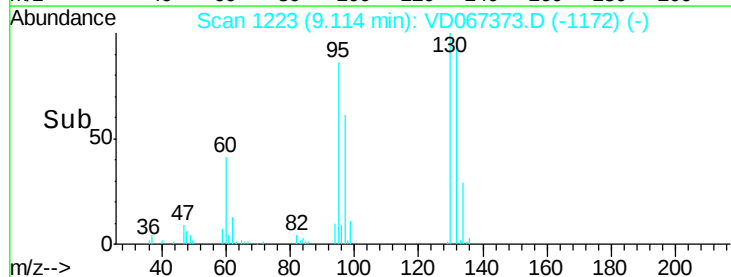
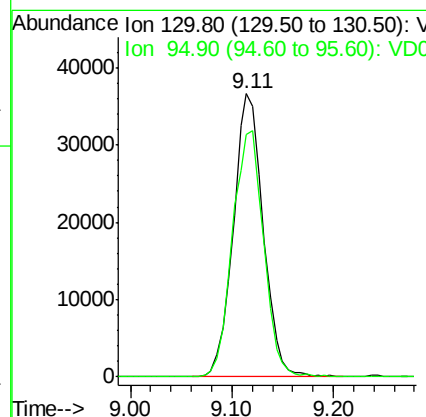
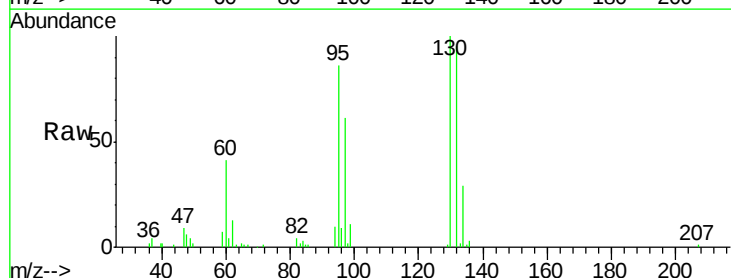
Manual Integrations
APPROVED

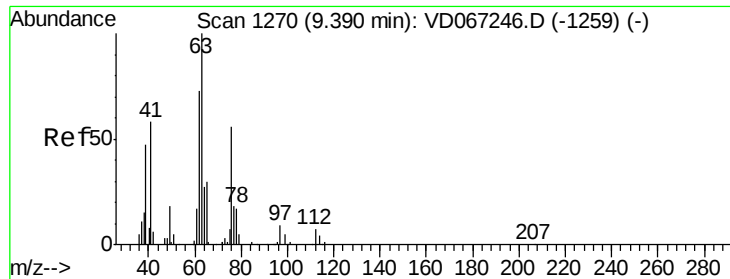
MMDadoda
10/26/2020 1:37:40 PM



#44
Trichloroethene
Concen: 22.338 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.8	0.0	190.6





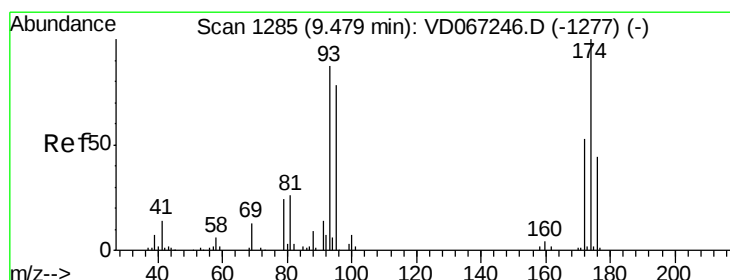
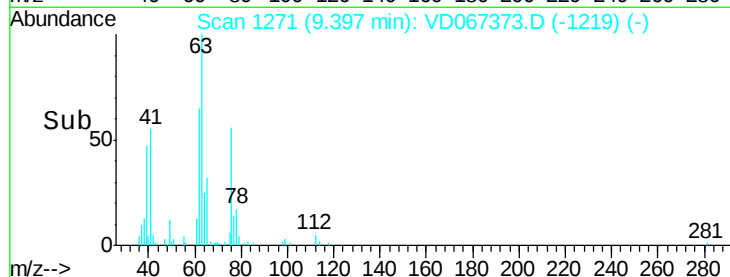
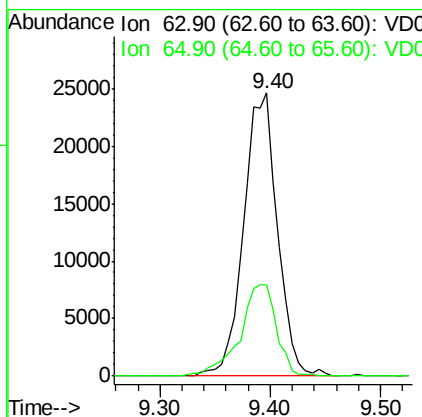
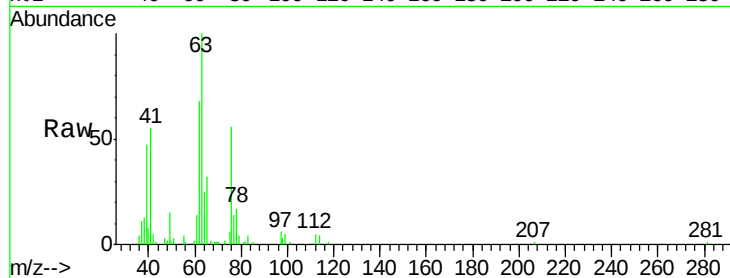
#45
 1,2-Dichloropropane
 Concen: 21.858 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.6	36.8

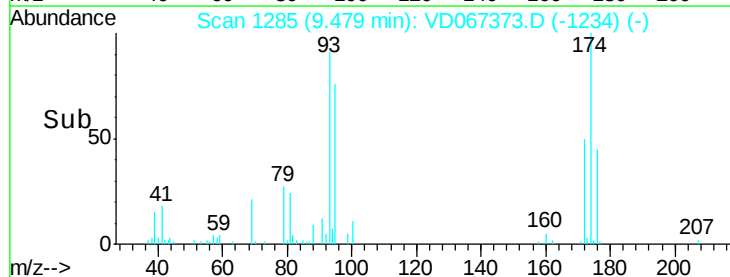
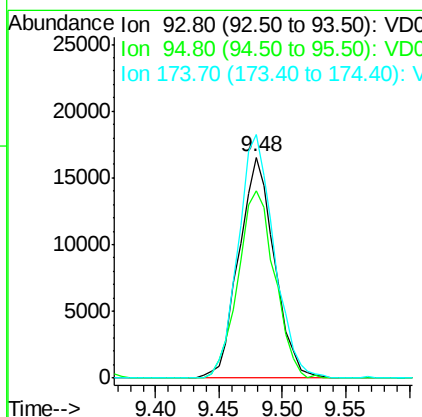
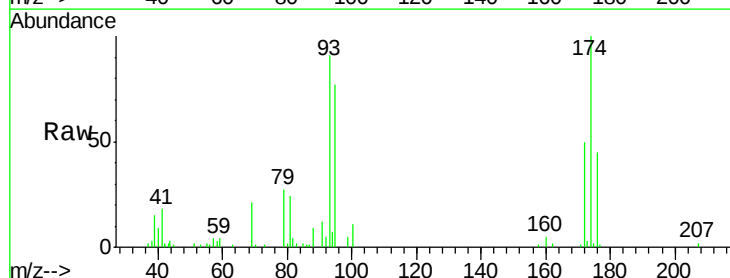
Manual Integrations
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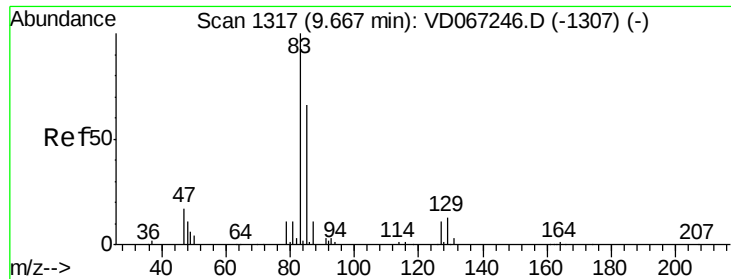
MMDadoda
 10/26/2020 1:37:40 PM



#46
 Dibromomethane
 Concen: 21.385 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	87.2	68.0	102.0
174	111.1	91.8	137.6





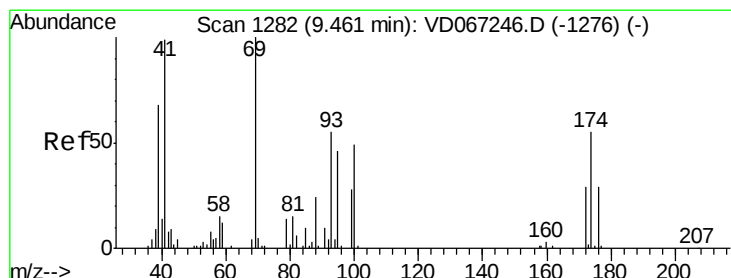
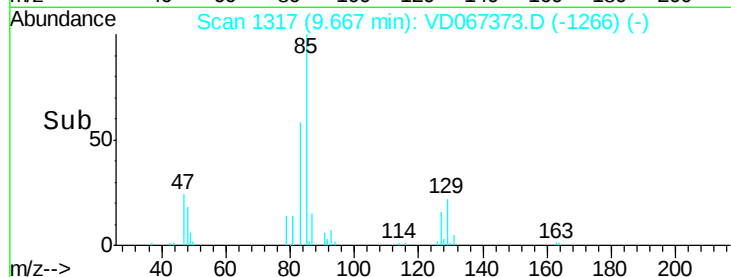
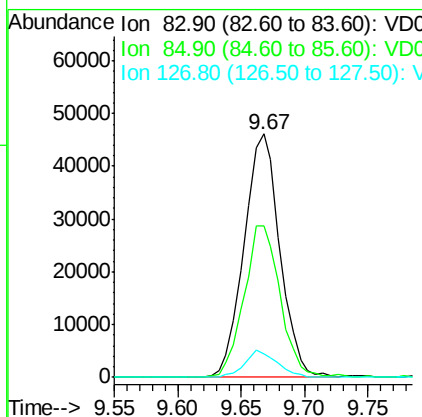
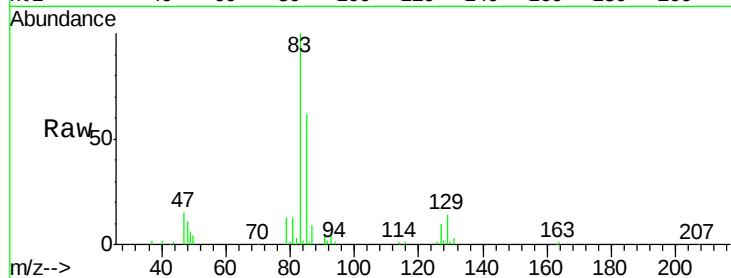
#47
Bromodichloromethane
Concen: 22.500 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.3	53.1	79.7
127	9.8	8.6	13.0

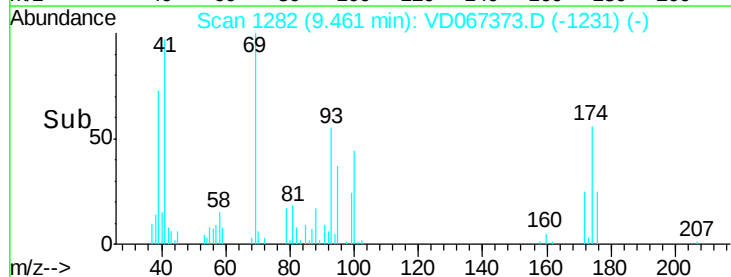
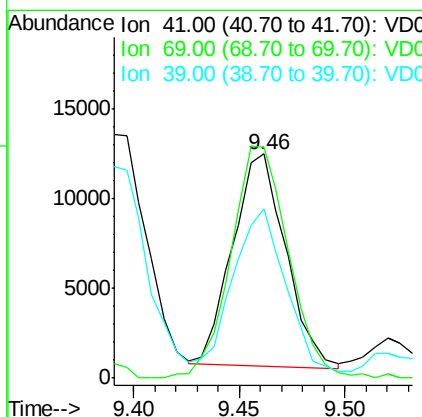
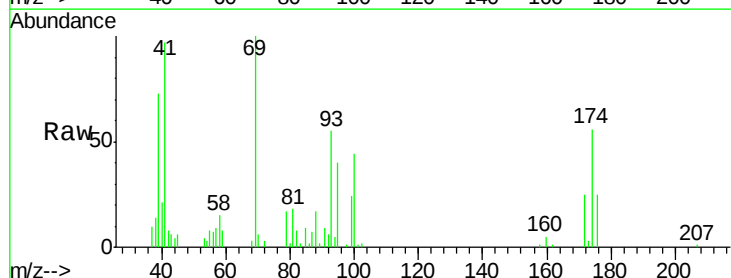
Manual Integrations
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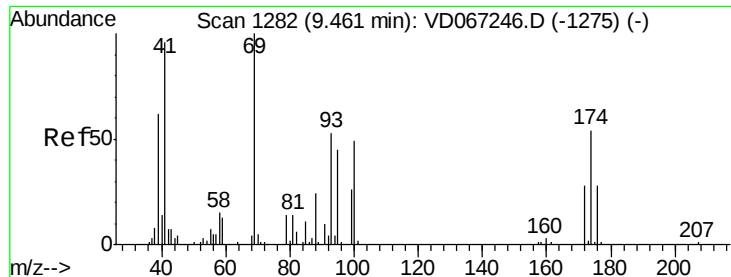
MMDadoda
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#48
Methyl methacrylate
Concen: 19.108 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Lower	Upper
41	100		
69	119.1	89.0	133.6
39	75.4	60.2	90.2





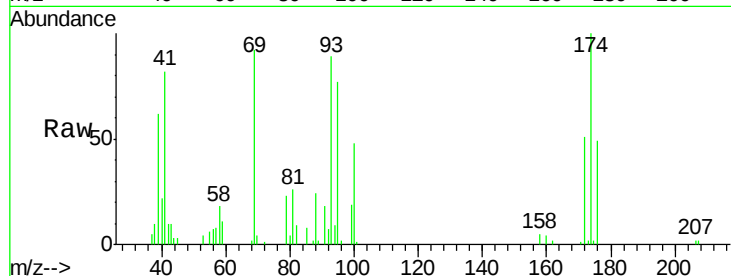
#49
1,4-Dioxane
Concen: 373.524 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	23.9	35.9
58	69.4	51.0	76.6

Manual Integrations
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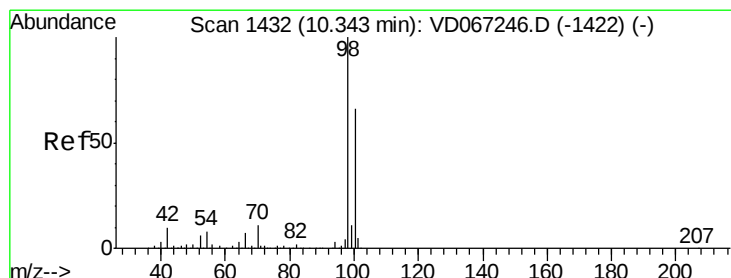
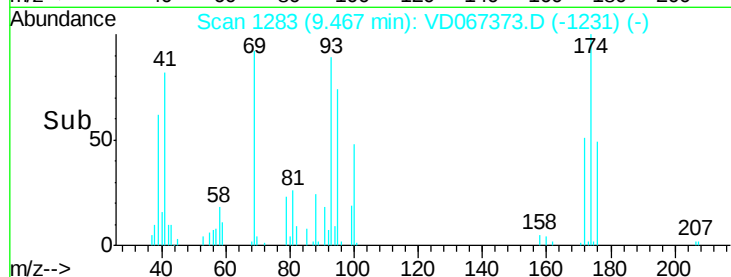
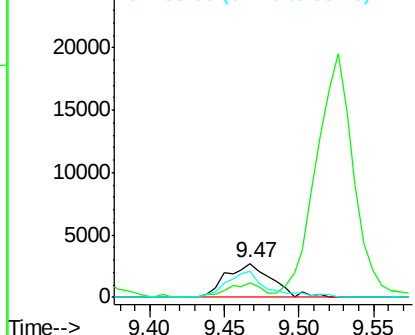


Abundance

Ion 88.00 (87.70 to 88.70): VDC

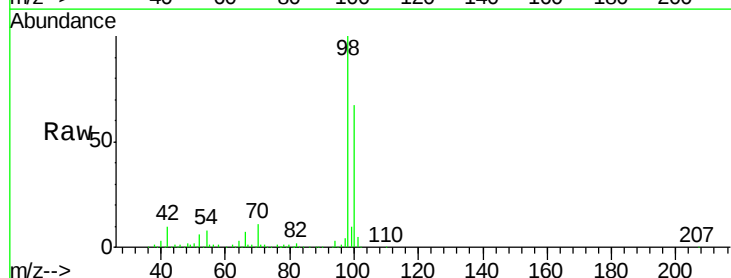
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 53.717 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

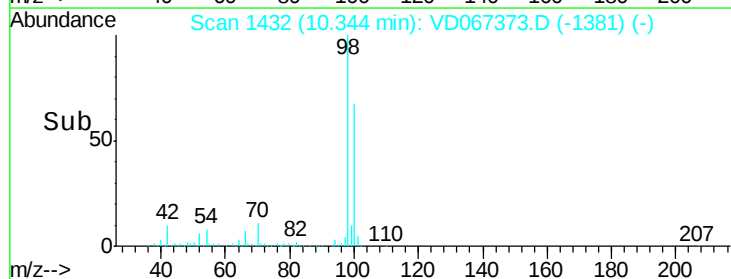
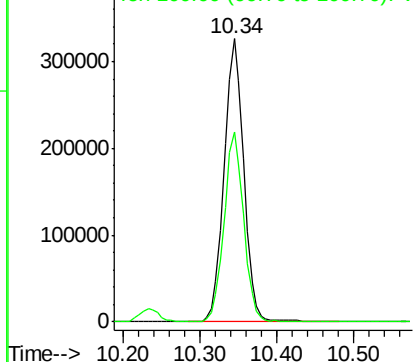
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.1	79.7

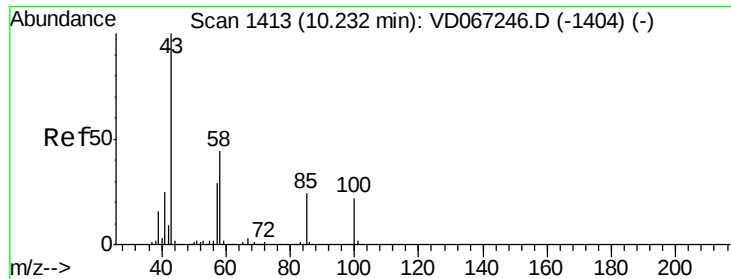


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 103.591 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion: 43 Resp: 114635

Ion Ratio Lower Upper

43 100

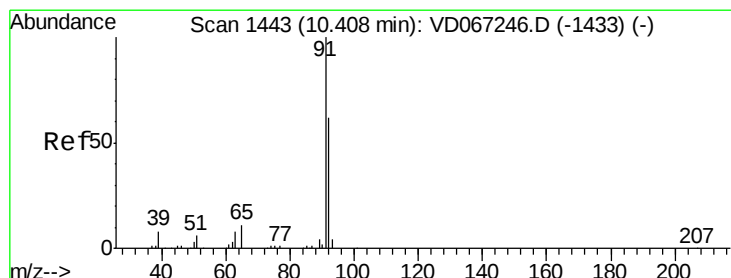
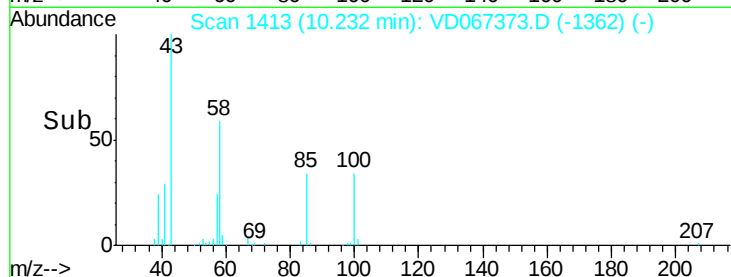
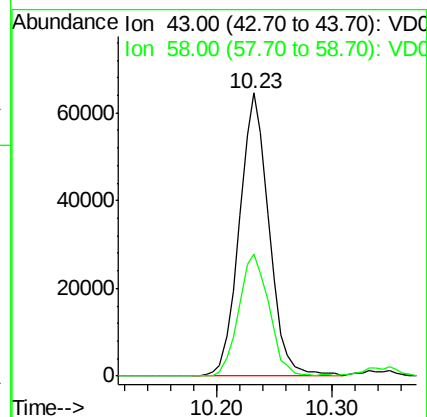
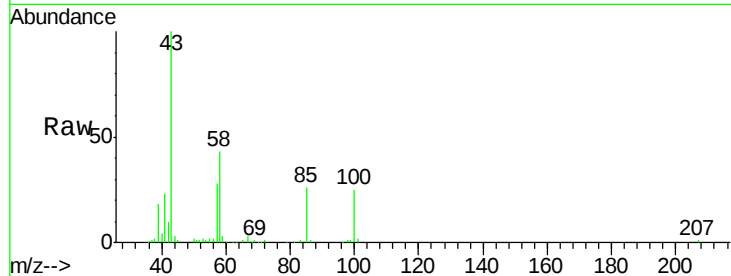
58 44.0 35.7 53.5

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#52

Toluene

Concen: 22.423 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067373.D

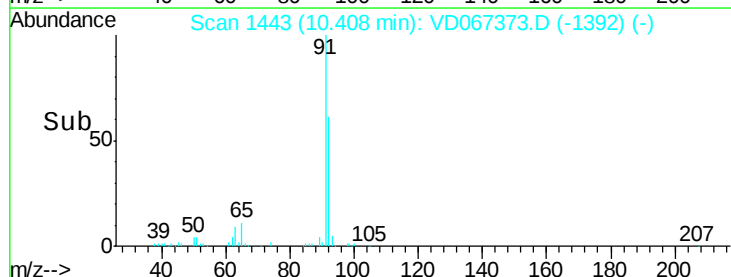
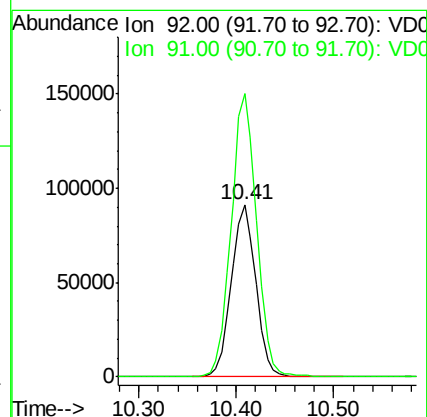
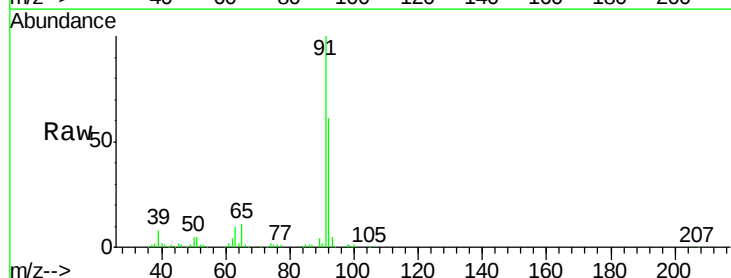
Acq: 23 Oct 2020 11:10

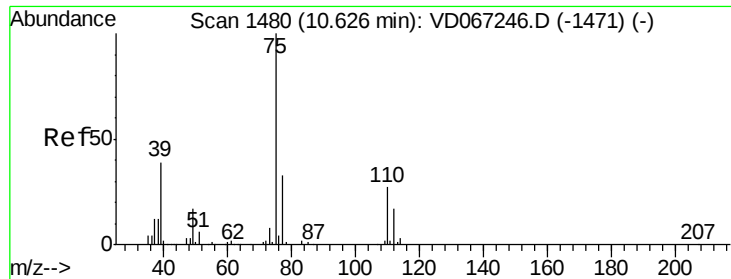
Tgt Ion: 92 Resp: 159229

Ion Ratio Lower Upper

92 100

91 170.3 133.8 200.8





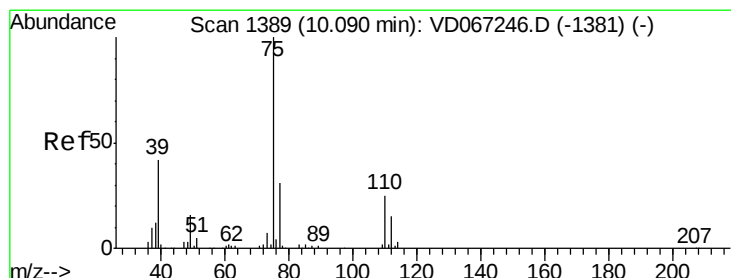
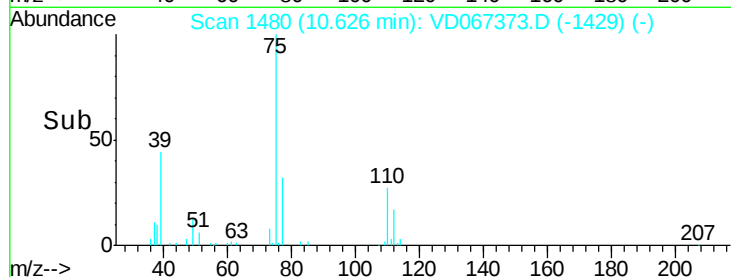
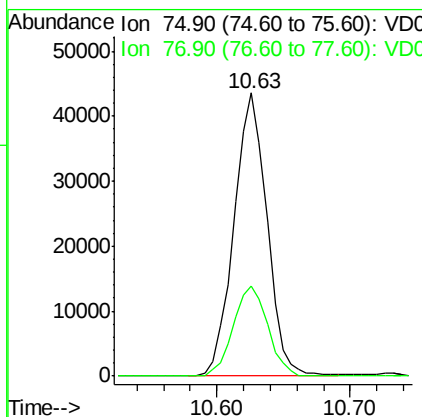
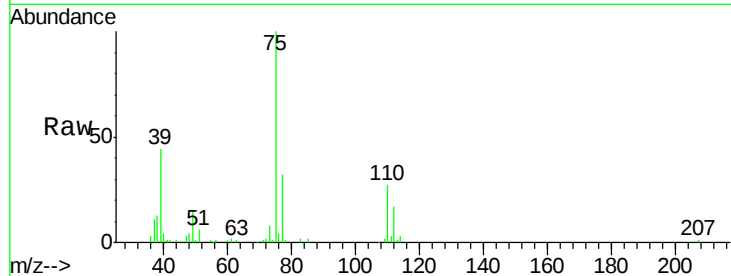
#53
t-1,3-Dichloropropene
Concen: 21.129 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion: 75 Resp: 74866
Ion Ratio Lower Upper
75 100
77 32.0 26.5 39.7

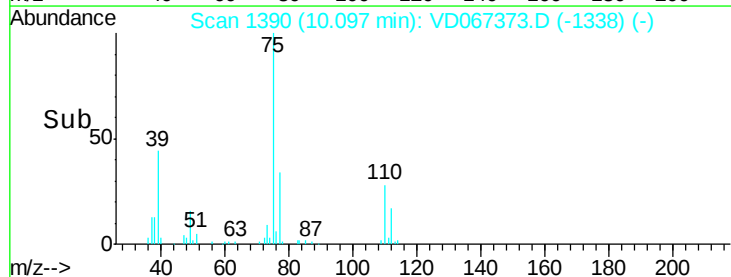
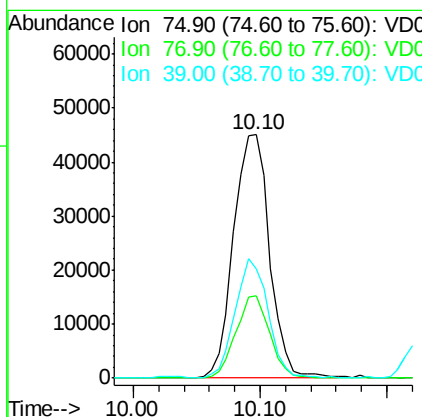
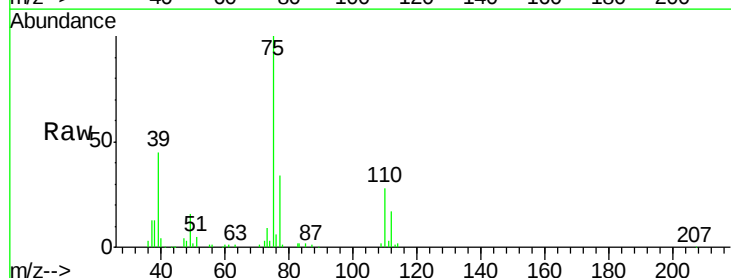
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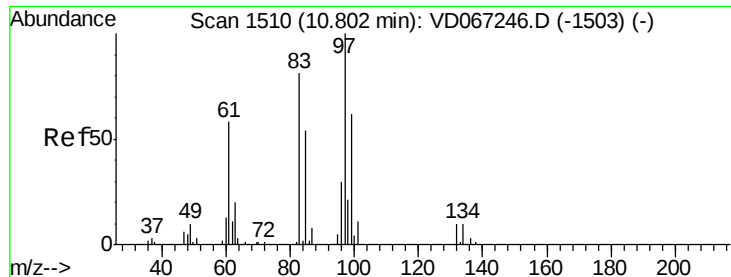
MMDadoda
10/26/2020 1:37:40 PM



#54
cis-1,3-Dichloropropene
Concen: 21.374 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion: 75 Resp: 88630
Ion Ratio Lower Upper
75 100
77 33.7 24.5 36.7
39 44.7 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 20.950 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

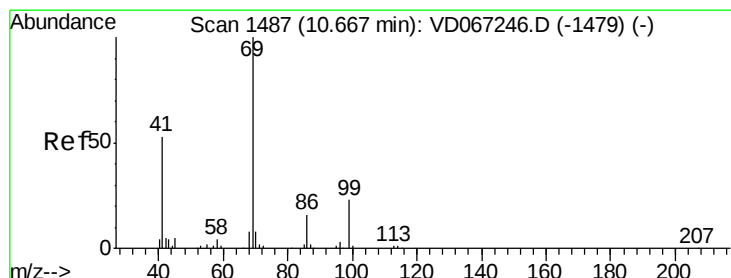
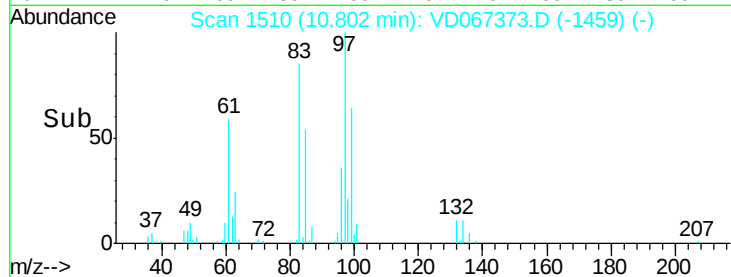
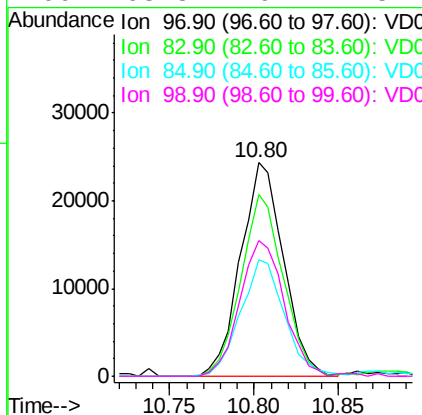
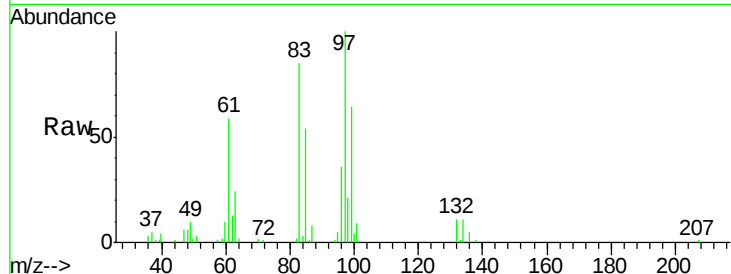
ClientSampleId :

VD1023SBS01

Tot Ion:	97	Resp:	43008
Ion	Ratio	Lower	Upper
97	100		
83	85.1	64.9	97.3
85	54.3	43.3	64.9
99	63.8	49.1	73.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.837 ug/l

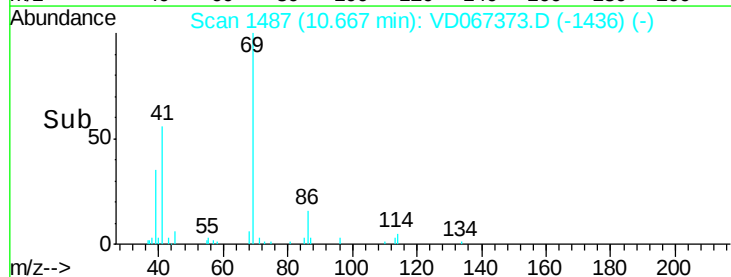
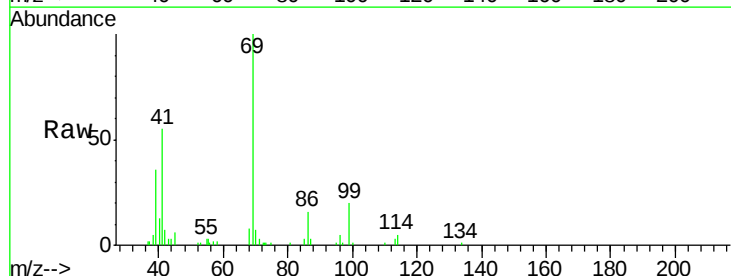
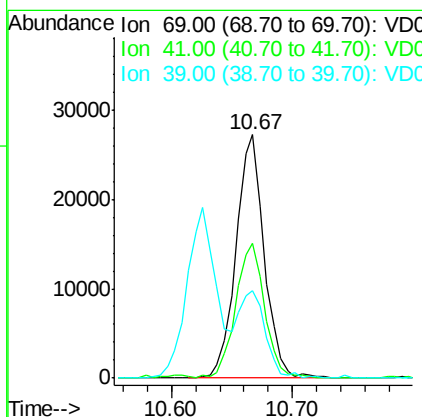
RT: 10.67 min Scan# 1487

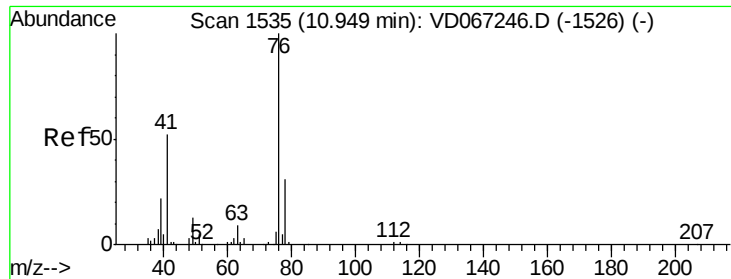
Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Tgt Ion:	69	Resp:	44364
Ion	Ratio	Lower	Upper
69	100		
41	57.2	44.7	67.1
39	34.2	26.2	39.2





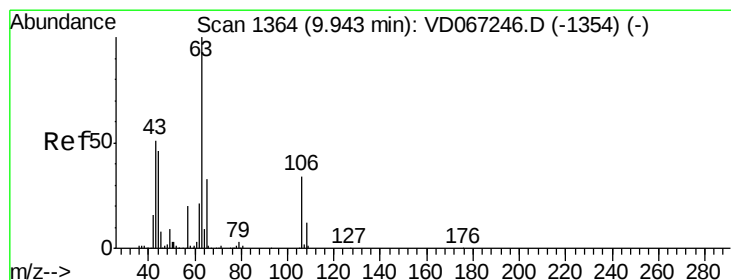
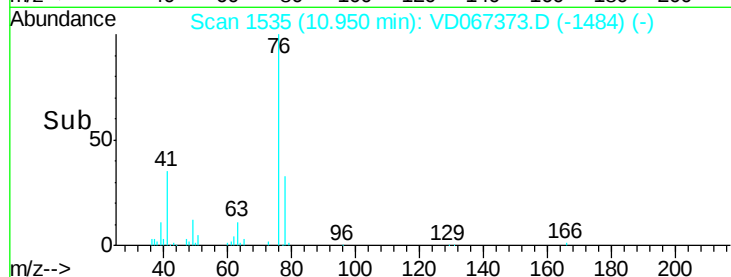
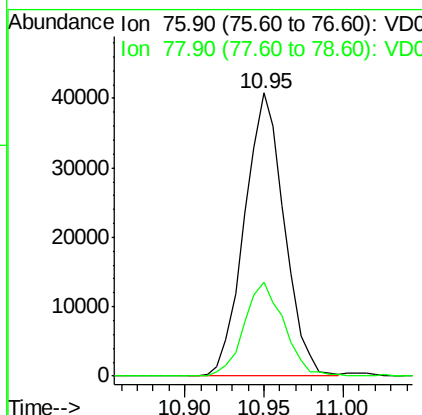
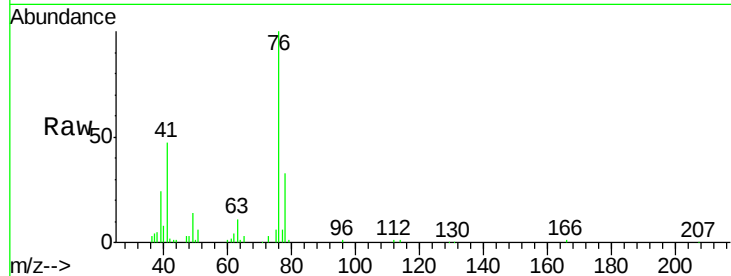
#57
 1,3-Dichloropropane
 Concen: 21.739 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion: 76 Resp: 71024
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.8 40.2

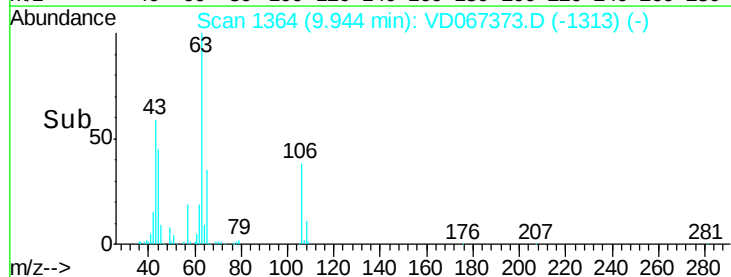
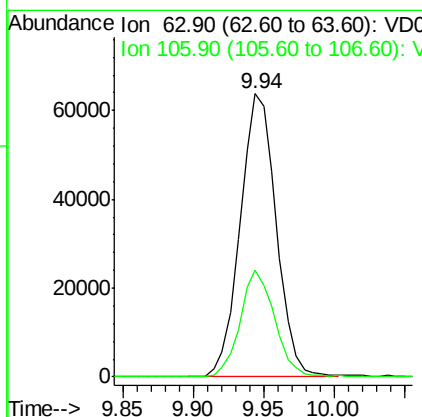
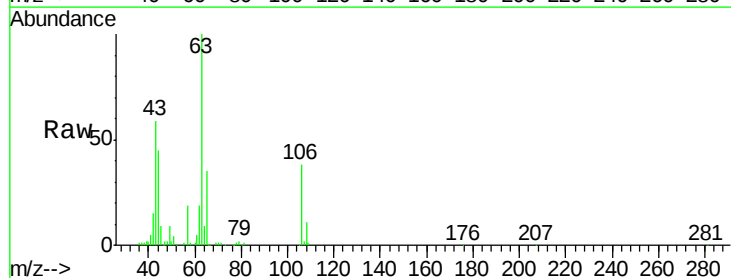
Manual Integrations
 APPROVED

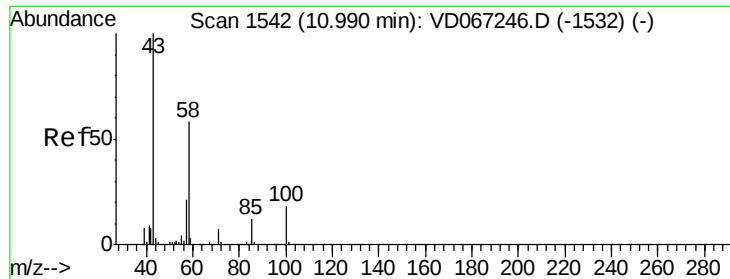
MMDadoda
 10/26/2020 1:37:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.422 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Tgt Ion: 63 Resp: 114052
 Ion Ratio Lower Upper
 63 100
 106 36.1 27.8 41.6





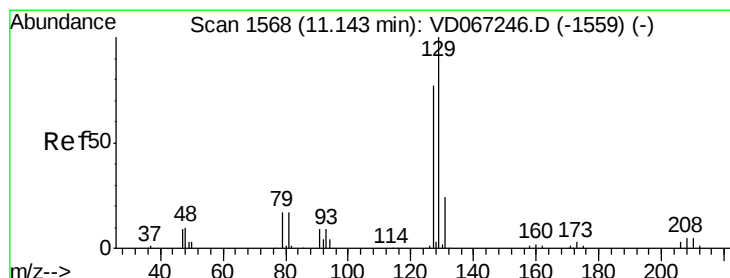
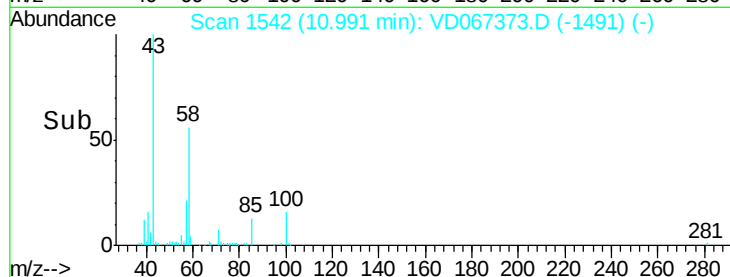
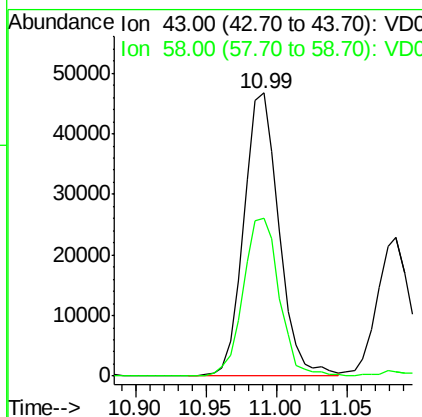
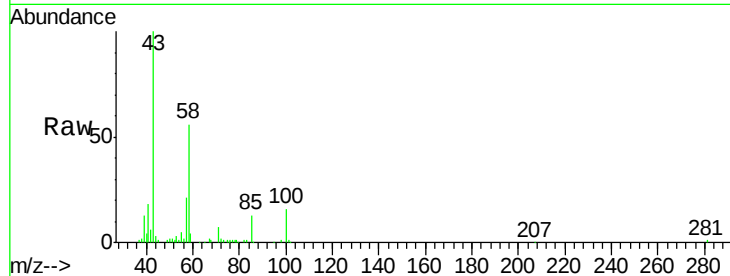
#59
2-Hexanone
Concen: 107.934 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion: 43 Resp: 81617
Ion Ratio Lower Upper
43 100
58 57.4 29.3 87.9

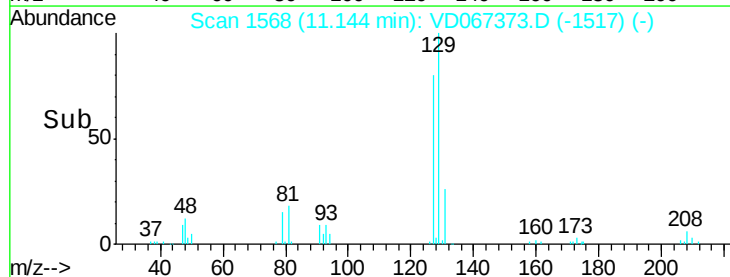
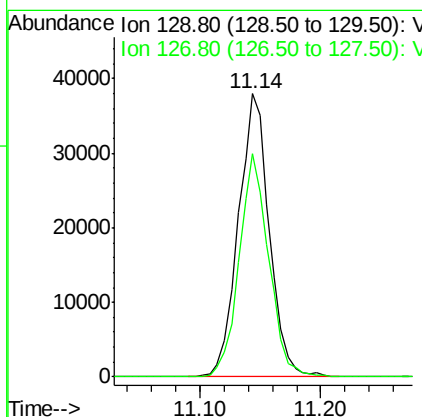
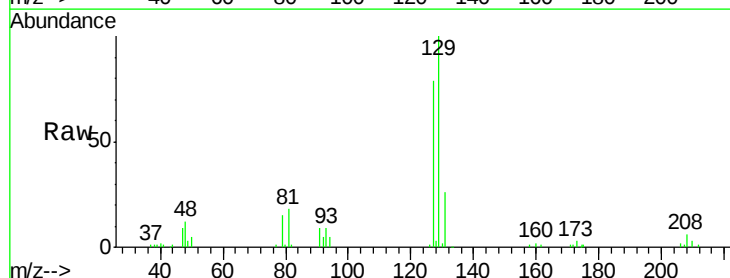
Manual Integrations
APPROVED

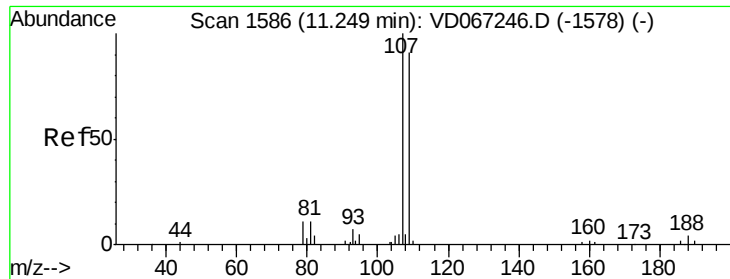
MMDadoda
10/26/2020 1:37:40 PM



#60
Dibromochloromethane
Concen: 22.585 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion: 129 Resp: 67617
Ion Ratio Lower Upper
129 100
127 75.6 38.3 114.8





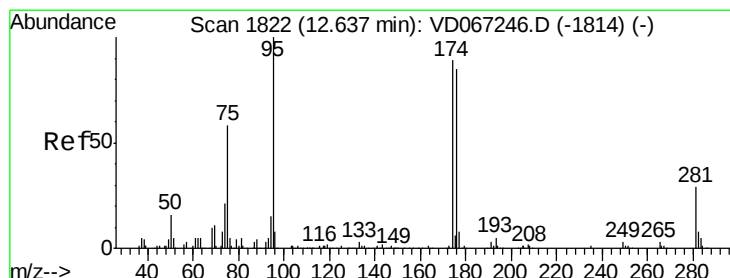
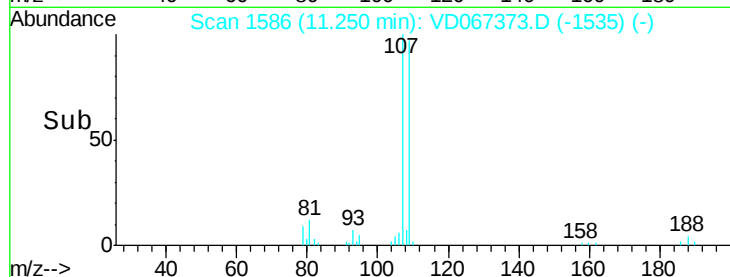
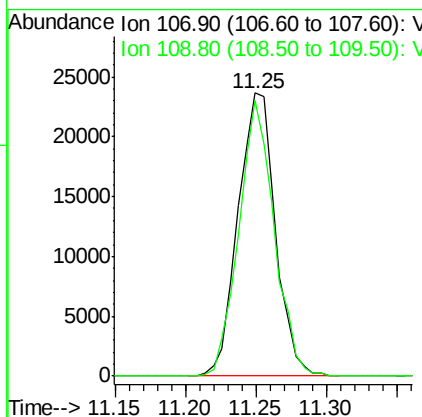
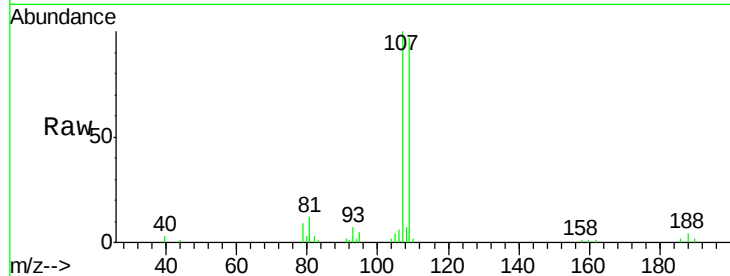
#61
 1,2-Dibromoethane
 Concen: 21.636 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	74.6	112.0

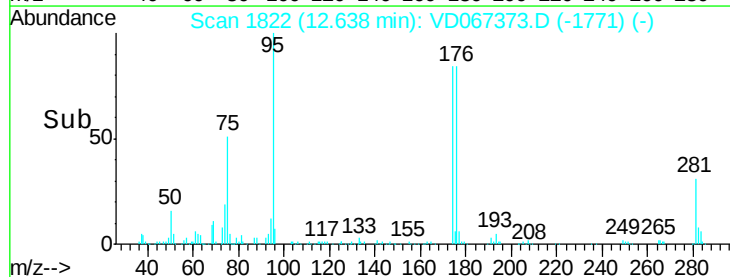
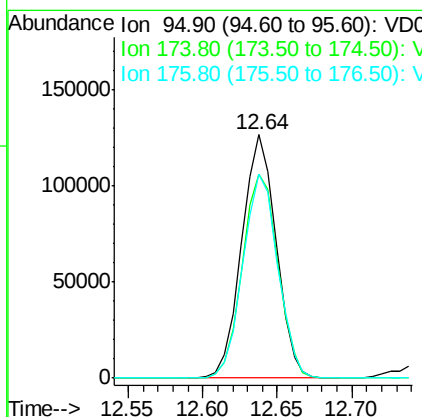
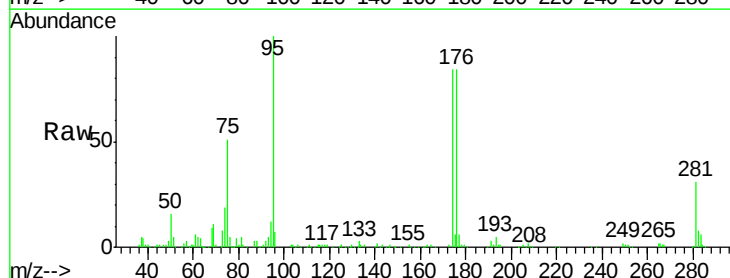
Manual Integrations
 APPROVED

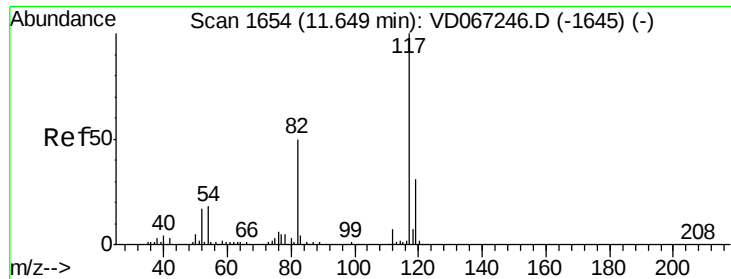
MMDadoda
 10/26/2020 1:37:40 PM



#62
 4-Bromofluorobenzene
 Concen: 53.763 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.8	0.0	175.2
176	85.1	0.0	168.6





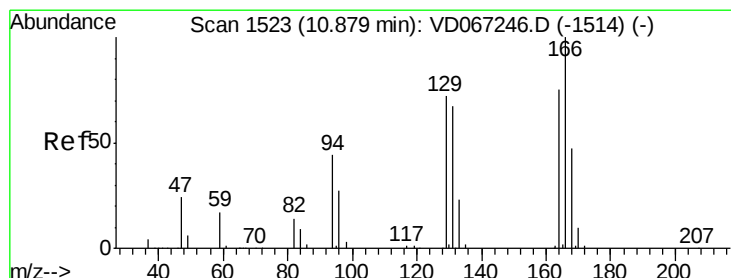
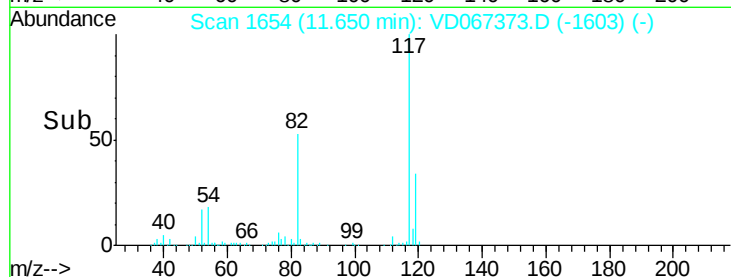
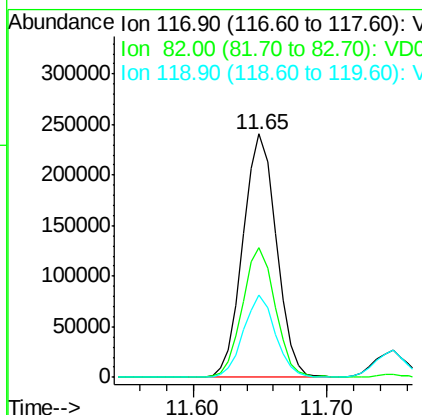
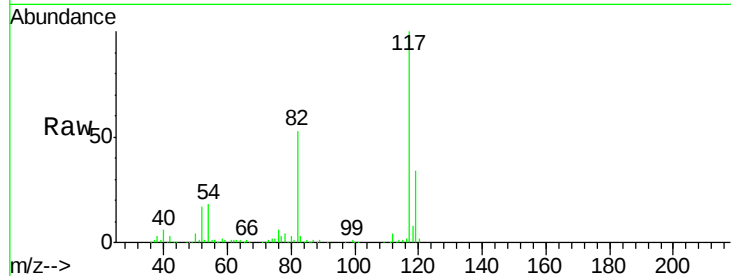
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	416978		
82	53.4	39.9	59.9	
119	33.6	24.9	37.3	

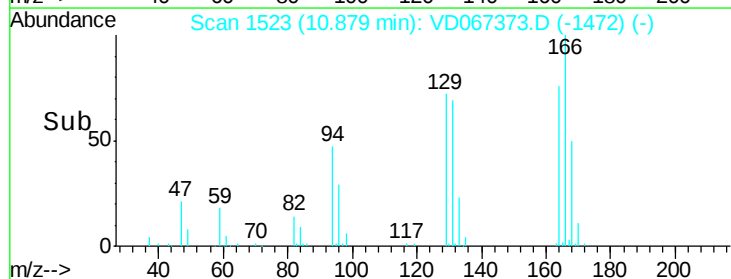
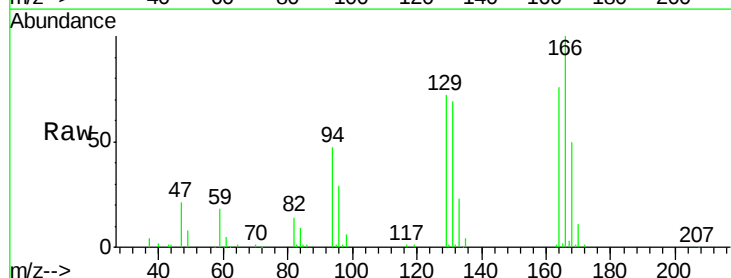
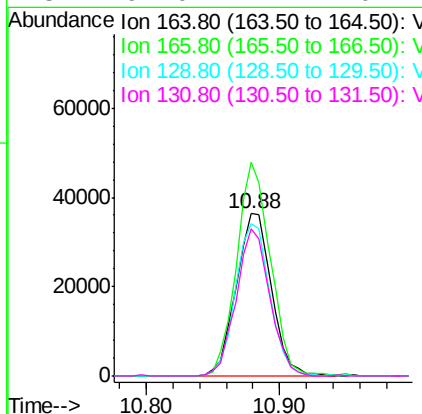
Manual Integrations
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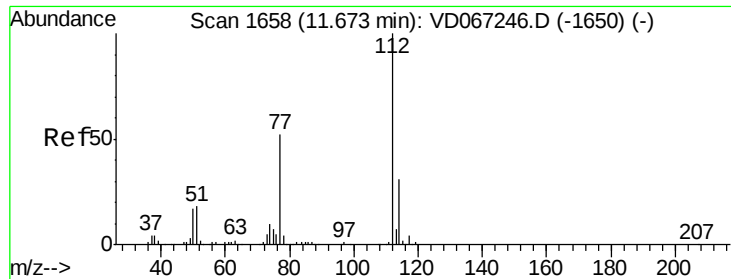
MMDadoda
10/26/2020 1:37:40 PM



#64
Tetrachloroethene
Concen: 22.060 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	66647		
166	131.8	107.3	160.9	
129	94.4	77.3	115.9	
131	91.0	71.4	107.2	





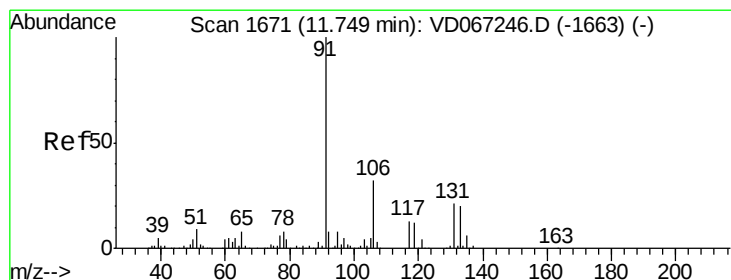
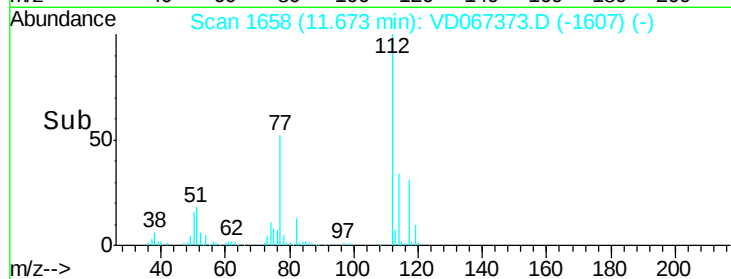
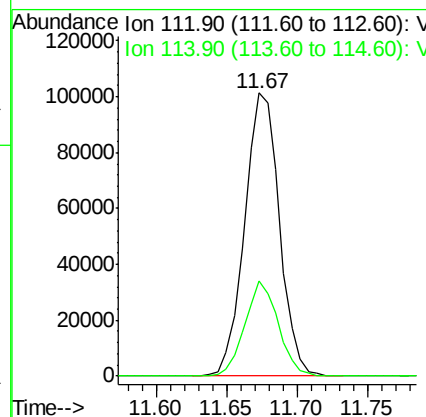
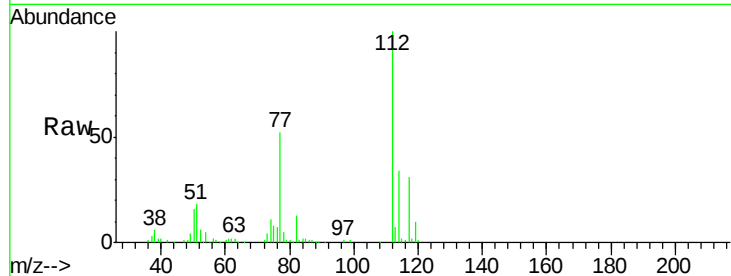
#65
Chlorobenzene
Concen: 21.916 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.0	37.4

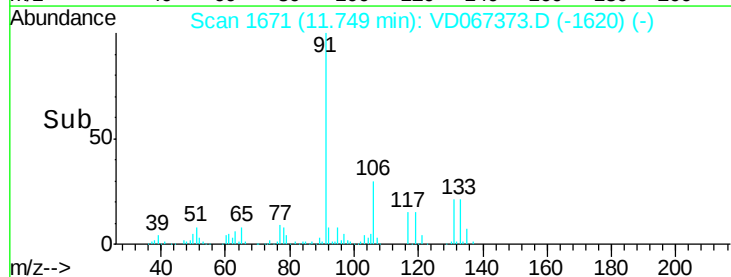
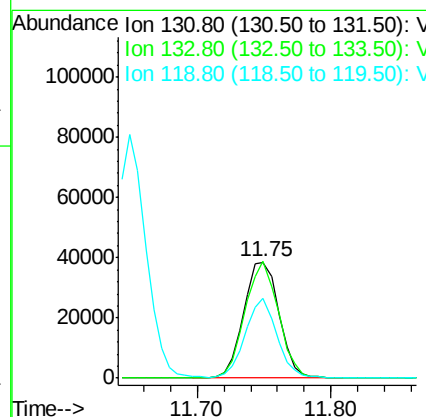
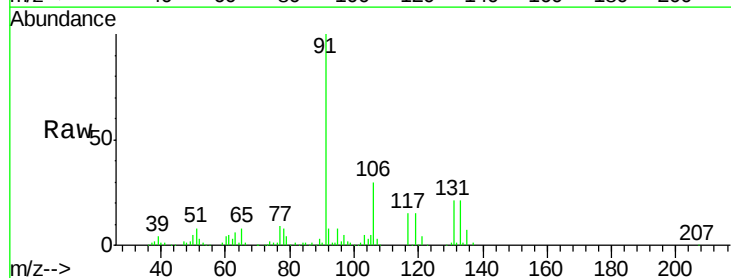
Manual Integrations
APPROVED

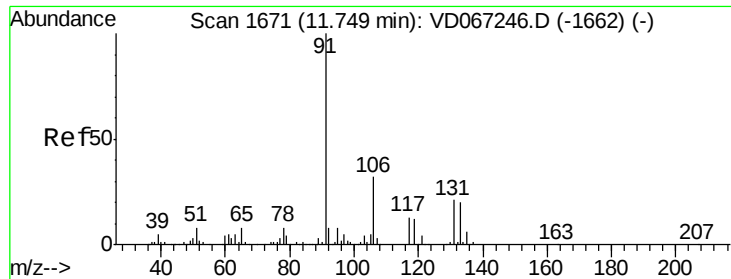
MMDadoda
10/26/2020 1:37:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.163 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.1	144.3
119	62.1	30.0	90.0





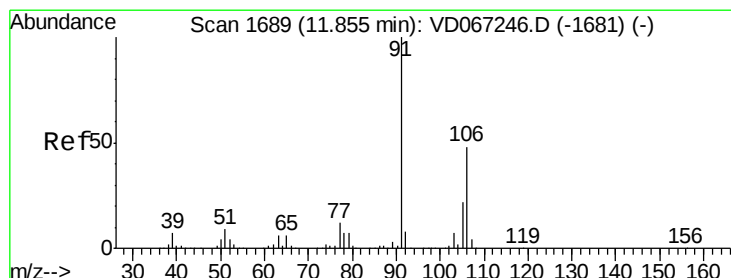
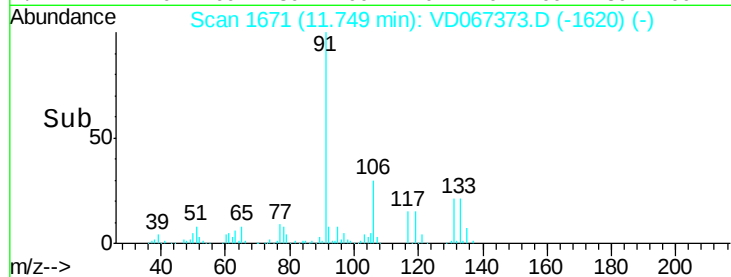
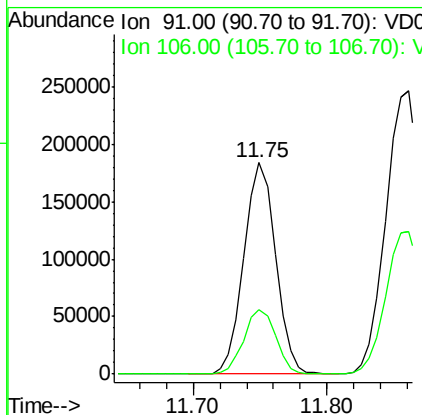
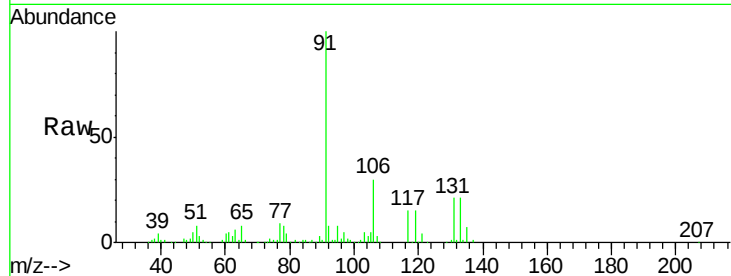
#67
Ethyl Benzene
Concen: 22.084 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion: 91 Resp: 302705
Ion Ratio Lower Upper
91 100
106 30.3 25.4 38.0

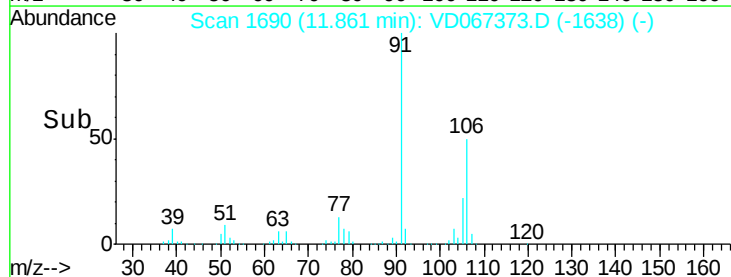
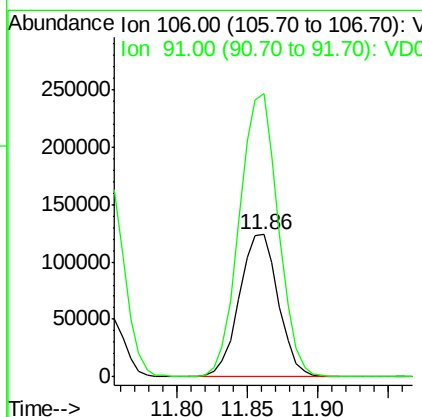
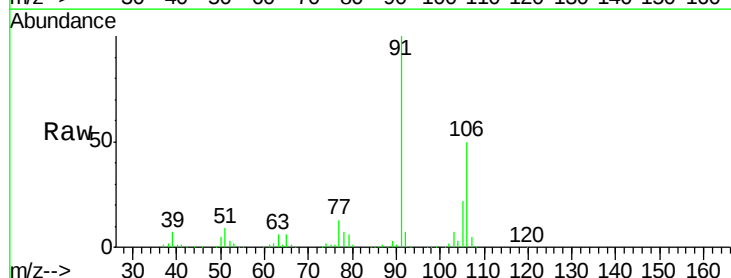
Manual Integrations
APPROVED

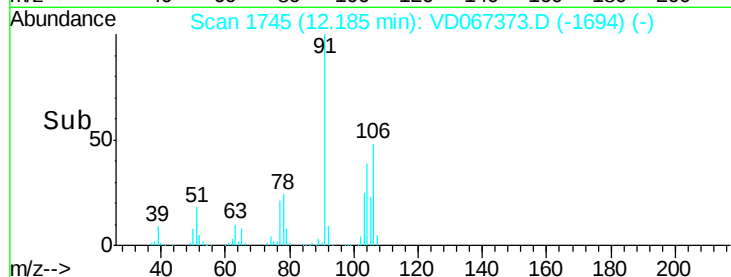
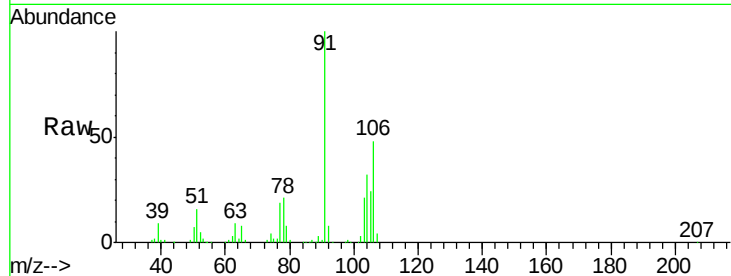
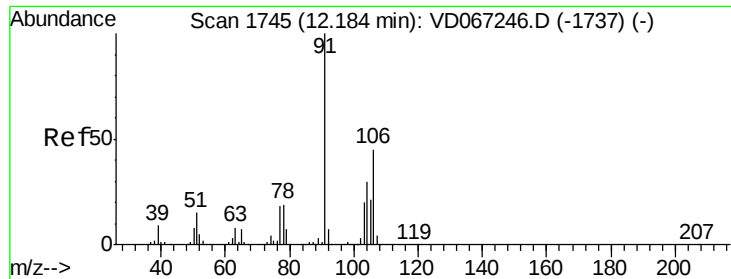
MMDadoda
10/26/2020 1:37:40 PM



#68
m/p-Xylenes
Concen: 45.422 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion: 106 Resp: 239748
Ion Ratio Lower Upper
106 100
91 198.2 163.8 245.8





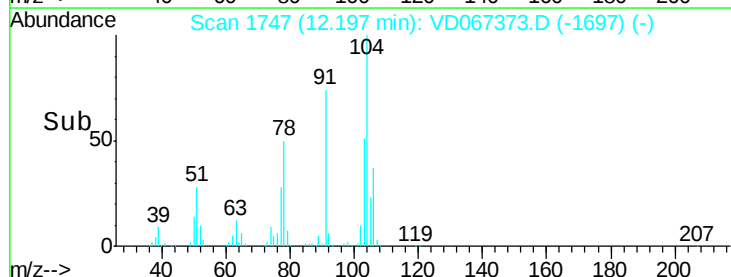
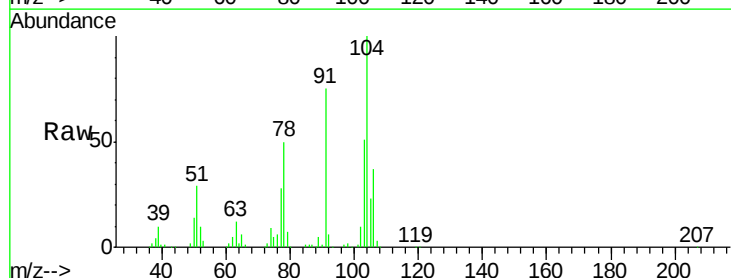
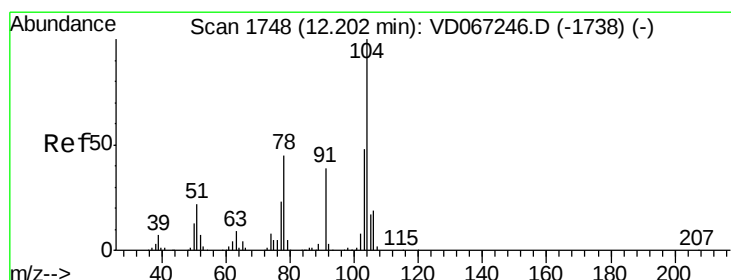
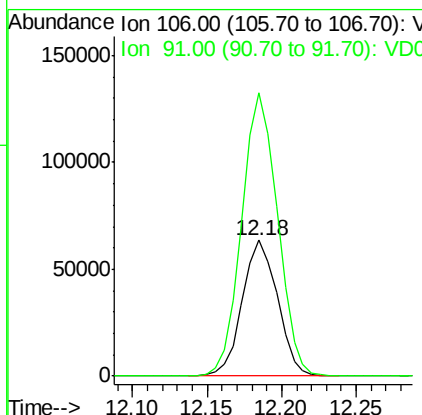
#69
o-Xylene
Concen: 21.294 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tot Ion	Ratio	Resp	Lower	Upper
106	100	104079		
91	212.4	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

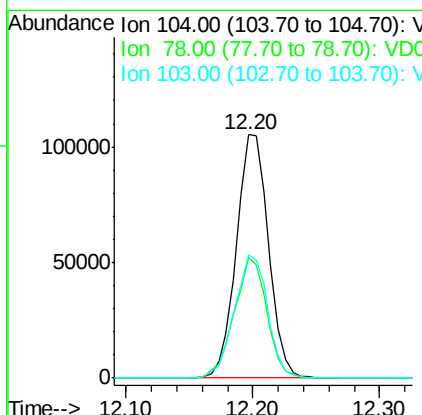
Manual Integrations
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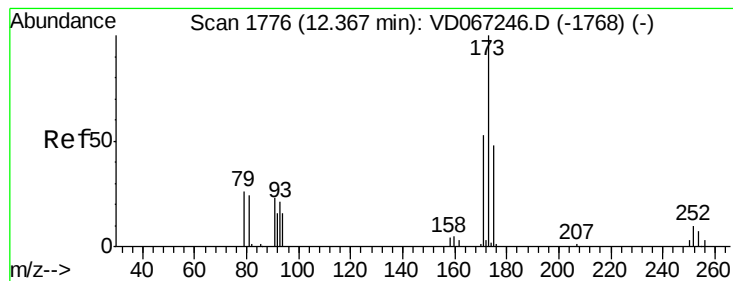
MMDadoda
10/26/2020 1:37:40 PM



#70
Styrene
Concen: 21.983 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	184957		
78	50.1	39.8	59.6	
103	52.4	42.6	64.0	





#71

Bromoform

Concen: 22.300 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion:173 Resp: 38072

Ion Ratio Lower Upper

173 100

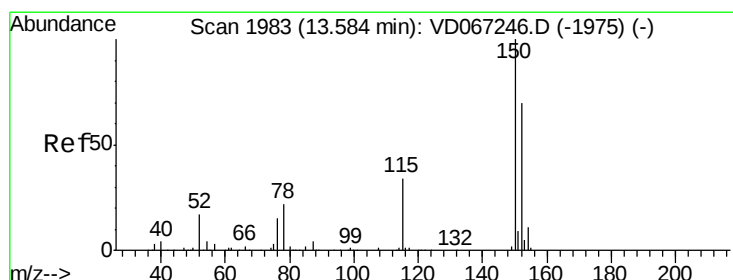
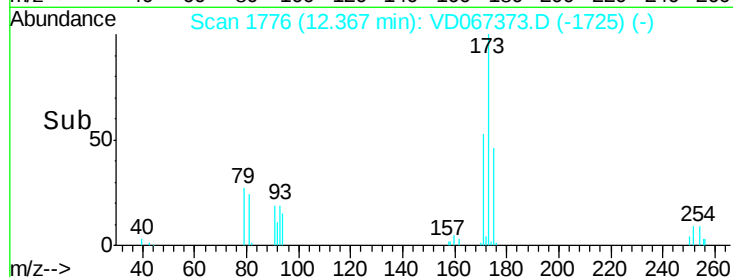
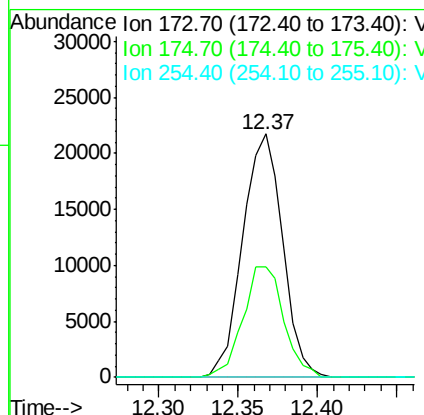
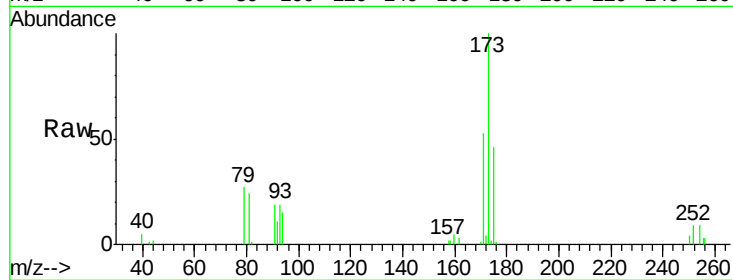
175 46.8 24.2 72.6

254 0.0 0.1 0.1#

Manual Integrations
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10/26/2020 1:37:40 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

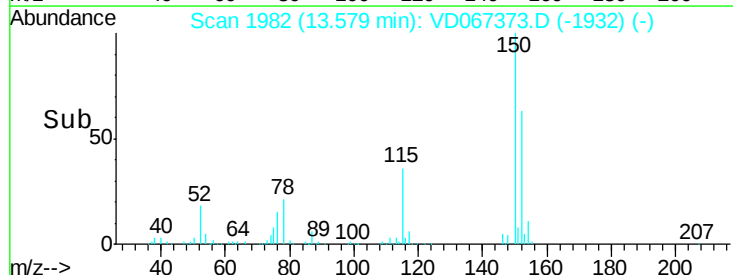
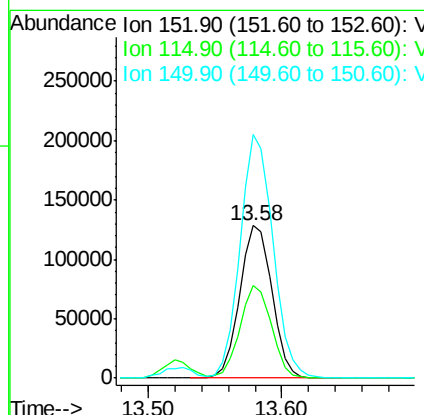
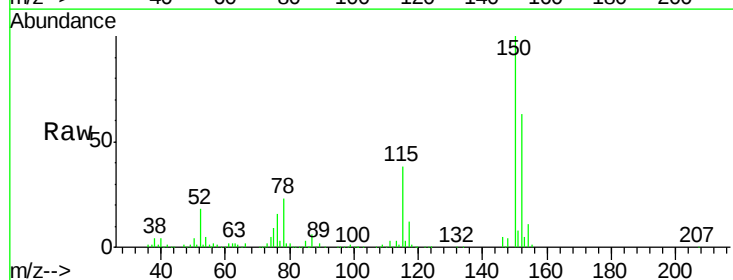
Tgt Ion:152 Resp: 214212

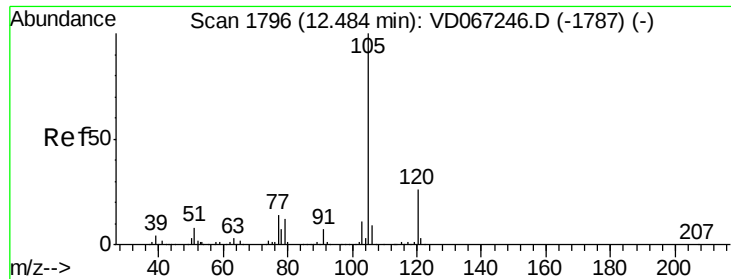
Ion Ratio Lower Upper

152 100

115 59.3 29.3 87.9

150 163.3 0.0 339.0





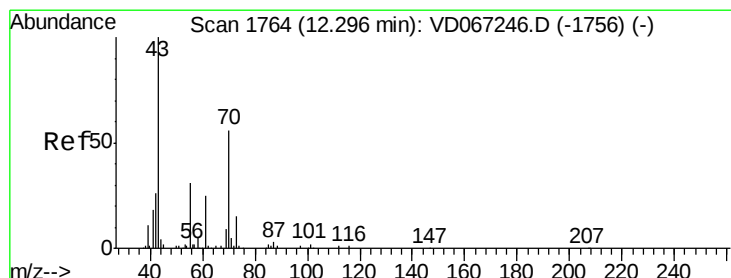
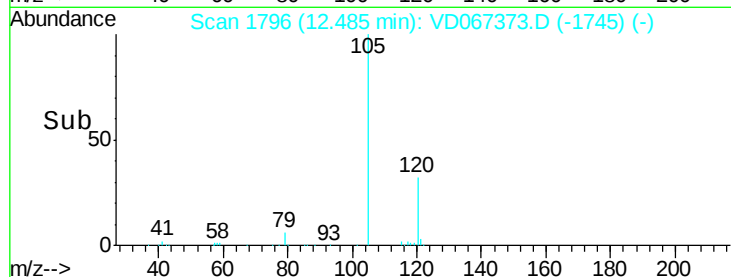
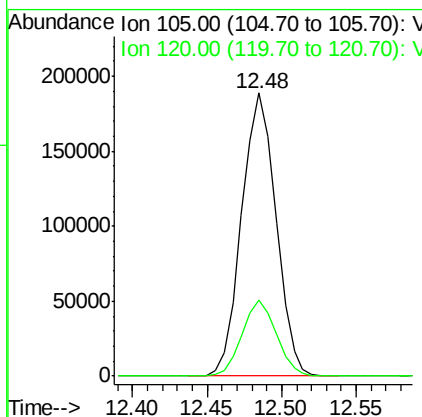
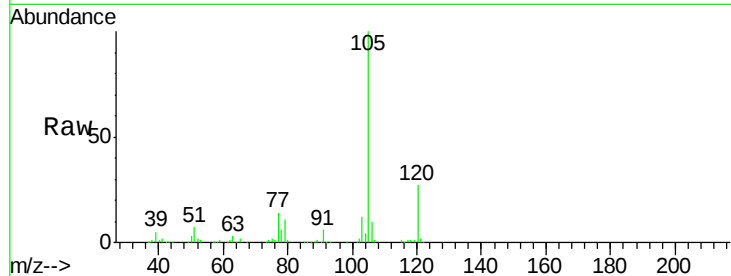
#73
Isopropylbenzene
Concen: 22.177 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.8

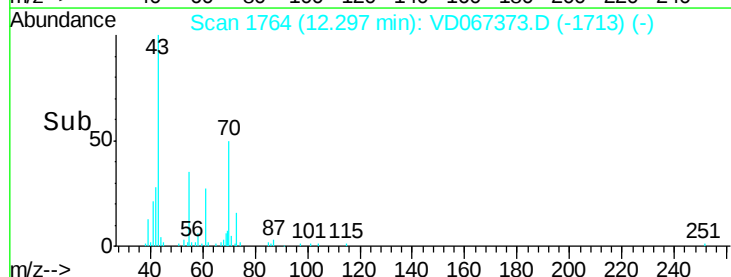
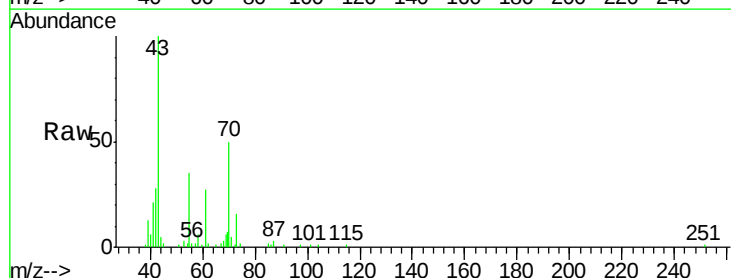
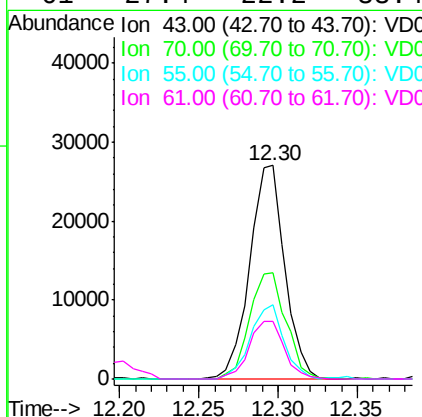
Manual Integrations
APPROVED

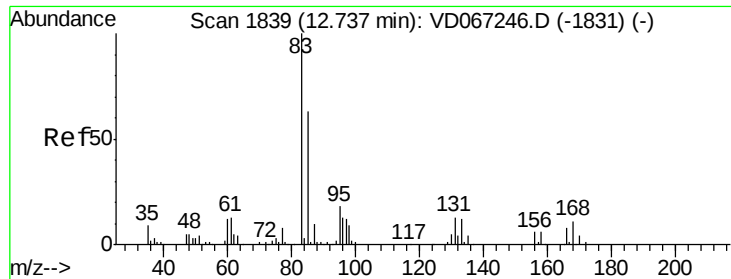
MMDadoda
10/26/2020 1:37:40 PM



#74
N-ethyl acetate
Concen: 20.288 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.0	42.7	64.1
55	33.5	24.0	36.0
61	27.4	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.579 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

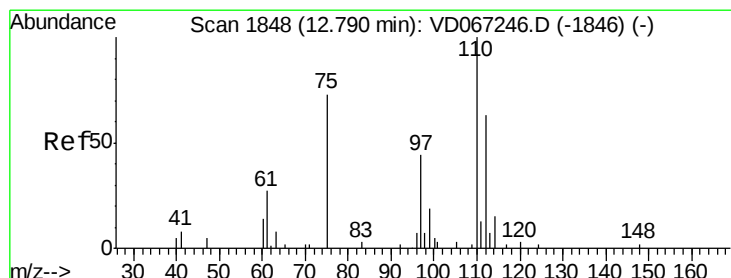
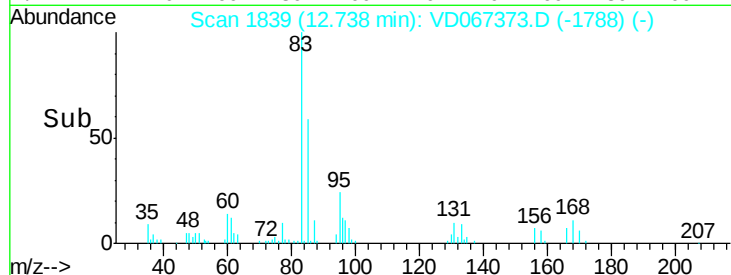
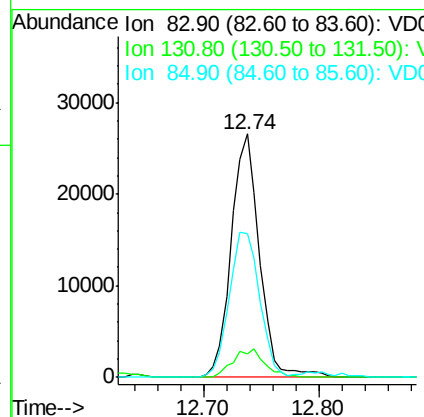
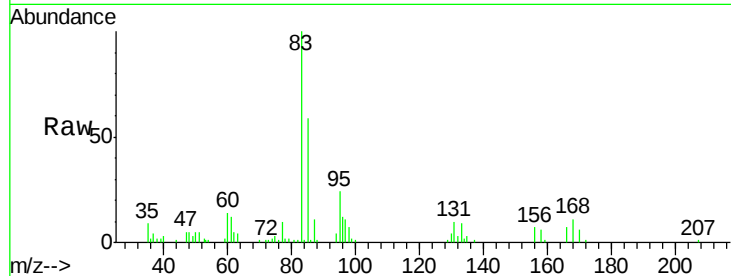
ClientSampleId :

VD1023SBS01

Tot Ion:	83	Resp:	44951
Ion Ratio	Lower	Upper	
83	100		
131	13.0	6.5	19.5
85	64.6	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 18.730 ug/l m

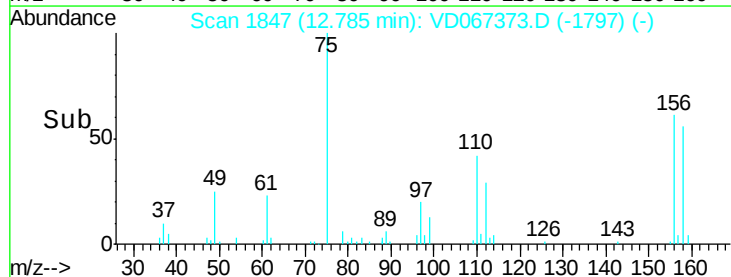
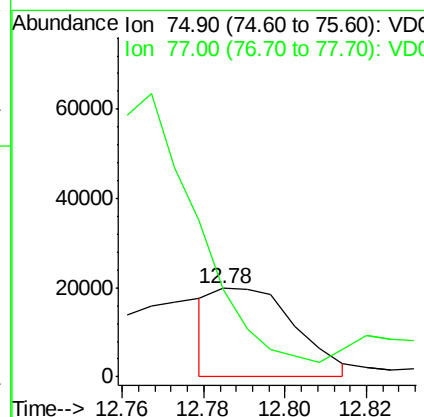
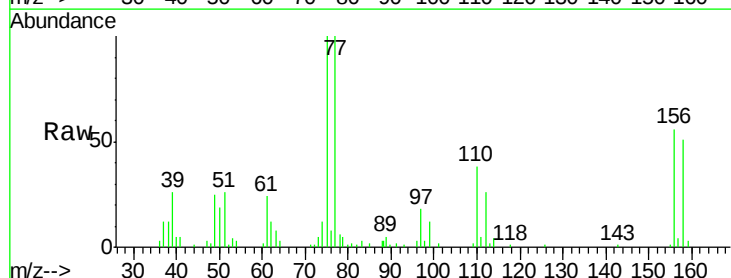
RT: 12.78 min Scan# 1847

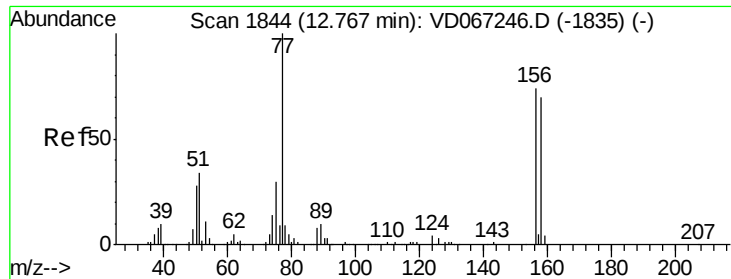
Delta R.T. -0.01 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Tgt Ion:	75	Resp:	27809
Ion Ratio	Lower	Upper	
75	100		
77	414.5	0.0	0.0#





#77

Bromobenzene

Concen: 22.314 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

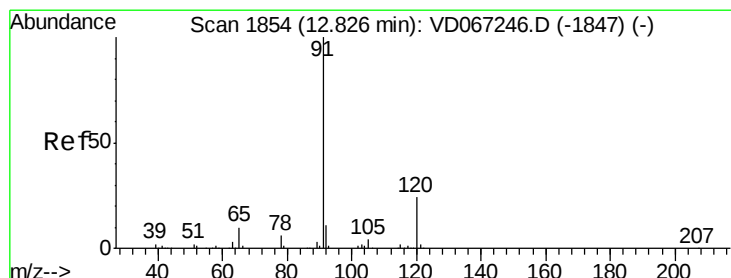
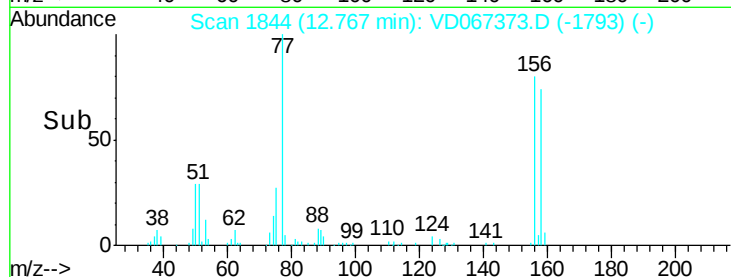
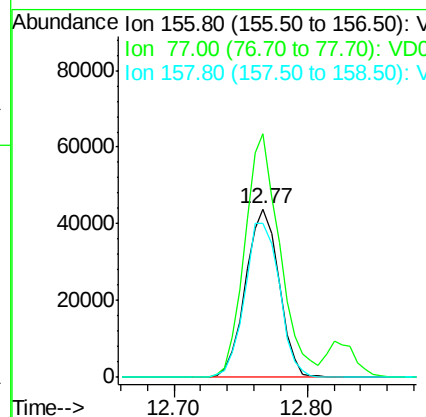
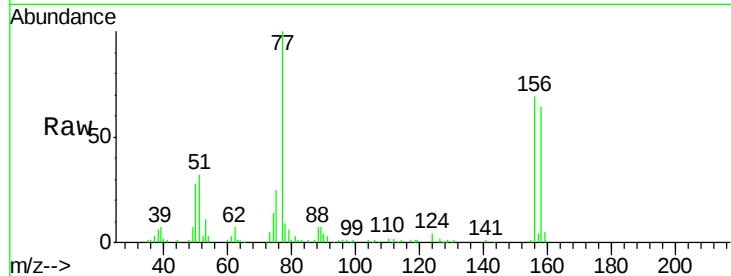
ClientSampleId :

VD1023SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	152.4	78.0	233.8	
158	95.5	49.1	147.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 22.052 ug/l

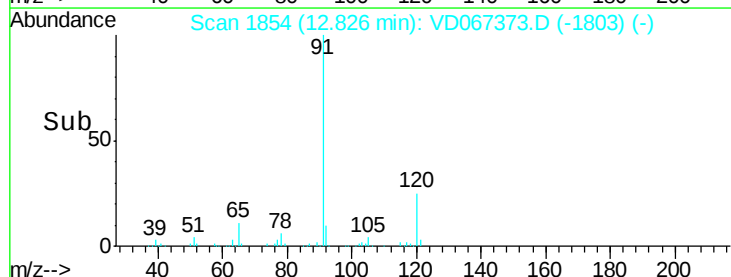
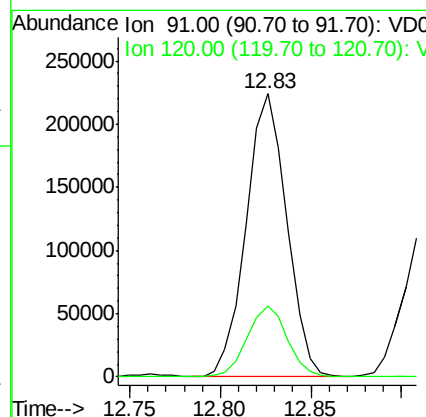
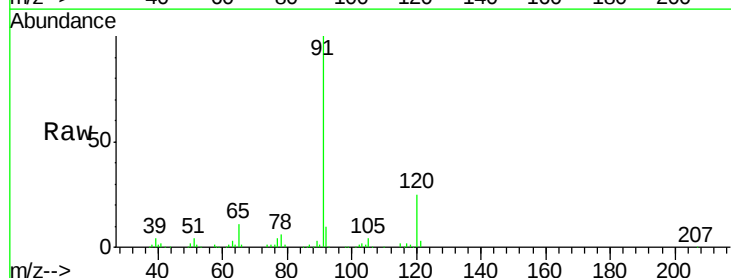
RT: 12.83 min Scan# 1854

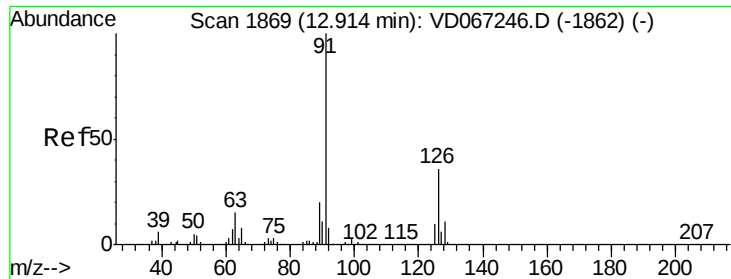
Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.7	11.9	35.9	





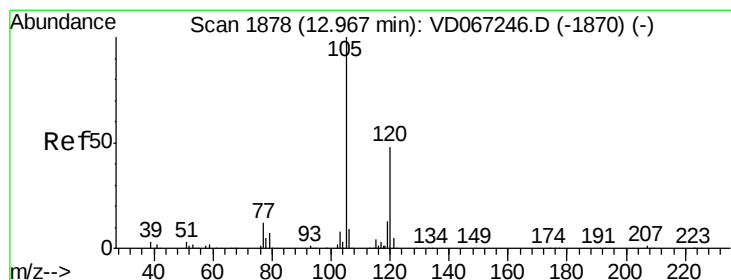
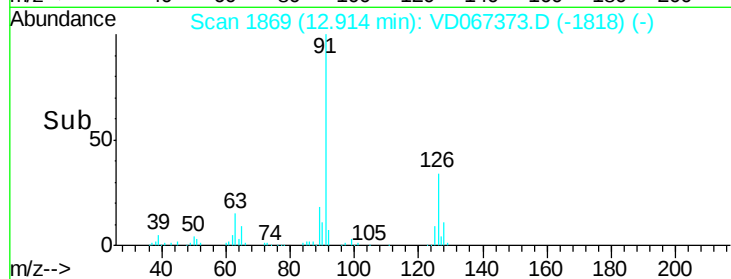
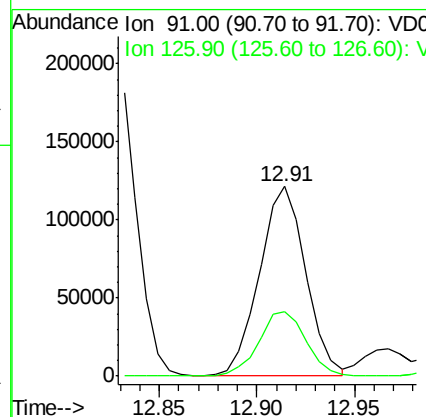
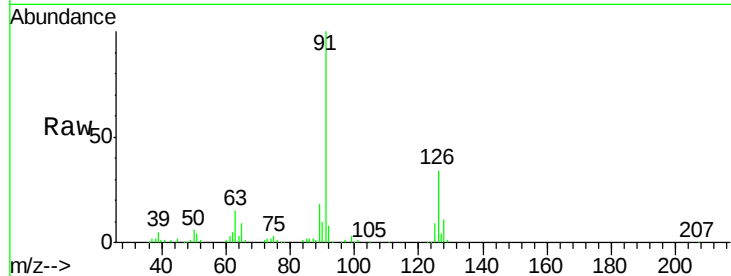
#79
 2-Chlorotoluene
 Concen: 21.735 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion: 91 Resp: 198545
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.6 52.8

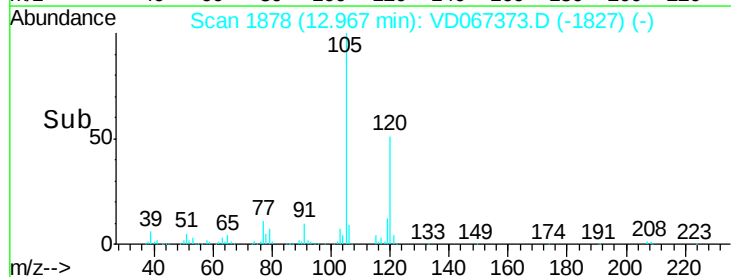
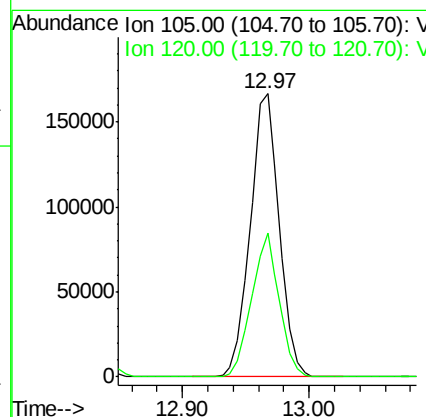
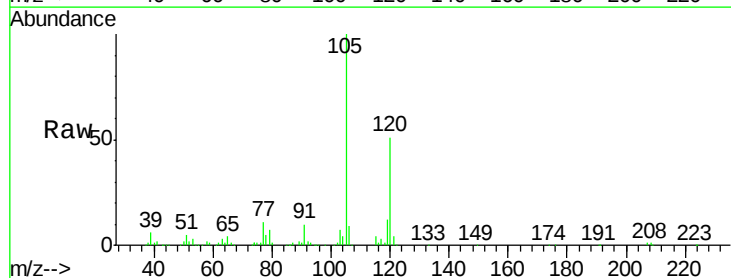
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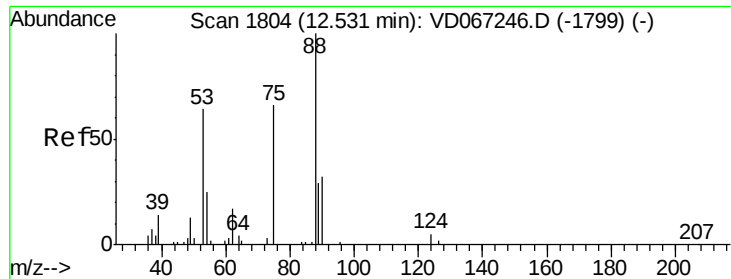
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 10/26/2020 1:37:40 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.445 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Tgt Ion: 105 Resp: 265176
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.8





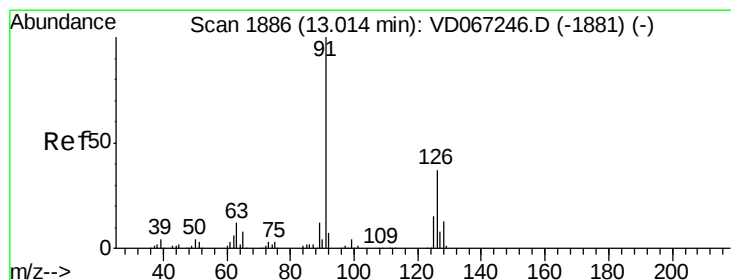
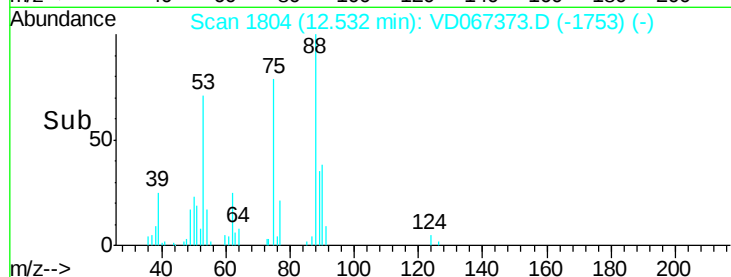
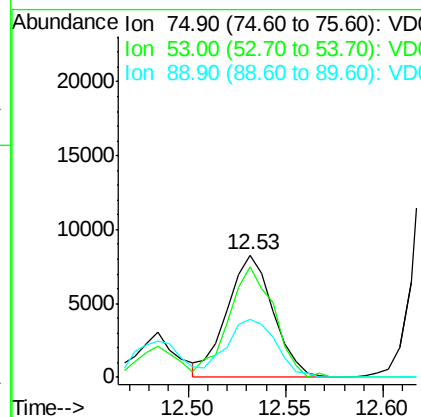
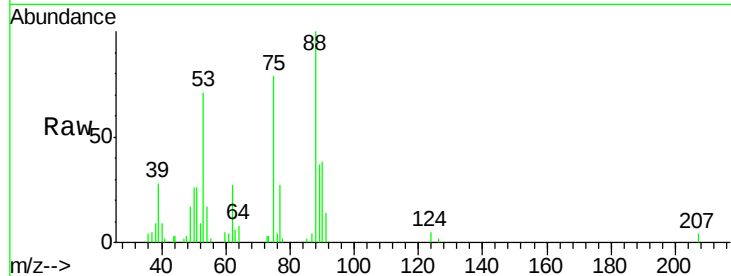
#81
trans-1,4-Dichloro-2-butene
Concen: 20.771 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	78.5	117.7
89	50.2	39.9	59.9

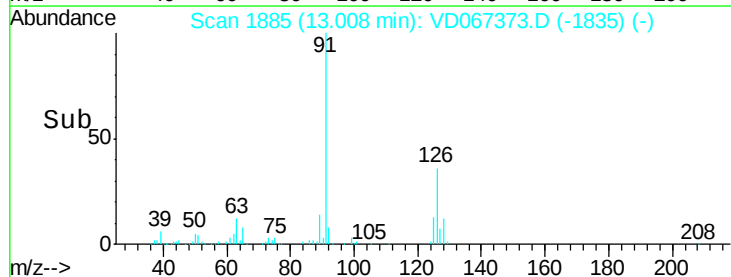
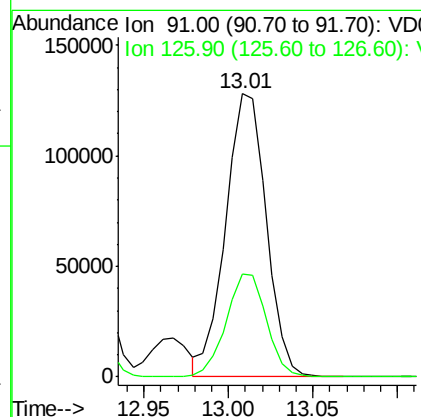
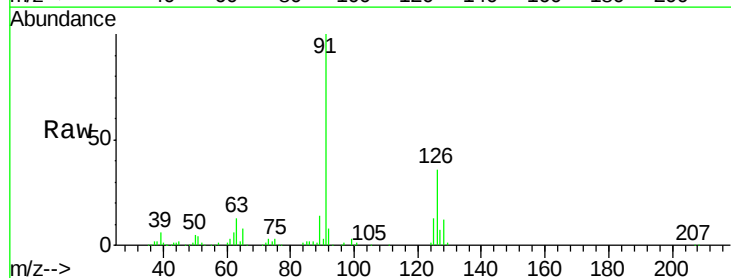
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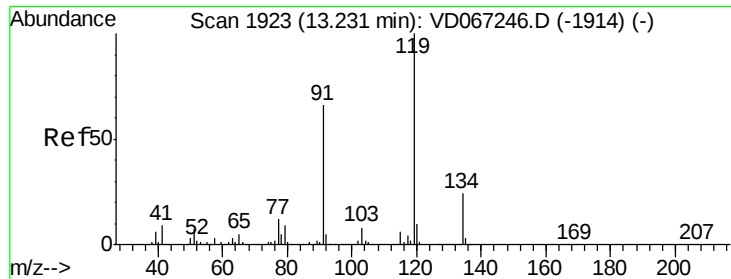
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#82
4-Chlorotoluene
Concen: 22.137 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.8	53.5





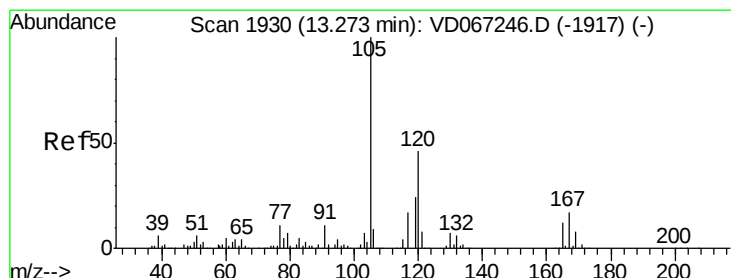
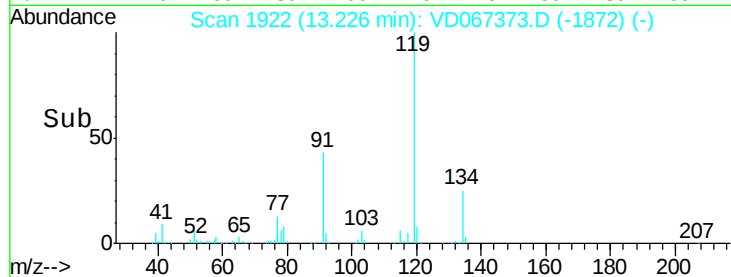
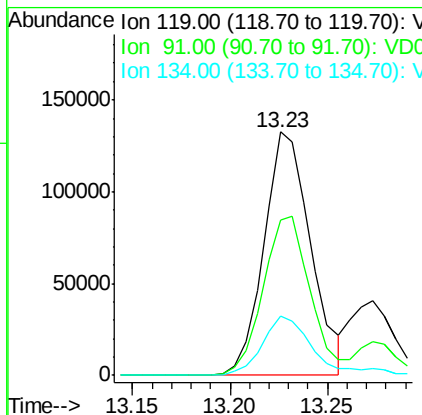
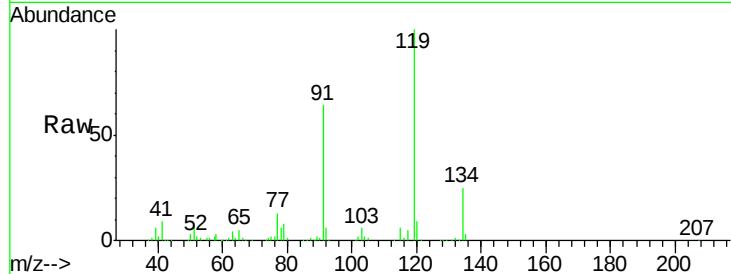
#83
tert-Butylbenzene
Concen: 22.081 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	220358		
91	65.1		33.1	99.2
134	26.5		13.3	39.9

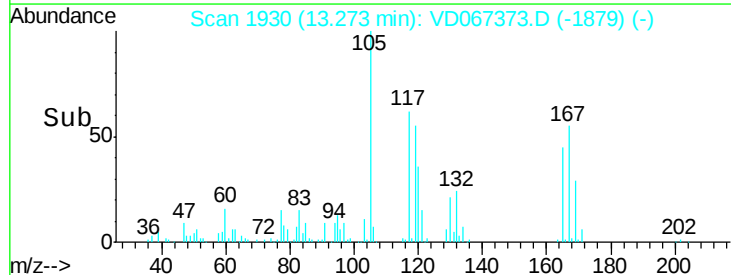
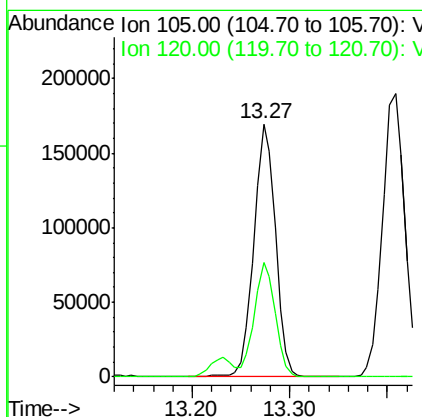
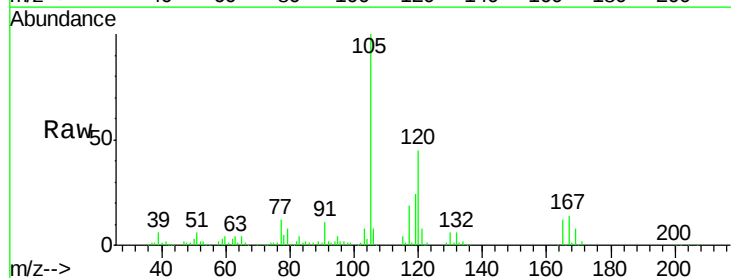
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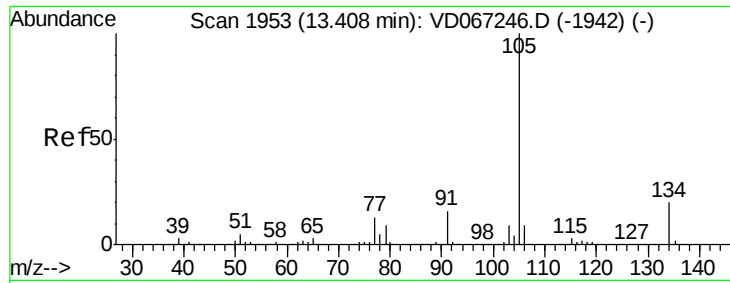
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#84
1,2,4-Trimethylbenzene
Concen: 22.474 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	262424		
120	43.5		22.4	67.3





#85

sec-Butylbenzene

Concen: 21.990 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion:105 Resp: 301126

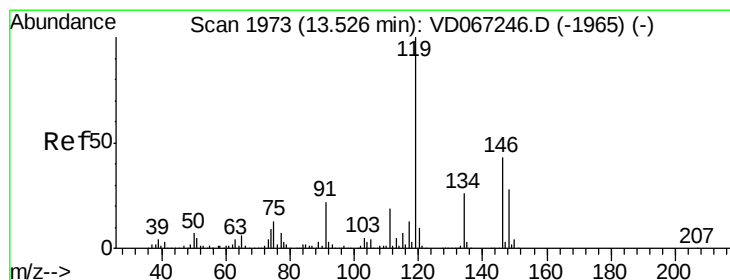
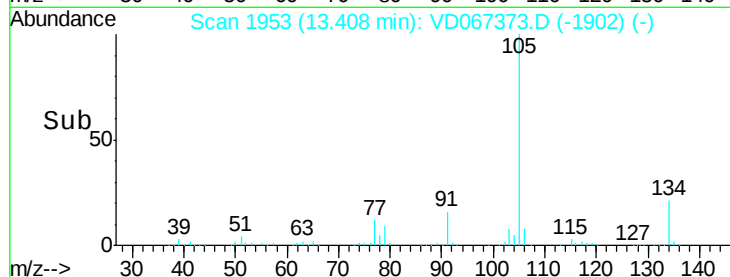
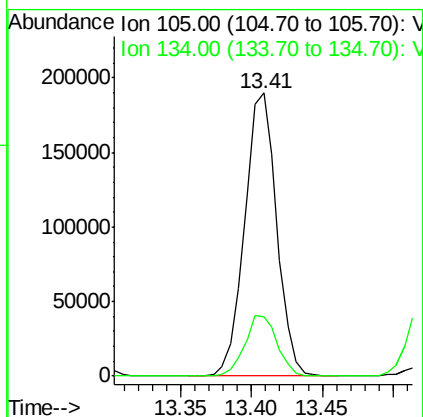
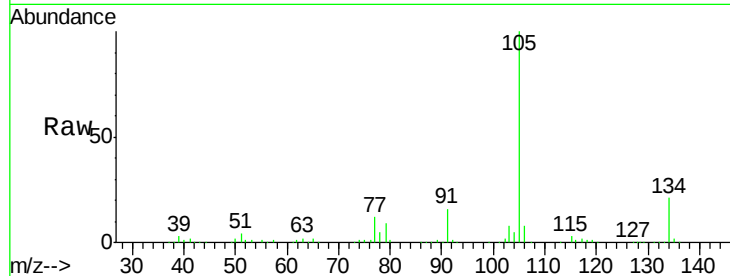
Ion Ratio Lower Upper

105 100

134 21.7 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 22.147 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

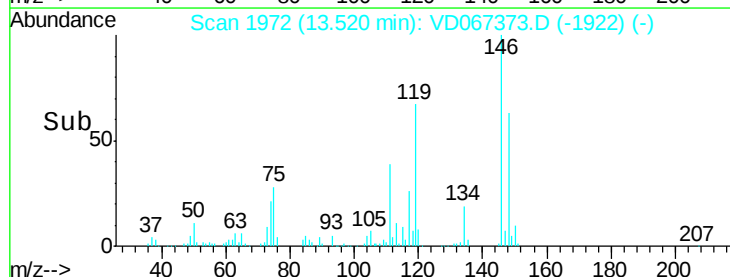
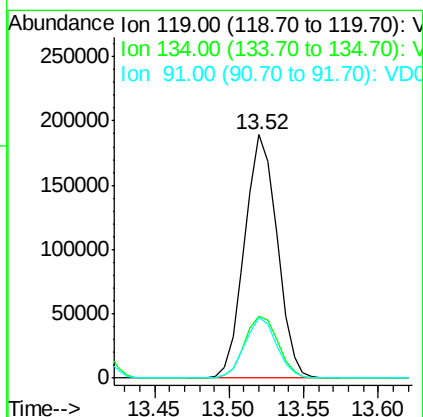
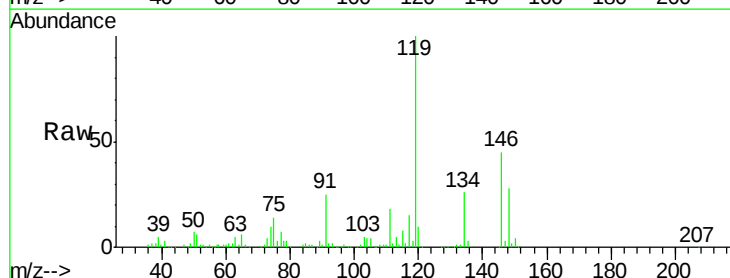
Tgt Ion:119 Resp: 286248

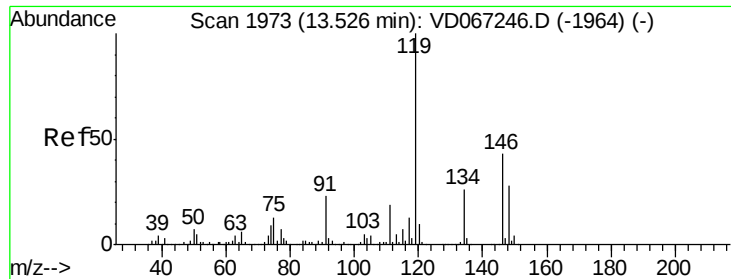
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 24.1 11.9 35.9





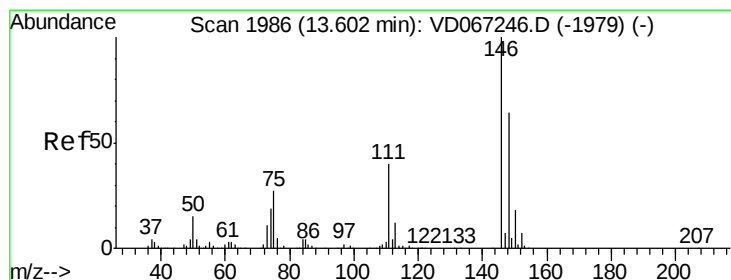
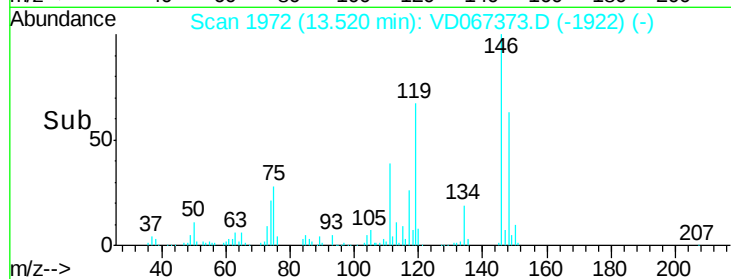
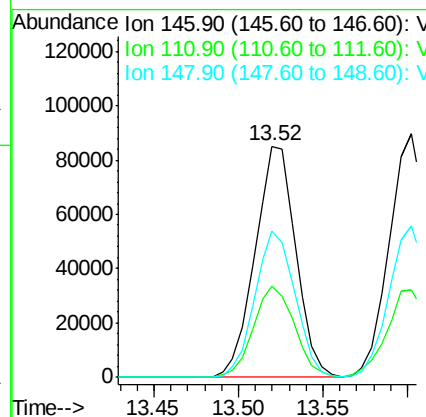
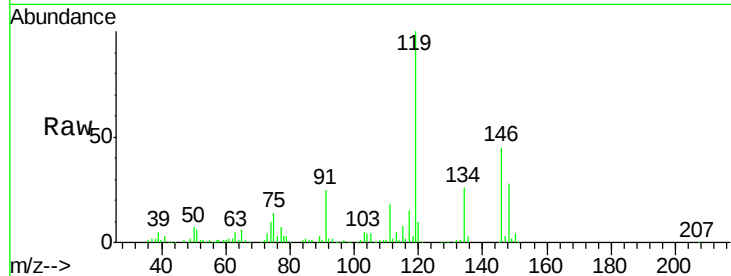
#87
 1,3-Dichlorobenzene
 Concen: 21.911 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	142946		
111	39.8	21.1	63.3	
148	62.5	31.9	95.9	

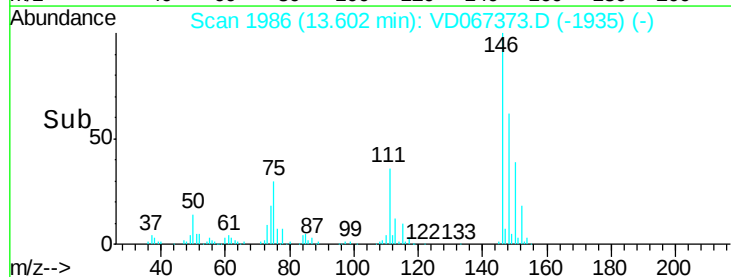
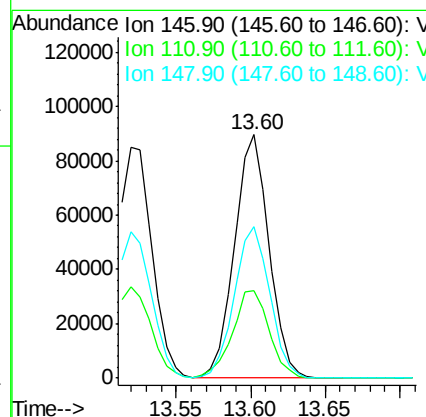
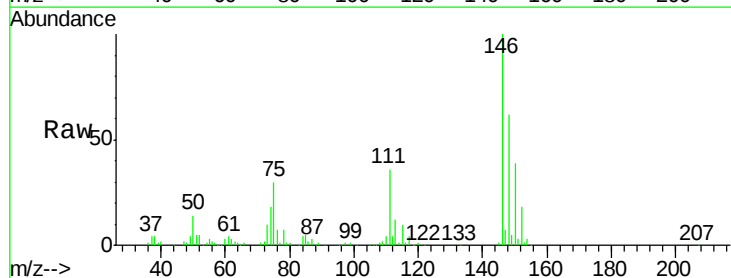
Manual Integrations
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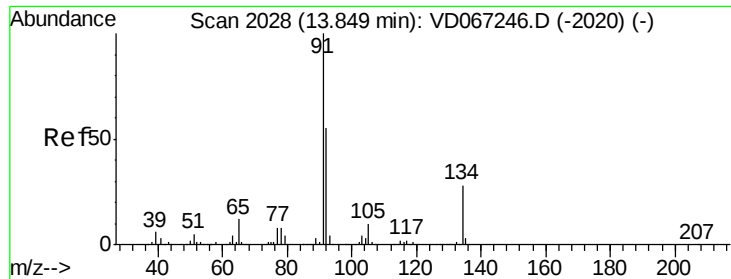
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#88
 1,4-Dichlorobenzene
 Concen: 22.391 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	144728		
111	38.4	19.9	59.7	
148	63.8	31.9	95.9	





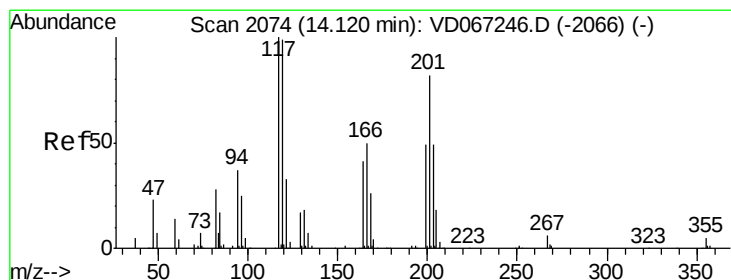
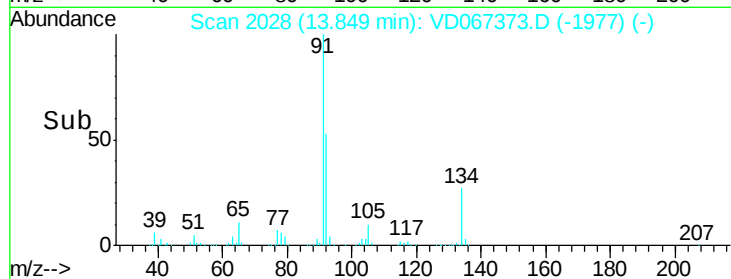
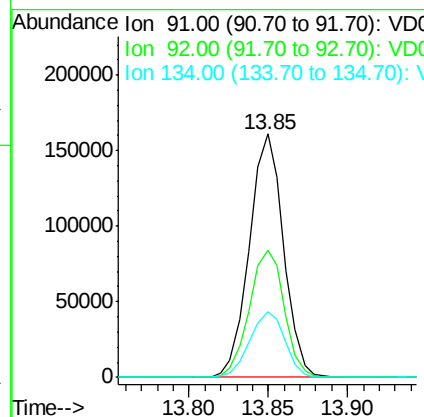
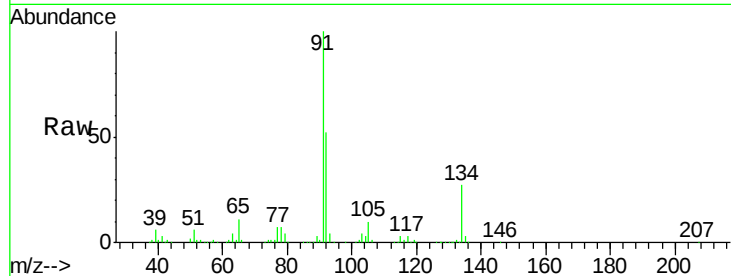
#89
n-Butylbenzene
Concen: 21.167 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	26.7	80.0	
134	27.9	14.2	42.6	

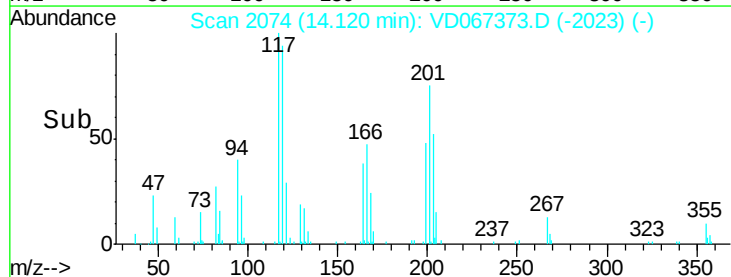
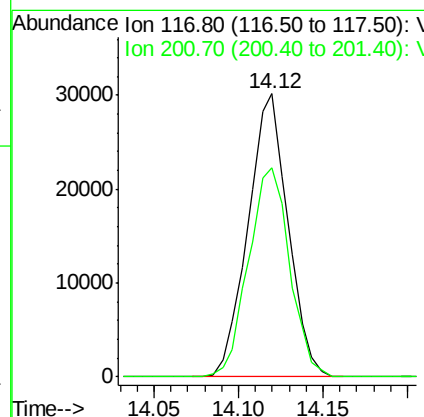
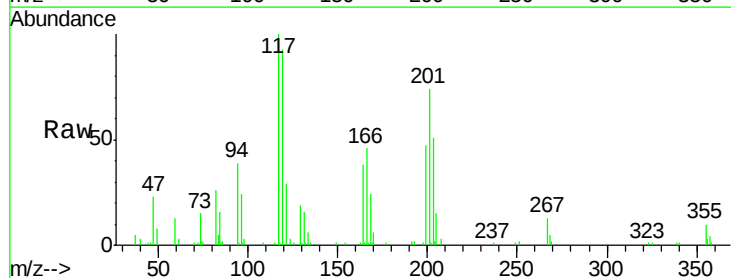
Manual Integrations
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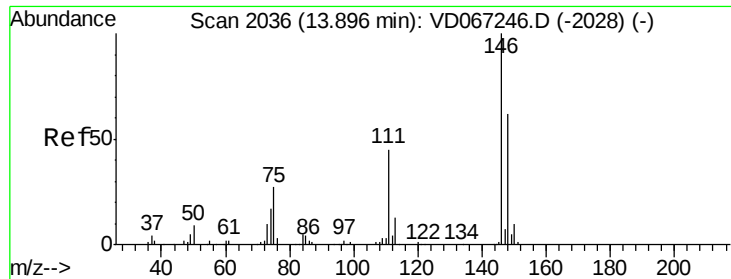
MMDadoda
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#90
Hexachloroethane
Concen: 22.000 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067373.D
Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.2	40.8	122.2	





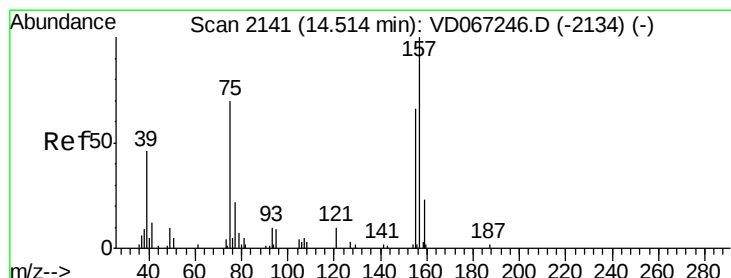
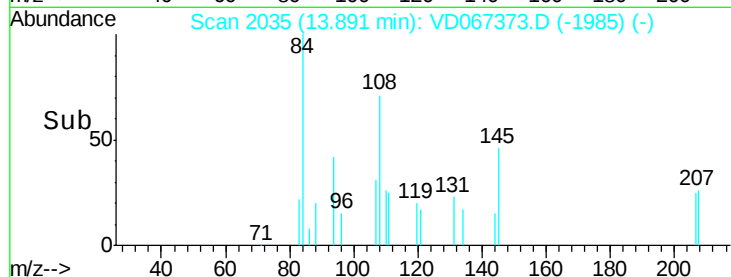
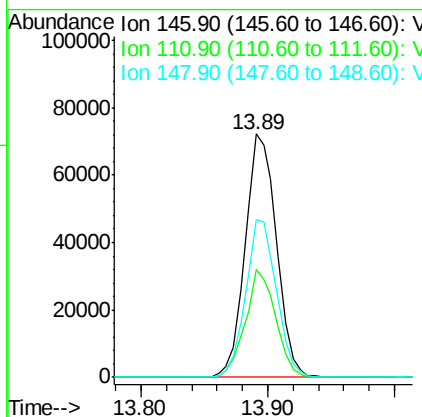
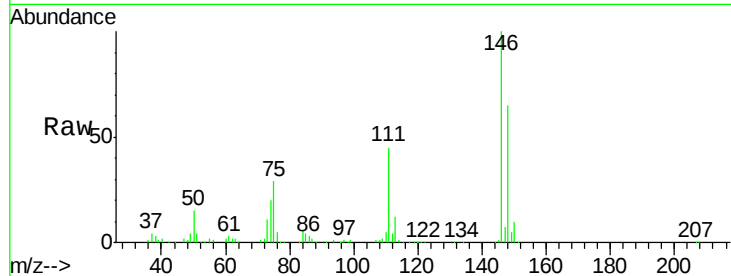
#91
 1,2-Dichlorobenzene
 Concen: 21.749 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123953		
111	43.0	22.0	66.0	
148	63.7	32.5	97.5	

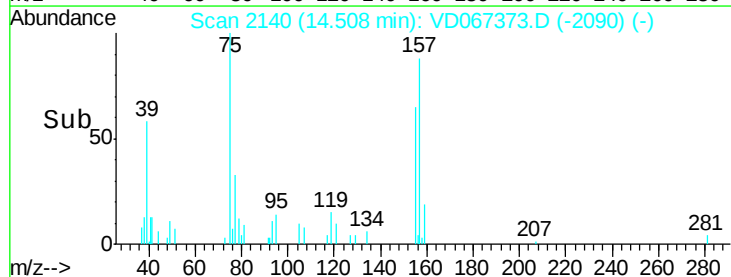
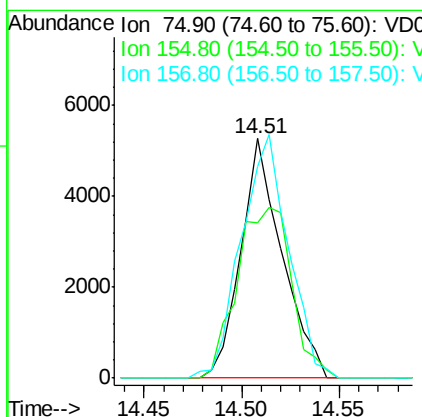
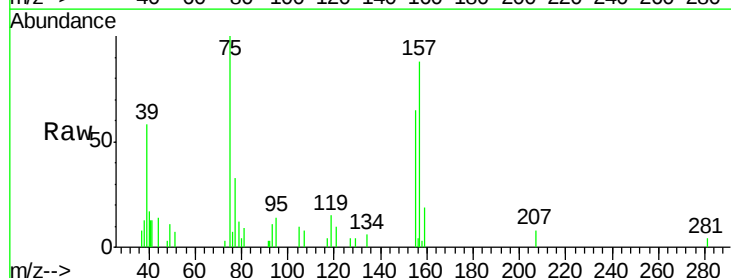
Manual Integrations
 APPROVED

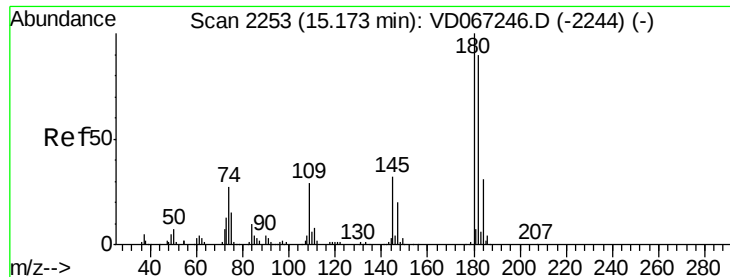
MMDadoda
 10/26/2020 1:37:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.407 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067373.D
 Acq: 23 Oct 2020 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7723		
155	94.3	44.8	134.4	
157	116.5	62.5	187.4	





#93

1,2,4-Trichlorobenzene

Concen: 21.833 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. -0.01 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

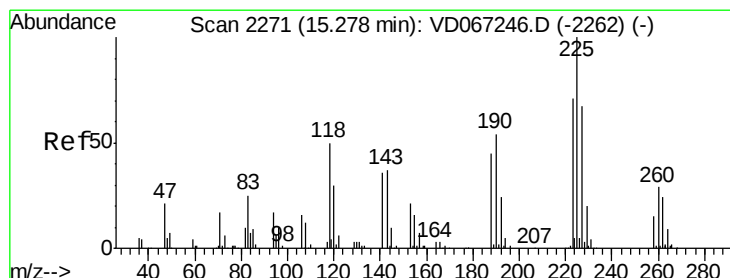
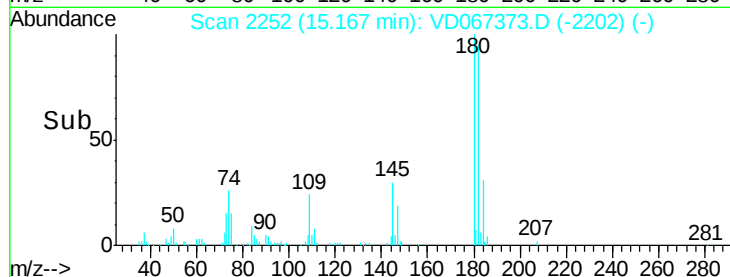
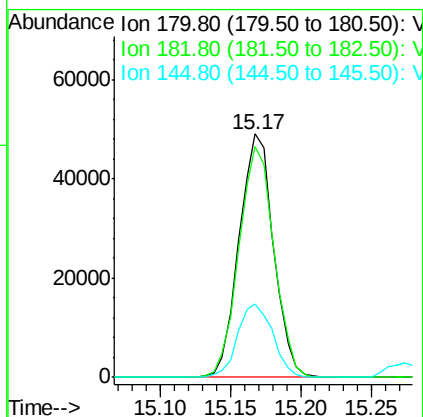
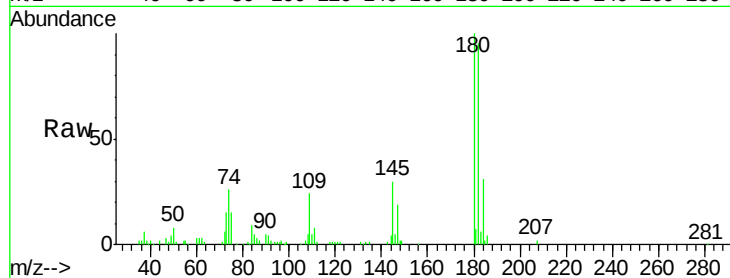
ClientSampleId :

VD1023SBS01

Tot Ion:	180	Resp:	83895
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.1	144.4
145	30.8	16.3	48.9

Manual Integrations
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10/26/2020 1:37:40 PM



#94

Hexachlorobutadiene

Concen: 23.546 ug/l

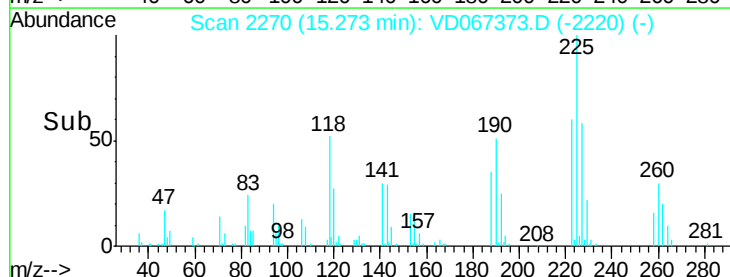
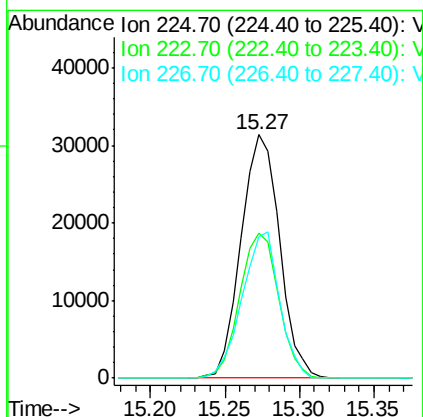
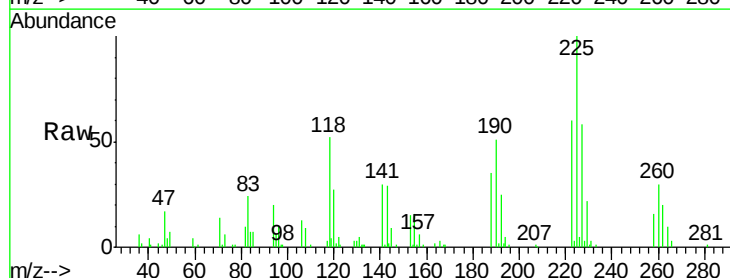
RT: 15.27 min Scan# 2270

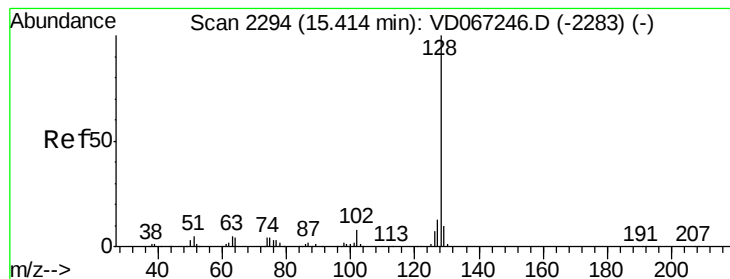
Delta R.T. -0.01 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Tgt Ion:	225	Resp:	56185
Ion Ratio	Lower	Upper	
225	100		
223	60.2	31.9	95.7
227	58.0	31.2	93.6





#95

Naphthalene

Concen: 20.000 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Instrument :

MSVOA_D

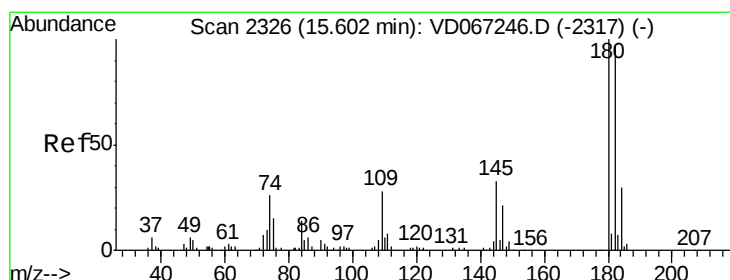
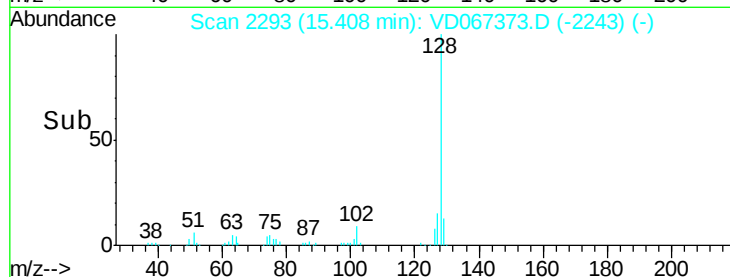
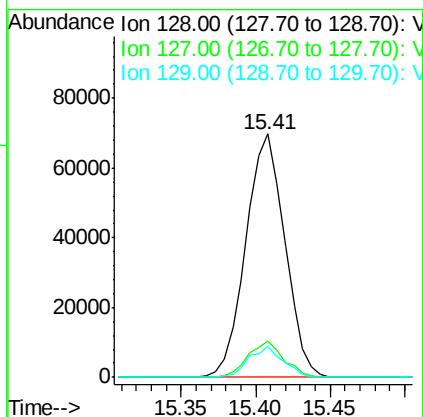
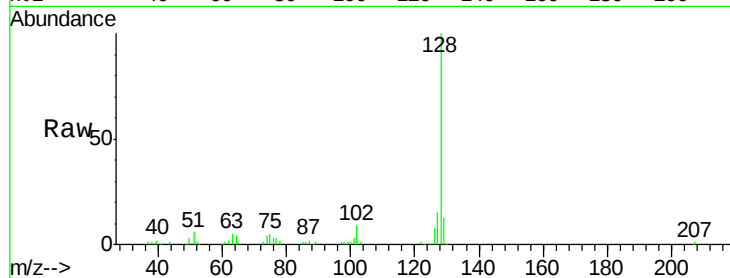
ClientSampleId :

VD1023SBS01

Tot Ion:	128	Resp:	126178
Ion Ratio		Lower	Upper
128	100		
127	13.7	10.4	15.6
129	11.2	8.6	12.8

Manual Integrations
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10/26/2020 1:37:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.617 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067373.D

Acq: 23 Oct 2020 11:10

Tgt Ion:	180	Resp:	71760
Ion Ratio		Lower	Upper
180	100		
182	96.0	48.1	144.3
145	34.3	17.3	51.9

