

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067738.D
 Acq On : 23 Nov 2020 11:23
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:56:27 PM

Quant Time: Nov 24 00:43:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:34:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	257865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	373305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	342166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	176173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	26164	10.32	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	20.64%#
35) Dibromofluoromethane	7.92	113	25020	10.47	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.94%#
50) Toluene-d8	10.34	98	91273	10.52	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	21.04%#
62) 4-Bromofluorobenzene	12.63	95	30690	10.30	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	20.60%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.98	85	23586	10.380	ug/l 99
3) Chloromethane	2.21	50	13175	10.202	ug/l 95
4) Vinyl Chloride	2.35	62	16854	10.456	ug/l 94
5) Bromomethane	2.77	94	14121	10.229	ug/l 88
6) Chloroethane	2.93	64	11095	10.427	ug/l 96
7) Trichlorofluoromethane	3.27	101	51426	10.540	ug/l 87
8) Diethyl Ether	3.71	74	10466	10.629	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	25354	10.907	ug/l 98
10) Methyl Iodide	4.30	142	21040	8.821	ug/l 98
11) Tert butyl alcohol	5.21	59	11743m	62.045	ug/l
12) 1,1-Dichloroethene	4.07	96	22380	10.468	ug/l 90
13) Acrolein	3.92	56	5129	49.032	ug/l 99
14) Allyl chloride	4.71	41	21566	10.498	ug/l 98
15) Acrylonitrile	5.43	53	18262	54.721	ug/l 96
16) Acetone	4.16	43	17797	53.014	ug/l 89
17) Carbon Disulfide	4.41	76	64919	10.361	ug/l 99
18) Methyl Acetate	4.72	43	6647	10.260	ug/l 97
19) Methyl tert-butyl Ether	5.48	73	45331	9.915	ug/l 94
20) Methylene Chloride	4.97	84	42112	12.654	ug/l 97
21) trans-1,2-Dichloroethene	5.47	96	25555	10.679	ug/l 92
22) Diisopropyl ether	6.37	45	42633	10.545	ug/l # 93
23) Vinyl Acetate	6.31	43	114583	49.911	ug/l 99
24) 1,1-Dichloroethane	6.26	63	36405	10.405	ug/l # 91
25) 2-Butanone	7.21	43	19696	54.951	ug/l 93
26) 2,2-Dichloropropane	7.21	77	44632	10.895	ug/l 94
27) cis-1,2-Dichloroethene	7.21	96	27542	10.664	ug/l 98
28) Bromochloromethane	7.55	49	10944	9.796	ug/l # 96
29) Tetrahydrofuran	7.57	42	11465	54.570	ug/l 98
30) Chloroform	7.71	83	49531	10.915	ug/l 98
31) Cyclohexane	7.98	56	32180	10.637	ug/l # 88
32) 1,1,1-Trichloroethane	7.91	97	50591	10.464	ug/l 97
36) 1,1-Dichloropropene	8.11	75	34960	10.818	ug/l 98
37) Ethyl Acetate	7.30	43	9739	11.472	ug/l # 90
38) Carbon Tetrachloride	8.10	117	49782	10.498	ug/l # 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	38927	10.143	ug/l	94
40) Benzene	8.36	78	96174	10.791	ug/l	98
41) Methacrylonitrile	7.53	41	4221	10.706	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	31667	10.576	ug/l	97
43) Isopropyl Acetate	8.46	43	18280	10.642	ug/l	97
44) Trichloroethene	9.11	130	31819	10.708	ug/l	97
45) 1,2-Dichloropropane	9.39	63	19691	10.866	ug/l #	83
46) Dibromomethane	9.48	93	13478	11.074	ug/l	98
47) Bromodichloromethane	9.67	83	36824	10.705	ug/l #	96
48) Methyl methacrylate	9.46	41	9334	10.969	ug/l	98
49) 1,4-Dioxane	9.47	88	2489	188.556	ug/l #	73
51) 4-Methyl-2-Pentanone	10.23	43	43798	54.645	ug/l	94
52) Toluene	10.41	92	63703	10.596	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	32466	10.836	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	35696	10.524	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	18229	11.033	ug/l	92
56) Ethyl methacrylate	10.67	69	17459	10.224	ug/l	96
57) 1,3-Dichloropropane	10.95	76	28577	11.042	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	36451	45.708	ug/l	99
59) 2-Hexanone	10.98	43	31233	54.603	ug/l	100
60) Dibromochloromethane	11.15	129	27251	10.820	ug/l	99
61) 1,2-Dibromoethane	11.24	107	17277	10.575	ug/l	92
64) Tetrachloroethene	10.88	164	30928	11.496	ug/l #	83
65) Chlorobenzene	11.67	112	72617	10.715	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	29698	10.938	ug/l	99
67) Ethyl Benzene	11.75	91	122241	10.508	ug/l	100
68) m/p-Xylenes	11.86	106	96888	21.300	ug/l	100
69) o-Xylene	12.18	106	43673	10.559	ug/l	96
70) Styrene	12.20	104	76828	10.753	ug/l	96
71) Bromoform	12.37	173	16594	11.226	ug/l #	97
73) Isopropylbenzene	12.48	105	120912	10.231	ug/l	99
74) N-amyl acetate	12.29	43	15788	10.312	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	17610	11.181	ug/l	92
76) 1,2,3-Trichloropropane	12.78	75	12357m	9.000	ug/l	
77) Bromobenzene	12.76	156	30877	10.493	ug/l	98
78) n-propylbenzene	12.83	91	135253	10.319	ug/l	100
79) 2-Chlorotoluene	12.91	91	79826	10.352	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	107815	10.393	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	5875	11.174	ug/l #	94
82) 4-Chlorotoluene	13.01	91	88532	10.758	ug/l	98
83) tert-Butylbenzene	13.23	119	91566	10.474	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	105852	10.371	ug/l	97
85) sec-Butylbenzene	13.40	105	121158	10.495	ug/l	99
86) p-Isopropyltoluene	13.52	119	117515	10.526	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	62667	10.928	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	59804	10.465	ug/l	94
89) n-Butylbenzene	13.85	91	99403	10.401	ug/l	100
90) Hexachloroethane	14.11	117	22516	10.583	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	53396	10.827	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	3893	11.614	ug/l	96

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ClientSampleId :
VSTDICC010

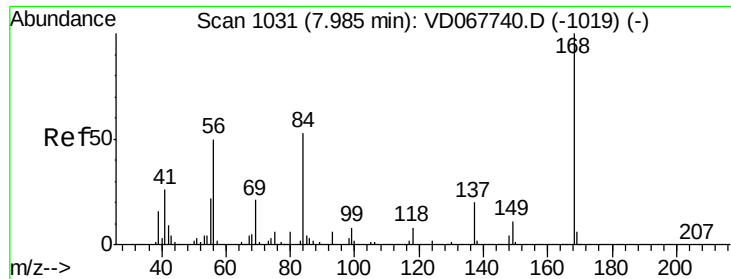
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	34419	9.855	ug/l	95
94) Hexachlorobutadiene	15.27	225	24223	10.812	ug/l	95
95) Naphthalene	15.40	128	55534	9.813	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	29859	10.069	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 257865

Ion Ratio Lower Upper

168 100

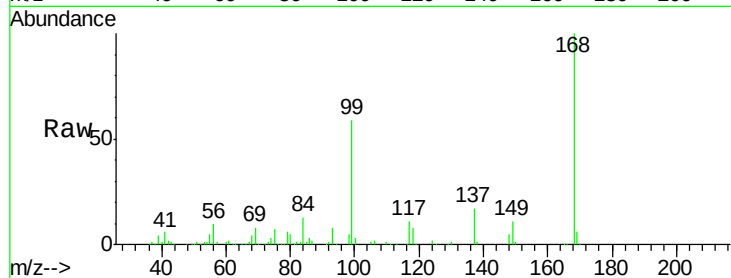
99 58.0 43.8 65.8

Manual Integrations

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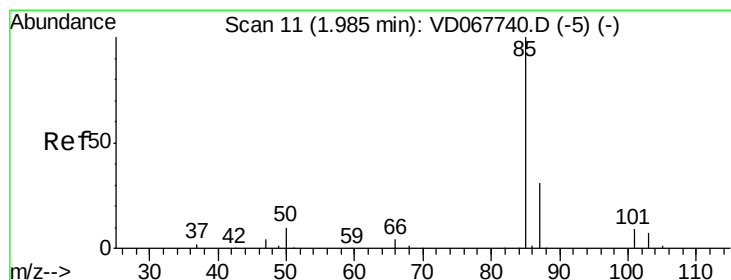
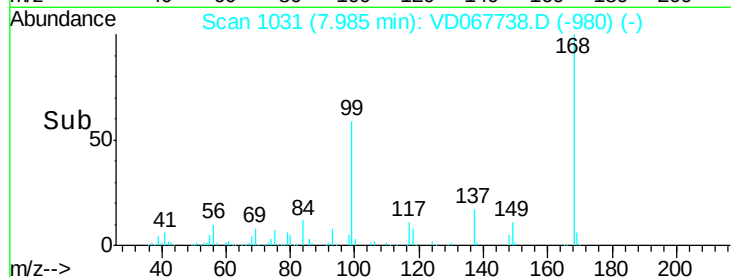
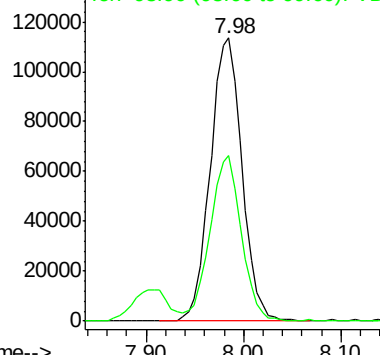
MMDadoda

11/24/2020 2:56:27 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 10.380 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD067738.D

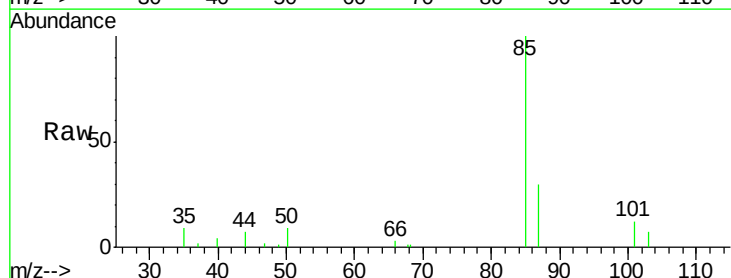
Acq: 23 Nov 2020 11:23

Tgt Ion: 85 Resp: 23586

Ion Ratio Lower Upper

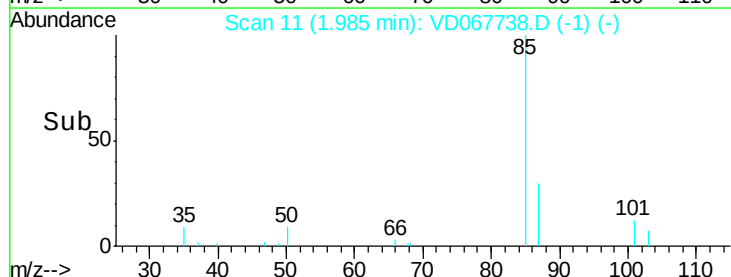
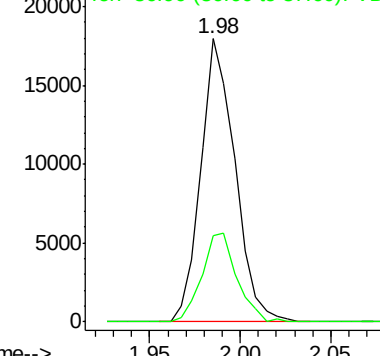
85 100

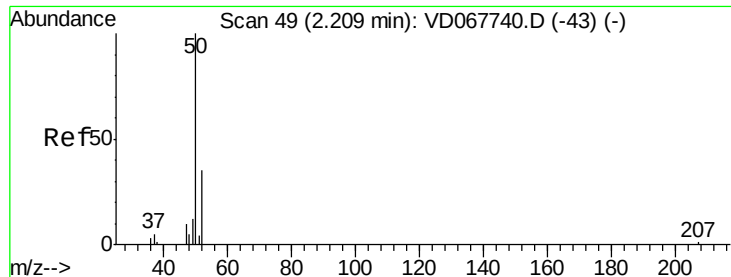
87 30.5 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 10.202 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 13175

Ion Ratio Lower Upper

50 100

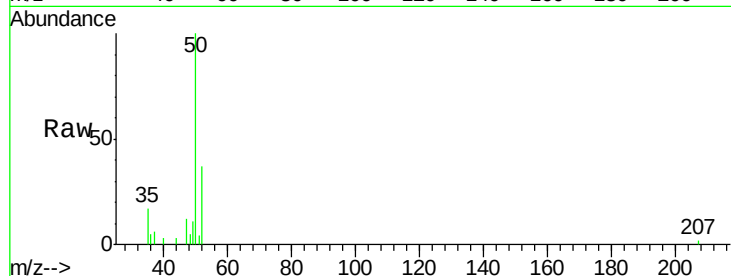
52 37.5 27.8 41.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

10000

8000

6000

4000

2000

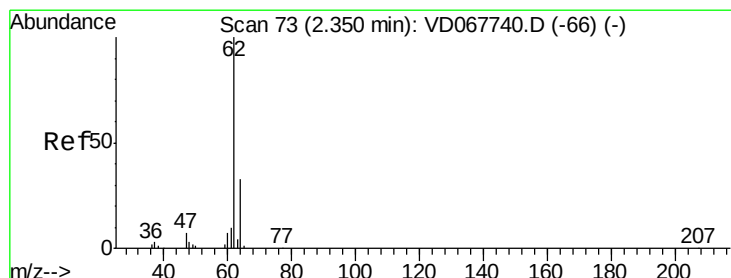
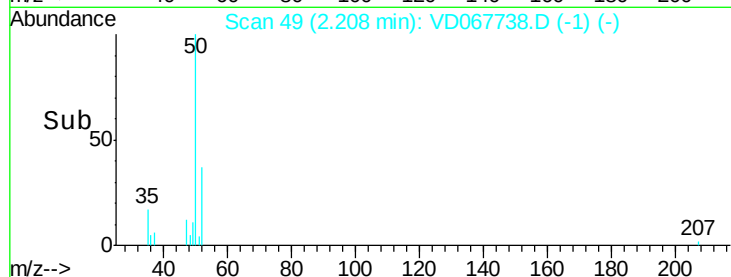
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Time-->

2.15

2.20

2.25



#4

Vinyl Chloride

Concen: 10.456 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067738.D

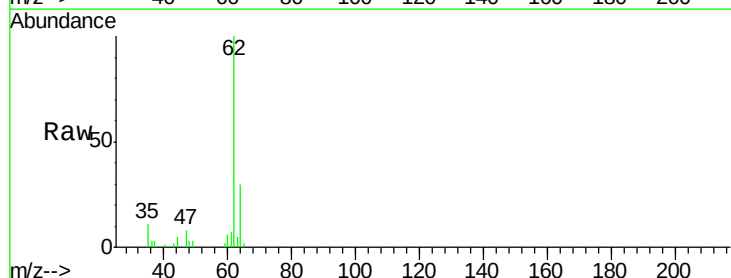
Acq: 23 Nov 2020 11:23

Tgt Ion: 62 Resp: 16854

Ion Ratio Lower Upper

62 100

64 30.2 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

12000

10000

8000

6000

4000

2000

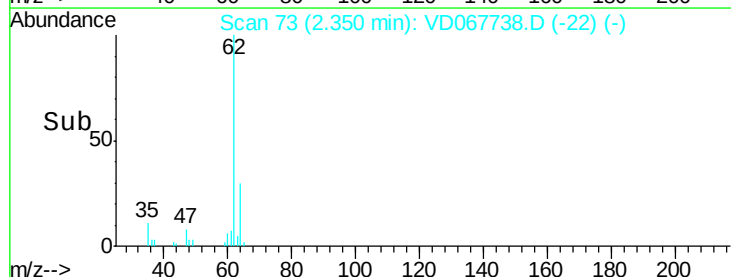
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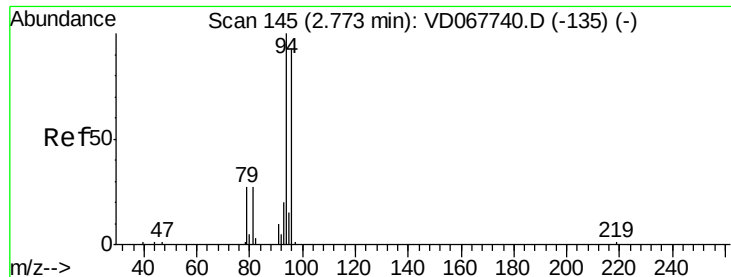
Time-->

2.30

2.35

2.40





#5

Bromomethane

Concen: 10.229 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 14121

Ion Ratio Lower Upper

94 100

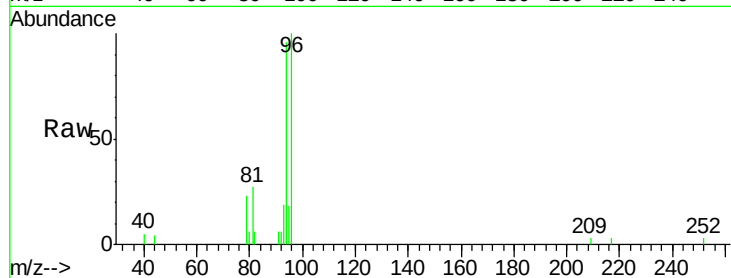
96 104.1 74.0 111.0

Manual Integrations

APPROVED

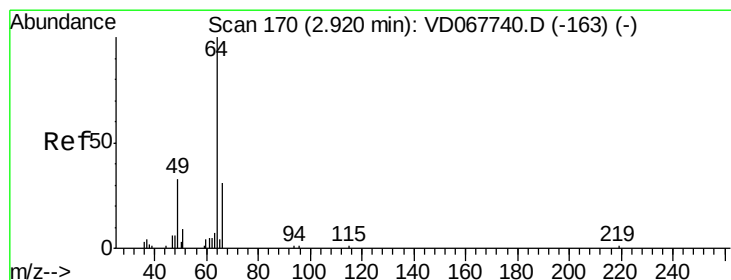
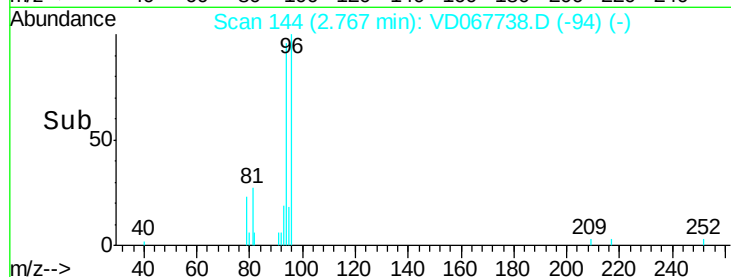
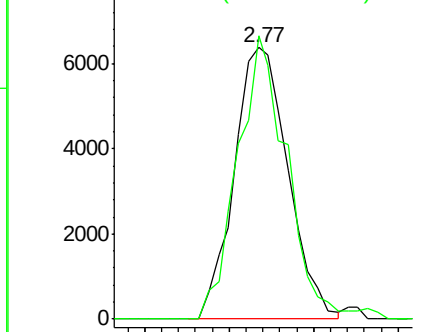
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 10.427 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067738.D

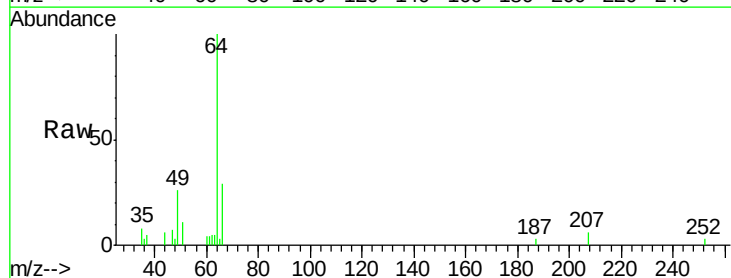
Acq: 23 Nov 2020 11:23

Tgt Ion: 64 Resp: 11095

Ion Ratio Lower Upper

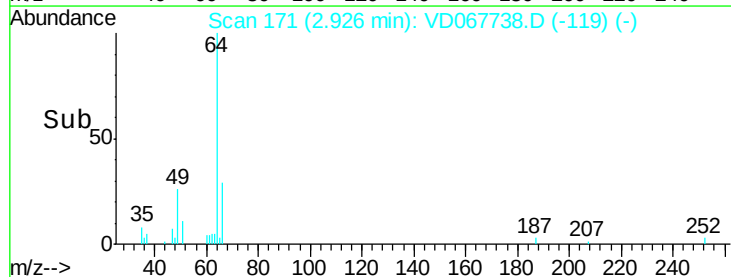
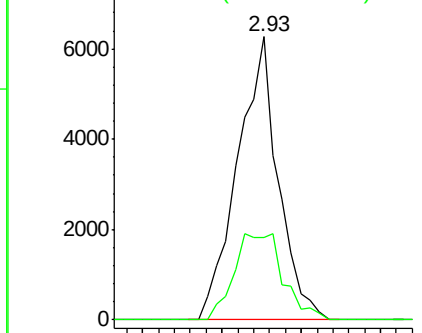
64 100

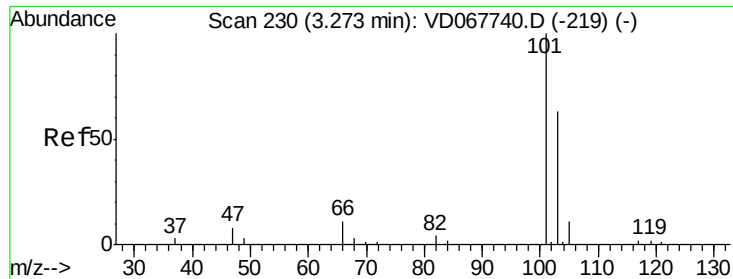
66 29.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

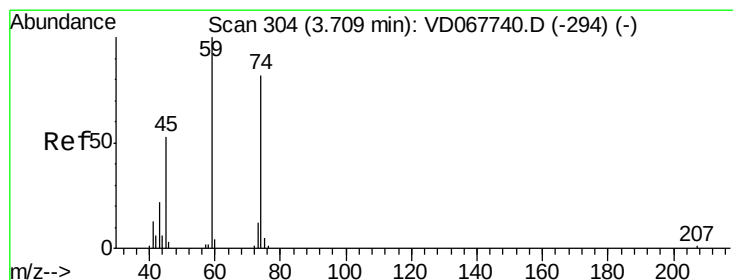
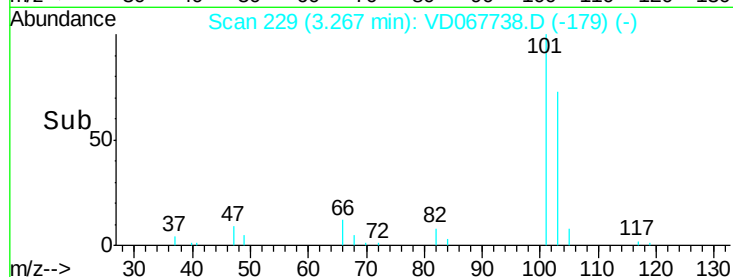
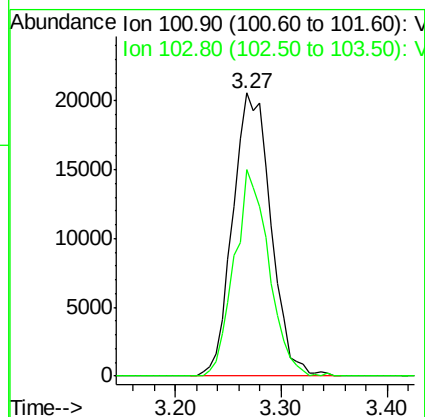
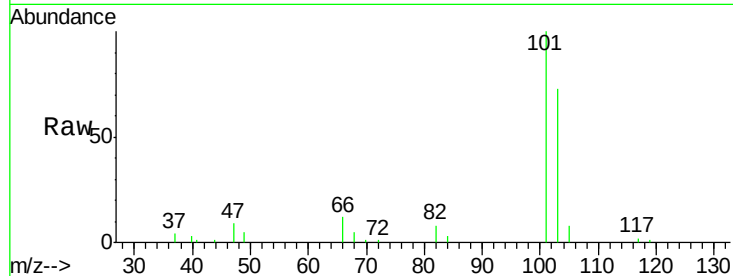
Trichlorofluoromethane
Concen: 10.540 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

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VSTDIC010

Tot Ion:101 Resp: 51426
Ion Ratio Lower Upper
101 100
103 72.9 50.3 75.5

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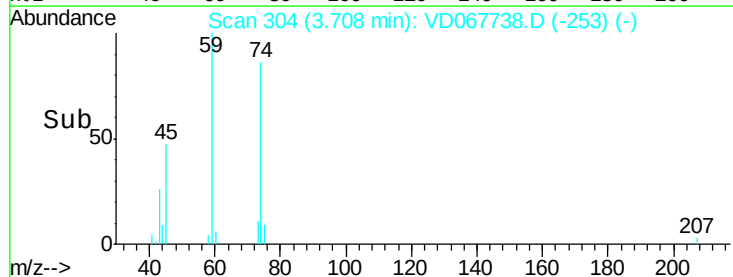
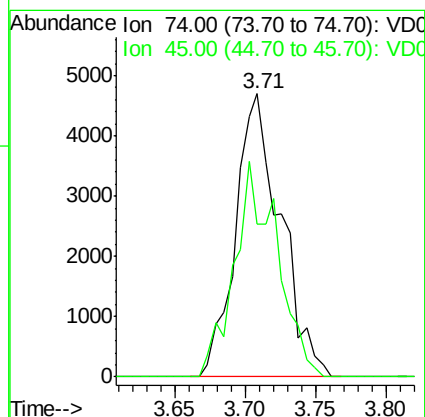
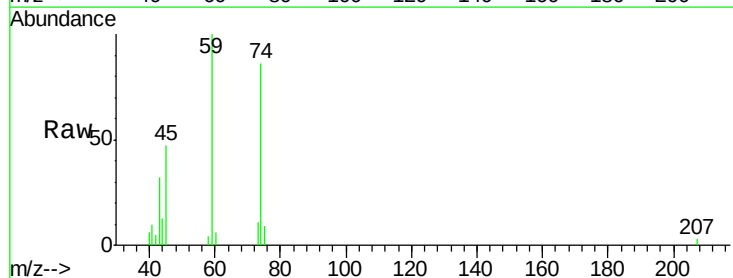
MMDadoda
11/24/2020 2:56:27 PM

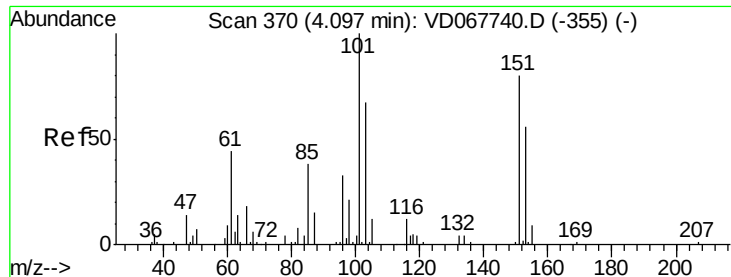


#8

Diethyl Ether
Concen: 10.629 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tgt Ion: 74 Resp: 10466
Ion Ratio Lower Upper
74 100
45 72.3 35.9 107.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.907 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

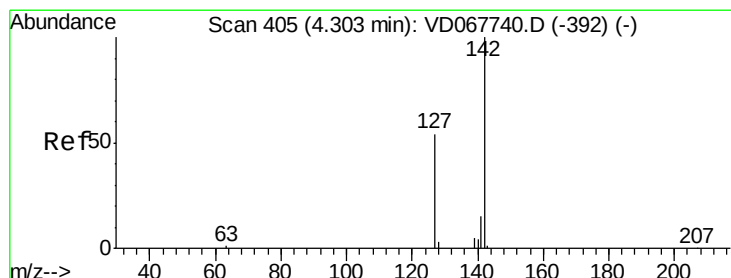
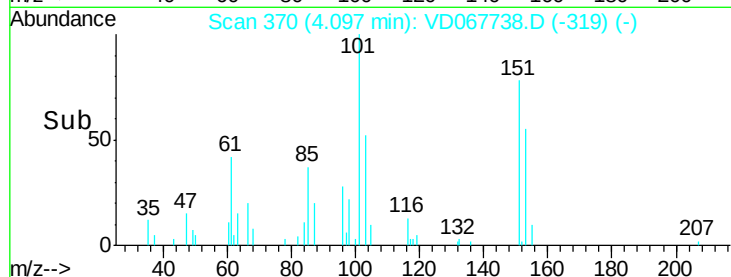
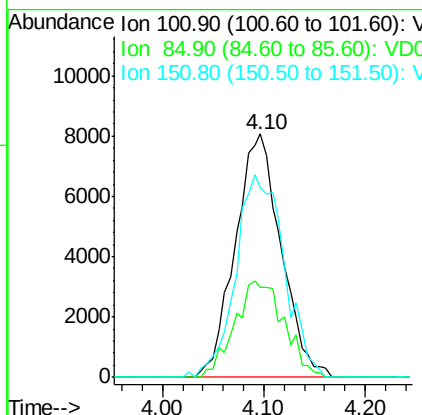
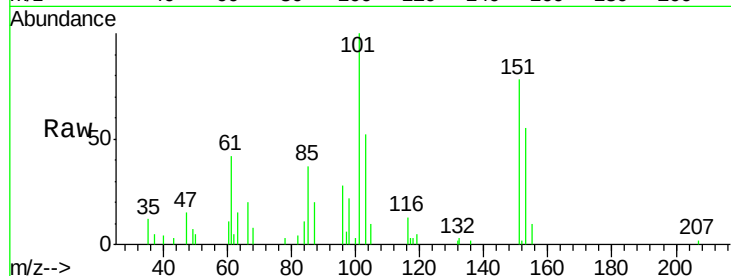
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	25354
Ion Ratio	Lower	Upper	
101	100		
85	42.4	35.5	53.3
151	88.3	69.4	104.0

Manual Integrations
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#10

Methyl Iodide

Concen: 8.821 ug/l

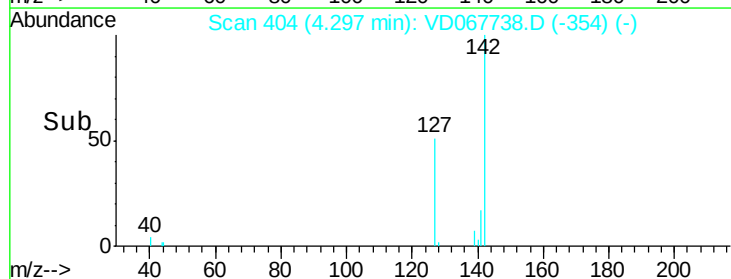
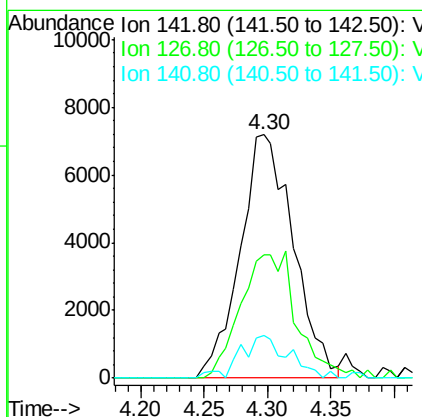
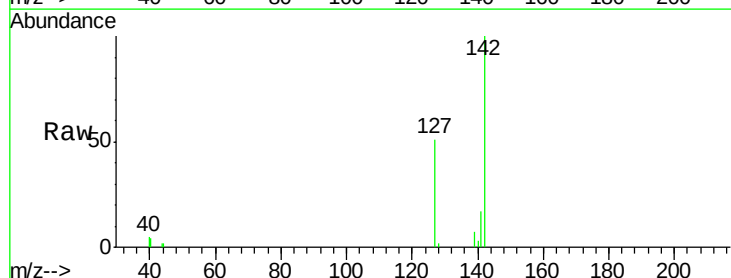
RT: 4.30 min Scan# 404

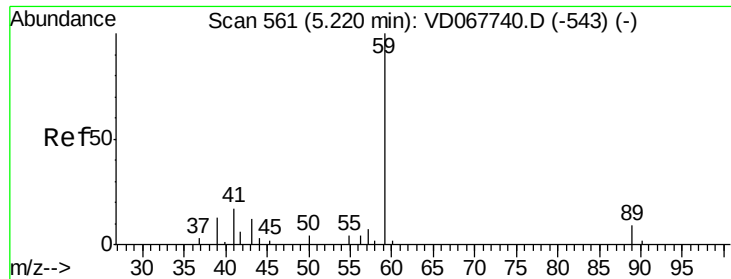
Delta R.T. -0.01 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Tgt Ion:	142	Resp:	21040
Ion Ratio	Lower	Upper	
142	100		
127	54.1	42.2	63.2
141	15.8	11.8	17.6





#11

Tert butyl alcohol

Concen: 62.045 ug/l m

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 59 Resp: 11743

Ion Ratio Lower Upper

59 100

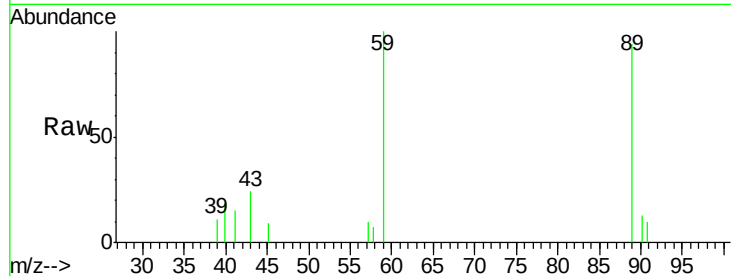
57 0.0 3.4 5.0#

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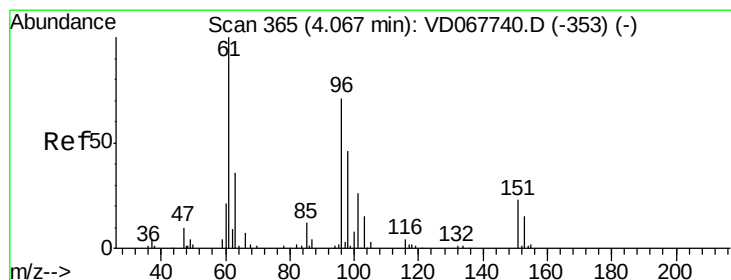
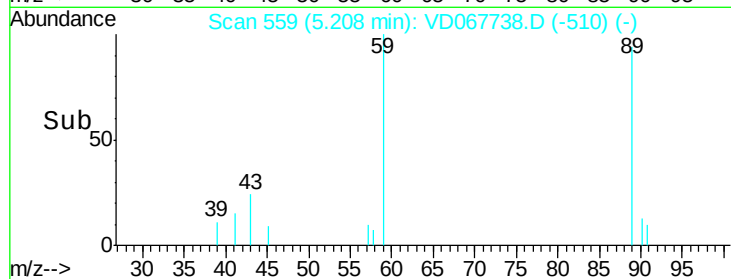
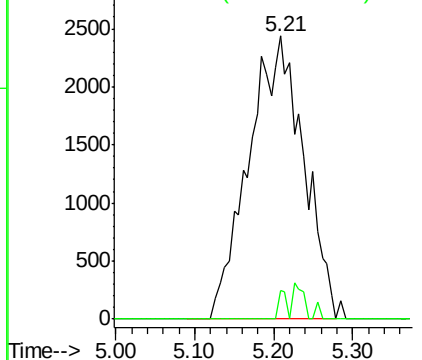
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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 10.468 ug/l

RT: 4.07 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

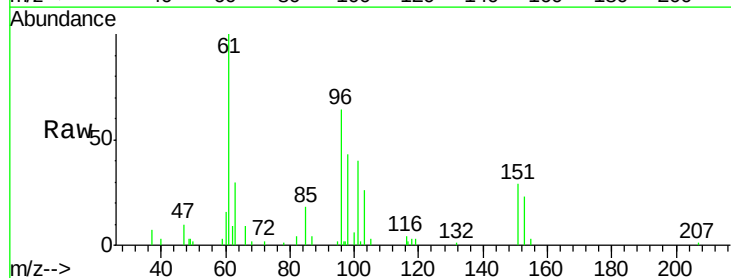
Tgt Ion: 96 Resp: 22380

Ion Ratio Lower Upper

96 100

61 156.8 112.9 169.3

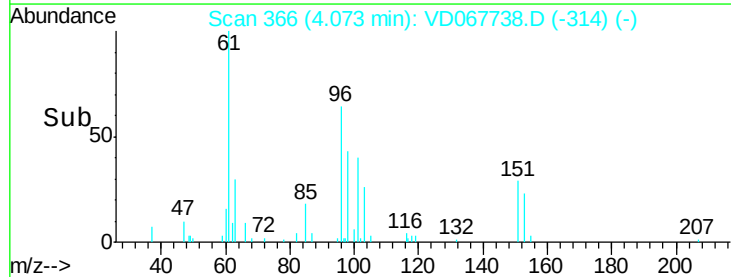
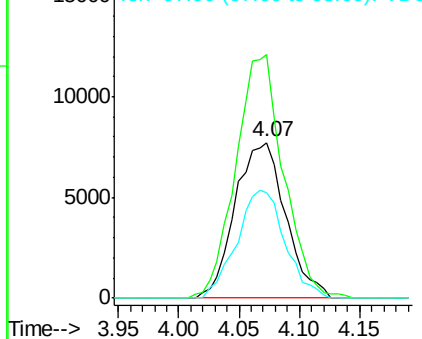
98 67.8 52.4 78.6

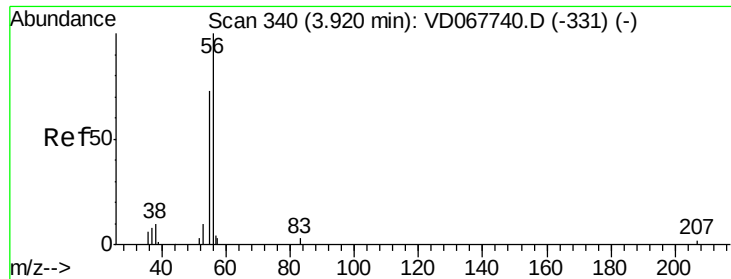


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 49.032 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 5129

Ion Ratio Lower Upper

56 100

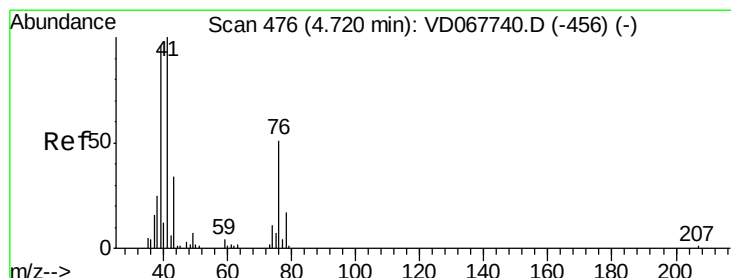
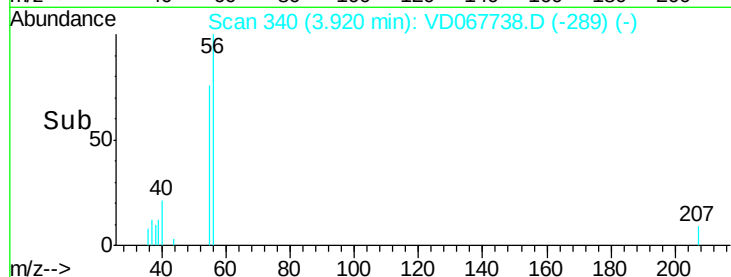
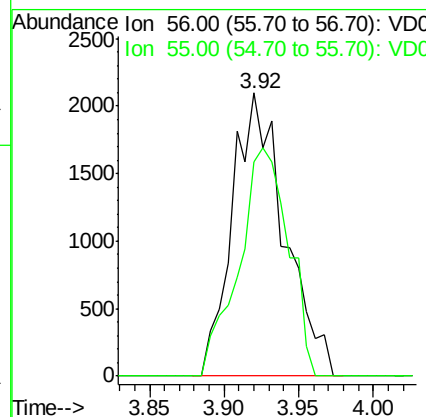
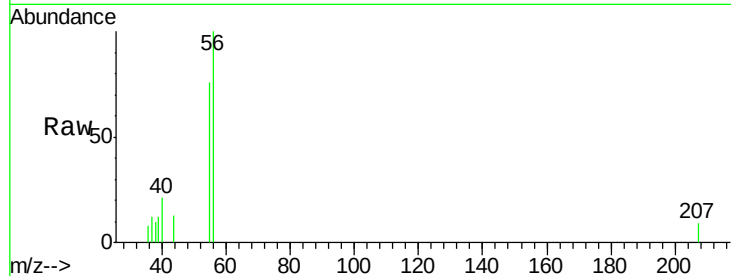
55 76.1 61.2 91.8

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#14

Allyl chloride

Concen: 10.498 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

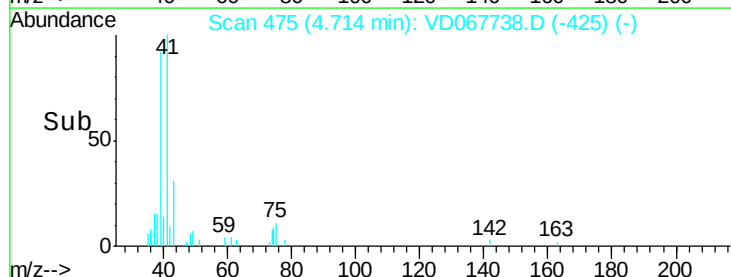
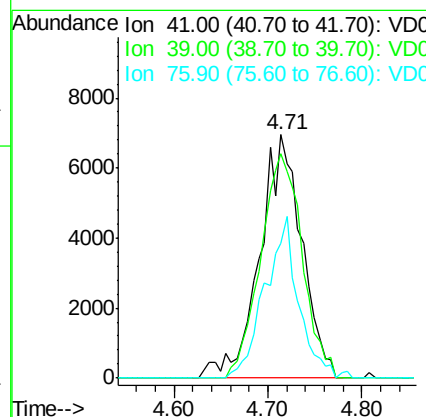
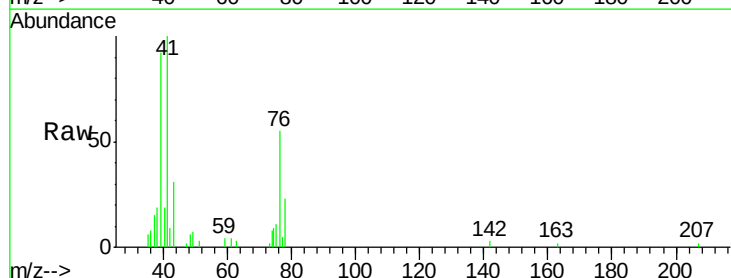
Tgt Ion: 41 Resp: 21566

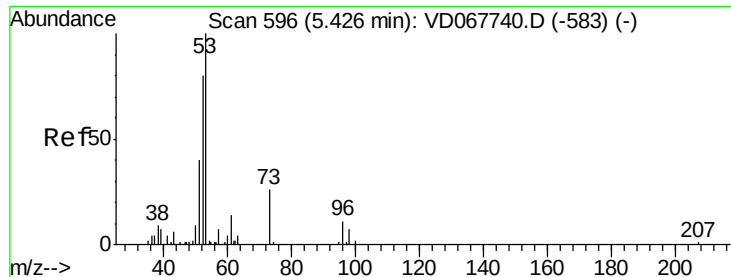
Ion Ratio Lower Upper

41 100

39 91.2 74.6 111.8

76 53.0 43.3 64.9





#15

Acrylonitrile

Concen: 54.721 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

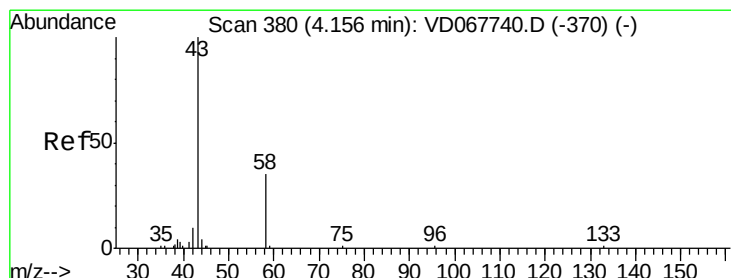
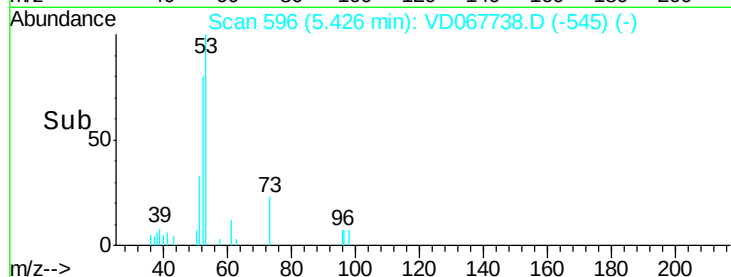
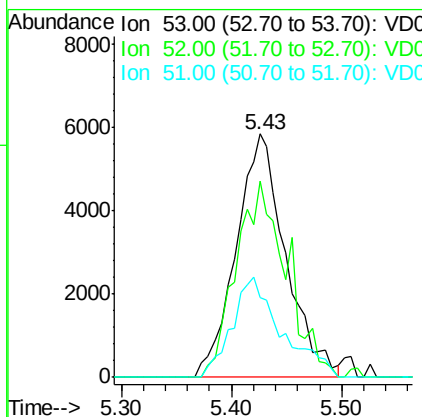
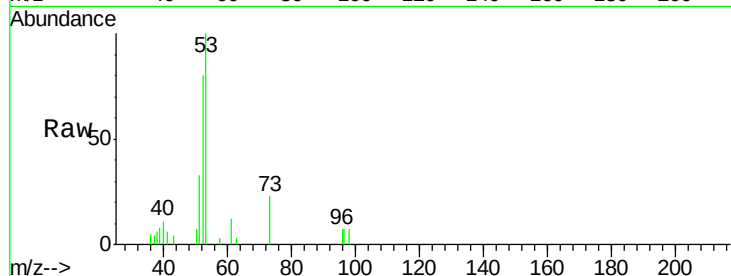
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	18262
Ion	Ratio	Lower	Upper
53	100		
52	82.7	63.4	95.2
51	41.4	31.4	47.2

Manual Integrations
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#16

Acetone

Concen: 53.014 ug/l

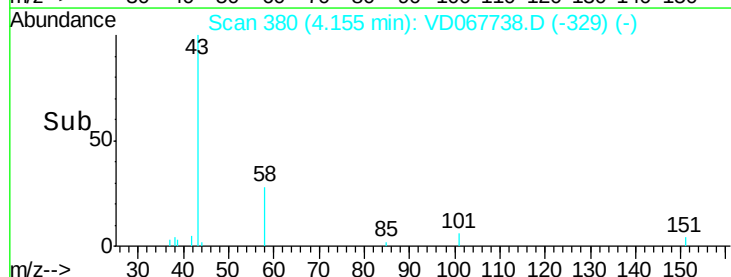
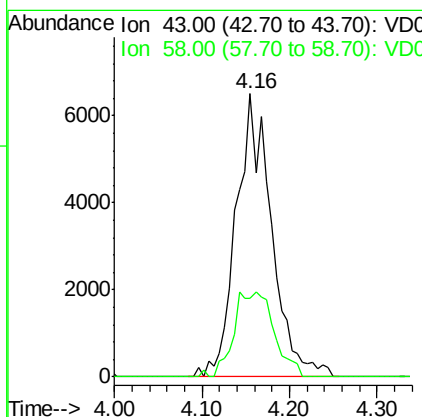
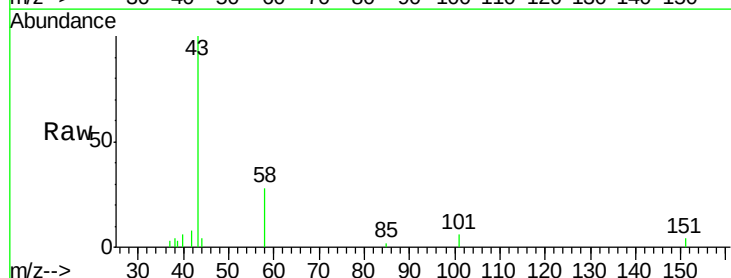
RT: 4.16 min Scan# 380

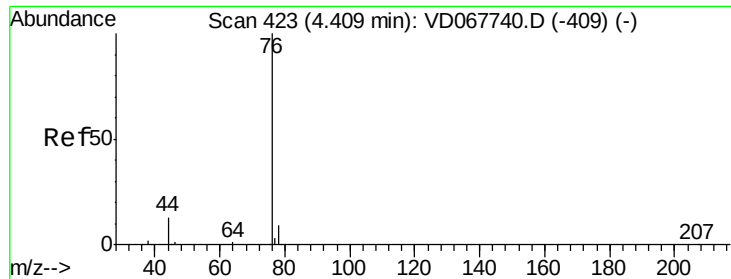
Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Tgt Ion:	43	Resp:	17797
Ion	Ratio	Lower	Upper
43	100		
58	27.9	27.6	41.4





#17

Carbon Disulfide

Concen: 10.361 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 64919

Ion Ratio Lower Upper

76 100

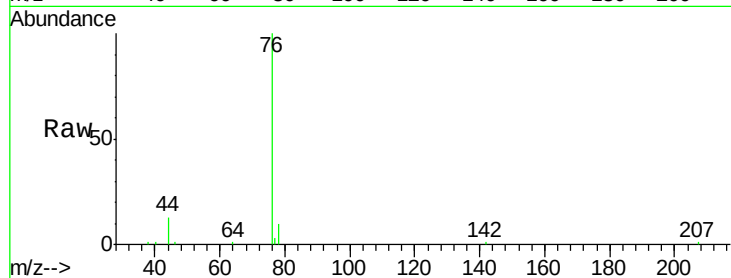
78 9.7 7.5 11.3

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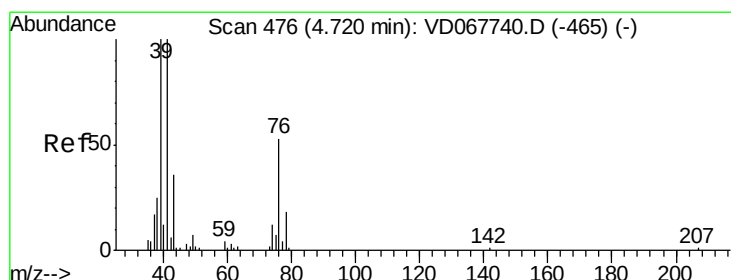
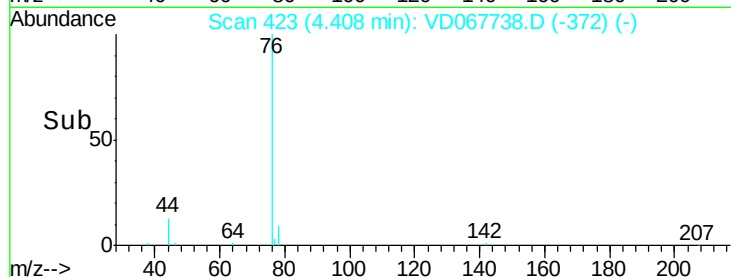
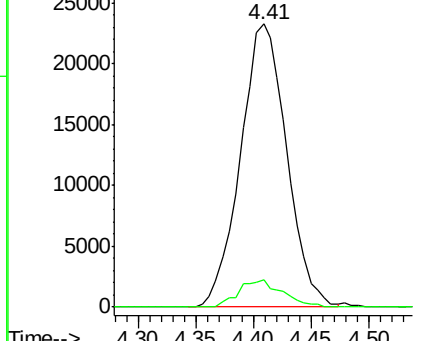
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 10.260 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD067738.D

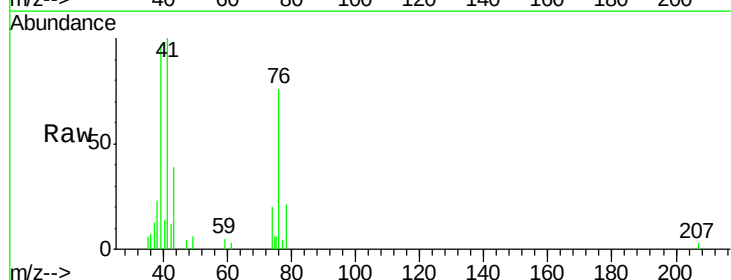
Acq: 23 Nov 2020 11:23

Tgt Ion: 43 Resp: 6647

Ion Ratio Lower Upper

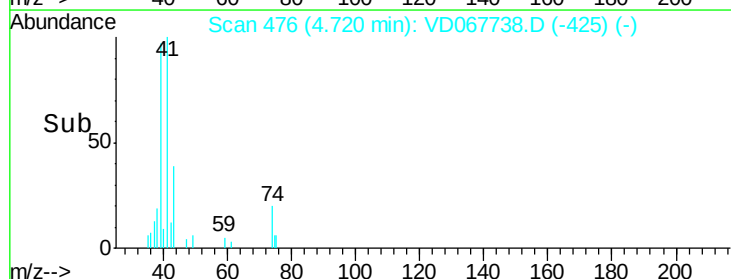
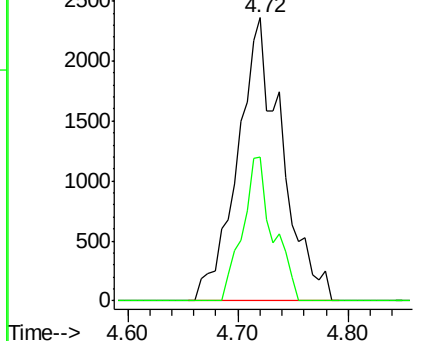
43 100

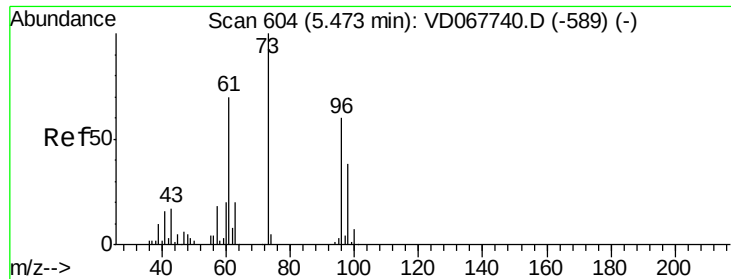
74 35.1 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





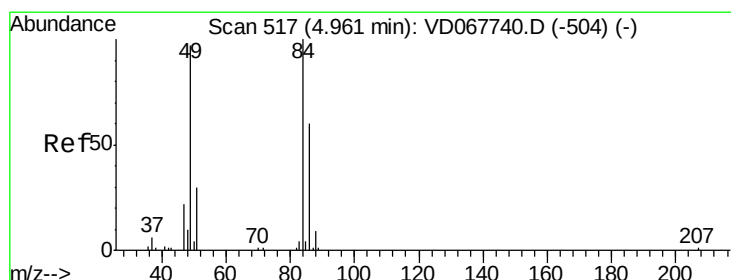
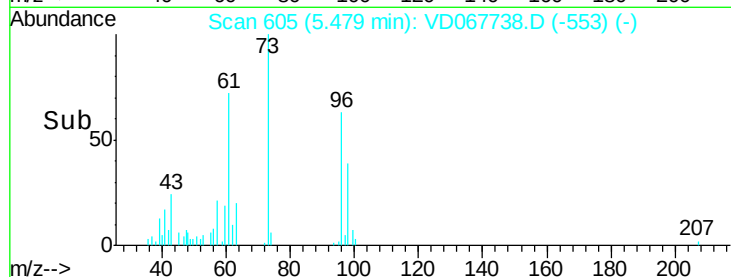
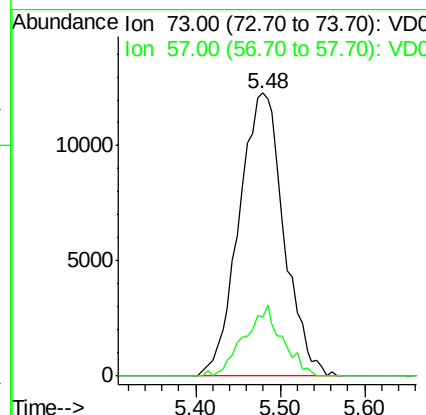
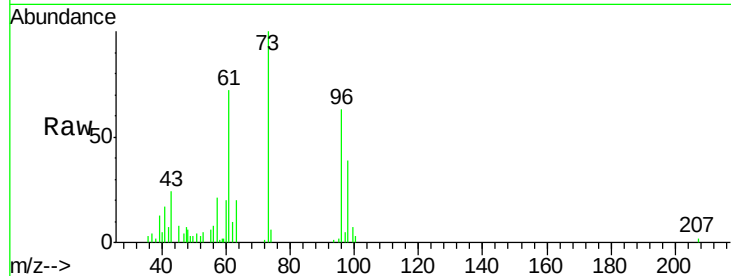
#19
Methyl tert-butyl Ether
Concen: 9.915 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 45331
Ion Ratio Lower Upper
73 100
57 21.0 14.8 22.2

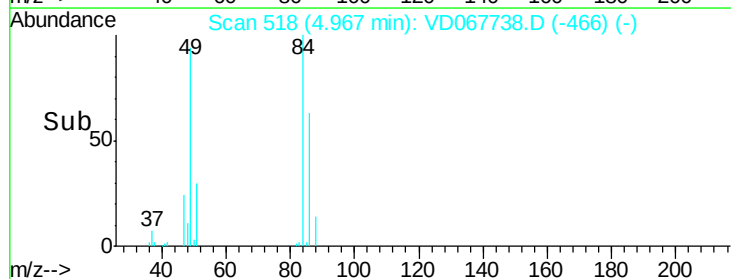
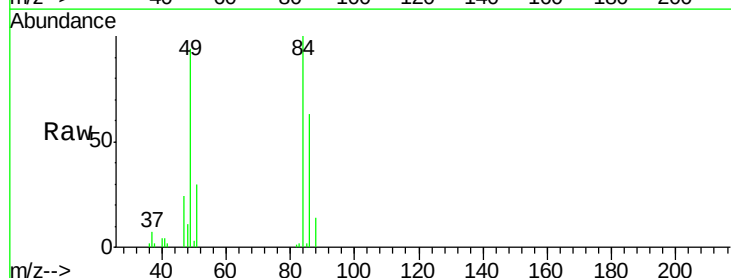
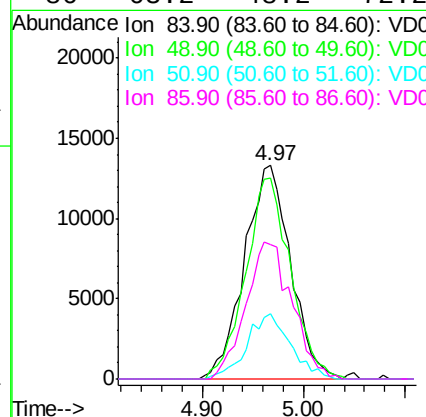
Manual Integrations
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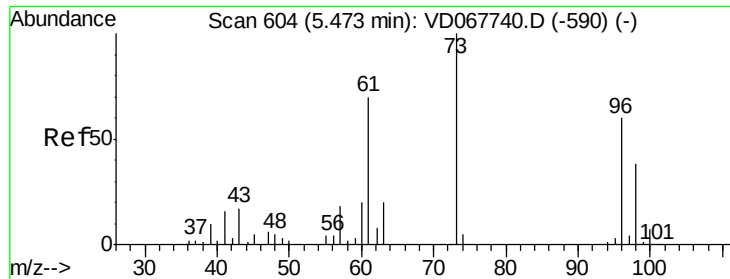
MMDadoda
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#20
Methylene Chloride
Concen: 12.654 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tgt Ion: 84 Resp: 42112
Ion Ratio Lower Upper
84 100
49 93.8 77.4 116.2
51 30.3 24.1 36.1
86 63.2 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 10.679 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 25555

Ion Ratio Lower Upper

96 100

61 105.3 94.0 141.0

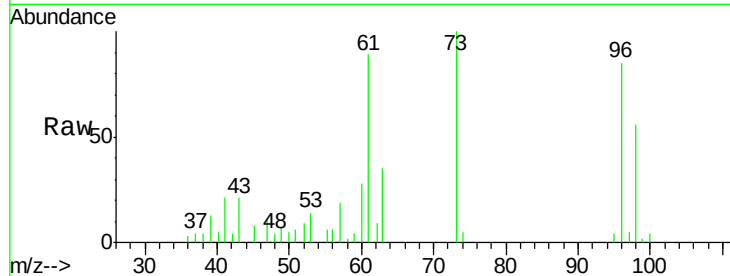
98 65.7 51.3 76.9

Manual Integrations

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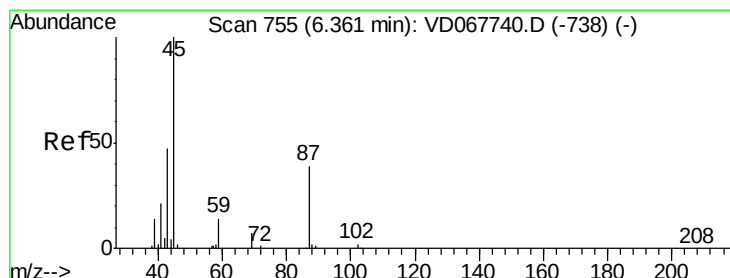
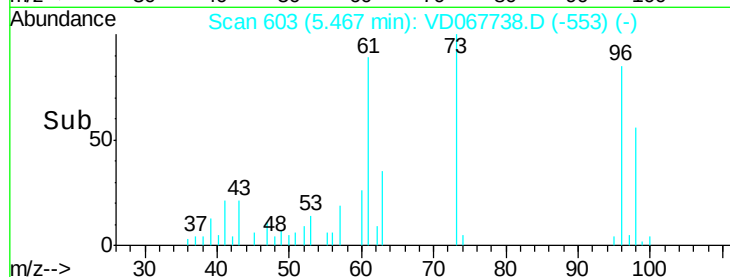
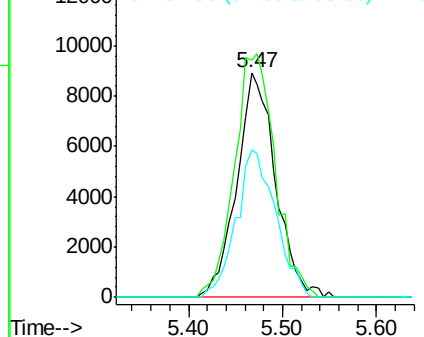
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 10.545 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Tgt Ion: 45 Resp: 42633

Ion Ratio Lower Upper

45 100

43 54.2 46.8 70.2

87 37.0 32.9 49.3

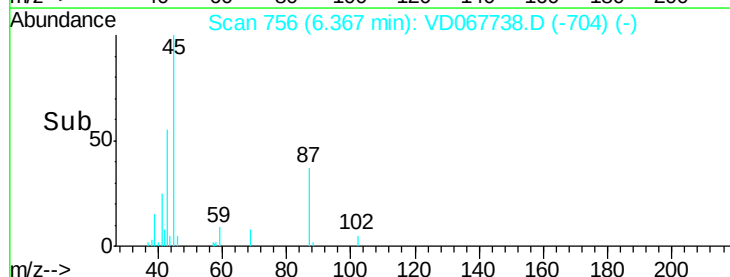
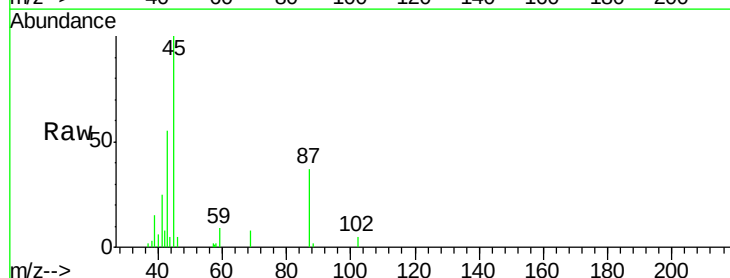
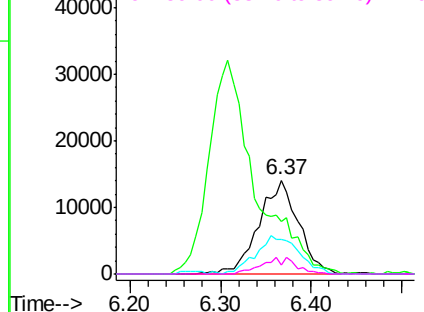
59 8.9 11.2 16.8#

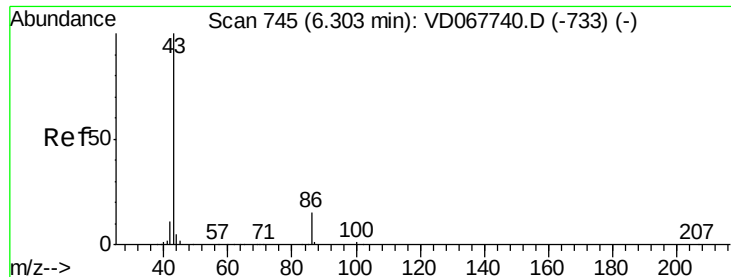
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 49.911 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 114583

Ion Ratio Lower Upper

43 100

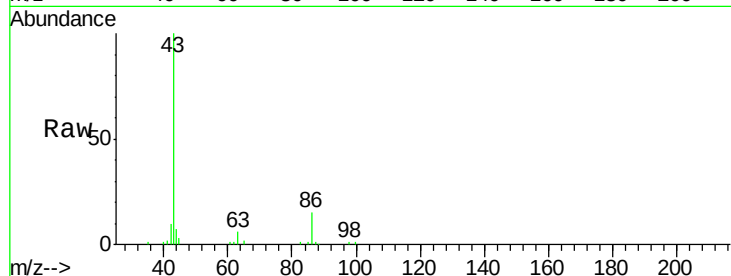
86 14.9 11.7 17.5

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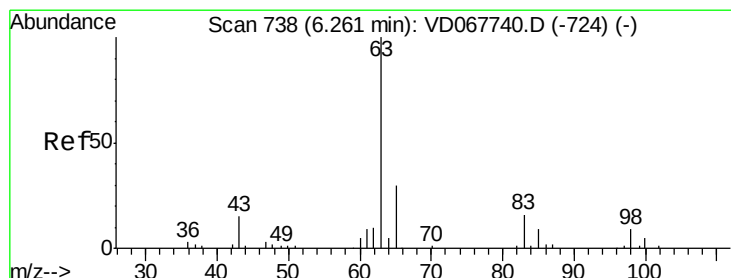
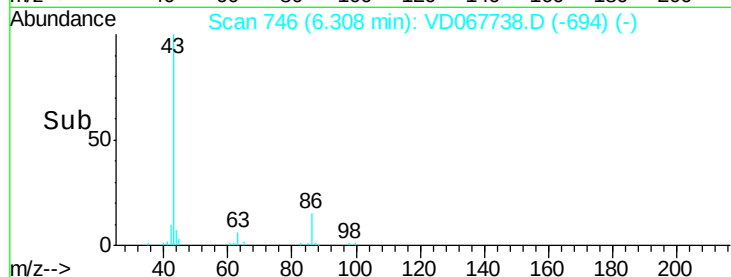
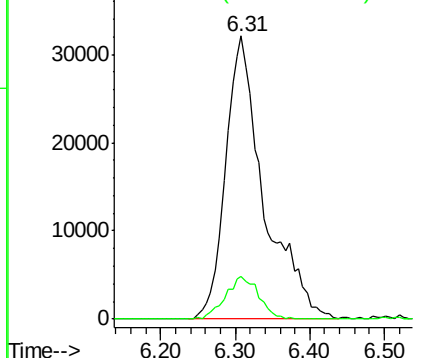
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 10.405 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

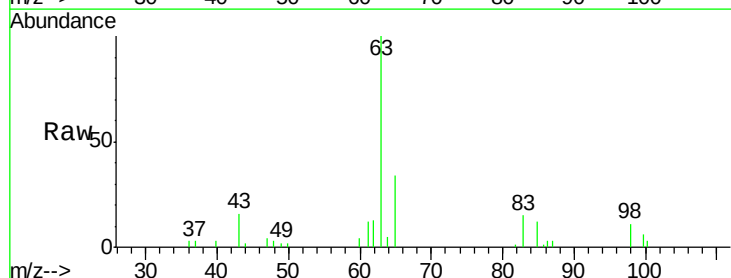
Tgt Ion: 63 Resp: 36405

Ion Ratio Lower Upper

63 100

98 11.5 4.4 13.2

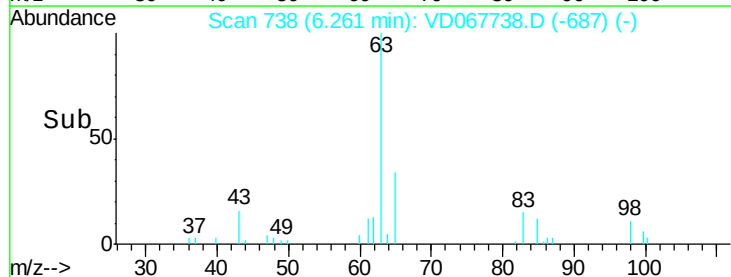
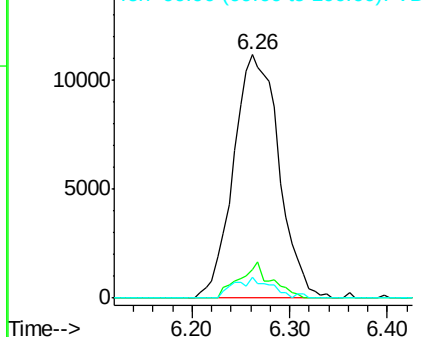
100 8.8 2.6 8.0#

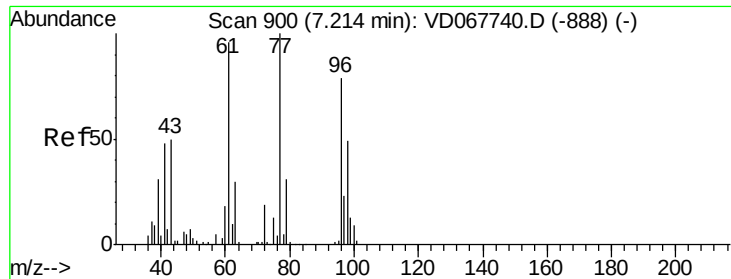


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 54.951 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 19696

Ion Ratio Lower Upper

43 100

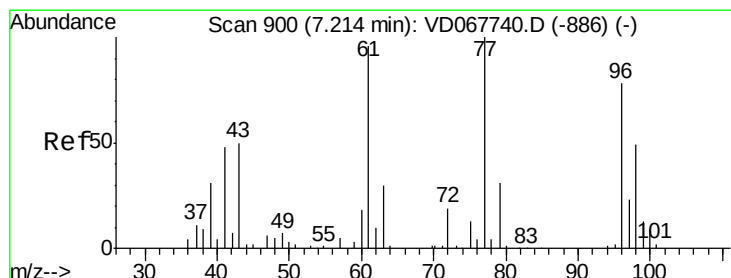
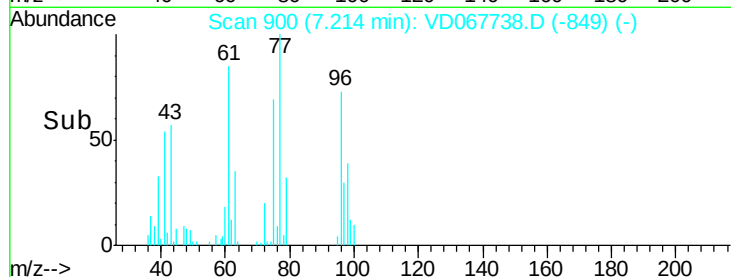
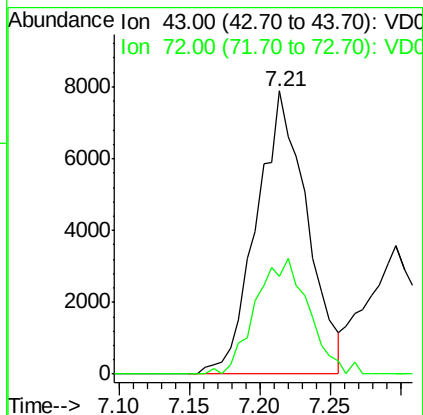
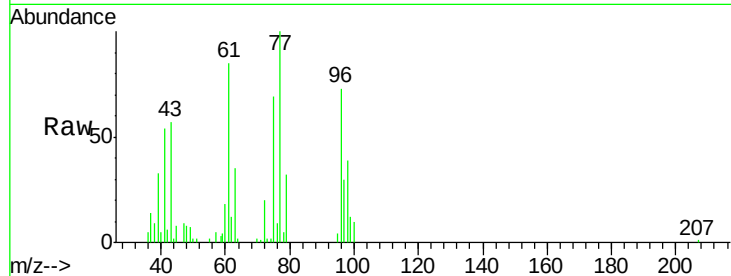
72 34.4 30.8 46.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 10.895 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067738.D

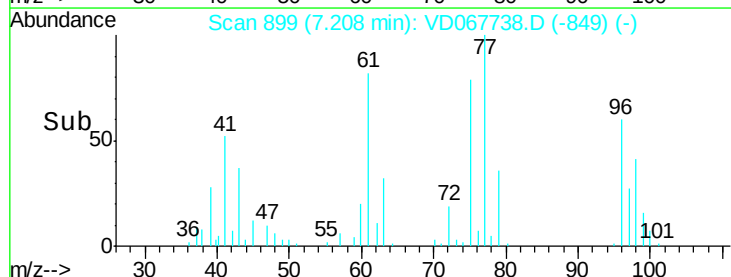
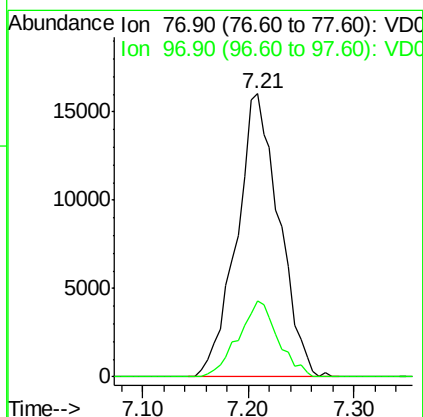
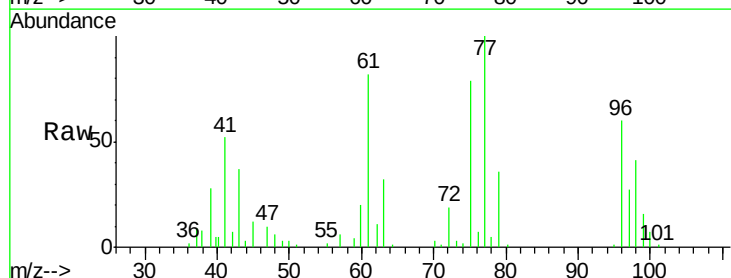
Acq: 23 Nov 2020 11:23

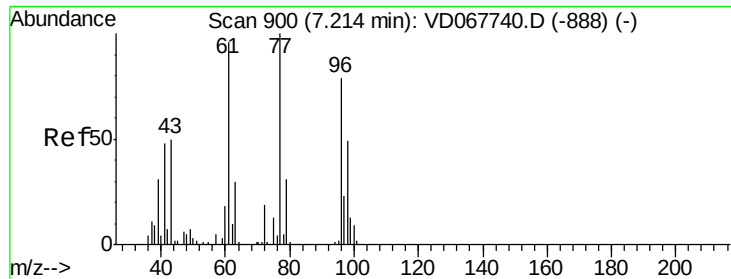
Tgt Ion: 77 Resp: 44632

Ion Ratio Lower Upper

77 100

97 25.0 11.1 33.3





#27

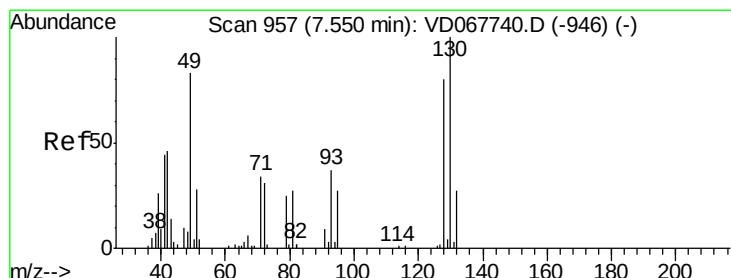
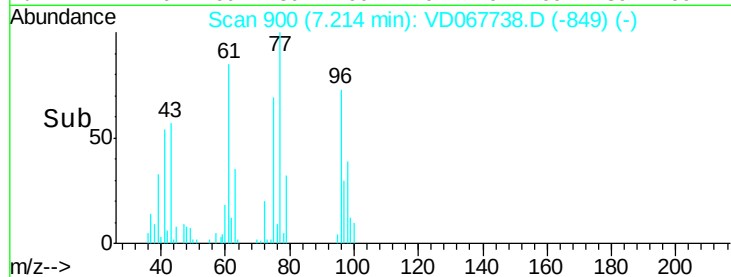
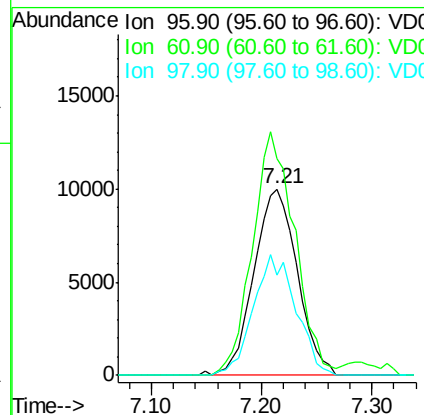
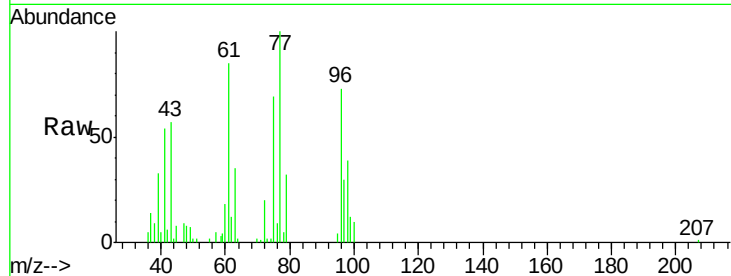
cis-1,2-Dichloroethene
Concen: 10.664 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.3	0.0	258.0
98	63.3	0.0	131.8

Manual Integrations
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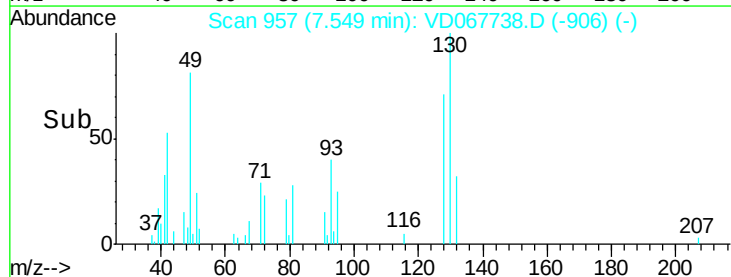
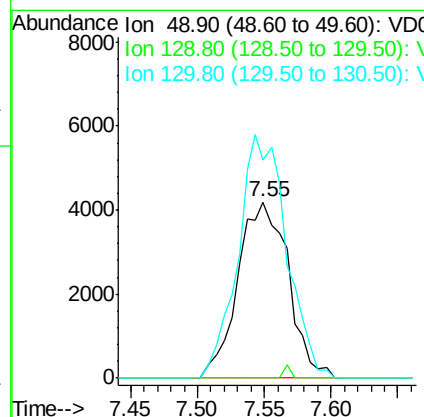
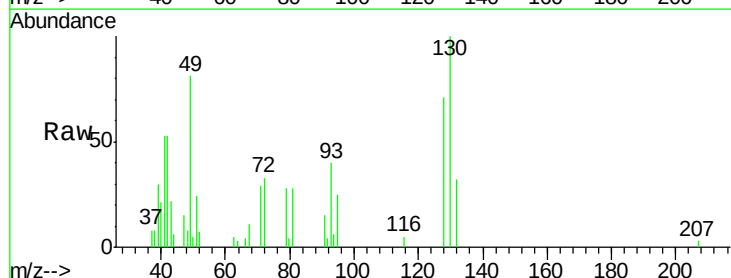
MMDadoda
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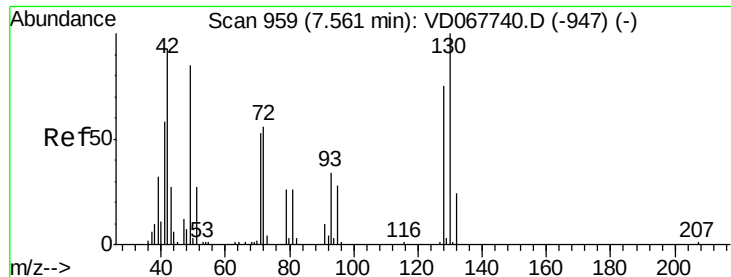


#28

Bromochloromethane
Concen: 9.796 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.0
130	132.7	102.2	153.4





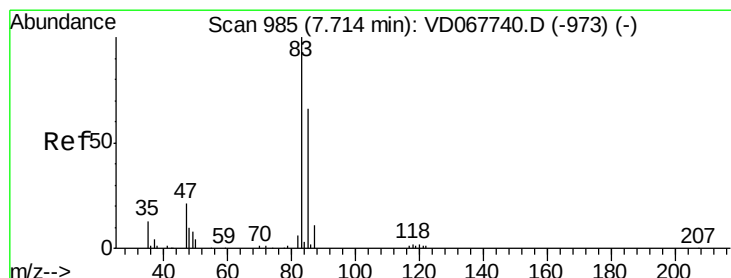
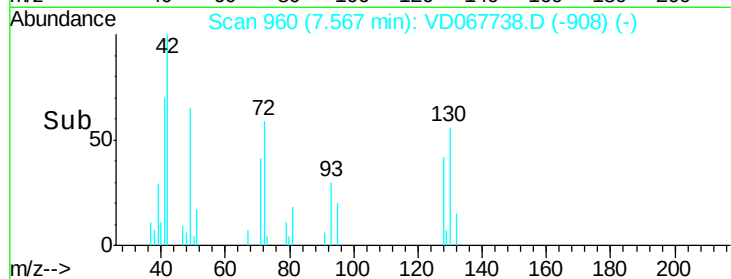
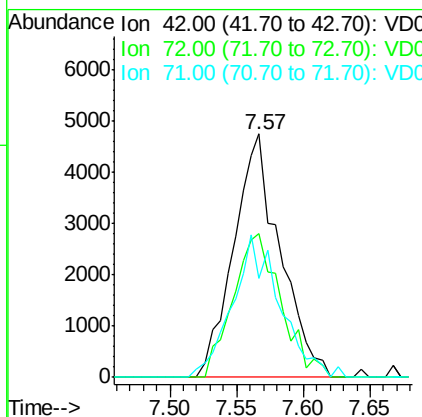
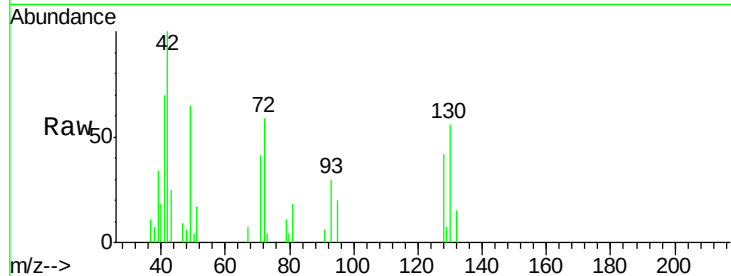
#29
Tetrahydrofuran
Concen: 54.570 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	61.1	49.3	73.9
71	59.9	45.9	68.9

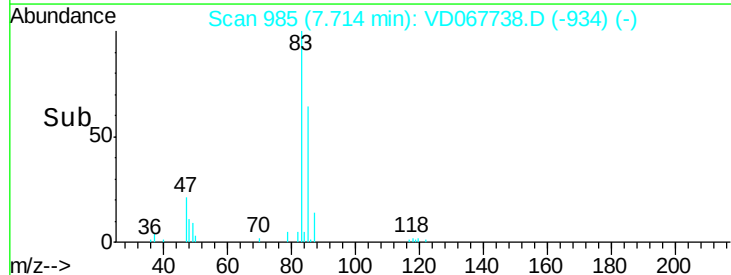
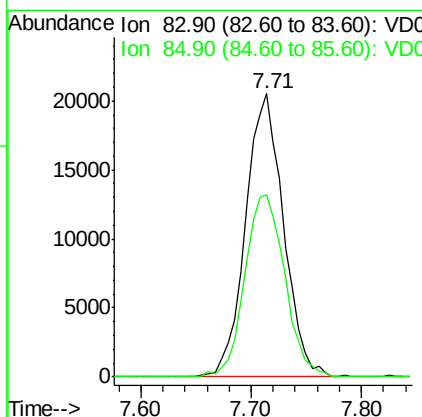
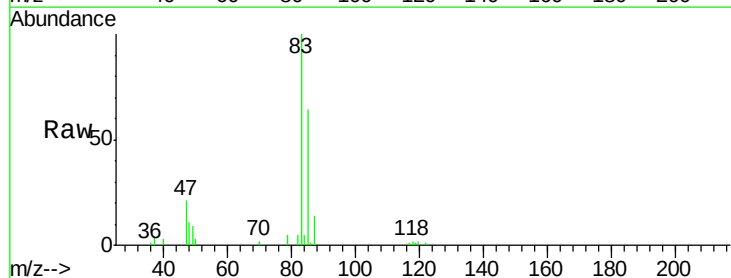
Manual Integrations
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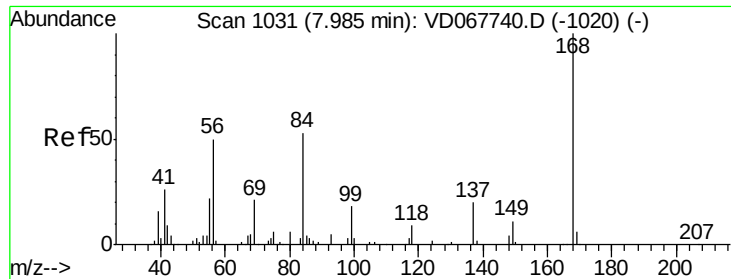
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#30
Chloroform
Concen: 10.915 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.1	79.7





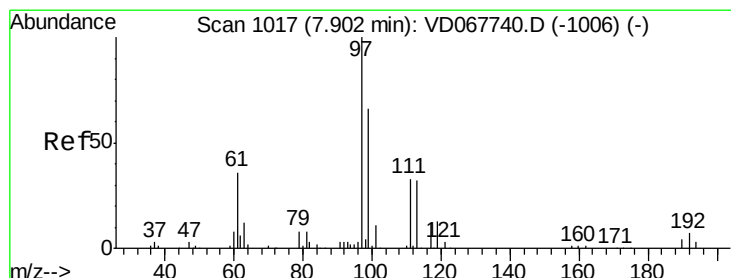
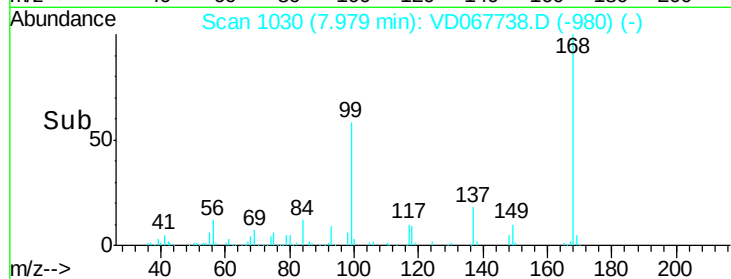
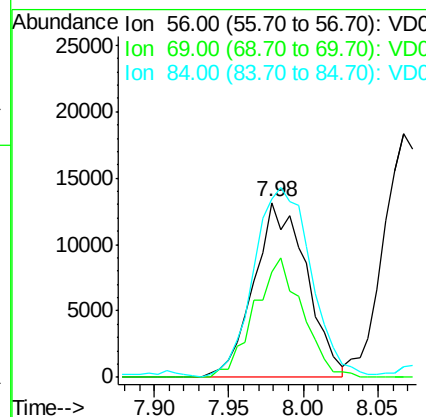
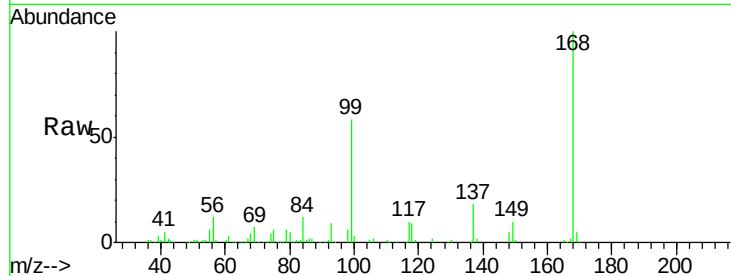
#31
Cyclohexane
Concen: 10.637 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	60.6	33.2	49.8#
84	100.9	84.8	127.2

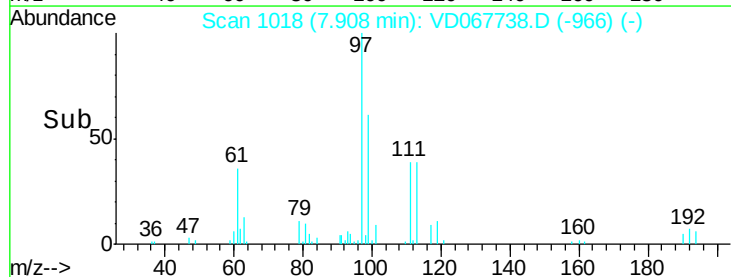
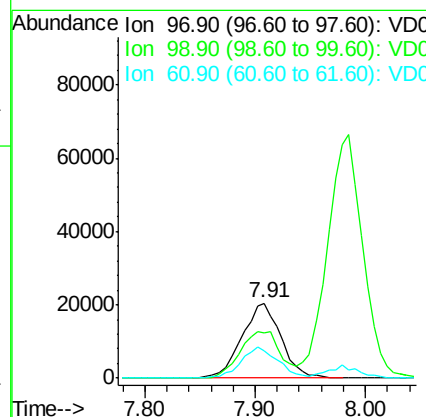
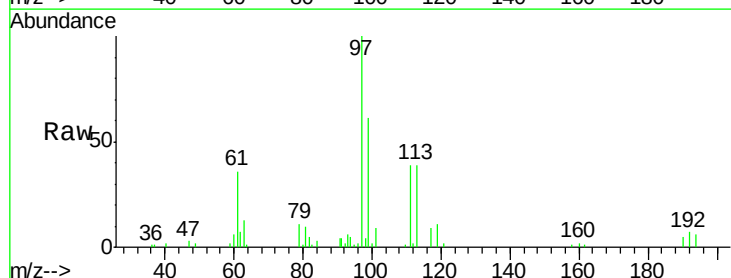
Manual Integrations
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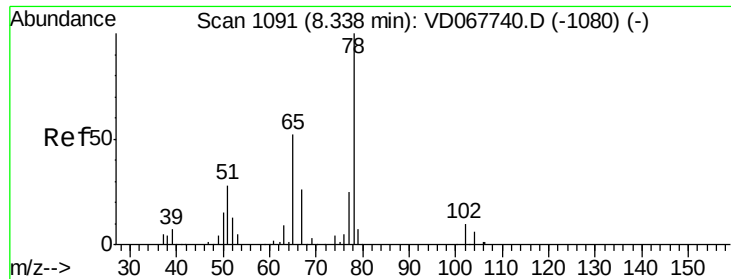
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#32
1,1,1-Trichloroethane
Concen: 10.464 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.1	76.7
61	39.5	29.4	44.2





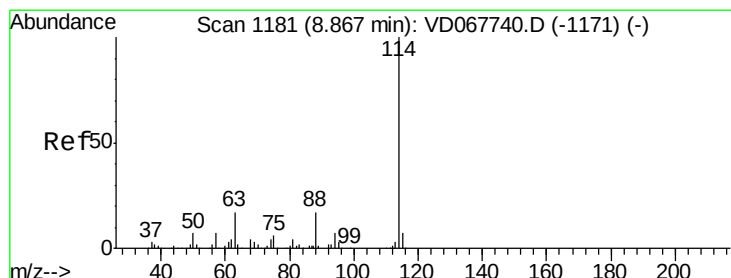
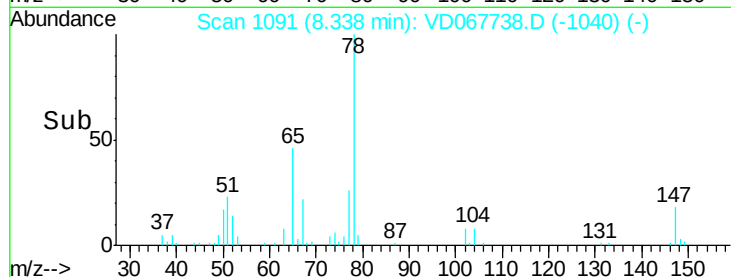
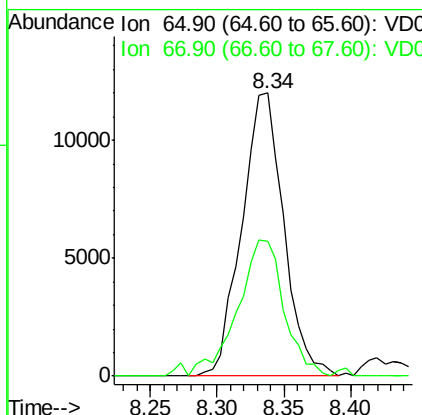
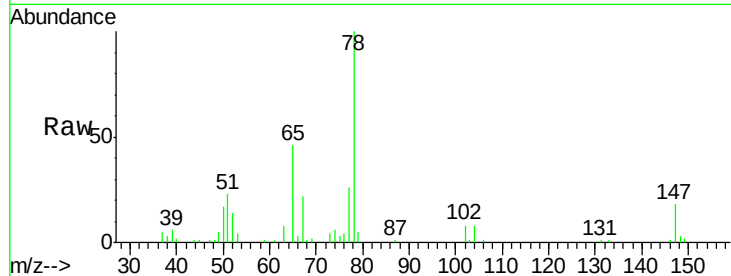
#33
 1,2-Dichloroethane-d4
 Concen: 10.324 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	26164		
67	52.7	0.0	101.0	

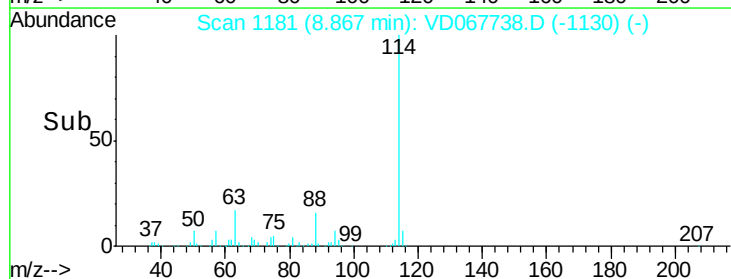
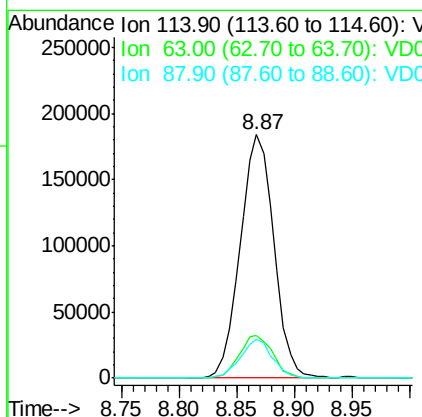
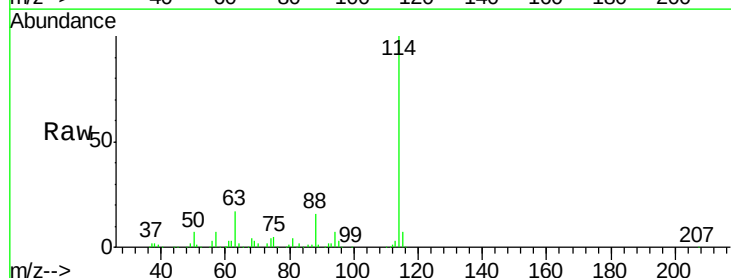
Manual Integrations
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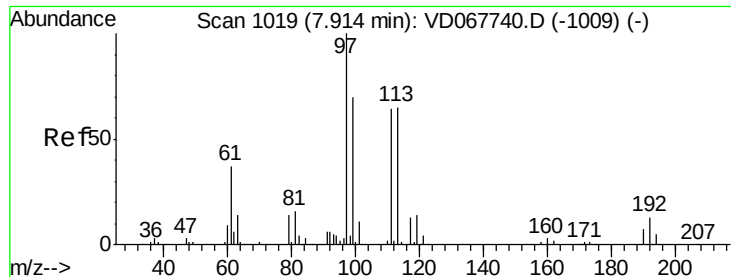
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	373305		
63	17.3	0.0	34.8	
88	15.8	0.0	34.4	





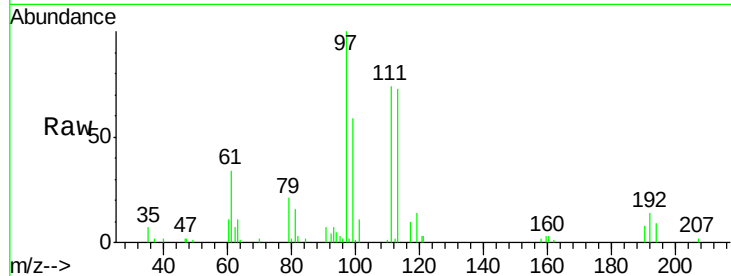
#35
 Dibromofluoromethane
 Concen: 10.469 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

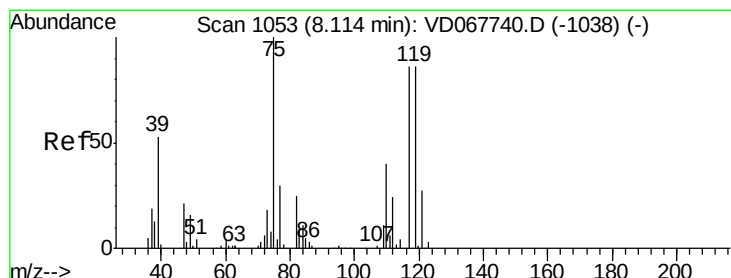
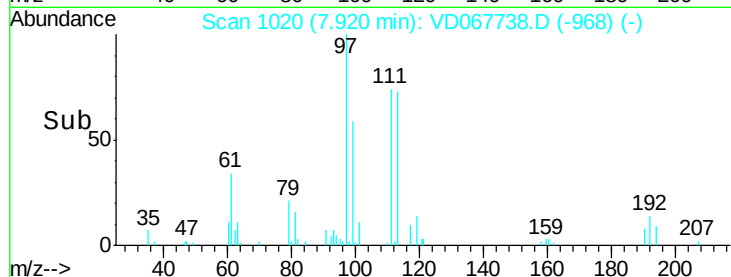
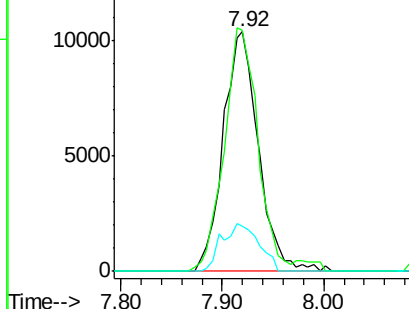
Tot Ion	Ratio	Lower	Upper
113	100		
111	96.7	81.4	122.0
192	21.1	17.0	25.4

Manual Integrations
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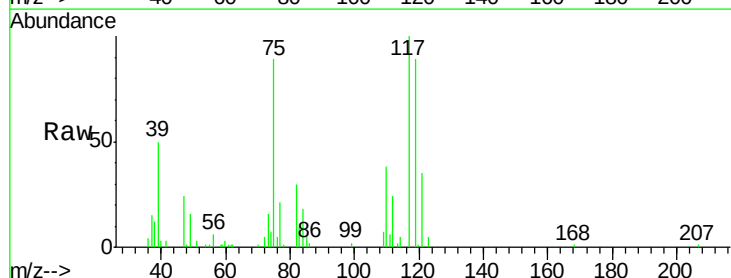


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

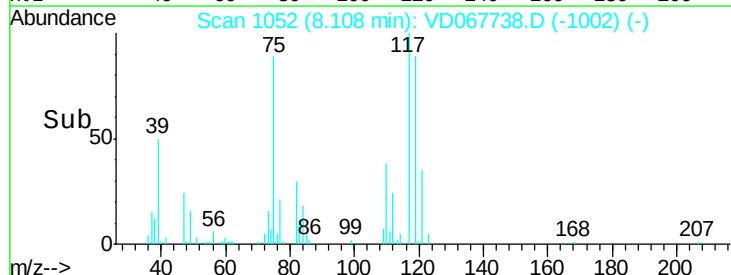
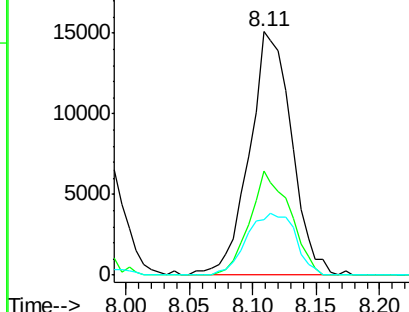


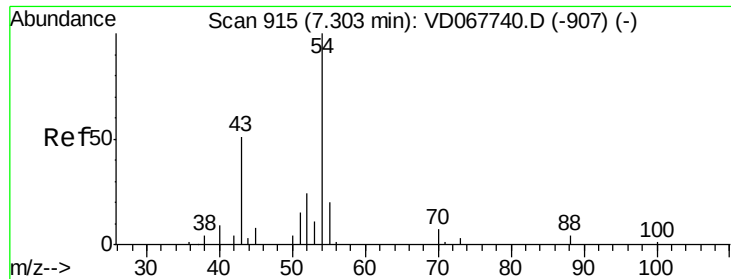
#36
 1,1-Dichloropropene
 Concen: 10.818 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.9	20.1	60.2
77	29.0	24.8	37.2



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





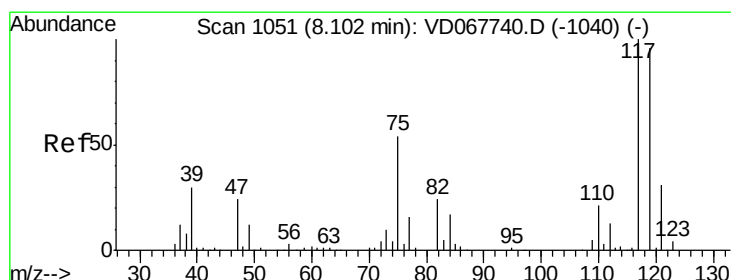
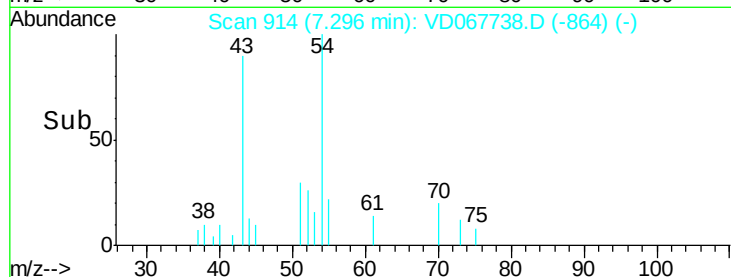
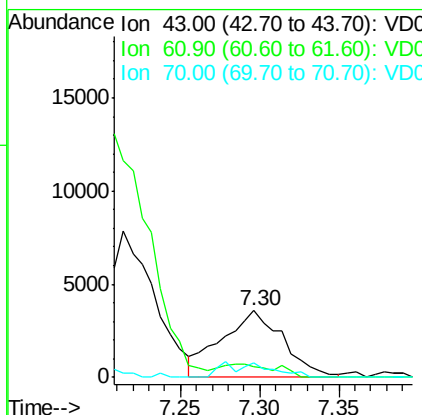
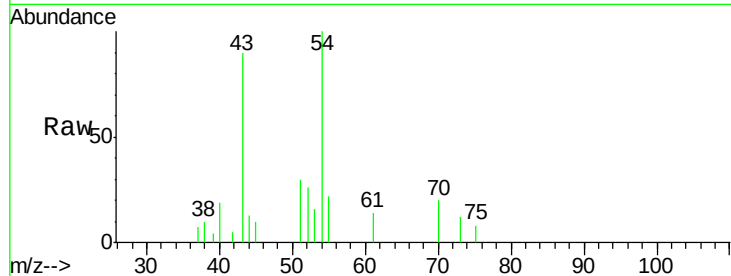
#37
Ethyl Acetate
Concen: 11.472 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	12.9	19.3
70	9.0	12.2	18.2#

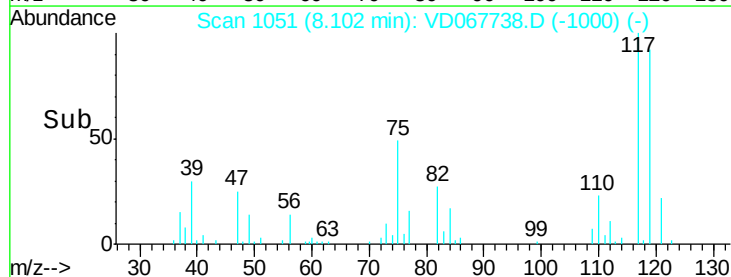
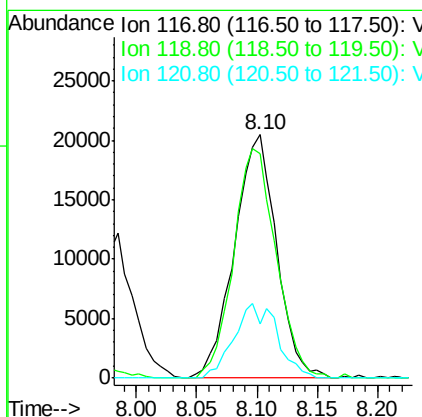
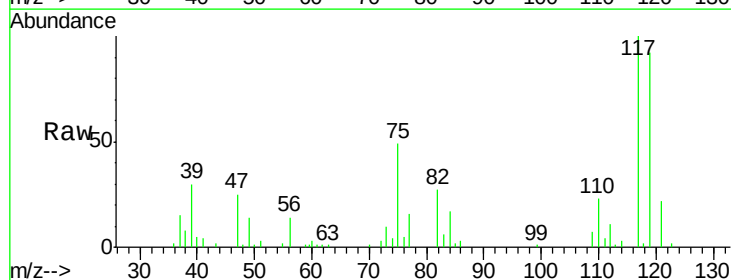
Manual Integrations
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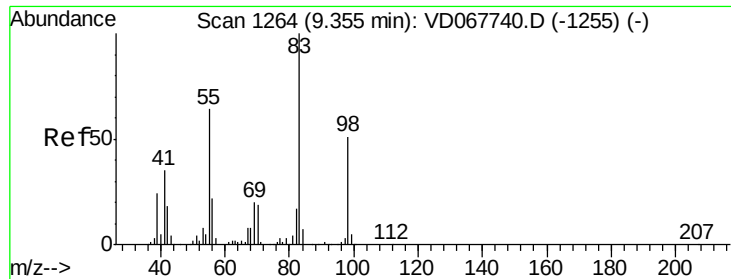
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#38
Carbon Tetrachloride
Concen: 10.498 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.6	115.0
121	22.3	24.5	36.7#





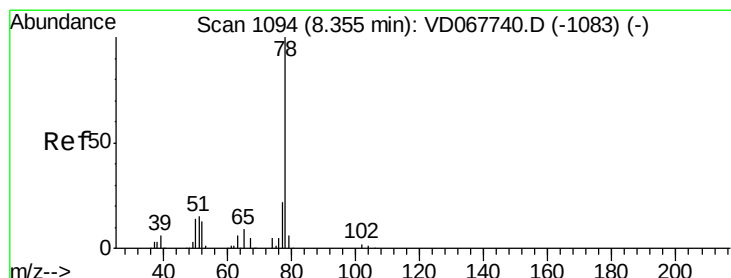
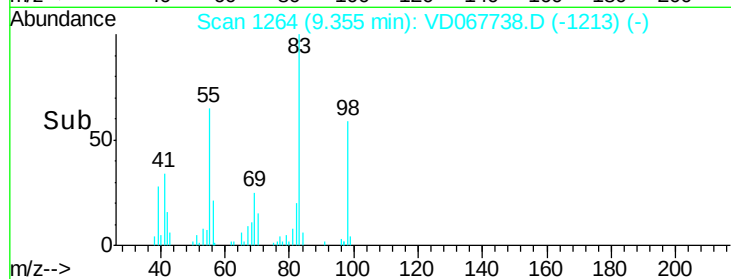
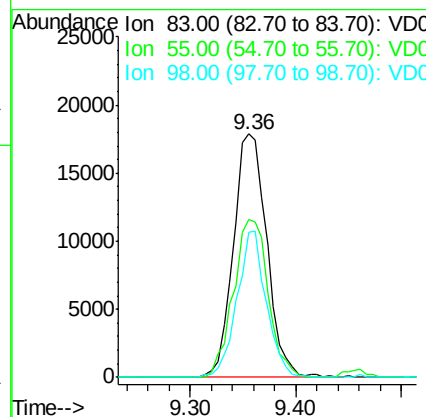
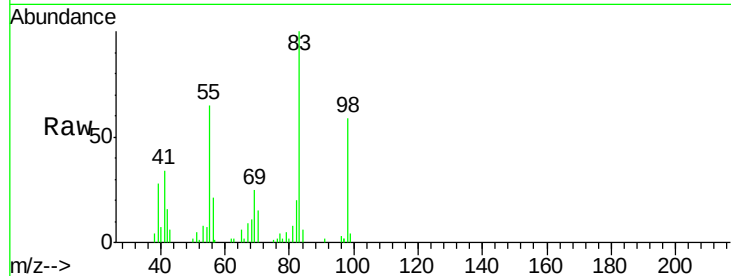
#39
Methylvlcyclohexane
Concen: 10.143 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.7	51.0	76.4
98	59.5	40.4	60.6

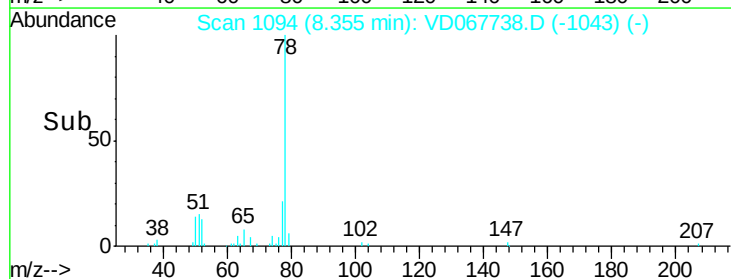
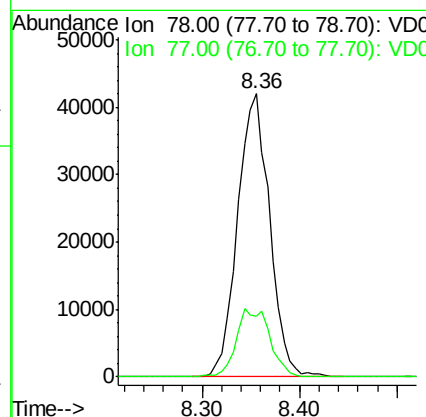
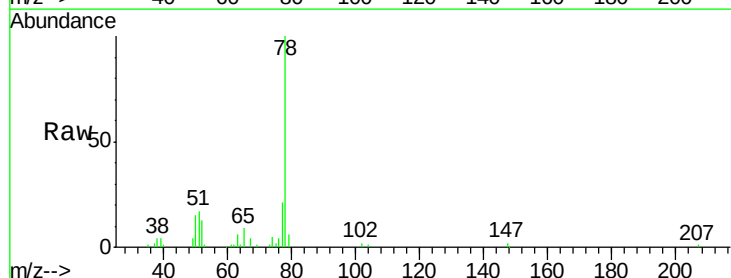
Manual Integrations
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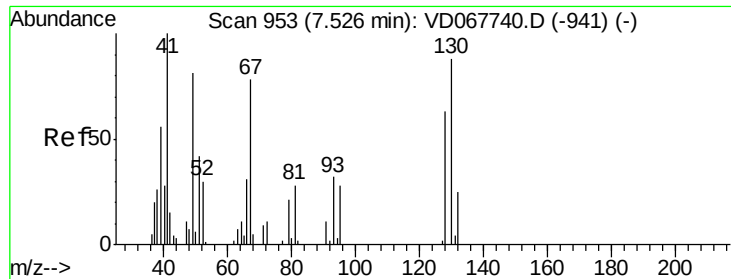
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#40
Benzene
Concen: 10.791 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.3	17.8	26.6





#41

Methacrylonitrile

Concen: 10.706 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 4221

Ion Ratio Lower Upper

41 100

39 68.6 50.2 75.4

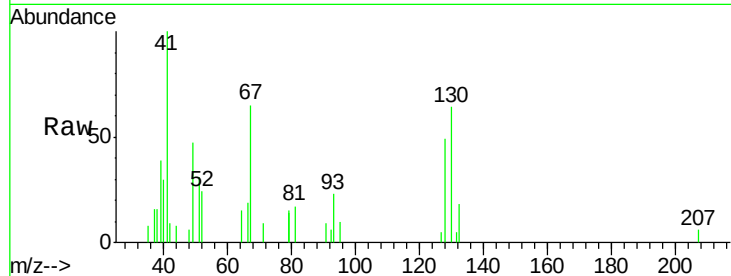
67 122.5 79.0 118.6#

52 45.9 32.4 48.6

Manual Integrations
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11/24/2020 2:56:27 PM

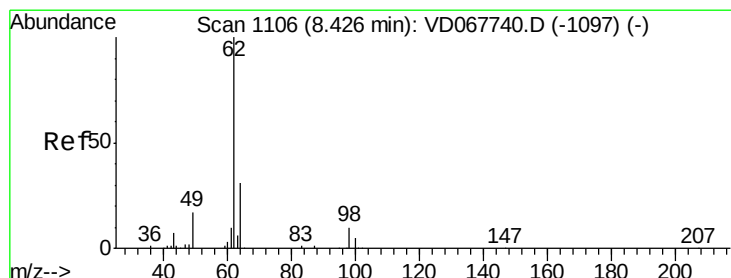
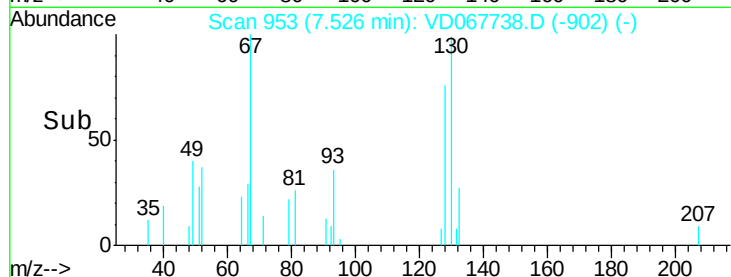
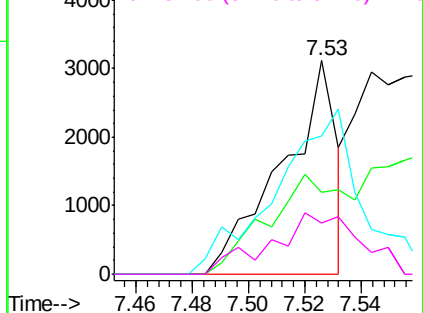


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 10.576 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD067738.D

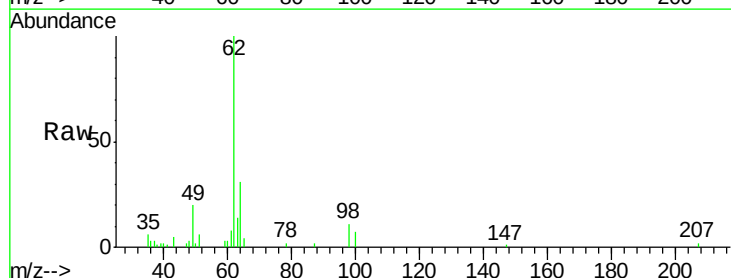
Acq: 23 Nov 2020 11:23

Tgt Ion: 62 Resp: 31667

Ion Ratio Lower Upper

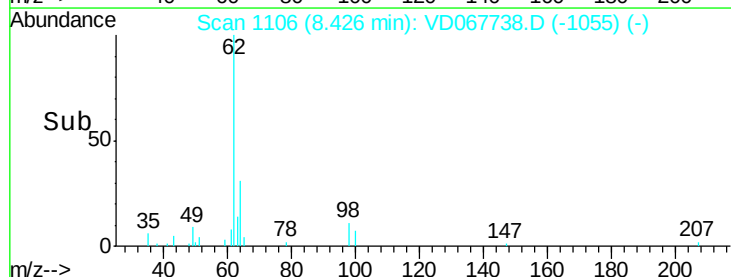
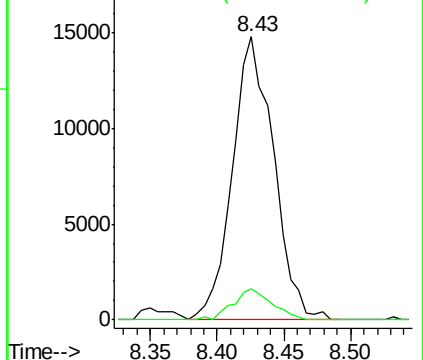
62 100

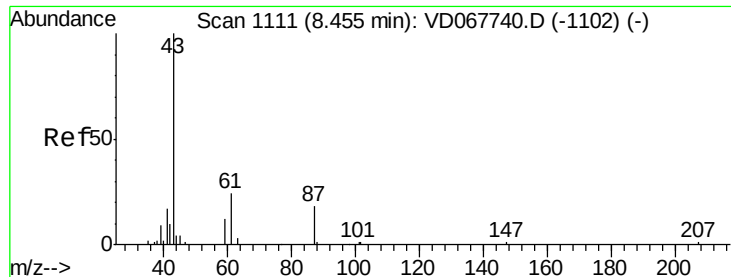
98 10.3 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 10.642 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

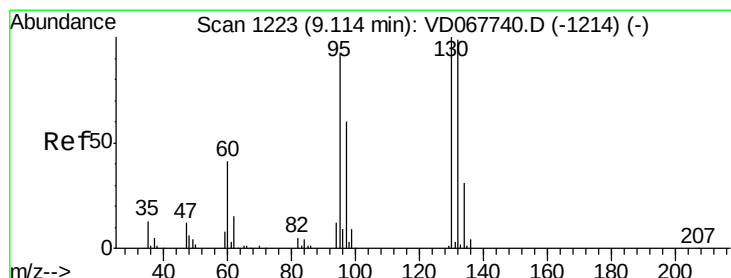
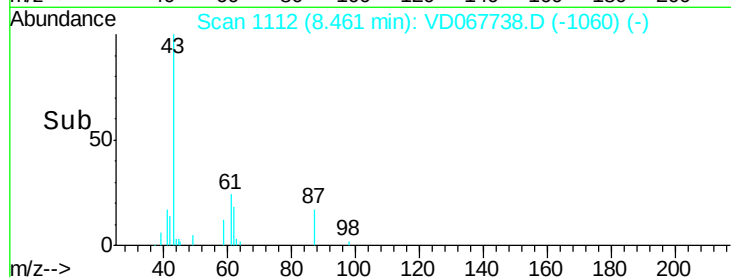
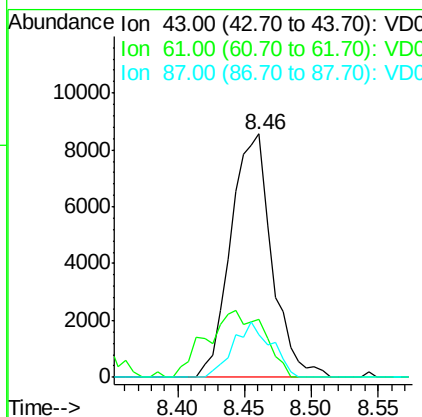
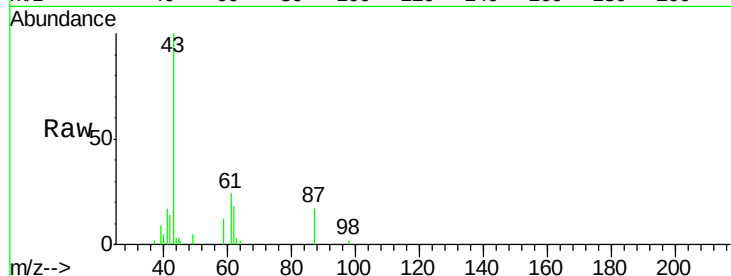
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	18280
Ion	Ratio	Lower	Upper
43	100		
61	38.2	30.2	45.4
87	21.2	14.2	21.4

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#44

Trichloroethene

Concen: 10.708 ug/l

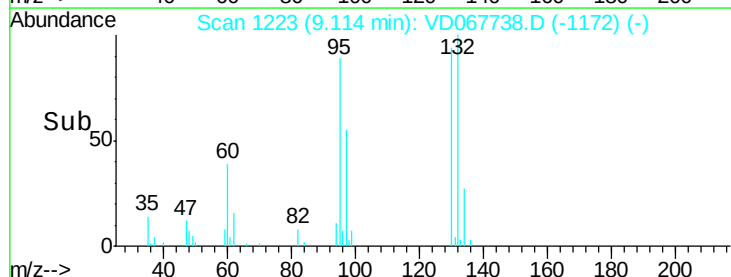
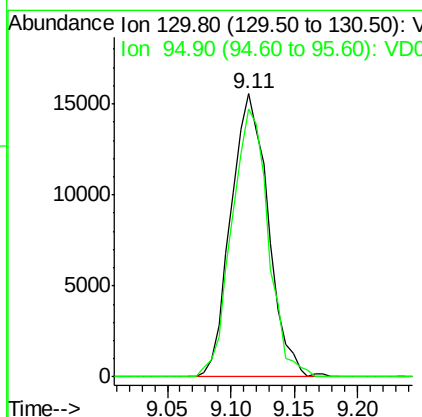
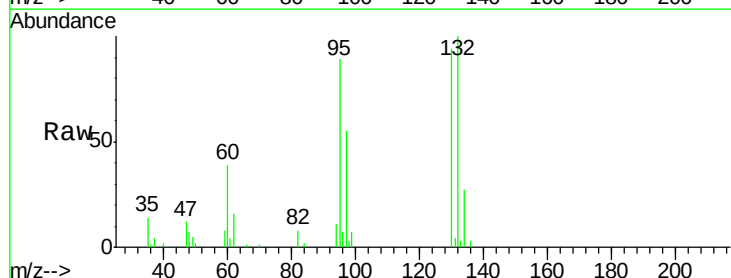
RT: 9.11 min Scan# 1223

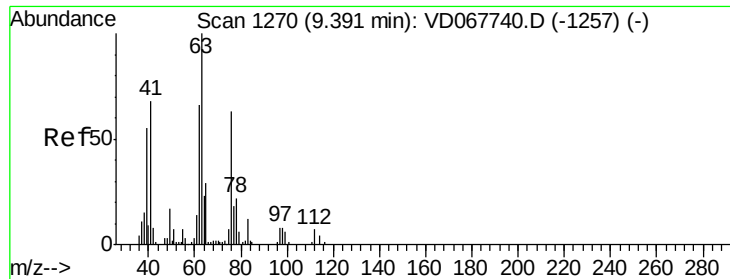
Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Tgt Ion:	130	Resp:	31819
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	184.2





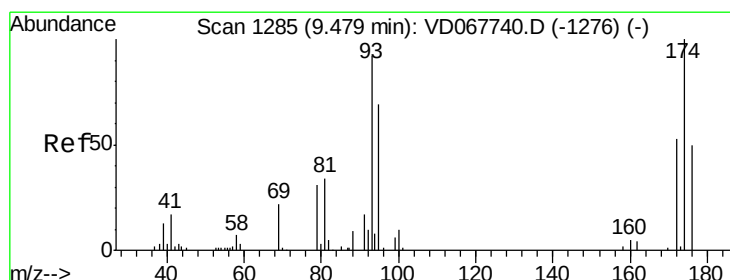
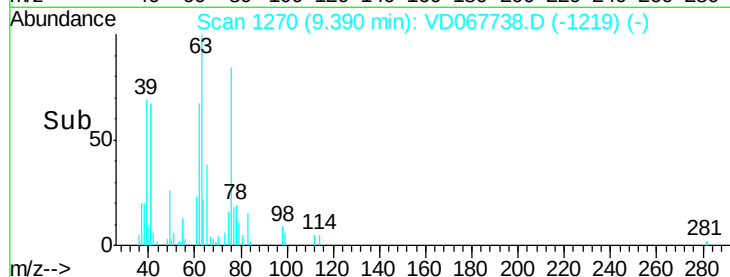
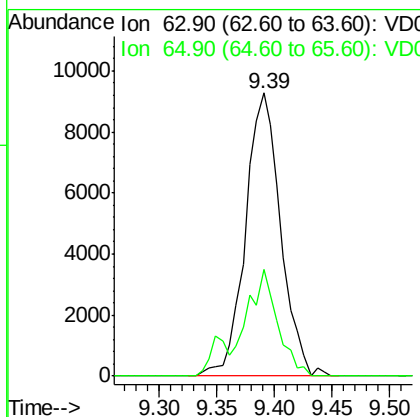
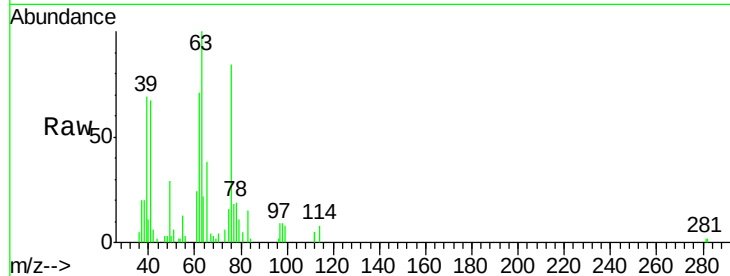
#45
 1,2-Dichloropropane
 Concen: 10.866 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 19691
 Ion Ratio Lower Upper
 63 100
 65 37.7 23.1 34.7#

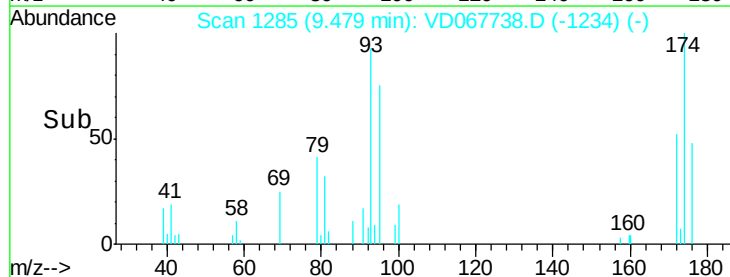
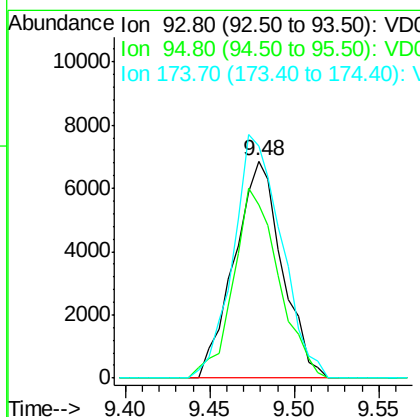
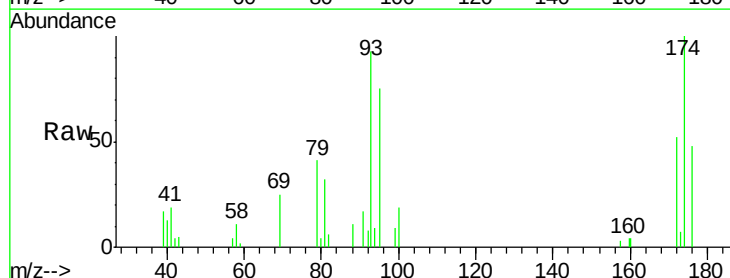
Manual Integrations
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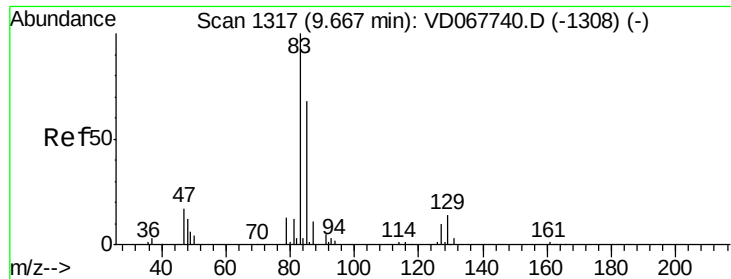
MMDadoda
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#46
 Dibromomethane
 Concen: 11.074 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Tgt Ion: 93 Resp: 13478
 Ion Ratio Lower Upper
 93 100
 95 82.5 63.4 95.2
 174 112.6 89.6 134.4





#47

Bromodichloromethane

Concen: 10.705 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

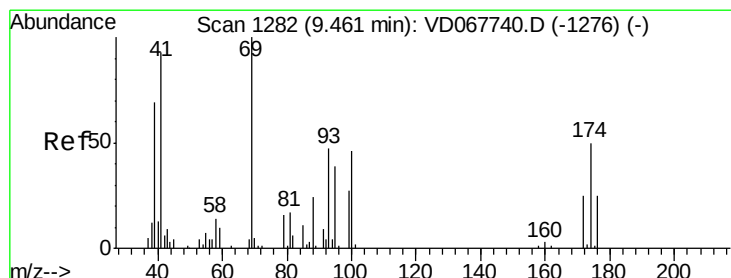
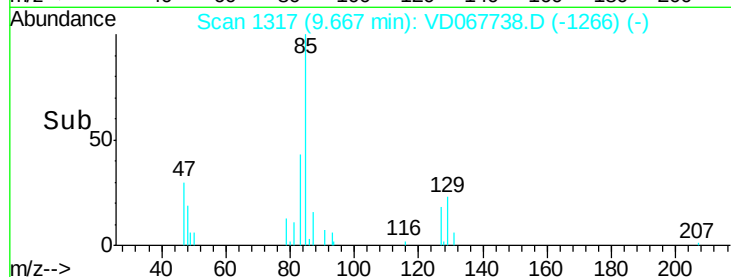
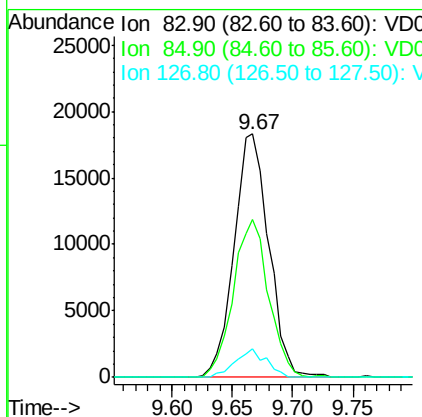
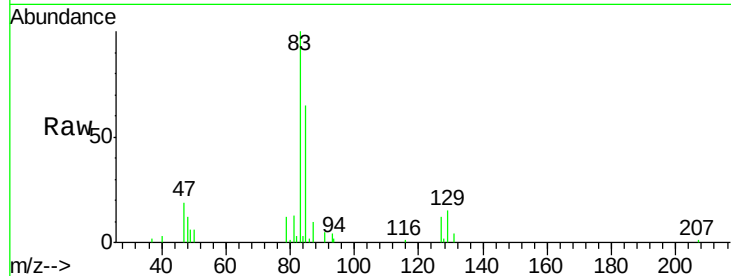
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	36824
Ion	Ratio	Lower	Upper
83	100		
85	65.0	54.2	81.2
127	11.5	7.6	11.4#

Manual Integrations
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#48

Methyl methacrylate

Concen: 10.969 ug/l

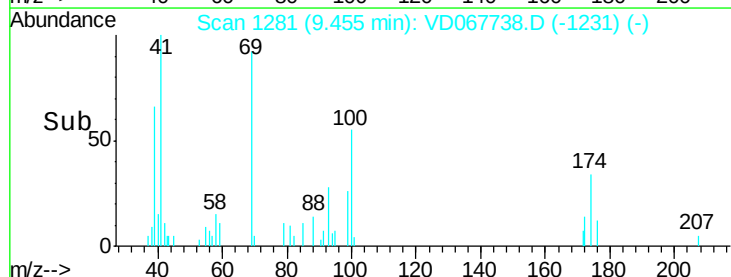
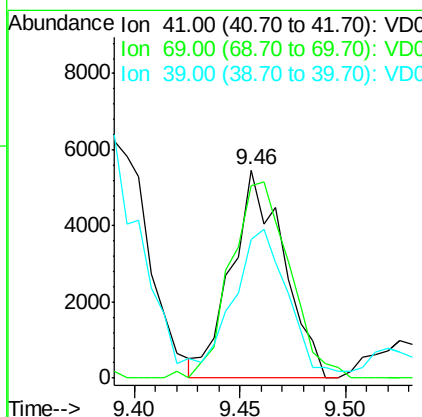
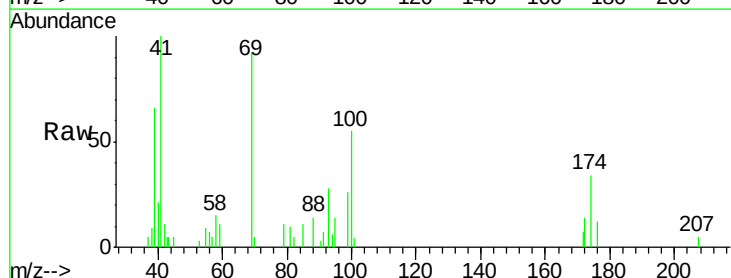
RT: 9.46 min Scan# 1281

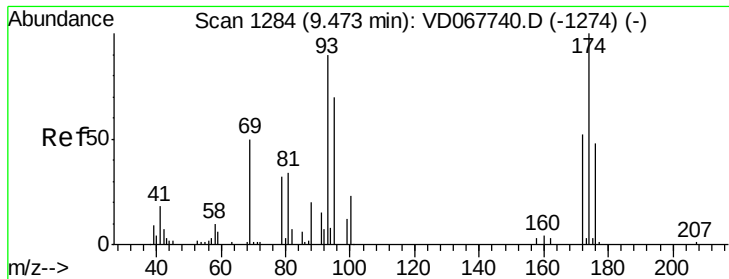
Delta R.T. -0.01 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Tgt Ion:	41	Resp:	9334
Ion	Ratio	Lower	Upper
41	100		
69	106.9	87.8	131.6
39	75.1	60.5	90.7





#49

1,4-Dioxane

Concen: 188.556 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

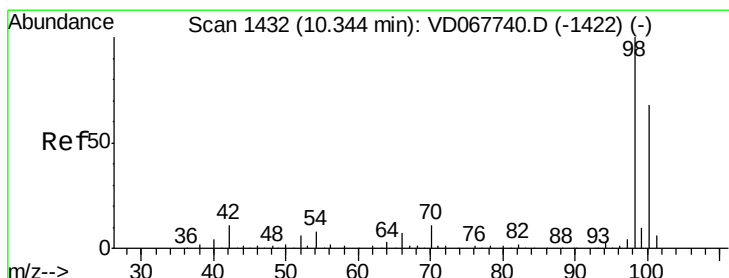
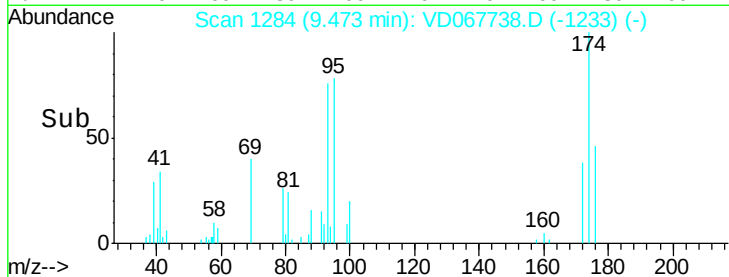
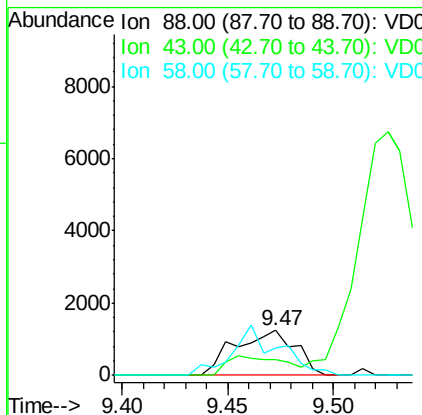
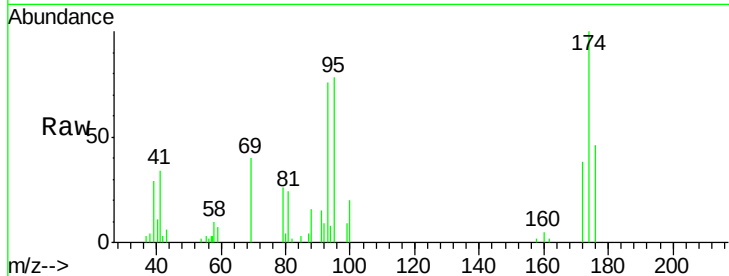
ClientSampleId :

VSTDIC010

Tot Ion	88	Resp	2489
Ion	Ratio	Lower	Upper
88	100		
43	40.3	25.2	37.8#
58	85.1	48.2	72.2#

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#50

Toluene-d8

Concen: 10.523 ug/l

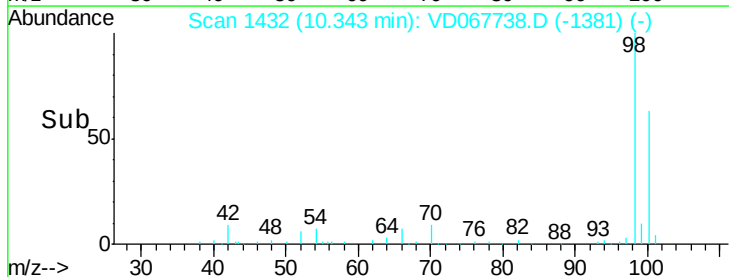
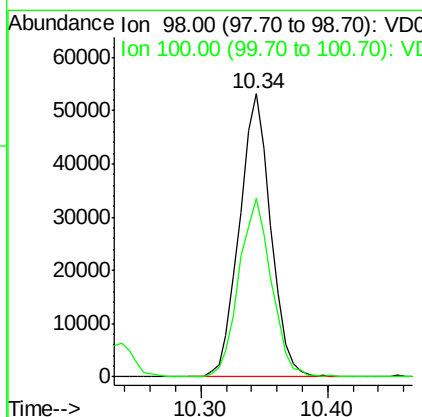
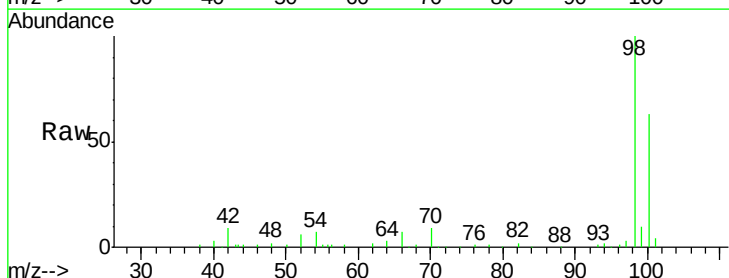
RT: 10.34 min Scan# 1432

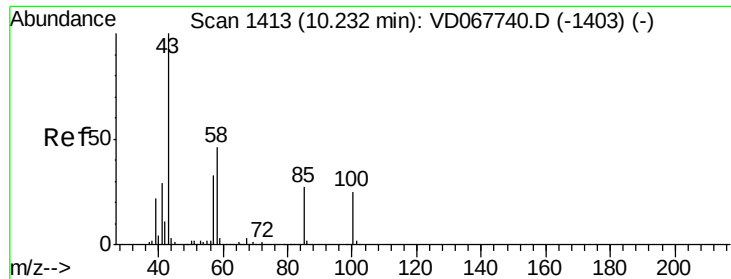
Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Tgt Ion	98	Resp	91273
Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 54.645 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC010

Tot Ion: 43 Resp: 43798

Ion Ratio Lower Upper

43 100

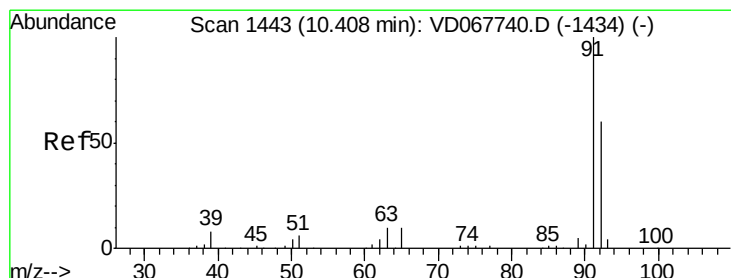
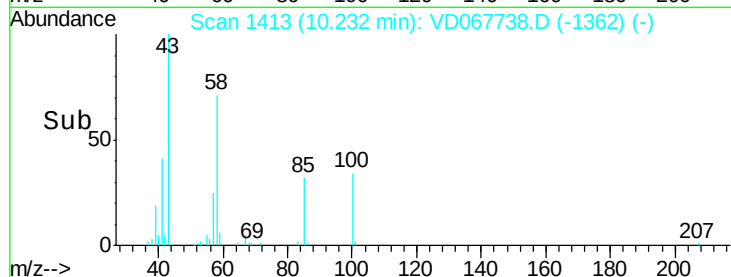
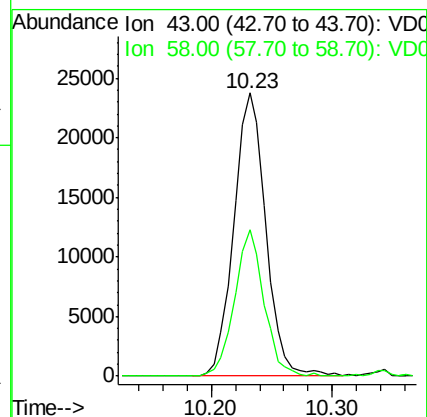
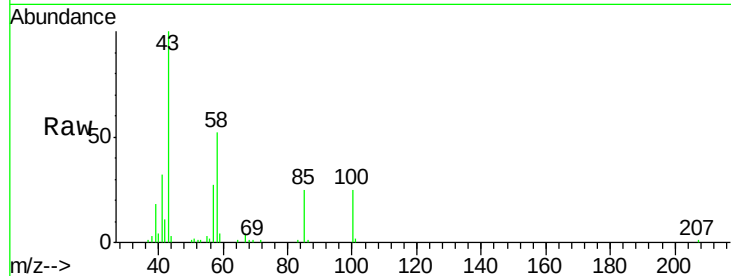
58 47.2 34.7 52.1

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#52

Toluene

Concen: 10.596 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067738.D

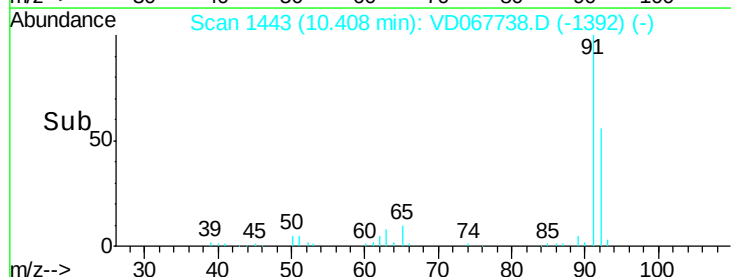
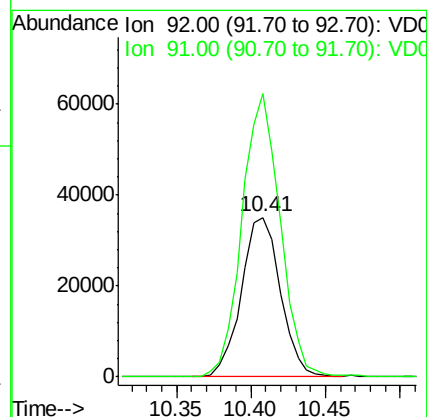
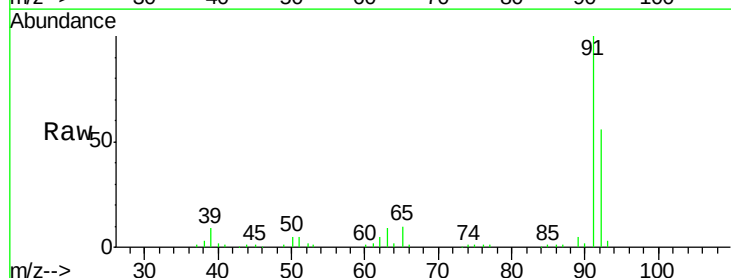
Acq: 23 Nov 2020 11:23

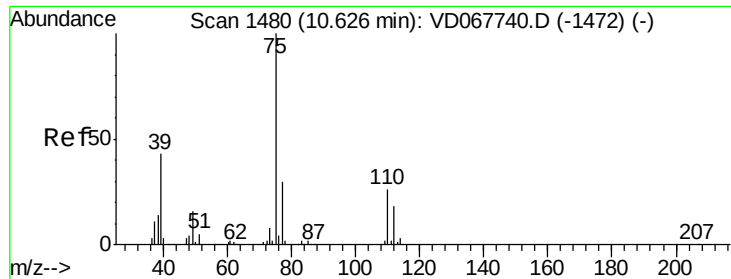
Tgt Ion: 92 Resp: 63703

Ion Ratio Lower Upper

92 100

91 173.5 135.4 203.0





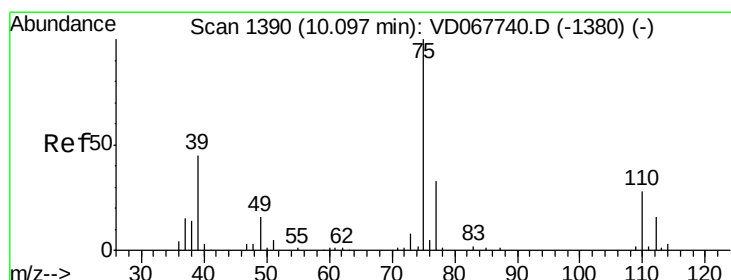
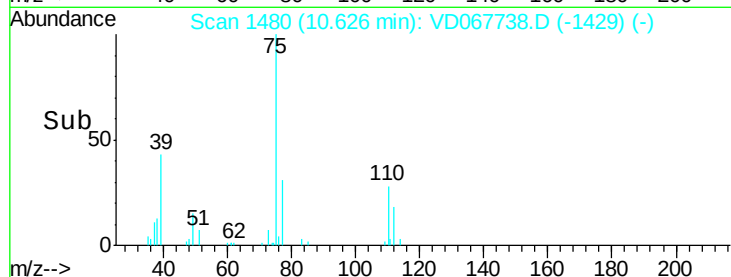
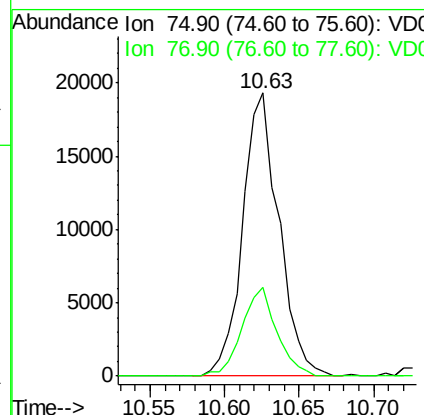
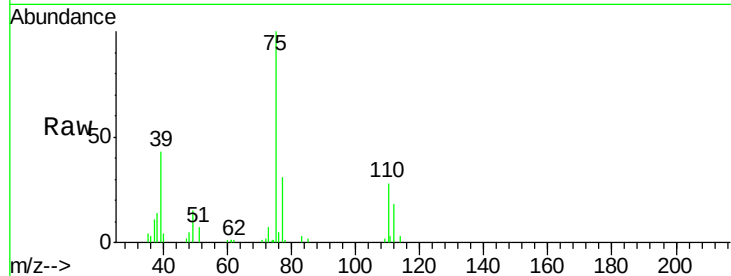
#53
 t-1,3-Dichloropropene
 Concen: 10.836 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 75 Resp: 32466
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.2 36.4

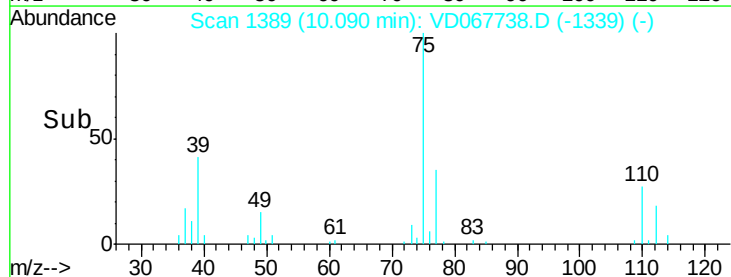
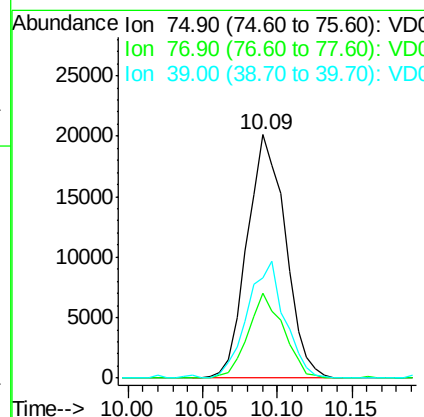
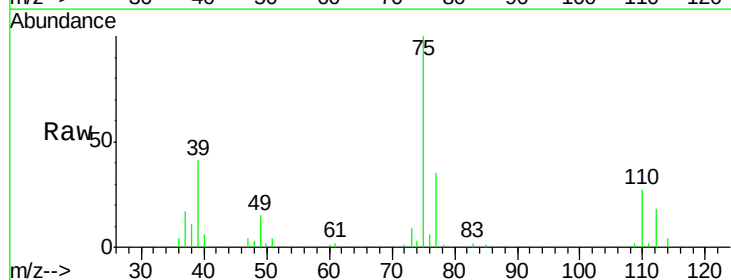
Manual Integrations
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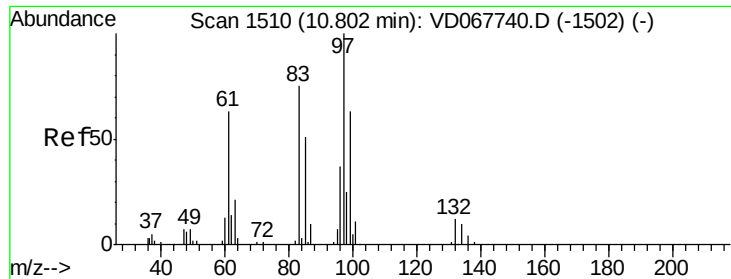
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#54
 cis-1,3-Dichloropropene
 Concen: 10.524 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Tgt Ion: 75 Resp: 35696
 Ion Ratio Lower Upper
 75 100
 77 34.7 26.1 39.1
 39 41.4 35.8 53.6





#55

1,1,2-Trichloroethane

Concen: 11.033 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

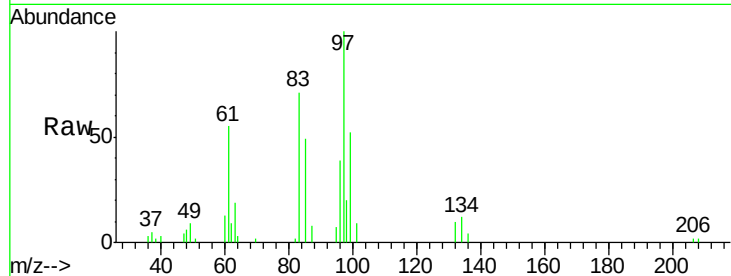
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	18229
Ion	Ratio	Lower	Upper
97	100		
83	70.5	60.2	90.4
85	48.7	40.5	60.7
99	51.7	50.6	76.0

Manual Integrations
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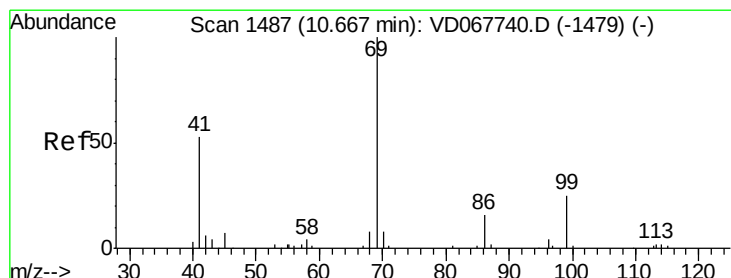
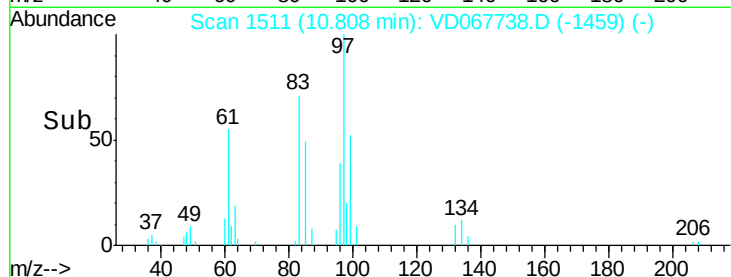
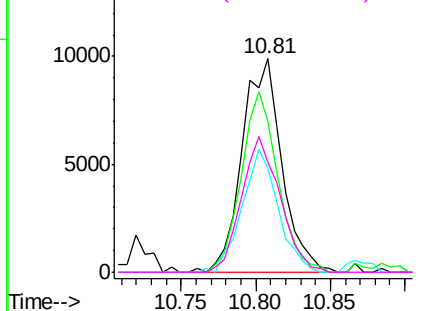


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 10.224 ug/l

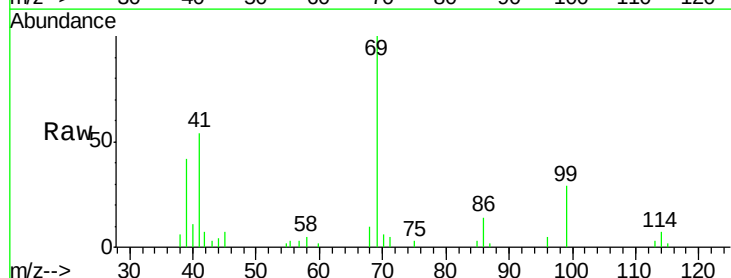
RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

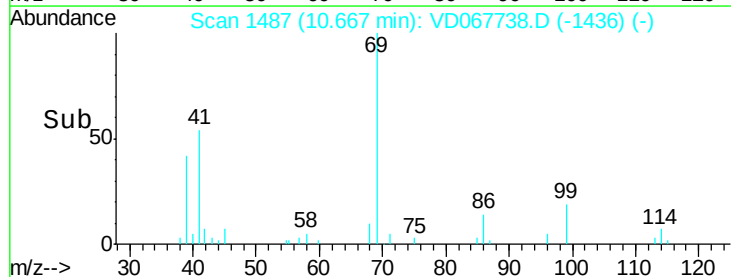
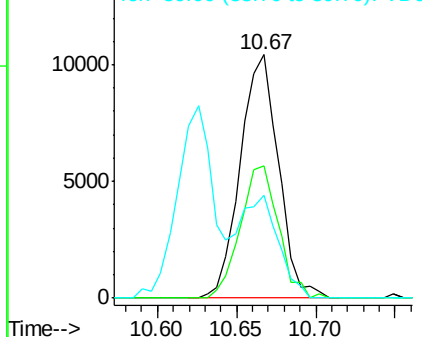
Tgt Ion:	69	Resp:	17459
Ion	Ratio	Lower	Upper
69	100		
41	54.1	43.4	65.0
39	43.2	29.6	44.4

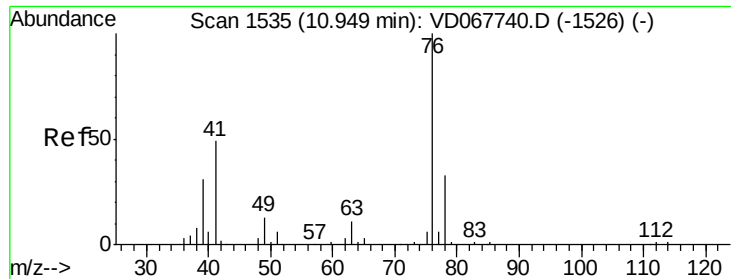


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





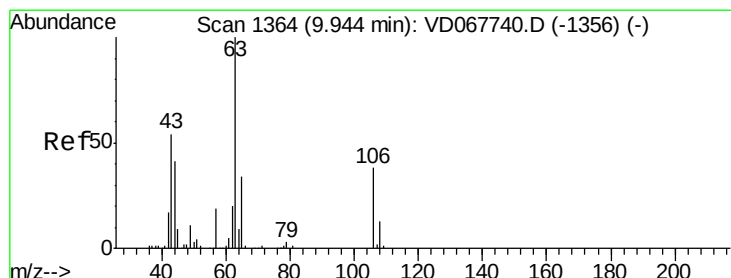
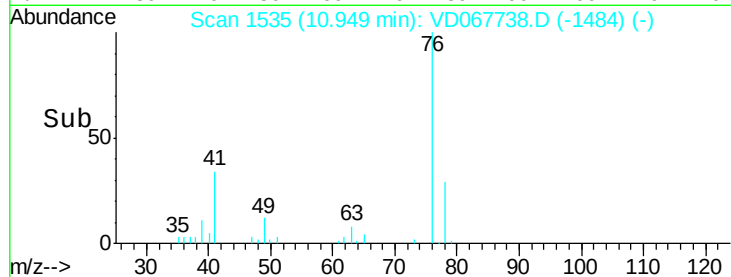
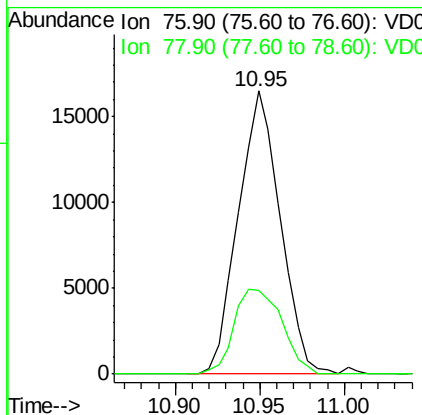
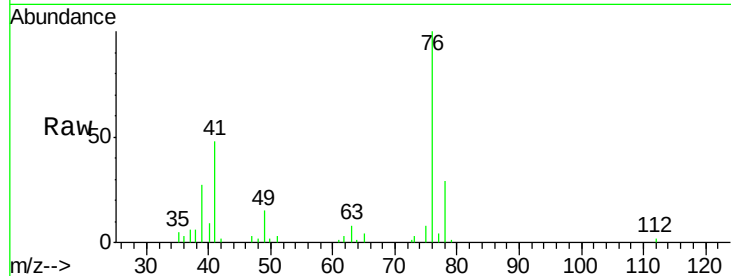
#57
 1,3-Dichloropropane
 Concen: 11.042 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 28577
 Ion Ratio Lower Upper
 76 100
 78 34.1 25.7 38.5

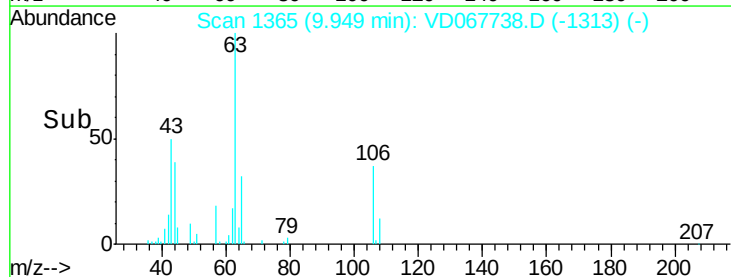
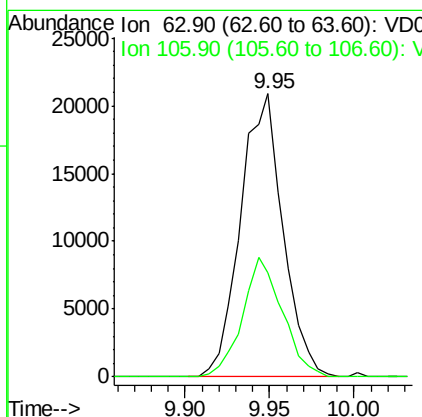
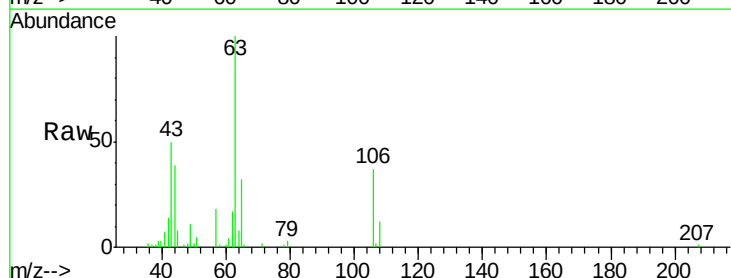
Manual Integrations
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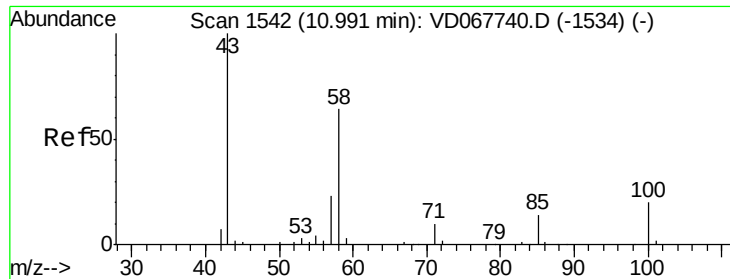
MMDadoda
 11/24/2020 2:56:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 45.708 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Tgt Ion: 63 Resp: 36451
 Ion Ratio Lower Upper
 63 100
 106 39.7 31.0 46.6





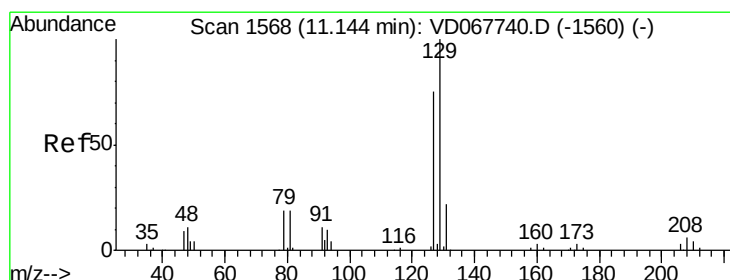
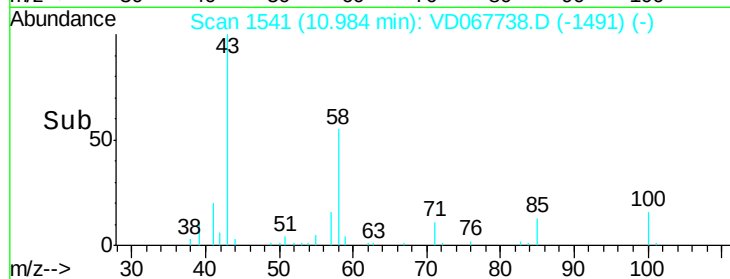
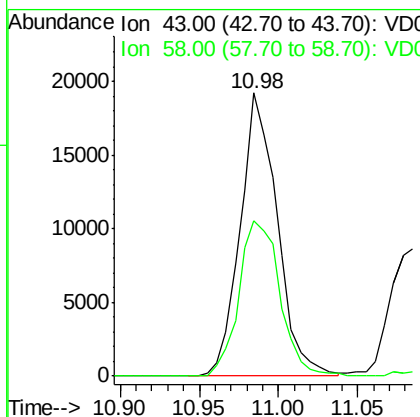
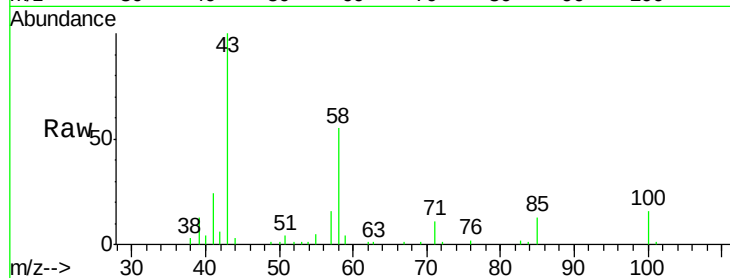
#59
2-Hexanone
Concen: 54.603 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 31233
Ion Ratio Lower Upper
43 100
58 60.7 30.5 91.5

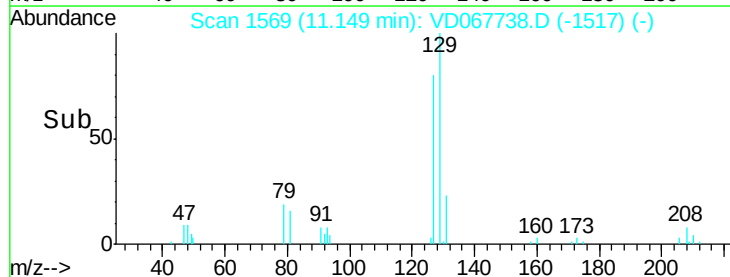
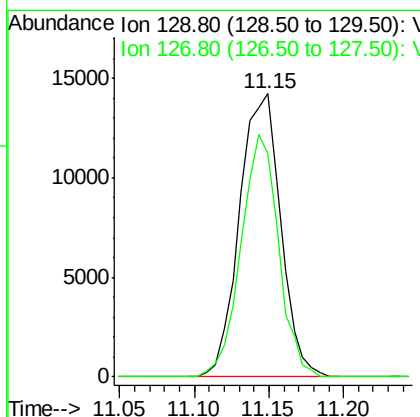
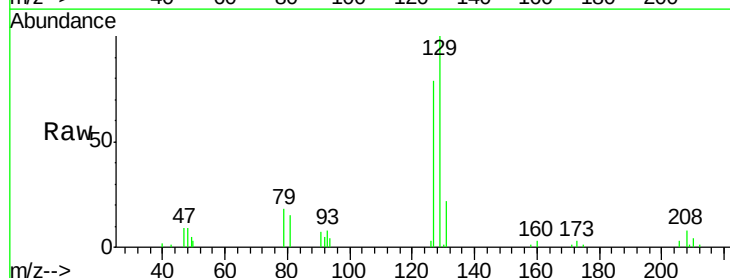
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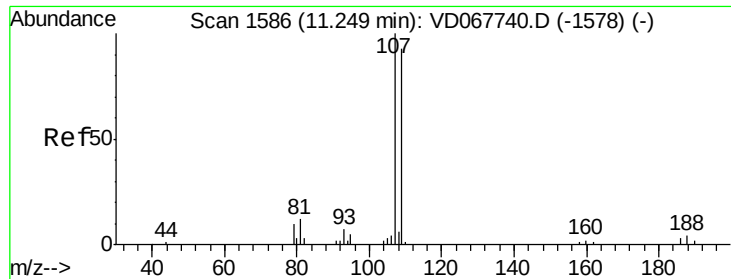
MMDadoda
11/24/2020 2:56:27 PM



#60
Dibromochloromethane
Concen: 10.820 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tgt Ion: 129 Resp: 27251
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.7





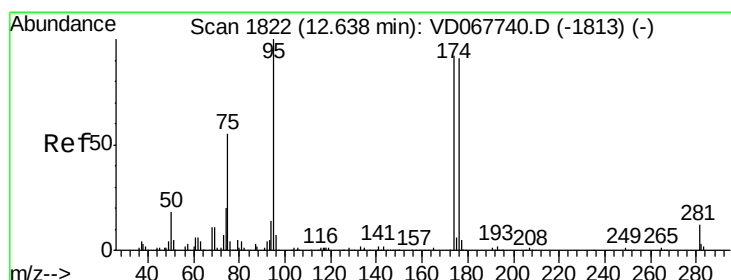
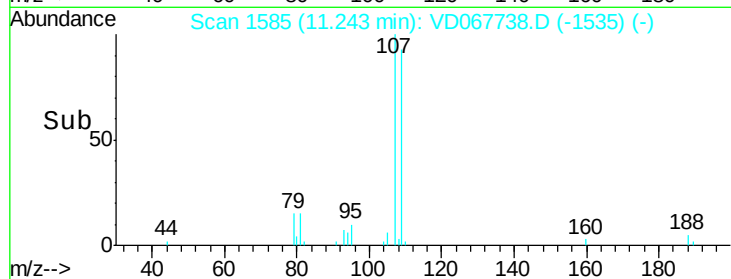
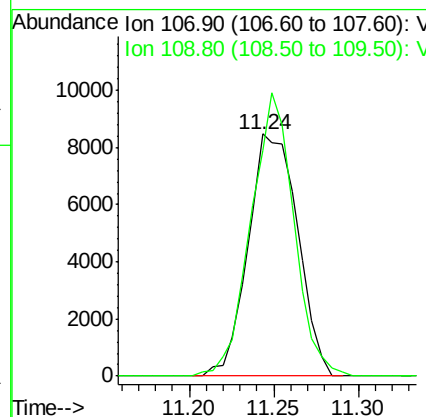
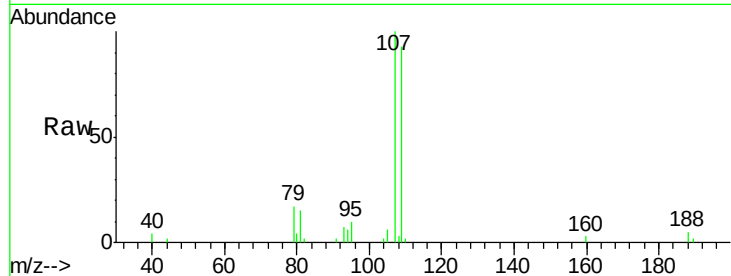
#61
 1,2-Dibromoethane
 Concen: 10.575 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 17277
 Ion Ratio Lower Upper
 107 100
 109 101.6 75.1 112.7

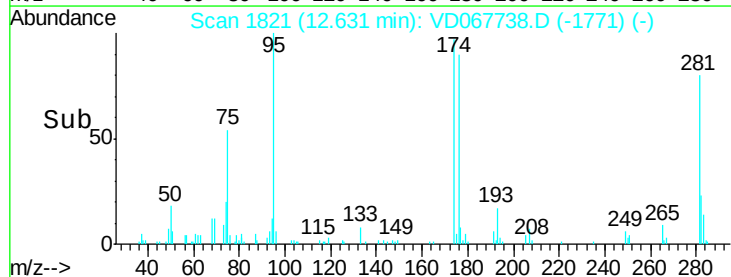
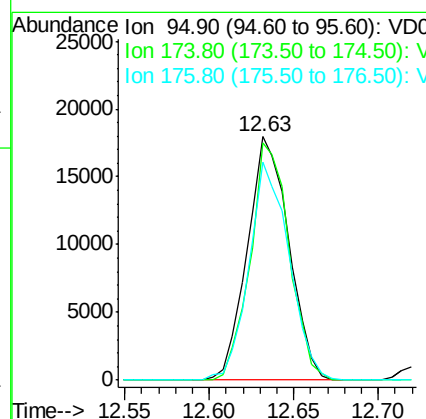
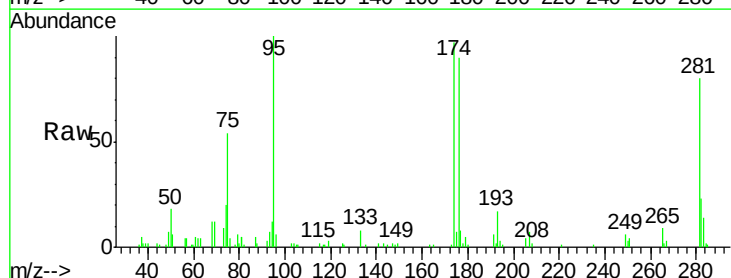
Manual Integrations
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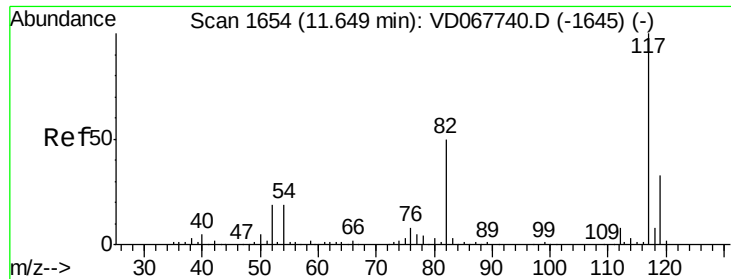
MMDadoda
 11/24/2020 2:56:27 PM



#62
 4-Bromofluorobenzene
 Concen: 10.299 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Tgt Ion: 95 Resp: 30690
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 182.4
 176 86.6 0.0 178.2





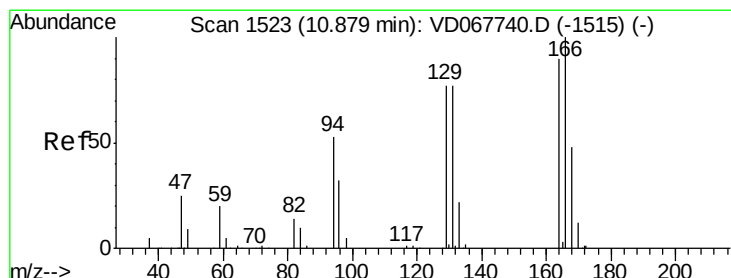
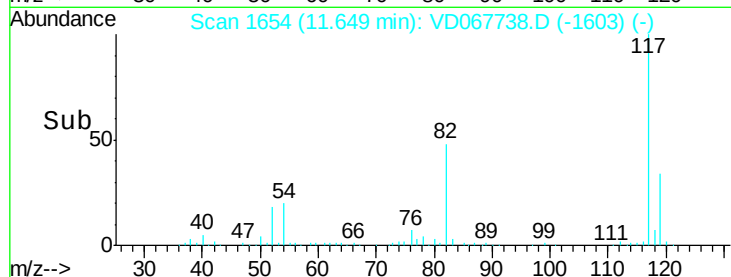
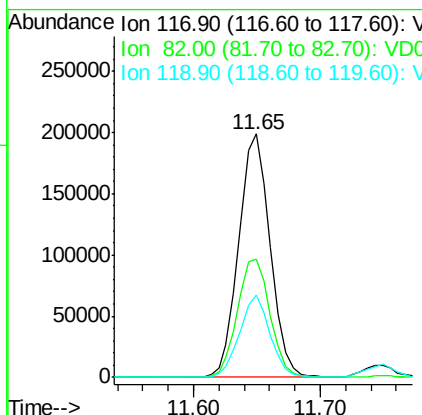
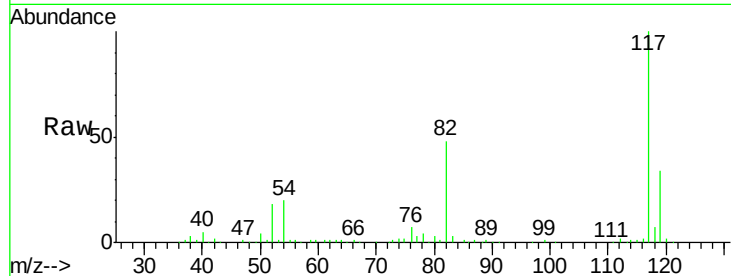
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.4	40.2	60.4
119	33.9	26.5	39.7

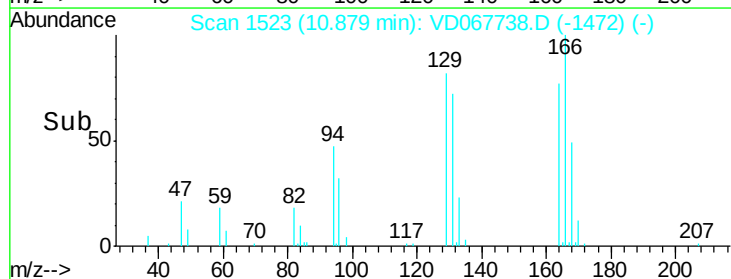
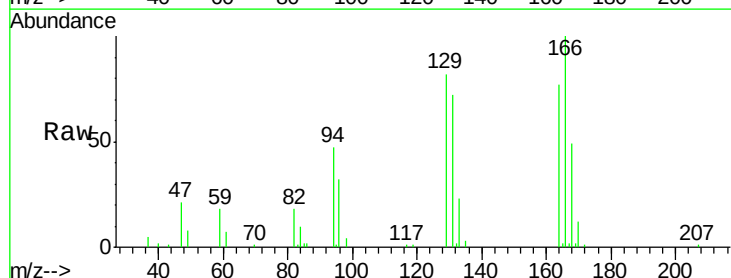
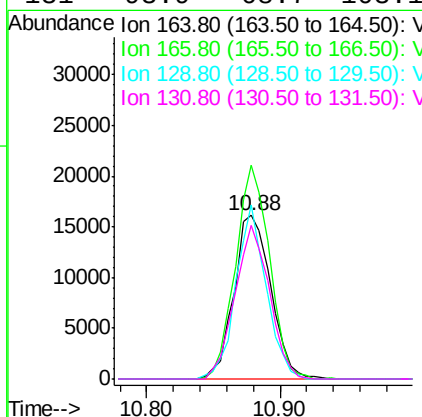
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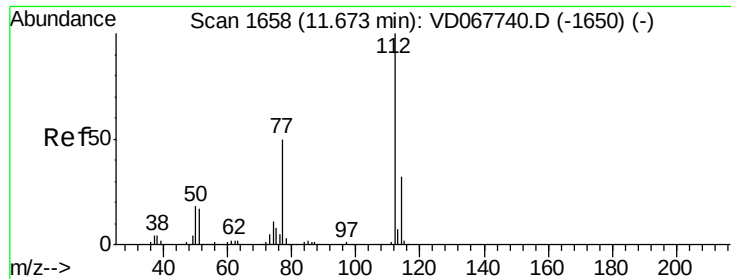
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#64
Tetrachloroethene
Concen: 11.496 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	89.2	133.8
129	106.5	68.4	102.6
131	93.9	68.7	103.1





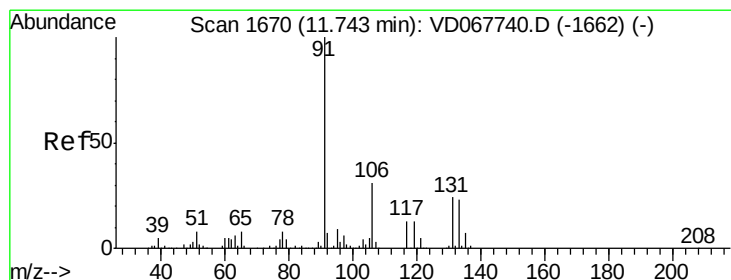
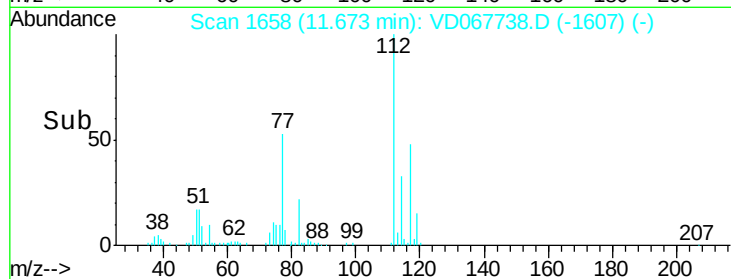
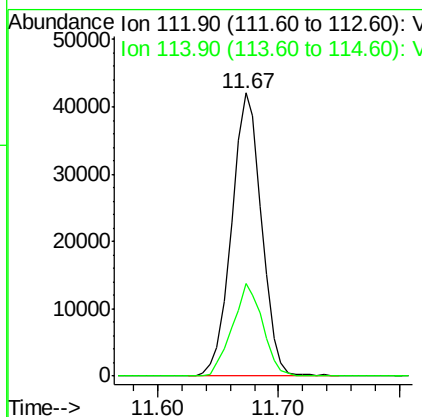
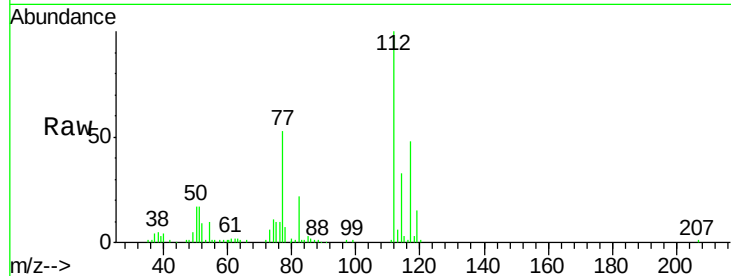
#65
Chlorobenzene
Concen: 10.715 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 72617
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.8

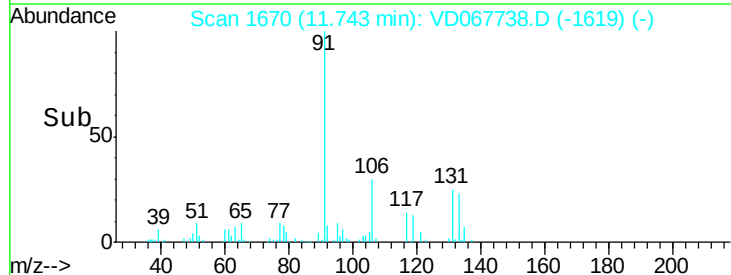
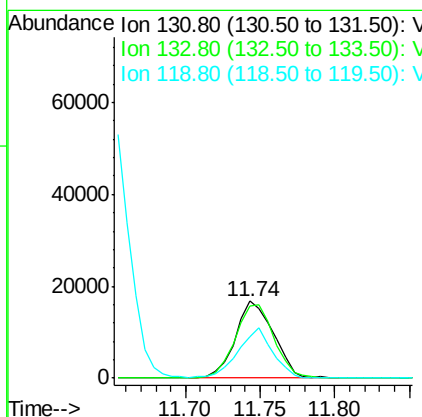
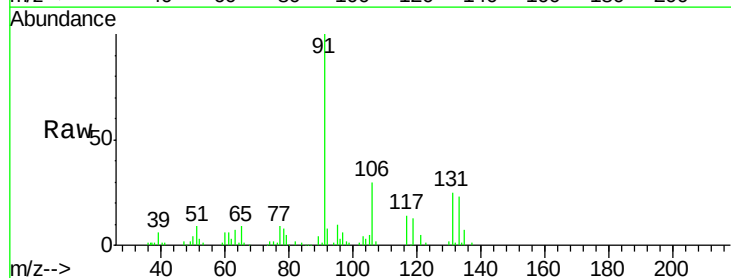
Manual Integrations
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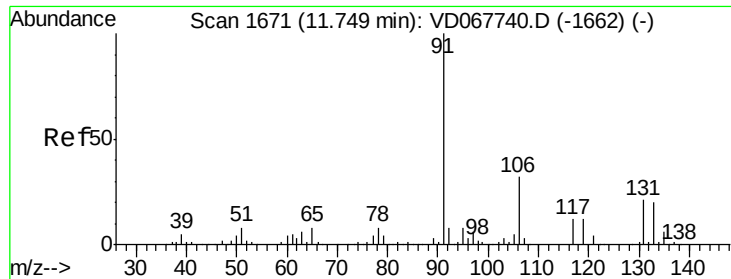
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.938 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tgt Ion:131 Resp: 29698
Ion Ratio Lower Upper
131 100
133 97.5 49.0 147.0
119 59.1 28.8 86.5





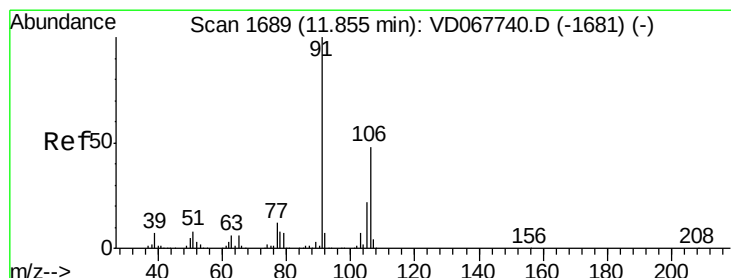
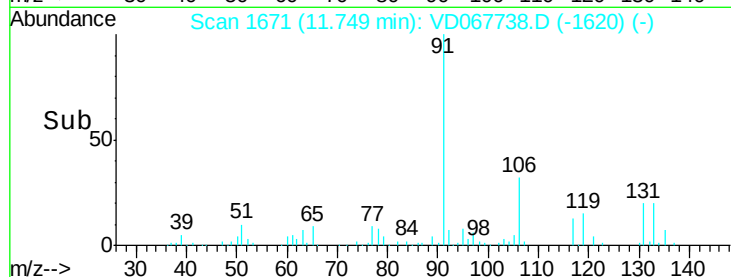
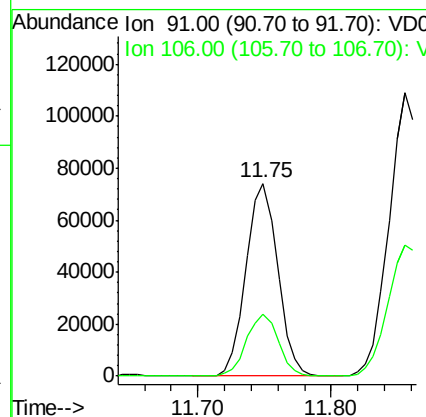
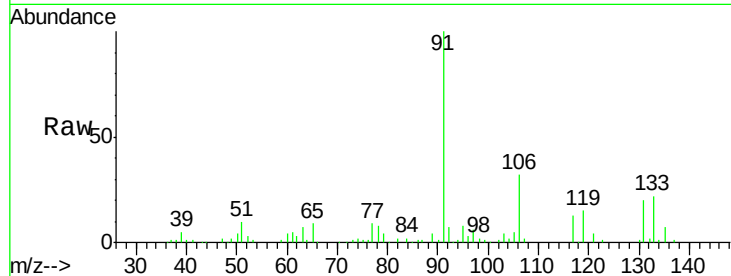
#67
Ethyl Benzene
Concen: 10.508 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 122241
Ion Ratio Lower Upper
91 100
106 32.2 25.7 38.5

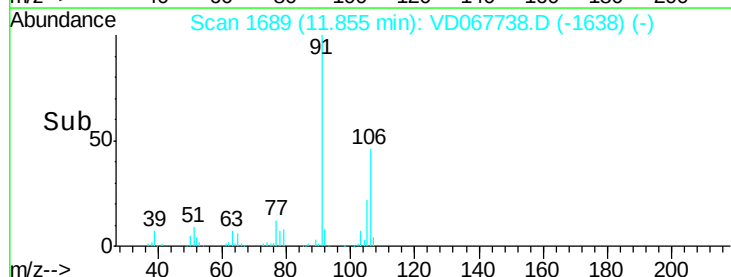
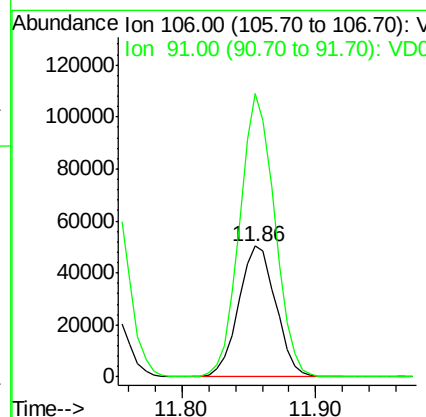
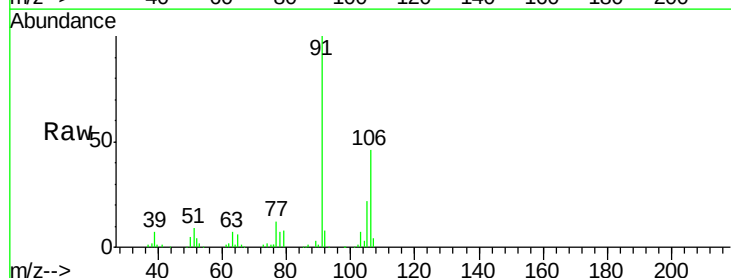
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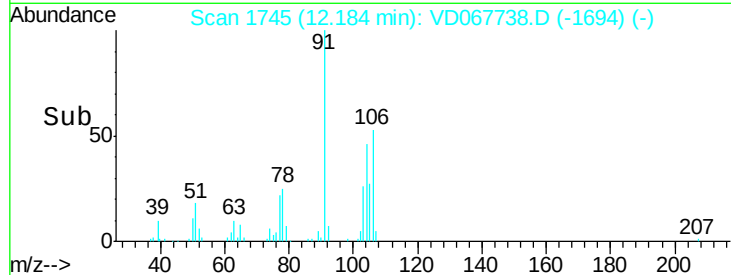
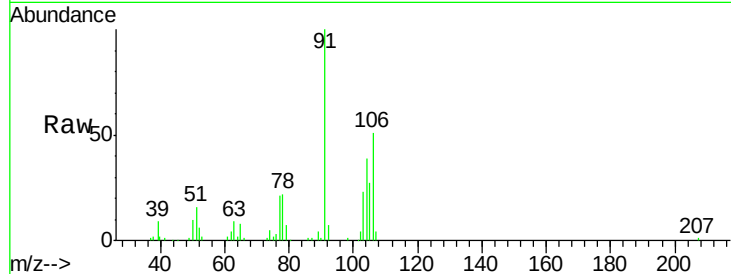
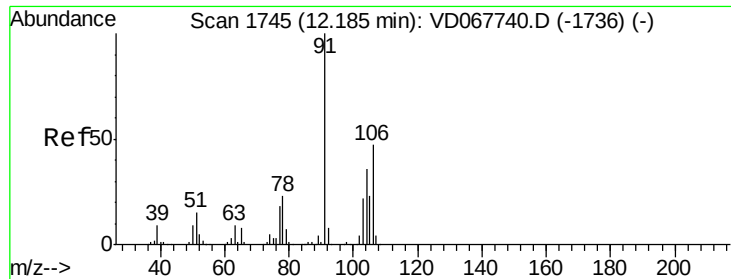
MMDadoda
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#68
m/p-Xylenes
Concen: 21.300 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tgt Ion: 106 Resp: 96888
Ion Ratio Lower Upper
106 100
91 203.8 163.0 244.6





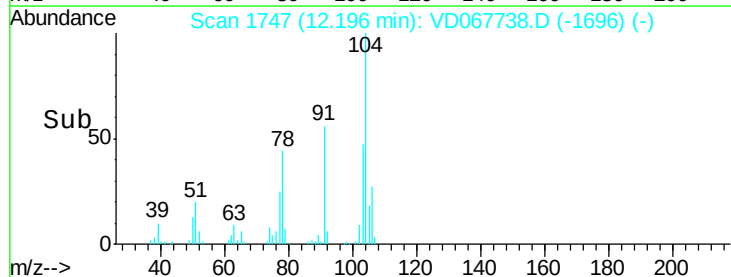
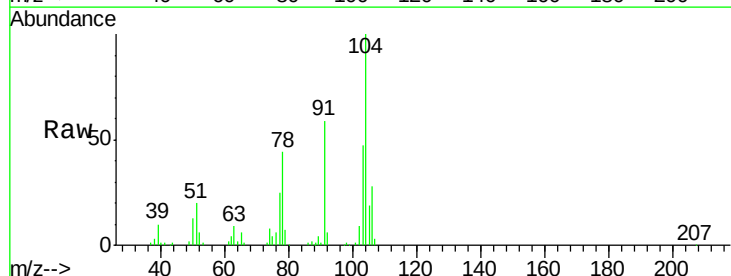
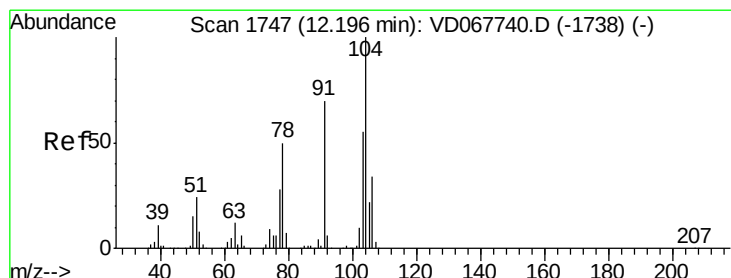
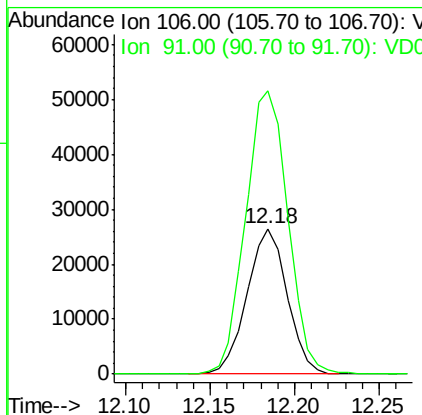
#69
o-Xylene
Concen: 10.559 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tot Ion:106 Resp: 43673
Ion Ratio Lower Upper
106 100
91 206.3 106.2 318.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

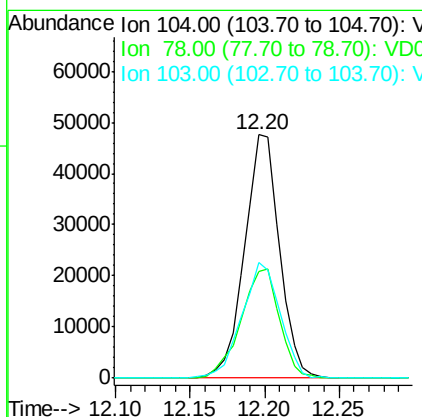
Manual Integrations
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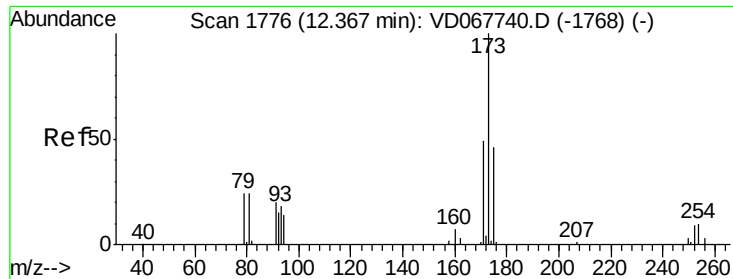
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#70
Styrene
Concen: 10.753 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tgt Ion:104 Resp: 76828
Ion Ratio Lower Upper
104 100
78 49.6 41.9 62.9
103 52.2 44.1 66.1





#71

Bromoform

Concen: 11.226 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

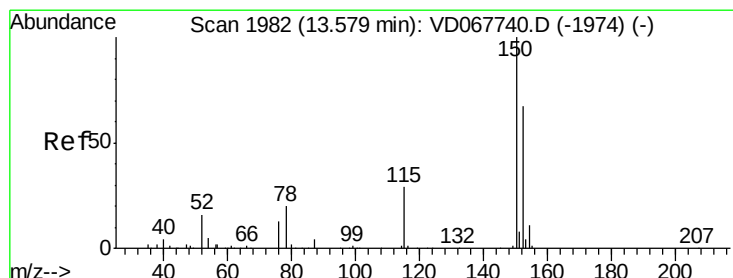
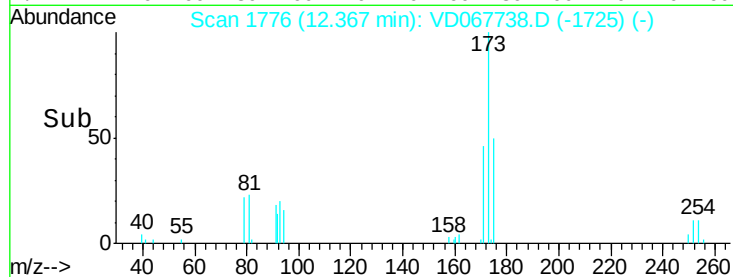
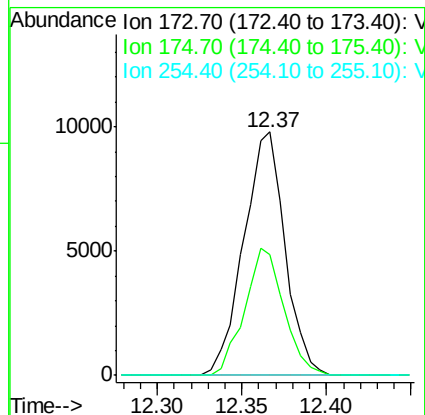
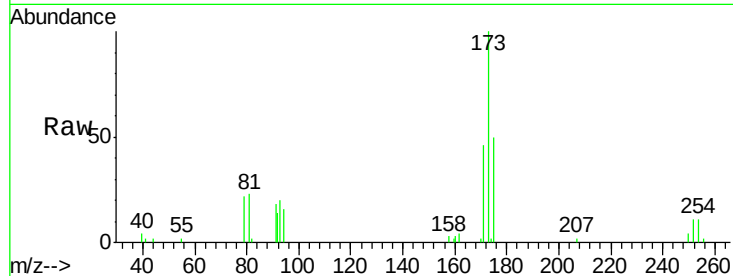
ClientSampleId :

VSTDIC010

Tot Ion:	173	Resp:	16594
Ion Ratio	Lower	Upper	
173	100		
175	49.8	23.9	71.7
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

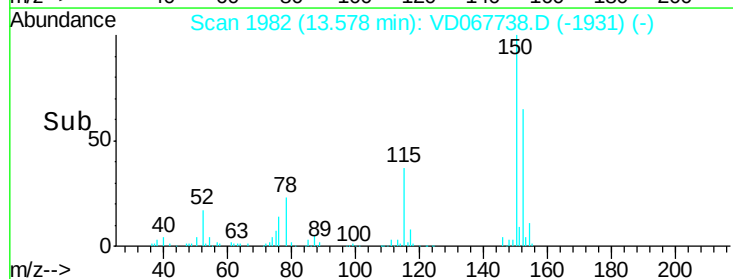
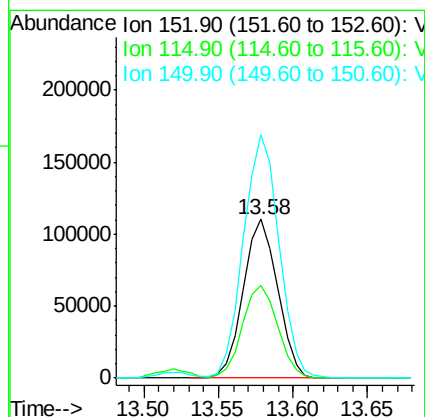
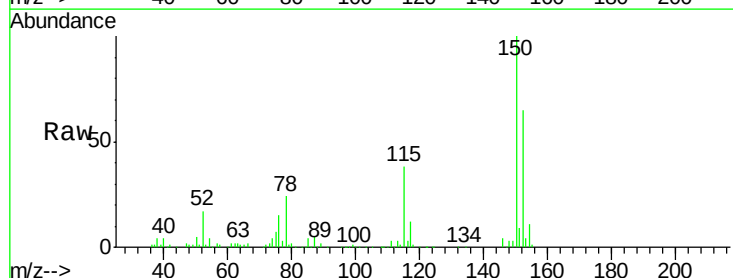
RT: 13.58 min Scan# 1982

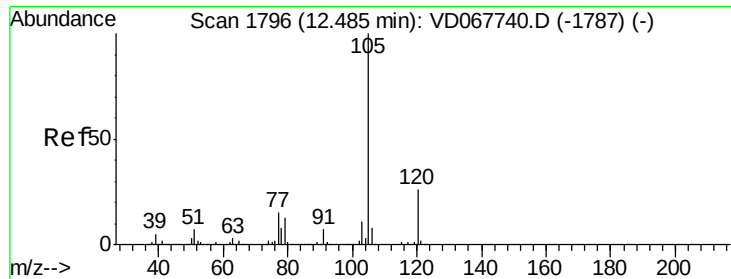
Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Tgt Ion:	152	Resp:	176173
Ion Ratio	Lower	Upper	
152	100		
115	59.7	29.4	88.3
150	159.0	0.0	340.6





#73

Isopropylbenzene

Concen: 10.231 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 120912

Ion Ratio Lower Upper

105 100

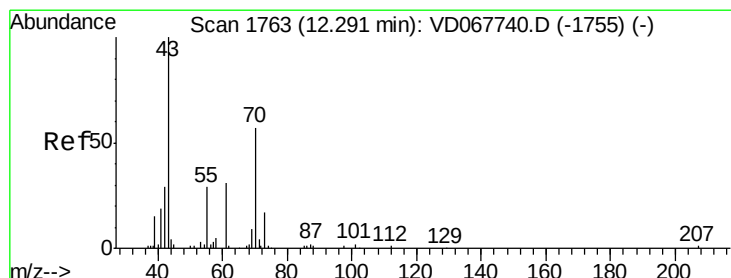
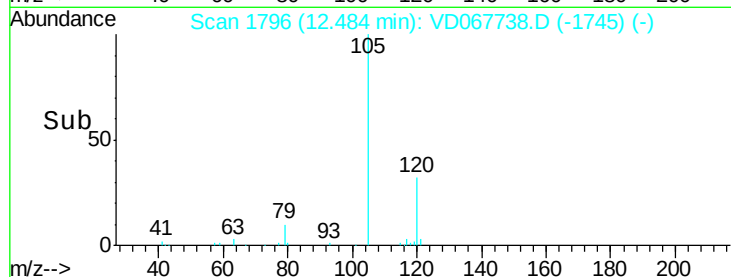
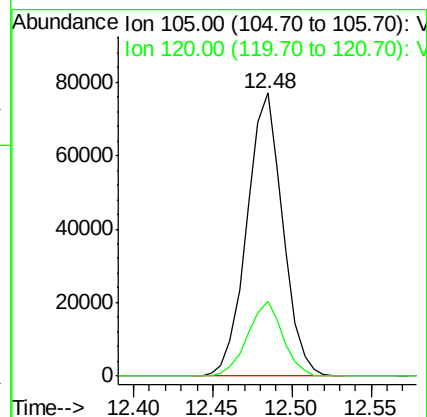
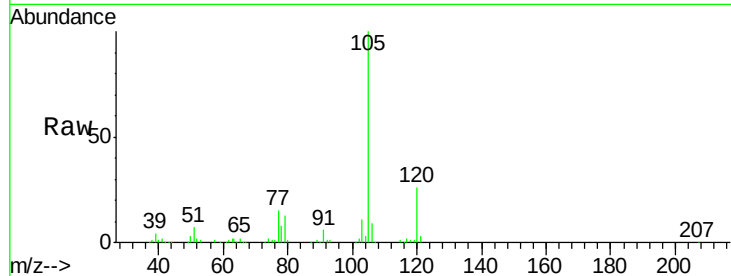
120 25.9 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 10.312 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Tgt Ion: 43 Resp: 15788

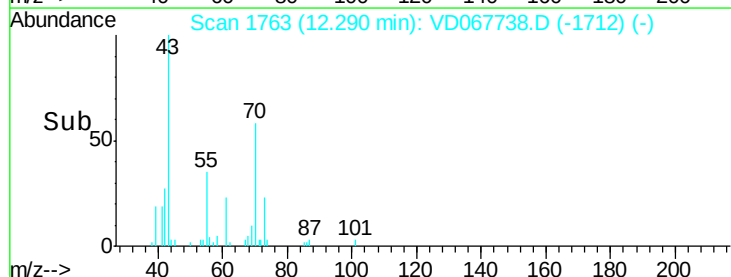
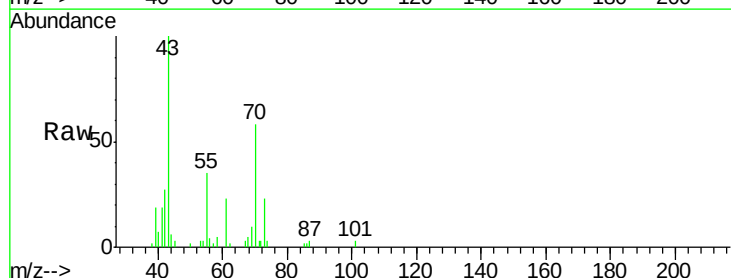
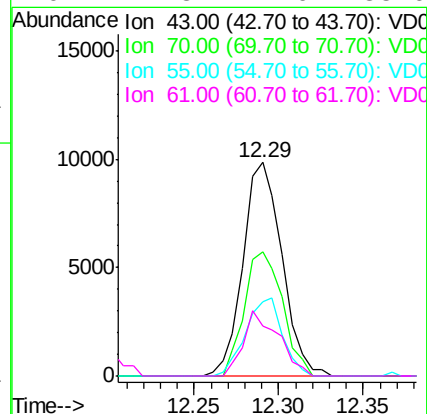
Ion Ratio Lower Upper

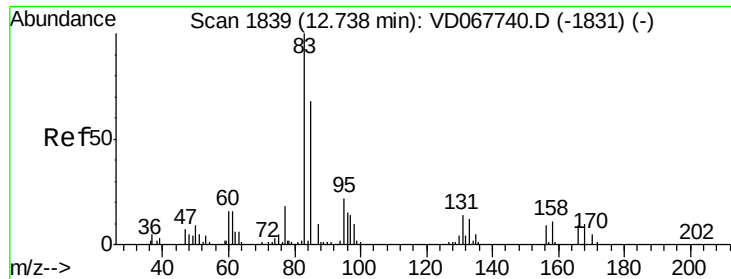
43 100

70 57.1 44.6 66.8

55 34.5 24.2 36.2

61 27.3 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 11.181 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

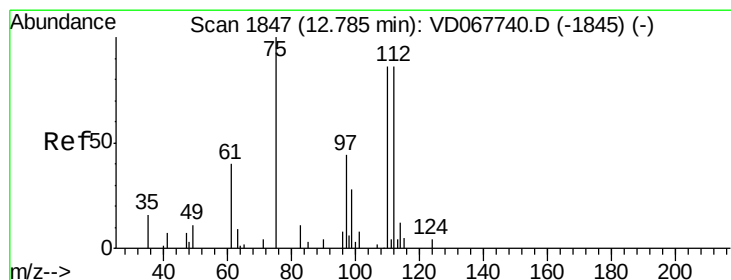
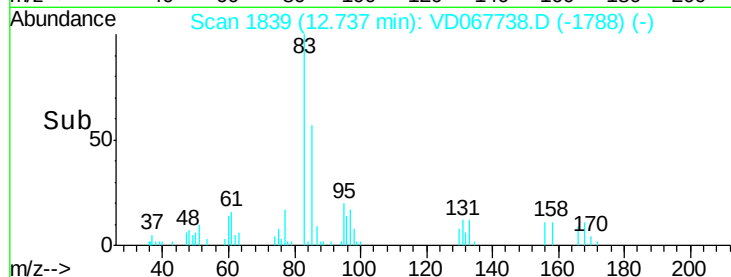
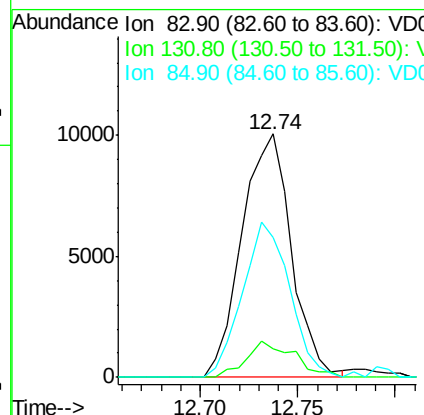
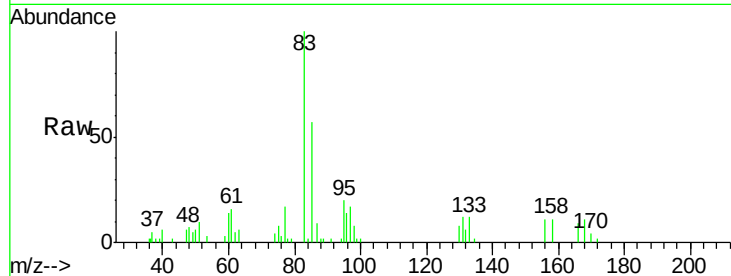
ClientSampleId :

VSTDIC010

Tot Ion	83	Resp	17610
Ion Ratio	100	Lower	Upper
83	100		
131	14.5	8.1	24.1
85	61.0	33.9	101.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 9.000 ug/l m

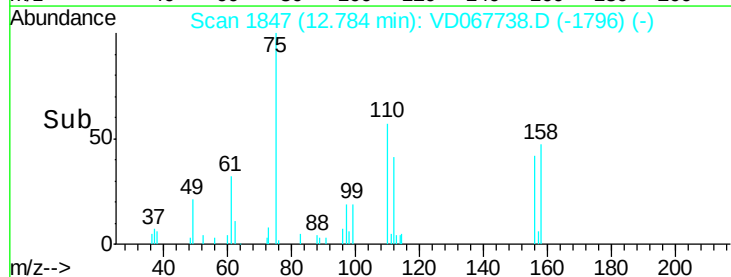
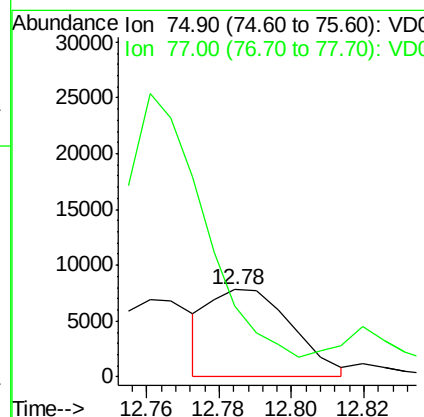
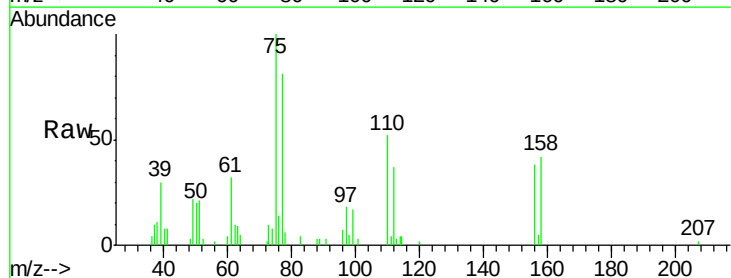
RT: 12.78 min Scan# 1847

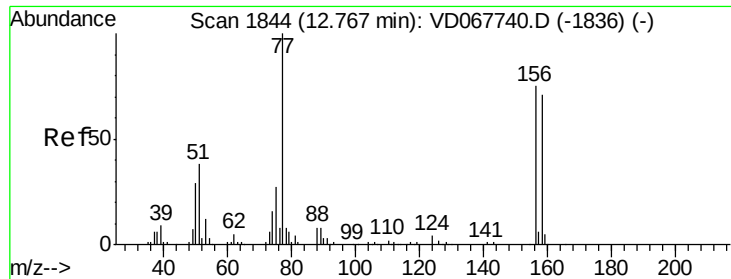
Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Tgt Ion	75	Resp	12357
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 10.493 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

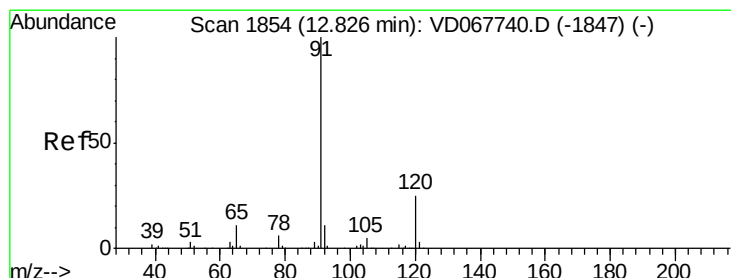
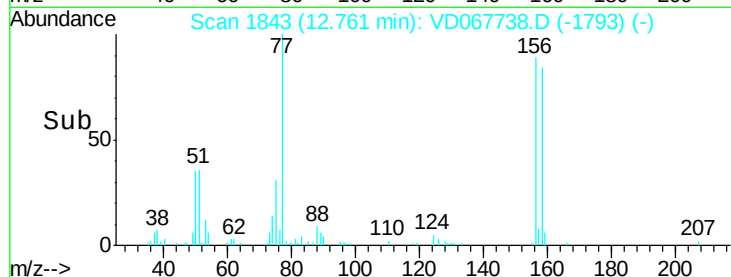
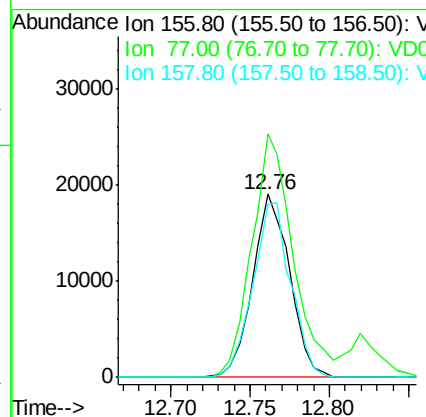
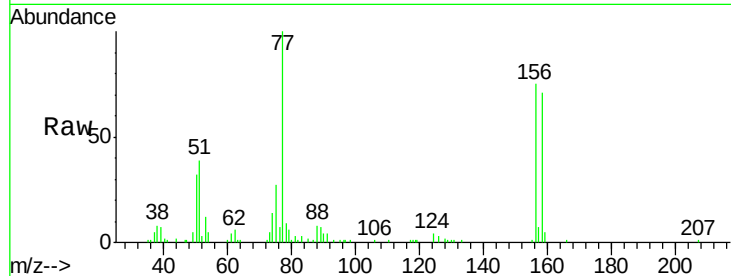
ClientSampleId :

VSTDIC010

Tot Ion:	156	Resp:	30877
Ion	Ratio	Lower	Upper
156	100		
77	148.6	73.5	220.3
158	98.1	48.1	144.4

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#78

n-propylbenzene

Concen: 10.319 ug/l

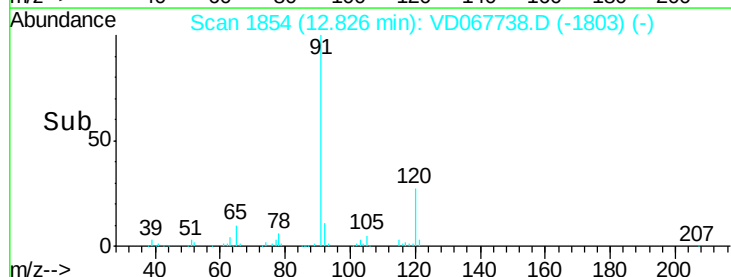
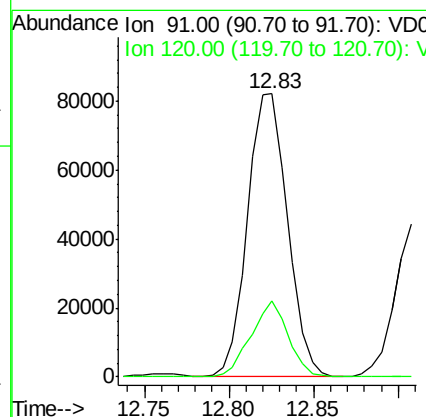
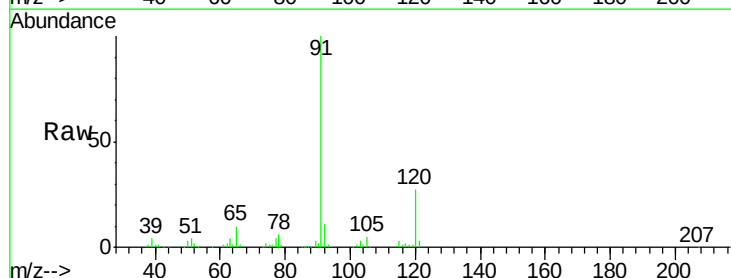
RT: 12.83 min Scan# 1854

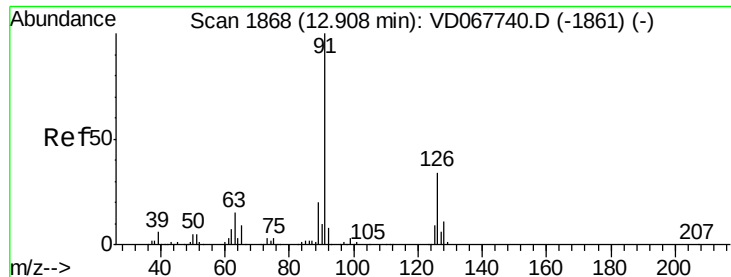
Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Tgt Ion:	91	Resp:	135253
Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.4	37.4





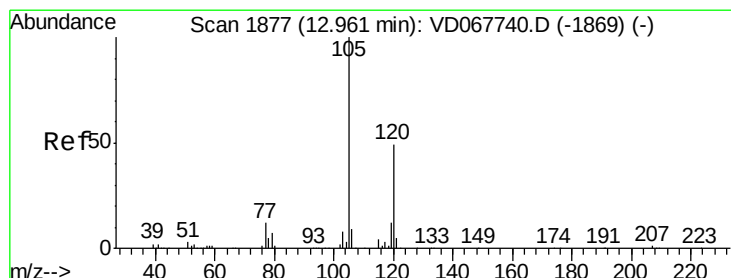
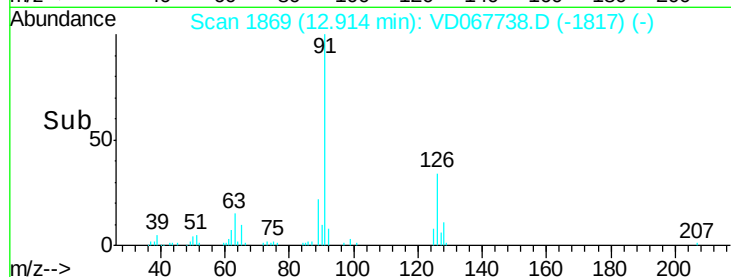
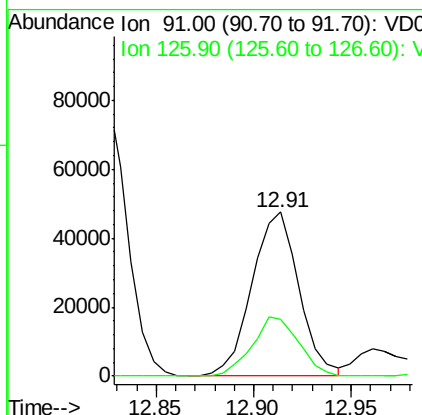
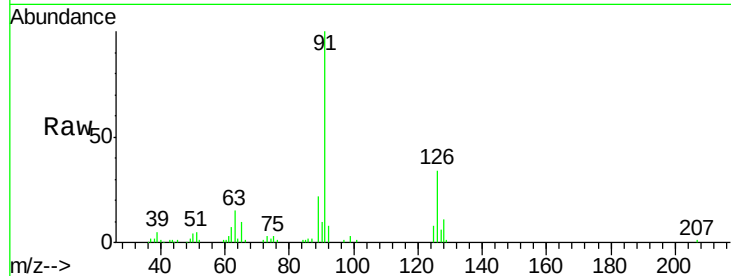
#79
 2-Chlorotoluene
 Concen: 10.352 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 79826
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.9 53.7

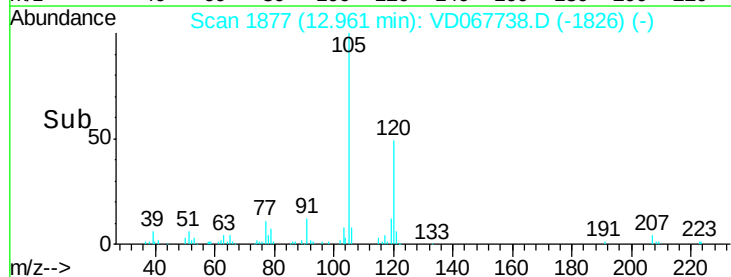
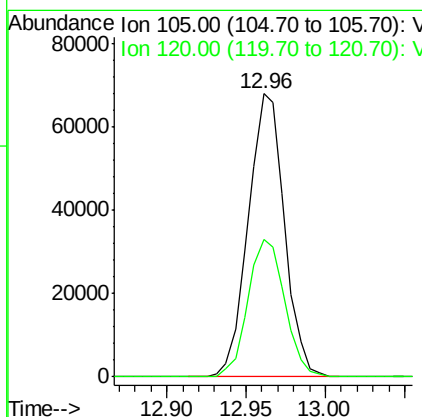
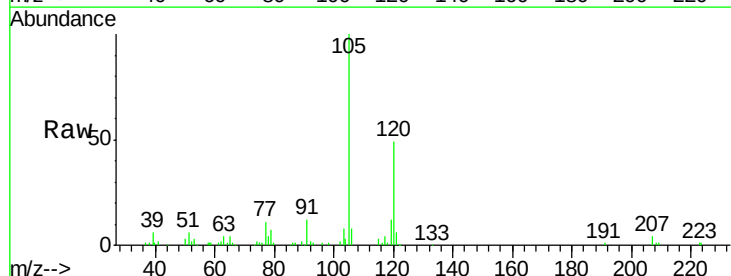
Manual Integrations
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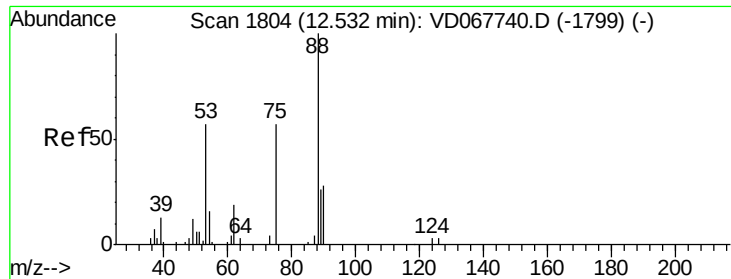
MMDadoda
 11/24/2020 2:56:27 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 10.393 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Tgt Ion: 105 Resp: 107815
 Ion Ratio Lower Upper
 105 100
 120 49.7 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 11.174 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

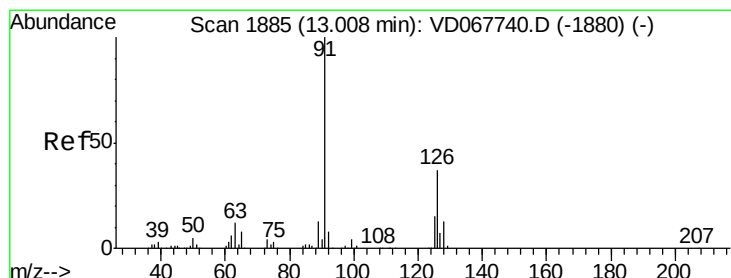
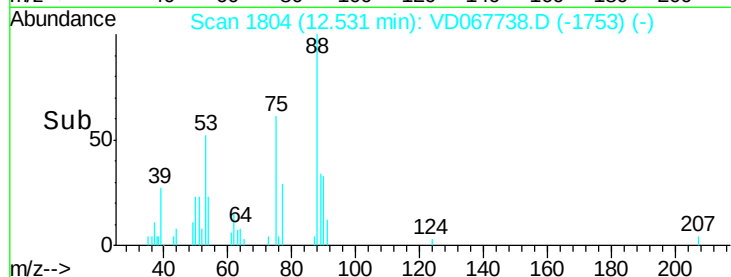
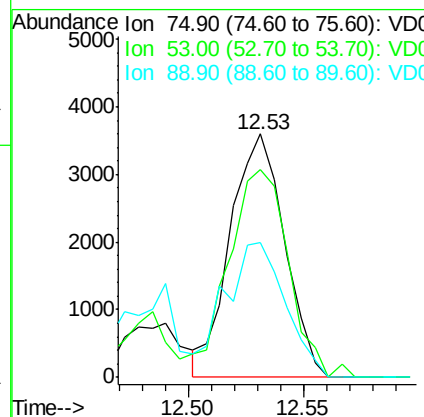
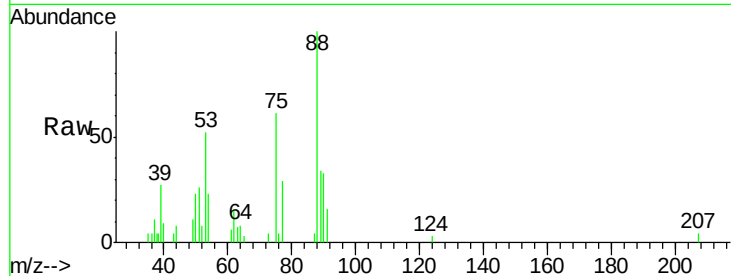
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.7	76.0	114.0
89	61.8	40.2	60.4

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#82

4-Chlorotoluene

Concen: 10.758 ug/l

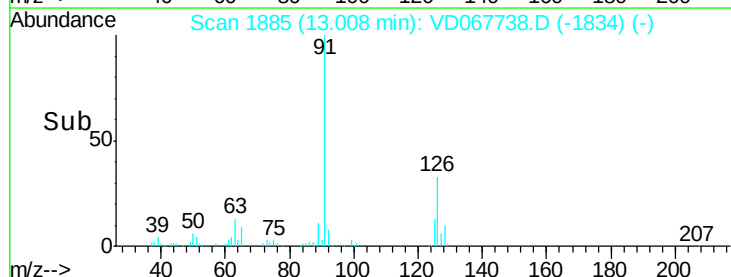
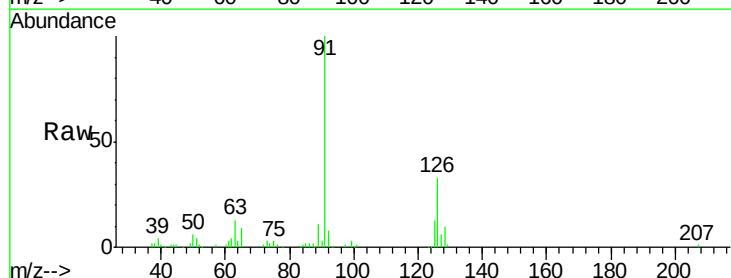
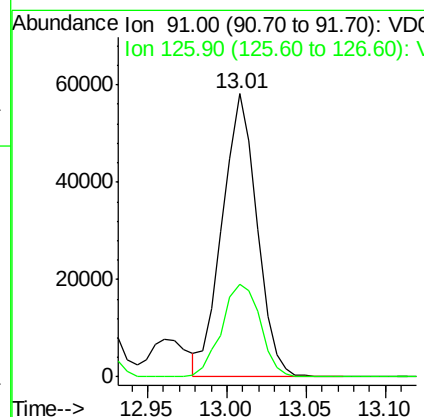
RT: 13.01 min Scan# 1885

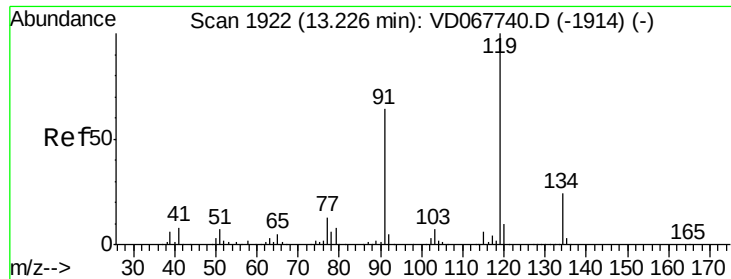
Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.7	53.1





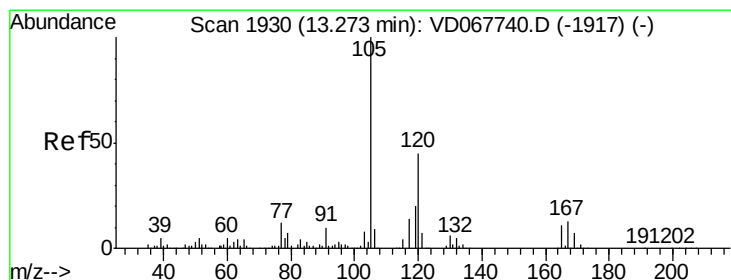
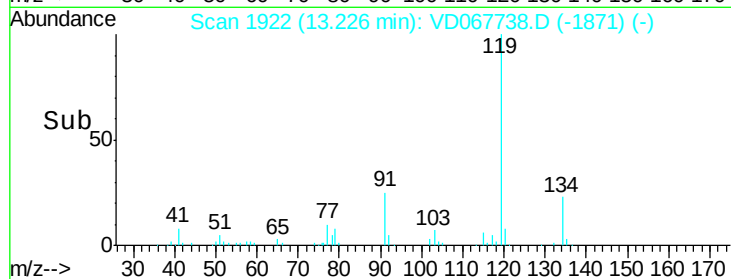
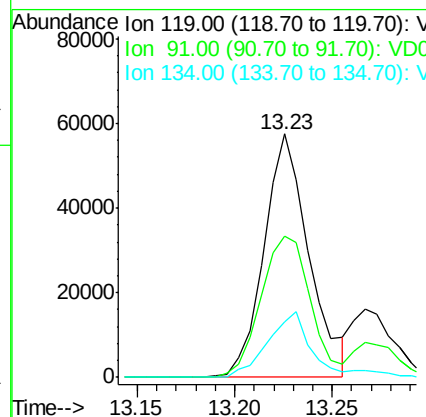
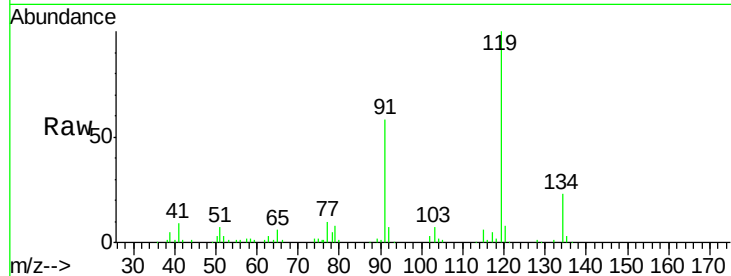
#83
 tert-Butylbenzene
 Concen: 10.474 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.9	98.7
134	27.2	12.9	38.6

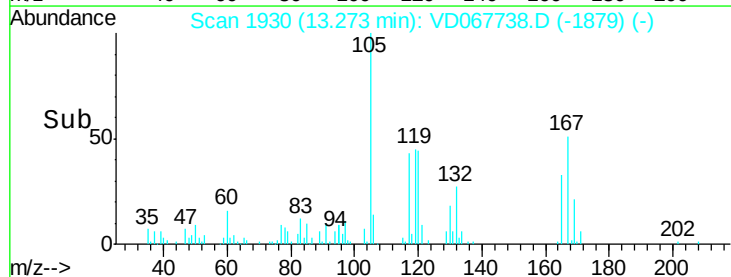
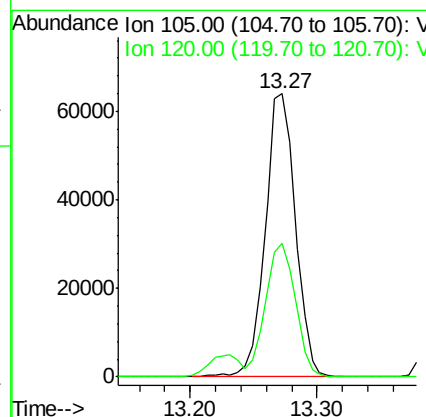
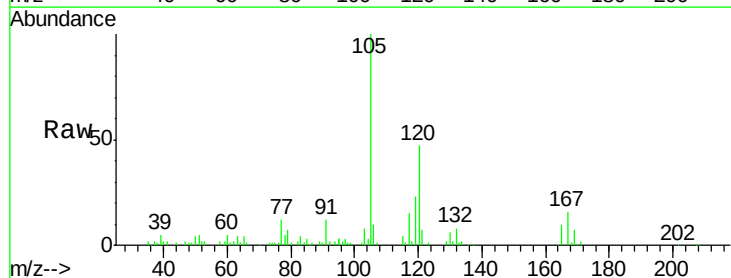
Manual Integrations
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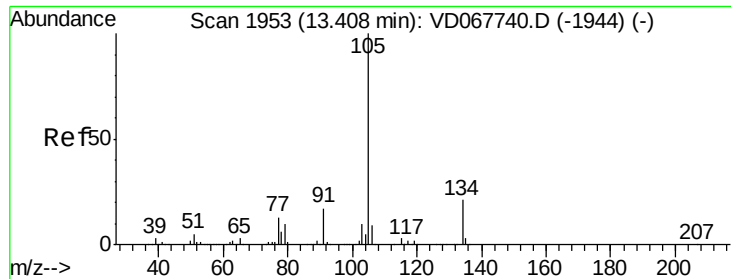
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#84
 1,2,4-Trimethylbenzene
 Concen: 10.371 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	22.6	67.7





#85

sec-Butylbenzene

Concen: 10.495 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 121158

Ion Ratio Lower Upper

105 100

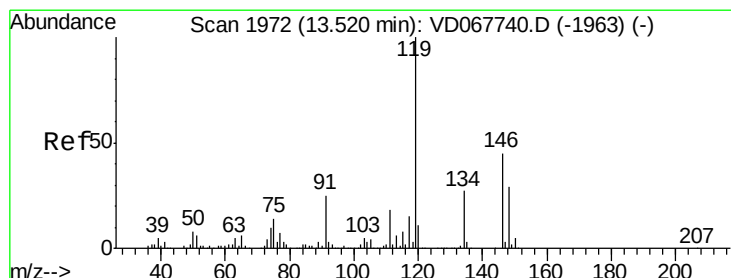
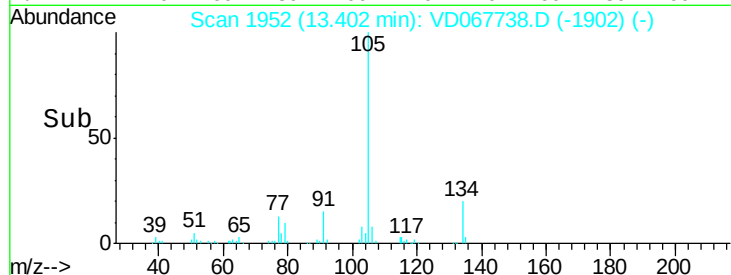
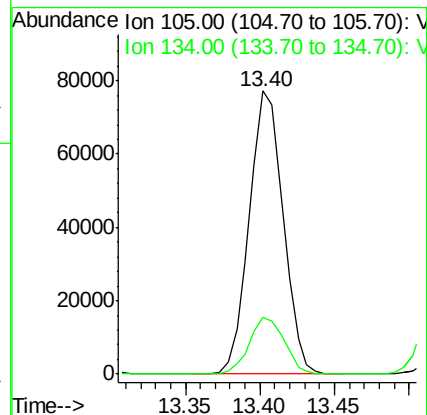
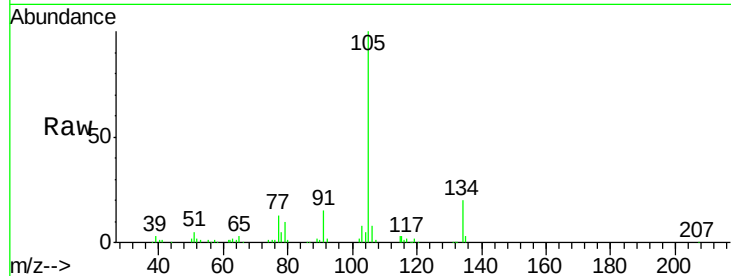
134 20.8 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 10.526 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

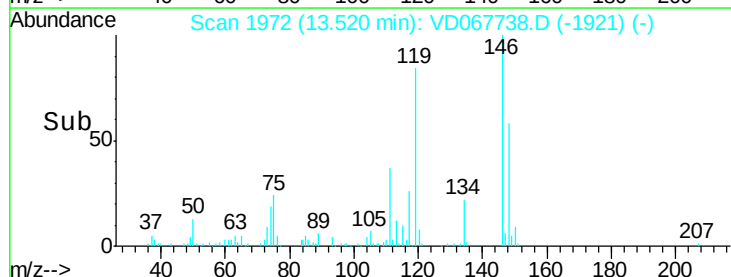
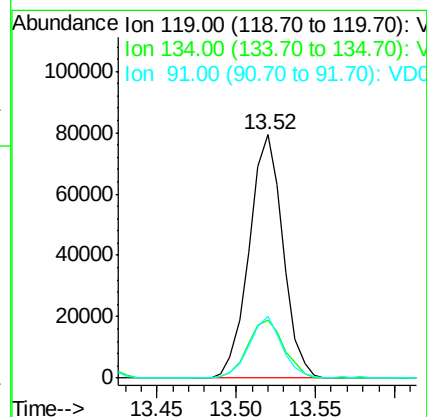
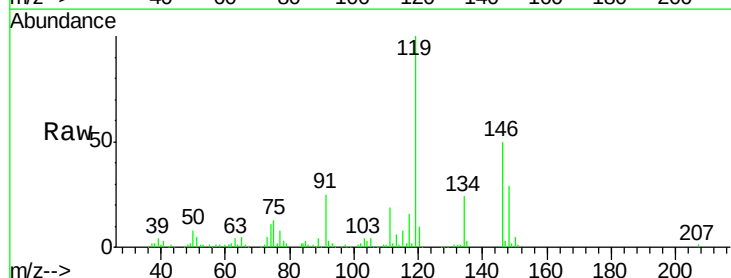
Tgt Ion:119 Resp: 117515

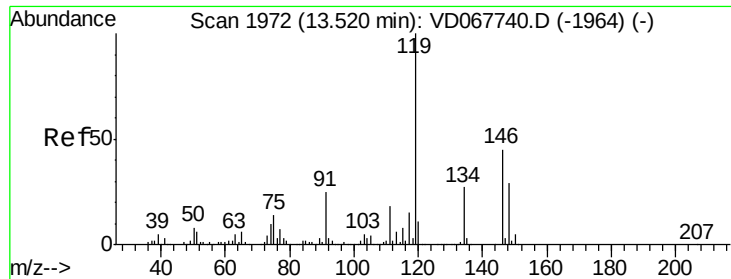
Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 24.4 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 10.928 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067738.D

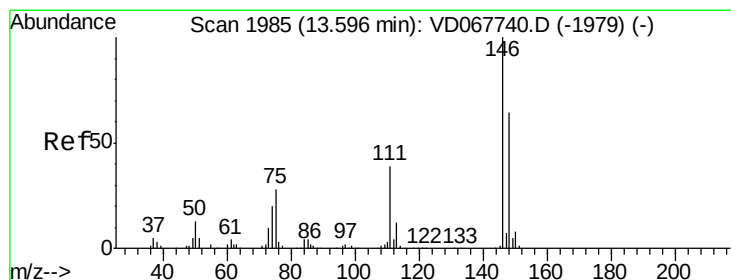
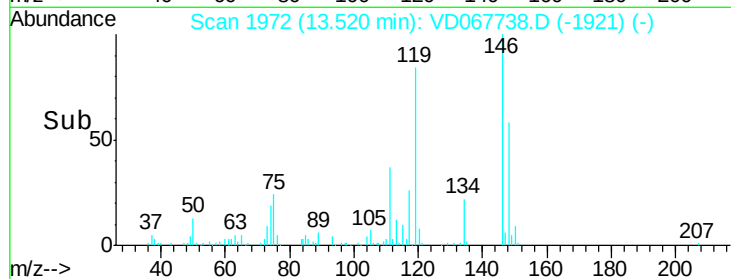
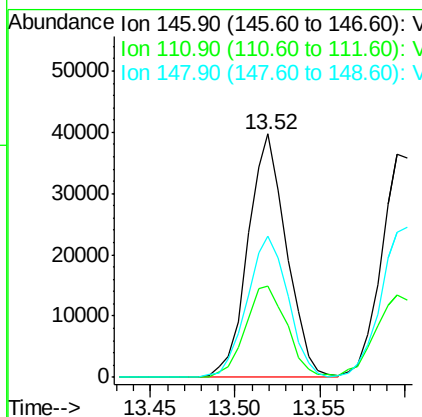
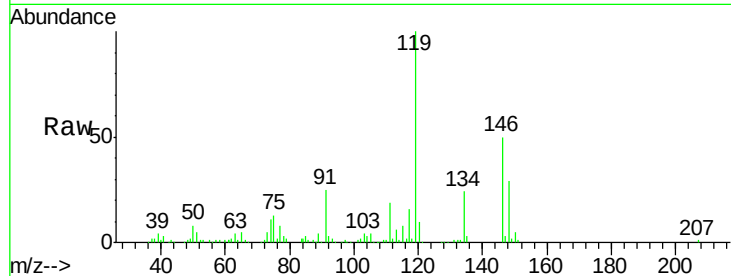
Acq: 23 Nov 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.2	60.6
148	61.7	32.5	97.4

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#88

1,4-Dichlorobenzene

Concen: 10.465 ug/l

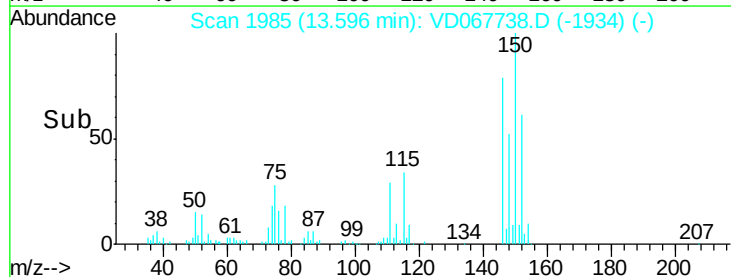
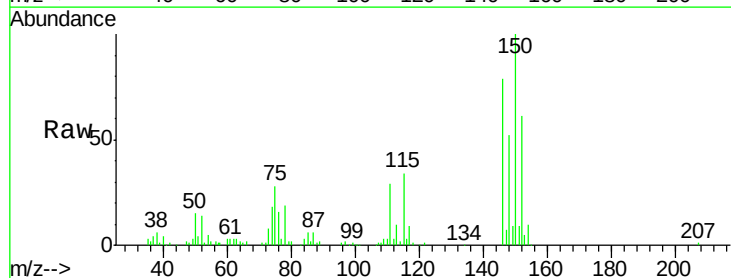
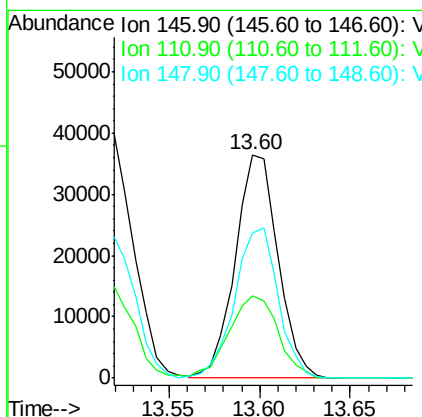
RT: 13.60 min Scan# 1985

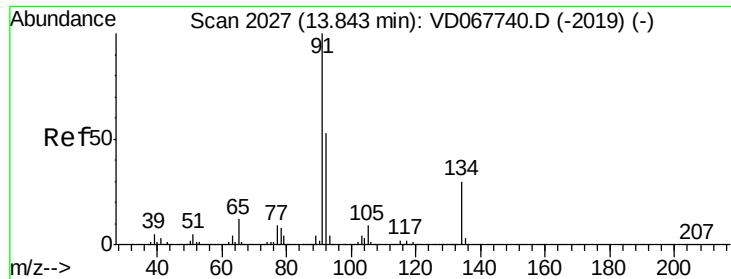
Delta R.T. -0.00 min

Lab File: VD067738.D

Acq: 23 Nov 2020 11:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.4	58.4
148	68.4	31.6	94.8





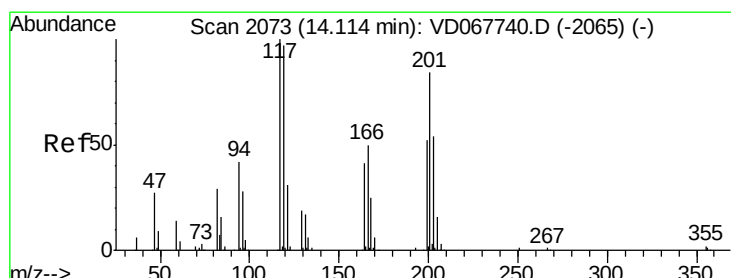
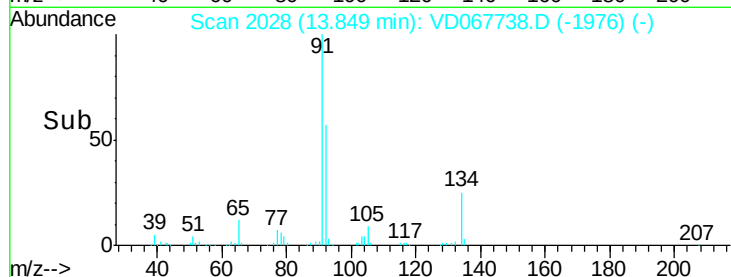
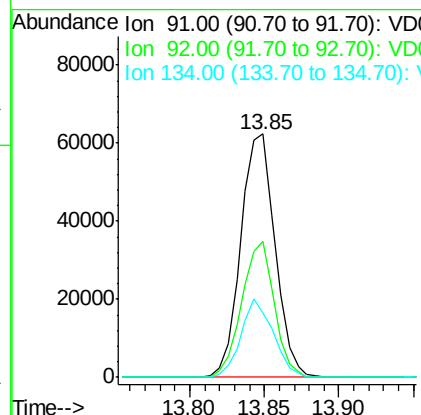
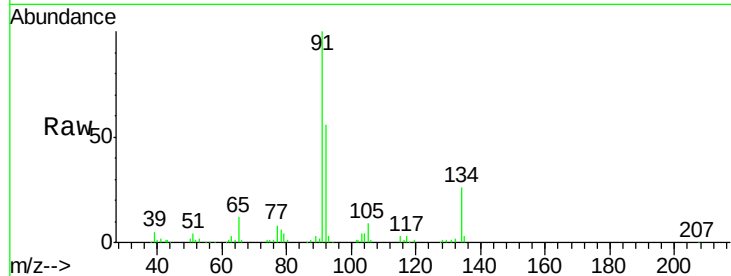
#89
n-Butylbenzene
Concen: 10.401 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	30.2	14.8	44.3

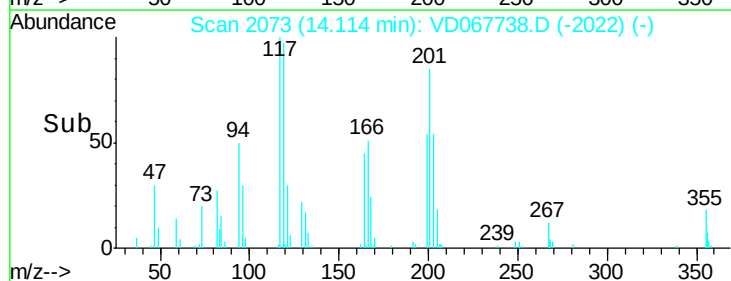
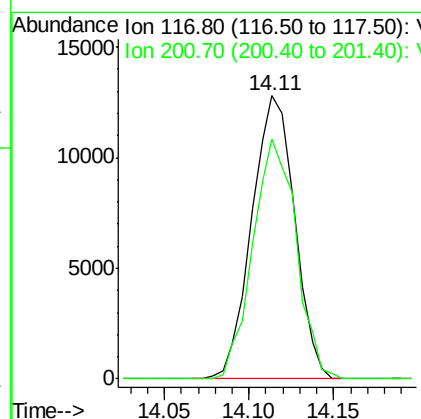
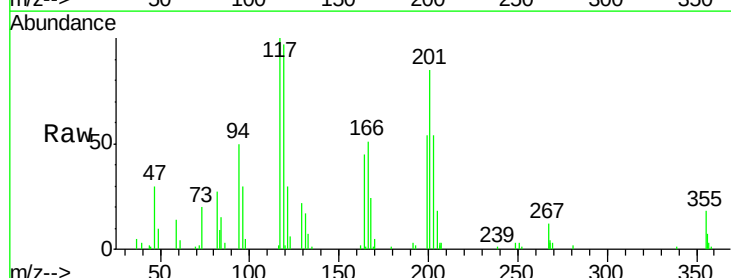
Manual Integrations
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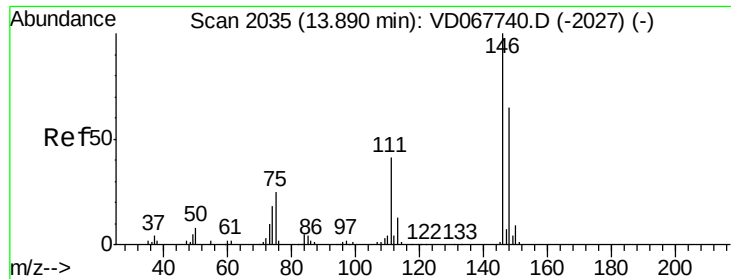
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#90
Hexachloroethane
Concen: 10.583 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	42.2	126.6





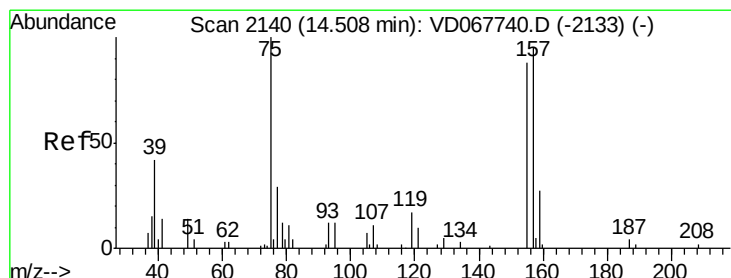
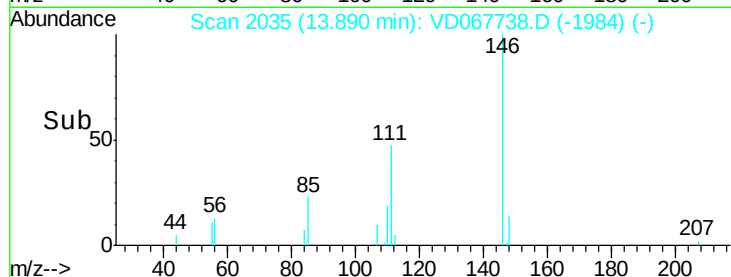
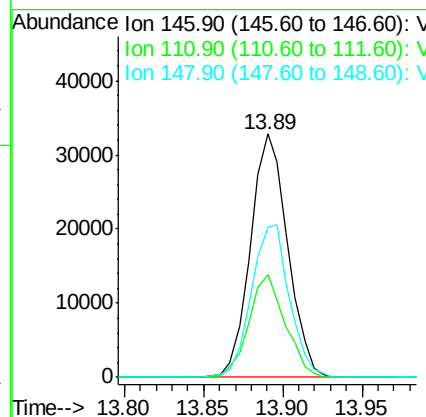
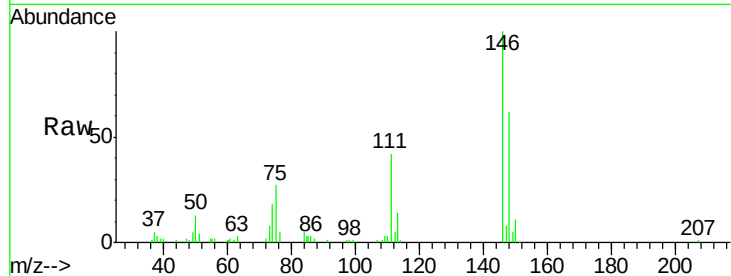
#91
 1,2-Dichlorobenzene
 Concen: 10.827 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.5
148	64.4	32.4	97.2

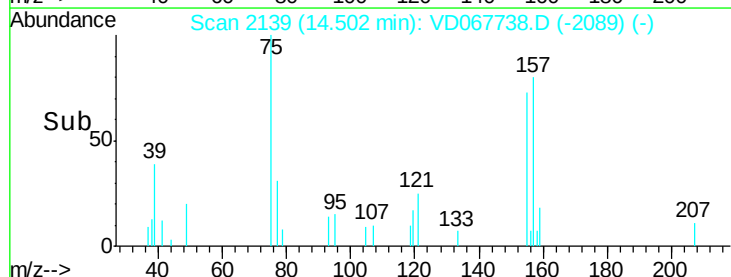
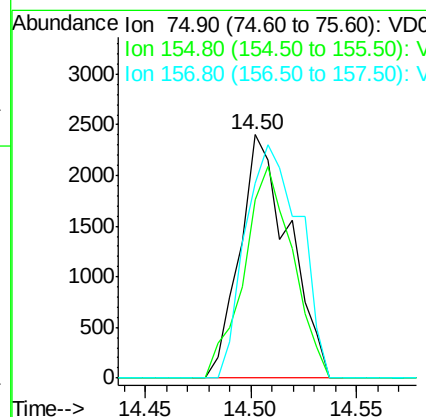
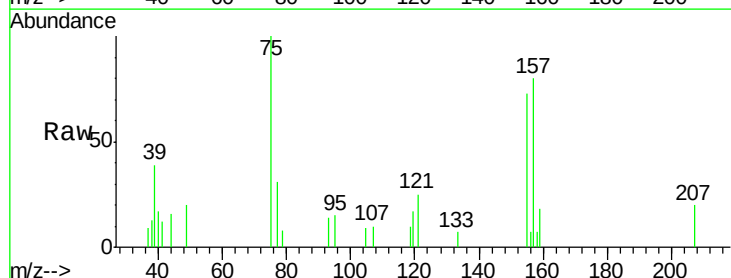
Manual Integrations
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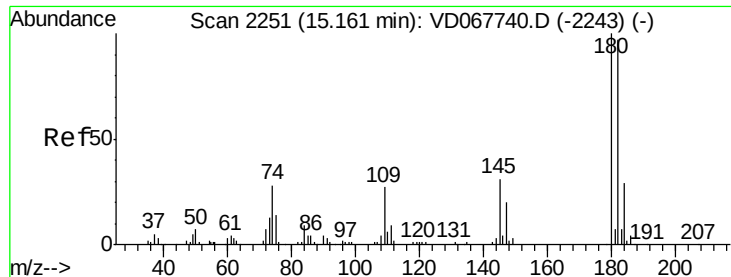
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.614 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD067738.D
 Acq: 23 Nov 2020 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	41.0	123.0
157	105.9	51.1	153.4





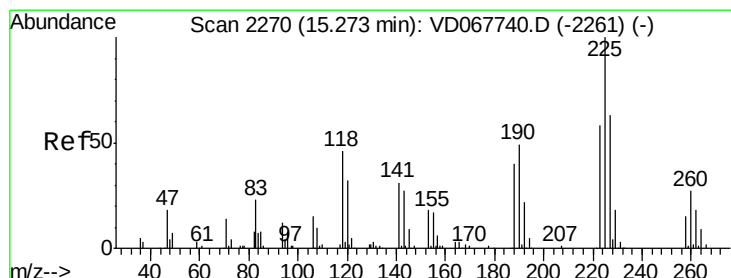
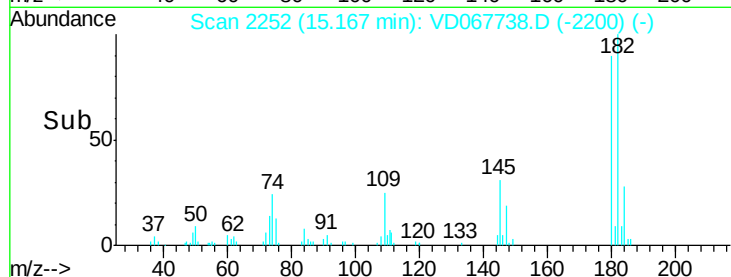
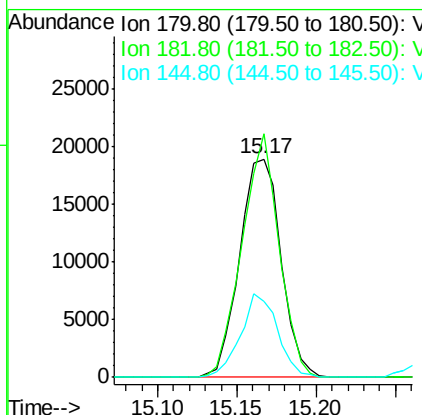
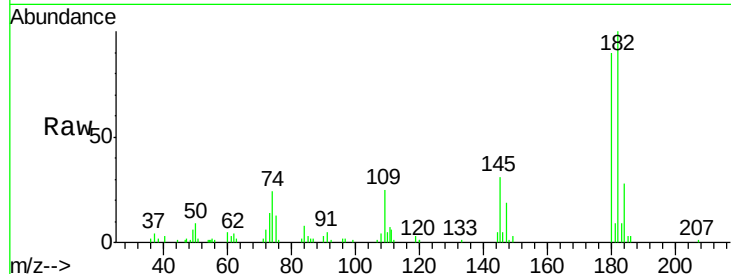
#93
1,2,4-Trichlorobenzene
Concen: 9.855 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. 0.01 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.6	47.4	142.2
145	34.2	16.1	48.3

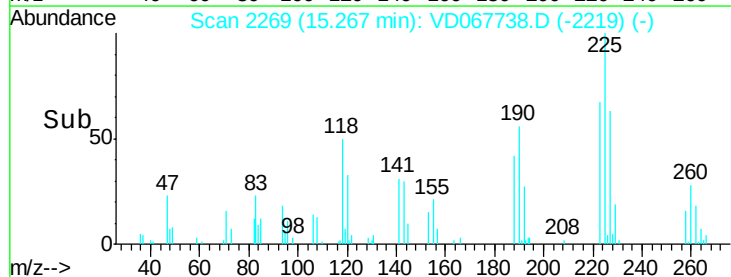
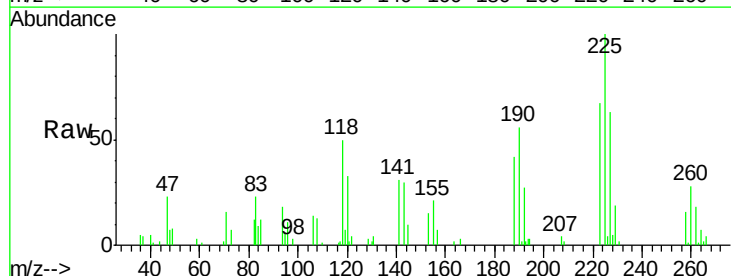
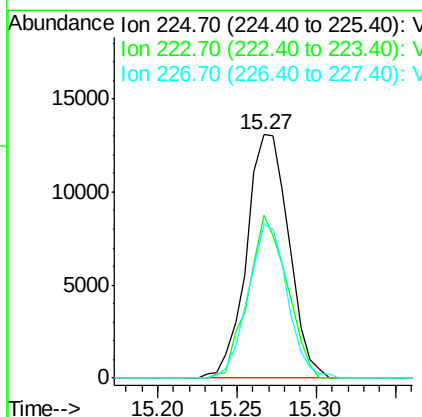
Manual Integrations
APPROVED

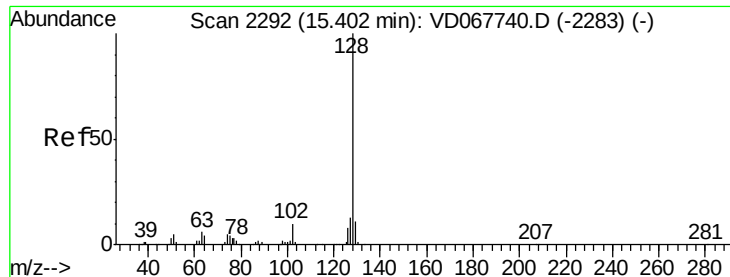
MMDadoda
11/24/2020 2:56:27 PM



#94
Hexachlorobutadiene
Concen: 10.812 ug/l
RT: 15.27 min Scan# 2269
Delta R.T. -0.01 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.5	94.5
227	59.0	32.9	98.7





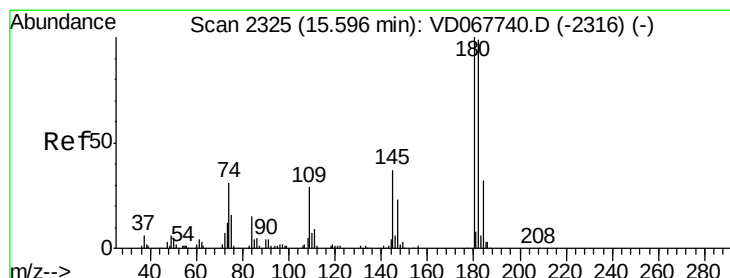
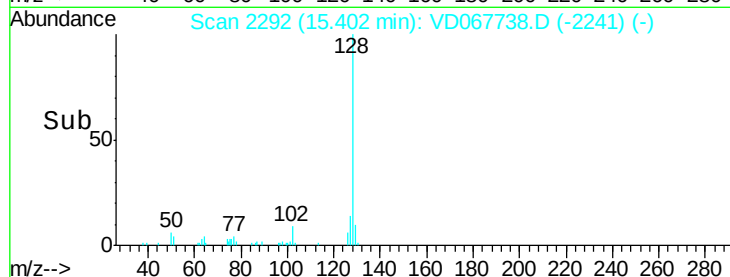
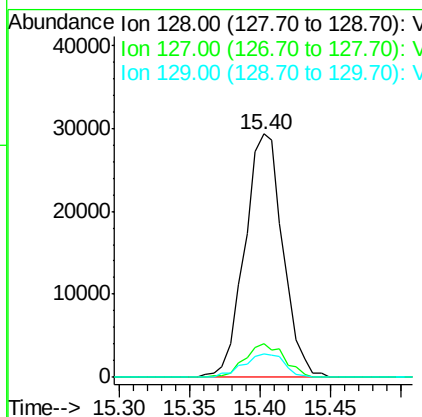
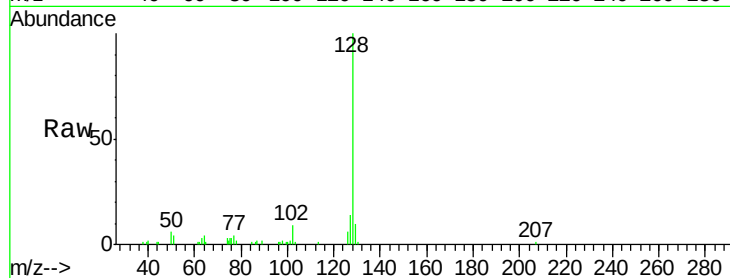
#95
Naphthalene
Concen: 9.813 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:	128	Resp:	55534
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.7	16.1
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:56:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 10.069 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VD067738.D
Acq: 23 Nov 2020 11:23

Tgt Ion:	180	Resp:	29859
Ion Ratio	Lower	Upper	
180	100		
182	103.3	48.0	144.0
145	37.8	16.8	50.4

