

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067401.D
 Acq On : 26 Oct 2020 19:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 11:45:57 AM

Quant Time: Oct 27 01:43:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	289381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	431207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	410425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	208965	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	144233	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	7.92	113	145166	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.34	98	524211	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.64	95	185252	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93176	39.165	ug/l	96
3) Chloromethane	2.20	50	70562	38.744	ug/l	96
4) Vinyl Chloride	2.34	62	79904	39.987	ug/l	91
5) Bromomethane	2.77	94	64229	46.002	ug/l	90
6) Chloroethane	2.92	64	52174	41.925	ug/l	94
7) Trichlorofluoromethane	3.27	101	225516	44.818	ug/l	99
8) Diethyl Ether	3.71	74	53039	46.064	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	121539	45.463	ug/l	99
10) Methyl Iodide	4.30	142	102836	41.700	ug/l	96
11) Tert butyl alcohol	5.22	59	35736	234.206	ug/l	98
12) 1,1-Dichloroethene	4.07	96	106698	44.675	ug/l	99
13) Acrolein	3.92	56	36269	212.845	ug/l	90
14) Allyl chloride	4.71	41	125422	45.857	ug/l	98
15) Acrylonitrile	5.42	53	92330	240.322	ug/l	96
16) Acetone	4.16	43	88023	216.790	ug/l	99
17) Carbon Disulfide	4.40	76	270046	39.662	ug/l	99
18) Methyl Acetate	4.72	43	49810	53.785	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	238360	50.192	ug/l	99
20) Methylene Chloride	4.97	84	129080	49.594	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	129829	47.238	ug/l	95
22) Diisopropyl ether	6.37	45	251435	50.324	ug/l	95
23) Vinyl Acetate	6.31	43	712940	250.814	ug/l	95
24) 1,1-Dichloroethane	6.27	63	205286	47.999	ug/l	98
25) 2-Butanone	7.21	43	115705	249.994	ug/l	99
26) 2,2-Dichloropropane	7.21	77	200786	45.547	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	147248	48.884	ug/l	99
28) Bromochloromethane	7.54	49	73101	50.111	ug/l	97
29) Tetrahydrofuran	7.56	42	66031	256.652	ug/l	95
30) Chloroform	7.71	83	251182	49.163	ug/l	92
31) Cyclohexane	7.98	56	137567	41.197	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	244878	48.849	ug/l	97
36) 1,1-Dichloropropene	8.11	75	169098	46.268	ug/l	99
37) Ethyl Acetate	7.29	43	53018	49.306	ug/l #	90
38) Carbon Tetrachloride	8.10	117	227626	48.730	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	175979	46.058	ug/l	99
40) Benzene	8.36	78	489829	48.854	ug/l	100
41) Methacrylonitrile	7.53	41	30460	52.420	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	158787	50.605	ug/l	100
43) Isopropyl Acetate	8.46	43	104666	49.054	ug/l #	58
44) Trichloroethene	9.12	130	158504	49.375	ug/l	87
45) 1,2-Dichloropropane	9.39	63	115574	49.737	ug/l	98
46) Dibromomethane	9.48	93	71530	49.406	ug/l	95
47) Bromodichloromethane	9.67	83	199995	51.559	ug/l	99
48) Methyl methacrylate	9.46	41	55612	53.633	ug/l	92
49) 1,4-Dioxane	9.47	88	14573	1041.391	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	276944	260.234	ug/l	99
52) Toluene	10.41	92	343164	50.251	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	175795	51.591	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	199439	50.012	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	101680	51.503	ug/l	96
56) Ethyl methacrylate	10.67	69	107630	52.566	ug/l	100
57) 1,3-Dichloropropane	10.95	76	158986	50.602	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	293123	279.065	ug/l	99
59) 2-Hexanone	10.99	43	191103	262.790	ug/l	99
60) Dibromochloromethane	11.14	129	147815	51.339	ug/l	99
61) 1,2-Dibromoethane	11.25	107	98149	50.428	ug/l	99
64) Tetrachloroethene	10.88	164	138823	46.684	ug/l	94
65) Chlorobenzene	11.67	112	387116	49.187	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	159250	50.911	ug/l	99
67) Ethyl Benzene	11.75	91	663335	49.168	ug/l	100
68) m/p-Xylenes	11.86	106	522425	100.558	ug/l	96
69) o-Xylene	12.18	106	236219	49.101	ug/l	100
70) Styrene	12.20	104	422756	51.048	ug/l	99
71) Bromoform	12.36	173	84867	50.502	ug/l #	99
73) Isopropylbenzene	12.48	105	673700	50.798	ug/l	100
74) N-amyl acetate	12.29	43	98307	49.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	98471	48.458	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	75654m	52.236	ug/l	
77) Bromobenzene	12.77	156	168639	51.003	ug/l	98
78) n-propylbenzene	12.83	91	771158	50.186	ug/l	100
79) 2-Chlorotoluene	12.91	91	439158	49.282	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	584562	50.722	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	31611	49.495	ug/l	96
82) 4-Chlorotoluene	13.01	91	478167	50.558	ug/l	99
83) tert-Butylbenzene	13.23	119	504104	51.782	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	578949	50.826	ug/l	99
85) sec-Butylbenzene	13.41	105	649899	48.652	ug/l	99
86) p-Isopropyltoluene	13.52	119	631304	50.070	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	313213	49.215	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	313085	49.655	ug/l	99
89) n-Butylbenzene	13.85	91	550710	49.649	ug/l	100
90) Hexachloroethane	14.11	117	107298	48.767	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	274137	49.309	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17518	47.452	ug/l	94

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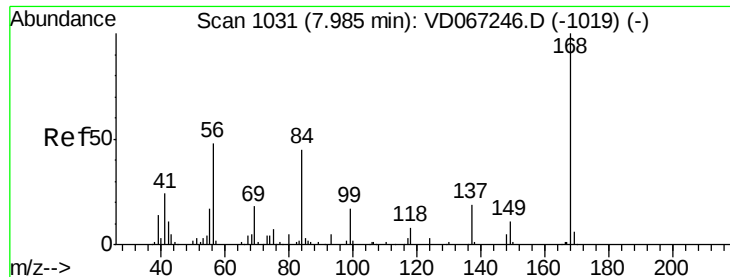
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	192139	51.258	ug/l	98
94) Hexachlorobutadiene	15.27	225	114229	49.073	ug/l	98
95) Naphthalene	15.41	128	326900	53.117	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	169947	52.480	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 289381

Ion Ratio Lower Upper

168 100

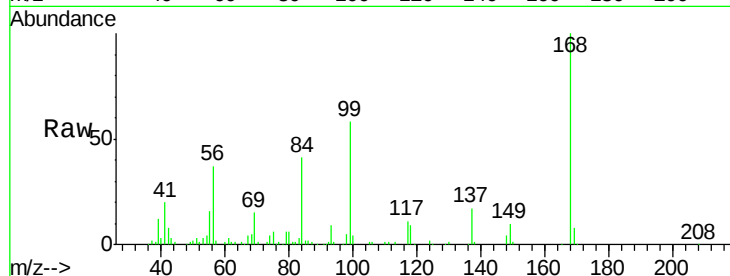
99 57.7 45.9 68.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

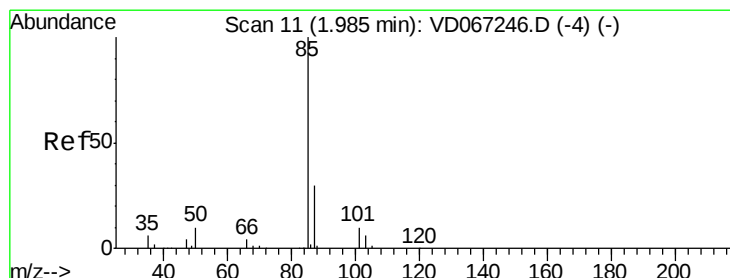
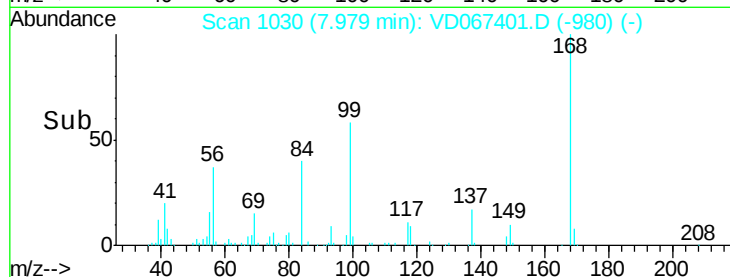
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 39.165 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067401.D

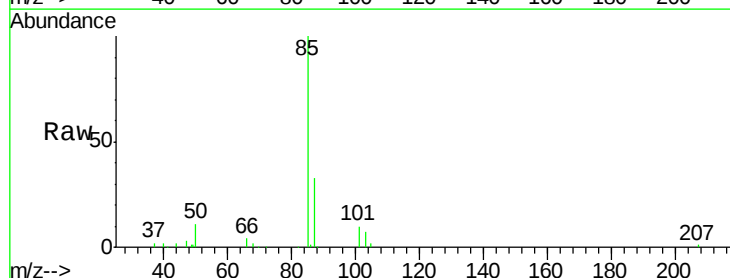
Acq: 26 Oct 2020 19:15

Tgt Ion: 85 Resp: 93176

Ion Ratio Lower Upper

85 100

87 32.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

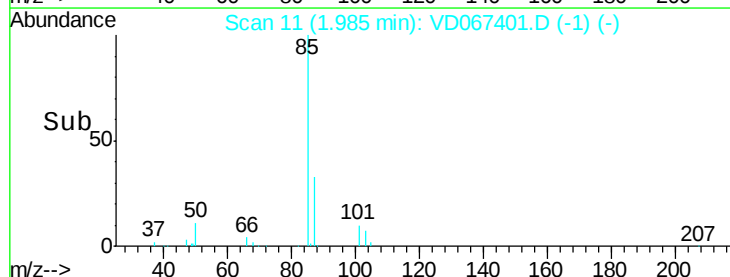
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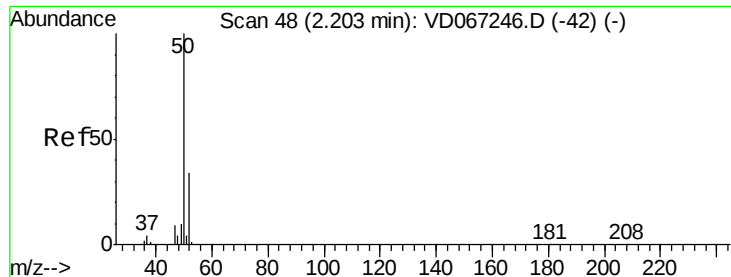
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 38.744 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 70562

Ion Ratio Lower Upper

50 100

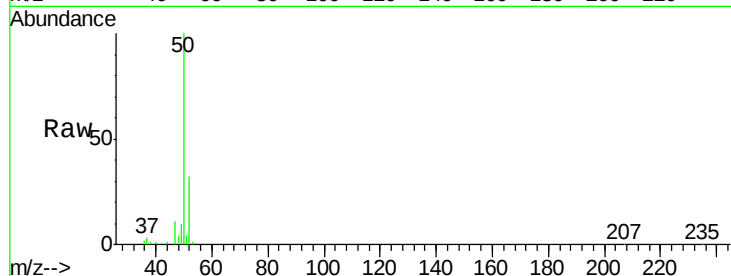
52 31.7 27.1 40.7

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

50000

40000

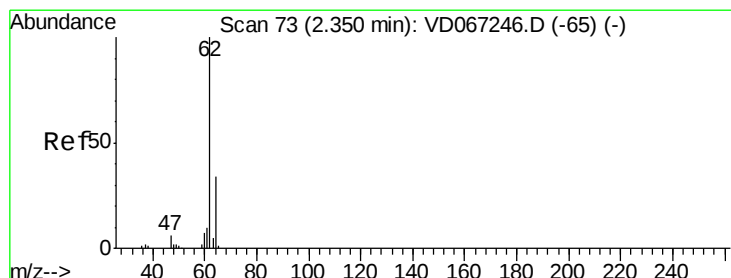
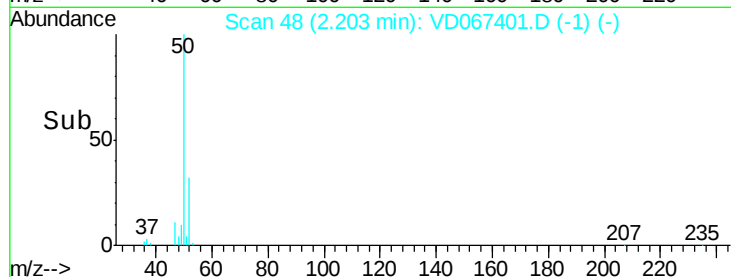
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 39.987 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067401.D

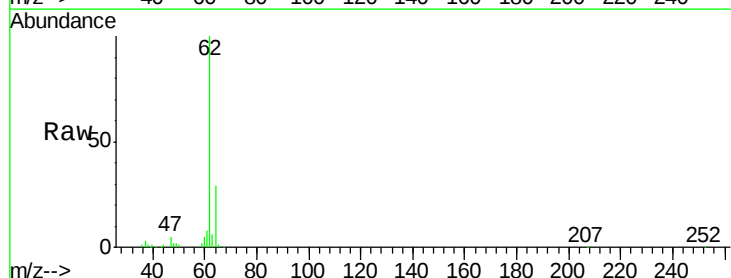
Acq: 26 Oct 2020 19:15

Tgt Ion: 62 Resp: 79904

Ion Ratio Lower Upper

62 100

64 29.1 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.34

60000

50000

40000

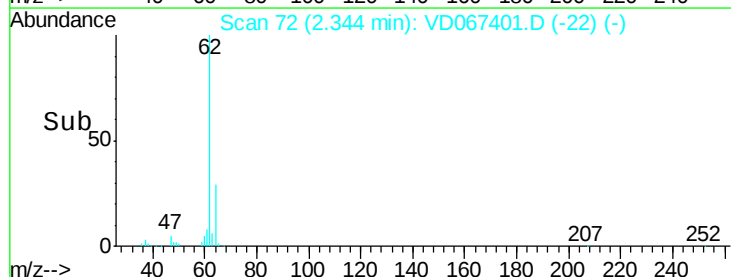
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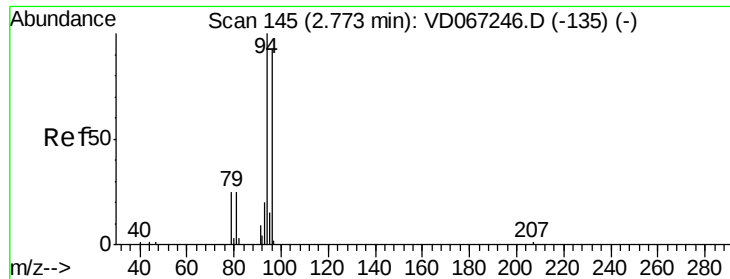
20000

10000

0

Time-->





#5

Bromomethane

Concen: 46.002 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 64229

Ion Ratio Lower Upper

94 100

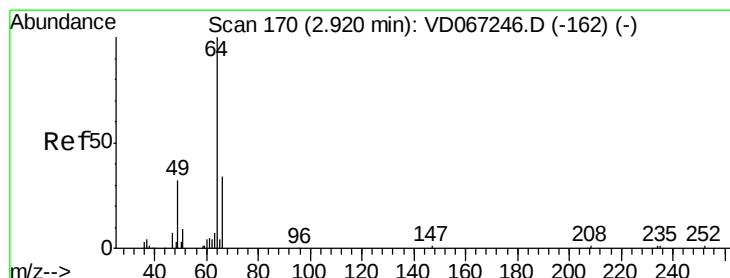
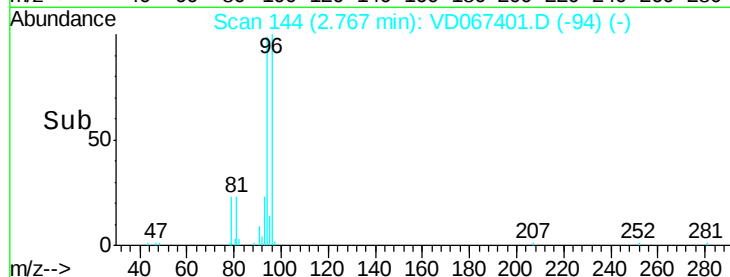
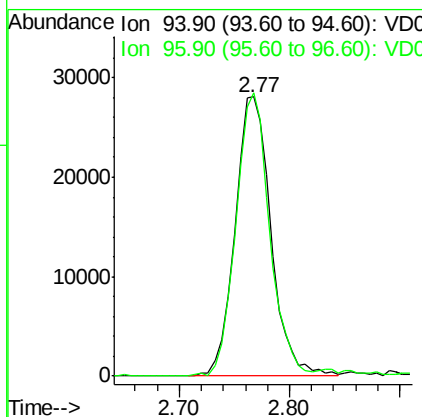
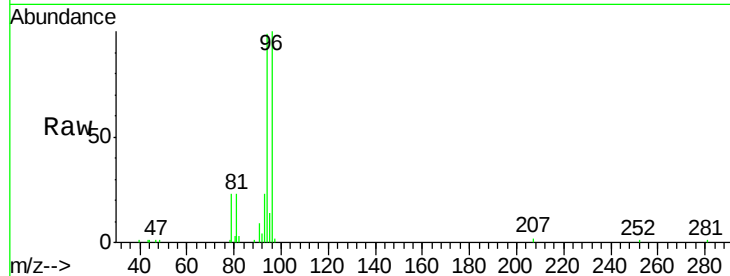
96 101.4 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 41.925 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067401.D

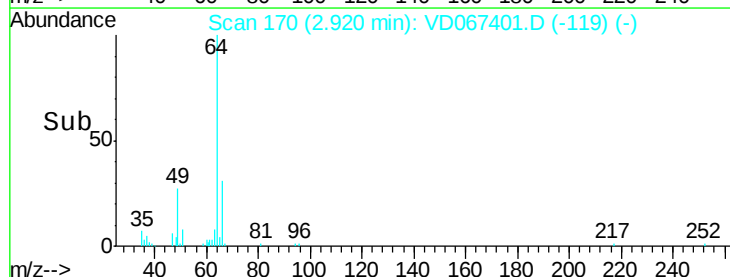
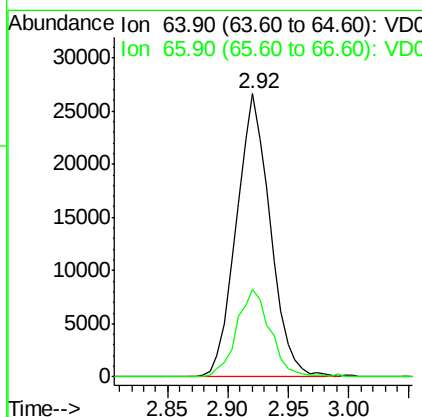
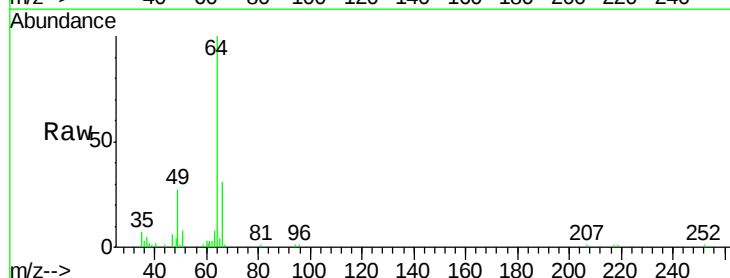
Acq: 26 Oct 2020 19:15

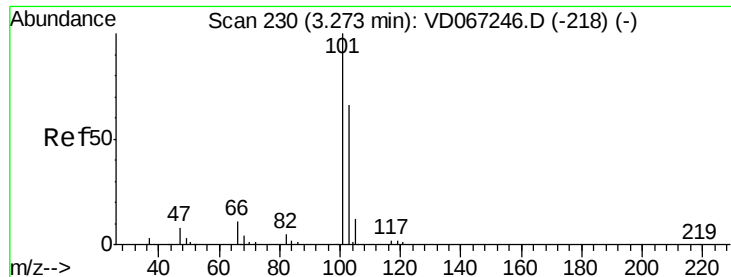
Tgt Ion: 64 Resp: 52174

Ion Ratio Lower Upper

64 100

66 30.8 27.4 41.0





#7

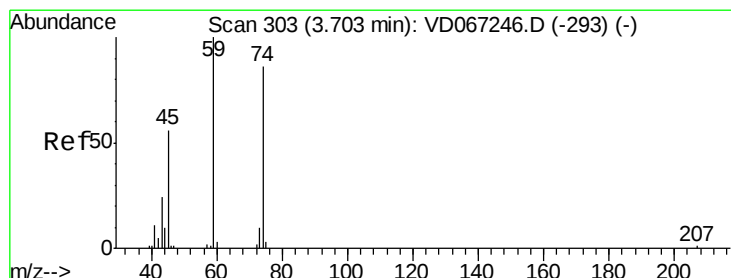
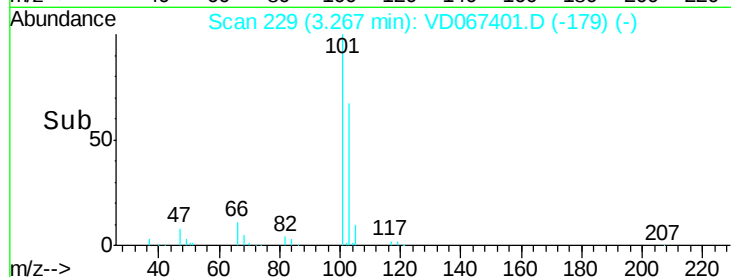
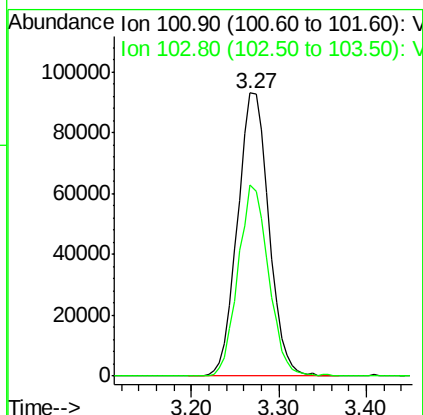
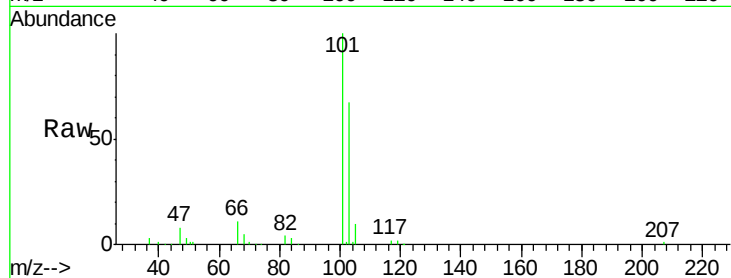
Trichlorofluoromethane
Concen: 44.818 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	53.1	79.7

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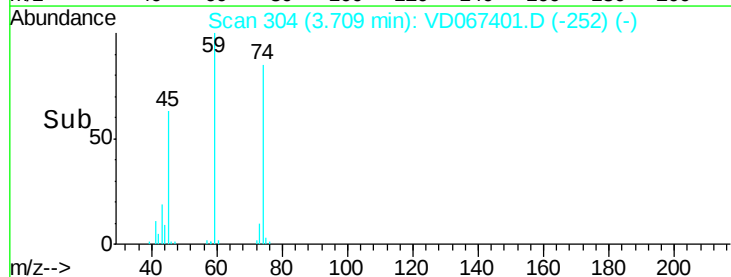
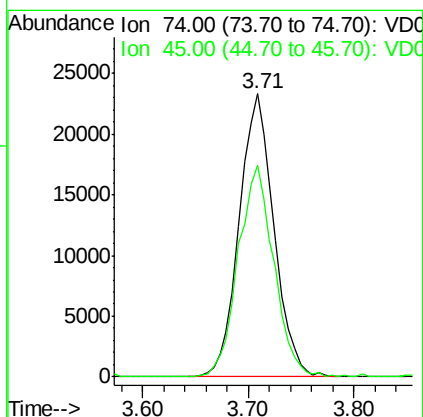
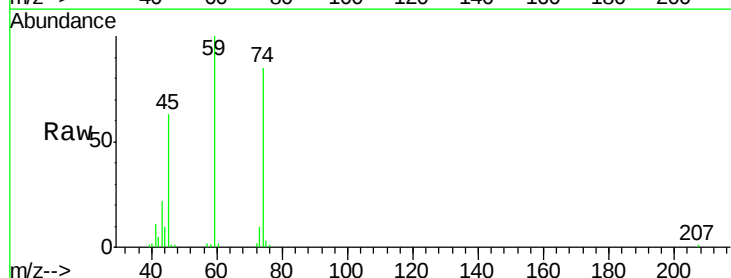
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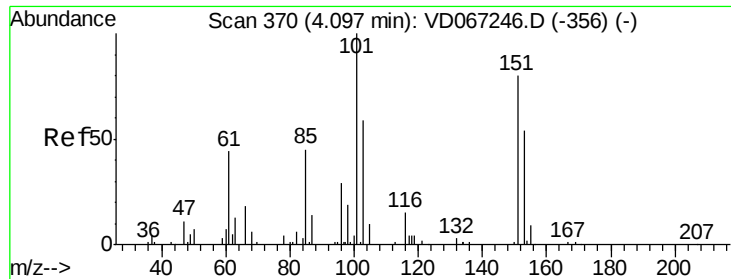


#8

Diethyl Ether
Concen: 46.064 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.2	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.463 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

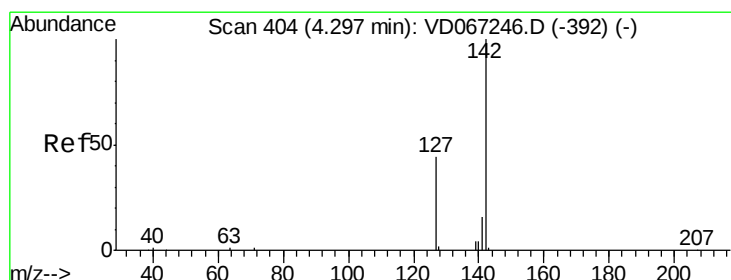
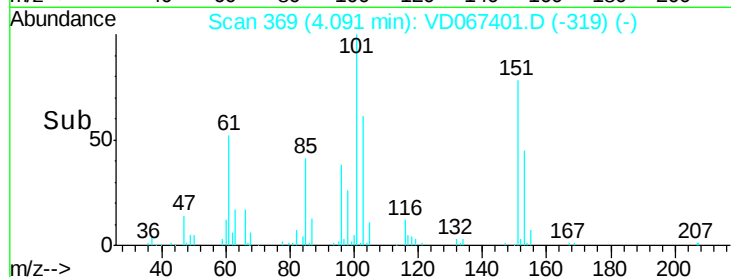
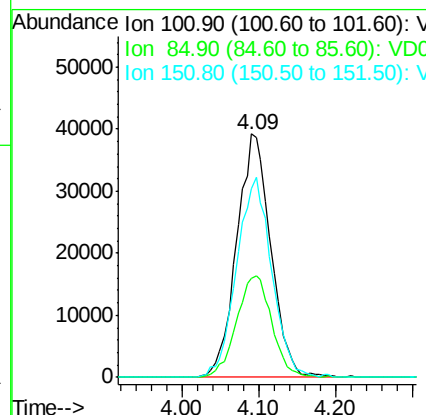
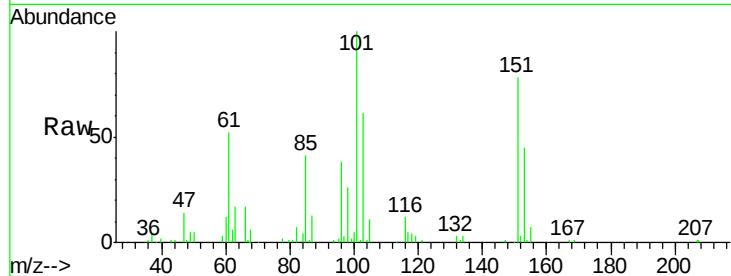
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	121539
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.4
151	84.3	66.3	99.5

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#10

Methyl Iodide

Concen: 41.700 ug/l

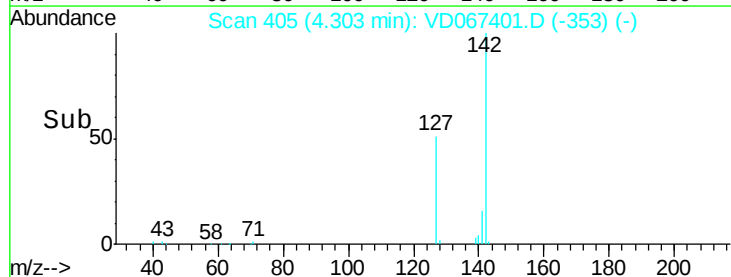
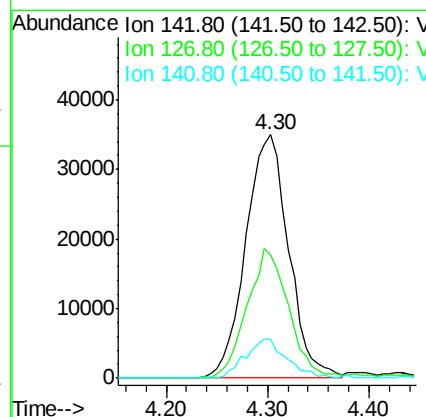
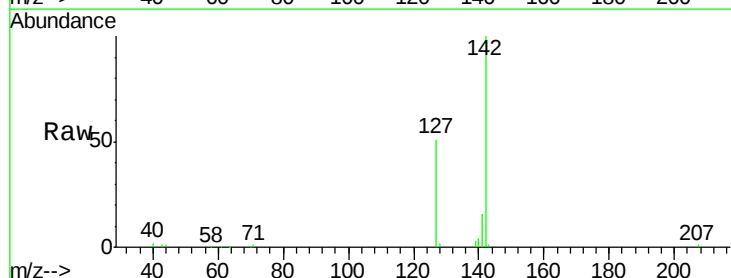
RT: 4.30 min Scan# 405

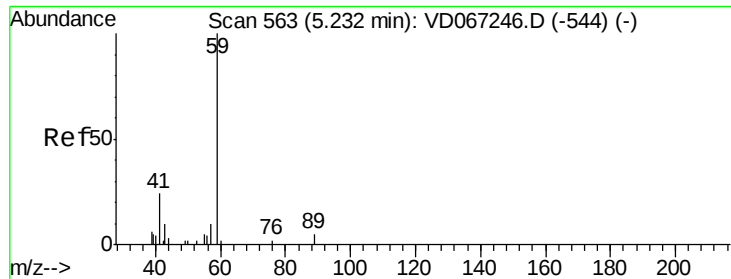
Delta R.T. 0.01 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Tgt Ion:	142	Resp:	102836
Ion Ratio	Lower	Upper	
142	100		
127	51.3	38.4	57.6
141	15.4	11.6	17.4





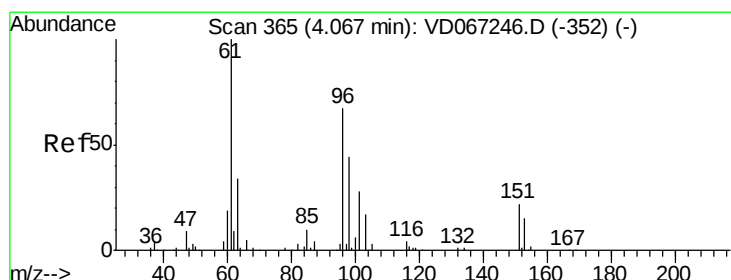
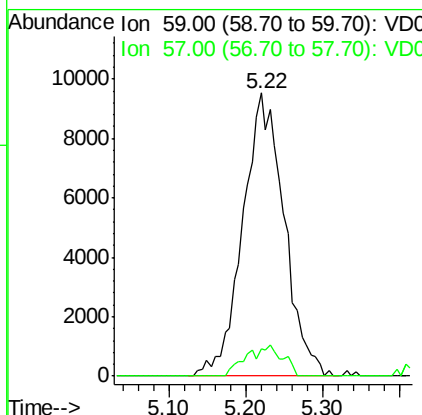
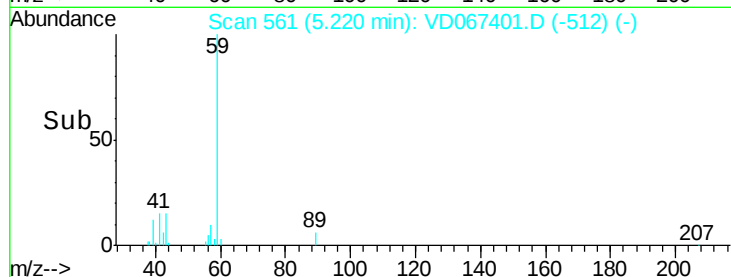
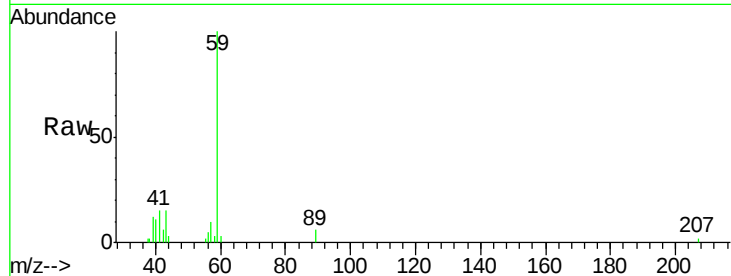
#11
Tert butyl alcohol
Concen: 234.206 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 35736
Ion Ratio Lower Upper
59 100
57 5.8 5.1 7.7

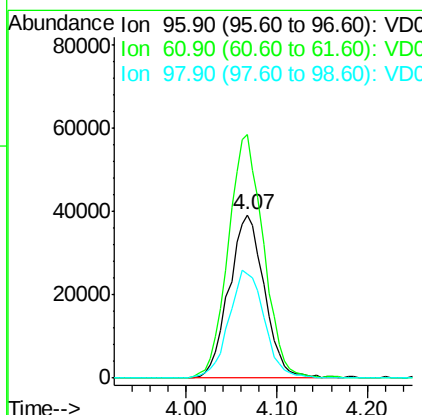
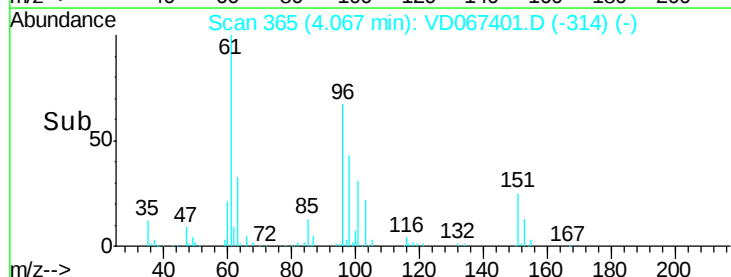
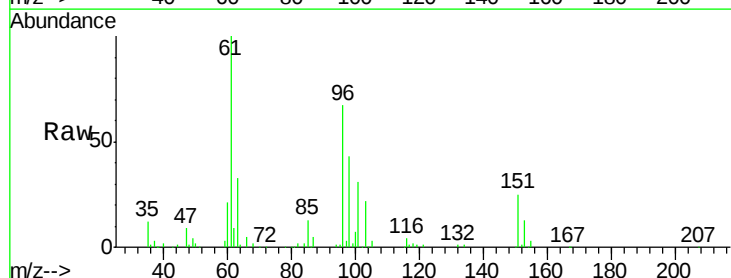
Manual Integrations
APPROVED

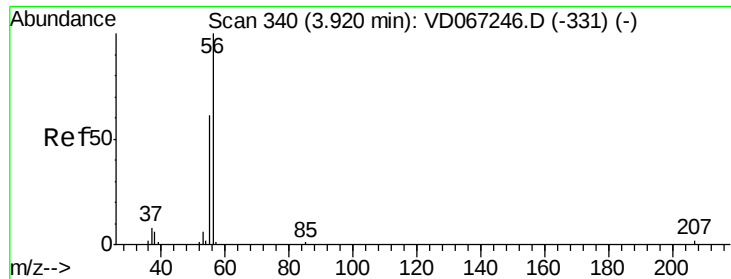
MMDadoda
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#12
1,1-Dichloroethene
Concen: 44.675 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion: 96 Resp: 106698
Ion Ratio Lower Upper
96 100
61 149.1 118.6 177.8
98 64.1 51.8 77.6





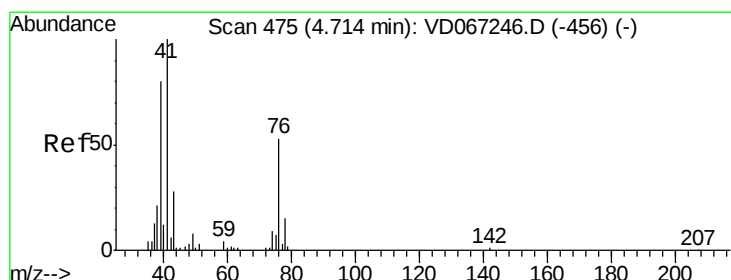
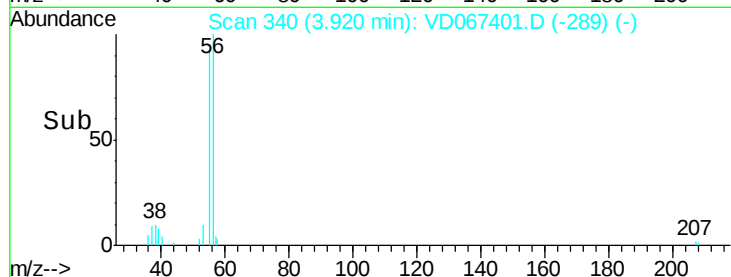
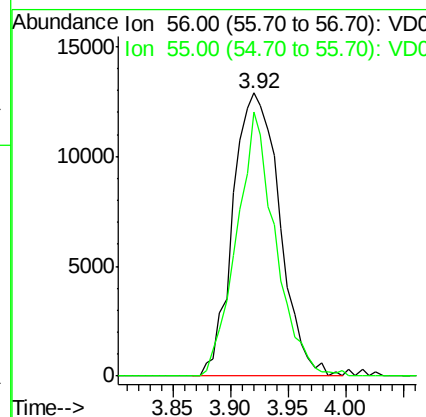
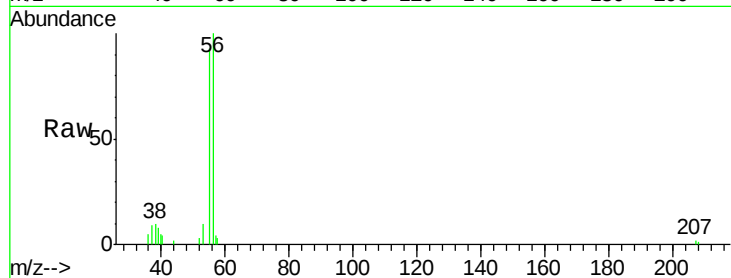
#13
Acrolein
Concen: 212.845 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	36269
Ion Ratio	Lower	Upper	
56	100		
55	77.8	56.0	84.0

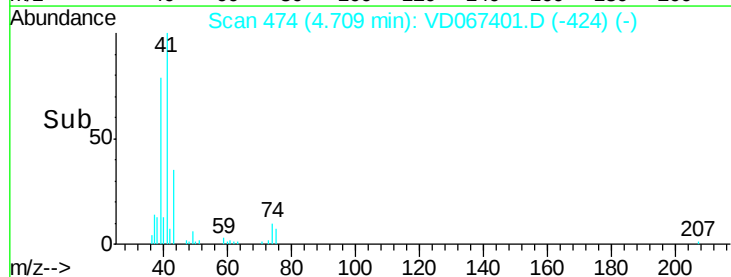
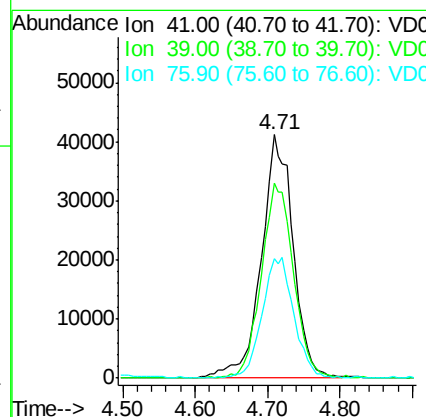
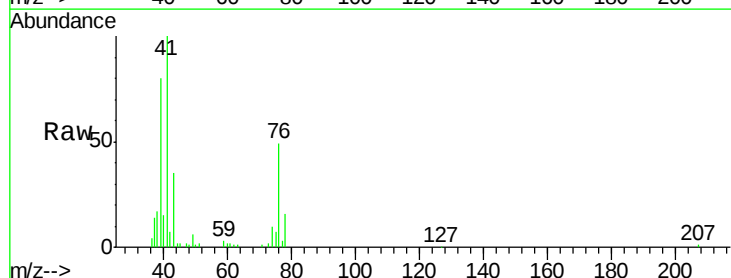
Manual Integrations
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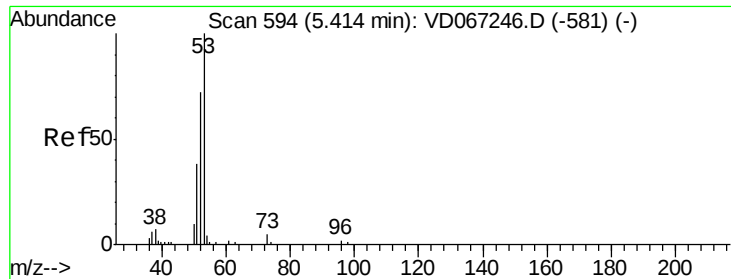
MMDadoda
10/27/2020 11:45:57 AM



#14
Allyl chloride
Concen: 45.857 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	41	Resp	125422
Ion Ratio	Lower	Upper	
41	100		
39	81.3	63.8	95.6
76	49.7	40.4	60.6





#15

Acrylonitrile

Concen: 240.322 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

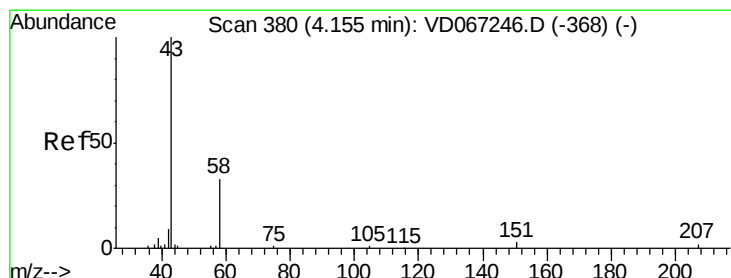
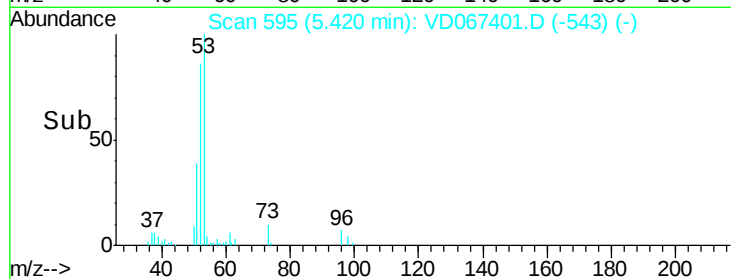
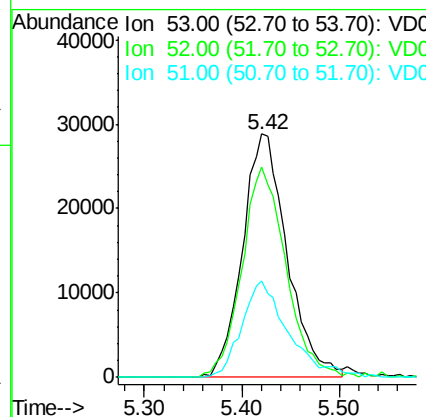
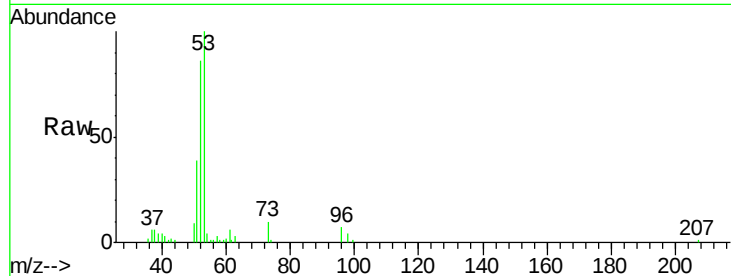
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	92330
Ion Ratio	Lower	Upper	
53	100		
52	85.2	65.6	98.4
51	41.3	30.8	46.2

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#16

Acetone

Concen: 216.790 ug/l

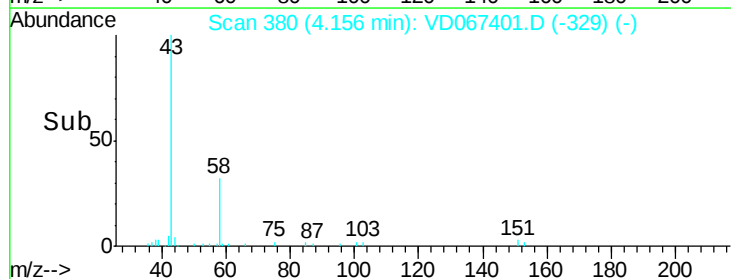
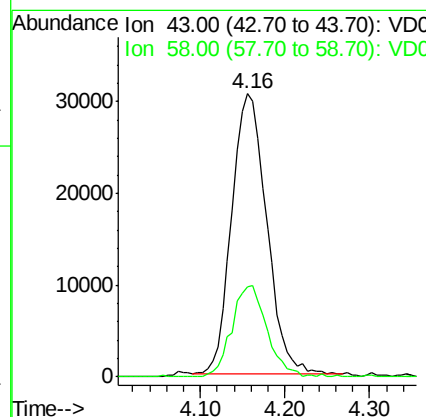
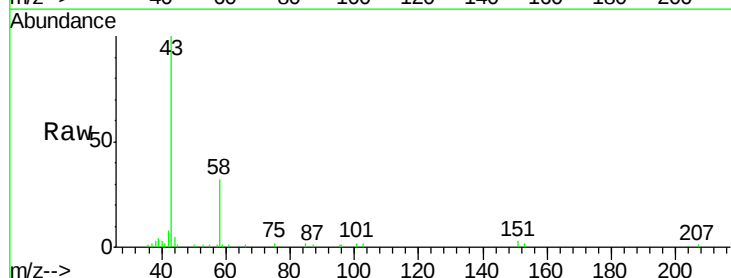
RT: 4.16 min Scan# 380

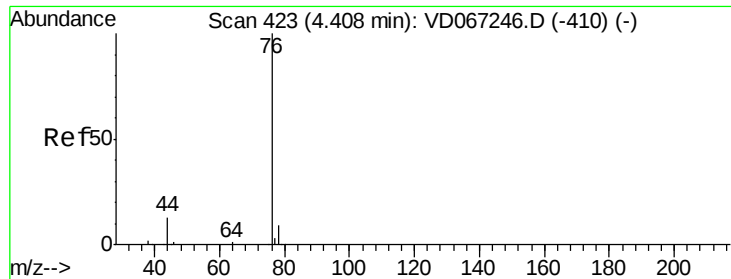
Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Tgt Ion:	43	Resp:	88023
Ion Ratio	Lower	Upper	
43	100		
58	32.0	26.1	39.1





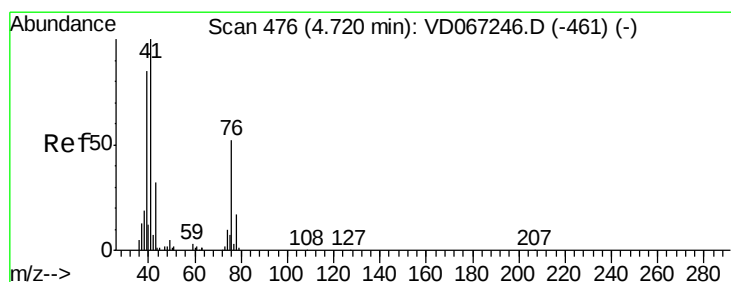
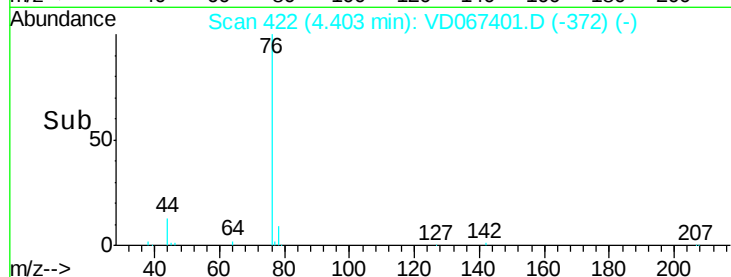
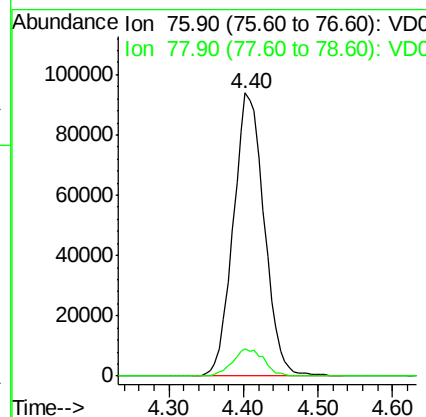
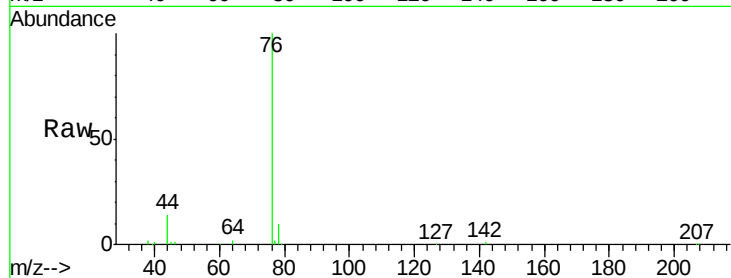
#17
Carbon Disulfide
Concen: 39.662 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

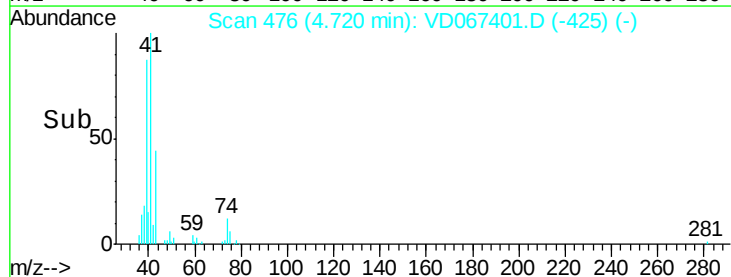
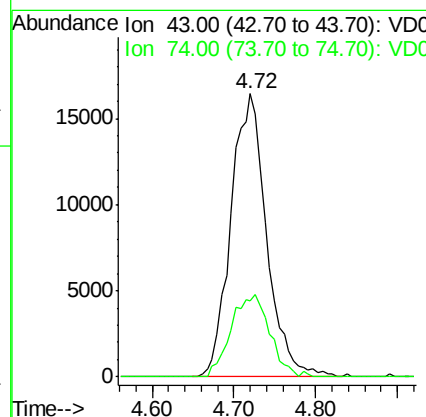
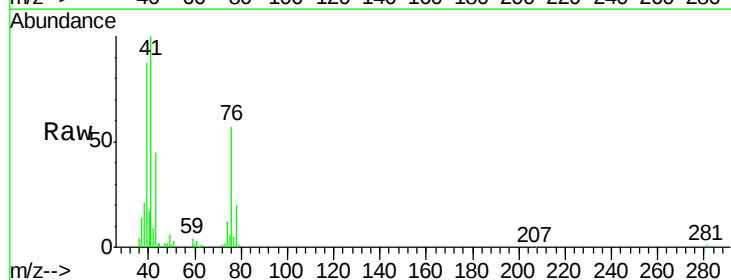
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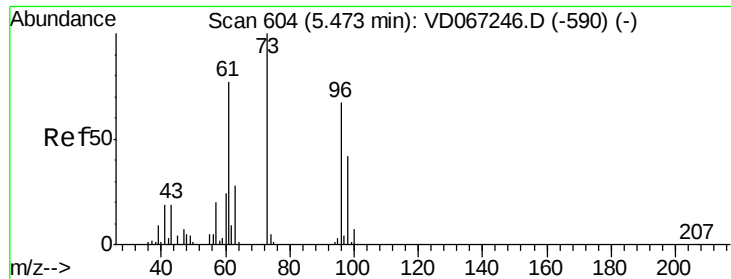
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#18
Methyl Acetate
Concen: 53.785 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.2	26.6	39.8





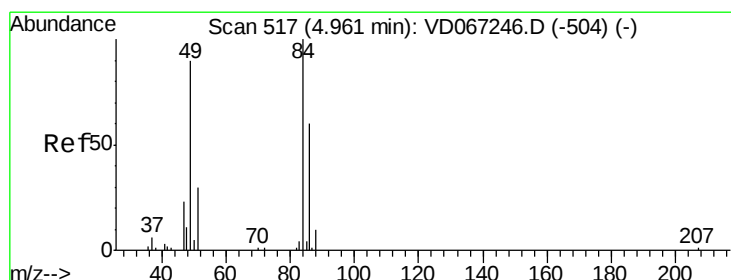
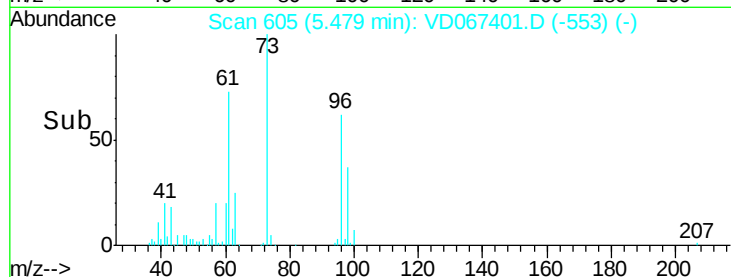
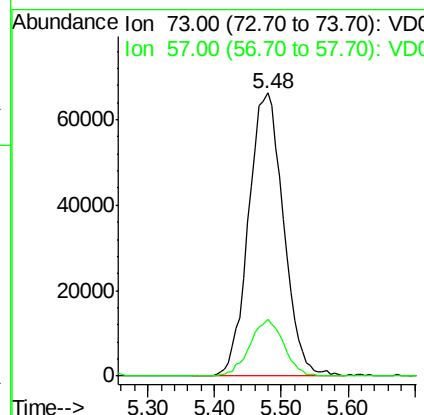
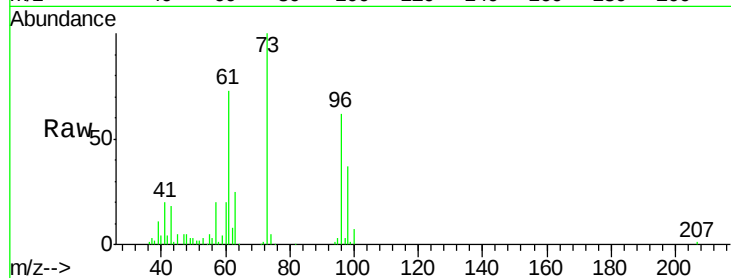
#19
Methvl tert-butvl Ether
Concen: 50.192 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 238360
Ion Ratio Lower Upper
73 100
57 20.0 15.7 23.5

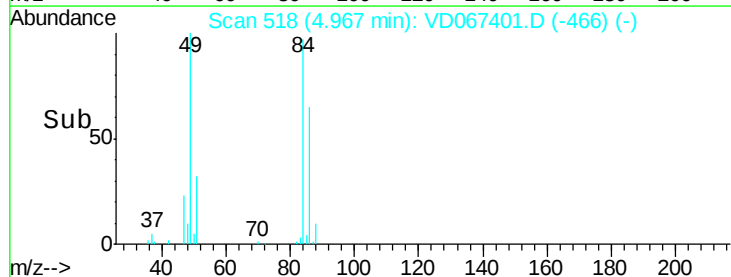
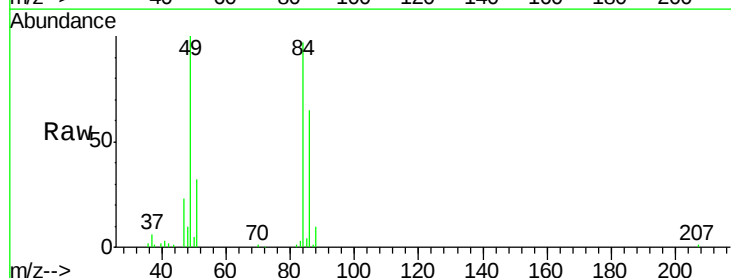
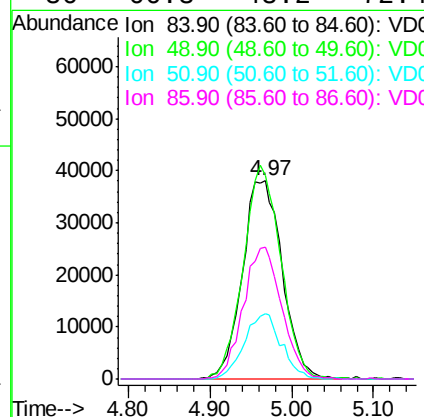
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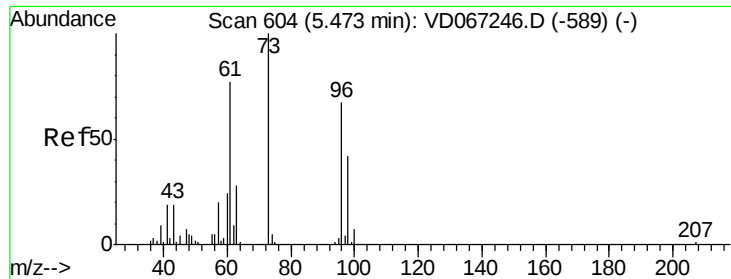
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#20
Methylene Chloride
Concen: 49.594 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion: 84 Resp: 129080
Ion Ratio Lower Upper
84 100
49 102.6 72.2 108.2
51 32.8 23.8 35.8
86 66.3 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 47.238 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

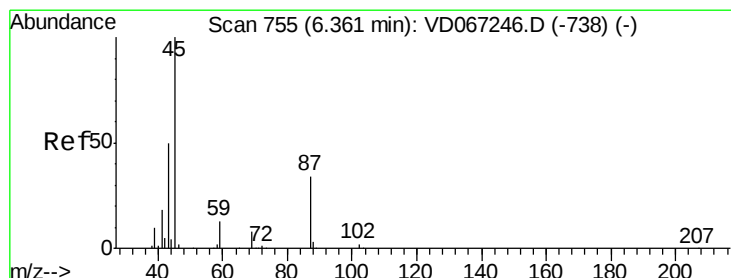
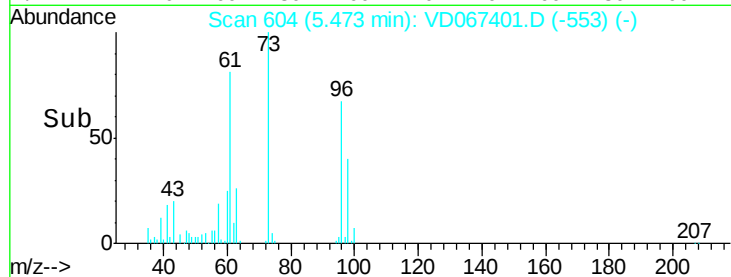
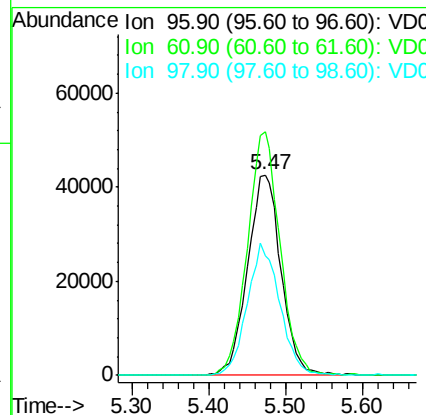
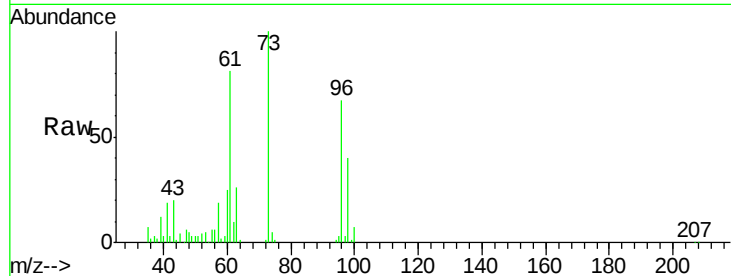
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	129829
Ion	Ratio	Lower	Upper
96	100		
61	121.5	92.0	138.0
98	59.9	49.8	74.8

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#22

Diisopropyl ether

Concen: 50.324 ug/l

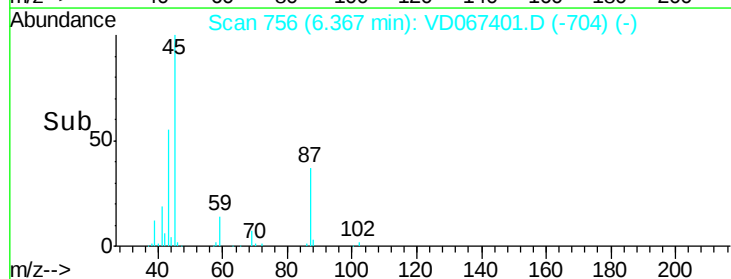
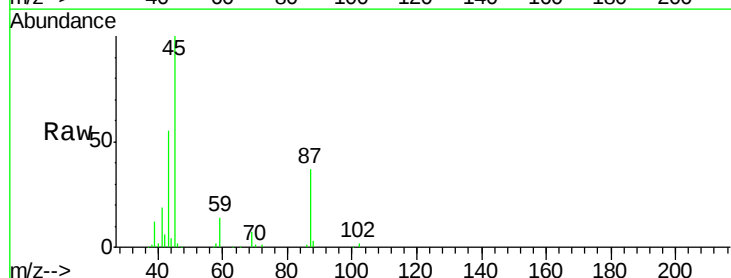
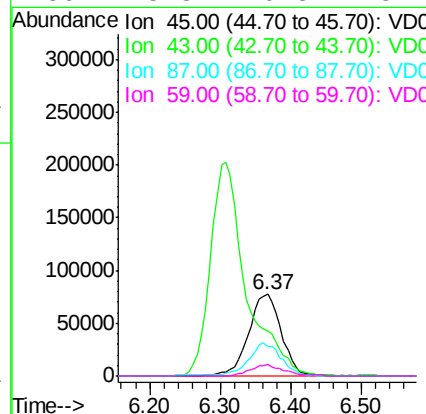
RT: 6.37 min Scan# 756

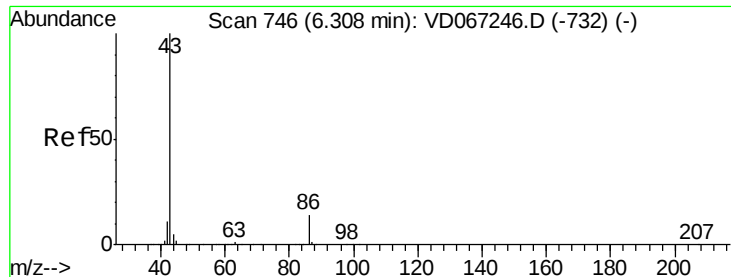
Delta R.T. 0.01 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Tgt Ion:	45	Resp:	251435
Ion	Ratio	Lower	Upper
45	100		
43	54.6	48.0	72.0
87	36.7	28.5	42.7
59	13.8	10.5	15.7





#23

Vinyl Acetate

Concen: 250.814 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 712940

Ion Ratio Lower Upper

43 100

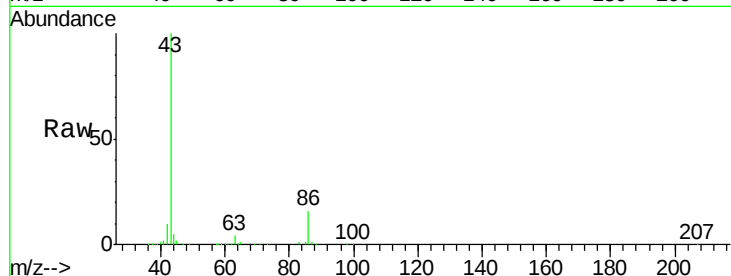
86 15.9 11.0 16.6

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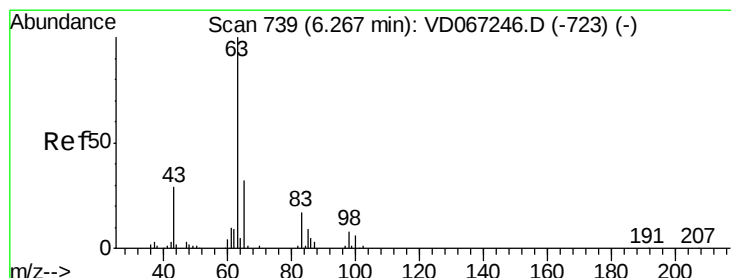
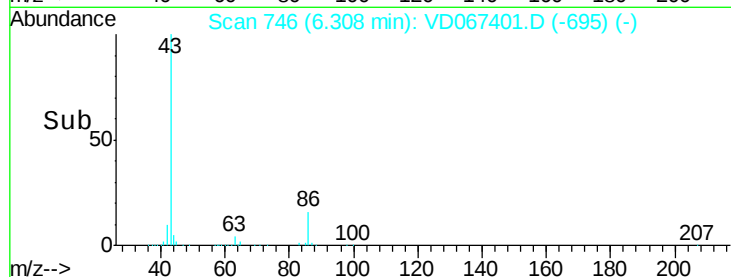
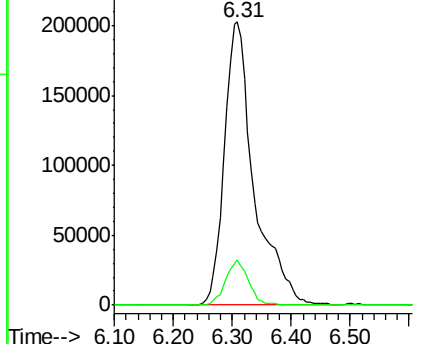
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.999 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

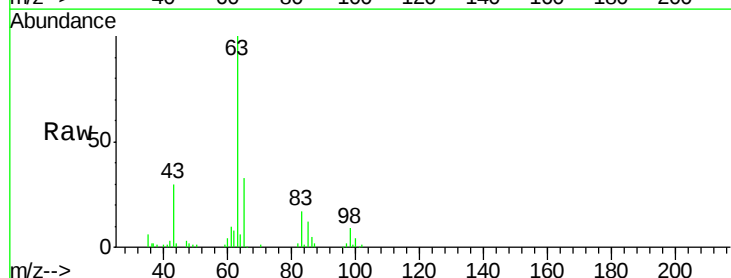
Tgt Ion: 63 Resp: 205286

Ion Ratio Lower Upper

63 100

98 8.6 4.0 12.2

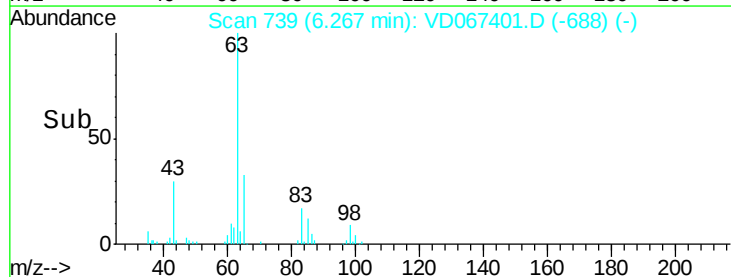
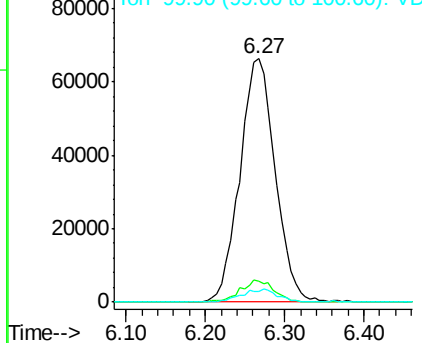
100 4.3 2.8 8.4

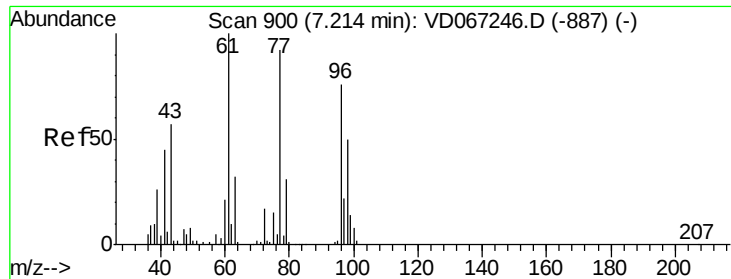


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





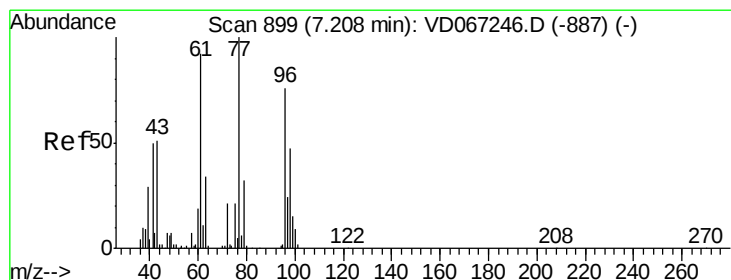
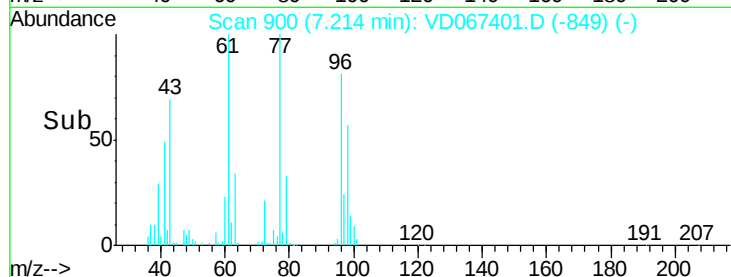
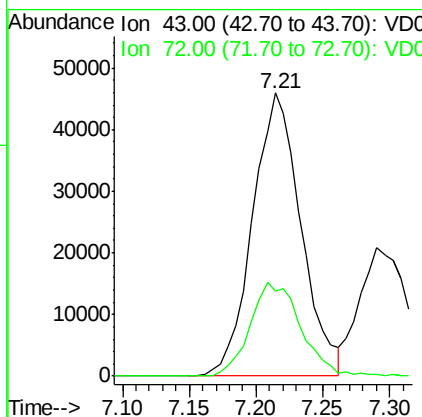
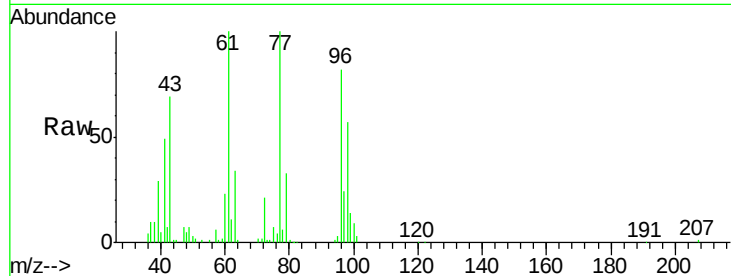
#25
2-Butanone
Concen: 249.994 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 115705
Ion Ratio Lower Upper
43 100
72 29.9 23.7 35.5

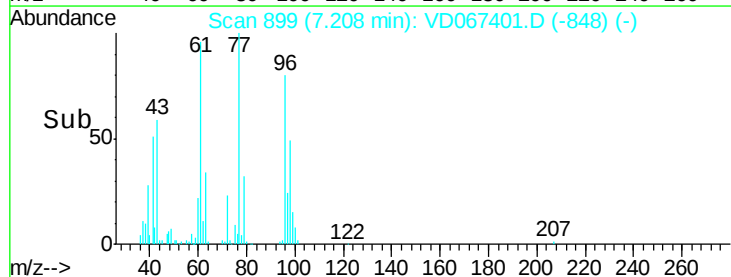
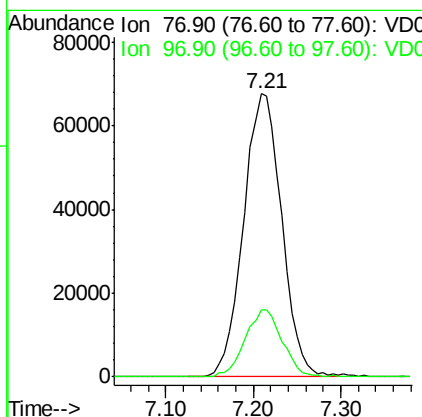
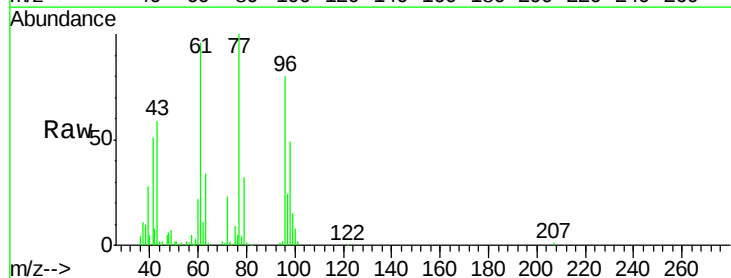
Manual Integrations
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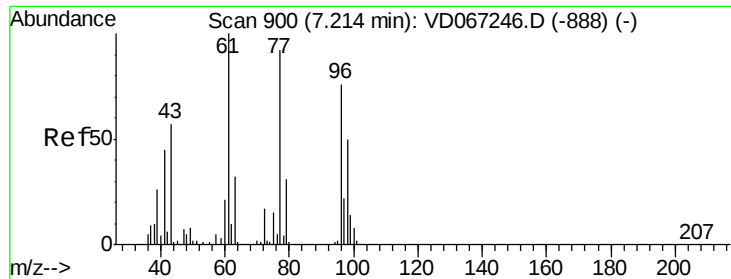
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#26
2,2-Dichloropropane
Concen: 45.547 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion: 77 Resp: 200786
Ion Ratio Lower Upper
77 100
97 23.1 11.4 34.2





#27

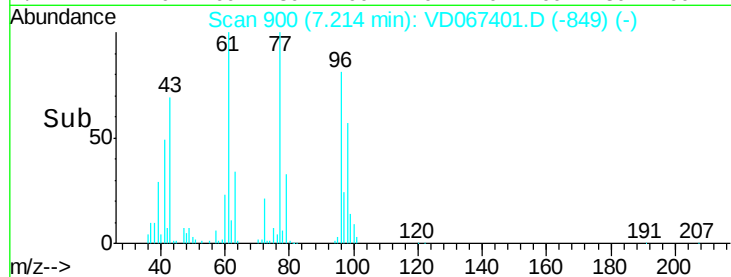
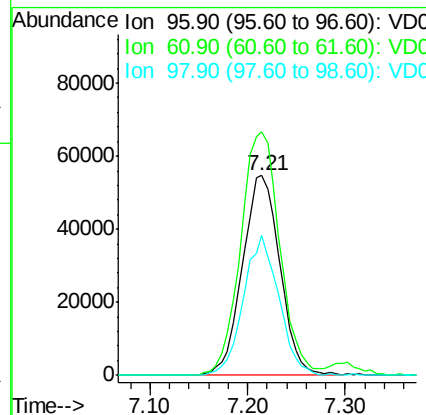
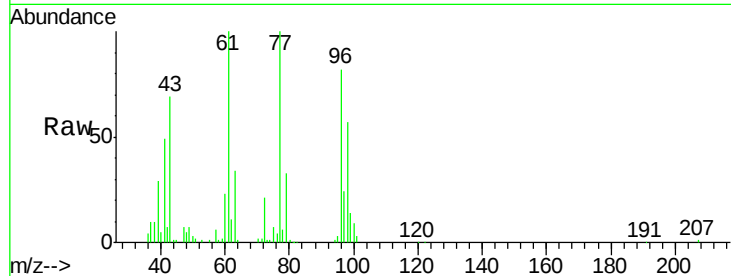
cis-1,2-Dichloroethene
 Concen: 48.884 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	147248		
61	127.6	0.0	255.4	
98	65.9	0.0	128.0	

Manual Integrations
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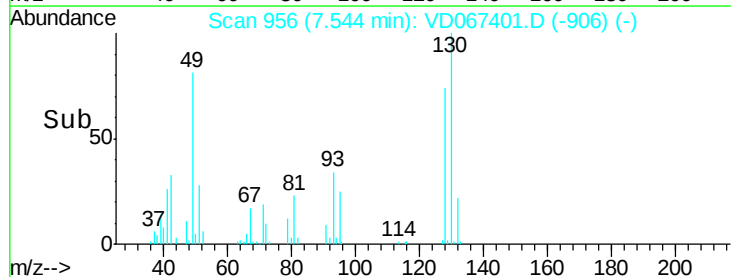
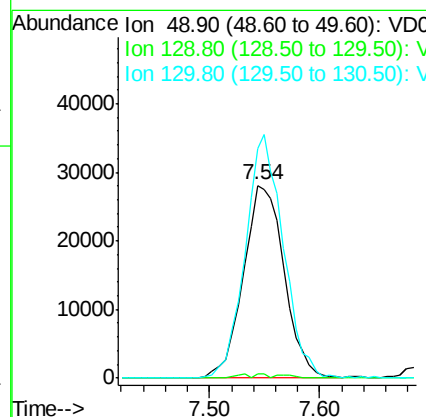
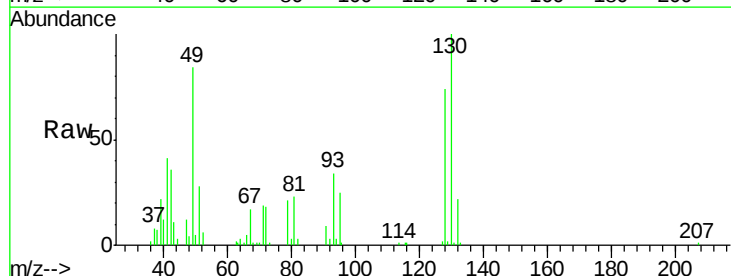
MMDadoda
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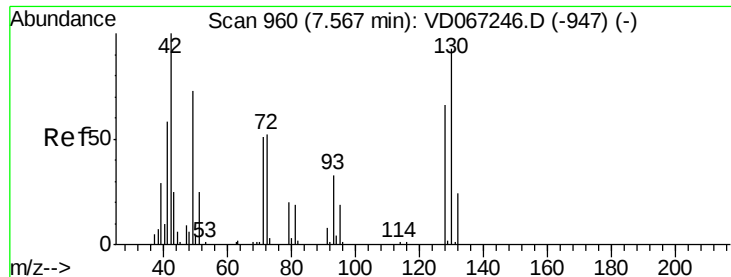


#28

Bromochloromethane
 Concen: 50.111 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	73101		
129	0.6	0.0	1.6	
130	117.3	91.0	136.6	





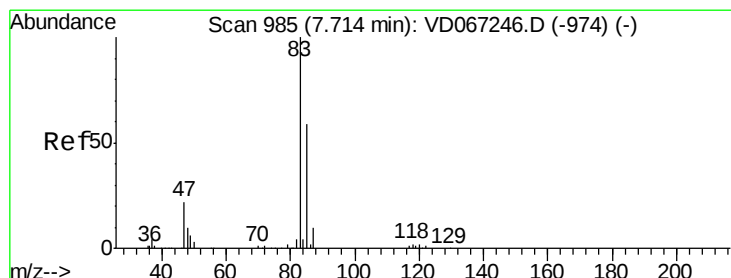
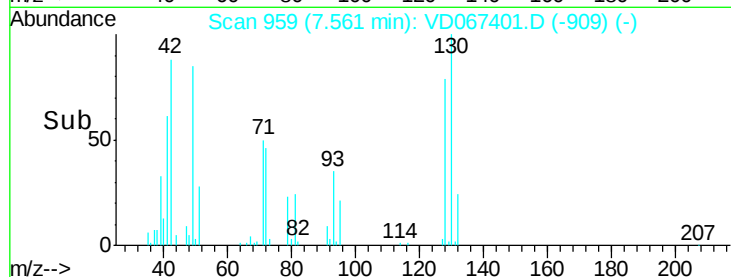
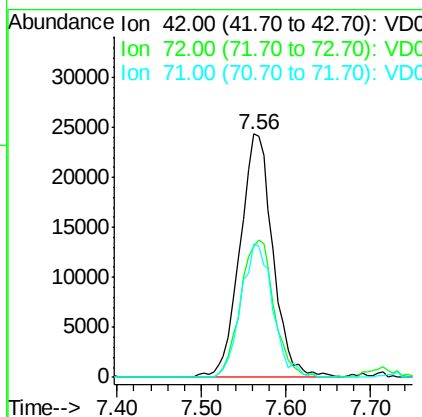
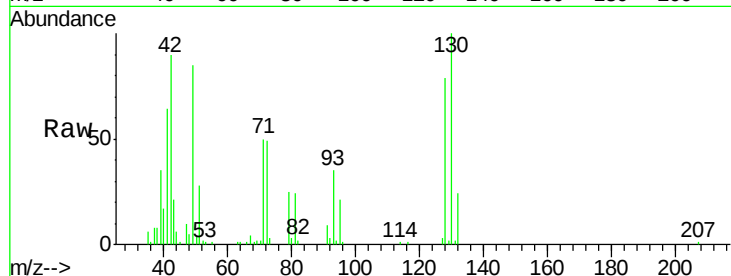
#29
Tetrahydrofuran
Concen: 256.652 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.3	43.2	64.8
71	53.3	39.4	59.0

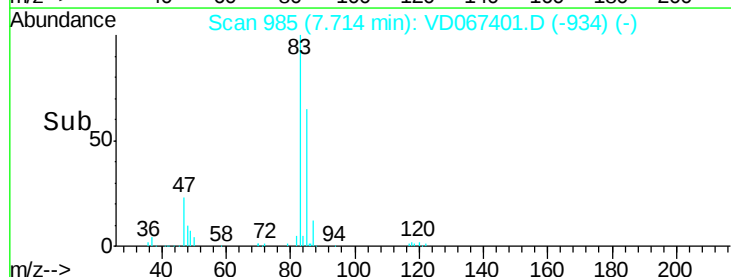
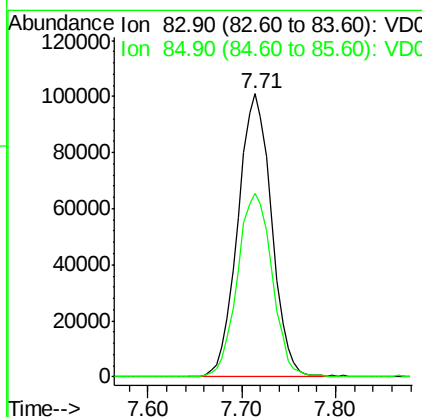
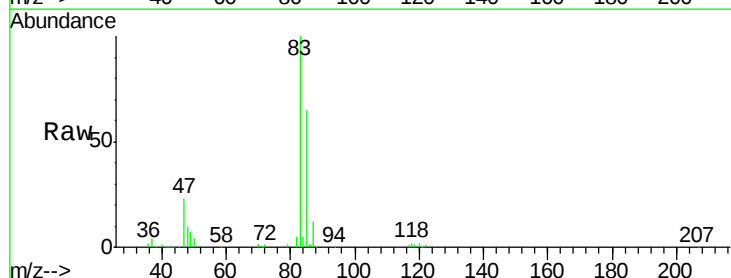
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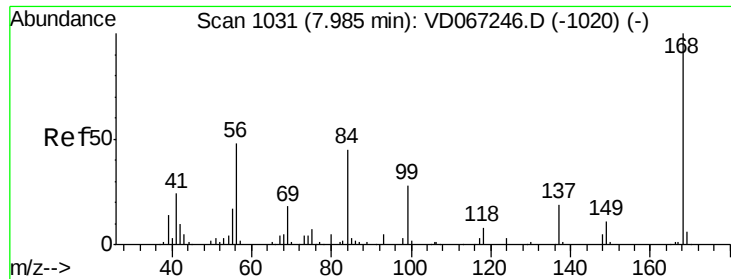
MMDadoda
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#30
Chloroform
Concen: 49.163 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	47.3	70.9





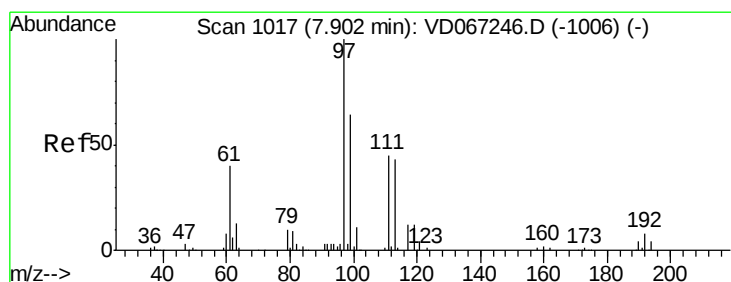
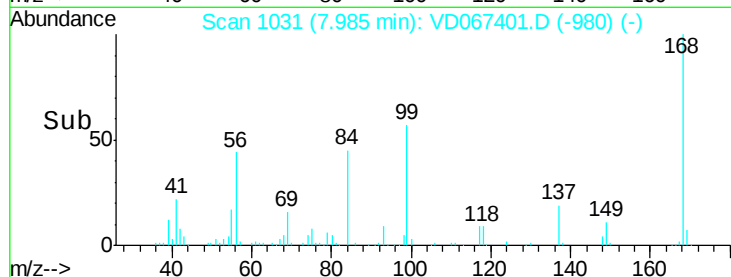
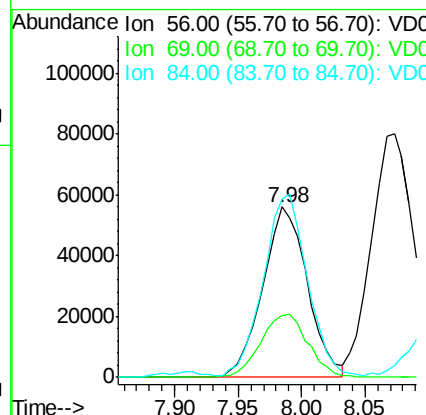
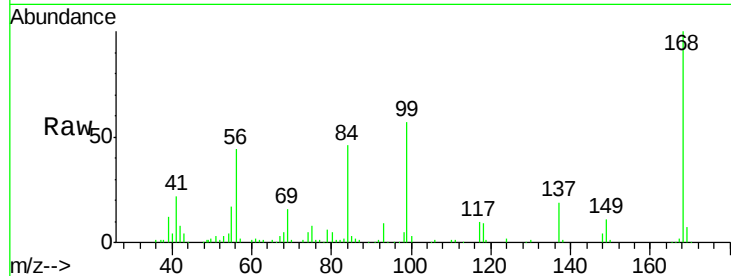
#31
Cyclohexane
Concen: 41.197 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	29.8	44.6
84	101.3	76.6	114.8

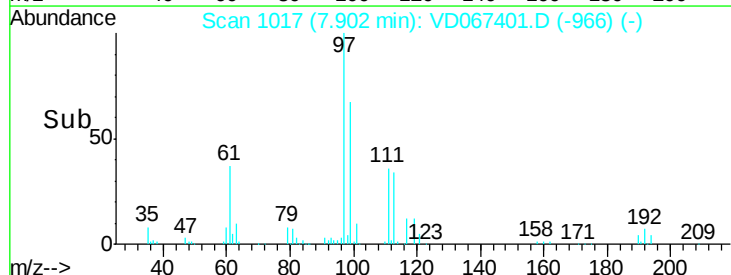
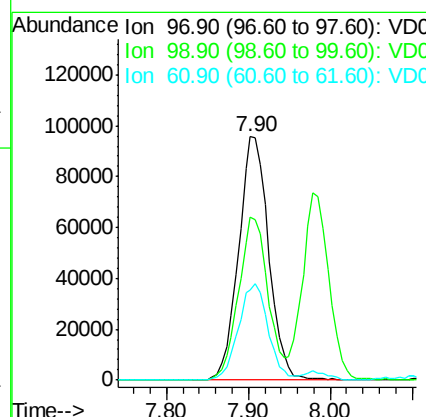
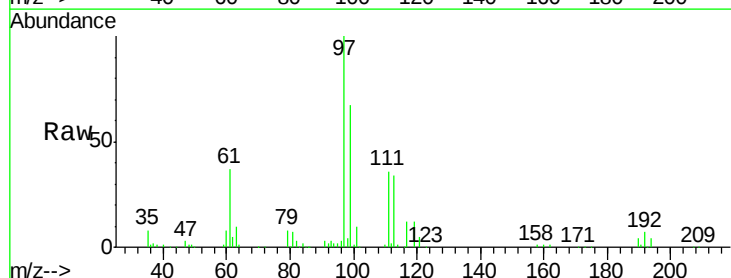
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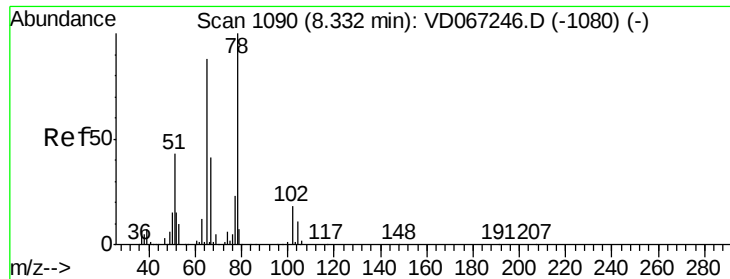
MMDadoda
10/27/2020 11:45:57 AM



#32
1,1,1-Trichloroethane
Concen: 48.849 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	50.2	75.4
61	39.0	30.5	45.7





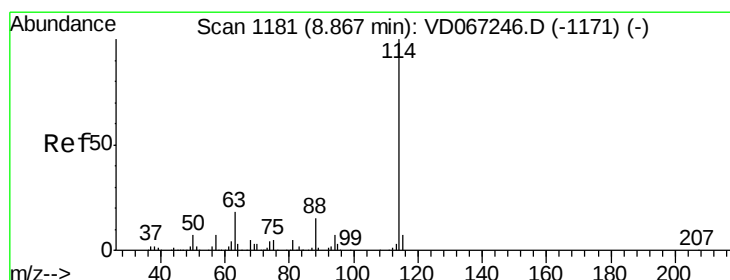
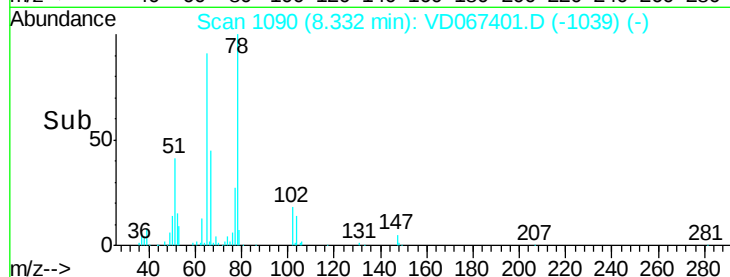
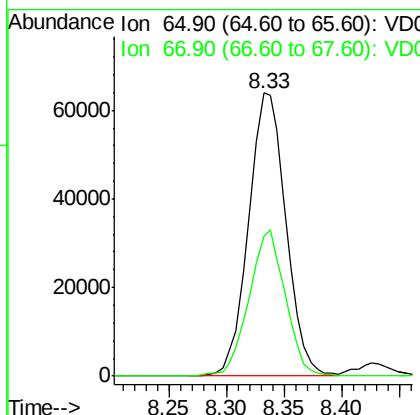
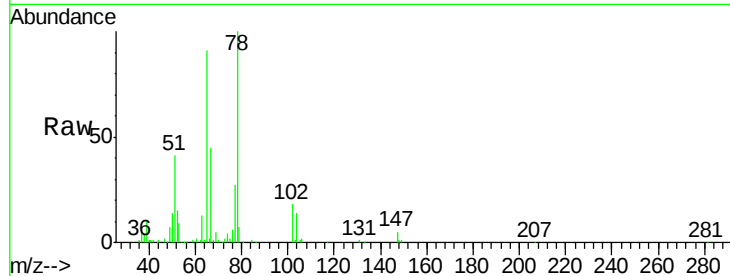
#33
 1,2-Dichloroethane-d4
 Concen: 49.750 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	103.8

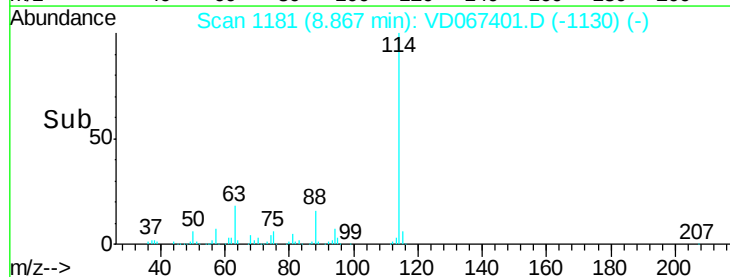
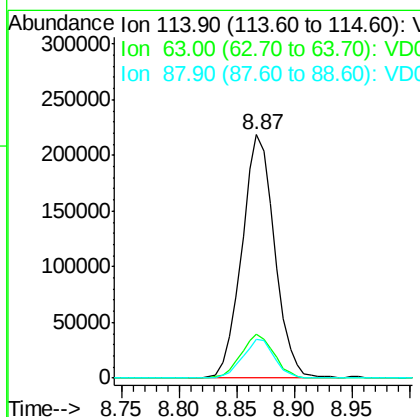
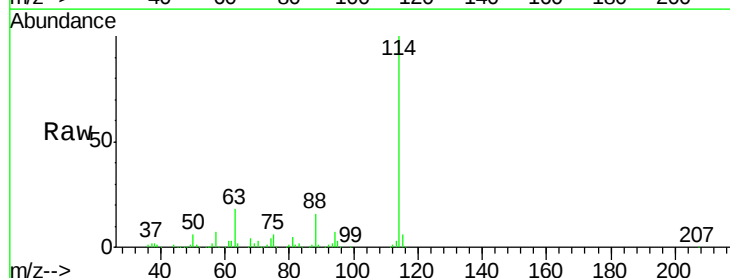
Manual Integrations
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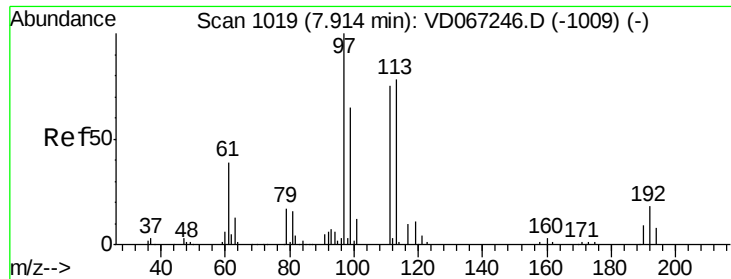
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	35.0
88	16.0	0.0	30.6





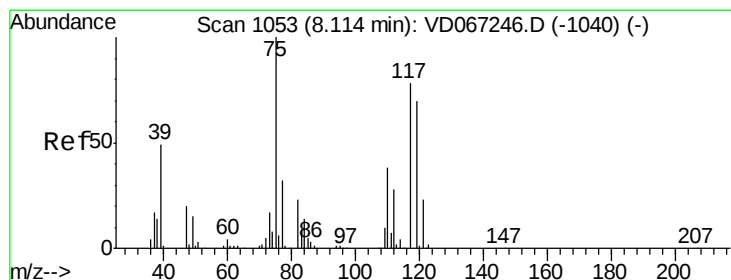
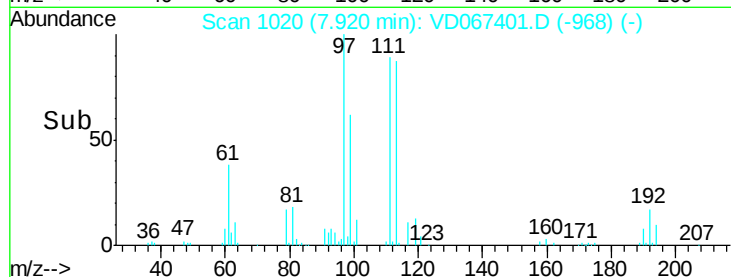
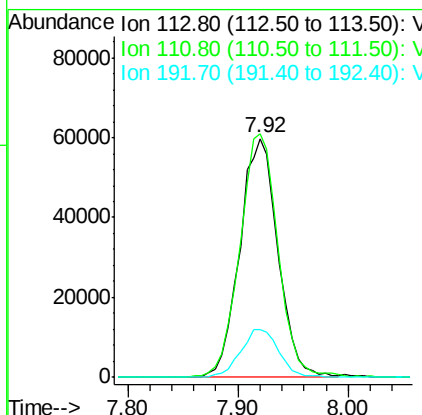
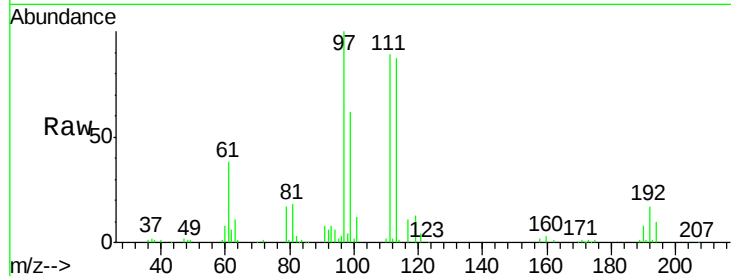
#35
Dibromofluoromethane
Concen: 50.586 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	145166		
111	102.6	81.6	122.4	
192	20.1	17.0	25.4	

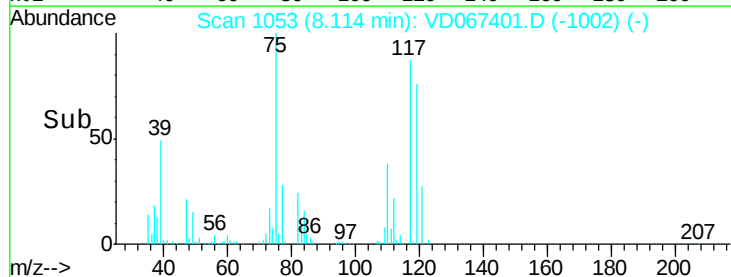
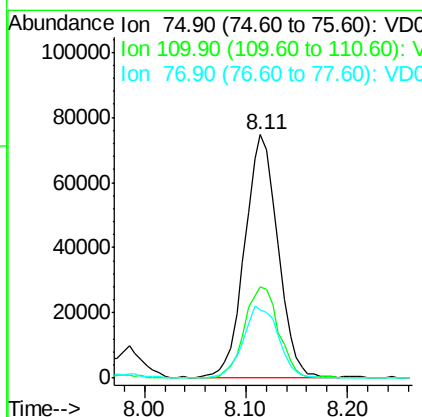
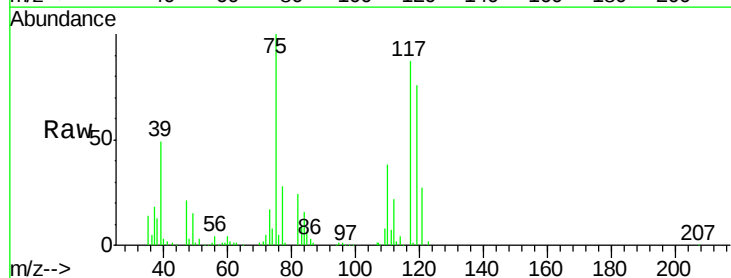
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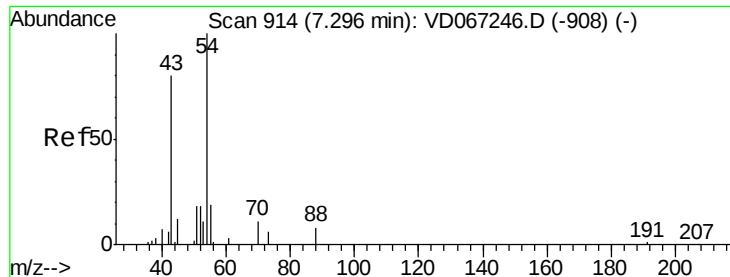
MMDadoda
10/27/2020 11:45:57 AM



#36
1,1-Dichloropropene
Concen: 46.268 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	169098		
110	39.0	19.6	58.7	
77	31.9	24.6	37.0	





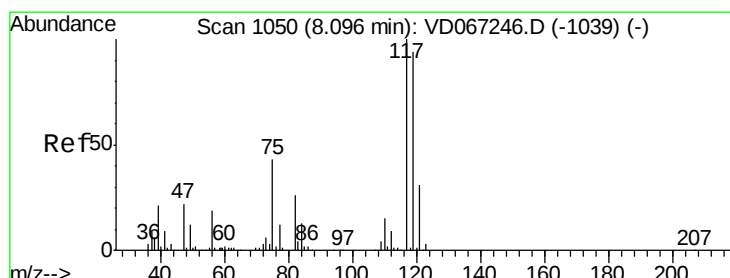
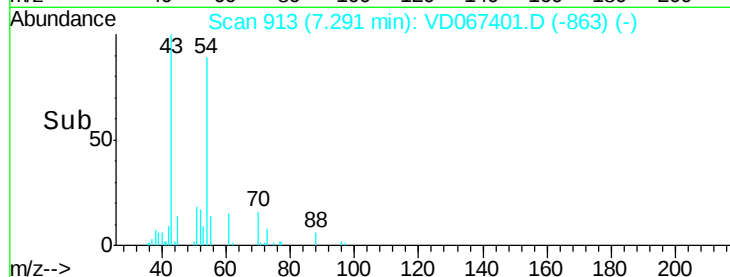
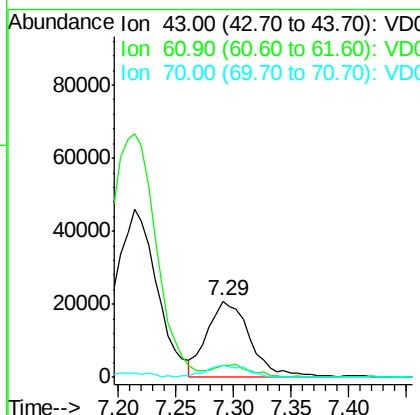
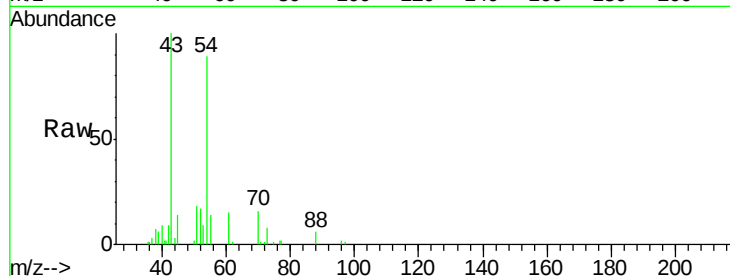
#37
Ethyl Acetate
Concen: 49.306 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	15.6	23.4#
70	15.8	10.4	15.6#

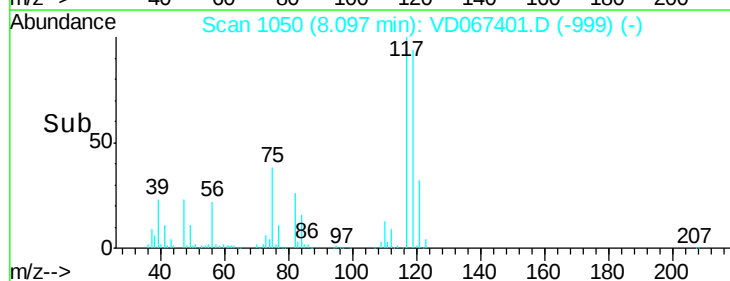
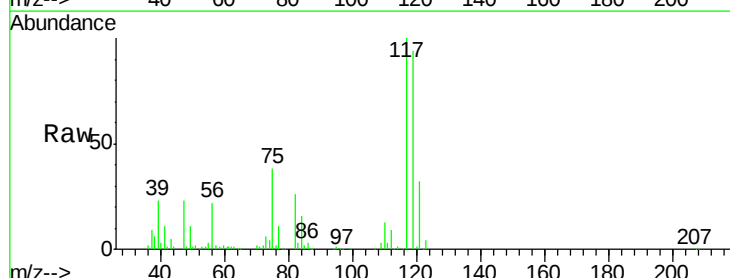
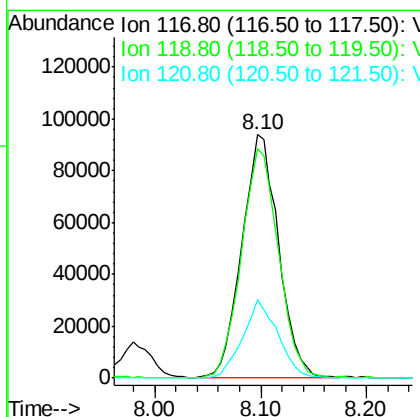
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 48.730 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.0	112.4
121	32.0	24.9	37.3





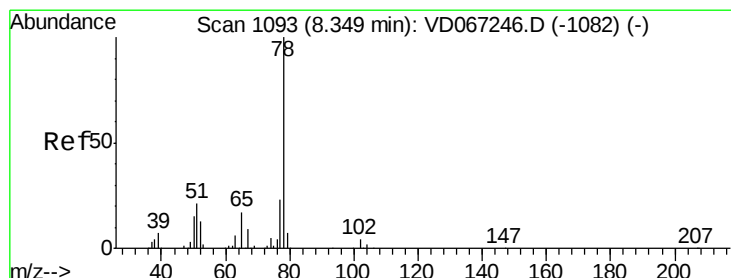
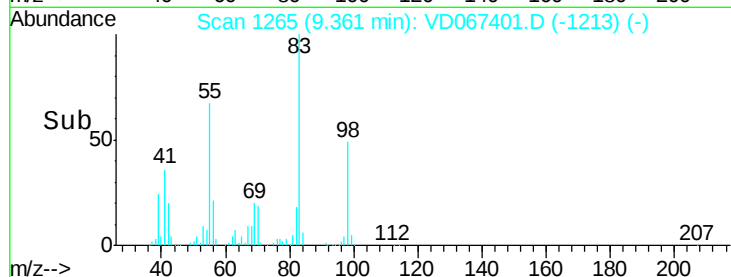
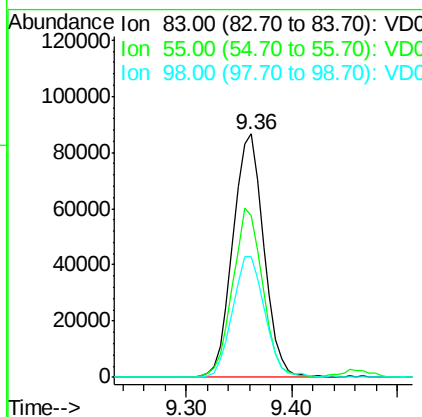
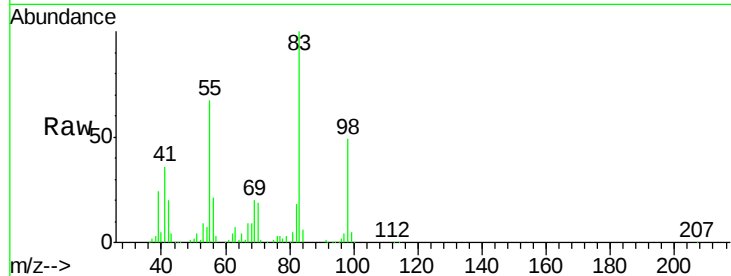
#39
Methvlcvclohexane
Concen: 46.058 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.7	53.3	79.9
98	49.5	41.0	61.4

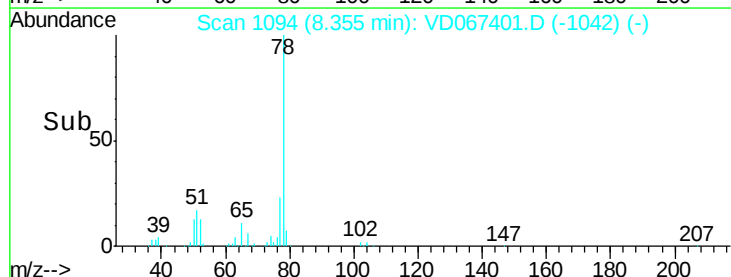
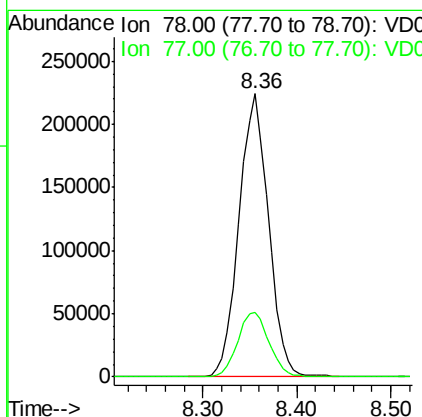
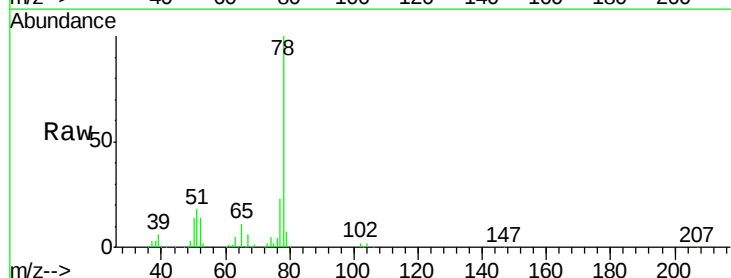
Manual Integrations
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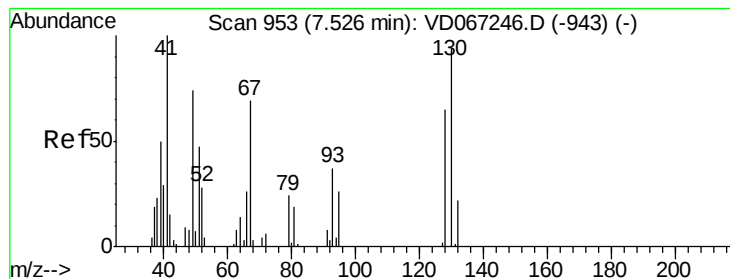
MMDadoda
10/27/2020 11:45:57 AM



#40
Benzene
Concen: 48.854 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.3	27.5





#41

Methacrylonitrile

Concen: 52.420 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 30460

Ion Ratio Lower Upper

41 100

39 55.3 60.0 90.0#

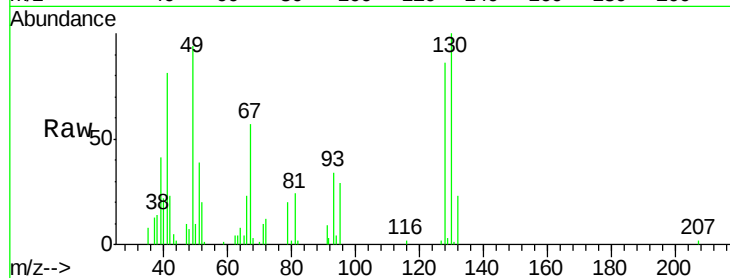
67 93.0 88.9 133.3

52 37.0 36.9 55.3

Manual Integrations
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MMDadoda

10/27/2020 11:45:57 AM

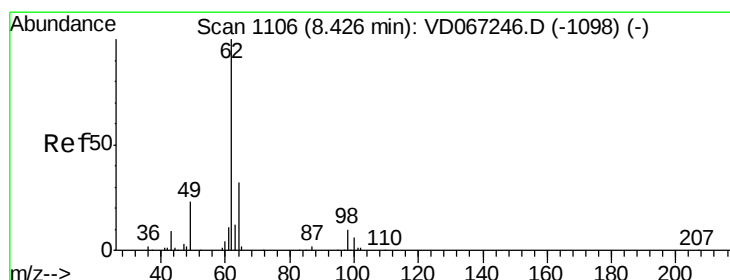
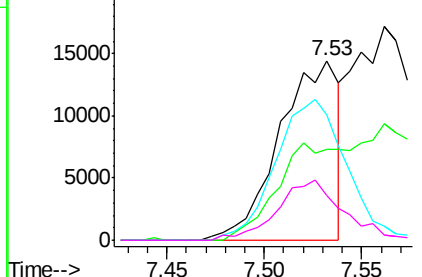
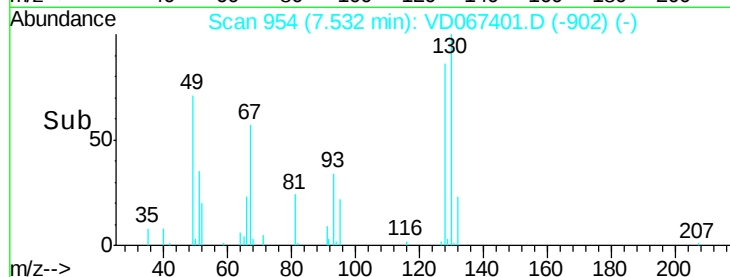


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.605 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067401.D

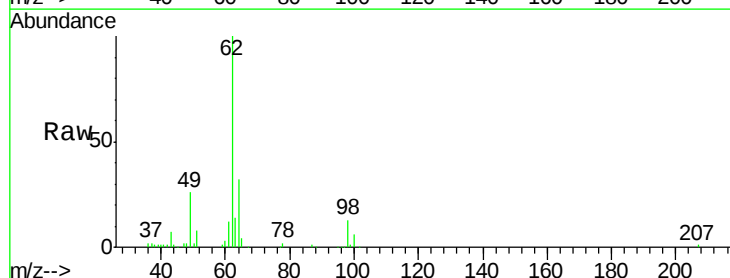
Acq: 26 Oct 2020 19:15

Tgt Ion: 62 Resp: 158787

Ion Ratio Lower Upper

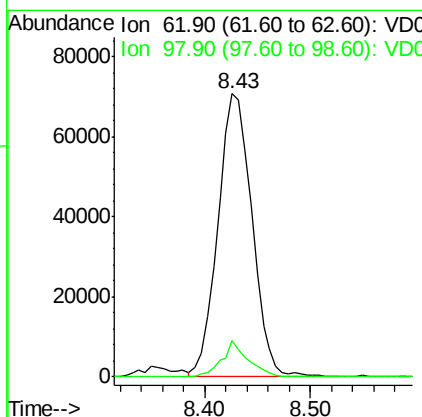
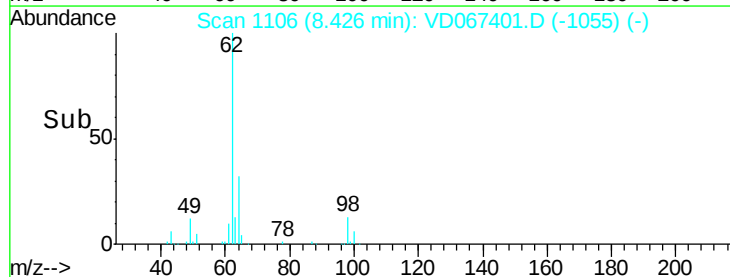
62 100

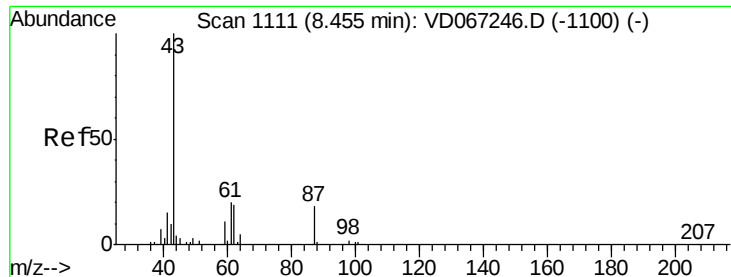
98 9.6 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 49.054 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

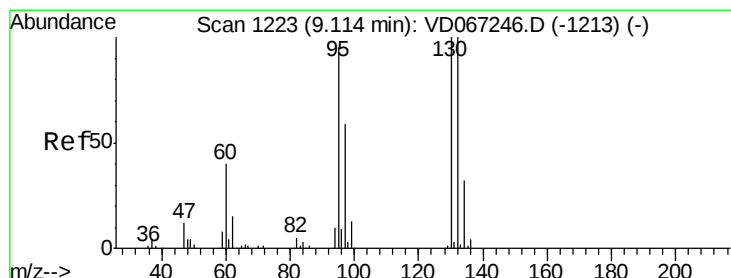
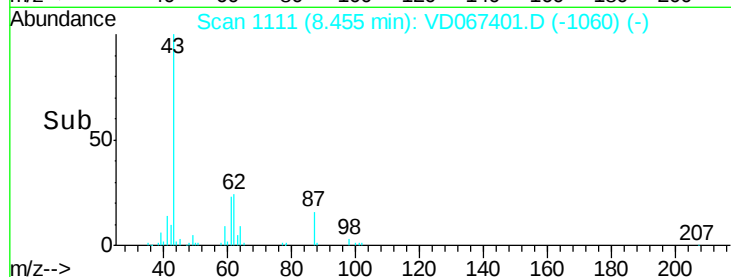
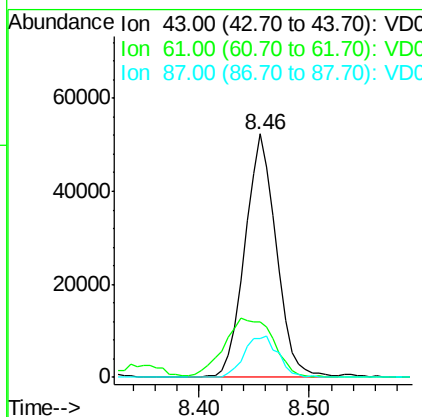
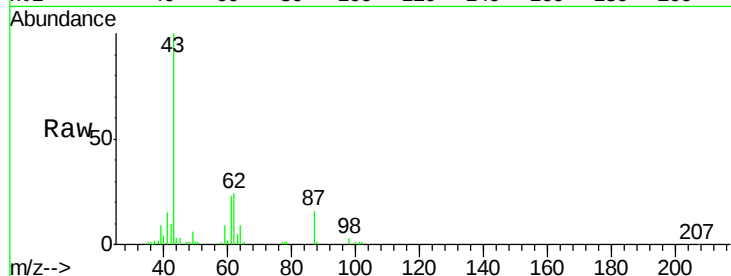
ClientSampleID :

VSTDCCC050EC

Tot Ion:	43	Resp:	104666
Ion Ratio		Lower	Upper
43	100		
61	0.0	29.5	44.3#
87	18.4	14.2	21.4

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#44

Trichloroethene

Concen: 49.375 ug/l

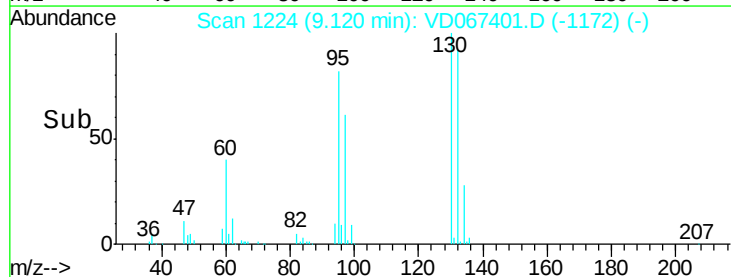
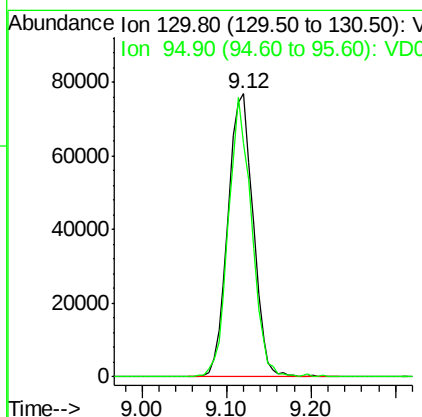
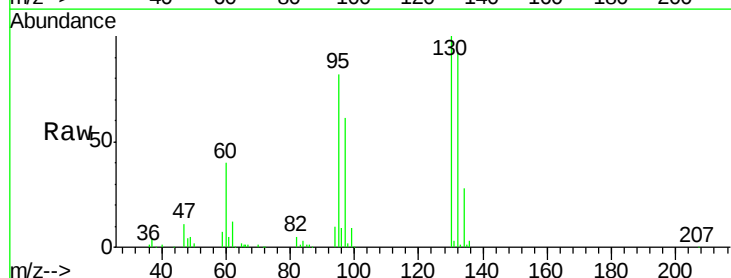
RT: 9.12 min Scan# 1224

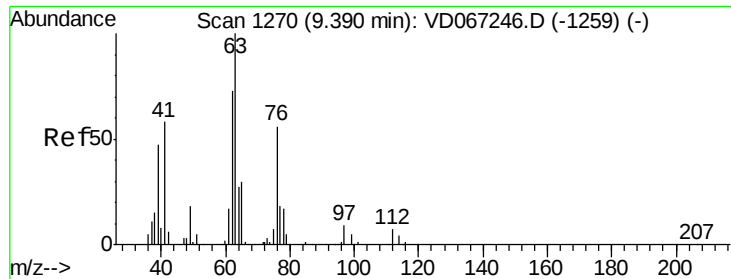
Delta R.T. 0.01 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Tgt Ion:	130	Resp:	158504
Ion Ratio		Lower	Upper
130	100		
95	82.3	0.0	190.6





#45

1,2-Dichloropropane

Concen: 49.737 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 115574

Ion Ratio Lower Upper

63 100

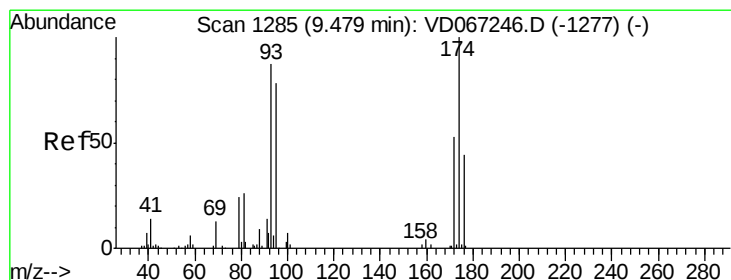
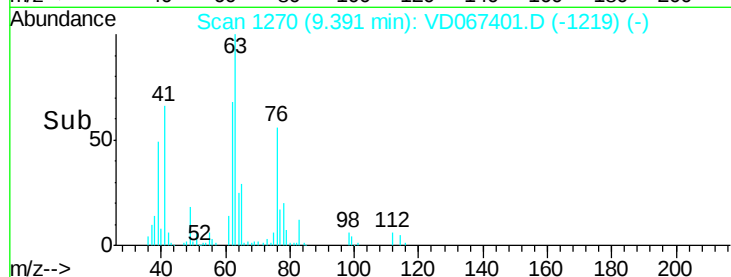
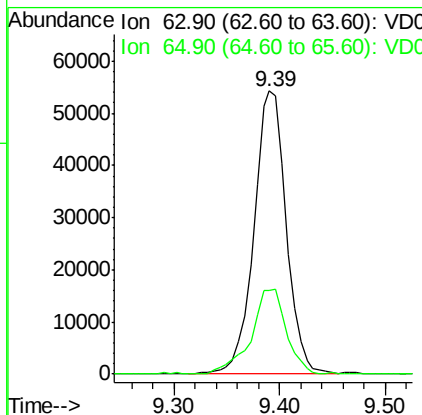
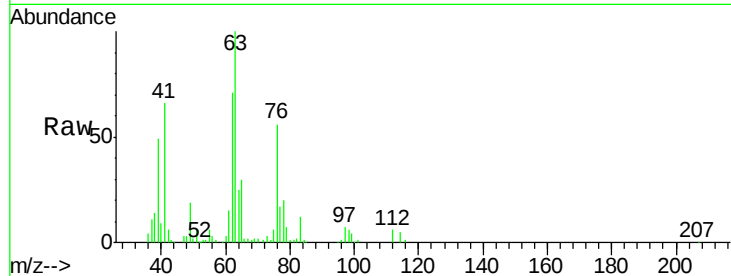
65 29.7 24.6 36.8

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#46

Dibromomethane

Concen: 49.406 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

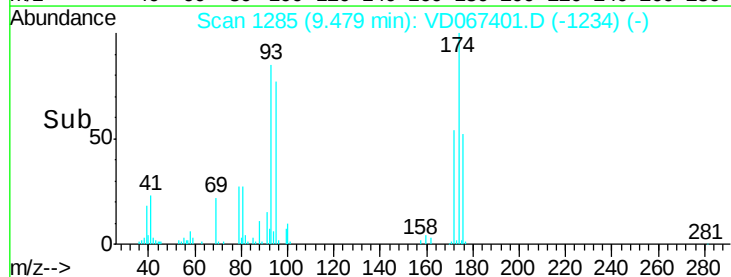
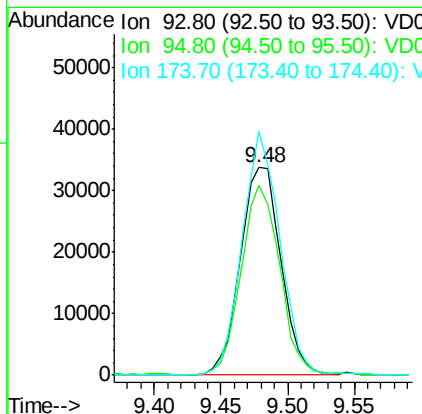
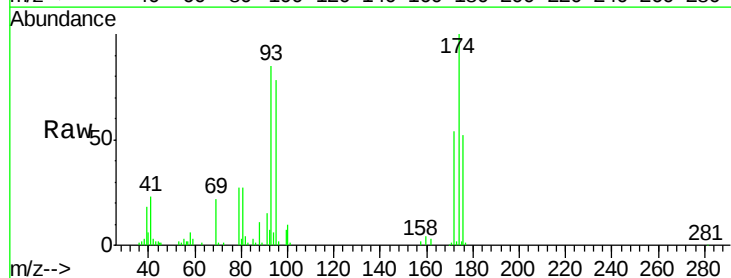
Tgt Ion: 93 Resp: 71530

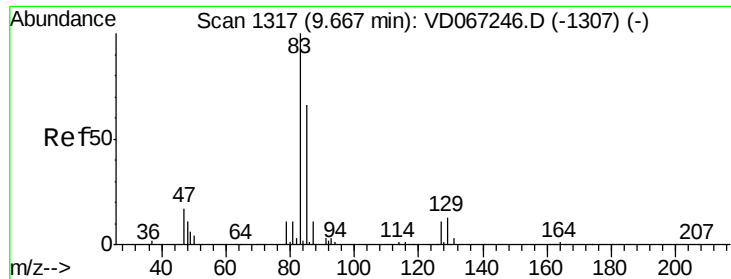
Ion Ratio Lower Upper

93 100

95 86.9 68.0 102.0

174 107.9 91.8 137.6





#47

Bromodichloromethane

Concen: 51.559 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

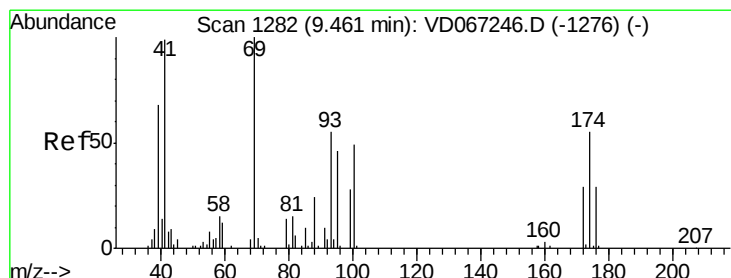
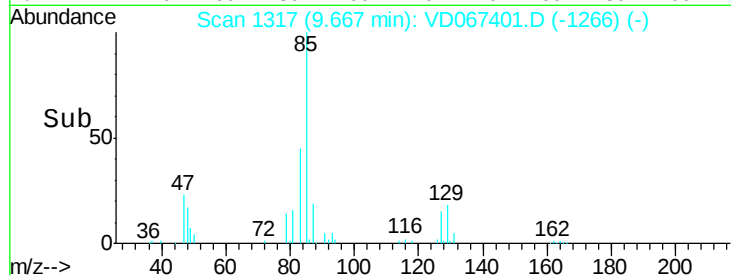
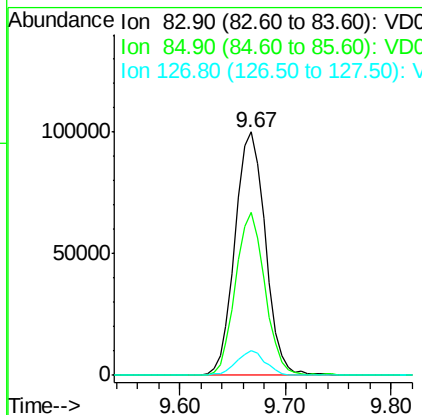
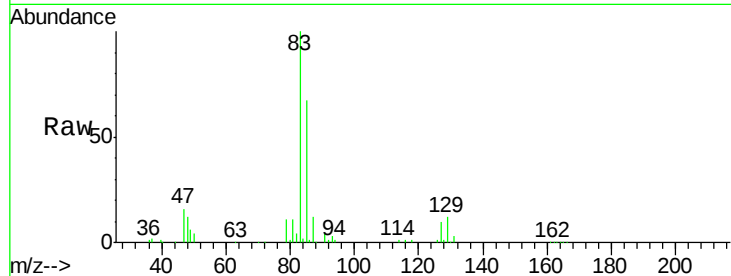
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	199995
Ion	Ratio	Lower	Upper
83	100		
85	67.0	53.1	79.7
127	10.2	8.6	13.0

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#48

Methyl methacrylate

Concen: 53.633 ug/l

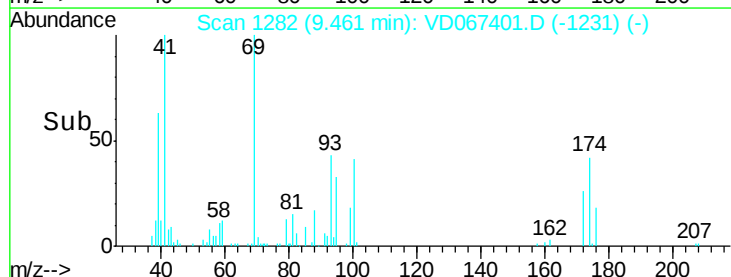
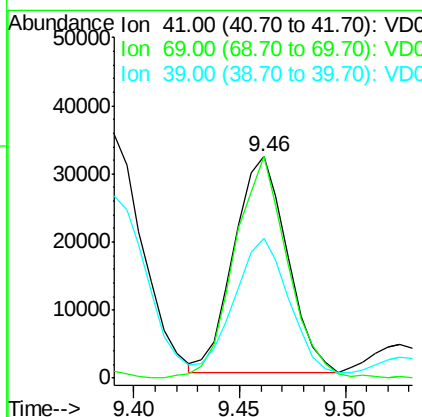
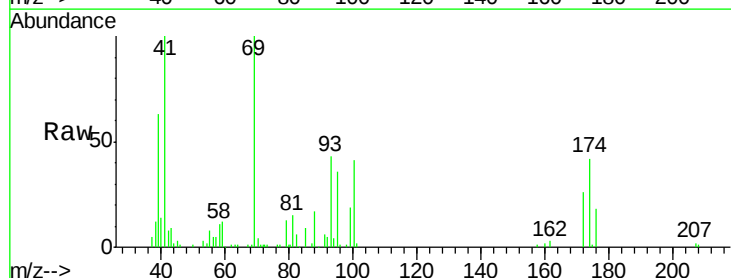
RT: 9.46 min Scan# 1282

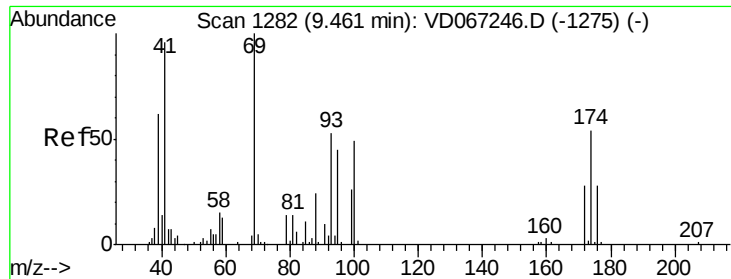
Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Tgt Ion:	41	Resp:	55612
Ion	Ratio	Lower	Upper
41	100		
69	102.2	89.0	133.6
39	68.7	60.2	90.2





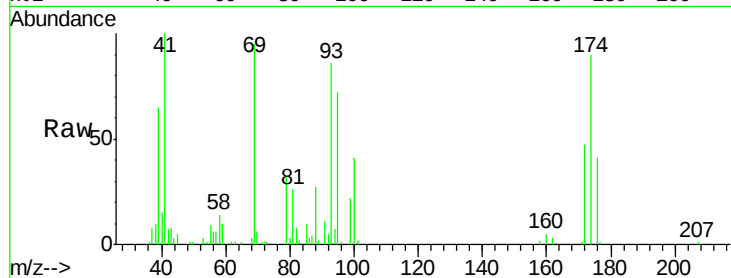
#49
1,4-Dioxane
Concen: 1041.391 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

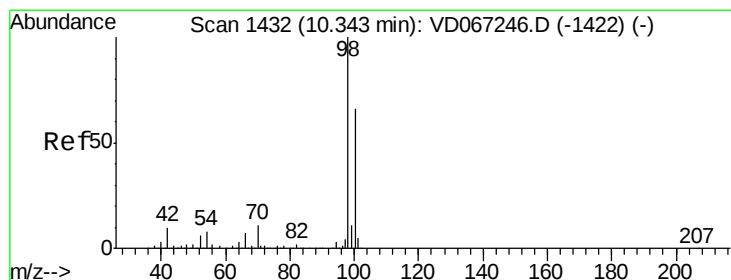
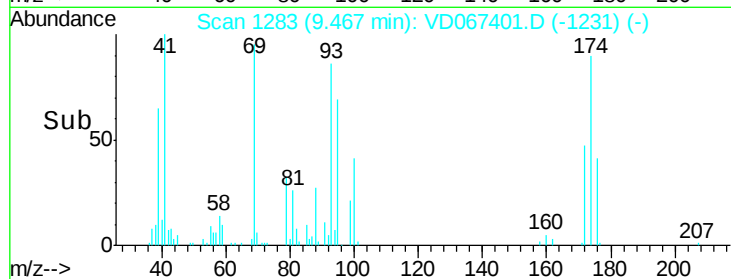
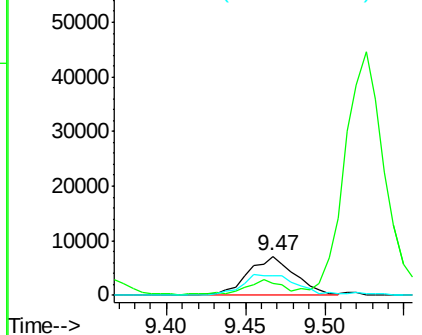
Tot Ion	88	Resp	14573
Ion	Ratio	Lower	Upper
88	100		
43	33.7	23.9	35.9
58	62.4	51.0	76.6

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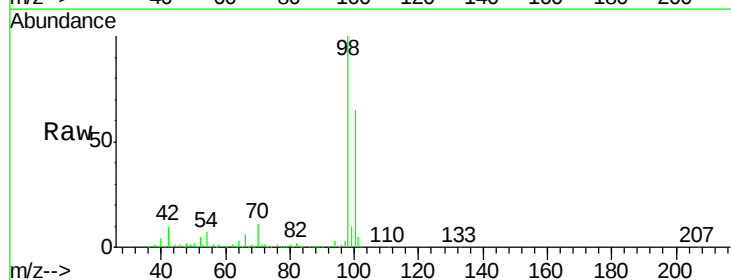


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

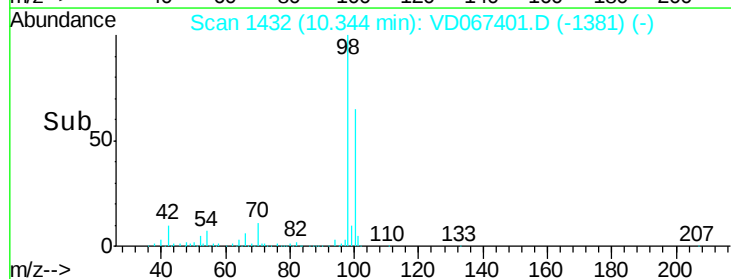
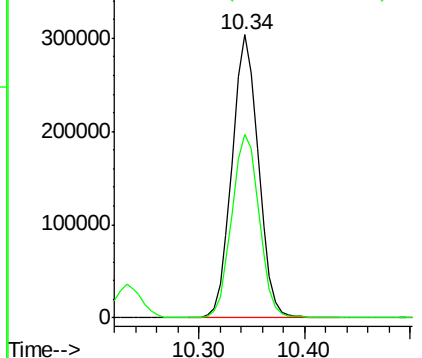


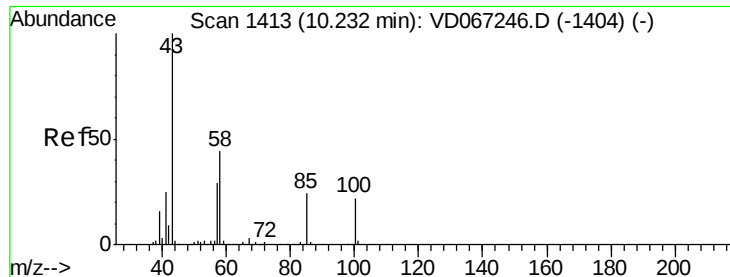
#50
Toluene-d8
Concen: 50.477 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	98	Resp	524211
Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.1	79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 260.234 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 276944

Ion Ratio Lower Upper

43 100

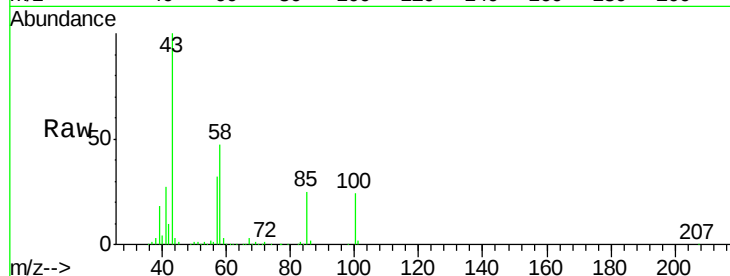
58 44.0 35.7 53.5

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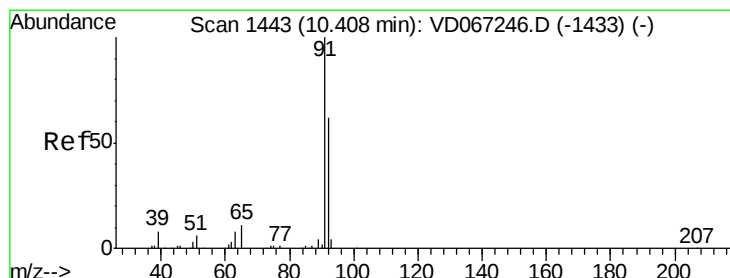
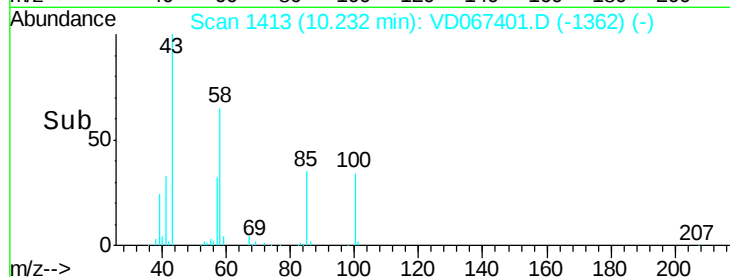
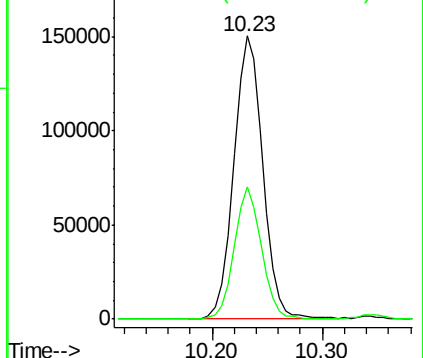
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 50.251 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067401.D

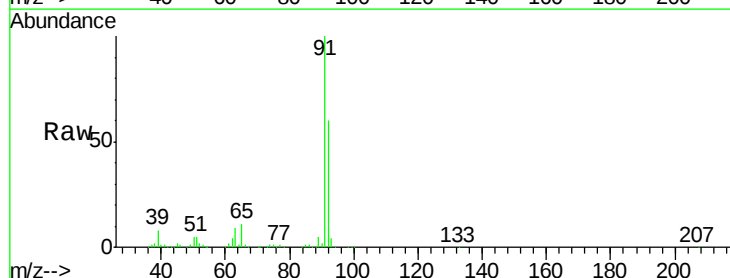
Acq: 26 Oct 2020 19:15

Tgt Ion: 92 Resp: 343164

Ion Ratio Lower Upper

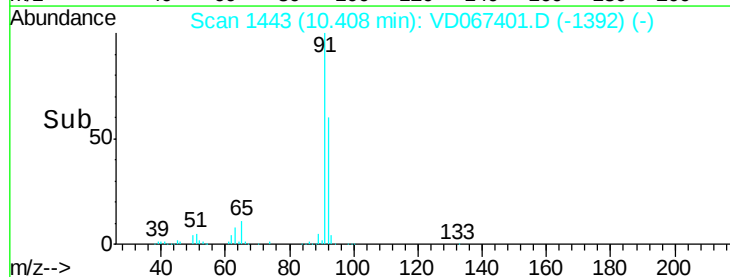
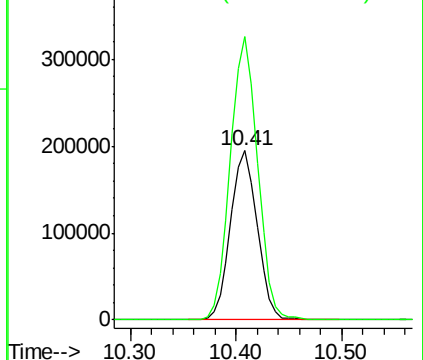
92 100

91 170.0 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





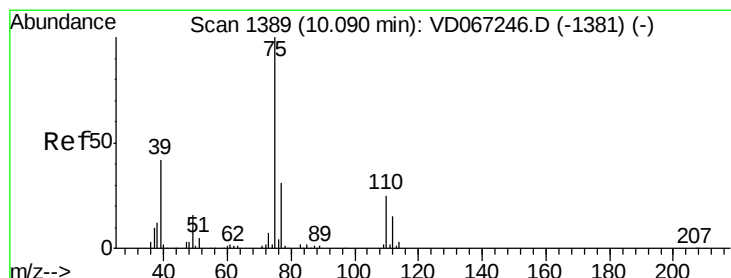
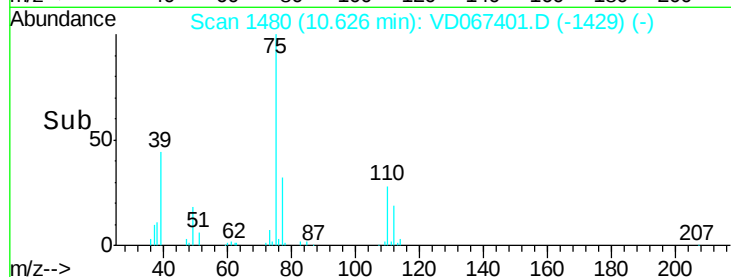
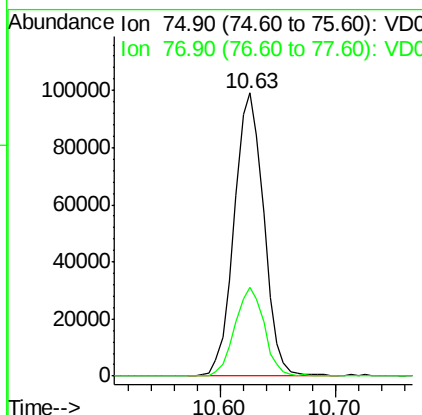
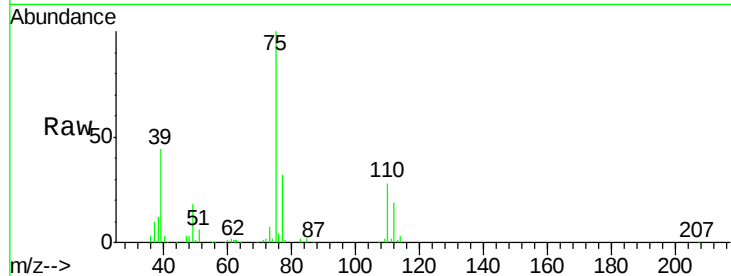
#53
t-1,3-Dichloropropene
Concen: 51.591 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.5	39.7

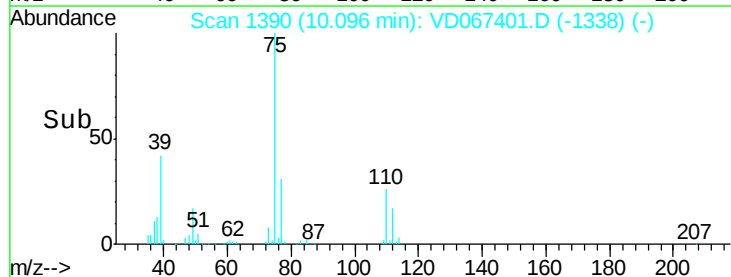
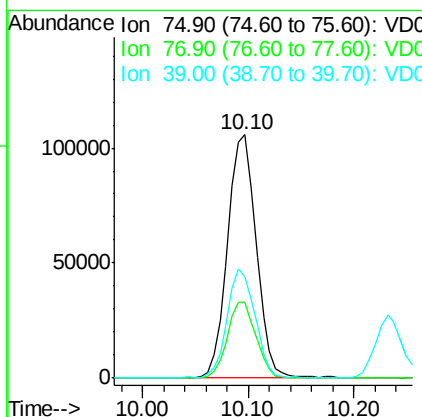
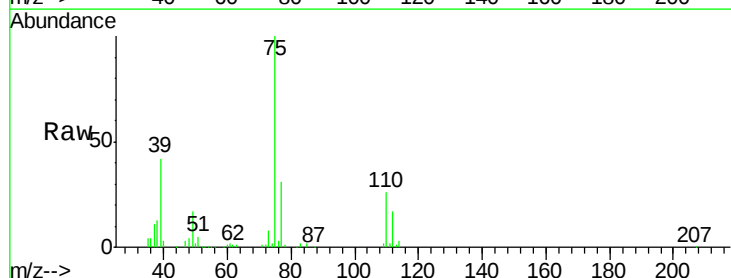
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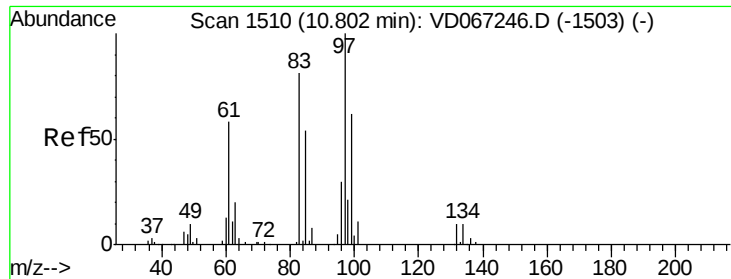
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#54
cis-1,3-Dichloropropene
Concen: 50.012 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.5	36.7
39	41.3	33.7	50.5





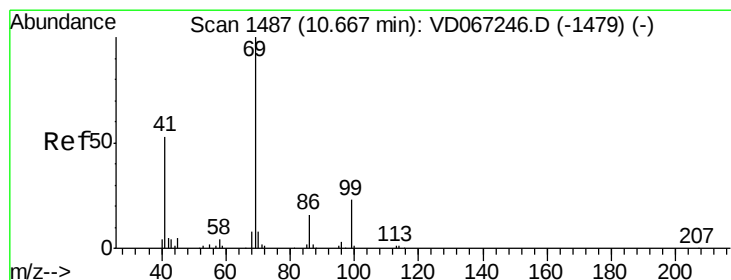
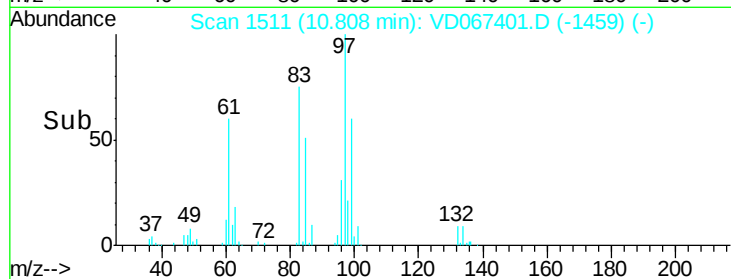
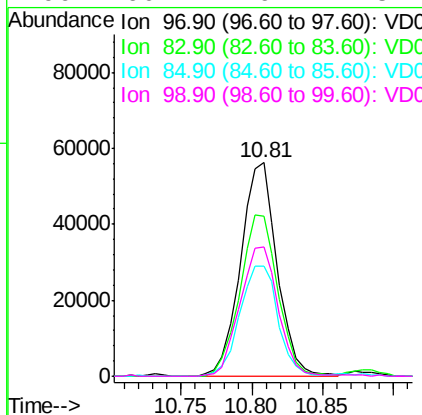
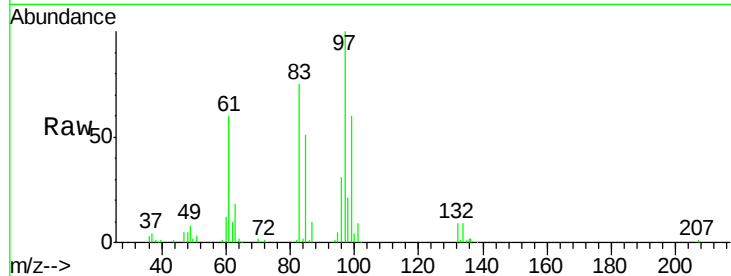
#55
 1,1,2-Trichloroethane
 Concen: 51.503 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	101680
Ion	Ratio	Lower	Upper
97	100		
83	75.0	64.9	97.3
85	51.4	43.3	64.9
99	60.4	49.1	73.7

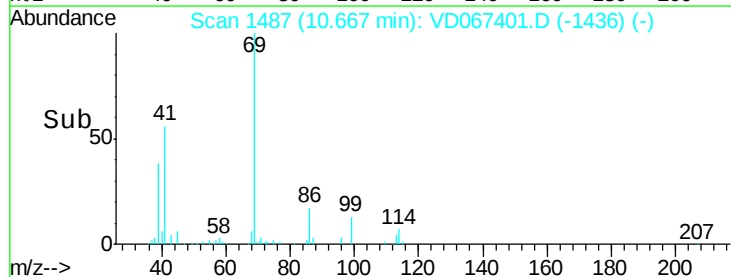
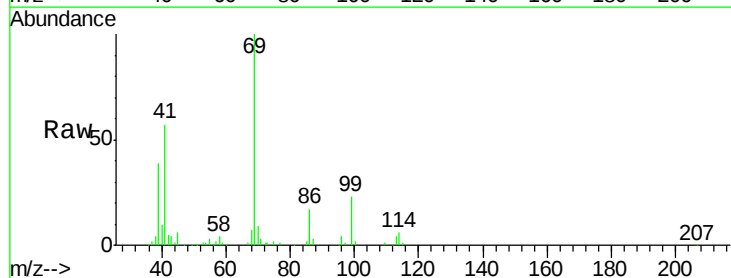
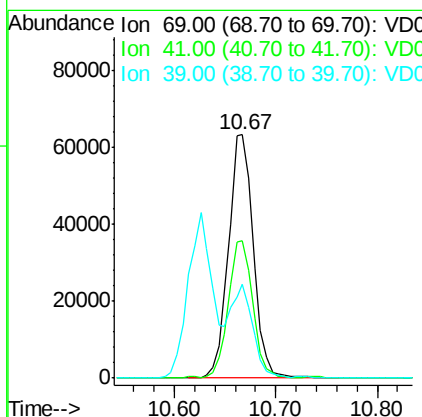
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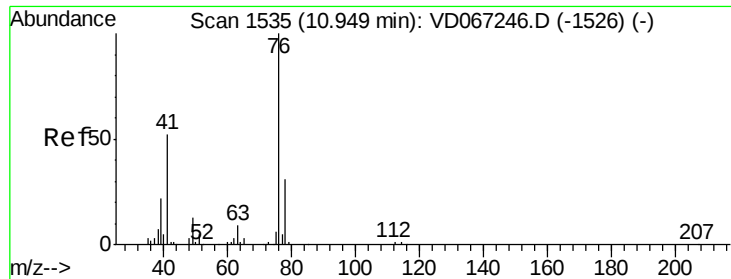
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#56
 Ethyl methacrylate
 Concen: 52.566 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Tgt Ion:	69	Resp:	107630
Ion	Ratio	Lower	Upper
69	100		
41	55.9	44.7	67.1
39	33.0	26.2	39.2





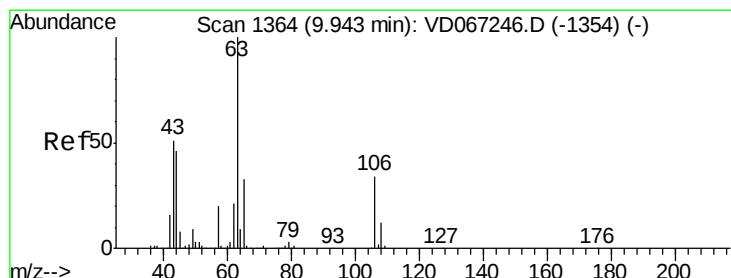
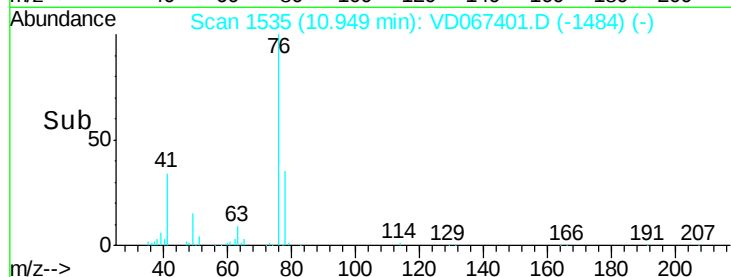
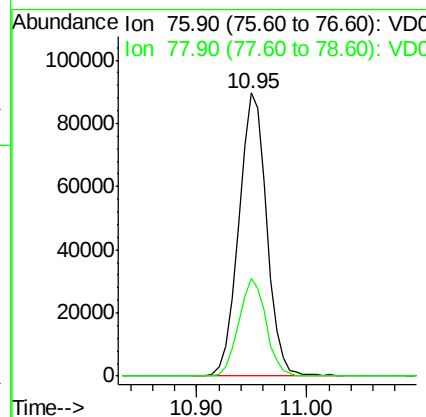
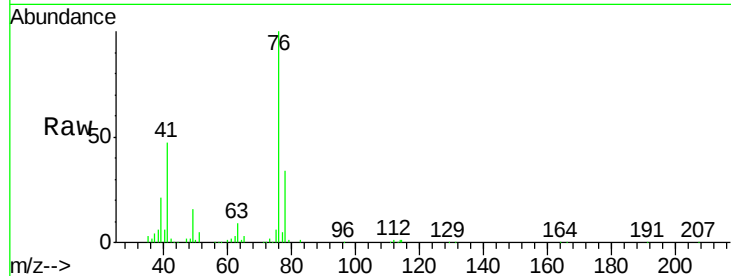
#57
 1,3-Dichloropropane
 Concen: 50.602 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 158986
 Ion Ratio Lower Upper
 76 100
 78 33.8 26.8 40.2

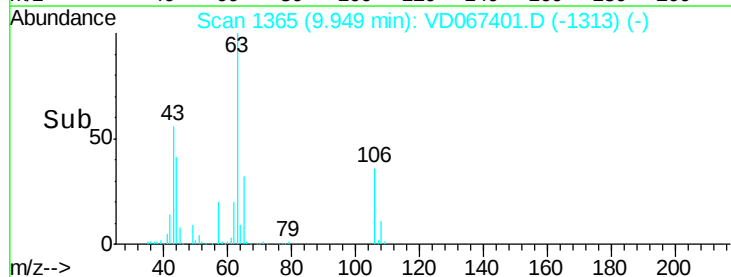
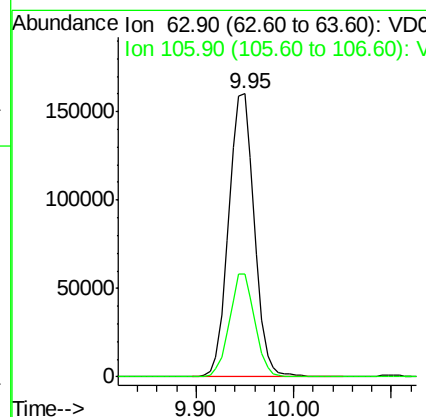
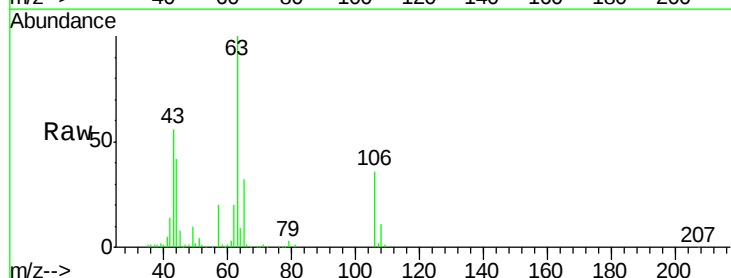
Manual Integrations
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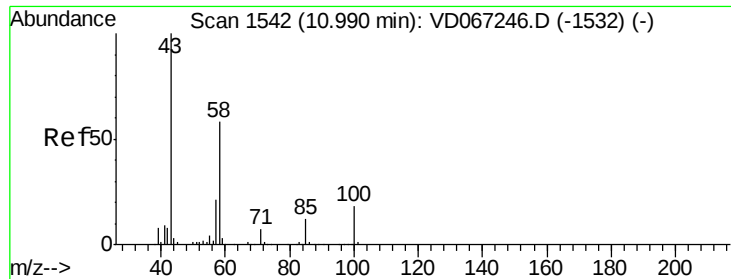
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#58
 2-Chloroethyl Vinyl ether
 Concen: 279.065 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Tgt Ion: 63 Resp: 293123
 Ion Ratio Lower Upper
 63 100
 106 35.5 27.8 41.6





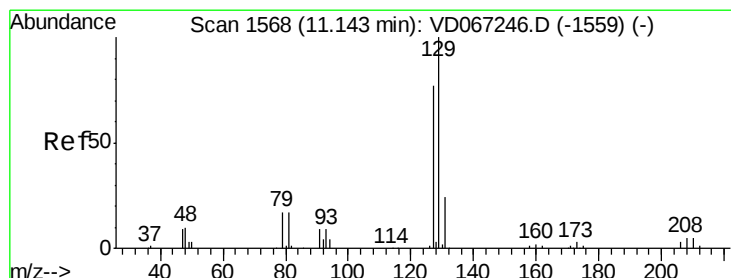
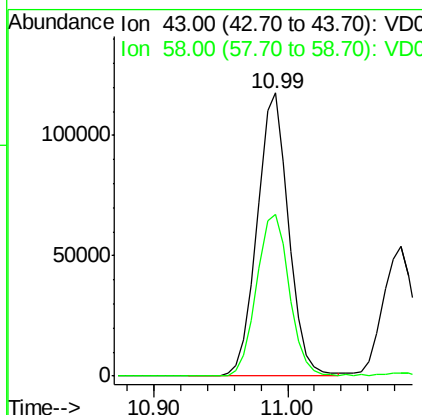
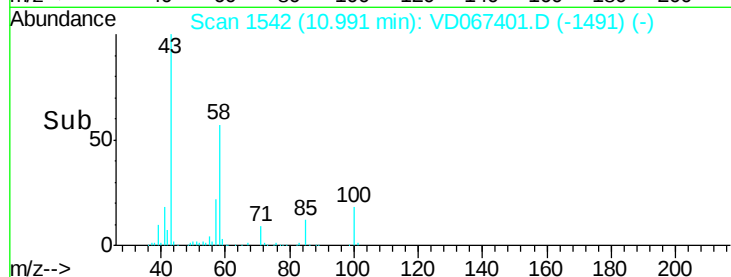
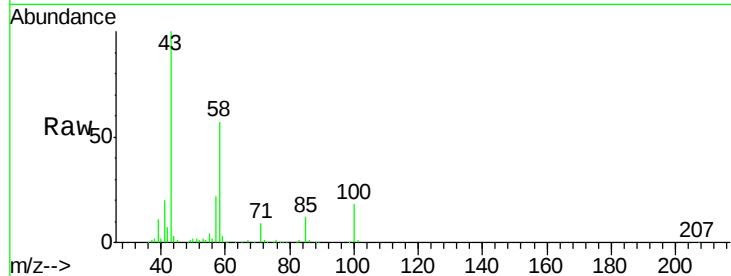
#59
2-Hexanone
Concen: 262.790 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 191103
Ion Ratio Lower Upper
43 100
58 59.5 29.3 87.9

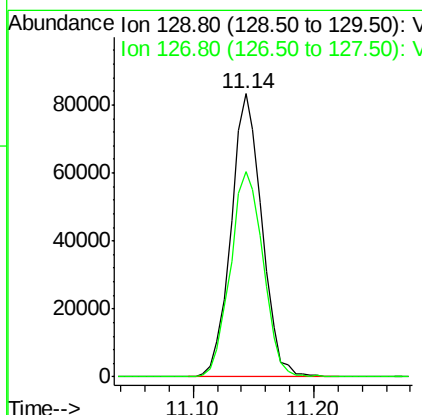
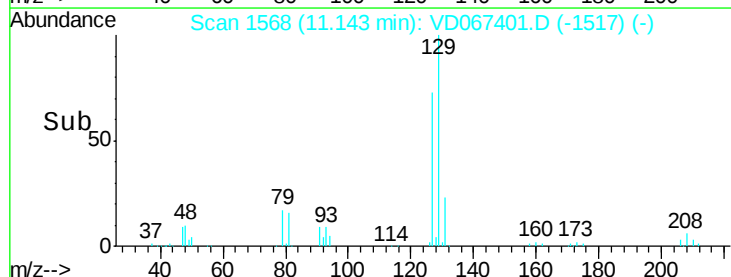
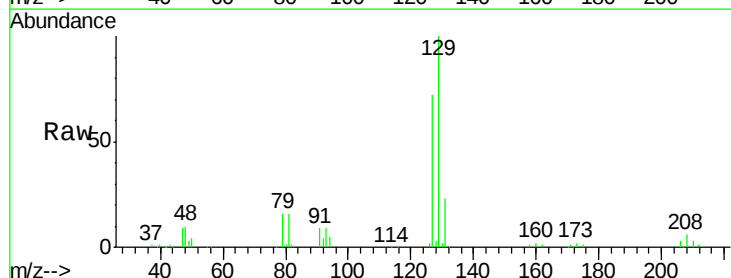
Manual Integrations
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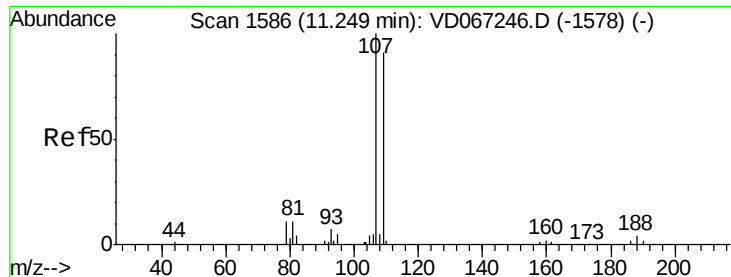
MMDadoda
10/27/2020 11:45:57 AM



#60
Dibromochloromethane
Concen: 51.339 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion: 129 Resp: 147815
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 50.428 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 98149

Ion Ratio Lower Upper

107 100

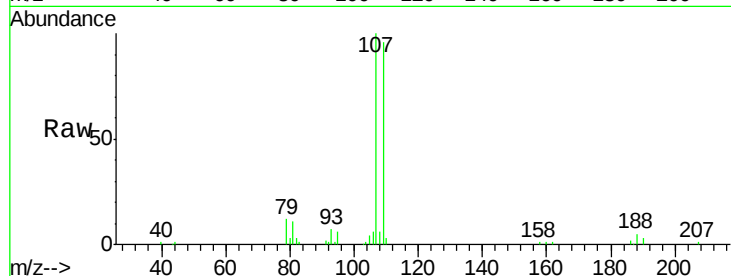
109 92.5 74.6 112.0

Manual Integrations

APPROVED

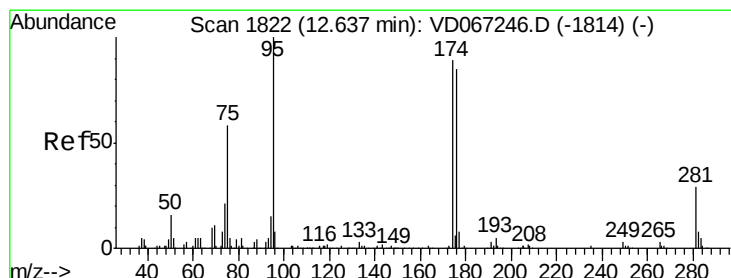
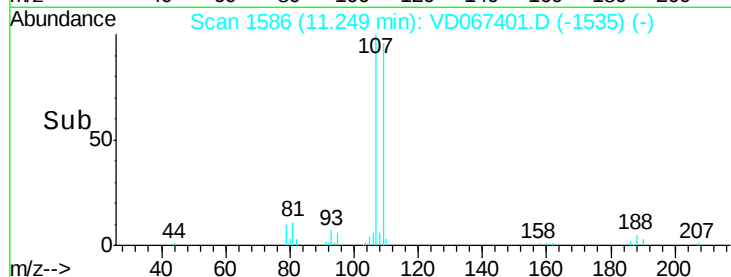
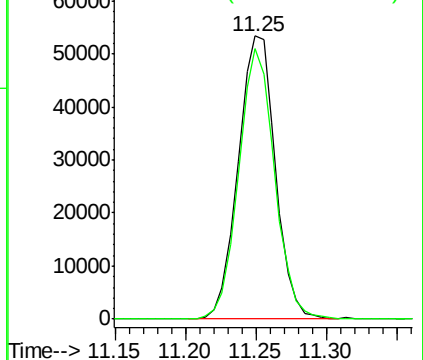
MMDadoda

10/27/2020 11:45:57 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.300 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

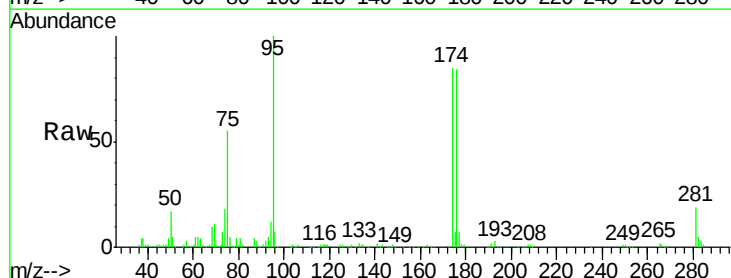
Tgt Ion: 95 Resp: 185252

Ion Ratio Lower Upper

95 100

174 87.5 0.0 175.2

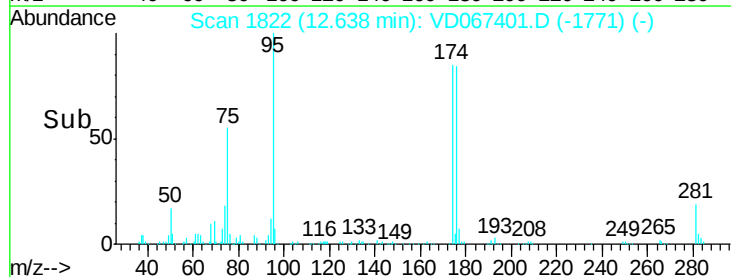
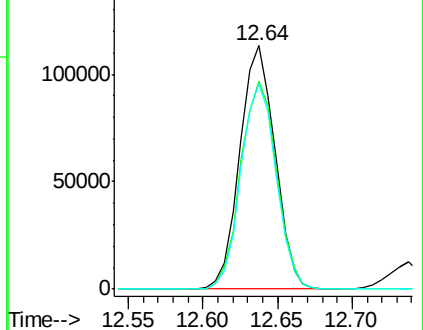
176 84.5 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





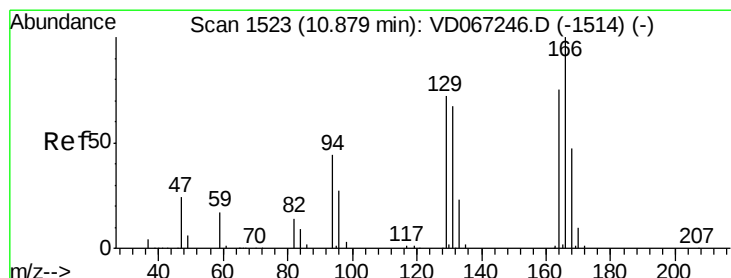
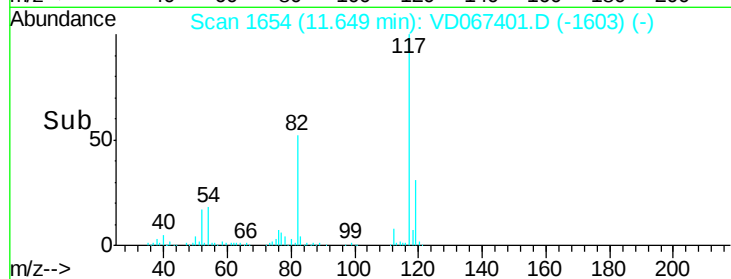
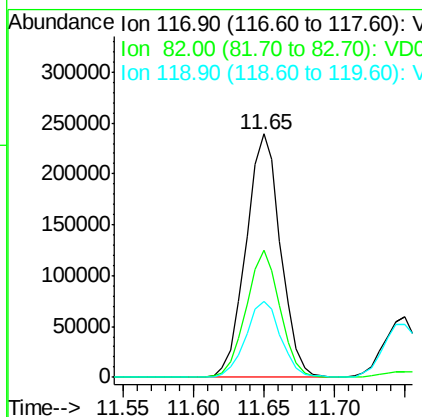
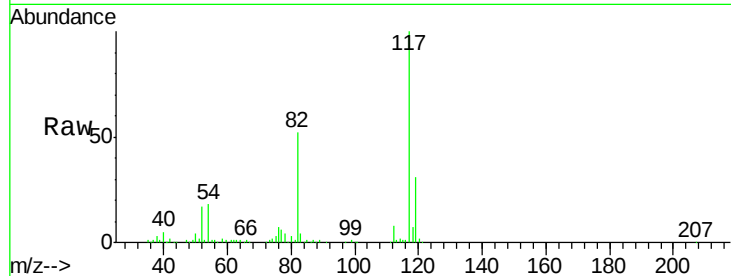
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	39.9	59.9
119	31.4	24.9	37.3

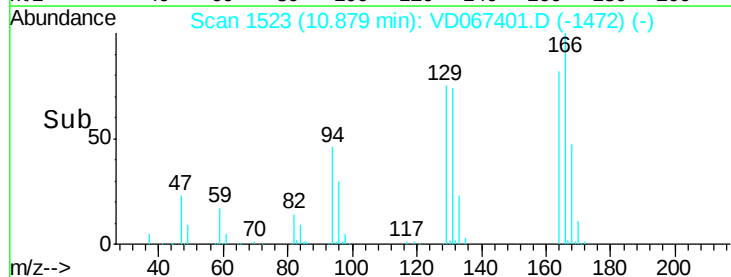
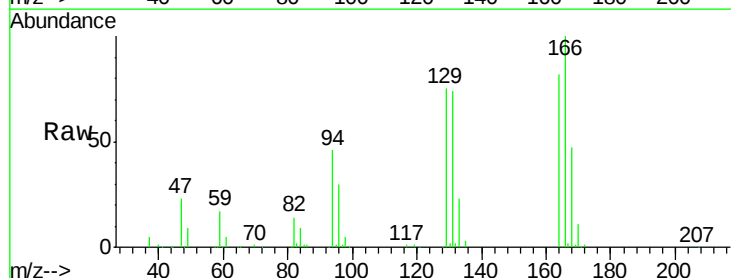
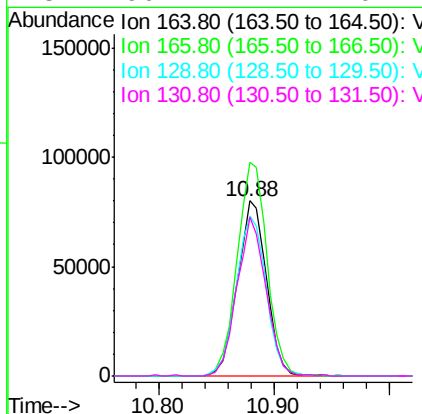
Manual Integrations
APPROVED

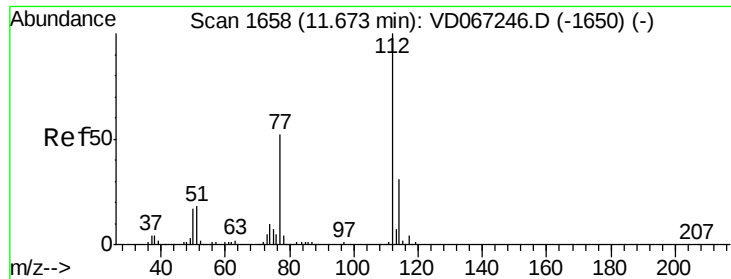
MMDadoda
10/27/2020 11:45:57 AM



#64
Tetrachloroethene
Concen: 46.684 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.1	107.3	160.9
129	91.8	77.3	115.9
131	90.4	71.4	107.2





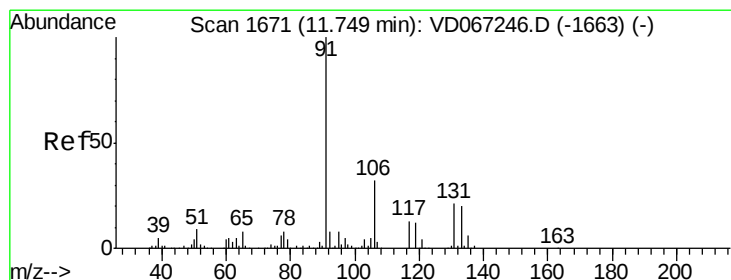
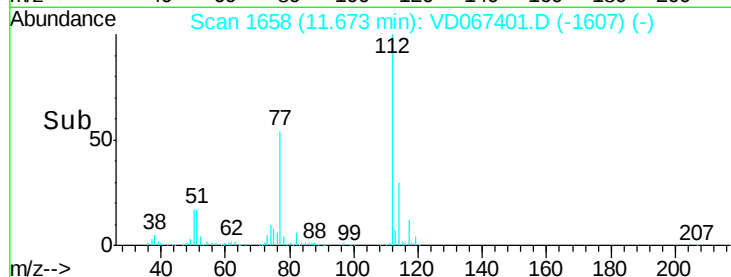
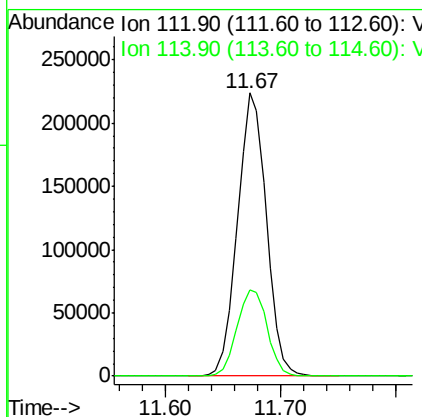
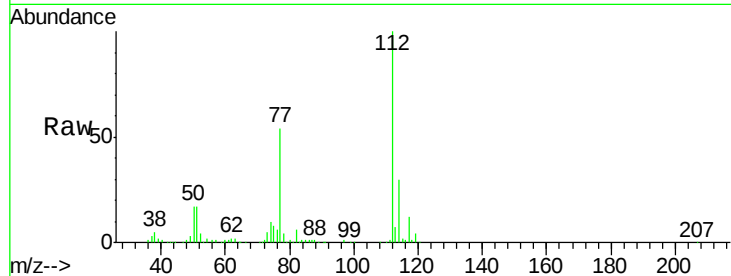
#65
Chlorobenzene
Concen: 49.187 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.4	25.0	37.4

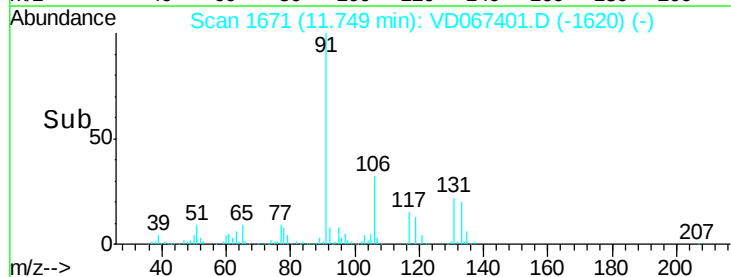
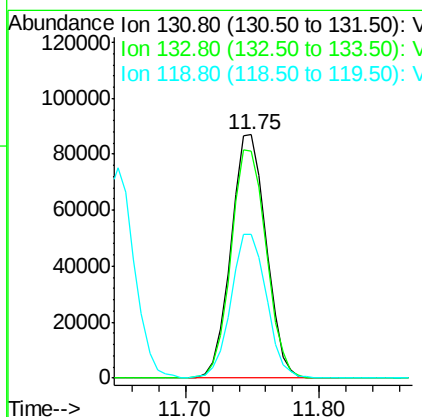
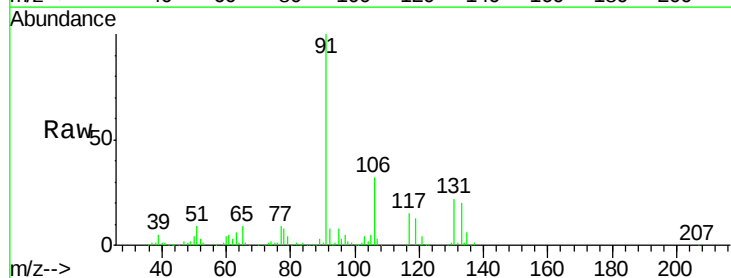
Manual Integrations
APPROVED

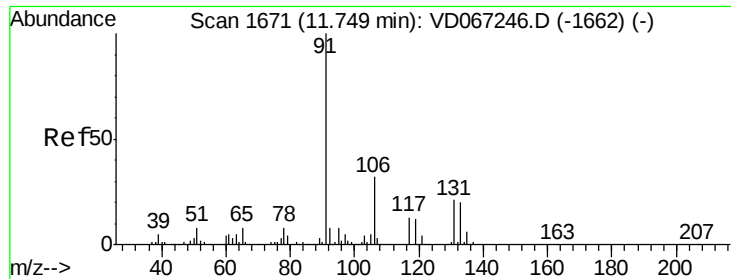
MMDadoda
10/27/2020 11:45:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.911 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.1	144.3
119	59.9	30.0	90.0





#67

Ethyl Benzene

Concen: 49.168 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 663335

Ion Ratio Lower Upper

91 100

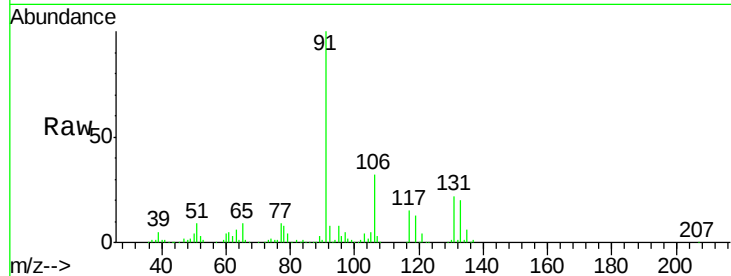
106 31.8 25.4 38.0

Manual Integrations

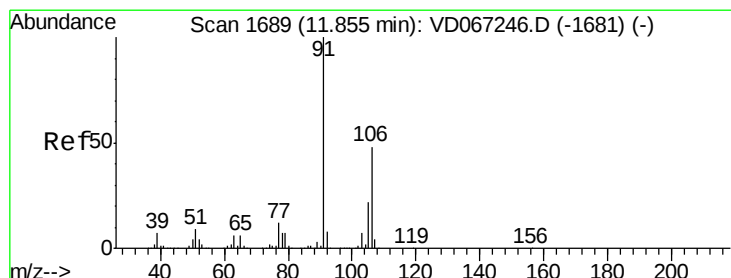
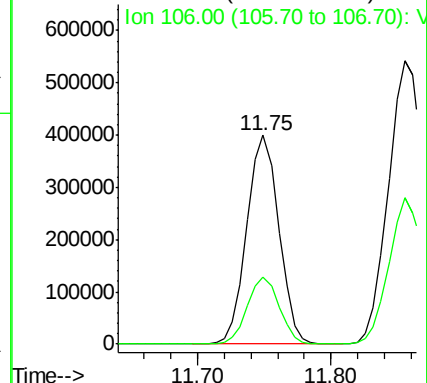
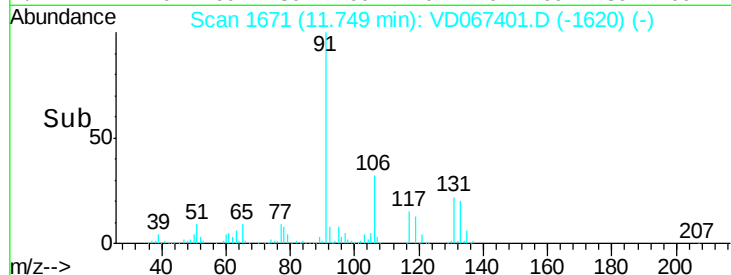
APPROVED

MMDadoda

10/27/2020 11:45:57 AM



Abundance Ion 91.00 (90.70 to 91.70): VD067401.D (-1620) (-)



#68

m/p-Xylenes

Concen: 100.558 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067401.D

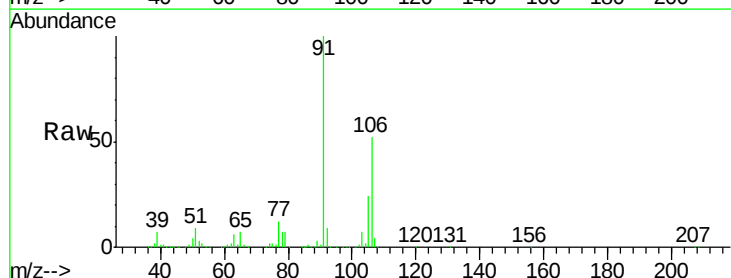
Acq: 26 Oct 2020 19:15

Tgt Ion: 106 Resp: 522425

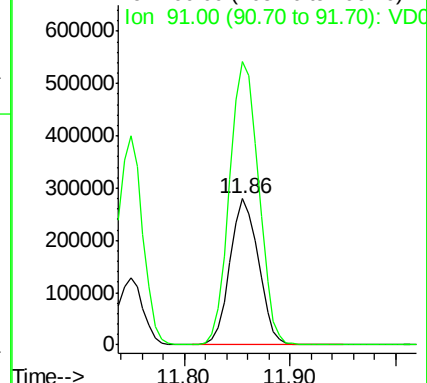
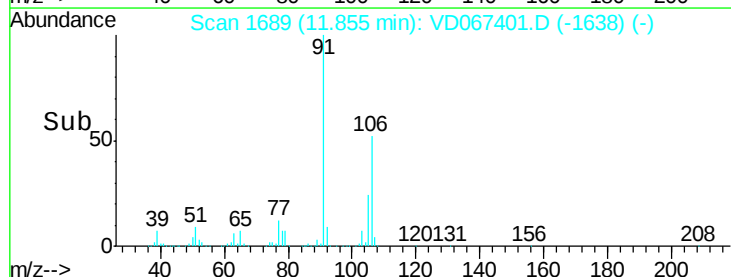
Ion Ratio Lower Upper

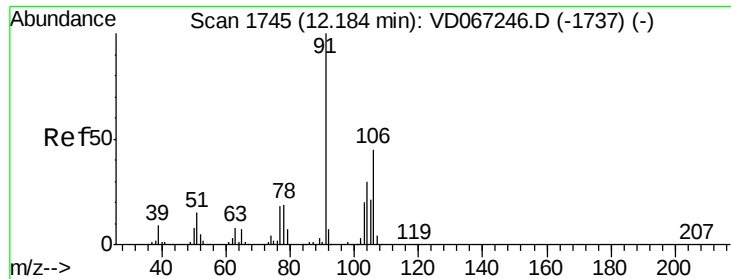
106 100

91 198.3 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): VD067401.D (-1638) (-)





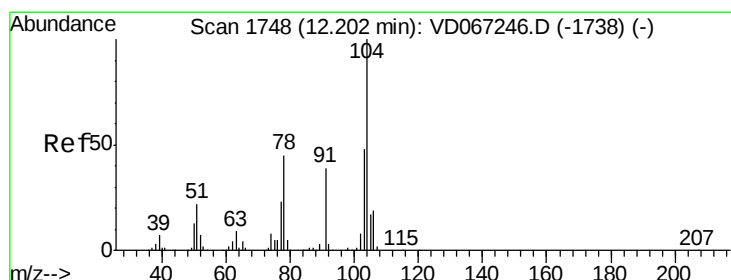
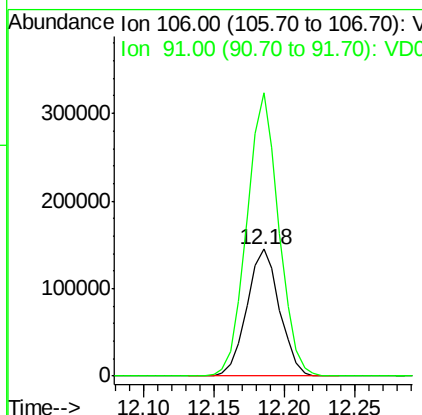
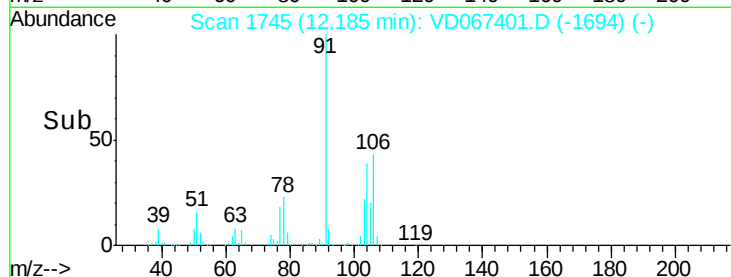
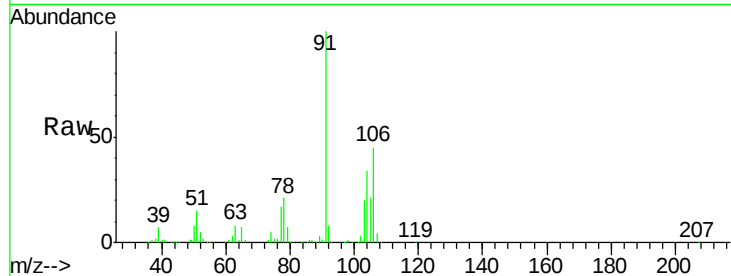
#69
o-Xylene
Concen: 49.101 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.6	109.1	327.3

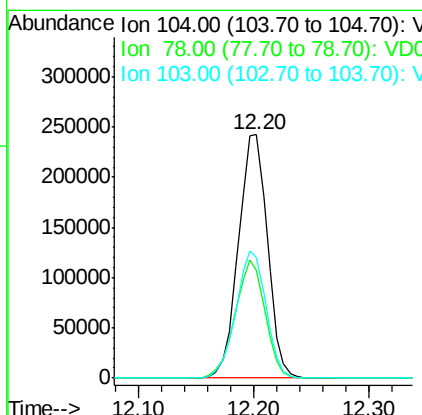
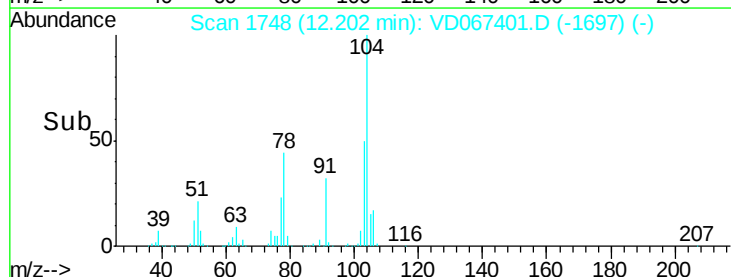
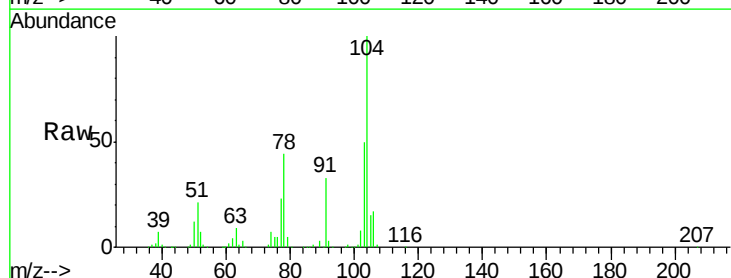
Manual Integrations
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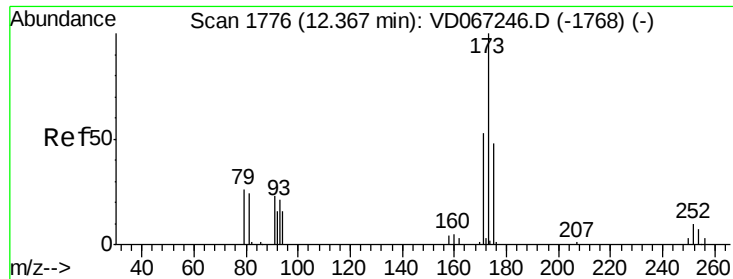
MMDadoda
10/27/2020 11:45:57 AM



#70
Styrene
Concen: 51.048 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.9	39.8	59.6
103	54.1	42.6	64.0





#71

Bromoform

Concen: 50.502 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 84867

Ion Ratio Lower Upper

173 100

175 49.4 24.2 72.6

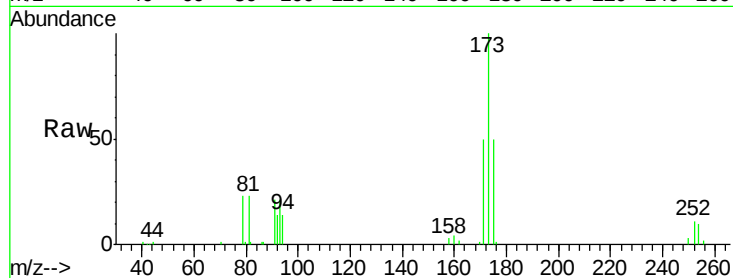
254 0.0 0.1 0.1#

Manual Integrations

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MMDadoda

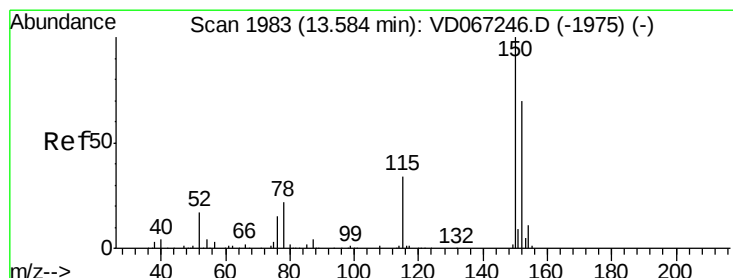
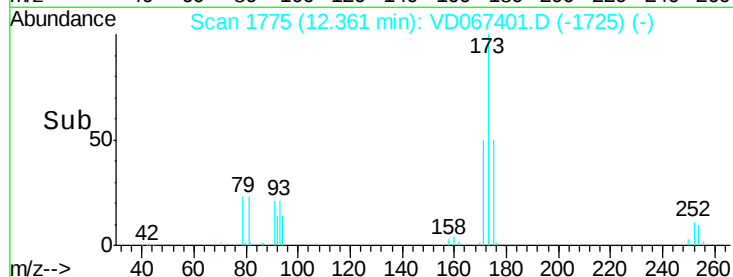
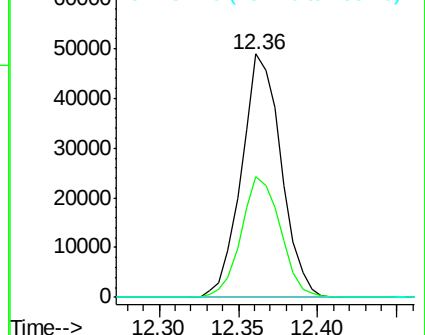
10/27/2020 11:45:57 AM



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. -0.01 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

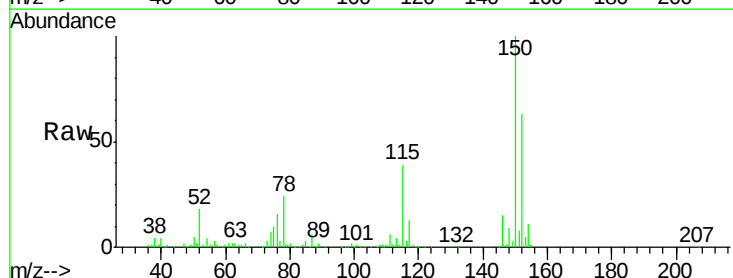
Tgt Ion:152 Resp: 208965

Ion Ratio Lower Upper

152 100

115 59.5 29.3 87.9

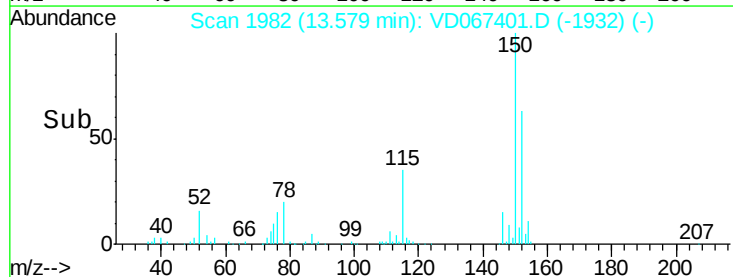
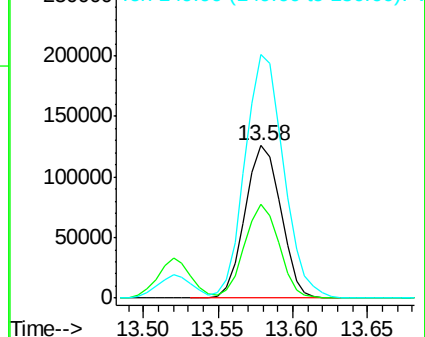
150 172.9 0.0 339.0

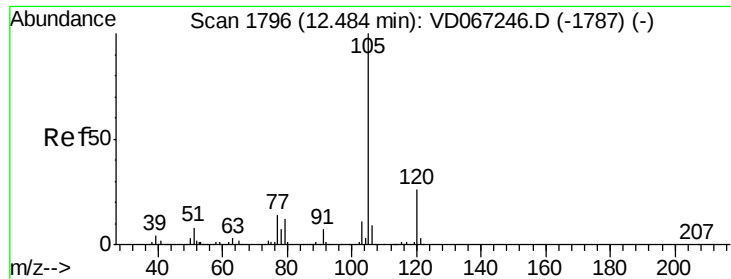


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





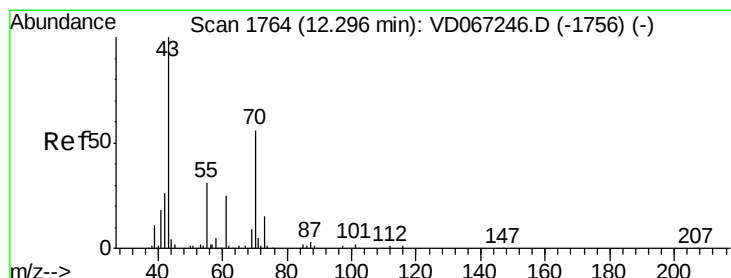
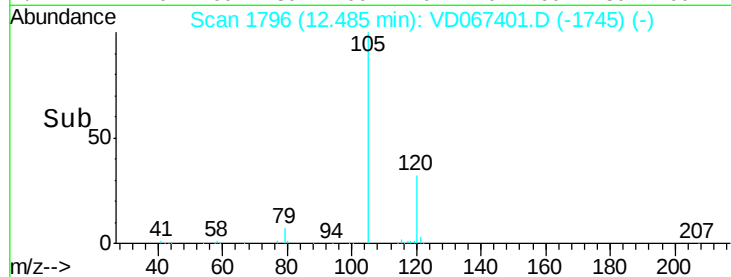
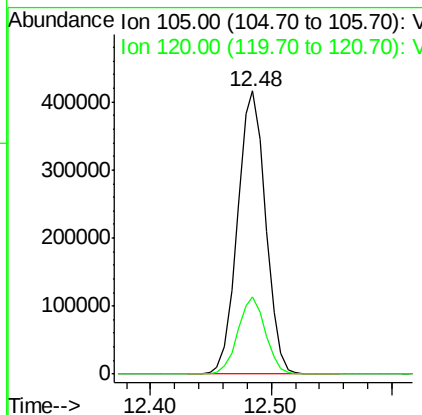
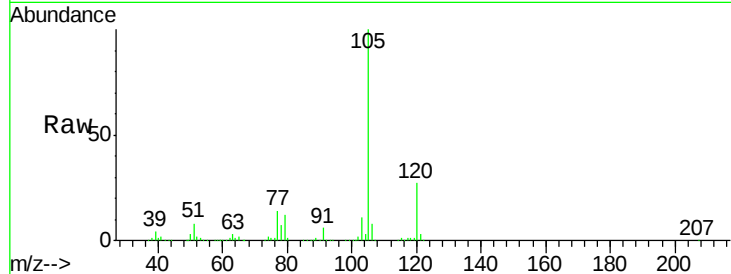
#73
Isopropylbenzene
Concen: 50.798 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 673700
Ion Ratio Lower Upper
105 100
120 26.7 13.3 39.8

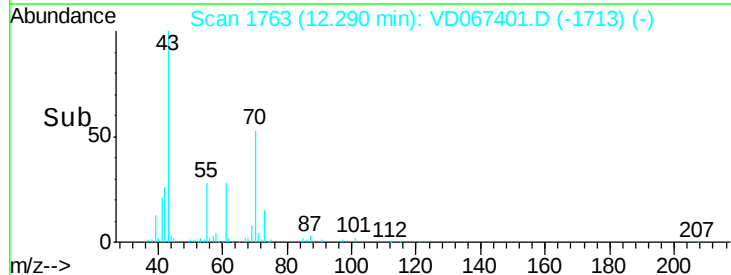
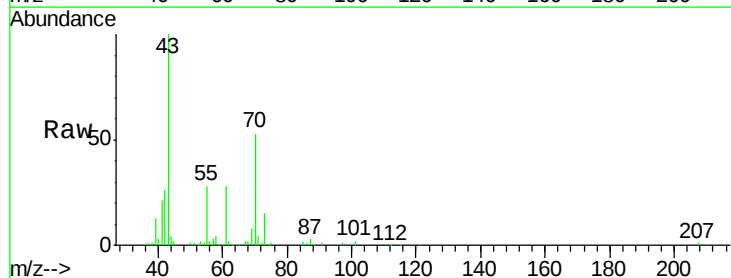
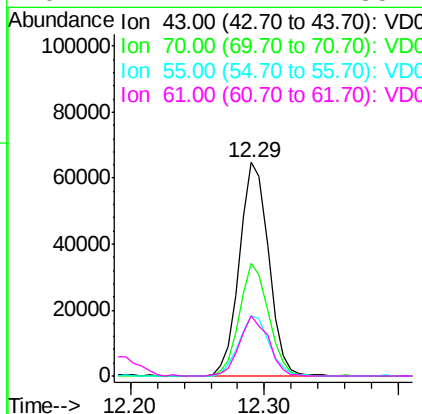
Manual Integrations
APPROVED

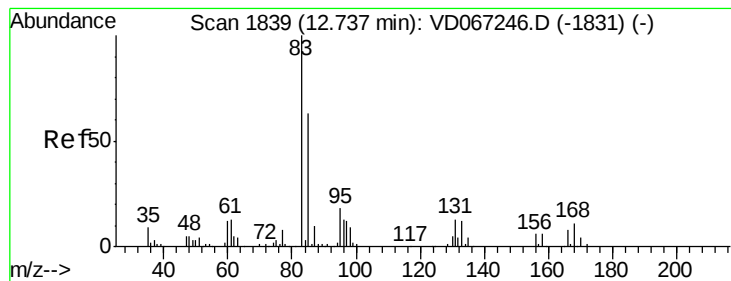
MMDadoda
10/27/2020 11:45:57 AM



#74
N-ethyl acetate
Concen: 49.079 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion: 43 Resp: 98307
Ion Ratio Lower Upper
43 100
70 52.5 42.7 64.1
55 29.3 24.0 36.0
61 27.7 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.458 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

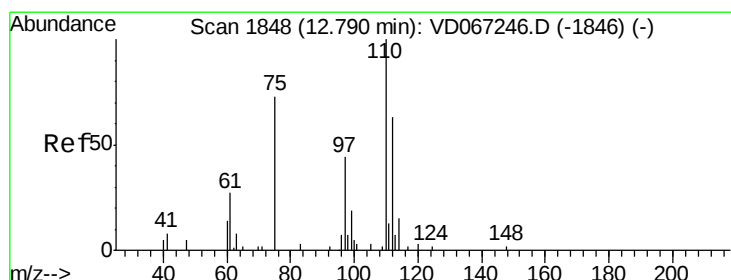
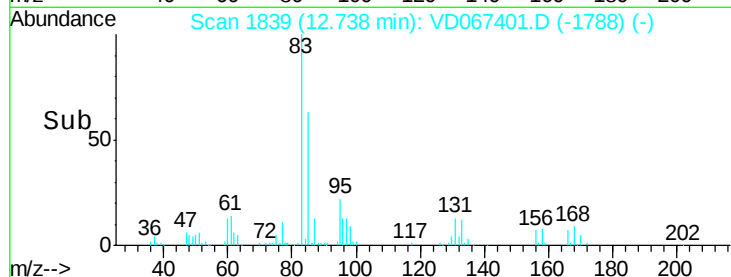
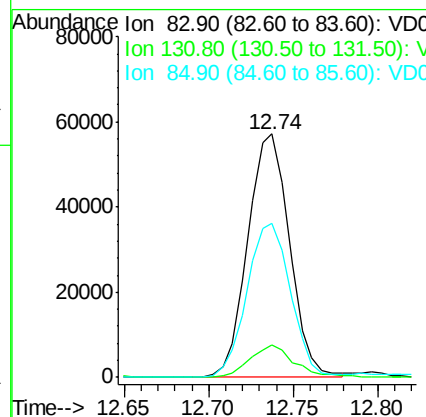
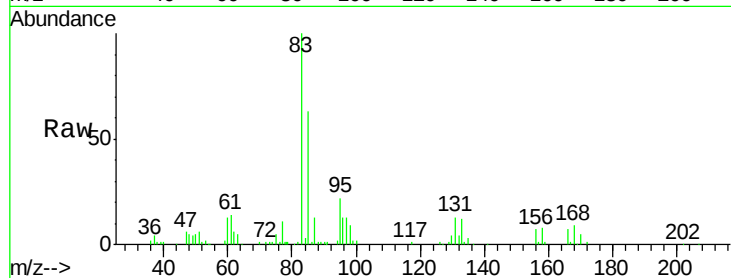
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	98471
Ion Ratio	Lower	Upper	
83	100		
131	14.1	6.5	19.5
85	66.4	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
10/27/2020 11:45:57 AM



#76

1,2,3-Trichloropropane

Concen: 52.236 ug/l m

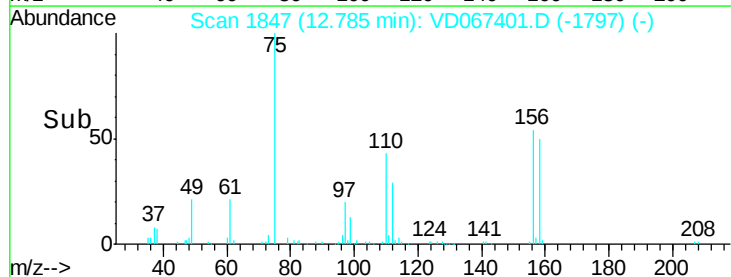
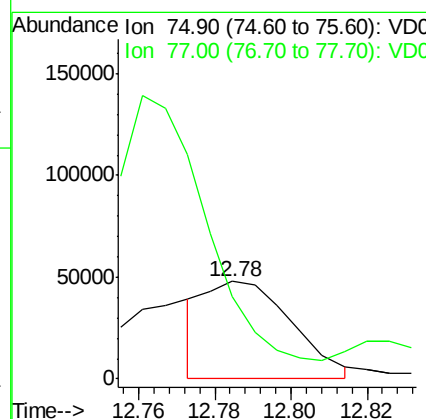
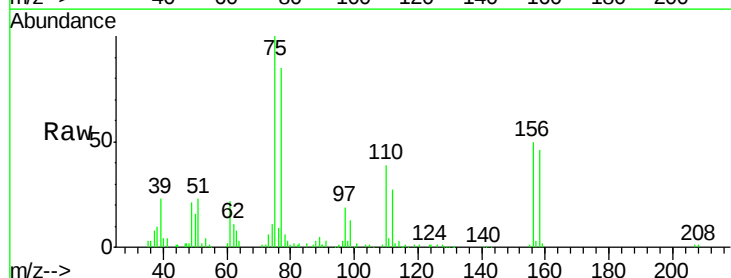
RT: 12.78 min Scan# 1847

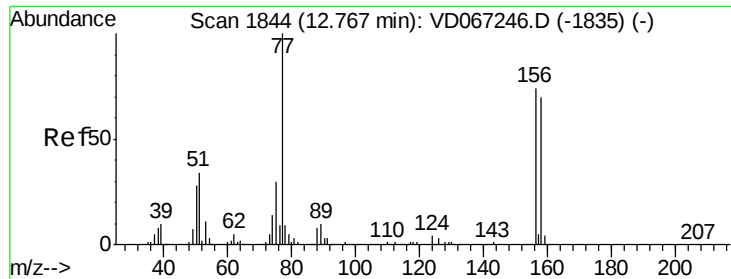
Delta R.T. -0.01 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Tgt Ion:	75	Resp:	75654
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.003 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067401.D

Acq: 26 Oct 2020 19:15

Instrument :

MSVOA_D

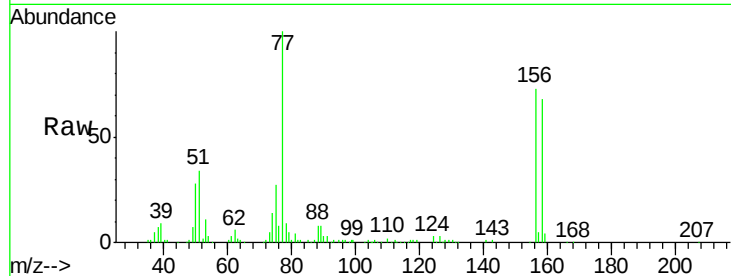
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	154.0	78.0	233.8
158	96.0	49.1	147.3

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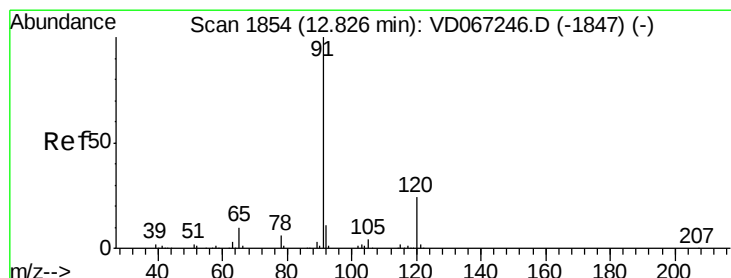
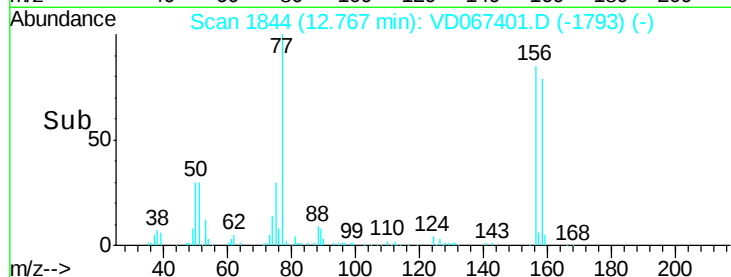
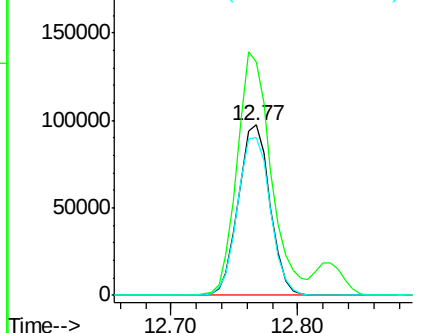
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.186 ug/l

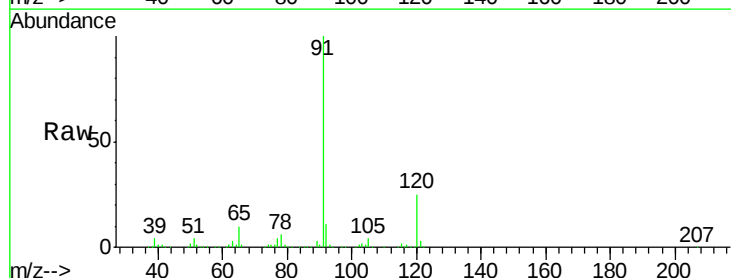
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067401.D

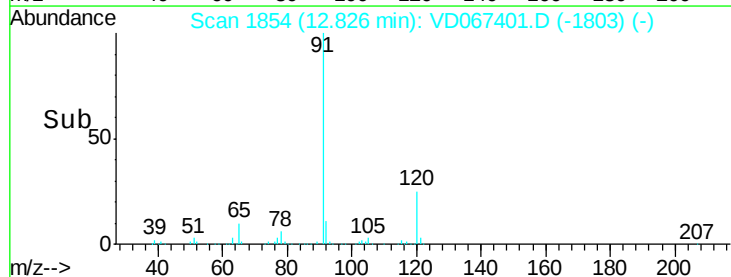
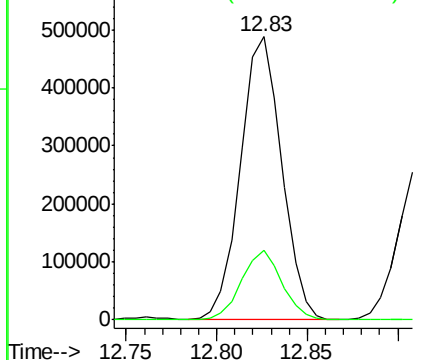
Acq: 26 Oct 2020 19:15

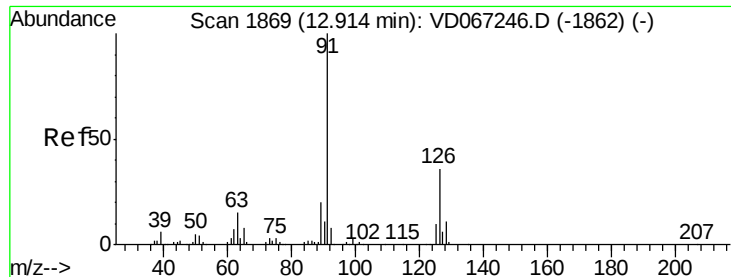
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





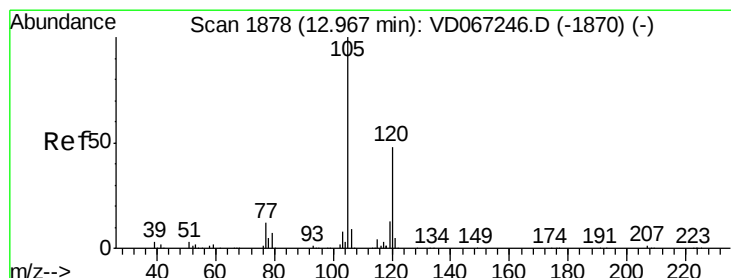
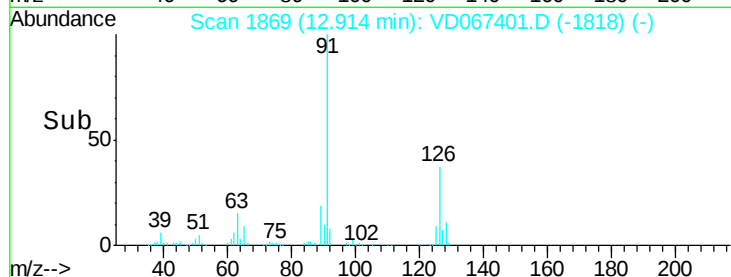
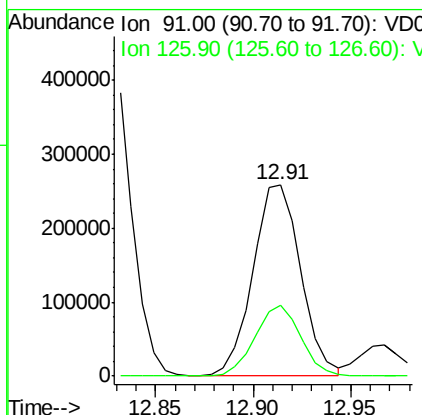
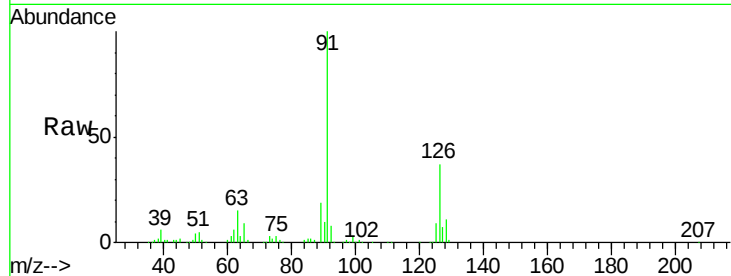
#79
 2-Chlorotoluene
 Concen: 49.282 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 439158
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.6 52.8

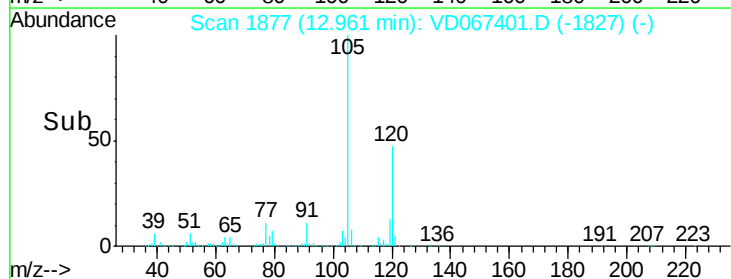
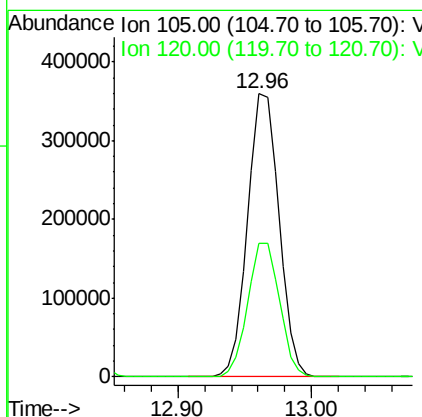
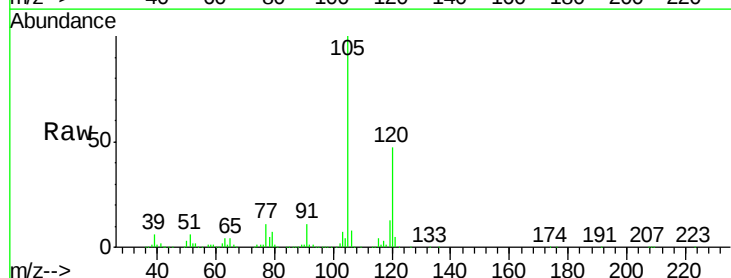
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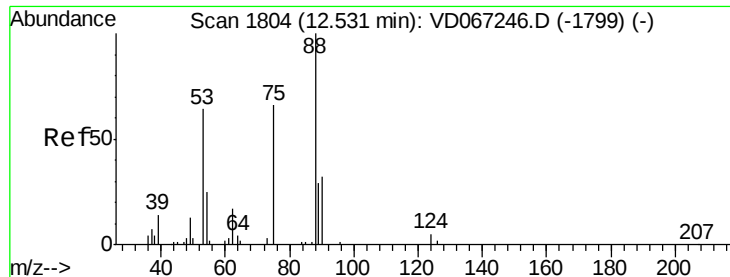
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.722 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Tgt Ion: 105 Resp: 584562
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.8





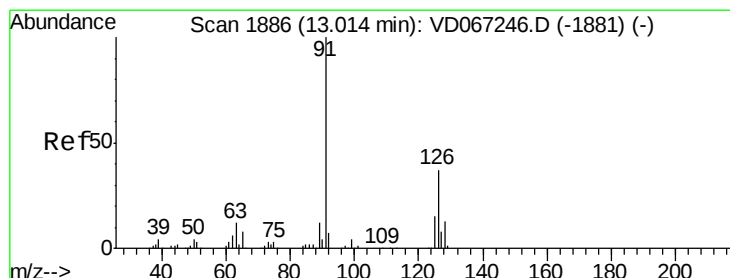
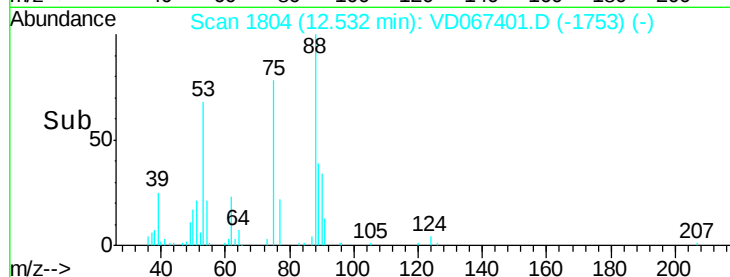
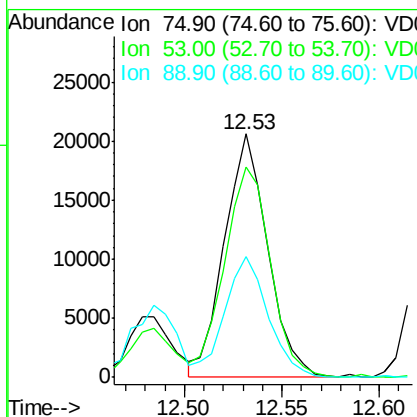
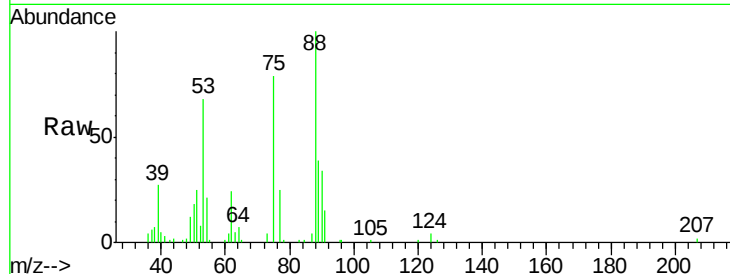
#81
trans-1,4-Dichloro-2-butene
Concen: 49.495 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.3	78.5	117.7
89	50.2	39.9	59.9

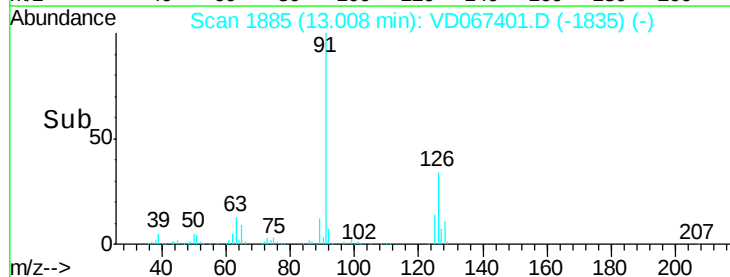
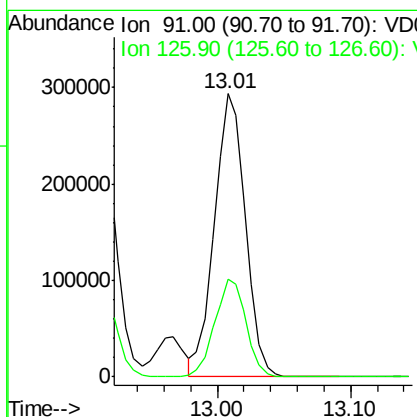
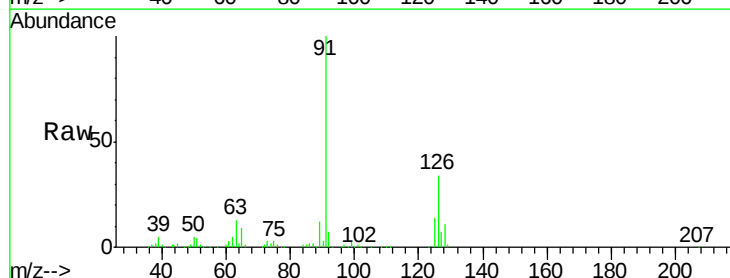
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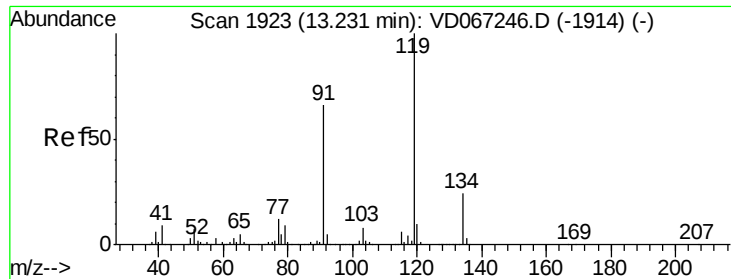
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#82
4-Chlorotoluene
Concen: 50.558 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.8	53.5





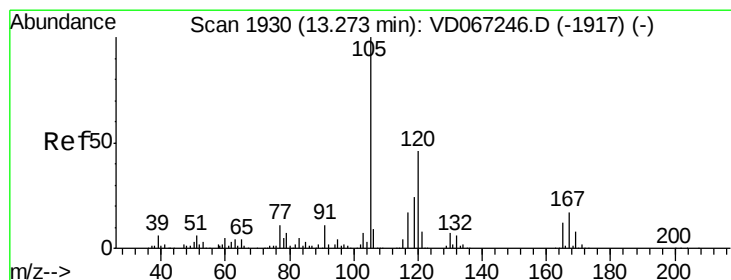
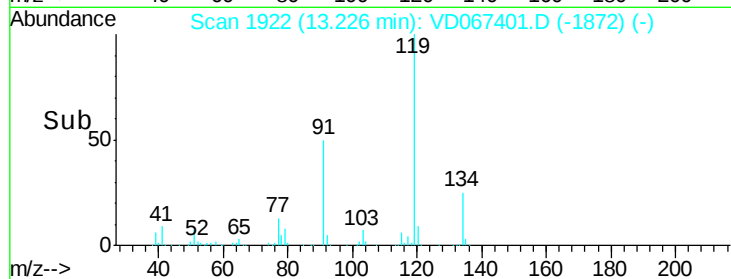
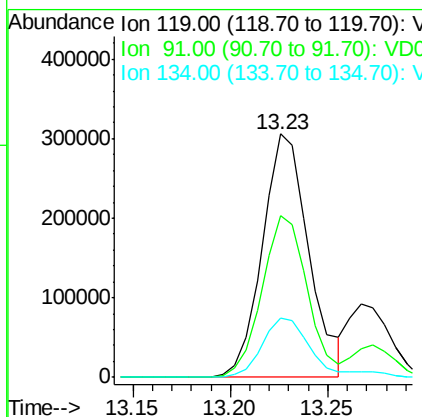
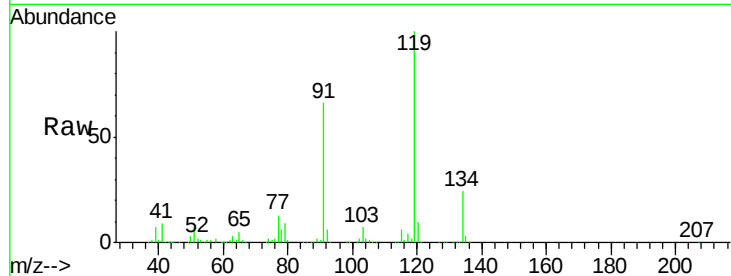
#83
tert-Butylbenzene
Concen: 51.782 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	33.1	99.2
134	26.2	13.3	39.9

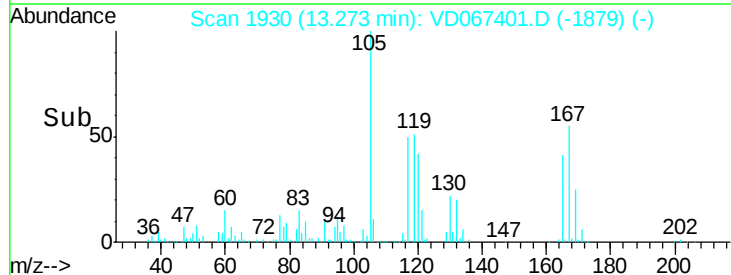
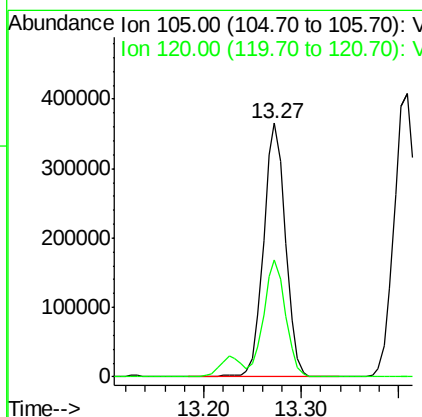
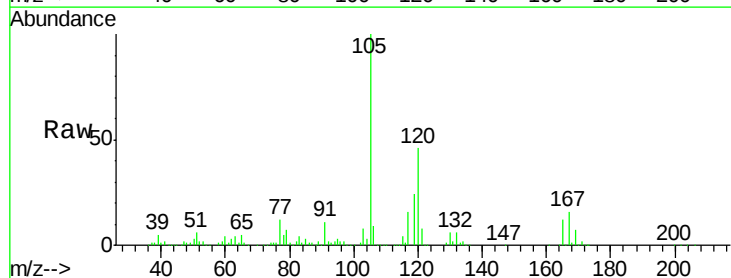
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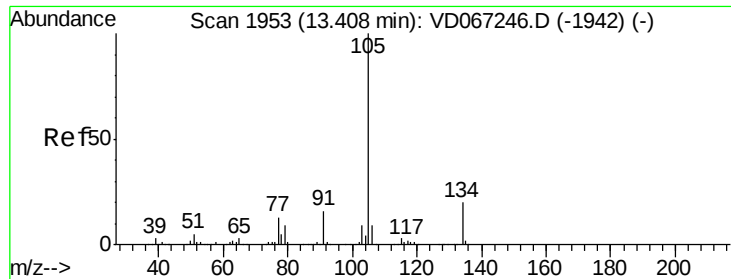
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#84
1,2,4-Trimethylbenzene
Concen: 50.826 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.4	67.3





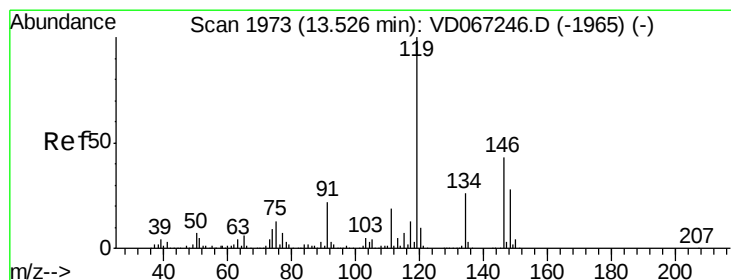
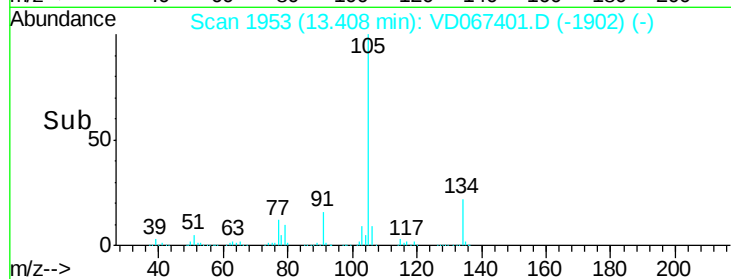
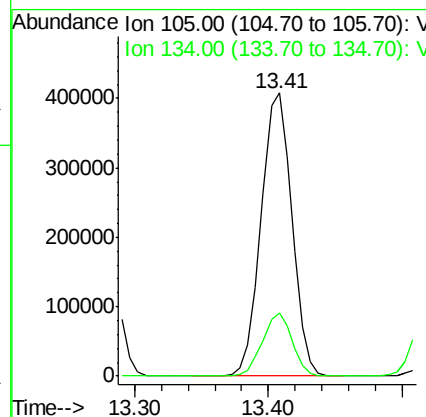
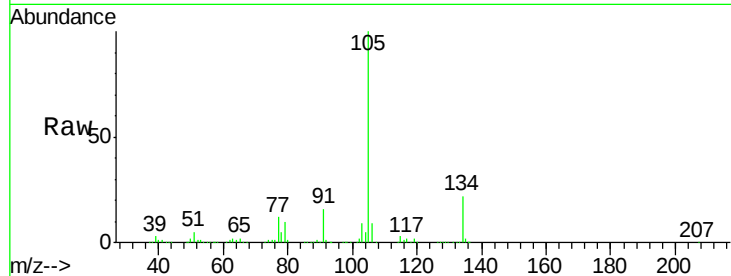
#85
 sec-Butylbenzene
 Concen: 48.652 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.5	31.5

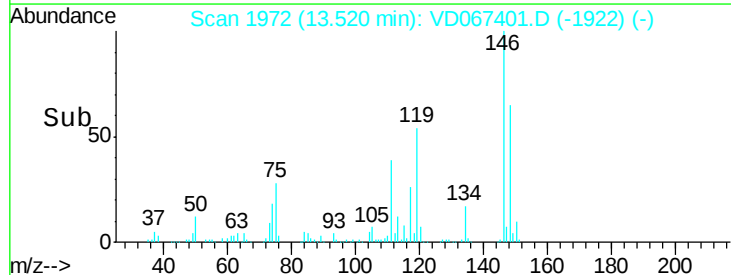
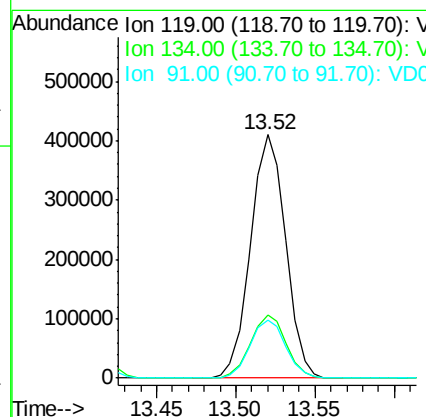
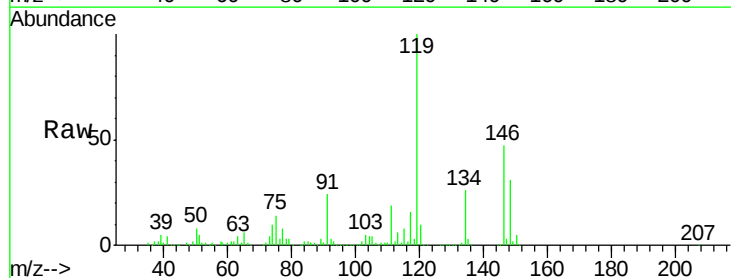
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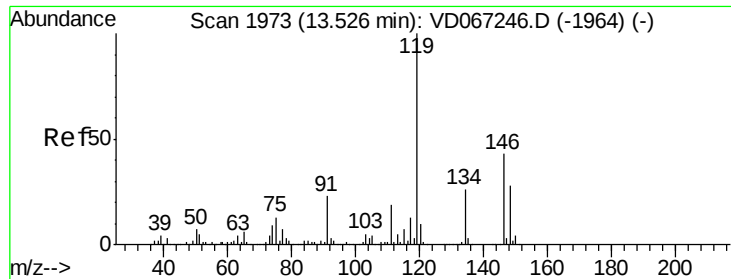
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#86
 p-Isopropyltoluene
 Concen: 50.070 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.3
91	24.2	11.9	35.9





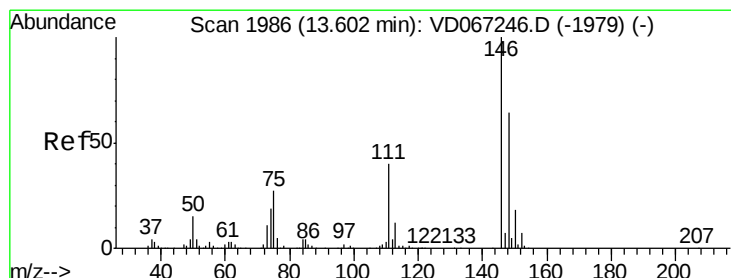
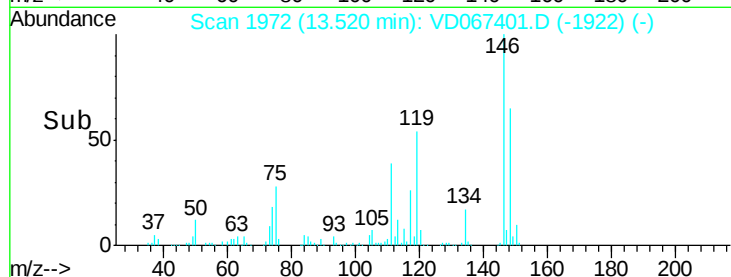
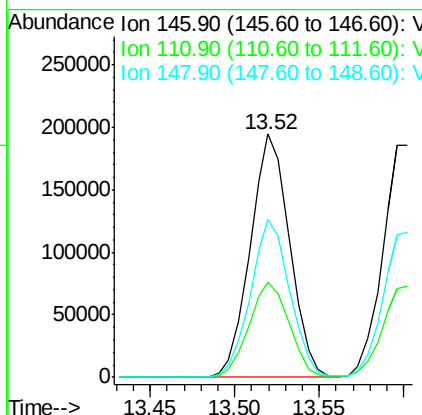
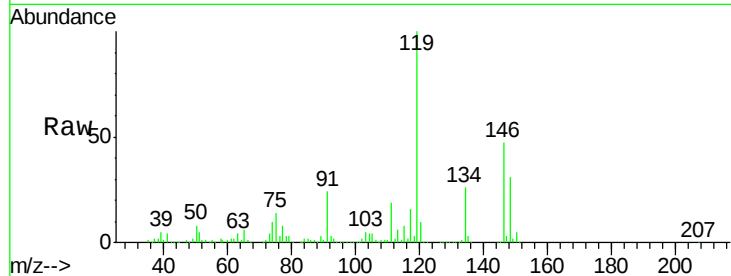
#87
 1,3-Dichlorobenzene
 Concen: 49.215 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.8	21.1	63.3	
148	64.7	31.9	95.9	

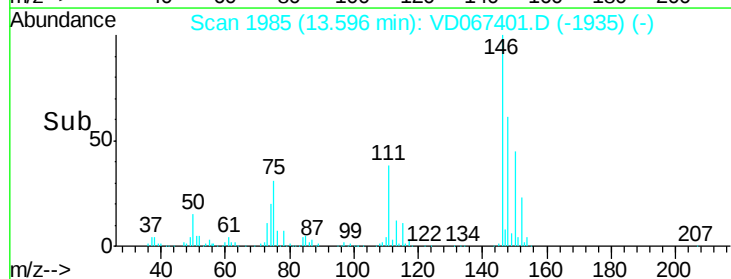
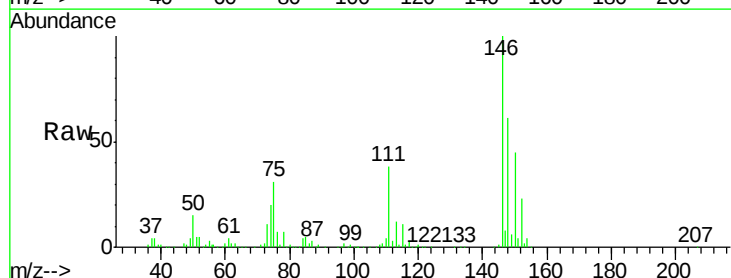
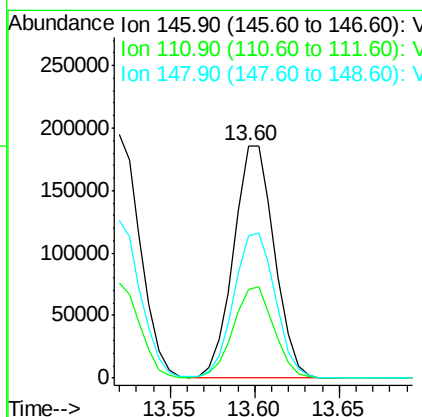
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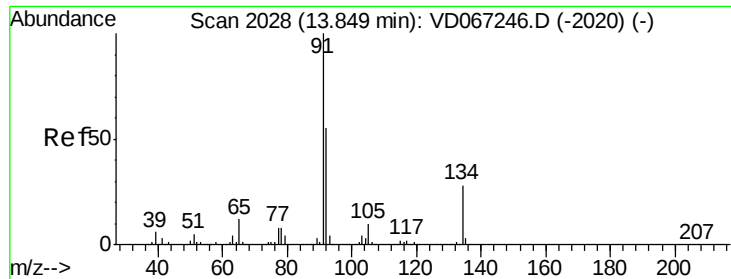
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#88
 1,4-Dichlorobenzene
 Concen: 49.655 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.3	19.9	59.7	
148	63.3	31.9	95.9	





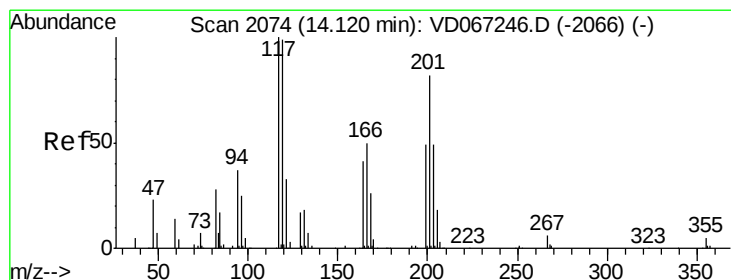
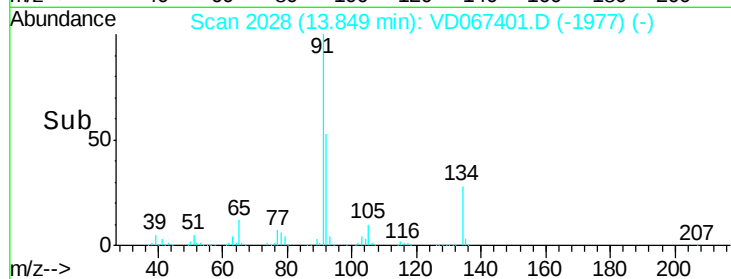
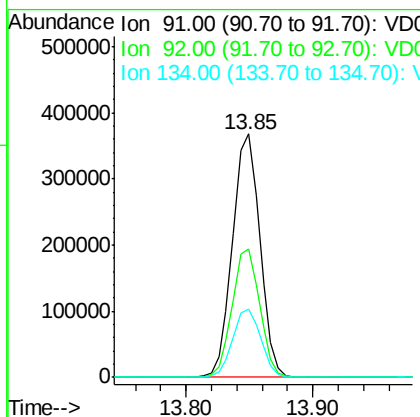
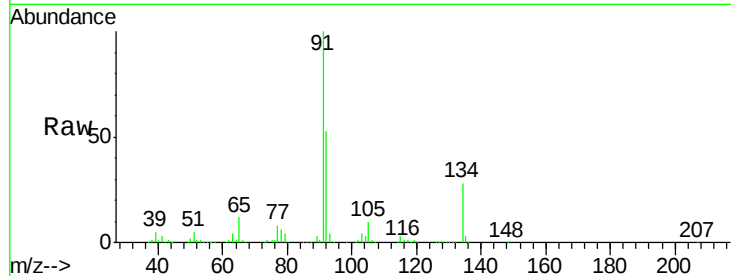
#89
n-Butylbenzene
Concen: 49.649 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	28.6	14.2	42.6

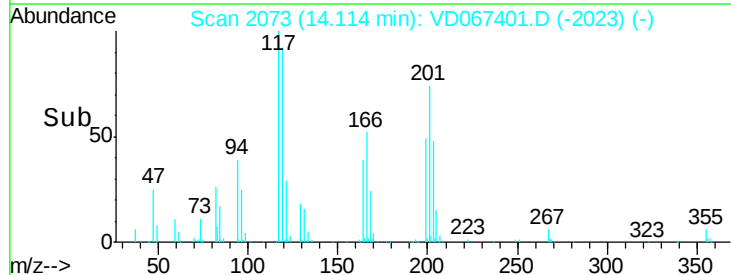
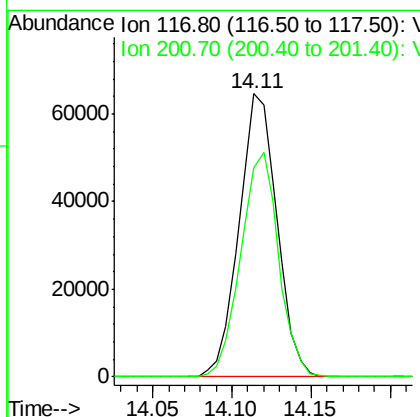
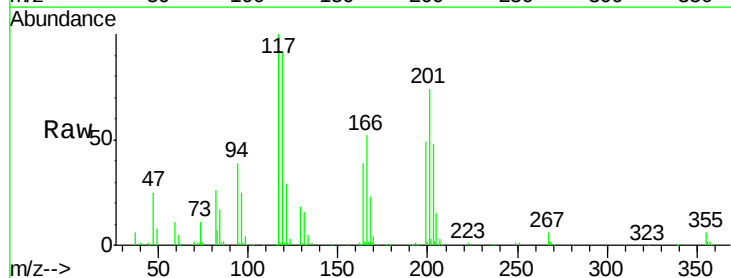
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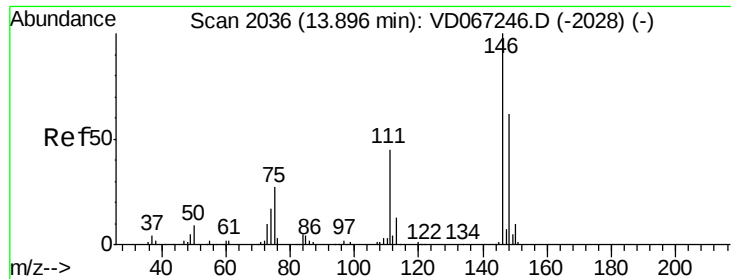
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#90
Hexachloroethane
Concen: 48.767 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	40.8	122.2





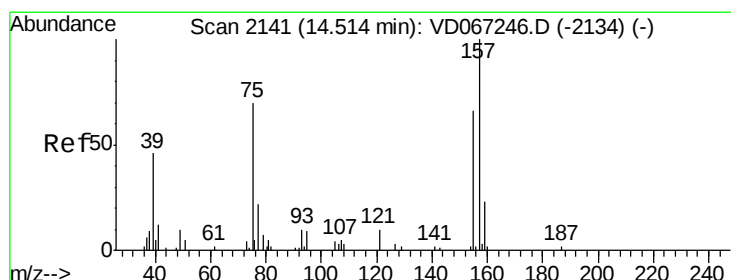
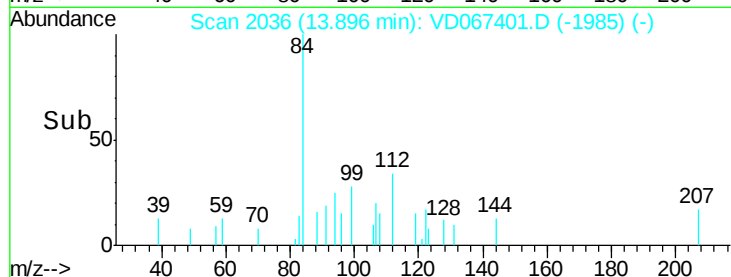
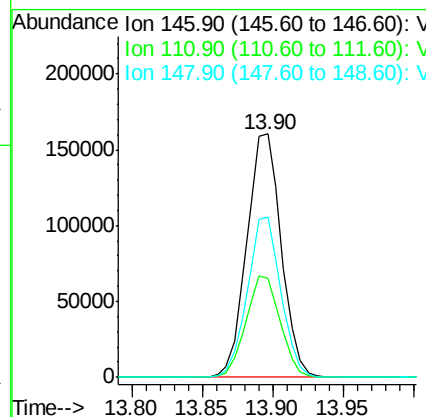
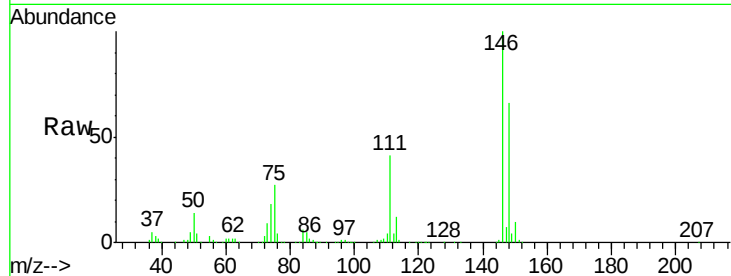
#91
 1,2-Dichlorobenzene
 Concen: 49.309 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	22.0	66.0
148	64.2	32.5	97.5

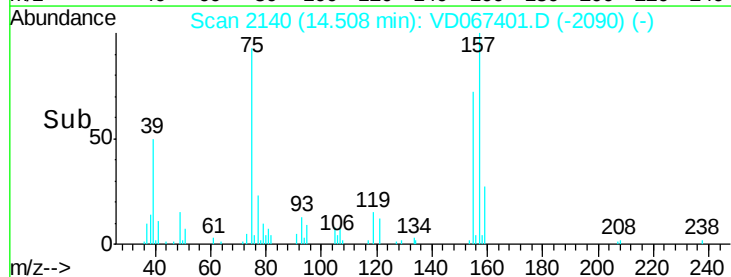
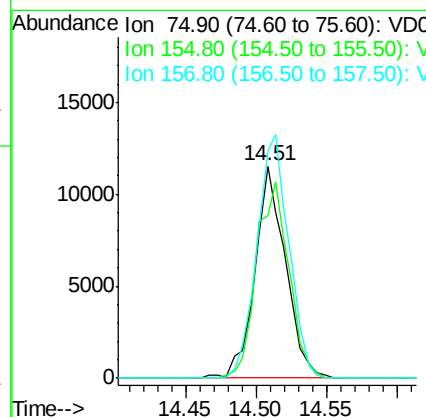
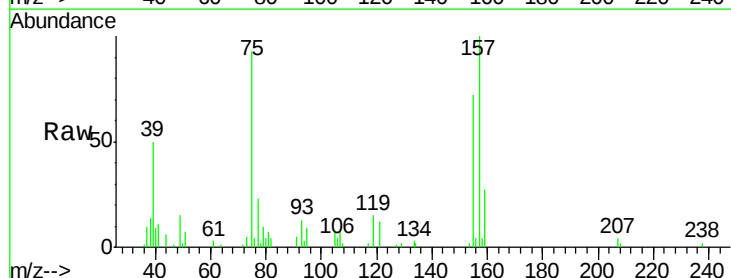
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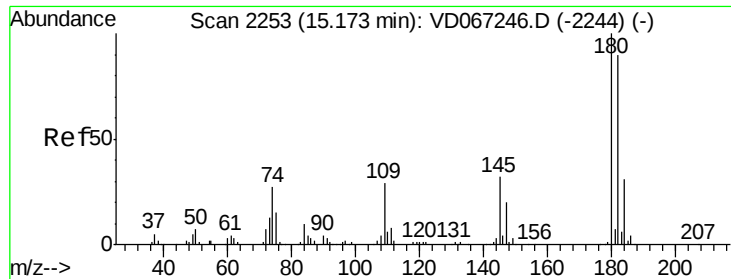
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.452 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	44.8	134.4
157	120.1	62.5	187.4





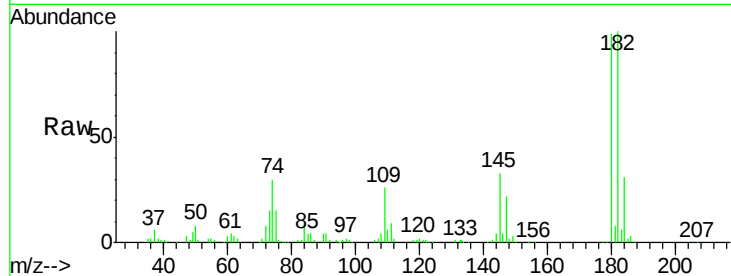
#93
 1,2,4-Trichlorobenzene
 Concen: 51.258 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	192139		
182	94.4	48.1	144.4	
145	32.3	16.3	48.9	

Manual Integrations
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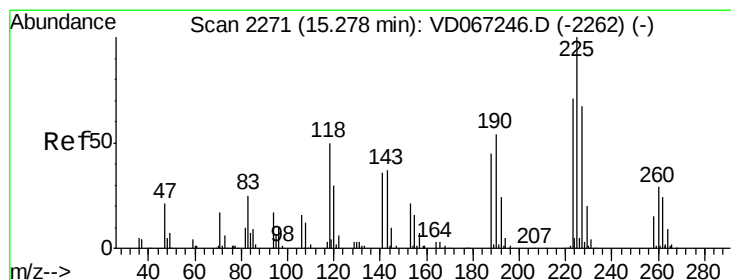
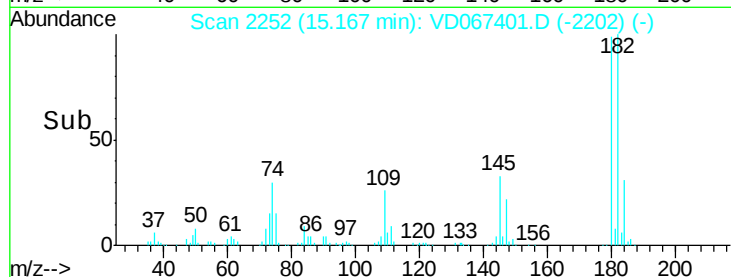
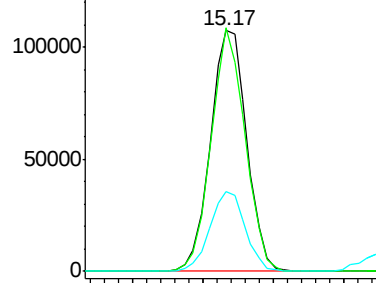


Abundance

Ion 179.80 (179.50 to 180.50): V

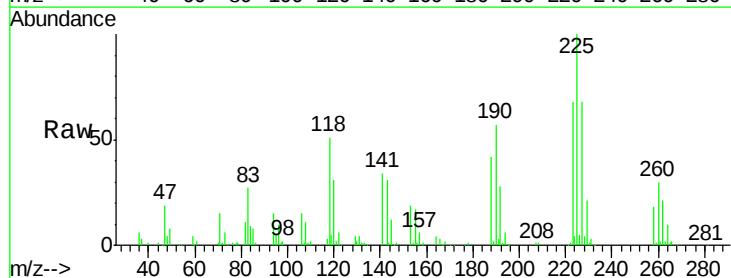
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.073 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067401.D
 Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	114229		
223	64.7	31.9	95.7	
227	65.3	31.2	93.6	

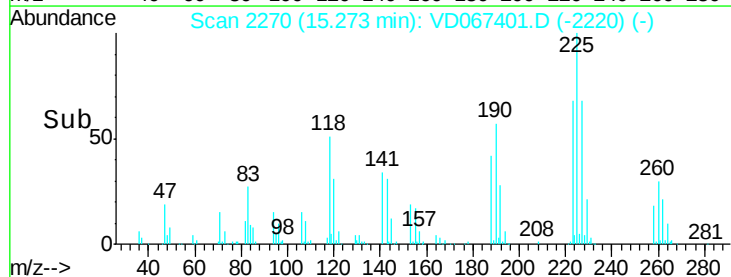
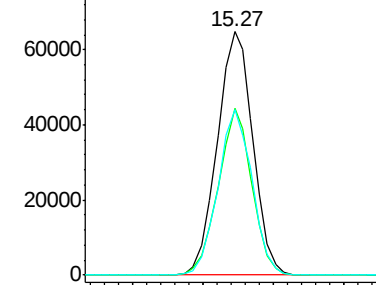


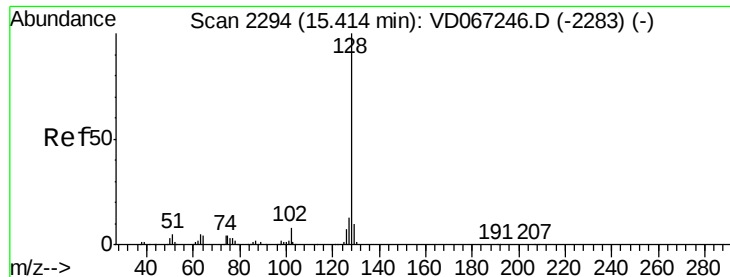
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





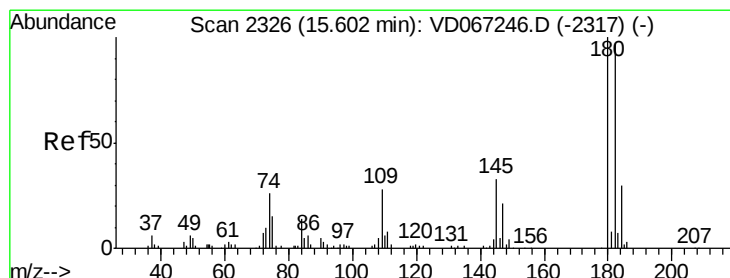
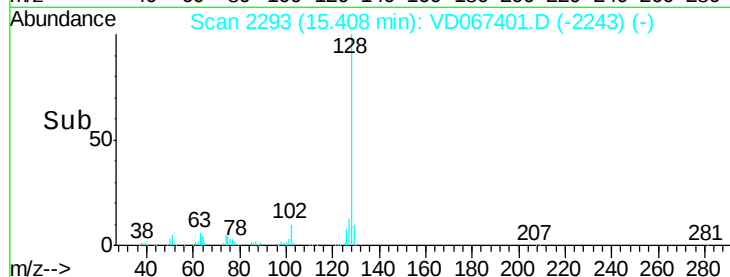
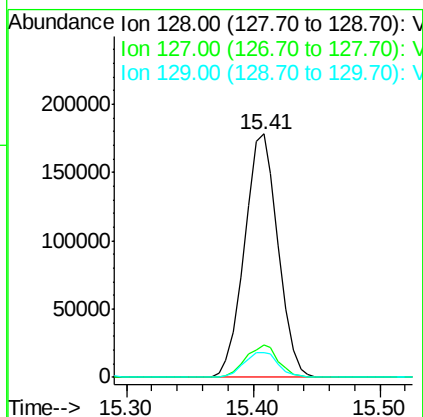
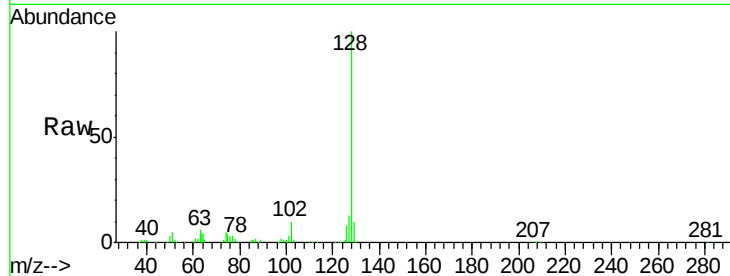
#95
Naphthalene
Concen: 53.117 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/27/2020 11:45:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.480 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067401.D
Acq: 26 Oct 2020 19:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.1	144.3
145	33.5	17.3	51.9

