

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067828.D
 Acq On : 01 Dec 2020 11:01
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 12/2/2020 12:23:56 PM

Quant Time: Dec 02 03:59:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 03:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	233943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	336399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	307118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	158679	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	25930	10.32	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	20.64%#
35) Dibromofluoromethane	7.91	113	22528	10.01	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.02%#
50) Toluene-d8	10.34	98	84787	10.46	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	20.92%#
62) 4-Bromofluorobenzene	12.63	95	29440	10.51	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	21.02%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	21501	10.561	ug/l	97
3) Chloromethane	2.21	50	12767	10.866	ug/l	97
4) Vinyl Chloride	2.35	62	15678	10.595	ug/l	98
5) Bromomethane	2.77	94	13131	9.940	ug/l #	70
6) Chloroethane	2.93	64	9752	10.122	ug/l #	86
7) Trichlorofluoromethane	3.28	101	46957	10.370	ug/l	90
8) Diethyl Ether	3.71	74	9352	10.596	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	21372	10.350	ug/l	97
10) Methyl Iodide	4.31	142	19024	8.692	ug/l	95
11) Tert butyl alcohol	5.20	59	12096	62.224	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	19720	10.173	ug/l	91
13) Acrolein	3.93	56	4728	54.281	ug/l	98
14) Allyl chloride	4.71	41	17497	9.757	ug/l	93
15) Acrylonitrile	5.43	53	14227	46.489	ug/l #	91
16) Acetone	4.16	43	14462	47.105	ug/l #	63
17) Carbon Disulfide	4.41	76	56085	10.362	ug/l	98
18) Methyl Acetate	4.72	43	5761	9.126	ug/l #	73
19) Methyl tert-butyl Ether	5.47	73	39925	9.618	ug/l	95
20) Methylene Chloride	4.97	84	27211	11.544	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	22950	10.404	ug/l #	83
22) Diisopropyl ether	6.36	45	36633	10.156	ug/l #	88
23) Vinyl Acetate	6.30	43	96343	48.013	ug/l	100
24) 1,1-Dichloroethane	6.26	63	33265	10.521	ug/l #	90
25) 2-Butanone	7.22	43	16404	50.255	ug/l	99
26) 2,2-Dichloropropane	7.21	77	40706	10.796	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	25606	10.613	ug/l	99
28) Bromochloromethane	7.55	49	10724	10.683	ug/l	85
29) Tetrahydrofuran	7.57	42	8702	50.928	ug/l #	86
30) Chloroform	7.71	83	46188	10.931	ug/l	97
31) Cyclohexane	7.99	56	27903	10.545	ug/l #	86
32) 1,1,1-Trichloroethane	7.91	97	44636	10.007	ug/l	96
36) 1,1-Dichloropropene	8.12	75	29991	10.298	ug/l	98
37) Ethyl Acetate	7.29	43	7129	10.484	ug/l	96
38) Carbon Tetrachloride	8.10	117	45729	10.378	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	34960	10.130	ug/l	95
40) Benzene	8.36	78	84422	10.594	ug/l	98
41) Methacrylonitrile	7.52	41	2965	7.770	ug/l #	70
42) 1,2-Dichloroethane	8.43	62	29702	10.458	ug/l	99
43) Isopropyl Acetate	8.46	43	14917	9.659	ug/l	97
44) Trichloroethene	9.11	130	28781	10.505	ug/l	100
45) 1,2-Dichloropropane	9.38	63	17124	10.470	ug/l	99
46) Dibromomethane	9.48	93	11838	10.411	ug/l	100
47) Bromodichloromethane	9.66	83	33818	10.432	ug/l	86
48) Methyl methacrylate	9.46	41	7502	9.567	ug/l	98
49) 1,4-Dioxane	9.46	88	2339	180.015	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	36660	50.156	ug/l	100
52) Toluene	10.41	92	57474	10.316	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	28150	10.061	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	30185	9.918	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	16006	10.285	ug/l	97
56) Ethyl methacrylate	10.67	69	15102	9.538	ug/l	95
57) 1,3-Dichloropropane	10.96	76	26407	10.713	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	30730	42.653	ug/l	99
59) 2-Hexanone	10.99	43	24483	47.516	ug/l	97
60) Dibromochloromethane	11.14	129	25373	10.816	ug/l	90
61) 1,2-Dibromoethane	11.25	107	15779	10.311	ug/l	99
64) Tetrachloroethene	10.88	164	26361	10.523	ug/l	88
65) Chlorobenzene	11.67	112	66783	10.539	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	27314	10.568	ug/l	94
67) Ethyl Benzene	11.75	91	112640	10.434	ug/l	98
68) m/p-Xylenes	11.86	106	89450	21.014	ug/l	99
69) o-Xylene	12.18	106	37993	10.054	ug/l	97
70) Styrene	12.20	104	66409	10.106	ug/l	98
71) Bromoform	12.36	173	13585	9.929	ug/l #	89
73) Isopropylbenzene	12.48	105	110557	10.131	ug/l	98
74) N-amyl acetate	12.29	43	12722	9.425	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	14910	10.349	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	11634m	9.859	ug/l	
77) Bromobenzene	12.76	156	27959	10.306	ug/l	94
78) n-propylbenzene	12.83	91	124567	10.299	ug/l	100
79) 2-Chlorotoluene	12.91	91	73253	10.295	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	99248	10.505	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	4754	9.841	ug/l	96
82) 4-Chlorotoluene	13.01	91	80164	10.562	ug/l	100
83) tert-Butylbenzene	13.23	119	80058	9.958	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	96325	10.253	ug/l	98
85) sec-Butylbenzene	13.40	105	110060	10.257	ug/l	100
86) p-Isopropyltoluene	13.52	119	108447	10.312	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	55585	10.622	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	55452	10.592	ug/l	97
89) n-Butylbenzene	13.84	91	88473	10.126	ug/l	99
90) Hexachloroethane	14.11	117	20371	10.492	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	47617	10.491	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3271	10.879	ug/l	86

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ClientSampleId :
VSTDICC010

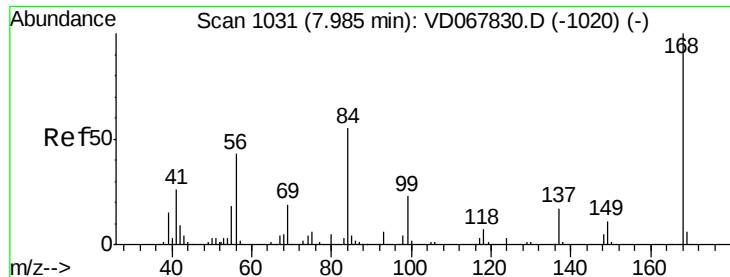
Manual Integrations
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12/2/2020 12:23:56 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	31898	10.047	ug/l	99
94) Hexachlorobutadiene	15.27	225	21492	10.374	ug/l	95
95) Naphthalene	15.40	128	47559	9.206	ug/l	95
96) 1,2,3-Trichlorobenzene	15.60	180	25884	9.441	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 233943

Ion Ratio Lower Upper

168 100

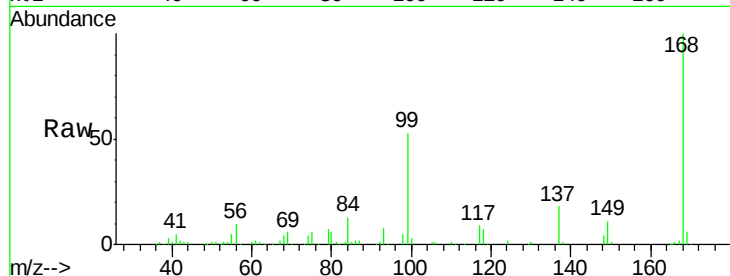
99 53.2 47.1 70.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

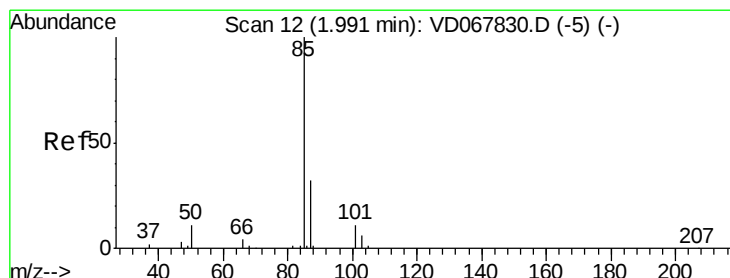
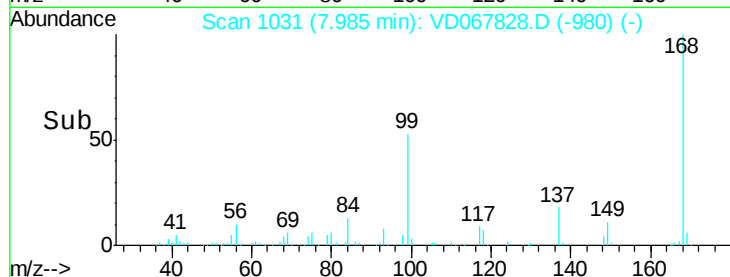
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 10.561 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067828.D

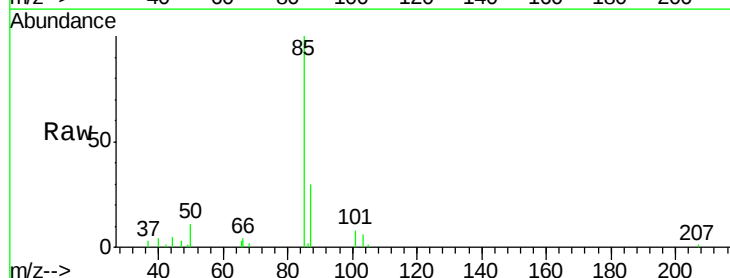
Acq: 01 Dec 2020 11:01

Tgt Ion: 85 Resp: 21501

Ion Ratio Lower Upper

85 100

87 29.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

15000

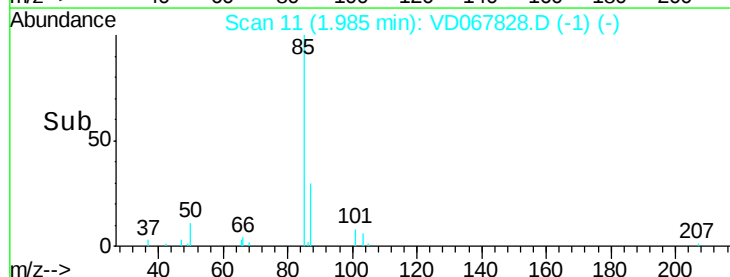
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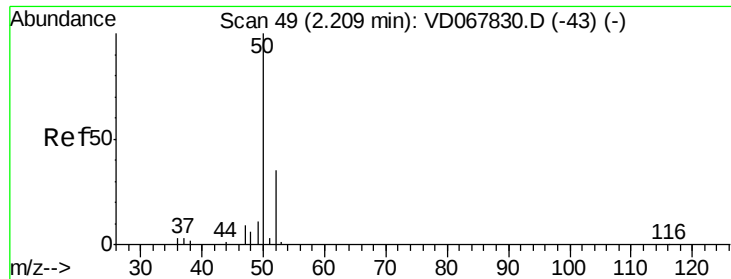
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 10.866 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 12767

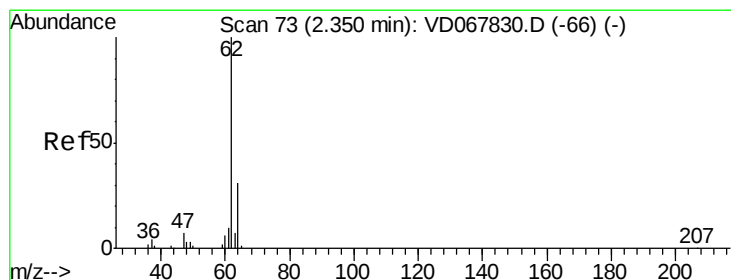
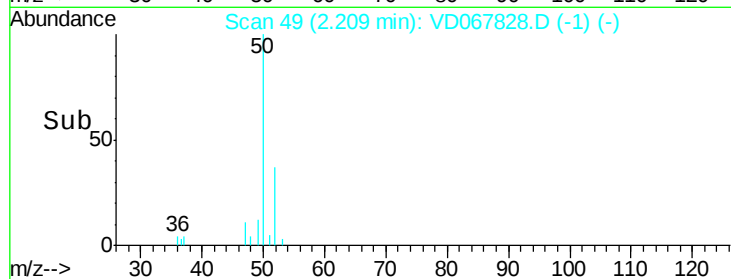
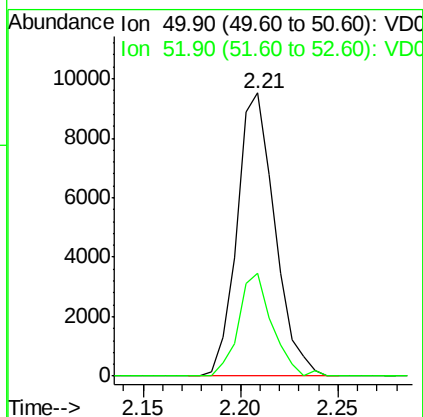
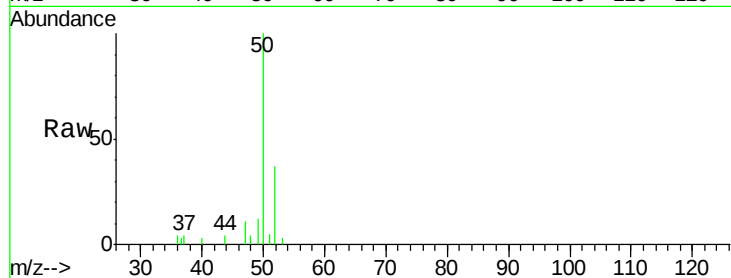
Ion Ratio Lower Upper

50 100

52 36.6 27.8 41.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 10.595 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067828.D

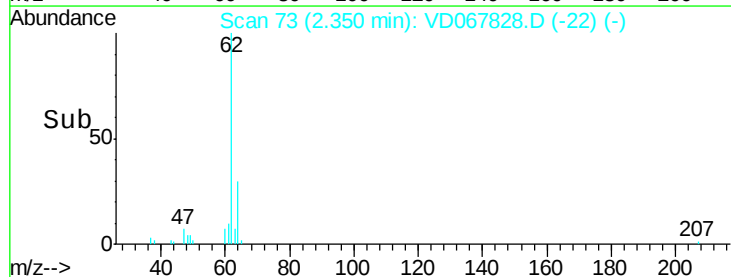
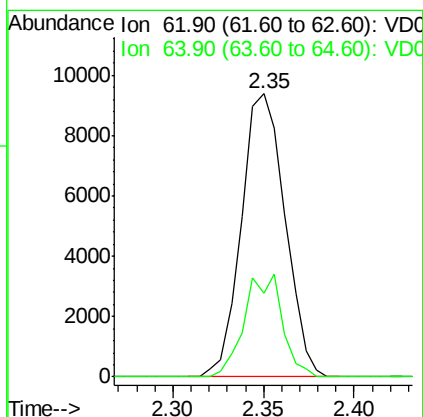
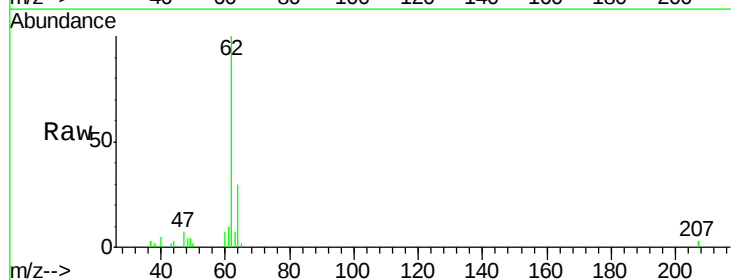
Acq: 01 Dec 2020 11:01

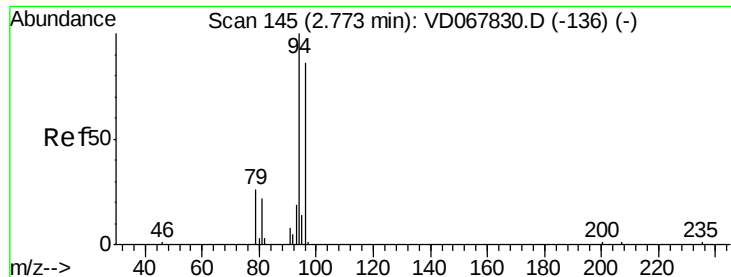
Tgt Ion: 62 Resp: 15678

Ion Ratio Lower Upper

62 100

64 29.6 24.5 36.7





#5

Bromomethane

Concen: 9.940 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 13131

Ion Ratio Lower Upper

94 100

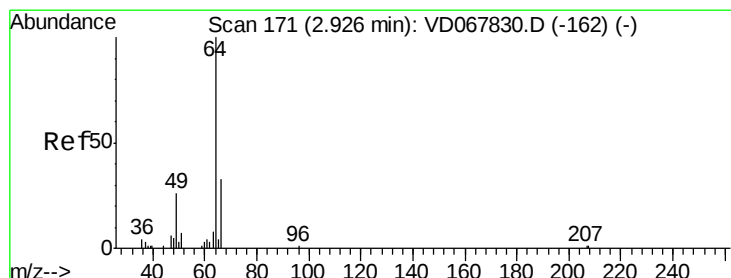
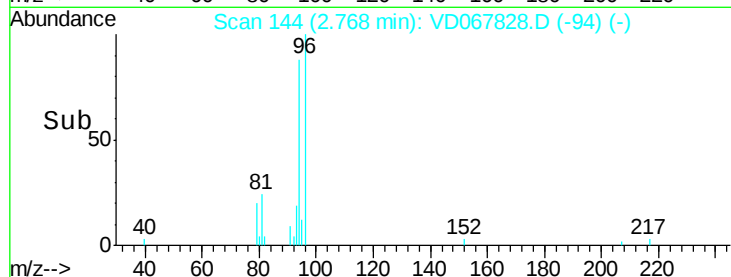
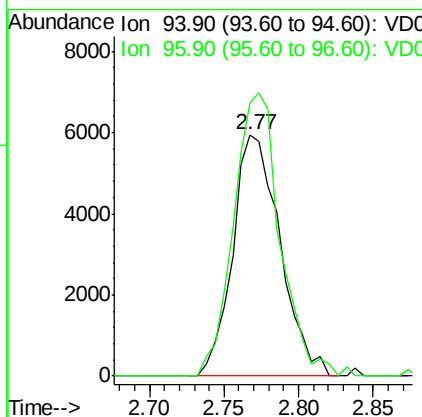
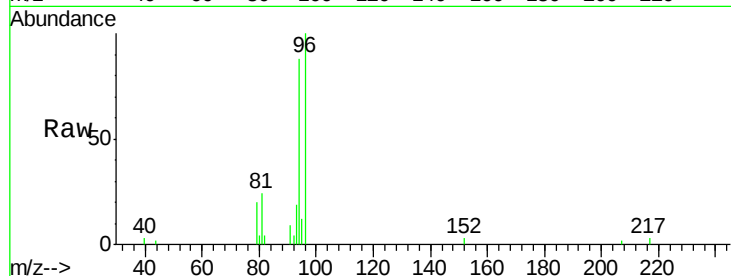
96 113.3 68.7 103.1#

Manual Integrations

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#6

Chloroethane

Concen: 10.122 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD067828.D

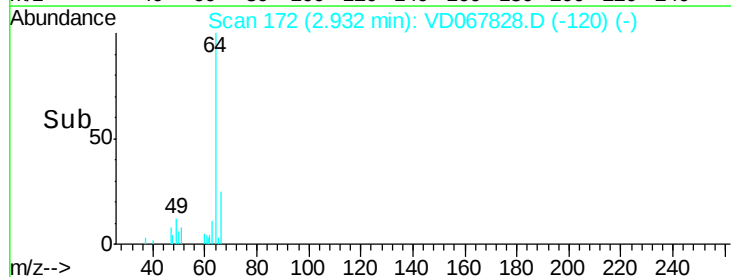
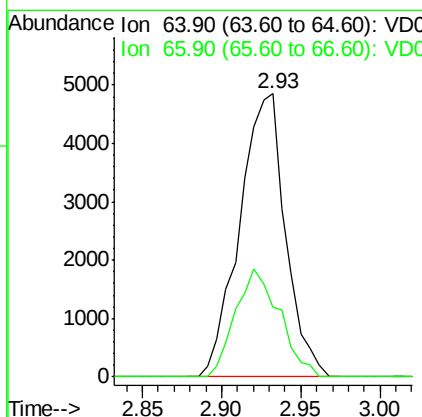
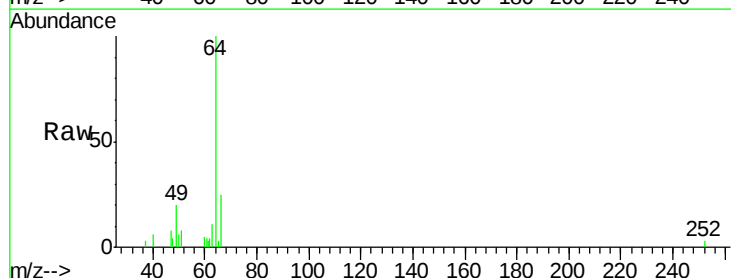
Acq: 01 Dec 2020 11:01

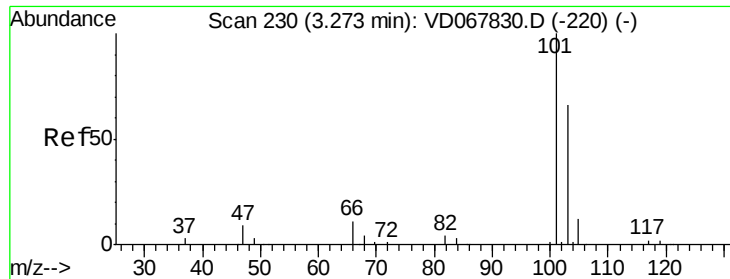
Tgt Ion: 64 Resp: 9752

Ion Ratio Lower Upper

64 100

66 24.8 26.1 39.1#





#7

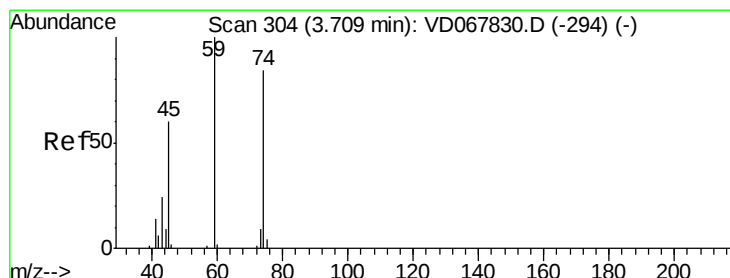
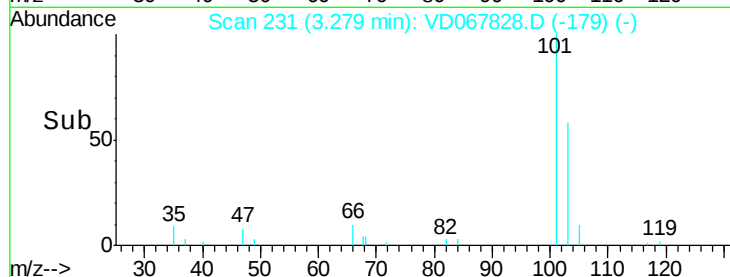
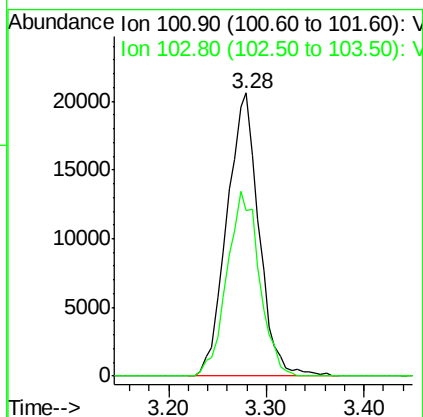
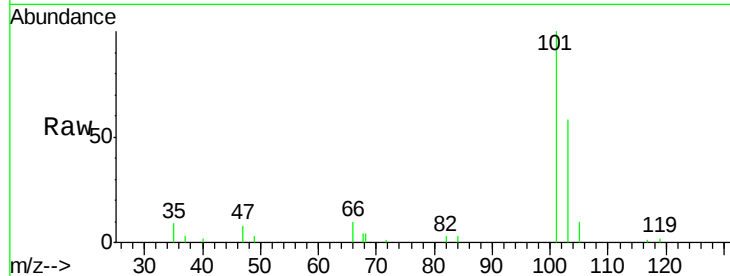
Trichlorofluoromethane
 Concen: 10.370 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067828.D
 Acq: 01 Dec 2020 11:01

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 VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.5	53.0	79.6

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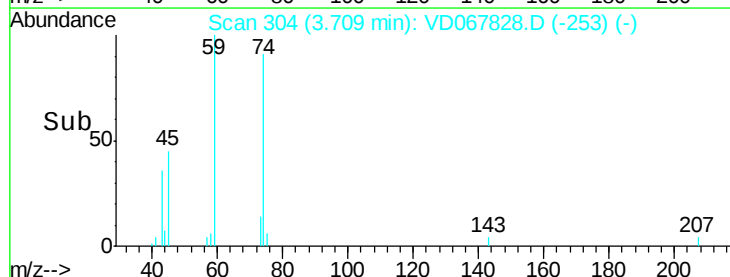
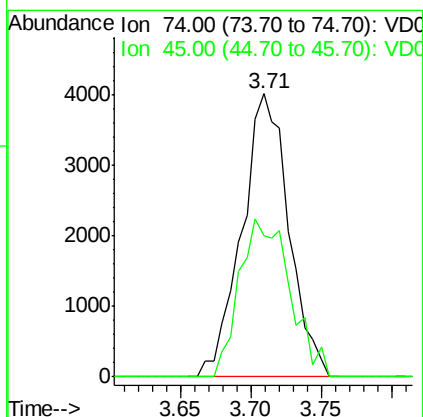
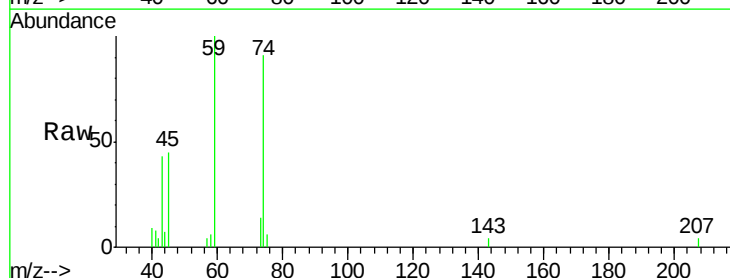
MMDadoda
 12/2/2020 12:23:56 PM

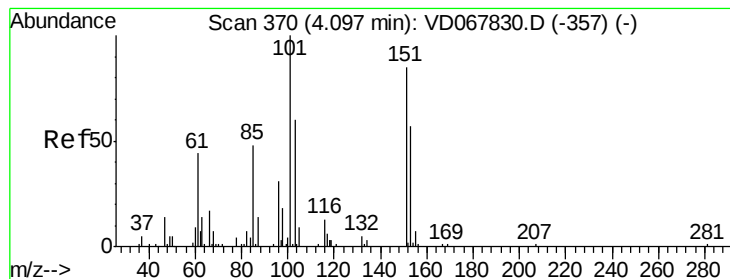


#8

Diethyl Ether
 Concen: 10.596 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067828.D
 Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	60.0	33.9	101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.350 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

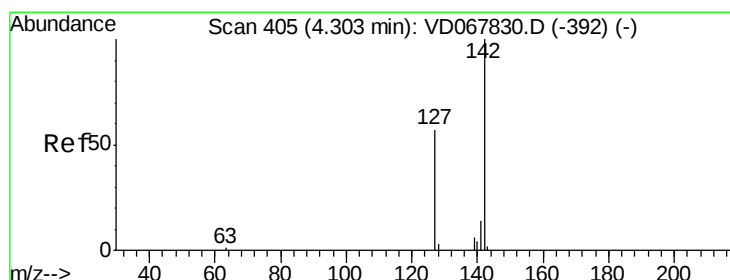
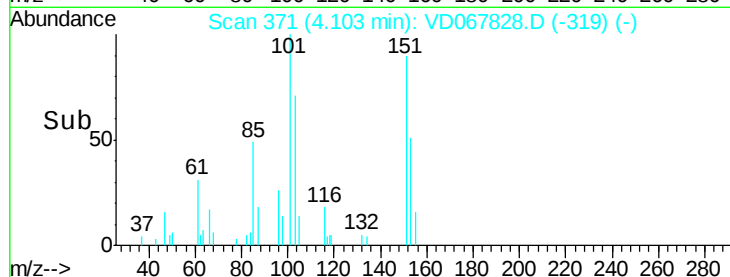
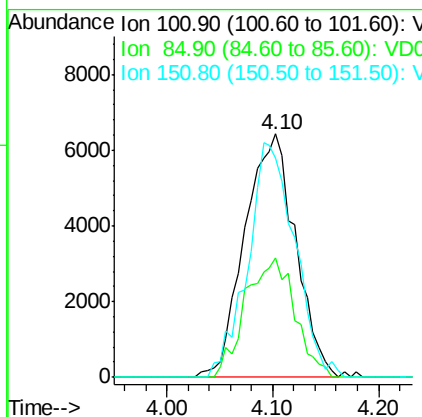
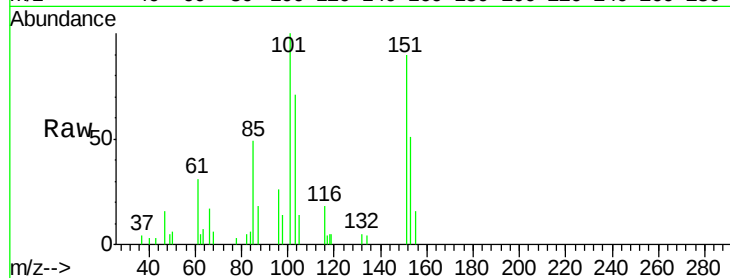
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	21372
Ion Ratio	Lower	Upper	
101	100		
85	47.6	36.2	54.4
151	89.7	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 8.692 ug/l

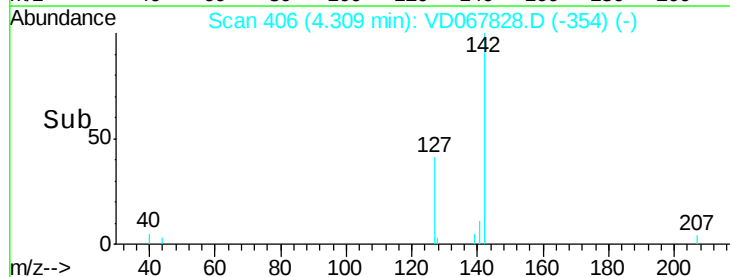
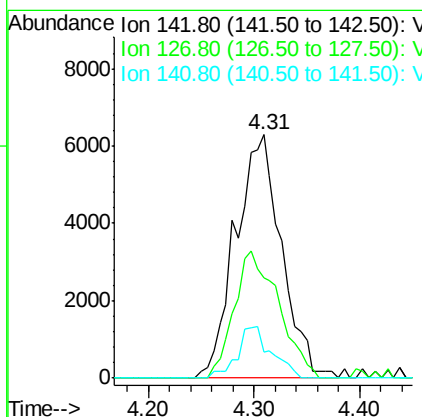
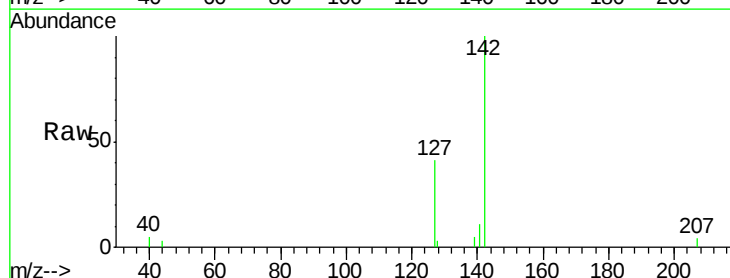
RT: 4.31 min Scan# 406

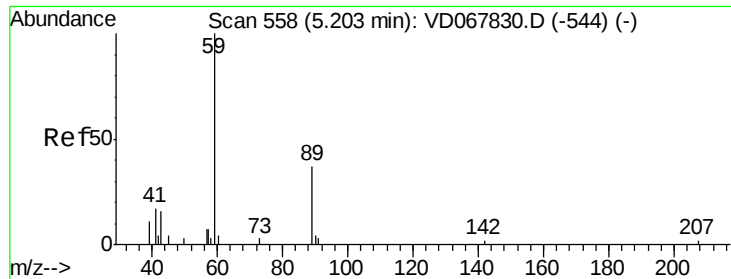
Delta R.T. 0.01 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Tgt Ion:	142	Resp:	19024
Ion Ratio	Lower	Upper	
142	100		
127	50.3	43.9	65.9
141	15.4	12.2	18.2





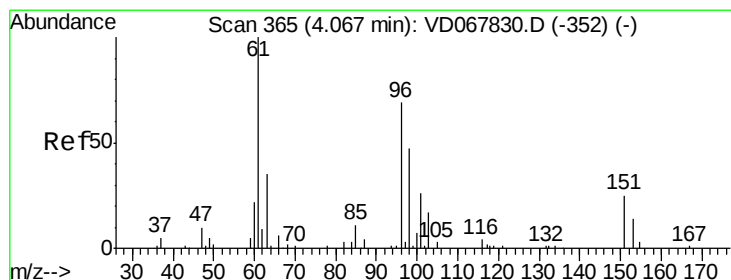
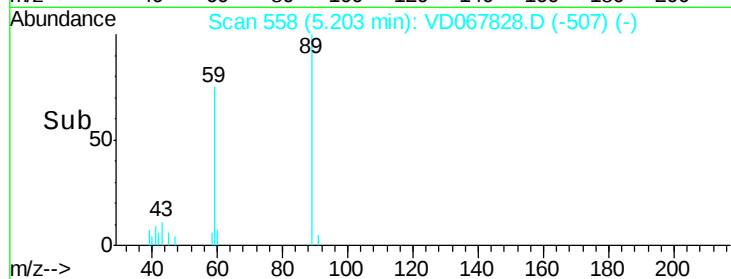
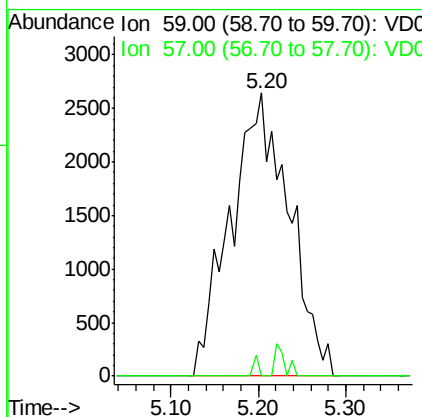
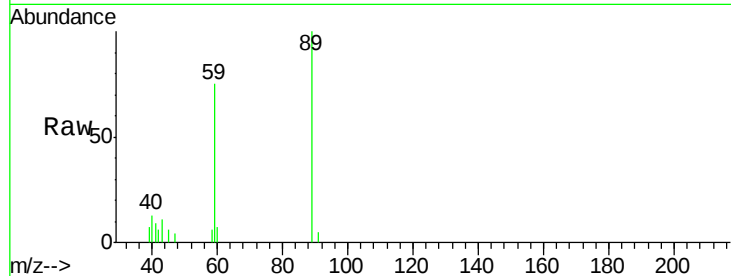
#11
Tert butyl alcohol
Concen: 62.224 ug/l
RT: 5.20 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 59 Resp: 12096
Ion Ratio Lower Upper
59 100
57 2.0 7.7 11.5#

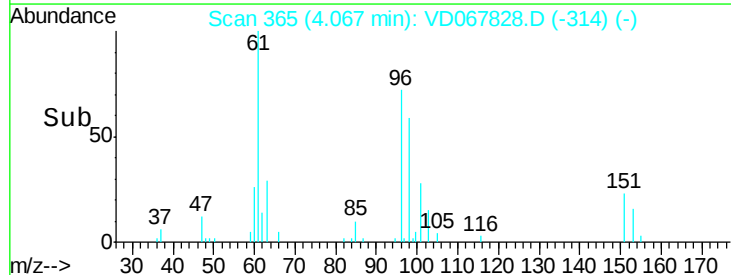
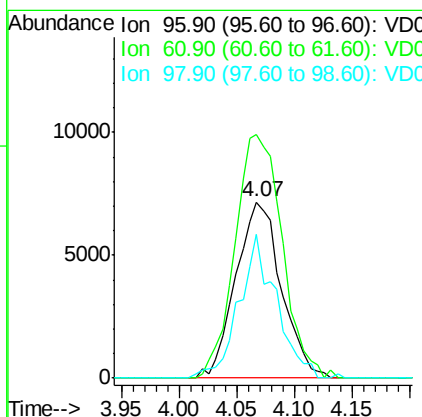
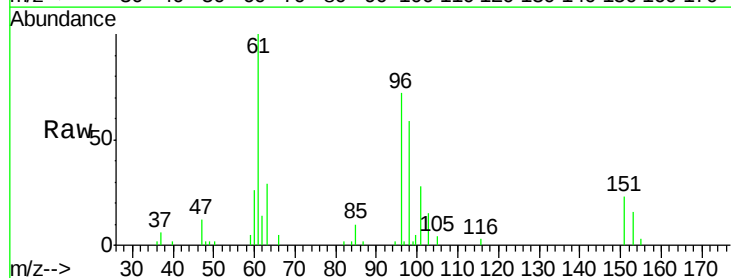
Manual Integrations
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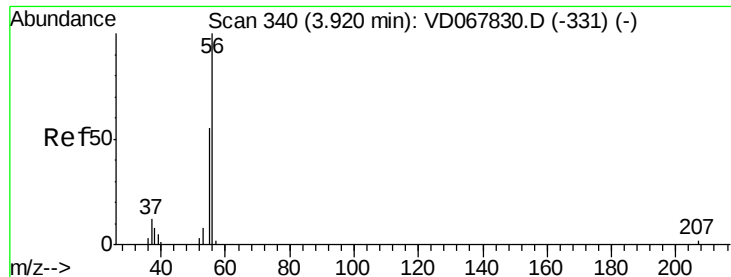
MMDadoda
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#12
1,1-Dichloroethene
Concen: 10.173 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion: 96 Resp: 19720
Ion Ratio Lower Upper
96 100
61 138.4 116.1 174.1
98 81.5 54.6 82.0





#13

Acrolein

Concen: 54.281 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 4728

Ion Ratio Lower Upper

56 100

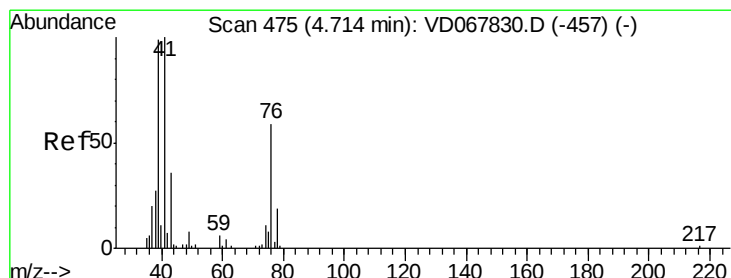
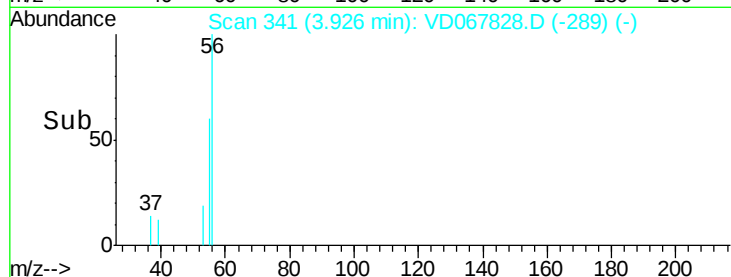
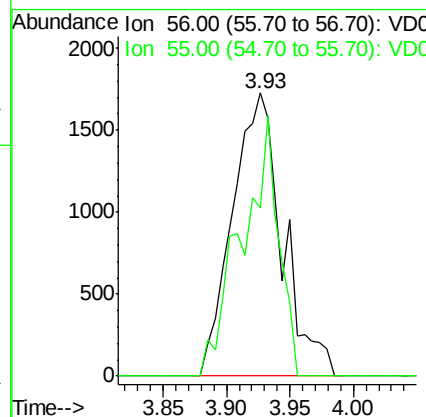
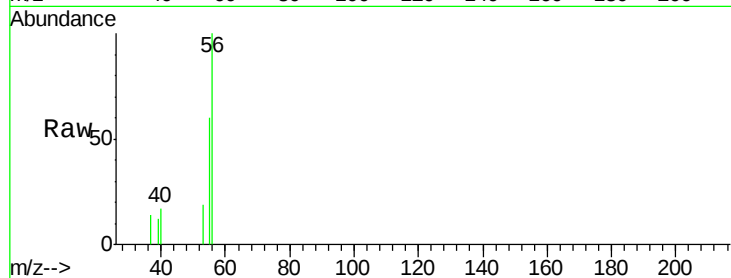
55 68.6 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 9.757 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

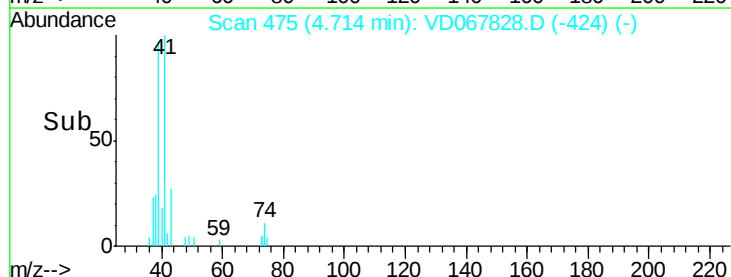
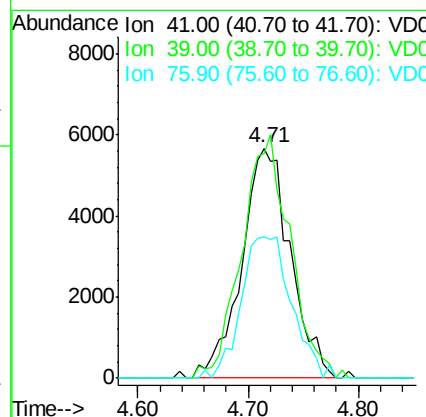
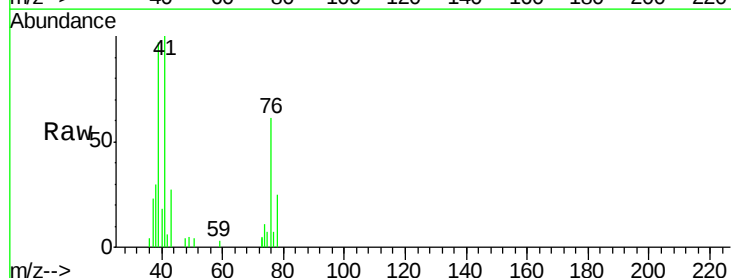
Tgt Ion: 41 Resp: 17497

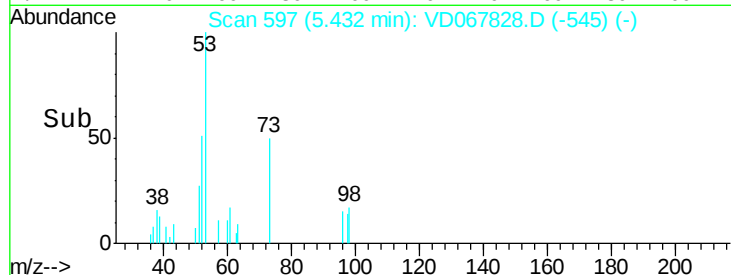
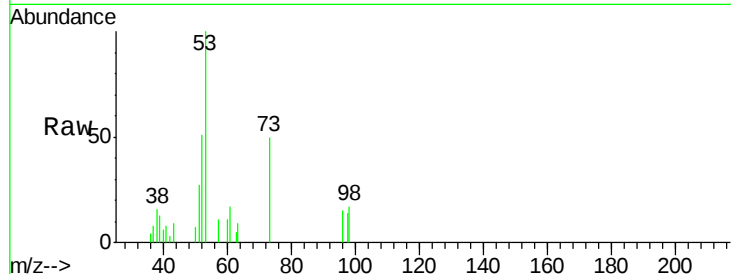
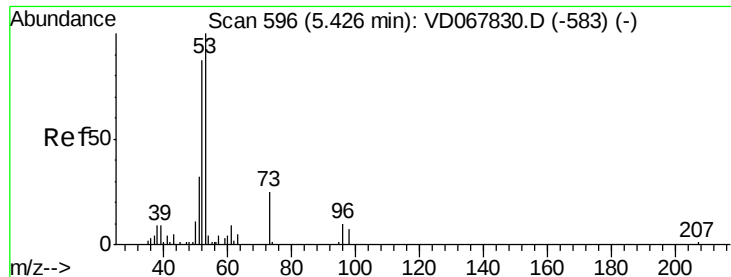
Ion Ratio Lower Upper

41 100

39 105.1 79.0 118.6

76 63.6 46.6 70.0





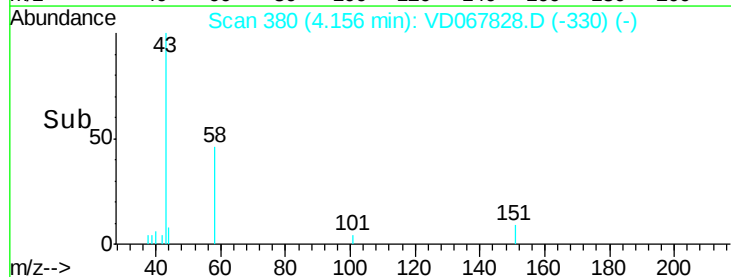
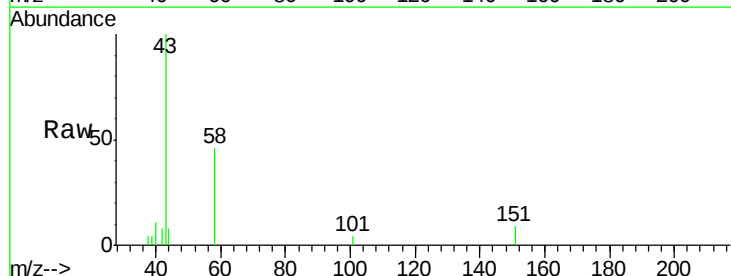
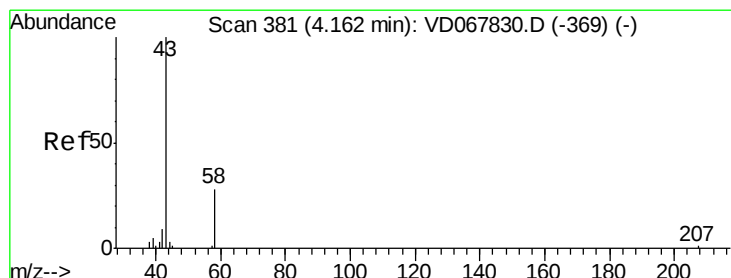
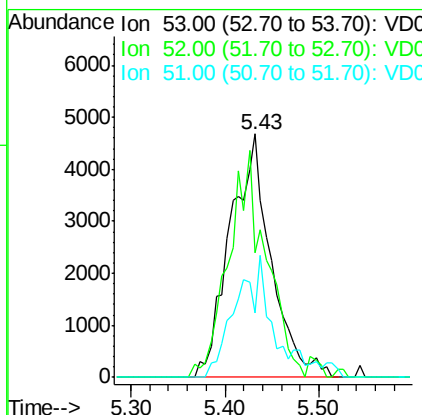
#15
Acrylonitrile
Concen: 46.489 ug/l
RT: 5.43 min Scan# 597
Delta R.T. 0.01 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tot Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.2	99.2
51	24.8	31.1	46.7#

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

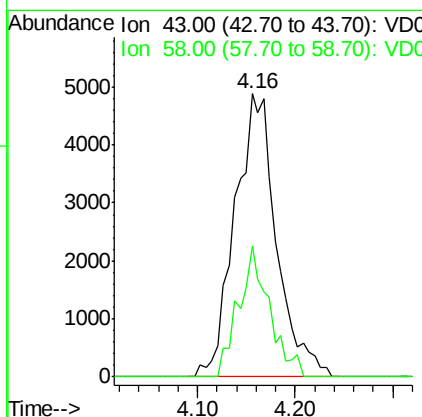
Manual Integrations
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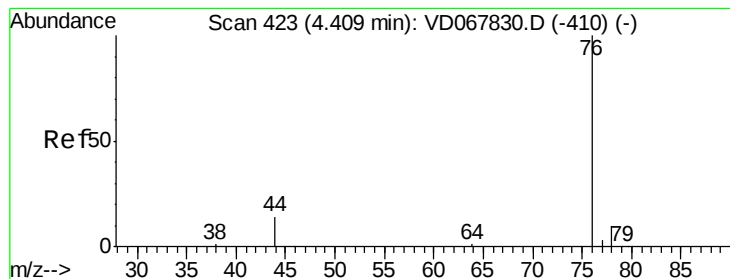
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#16
Acetone
Concen: 47.105 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.5	21.9	32.9#





#17

Carbon Disulfide

Concen: 10.362 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Tot Ion: 76 Resp: 56085

Ion Ratio Lower Upper

76 100

78 10.3 7.8 11.6

Instrument :

MSVOA_D

ClientSampleId :

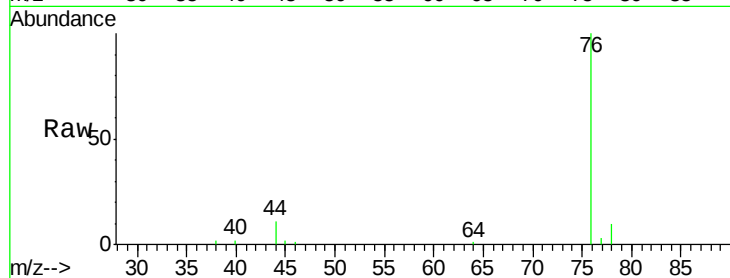
VSTDIC010

Manual Integrations

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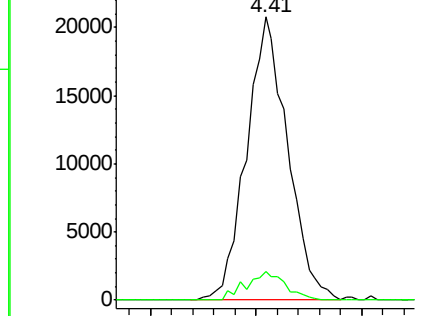
MMDadoda

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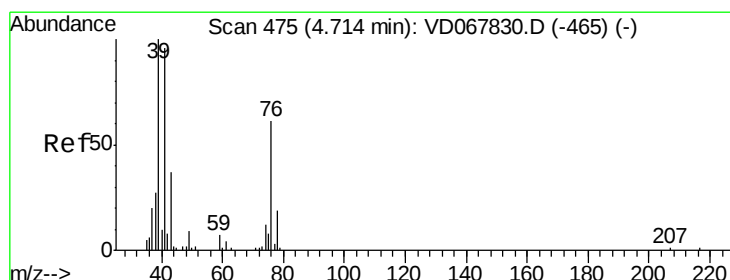
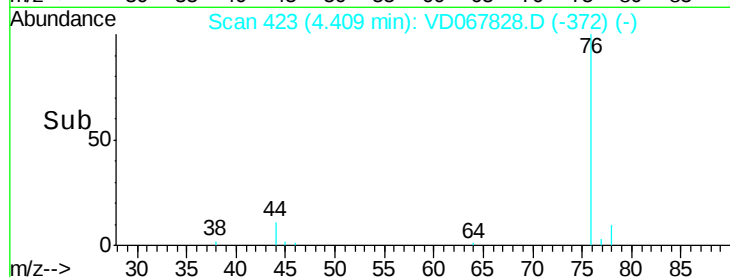


Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



Time-->



#18

Methyl Acetate

Concen: 9.126 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067828.D

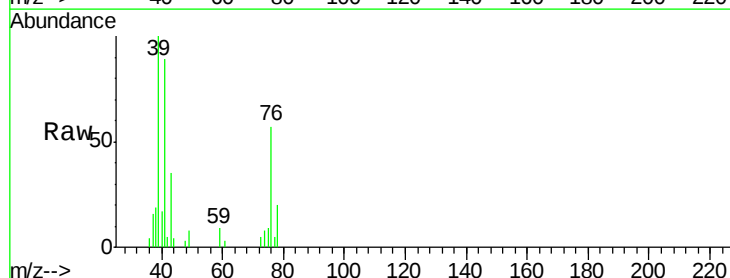
Acq: 01 Dec 2020 11:01

Tgt Ion: 43 Resp: 5761

Ion Ratio Lower Upper

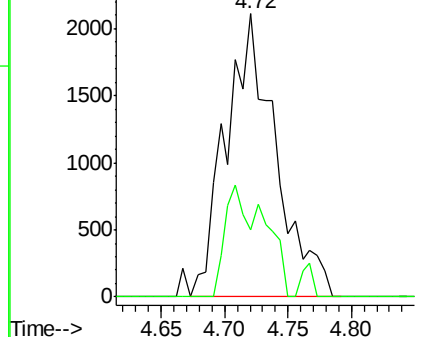
43 100

74 18.1 27.0 40.4#

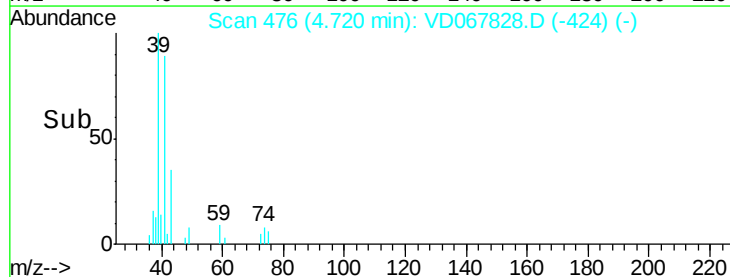


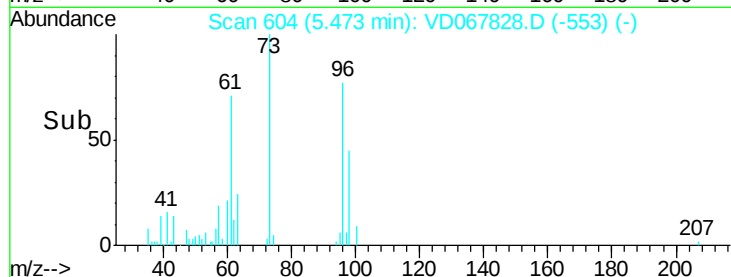
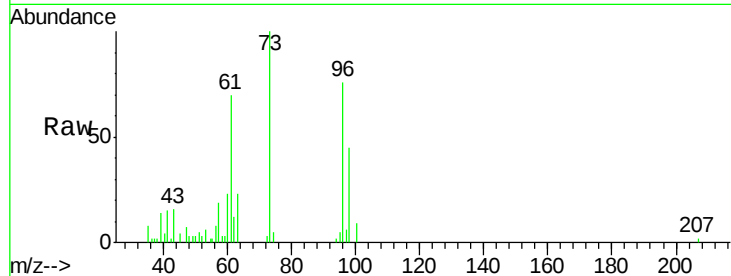
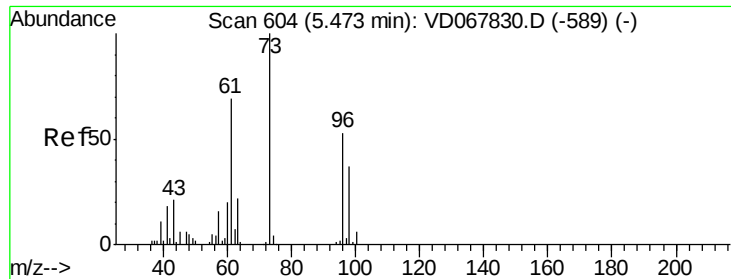
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->





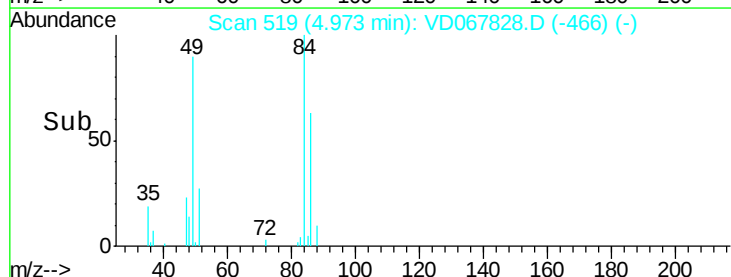
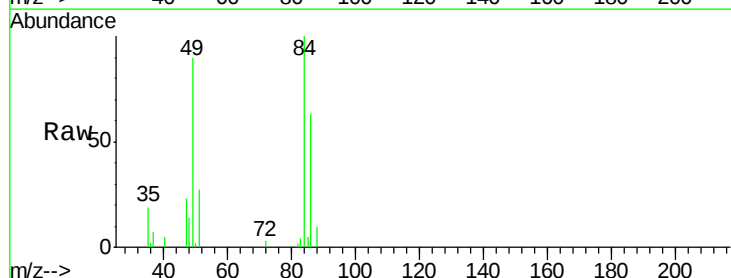
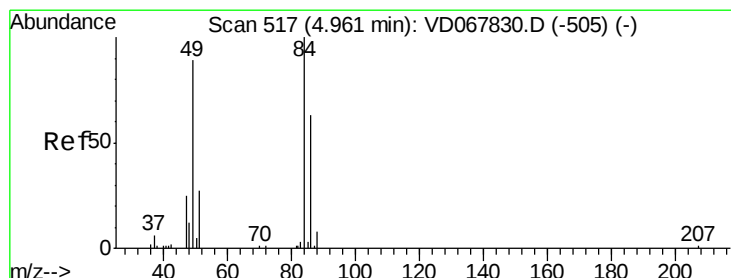
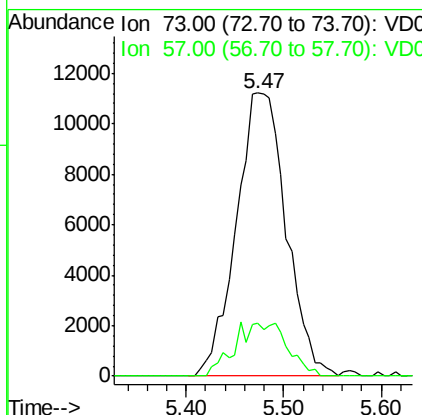
#19
Methyl tert-butyl Ether
Concen: 9.618 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tot Ion: 73 Resp: 39925
Ion Ratio Lower Upper
73 100
57 18.8 13.2 19.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

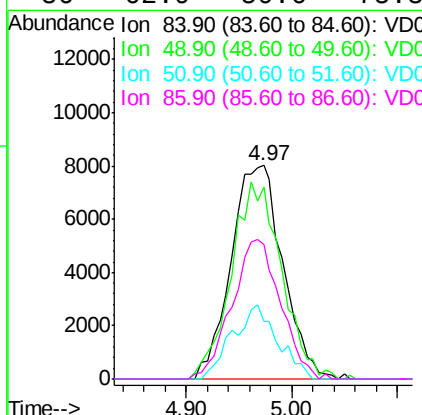
Manual Integrations
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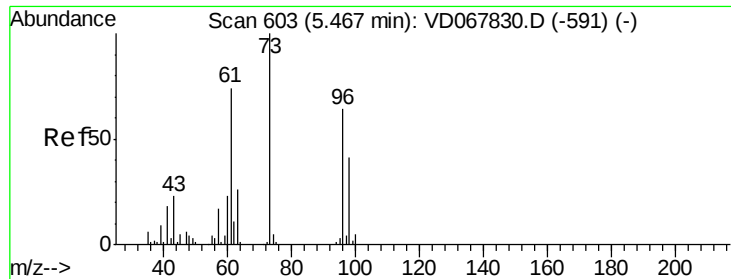
MMDadoda
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#20
Methylene Chloride
Concen: 11.544 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion: 84 Resp: 27211
Ion Ratio Lower Upper
84 100
49 89.8 71.4 107.0
51 27.1 21.8 32.8
86 62.9 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 10.404 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

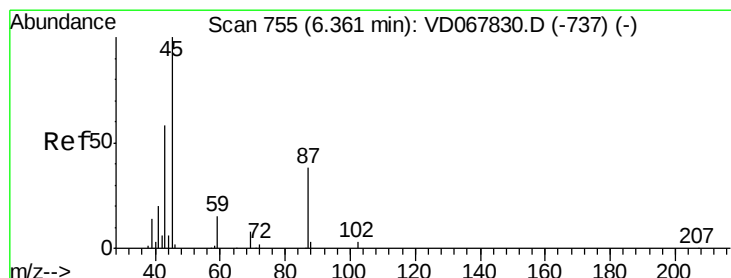
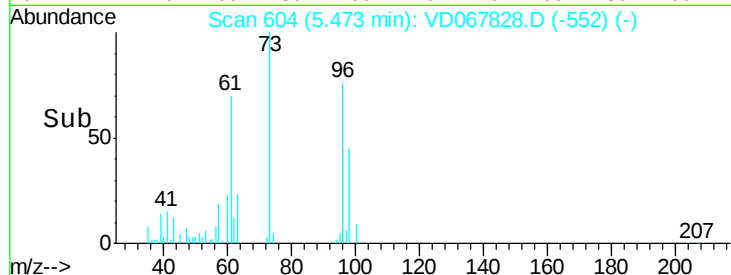
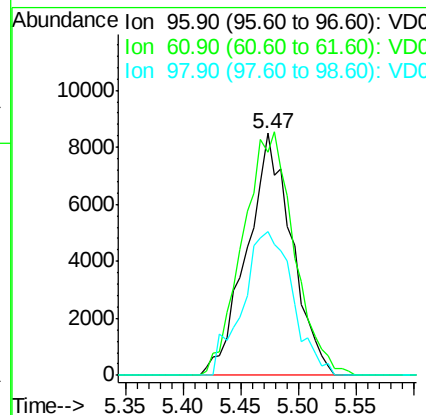
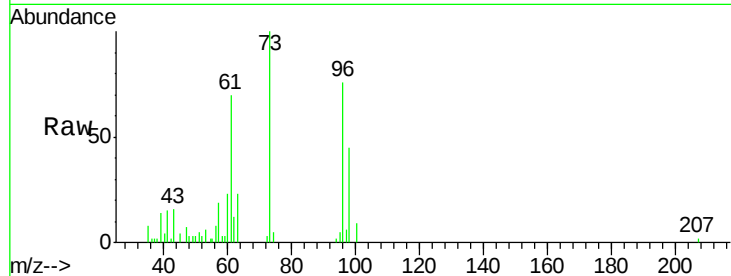
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	22950
Ion	Ratio	Lower	Upper
96	100		
61	92.1	93.1	139.7#
98	59.2	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 10.156 ug/l

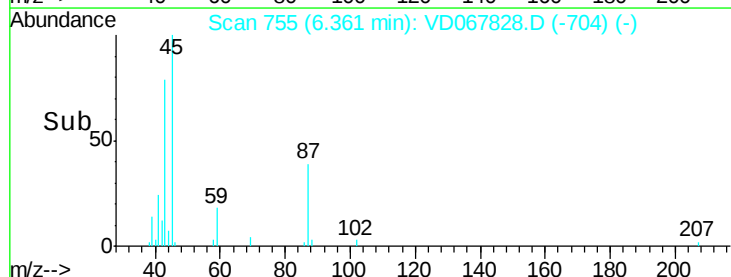
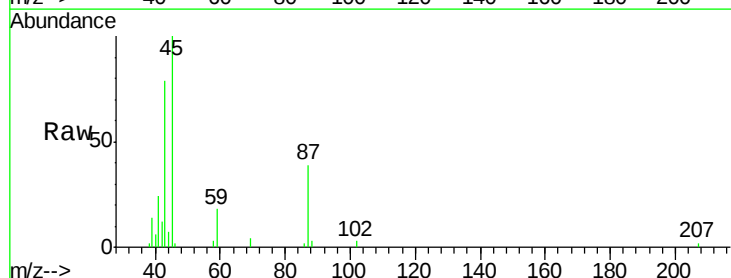
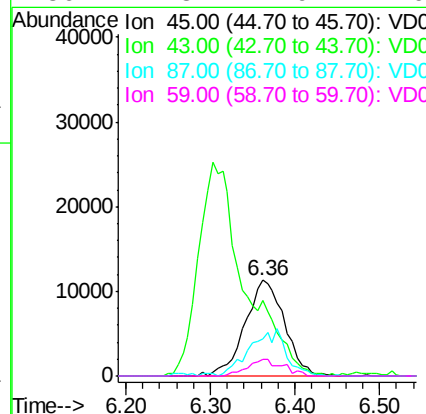
RT: 6.36 min Scan# 755

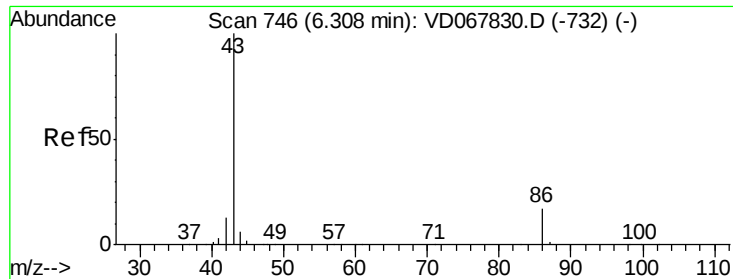
Delta R.T. 0.00 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Tgt Ion:	45	Resp:	36633
Ion	Ratio	Lower	Upper
45	100		
43	76.6	49.8	74.6#
87	38.5	32.1	48.1
59	17.8	11.9	17.9





#23

Vinyl Acetate

Concen: 48.013 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 96343

Ion Ratio Lower Upper

43 100

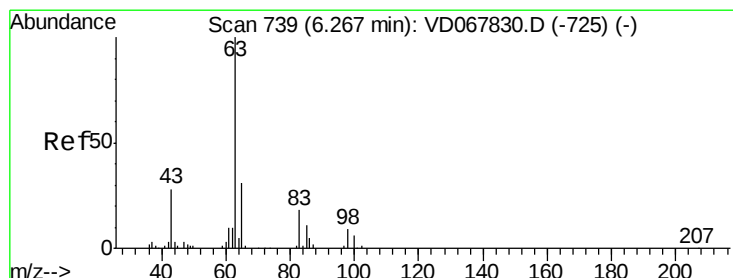
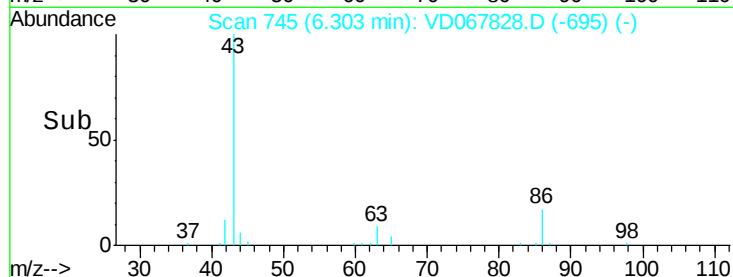
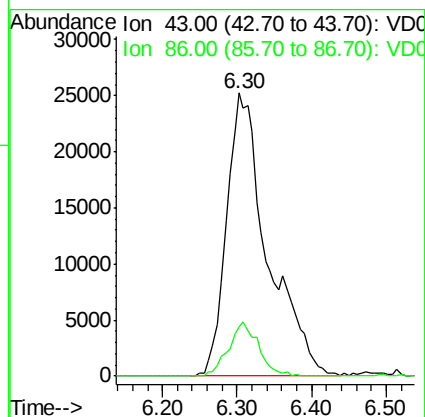
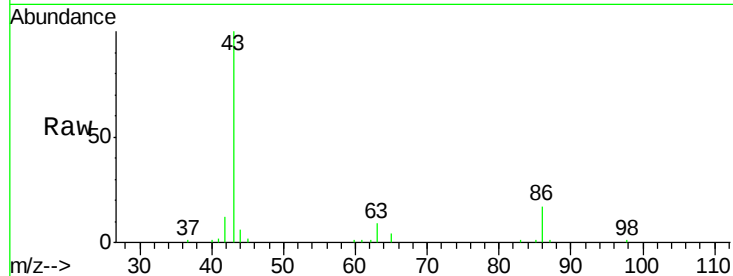
86 17.3 13.8 20.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 10.521 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

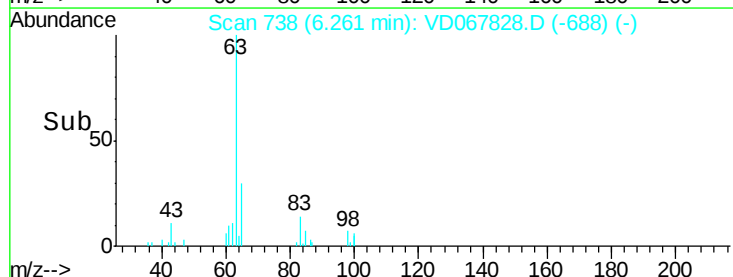
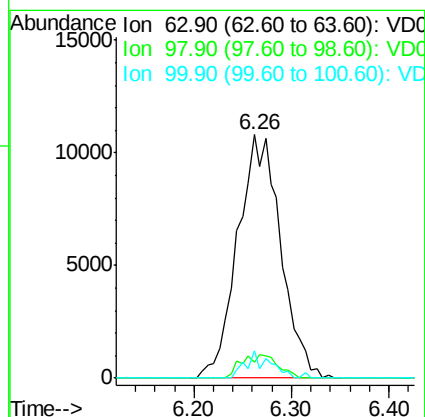
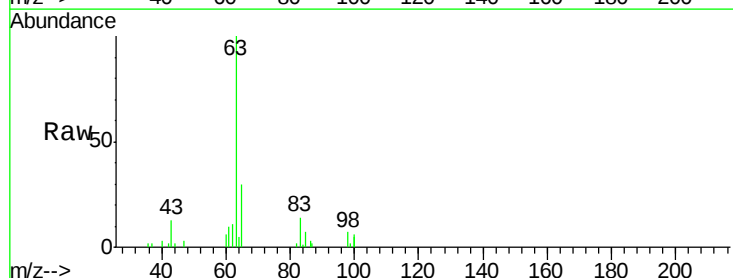
Tgt Ion: 63 Resp: 33265

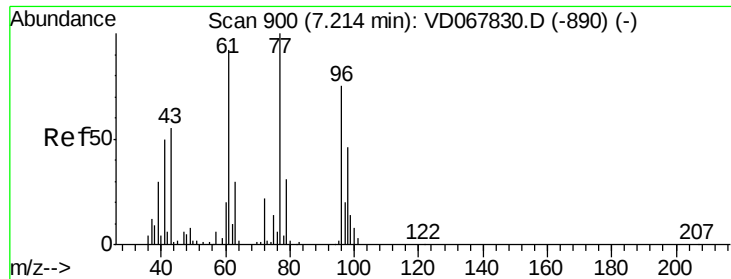
Ion Ratio Lower Upper

63 100

98 6.7 4.5 13.5

100 11.0 3.0 9.2#





#25

2-Butanone

Concen: 50.255 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 16404

Ion Ratio Lower Upper

43 100

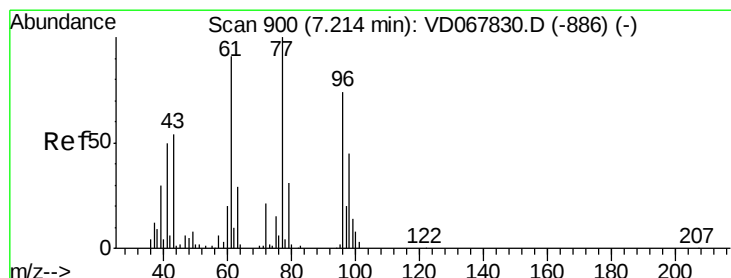
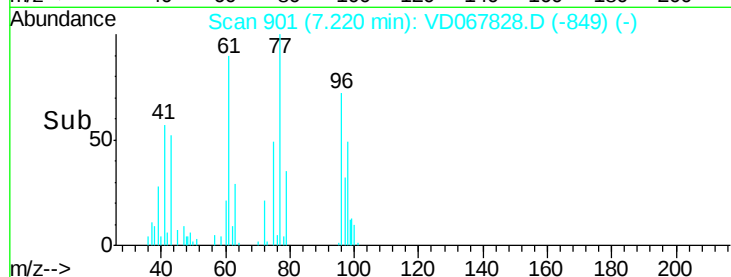
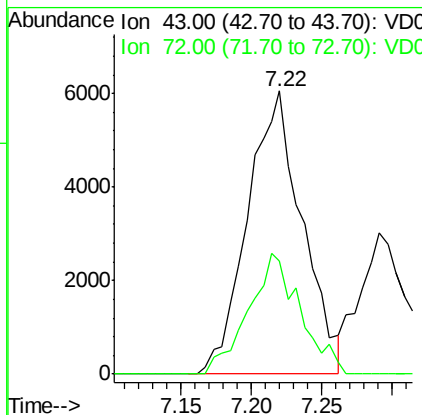
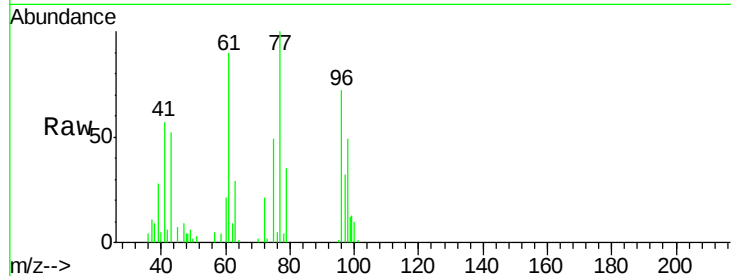
72 40.0 31.3 46.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 10.796 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067828.D

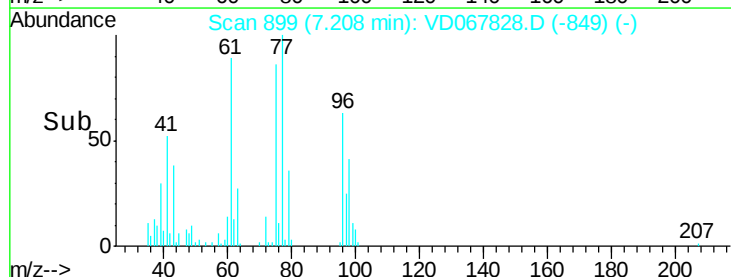
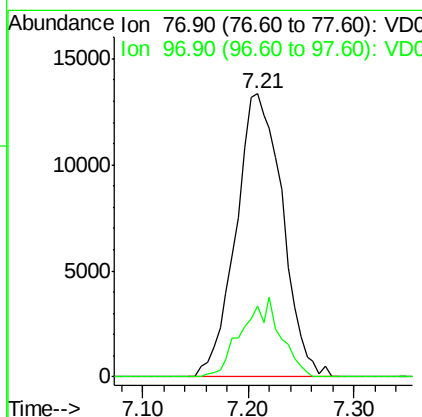
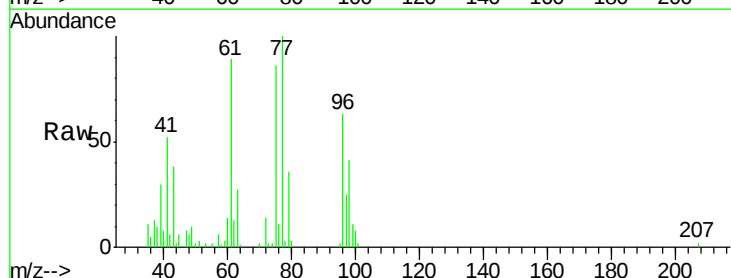
Acq: 01 Dec 2020 11:01

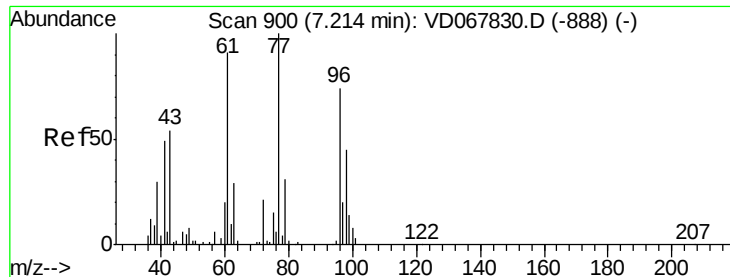
Tgt Ion: 77 Resp: 40706

Ion Ratio Lower Upper

77 100

97 23.6 11.1 33.1





#27

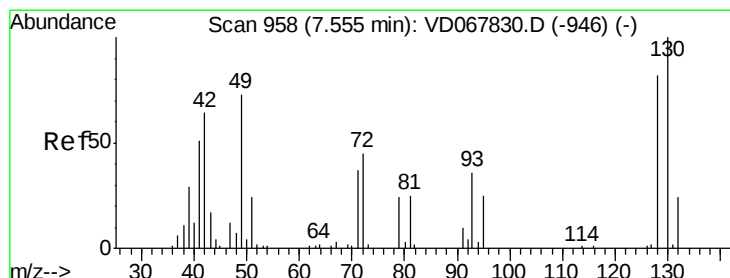
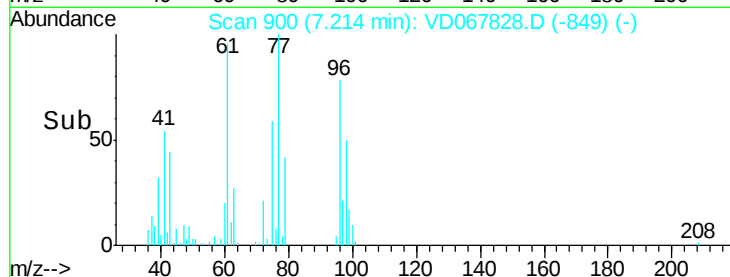
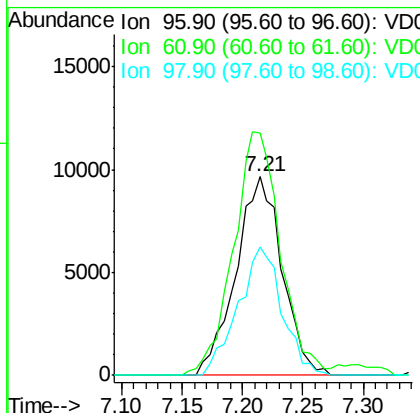
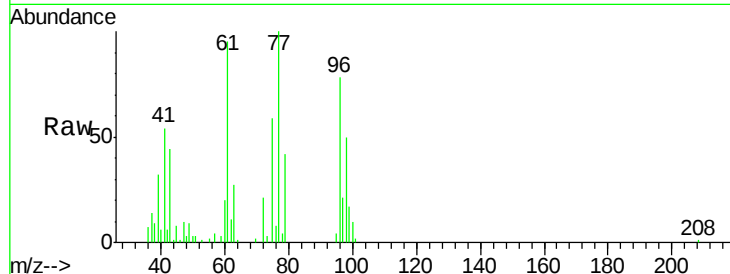
cis-1,2-Dichloroethene
Concen: 10.613 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	25606		
61	125.1		0.0	248.4
98	61.6		0.0	127.4

Manual Integrations
APPROVED

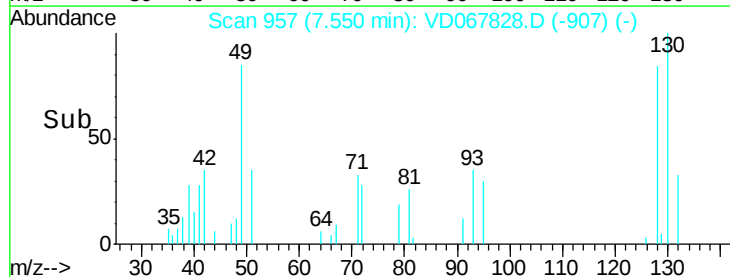
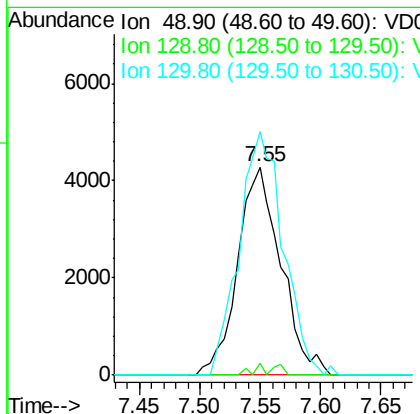
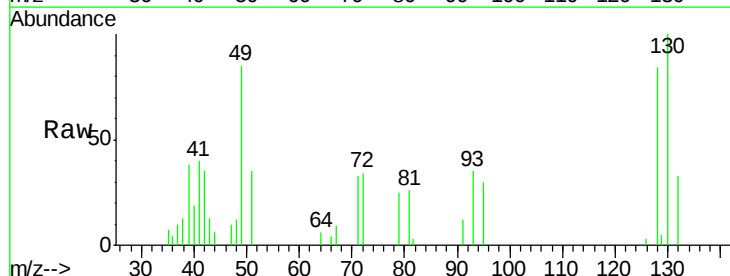
MMDadoda
12/2/2020 12:23:56 PM

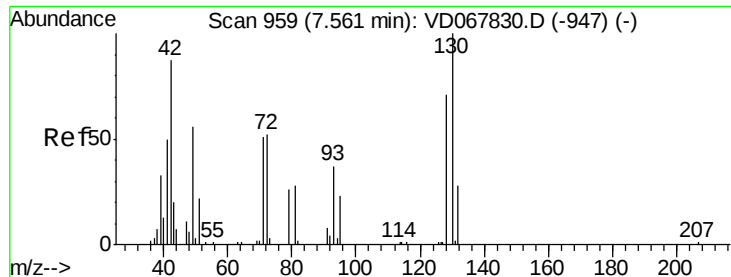


#28

Bromochloromethane
Concen: 10.683 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	10724		
129	1.3		0.0	3.4
130	119.2		110.2	165.2





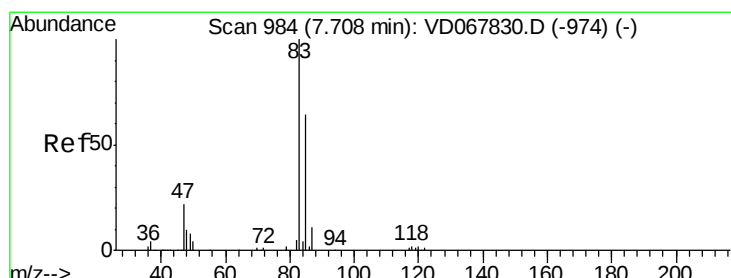
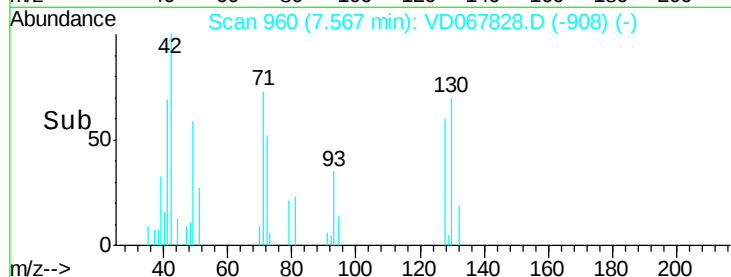
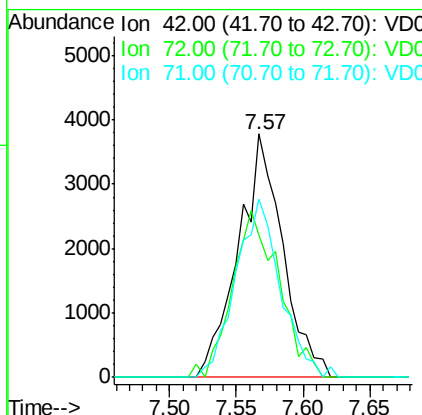
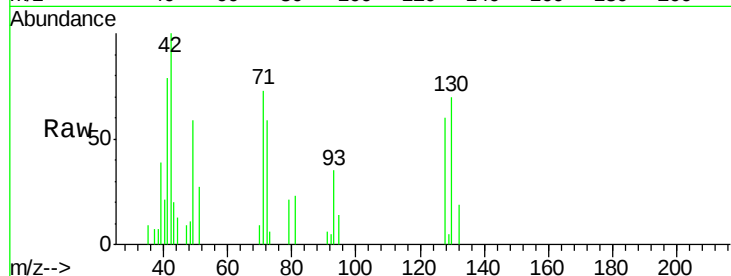
#29
Tetrahydrofuran
Concen: 50.928 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	72.7	51.9	77.9
71	73.9	48.2	72.4

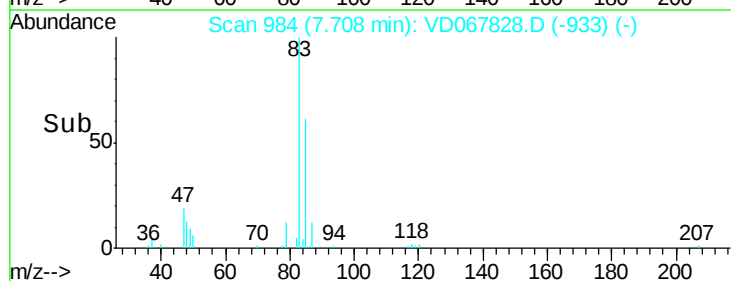
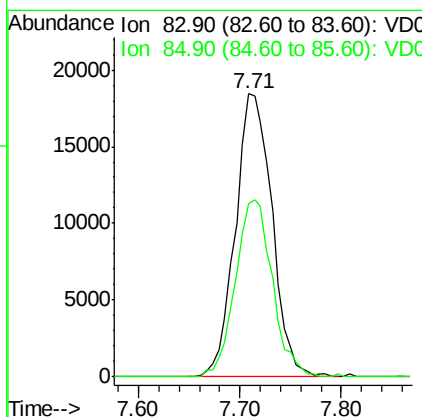
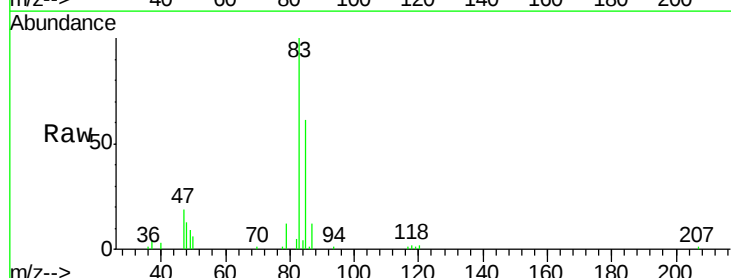
Manual Integrations
APPROVED

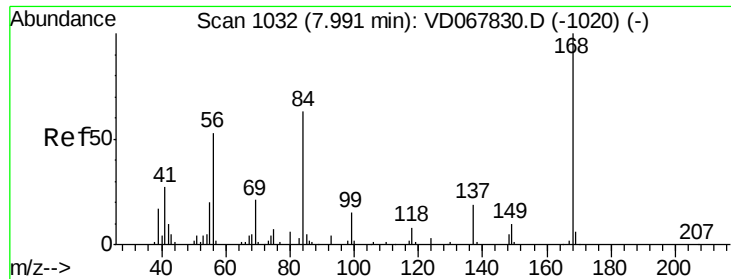
MMDadoda
12/2/2020 12:23:56 PM



#30
Chloroform
Concen: 10.931 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.0	76.4





#31

Cyclohexane

Concen: 10.545 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 27903

Ion Ratio Lower Upper

56 100

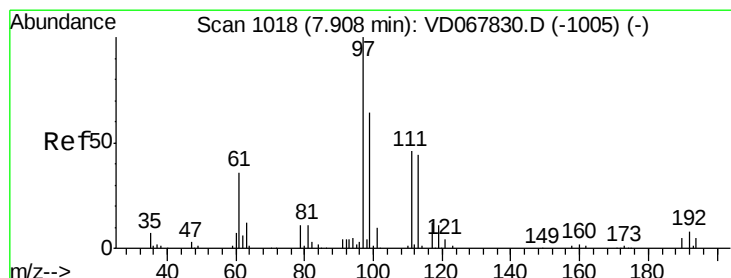
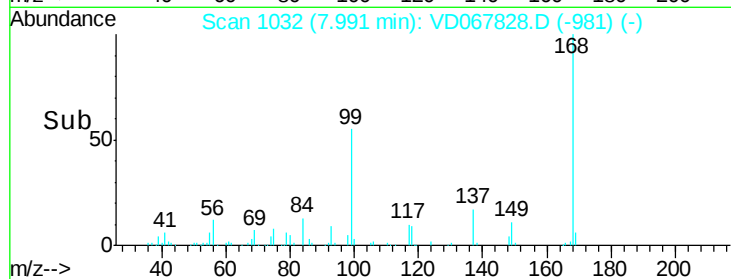
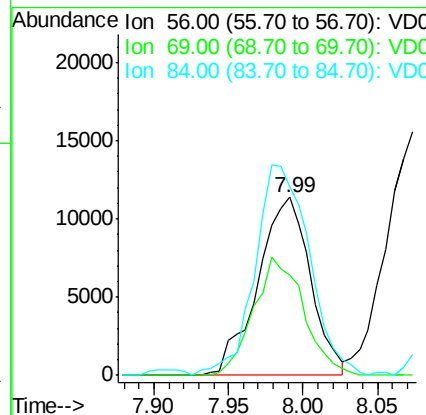
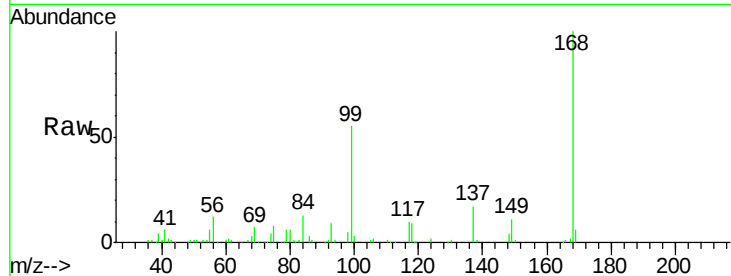
69 56.6 32.1 48.1#

84 106.2 93.2 139.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 10.007 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

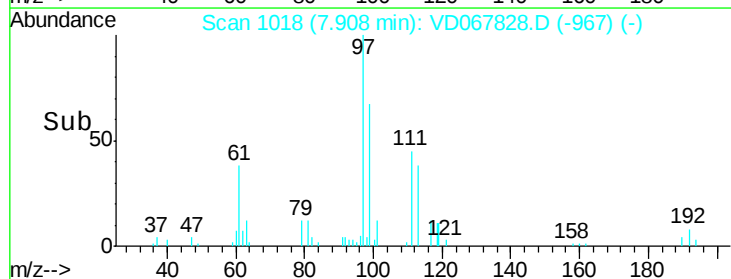
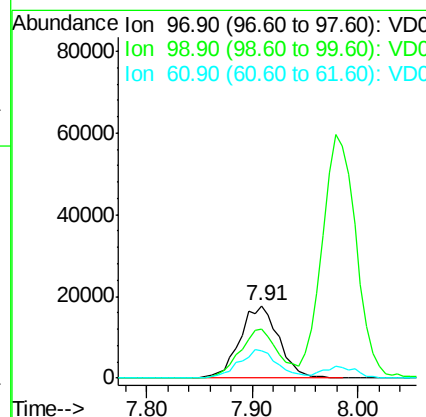
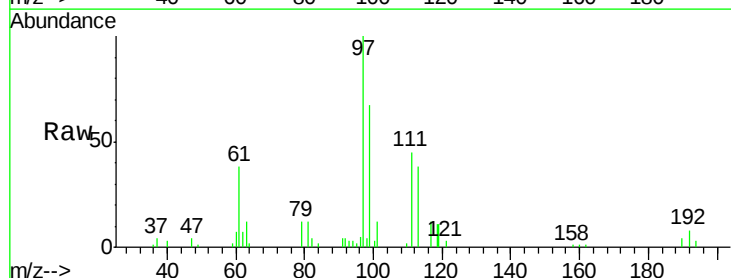
Tgt Ion: 97 Resp: 44636

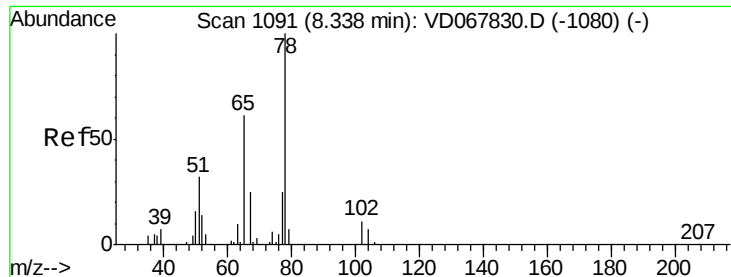
Ion Ratio Lower Upper

97 100

99 68.5 51.4 77.2

61 38.9 30.8 46.2





#33

1,2-Dichloroethane-d4

Concen: 10.325 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 25930

Ion Ratio Lower Upper

65 100

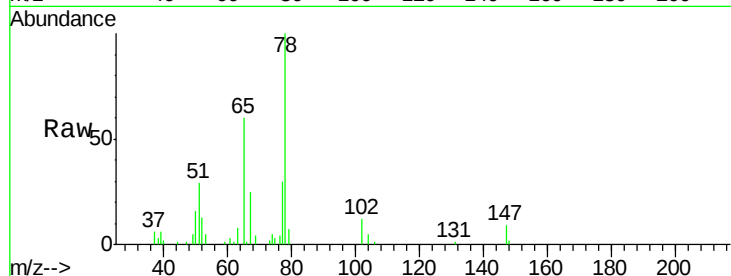
67 45.0 0.0 92.0

Manual Integrations

APPROVED

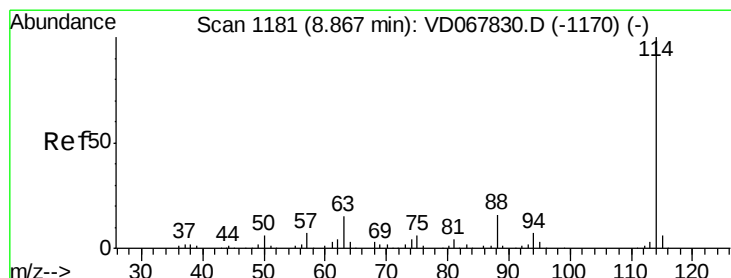
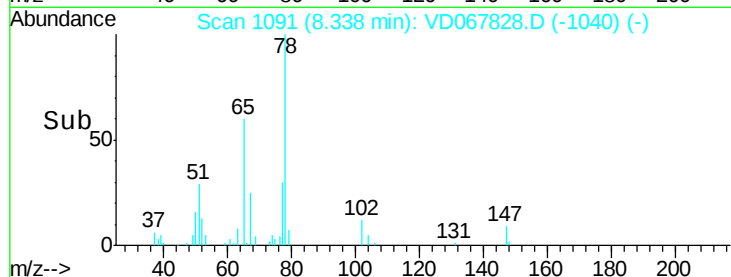
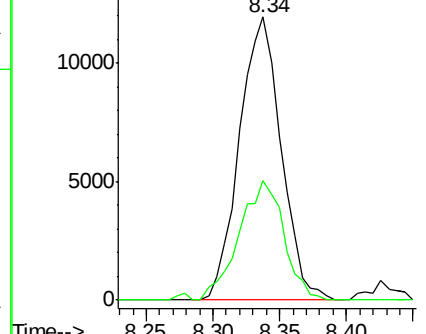
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

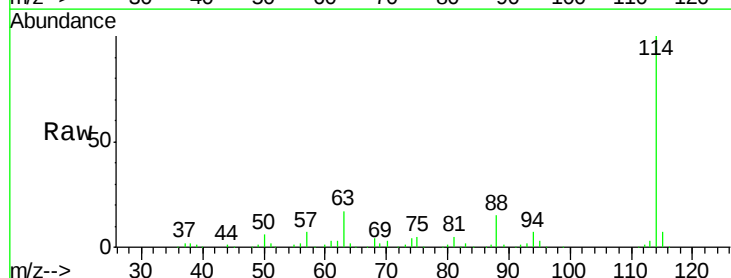
Tgt Ion: 114 Resp: 336399

Ion Ratio Lower Upper

114 100

63 17.1 0.0 30.8

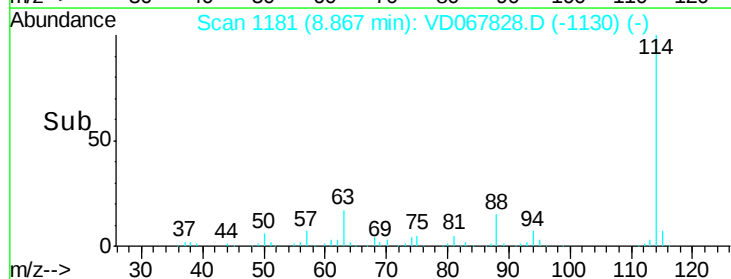
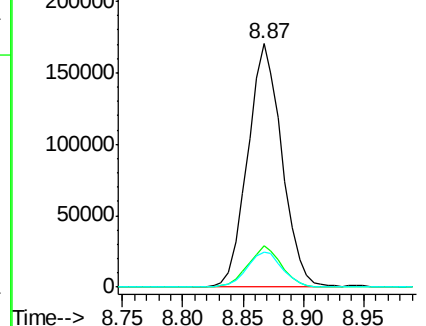
88 14.5 0.0 31.8

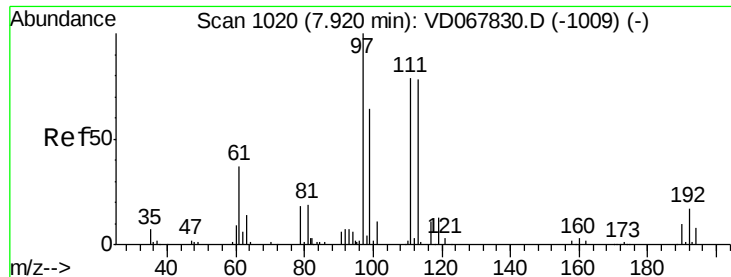


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





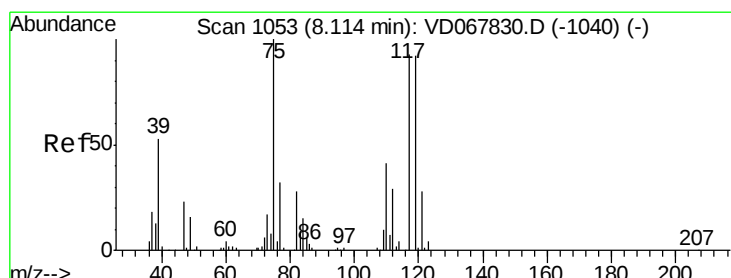
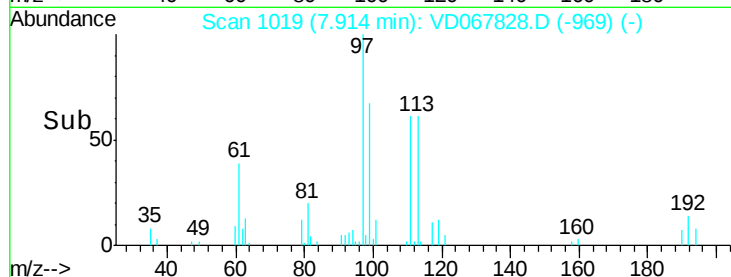
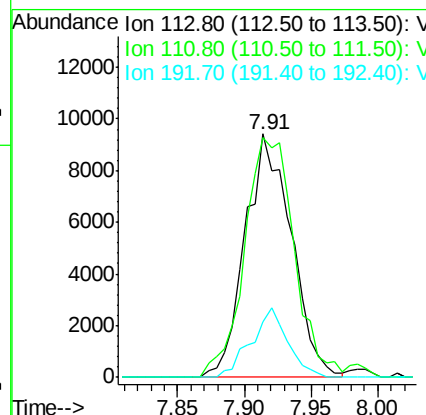
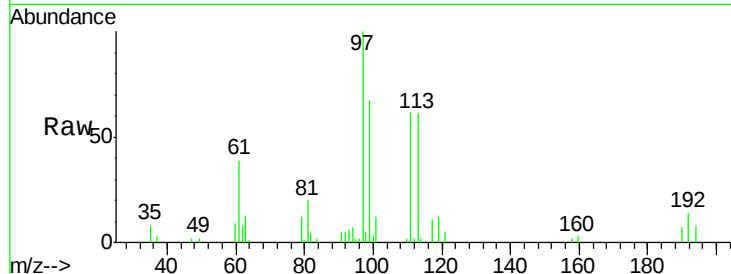
#35
 Dibromofluoromethane
 Concen: 10.008 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067828.D
 Acq: 01 Dec 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
113	100	22528		
111	105.9		81.2	121.8
192	22.6		16.8	25.2

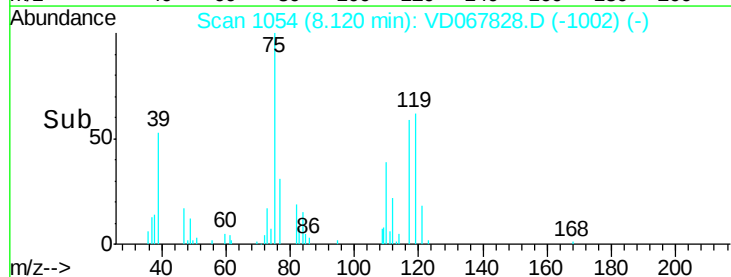
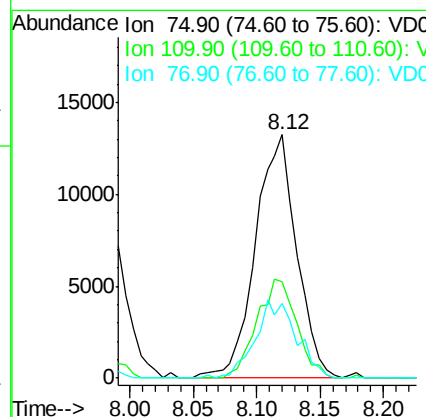
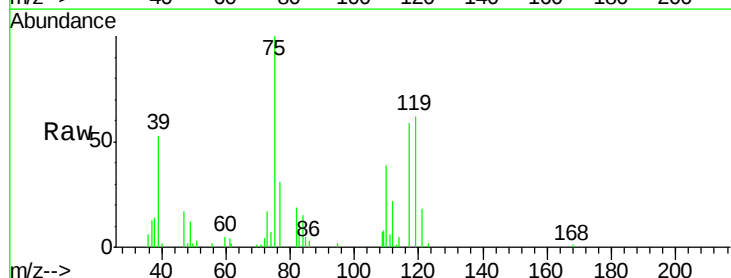
Manual Integrations
 APPROVED

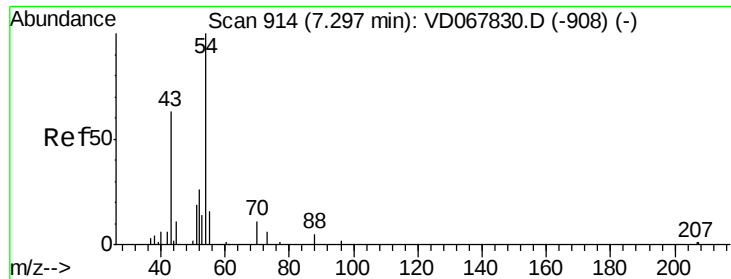
MMDadoda
 12/2/2020 12:23:56 PM



#36
 1,1-Dichloropropene
 Concen: 10.298 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD067828.D
 Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29991		
110	39.1		20.3	61.0
77	32.1		24.7	37.1





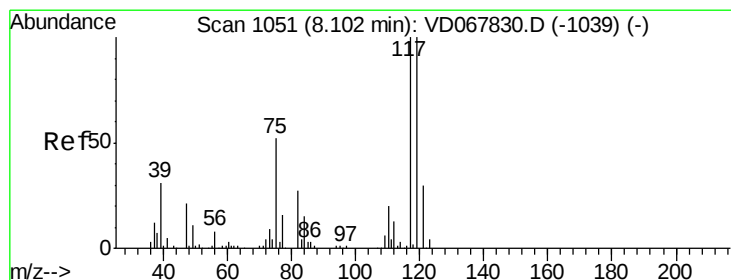
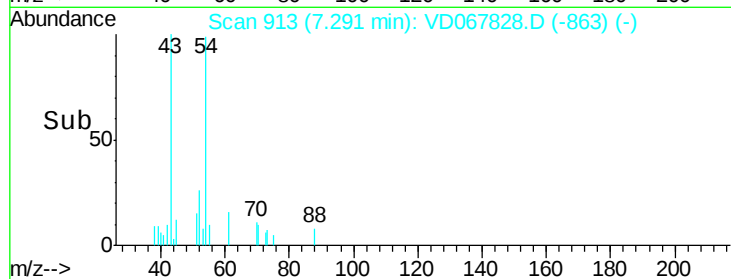
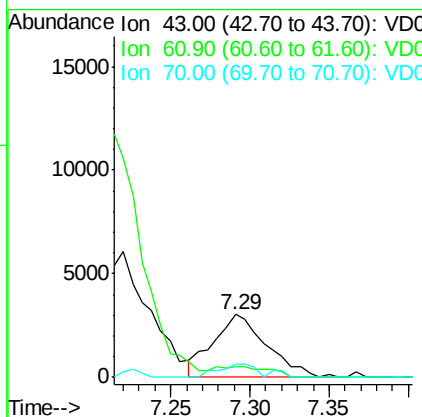
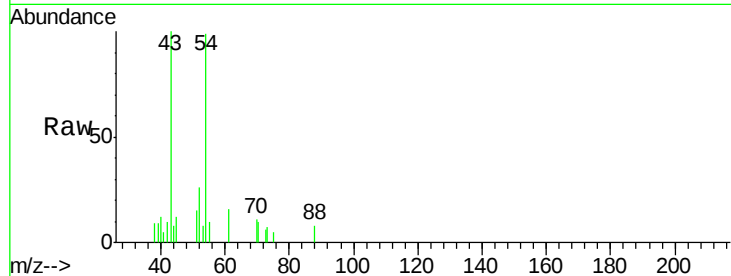
#37
Ethyl Acetate
Concen: 10.484 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.0	11.4	17.2
70	13.7	11.5	17.3

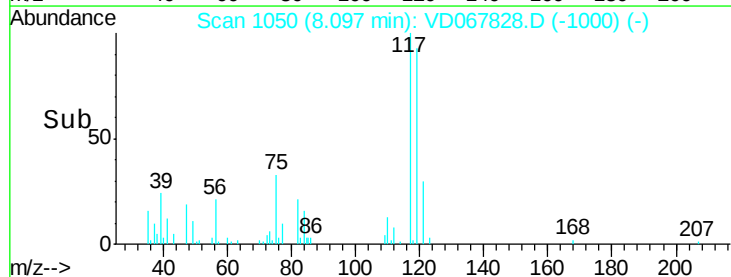
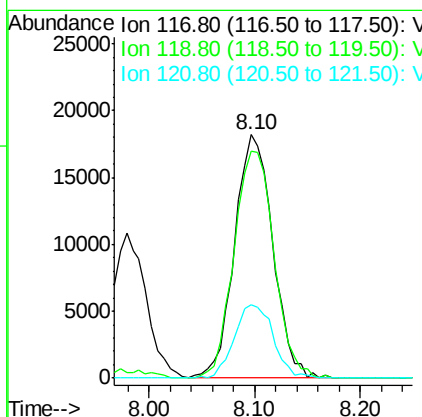
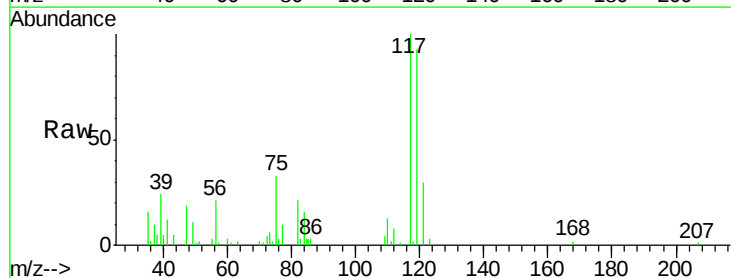
Manual Integrations
APPROVED

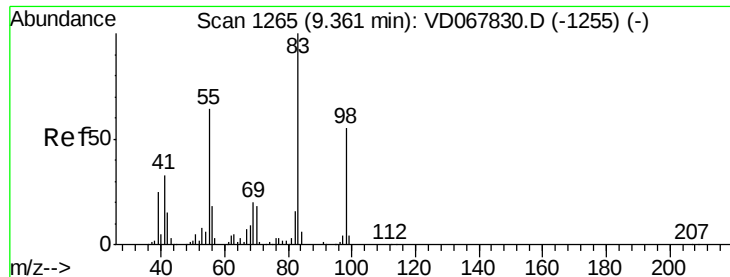
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12/2/2020 12:23:56 PM



#38
Carbon Tetrachloride
Concen: 10.378 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	79.7	119.5
121	30.1	23.8	35.6





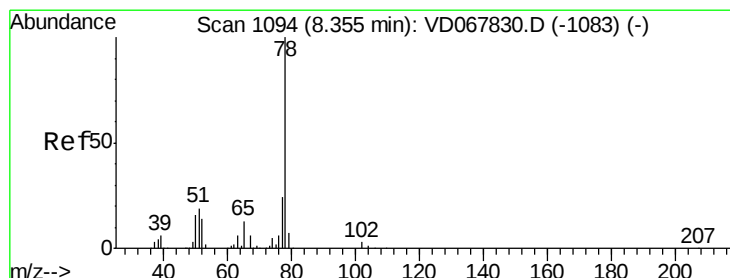
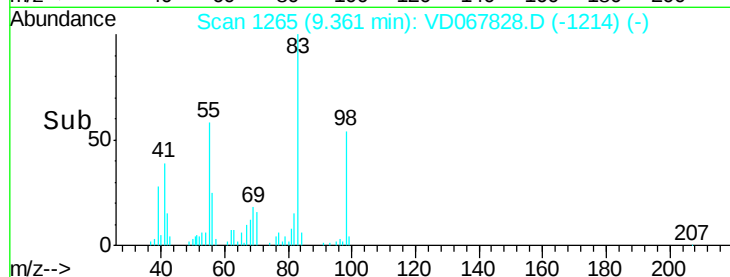
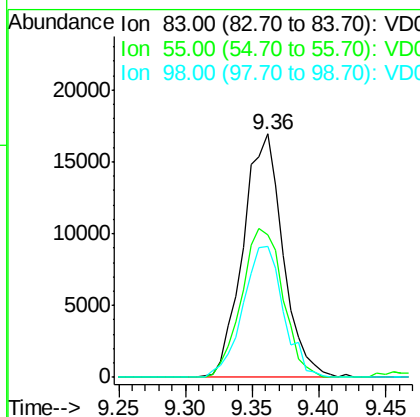
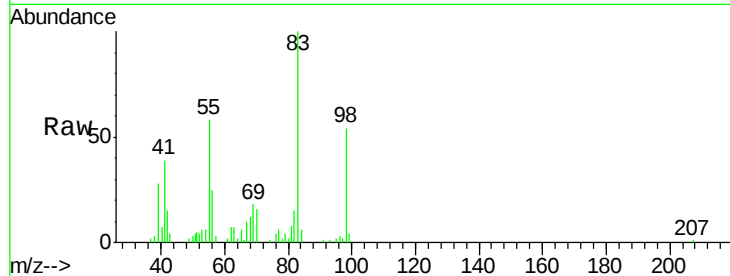
#39
Methvlcvclohexane
Concen: 10.130 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	58.5	51.6	77.4
98	54.0	44.3	66.5

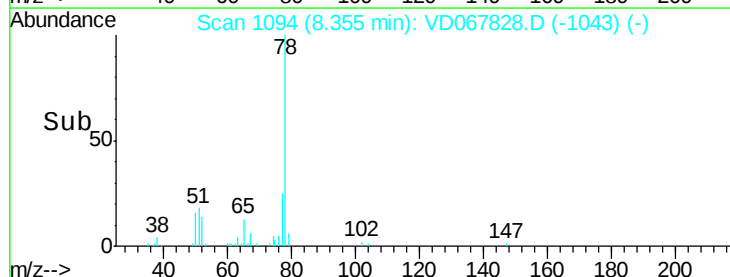
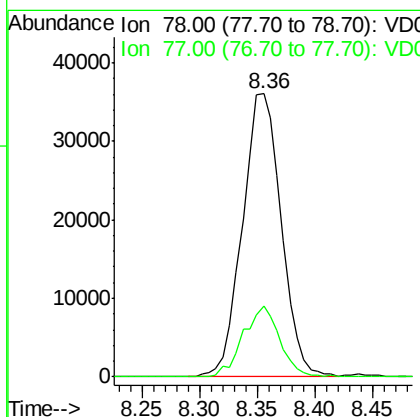
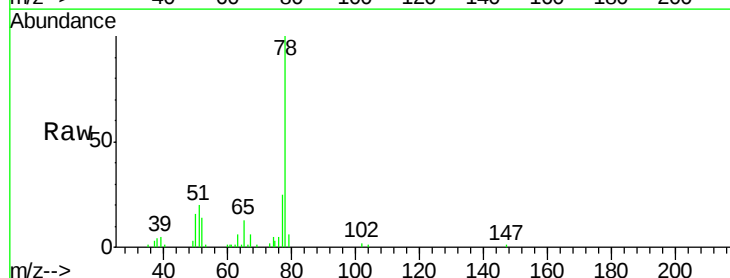
Manual Integrations
APPROVED

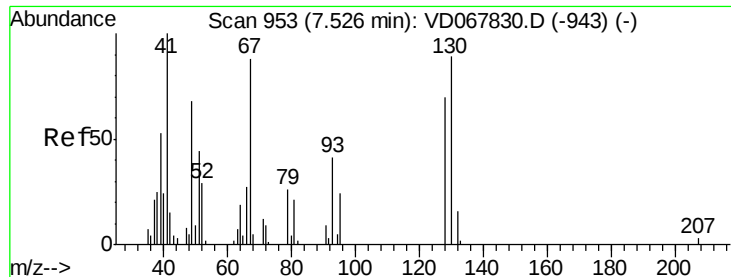
MMDadoda
12/2/2020 12:23:56 PM



#40
Benzene
Concen: 10.594 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.1	28.7





#41

Methacrylonitrile

Concen: 7.770 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 2965

Ion Ratio Lower Upper

41 100

39 86.6 42.1 63.1#

67 134.9 82.4 123.6#

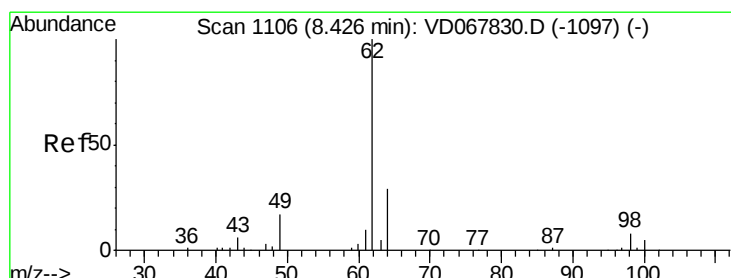
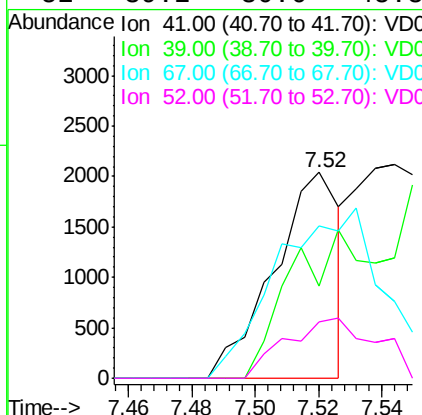
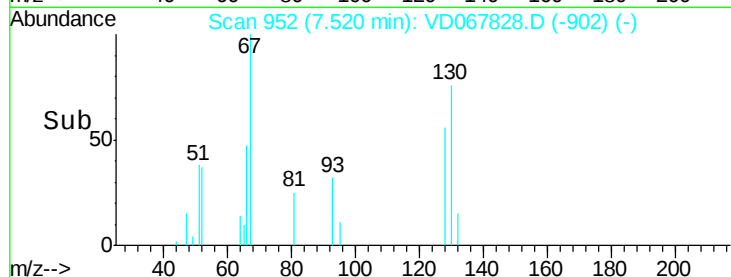
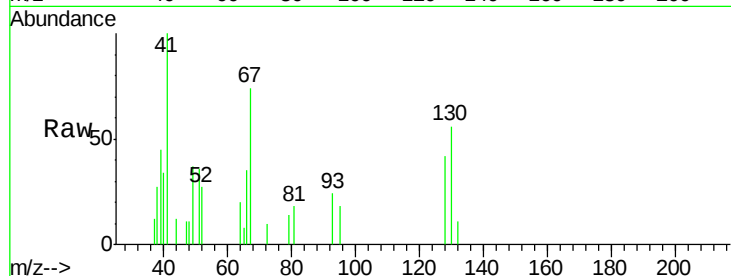
52 39.2 30.6 45.8

Manual Integrations

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12/2/2020 12:23:56 PM



#42

1,2-Dichloroethane

Concen: 10.458 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD067828.D

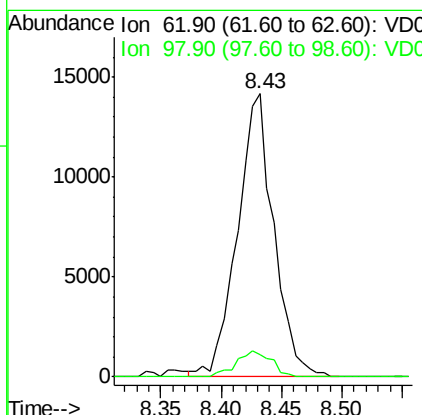
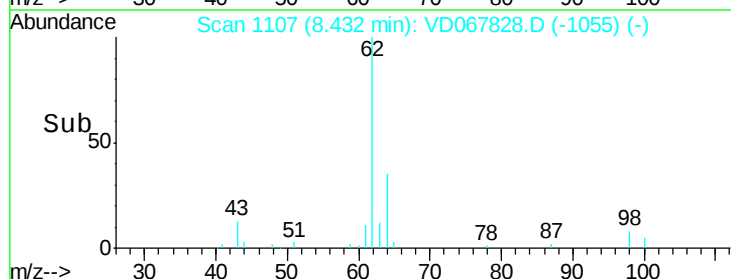
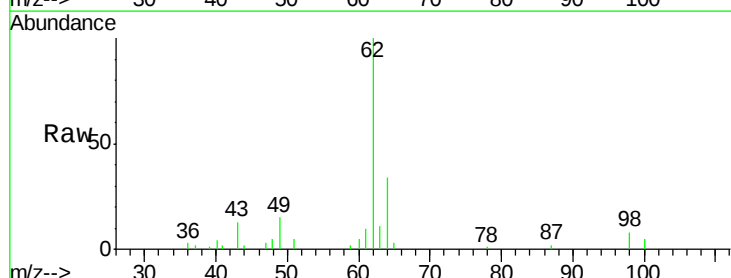
Acq: 01 Dec 2020 11:01

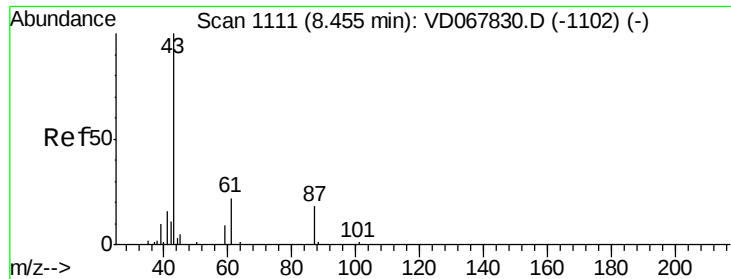
Tgt Ion: 62 Resp: 29702

Ion Ratio Lower Upper

62 100

98 8.9 0.0 17.2





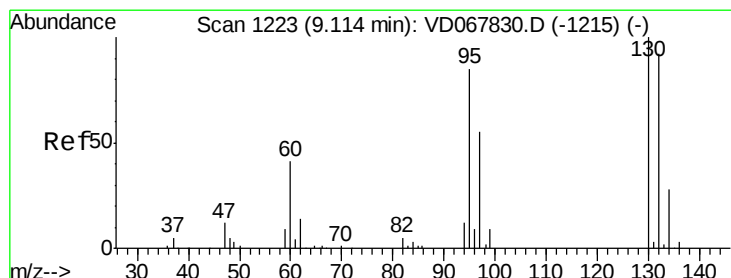
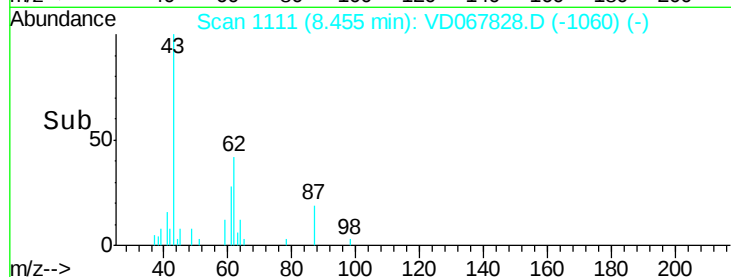
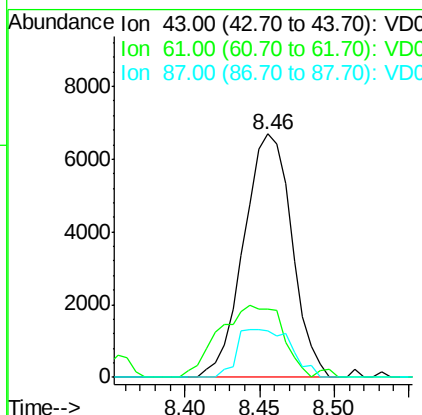
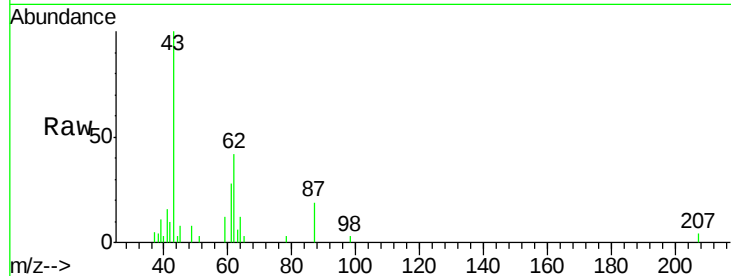
#43
Isopropyl Acetate
Concen: 9.659 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	39.3	30.4	45.6
87	22.1	16.2	24.2

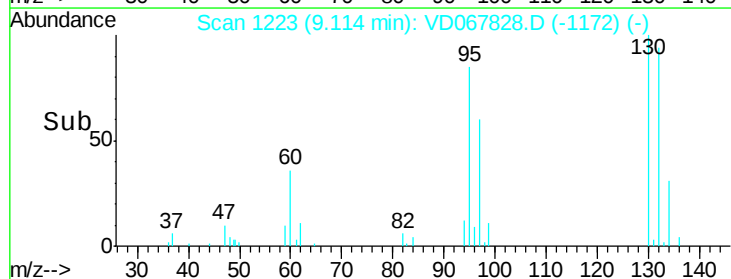
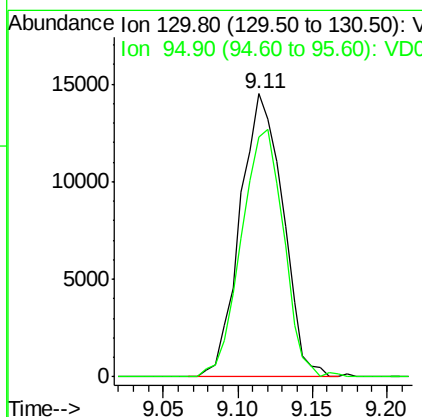
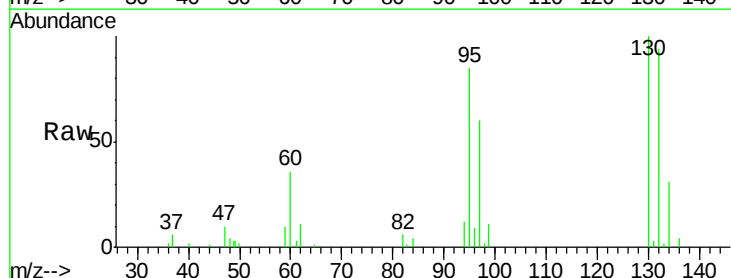
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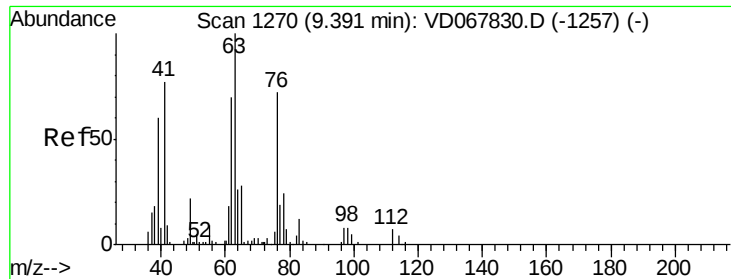
MMDadoda
12/2/2020 12:23:56 PM



#44
Trichloroethene
Concen: 10.505 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.0	0.0	170.2





#45

1,2-Dichloropropane

Concen: 10.470 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 17124

Ion Ratio Lower Upper

63 100

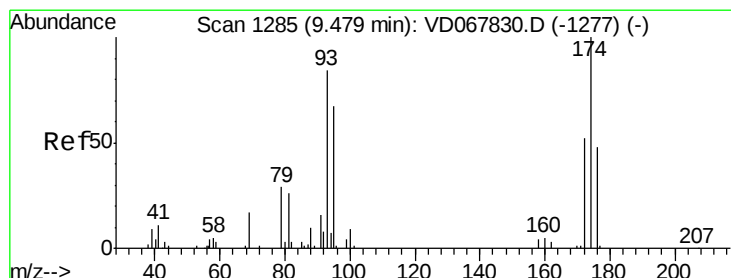
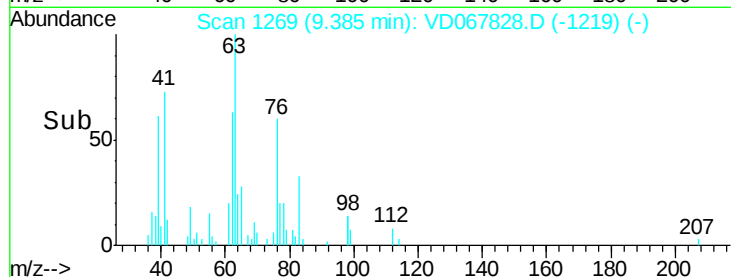
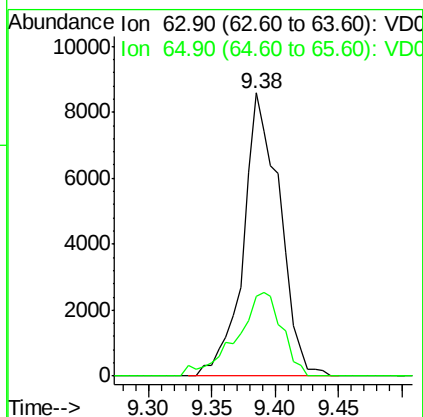
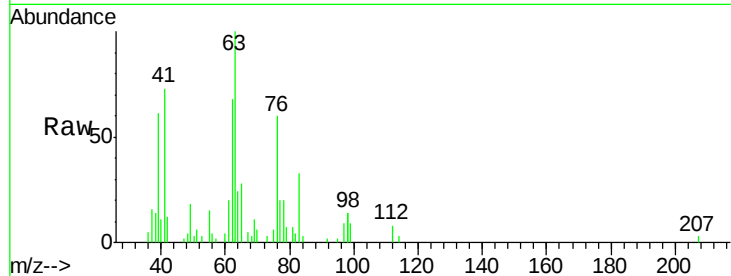
65 28.2 22.8 34.2

Manual Integrations

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#46

Dibromomethane

Concen: 10.411 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

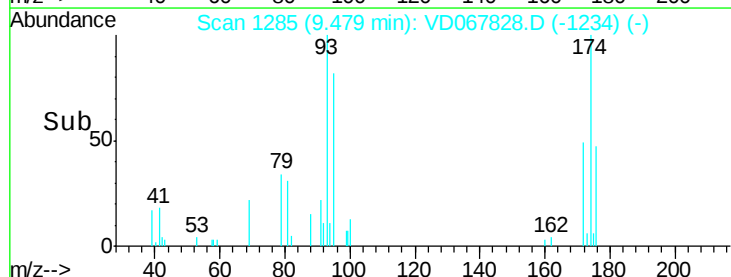
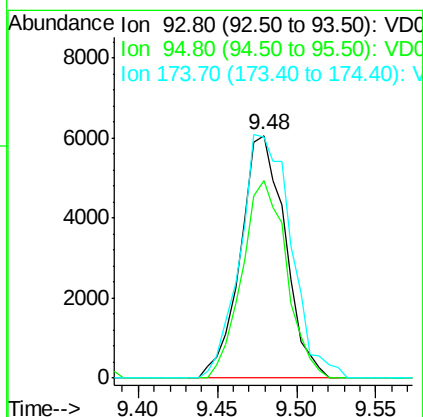
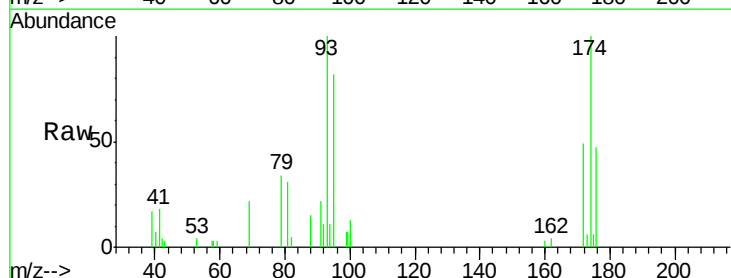
Tgt Ion: 93 Resp: 11838

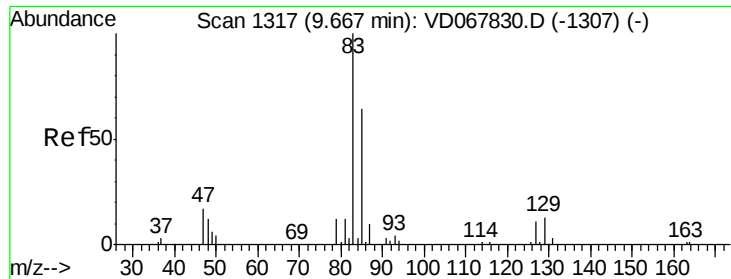
Ion Ratio Lower Upper

93 100

95 81.0 64.2 96.4

174 114.5 91.5 137.3





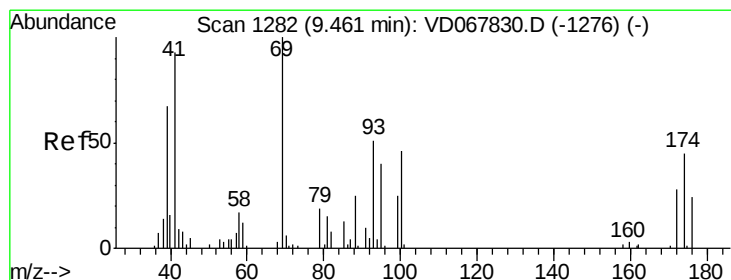
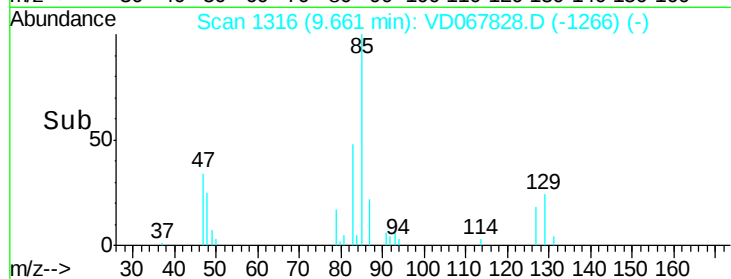
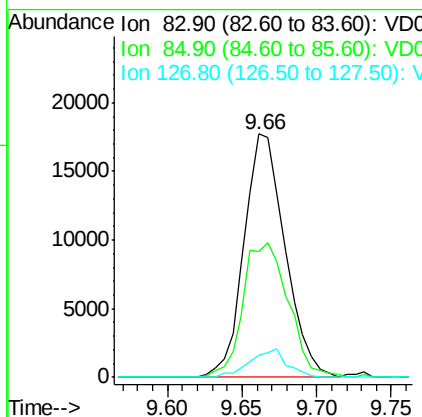
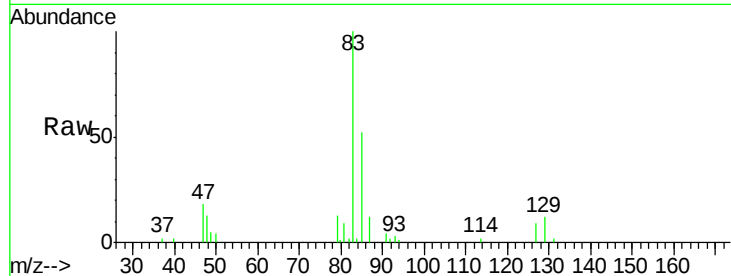
#47
Bromodichloromethane
Concen: 10.432 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:	83	Resp:	33818
Ion Ratio	Lower	Upper	
83	100		
85	51.8	51.4	77.0
127	9.3	8.5	12.7

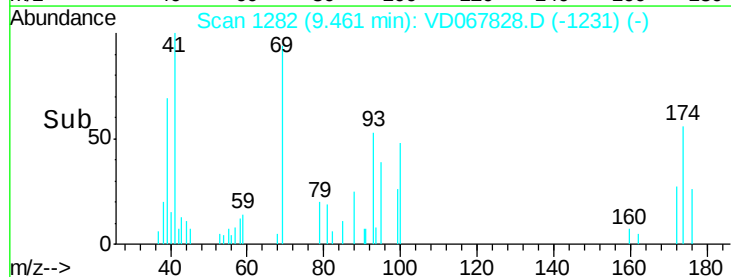
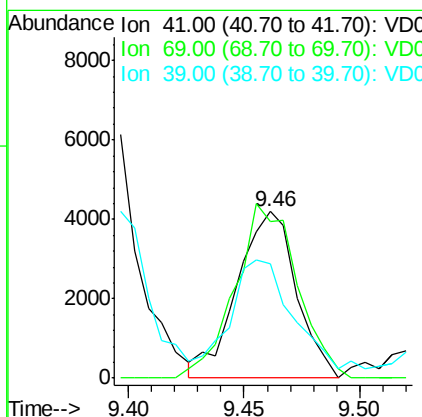
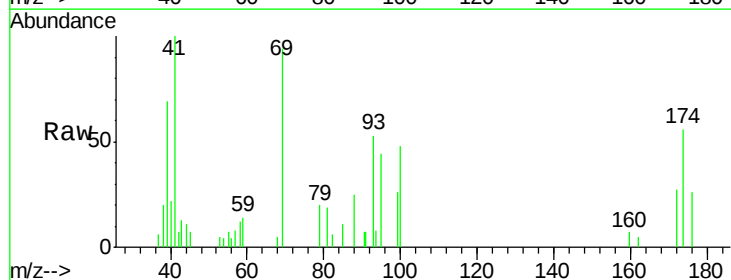
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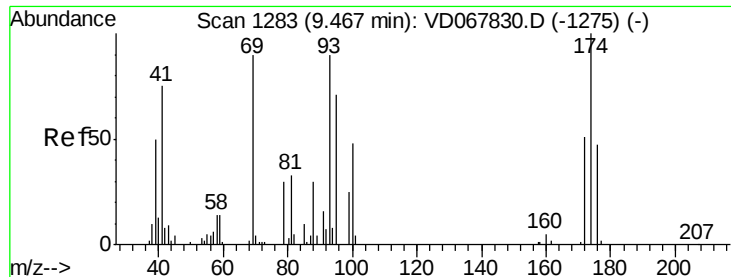
MMDadoda
12/2/2020 12:23:56 PM



#48
Methyl methacrylate
Concen: 9.567 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion:	41	Resp:	7502
Ion Ratio	Lower	Upper	
41	100		
69	109.4	87.6	131.4
39	80.9	61.2	91.8





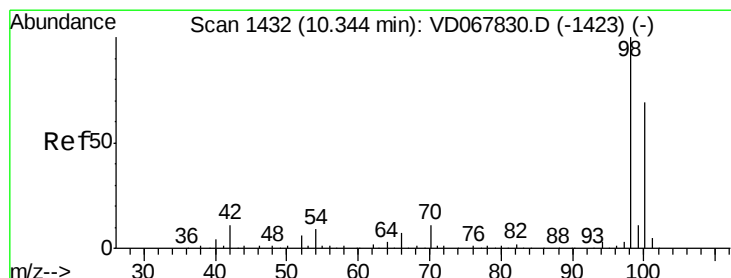
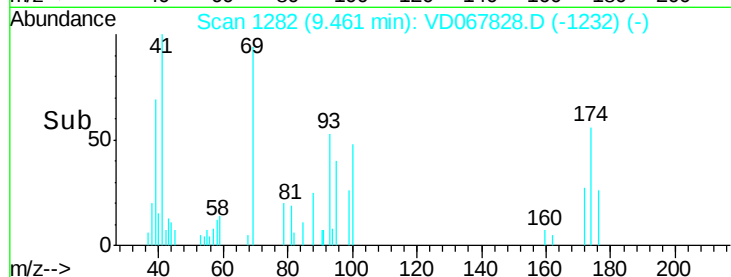
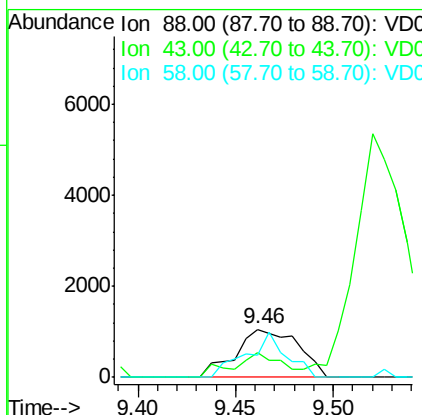
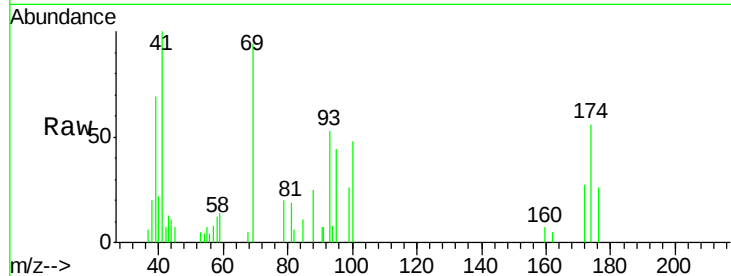
#49
1,4-Dioxane
Concen: 180.015 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.8	30.1	45.1
58	59.1	42.4	63.6

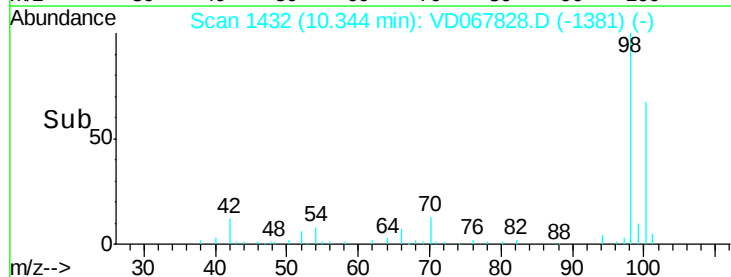
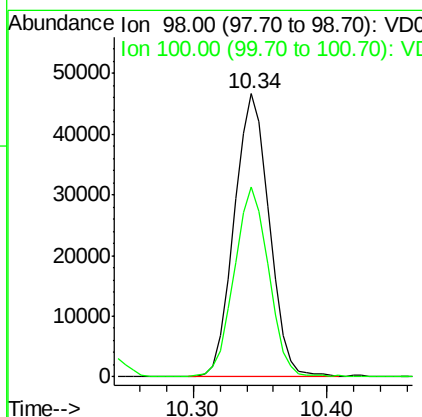
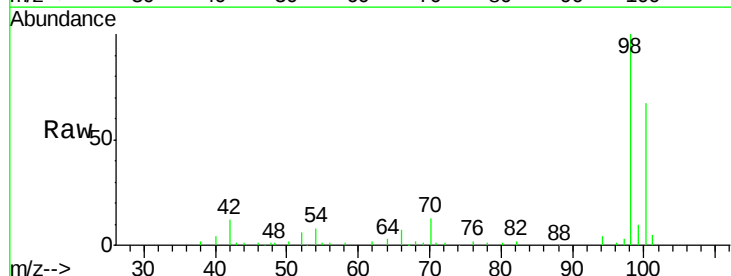
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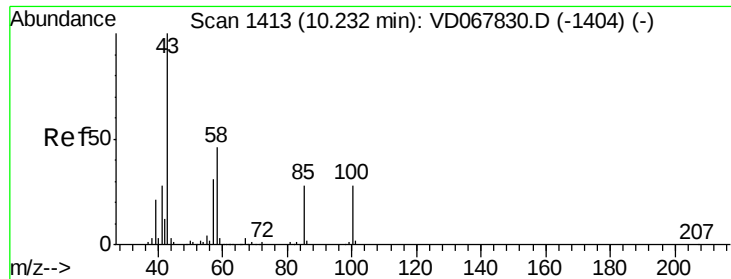
MMDadoda
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#50
Toluene-d8
Concen: 10.463 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.9	79.3





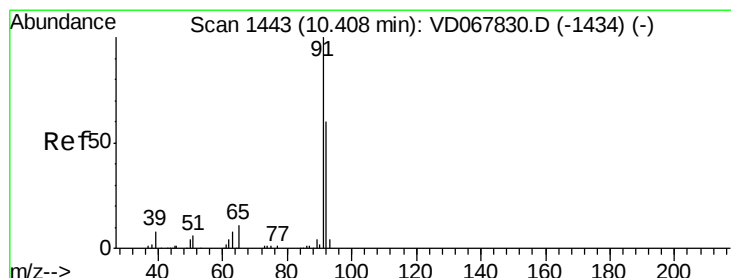
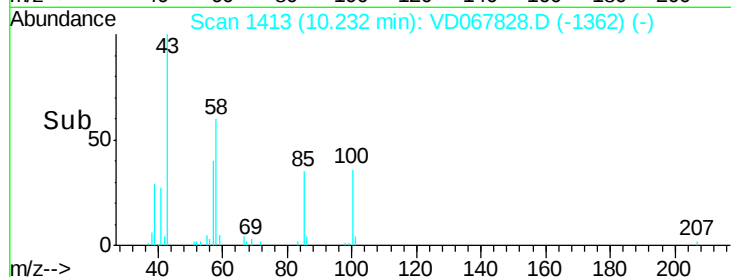
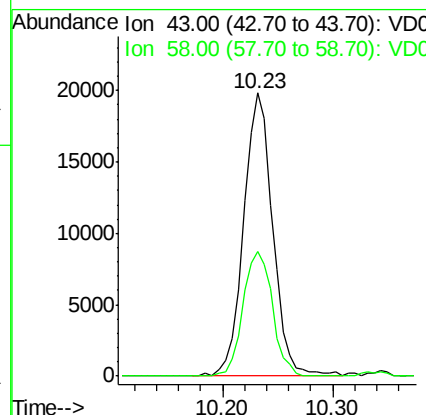
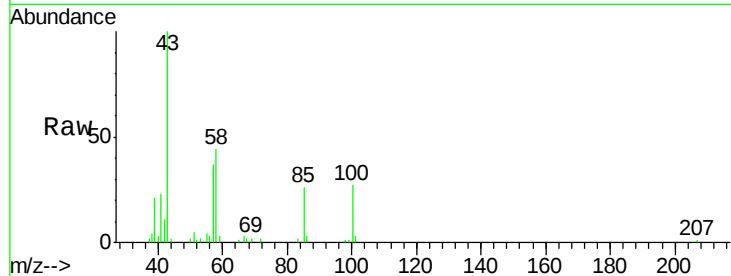
#51
4-Methyl-2-Pentanone
Concen: 50.156 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 36660
Ion Ratio Lower Upper
43 100
58 44.5 35.7 53.5

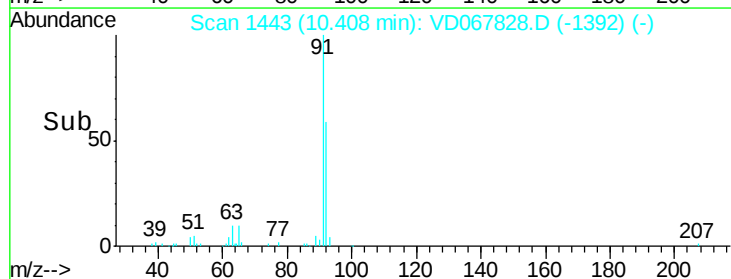
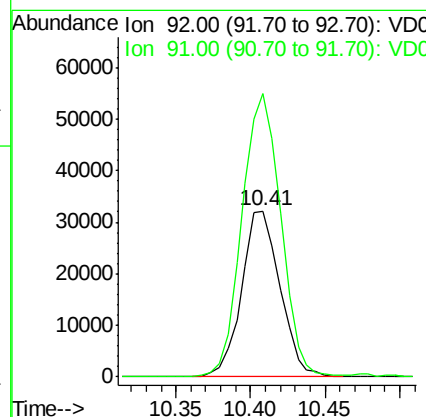
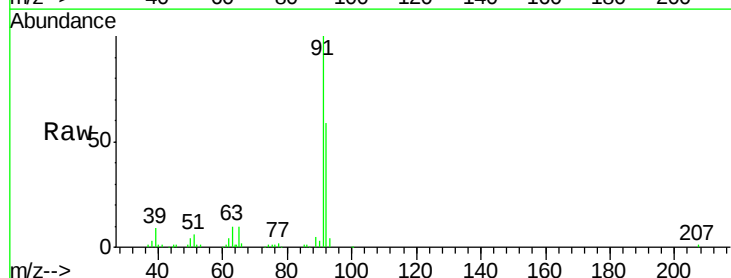
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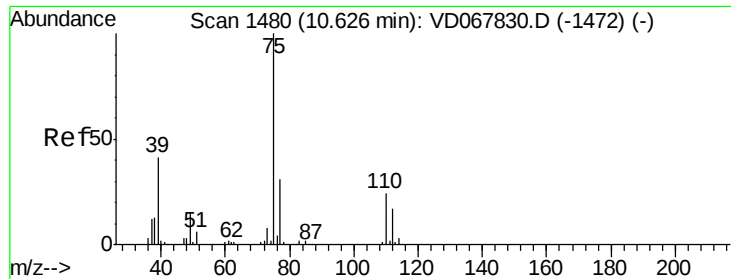
MMDadoda
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#52
Toluene
Concen: 10.316 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion: 92 Resp: 57474
Ion Ratio Lower Upper
92 100
91 172.4 134.2 201.2





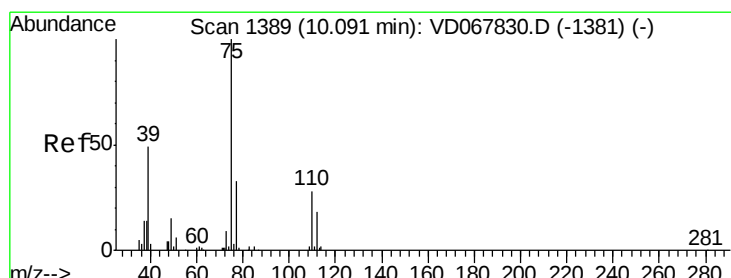
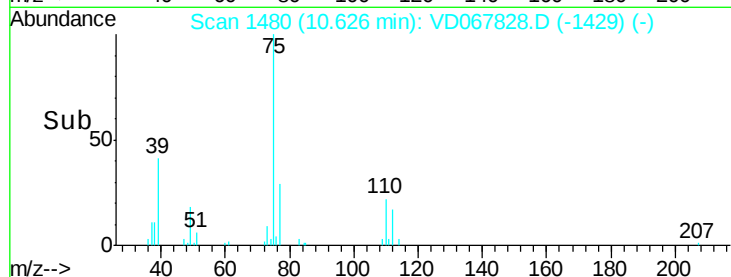
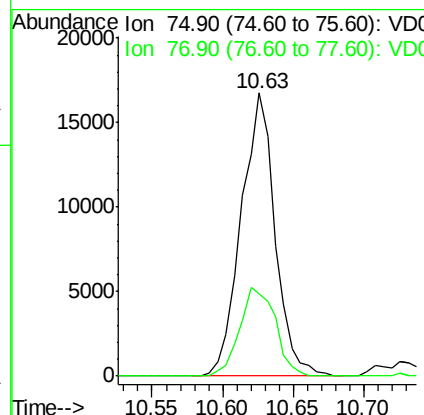
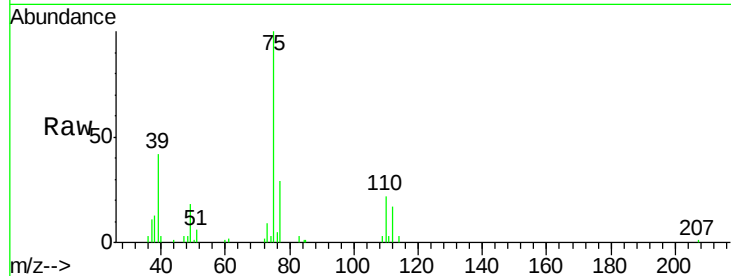
#53
t-1,3-Dichloropropene
Concen: 10.061 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.2	25.0	37.4

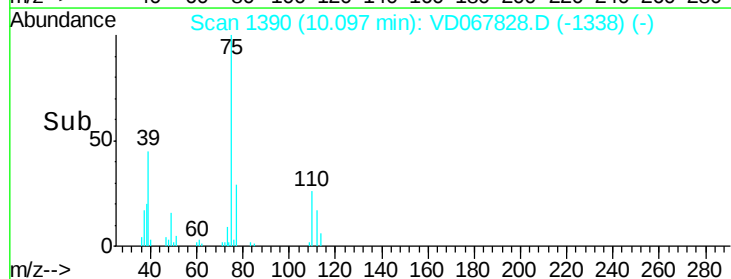
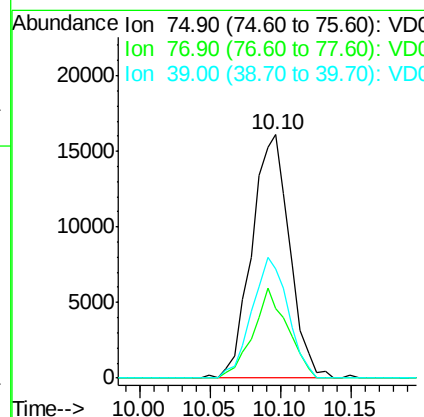
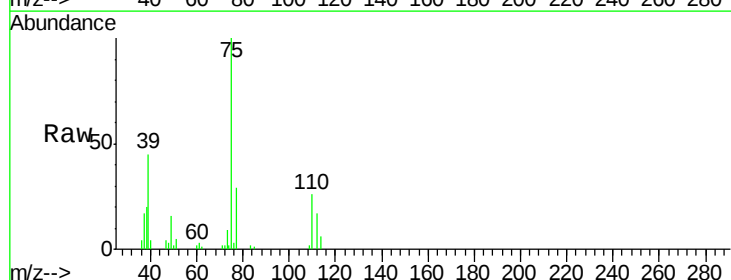
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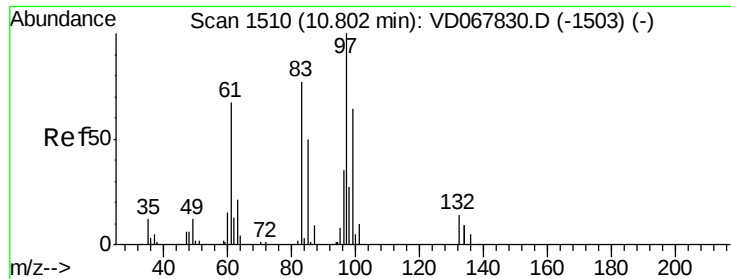
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#54
cis-1,3-Dichloropropene
Concen: 9.918 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.6	26.2	39.2
39	45.1	39.0	58.4





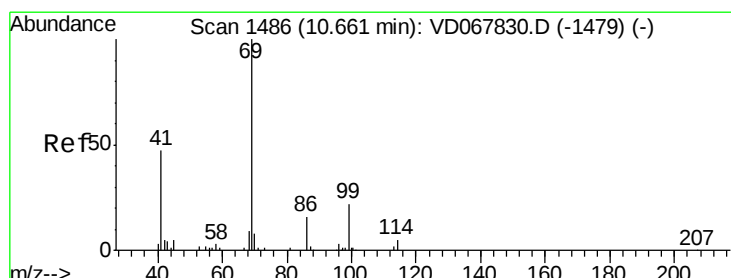
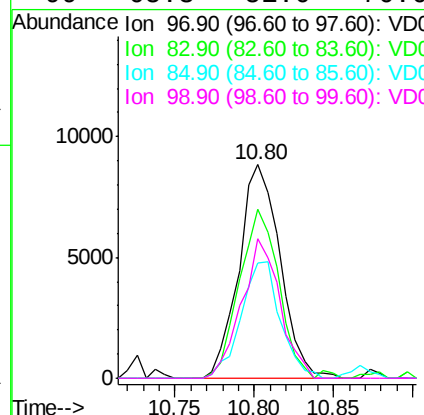
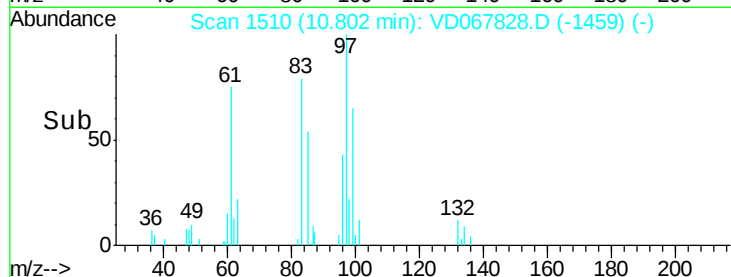
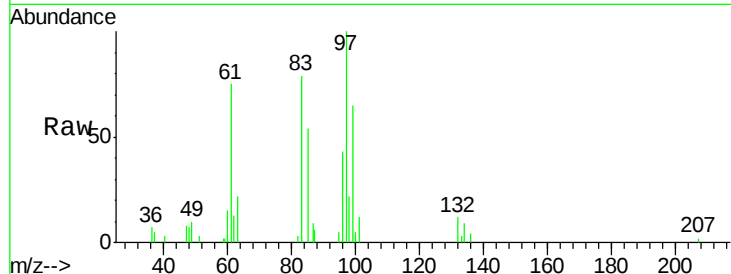
#55
 1,1,2-Trichloroethane
 Concen: 10.285 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067828.D
 Acq: 01 Dec 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	16006
Ion	Ratio	Lower	Upper
97	100		
83	79.3	61.9	92.9
85	53.9	40.2	60.4
99	65.3	51.0	76.6

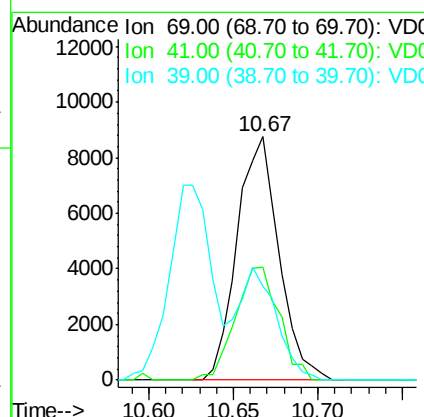
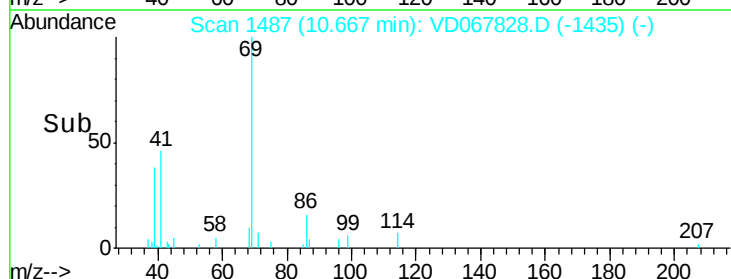
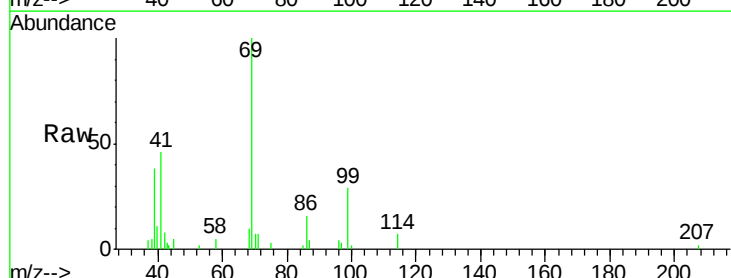
Manual Integrations
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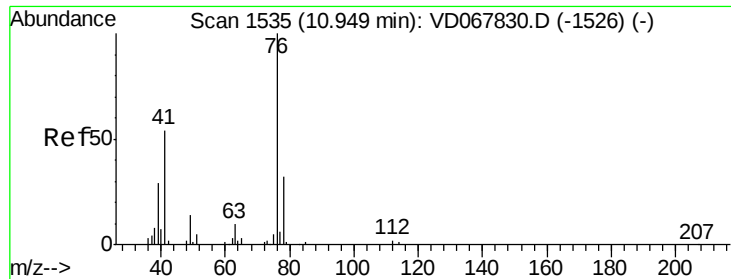
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#56
 Ethyl methacrylate
 Concen: 9.538 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067828.D
 Acq: 01 Dec 2020 11:01

Tgt Ion:	69	Resp:	15102
Ion	Ratio	Lower	Upper
69	100		
41	48.3	42.8	64.2
39	37.7	30.5	45.7





#57

1,3-Dichloropropane

Concen: 10.713 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 26407

Ion Ratio Lower Upper

76 100

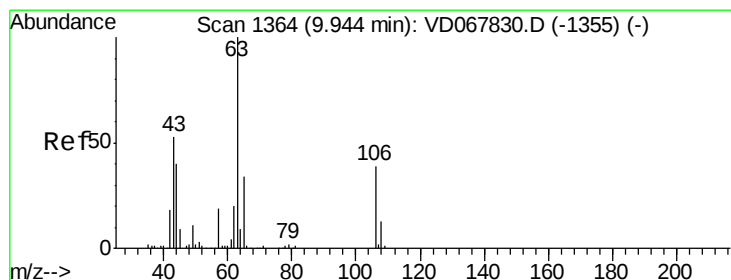
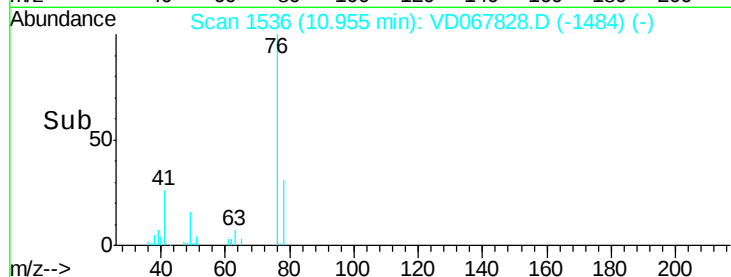
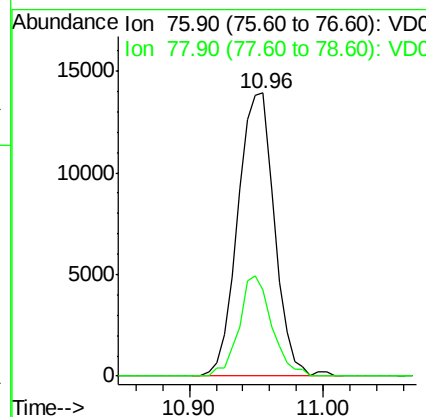
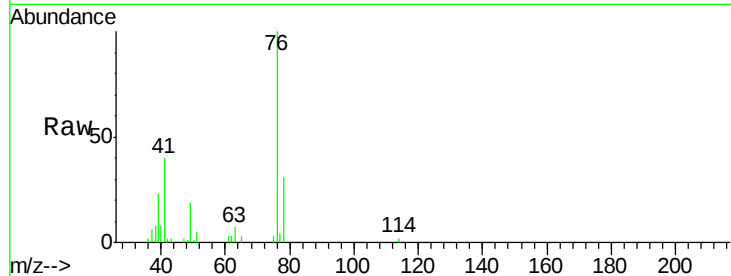
78 31.6 26.6 39.8

Manual Integrations

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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 42.653 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067828.D

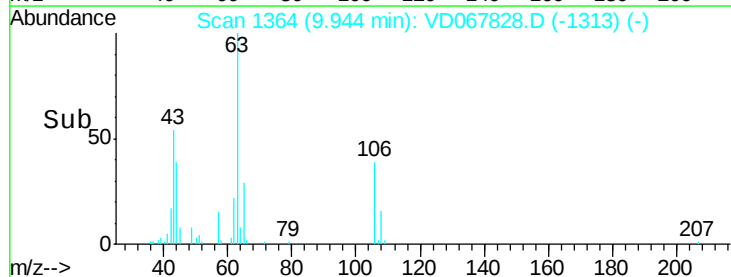
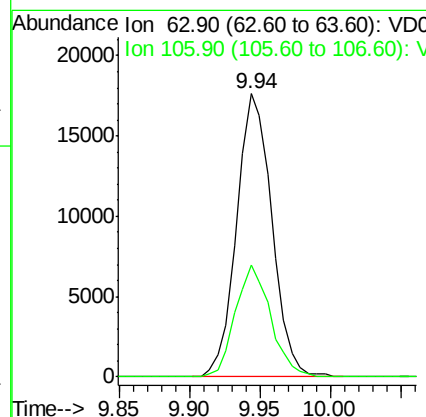
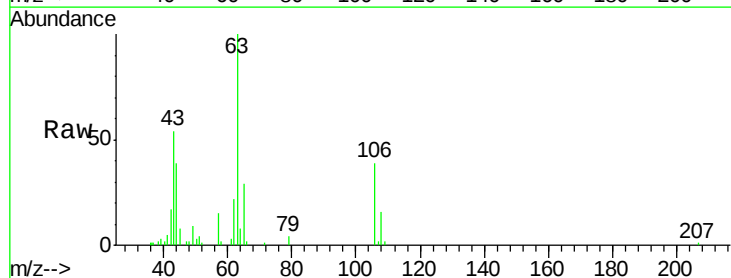
Acq: 01 Dec 2020 11:01

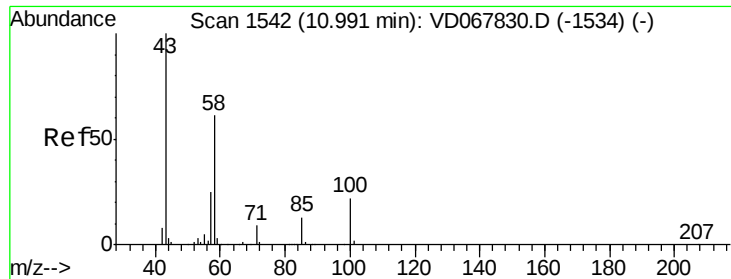
Tgt Ion: 63 Resp: 30730

Ion Ratio Lower Upper

63 100

106 39.5 32.0 48.0





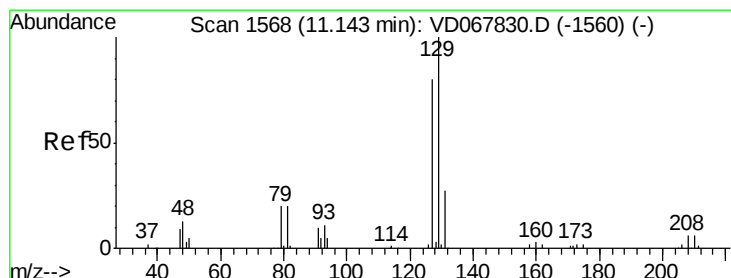
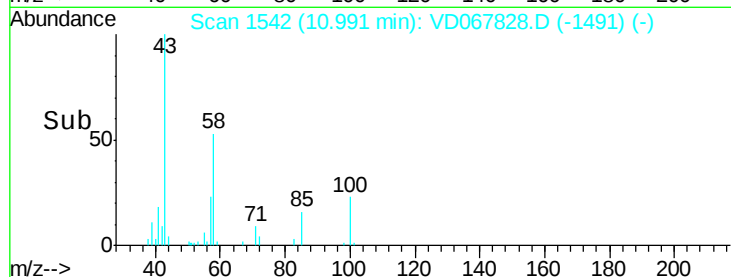
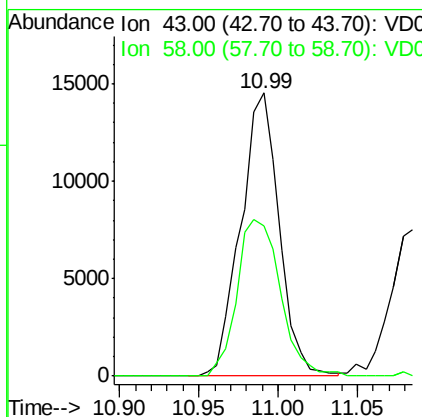
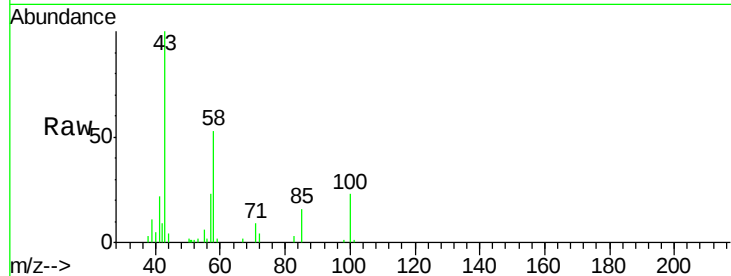
#59
2-Hexanone
Concen: 47.516 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 24483
Ion Ratio Lower Upper
43 100
58 62.4 29.9 89.7

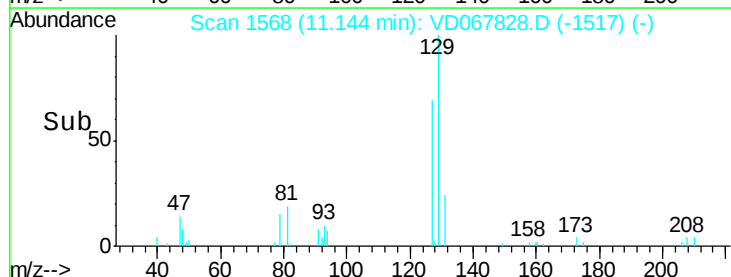
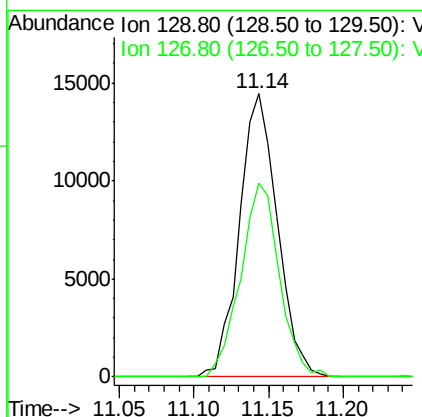
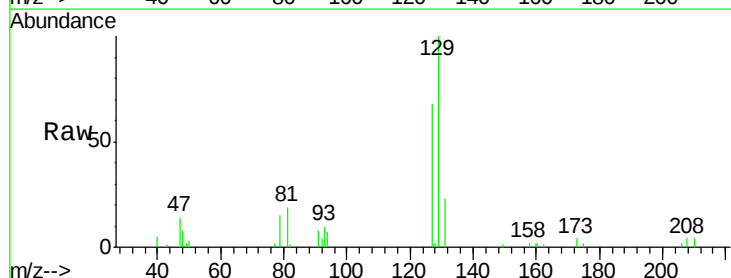
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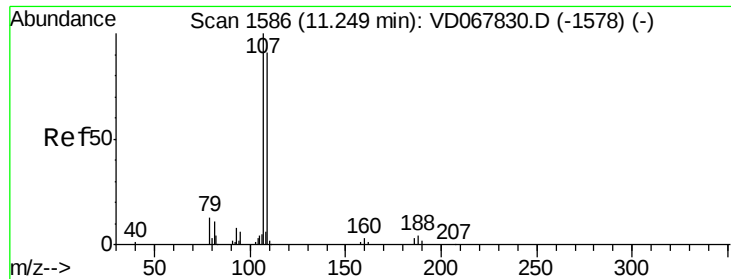
MMDadoda
12/2/2020 12:23:56 PM



#60
Dibromochloromethane
Concen: 10.816 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion: 129 Resp: 25373
Ion Ratio Lower Upper
129 100
127 70.1 39.2 117.6





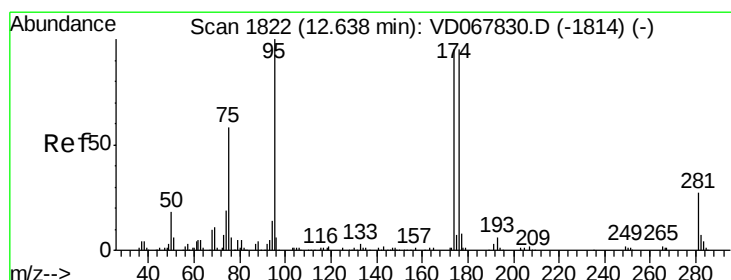
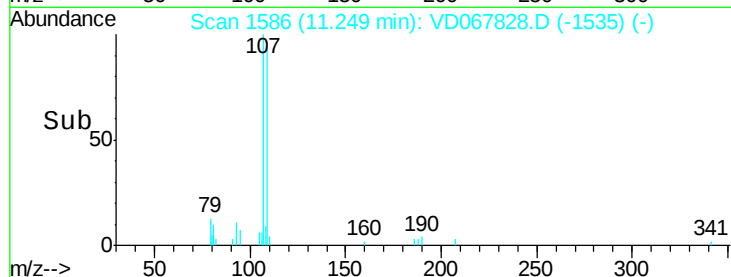
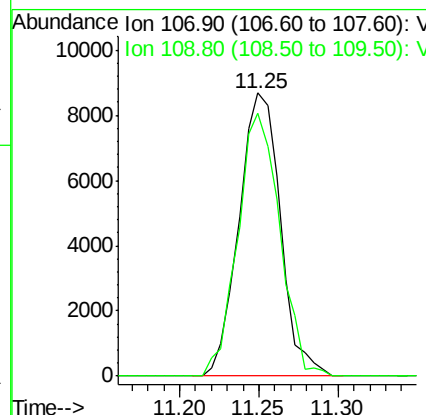
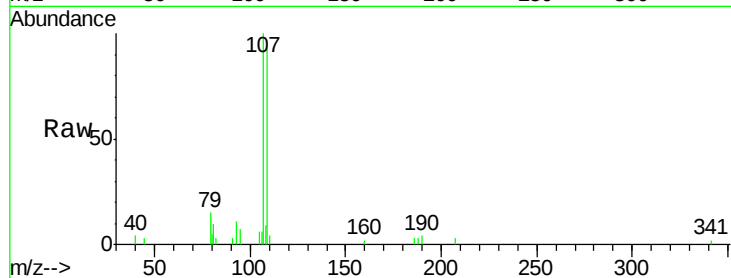
#61
 1,2-Dibromoethane
 Concen: 10.311 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067828.D
 Acq: 01 Dec 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.9	113.9

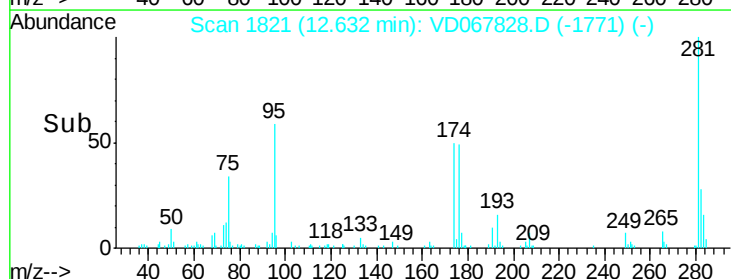
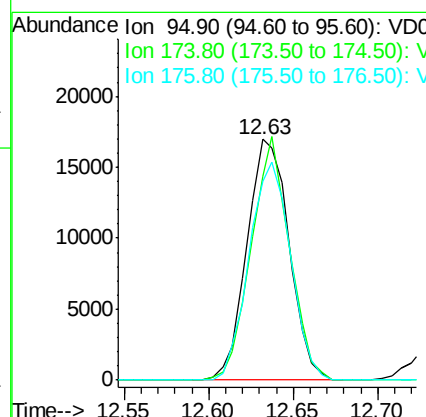
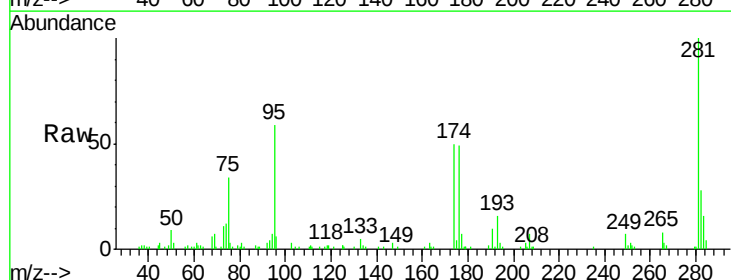
Manual Integrations
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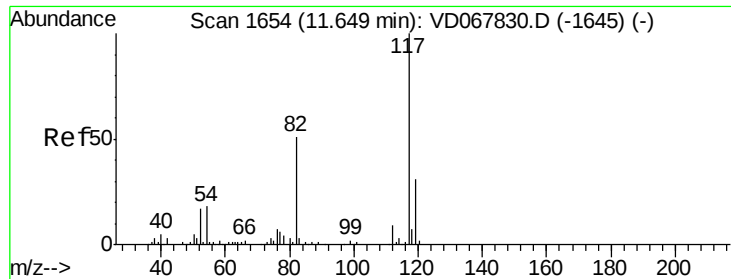
MMDadoda
 12/2/2020 12:23:56 PM



#62
 4-Bromofluorobenzene
 Concen: 10.509 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD067828.D
 Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.8	0.0	186.0
176	89.2	0.0	184.2





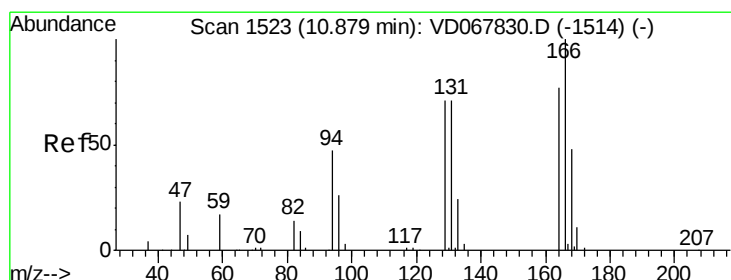
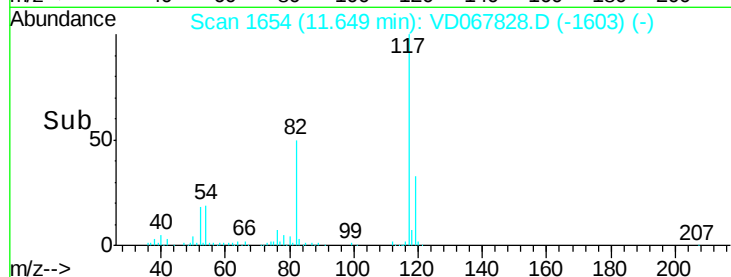
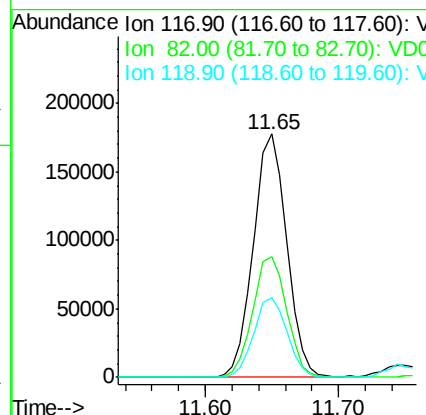
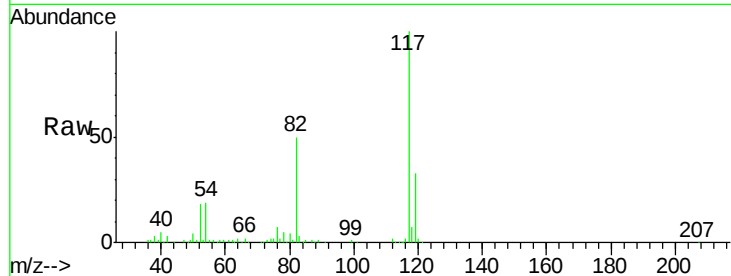
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	307118		
82	49.6		40.6	60.8
119	32.8		25.1	37.7

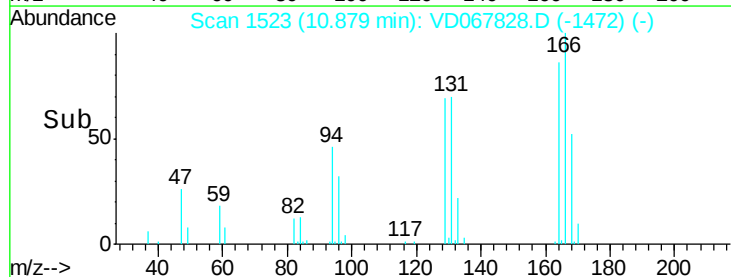
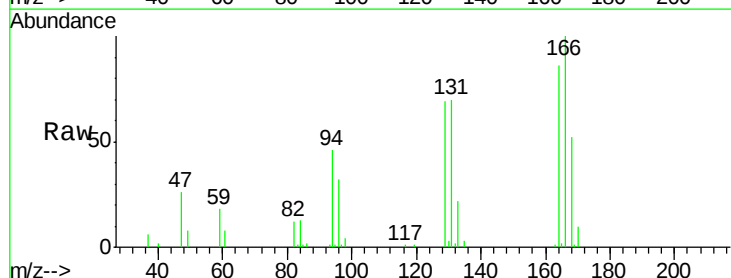
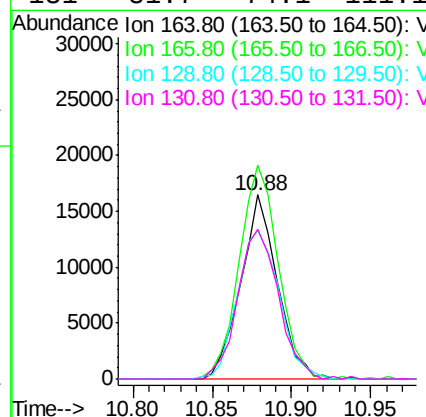
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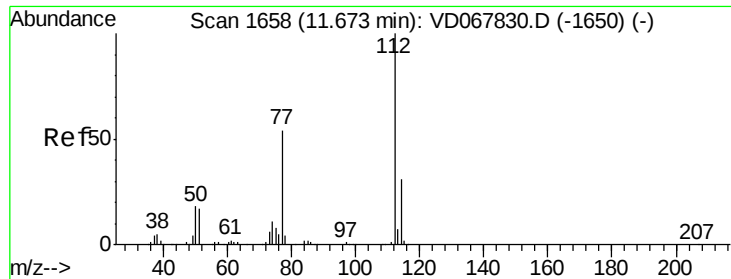
MMDadoda
12/2/2020 12:23:56 PM



#64
Tetrachloroethene
Concen: 10.523 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26361		
166	116.1		103.8	155.6
129	80.5		73.3	109.9
131	81.7		74.1	111.1





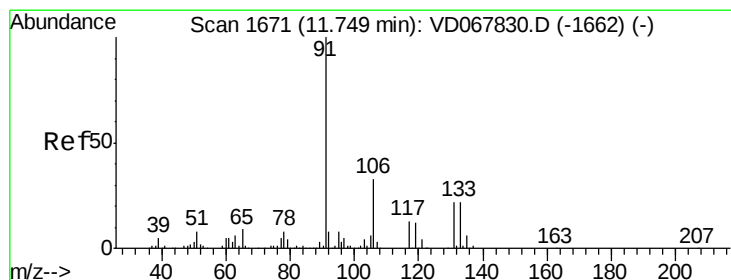
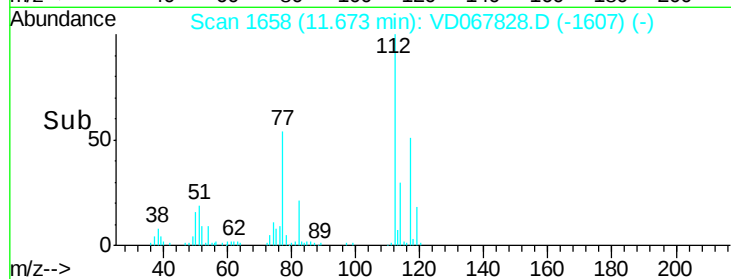
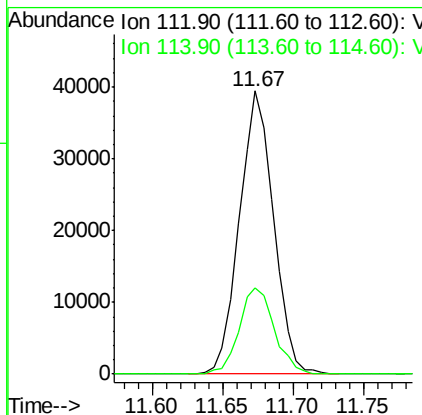
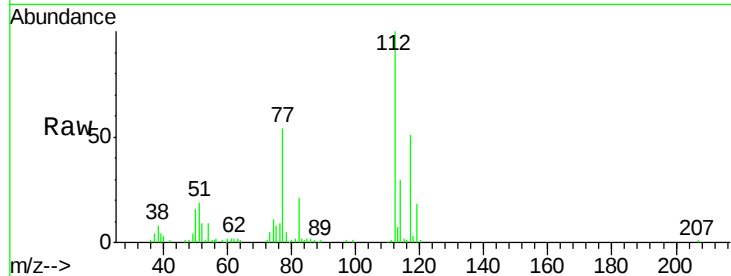
#65
Chlorobenzene
Concen: 10.539 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 66783
Ion Ratio Lower Upper
112 100
114 30.3 25.0 37.4

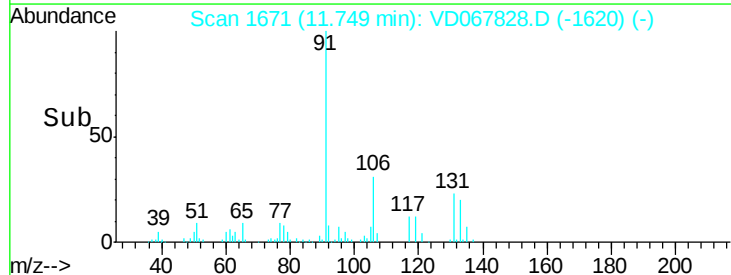
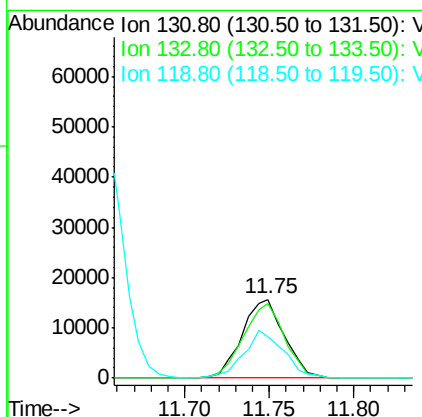
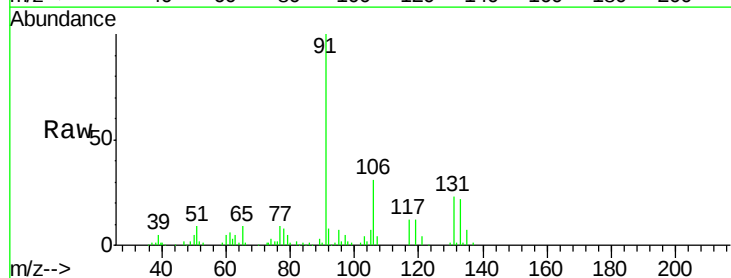
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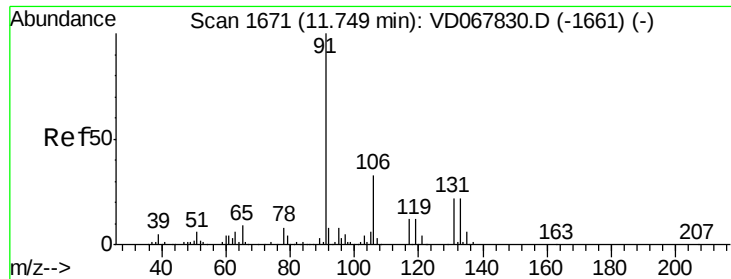
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.568 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion:131 Resp: 27314
Ion Ratio Lower Upper
131 100
133 92.5 49.9 149.7
119 56.6 29.6 88.9





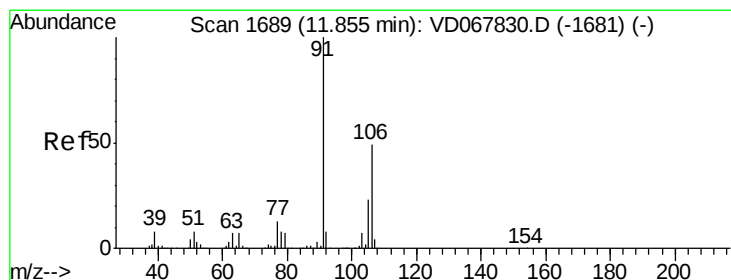
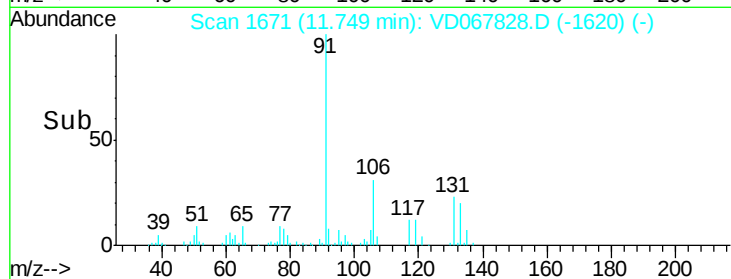
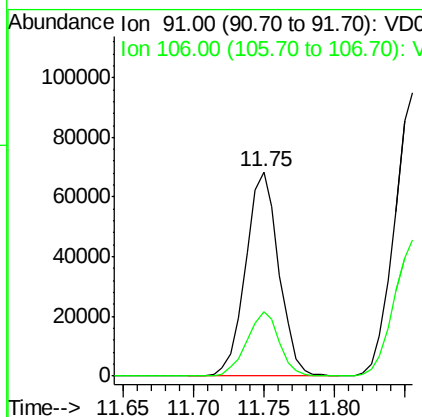
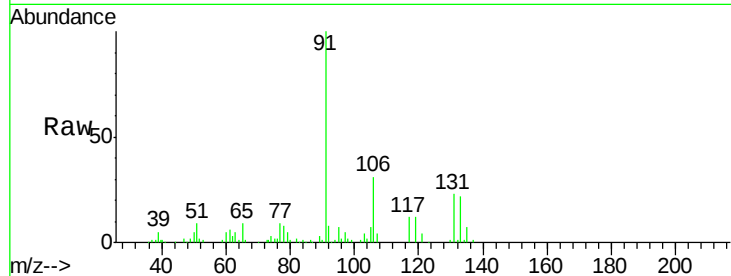
#67
Ethyl Benzene
Concen: 10.434 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 112640
Ion Ratio Lower Upper
91 100
106 31.4 26.2 39.2

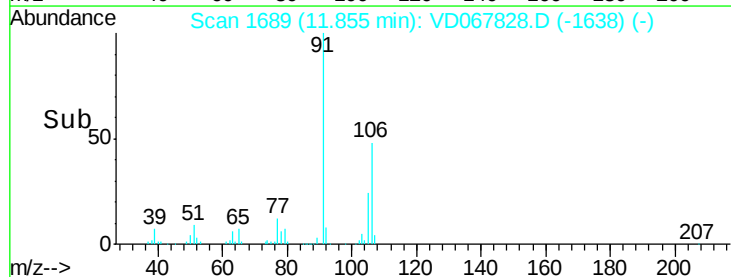
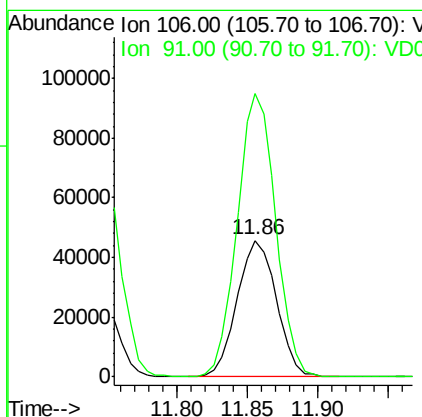
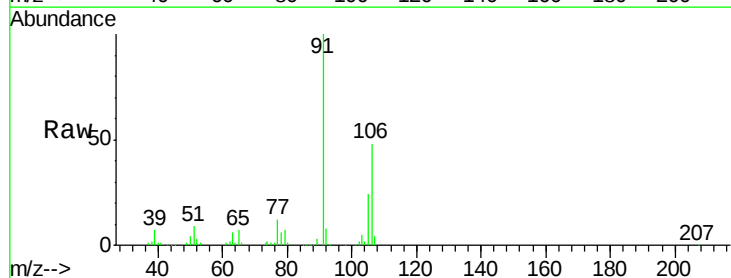
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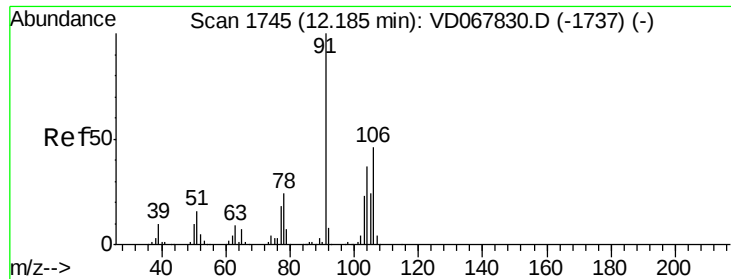
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#68
m/p-Xylenes
Concen: 21.014 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion: 106 Resp: 89450
Ion Ratio Lower Upper
106 100
91 202.0 162.8 244.2





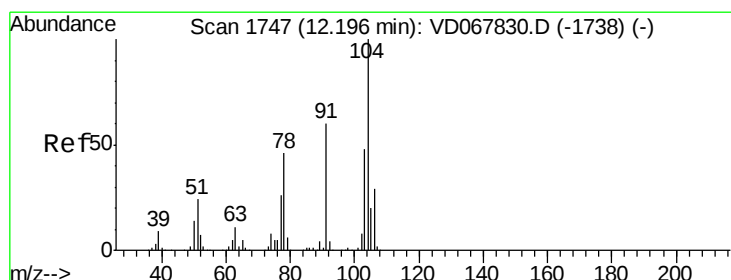
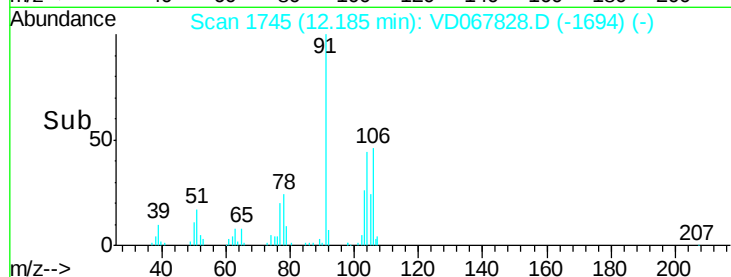
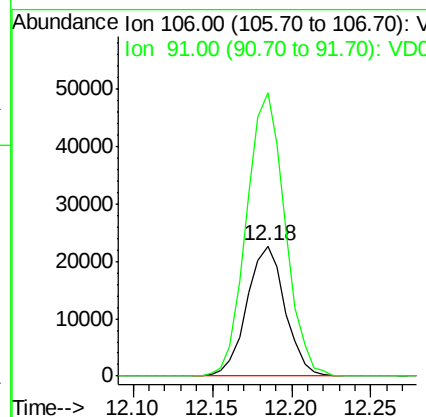
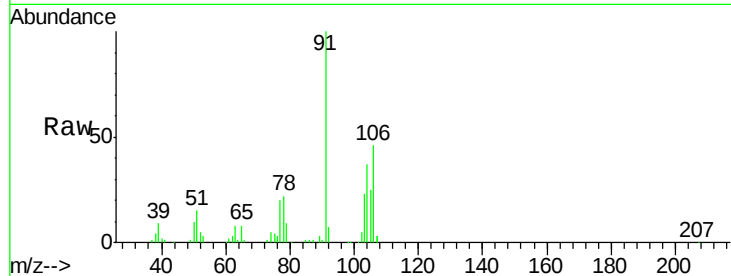
#69
o-Xylene
Concen: 10.054 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	219.0	107.5	322.5	

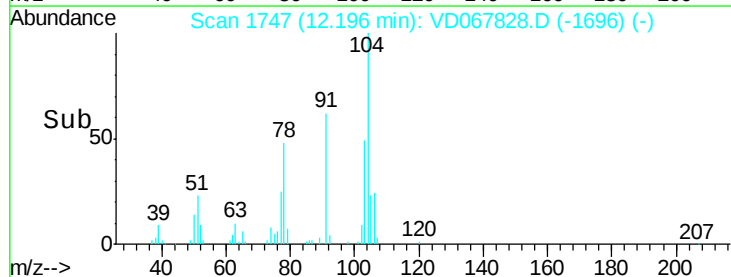
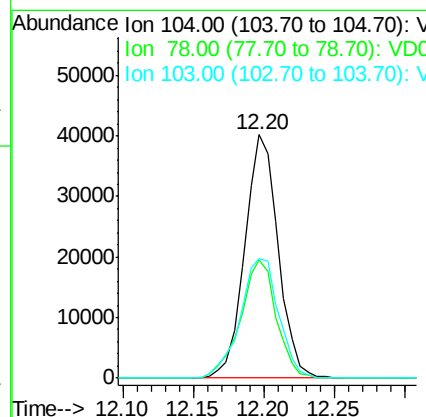
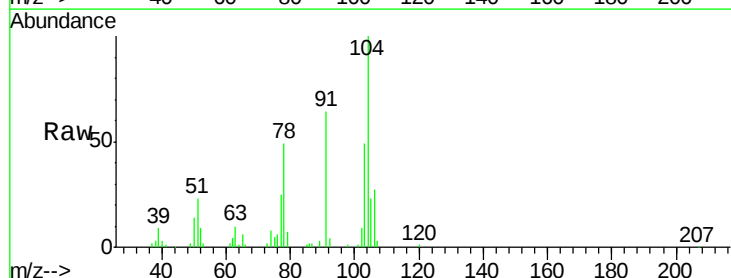
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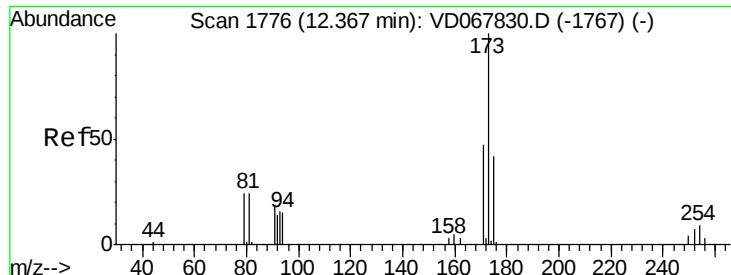
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#70
Styrene
Concen: 10.106 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.0	41.6	62.4	
103	56.7	43.2	64.8	





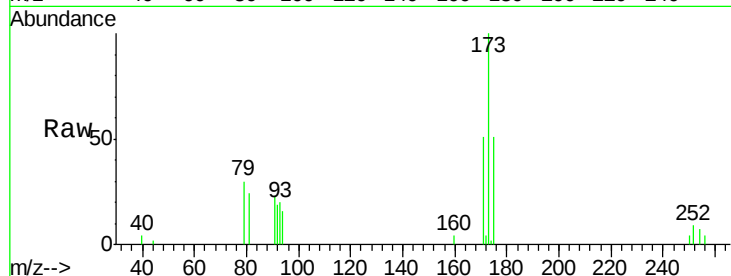
#71
Bromoform
Concen: 9.929 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

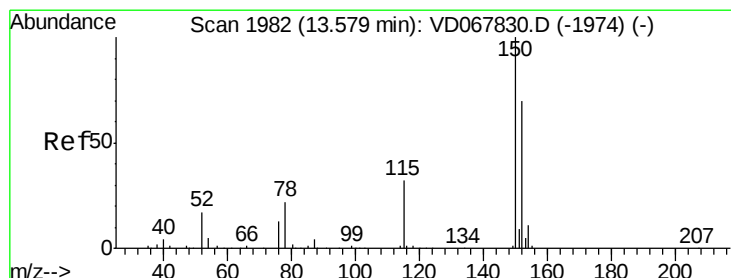
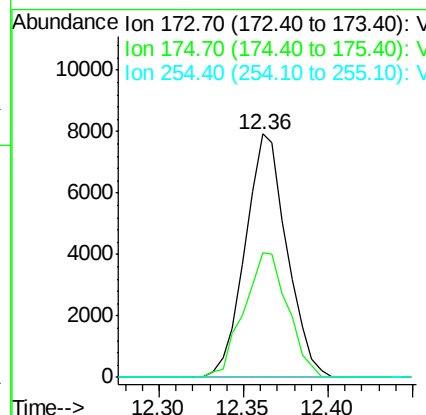
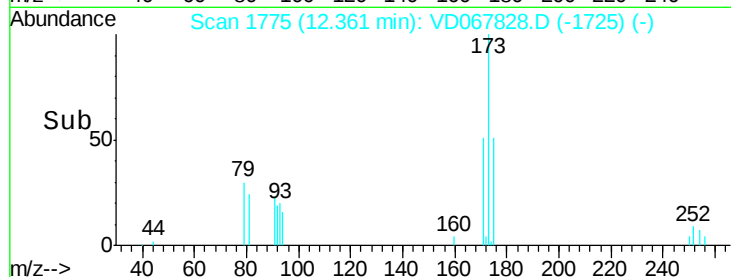
Tot Ion	Ratio	Lower	Upper
173	100		
175	54.0	23.4	70.3
254	0.0	0.1	0.1#

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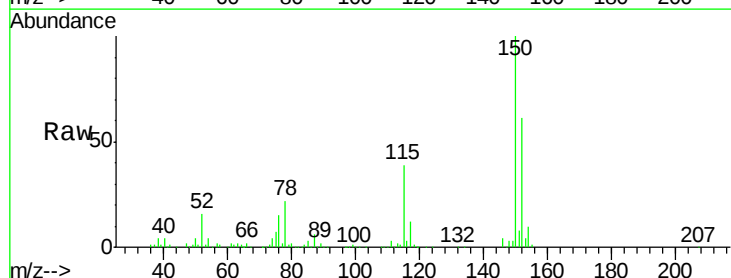


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

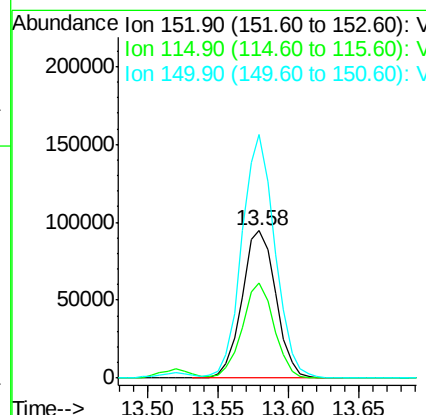
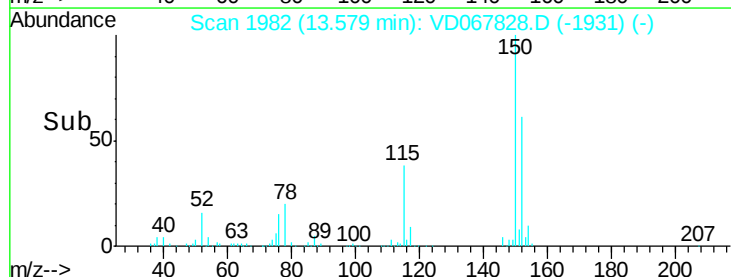


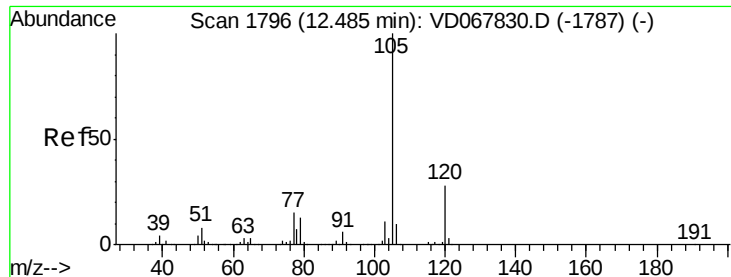
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	29.1	87.4
150	161.9	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: 10.131 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 110557

Ion Ratio Lower Upper

105 100

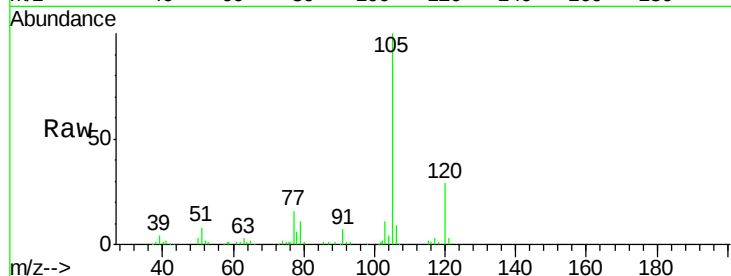
120 29.0 13.9 41.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

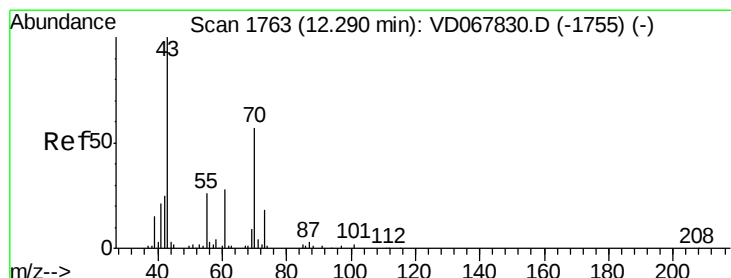
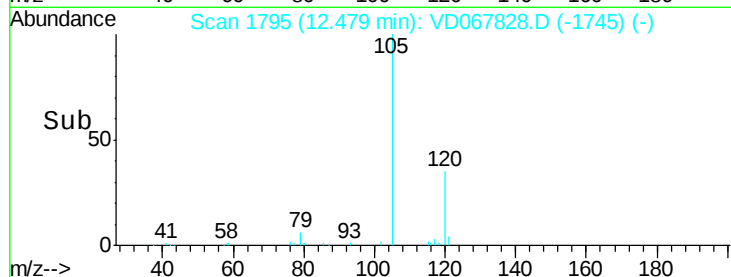
60000

40000

20000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 9.425 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Tgt Ion: 43 Resp: 12722

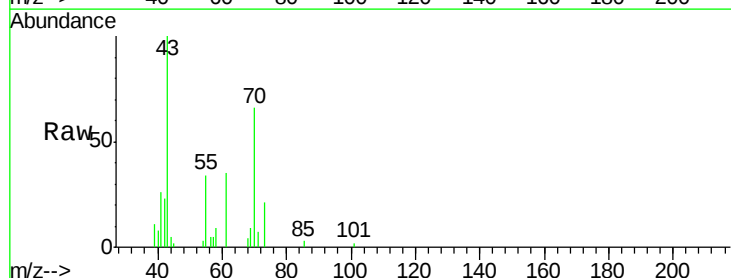
Ion Ratio Lower Upper

43 100

70 55.9 44.6 66.8

55 35.1 22.2 33.2#

61 30.1 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

12.29

12000

10000

8000

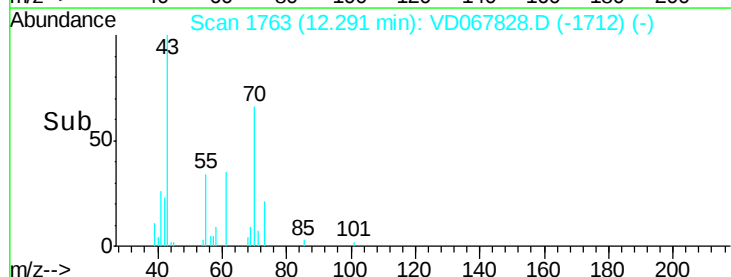
6000

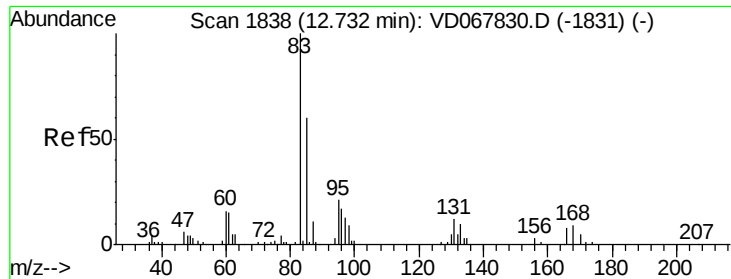
4000

2000

0

Time--> 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 10.349 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

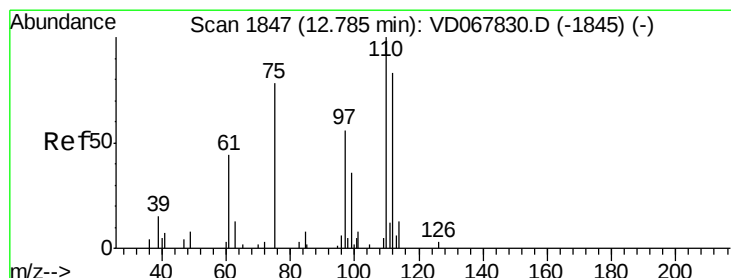
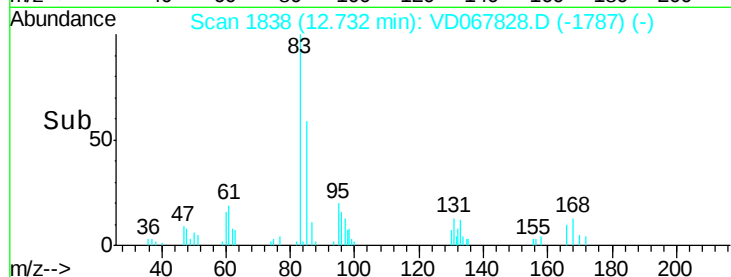
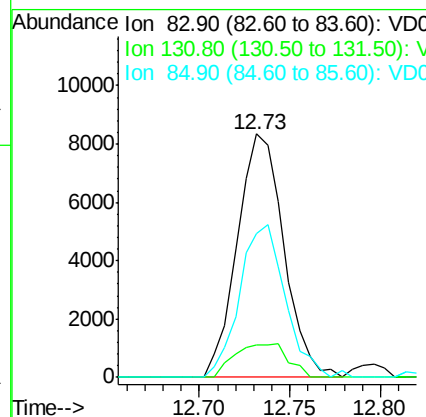
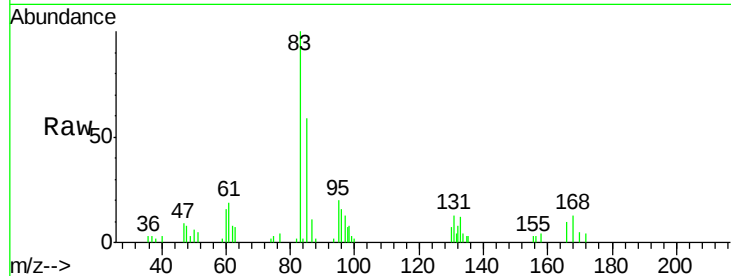
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	14910
Ion Ratio	Lower	Upper	
83	100		
131	15.6	8.0	24.0
85	61.7	31.7	95.1

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#76

1,2,3-Trichloropropane

Concen: 9.859 ug/l m

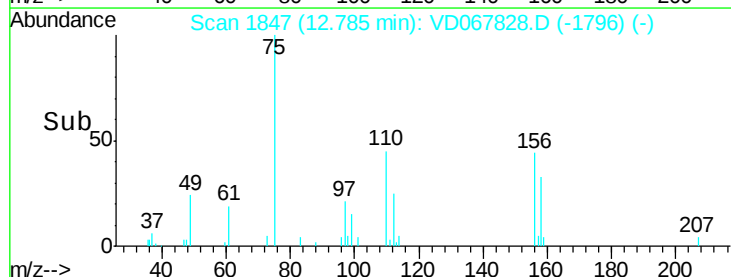
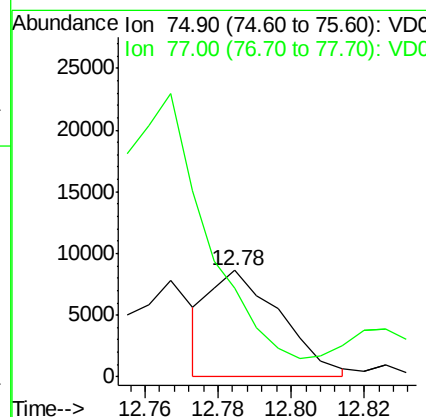
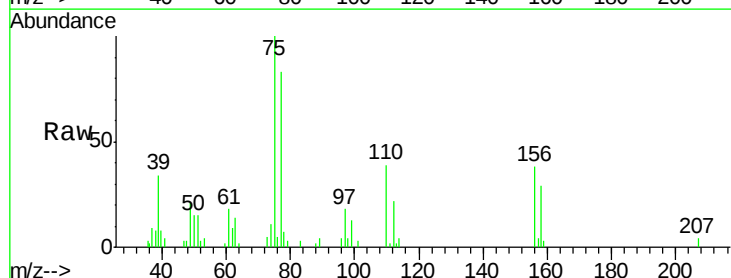
RT: 12.78 min Scan# 1847

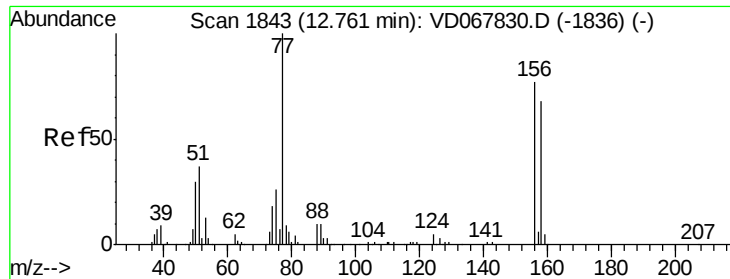
Delta R.T. 0.00 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Tgt Ion:	75	Resp:	11634
Ion Ratio	Lower	Upper	
75	100		
77	361.5	175.9	527.7





#77

Bromobenzene

Concen: 10.306 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 27959

Ion Ratio Lower Upper

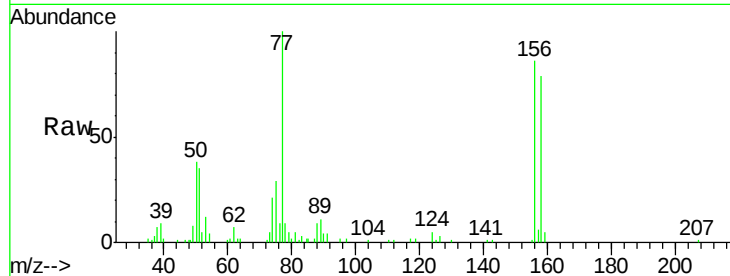
156 100

77 150.4 71.5 214.5

158 100.5 47.1 141.4

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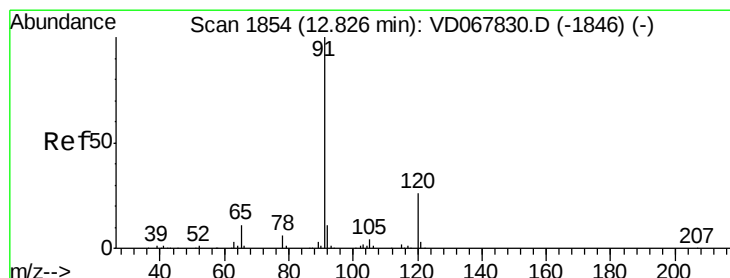
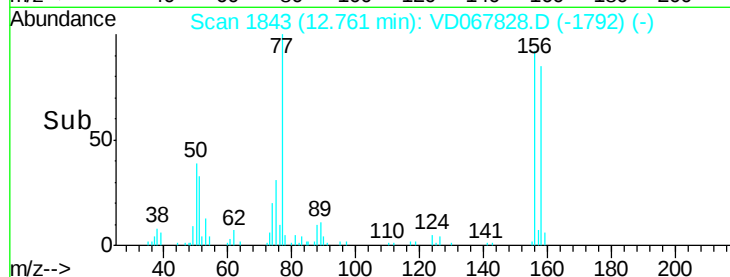
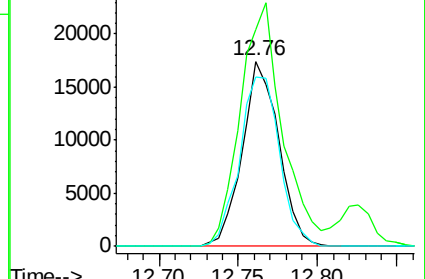
MMDadoda
12/2/2020 12:23:56 PM



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: 10.299 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067828.D

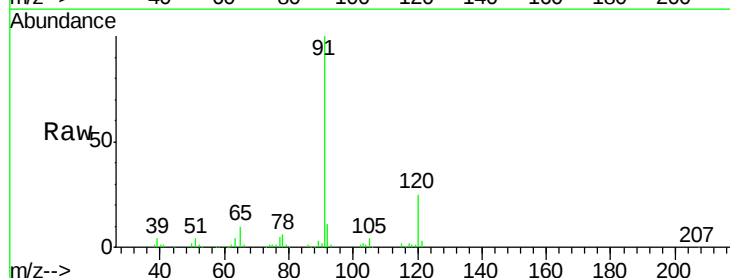
Acq: 01 Dec 2020 11:01

Tgt Ion: 91 Resp: 124567

Ion Ratio Lower Upper

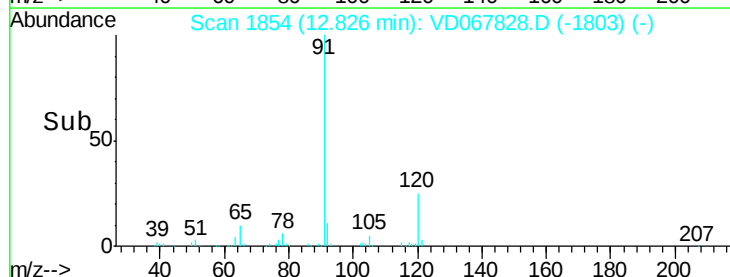
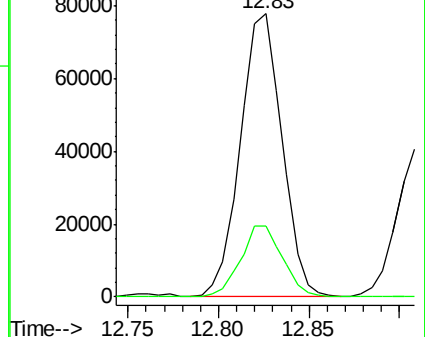
91 100

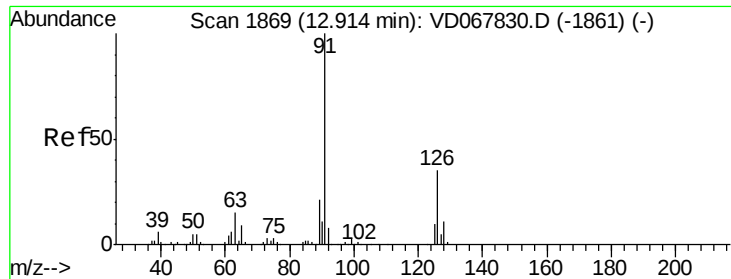
120 25.2 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





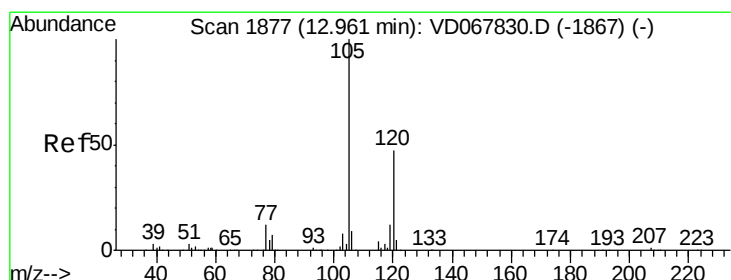
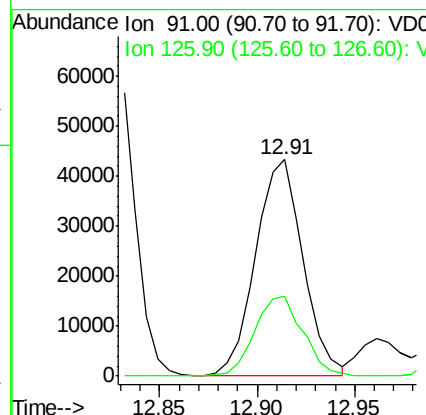
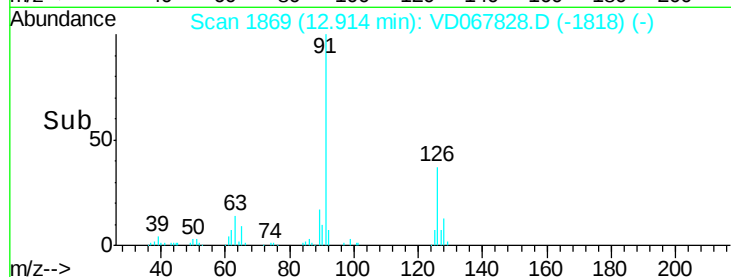
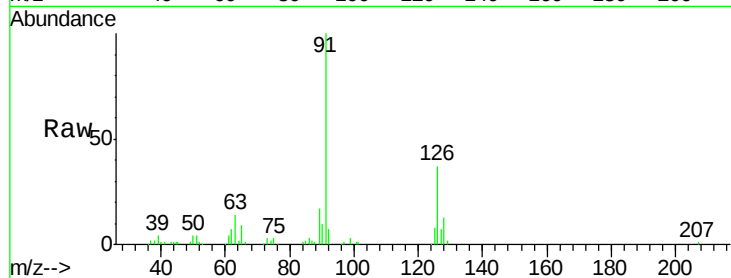
#79
2-Chlorotoluene
Concen: 10.295 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 73253
Ion Ratio Lower Upper
91 100
126 37.4 17.9 53.7

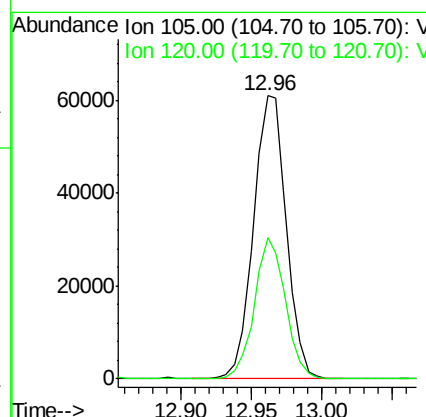
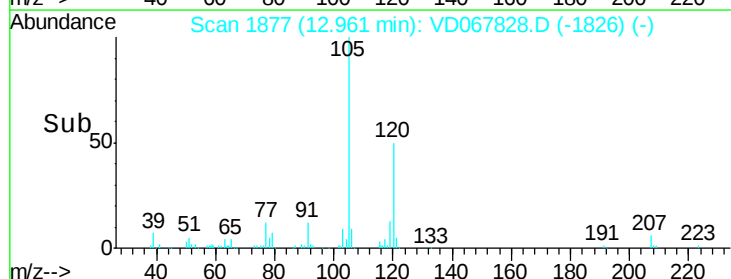
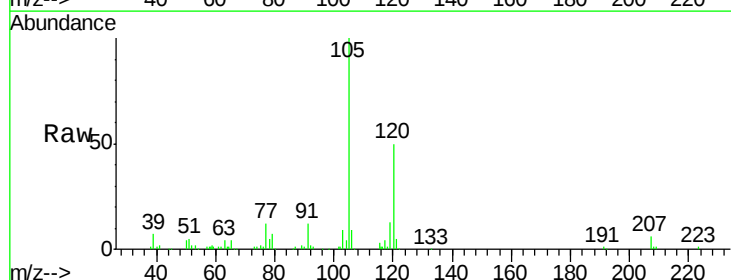
Manual Integrations
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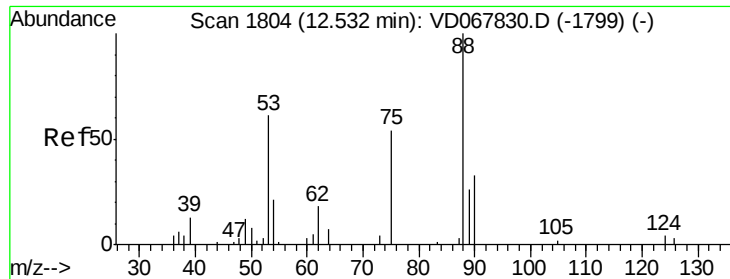
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 10.505 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion: 105 Resp: 99248
Ion Ratio Lower Upper
105 100
120 47.1 24.3 72.9





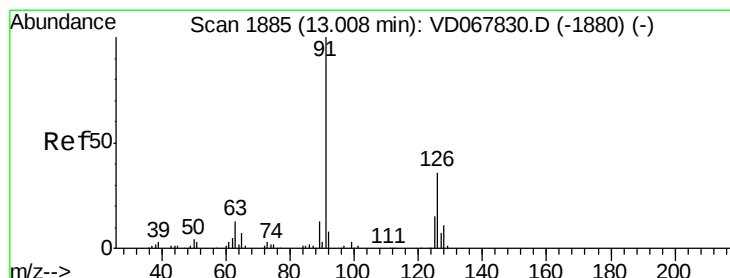
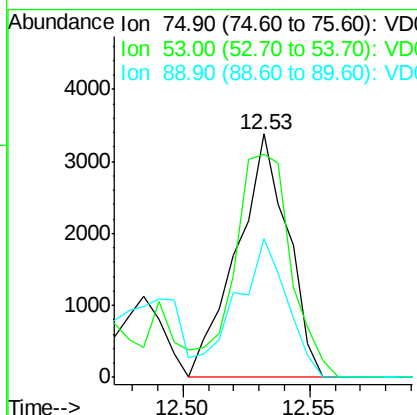
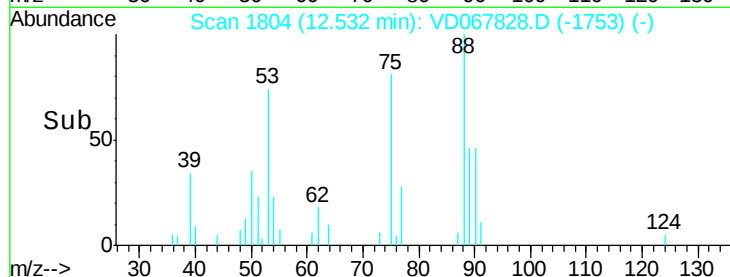
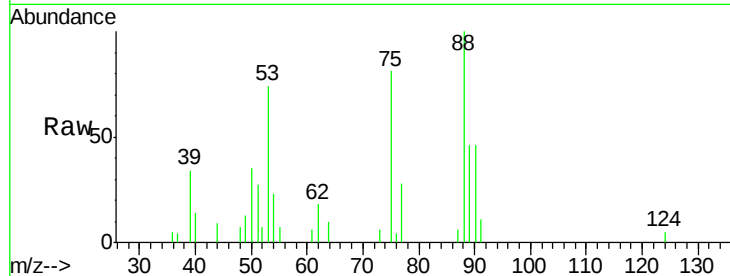
#81
trans-1,4-Dichloro-2-butene
Concen: 9.841 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.1	84.6	127.0
89	54.5	41.0	61.6

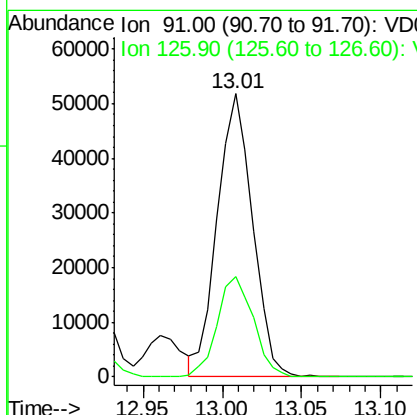
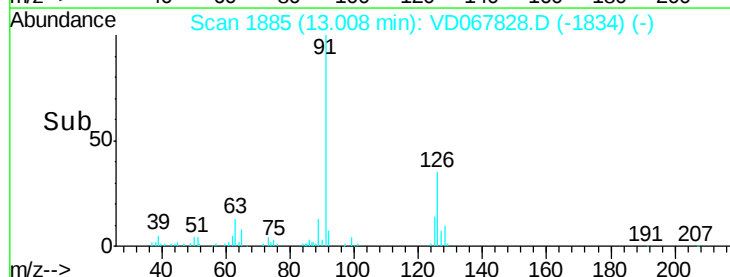
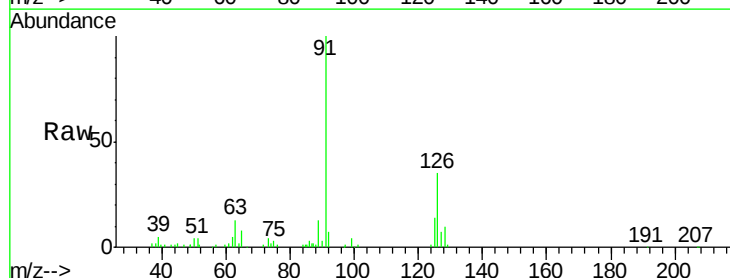
Manual Integrations
APPROVED

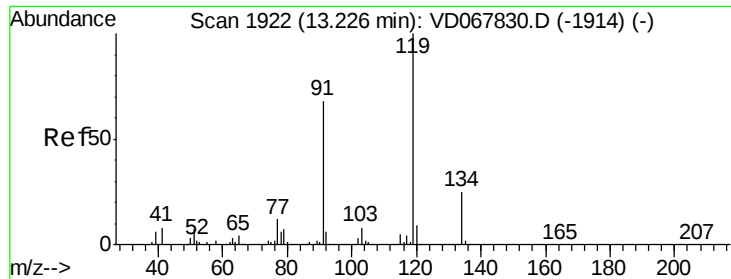
MMDadoda
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#82
4-Chlorotoluene
Concen: 10.562 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.1	54.4





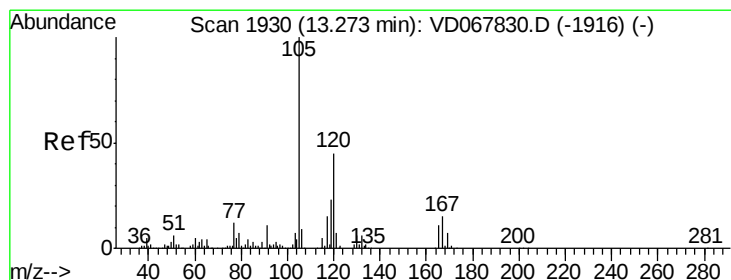
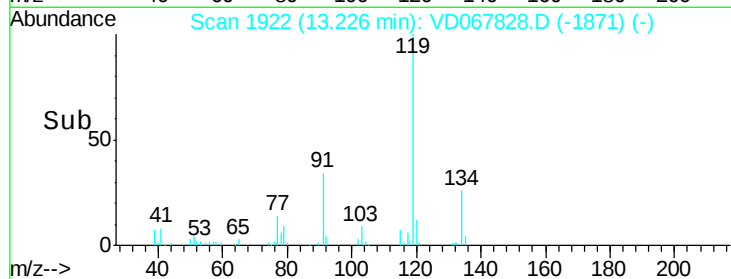
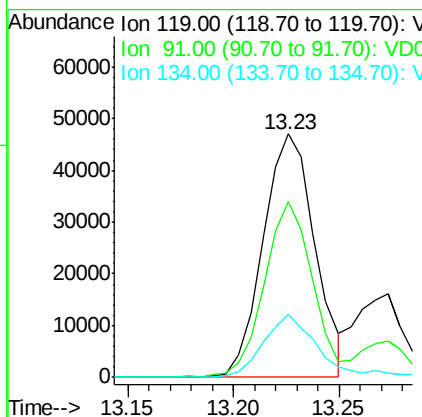
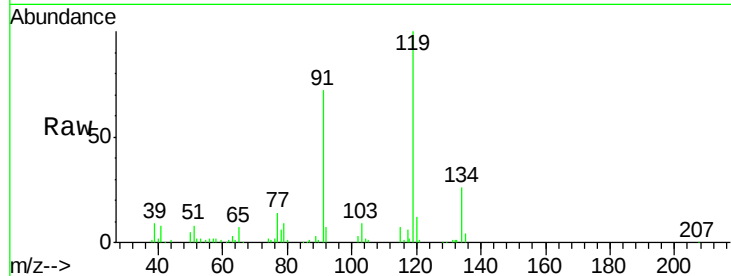
#83
tert-Butylbenzene
Concen: 9.958 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	33.1	99.3
134	27.2	13.6	40.8

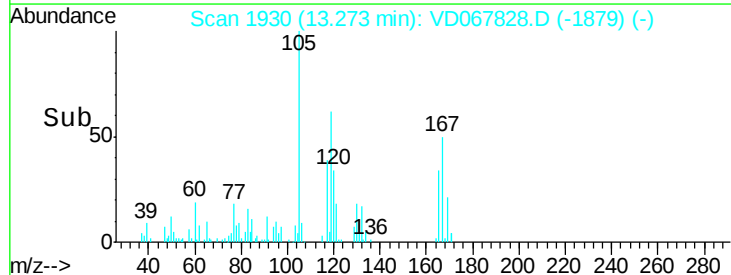
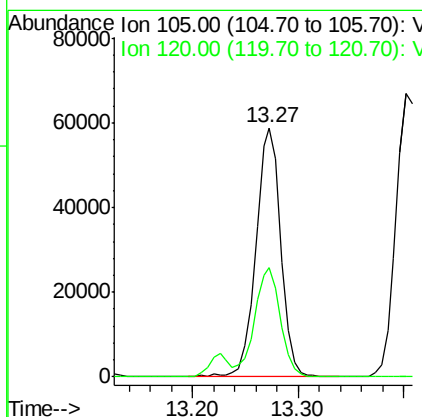
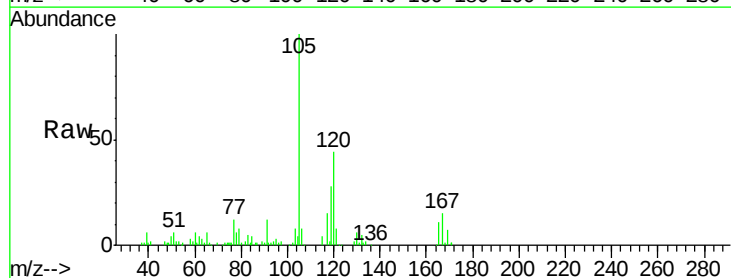
Manual Integrations
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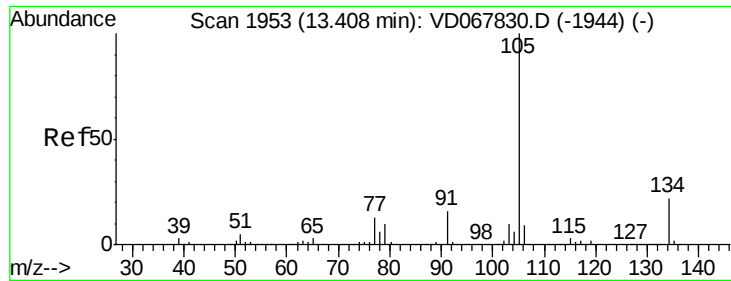
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#84
1,2,4-Trimethylbenzene
Concen: 10.253 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.1	66.5





#85

sec-Butylbenzene

Concen: 10.257 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 110060

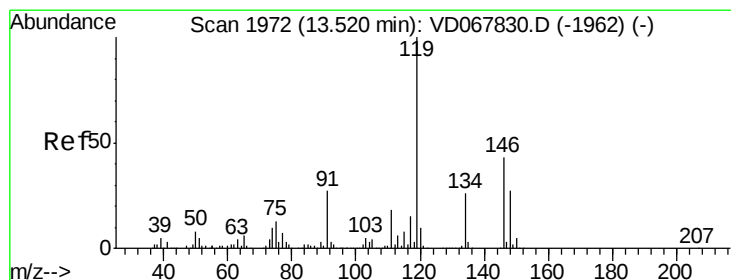
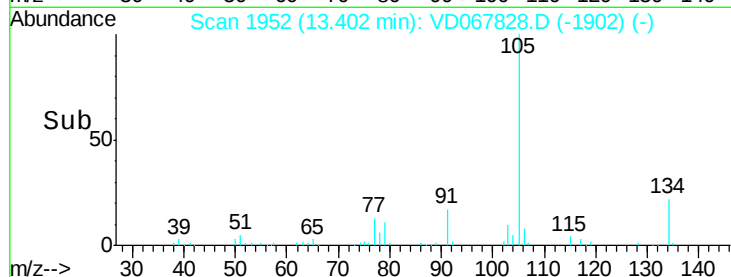
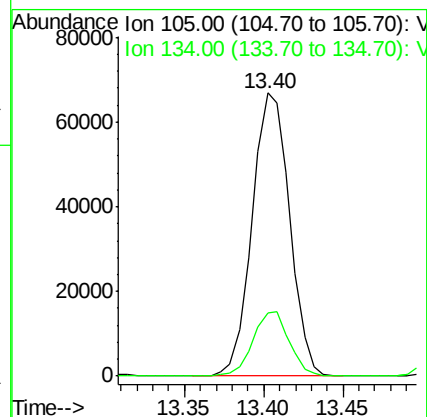
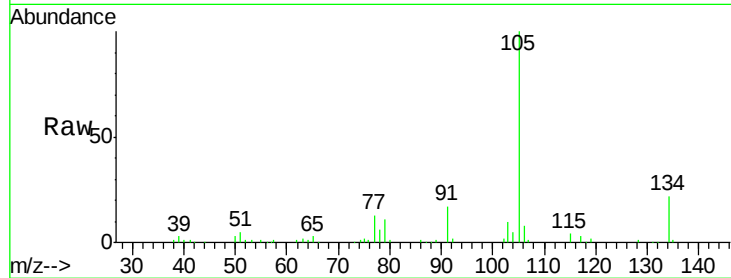
Ion Ratio Lower Upper

105 100

134 22.0 10.9 32.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 10.312 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067828.D

Acq: 01 Dec 2020 11:01

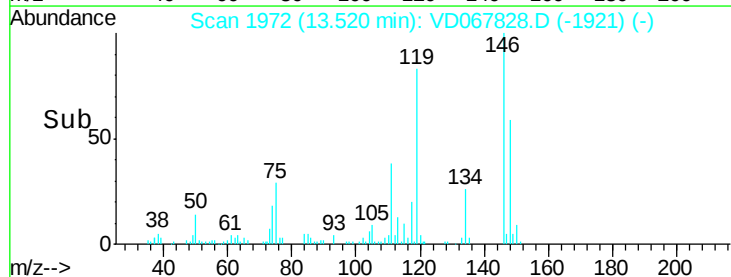
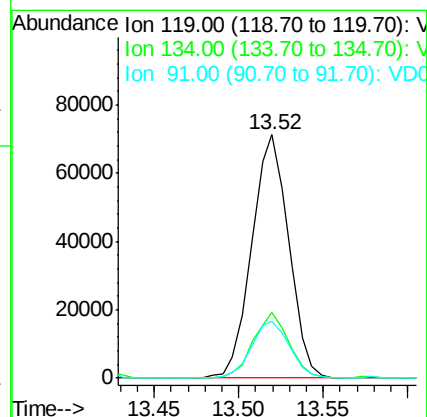
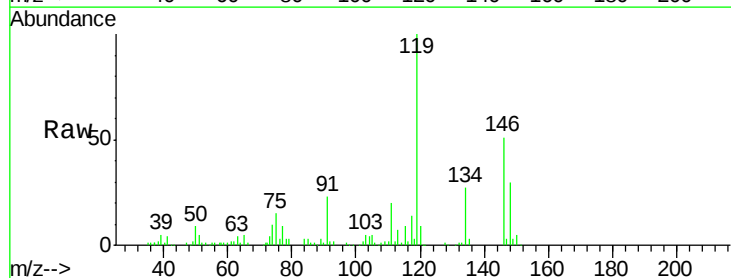
Tgt Ion:119 Resp: 108447

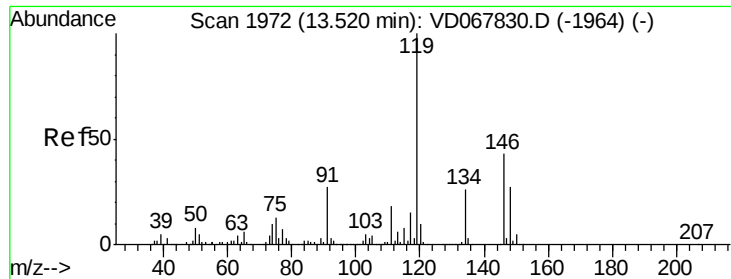
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.3 12.8 38.3





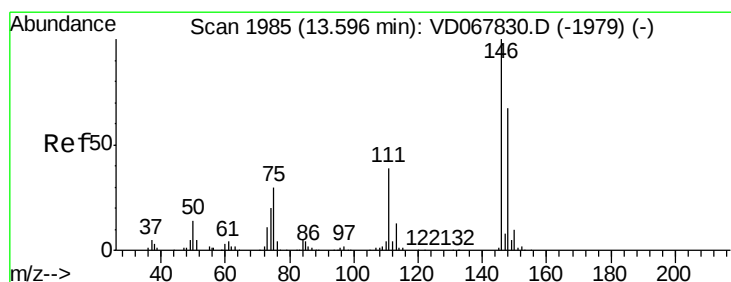
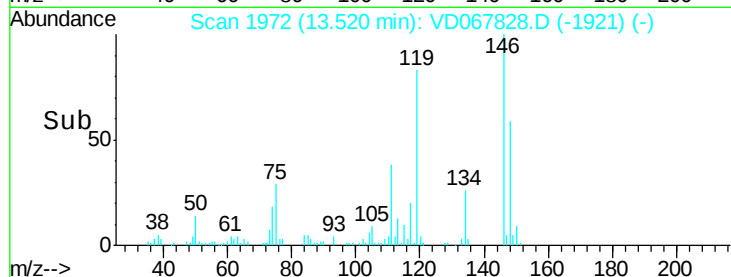
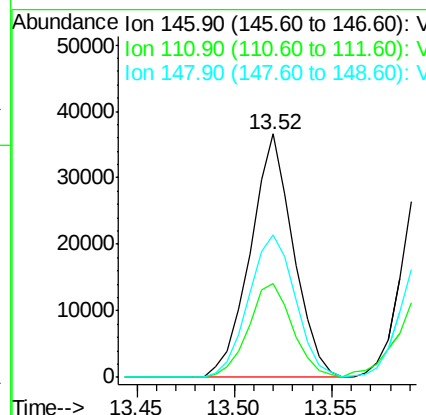
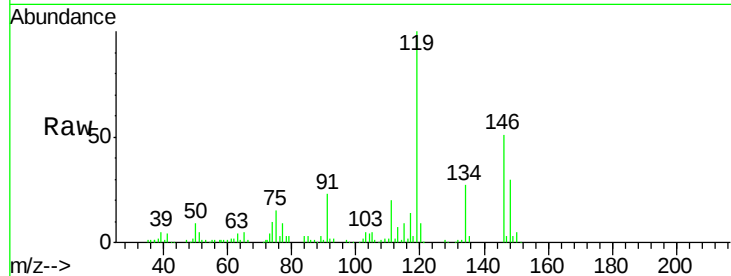
#87
 1,3-Dichlorobenzene
 Concen: 10.622 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067828.D
 Acq: 01 Dec 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.8	62.2
148	63.6	32.9	98.6

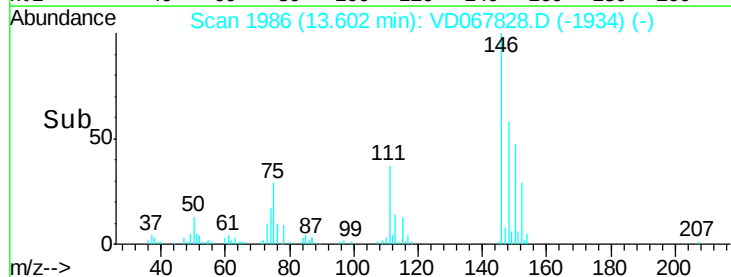
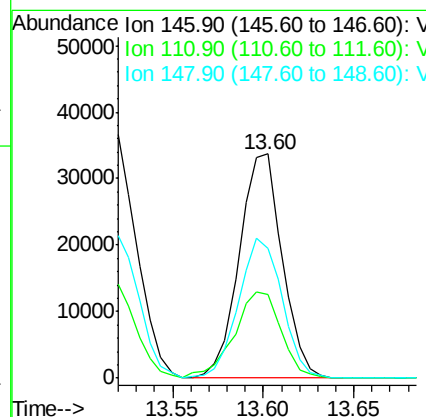
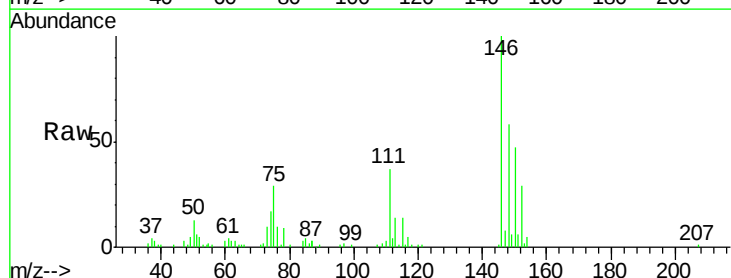
Manual Integrations
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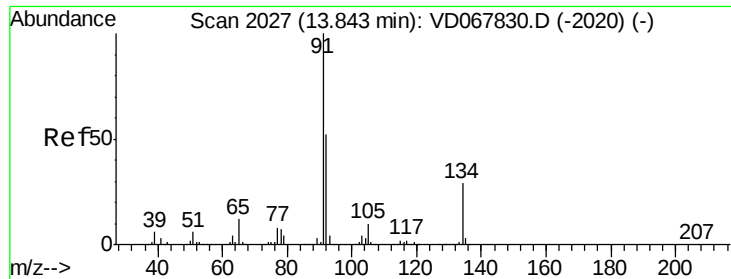
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#88
 1,4-Dichlorobenzene
 Concen: 10.592 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067828.D
 Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	19.9	59.6
148	63.2	32.4	97.2





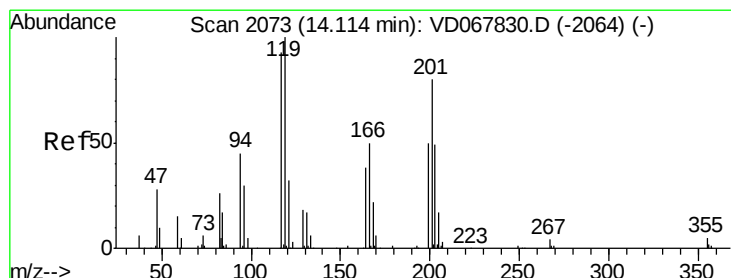
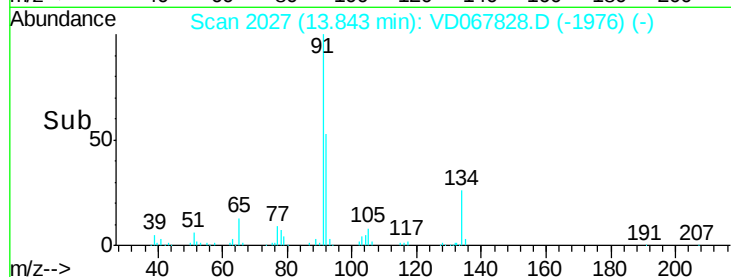
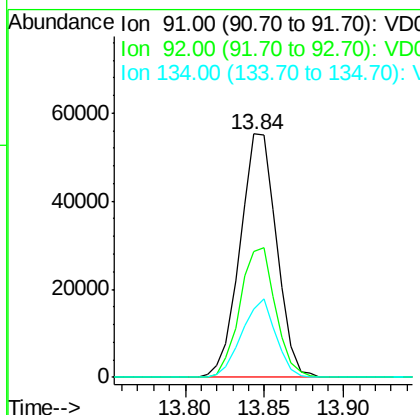
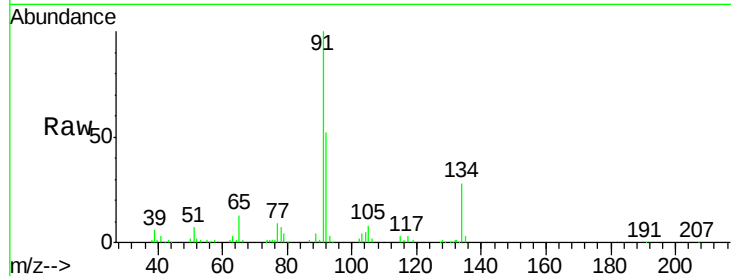
#89
n-Butylbenzene
Concen: 10.126 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.3	78.8
134	29.6	14.8	44.3

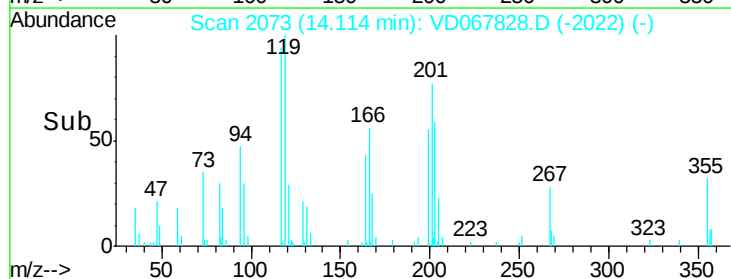
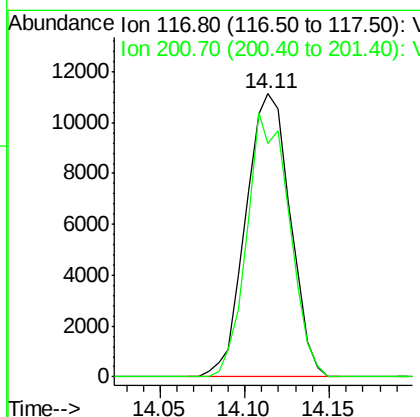
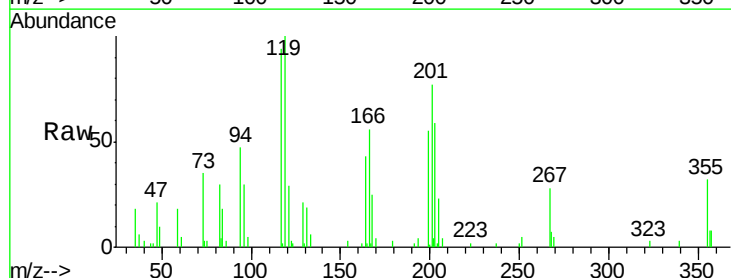
Manual Integrations
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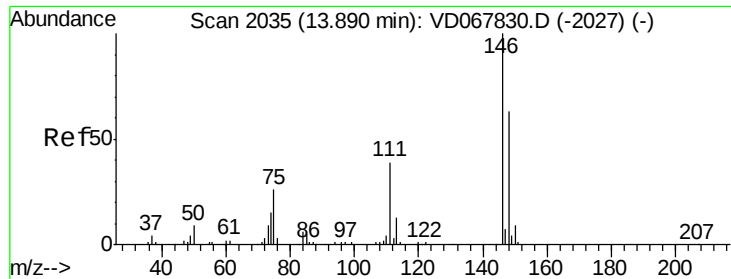
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#90
Hexachloroethane
Concen: 10.492 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.5	43.9	131.6





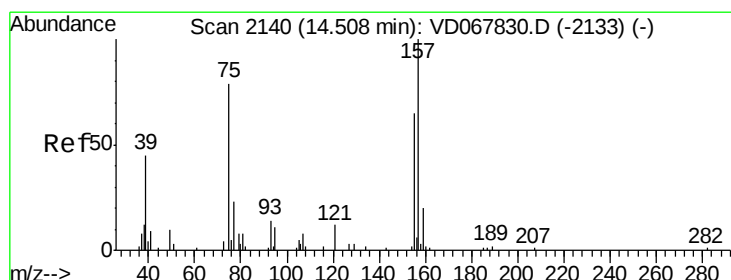
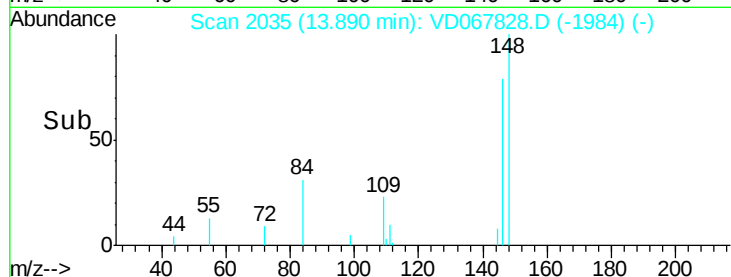
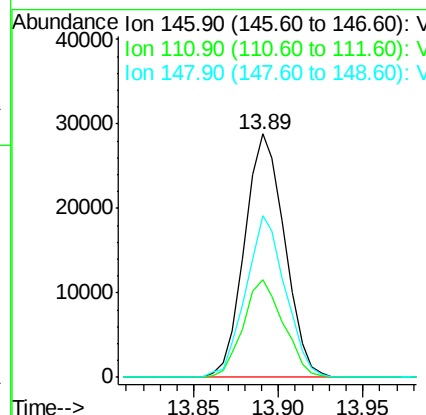
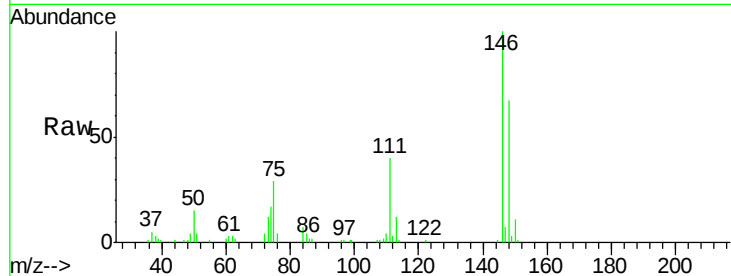
#91
 1,2-Dichlorobenzene
 Concen: 10.491 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067828.D
 Acq: 01 Dec 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.2
148	65.7	32.1	96.3

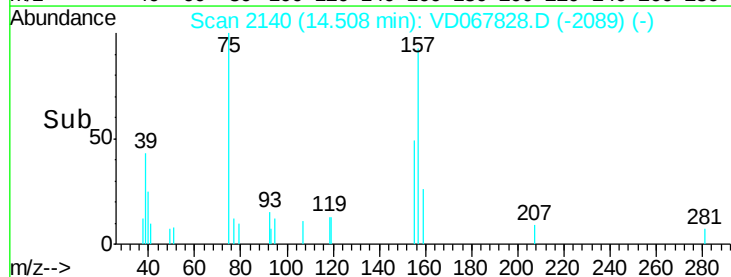
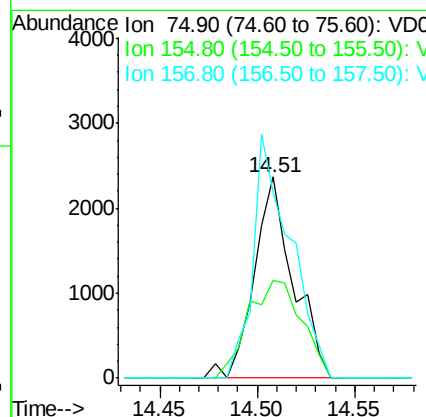
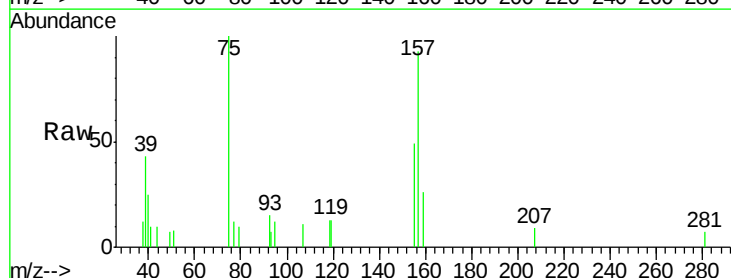
Manual Integrations
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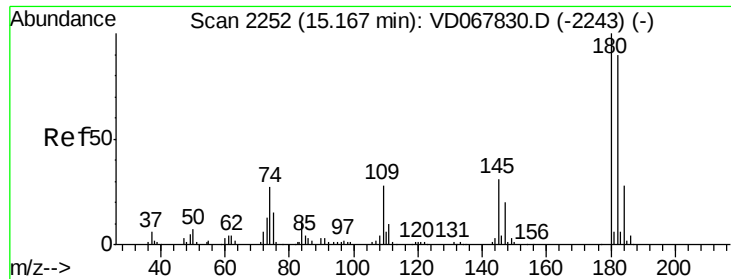
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.879 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067828.D
 Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.6	44.1	132.4
157	115.7	62.4	187.2





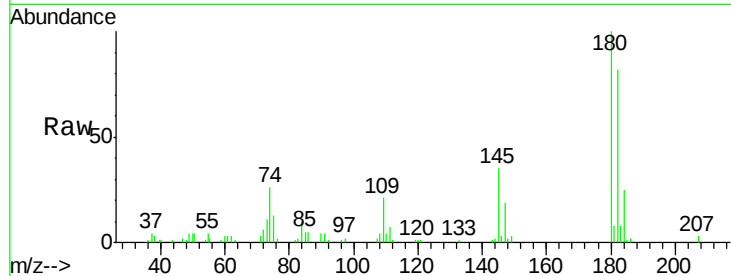
#93
1,2,4-Trichlorobenzene
Concen: 10.047 ug/l
RT: 15.16 min Scan# 2251
Delta R.T. -0.01 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

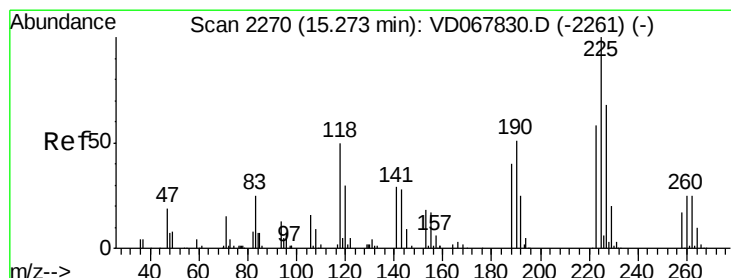
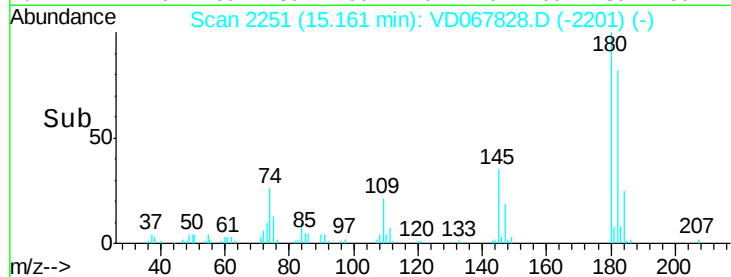
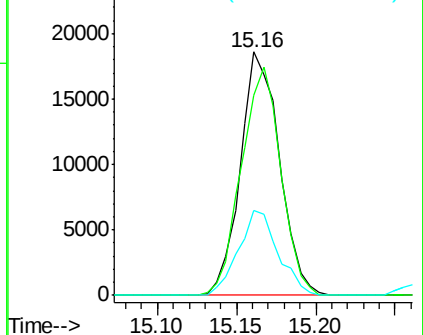
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.5	142.6
145	35.2	16.4	49.4

Manual Integrations
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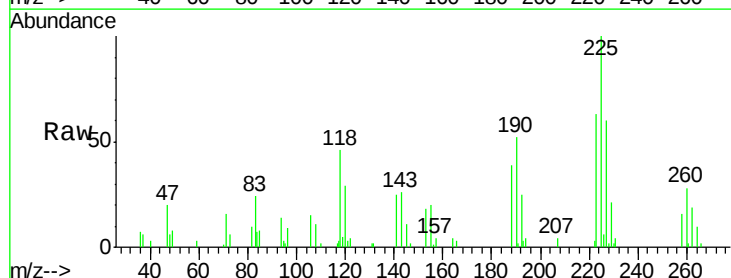


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

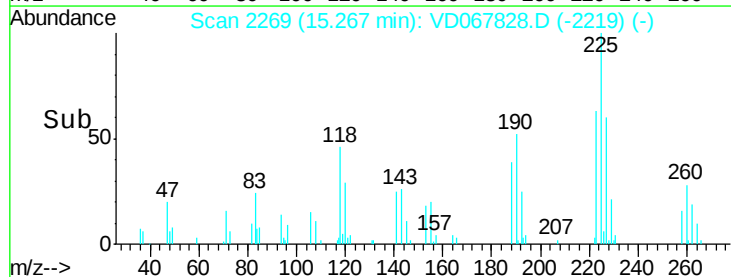
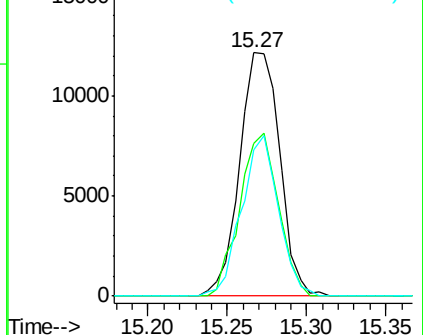


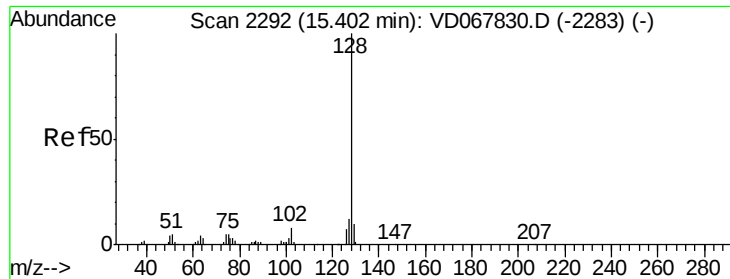
#94
Hexachlorobutadiene
Concen: 10.374 ug/l
RT: 15.27 min Scan# 2269
Delta R.T. -0.01 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.1	93.3
227	60.5	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





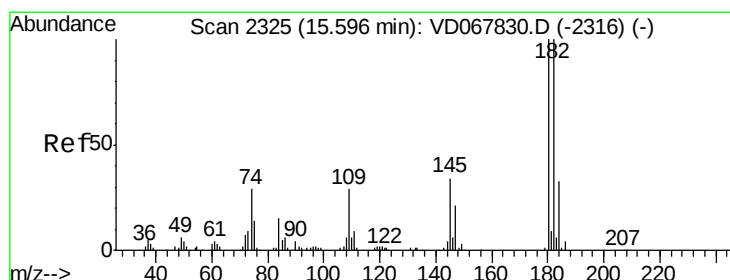
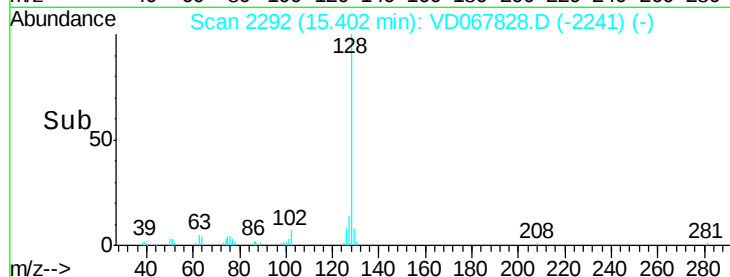
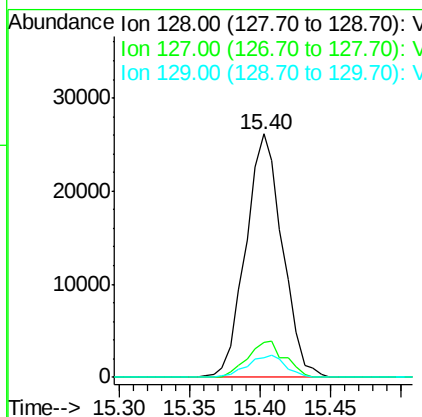
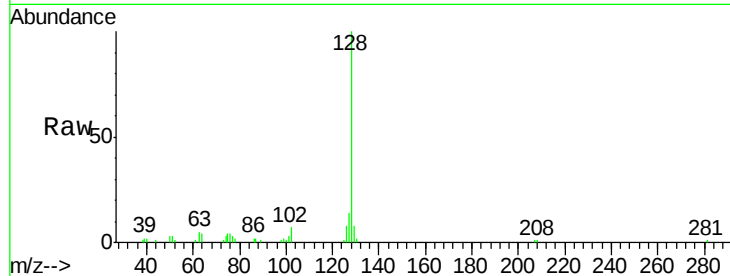
#95
Naphthalene
Concen: 9.206 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.6	15.8
129	9.5	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 9.441 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067828.D
Acq: 01 Dec 2020 11:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.3	142.0
145	34.3	16.8	50.4

