

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067356.D
 Acq On : 22 Oct 2020 12:27
 Operator : VA/SY
 Sample : VD1022SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:11:58 PM

Quant Time: Oct 22 15:48:49 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	301840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	441390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	406487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	150202	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	7.92	113	153969	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.34	98	561709	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	12.64	95	199441	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	57147	21.055	ug/l	94
3) Chloromethane	2.20	50	40429	21.283	ug/l	93
4) Vinyl Chloride	2.35	62	44716	21.454	ug/l	97
5) Bromomethane	2.76	94	35649	23.325	ug/l	98
6) Chloroethane	2.91	64	27451	21.148	ug/l #	87
7) Trichlorofluoromethane	3.27	101	112316	21.400	ug/l	100
8) Diethyl Ether	3.71	74	23477	19.548	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	59773	21.436	ug/l	98
10) Methyl Iodide	4.29	142	47825	18.593	ug/l	96
11) Tert butyl alcohol	5.21	59	14328	55.694	ug/l #	96
12) 1,1-Dichloroethene	4.06	96	52458	21.058	ug/l	96
13) Acrolein	3.92	56	9107	67.687	ug/l	97
14) Allyl chloride	4.71	41	56748	19.892	ug/l	98
15) Acrylonitrile	5.41	53	41557	103.702	ug/l	99
16) Acetone	4.16	43	41967	99.093	ug/l	98
17) Carbon Disulfide	4.41	76	142191	20.022	ug/l	99
18) Methyl Acetate	4.72	43	18307	18.952	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	104111	21.018	ug/l	92
20) Methylene Chloride	4.96	84	62360	20.323	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	60631	21.150	ug/l	97
22) Diisopropyl ether	6.36	45	111791	21.451	ug/l	93
23) Vinyl Acetate	6.30	43	305944	103.189	ug/l	96
24) 1,1-Dichloroethane	6.27	63	96508	21.634	ug/l	100
25) 2-Butanone	7.21	43	47114	97.593	ug/l #	80
26) 2,2-Dichloropropane	7.21	77	97394	21.181	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	67974	21.635	ug/l	99
28) Bromochloromethane	7.55	49	29264	19.232	ug/l	99
29) Tetrahydrofuran	7.57	42	27192	101.328	ug/l	97
30) Chloroform	7.71	83	118491	22.235	ug/l	90
31) Cyclohexane	7.98	56	72663	20.862	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	114296	21.859	ug/l	96
36) 1,1-Dichloropropene	8.11	75	83618	22.351	ug/l	99
37) Ethyl Acetate	7.30	43	23219	21.095	ug/l	97
38) Carbon Tetrachloride	8.10	117	108705	22.735	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	84264	21.545	ug/l	98
40) Benzene	8.36	78	231086	22.516	ug/l	99
41) Methacrylonitrile	7.53	41	11377m	19.128	ug/l	
42) 1,2-Dichloroethane	8.43	62	71540	22.274	ug/l	99
43) Isopropyl Acetate	8.46	43	45450	20.810	ug/l	96
44) Trichloroethene	9.11	130	73504	22.369	ug/l	99
45) 1,2-Dichloropropane	9.39	63	49868	20.965	ug/l	94
46) Dibromomethane	9.48	93	32408	21.868	ug/l	96
47) Bromodichloromethane	9.67	83	86981	21.907	ug/l	97
48) Methyl methacrylate	9.46	41	20790	19.588	ug/l	97
49) 1,4-Dioxane	9.46	88	6679	448.975	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	113371	104.073	ug/l	98
52) Toluene	10.41	92	162779	23.286	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	76541	21.944	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	89564	21.941	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	44804	22.171	ug/l	98
56) Ethyl methacrylate	10.67	69	44129	21.055	ug/l	95
57) 1,3-Dichloropropane	10.95	76	68975	21.447	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	114119	106.139	ug/l	98
59) 2-Hexanone	10.98	43	75107	100.899	ug/l	100
60) Dibromochloromethane	11.14	129	65896	22.359	ug/l	99
61) 1,2-Dibromoethane	11.25	107	43107	21.637	ug/l	100
64) Tetrachloroethene	10.88	164	63492	21.558	ug/l	96
65) Chlorobenzene	11.67	112	176013	22.581	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	71593	23.109	ug/l	99
67) Ethyl Benzene	11.75	91	304545	22.792	ug/l	96
68) m/p-Xylenes	11.86	106	242483	47.126	ug/l	95
69) o-Xylene	12.18	106	104939	22.024	ug/l	96
70) Styrene	12.20	104	187121	22.814	ug/l	99
71) Bromoform	12.37	173	36028	21.647	ug/l #	99
73) Isopropylbenzene	12.48	105	304607	23.216	ug/l	100
74) N-amyl acetate	12.29	43	42658	21.527	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	42131	20.957	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	33169m	23.149	ug/l	
77) Bromobenzene	12.77	156	75241	23.002	ug/l	96
78) n-propylbenzene	12.83	91	348821	22.946	ug/l	99
79) 2-Chlorotoluene	12.91	91	201817	22.892	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	262295	23.005	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13344	21.119	ug/l	97
82) 4-Chlorotoluene	13.01	91	214744	22.951	ug/l	98
83) tert-Butylbenzene	13.23	119	222522	23.104	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	259451	23.023	ug/l	98
85) sec-Butylbenzene	13.41	105	298379	22.578	ug/l	99
86) p-Isopropyltoluene	13.52	119	287626	23.059	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	146105	23.206	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	143676	23.033	ug/l	99
89) n-Butylbenzene	13.85	91	243723	22.210	ug/l	98
90) Hexachloroethane	14.12	117	49752	22.856	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	120065	21.829	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7764	21.258	ug/l	89

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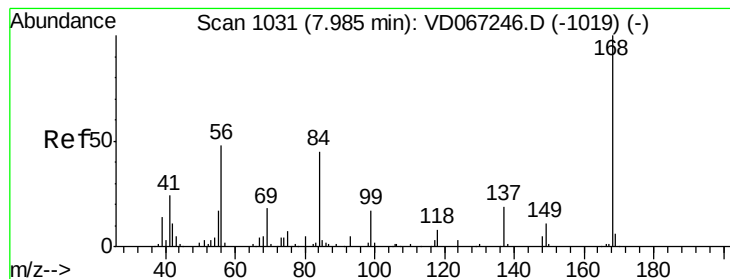
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	83205	22.437	ug/l	97
94) Hexachlorobutadiene	15.27	225	54846	23.816	ug/l	98
95) Naphthalene	15.41	128	124246	20.407	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	71451	22.303	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion:168 Resp: 301840

Ion Ratio Lower Upper

168 100

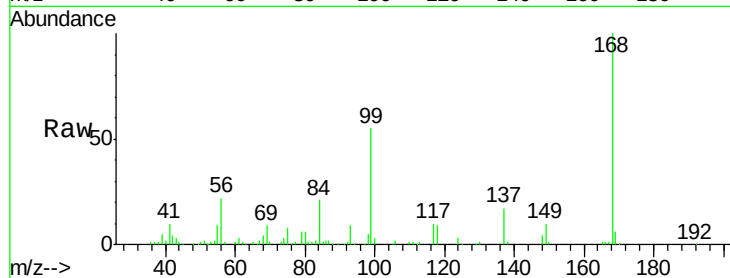
99 54.6 45.9 68.9

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

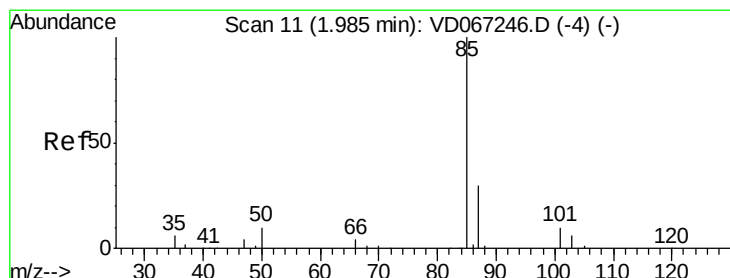
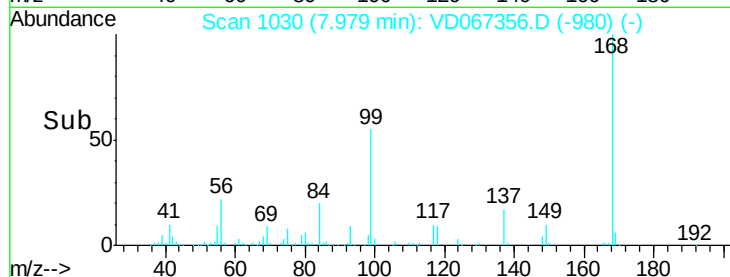
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.055 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067356.D

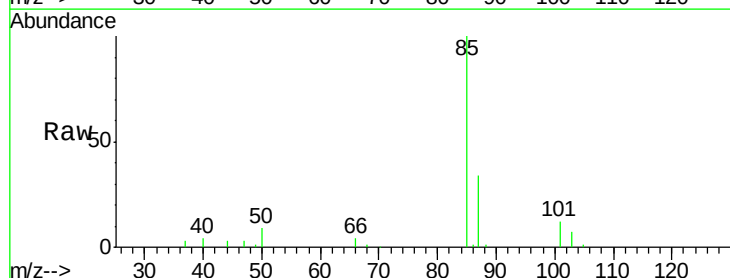
Acq: 22 Oct 2020 12:27

Tgt Ion: 85 Resp: 57147

Ion Ratio Lower Upper

85 100

87 33.9 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

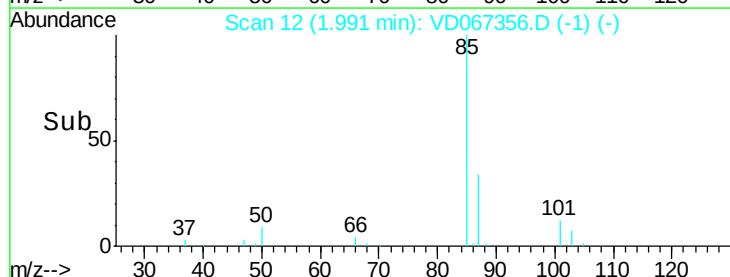
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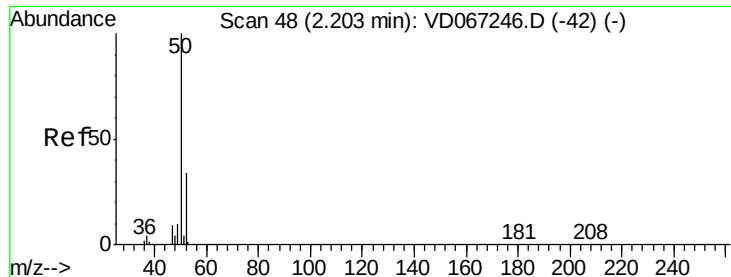
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.283 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 50 Resp: 40429

Ion Ratio Lower Upper

50 100

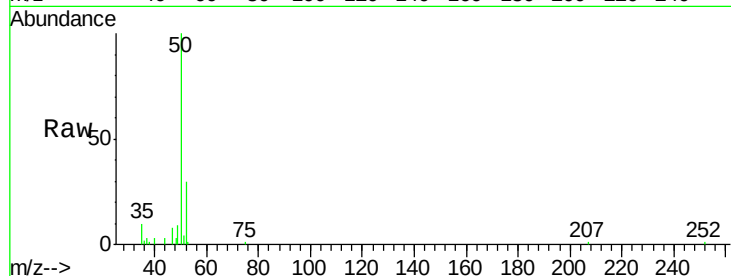
52 29.6 27.1 40.7

Manual Integrations

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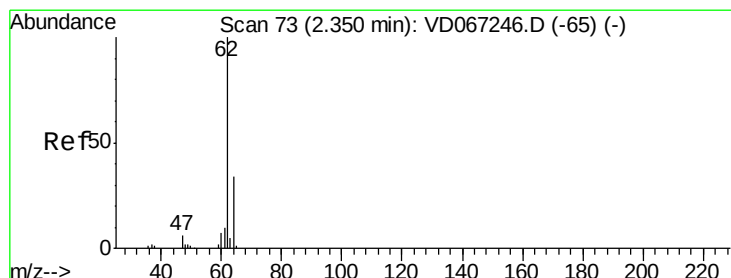
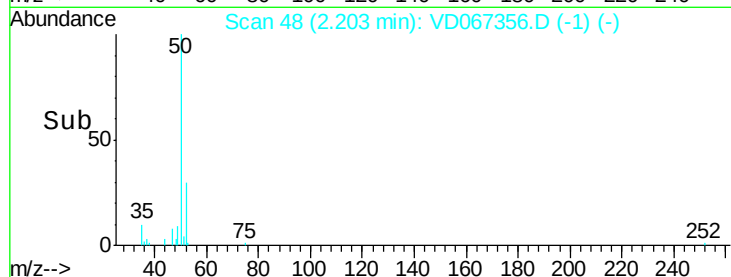
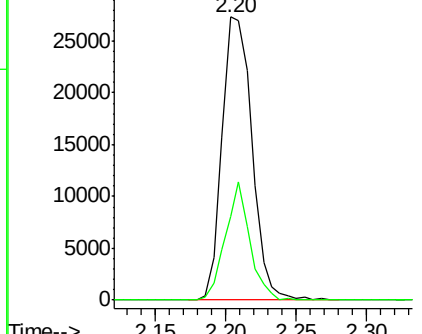
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.454 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067356.D

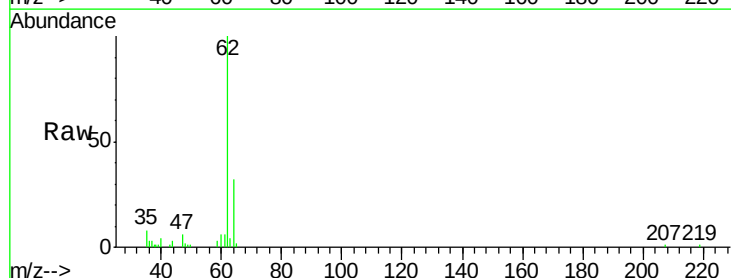
Acq: 22 Oct 2020 12:27

Tgt Ion: 62 Resp: 44716

Ion Ratio Lower Upper

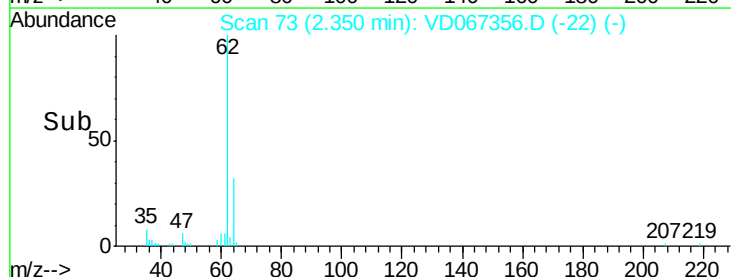
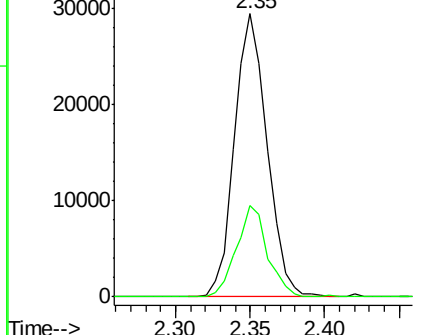
62 100

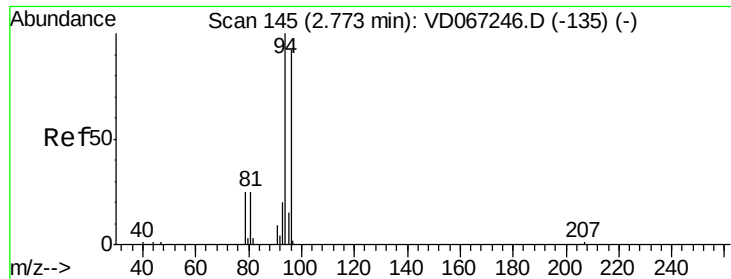
64 32.4 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 23.325 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 94 Resp: 35649

Ion Ratio Lower Upper

94 100

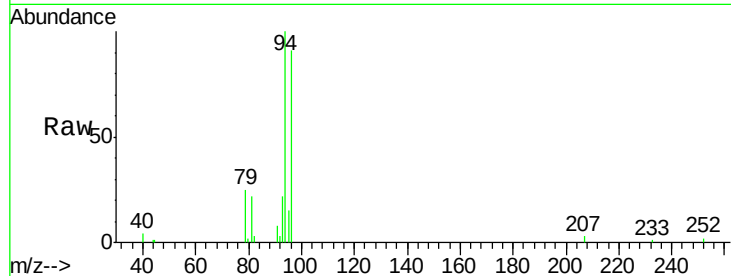
96 90.2 73.8 110.6

Manual Integrations

APPROVED

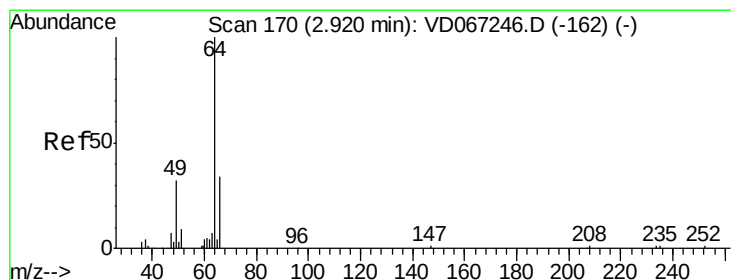
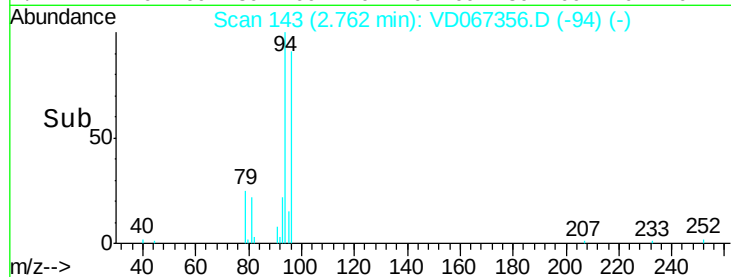
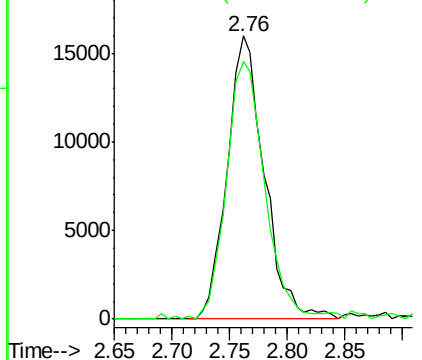
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.148 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067356.D

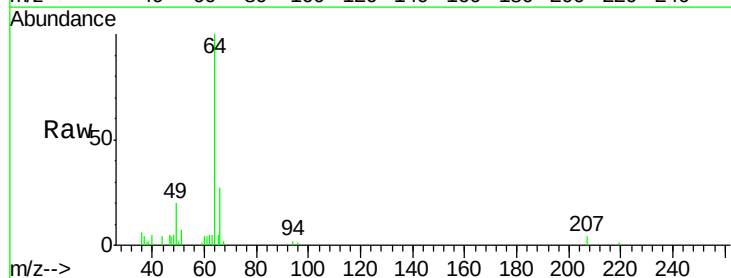
Acq: 22 Oct 2020 12:27

Tgt Ion: 64 Resp: 27451

Ion Ratio Lower Upper

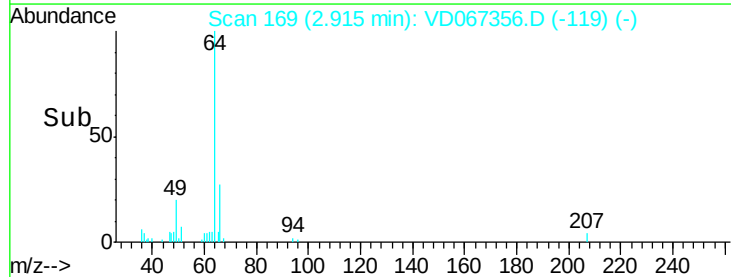
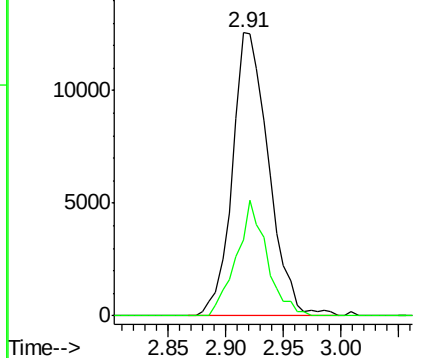
64 100

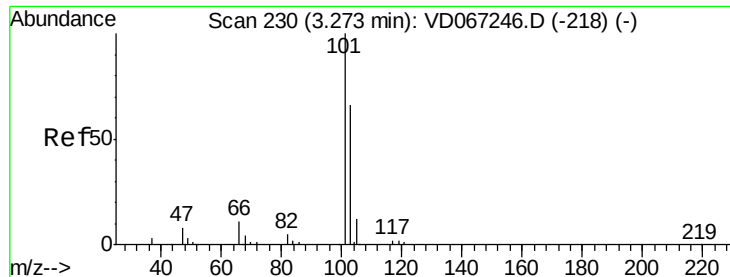
66 26.9 27.4 41.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

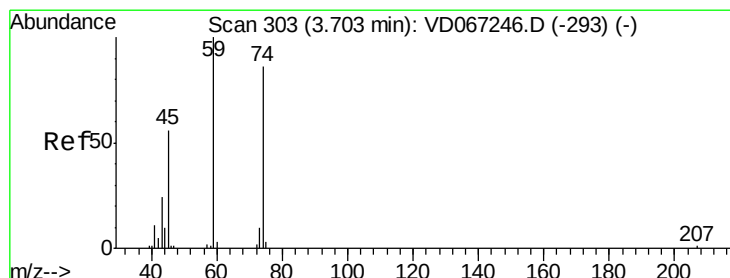
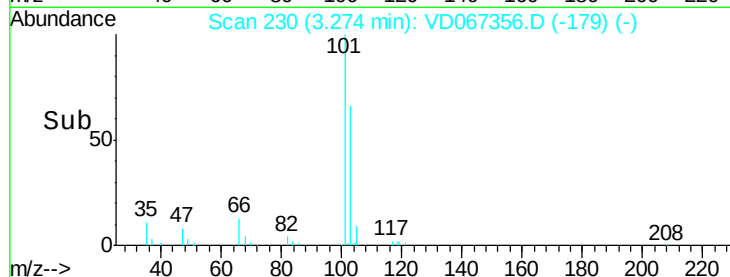
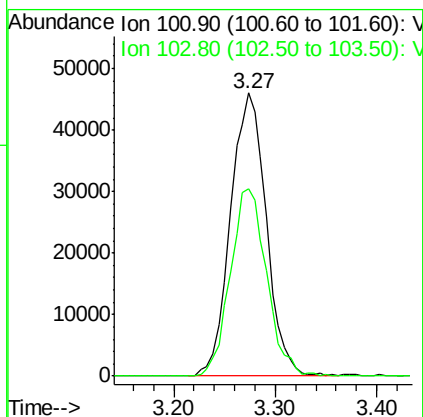
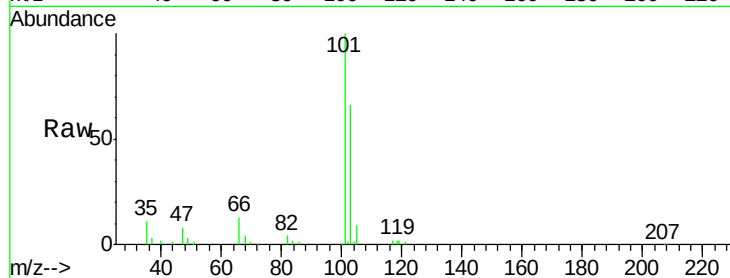
Trichlorofluoromethane
Concen: 21.400 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
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VD1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	112316		
103	66.1	53.1	79.7	

Manual Integrations
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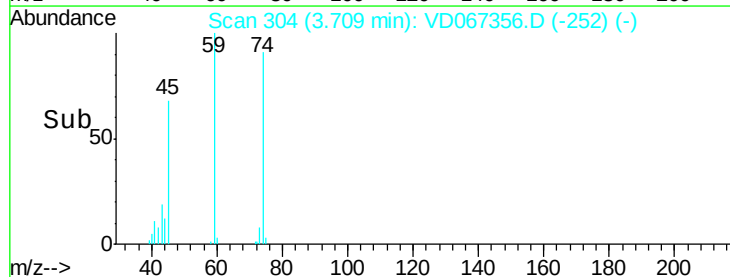
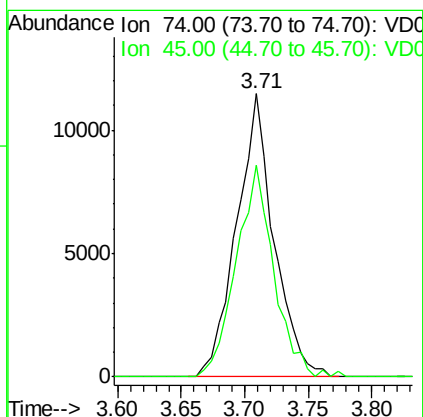
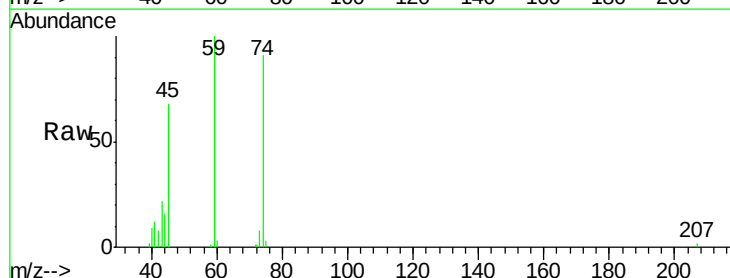
MMDadoda
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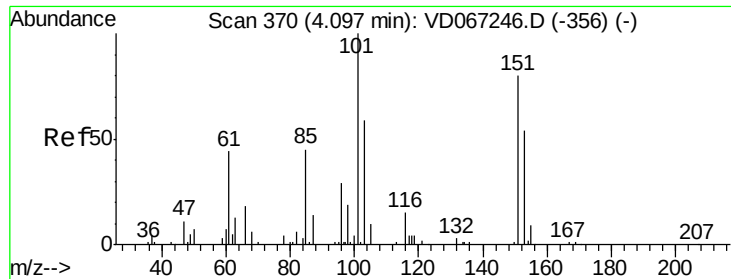


#8

Diethyl Ether
Concen: 19.548 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	23477		
45	74.4	37.0	111.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.436 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

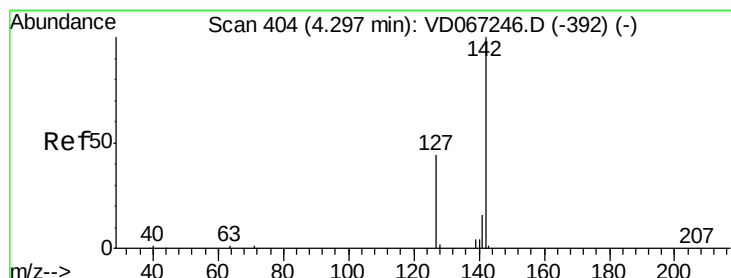
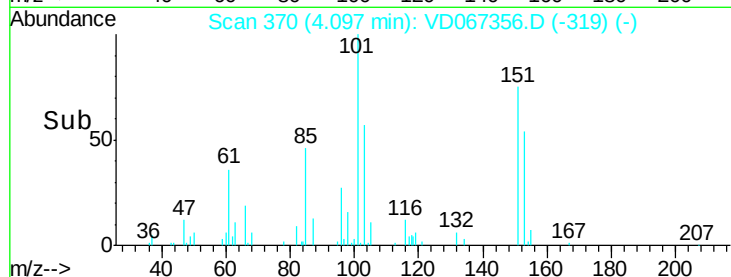
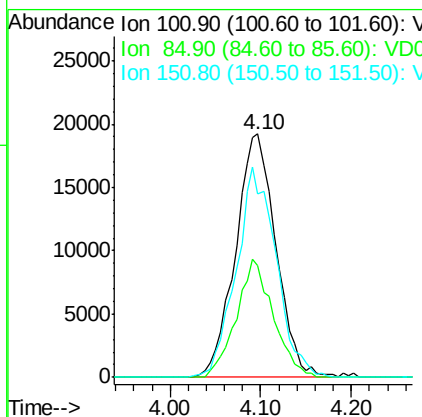
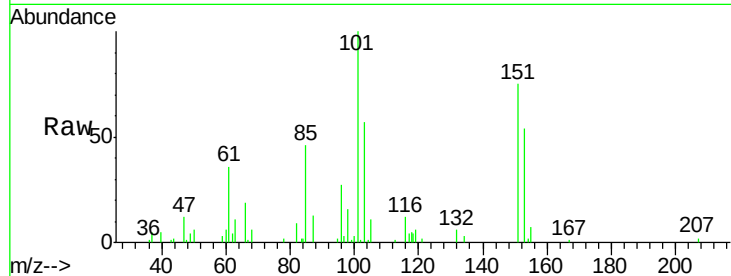
ClientSampleId :

VD1022SBS01

Tot Ion:	101	Resp:	59773
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.2	51.4
151	85.2	66.3	99.5

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#10

Methyl Iodide

Concen: 18.593 ug/l

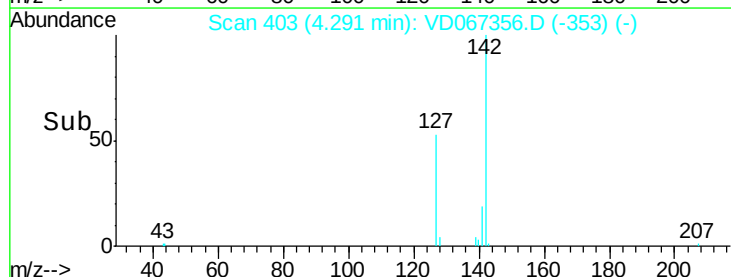
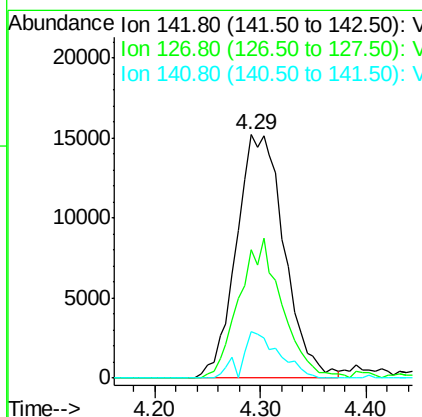
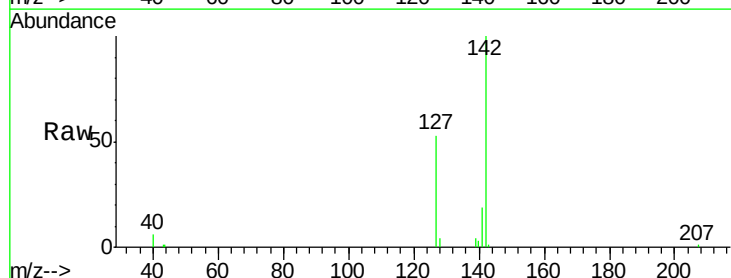
RT: 4.29 min Scan# 403

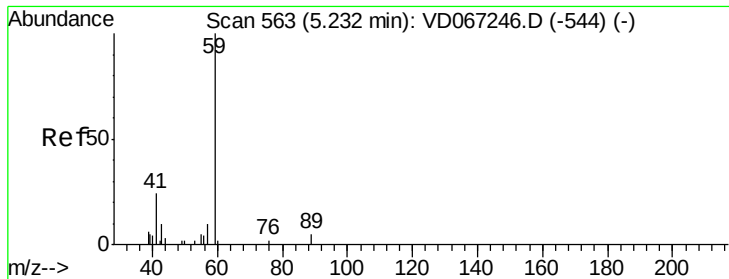
Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Tgt Ion:	142	Resp:	47825
Ion Ratio	Lower	Upper	
142	100		
127	51.7	38.4	57.6
141	14.7	11.6	17.4





#11

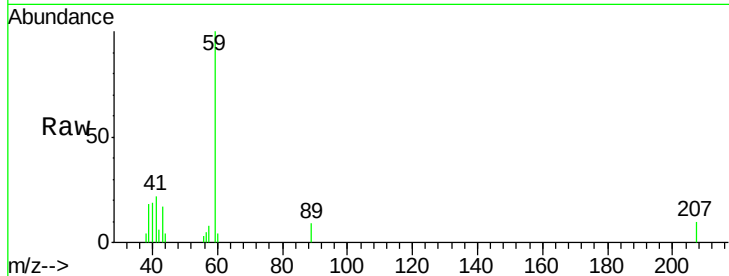
Tert butyl alcohol
Concen: 55.694 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

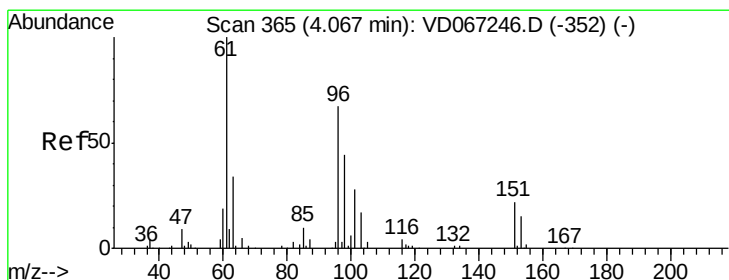
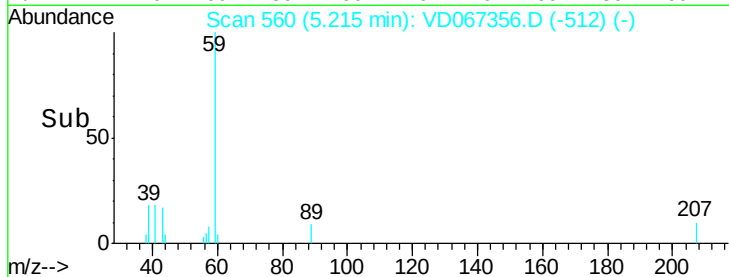
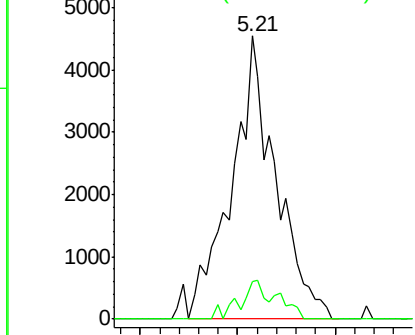
Tot Ion: 59 Resp: 14328
Ion Ratio Lower Upper
59 100
57 7.7 5.1 7.7#

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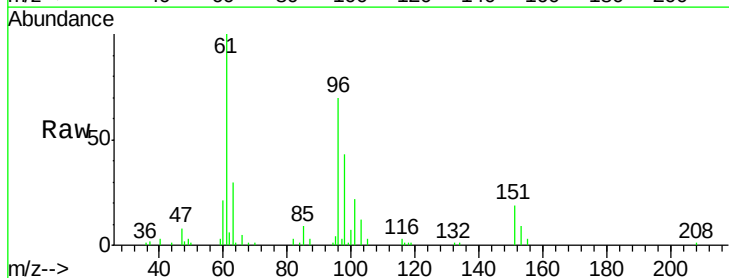
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



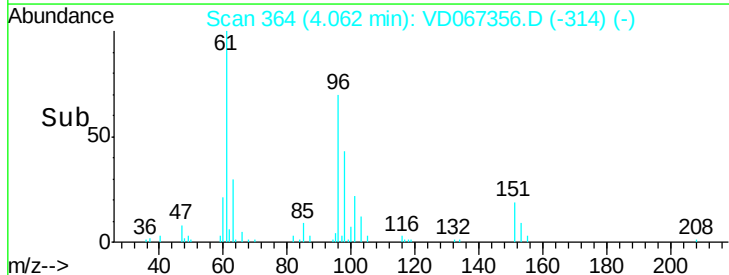
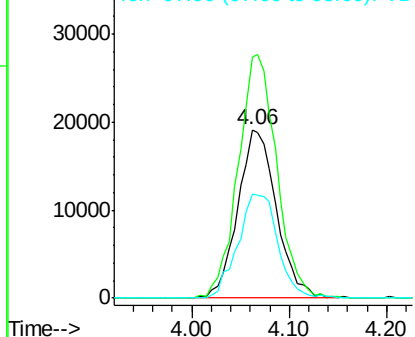
#12

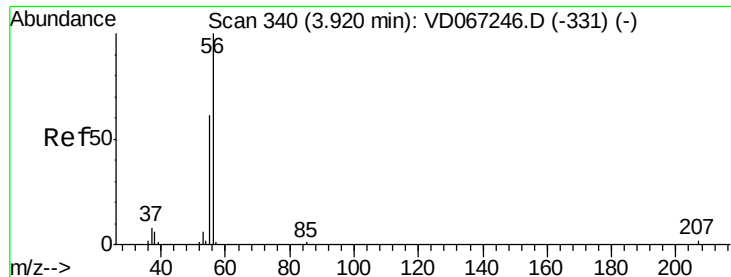
1,1-Dichloroethene
Concen: 21.058 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion: 96 Resp: 52458
Ion Ratio Lower Upper
96 100
61 143.6 118.6 177.8
98 61.6 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 67.687 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 56 Resp: 9107

Ion Ratio Lower Upper

56 100

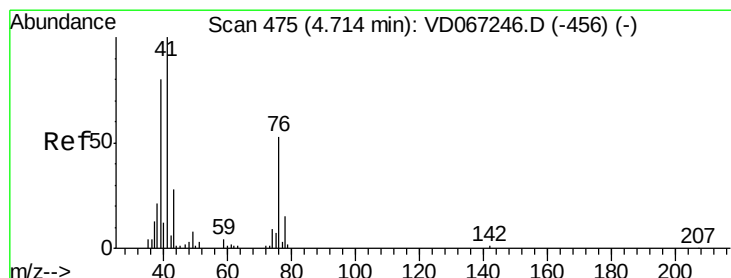
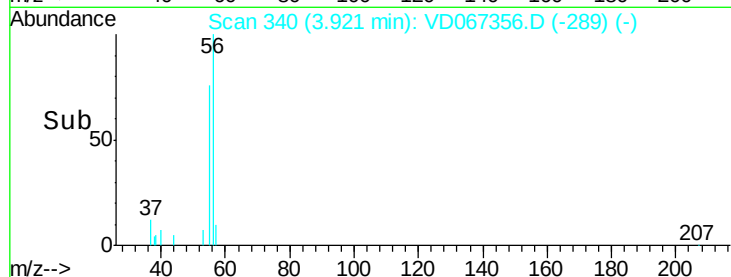
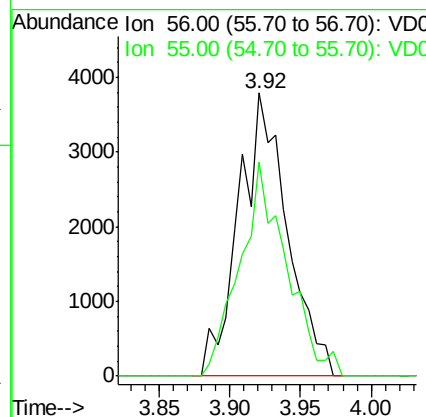
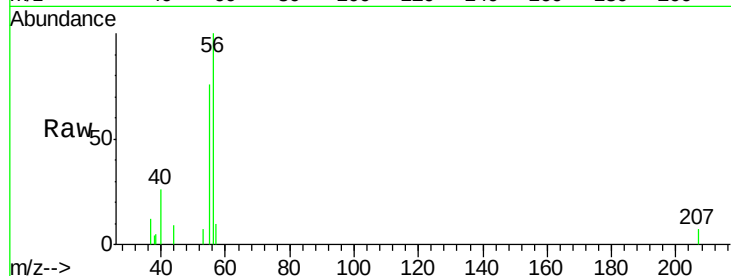
55 72.7 56.0 84.0

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#14

Allyl chloride

Concen: 19.892 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

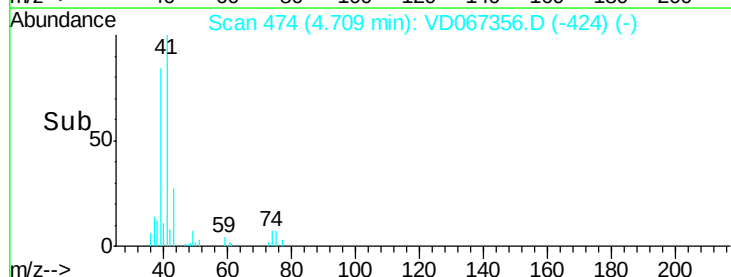
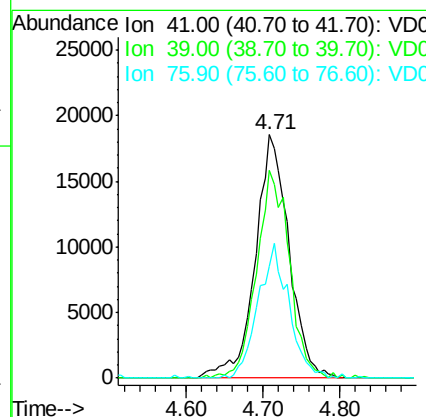
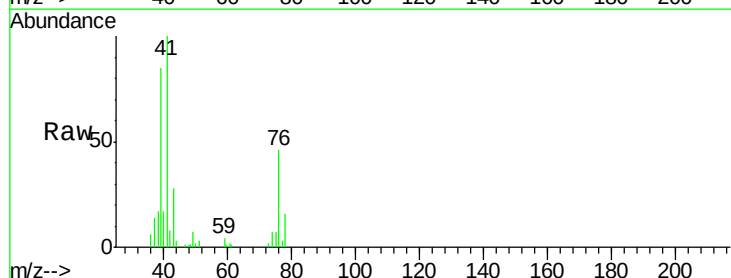
Tgt Ion: 41 Resp: 56748

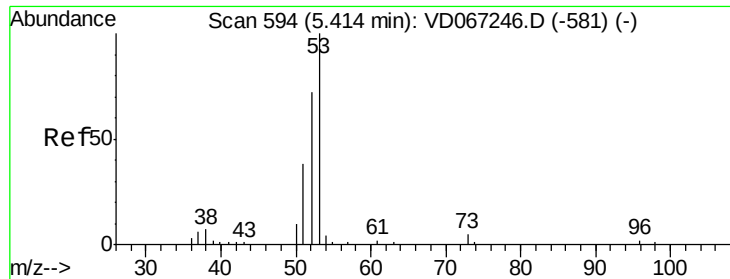
Ion Ratio Lower Upper

41 100

39 82.8 63.8 95.6

76 50.6 40.4 60.6





#15

Acrylonitrile

Concen: 103.702 ug/l

RT: 5.41 min Scan# 594

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

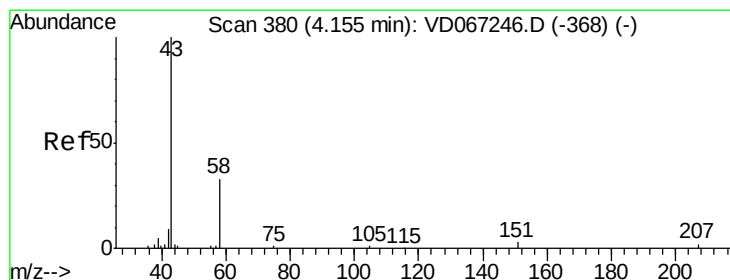
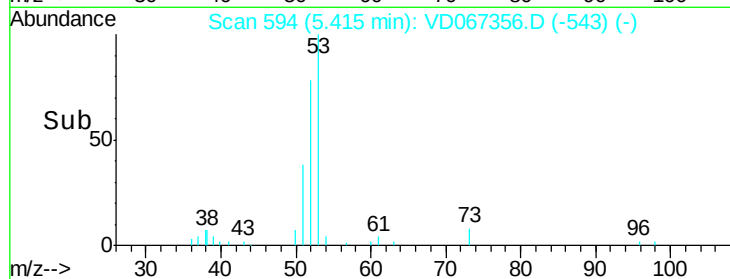
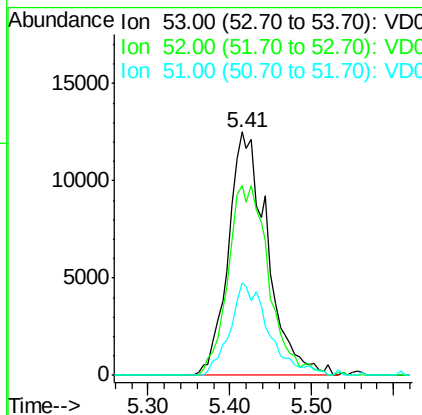
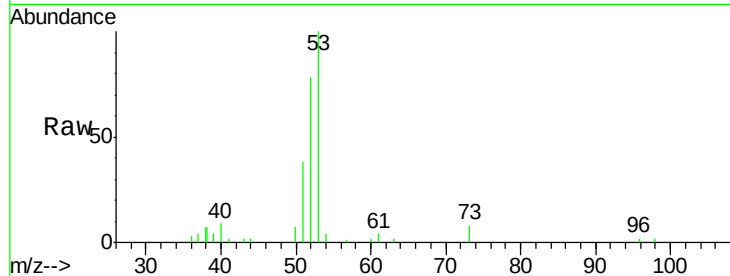
ClientSampleId :

VD1022SBS01

Tot Ion:	53	Resp:	41557
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.6	98.4
51	37.7	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 99.093 ug/l

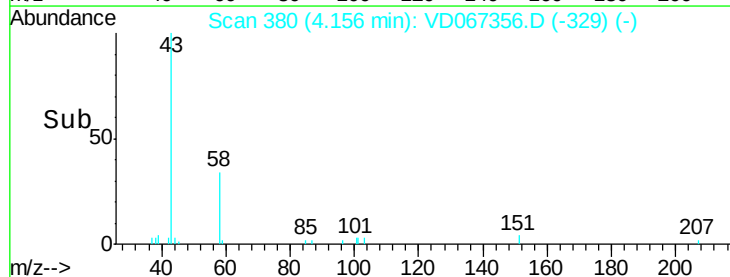
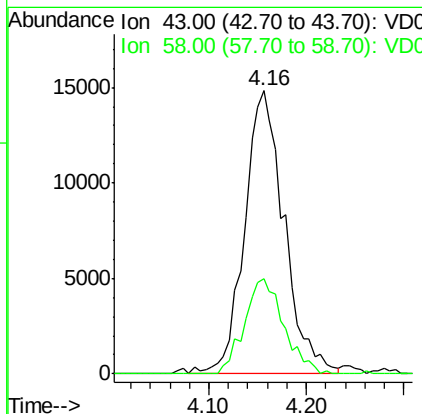
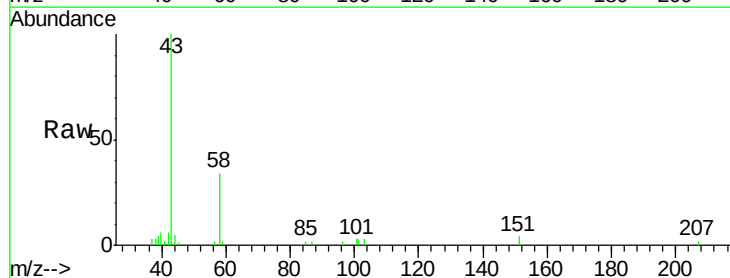
RT: 4.16 min Scan# 380

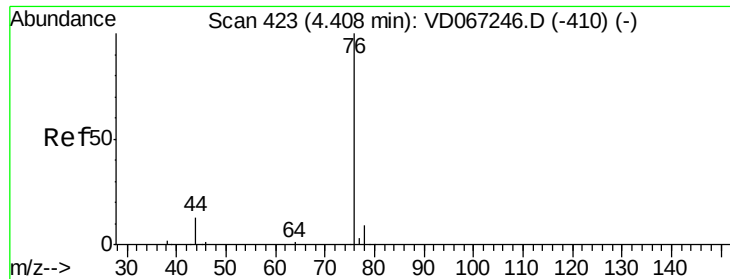
Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Tgt Ion:	43	Resp:	41967
Ion	Ratio	Lower	Upper
43	100		
58	33.8	26.1	39.1





#17

Carbon Disulfide

Concen: 20.022 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 76 Resp: 142191

Ion Ratio Lower Upper

76 100

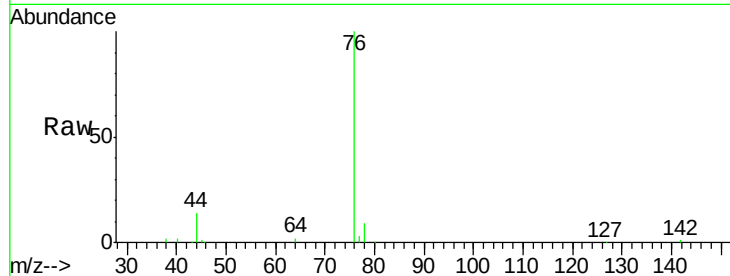
78 8.8 7.4 11.0

Manual Integrations

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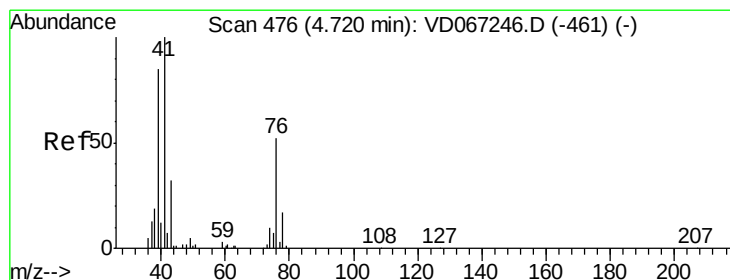
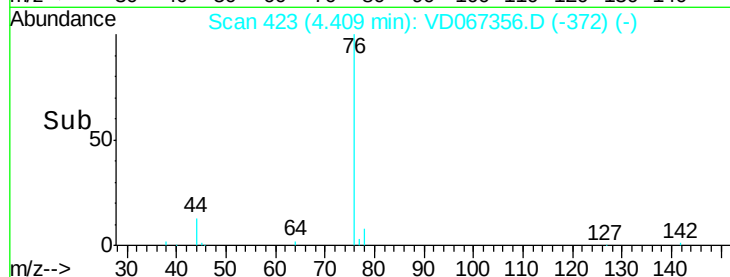
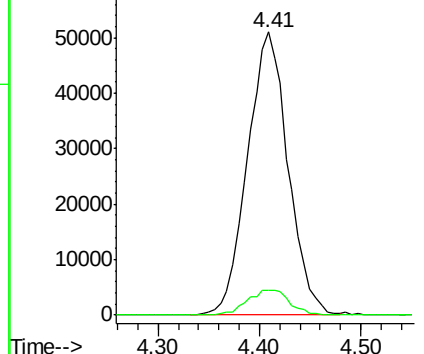
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.952 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067356.D

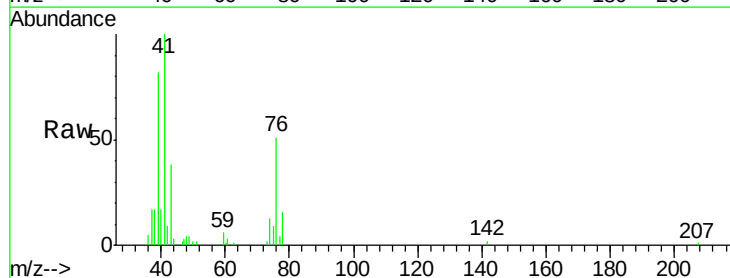
Acq: 22 Oct 2020 12:27

Tgt Ion: 43 Resp: 18307

Ion Ratio Lower Upper

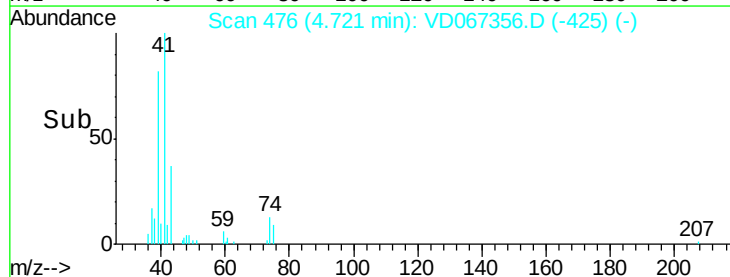
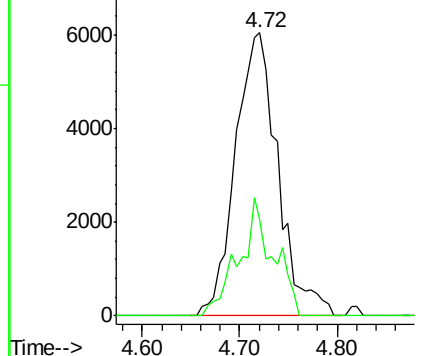
43 100

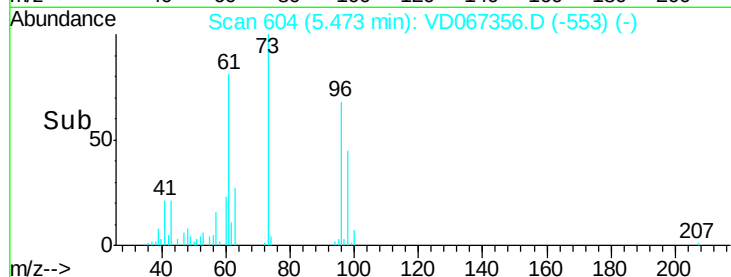
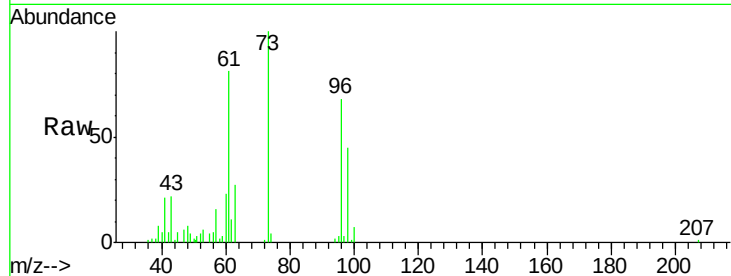
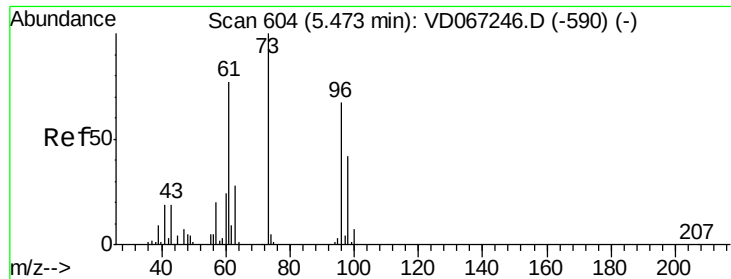
74 33.7 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





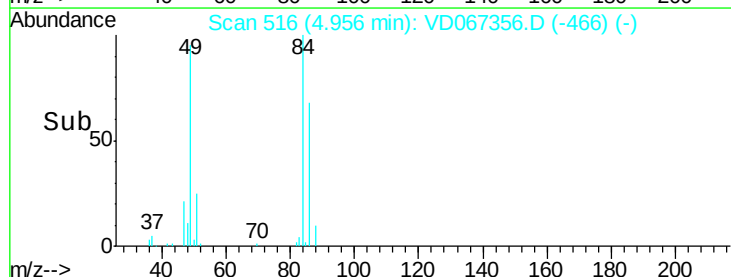
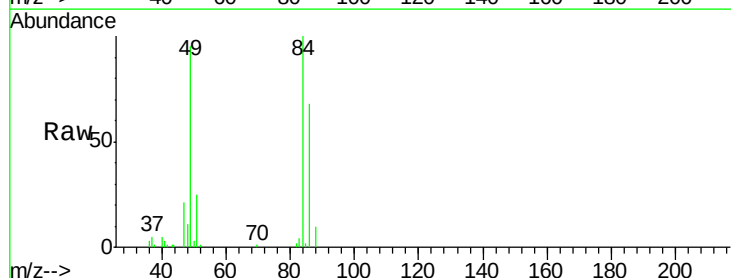
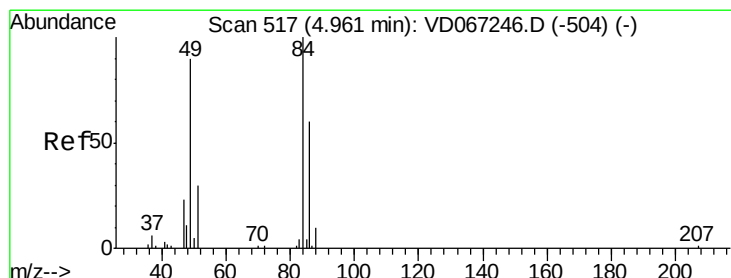
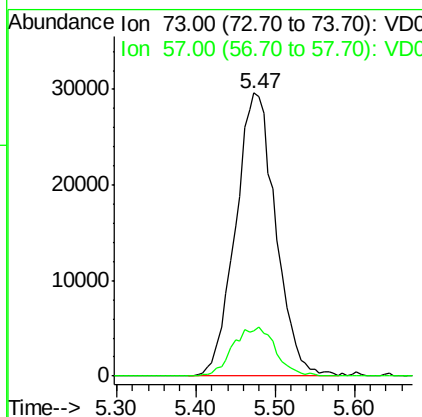
#19
Methyl tert-butyl Ether
Concen: 21.018 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tot Ion: 73 Resp: 104111
Ion Ratio Lower Upper
73 100
57 16.1 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

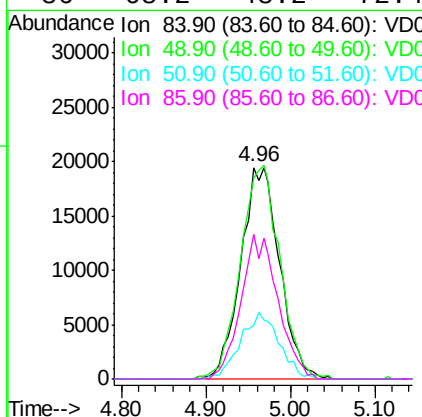
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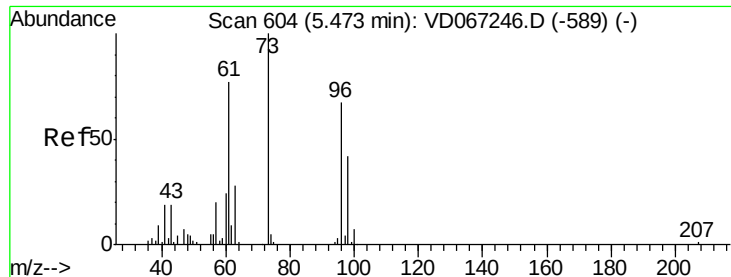
MMDadoda
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#20
Methylene Chloride
Concen: 20.323 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion: 84 Resp: 62360
Ion Ratio Lower Upper
84 100
49 94.8 72.2 108.2
51 25.5 23.8 35.8
86 68.2 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 21.150 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

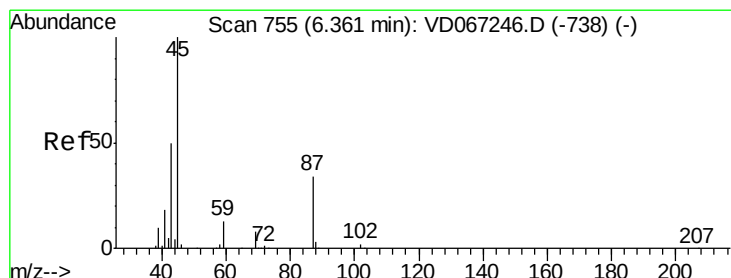
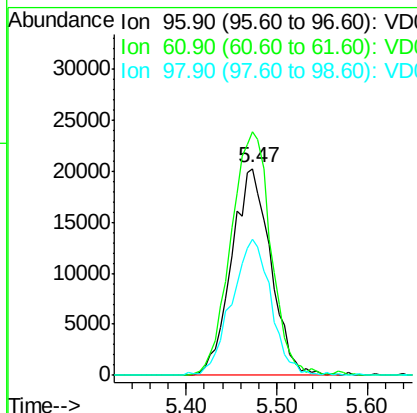
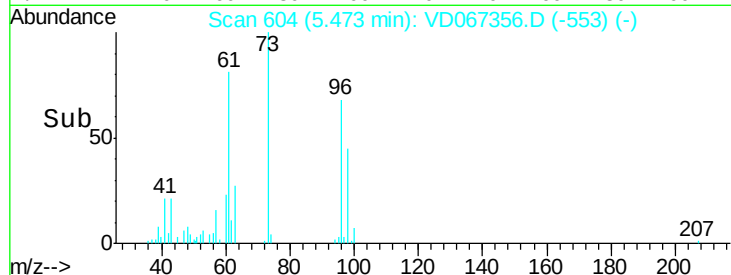
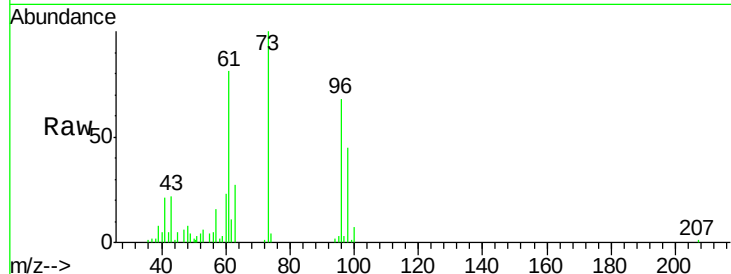
ClientSampleId :

VD1022SBS01

Tot Ion:	96	Resp:	60631
Ion	Ratio	Lower	Upper
96	100		
61	117.7	92.0	138.0
98	64.7	49.8	74.8

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#22

Diisopropyl ether

Concen: 21.451 ug/l

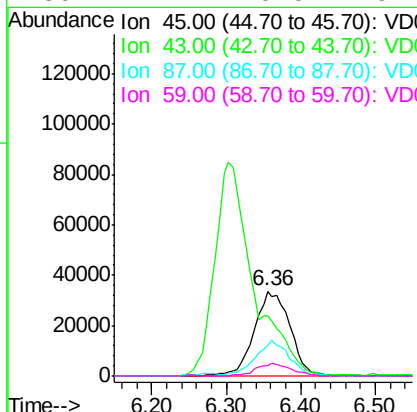
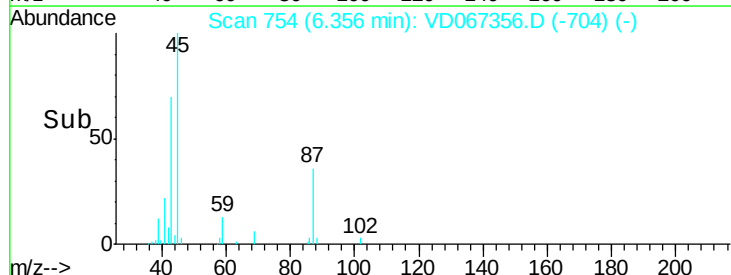
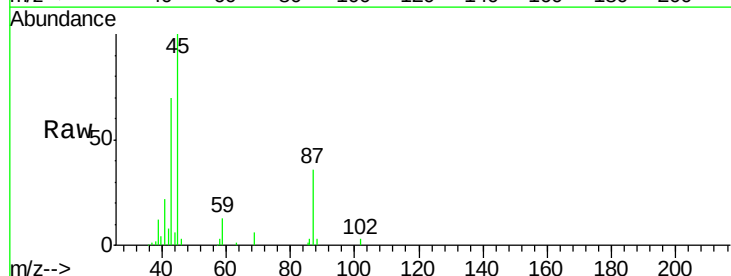
RT: 6.36 min Scan# 754

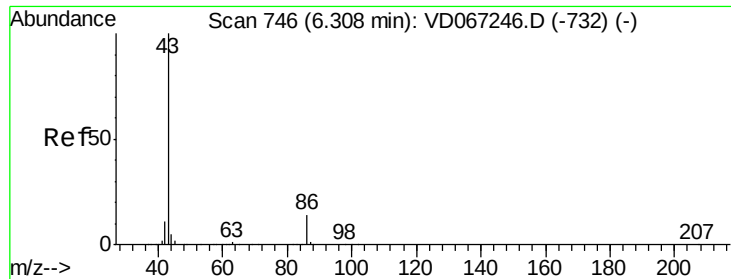
Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Tgt Ion:	45	Resp:	111791
Ion	Ratio	Lower	Upper
45	100		
43	69.0	48.0	72.0
87	35.8	28.5	42.7
59	12.7	10.5	15.7





#23

Vinyl Acetate

Concen: 103.189 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 43 Resp: 305944

Ion Ratio Lower Upper

43 100

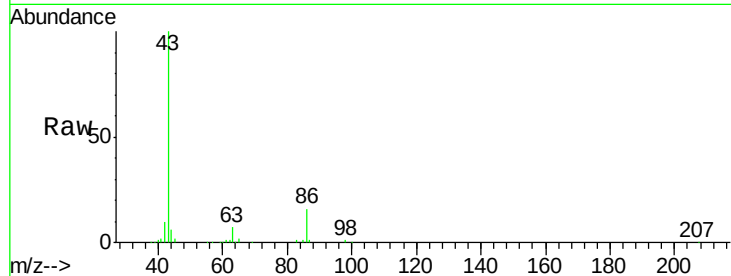
86 15.5 11.0 16.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

80000

60000

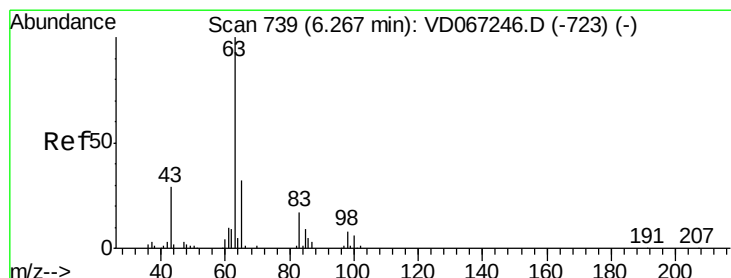
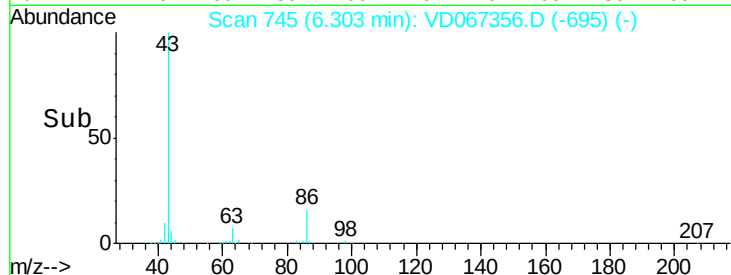
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 21.634 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

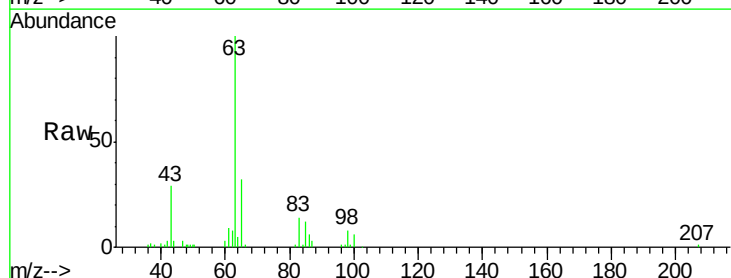
Tgt Ion: 63 Resp: 96508

Ion Ratio Lower Upper

63 100

98 8.3 4.0 12.2

100 5.5 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

40000

30000

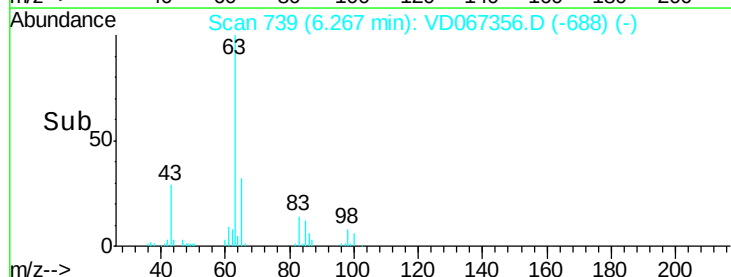
20000

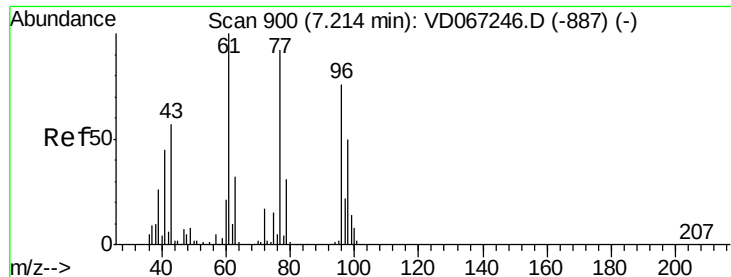
10000

0

Time-->

6.20 6.30





#25

2-Butanone

Concen: 97.593 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 43 Resp: 47114

Ion Ratio Lower Upper

43 100

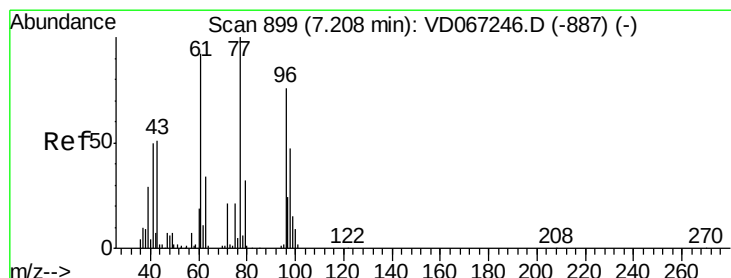
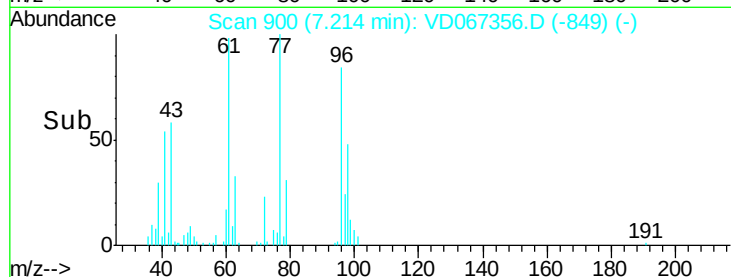
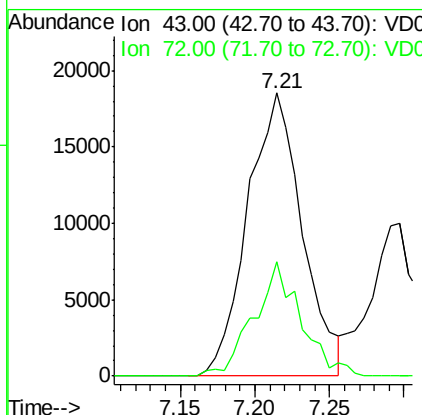
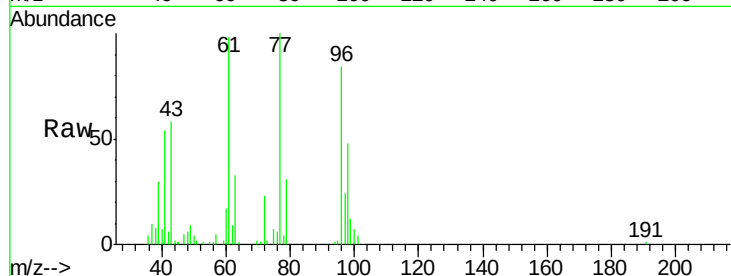
72 40.3 23.7 35.5#

Manual Integrations

APPROVED

MMDadoda

10/23/2020 2:11:58 PM



#26

2,2-Dichloropropane

Concen: 21.181 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067356.D

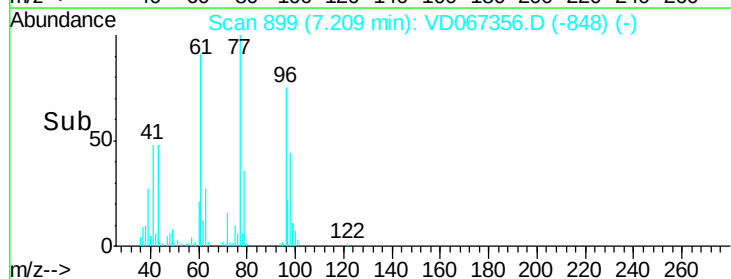
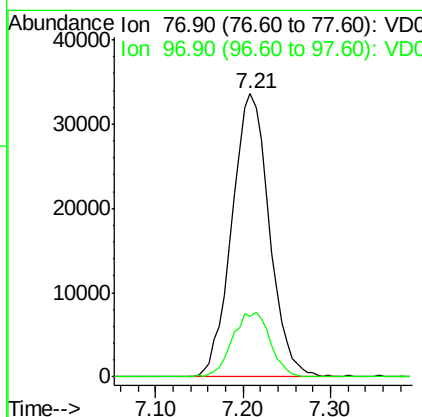
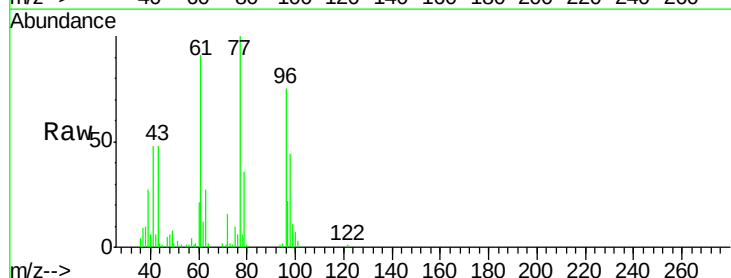
Acq: 22 Oct 2020 12:27

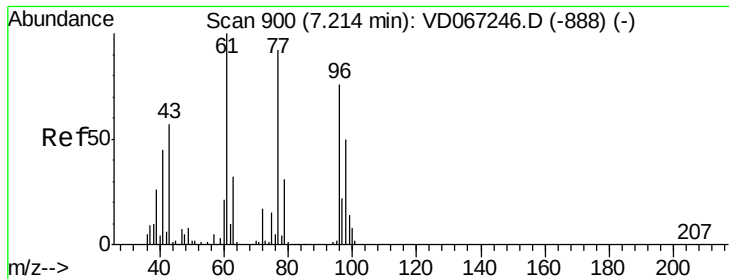
Tgt Ion: 77 Resp: 97394

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2





#27

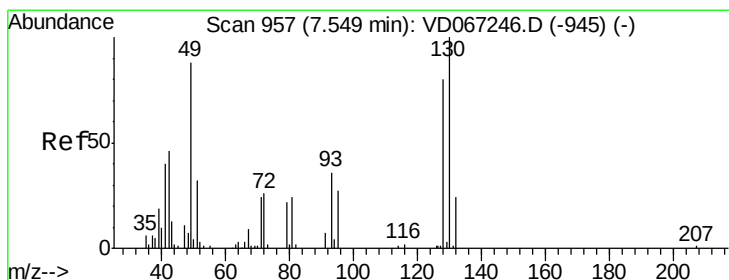
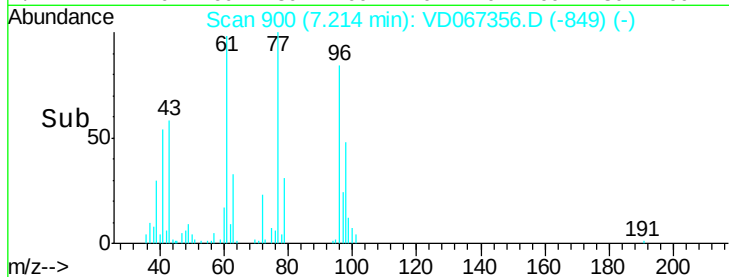
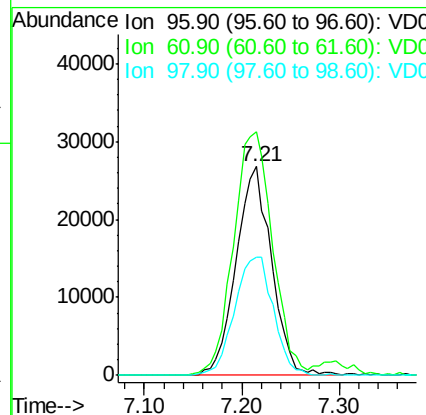
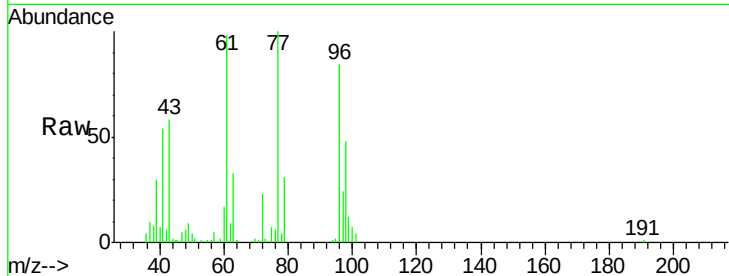
cis-1,2-Dichloroethene
Concen: 21.635 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.0	0.0	255.4
98	61.8	0.0	128.0

Manual Integrations
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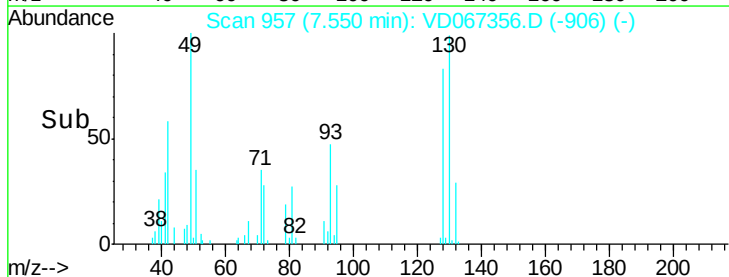
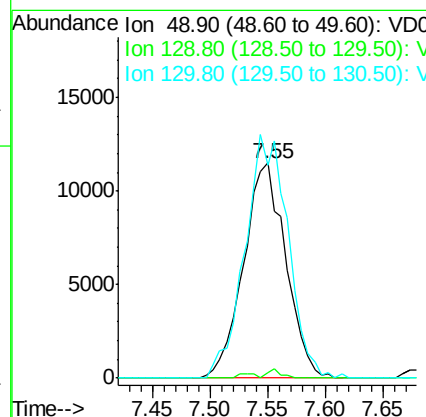
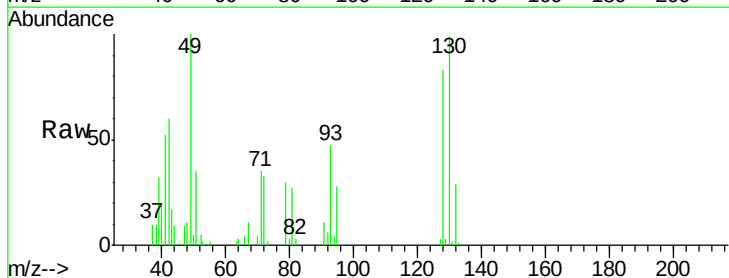
MMDadoda
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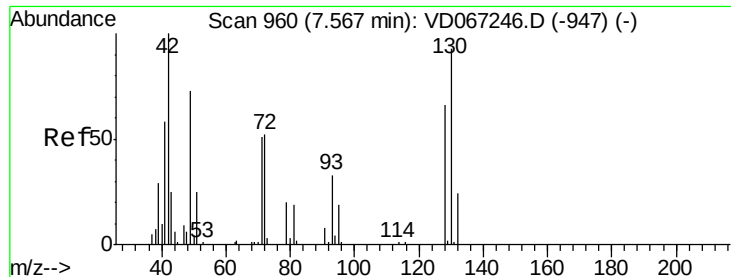


#28

Bromochloromethane
Concen: 19.232 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.6
130	115.3	91.0	136.6





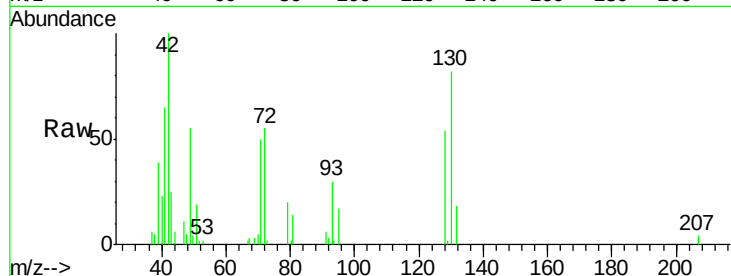
#29
Tetrahydrofuran
Concen: 101.328 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

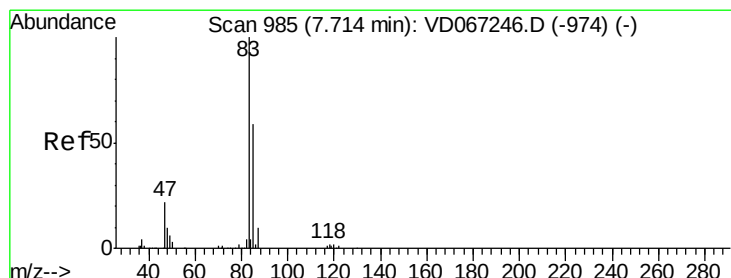
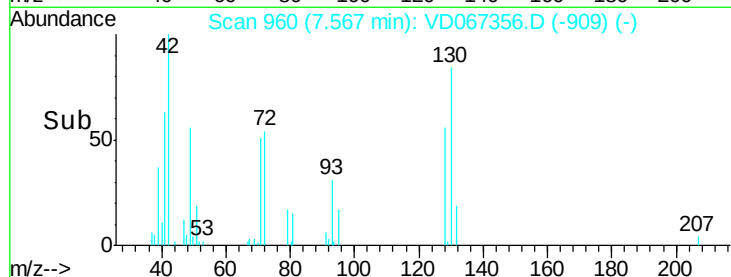
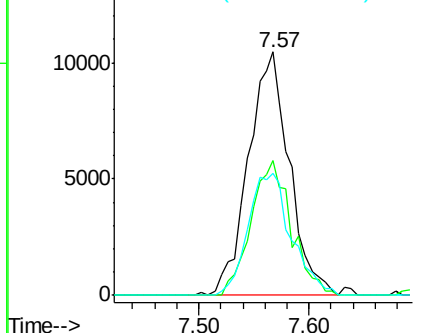
Tot Ion	Ratio	Lower	Upper
42	100		
72	54.3	43.2	64.8
71	53.0	39.4	59.0

Manual Integrations
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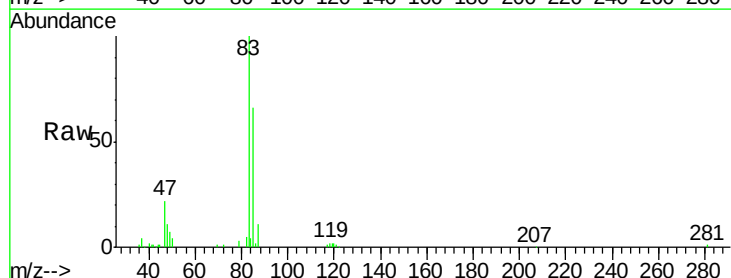


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

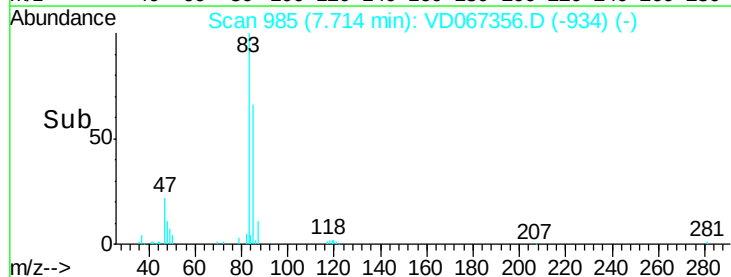
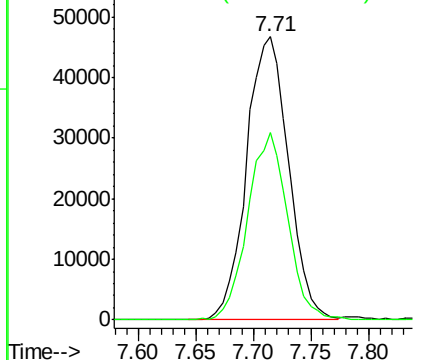


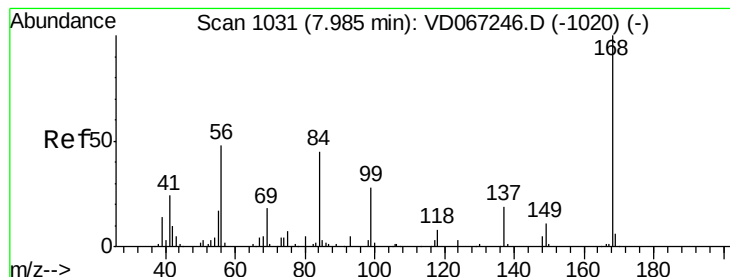
#30
Chloroform
Concen: 22.235 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	47.3	70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 20.862 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

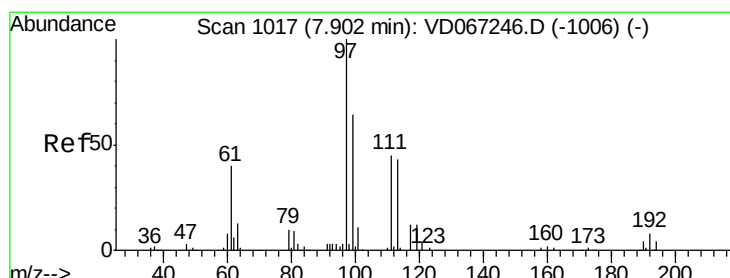
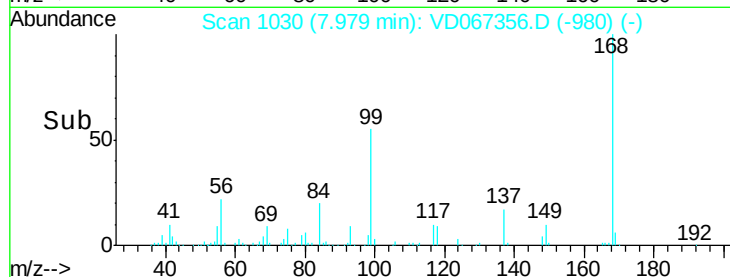
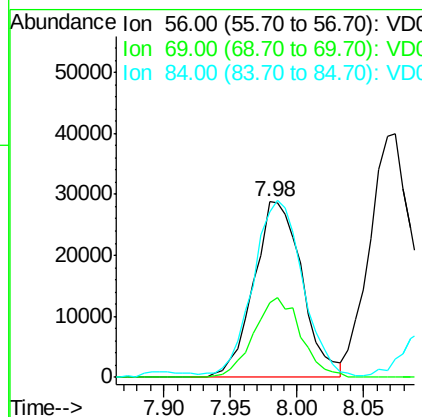
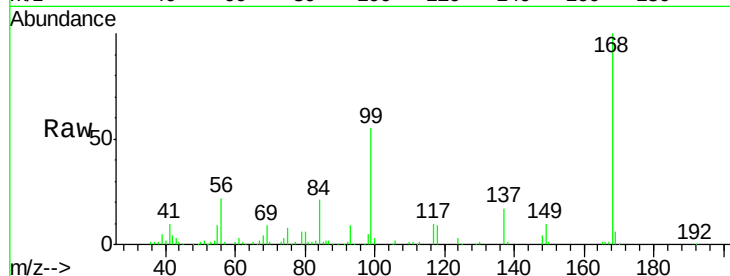
ClientSampleId :

VD1022SBS01

Tot Ion:	56	Resp:	72663
Ion	Ratio	Lower	Upper
56	100		
69	42.2	29.8	44.6
84	92.4	76.6	114.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.859 ug/l

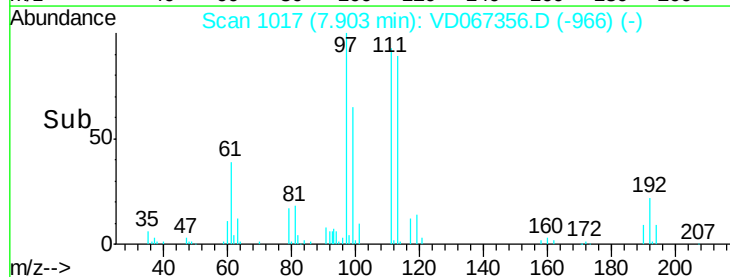
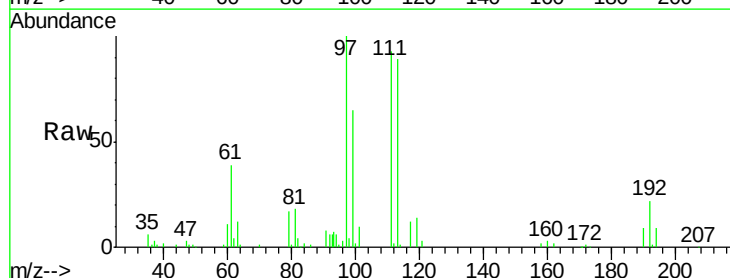
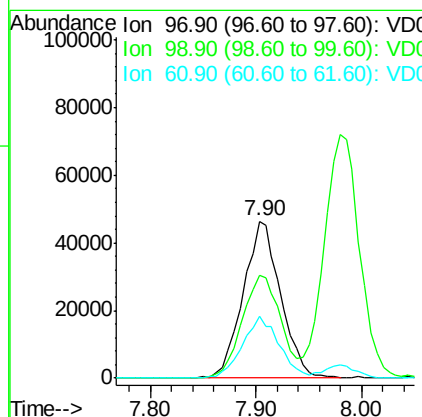
RT: 7.90 min Scan# 1017

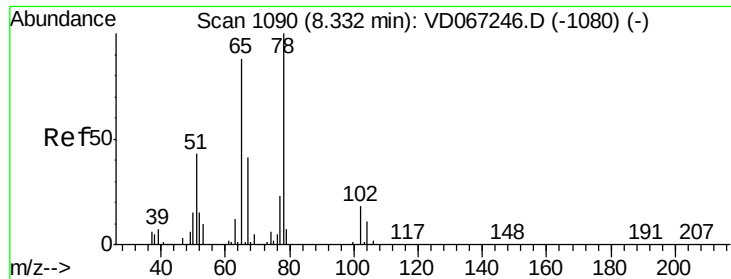
Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Tgt Ion:	97	Resp:	114296
Ion	Ratio	Lower	Upper
97	100		
99	66.9	50.2	75.4
61	38.4	30.5	45.7





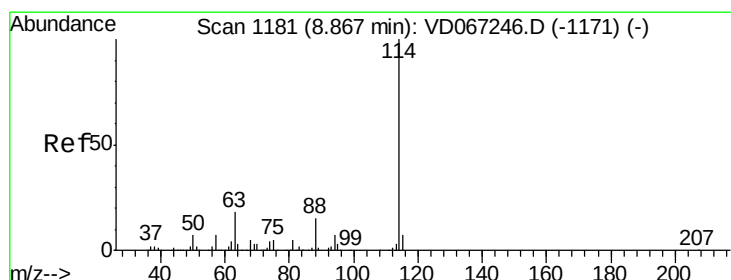
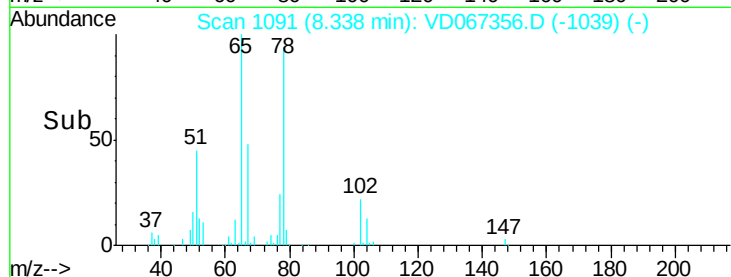
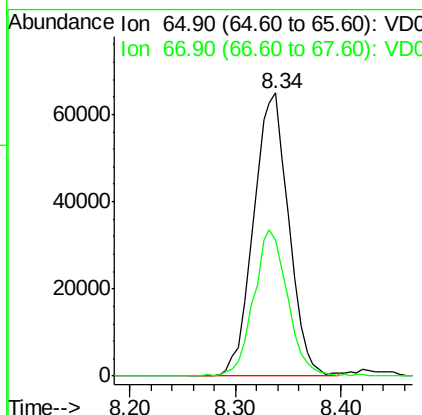
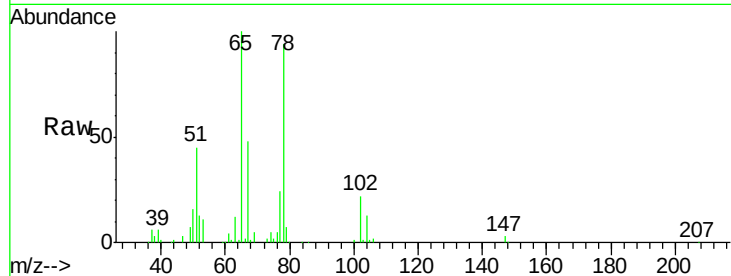
#33
 1,2-Dichloroethane-d4
 Concen: 49.670 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	150202		
67	49.7	0.0	103.8	

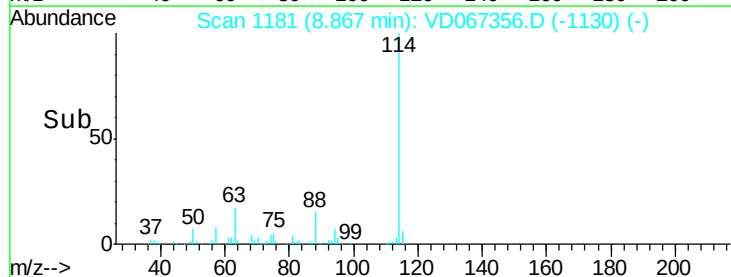
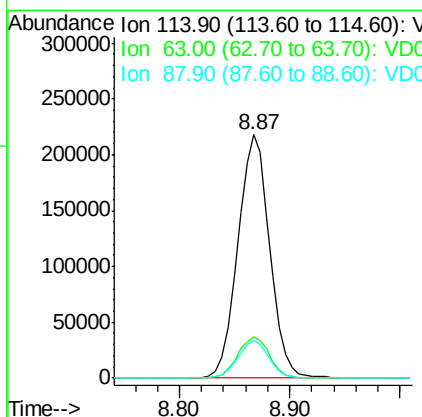
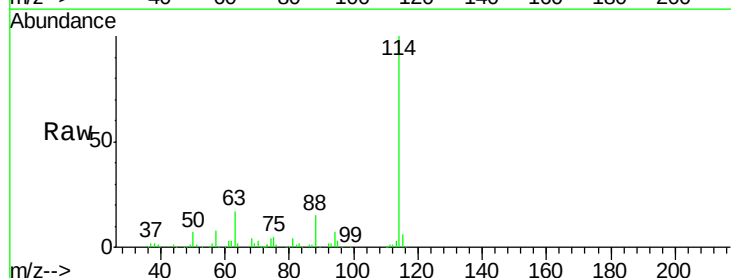
Manual Integrations
 APPROVED

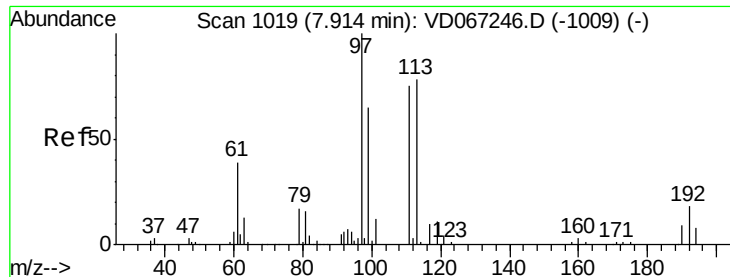
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	441390		
63	16.9	0.0	35.0	
88	15.2	0.0	30.6	





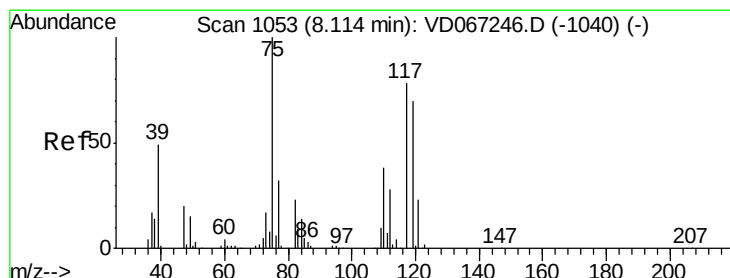
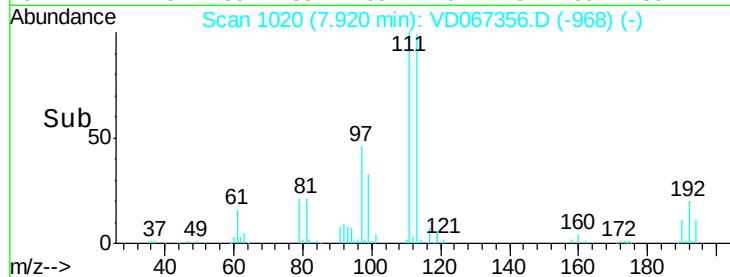
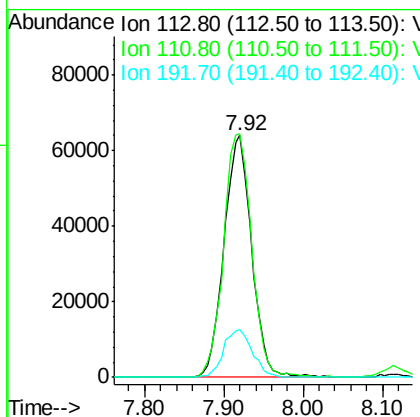
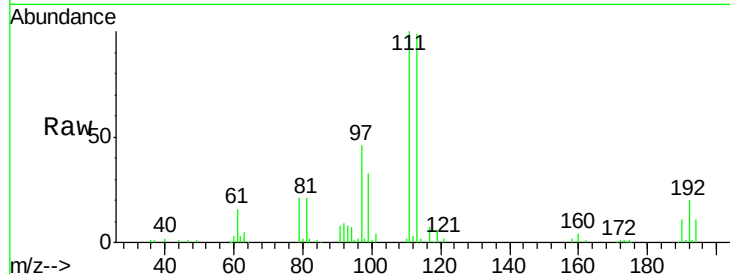
#35
 Dibromofluoromethane
 Concen: 52.416 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	153969		
111	102.8	81.6	122.4	
192	20.6	17.0	25.4	

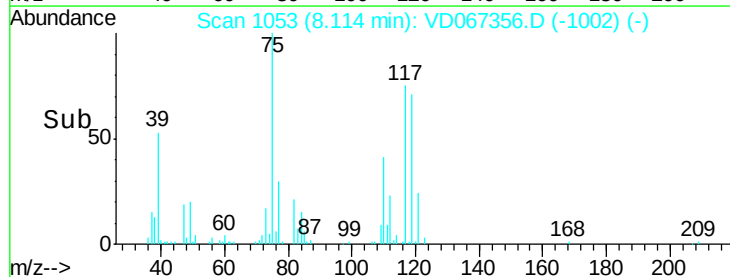
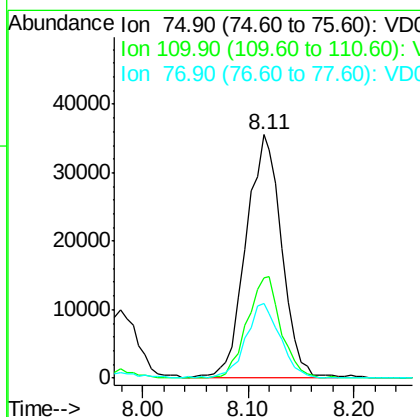
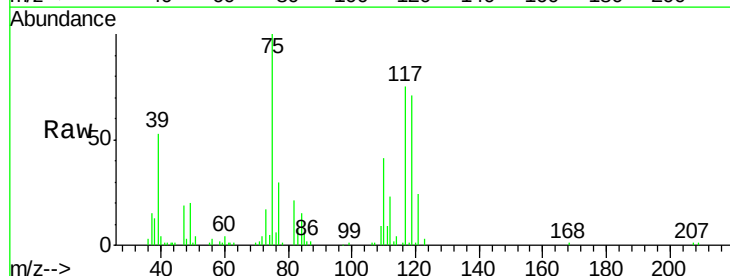
Manual Integrations
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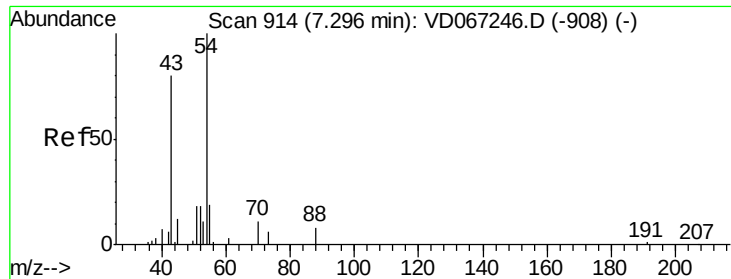
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 22.351 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83618		
110	39.3	19.6	58.7	
77	29.4	24.6	37.0	





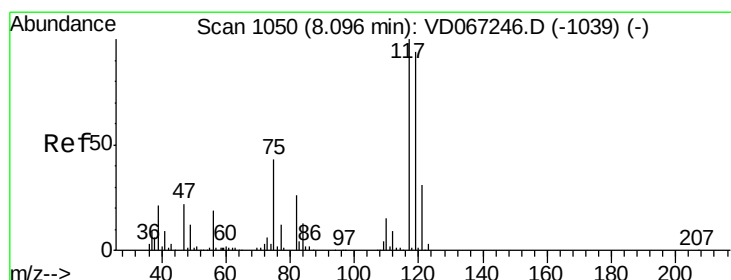
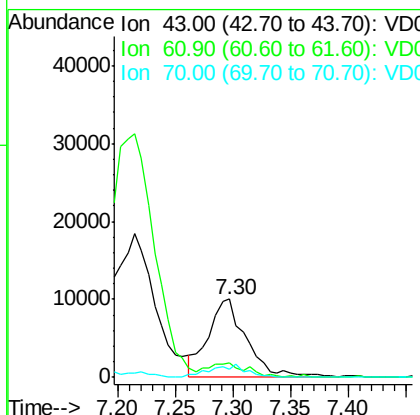
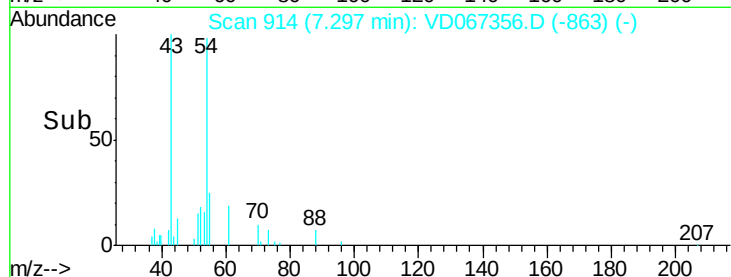
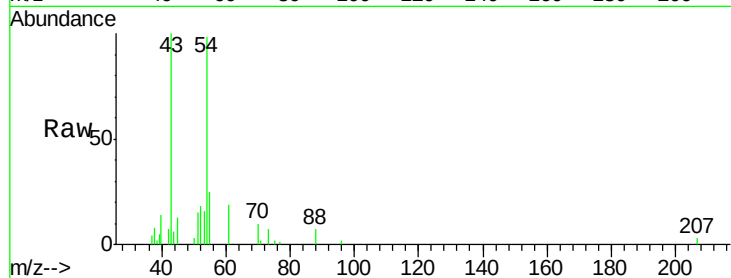
#37
Ethyl Acetate
Concen: 21.095 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.6	23.4
70	15.0	10.4	15.6

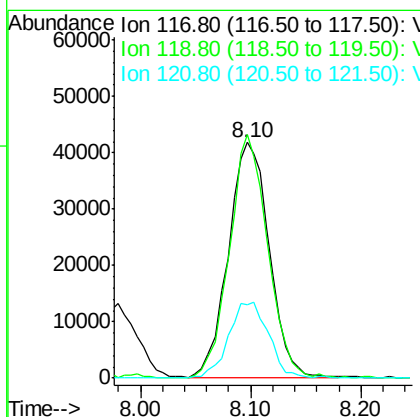
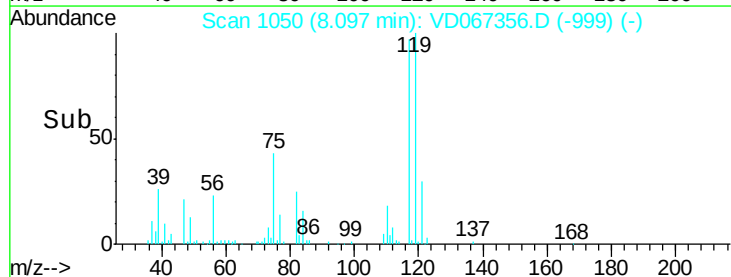
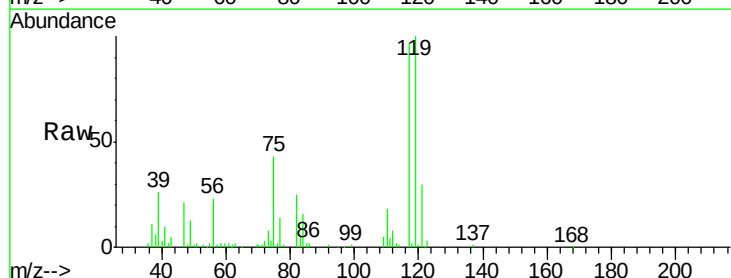
Manual Integrations
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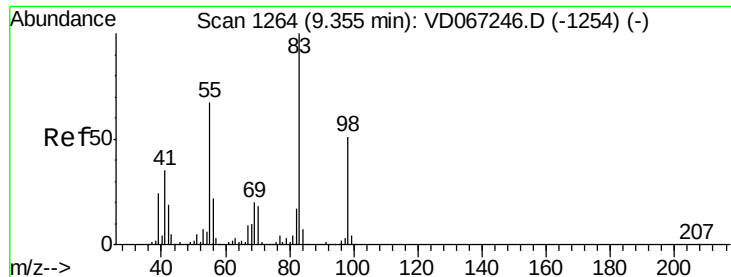
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.735 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	103.3	75.0	112.4
121	31.2	24.9	37.3





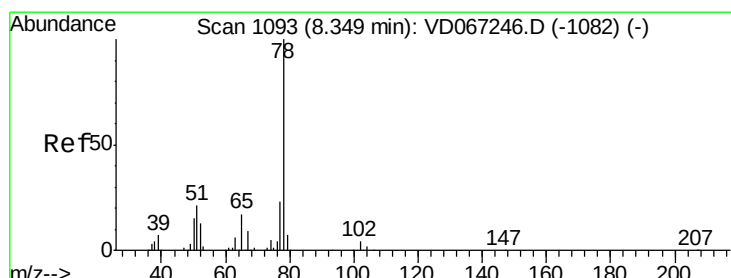
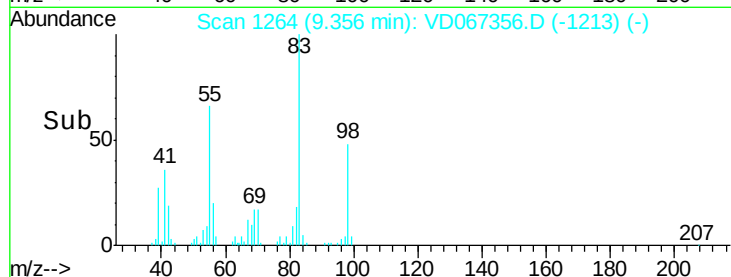
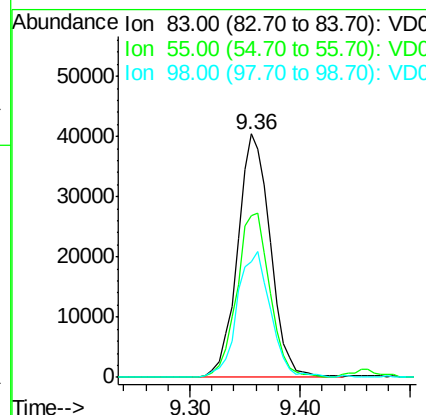
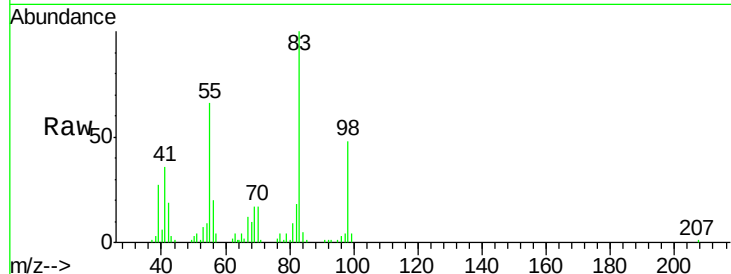
#39
Methylvlcyclohexane
Concen: 21.545 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	83	Resp	84264
Ion Ratio	Lower	Upper	
83	100		
55	66.5	53.3	79.9
98	47.7	41.0	61.4

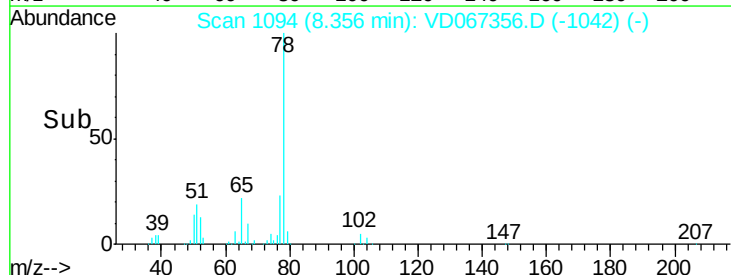
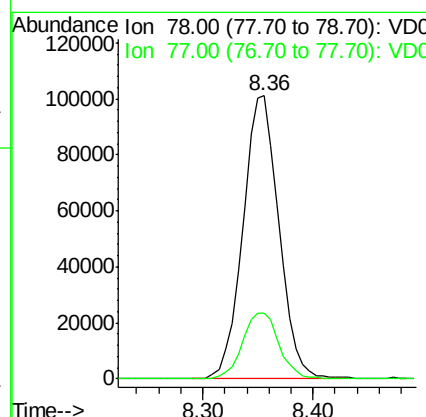
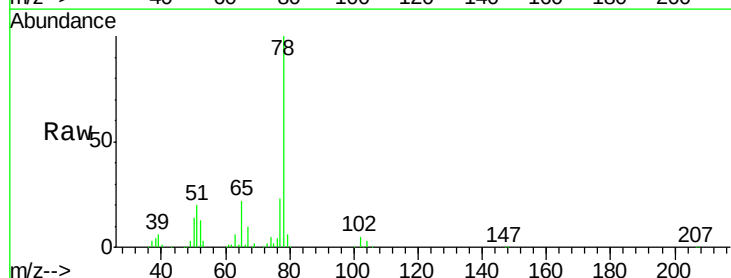
Manual Integrations
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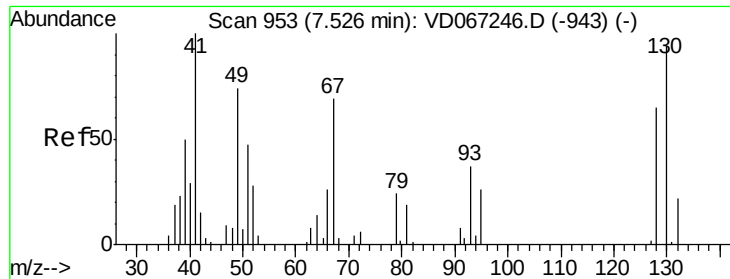
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#40
Benzene
Concen: 22.516 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion	78	Resp	231086
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.3	27.5





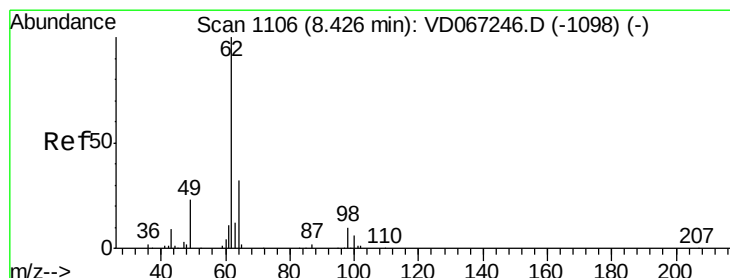
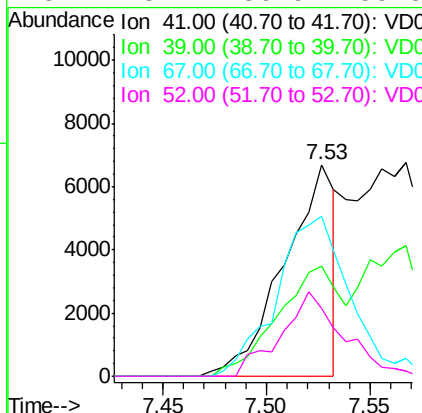
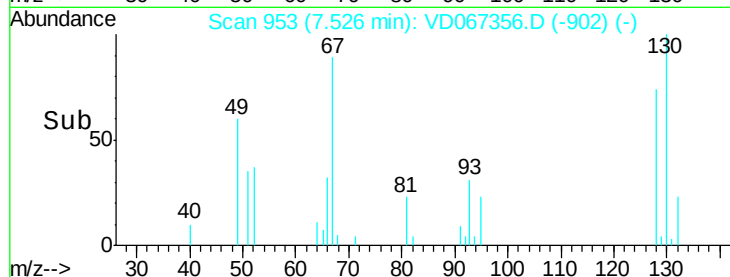
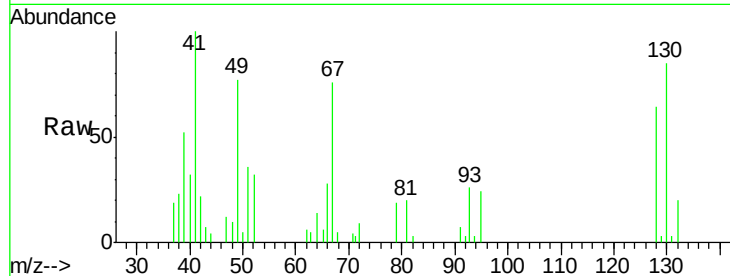
#41
Methacrylonitrile
Concen: 19.128 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.4	60.0	90.0
67	108.4	88.9	133.3
52	48.1	36.9	55.3

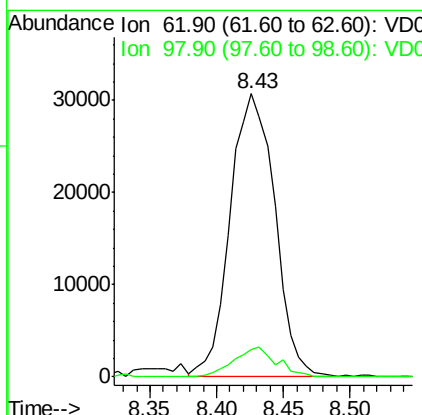
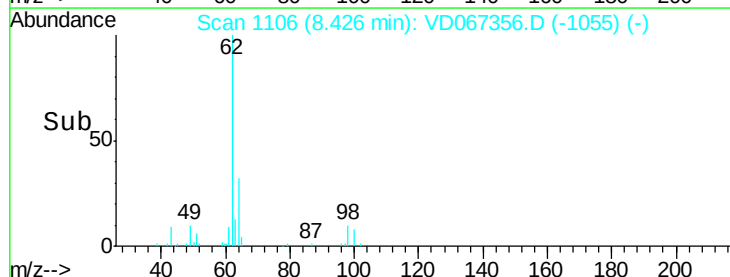
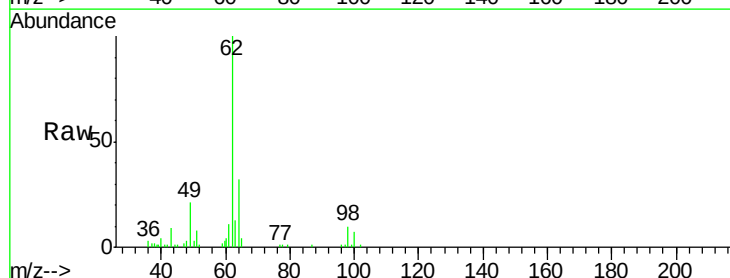
Manual Integrations
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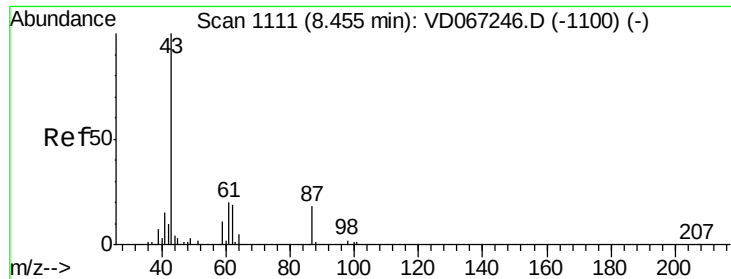
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#42
1,2-Dichloroethane
Concen: 22.274 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.4





#43

Isopropyl Acetate

Concen: 20.810 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

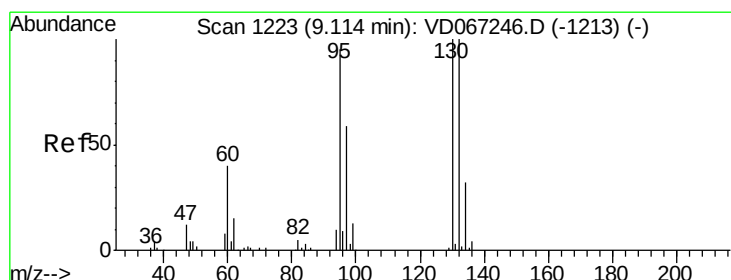
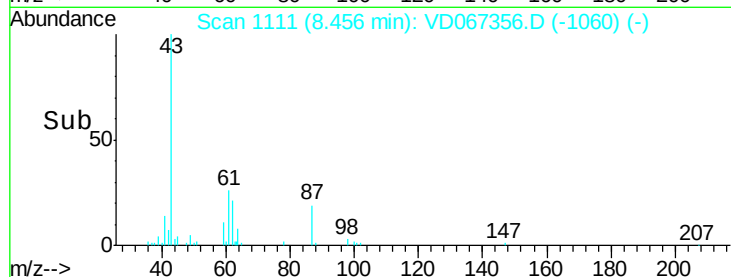
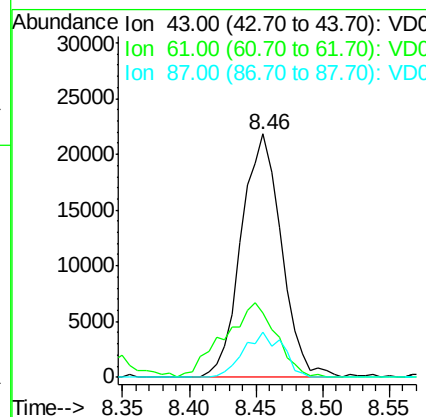
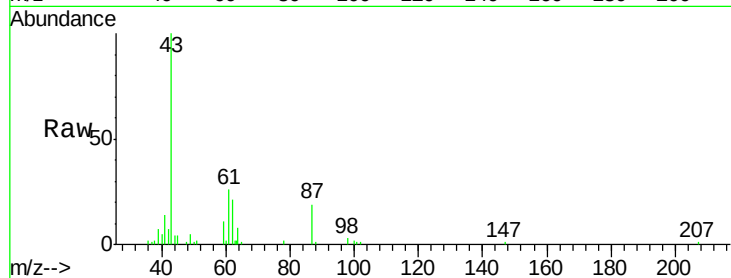
ClientSampleId :

VD1022SBS01

Tot Ion:	43	Resp:	45450
Ion	Ratio	Lower	Upper
43	100		
61	39.8	29.5	44.3
87	18.1	14.2	21.4

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#44

Trichloroethene

Concen: 22.369 ug/l

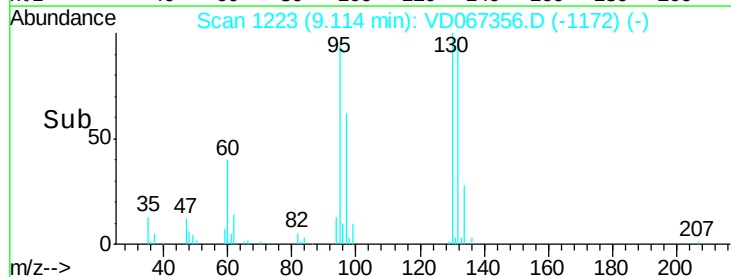
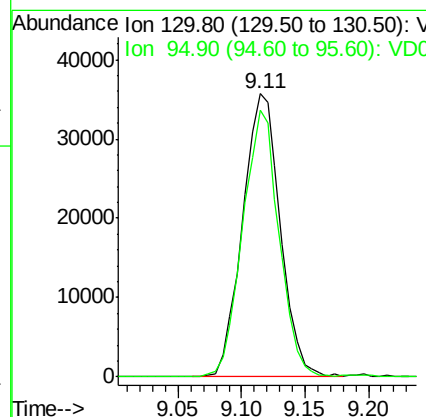
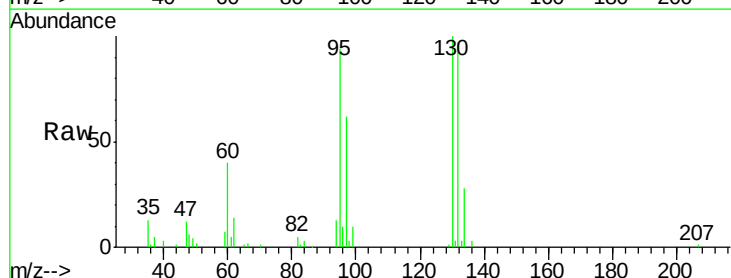
RT: 9.11 min Scan# 1223

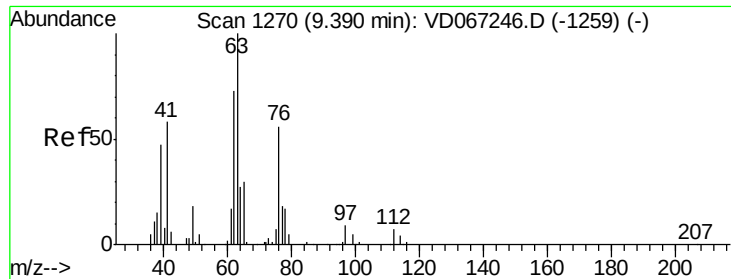
Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Tgt Ion:	130	Resp:	73504
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	190.6





#45

1,2-Dichloropropane

Concen: 20.965 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 63 Resp: 49868

Ion Ratio Lower Upper

63 100

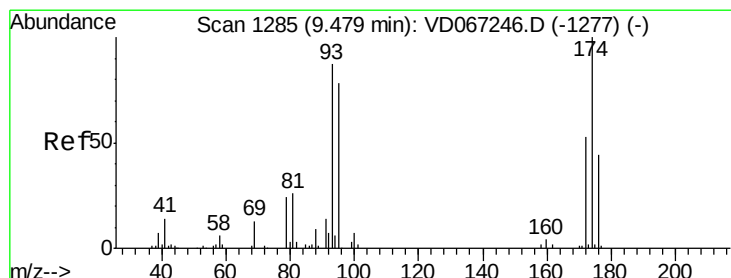
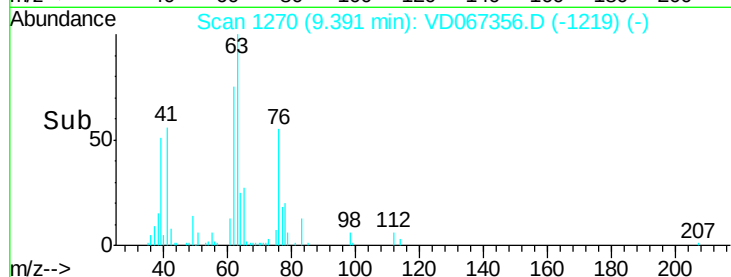
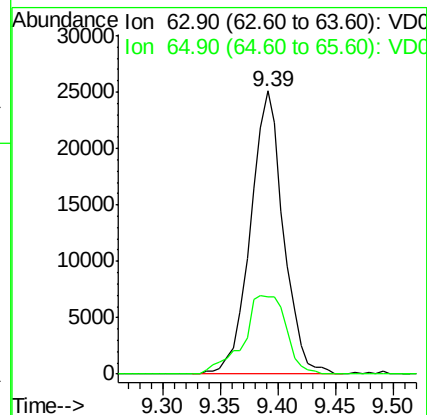
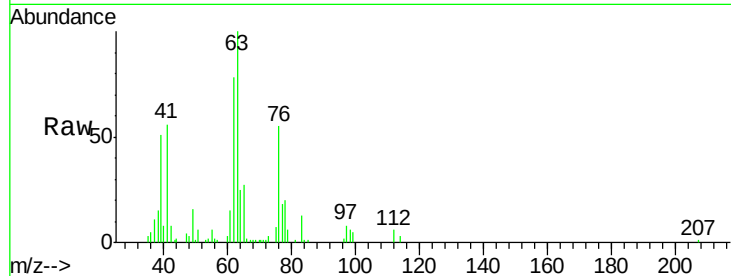
65 27.3 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 21.868 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

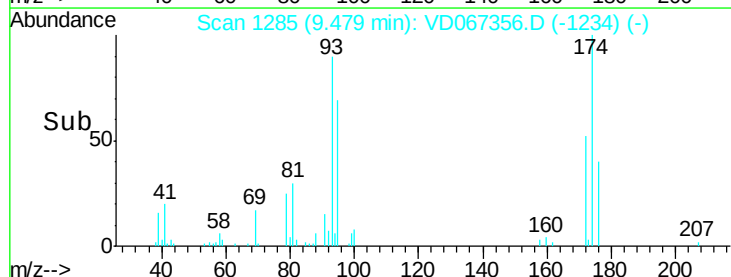
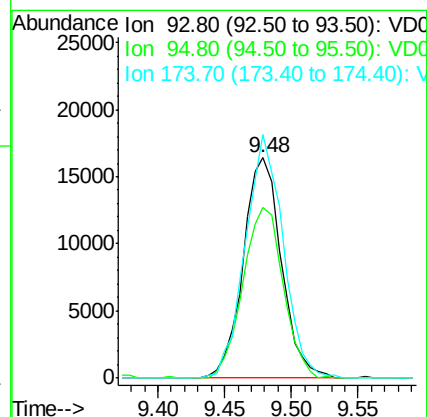
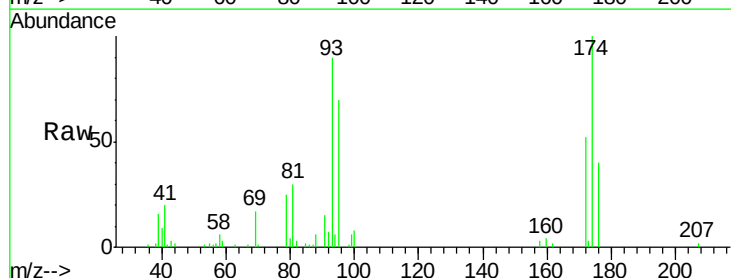
Tgt Ion: 93 Resp: 32408

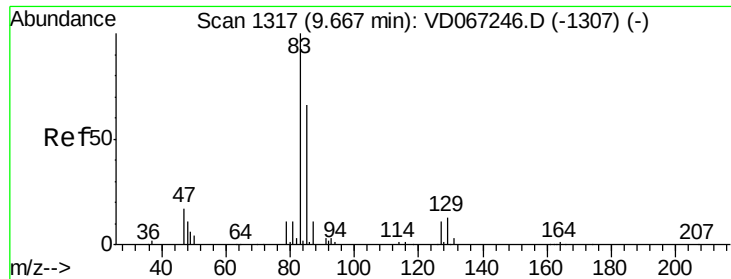
Ion Ratio Lower Upper

93 100

95 81.7 68.0 102.0

174 109.4 91.8 137.6





#47

Bromodichloromethane

Concen: 21.907 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

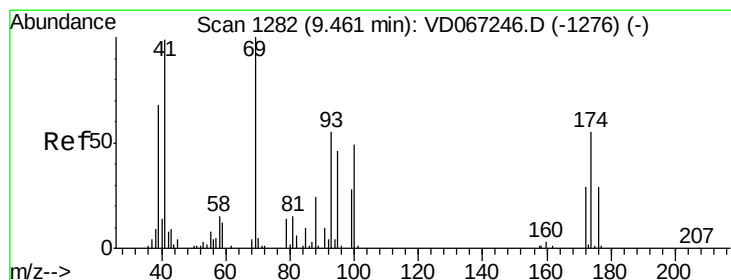
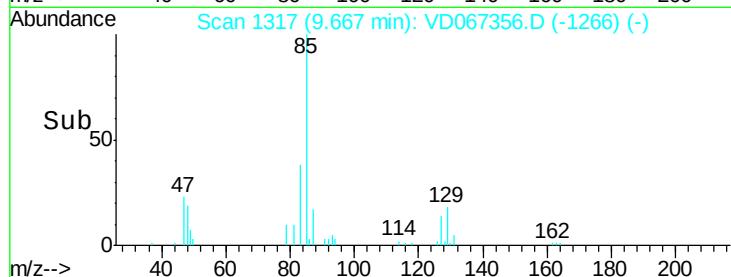
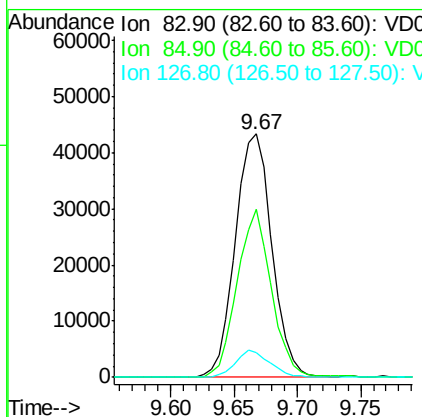
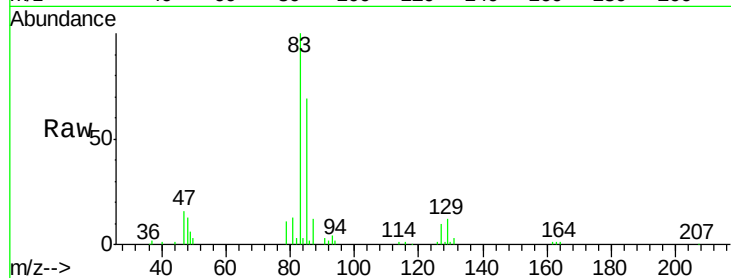
ClientSampleId :

VD1022SBS01

Tot Ion:	83	Resp:	86981
Ion	Ratio	Lower	Upper
83	100		
85	69.2	53.1	79.7
127	9.9	8.6	13.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.588 ug/l

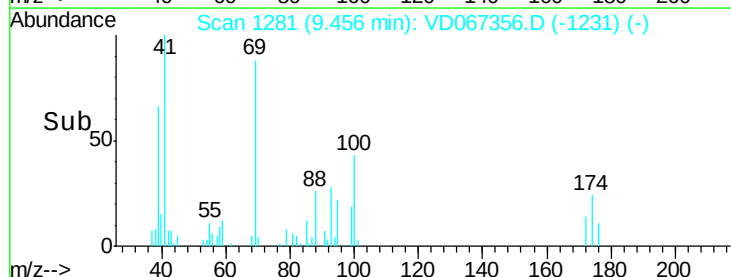
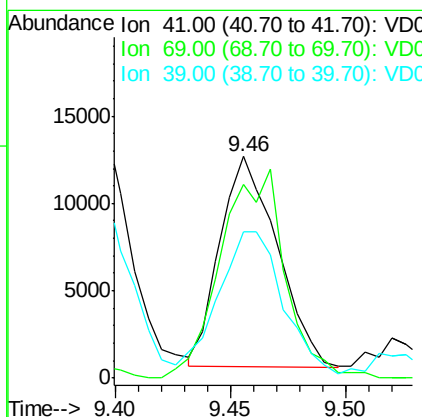
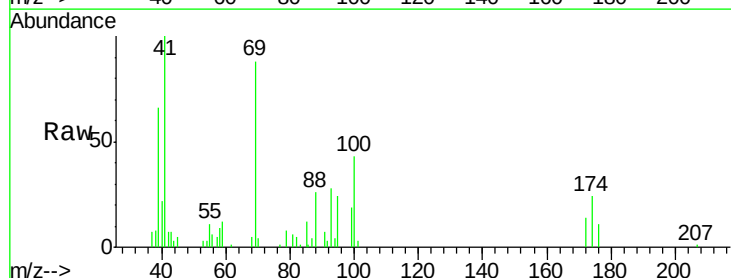
RT: 9.46 min Scan# 1281

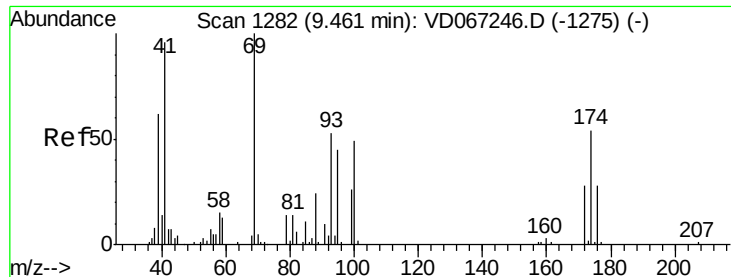
Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Tgt Ion:	41	Resp:	20790
Ion	Ratio	Lower	Upper
41	100		
69	111.1	89.0	133.6
39	80.6	60.2	90.2





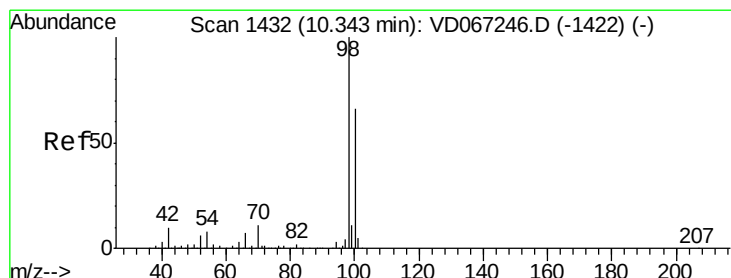
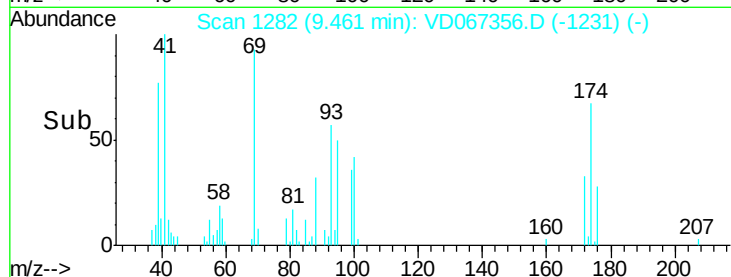
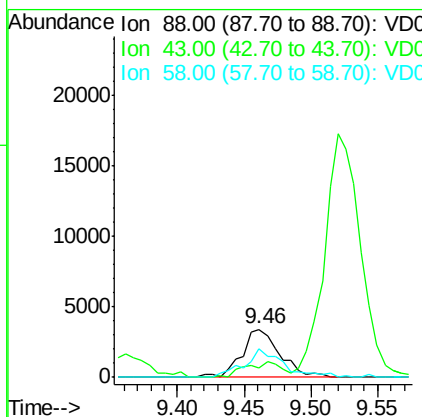
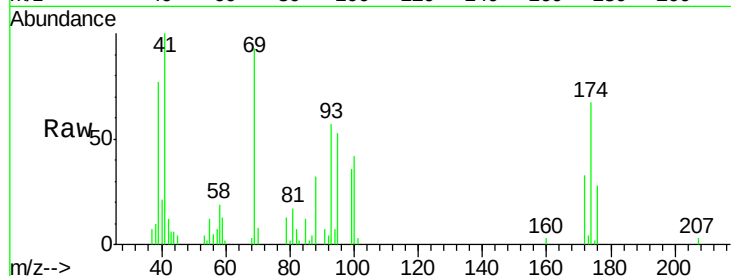
#49
1,4-Dioxane
Concen: 448.975 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	23.9	35.9
58	61.5	51.0	76.6

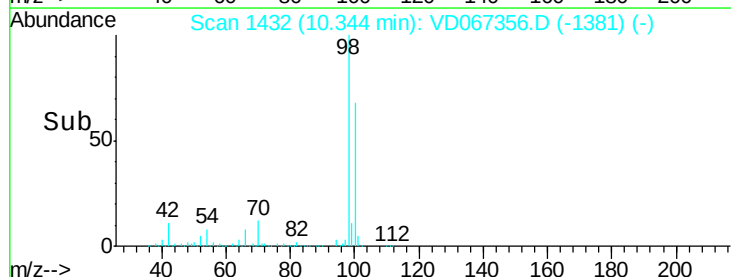
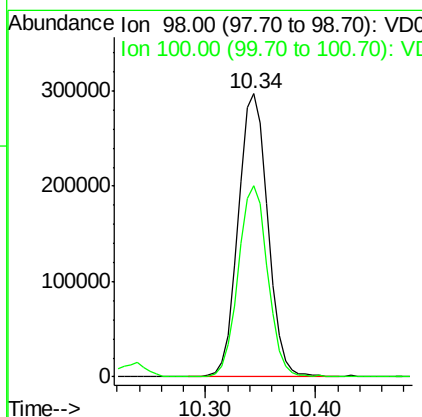
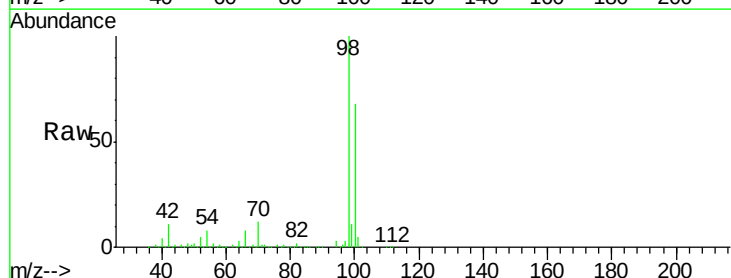
Manual Integrations
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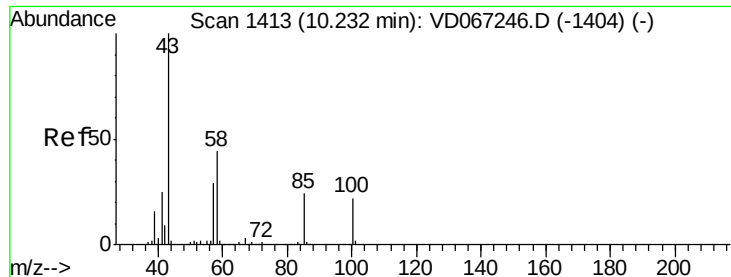
MMDadoda
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#50
Toluene-d8
Concen: 52.840 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.1	79.7





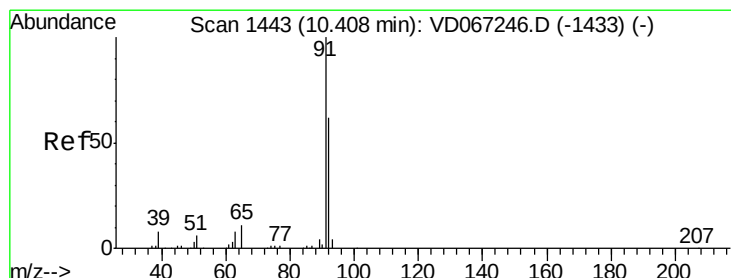
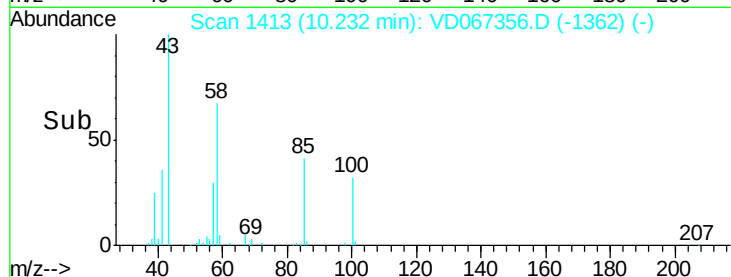
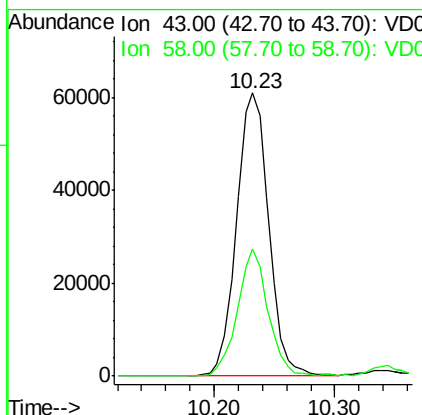
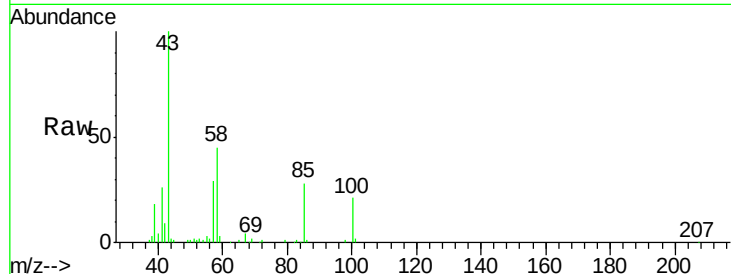
#51
4-Methyl-2-Pentanone
Concen: 104.073 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion: 43 Resp: 113371
Ion Ratio Lower Upper
43 100
58 43.0 35.7 53.5

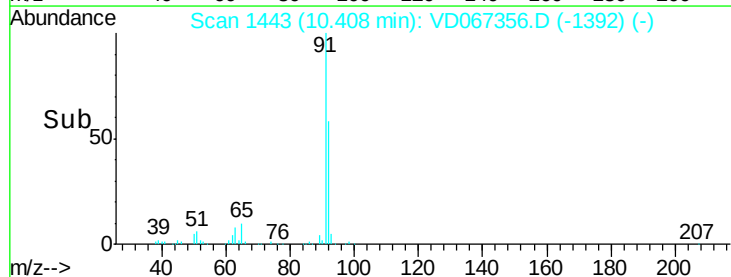
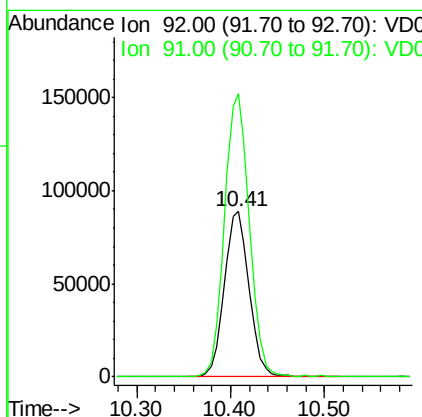
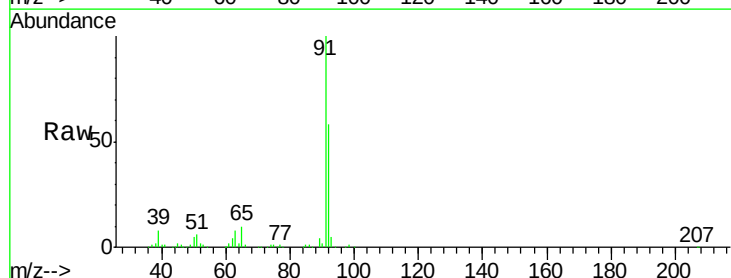
Manual Integrations
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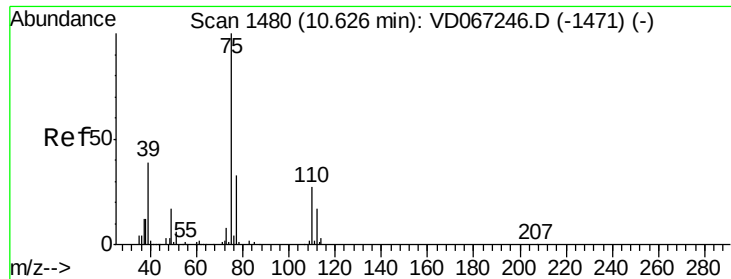
MMDadoda
10/23/2020 2:11:58 PM



#52
Toluene
Concen: 23.286 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion: 92 Resp: 162779
Ion Ratio Lower Upper
92 100
91 171.5 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 21.944 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 75 Resp: 76541

Ion Ratio Lower Upper

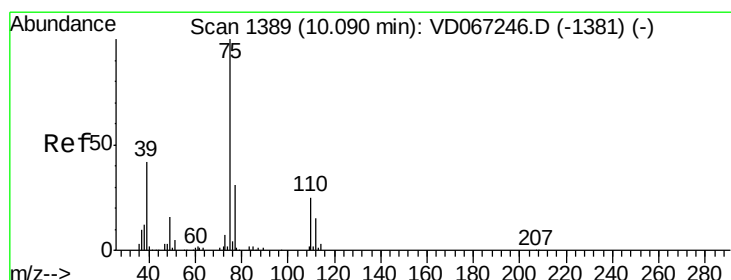
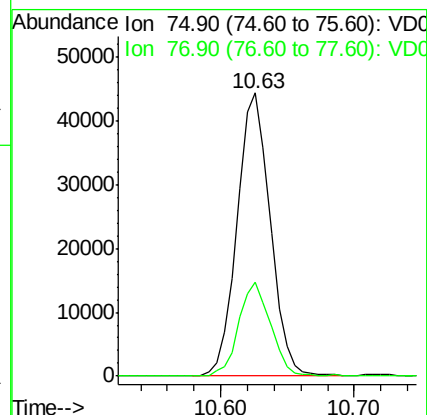
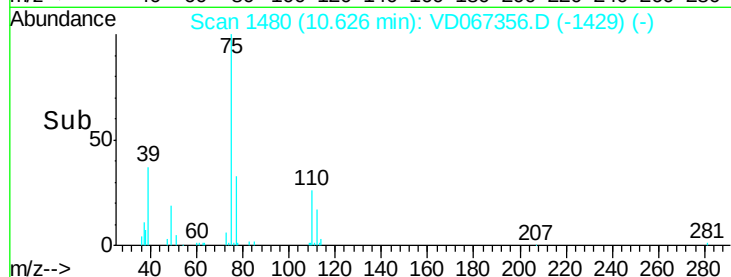
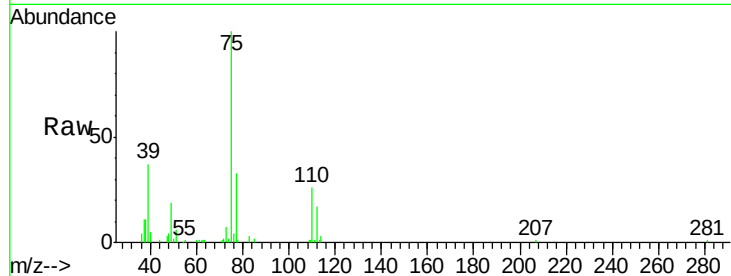
75 100

77 33.0 26.5 39.7

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#54

cis-1,3-Dichloropropene

Concen: 21.941 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

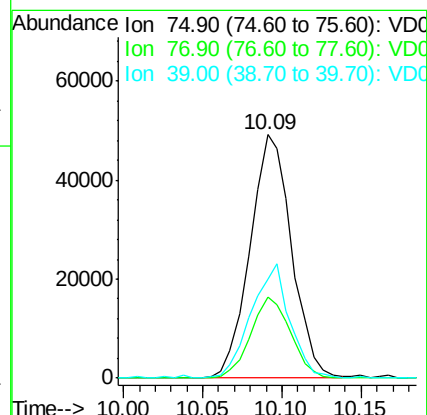
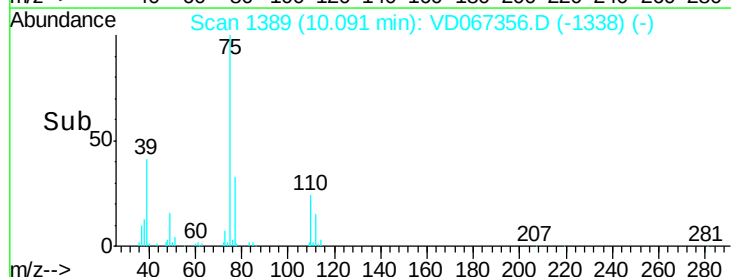
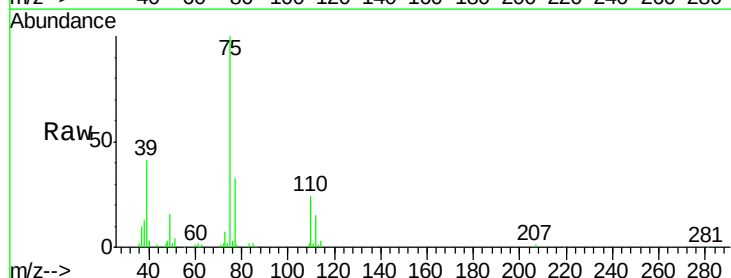
Tgt Ion: 75 Resp: 89564

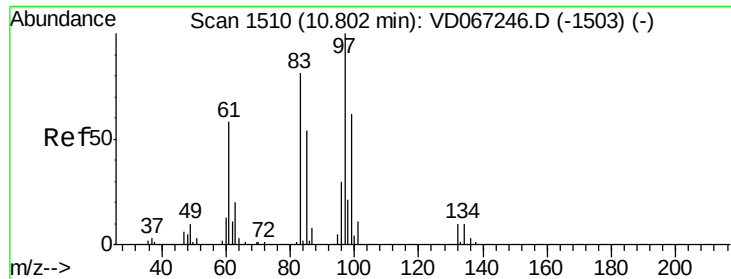
Ion Ratio Lower Upper

75 100

77 33.1 24.5 36.7

39 40.8 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 22.171 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

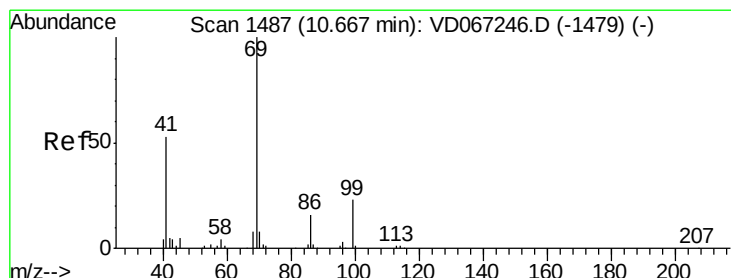
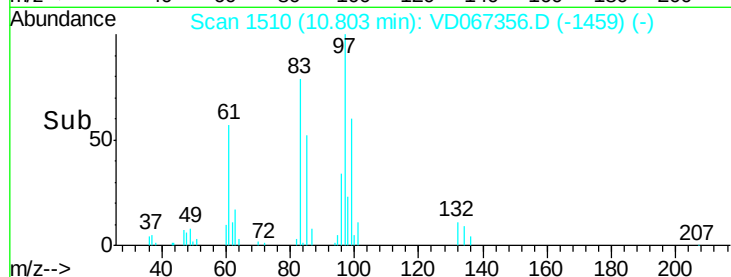
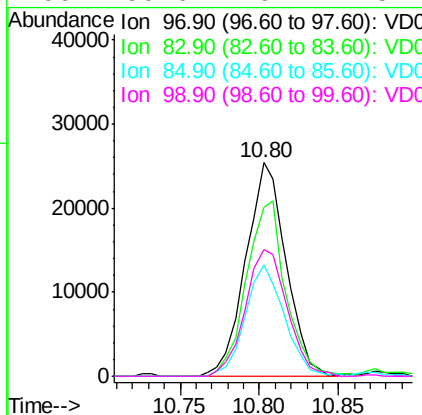
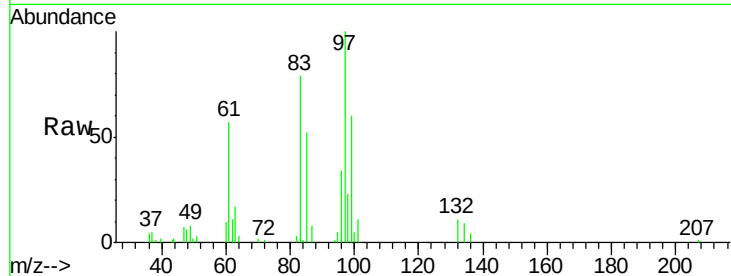
ClientSampleId :

VD1022SBS01

Tot Ion:	97	Resp:	44804
Ion	Ratio	Lower	Upper
97	100		
83	78.9	64.9	97.3
85	52.4	43.3	64.9
99	59.6	49.1	73.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.055 ug/l

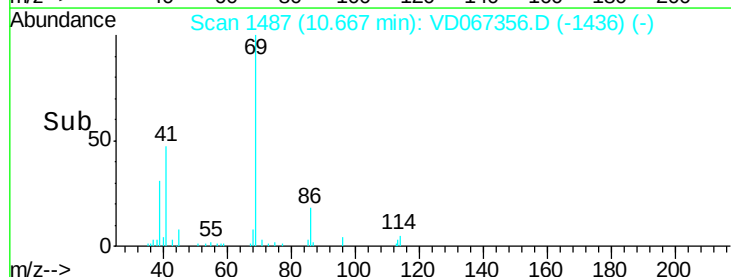
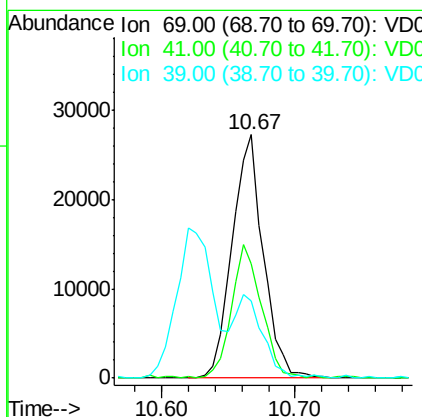
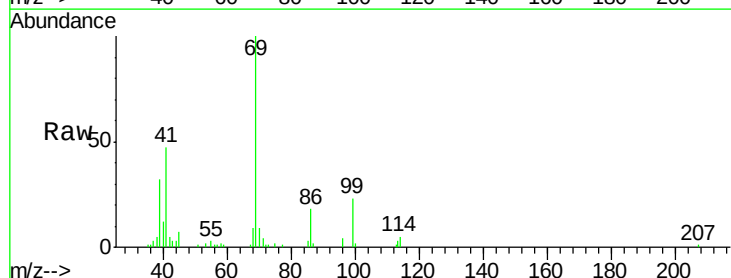
RT: 10.67 min Scan# 1487

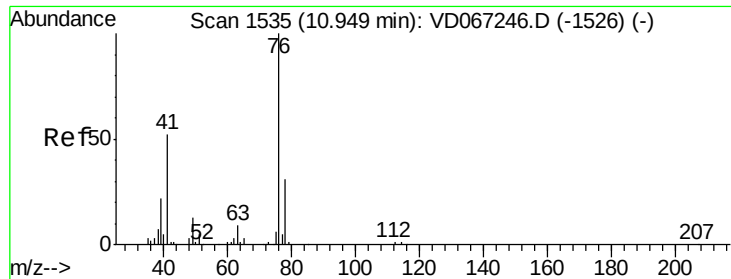
Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Tgt Ion:	69	Resp:	44129
Ion	Ratio	Lower	Upper
69	100		
41	53.1	44.7	67.1
39	29.2	26.2	39.2





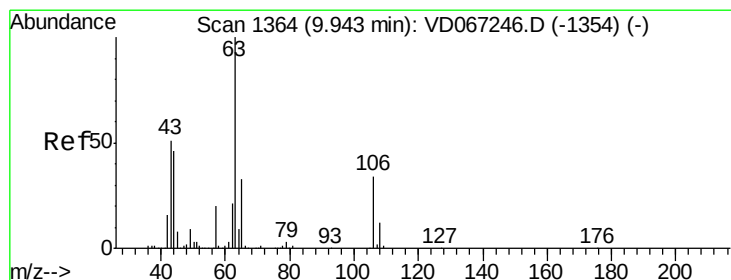
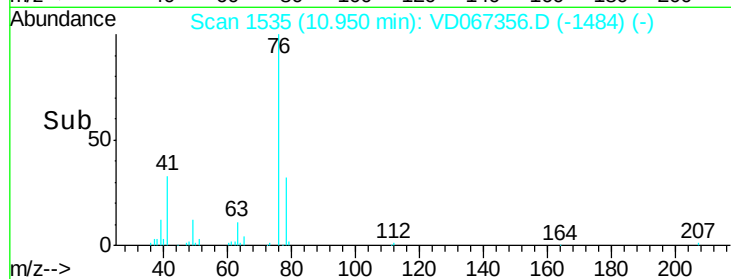
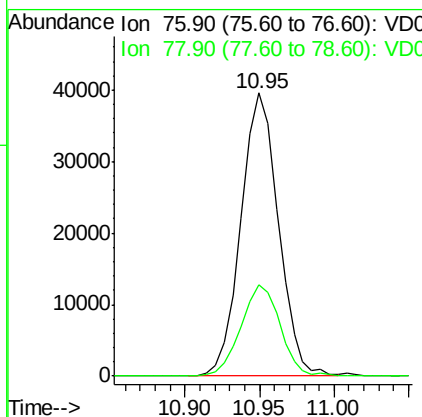
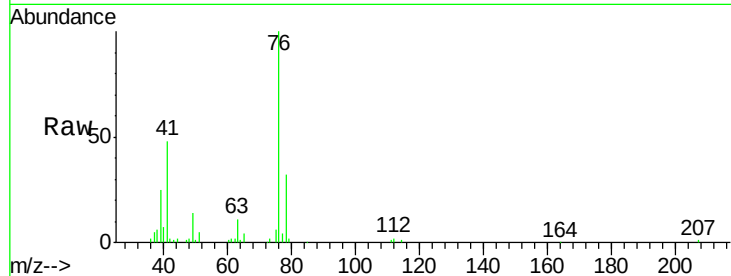
#57
 1,3-Dichloropropane
 Concen: 21.447 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.6	26.8	40.2

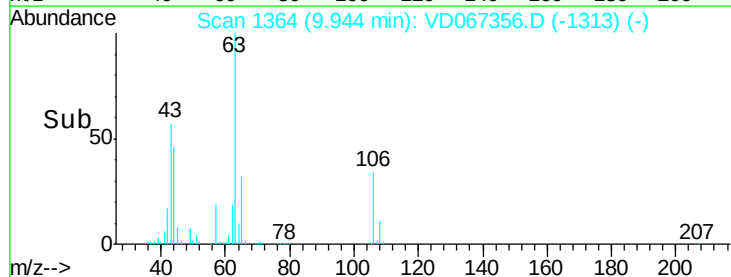
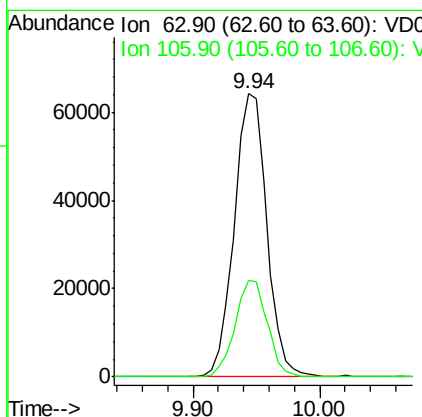
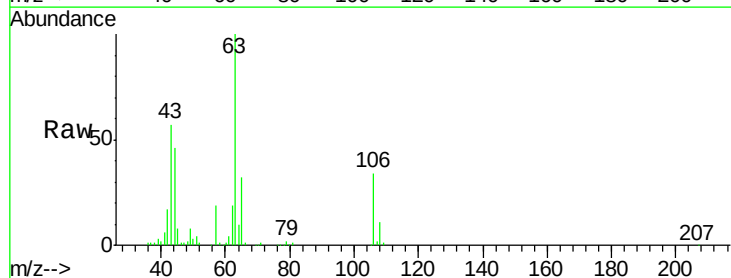
Manual Integrations
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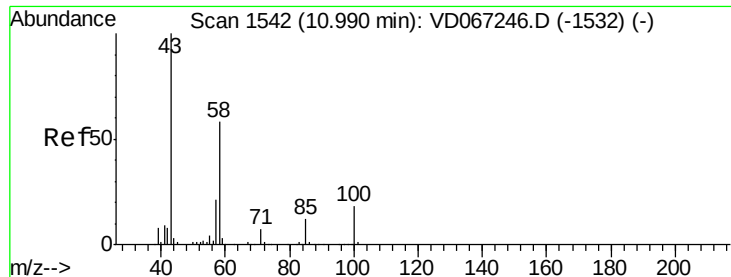
MMDadoda
 10/23/2020 2:11:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.139 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.8	27.8	41.6





#59

2-Hexanone

Concen: 100.899 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 43 Resp: 75107

Ion Ratio Lower Upper

43 100

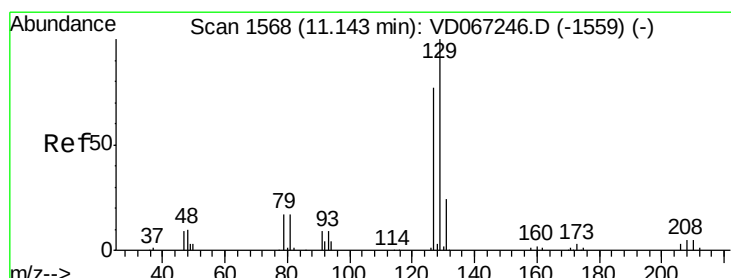
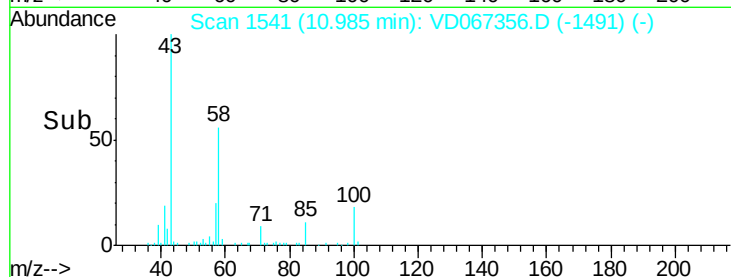
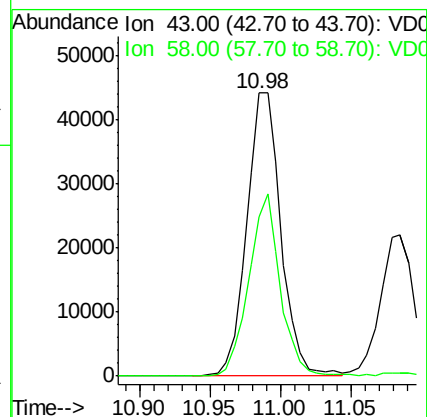
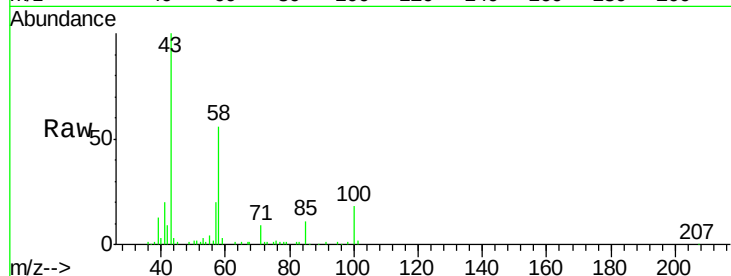
58 58.9 29.3 87.9

Manual Integrations

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10/23/2020 2:11:58 PM



#60

Dibromochloromethane

Concen: 22.359 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD067356.D

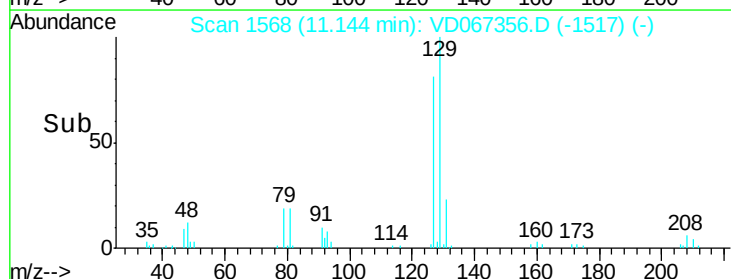
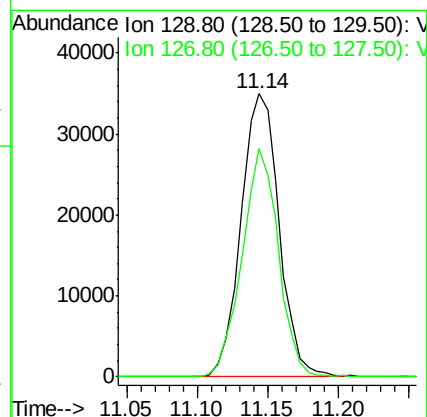
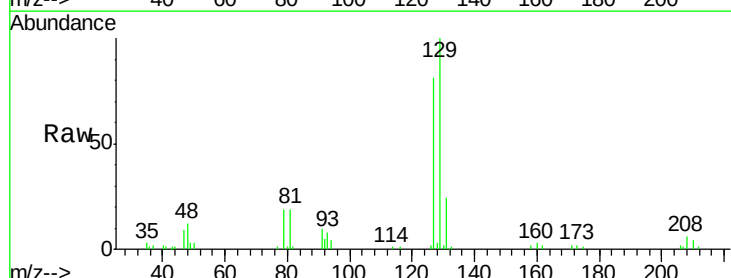
Acq: 22 Oct 2020 12:27

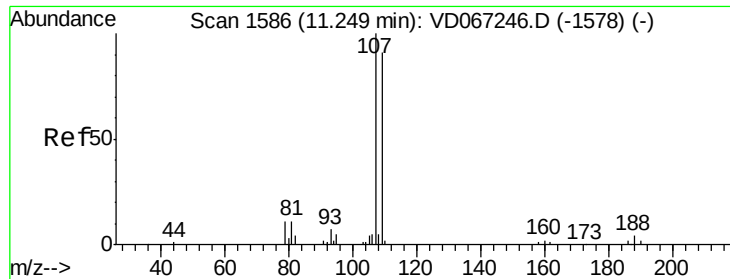
Tgt Ion: 129 Resp: 65896

Ion Ratio Lower Upper

129 100

127 77.4 38.3 114.8





#61

1,2-Dibromoethane

Concen: 21.637 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion:107 Resp: 43107

Ion Ratio Lower Upper

107 100

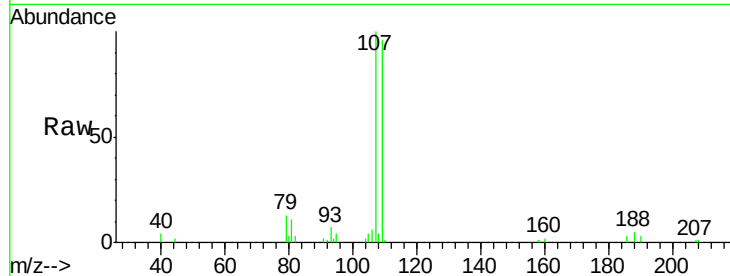
109 93.1 74.6 112.0

Manual Integrations

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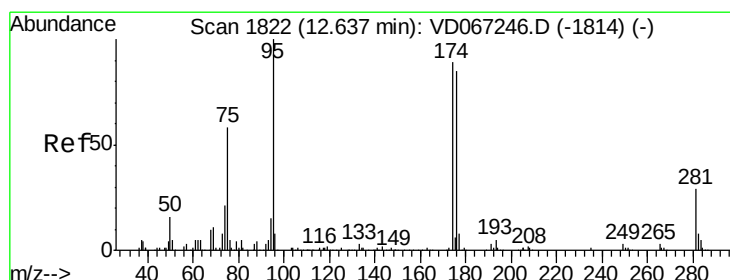
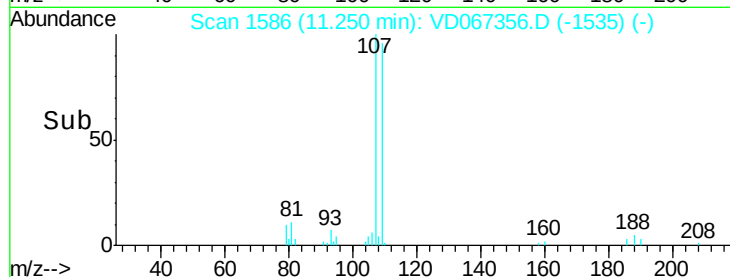
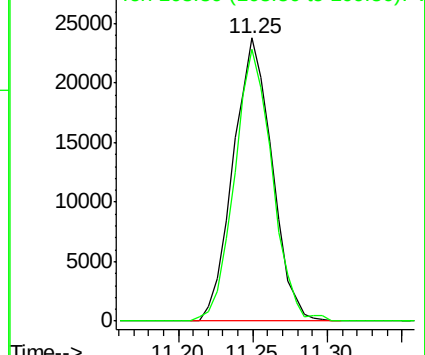
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.955 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

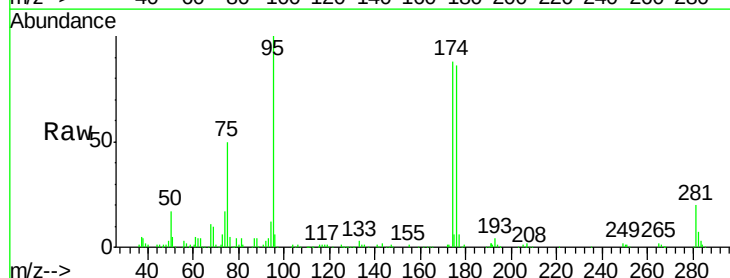
Tgt Ion: 95 Resp: 199441

Ion Ratio Lower Upper

95 100

174 85.3 0.0 175.2

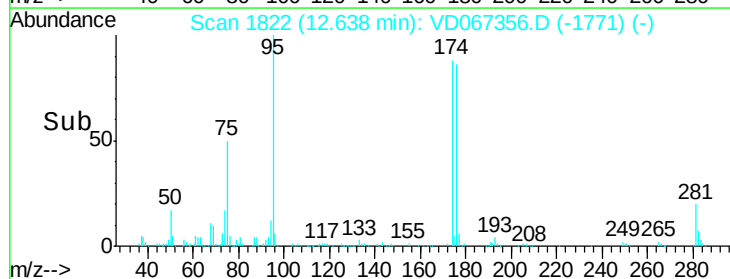
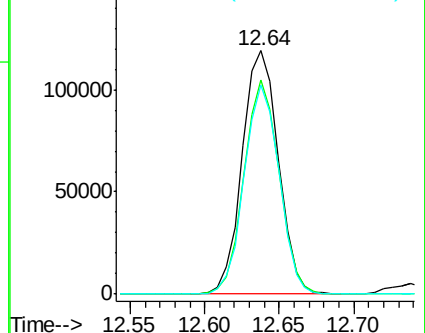
176 83.4 0.0 168.6

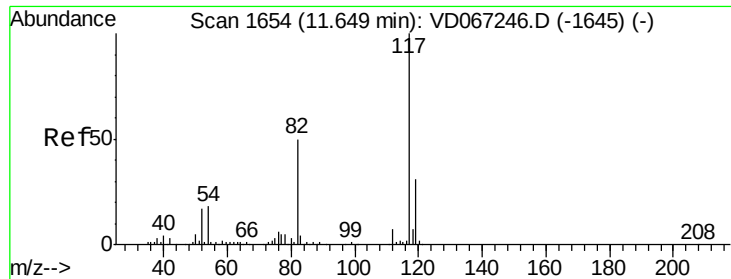


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





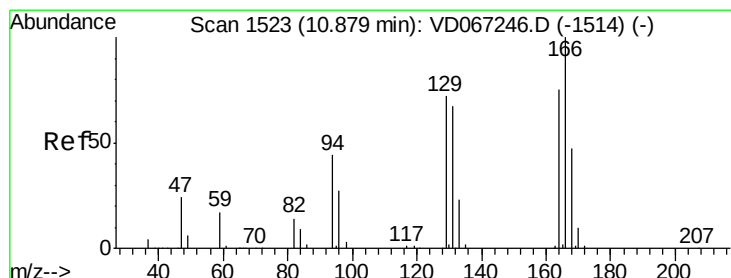
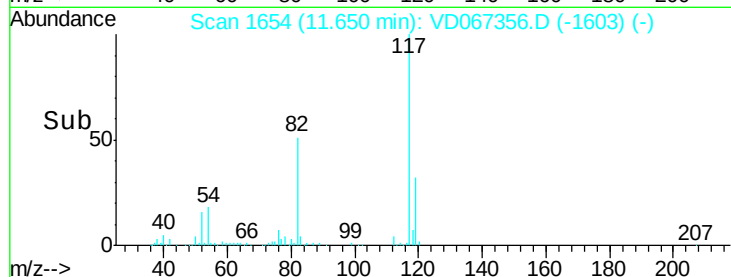
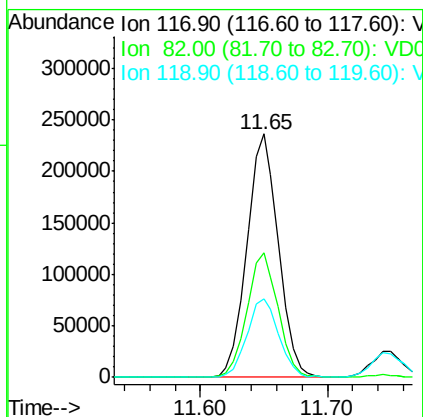
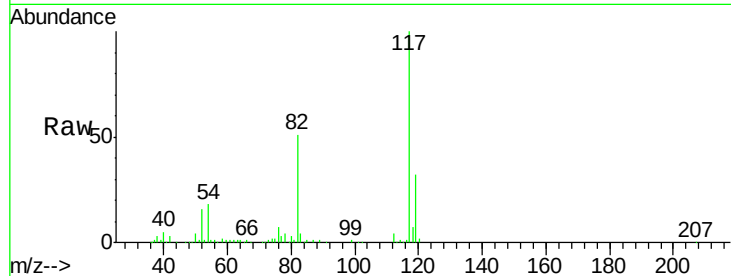
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	406487		
82	51.2		39.9	59.9
119	32.1		24.9	37.3

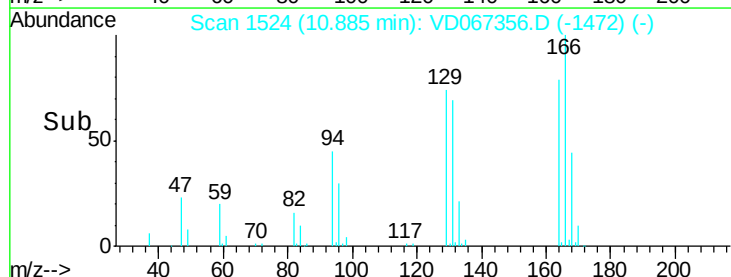
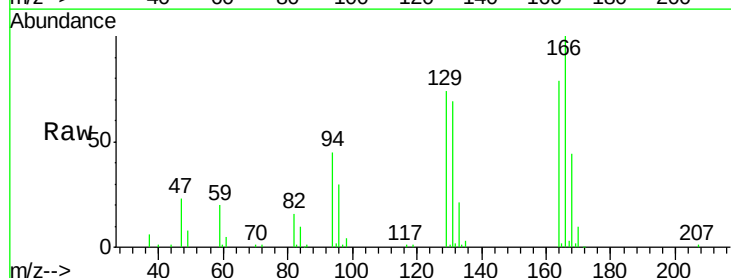
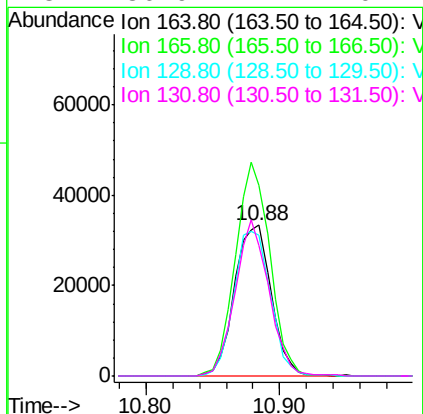
Manual Integrations
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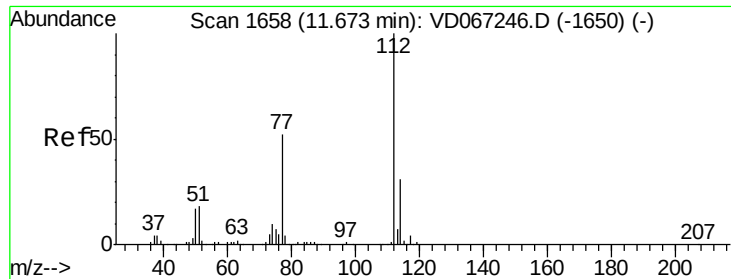
MMDadoda
10/23/2020 2:11:58 PM



#64
Tetrachloroethene
Concen: 21.558 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	63492		
166	126.3		107.3	160.9
129	93.6		77.3	115.9
131	86.9		71.4	107.2





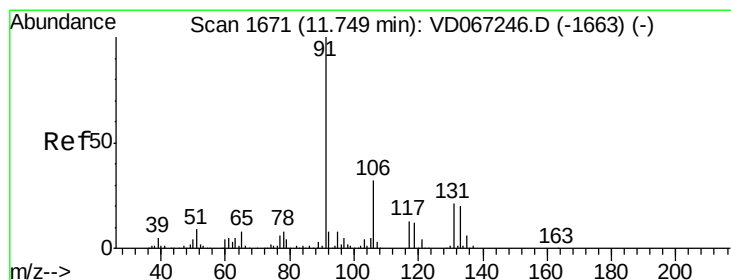
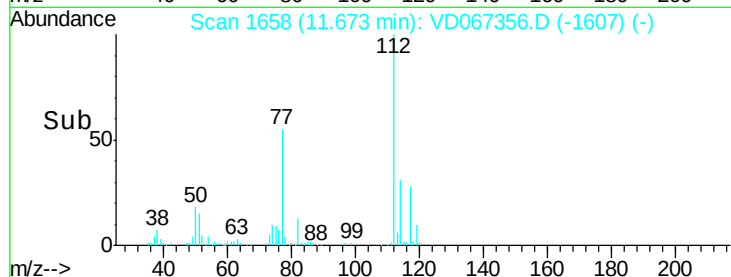
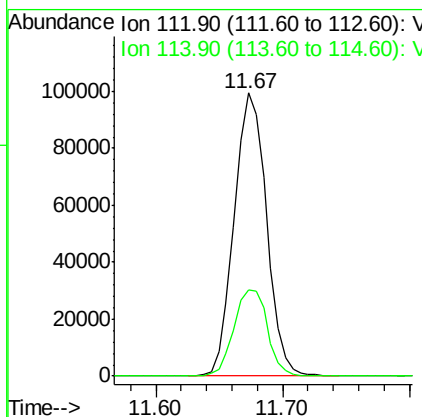
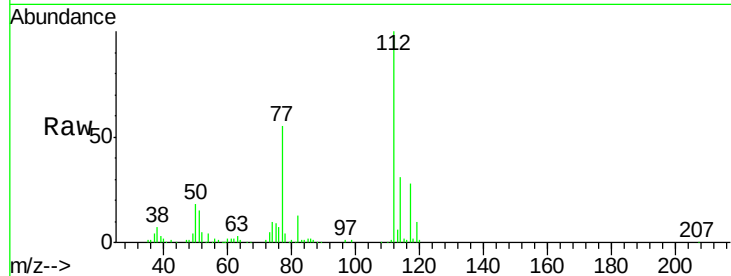
#65
Chlorobenzene
Concen: 22.581 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion:112 Resp: 176013
Ion Ratio Lower Upper
112 100
114 30.5 25.0 37.4

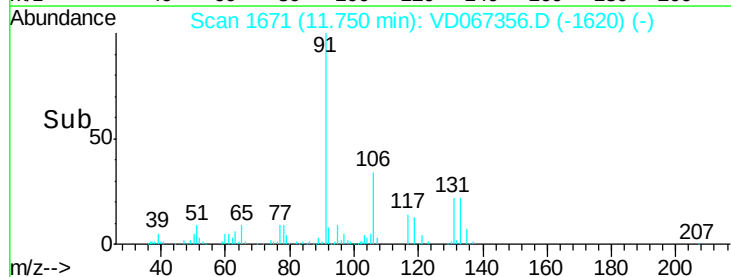
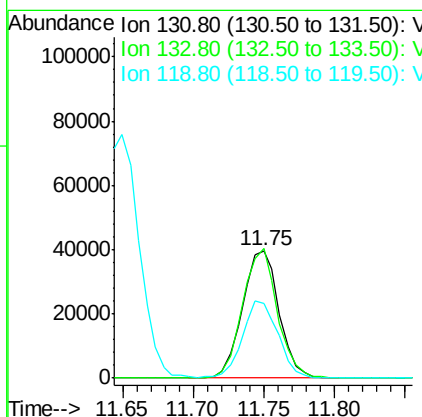
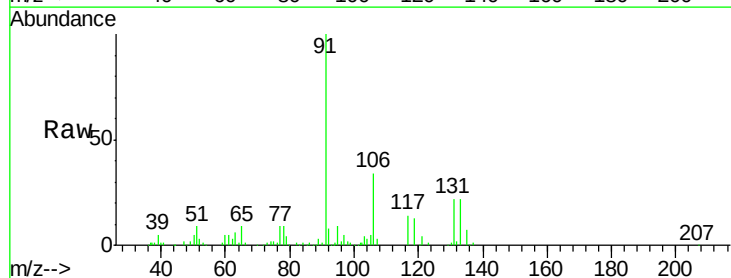
Manual Integrations
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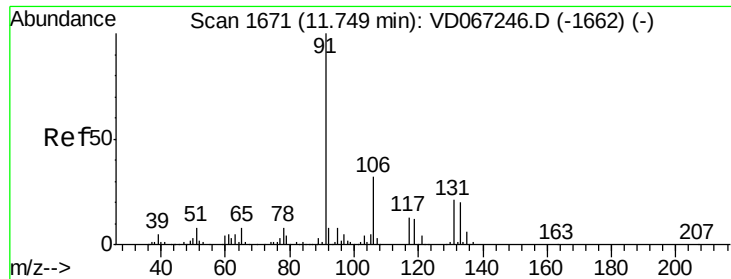
MMDadoda
10/23/2020 2:11:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.109 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion:131 Resp: 71593
Ion Ratio Lower Upper
131 100
133 97.1 48.1 144.3
119 59.0 30.0 90.0





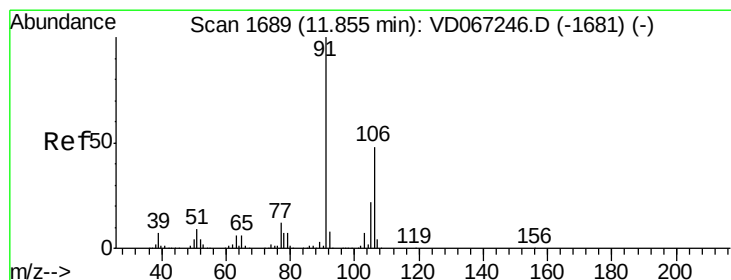
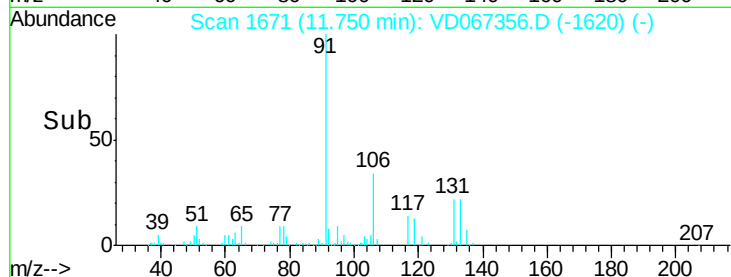
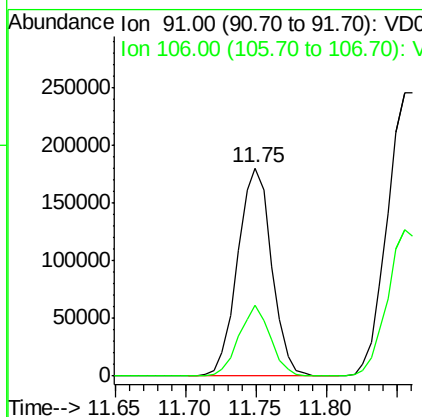
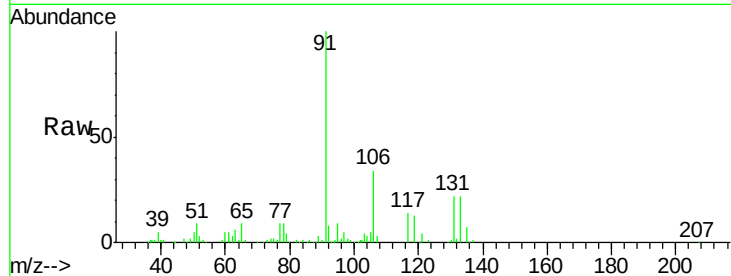
#67
Ethyl Benzene
Concen: 22.792 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion: 91 Resp: 304545
Ion Ratio Lower Upper
91 100
106 33.9 25.4 38.0

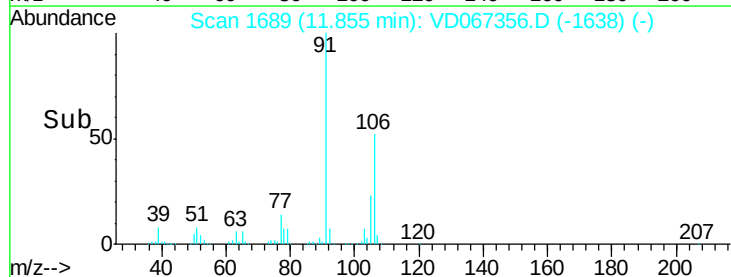
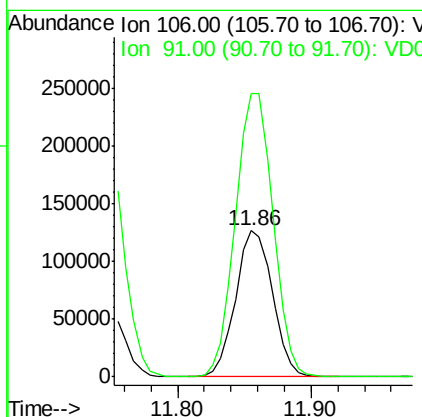
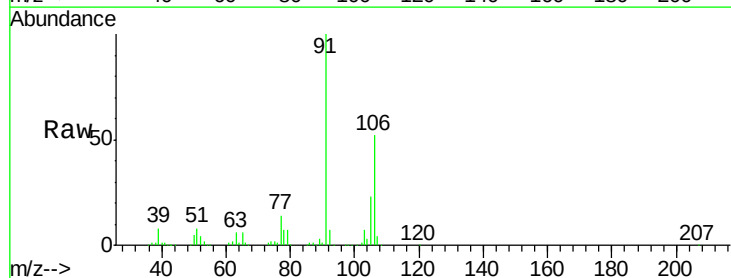
Manual Integrations
APPROVED

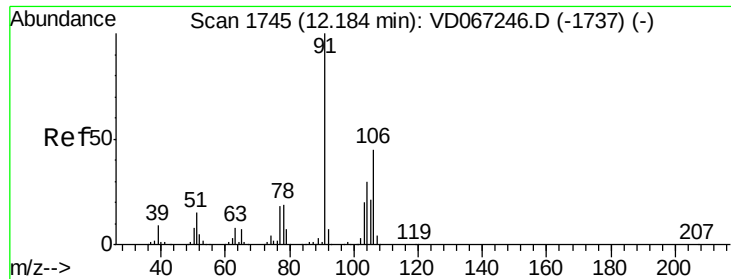
MMDadoda
10/23/2020 2:11:58 PM



#68
m/p-Xylenes
Concen: 47.126 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion: 106 Resp: 242483
Ion Ratio Lower Upper
106 100
91 197.8 163.8 245.8





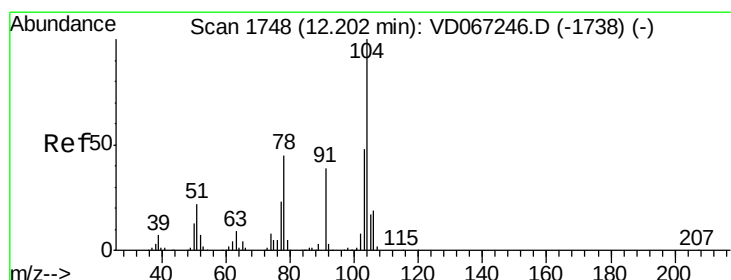
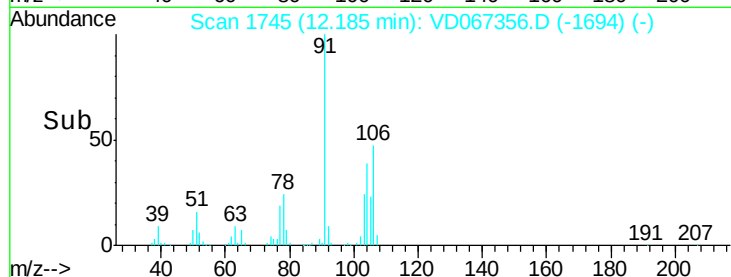
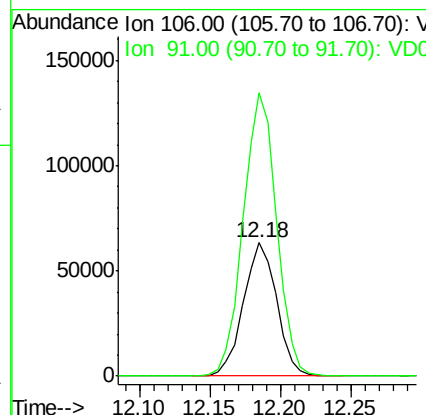
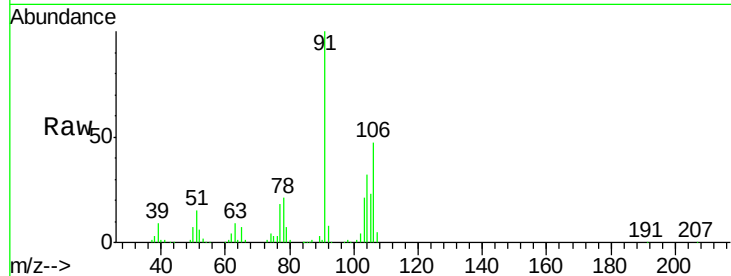
#69
o-Xylene
Concen: 22.024 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		104939		
91	212.2	109.1	327.3		

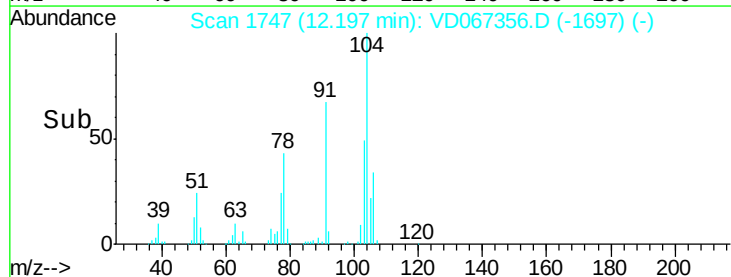
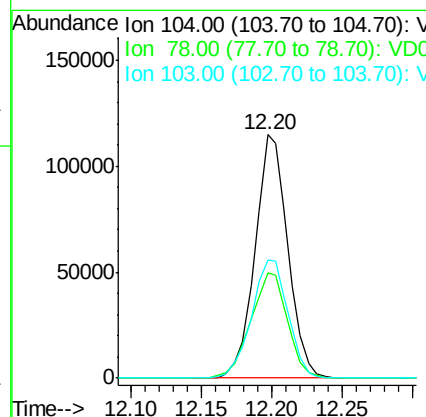
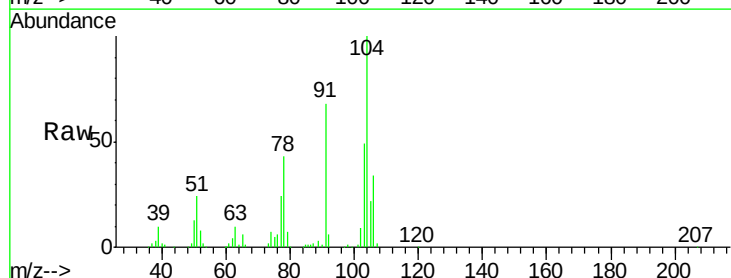
Manual Integrations
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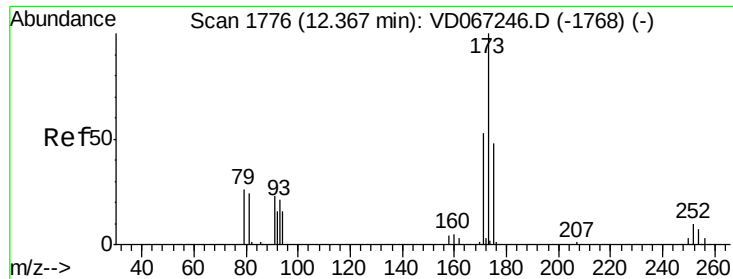
MMDadoda
10/23/2020 2:11:58 PM



#70
Styrene
Concen: 22.814 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		187121		
78	48.6	39.8	59.6		
103	54.1	42.6	64.0		





#71

Bromoform

Concen: 21.647 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion:173 Resp: 36028

Ion Ratio Lower Upper

173 100

175 48.0 24.2 72.6

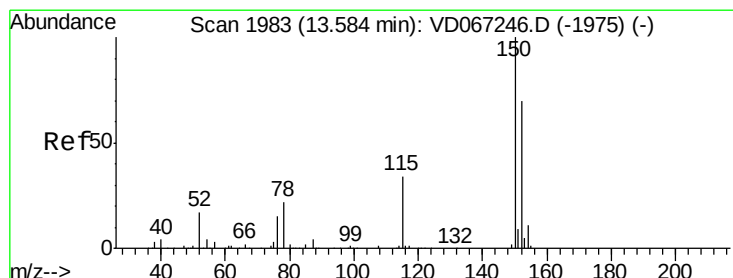
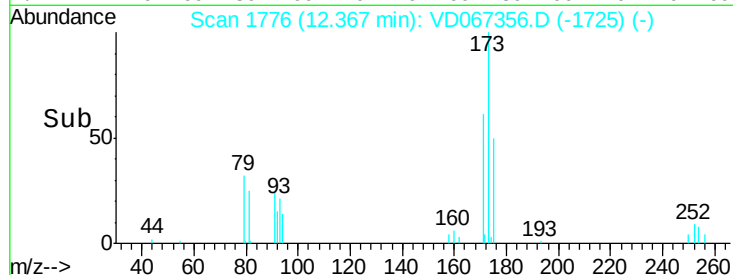
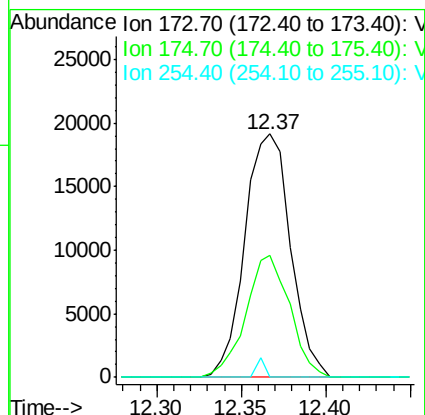
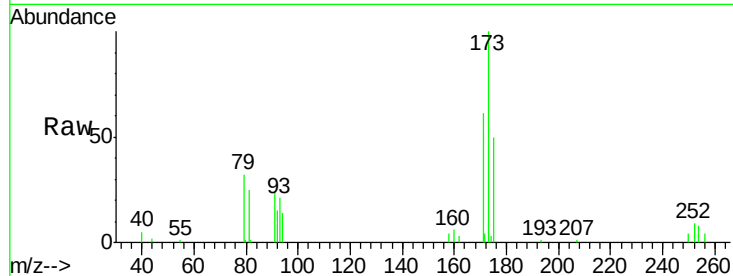
254 1.5 0.1 0.1#

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

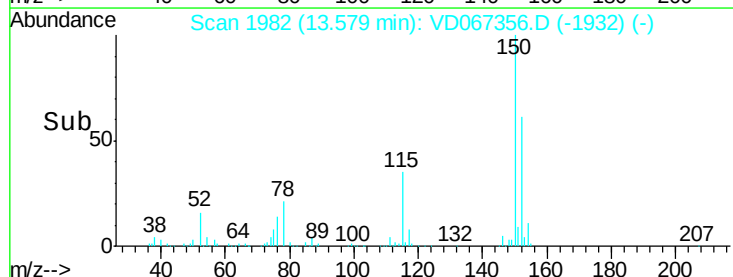
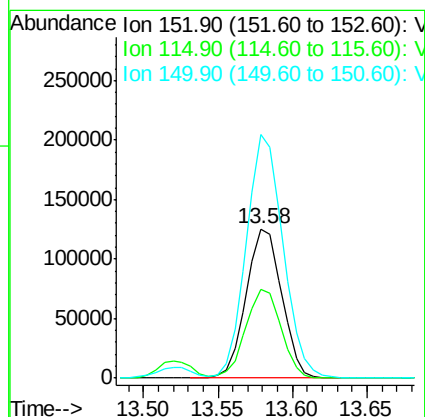
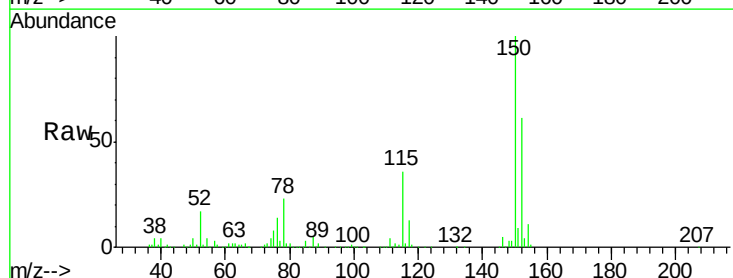
Tgt Ion:152 Resp: 206732

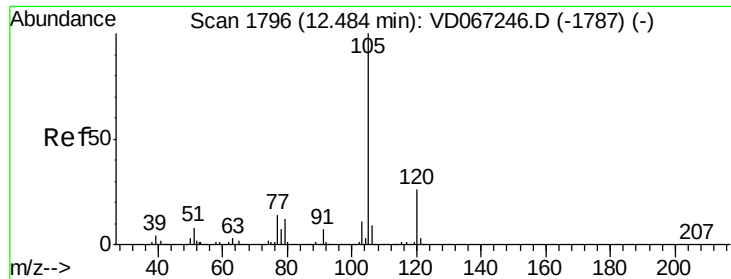
Ion Ratio Lower Upper

152 100

115 59.4 29.3 87.9

150 168.7 0.0 339.0





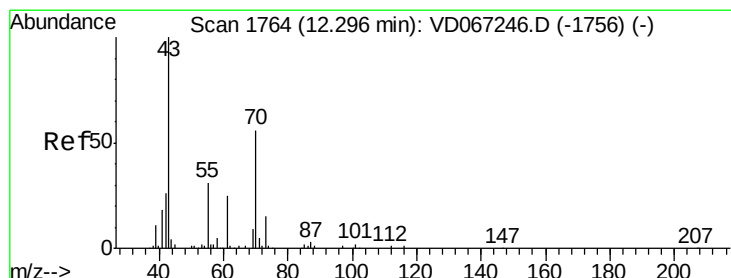
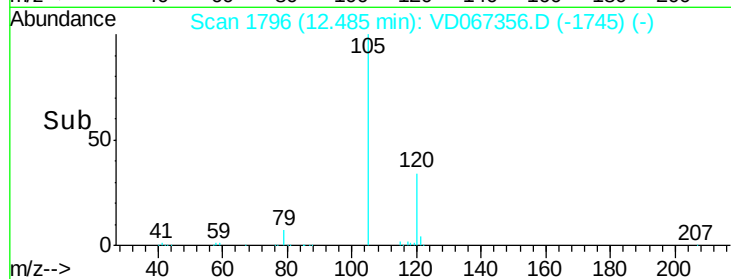
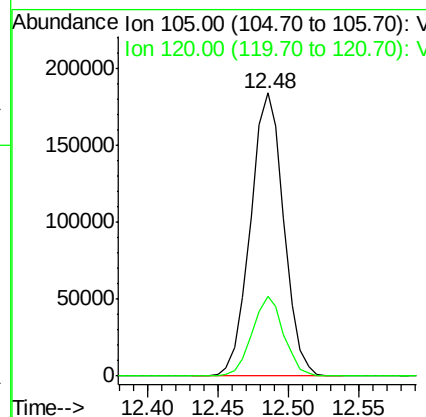
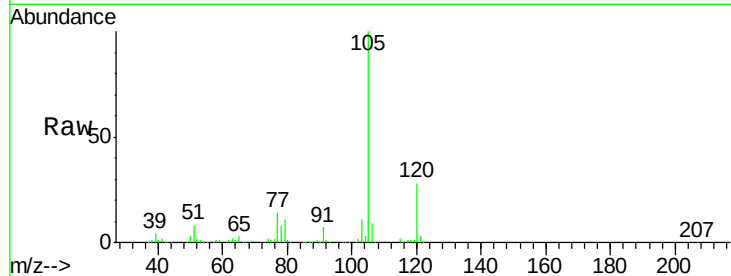
#73
Isopropylbenzene
Concen: 23.216 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.8

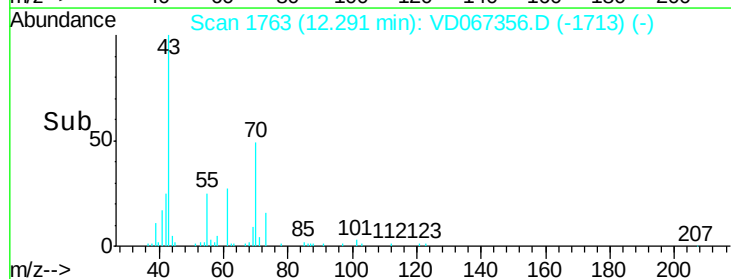
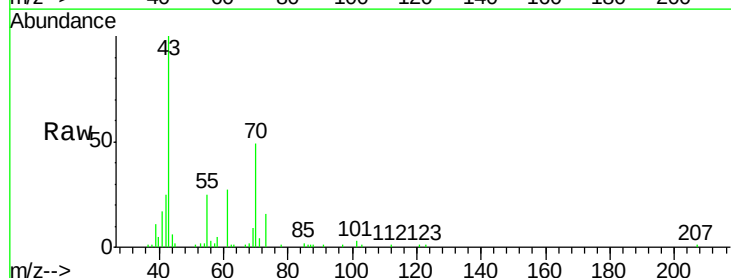
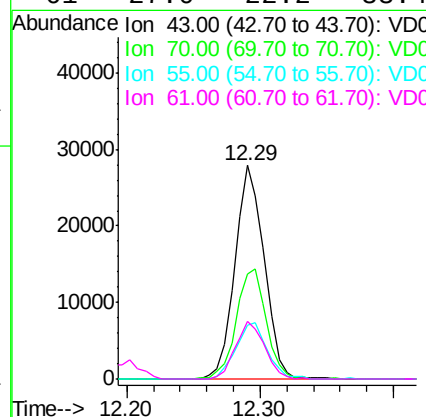
Manual Integrations
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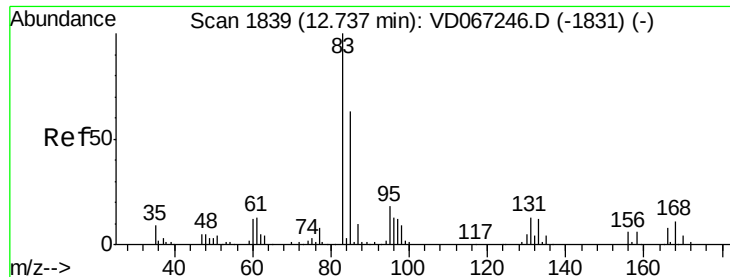
MMDadoda
10/23/2020 2:11:58 PM



#74
N-ethyl acetate
Concen: 21.527 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.7	42.7	64.1
55	28.2	24.0	36.0
61	27.0	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.957 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

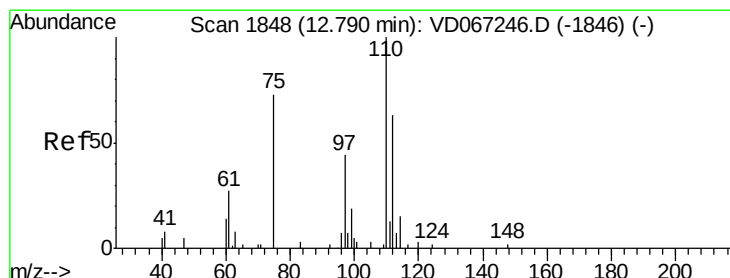
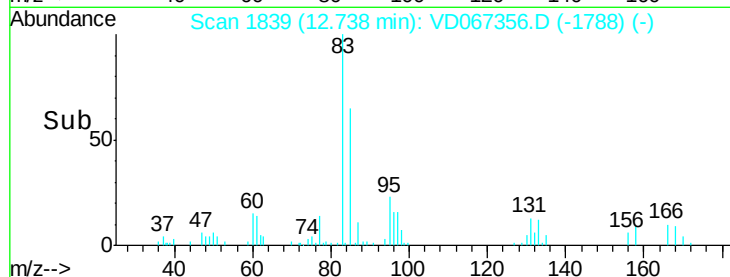
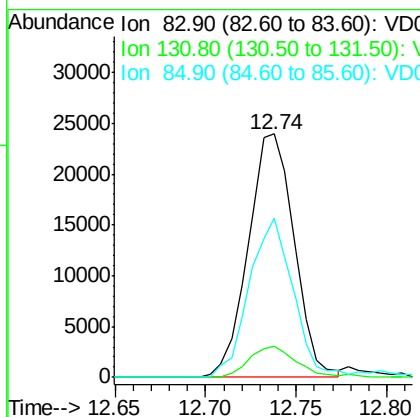
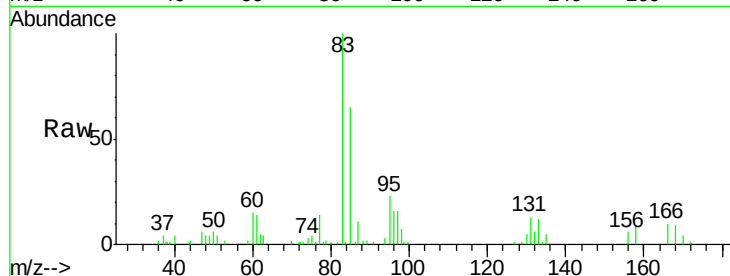
ClientSampleId :

VD1022SBS01

Tot Ion:	83	Resp:	42131
Ion	Ratio	Lower	Upper
83	100		
131	13.4	6.5	19.5
85	62.9	32.6	97.7

Manual Integrations
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10/23/2020 2:11:58 PM



#76

1,2,3-Trichloropropane

Concen: 23.149 ug/l m

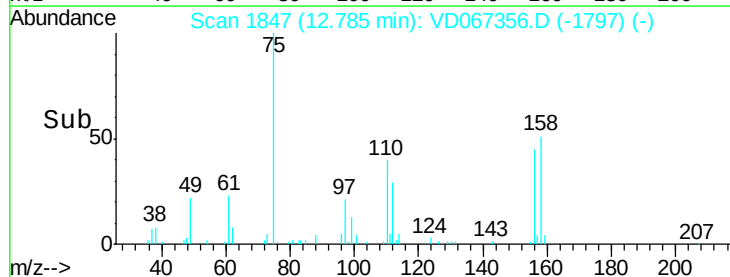
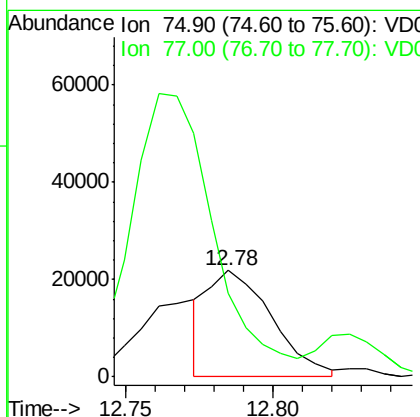
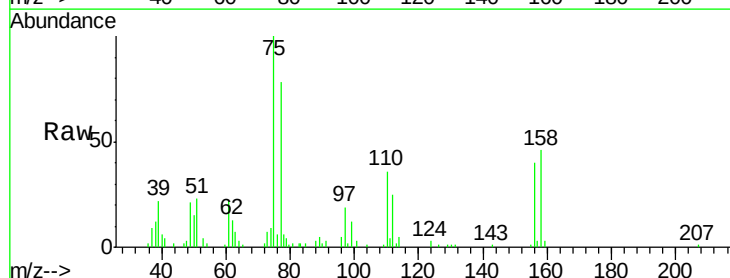
RT: 12.78 min Scan# 1847

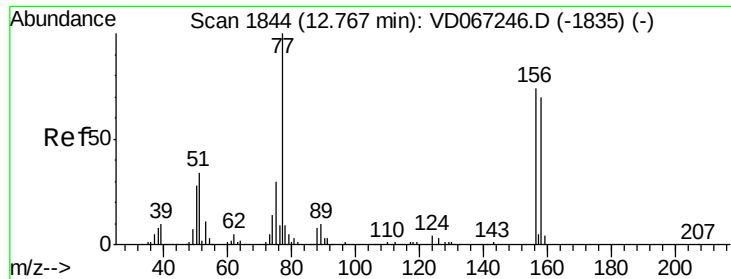
Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Tgt Ion:	75	Resp:	33169
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 23.002 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

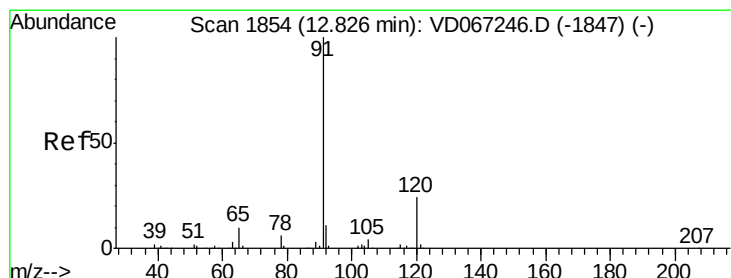
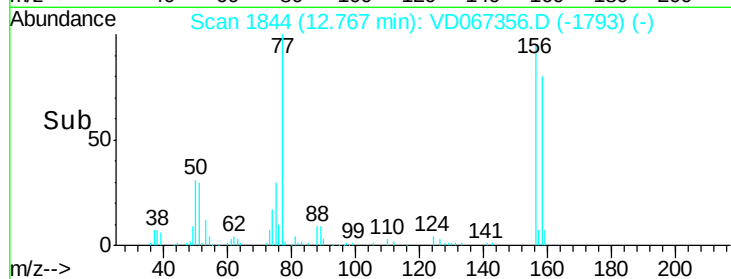
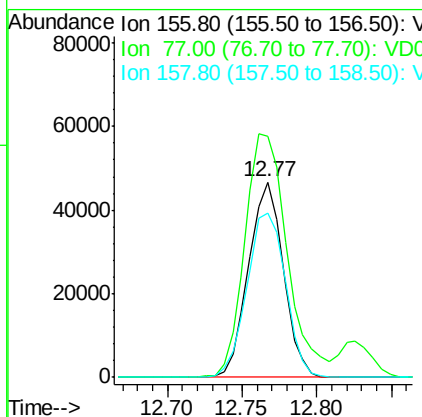
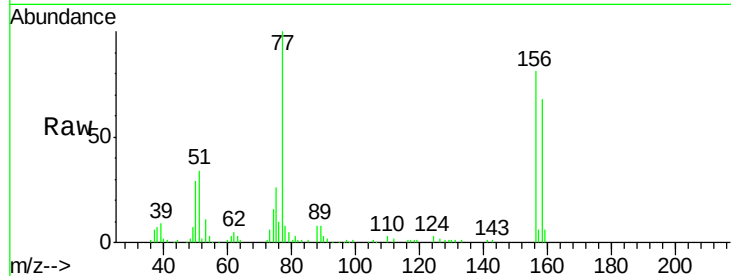
ClientSampleId :

VD1022SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.1	78.0	233.8
158	93.4	49.1	147.3

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#78

n-propylbenzene

Concen: 22.946 ug/l

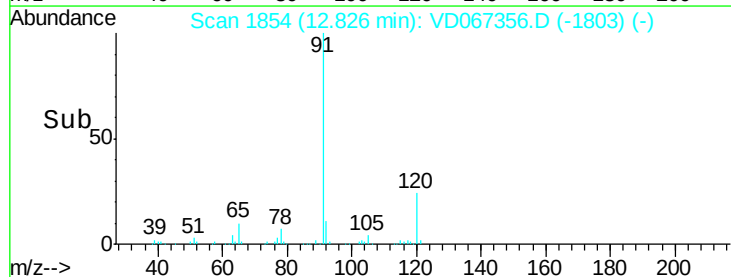
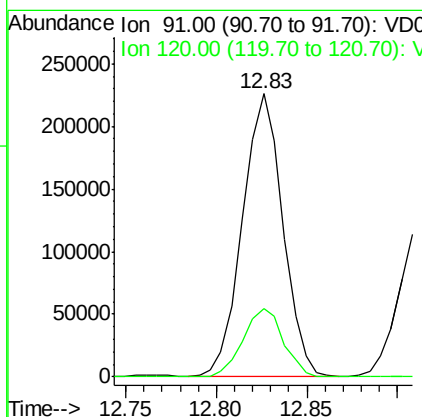
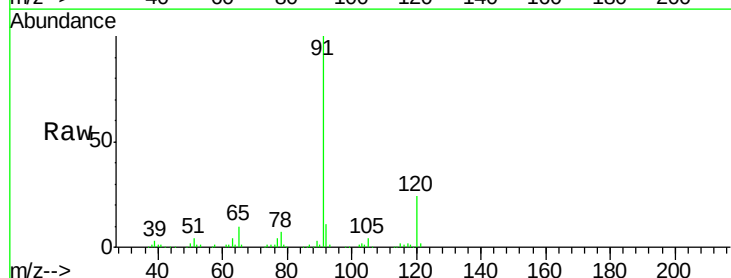
RT: 12.83 min Scan# 1854

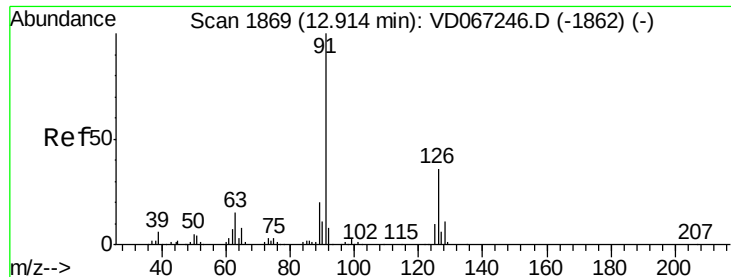
Delta R.T. 0.00 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.9	35.9





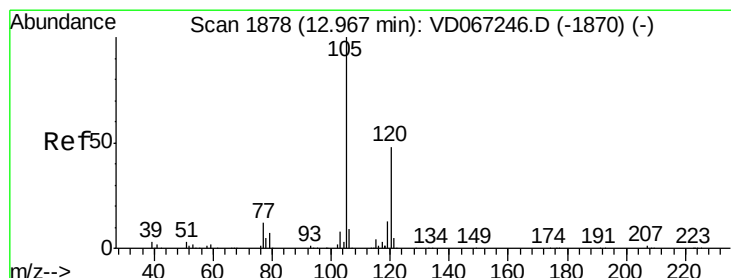
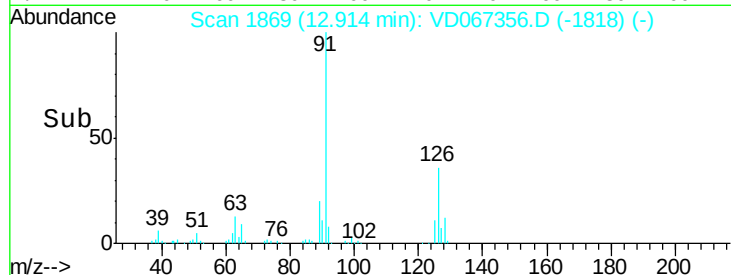
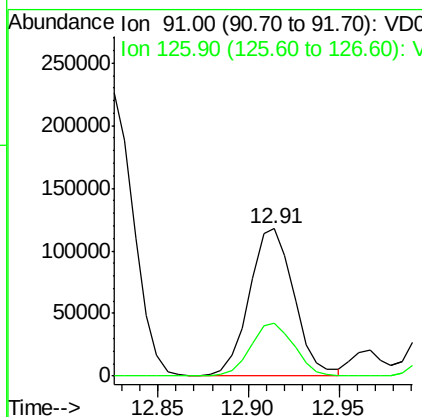
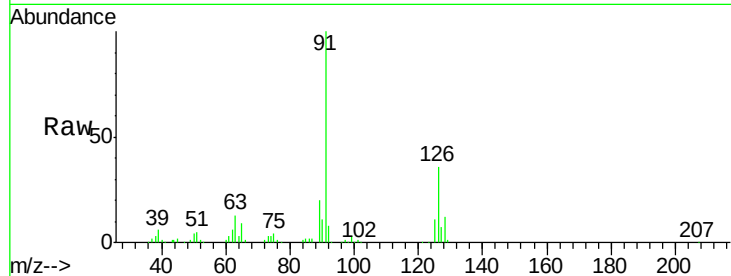
#79
 2-Chlorotoluene
 Concen: 22.892 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Tot Ion: 91 Resp: 201817
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.6 52.8

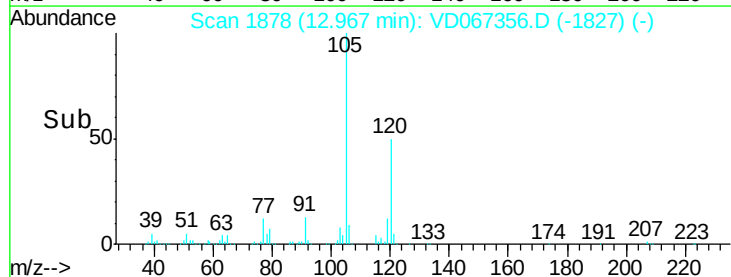
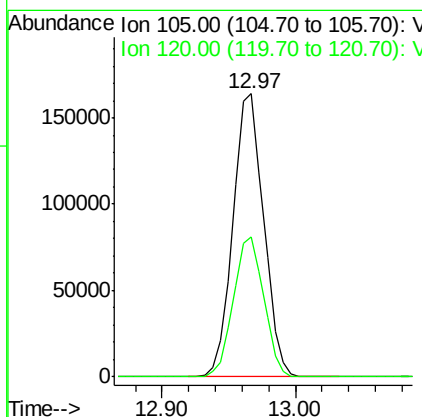
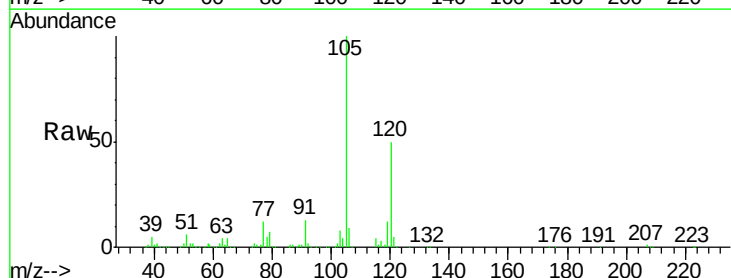
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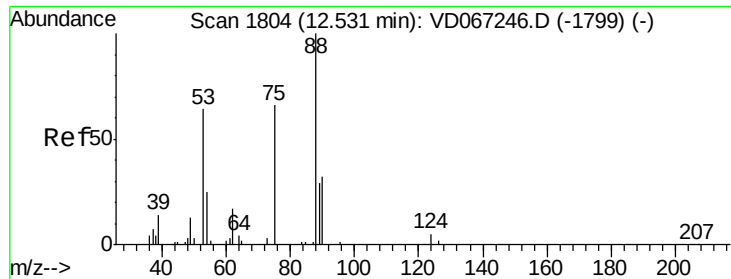
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.005 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion: 105 Resp: 262295
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.3 72.8





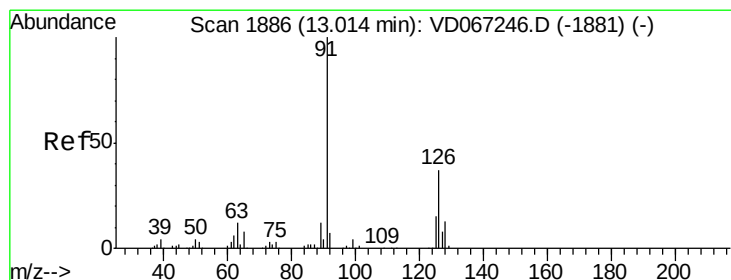
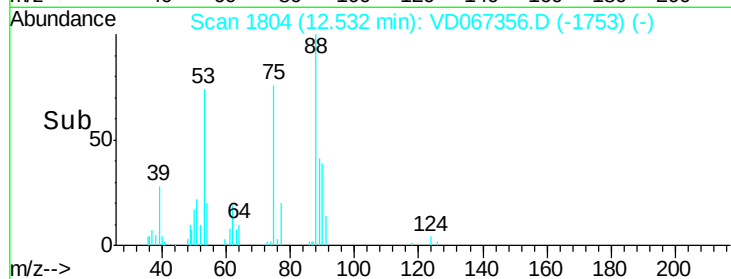
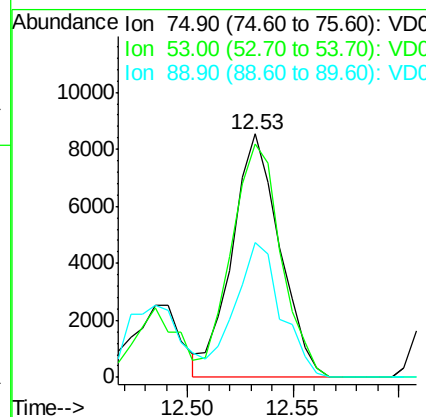
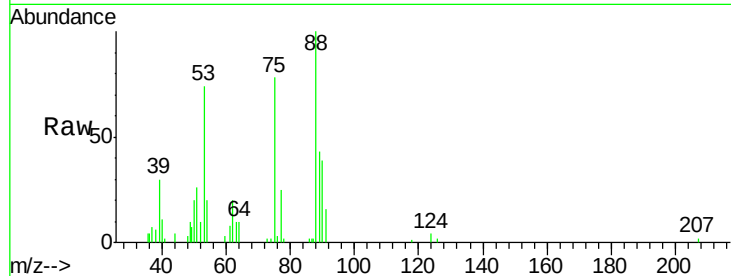
#81
trans-1,4-Dichloro-2-butene
Concen: 21.119 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.3	78.5	117.7
89	53.6	39.9	59.9

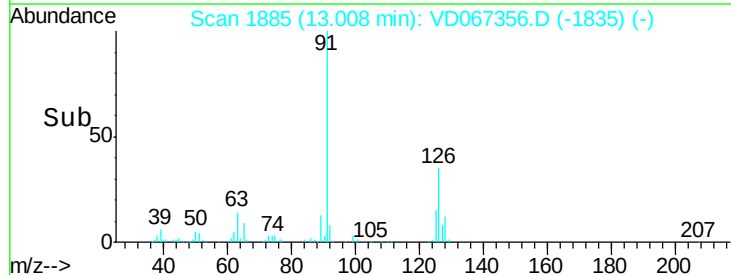
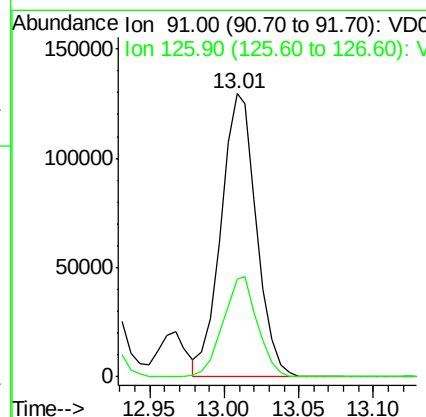
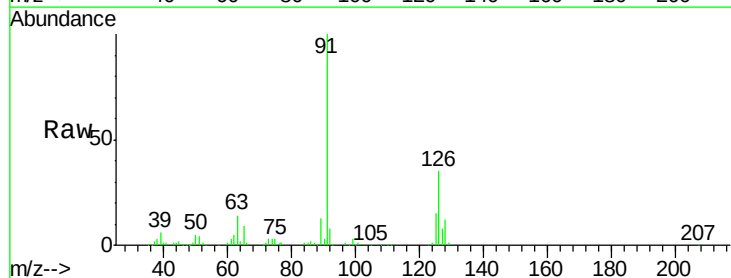
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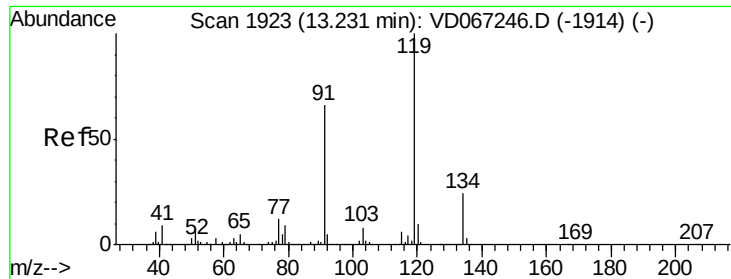
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#82
4-Chlorotoluene
Concen: 22.951 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.8	53.5





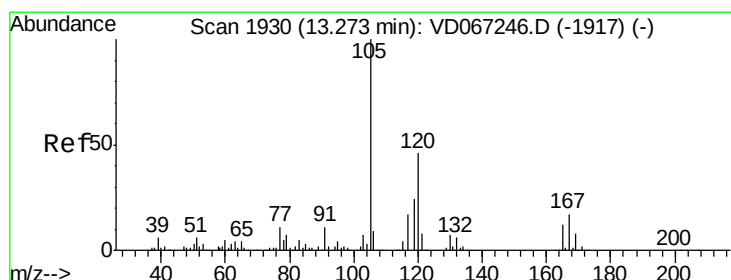
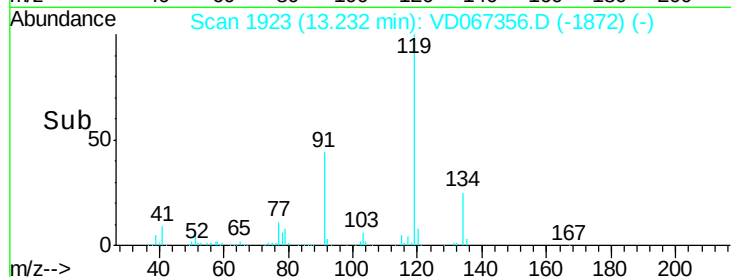
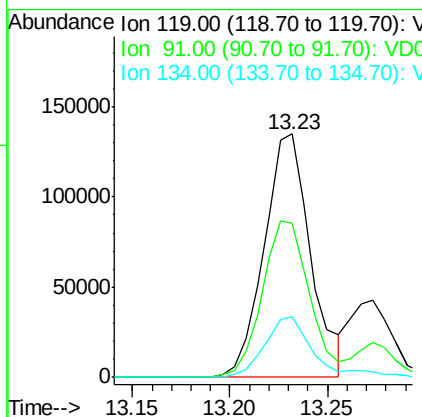
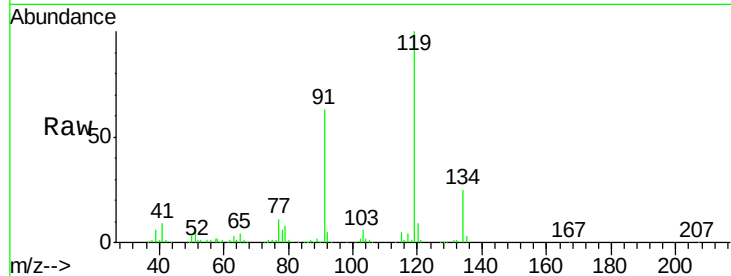
#83
tert-Butylbenzene
Concen: 23.104 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	222522		
91	65.0		33.1	99.2
134	26.4		13.3	39.9

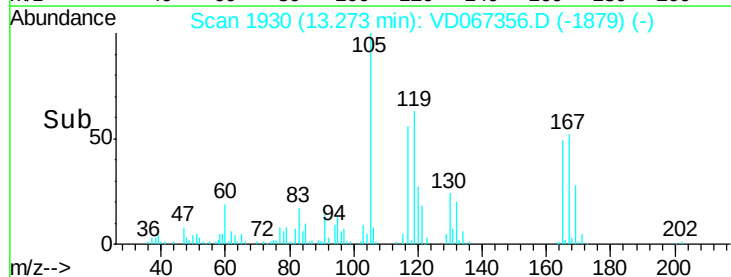
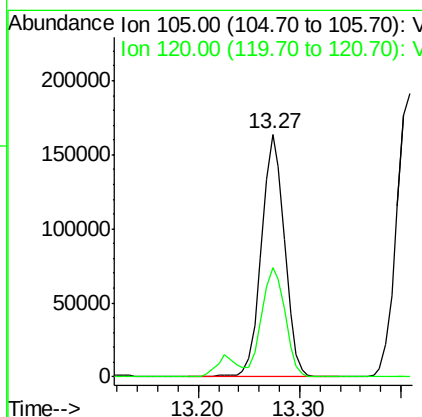
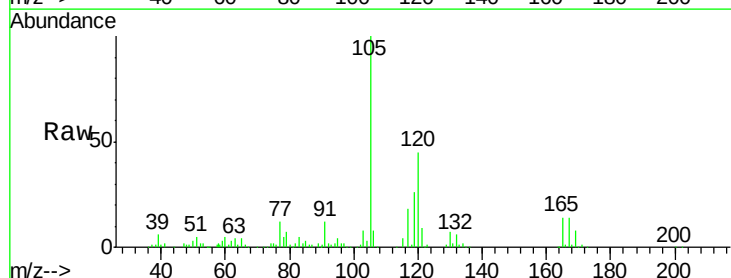
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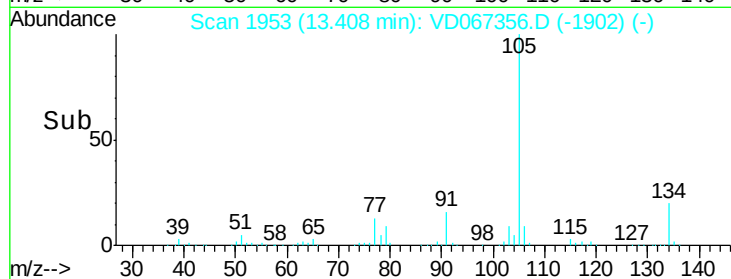
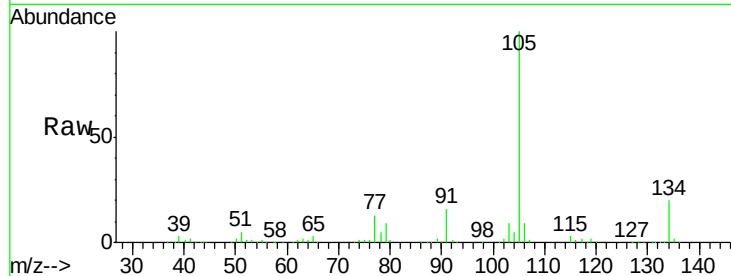
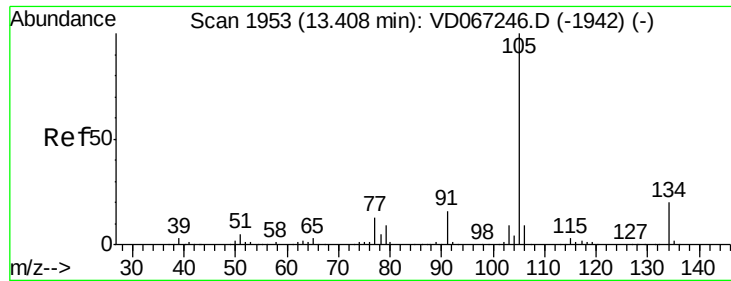
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#84
1,2,4-Trimethylbenzene
Concen: 23.023 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	259451		
120	45.9		22.4	67.3





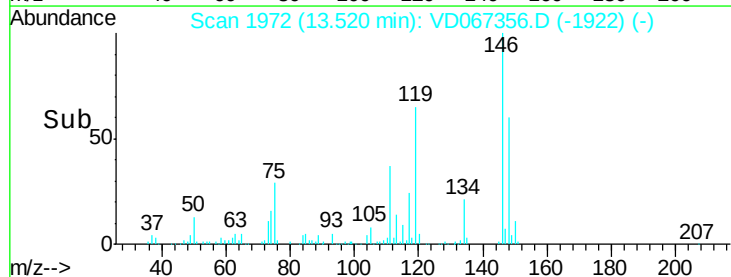
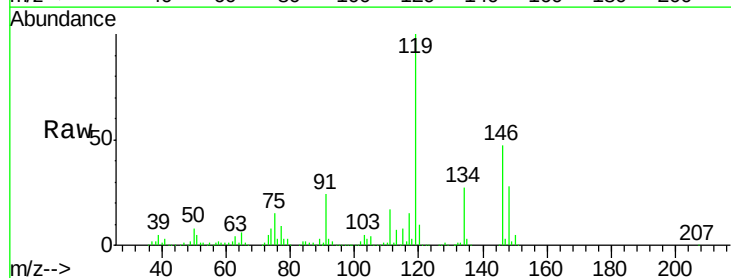
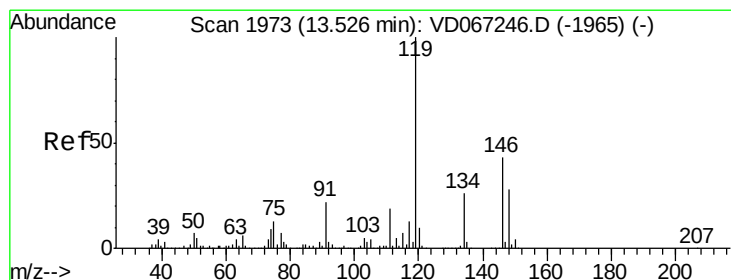
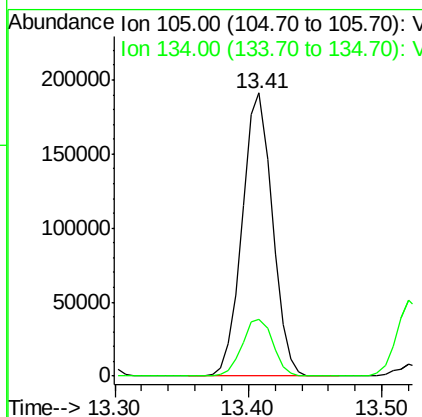
#85
 sec-Butylbenzene
 Concen: 22.578 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tot Ion	Ratio	Resp	Lower	Upper
105	100	298379		
134	20.7	10.5	31.5	

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

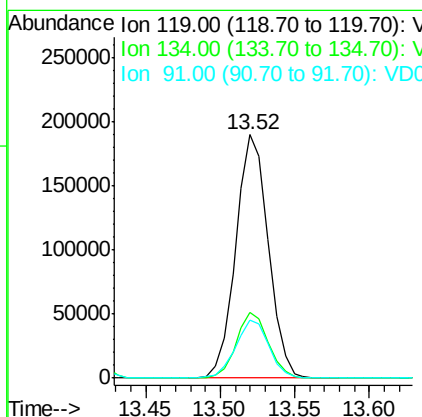
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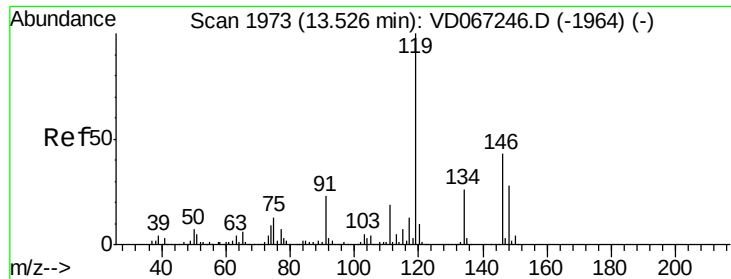
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#86
 p-Isopropyltoluene
 Concen: 23.059 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	287626		
134	26.5	13.1	39.3	
91	24.2	11.9	35.9	





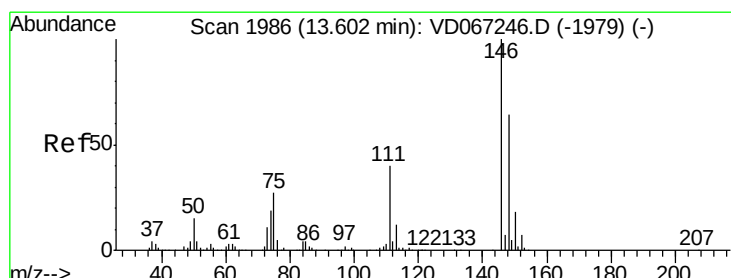
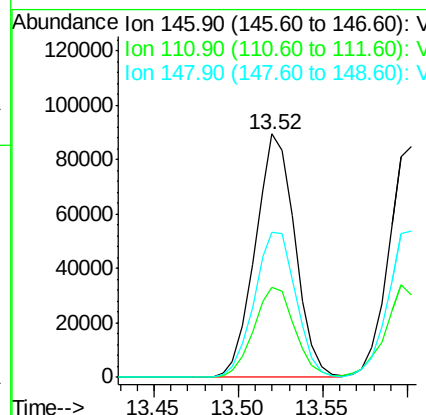
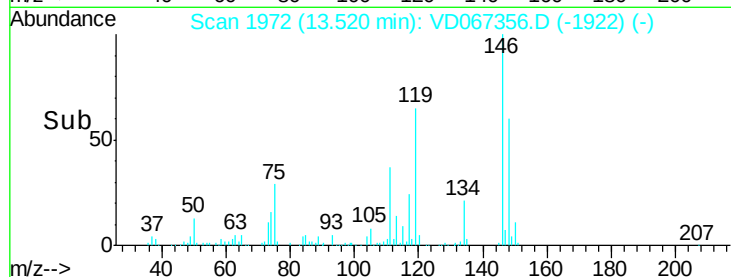
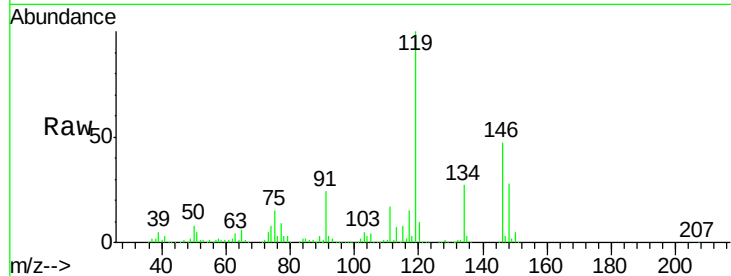
#87
 1,3-Dichlorobenzene
 Concen: 23.206 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	21.1	63.3
148	62.7	31.9	95.9

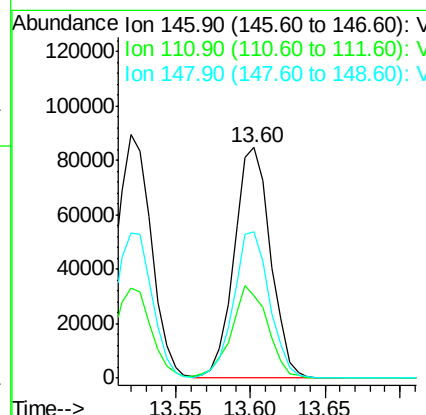
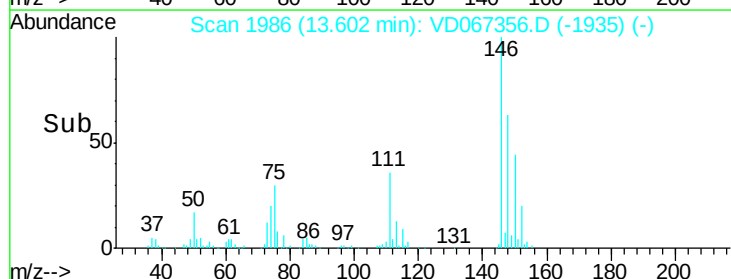
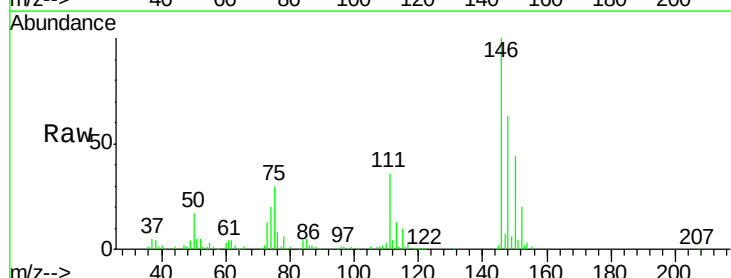
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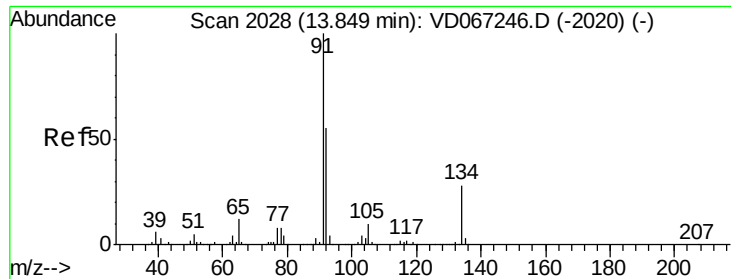
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#88
 1,4-Dichlorobenzene
 Concen: 23.033 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	62.9	31.9	95.9





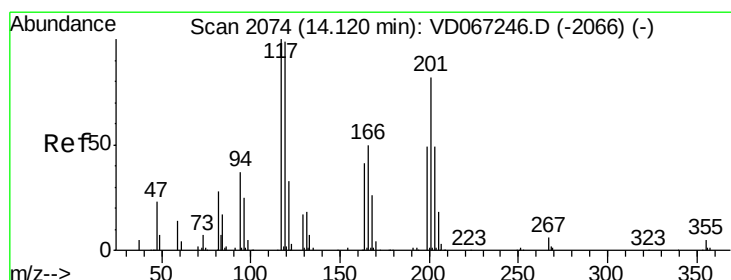
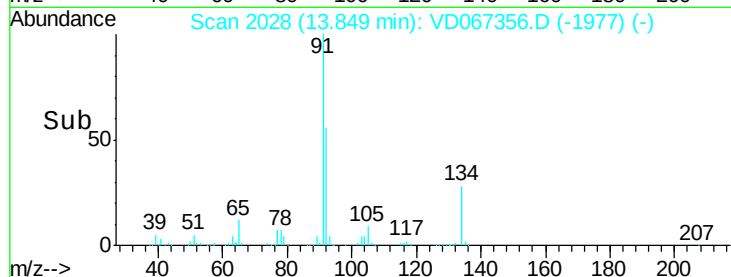
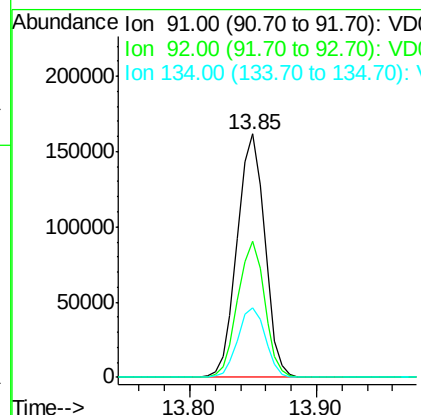
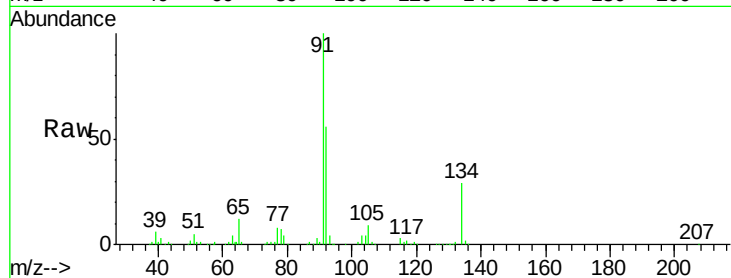
#89
n-Butylbenzene
Concen: 22.210 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	243723		
92	54.8	26.7	80.0	
134	28.6	14.2	42.6	

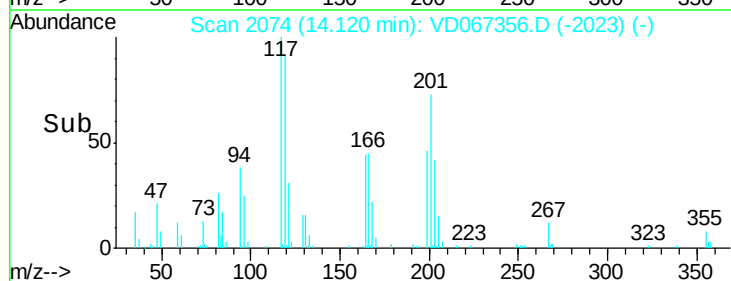
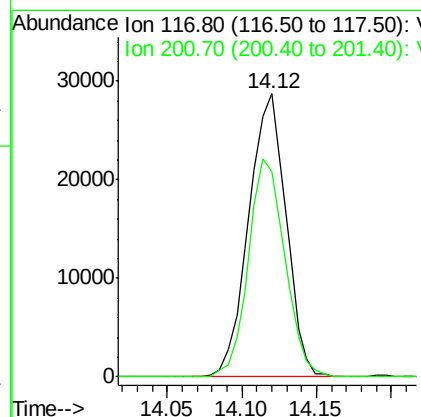
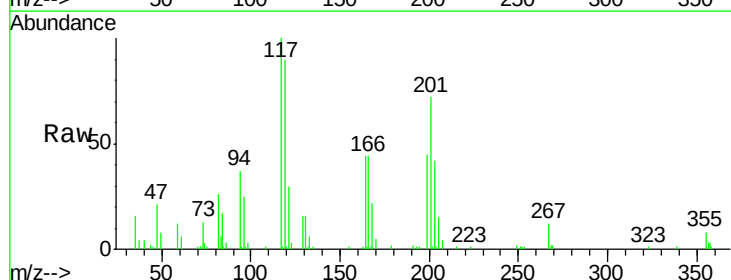
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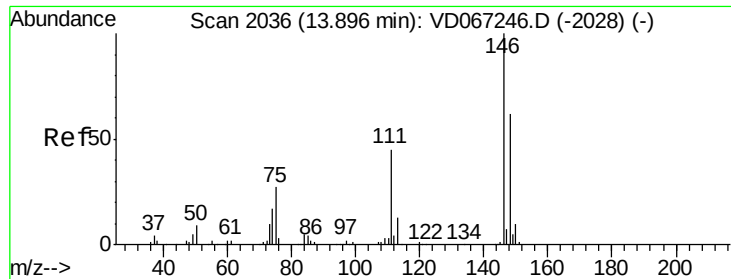
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#90
Hexachloroethane
Concen: 22.856 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	49752		
201	75.0	40.8	122.2	





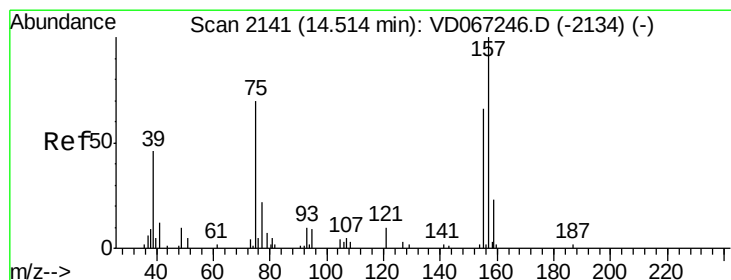
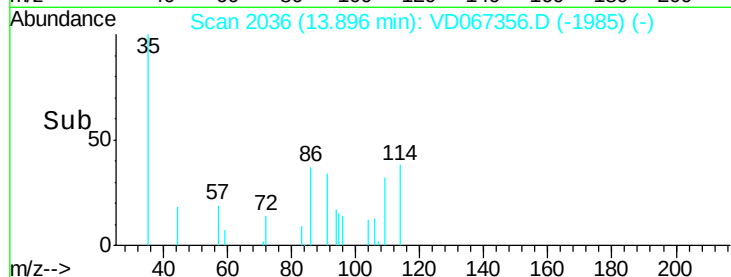
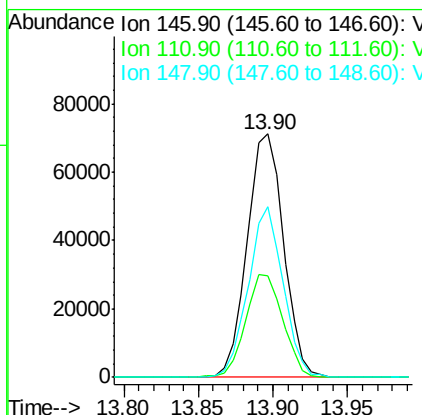
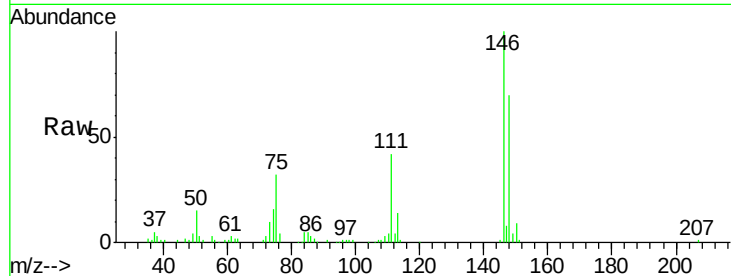
#91
 1,2-Dichlorobenzene
 Concen: 21.829 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	120065		
111	43.3		22.0	66.0
148	67.3		32.5	97.5

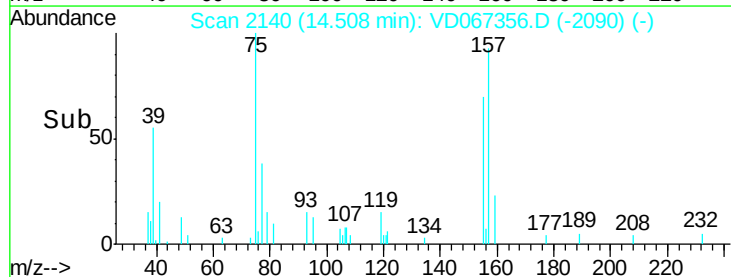
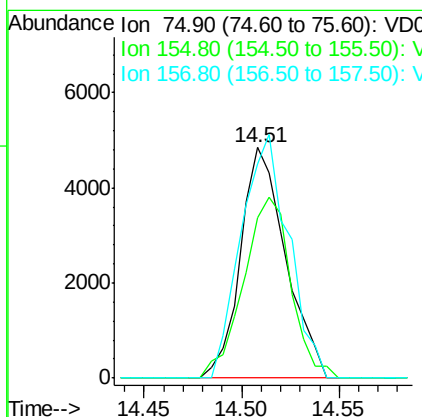
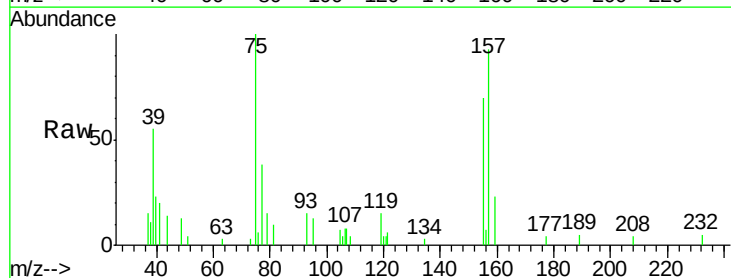
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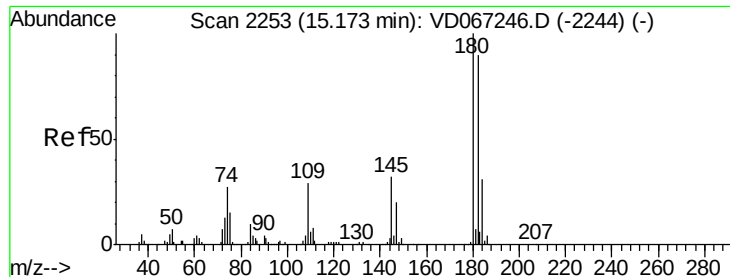
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.258 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067356.D
 Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7764		
155	82.1		44.8	134.4
157	110.9		62.5	187.4





#93

1,2,4-Trichlorobenzene

Concen: 22.437 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. -0.01 min

Lab File: VD067356.D

Acq: 22 Oct 2020 12:27

Instrument :

MSVOA_D

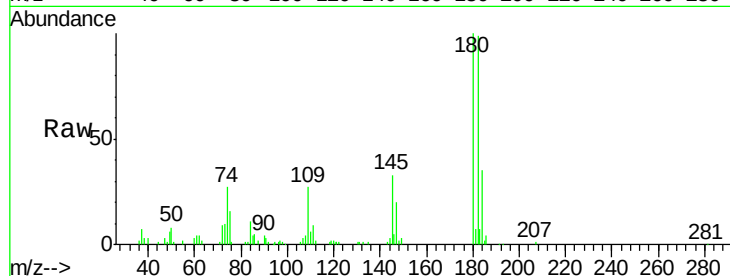
ClientSampleId :

VD1022SBS01

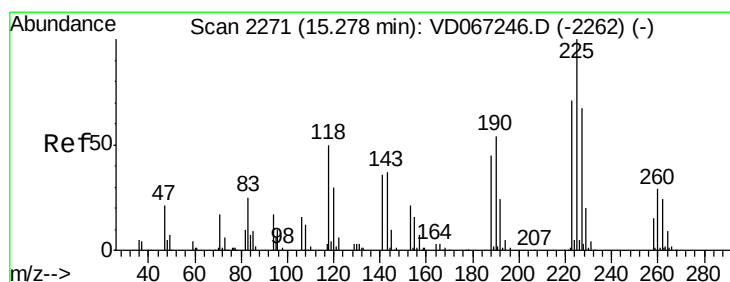
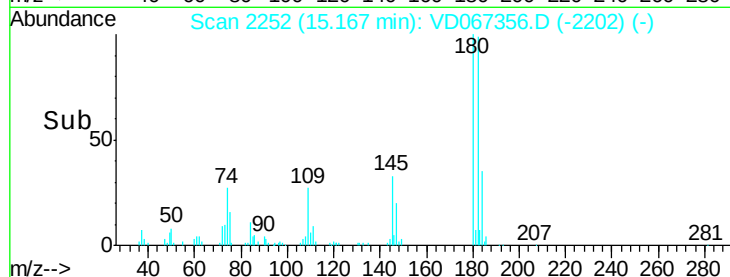
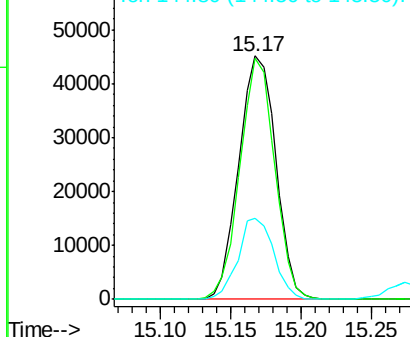
Tot Ion:	180	Resp:	83205
Ion Ratio	Lower	Upper	
180	100		
182	93.0	48.1	144.4
145	32.1	16.3	48.9

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 23.816 ug/l

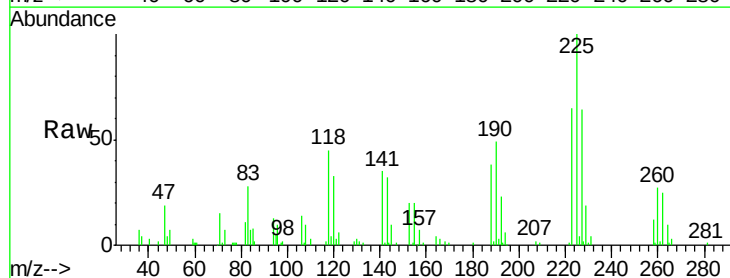
RT: 15.27 min Scan# 2270

Delta R.T. -0.01 min

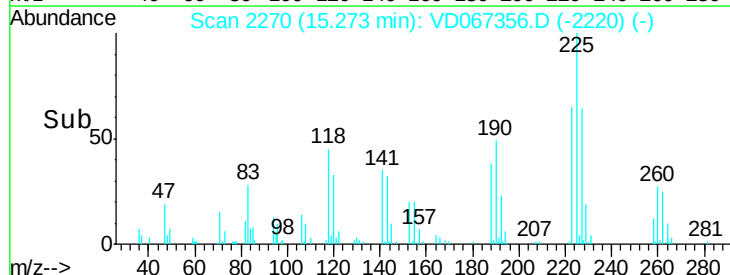
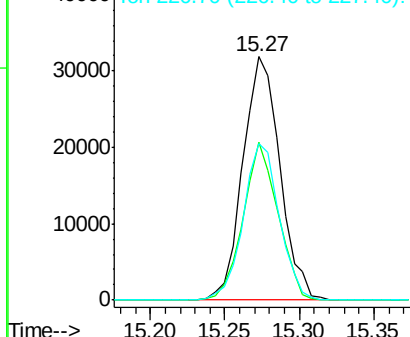
Lab File: VD067356.D

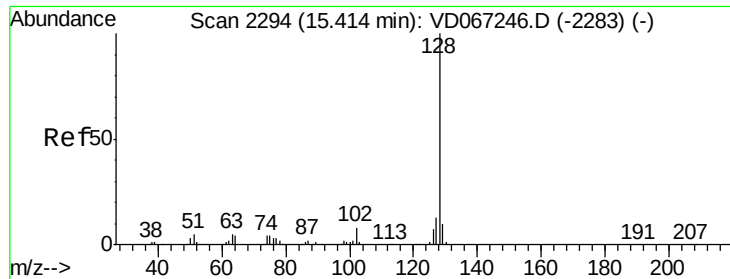
Acq: 22 Oct 2020 12:27

Tgt Ion:	225	Resp:	54846
Ion Ratio	Lower	Upper	
225	100		
223	60.5	31.9	95.7
227	62.3	31.2	93.6



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





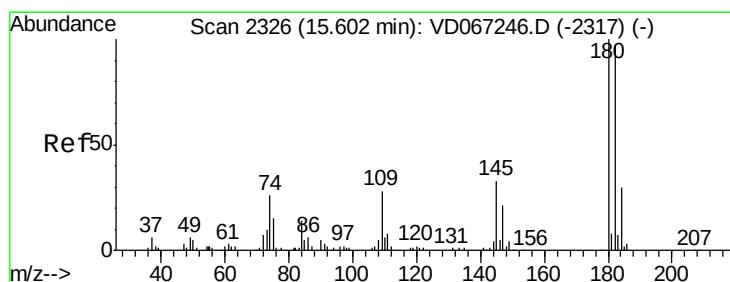
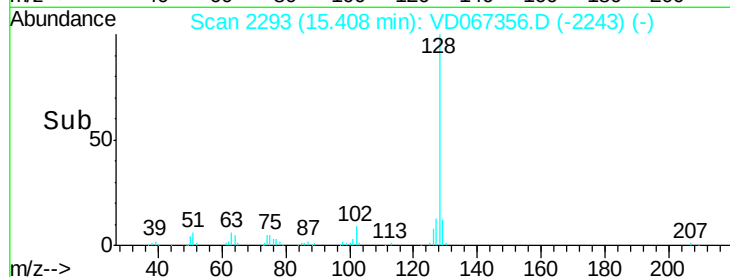
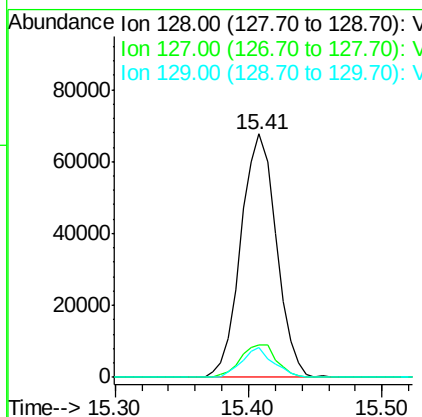
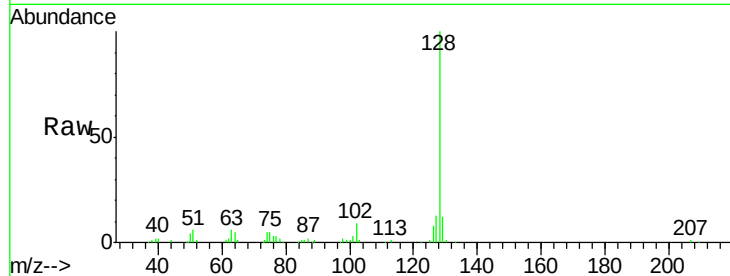
#95
Naphthalene
Concen: 20.407 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:11:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.303 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067356.D
Acq: 22 Oct 2020 12:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.3
145	33.9	17.3	51.9

