

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067827.D
 Acq On : 01 Dec 2020 10:34
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 12/2/2020 12:23:53 PM

Quant Time: Dec 02 04:39:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 03:45:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	220281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	320579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	294172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	155494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	12856	5.44	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.88%#
35) Dibromofluoromethane	7.91	113	11167	5.21	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.42%#
50) Toluene-d8	10.34	98	38321	4.96	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	9.92%#
62) 4-Bromofluorobenzene	12.64	95	13437	5.03	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	10.06%#

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	9922	5.176	ug/l	96
3) Chloromethane	2.21	50	5740	5.188	ug/l	92
4) Vinyl Chloride	2.35	62	7727	5.546	ug/l #	88
5) Bromomethane	2.77	94	7588	6.100	ug/l	99
6) Chloroethane	2.93	64	4717	5.199	ug/l #	83
7) Trichlorofluoromethane	3.27	101	24285	5.696	ug/l	88
8) Diethyl Ether	3.71	74	4600	5.535	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	10336	5.316	ug/l	93
10) Methyl Iodide	4.30	142	9292	4.509	ug/l #	91
11) Tert butyl alcohol	5.21	59	8959	48.945	ug/l #	74
12) 1,1-Dichloroethene	4.08	96	9739	5.335	ug/l	83
13) Acrolein	3.91	56	2357m	28.738	ug/l	
14) Allyl chloride	4.72	41	8284	4.906	ug/l	97
15) Acrylonitrile	5.44	53	7733	26.836	ug/l #	89
16) Acetone	4.16	43	8520m	29.472	ug/l	
17) Carbon Disulfide	4.40	76	28083	5.510	ug/l	96
18) Methyl Acetate	4.72	43	4115	6.923	ug/l #	86
19) Methyl tert-butyl Ether	5.49	73	18844	4.821	ug/l	100
20) Methylene Chloride	4.97	84	15322	6.903	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	11282	5.432	ug/l #	80
22) Diisopropyl ether	6.36	45	17396	5.122	ug/l	93
23) Vinyl Acetate	6.31	43	39246	20.771	ug/l #	85
24) 1,1-Dichloroethane	6.26	63	15908	5.343	ug/l #	88
25) 2-Butanone	7.22	43	7820	25.443	ug/l	99
26) 2,2-Dichloropropane	7.20	77	19174	5.401	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	12023	5.292	ug/l	95
28) Bromochloromethane	7.56	49	4899	5.183	ug/l	93
29) Tetrahydrofuran	7.58	42	4680m	29.088	ug/l	
30) Chloroform	7.71	83	21757	5.468	ug/l	98
31) Cyclohexane	7.99	56	15654	6.283	ug/l #	86
32) 1,1,1-Trichloroethane	7.90	97	23397	5.571	ug/l	97
36) 1,1-Dichloropropene	8.11	75	14175	5.108	ug/l	99
37) Ethyl Acetate	7.31	43	4647m	7.171	ug/l	
38) Carbon Tetrachloride	8.10	117	22604	5.383	ug/l	89

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 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Dec 02 04:39:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 03:45:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16453	5.003	ug/l	97
40) Benzene	8.36	78	39871	5.250	ug/l	94
41) Methacrylonitrile	7.53	41	2297m	6.316	ug/l	
42) 1,2-Dichloroethane	8.43	62	13770	5.088	ug/l	97
43) Isopropyl Acetate	8.46	43	7495	5.093	ug/l #	58
44) Trichloroethene	9.11	130	13796	5.284	ug/l	91
45) 1,2-Dichloropropane	9.39	63	8364	5.366	ug/l	91
46) Dibromomethane	9.47	93	5446	5.026	ug/l	92
47) Bromodichloromethane	9.67	83	16626	5.382	ug/l #	96
48) Methyl methacrylate	9.46	41	3815	5.105	ug/l	91
49) 1,4-Dioxane	9.47	88	1488	120.171	ug/l #	57
51) 4-Methyl-2-Pentanone	10.23	43	17167	24.646	ug/l	97
52) Toluene	10.41	92	27372	5.156	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	13630	5.112	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	14325	4.939	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	8593	5.794	ug/l #	88
56) Ethyl methacrylate	10.66	69	7651	5.071	ug/l #	68
57) 1,3-Dichloropropane	10.95	76	12696	5.405	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	17409	25.356	ug/l	94
59) 2-Hexanone	10.98	43	11903	24.241	ug/l	98
60) Dibromochloromethane	11.14	129	11377	5.089	ug/l	89
61) 1,2-Dibromoethane	11.24	107	8070	5.534	ug/l	97
64) Tetrachloroethene	10.88	164	14015	5.841	ug/l	89
65) Chlorobenzene	11.67	112	32723	5.391	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	13138	5.307	ug/l	96
67) Ethyl Benzene	11.75	91	52380	5.066	ug/l	96
68) m/p-Xylenes	11.86	106	40834	10.015	ug/l	95
69) o-Xylene	12.18	106	17575	4.856	ug/l	98
70) Styrene	12.20	104	31089	4.939	ug/l	97
71) Bromoform	12.36	173	6674	5.093	ug/l #	88
73) Isopropylbenzene	12.48	105	52204	4.882	ug/l	99
74) N-amyl acetate	12.29	43	6280	4.748	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	7787	5.516	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	6066m	5.246	ug/l	
77) Bromobenzene	12.76	156	13072	4.917	ug/l	94
78) n-propylbenzene	12.83	91	56921	4.803	ug/l	97
79) 2-Chlorotoluene	12.91	91	34176	4.902	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	41994	4.536	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	2377	5.021	ug/l	91
82) 4-Chlorotoluene	13.01	91	35618	4.789	ug/l	97
83) tert-Butylbenzene	13.23	119	37736	4.790	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	43083	4.680	ug/l	99
85) sec-Butylbenzene	13.40	105	51508	4.898	ug/l	99
86) p-Isopropyltoluene	13.52	119	49478	4.801	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	27381	5.339	ug/l	94
88) 1,4-Dichlorobenzene	13.60	146	28354	5.527	ug/l	95
89) n-Butylbenzene	13.84	91	41468	4.843	ug/l	99
90) Hexachloroethane	14.11	117	9475	4.980	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	23660	5.320	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.50	75	1484	5.037	ug/l #	22

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Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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12/2/2020 12:23:53 PM

Quant Time: Dec 02 04:39:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 03:45:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	14933	4.800	ug/l	96
94) Hexachlorobutadiene	15.27	225	9988	4.920	ug/l	98
95) Naphthalene	15.41	128	23835	4.708	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	13330	4.961	ug/l	92

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

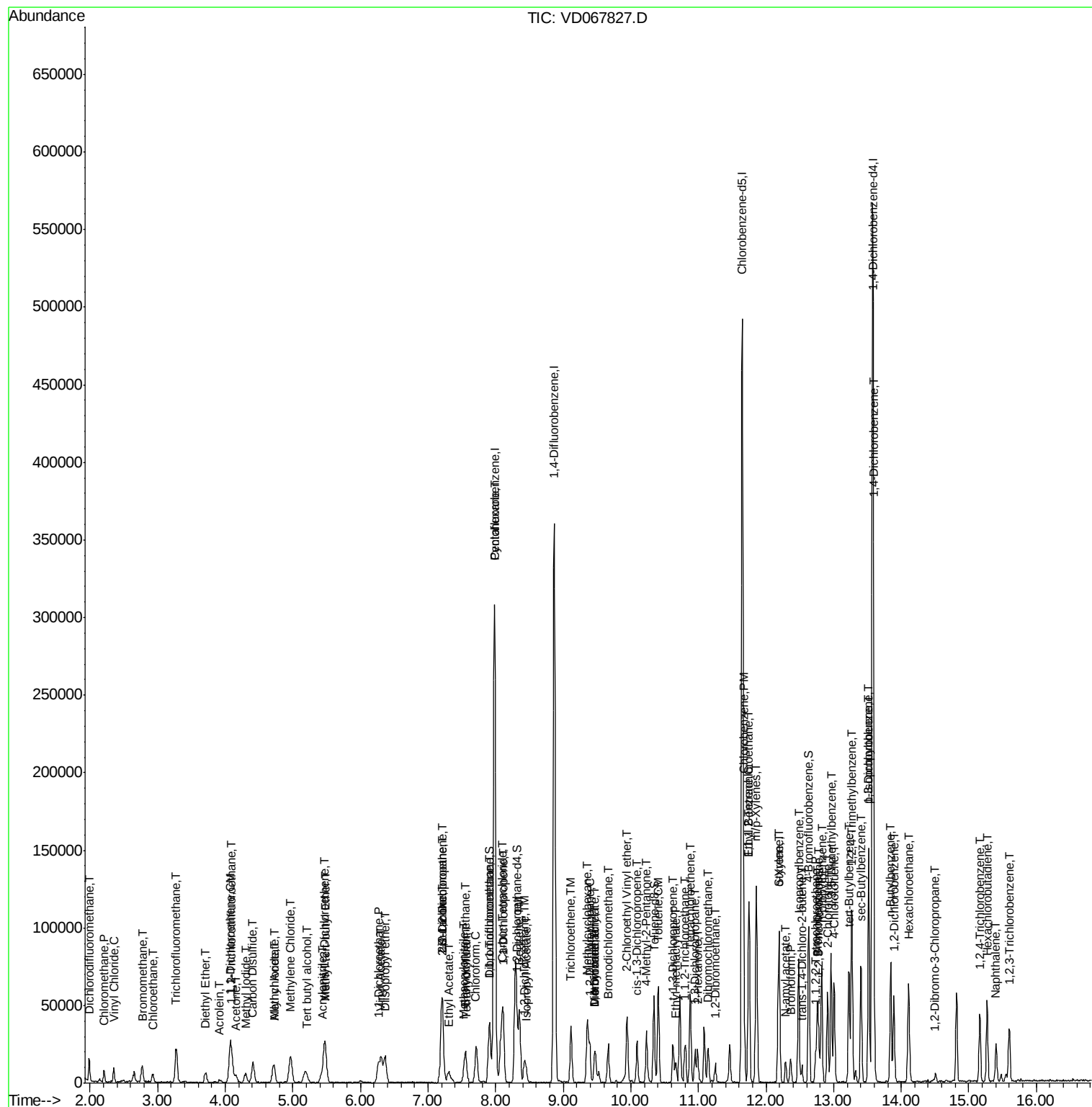
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120120\
Data File : VD067827.D
Acq On : 01 Dec 2020 10:34
Operator : VA/SY
Sample : VSTDIC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

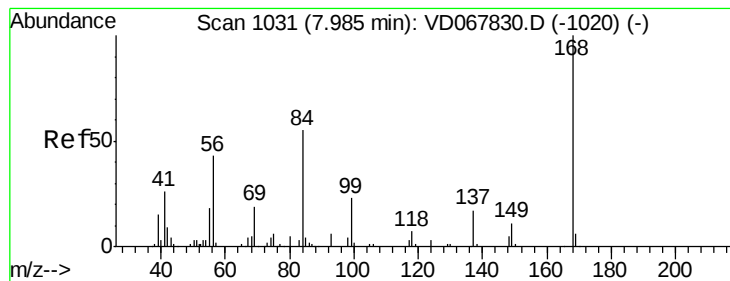
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

MMDadoda
12/2/2020 12:23:53 PM

Quant Time: Dec 02 04:39:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 03:45:11 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 220281

Ion Ratio Lower Upper

168 100

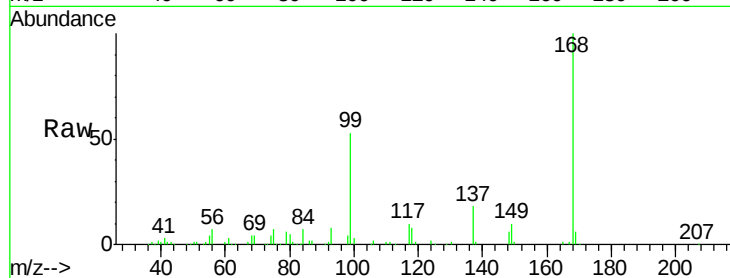
99 52.5 47.1 70.7

Manual Integrations

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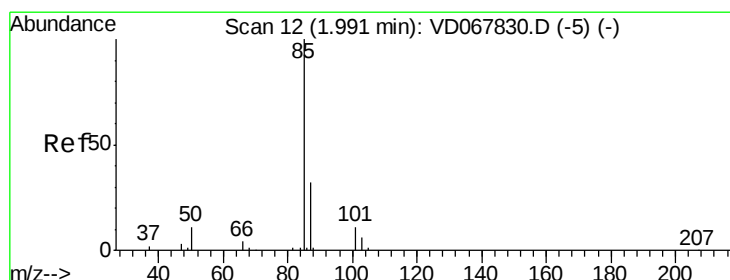
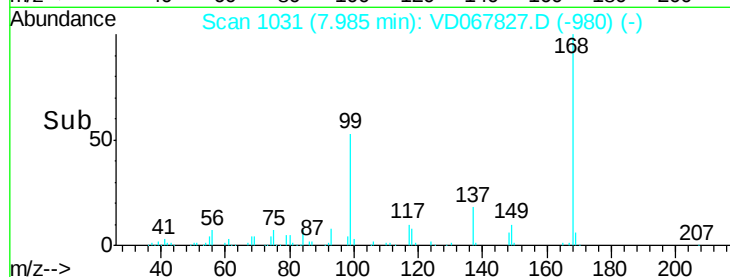
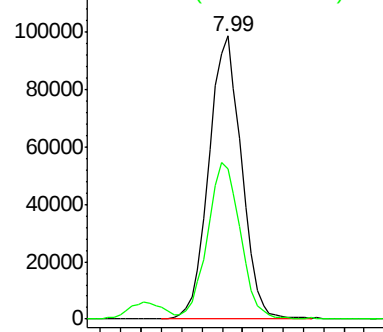
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.176 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067827.D

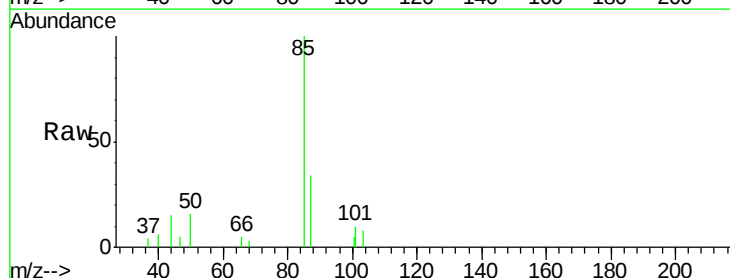
Acq: 01 Dec 2020 10:34

Tgt Ion: 85 Resp: 9922

Ion Ratio Lower Upper

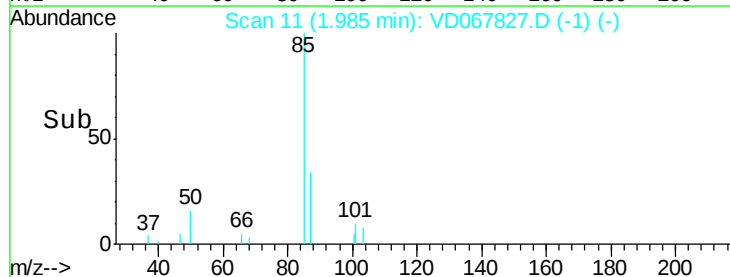
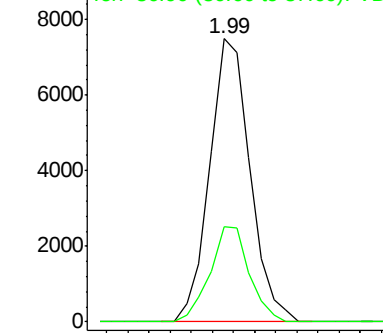
85 100

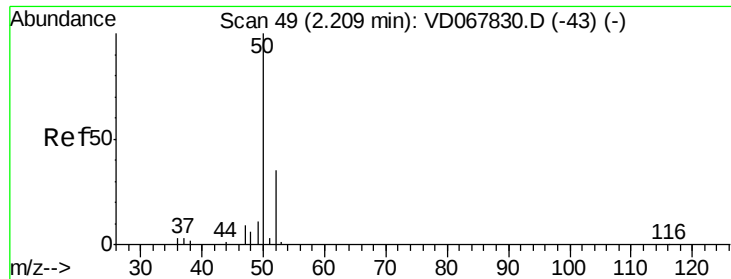
87 33.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.188 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 5740

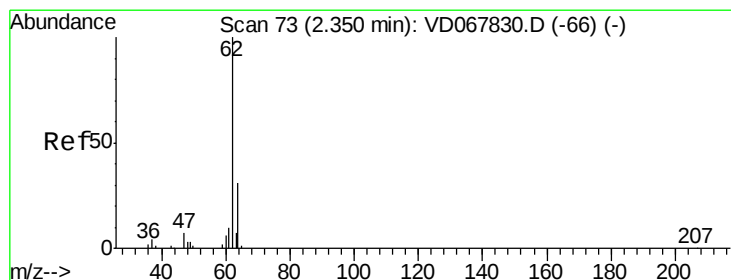
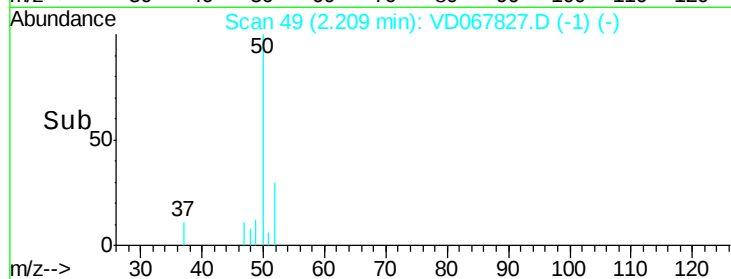
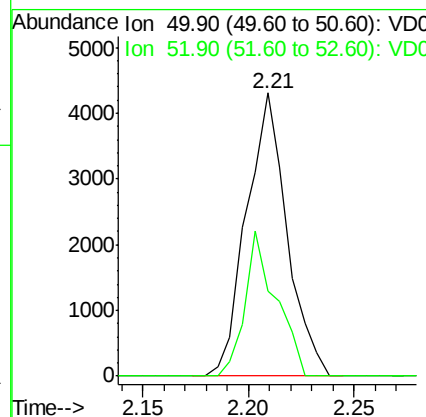
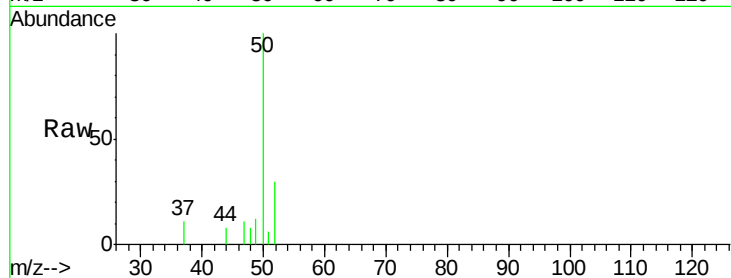
Ion Ratio Lower Upper

50 100

52 30.2 27.8 41.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 5.546 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067827.D

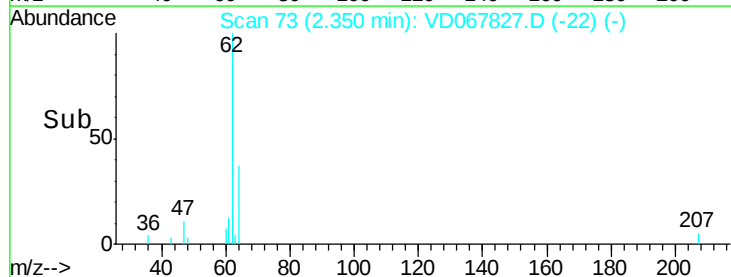
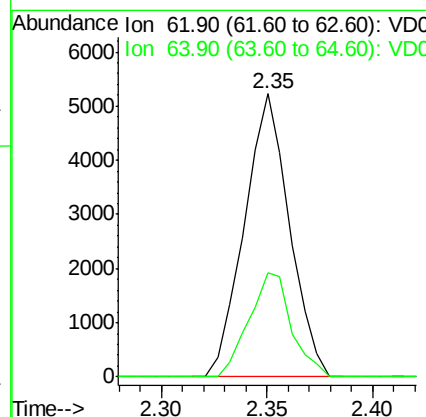
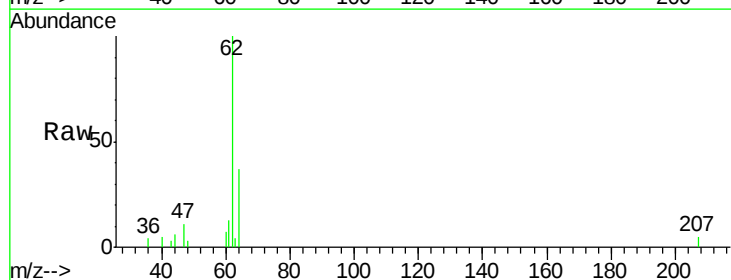
Acq: 01 Dec 2020 10:34

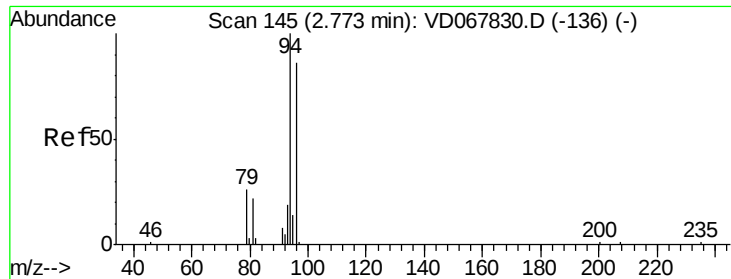
Tgt Ion: 62 Resp: 7727

Ion Ratio Lower Upper

62 100

64 37.0 24.5 36.7#





#5

Bromomethane

Concen: 6.100 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7588

Ion Ratio Lower Upper

94 100

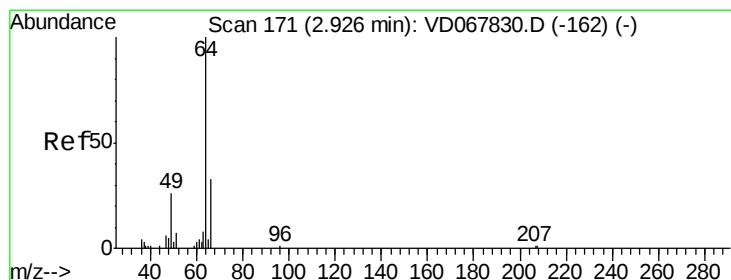
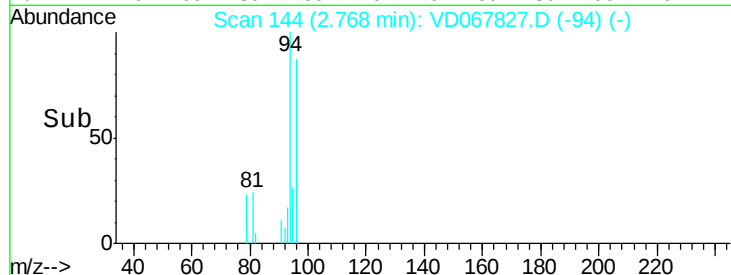
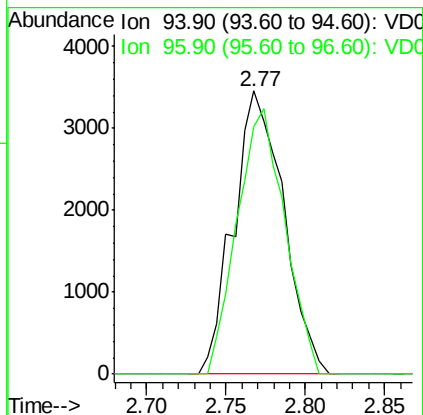
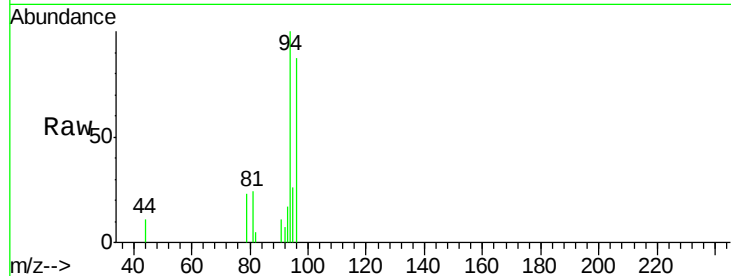
96 87.2 68.7 103.1

Manual Integrations

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#6

Chloroethane

Concen: 5.199 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD067827.D

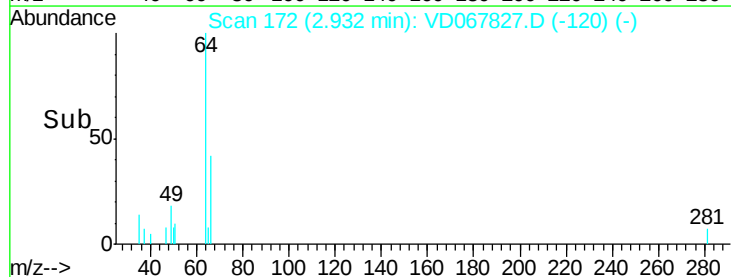
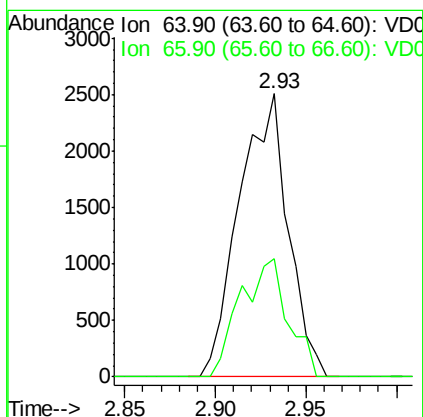
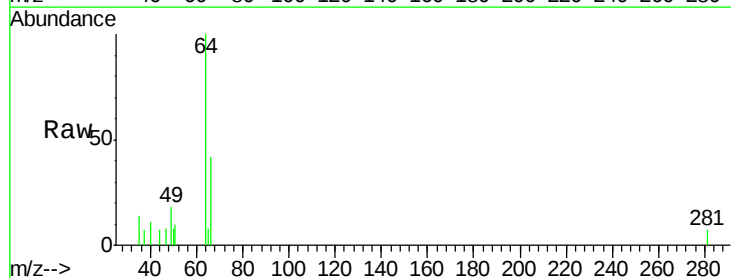
Acq: 01 Dec 2020 10:34

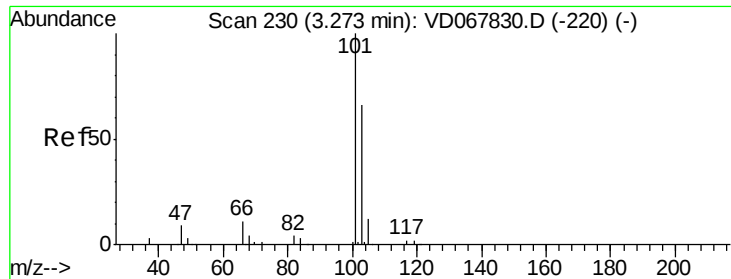
Tgt Ion: 64 Resp: 4717

Ion Ratio Lower Upper

64 100

66 42.0 26.1 39.1#





#7

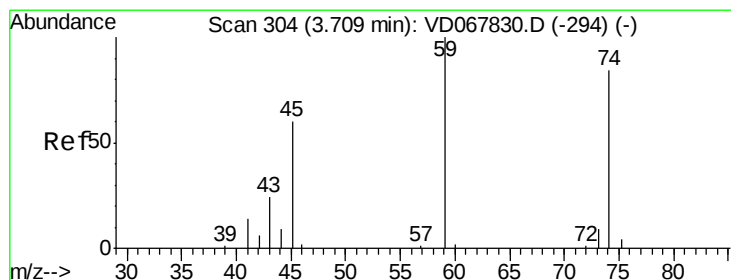
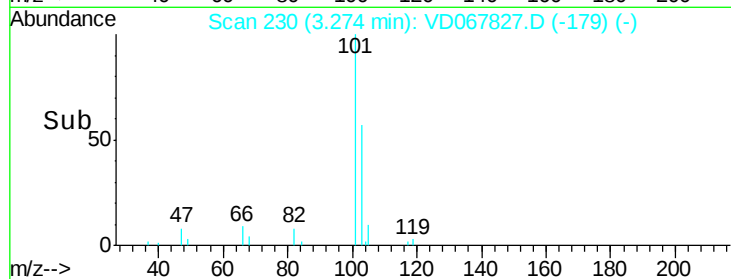
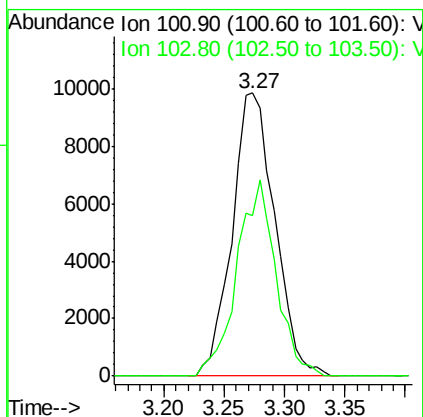
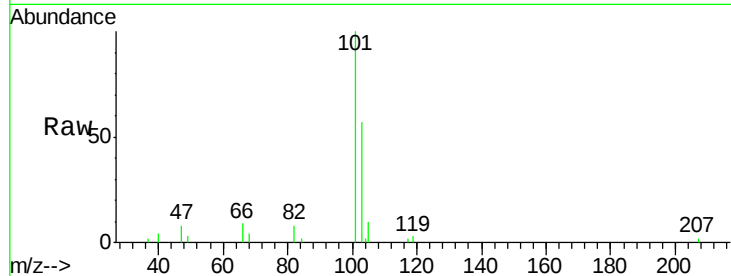
Trichlorofluoromethane
Concen: 5.696 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.5	53.0	79.6

Manual Integrations
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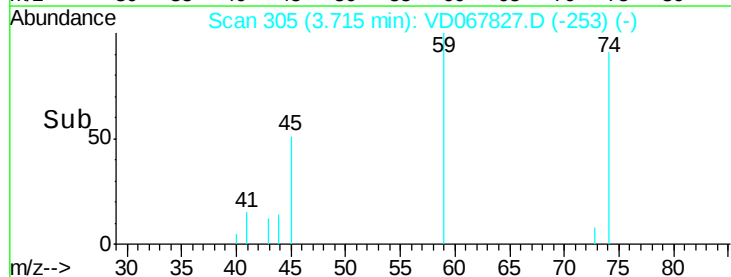
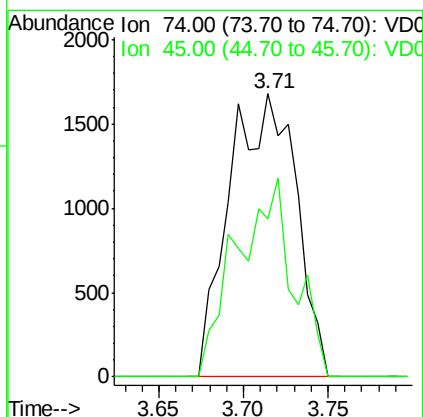
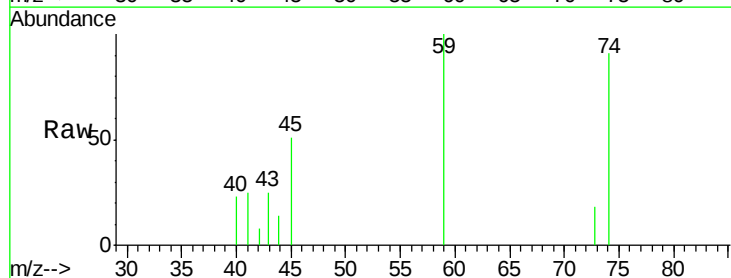
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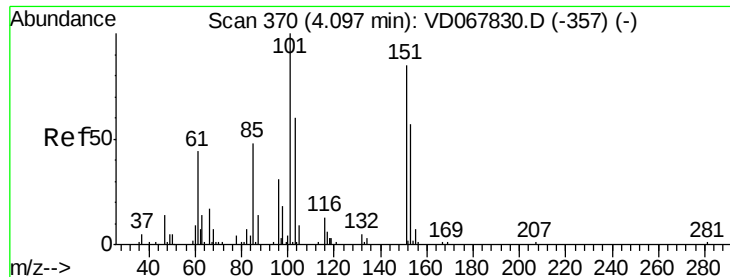


#8

Diethyl Ether
Concen: 5.535 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	60.3	33.9	101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.316 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

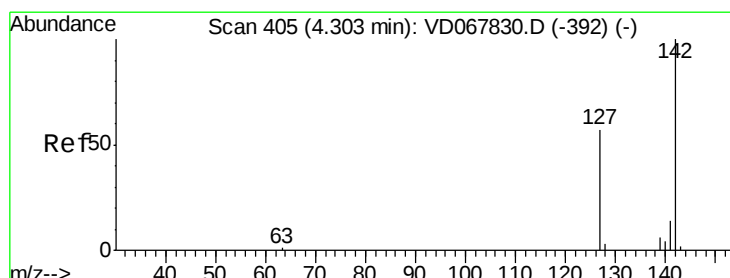
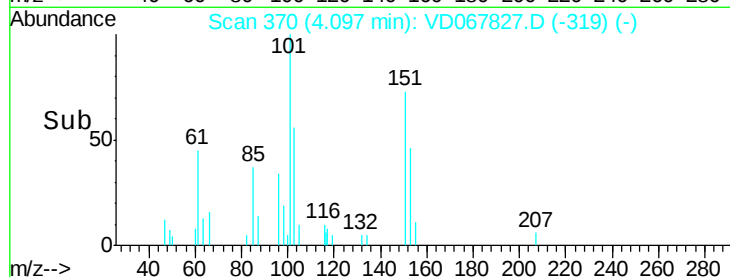
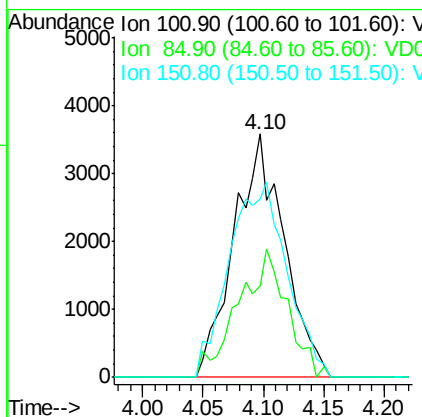
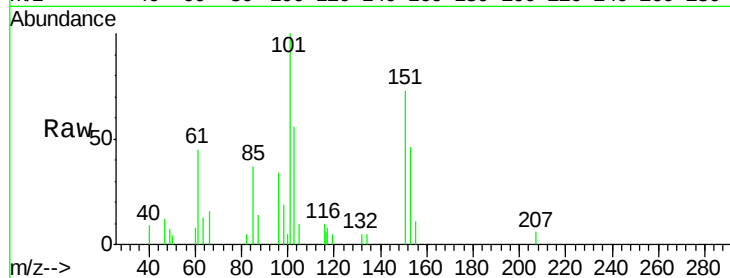
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	10336
Ion Ratio	Lower	Upper	
101	100		
85	50.8	36.2	54.4
151	92.4	69.4	104.2

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#10

Methyl Iodide

Concen: 4.509 ug/l

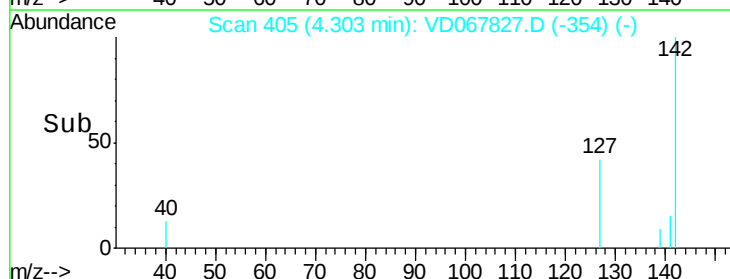
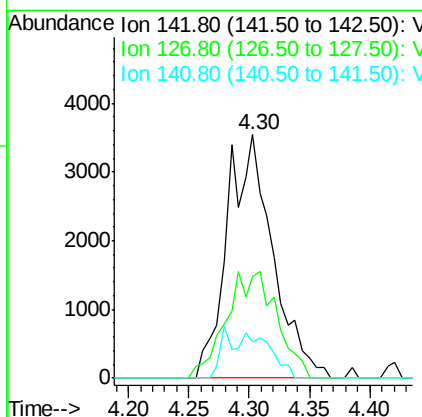
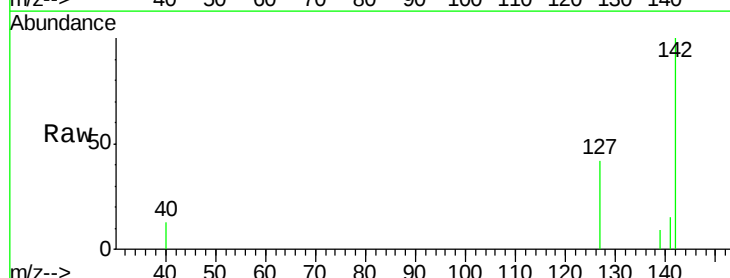
RT: 4.30 min Scan# 405

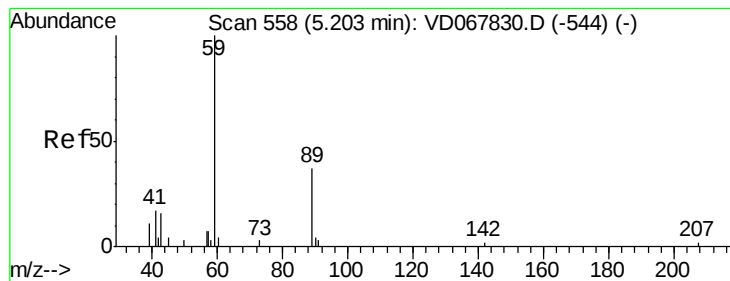
Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Tgt Ion:	142	Resp:	9292
Ion Ratio	Lower	Upper	
142	100		
127	48.7	43.9	65.9
141	11.5	12.2	18.2#





#11

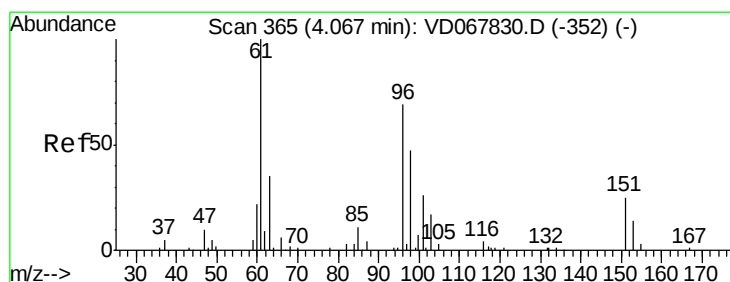
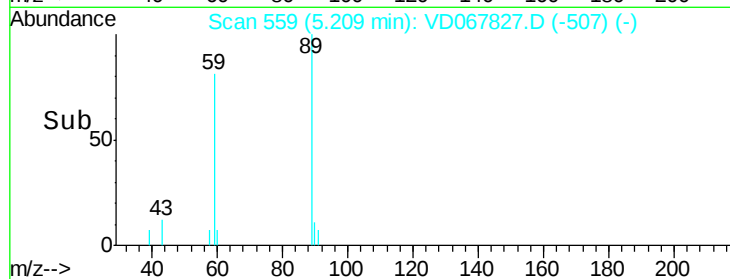
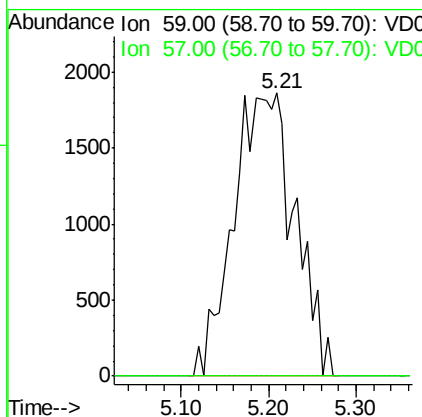
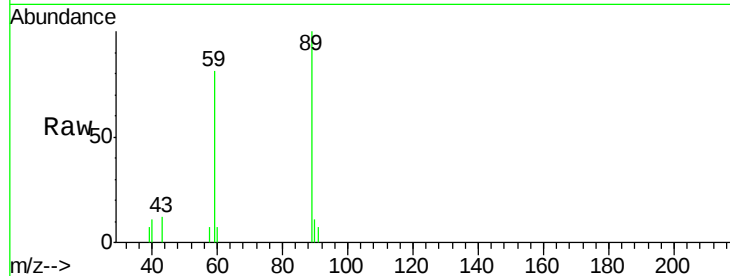
Tert butyl alcohol
Concen: 48.945 ug/l
RT: 5.21 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

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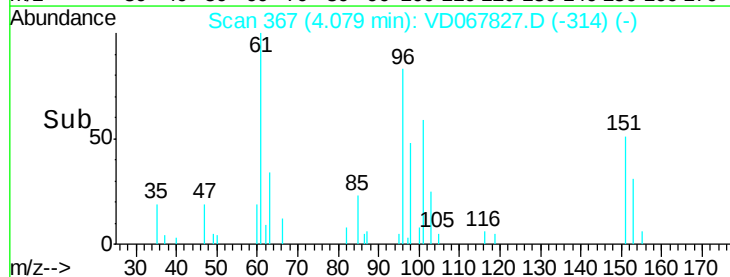
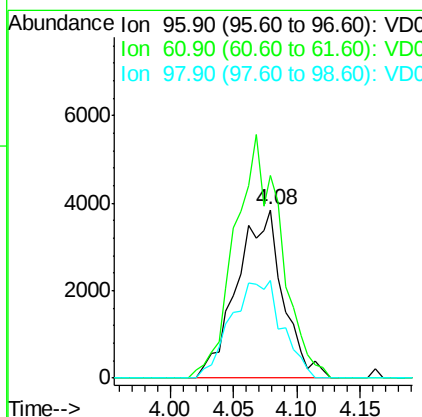
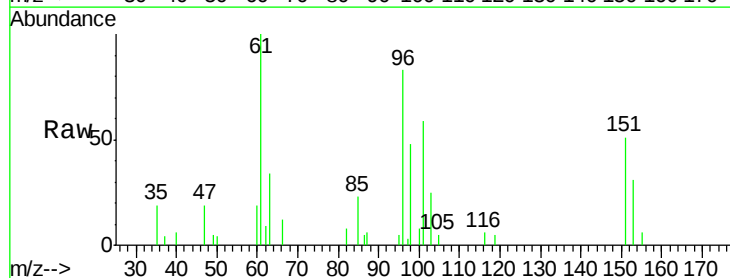
MMDadoda
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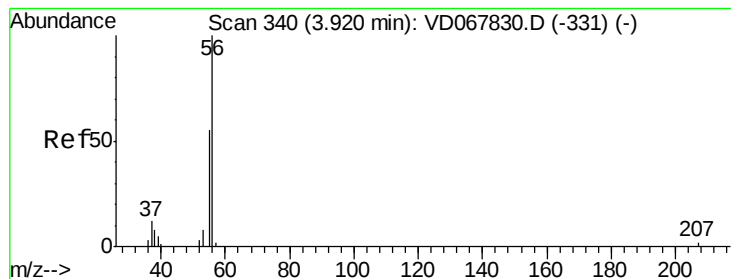


#12

1,1-Dichloroethene
Concen: 5.335 ug/l
RT: 4.08 min Scan# 367
Delta R.T. 0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.4	116.1	174.1
98	58.3	54.6	82.0





#13

Acrolein

Concen: 28.738 ug/l m

RT: 3.91 min Scan# 338

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 2357

Ion Ratio Lower Upper

56 100

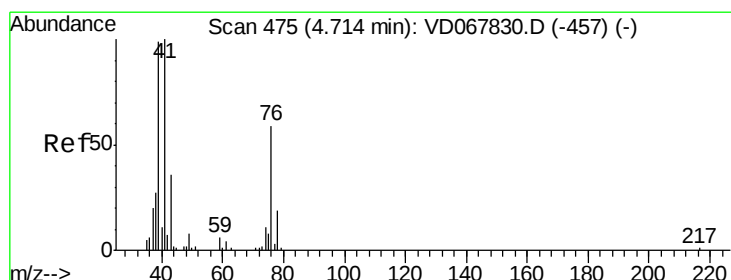
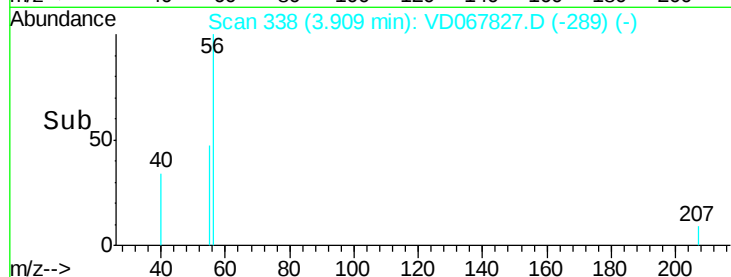
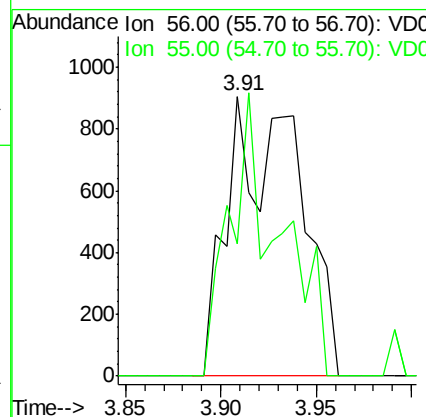
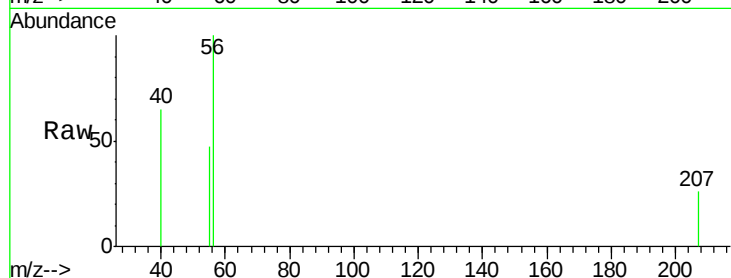
55 45.9 56.5 84.7#

Manual Integrations

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#14

Allyl chloride

Concen: 4.906 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

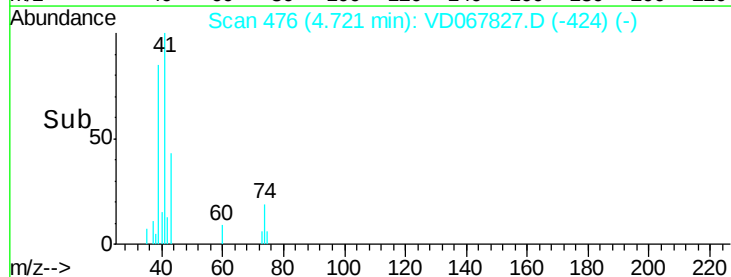
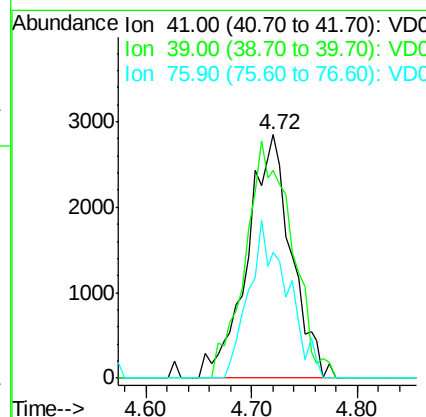
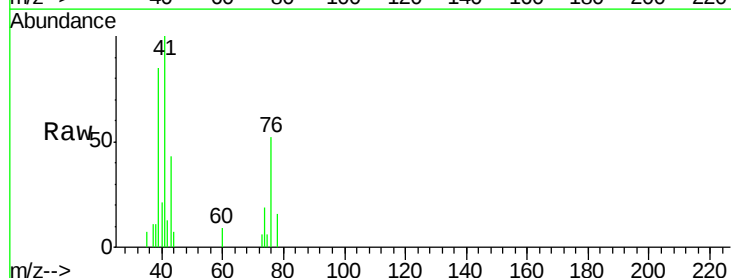
Tgt Ion: 41 Resp: 8284

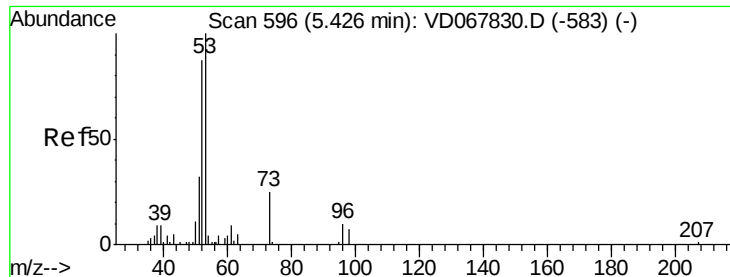
Ion Ratio Lower Upper

41 100

39 101.6 79.0 118.6

76 56.3 46.6 70.0





#15

Acrylonitrile

Concen: 26.836 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

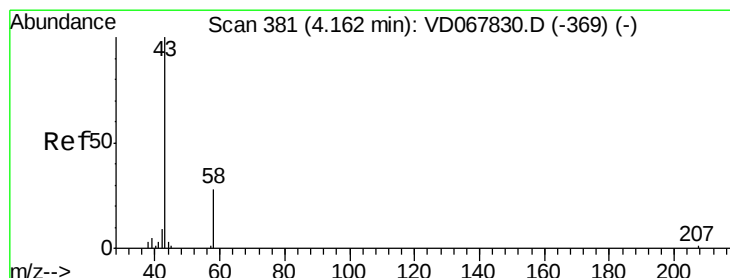
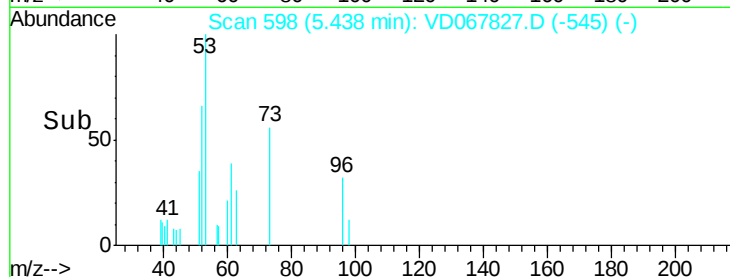
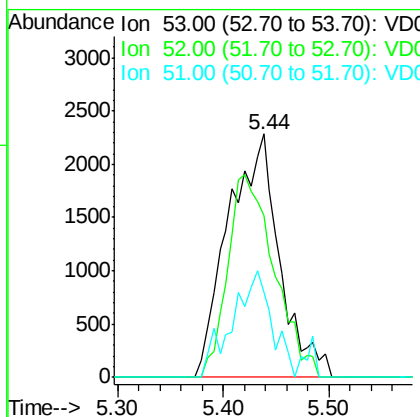
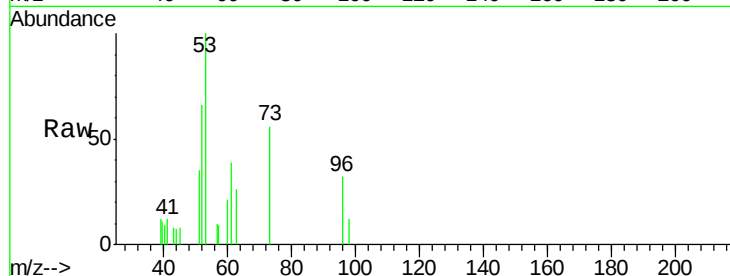
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	7733
Ion	Ratio	Lower	Upper
53	100		
52	75.1	66.2	99.2
51	29.6	31.1	46.7#

Manual Integrations
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#16

Acetone

Concen: 29.472 ug/l m

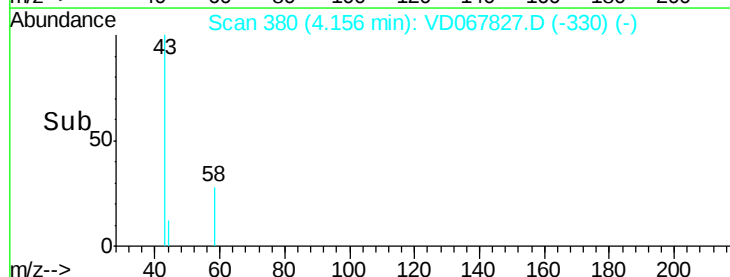
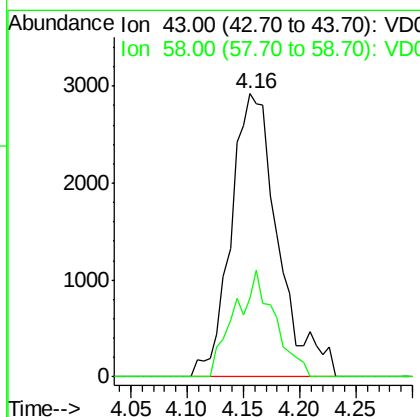
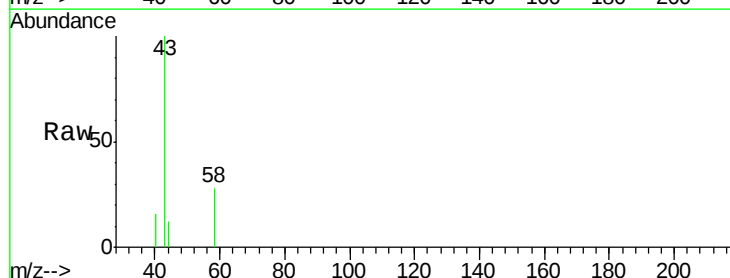
RT: 4.16 min Scan# 380

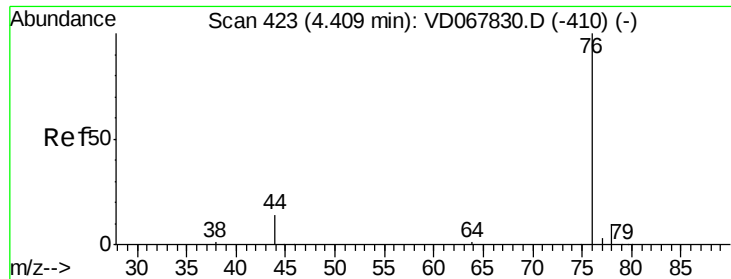
Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Tgt Ion:	43	Resp:	8520
Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.9	32.9





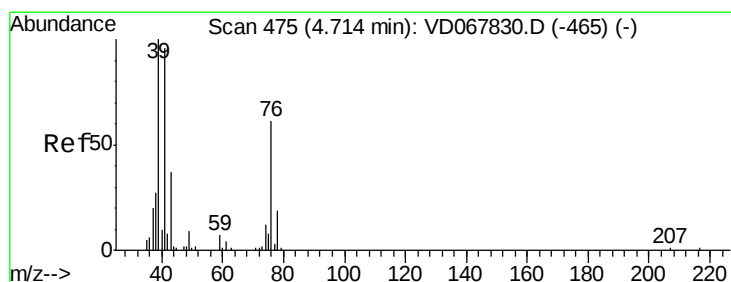
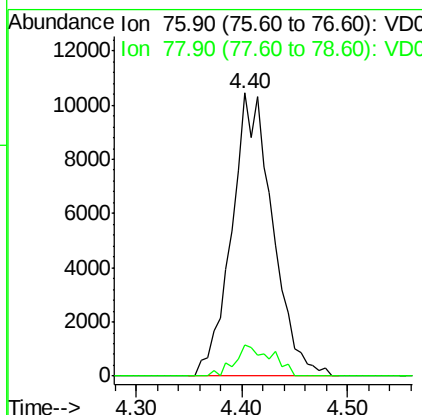
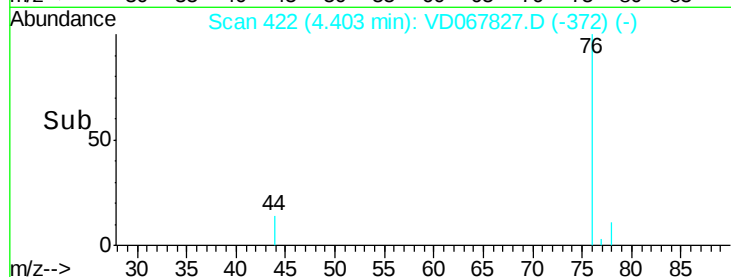
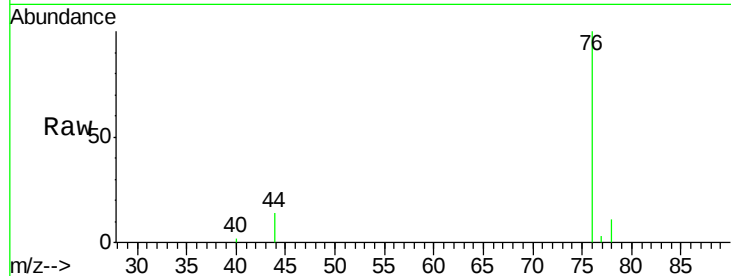
#17
Carbon Disulfide
Concen: 5.510 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 28083
Ion Ratio Lower Upper
76 100
78 11.2 7.8 11.6

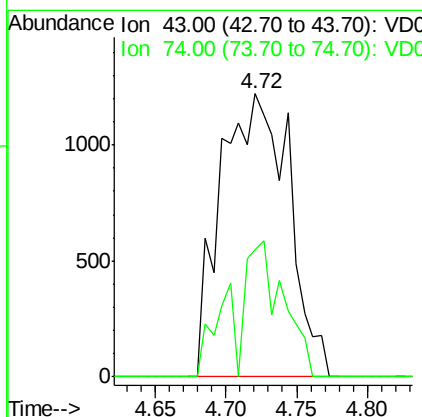
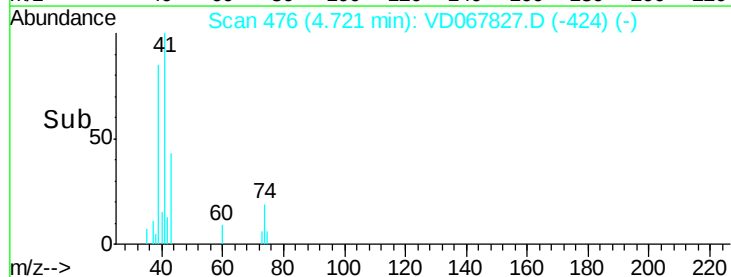
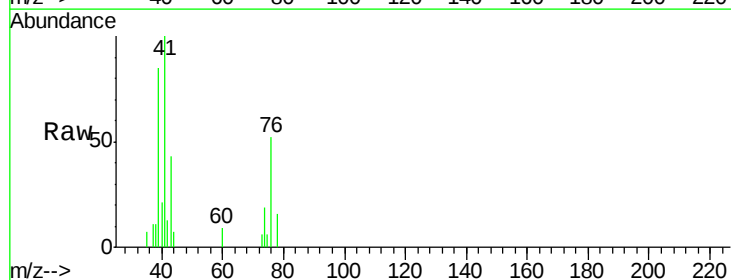
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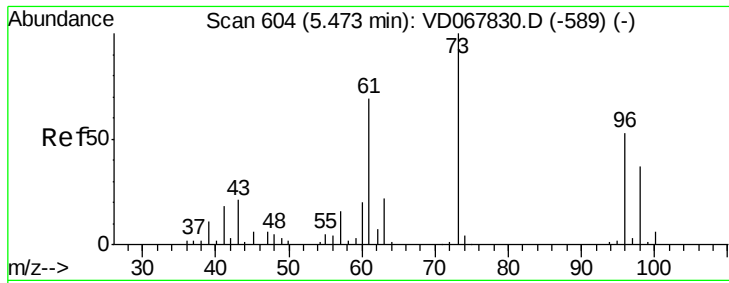
MMDadoda
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#18
Methyl Acetate
Concen: 6.923 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion: 43 Resp: 4115
Ion Ratio Lower Upper
43 100
74 25.8 27.0 40.4#





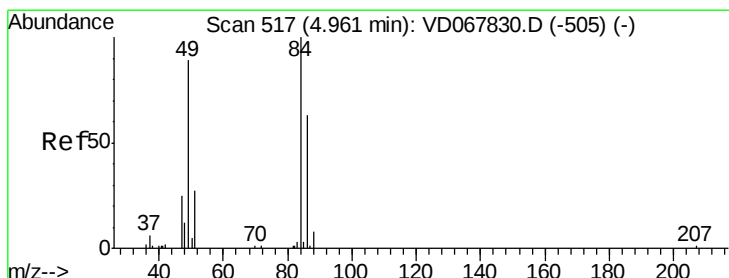
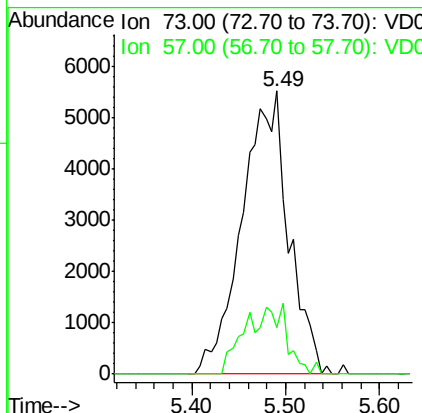
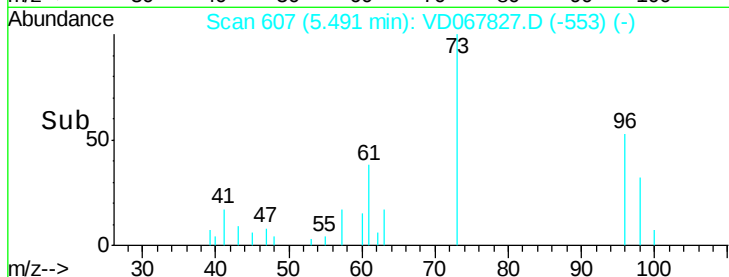
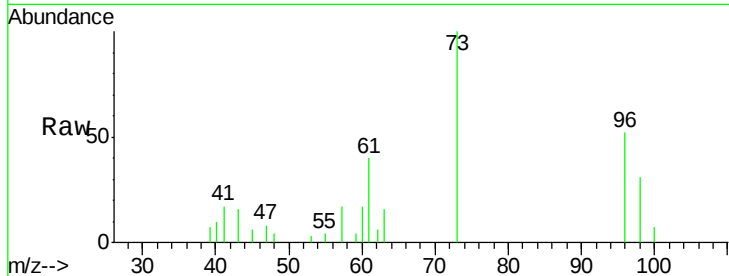
#19
Methvl tert-butvl Ether
Concen: 4.821 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.02 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 18844
Ion Ratio Lower Upper
73 100
57 16.6 13.2 19.8

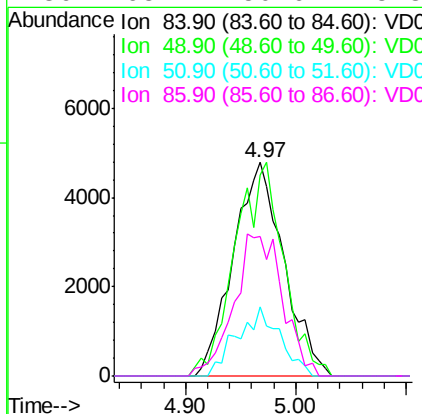
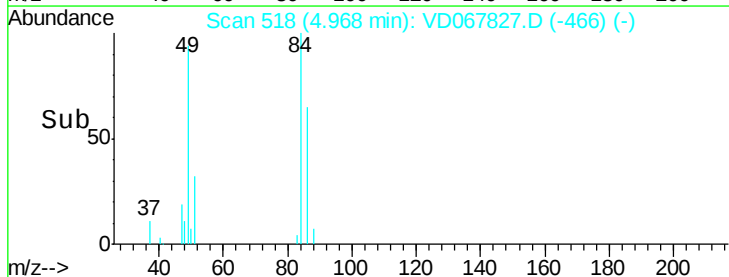
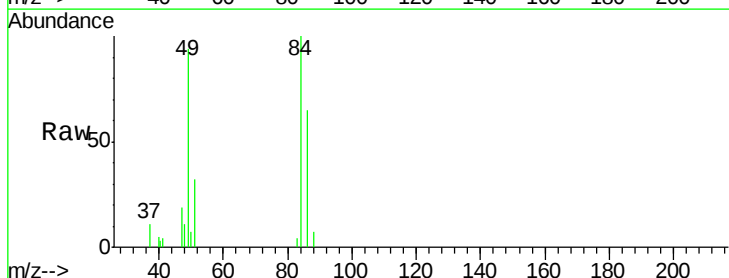
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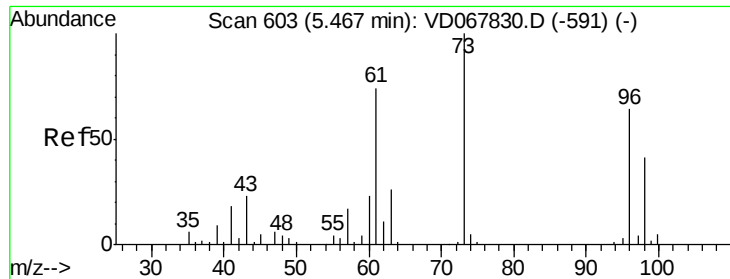
MMDadoda
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#20
Methylene Chloride
Concen: 6.903 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion: 84 Resp: 15322
Ion Ratio Lower Upper
84 100
49 94.4 71.4 107.0
51 32.3 21.8 32.8
86 65.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 5.432 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

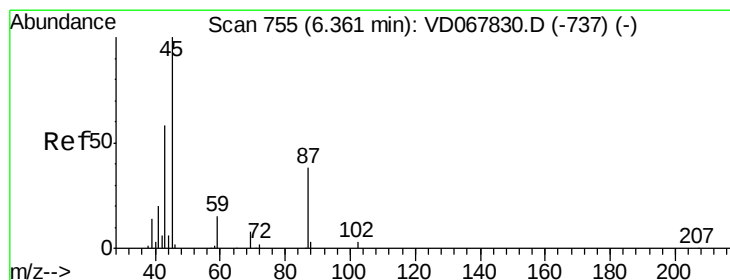
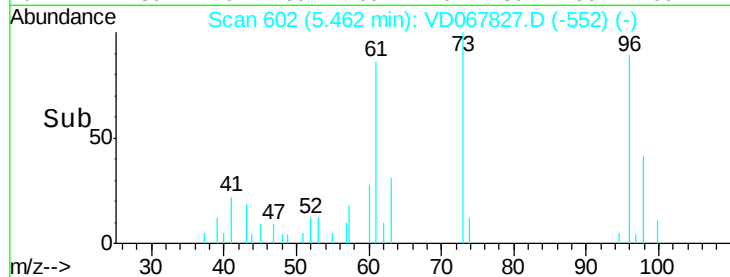
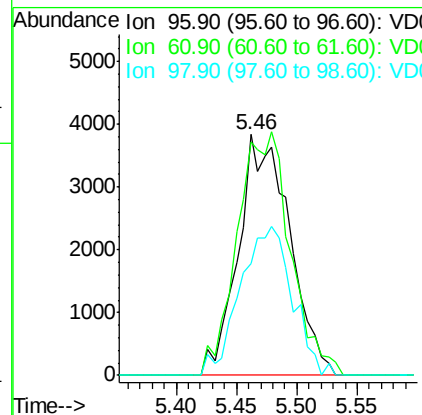
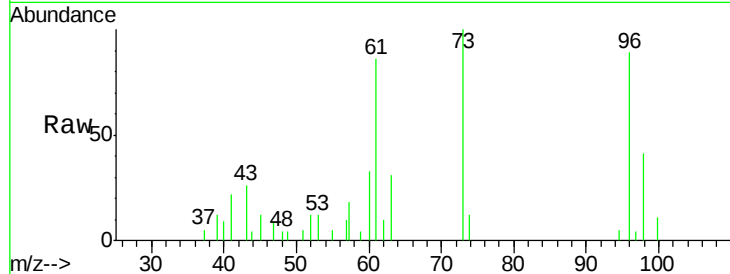
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	11282
Ion	Ratio	Lower	Upper
96	100		
61	96.8	93.1	139.7
98	46.4	52.2	78.2#

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#22

Diisopropyl ether

Concen: 5.122 ug/l

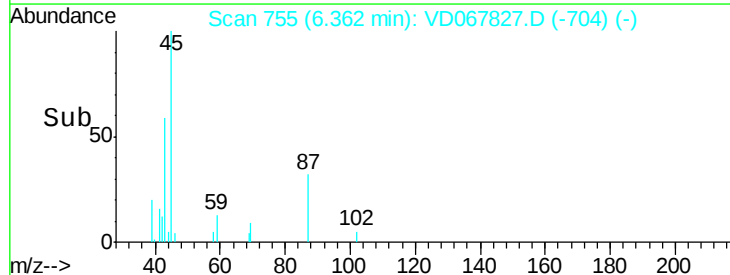
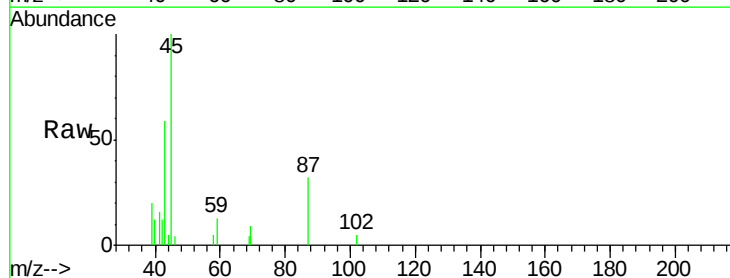
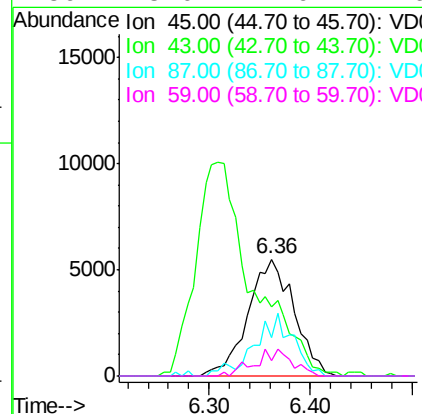
RT: 6.36 min Scan# 755

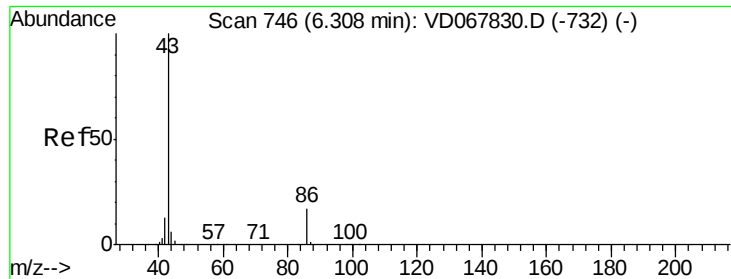
Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Tgt Ion:	45	Resp:	17396
Ion	Ratio	Lower	Upper
45	100		
43	59.0	49.8	74.6
87	32.5	32.1	48.1
59	13.0	11.9	17.9





#23

Vinyl Acetate

Concen: 20.771 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 39246

Ion Ratio Lower Upper

43 100

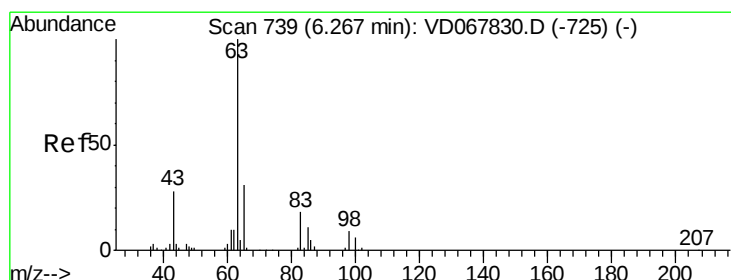
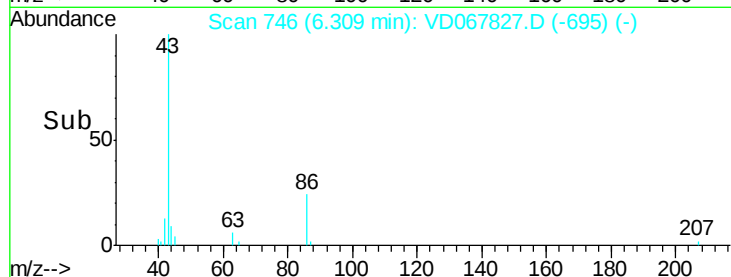
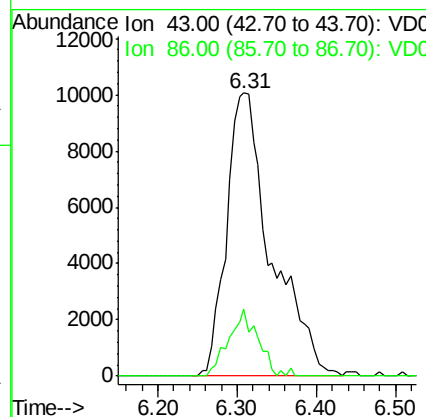
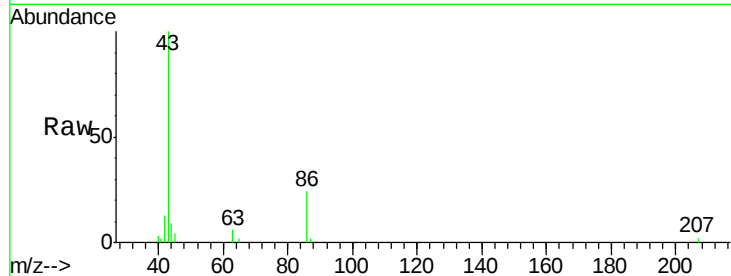
86 23.8 13.8 20.6#

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#24

1,1-Dichloroethane

Concen: 5.343 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

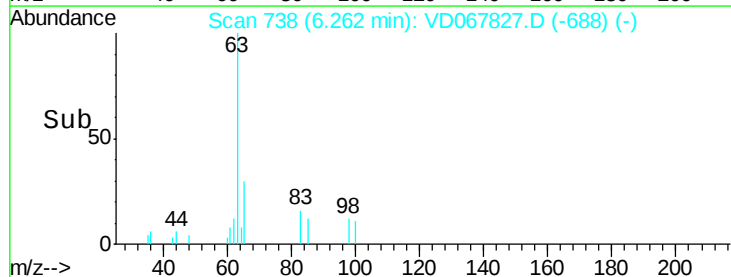
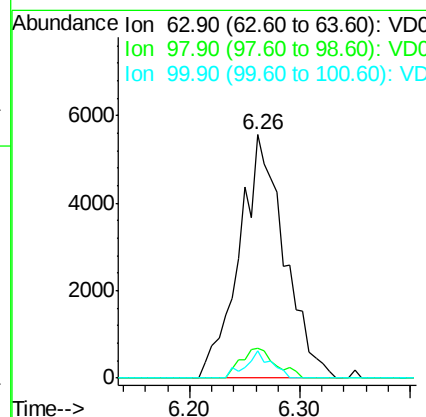
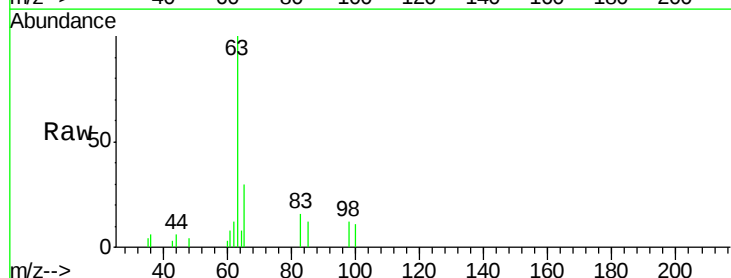
Tgt Ion: 63 Resp: 15908

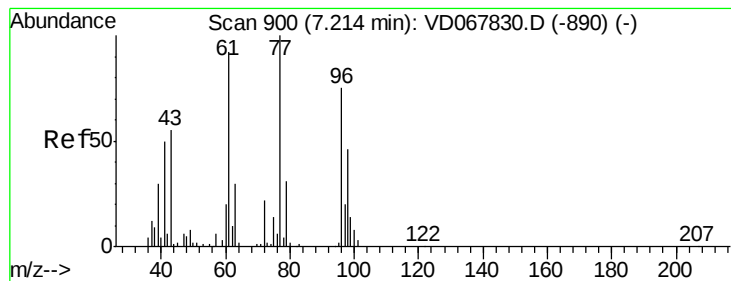
Ion Ratio Lower Upper

63 100

98 12.4 4.5 13.5

100 11.3 3.0 9.2#





#25

2-Butanone

Concen: 25.443 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 7820

Ion Ratio Lower Upper

43 100

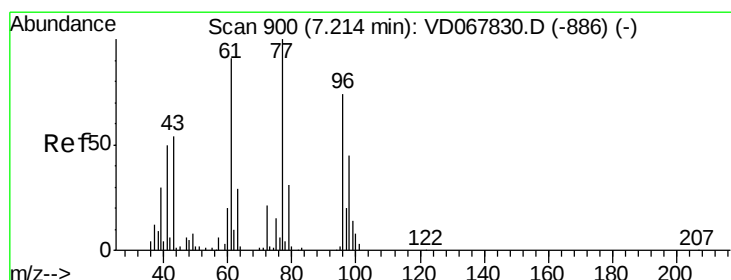
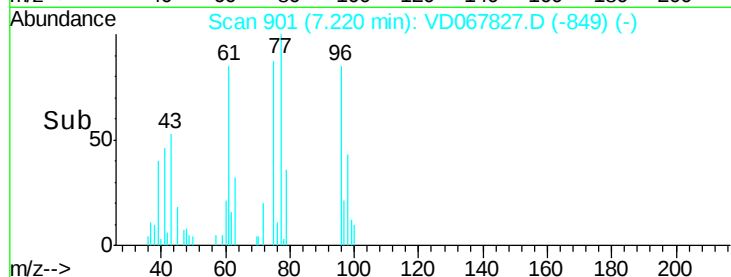
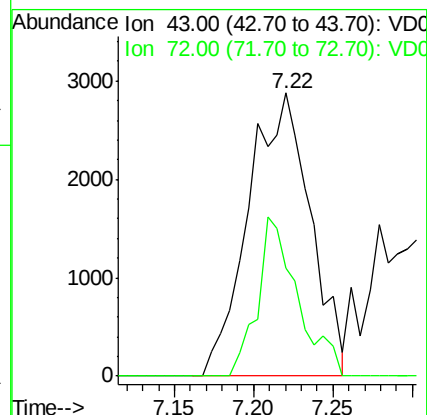
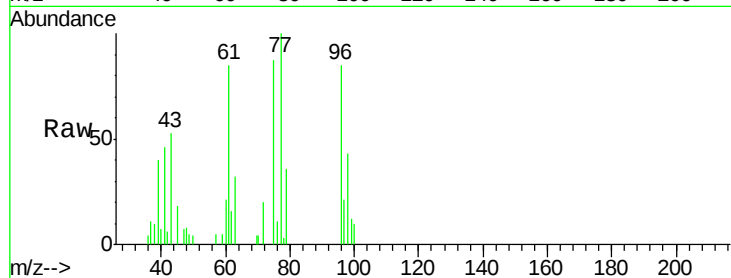
72 38.3 31.3 46.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.401 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067827.D

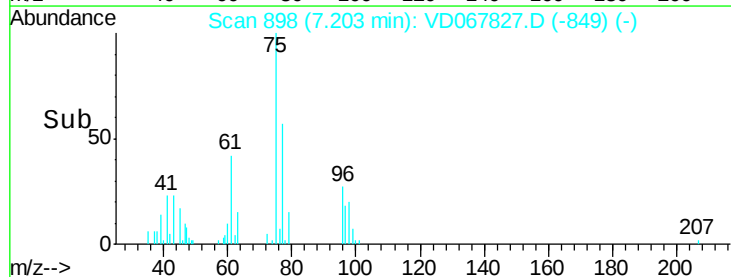
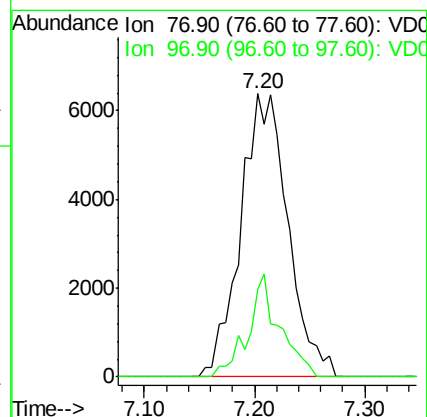
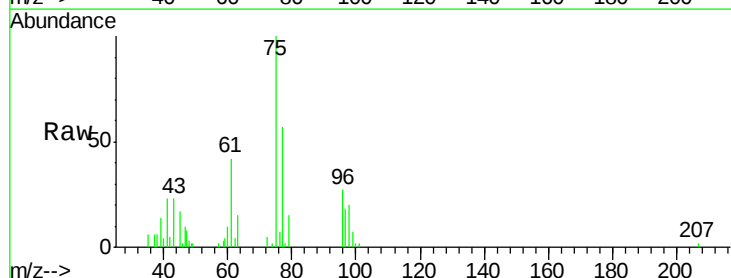
Acq: 01 Dec 2020 10:34

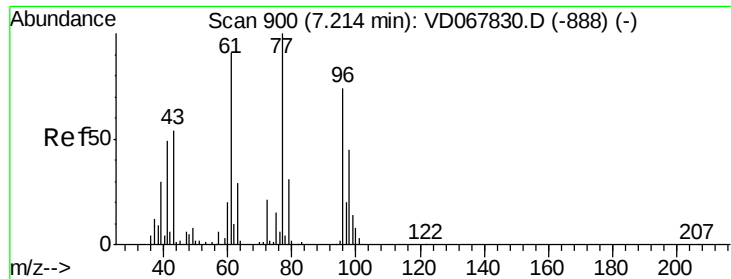
Tgt Ion: 77 Resp: 19174

Ion Ratio Lower Upper

77 100

97 24.2 11.1 33.1





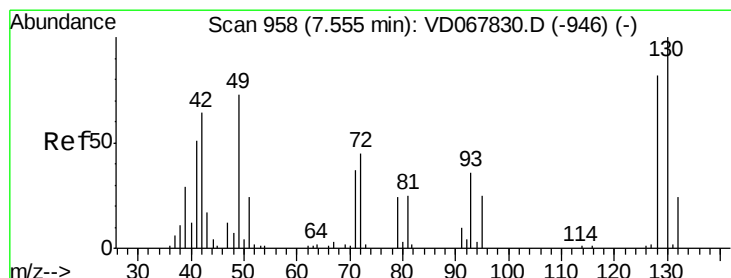
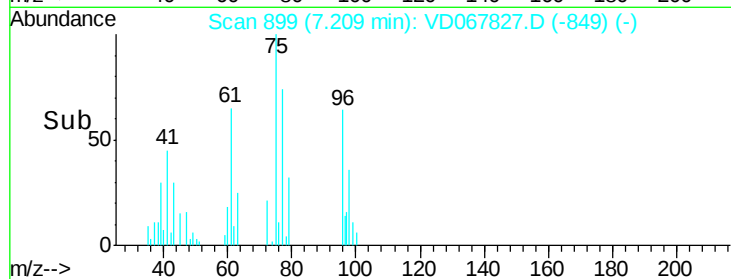
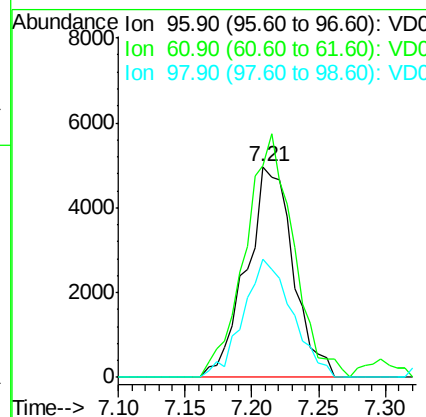
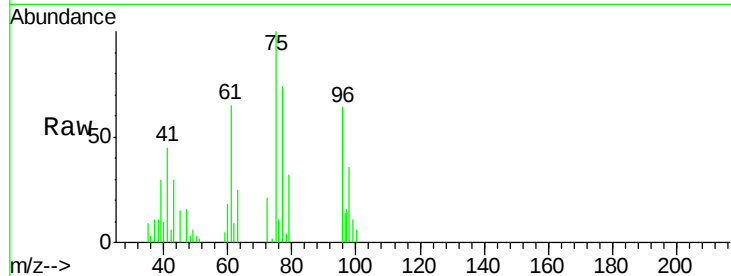
#27
 cis-1,2-Dichloroethene
 Concen: 5.292 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.4	0.0	248.4
98	58.9	0.0	127.4

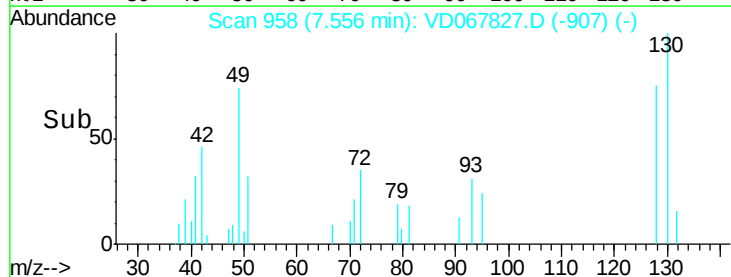
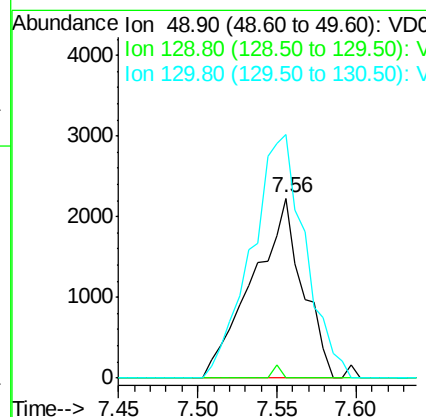
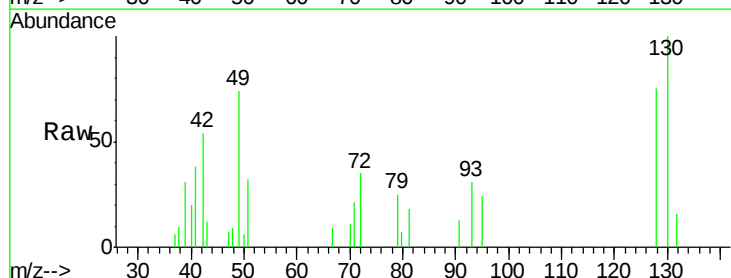
Manual Integrations
 APPROVED

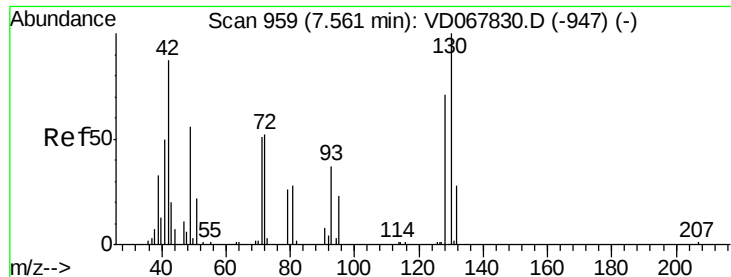
MMDadoda
 12/2/2020 12:23:53 PM



#28
 Bromochloromethane
 Concen: 5.183 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.4
130	145.8	110.2	165.2





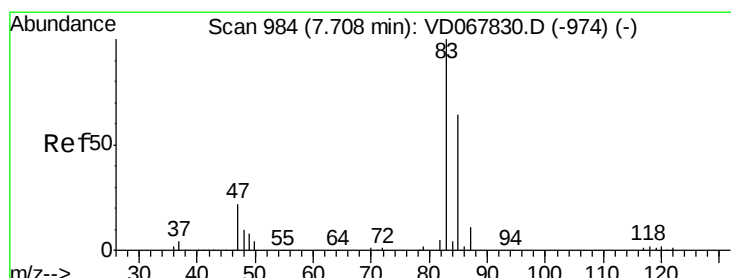
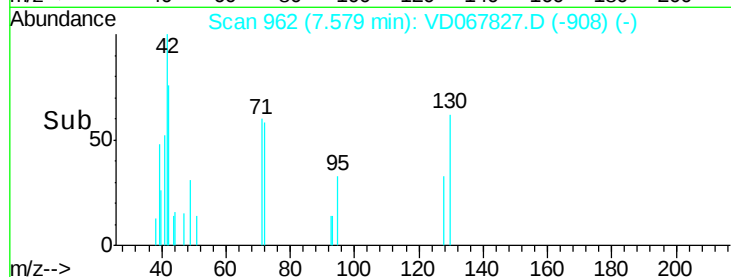
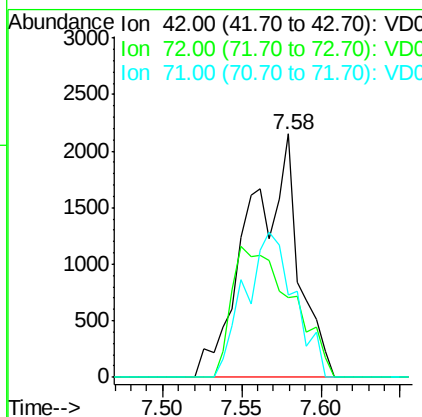
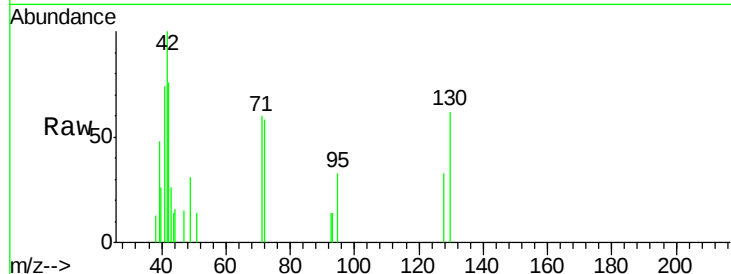
#29
Tetrahydrofuran
Concen: 29.088 ug/l m
RT: 7.58 min Scan# 962
Delta R.T. 0.02 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	64.6	51.9	77.9
71	59.2	48.2	72.4

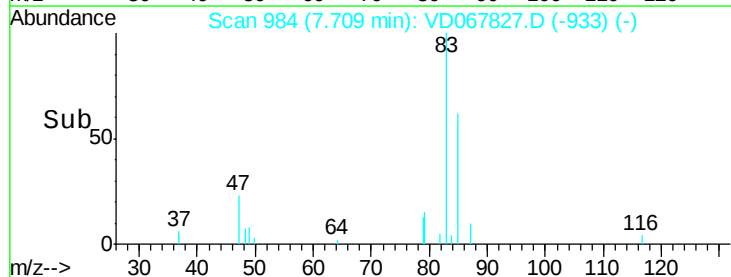
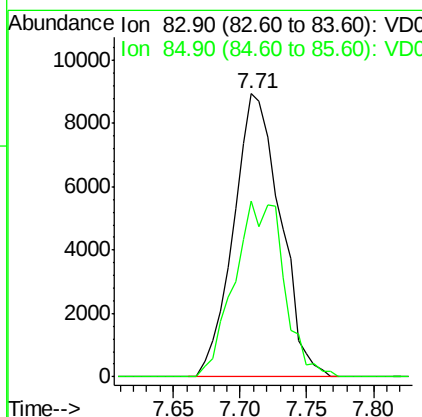
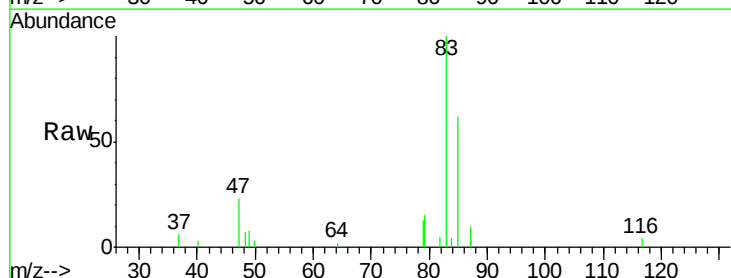
Manual Integrations
APPROVED

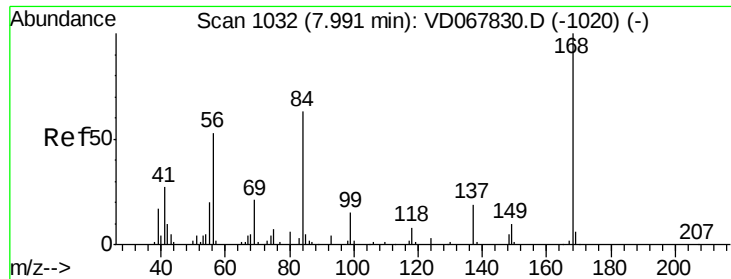
MMDadoda
12/2/2020 12:23:53 PM



#30
Chloroform
Concen: 5.468 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.0	76.4





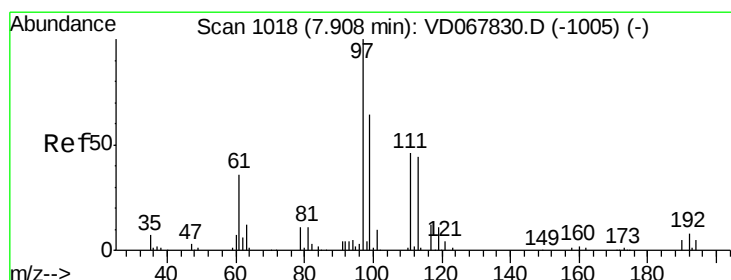
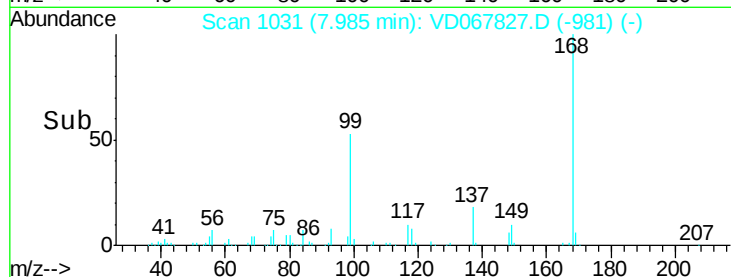
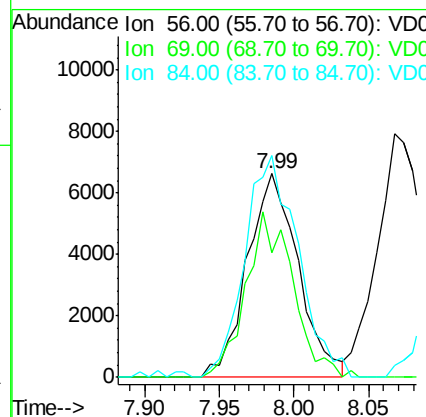
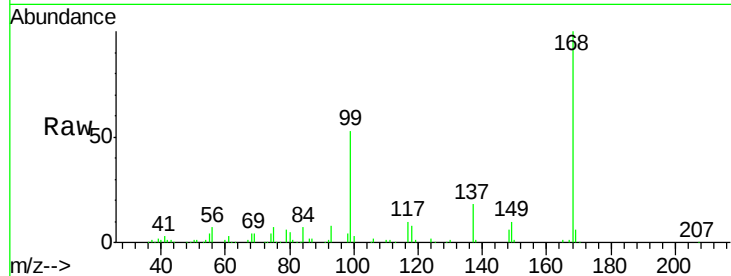
#31
Cyclohexane
Concen: 6.283 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	61.3	32.1	48.1#
84	108.6	93.2	139.8

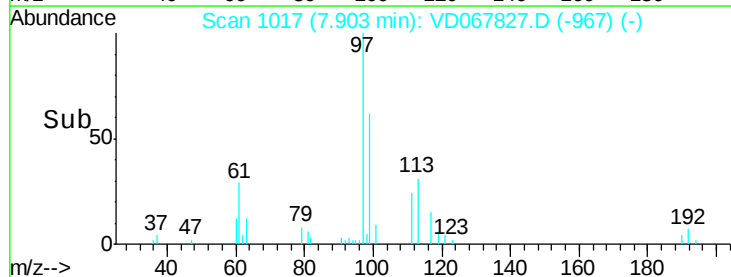
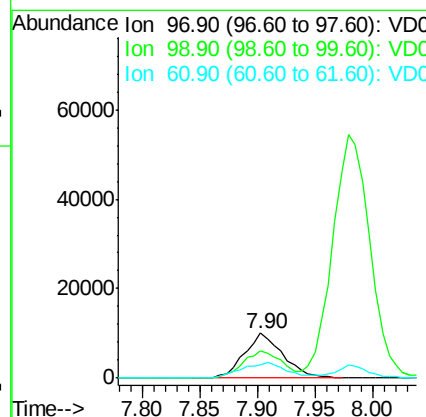
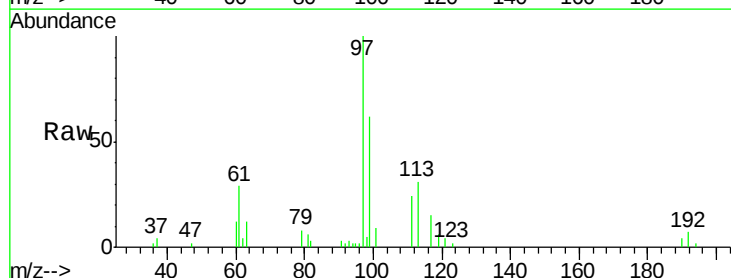
Manual Integrations
APPROVED

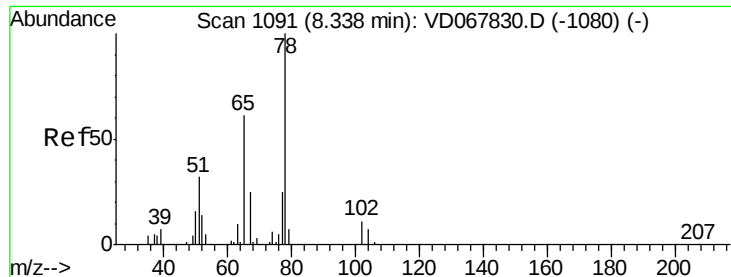
MMDadoda
12/2/2020 12:23:53 PM



#32
1,1,1-Trichloroethane
Concen: 5.571 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.7	51.4	77.2
61	39.6	30.8	46.2





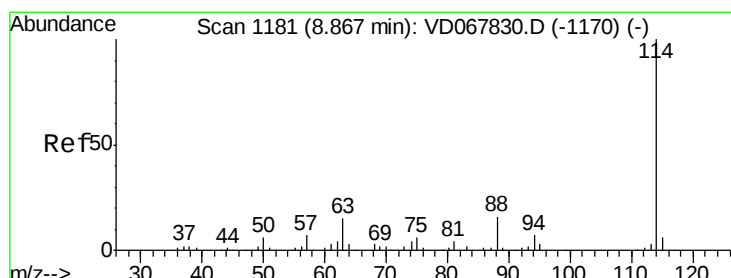
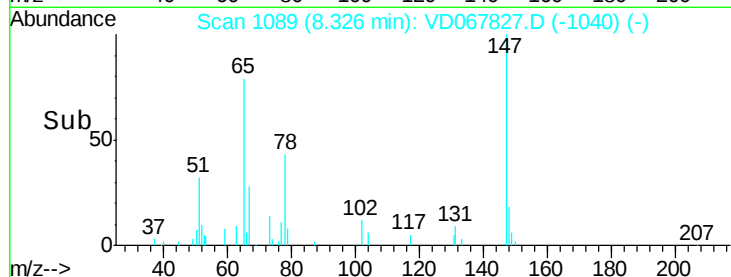
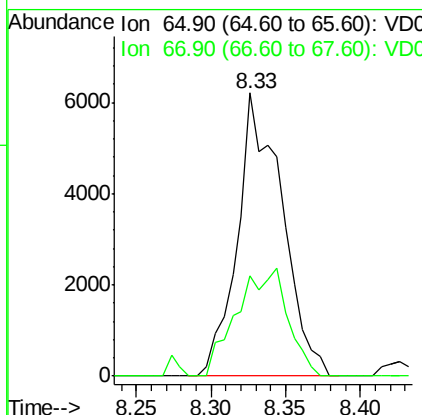
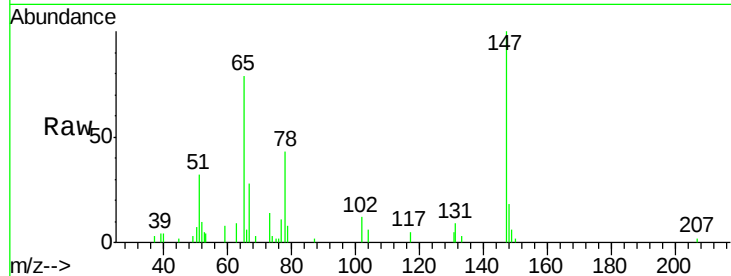
#33
 1,2-Dichloroethane-d4
 Concen: 5.436 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	12856		
67	43.4	0.0	92.0	

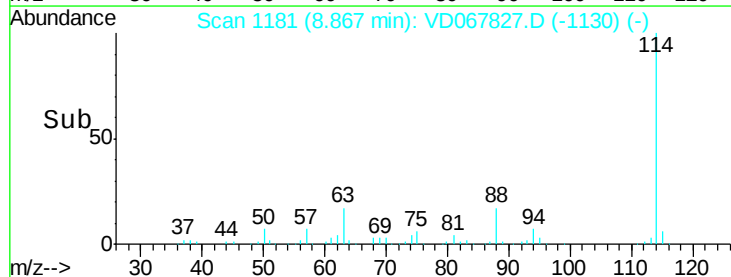
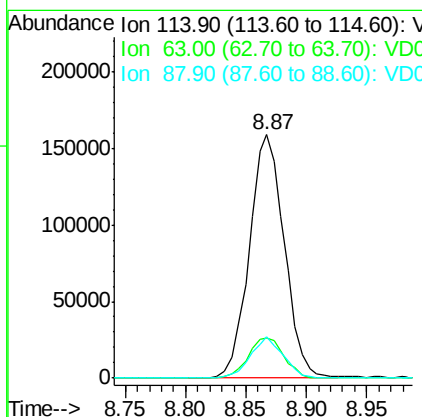
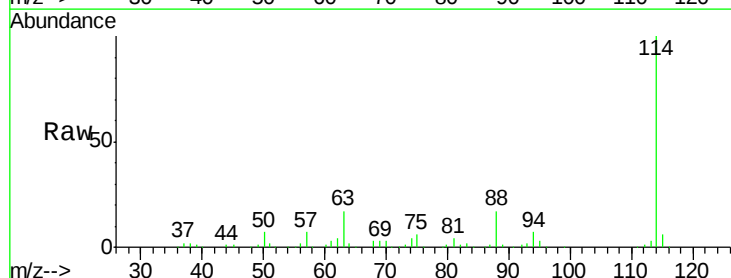
Manual Integrations
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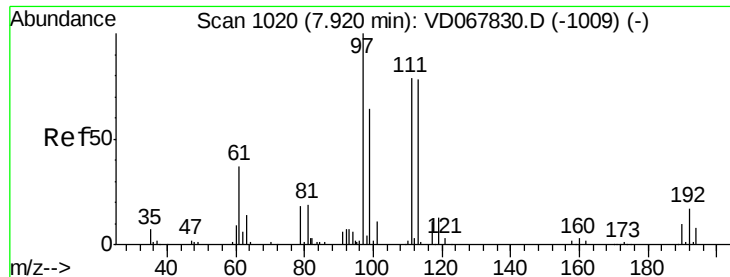
MMDadoda
 12/2/2020 12:23:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	320579		
63	16.5	0.0	30.8	
88	17.2	0.0	31.8	





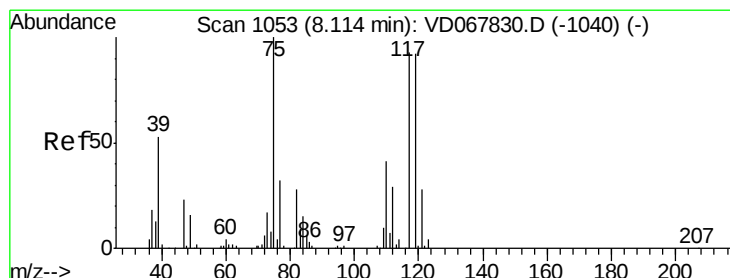
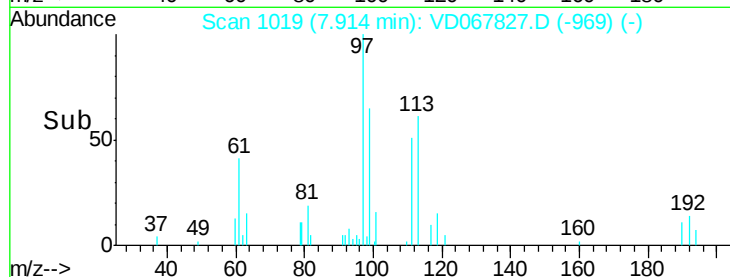
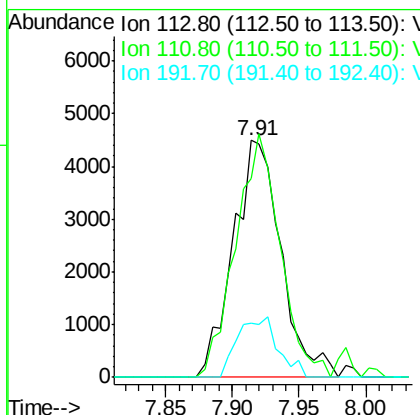
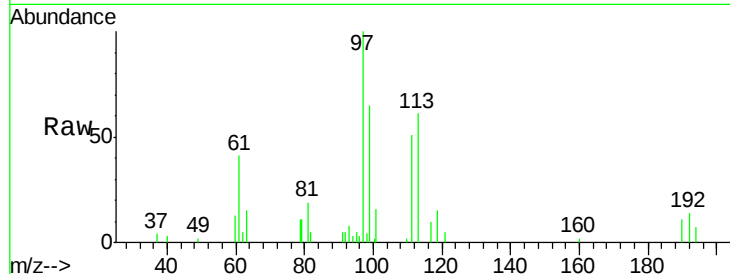
#35
 Dibromofluoromethane
 Concen: 5.206 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	95.5	81.2	121.8
192	21.3	16.8	25.2

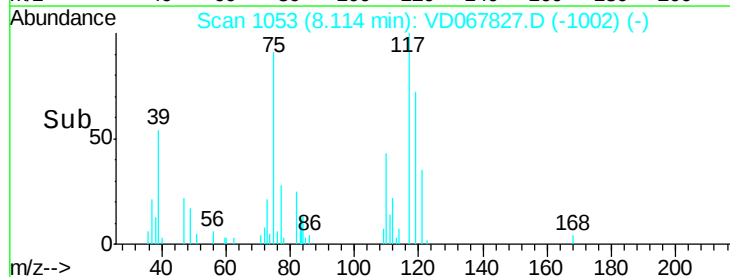
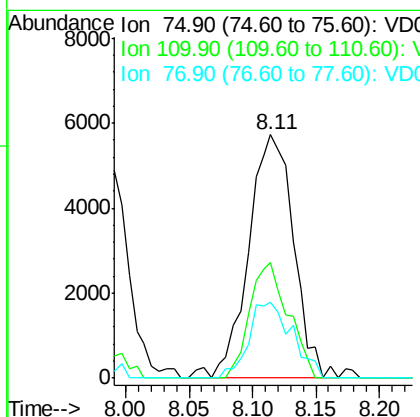
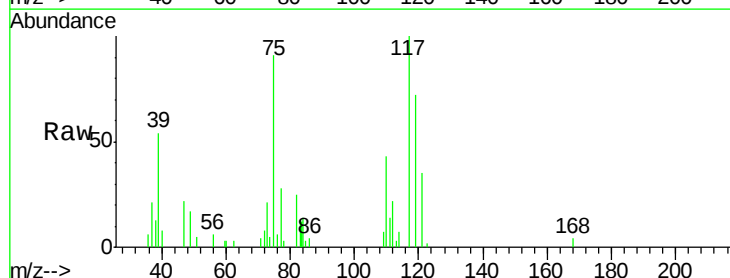
Manual Integrations
 APPROVED

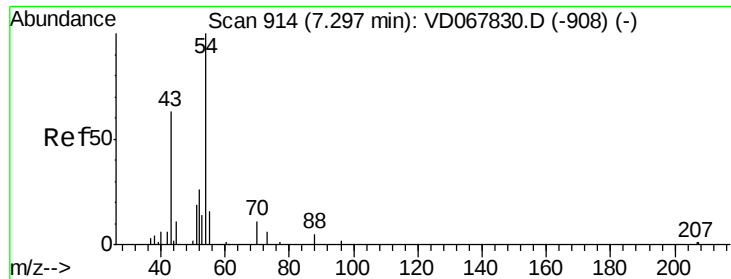
MMDadoda
 12/2/2020 12:23:53 PM



#36
 1,1-Dichloropropene
 Concen: 5.108 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.8	20.3	61.0
77	30.2	24.7	37.1





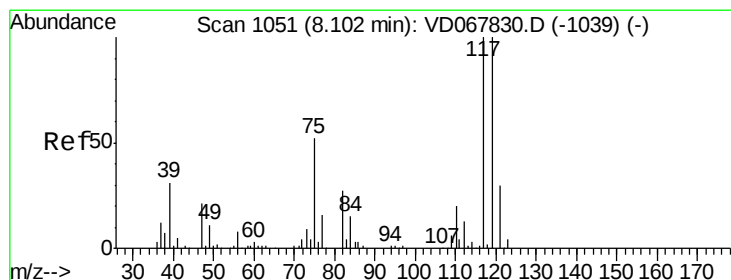
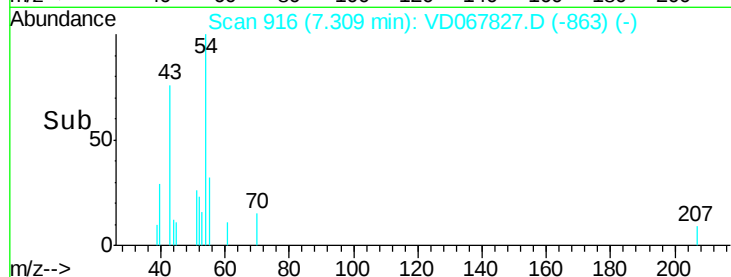
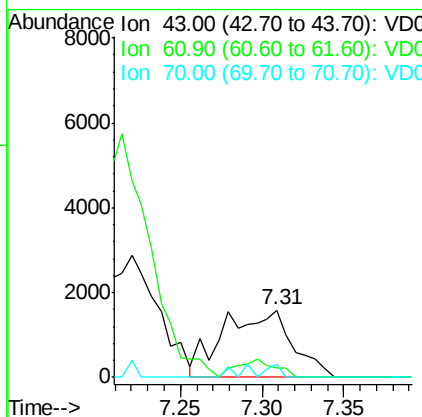
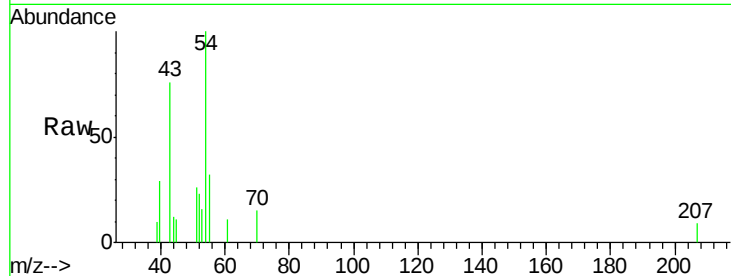
#37
Ethyl Acetate
Concen: 7.171 ug/l m
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.2#
70	1.9	11.5	17.3#

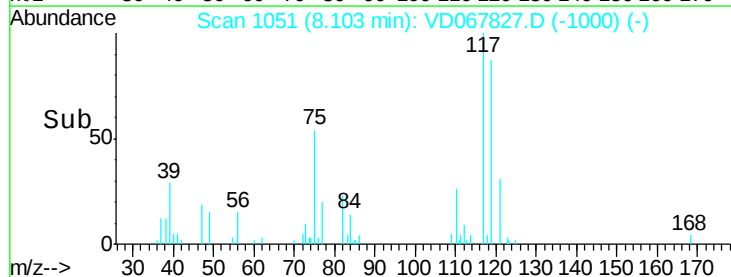
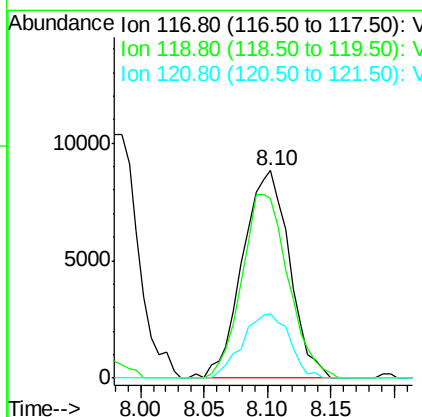
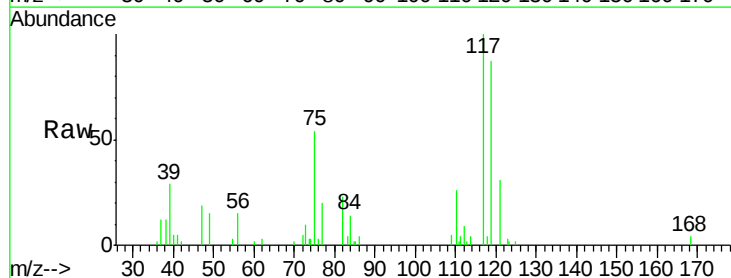
Manual Integrations
APPROVED

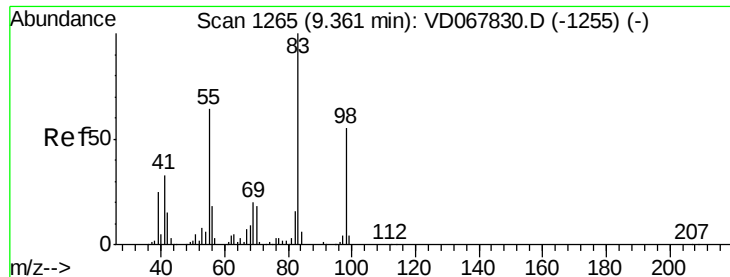
MMDadoda
12/2/2020 12:23:53 PM



#38
Carbon Tetrachloride
Concen: 5.383 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.8	79.7	119.5
121	31.2	23.8	35.6





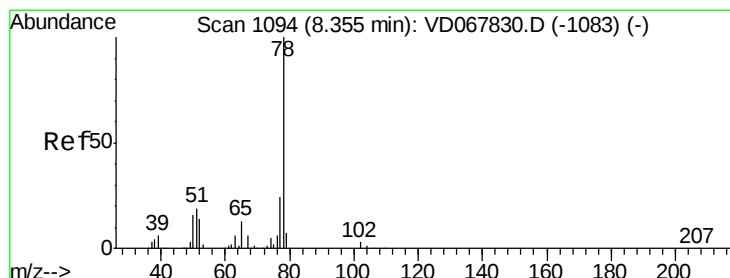
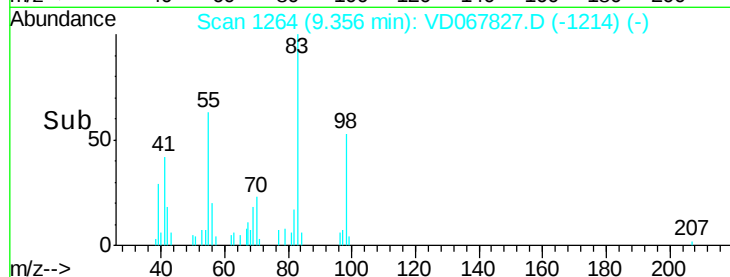
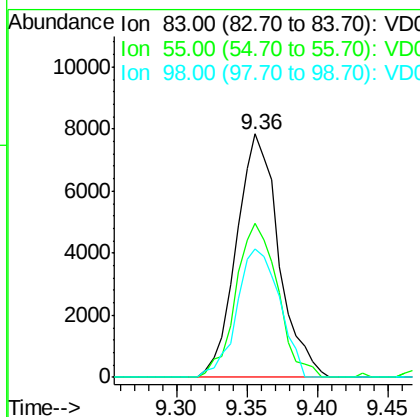
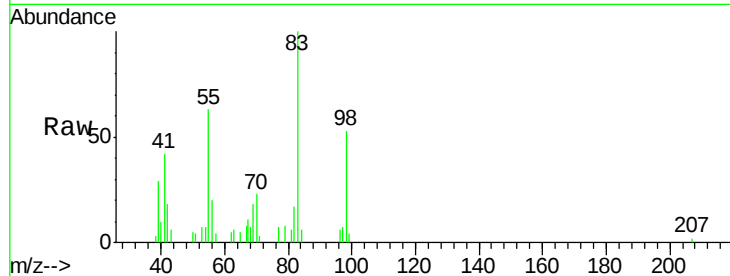
#39
Methvlcvclohexane
Concen: 5.003 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.1	51.6	77.4
98	52.9	44.3	66.5

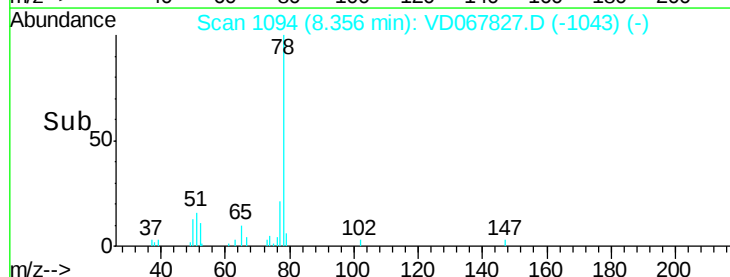
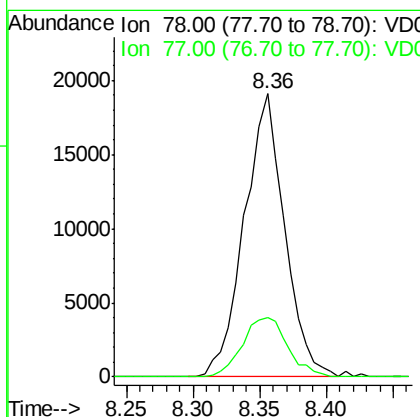
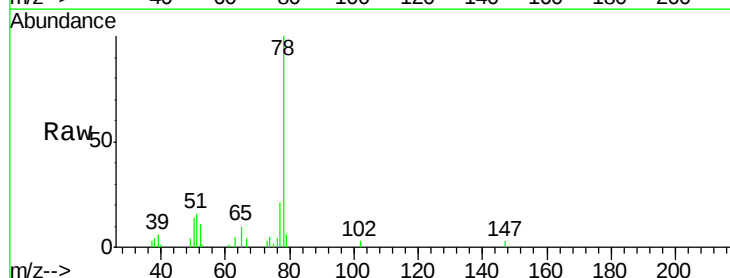
Manual Integrations
APPROVED

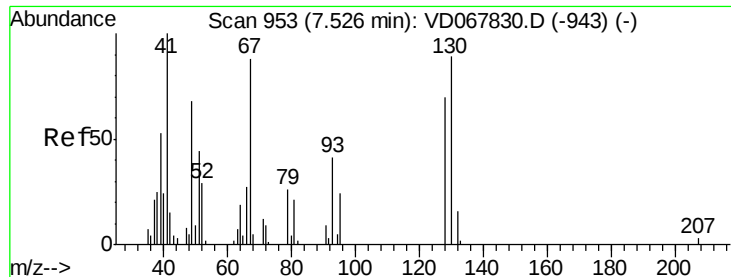
MMDadoda
12/2/2020 12:23:53 PM



#40
Benzene
Concen: 5.250 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.0	19.1	28.7





#41

Methacrylonitrile

Concen: 6.316 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 2297

Ion Ratio Lower Upper

41 100

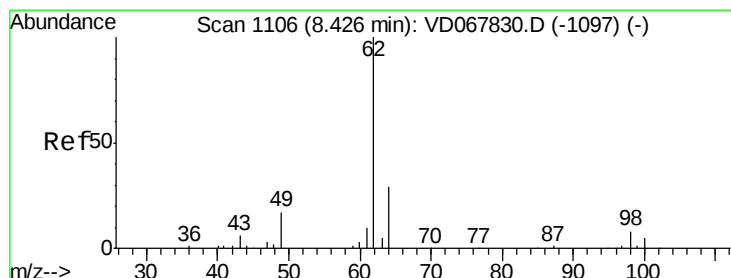
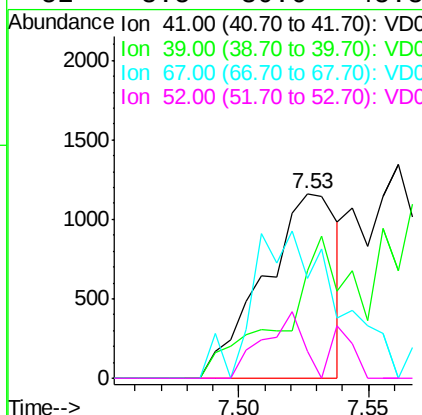
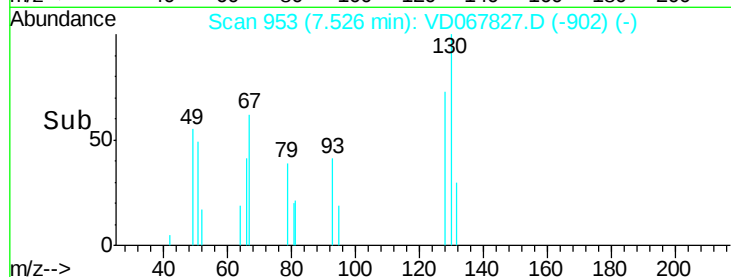
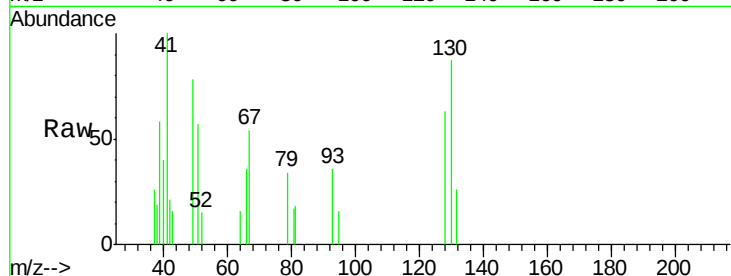
39 72.2 42.1 63.1#

67 0.0 82.4 123.6#

52 8.5 30.6 45.8#

Manual Integrations
APPROVED

MMDadoda
12/2/2020 12:23:53 PM



#42

1,2-Dichloroethane

Concen: 5.088 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067827.D

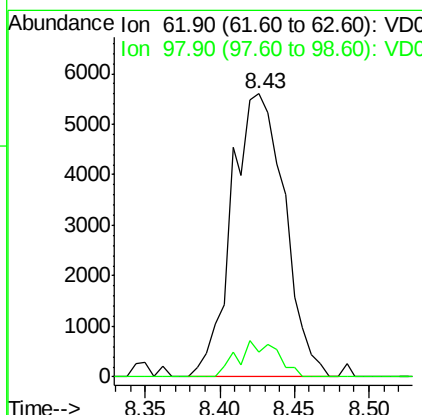
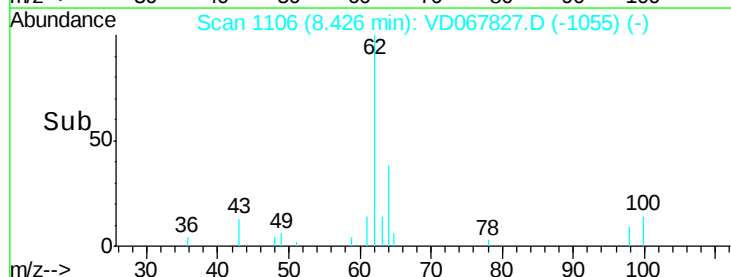
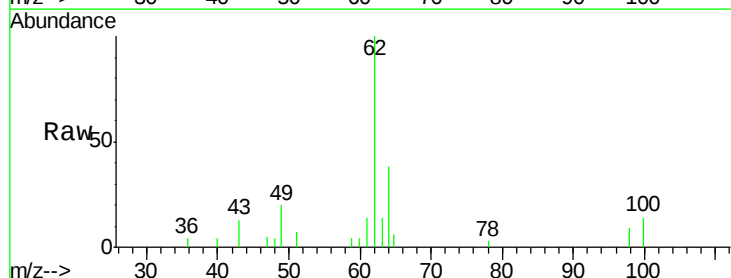
Acq: 01 Dec 2020 10:34

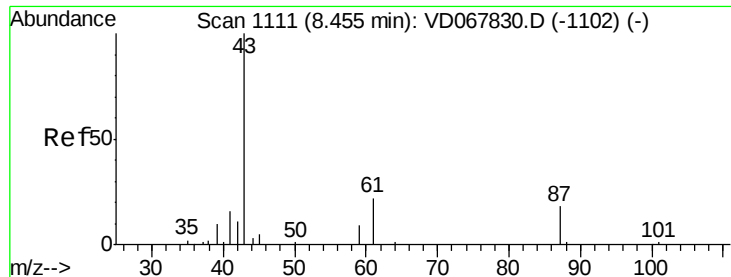
Tgt Ion: 62 Resp: 13770

Ion Ratio Lower Upper

62 100

98 9.5 0.0 17.2





#43

Isopropyl Acetate

Concen: 5.093 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

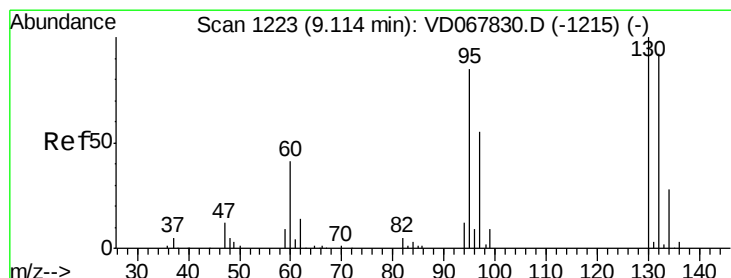
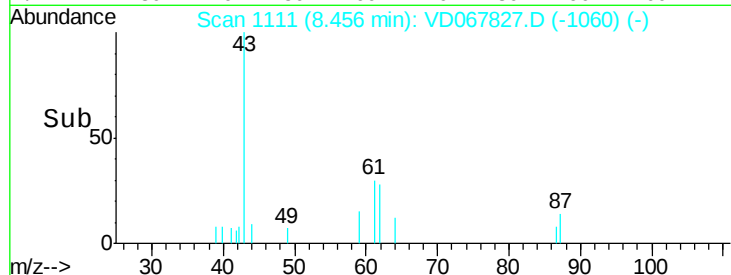
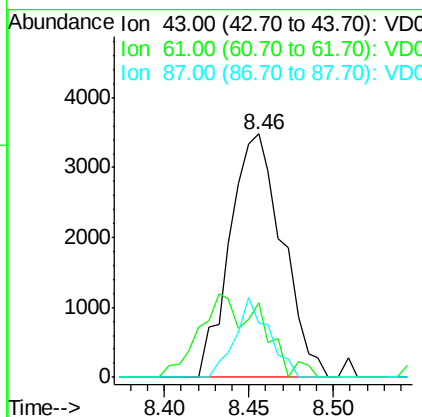
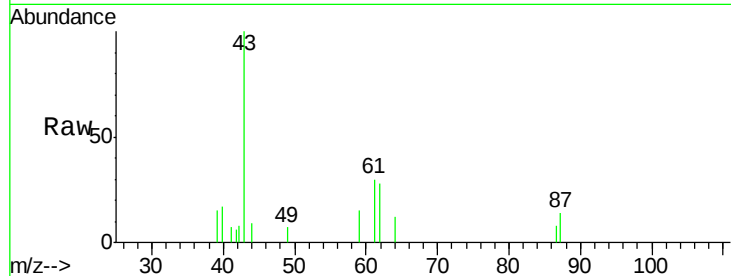
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	7495
Ion	Ratio	Lower	Upper
43	100		
61	0.0	30.4	45.6#
87	21.0	16.2	24.2

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#44

Trichloroethene

Concen: 5.284 ug/l

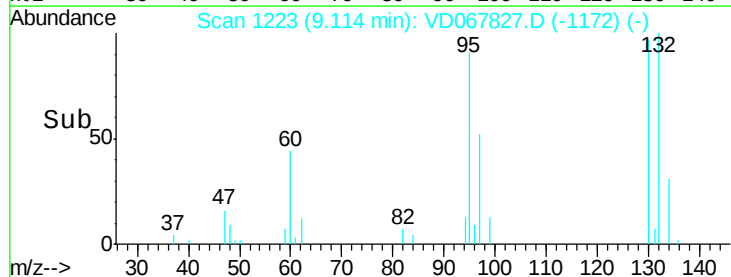
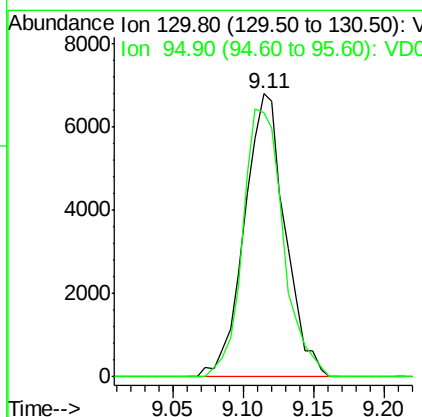
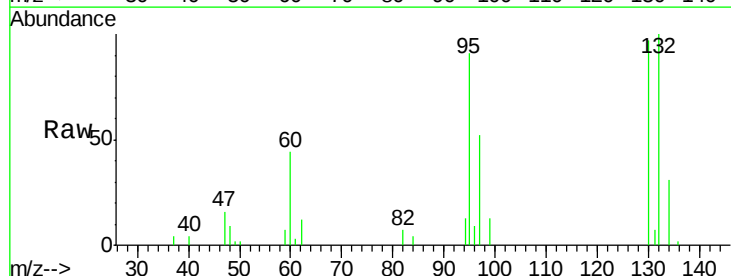
RT: 9.11 min Scan# 1223

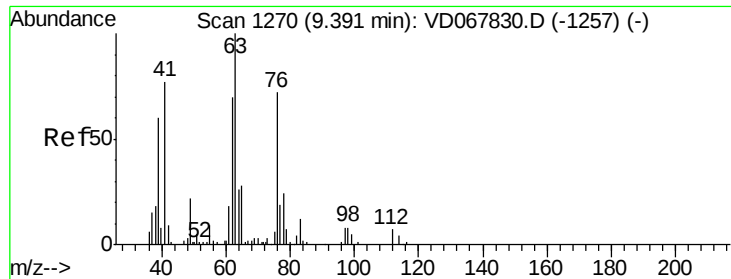
Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Tgt Ion:	130	Resp:	13796
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	170.2





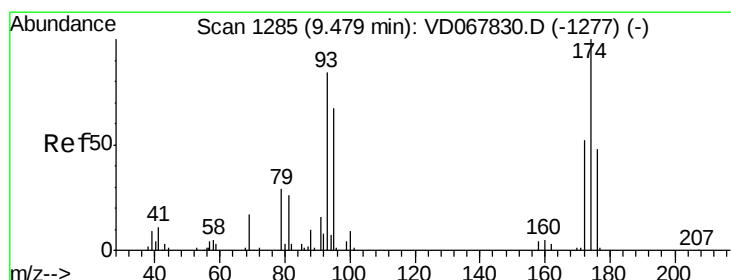
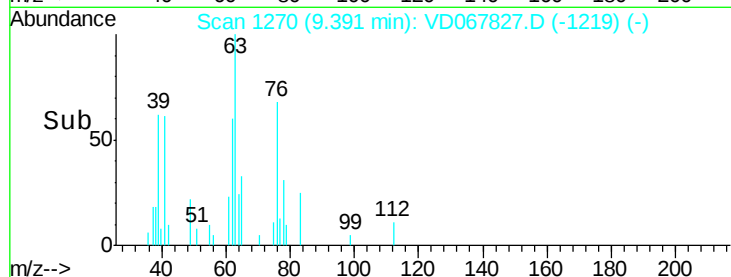
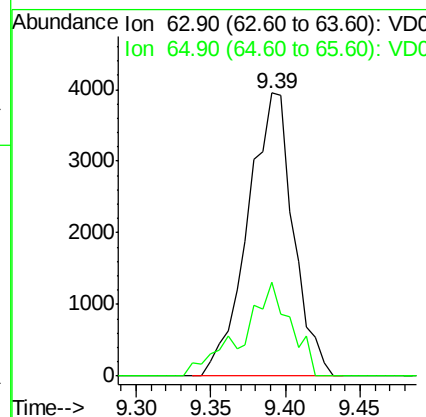
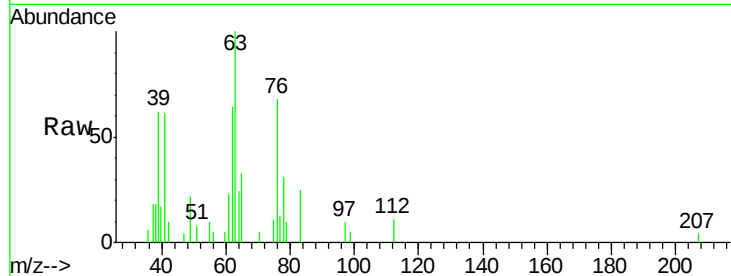
#45
 1,2-Dichloropropane
 Concen: 5.366 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 8364
 Ion Ratio Lower Upper
 63 100
 65 33.1 22.8 34.2

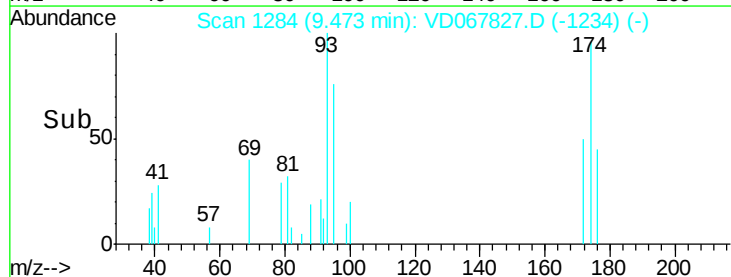
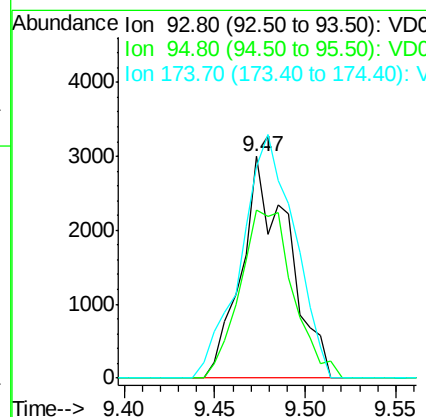
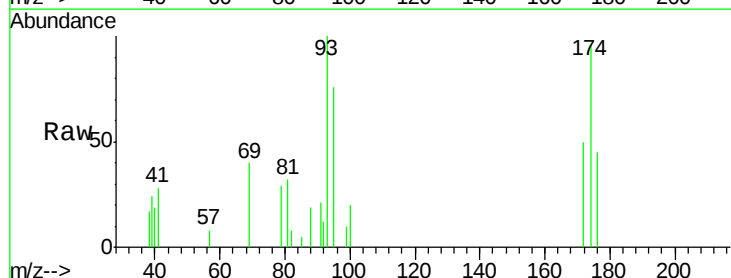
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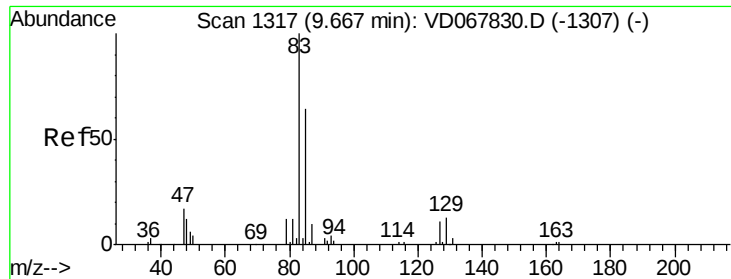
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#46
 Dibromomethane
 Concen: 5.026 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Tgt Ion: 93 Resp: 5446
 Ion Ratio Lower Upper
 93 100
 95 85.1 64.2 96.4
 174 124.2 91.5 137.3





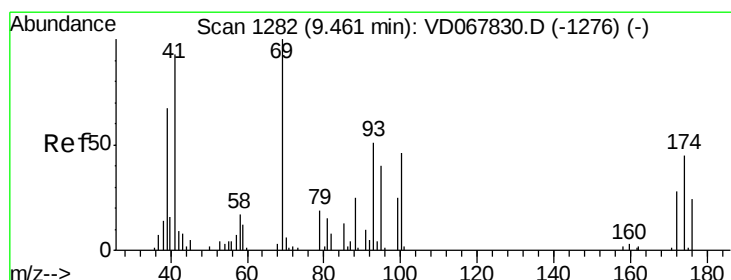
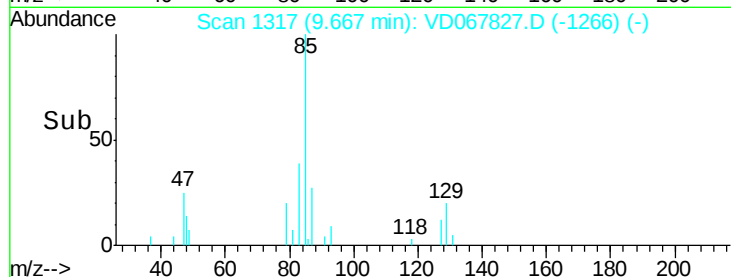
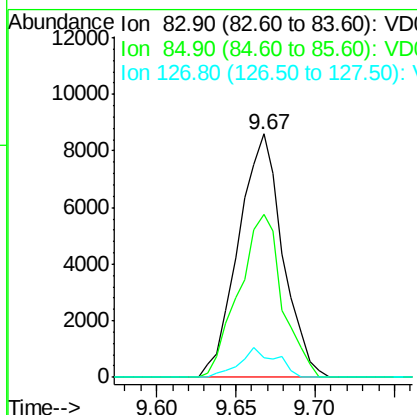
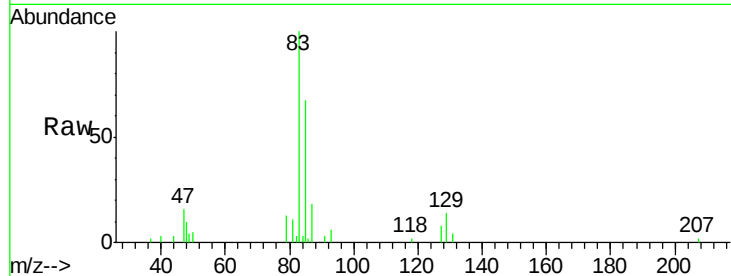
#47
Bromodichloromethane
Concen: 5.382 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	16626		
85	67.0		51.4	77.0
127	8.3		8.5	12.7#

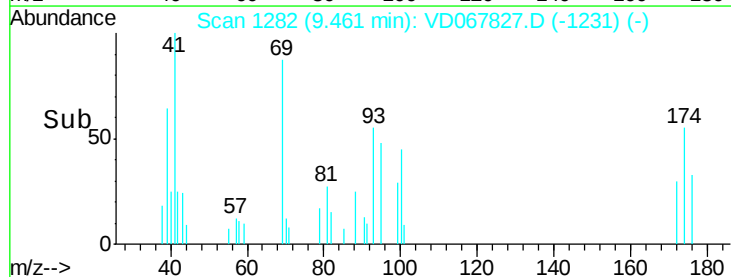
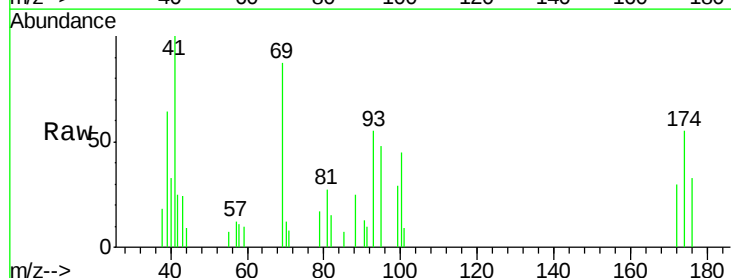
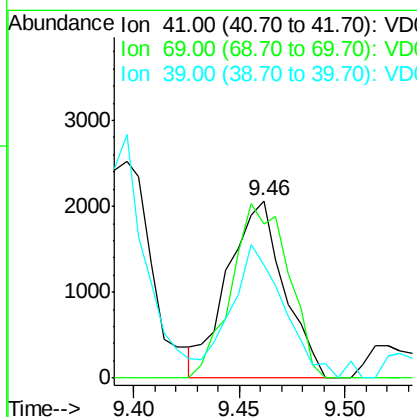
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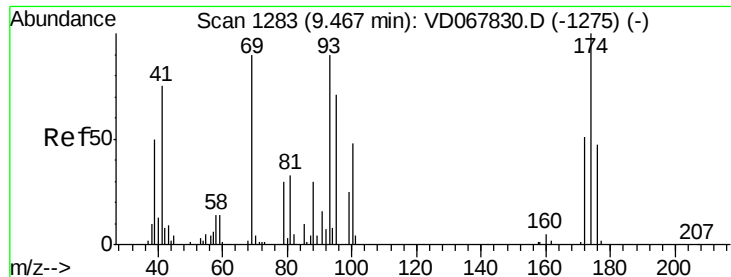
MMDadoda
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#48
Methyl methacrylate
Concen: 5.105 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	3815		
69	99.6		87.6	131.4
39	69.7		61.2	91.8





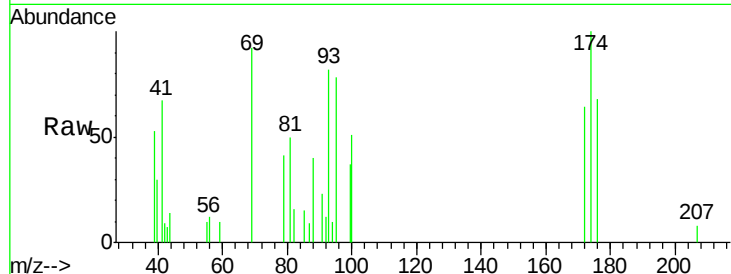
#49
1,4-Dioxane
Concen: 120.171 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	21.0	30.1	45.1#
58	14.7	42.4	63.6#

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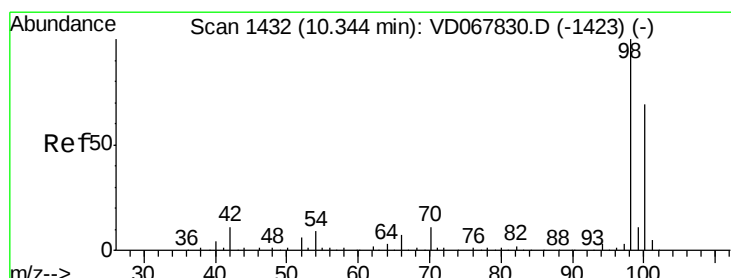
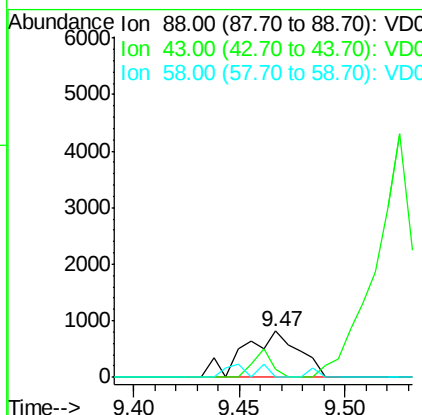
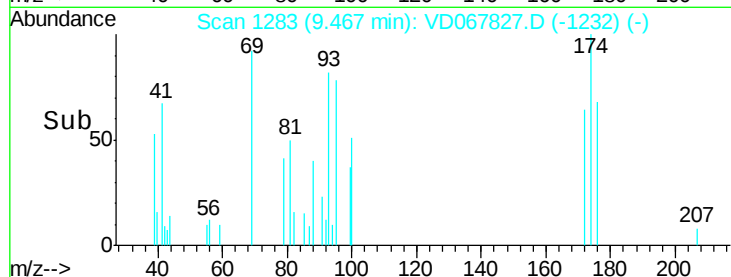


Abundance

Ion 88.00 (87.70 to 88.70): VDC

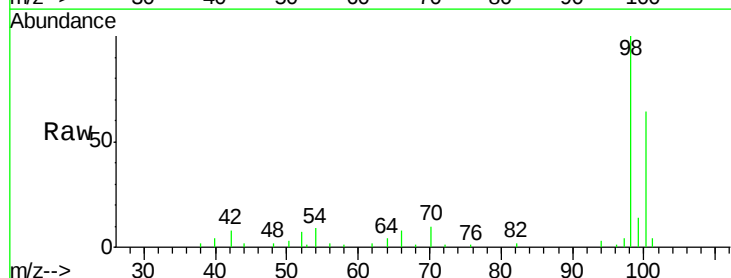
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 4.963 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

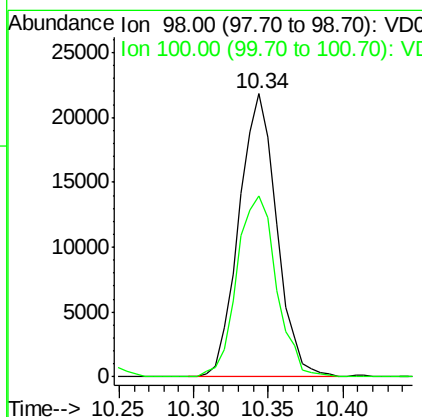
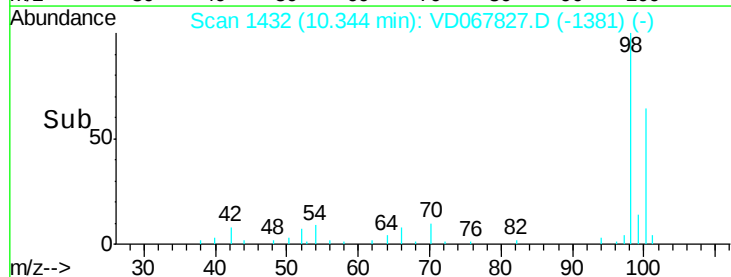
Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.9	79.3

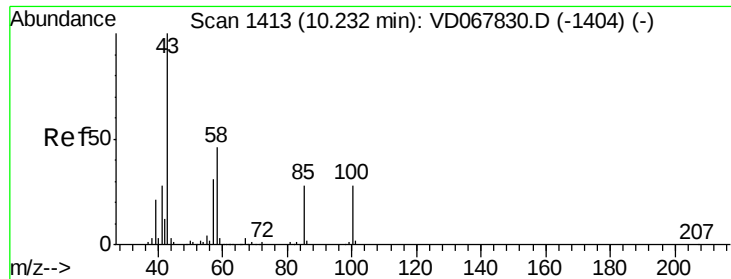


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 24.646 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC005

Tot Ion: 43 Resp: 17167

Ion Ratio Lower Upper

43 100

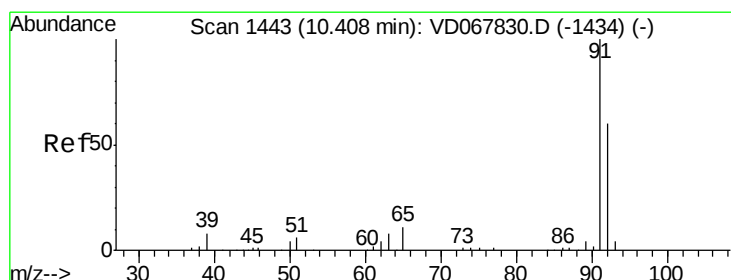
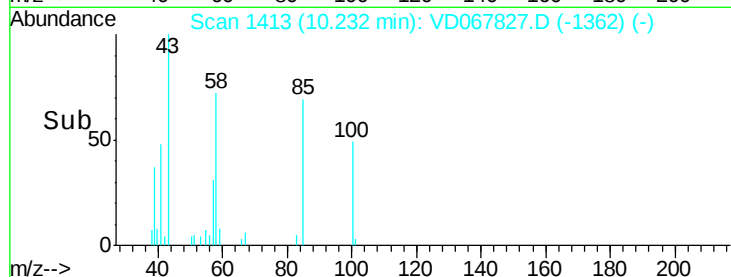
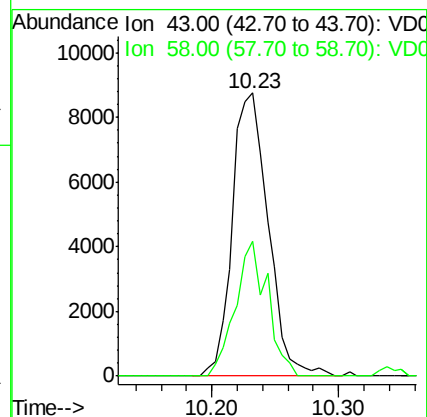
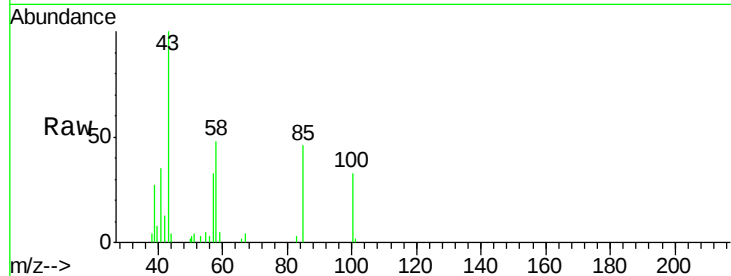
58 42.9 35.7 53.5

Manual Integrations

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#52

Toluene

Concen: 5.156 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067827.D

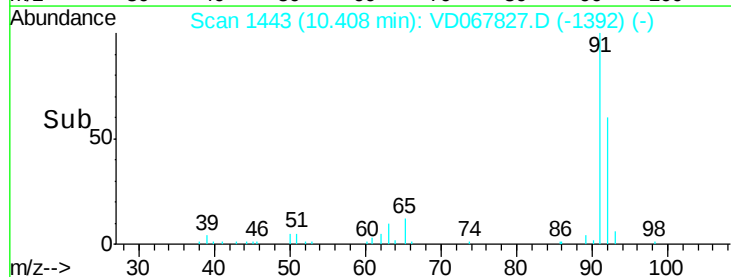
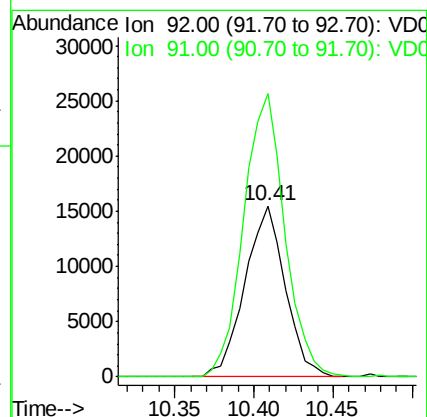
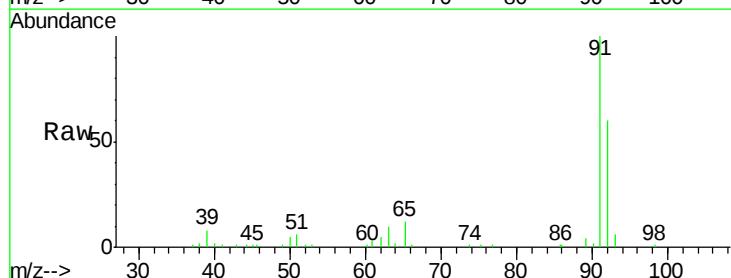
Acq: 01 Dec 2020 10:34

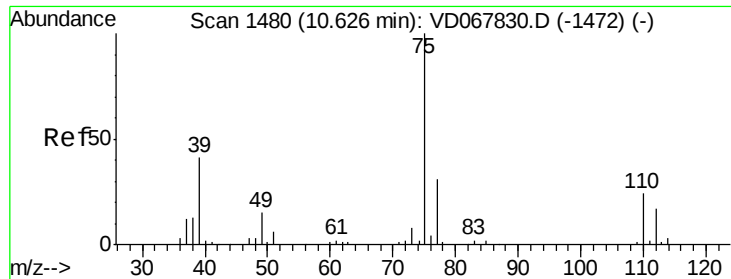
Tgt Ion: 92 Resp: 27372

Ion Ratio Lower Upper

92 100

91 168.8 134.2 201.2





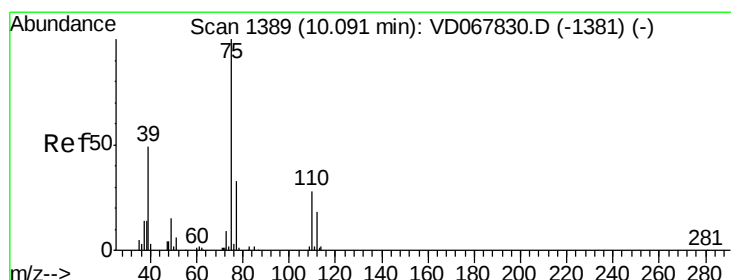
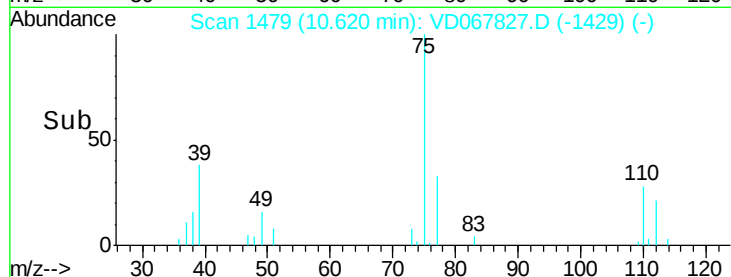
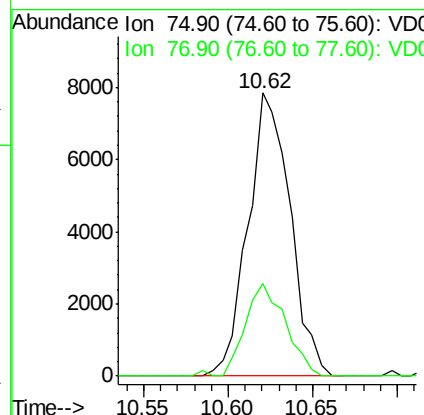
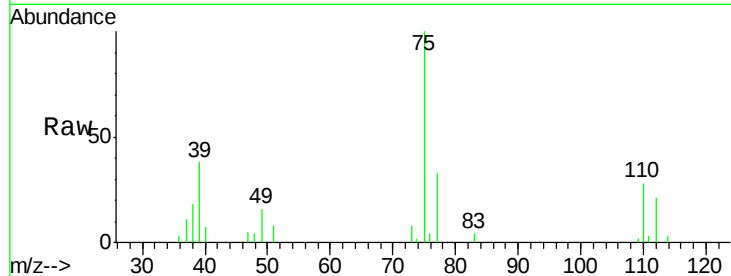
#53
t-1,3-Dichloropropene
Concen: 5.112 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 13630
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.4

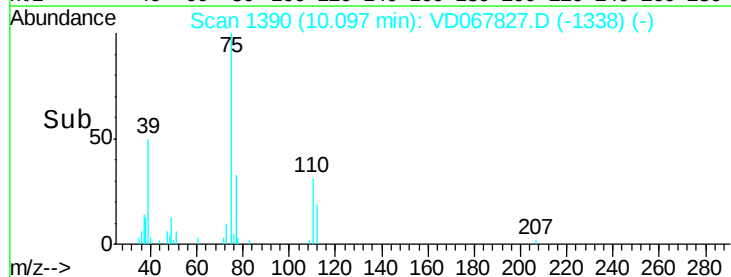
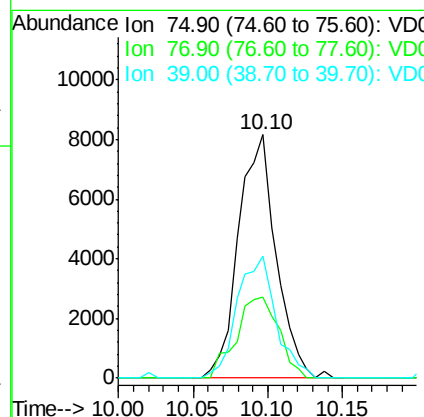
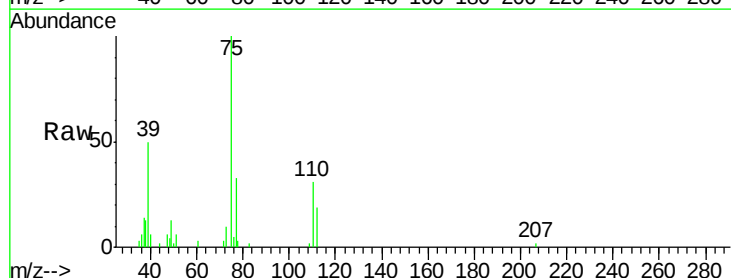
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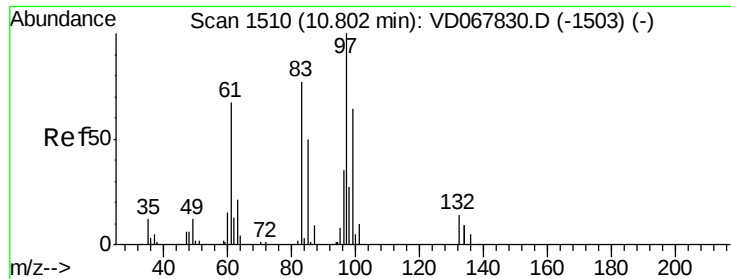
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#54
cis-1,3-Dichloropropene
Concen: 4.939 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion: 75 Resp: 14325
Ion Ratio Lower Upper
75 100
77 33.3 26.2 39.2
39 50.2 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 5.794 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

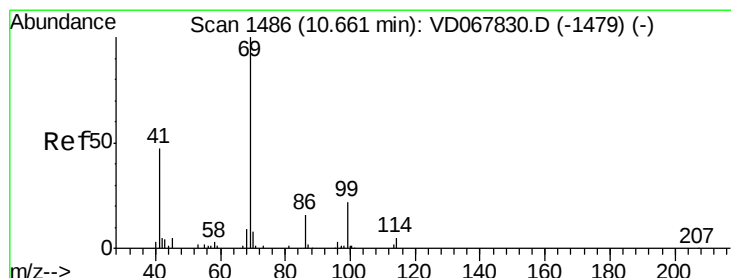
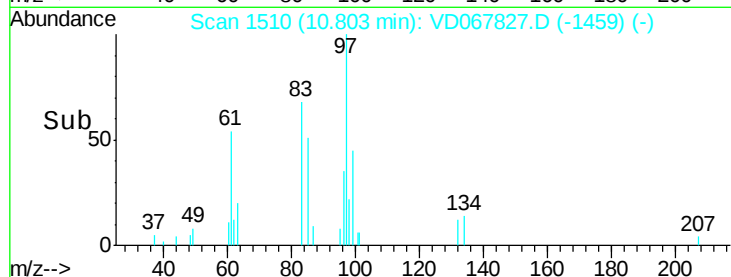
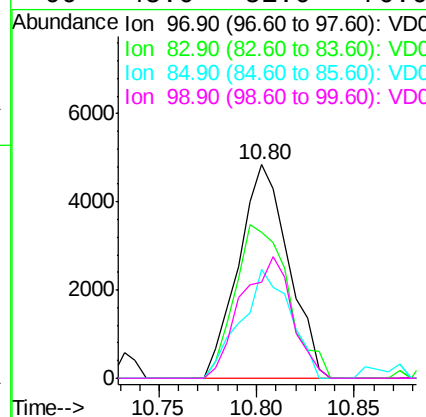
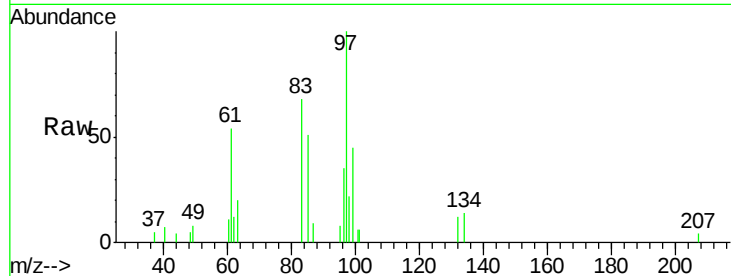
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	8593
Ion	Ratio	Lower	Upper
97	100		
83	68.4	61.9	92.9
85	50.8	40.2	60.4
99	45.0	51.0	76.6#

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#56

Ethyl methacrylate

Concen: 5.071 ug/l

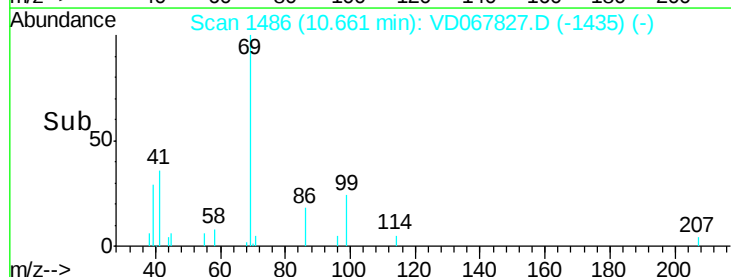
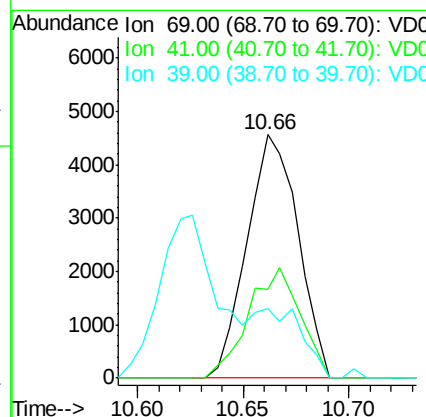
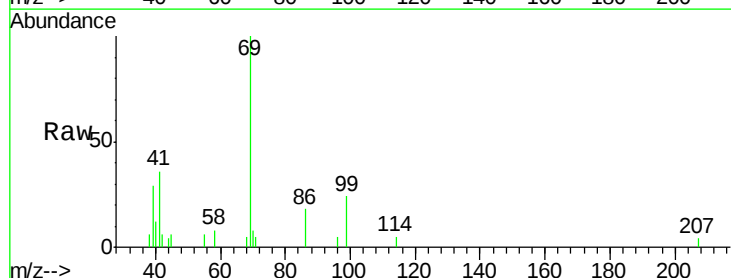
RT: 10.66 min Scan# 1486

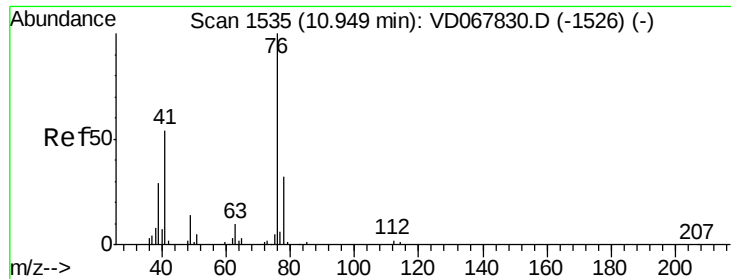
Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Tgt Ion:	69	Resp:	7651
Ion	Ratio	Lower	Upper
69	100		
41	46.2	42.8	64.2
39	0.0	30.5	45.7#





#57

1,3-Dichloropropane

Concen: 5.405 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 12696

Ion Ratio Lower Upper

76 100

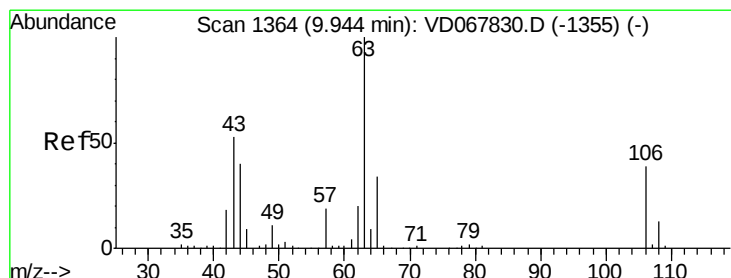
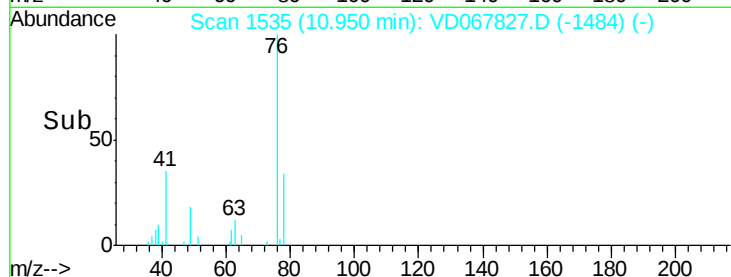
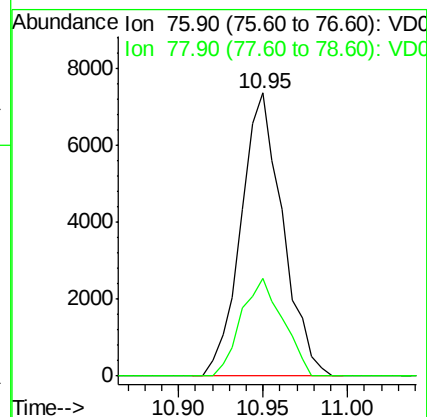
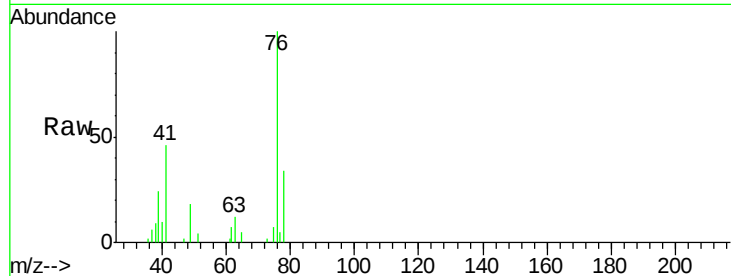
78 34.4 26.6 39.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 25.356 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067827.D

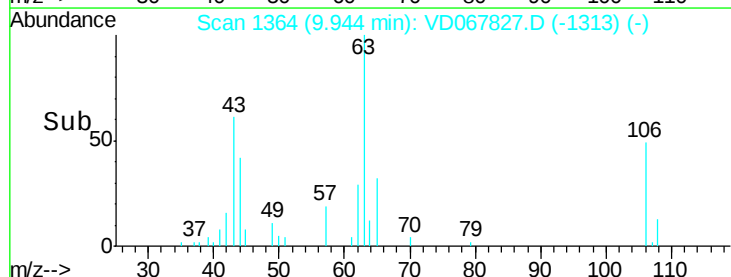
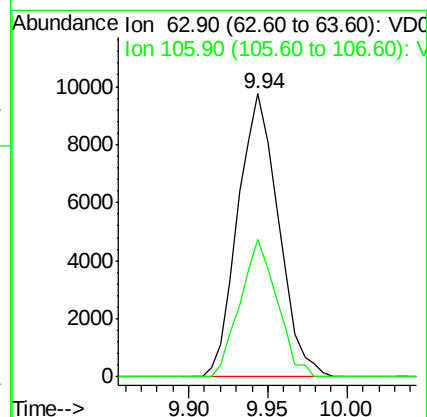
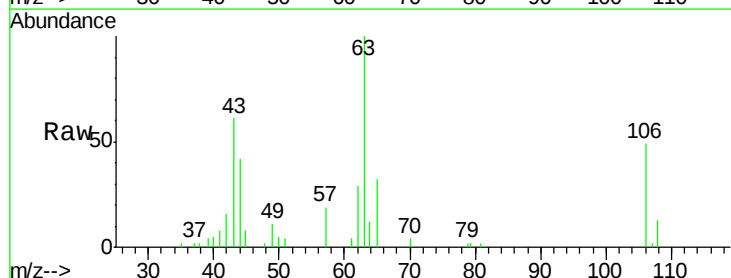
Acq: 01 Dec 2020 10:34

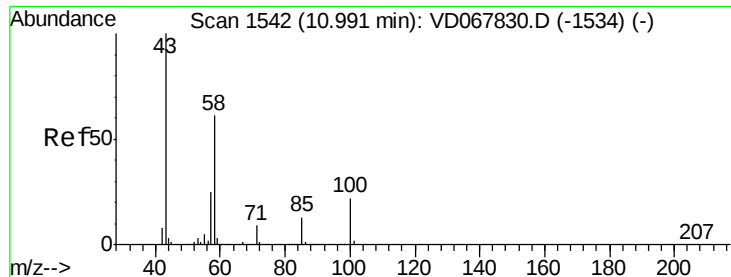
Tgt Ion: 63 Resp: 17409

Ion Ratio Lower Upper

63 100

106 43.9 32.0 48.0





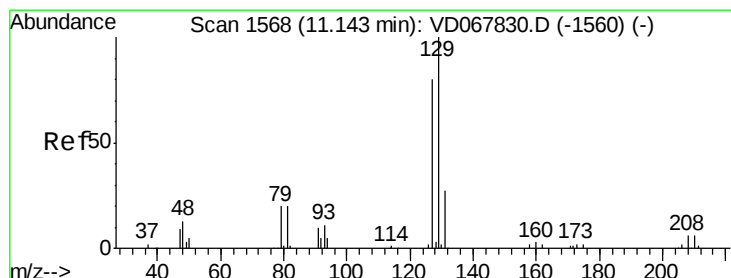
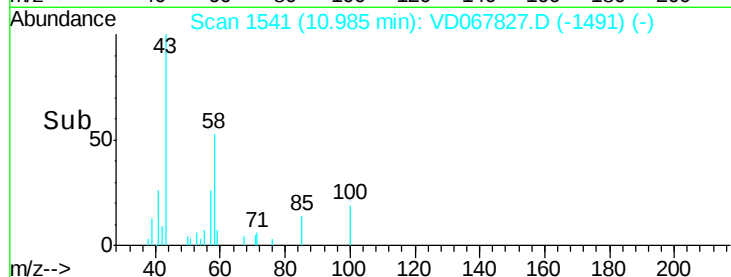
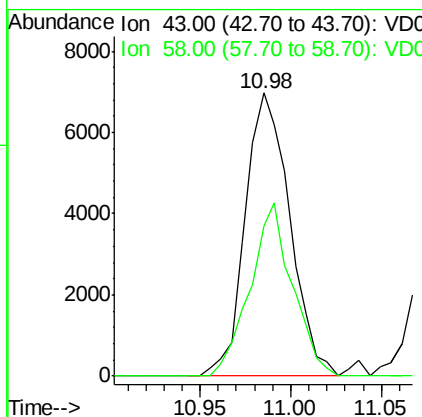
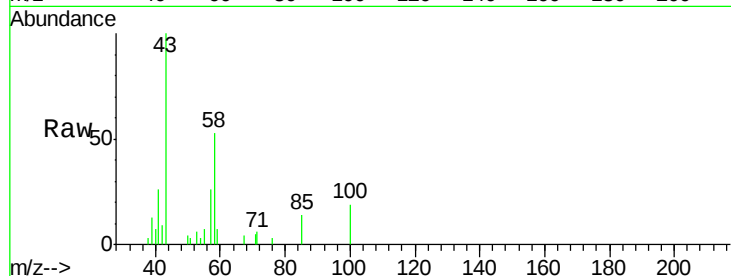
#59
2-Hexanone
Concen: 24.241 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 11903
Ion Ratio Lower Upper
43 100
58 58.3 29.9 89.7

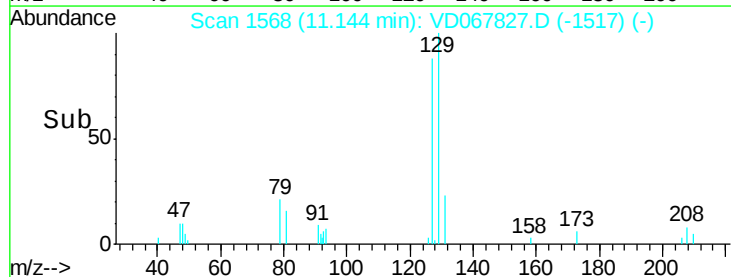
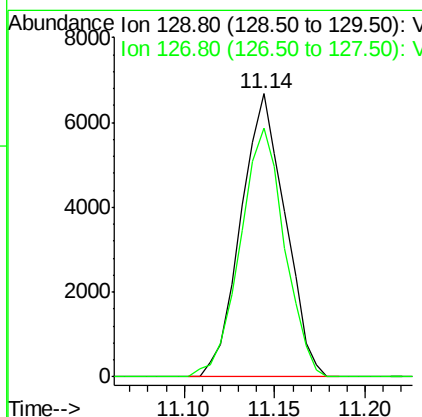
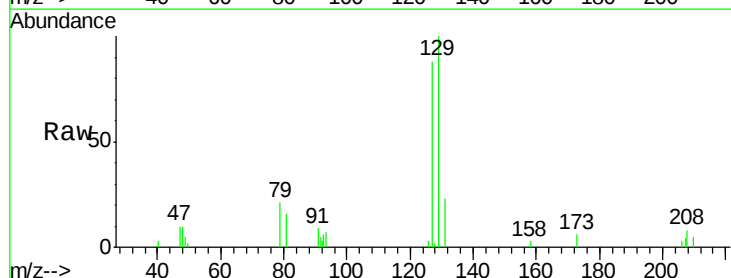
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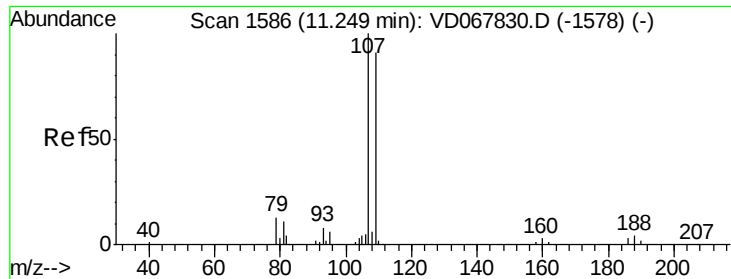
MMDadoda
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#60
Dibromochloromethane
Concen: 5.089 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion: 129 Resp: 11377
Ion Ratio Lower Upper
129 100
127 87.6 39.2 117.6





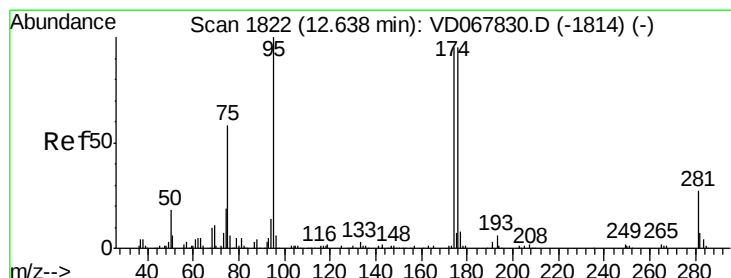
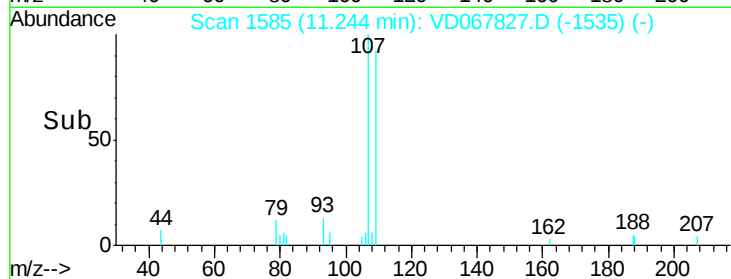
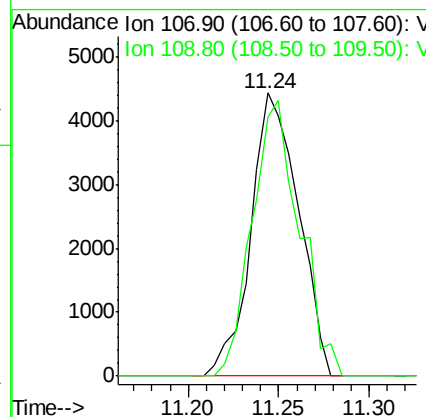
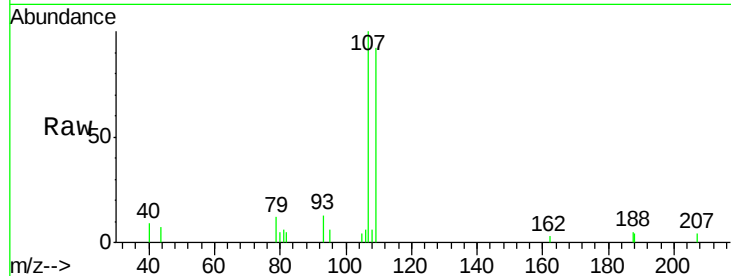
#61
 1,2-Dibromoethane
 Concen: 5.534 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.9	75.9	113.9

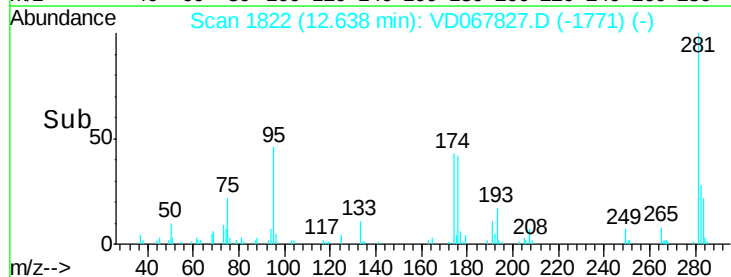
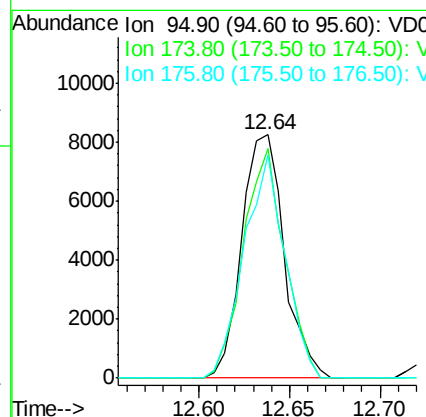
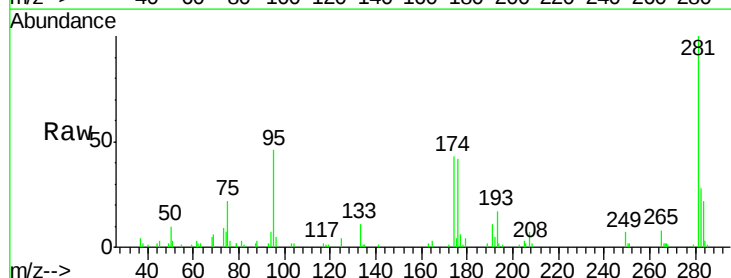
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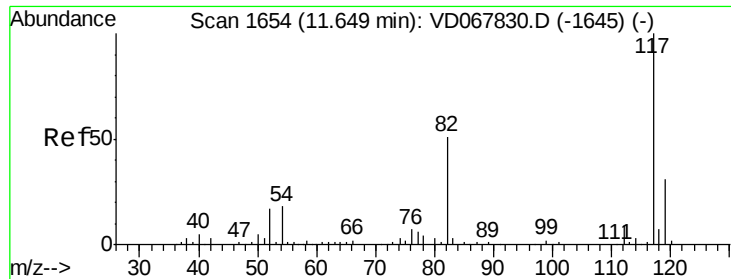
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#62
 4-Bromofluorobenzene
 Concen: 5.033 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.9	0.0	186.0
176	88.8	0.0	184.2





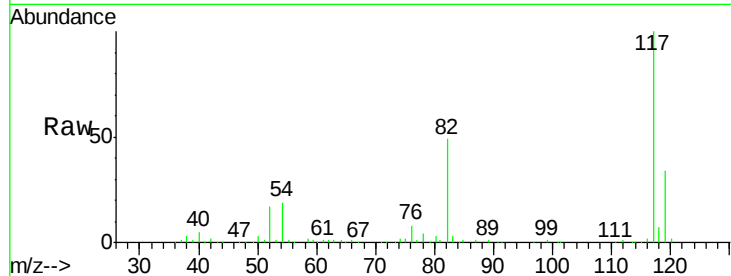
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

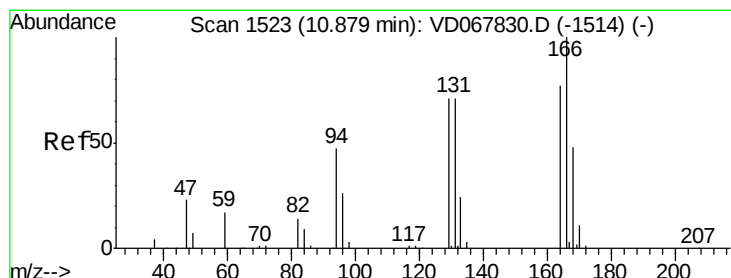
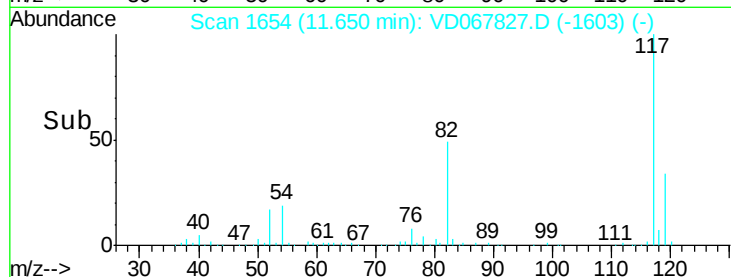
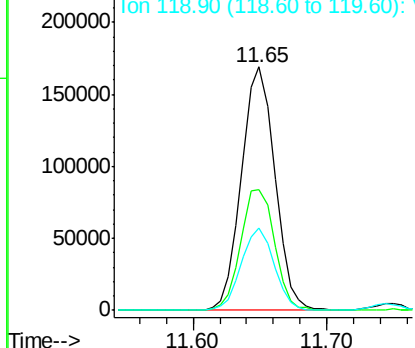
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.5	40.6	60.8
119	33.6	25.1	37.7

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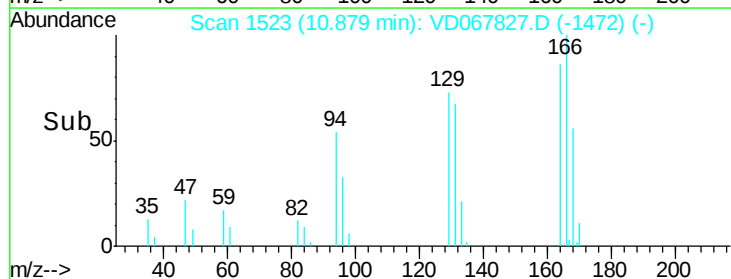
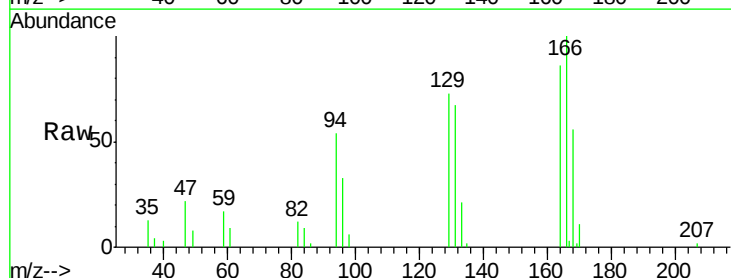
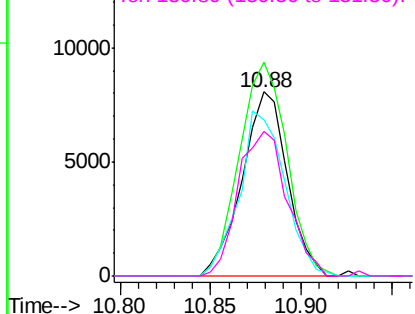
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

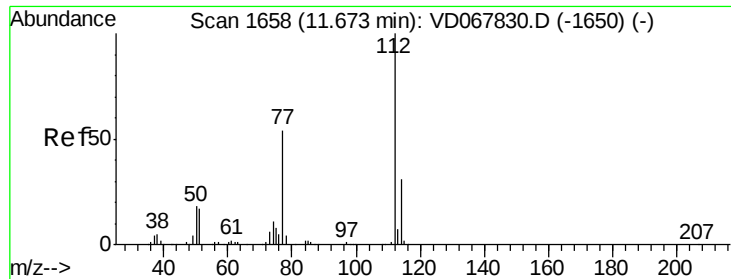


#64
Tetrachloroethene
Concen: 5.841 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.2	103.8	155.6
129	85.3	73.3	109.9
131	78.4	74.1	111.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





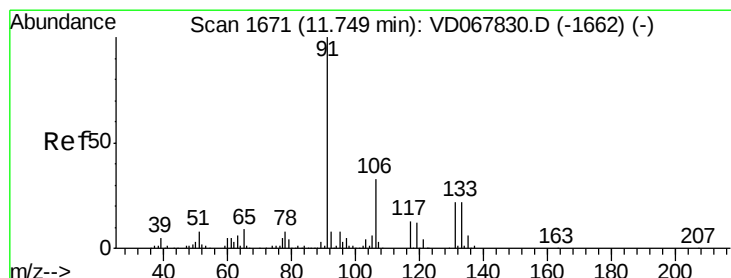
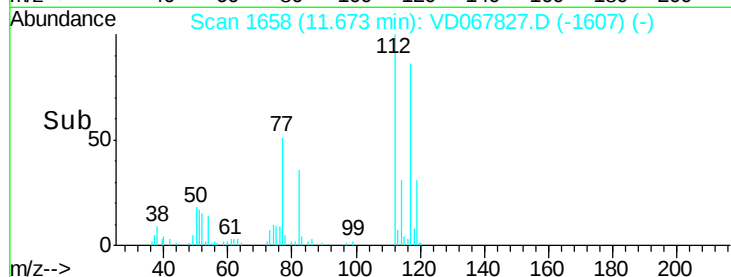
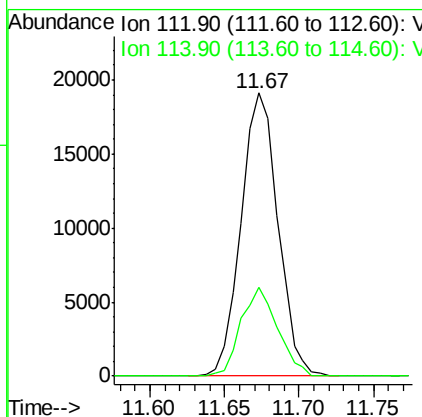
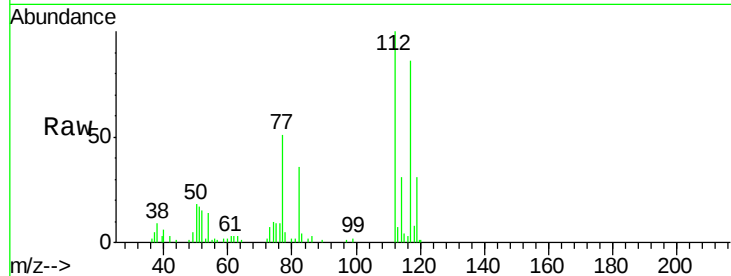
#65
Chlorobenzene
Concen: 5.391 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 32723
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.4

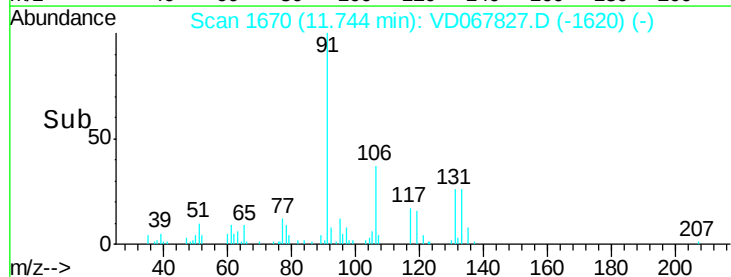
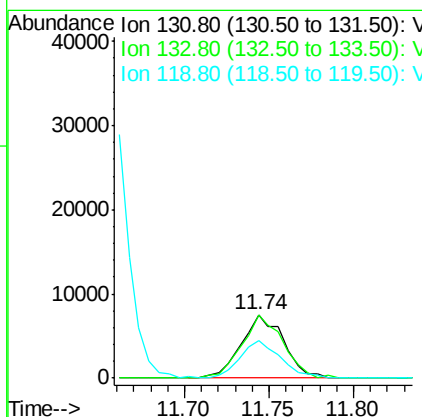
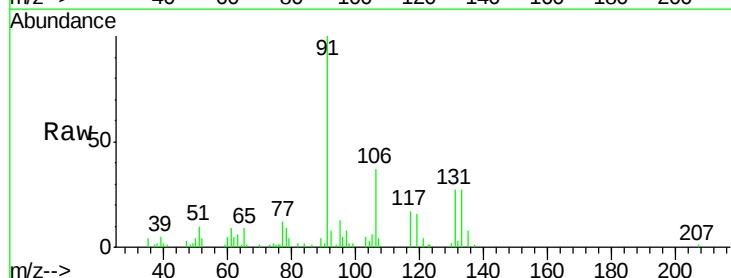
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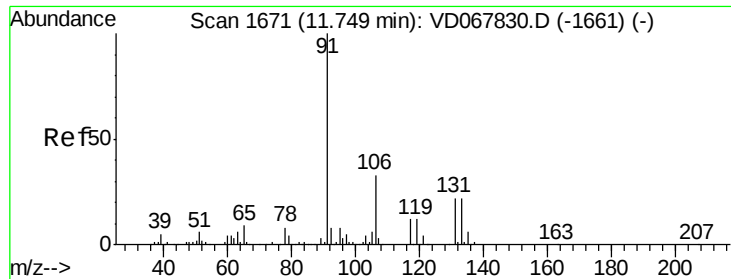
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.307 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion:131 Resp: 13138
Ion Ratio Lower Upper
131 100
133 96.1 49.9 149.7
119 56.3 29.6 88.9





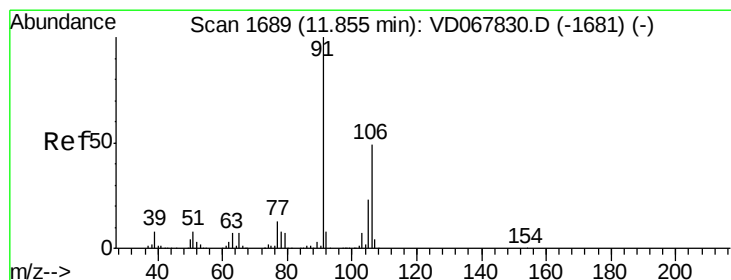
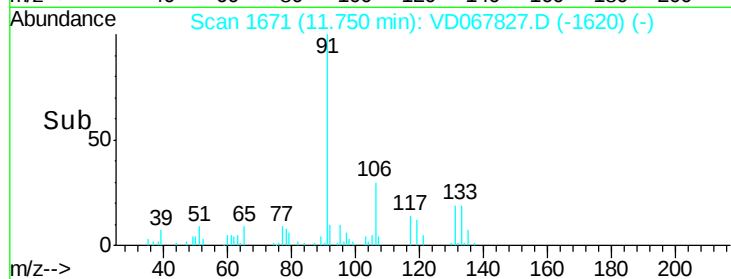
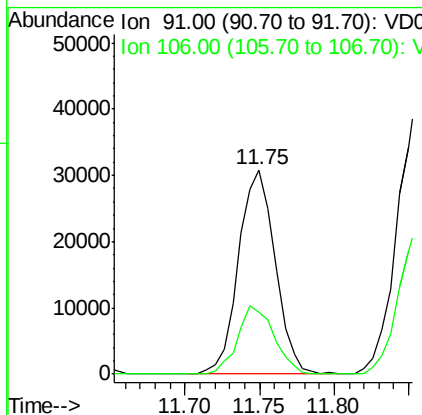
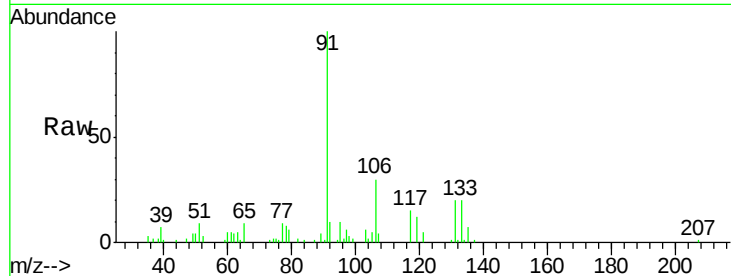
#67
Ethyl Benzene
Concen: 5.066 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 52380
Ion Ratio Lower Upper
91 100
106 30.4 26.2 39.2

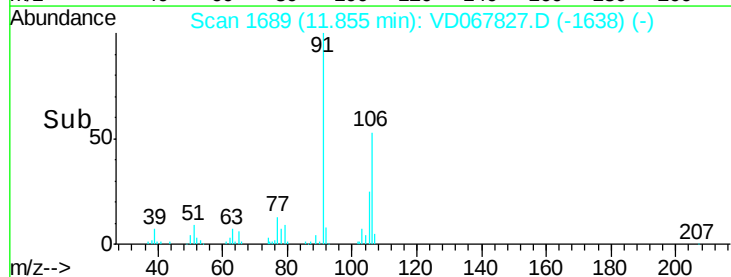
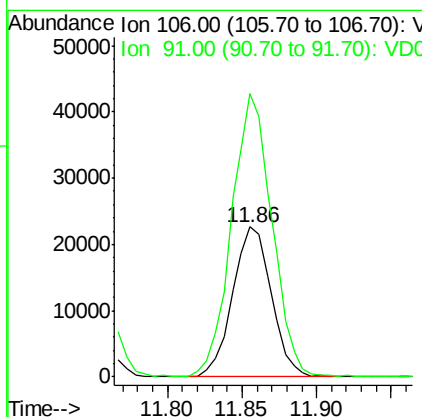
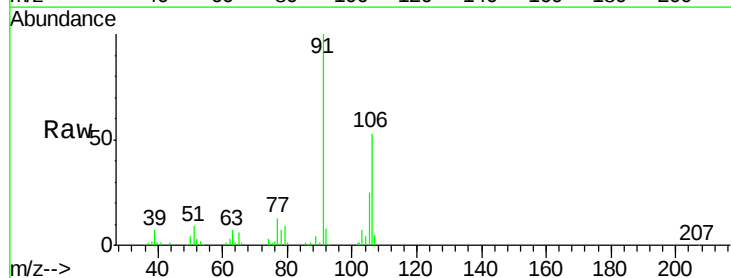
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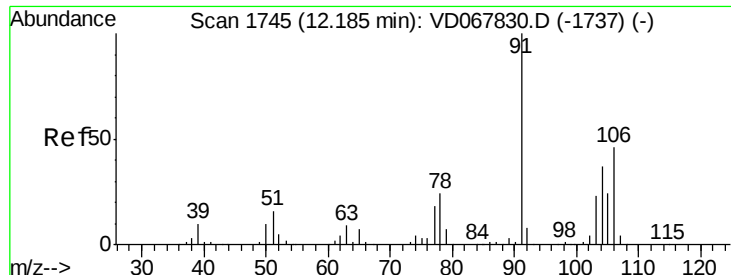
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#68
m/p-Xylenes
Concen: 10.015 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion: 106 Resp: 40834
Ion Ratio Lower Upper
106 100
91 196.3 162.8 244.2





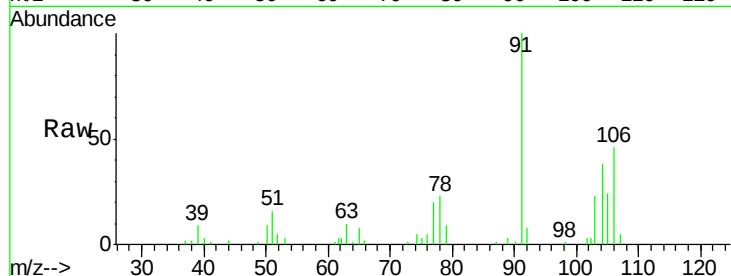
#69
o-Xylene
Concen: 4.856 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

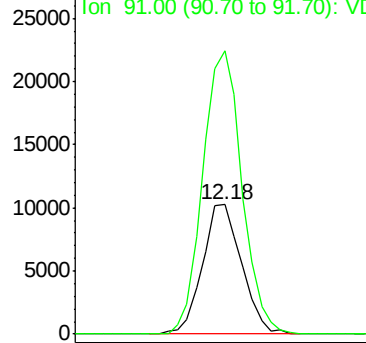
Tot Ion:106 Resp: 17575
Ion Ratio Lower Upper
106 100
91 218.5 107.5 322.5

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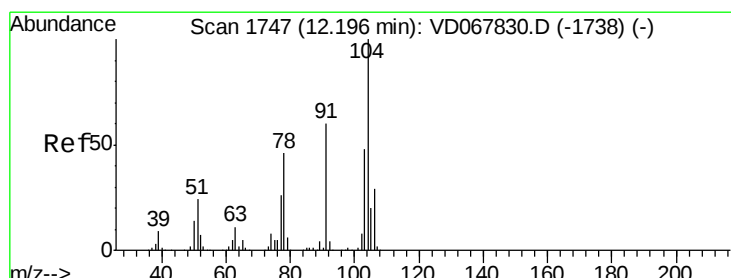
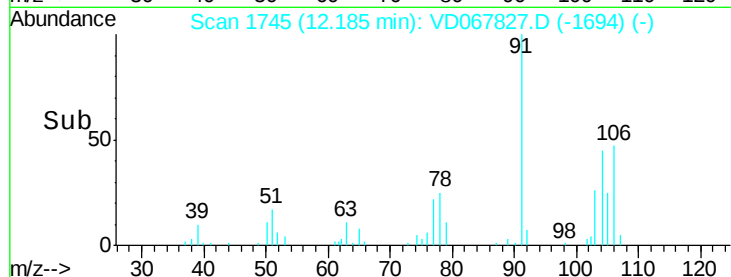
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

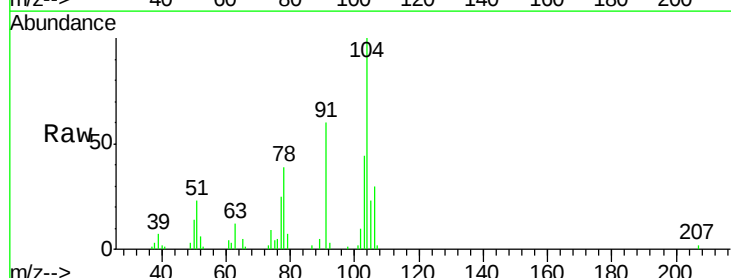


Time--> 12.10 12.15 12.20 12.25

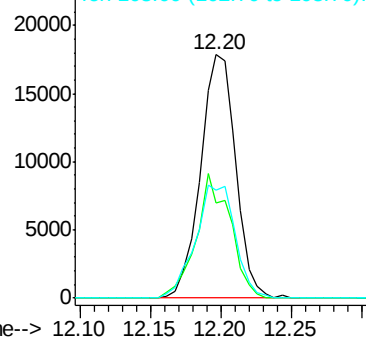


#70
Styrene
Concen: 4.939 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

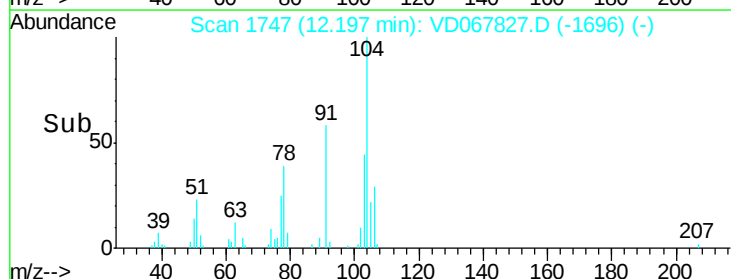
Tgt Ion:104 Resp: 31089
Ion Ratio Lower Upper
104 100
78 49.6 41.6 62.4
103 52.6 43.2 64.8

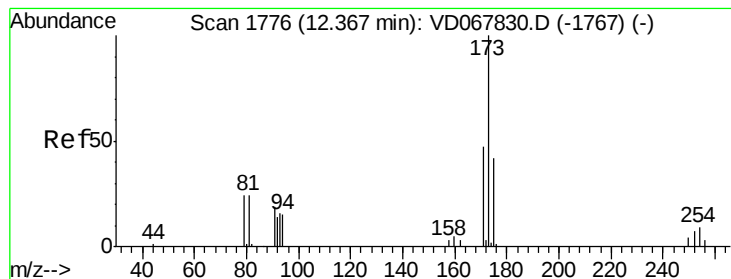


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time--> 12.10 12.15 12.20 12.25





#71

Bromoform

Concen: 5.093 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 6674

Ion Ratio Lower Upper

173 100

175 54.9 23.4 70.3

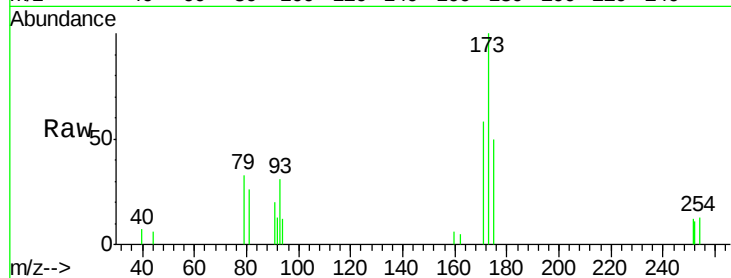
254 1.0 0.1 0.1#

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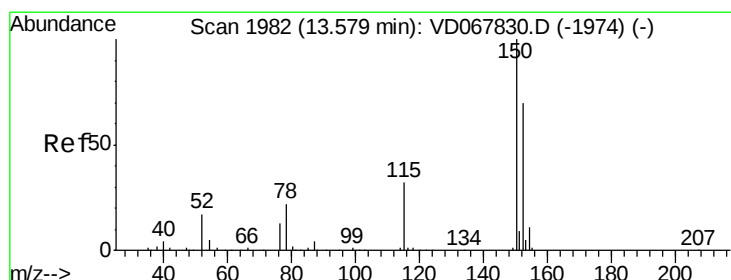
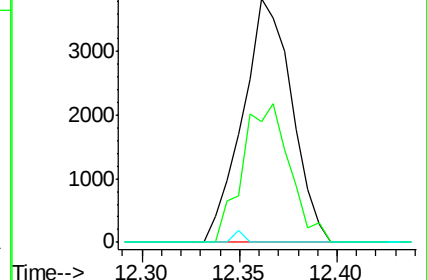
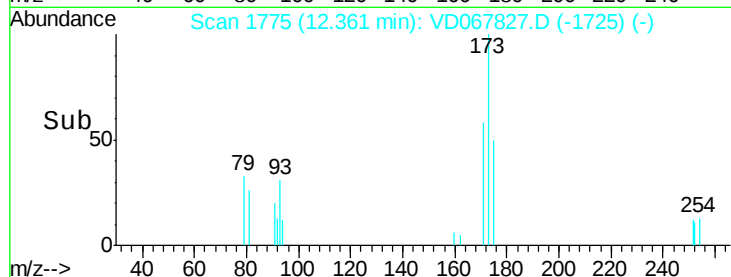
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

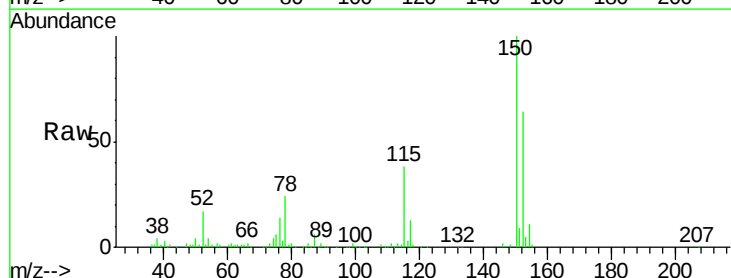
Tgt Ion:152 Resp: 155494

Ion Ratio Lower Upper

152 100

115 58.8 29.1 87.4

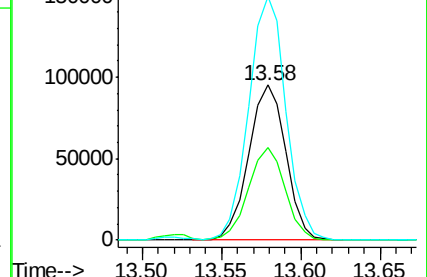
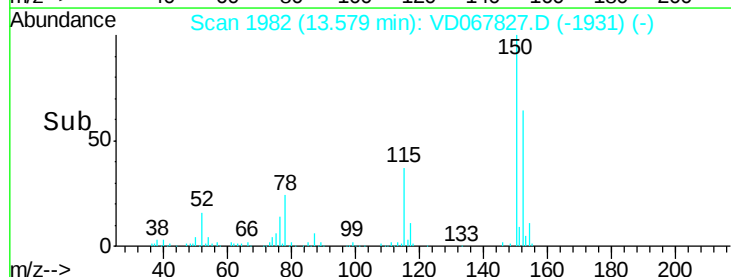
150 157.2 0.0 339.0

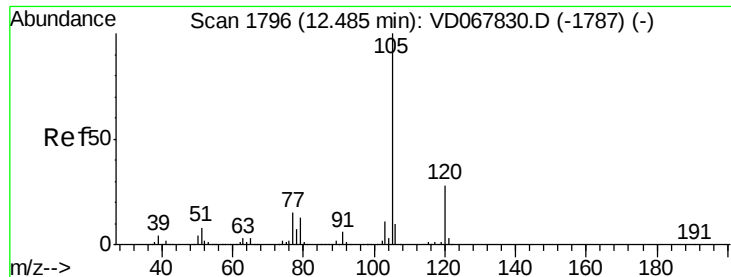


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.882 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 52204

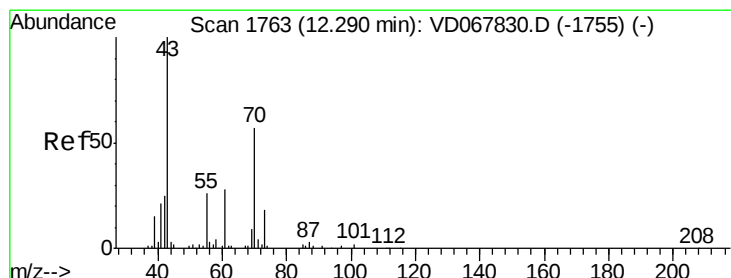
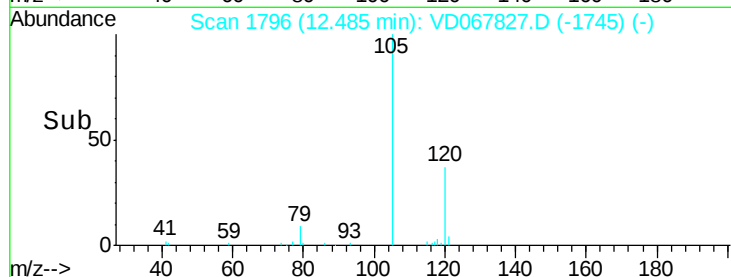
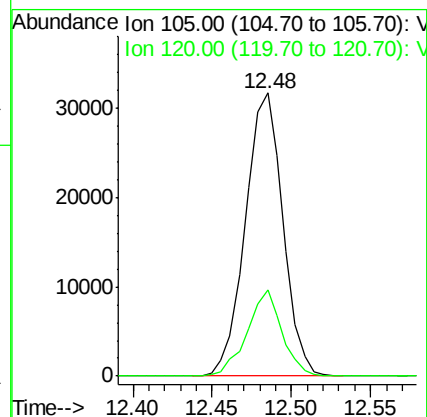
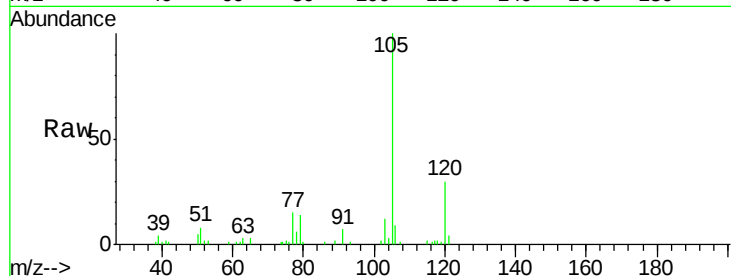
Ion Ratio Lower Upper

105 100

120 28.2 13.9 41.6

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#74

N-ethyl acetate

Concen: 4.748 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Tgt Ion: 43 Resp: 6280

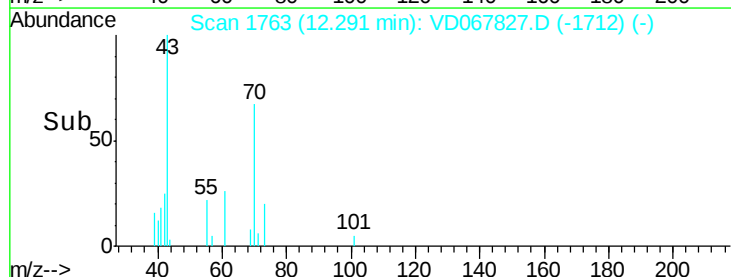
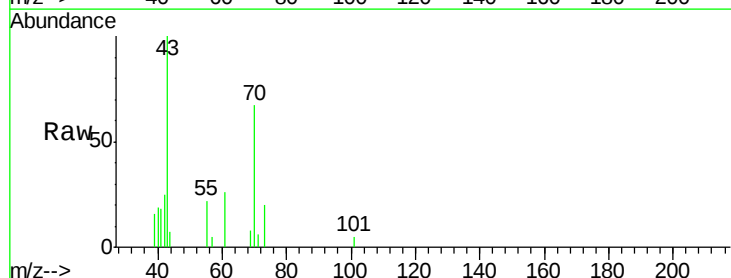
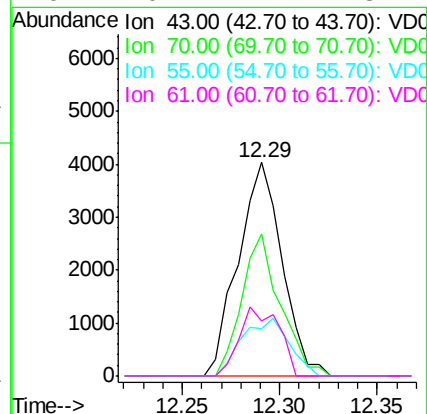
Ion Ratio Lower Upper

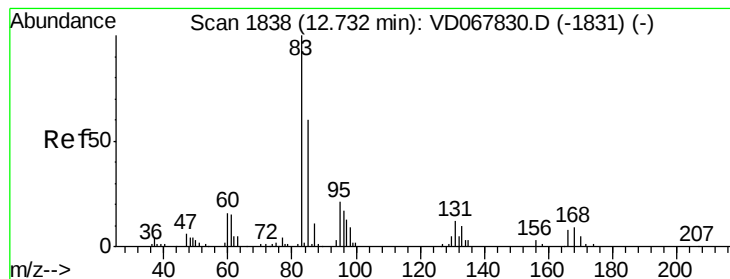
43 100

70 58.4 44.6 66.8

55 29.1 22.2 33.2

61 29.1 22.7 34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 5.516 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

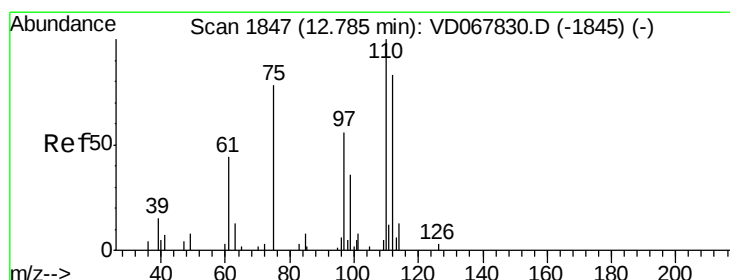
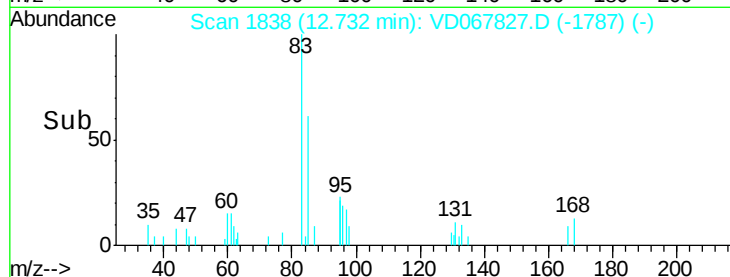
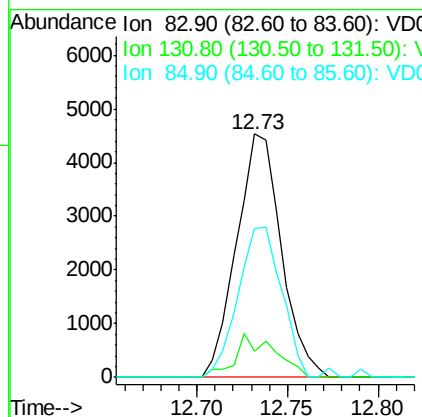
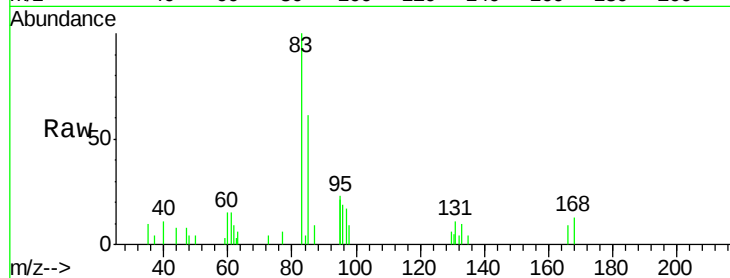
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	7787
Ion	Ratio	Lower	Upper
83	100		
131	15.9	8.0	24.0
85	59.8	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.246 ug/l m

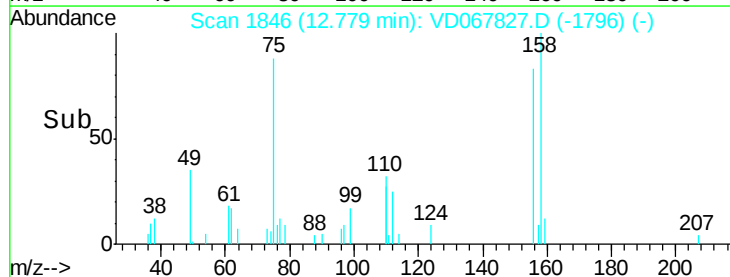
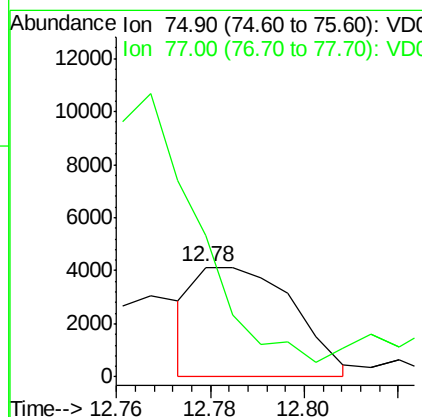
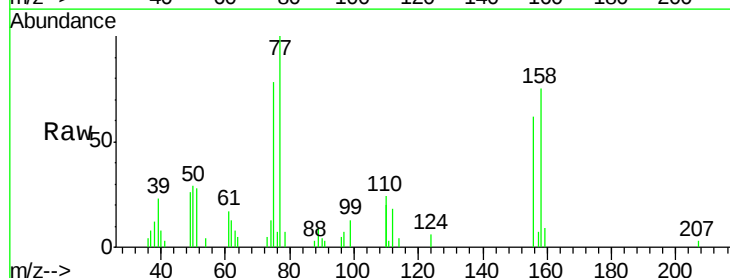
RT: 12.78 min Scan# 1846

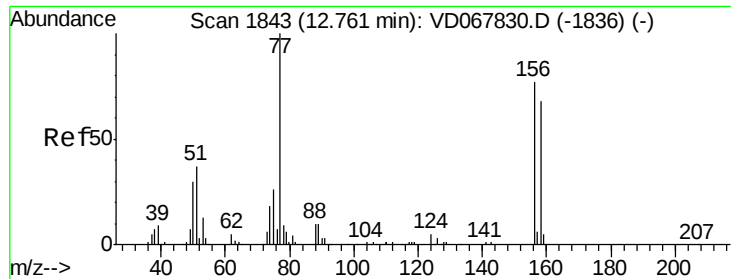
Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Tgt Ion:	75	Resp:	6066
Ion	Ratio	Lower	Upper
75	100		
77	319.6	175.9	527.7





#77

Bromobenzene

Concen: 4.917 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 13072

Ion Ratio Lower Upper

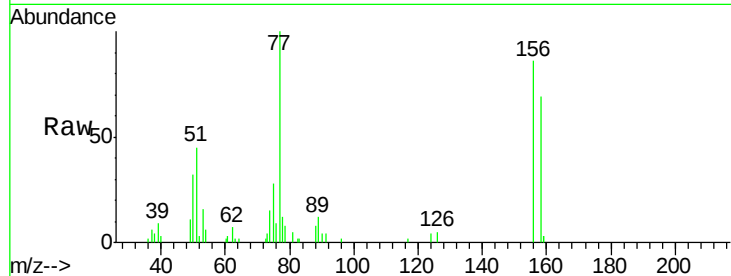
156 100

77 148.3 71.5 214.5

158 103.8 47.1 141.4

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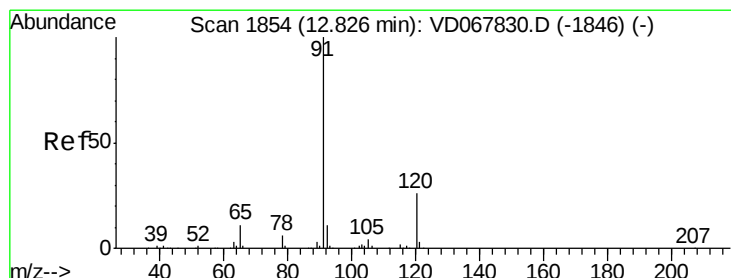
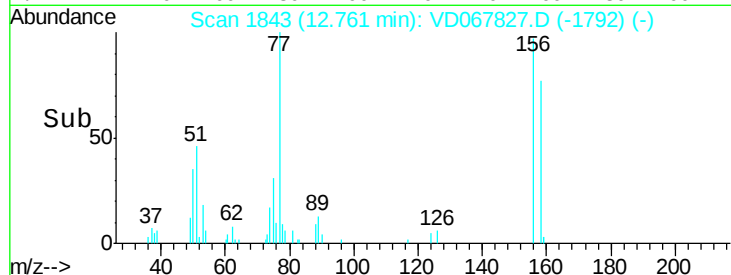
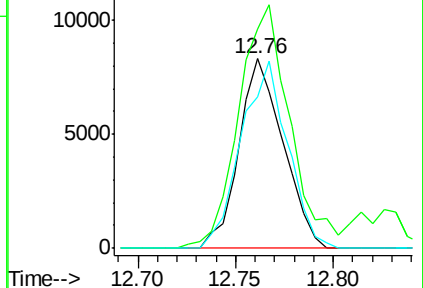
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.803 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067827.D

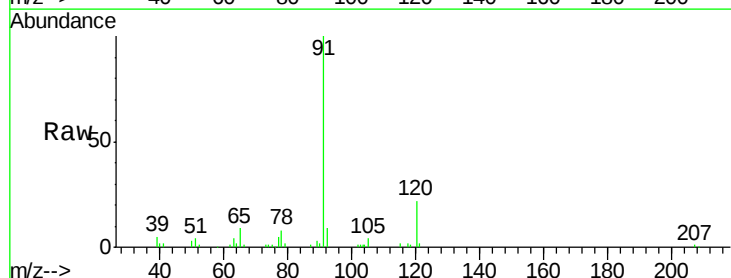
Acq: 01 Dec 2020 10:34

Tgt Ion: 91 Resp: 56921

Ion Ratio Lower Upper

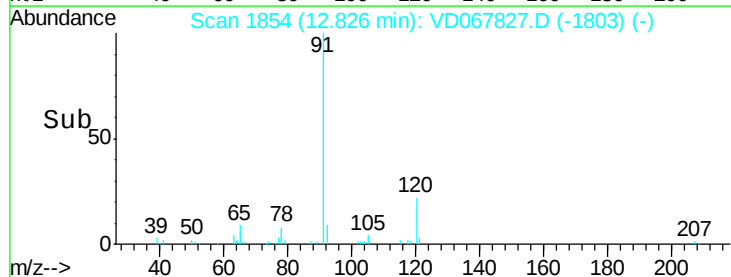
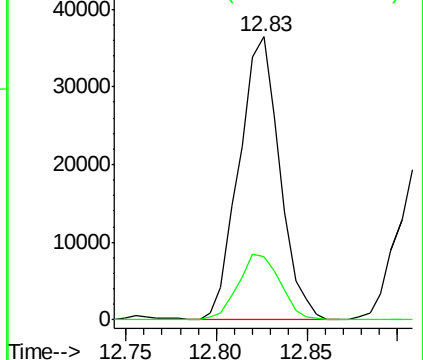
91 100

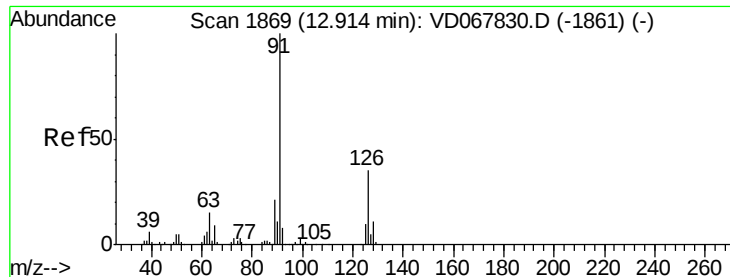
120 23.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.902 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 34176

Ion Ratio Lower Upper

91 100

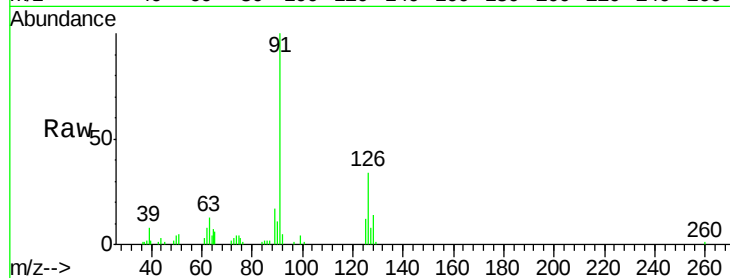
126 37.0 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VD067830.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD067830.D (-1861) (-)

20000

15000

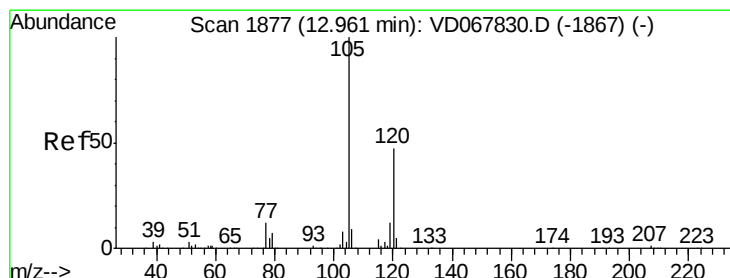
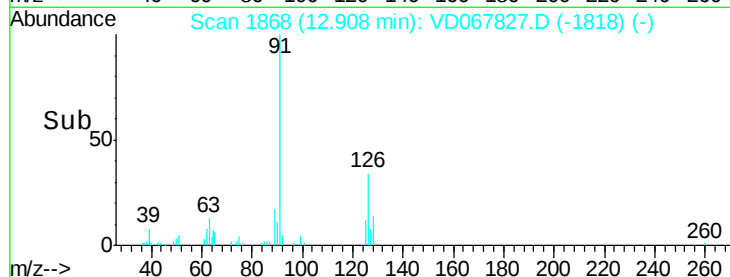
10000

5000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.536 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067827.D

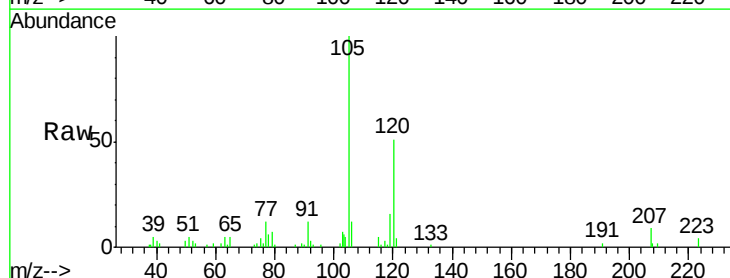
Acq: 01 Dec 2020 10:34

Tgt Ion:105 Resp: 41994

Ion Ratio Lower Upper

105 100

120 49.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VD067830.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD067830.D (-1867) (-)

30000

25000

20000

15000

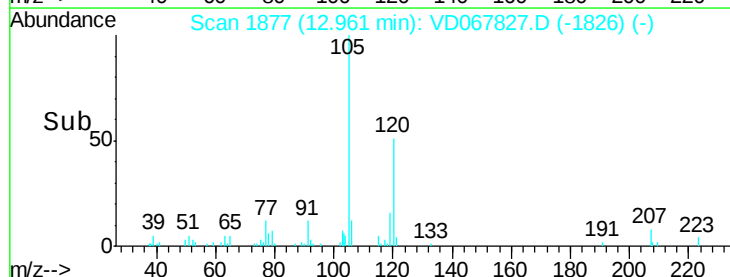
10000

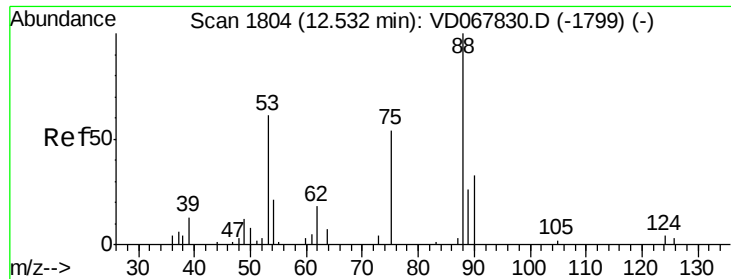
5000

0

12.90 12.95 13.00

Time-->





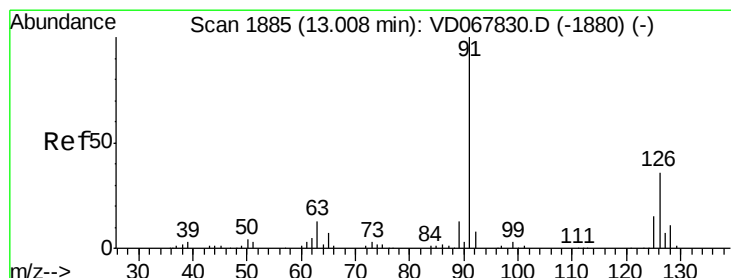
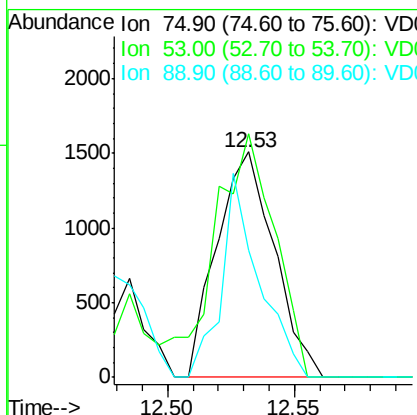
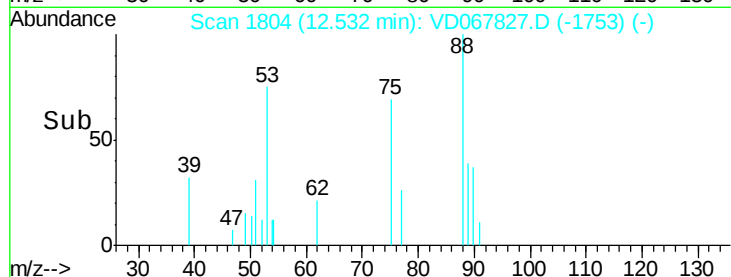
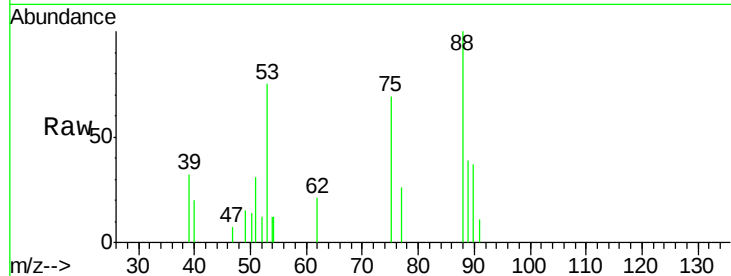
#81
trans-1,4-Dichloro-2-butene
Concen: 5.021 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.0	84.6	127.0
89	58.9	41.0	61.6

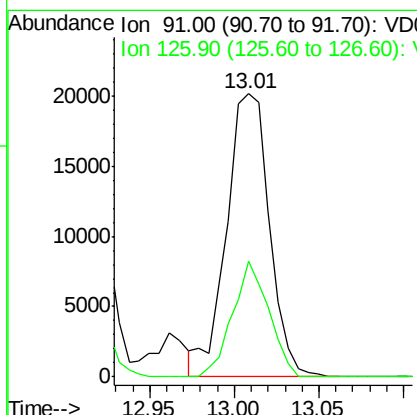
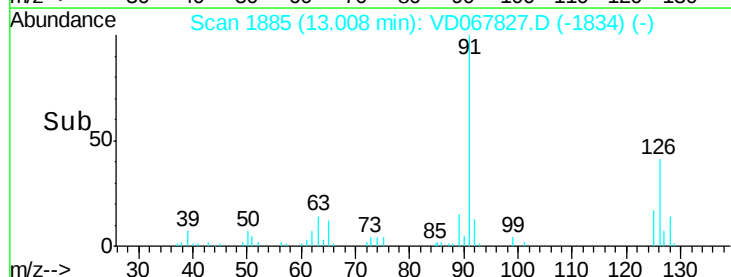
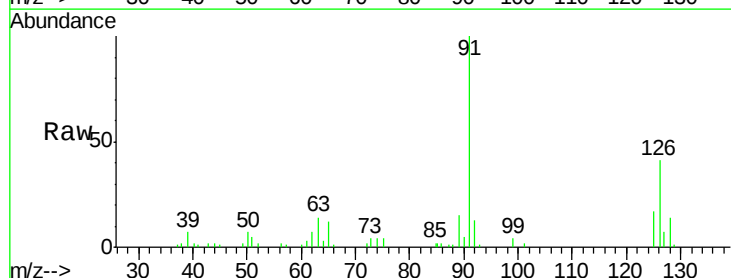
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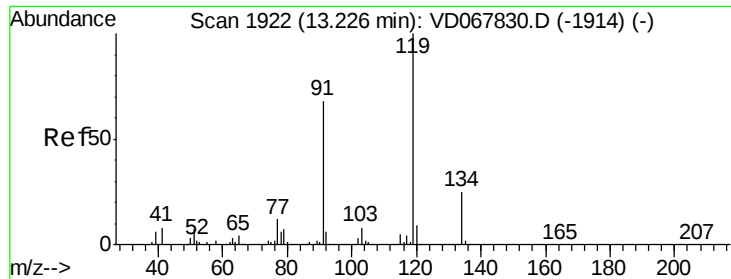
MMDadoda
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#82
4-Chlorotoluene
Concen: 4.789 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	18.1	54.4





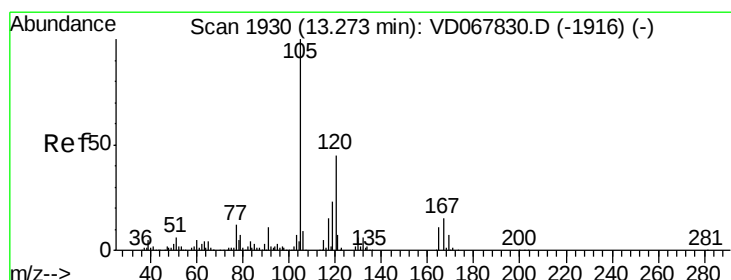
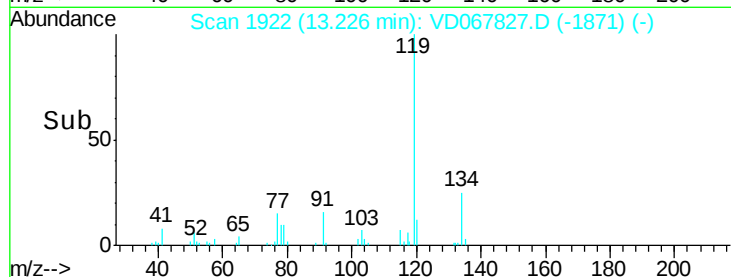
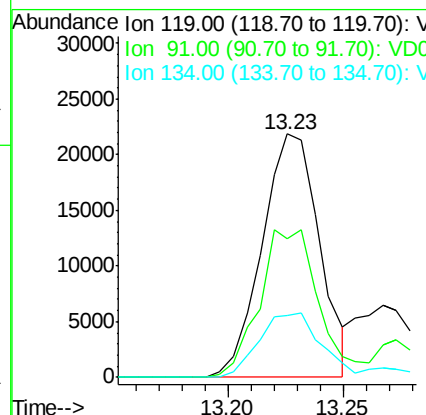
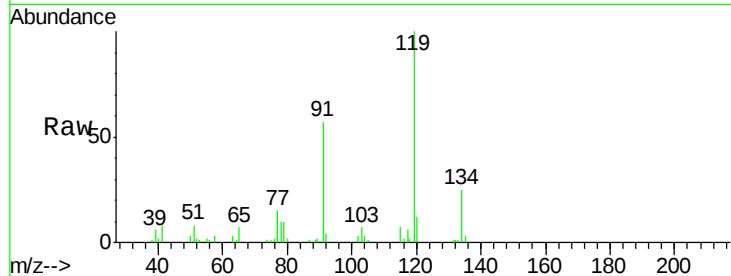
#83
tert-Butylbenzene
Concen: 4.790 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	33.1	99.3
134	28.9	13.6	40.8

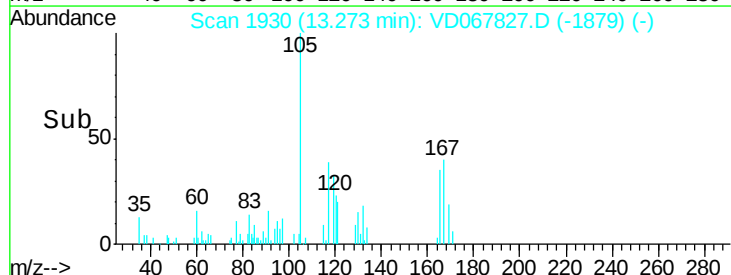
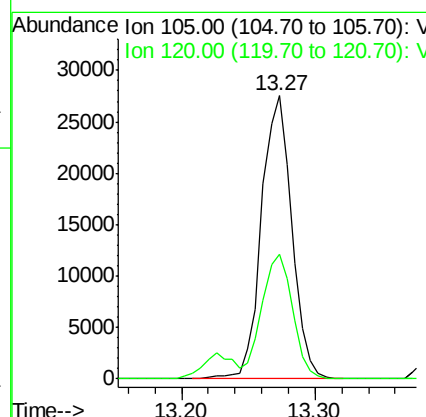
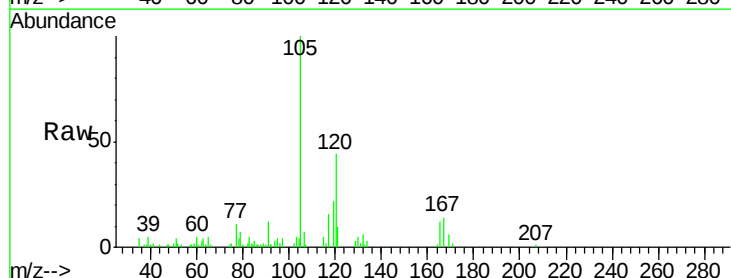
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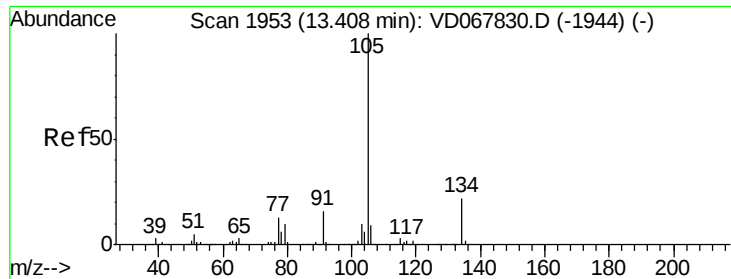
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#84
1,2,4-Trimethylbenzene
Concen: 4.680 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.1	66.5





#85

sec-Butylbenzene

Concen: 4.898 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 51508

Ion Ratio Lower Upper

105 100

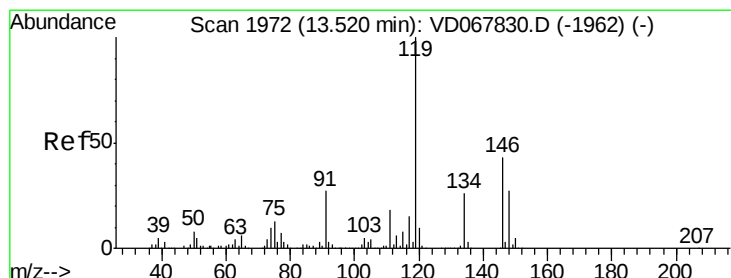
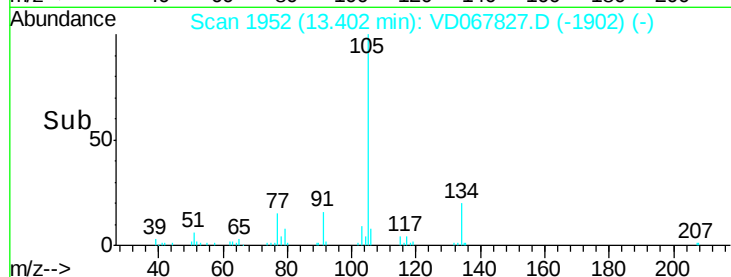
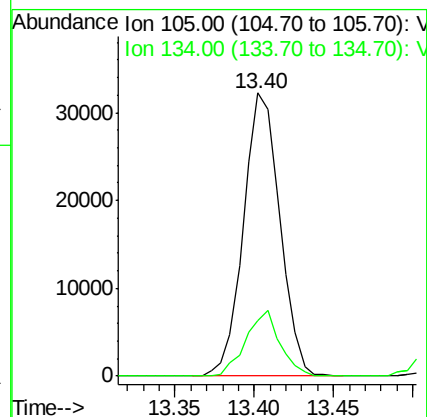
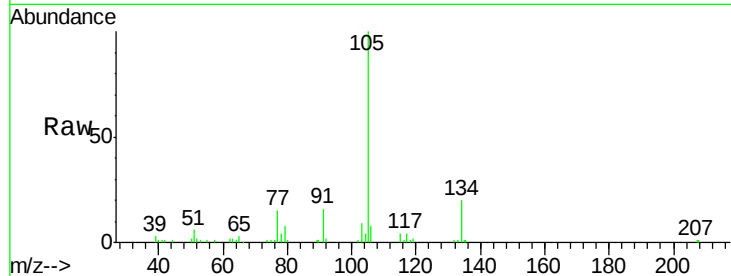
134 21.6 10.9 32.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 4.801 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

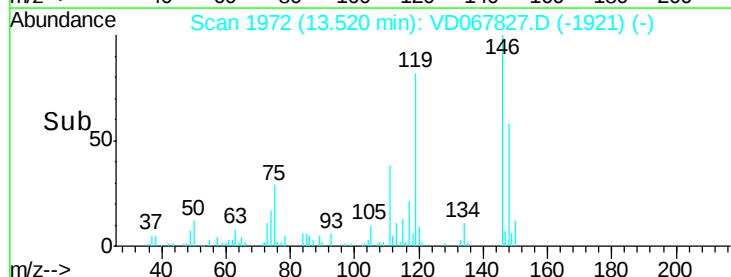
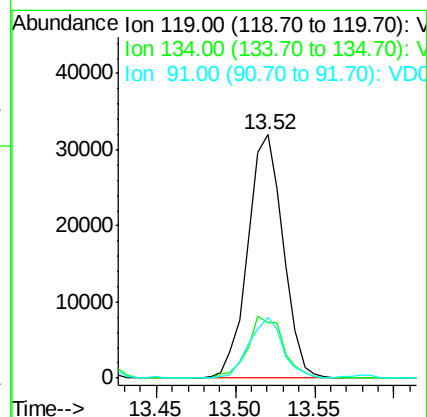
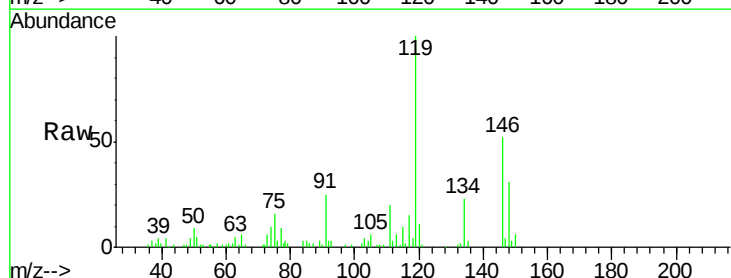
Tgt Ion:119 Resp: 49478

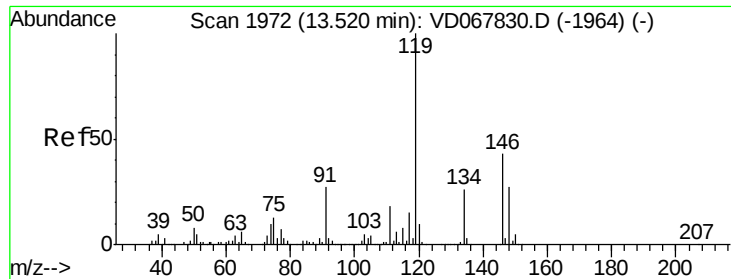
Ion Ratio Lower Upper

119 100

134 25.4 13.1 39.3

91 23.6 12.8 38.3





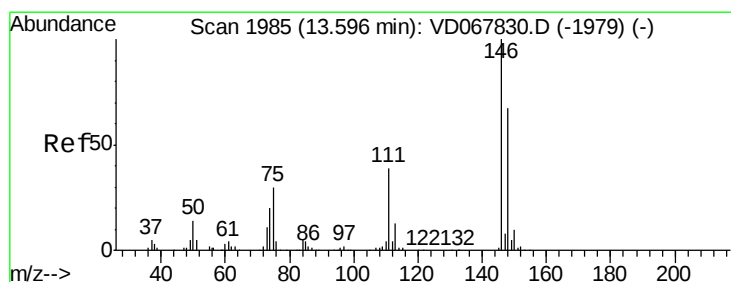
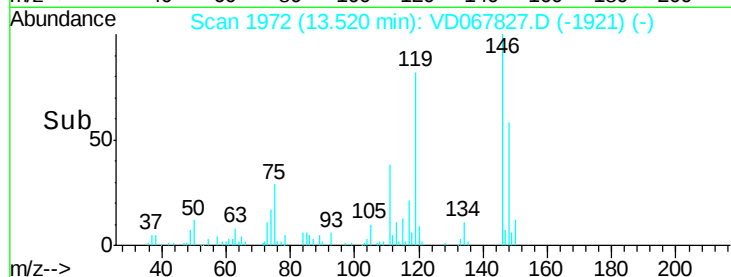
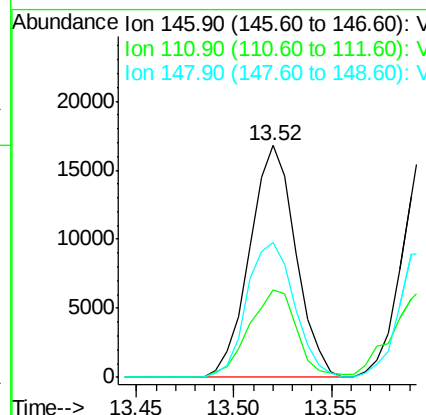
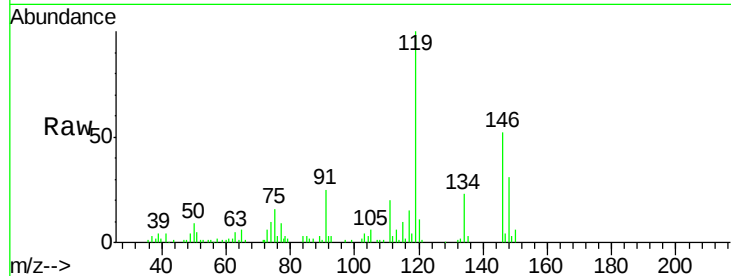
#87
 1,3-Dichlorobenzene
 Concen: 5.339 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.8	62.2
148	60.0	32.9	98.6

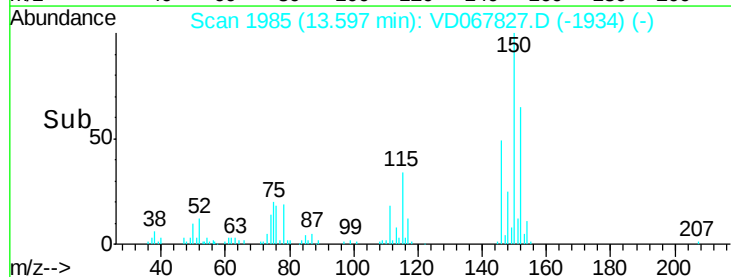
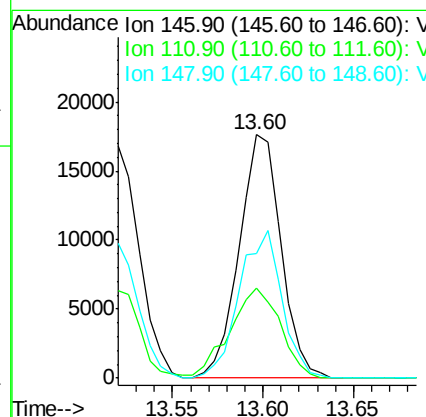
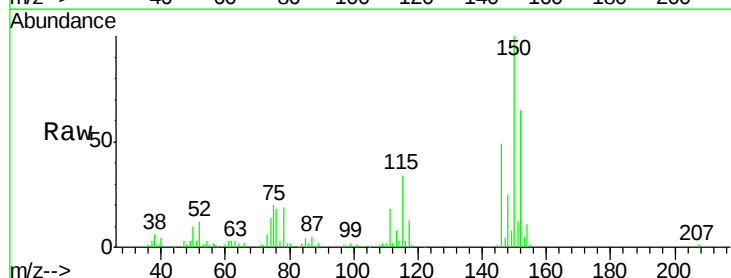
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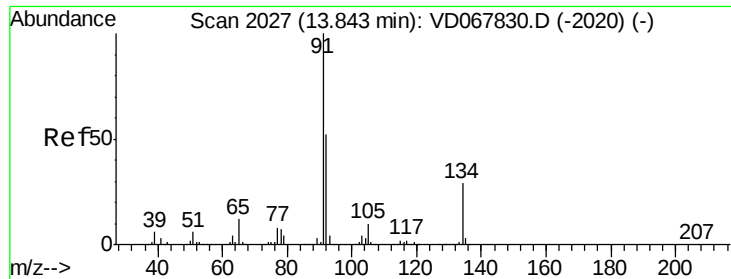
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#88
 1,4-Dichlorobenzene
 Concen: 5.527 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	19.9	59.6
148	61.7	32.4	97.2





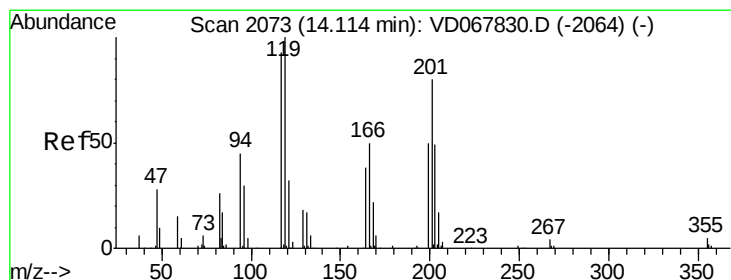
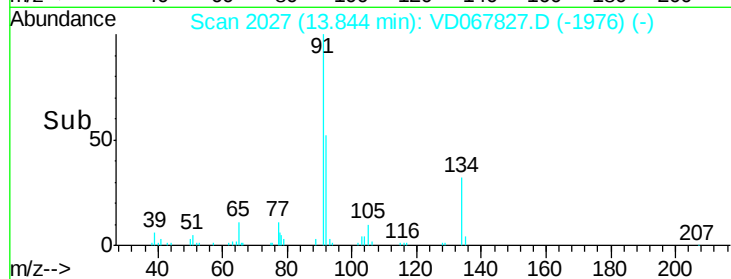
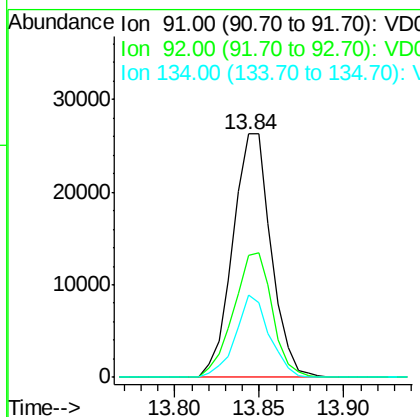
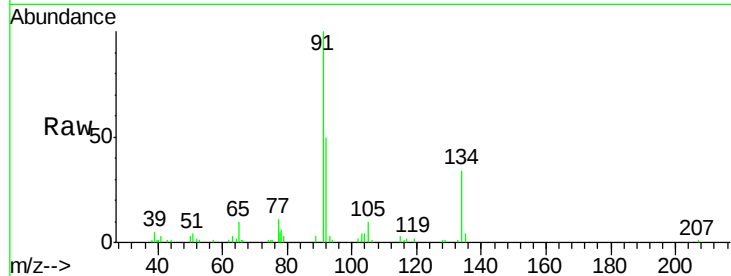
#89
n-Butylbenzene
Concen: 4.843 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.3	78.8
134	30.0	14.8	44.3

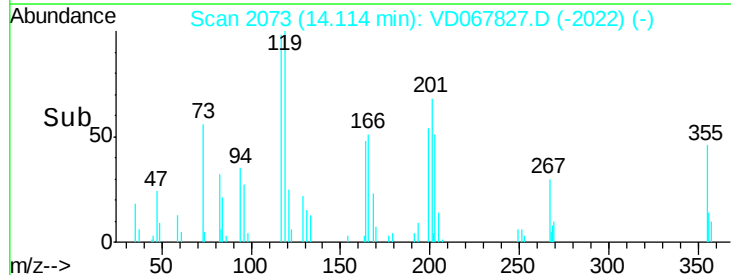
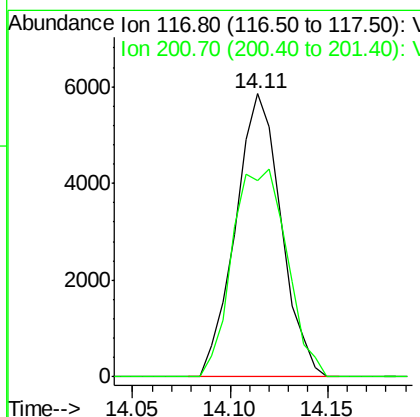
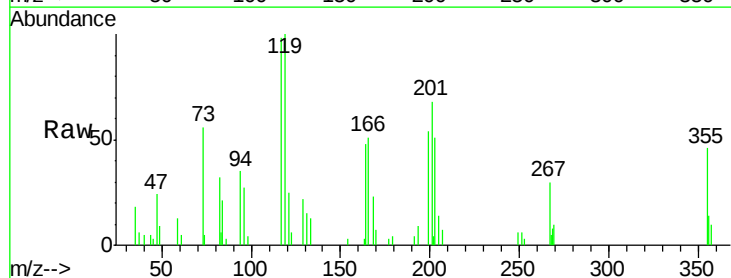
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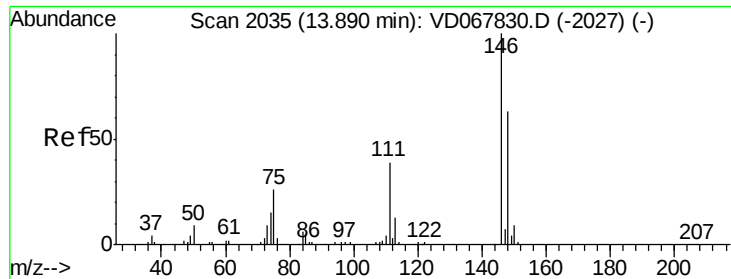
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12/2/2020 12:23:53 PM



#90
Hexachloroethane
Concen: 4.980 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.8	43.9	131.6





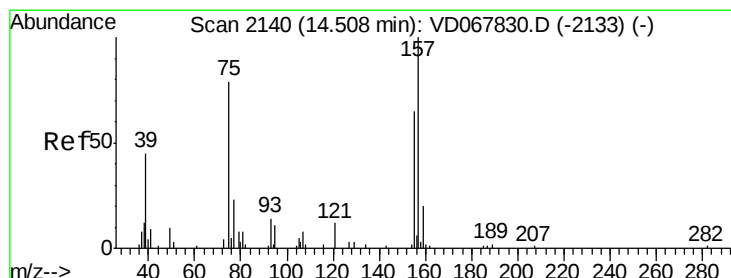
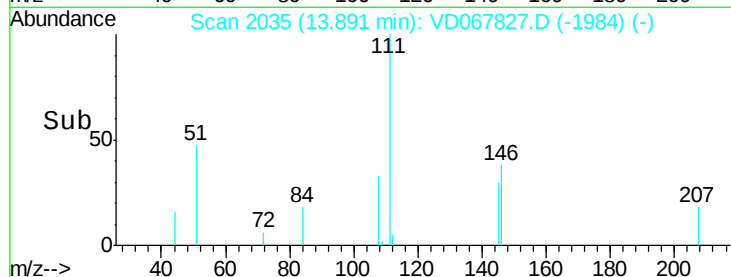
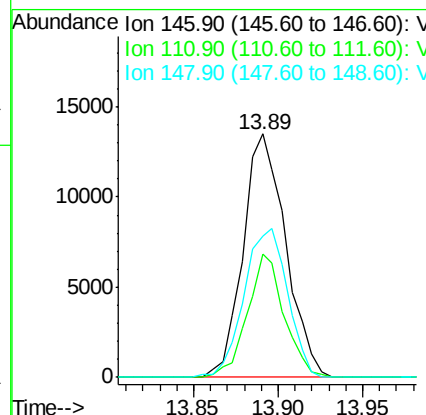
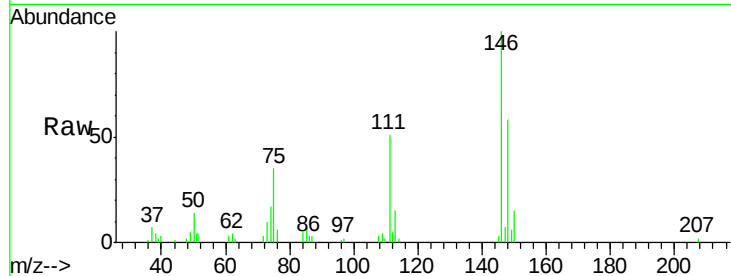
#91
 1,2-Dichlorobenzene
 Concen: 5.320 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.4	61.2
148	62.5	32.1	96.3

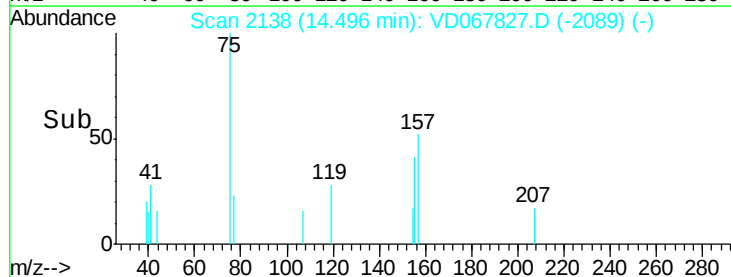
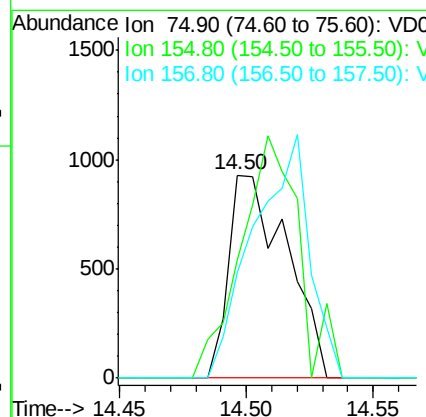
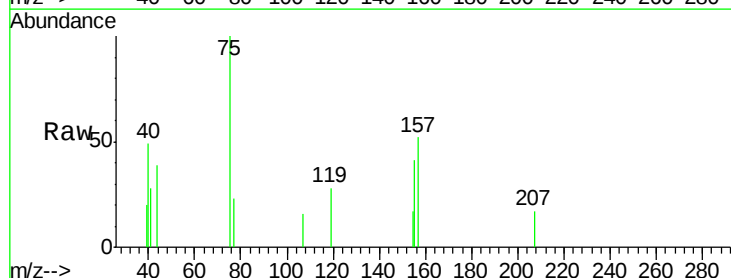
Manual Integrations
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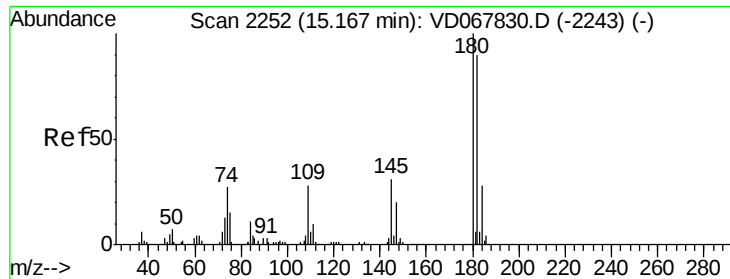
MMDadoda
 12/2/2020 12:23:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.037 ug/l
 RT: 14.50 min Scan# 2138
 Delta R.T. -0.01 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	118.5	44.1	132.4
157	0.0	62.4	187.2#





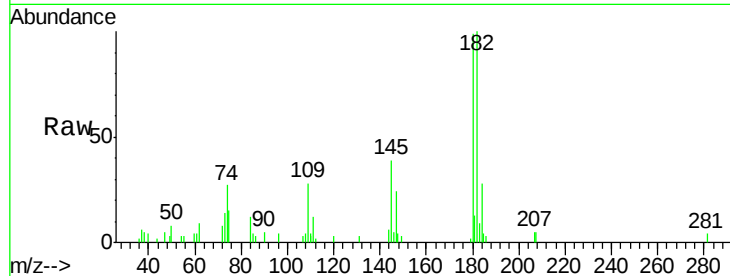
#93
 1,2,4-Trichlorobenzene
 Concen: 4.800 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

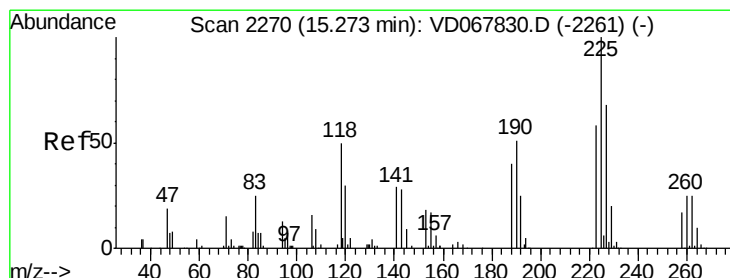
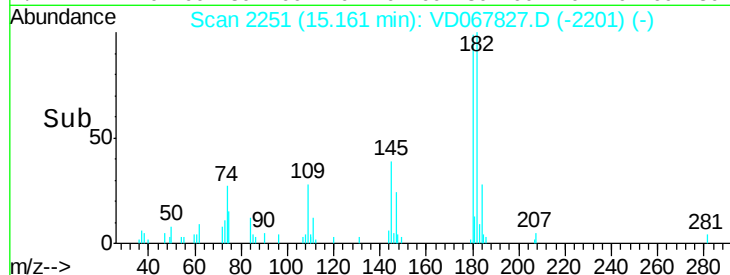
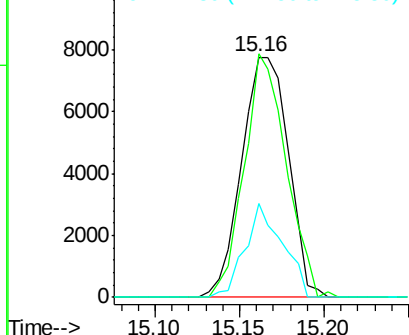
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	47.5	142.6
145	31.3	16.4	49.4

Manual Integrations
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 12/2/2020 12:23:53 PM

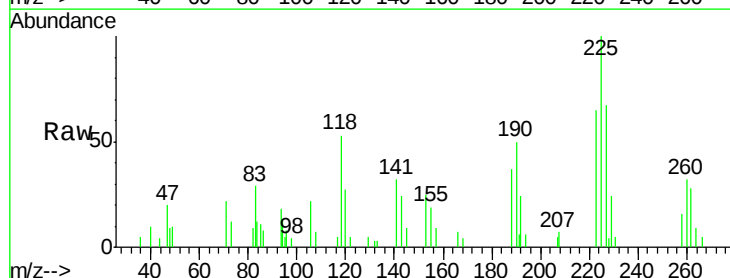


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

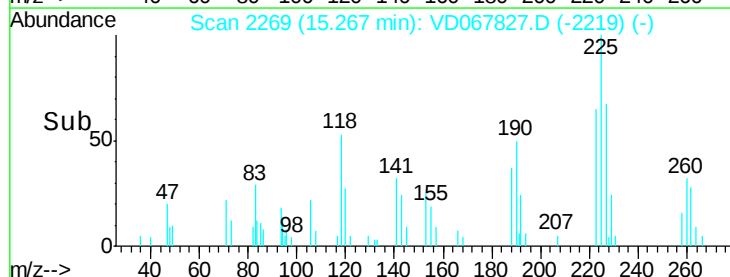
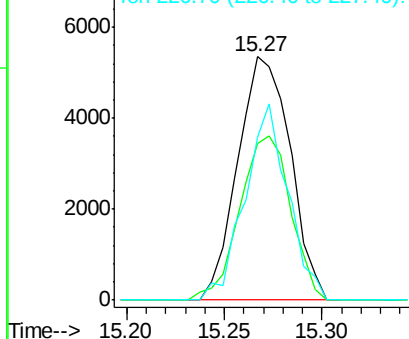


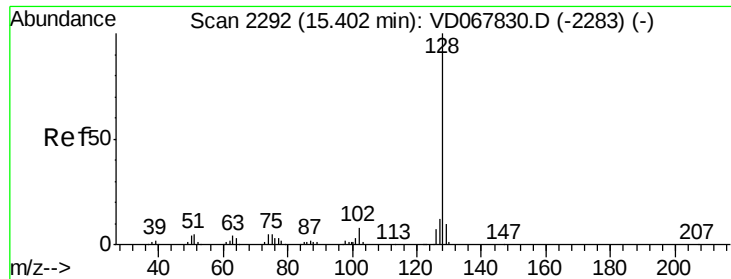
#94
 Hexachlorobutadiene
 Concen: 4.920 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.1	93.3
227	66.2	33.1	99.3



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





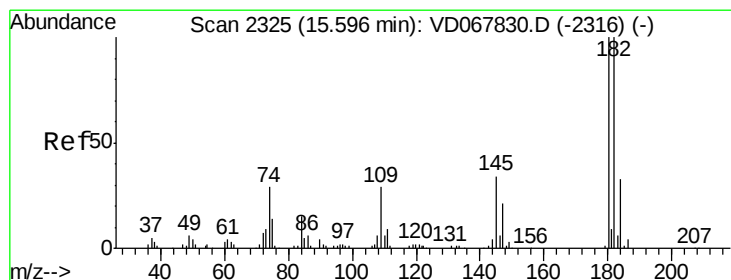
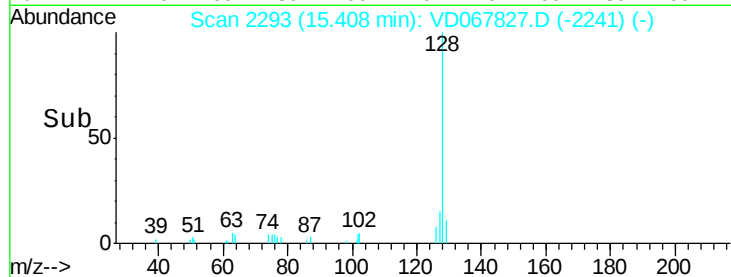
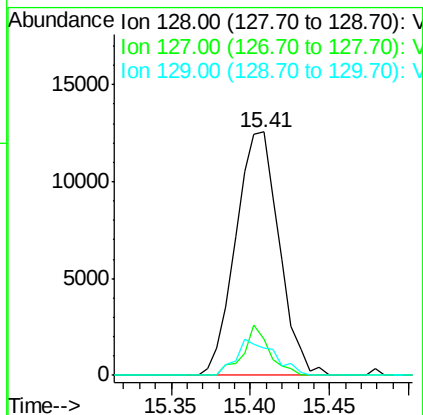
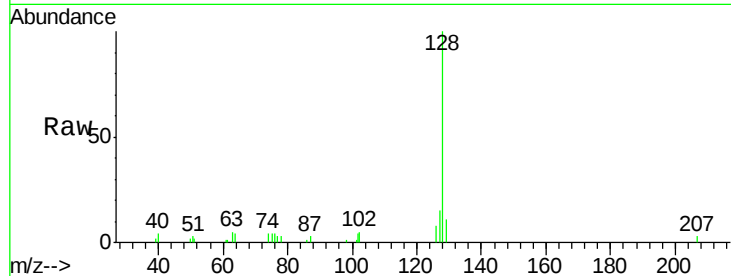
#95
Naphthalene
Concen: 4.708 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	15.8
129	13.0	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.961 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.8	47.3	142.0
145	29.1	16.8	50.4

