

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102120\
 Data File : VD067352.D
 Acq On : 21 Oct 2020 17:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 5:19:21 PM

Quant Time: Oct 22 01:05:43 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	7.99	168	317755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	475592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	444326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227111	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	164652	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	7.92	113	165119	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
50) Toluene-d8	10.34	98	584109	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.64	95	212970	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	118267	46.020	ug/l	95
3) Chloromethane	2.21	50	89916	44.963	ug/l	98
4) Vinyl Chloride	2.35	62	95180	43.378	ug/l	97
5) Bromomethane	2.77	94	75472	49.400	ug/l	99
6) Chloroethane	2.92	64	61074	44.694	ug/l	98
7) Trichlorofluoromethane	3.27	101	262839	47.571	ug/l	100
8) Diethyl Ether	3.71	74	64260	50.826	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	142119	48.414	ug/l	99
10) Methyl Iodide	4.30	142	127432	47.060	ug/l	99
11) Tert butyl alcohol	5.22	59	41486	250.804	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	127590	48.652	ug/l	98
13) Acrolein	3.93	56	49946	261.430	ug/l	98
14) Allyl chloride	4.71	41	144290	48.045	ug/l	97
15) Acrylonitrile	5.43	53	112212	265.992	ug/l	100
16) Acetone	4.16	43	109240	245.021	ug/l	99
17) Carbon Disulfide	4.41	76	333773	44.645	ug/l	99
18) Methyl Acetate	4.71	43	52839	51.961	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	278156	53.342	ug/l	100
20) Methylene Chloride	4.97	84	143097	50.118	ug/l #	88
21) trans-1,2-Dichloroethene	5.47	96	149054	49.390	ug/l	93
22) Diisopropyl ether	6.37	45	283076	51.598	ug/l	99
23) Vinyl Acetate	6.31	43	867828	278.042	ug/l	98
24) 1,1-Dichloroethane	6.26	63	230927	49.173	ug/l	99
25) 2-Butanone	7.21	43	137755	271.058	ug/l	94
26) 2,2-Dichloropropane	7.21	77	230869	47.695	ug/l	98
27) cis-1,2-Dichloroethene	7.22	96	171257	51.778	ug/l	99
28) Bromochloromethane	7.55	49	82763	51.668	ug/l #	100
29) Tetrahydrofuran	7.56	42	79513	281.457	ug/l	98
30) Chloroform	7.71	83	285674	50.921	ug/l	93
31) Cyclohexane	7.99	56	161309	43.994	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	271989	49.412	ug/l	99
36) 1,1-Dichloropropene	8.11	75	198234	49.178	ug/l	98
37) Ethyl Acetate	7.30	43	64230	54.158	ug/l	95
38) Carbon Tetrachloride	8.10	117	257988	50.076	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	205838	48.845	ug/l	98
40) Benzene	8.36	78	560053	50.645	ug/l	99
41) Methacrylonitrile	7.54	41	40100	62.570	ug/l #	69
42) 1,2-Dichloroethane	8.43	62	177884	51.401	ug/l	98
43) Isopropyl Acetate	8.46	43	127577	54.212	ug/l	98
44) Trichloroethene	9.11	130	175390	49.536	ug/l	98
45) 1,2-Dichloropropane	9.39	63	129756	50.629	ug/l	92
46) Dibromomethane	9.48	93	82952	51.948	ug/l	95
47) Bromodichloromethane	9.67	83	218131	50.986	ug/l	99
48) Methyl methacrylate	9.46	41	62545	54.690	ug/l	94
49) 1,4-Dioxane	9.47	88	17887	1162.455	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	323722	275.801	ug/l	100
52) Toluene	10.41	92	456195	60.568	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	199323	53.037	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	228917	52.047	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	113225	51.998	ug/l	96
56) Ethyl methacrylate	10.67	69	128364	56.842	ug/l	99
57) 1,3-Dichloropropane	10.95	76	184909	53.360	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	313253	270.397	ug/l	98
59) 2-Hexanone	10.99	43	222830	277.822	ug/l	97
60) Dibromochloromethane	11.14	129	166067	52.296	ug/l	99
61) 1,2-Dibromoethane	11.25	107	112640	52.472	ug/l	98
64) Tetrachloroethene	10.88	164	155013	48.151	ug/l	94
65) Chlorobenzene	11.67	112	427619	50.187	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	175316	51.771	ug/l	99
67) Ethyl Benzene	11.75	91	749503	51.316	ug/l	100
68) m/p-Xylenes	11.86	106	575821	102.379	ug/l	99
69) o-Xylene	12.18	106	269389	51.724	ug/l	95
70) Styrene	12.20	104	464505	51.809	ug/l	99
71) Bromoform	12.36	173	93659	51.482	ug/l #	97
73) Isopropylbenzene	12.48	105	752096	52.178	ug/l	99
74) N-amyl acetate	12.30	43	116838	53.670	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	114588	51.884	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	86020m	54.647	ug/l	
77) Bromobenzene	12.77	156	178612	49.704	ug/l	97
78) n-propylbenzene	12.83	91	851148	50.966	ug/l	99
79) 2-Chlorotoluene	12.91	91	481938	49.762	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	644238	51.433	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	34724	50.025	ug/l	97
82) 4-Chlorotoluene	13.01	91	520250	50.612	ug/l	99
83) tert-Butylbenzene	13.23	119	547826	51.777	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	642380	51.888	ug/l	100
85) sec-Butylbenzene	13.41	105	734768	50.610	ug/l	99
86) p-Isopropyltoluene	13.52	119	692545	50.539	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	338071	48.877	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	346972	50.632	ug/l	99
89) n-Butylbenzene	13.85	91	617540	51.225	ug/l	100
90) Hexachloroethane	14.11	117	118312	49.476	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	305427	50.547	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20039	49.944	ug/l	96

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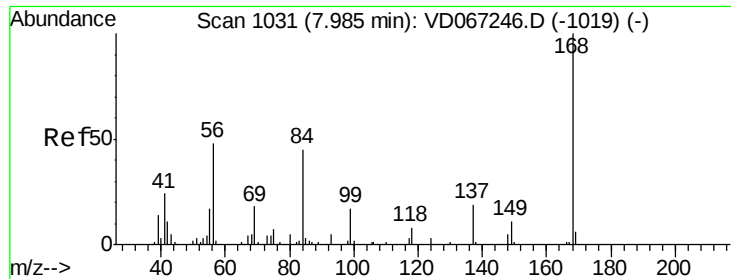
Manual Integrations
APPROVED

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Quant Time: Oct 22 01:05:43 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)
93) 1,2,4-Trichlorobenzene	15.17	180	219766	53.944	ug/l	99
94) Hexachlorobutadiene	15.27	225	130988	51.777	ug/l	97
95) Naphthalene	15.41	128	377591	56.452	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	191397	54.381	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 317755

Ion Ratio Lower Upper

168 100

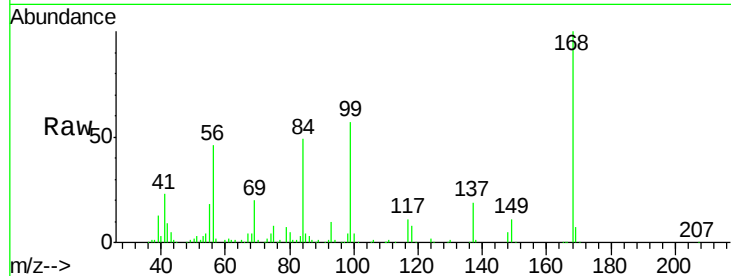
99 56.7 45.9 68.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

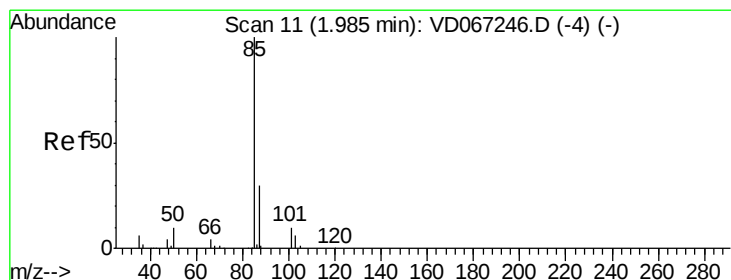
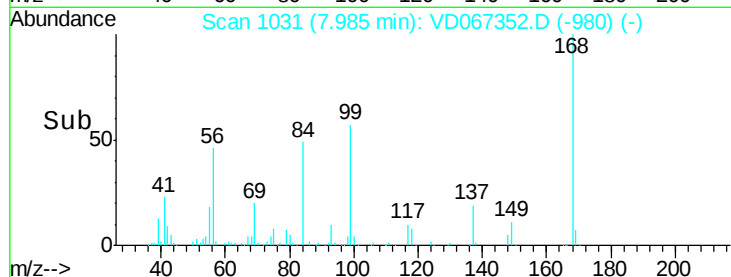
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.020 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067352.D

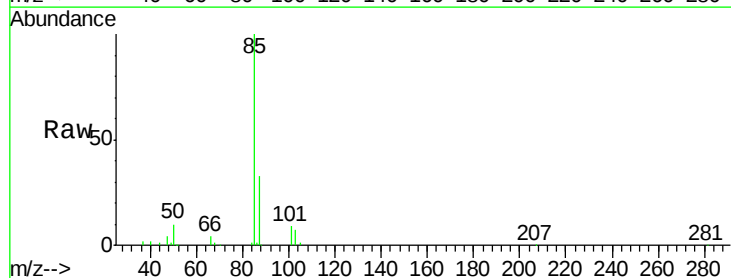
Acq: 21 Oct 2020 17:16

Tgt Ion: 85 Resp: 118267

Ion Ratio Lower Upper

85 100

87 33.1 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

80000

60000

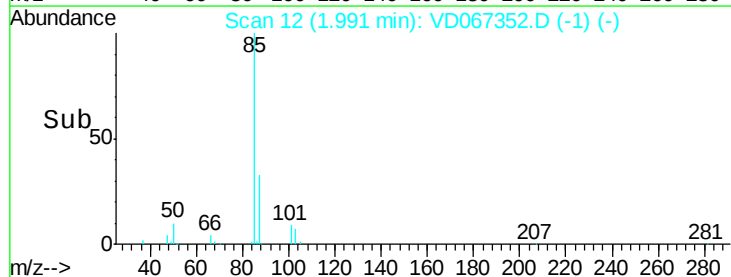
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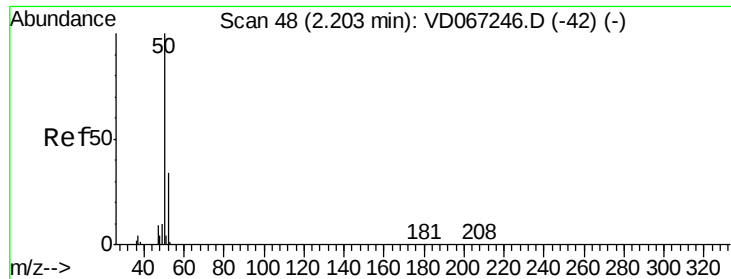
20000

0

1.90 2.00 2.10

Time-->





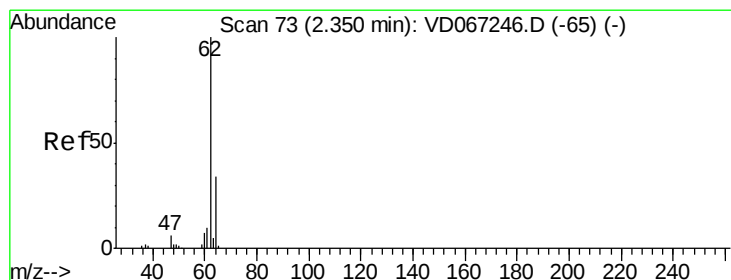
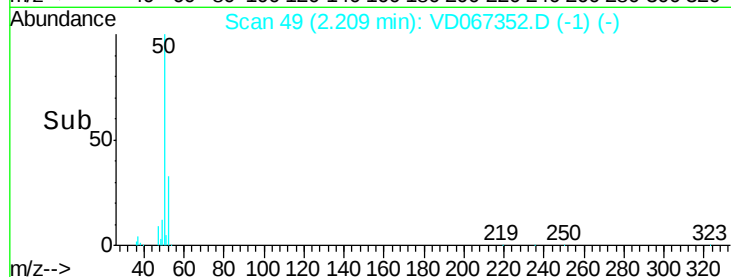
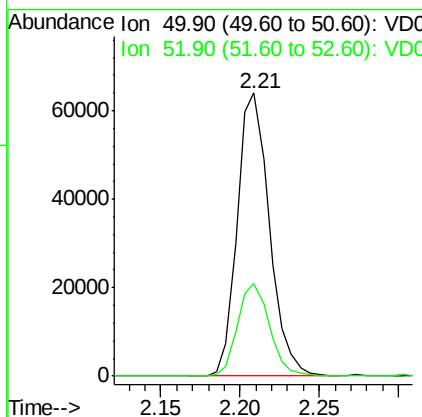
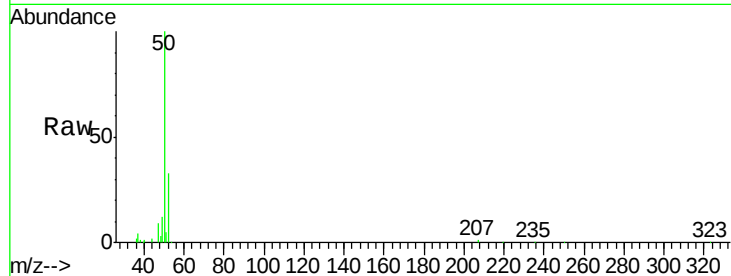
#3
Chloromethane
Concen: 44.963 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	50	Resp	89916
Ion Ratio	100	Lower	Upper
50	100		
52	32.6	27.1	40.7

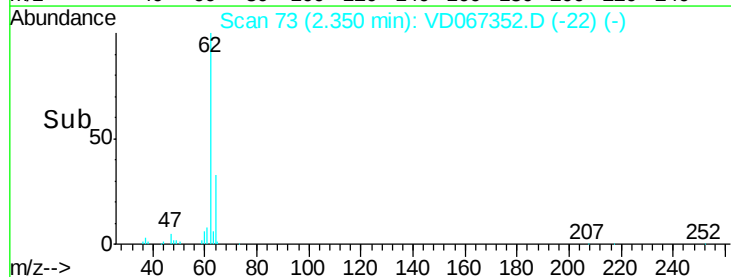
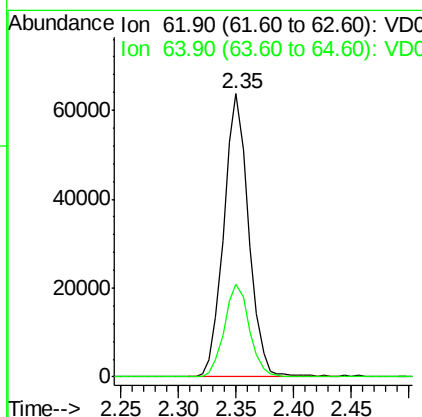
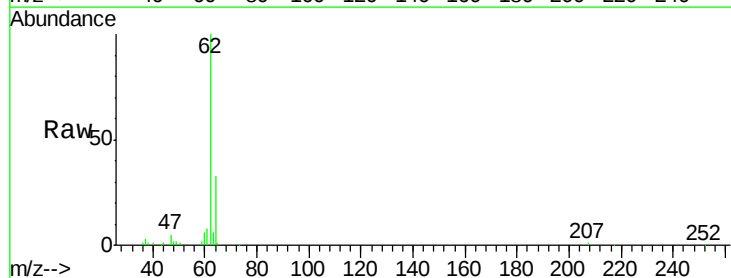
Manual Integrations
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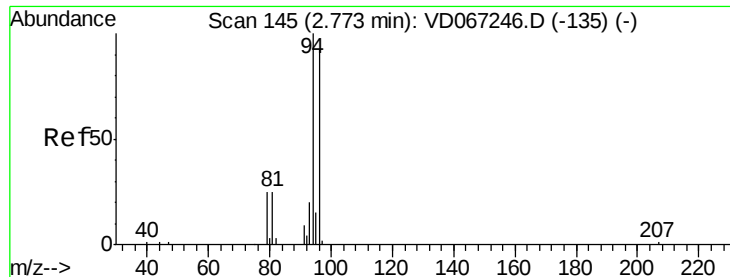
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#4
Vinyl Chloride
Concen: 43.378 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	62	Resp	95180
Ion Ratio	100	Lower	Upper
62	100		
64	32.7	27.4	41.0





#5

Bromomethane

Concen: 49.400 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 75472

Ion Ratio Lower Upper

94 100

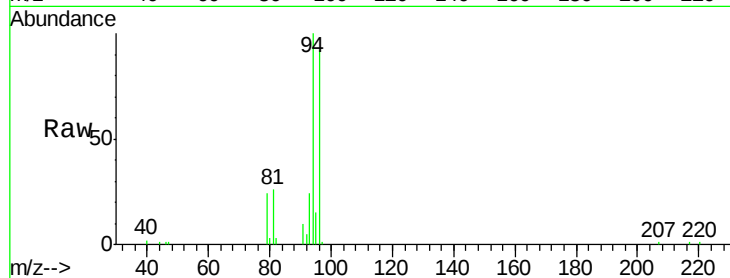
96 91.1 73.8 110.6

Manual Integrations

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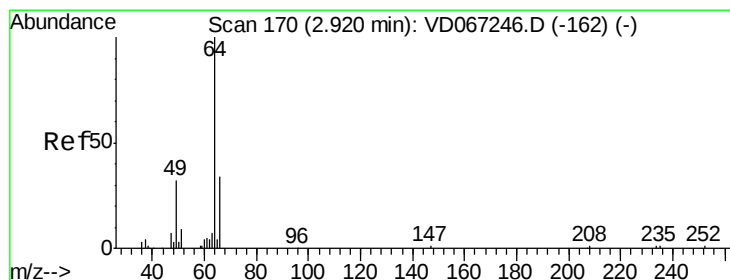
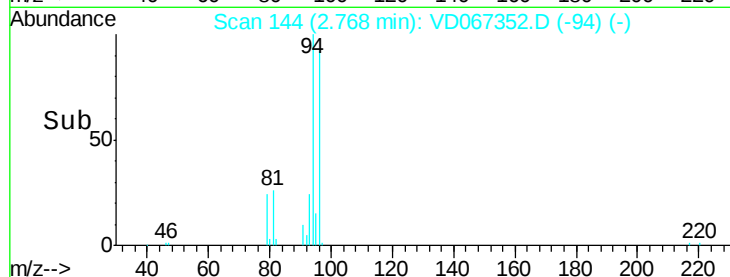
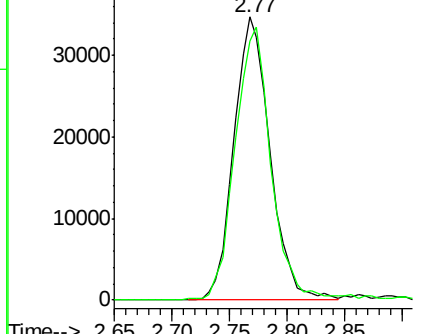
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.694 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067352.D

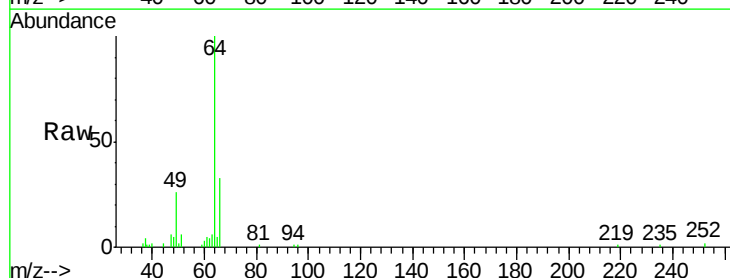
Acq: 21 Oct 2020 17:16

Tgt Ion: 64 Resp: 61074

Ion Ratio Lower Upper

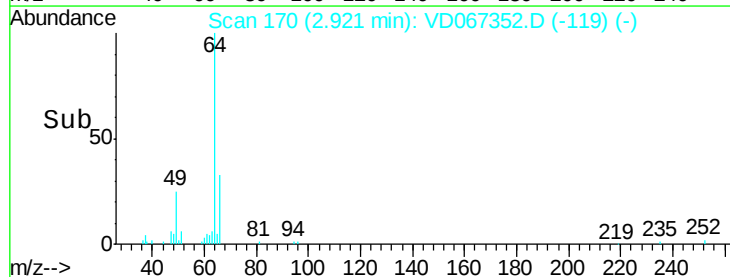
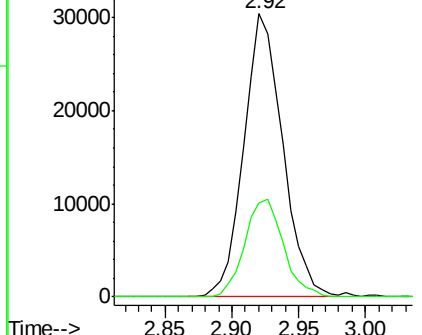
64 100

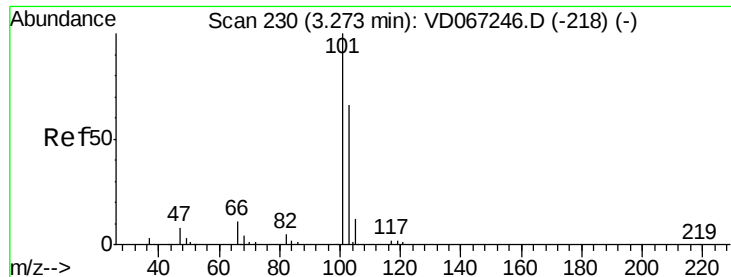
66 33.2 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

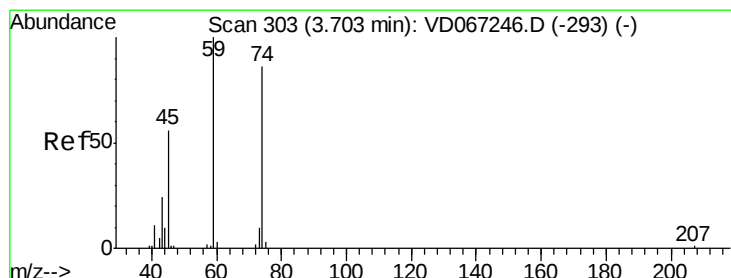
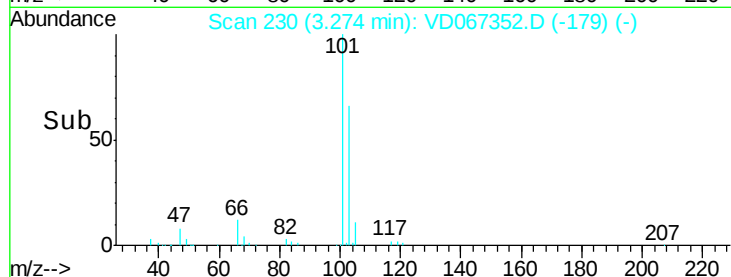
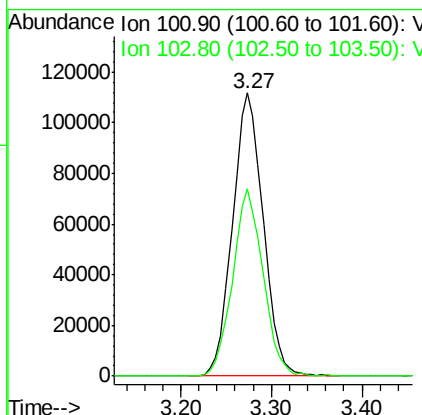
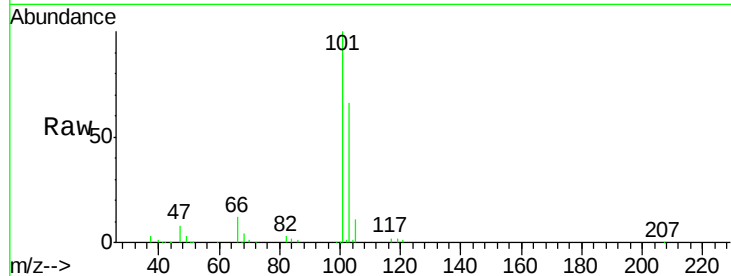
Trichlorofluoromethane
Concen: 47.571 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		262839		
103	66.3	53.1	79.7		

Manual Integrations
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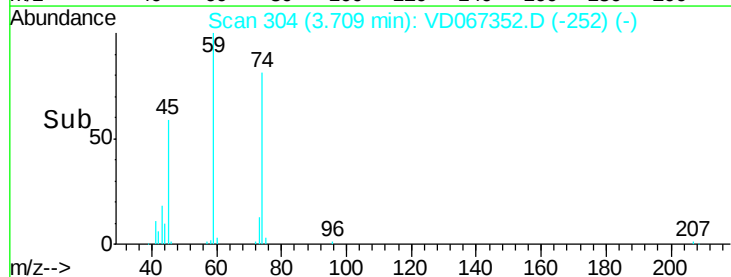
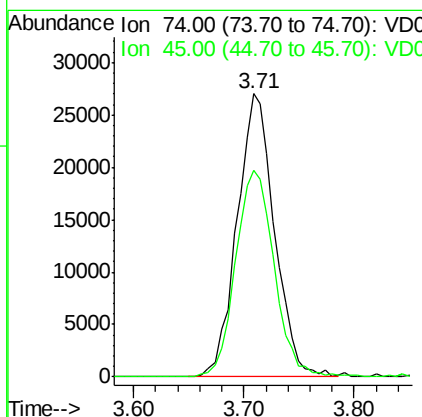
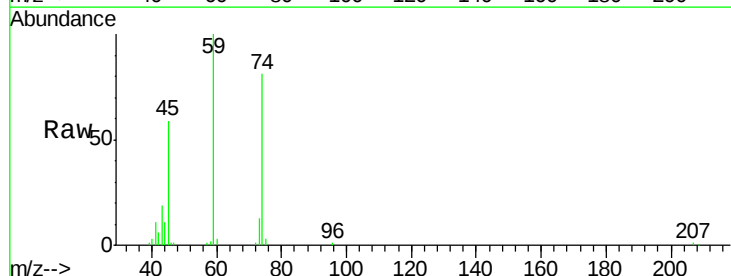
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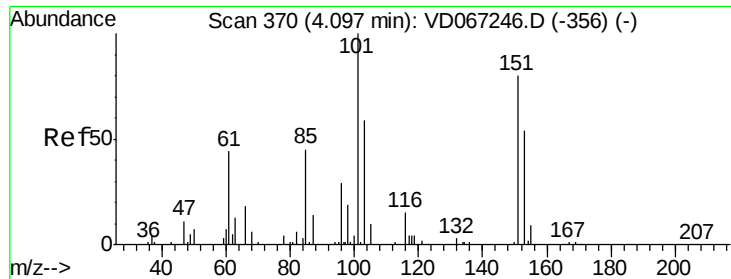


#8

Diethyl Ether
Concen: 50.826 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		64260		
45	75.2	37.0	111.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.414 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

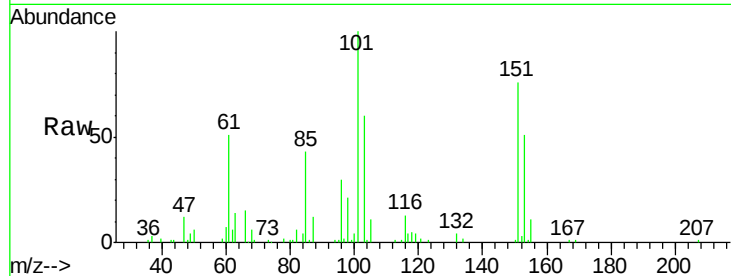
ClientSampleId :

VSTDCCC050EC

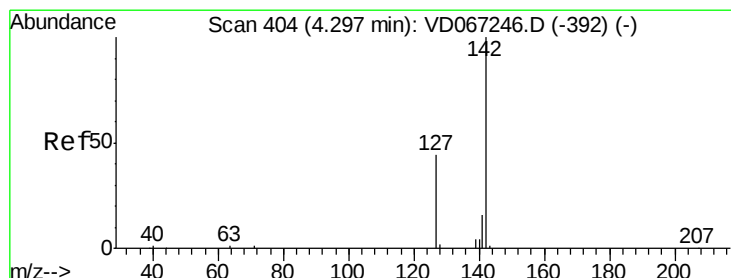
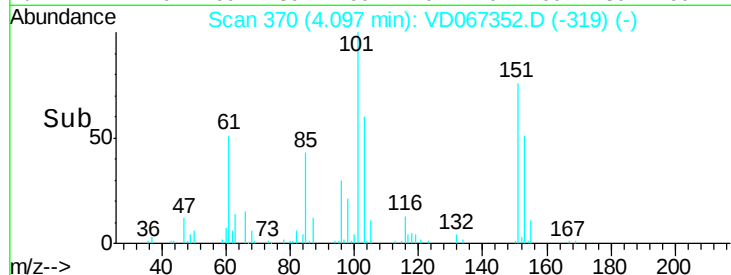
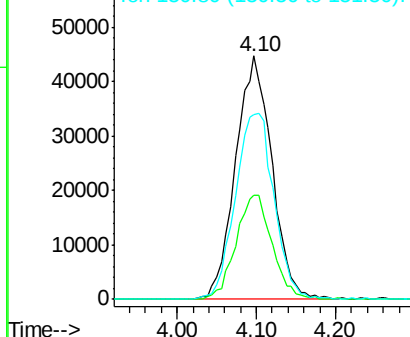
Tot Ion:	101	Resp:	142119
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.4
151	81.4	66.3	99.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.060 ug/l

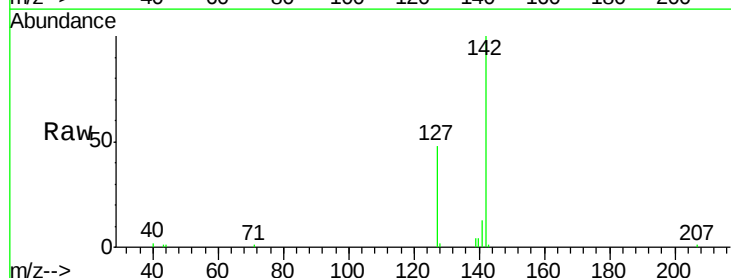
RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

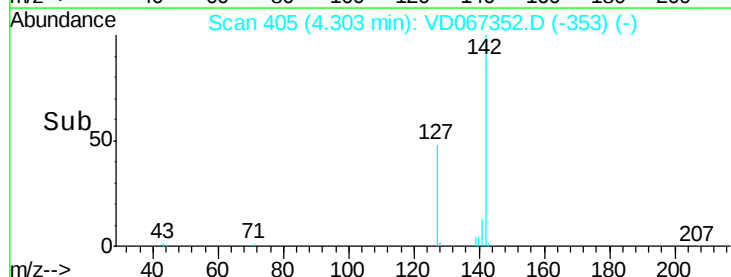
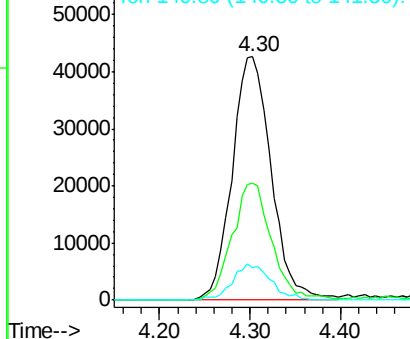
Lab File: VD067352.D

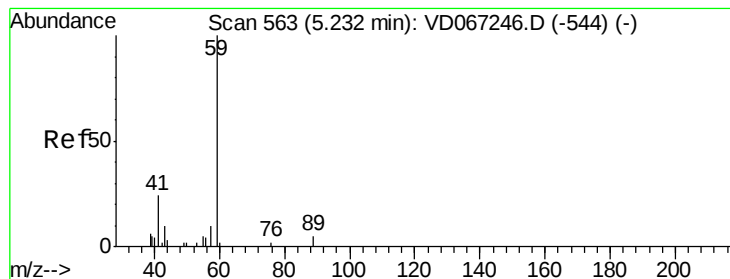
Acq: 21 Oct 2020 17:16

Tgt Ion:	142	Resp:	127432
Ion Ratio	Lower	Upper	
142	100		
127	48.4	38.4	57.6
141	14.4	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

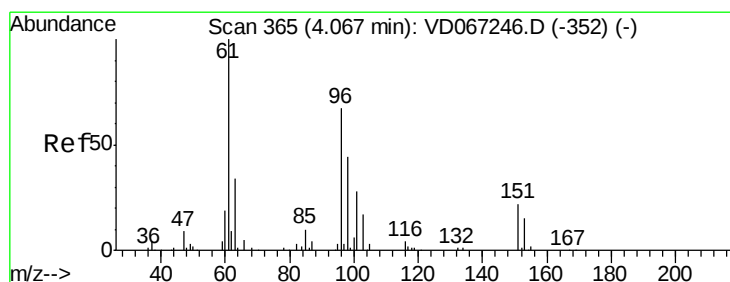
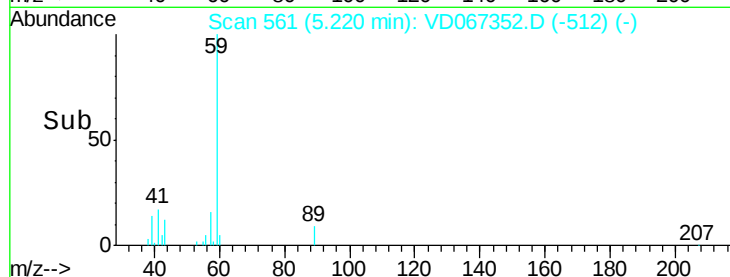
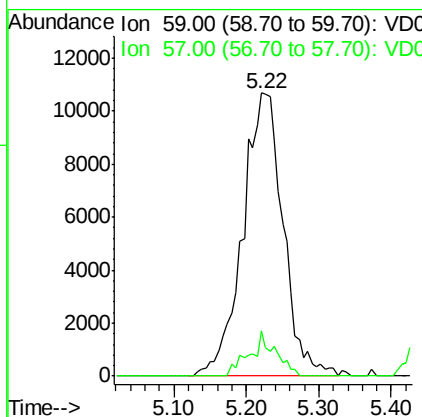
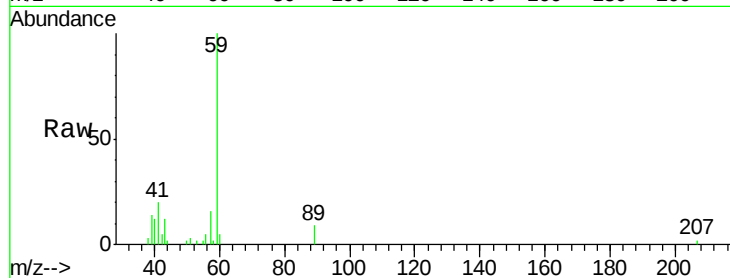
Tert butyl alcohol
Concen: 250.804 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 41486
Ion Ratio Lower Upper
59 100
57 10.2 5.1 7.7#

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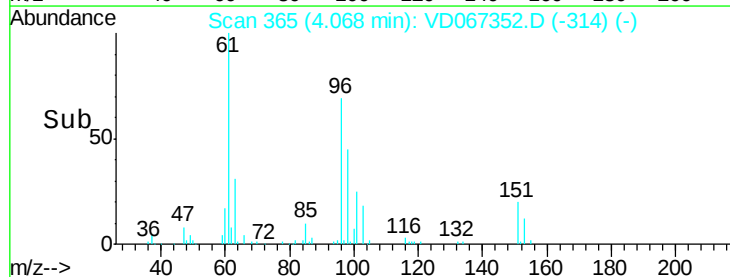
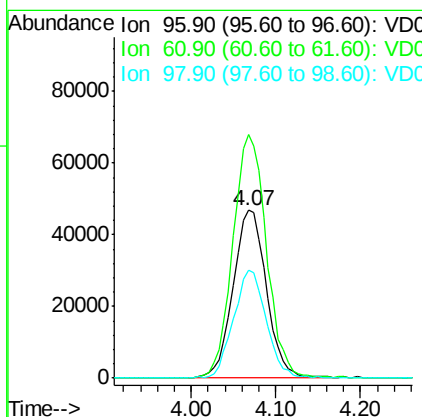
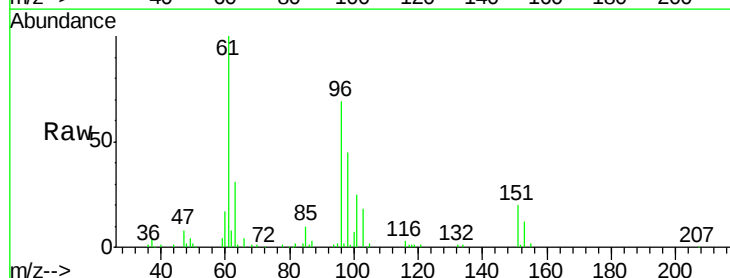
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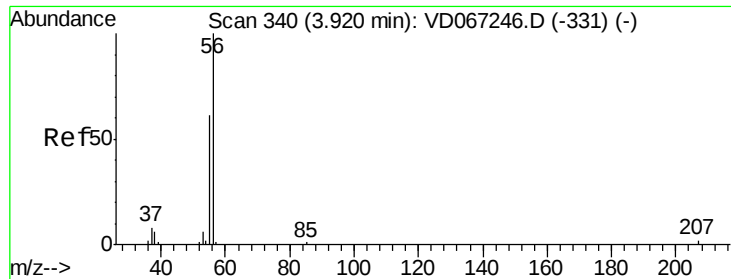


#12

1,1-Dichloroethene
Concen: 48.652 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion: 96 Resp: 127590
Ion Ratio Lower Upper
96 100
61 145.2 118.6 177.8
98 64.7 51.8 77.6





#13

Acrolein

Concen: 261.430 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 49946

Ion Ratio Lower Upper

56 100

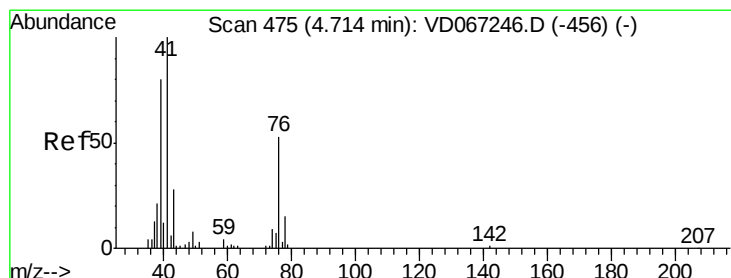
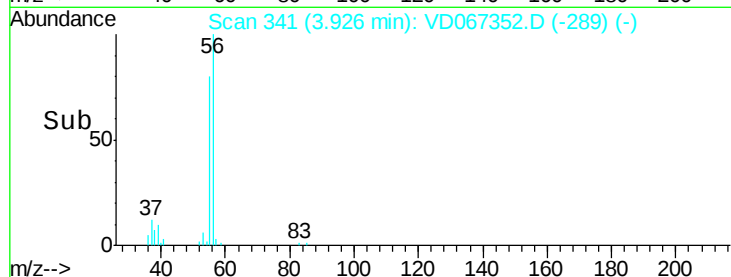
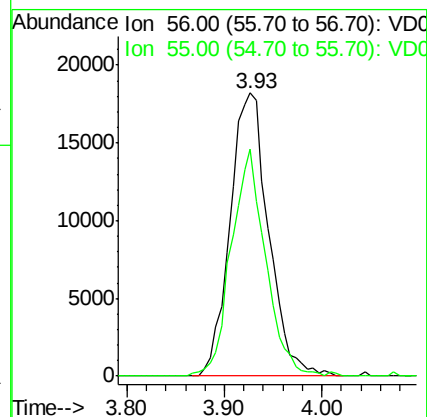
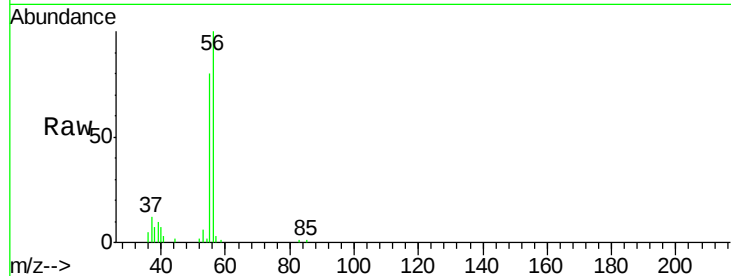
55 71.3 56.0 84.0

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#14

Allyl chloride

Concen: 48.045 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

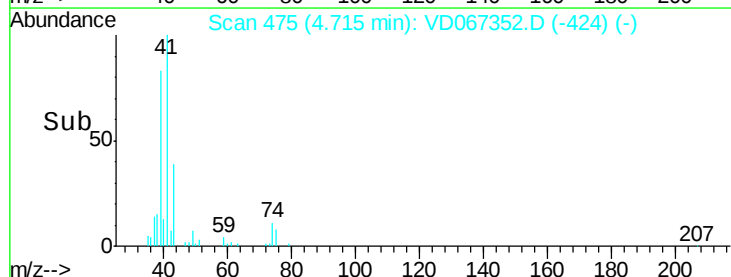
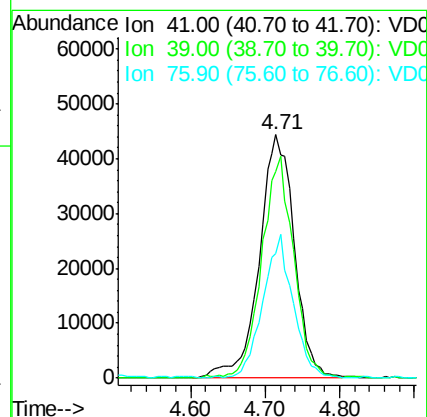
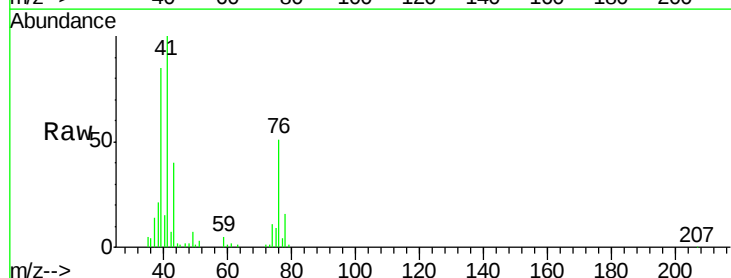
Tgt Ion: 41 Resp: 144290

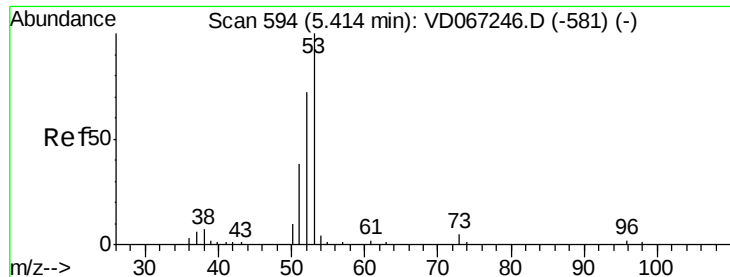
Ion Ratio Lower Upper

41 100

39 83.8 63.8 95.6

76 51.0 40.4 60.6





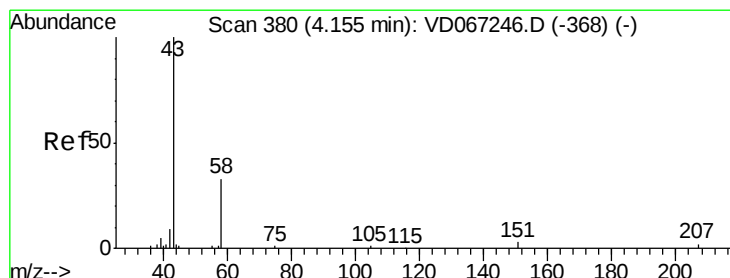
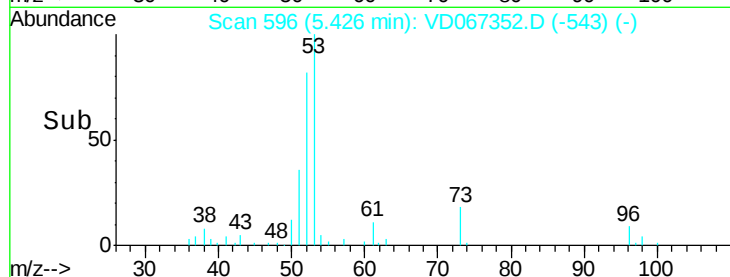
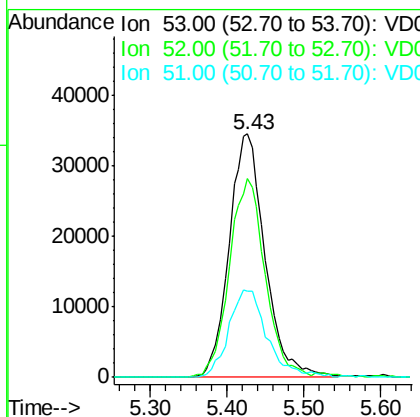
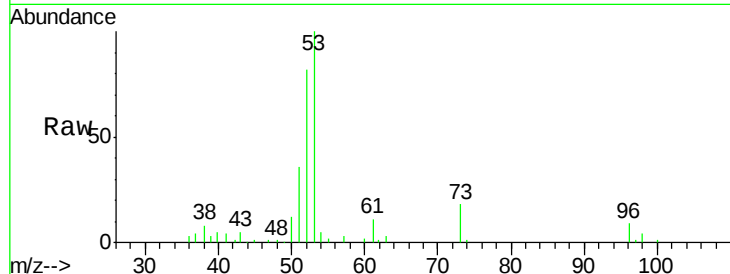
#15
Acrylonitrile
Concen: 265.992 ug/l
RT: 5.43 min Scan# 596
Delta R.T. 0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.6	98.4
51	38.5	30.8	46.2

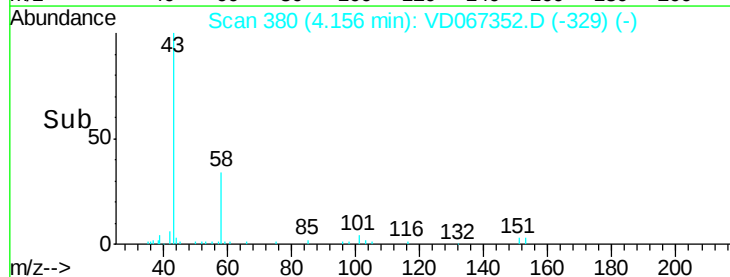
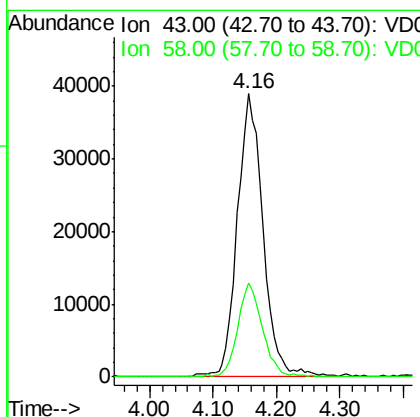
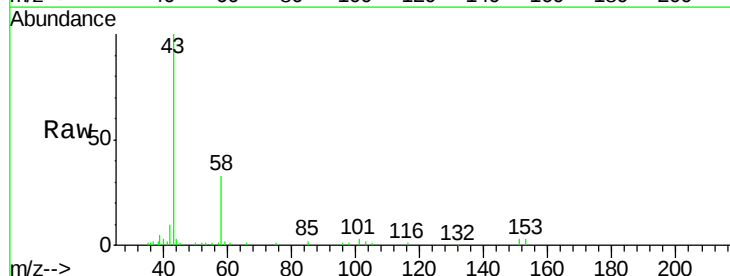
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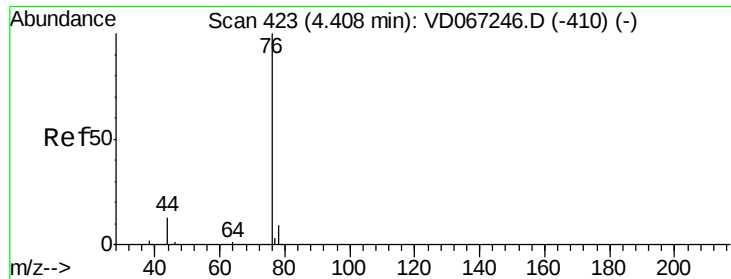
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#16
Acetone
Concen: 245.021 ug/l
RT: 4.16 min Scan# 380
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.1	39.1





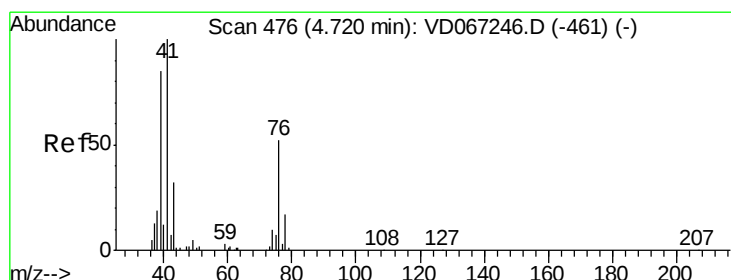
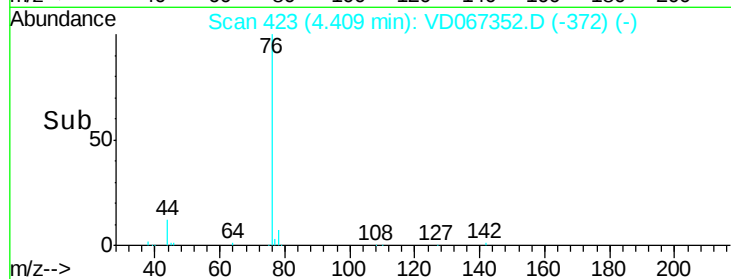
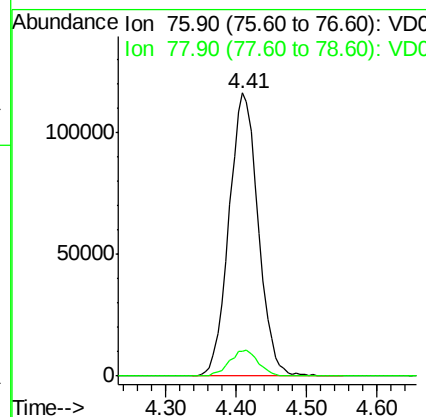
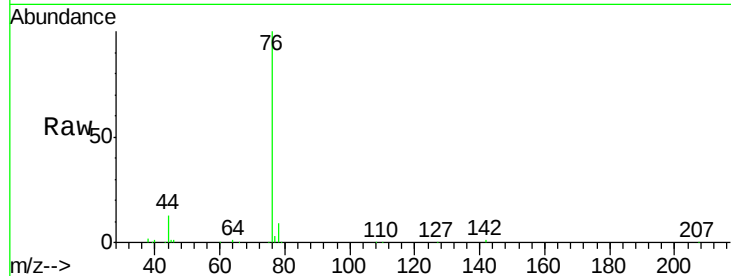
#17
Carbon Disulfide
Concen: 44.645 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

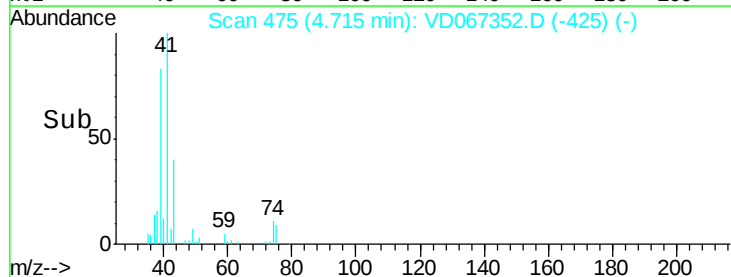
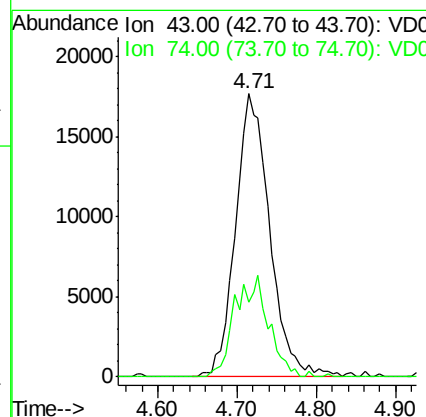
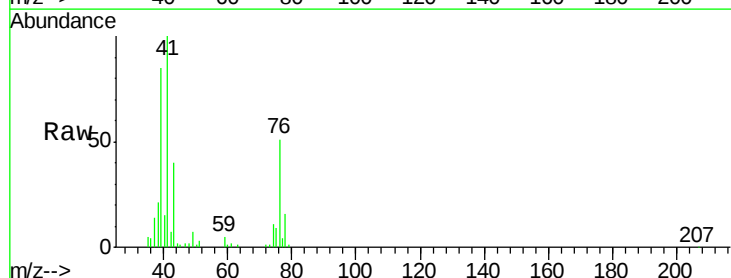
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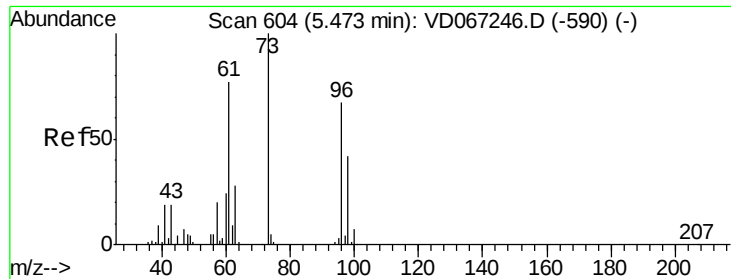
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#18
Methyl Acetate
Concen: 51.961 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	35.3	26.6	39.8





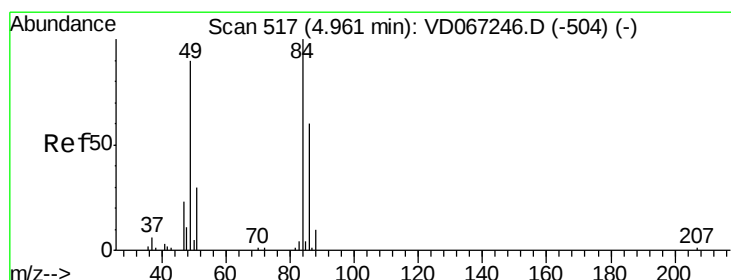
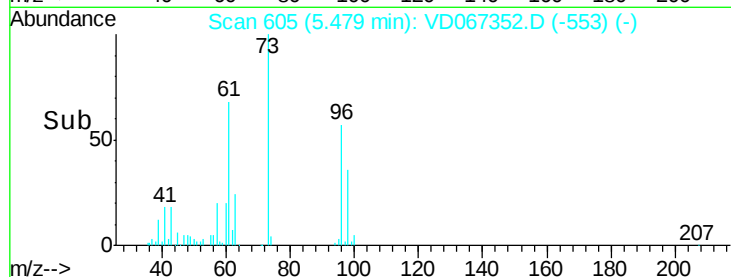
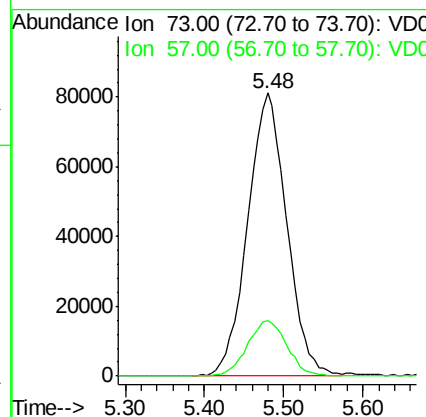
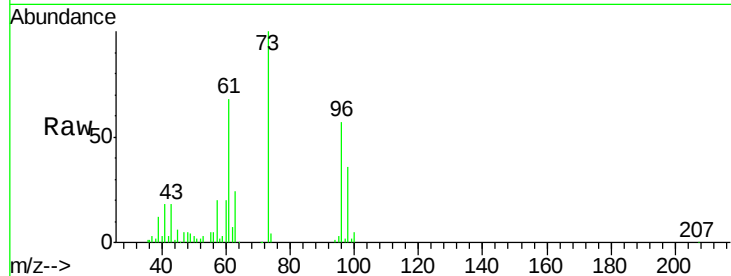
#19
Methvl tert-butvl Ether
Concen: 53.342 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 278156
Ion Ratio Lower Upper
73 100
57 19.7 15.7 23.5

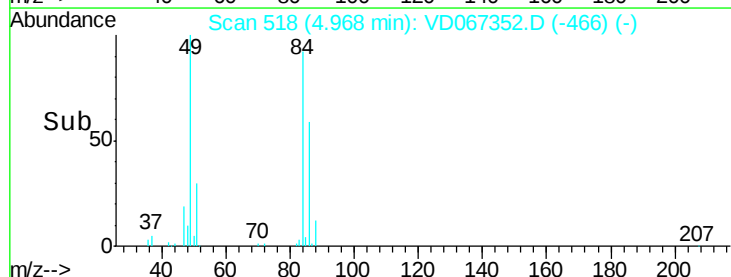
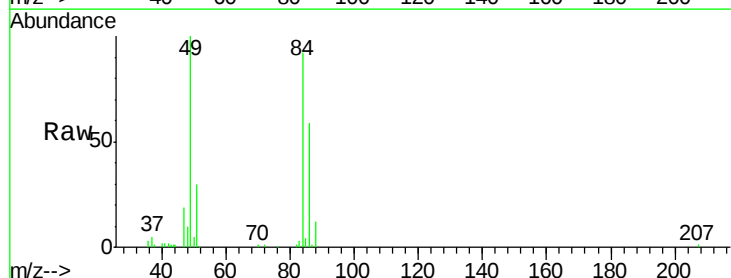
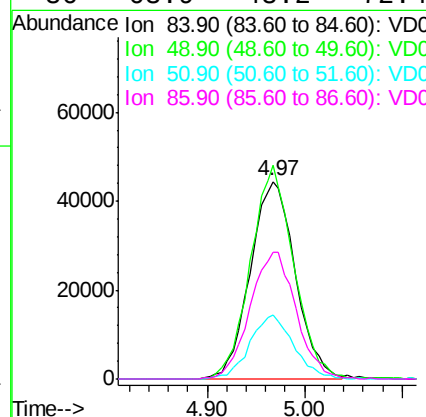
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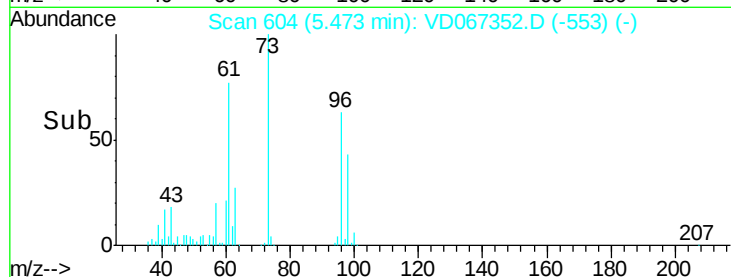
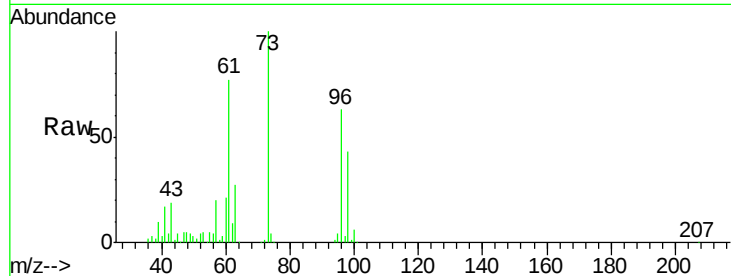
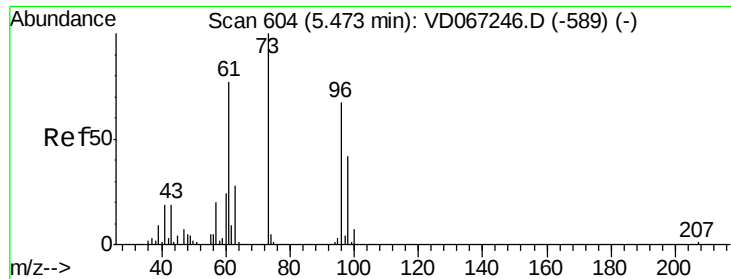
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#20
Methylene Chloride
Concen: 50.118 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion: 84 Resp: 143097
Ion Ratio Lower Upper
84 100
49 108.3 72.2 108.2#
51 32.2 23.8 35.8
86 63.9 48.2 72.4





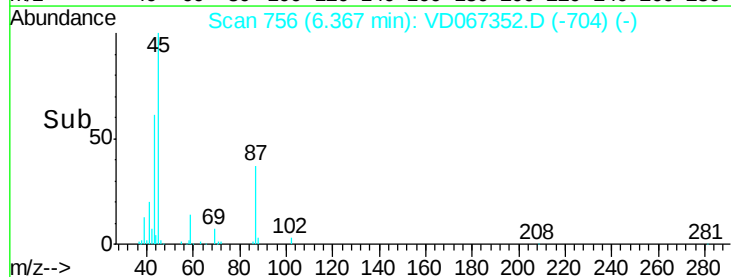
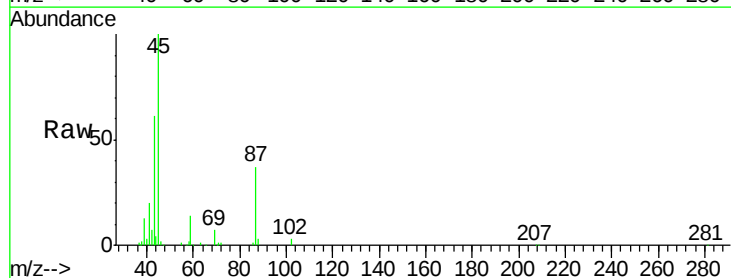
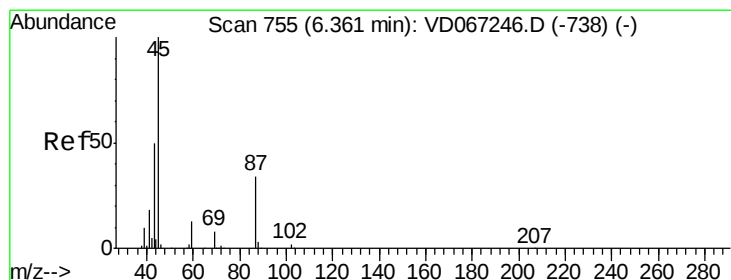
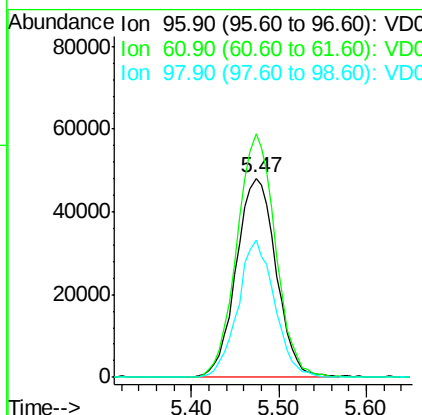
#21
trans-1,2-Dichloroethene
Concen: 49.390 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tot Ion	Ratio	Resp	Lower	Upper
96	100	149054		
61	122.3		92.0	138.0
98	68.8		49.8	74.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

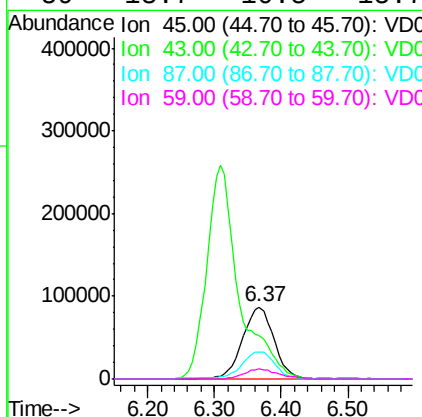
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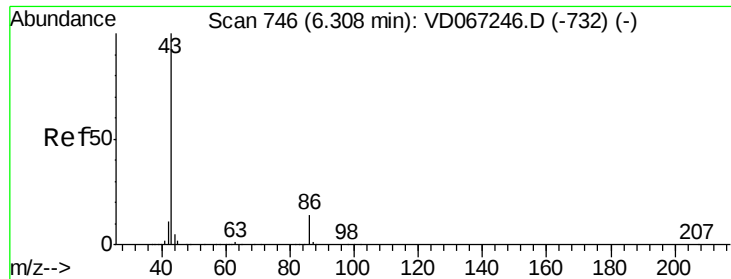
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#22
Diisopropyl ether
Concen: 51.598 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	283076		
43	60.1		48.0	72.0
87	36.8		28.5	42.7
59	13.7		10.5	15.7





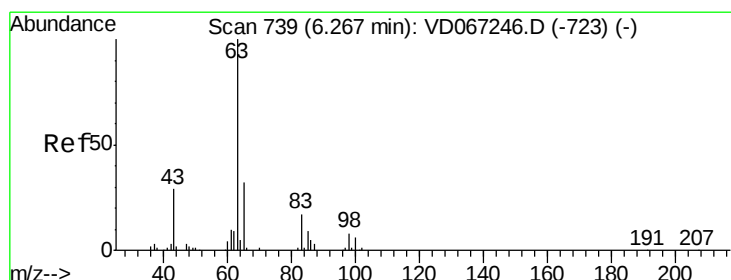
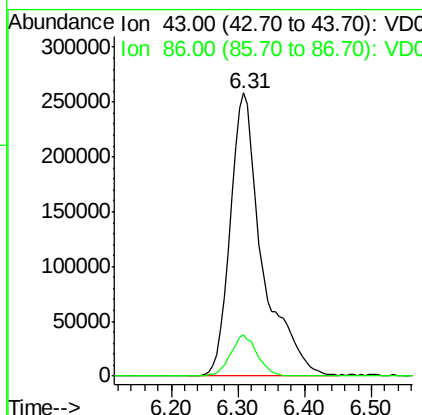
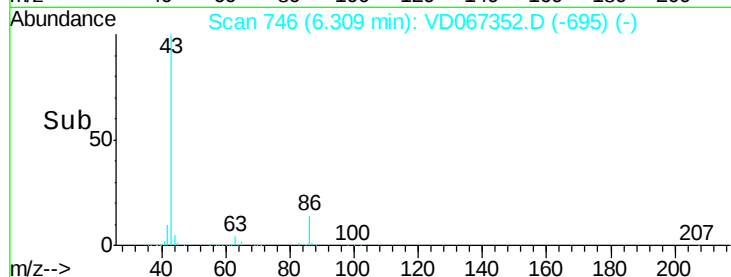
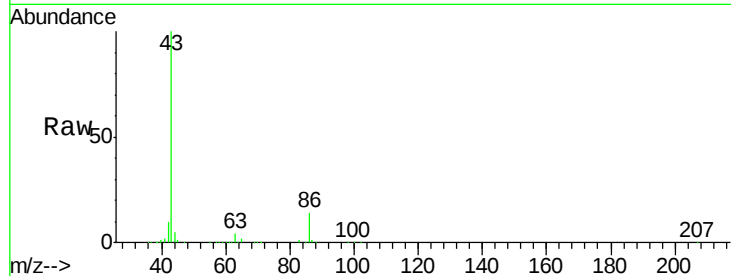
#23
 Vinyl Acetate
 Concen: 278.042 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067352.D
 Acq: 21 Oct 2020 17:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 867828
 Ion Ratio Lower Upper
 43 100
 86 14.5 11.0 16.6

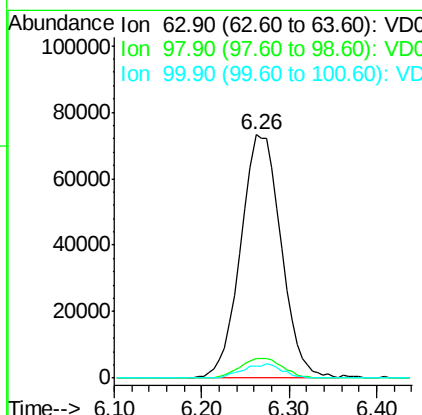
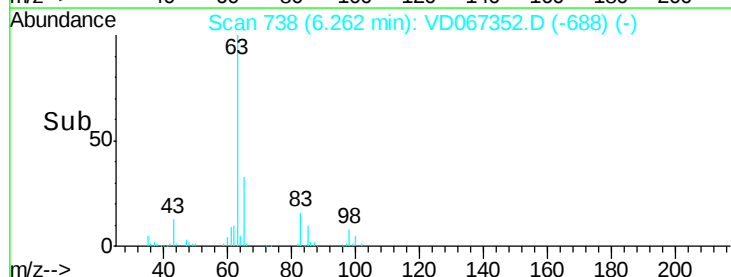
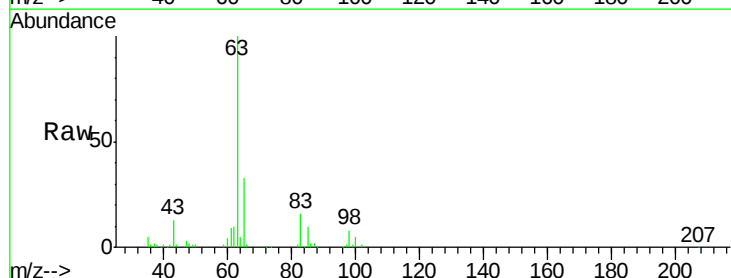
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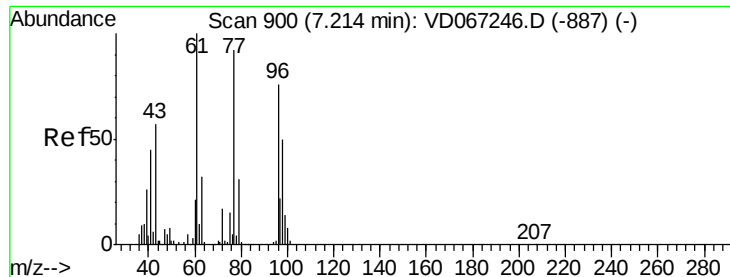
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#24
 1,1-Dichloroethane
 Concen: 49.173 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD067352.D
 Acq: 21 Oct 2020 17:16

Tgt Ion: 63 Resp: 230927
 Ion Ratio Lower Upper
 63 100
 98 7.9 4.0 12.2
 100 5.1 2.8 8.4





#25

2-Butanone

Concen: 271.058 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 137755

Ion Ratio Lower Upper

43 100

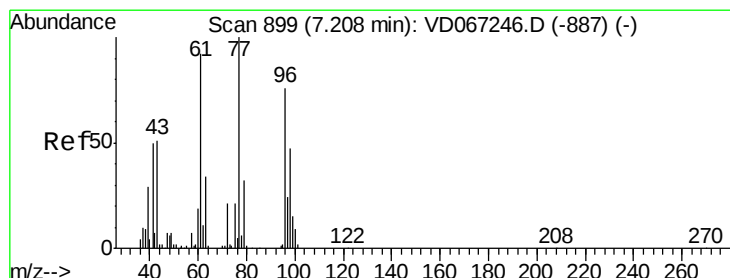
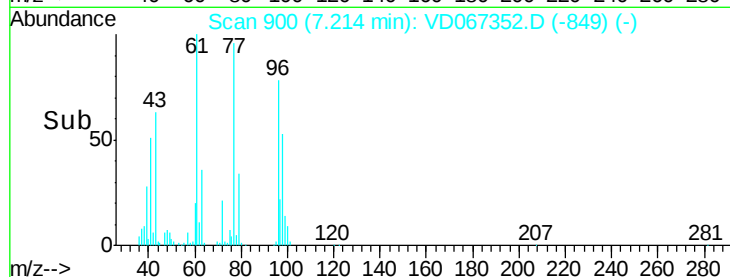
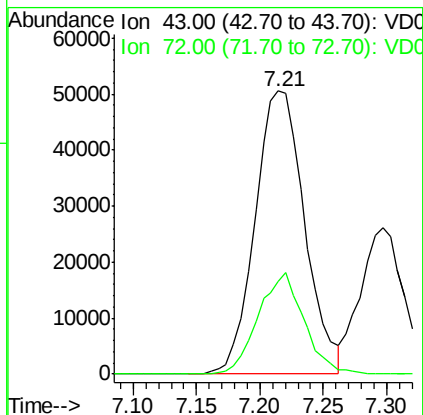
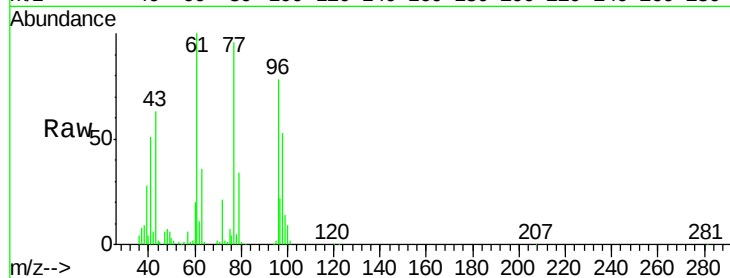
72 32.9 23.7 35.5

Manual Integrations

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10/22/2020 5:19:21 PM



#26

2,2-Dichloropropane

Concen: 47.695 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067352.D

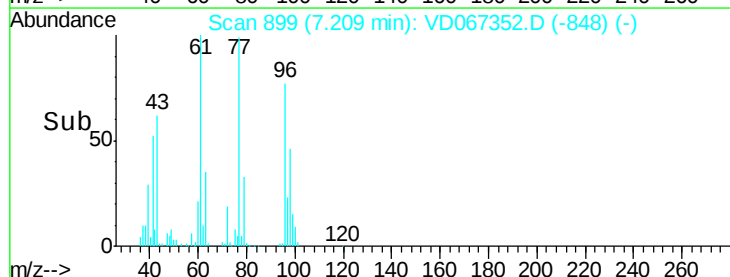
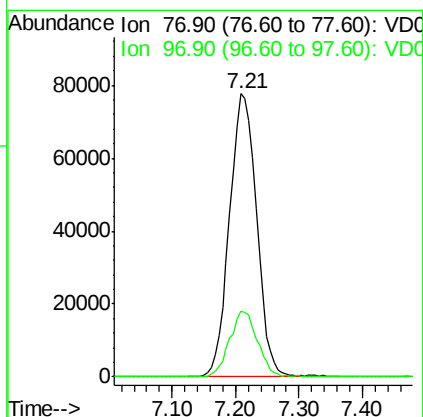
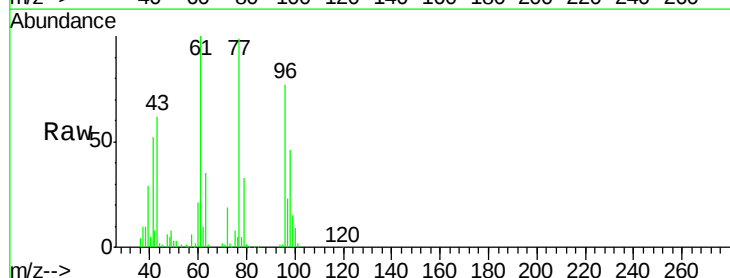
Acq: 21 Oct 2020 17:16

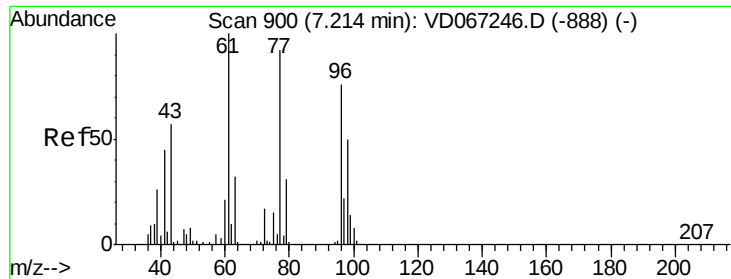
Tgt Ion: 77 Resp: 230869

Ion Ratio Lower Upper

77 100

97 23.7 11.4 34.2





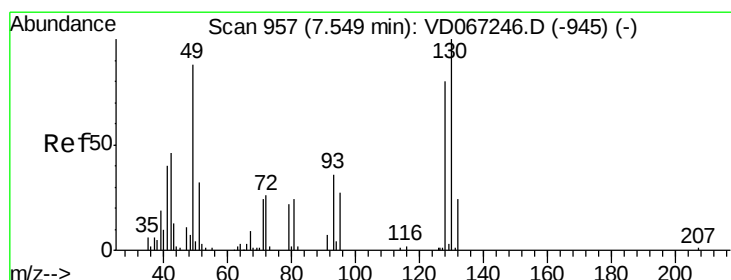
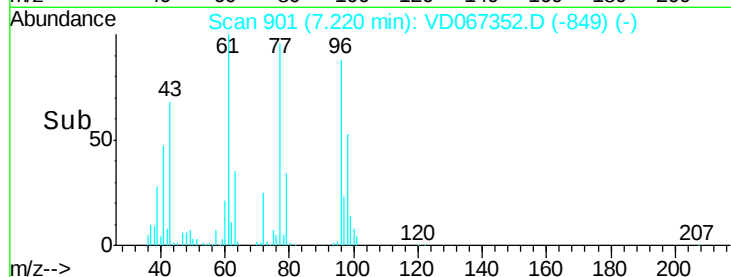
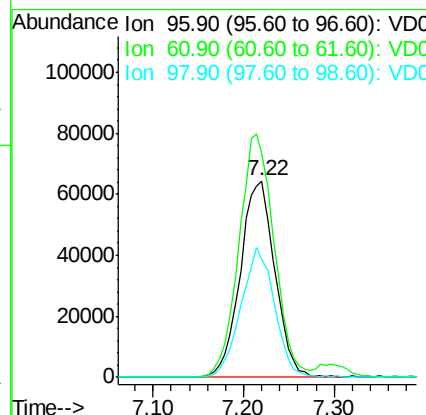
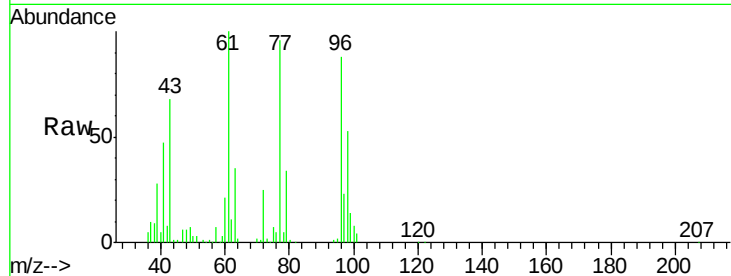
#27
 cis-1,2-Dichloroethene
 Concen: 51.778 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD067352.D
 Acq: 21 Oct 2020 17:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	171257		
61	125.5		0.0	255.4
98	64.0		0.0	128.0

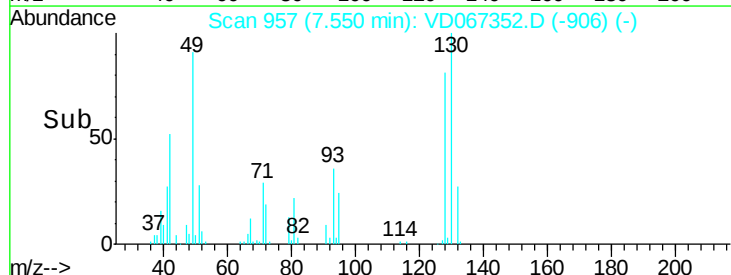
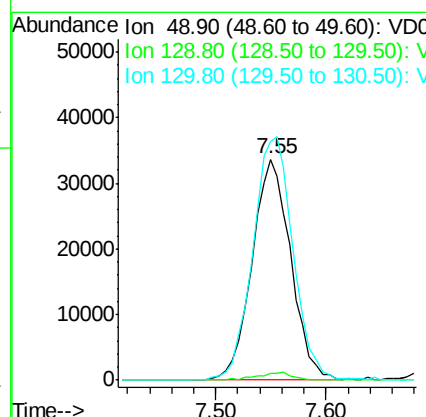
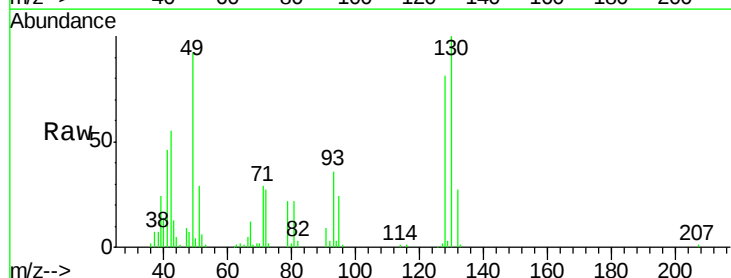
Manual Integrations
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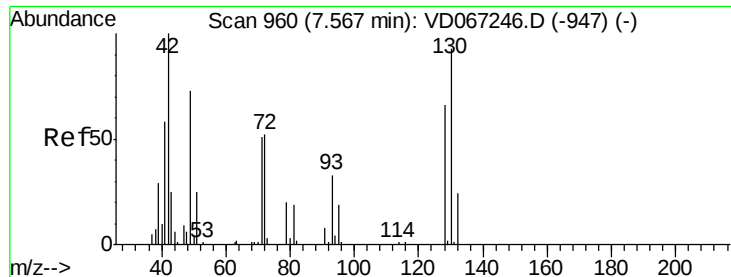
MMDadoda
 10/22/2020 5:19:21 PM



#28
 Bromochloromethane
 Concen: 51.668 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067352.D
 Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	82763		
129	3.0		0.0	1.6#
130	114.0		91.0	136.6





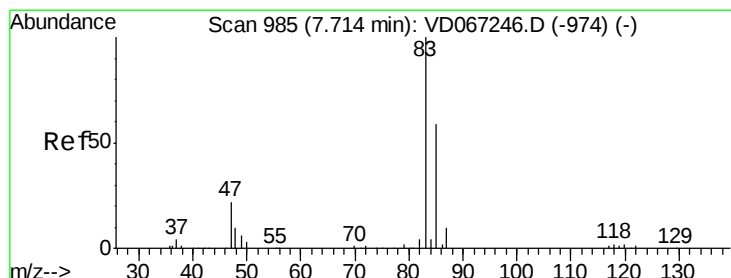
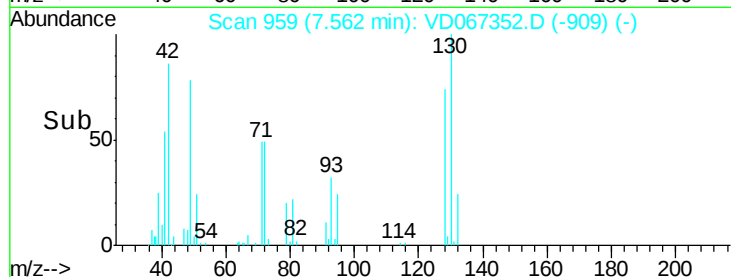
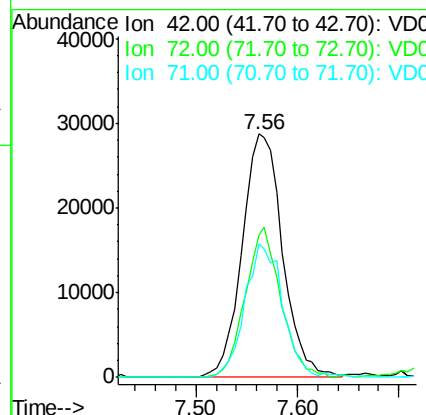
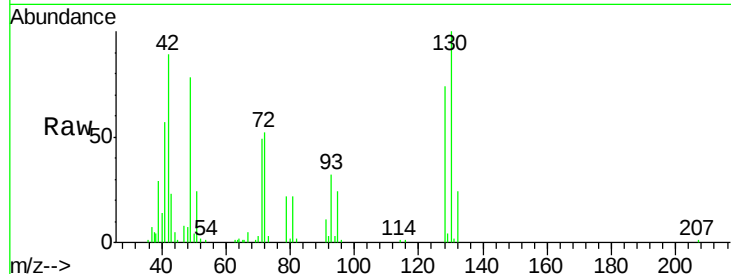
#29
Tetrahydrofuran
Concen: 281.457 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.3	43.2	64.8
71	51.2	39.4	59.0

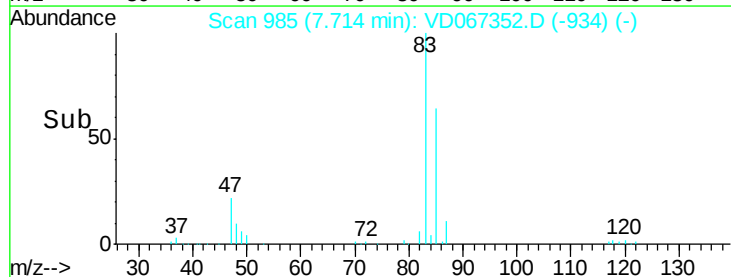
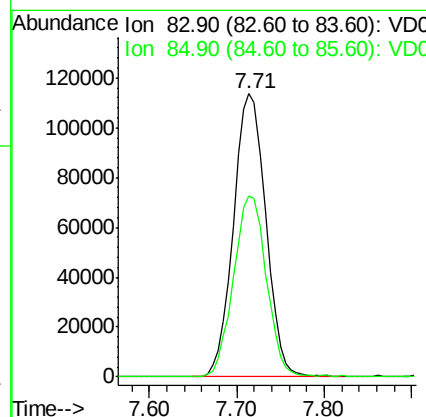
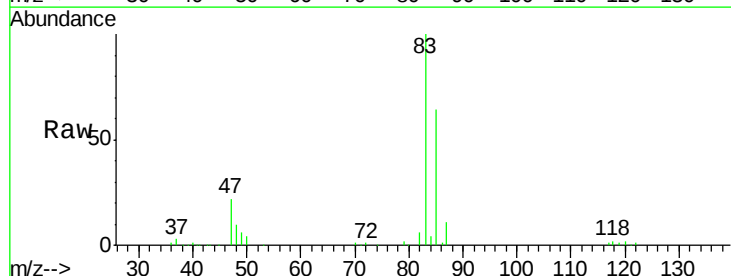
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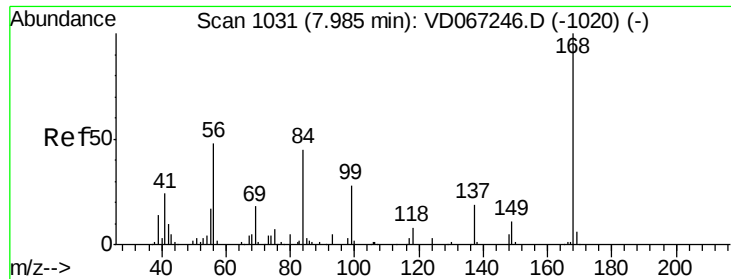
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#30
Chloroform
Concen: 50.921 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	47.3	70.9





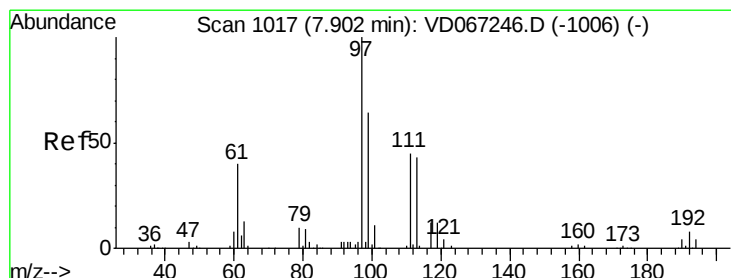
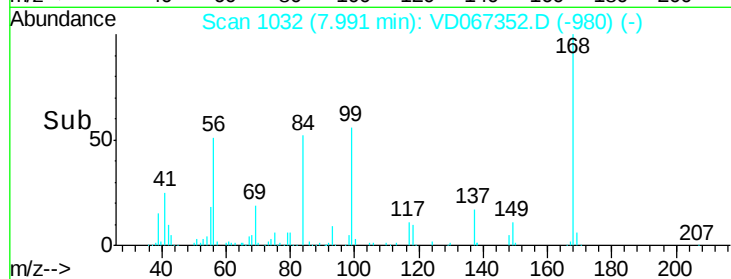
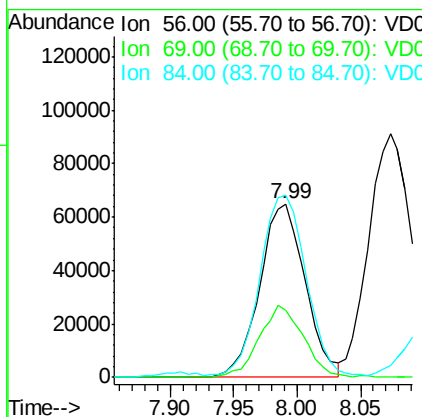
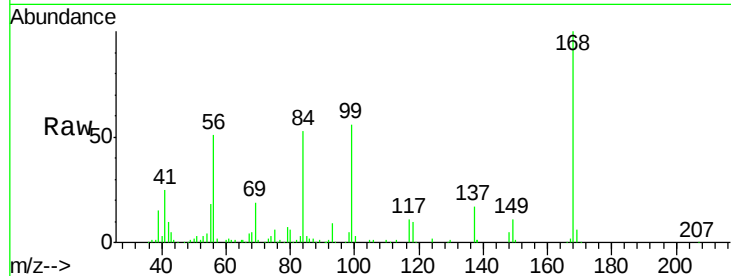
#31
Cyclohexane
Concen: 43.994 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	29.8	44.6
84	103.2	76.6	114.8

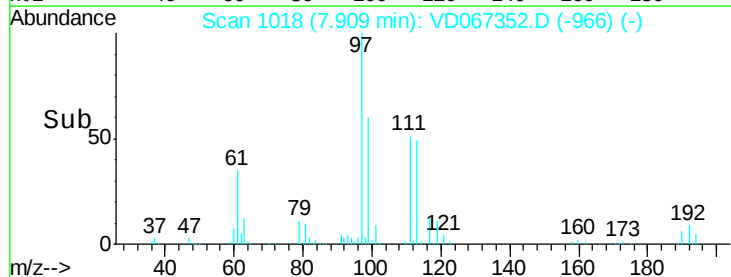
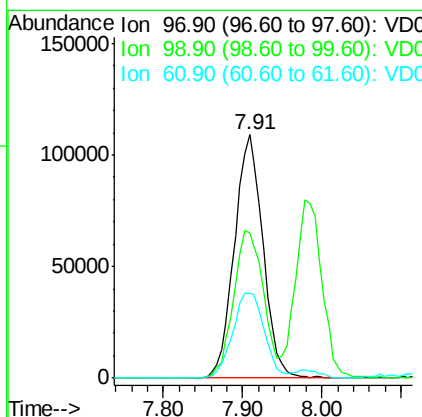
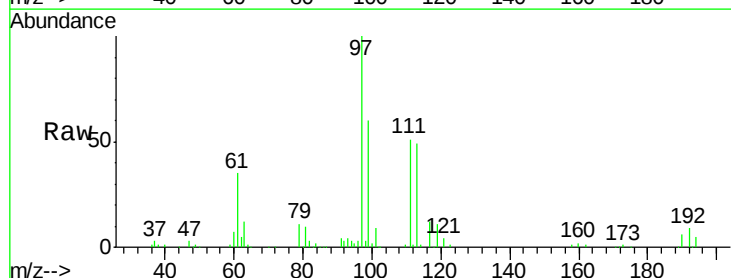
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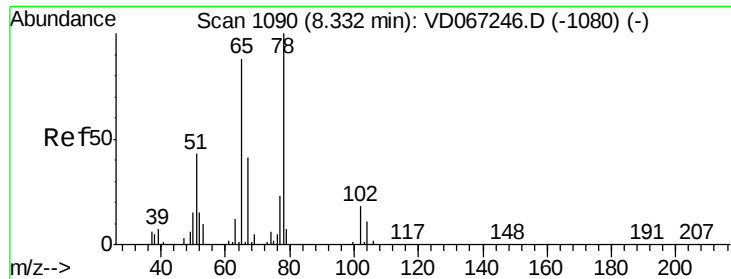
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#32
1,1,1-Trichloroethane
Concen: 49.412 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.2	75.4
61	38.7	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 51.722 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 164652

Ion Ratio Lower Upper

65 100

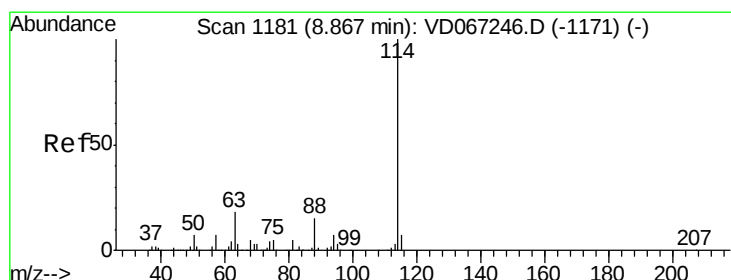
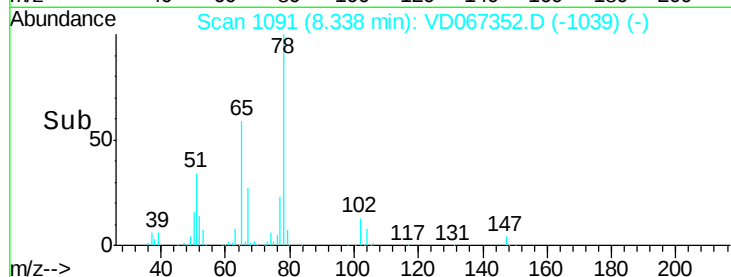
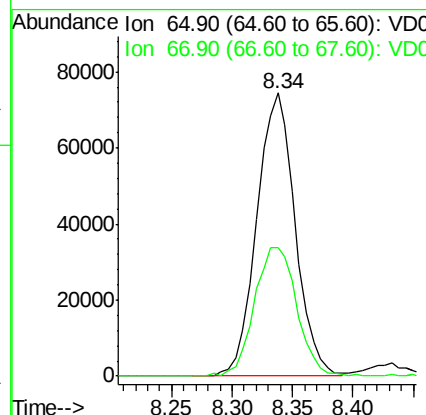
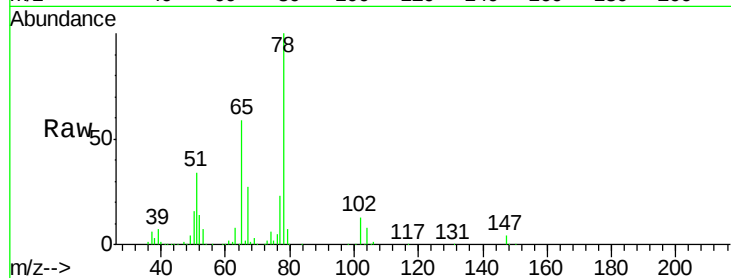
67 50.5 0.0 103.8

Manual Integrations

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10/22/2020 5:19:21 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

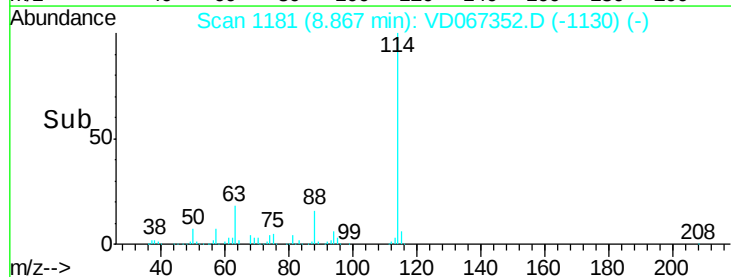
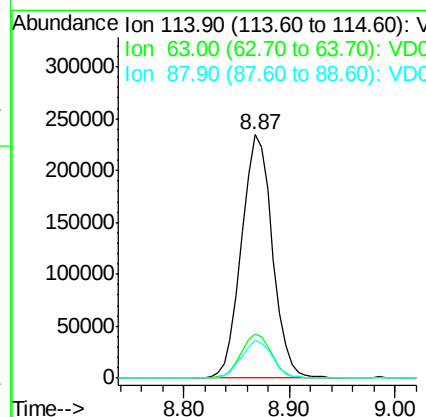
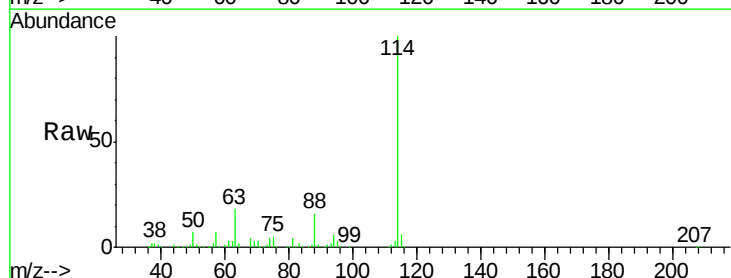
Tgt Ion: 114 Resp: 475592

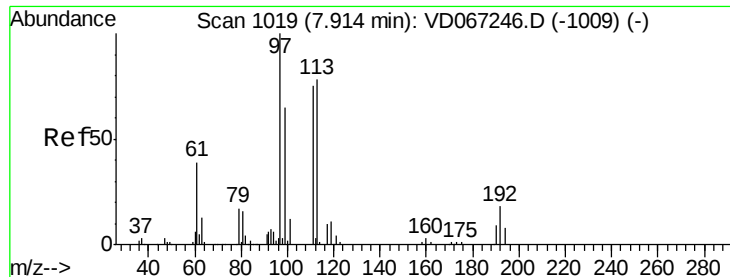
Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.0

88 15.5 0.0 30.6





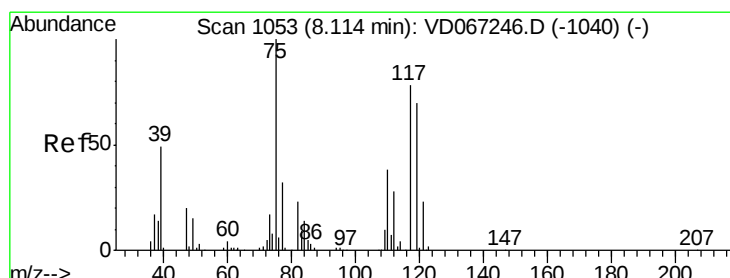
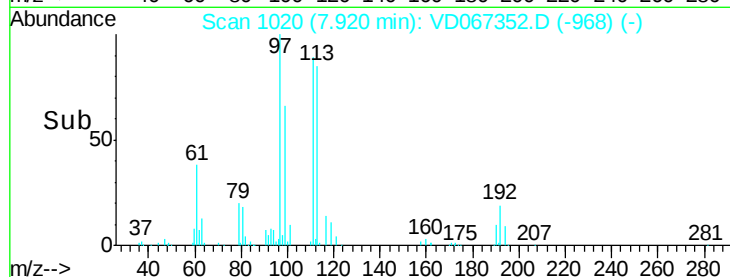
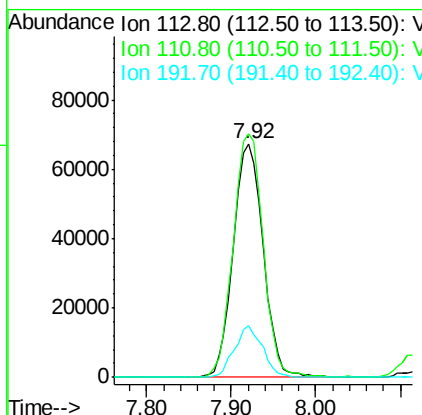
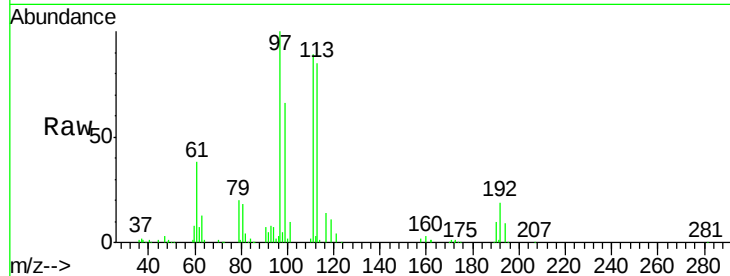
#35
 Dibromofluoromethane
 Concen: 52.169 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067352.D
 Acq: 21 Oct 2020 17:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.6	122.4
192	20.7	17.0	25.4

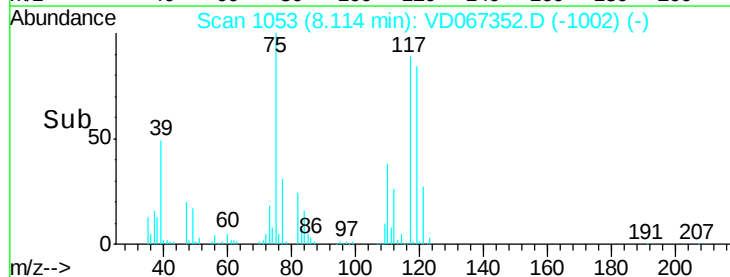
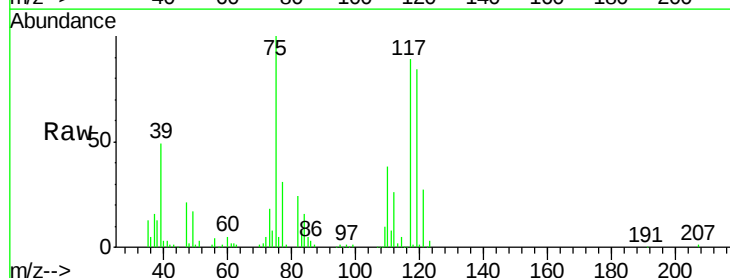
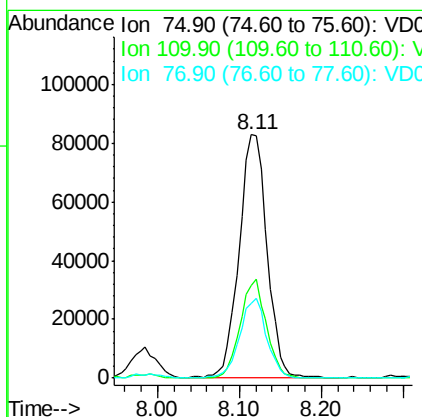
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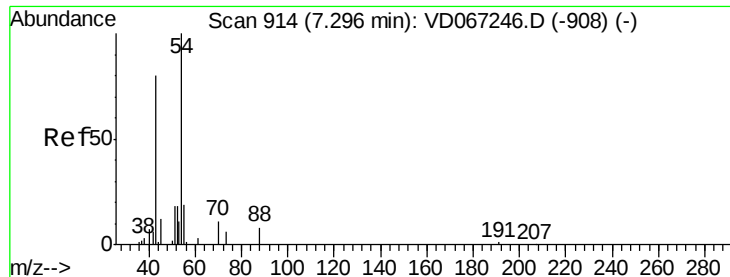
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#36
 1,1-Dichloropropene
 Concen: 49.178 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067352.D
 Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	19.6	58.7
77	31.5	24.6	37.0





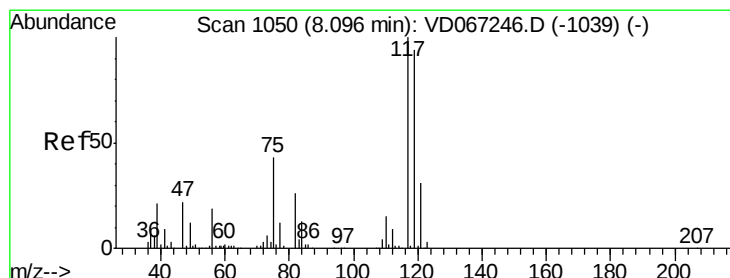
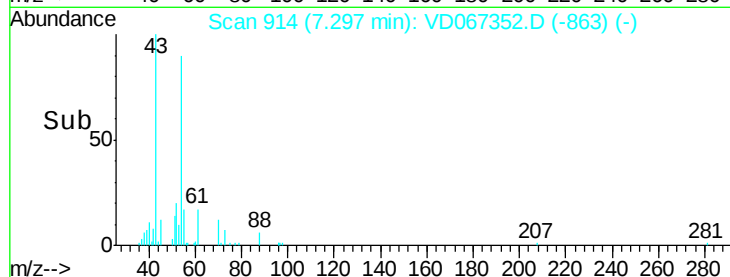
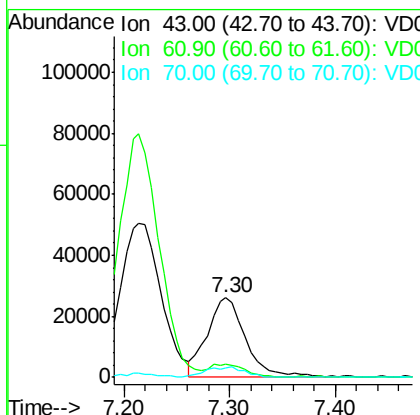
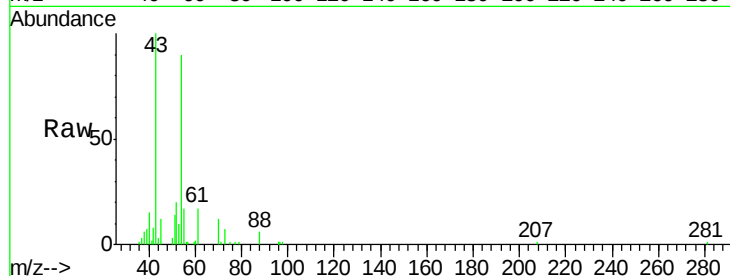
#37
Ethyl Acetate
Concen: 54.158 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	15.6	23.4
70	13.6	10.4	15.6

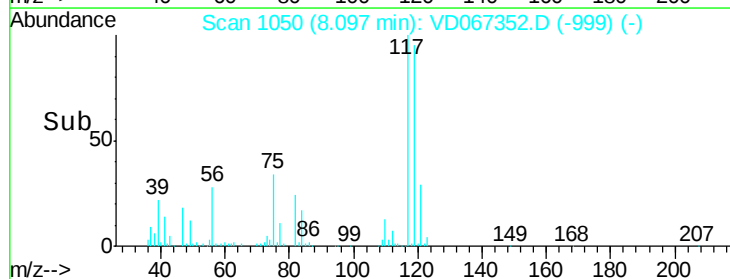
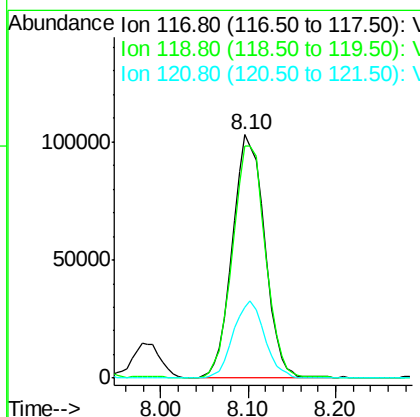
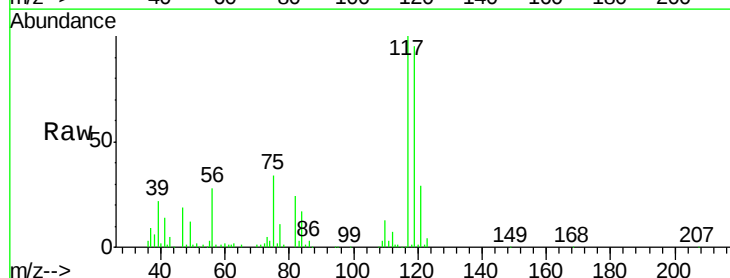
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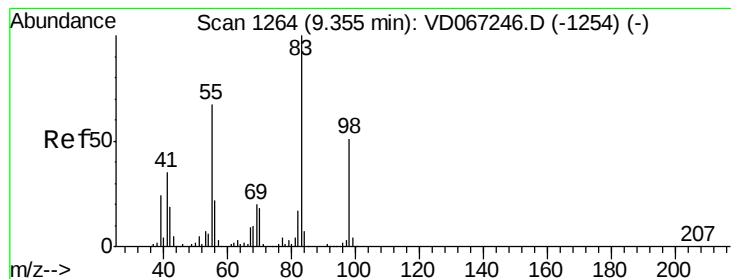
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#38
Carbon Tetrachloride
Concen: 50.076 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.0	112.4
121	29.1	24.9	37.3





#39

Methvlcvclohexane

Concen: 48.845 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

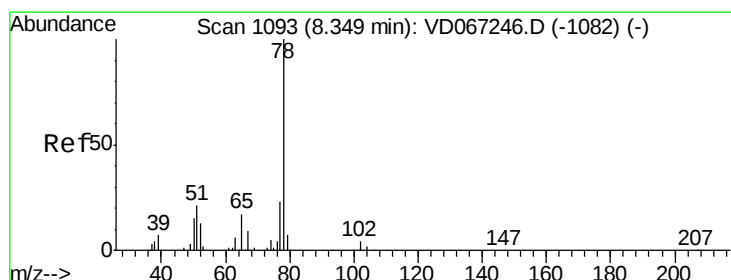
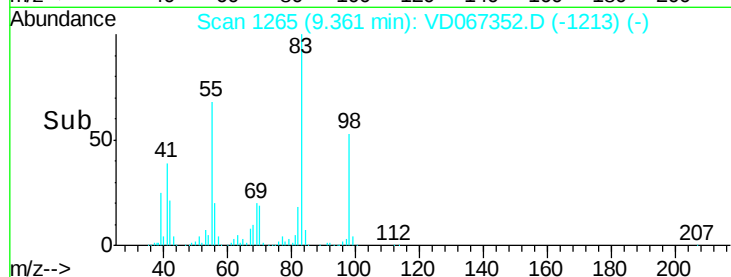
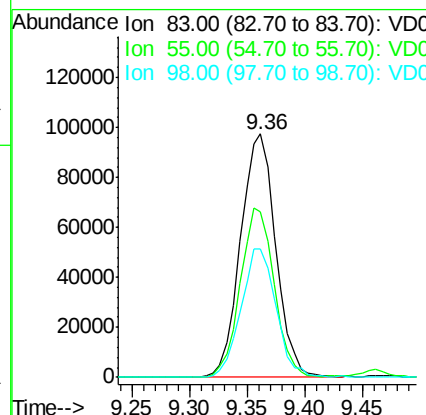
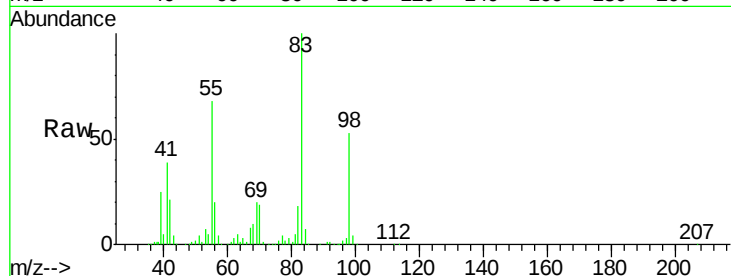
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	205838
Ion Ratio	Lower	Upper	
83	100		
55	67.9	53.3	79.9
98	53.0	41.0	61.4

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#40

Benzene

Concen: 50.645 ug/l

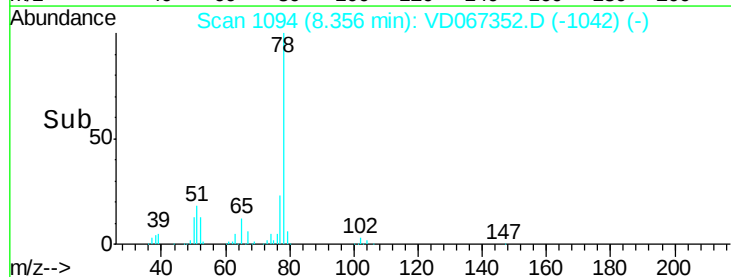
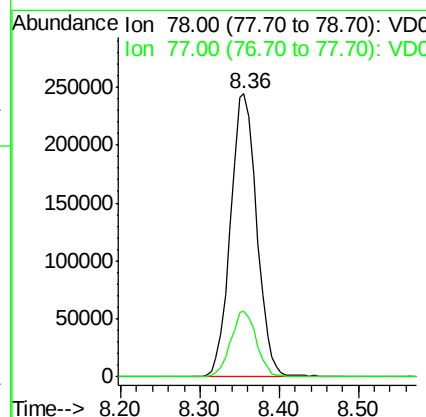
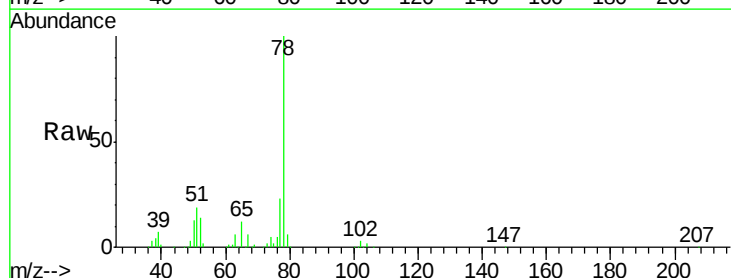
RT: 8.36 min Scan# 1094

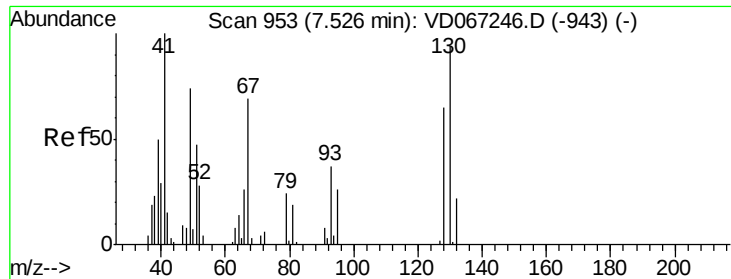
Delta R.T. 0.01 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Tgt Ion:	78	Resp:	560053
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.3	27.5





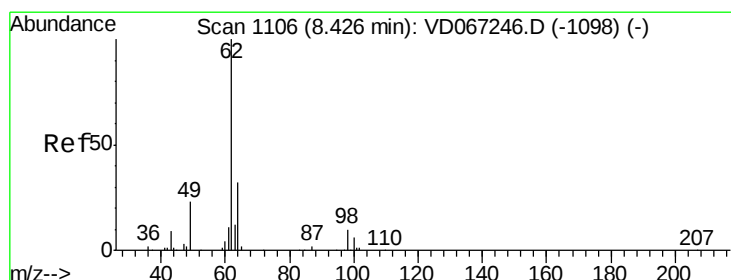
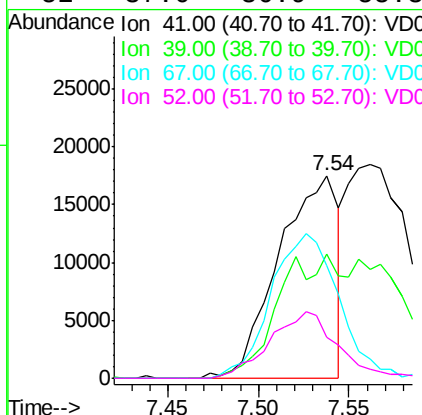
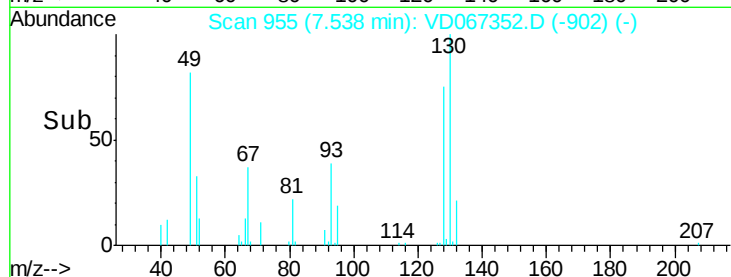
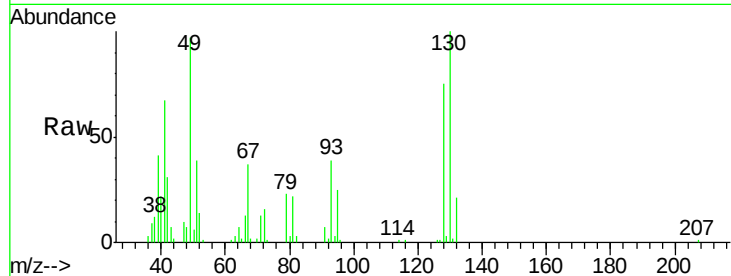
#41
Methacrylonitrile
Concen: 62.570 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	40100
Ion Ratio	Lower	Upper	
41	100		
39	35.3	60.0	90.0#
67	81.3	88.9	133.3#
52	37.0	36.9	55.3

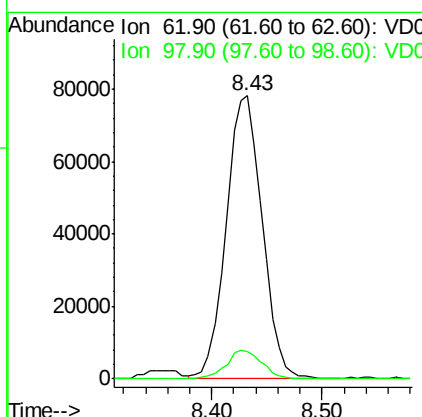
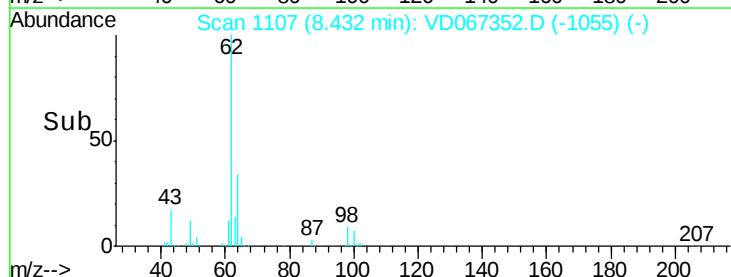
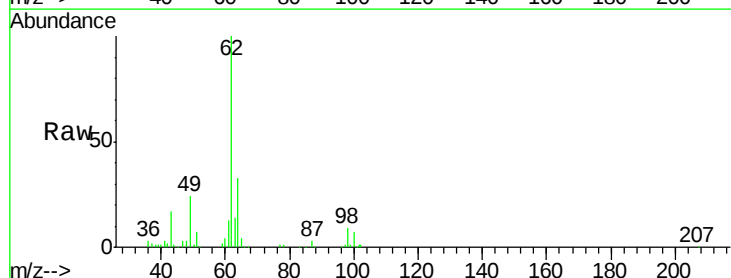
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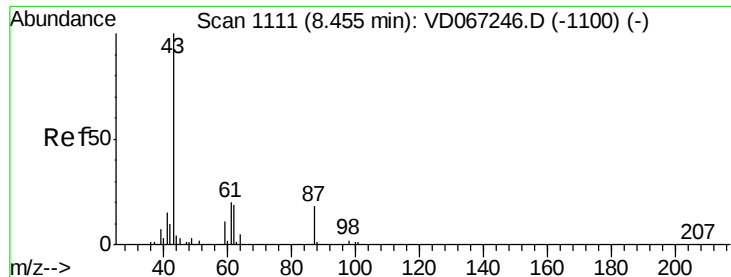
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#42
1,2-Dichloroethane
Concen: 51.401 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	62	Resp	177884
Ion Ratio	Lower	Upper	
62	100		
98	10.3	0.0	19.4





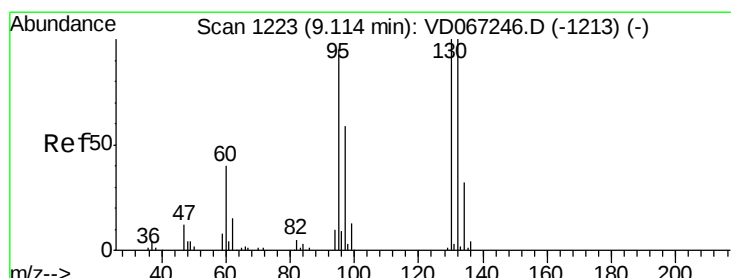
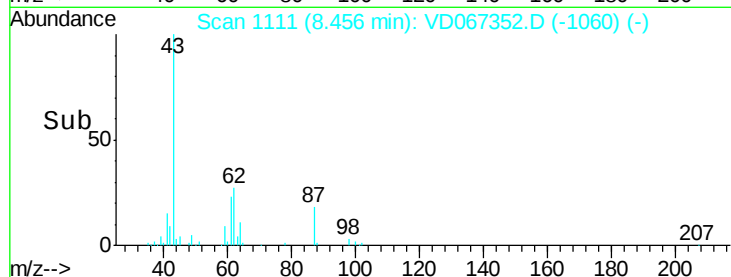
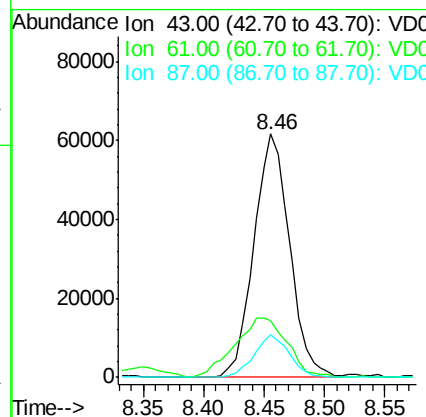
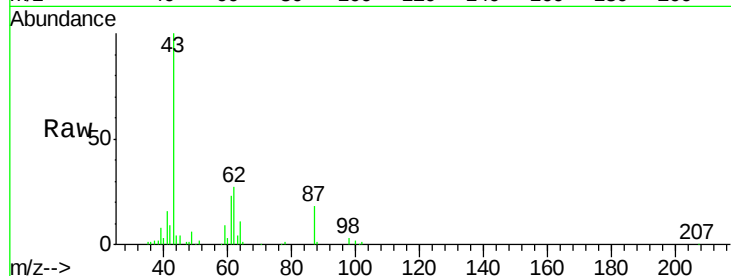
#43
Isopropyl Acetate
Concen: 54.212 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.8	29.5	44.3
87	17.1	14.2	21.4

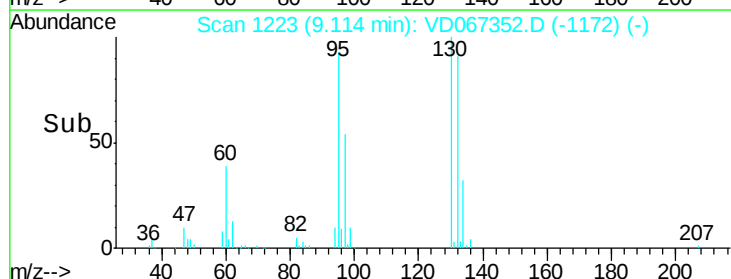
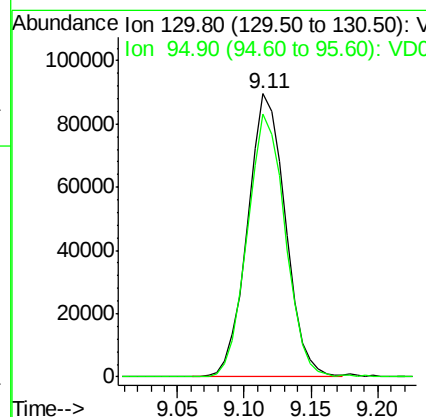
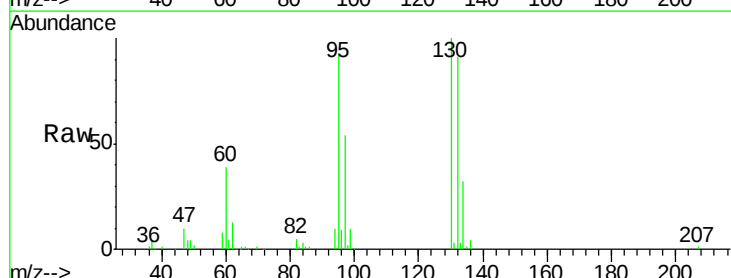
Manual Integrations
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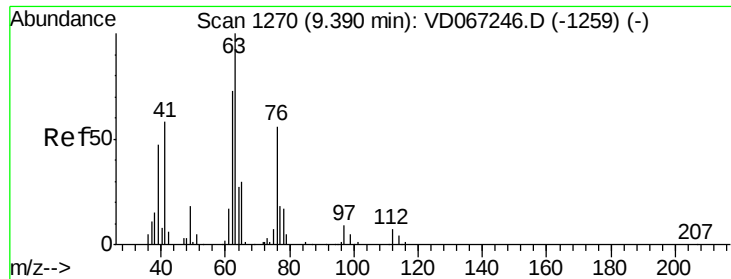
MMDadoda
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#44
Trichloroethene
Concen: 49.536 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	190.6





#45

1,2-Dichloropropane

Concen: 50.629 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 129756

Ion Ratio Lower Upper

63 100

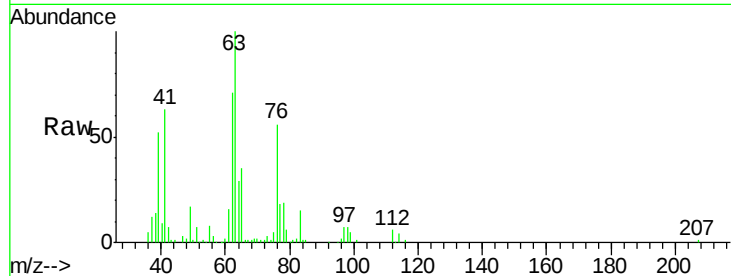
65 35.2 24.6 36.8

Manual Integrations

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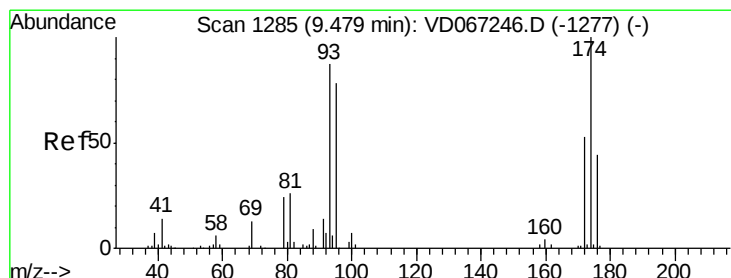
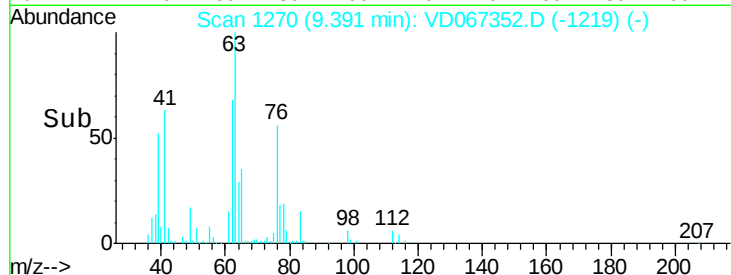
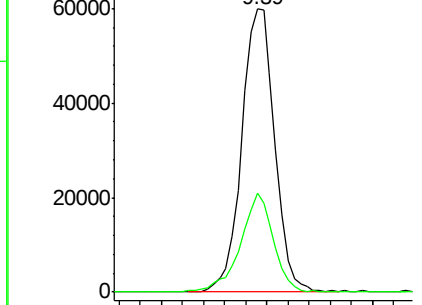
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10/22/2020 5:19:21 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 51.948 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

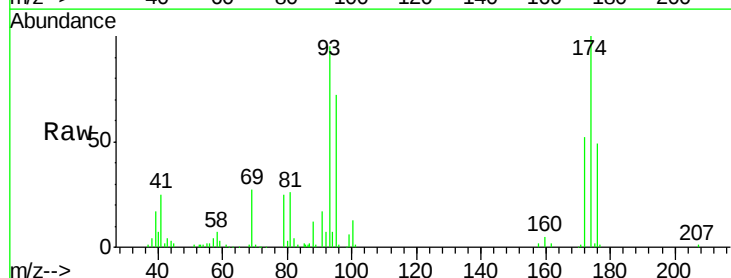
Tgt Ion: 93 Resp: 82952

Ion Ratio Lower Upper

93 100

95 80.0 68.0 102.0

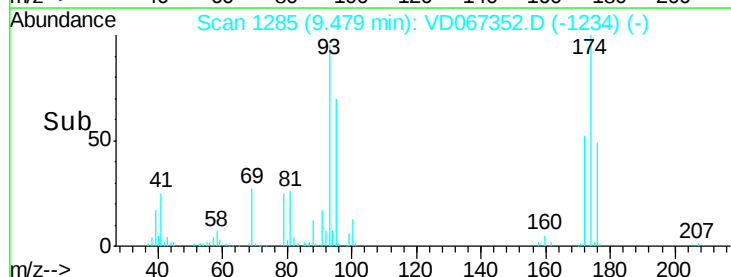
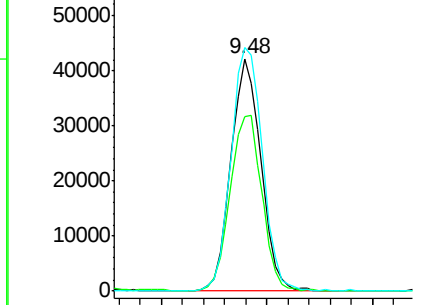
174 109.4 91.8 137.6

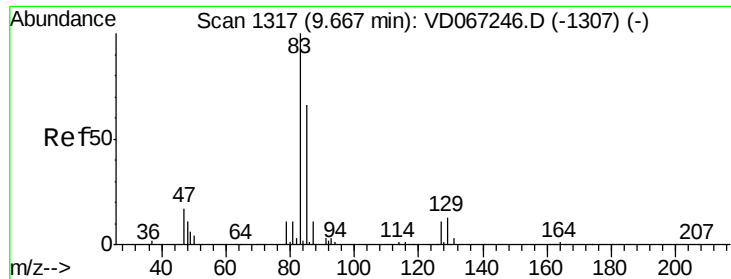


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





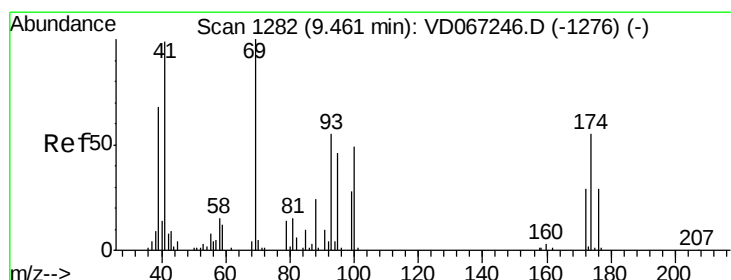
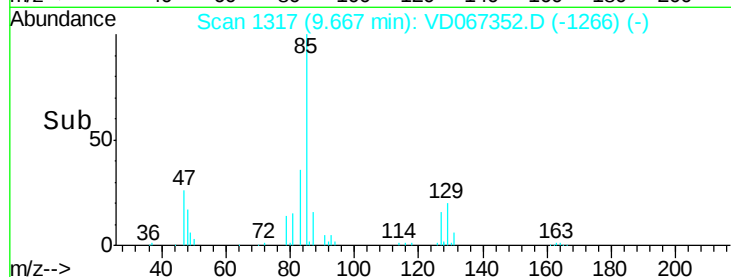
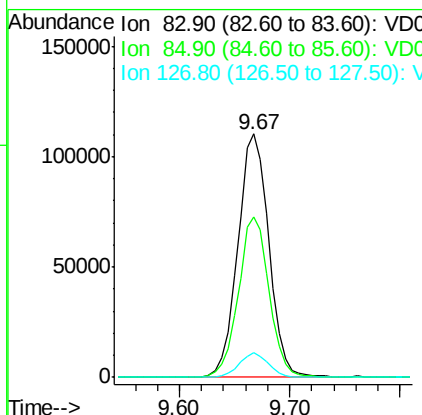
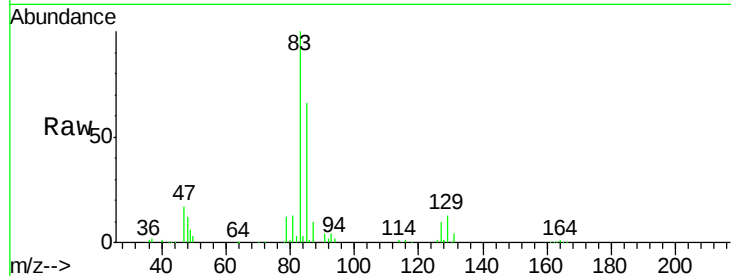
#47
Bromodichloromethane
Concen: 50.986 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	218131		
85	66.0	53.1	79.7	
127	10.4	8.6	13.0	

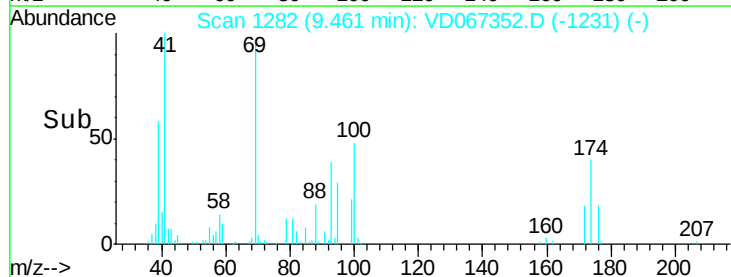
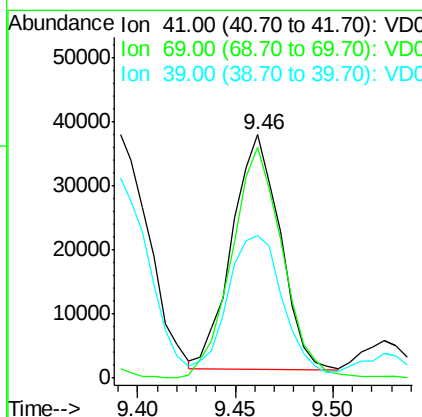
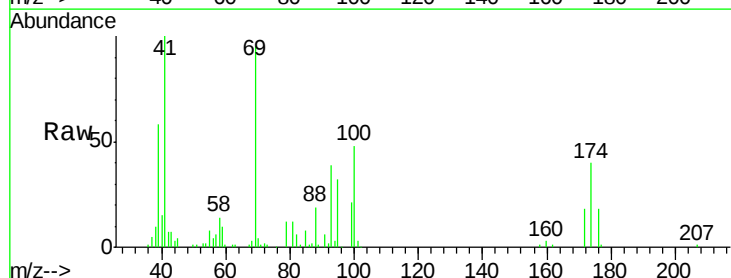
Manual Integrations
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#48
Methyl methacrylate
Concen: 54.690 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	62545		
69	104.3	89.0	133.6	
39	71.1	60.2	90.2	





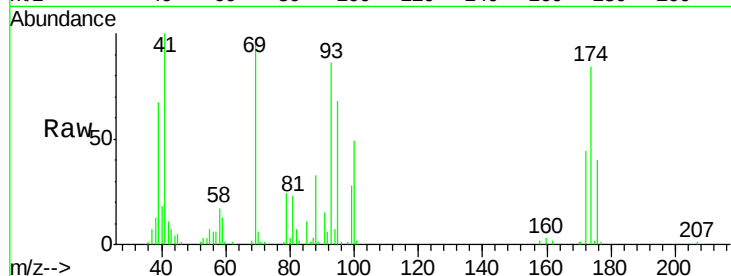
#49
1,4-Dioxane
Concen: 1162.455 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

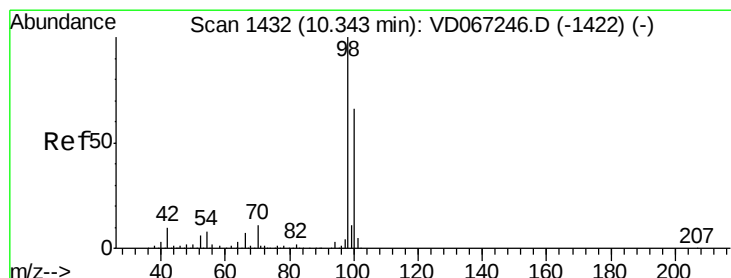
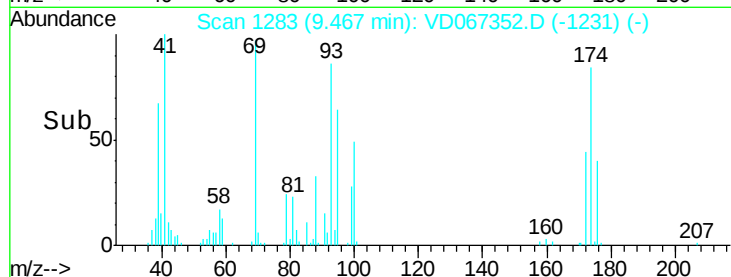
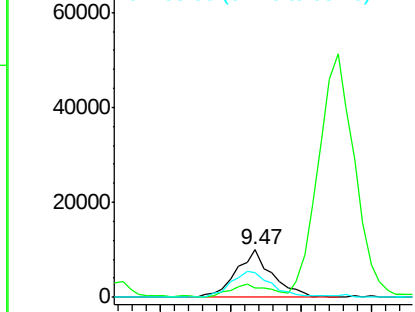
Tot Ion	88	Resp	17887
Ion	Ratio	Lower	Upper
88	100		
43	31.7	23.9	35.9
58	62.3	51.0	76.6

Manual Integrations
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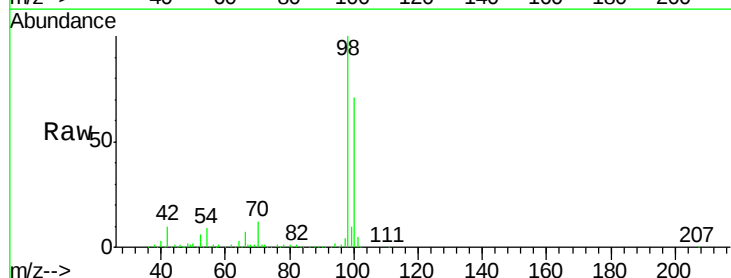


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

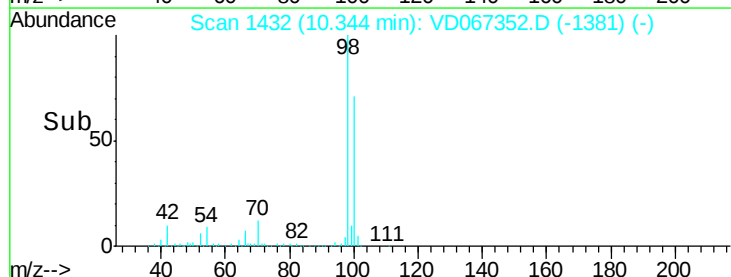
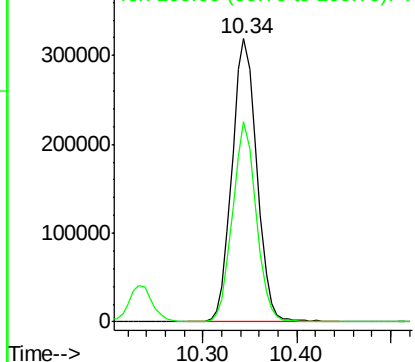


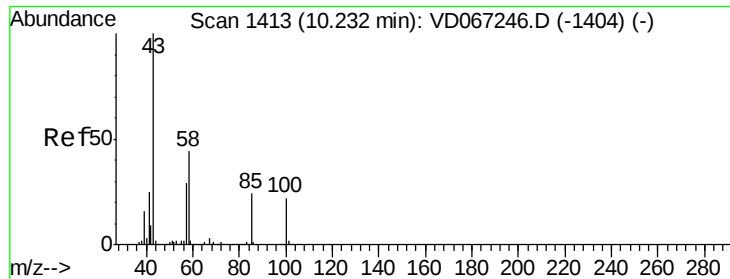
#50
Toluene-d8
Concen: 50.996 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	98	Resp	584109
Ion	Ratio	Lower	Upper
98	100		
100	67.7	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: 275.801 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 323722

Ion Ratio Lower Upper

43 100

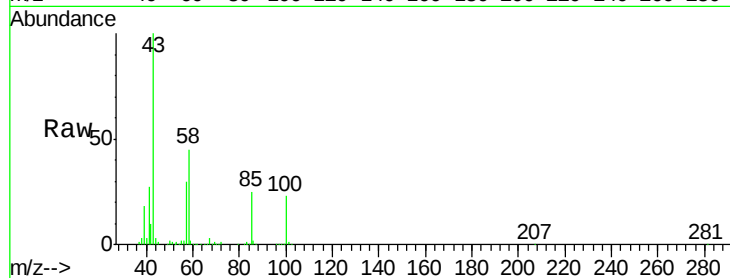
58 44.3 35.7 53.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

200000

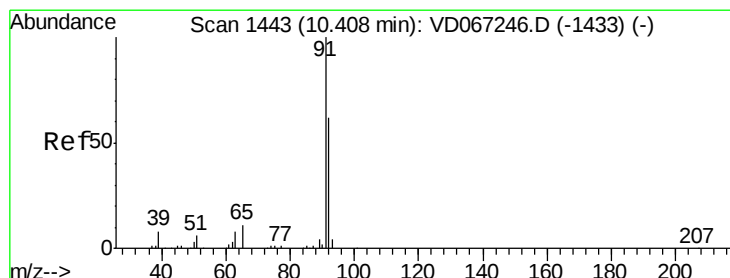
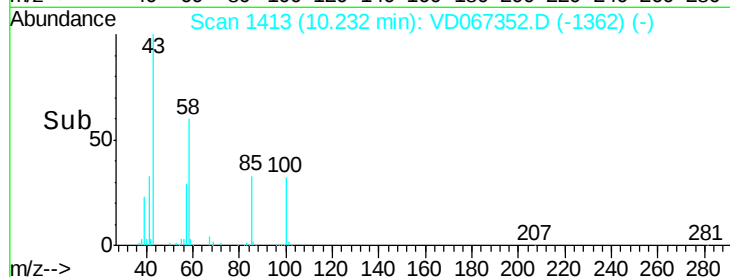
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 60.568 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067352.D

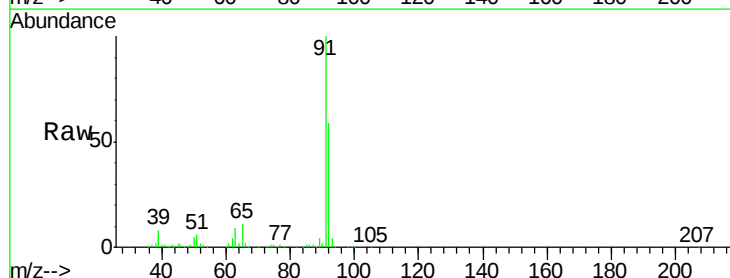
Acq: 21 Oct 2020 17:16

Tgt Ion: 92 Resp: 456195

Ion Ratio Lower Upper

92 100

91 170.8 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

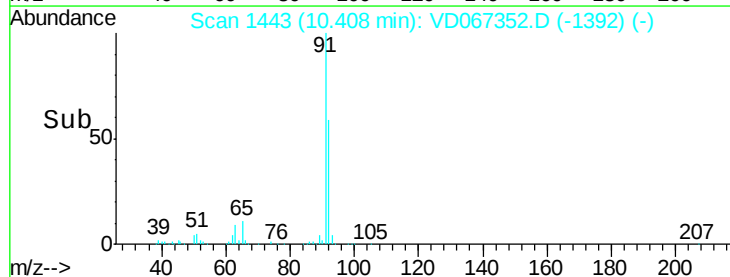
300000

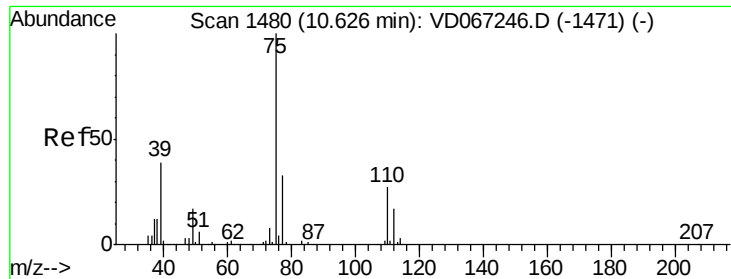
200000

100000

0

Time-->





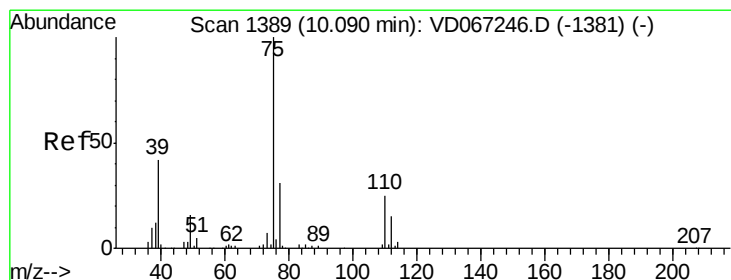
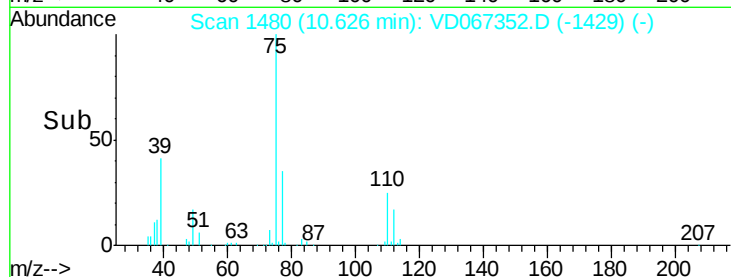
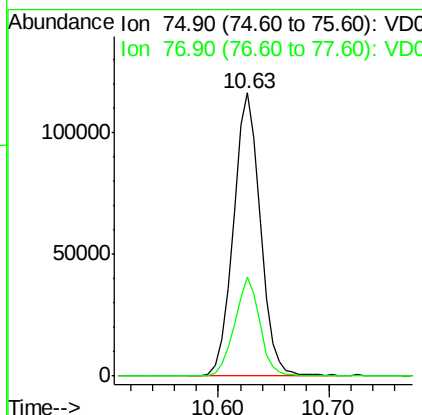
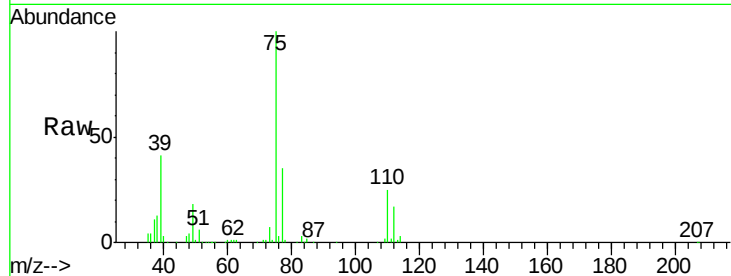
#53
t-1,3-Dichloropropene
Concen: 53.037 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.1	26.5	39.7

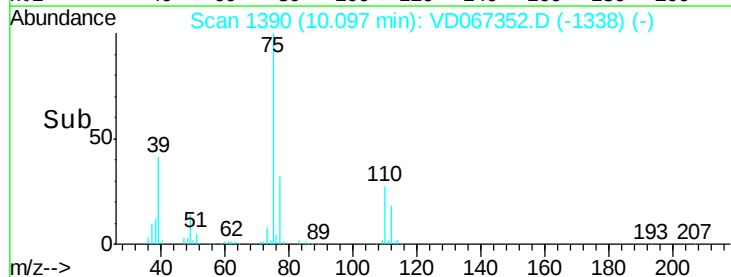
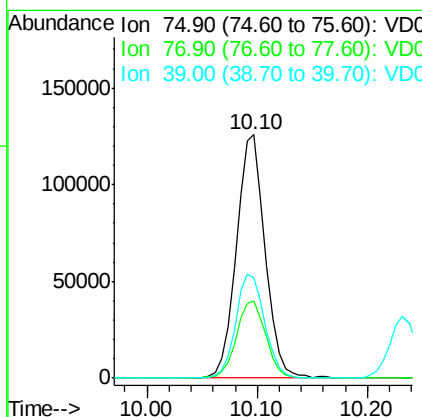
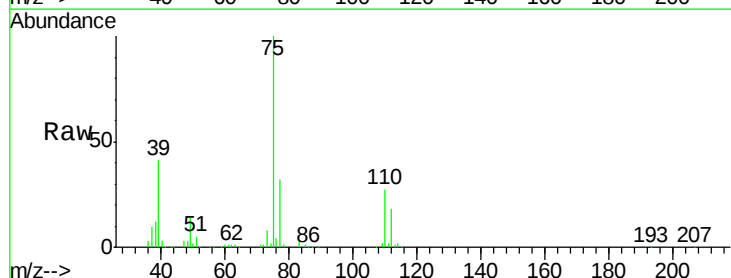
Manual Integrations
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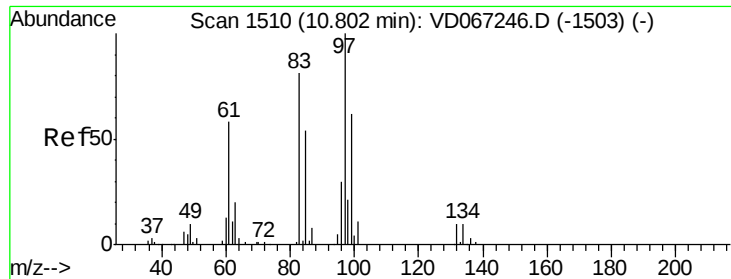
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#54
cis-1,3-Dichloropropene
Concen: 52.047 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.5	36.7
39	40.9	33.7	50.5





#55

1,1,2-Trichloroethane

Concen: 51.998 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

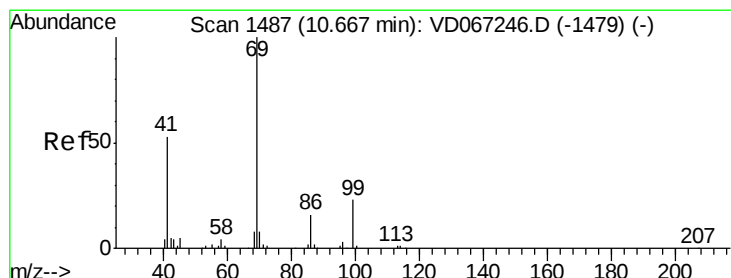
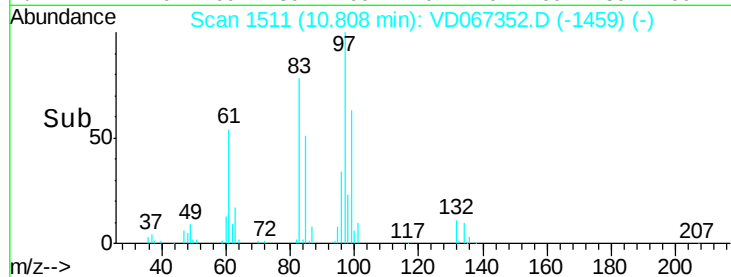
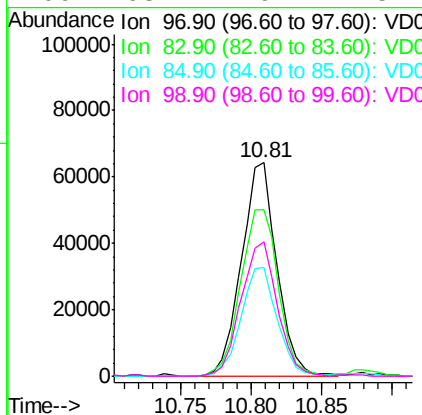
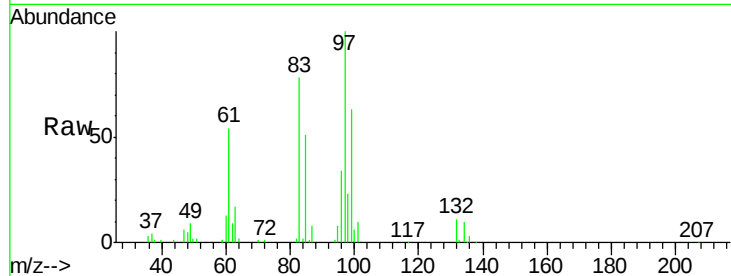
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	113225
Ion	Ratio	Lower	Upper
97	100		
83	77.8	64.9	97.3
85	50.8	43.3	64.9
99	63.1	49.1	73.7

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#56

Ethyl methacrylate

Concen: 56.842 ug/l

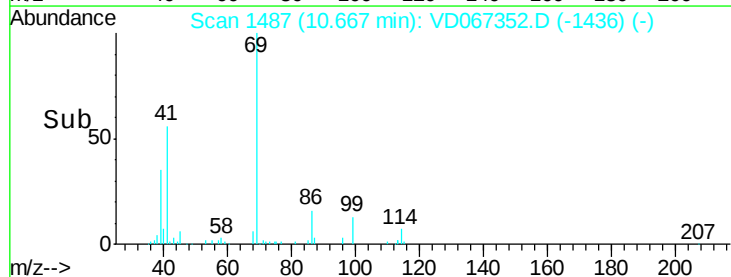
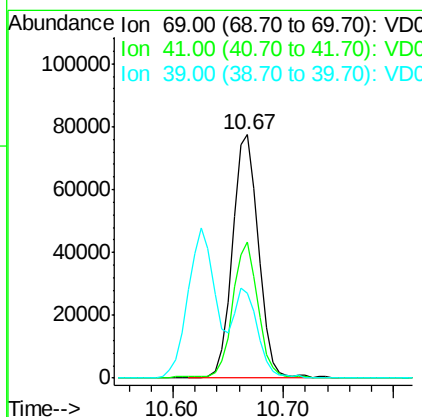
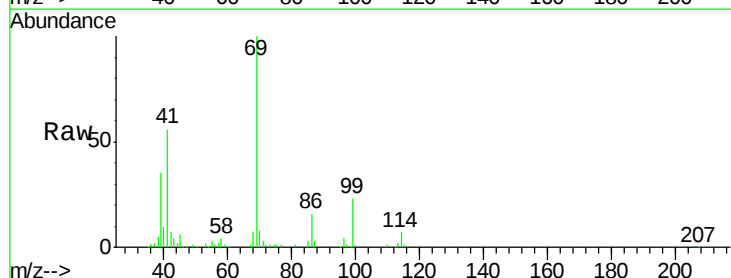
RT: 10.67 min Scan# 1487

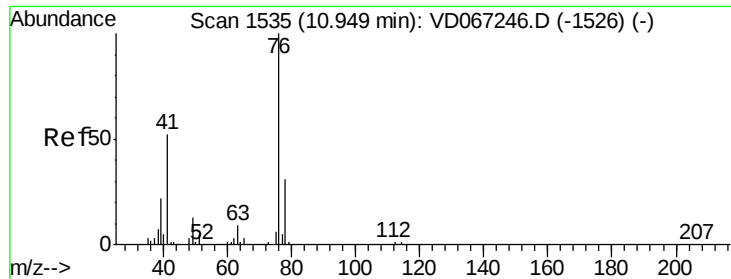
Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Tgt Ion:	69	Resp:	128364
Ion	Ratio	Lower	Upper
69	100		
41	54.9	44.7	67.1
39	33.2	26.2	39.2





#57

1,3-Dichloropropane

Concen: 53.360 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 184909

Ion Ratio Lower Upper

76 100

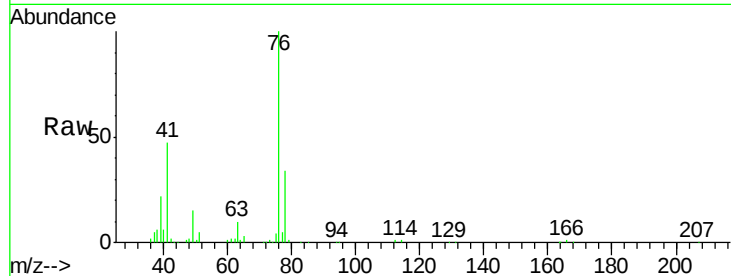
78 33.4 26.8 40.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

120000

100000

80000

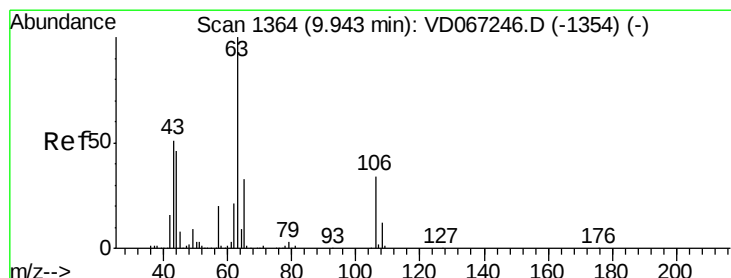
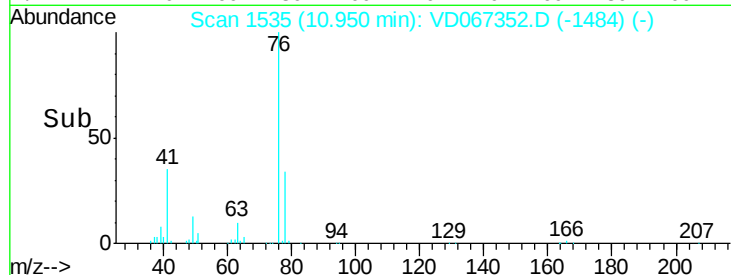
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 270.397 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067352.D

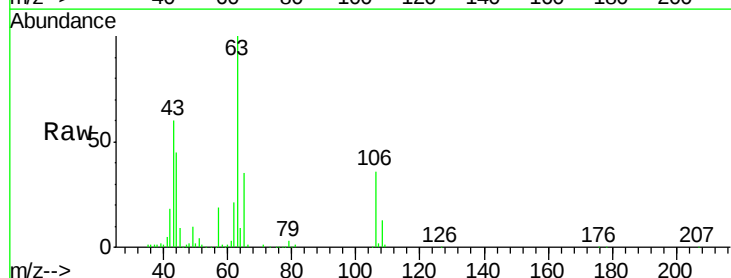
Acq: 21 Oct 2020 17:16

Tgt Ion: 63 Resp: 313253

Ion Ratio Lower Upper

63 100

106 35.6 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

200000

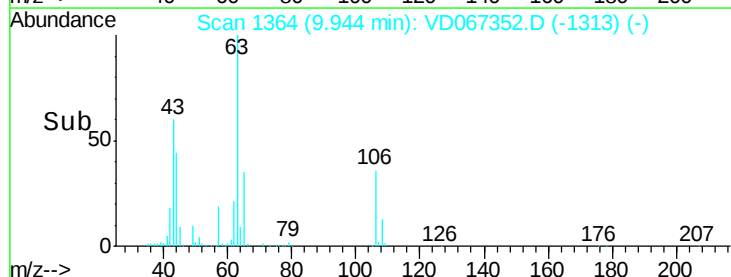
150000

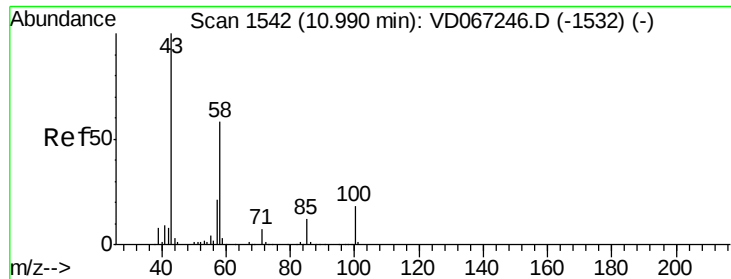
100000

50000

0

Time-->





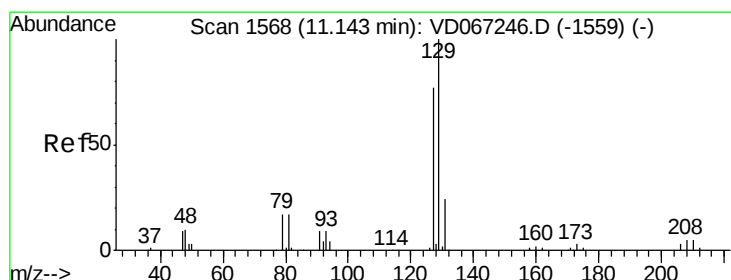
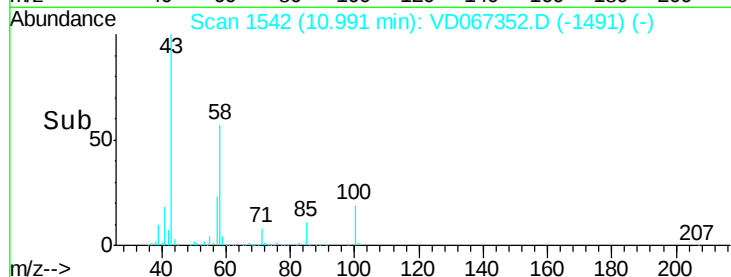
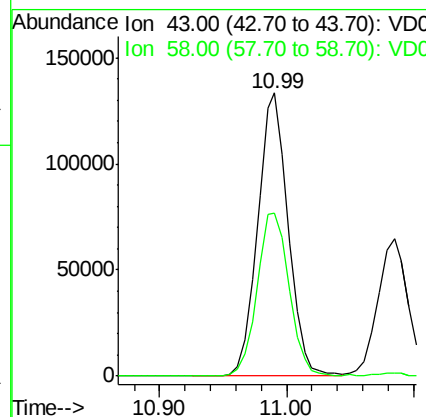
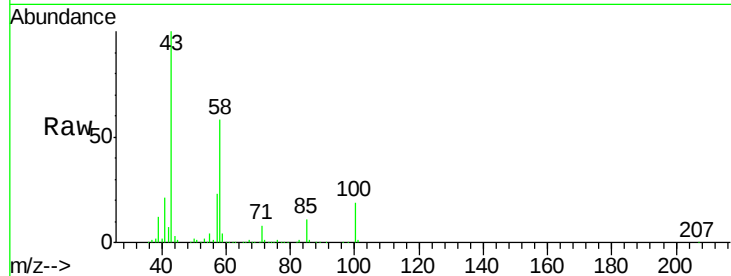
#59
2-Hexanone
Concen: 277.822 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 222830
Ion Ratio Lower Upper
43 100
58 60.7 29.3 87.9

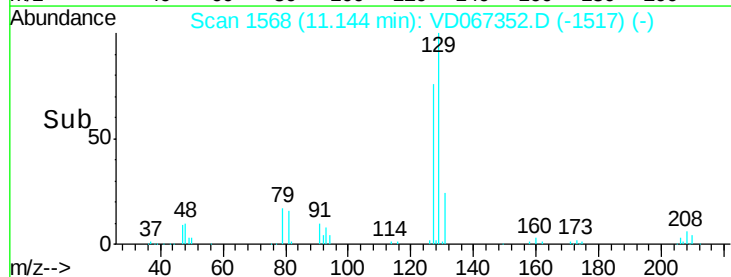
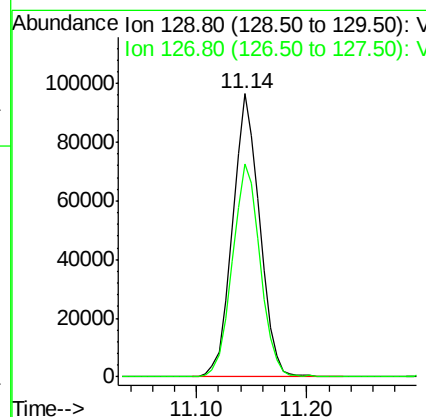
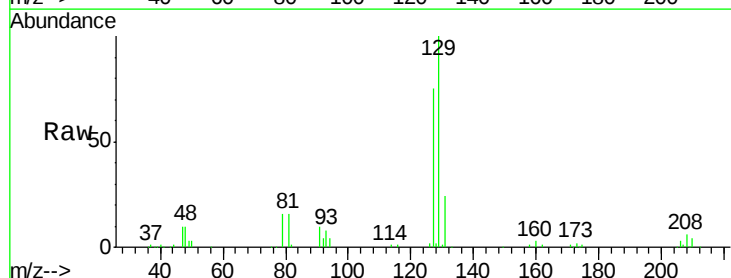
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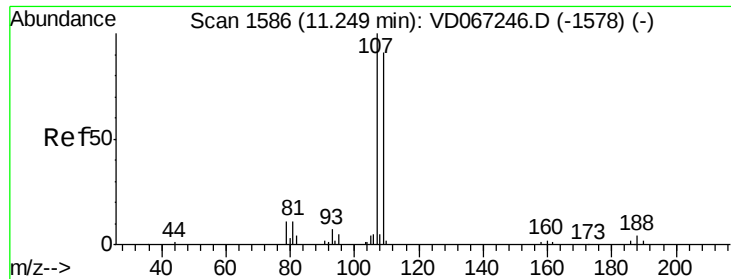
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#60
Dibromochloromethane
Concen: 52.296 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion: 129 Resp: 166067
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8





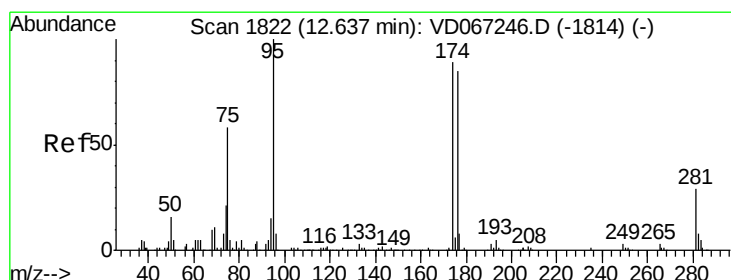
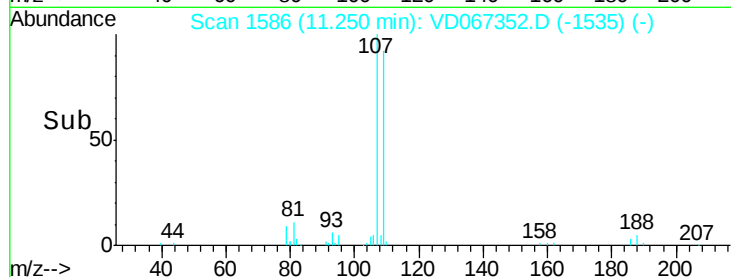
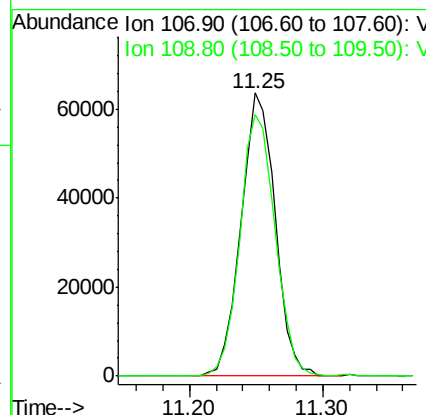
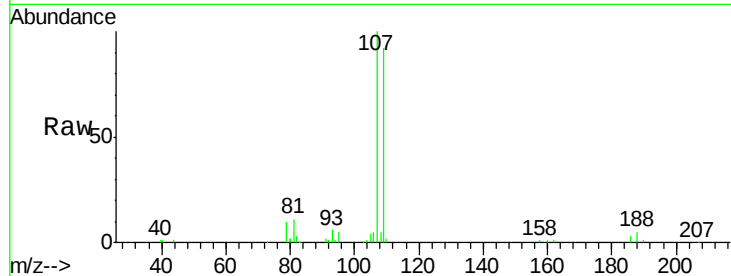
#61
 1,2-Dibromoethane
 Concen: 52.472 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067352.D
 Acq: 21 Oct 2020 17:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	74.6	112.0

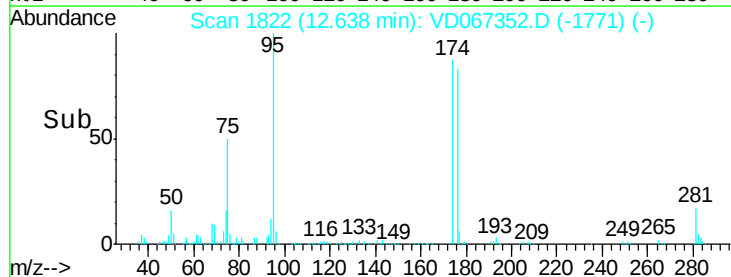
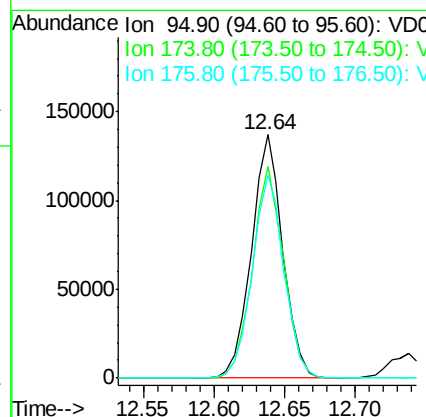
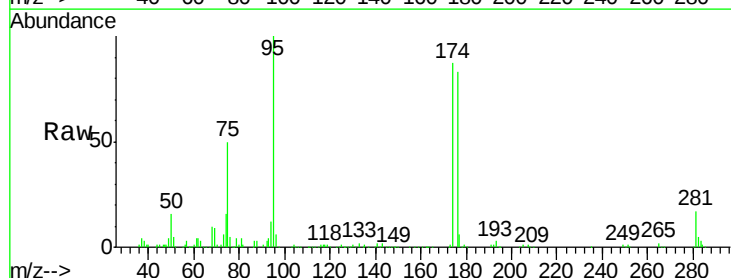
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#62
 4-Bromofluorobenzene
 Concen: 53.472 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067352.D
 Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	175.2
176	84.5	0.0	168.6





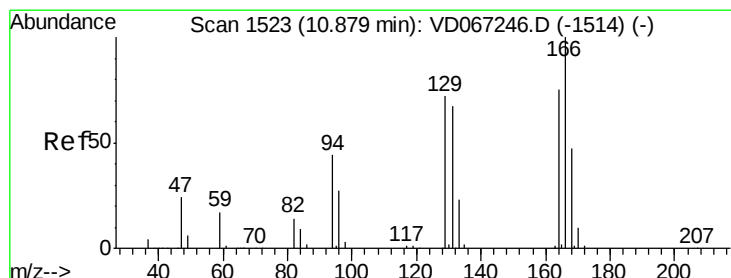
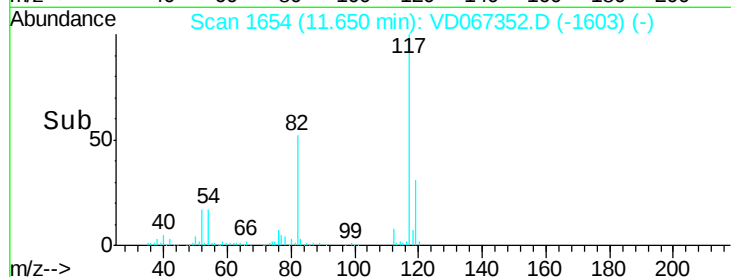
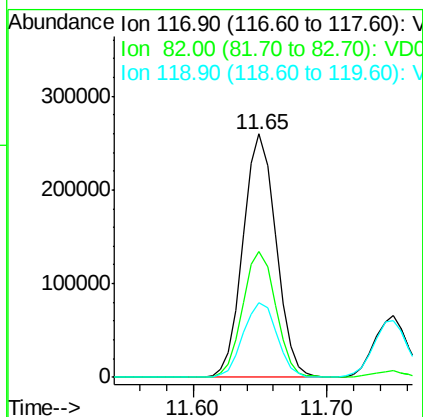
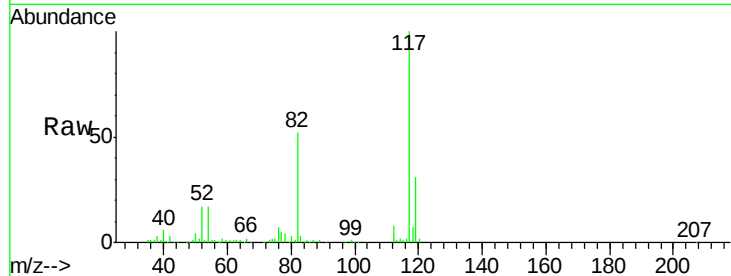
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	39.9	59.9
119	30.8	24.9	37.3

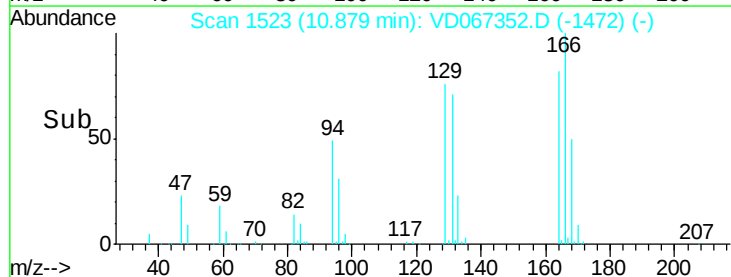
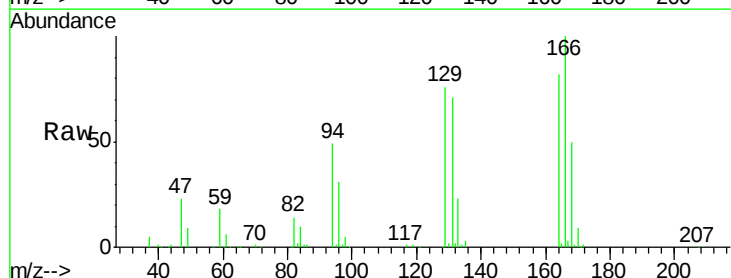
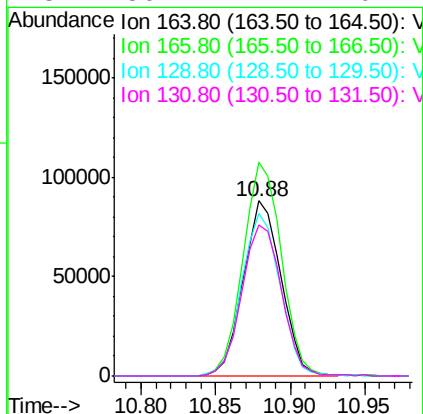
Manual Integrations
APPROVED

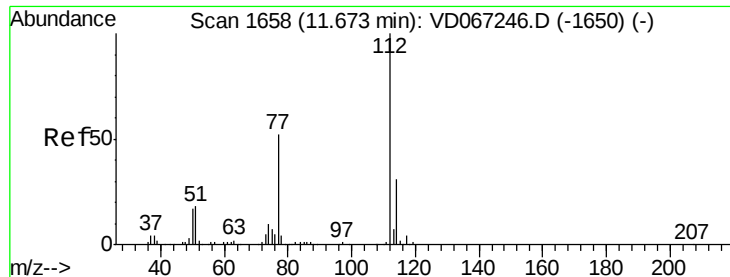
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#64
Tetrachloroethene
Concen: 48.151 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.9	107.3	160.9
129	92.9	77.3	115.9
131	86.1	71.4	107.2





#65

Chlorobenzene

Concen: 50.187 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 427619

Ion Ratio Lower Upper

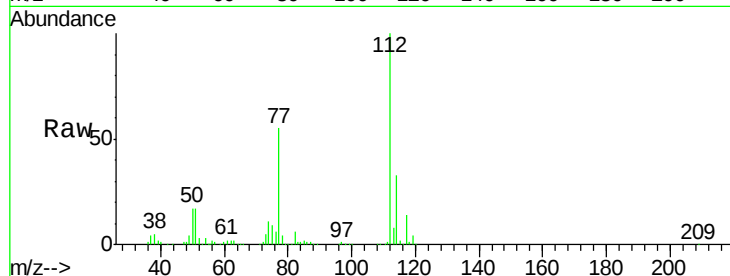
112 100

114 33.3 25.0 37.4

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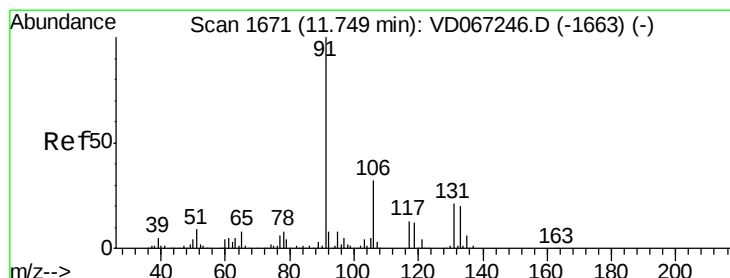
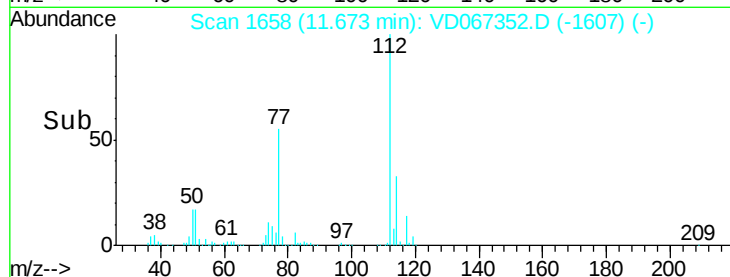
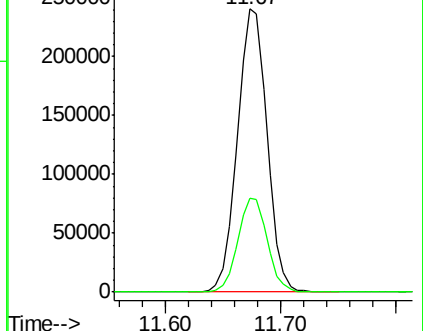
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.771 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

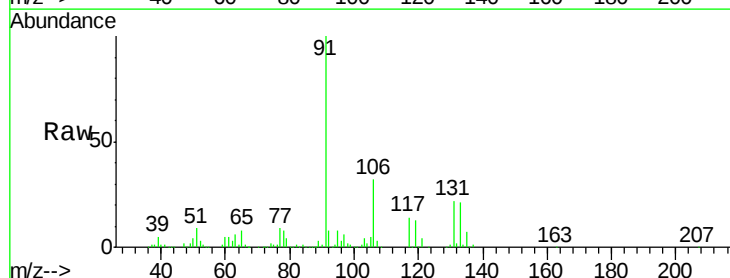
Tgt Ion:131 Resp: 175316

Ion Ratio Lower Upper

131 100

133 95.6 48.1 144.3

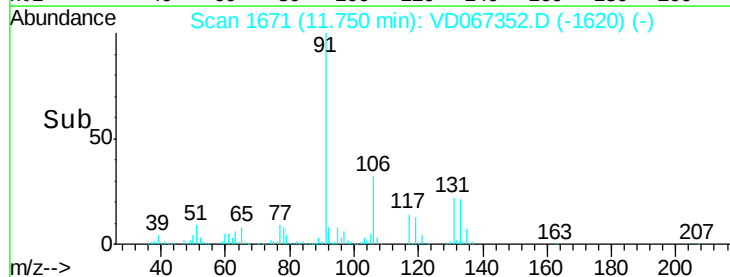
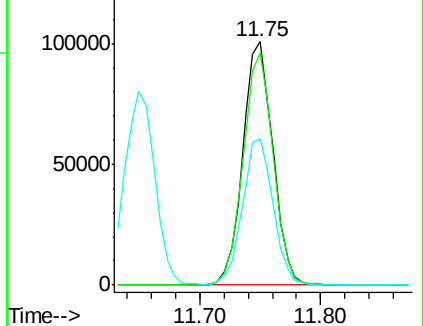
119 61.3 30.0 90.0

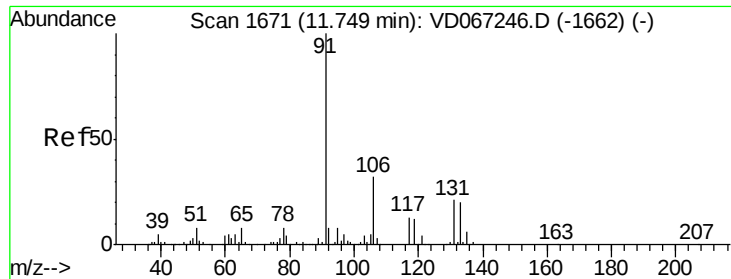


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





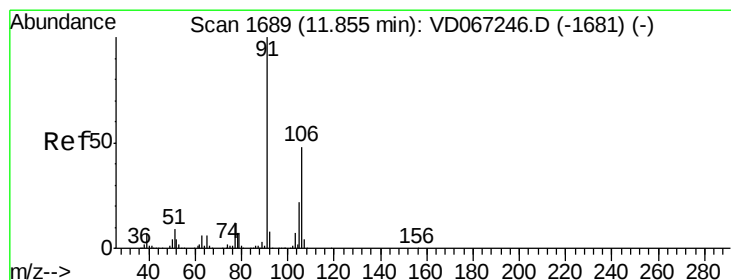
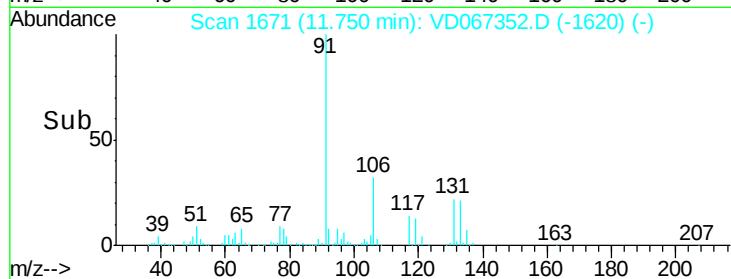
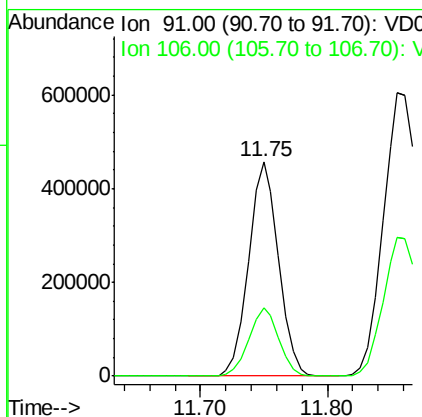
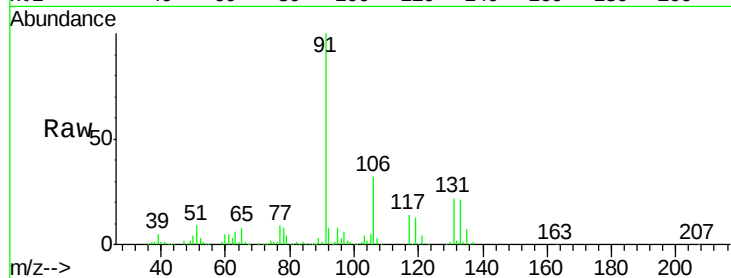
#67
Ethyl Benzene
Concen: 51.316 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 749503
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.0

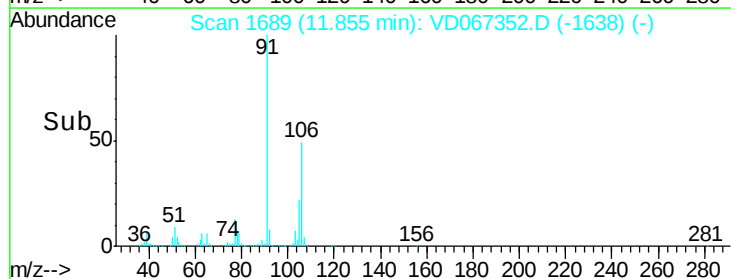
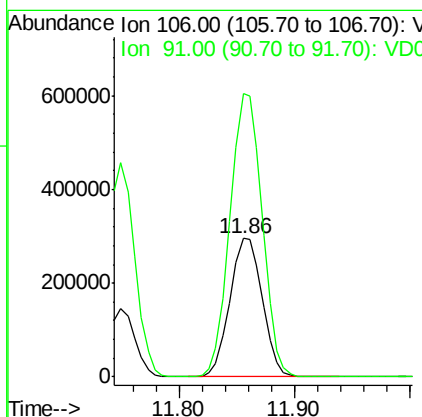
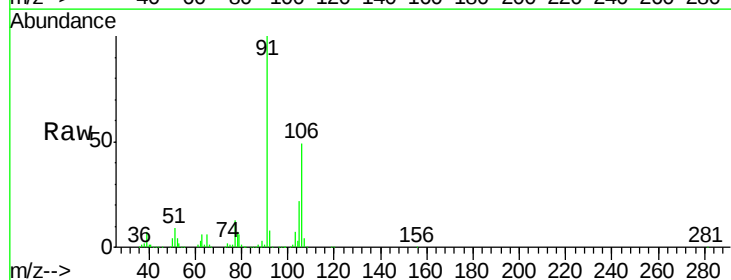
Manual Integrations
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#68
m/p-Xylenes
Concen: 102.379 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion: 106 Resp: 575821
Ion Ratio Lower Upper
106 100
91 202.8 163.8 245.8





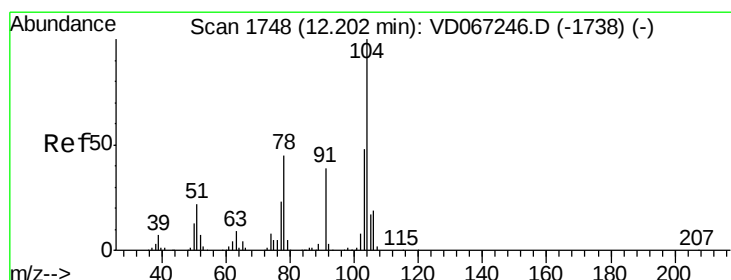
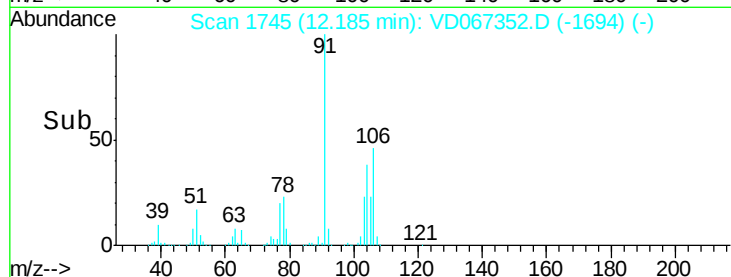
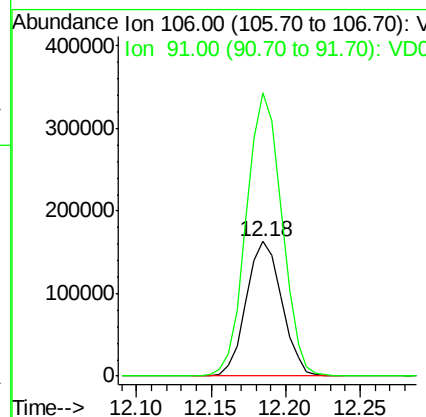
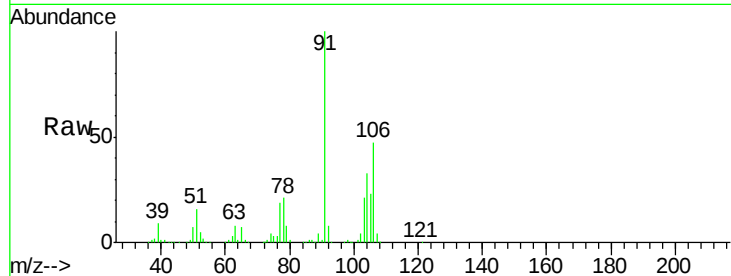
#69
o-Xylene
Concen: 51.724 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.0	109.1	327.3

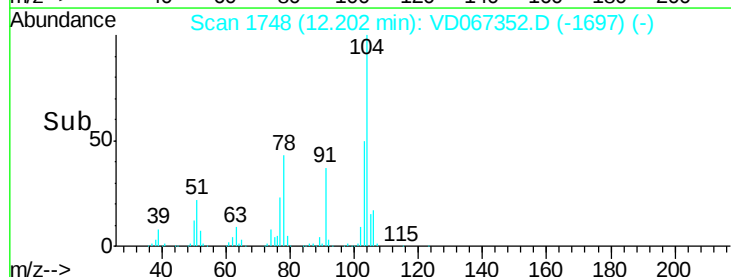
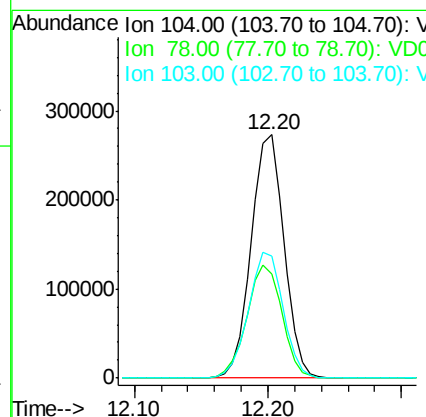
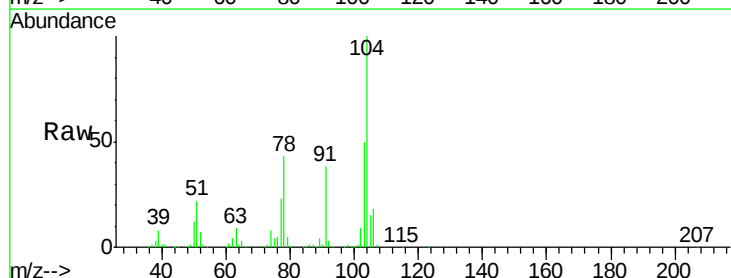
Manual Integrations
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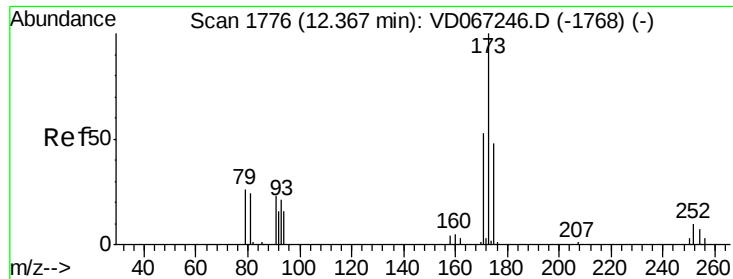
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#70
Styrene
Concen: 51.809 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.8	39.8	59.6
103	54.4	42.6	64.0





#71

Bromoform

Concen: 51.482 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 93659

Ion Ratio Lower Upper

173 100

175 50.4 24.2 72.6

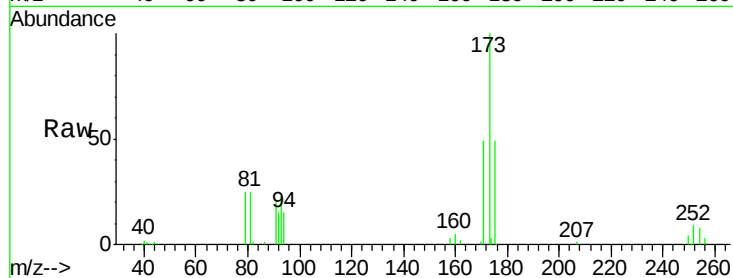
254 0.0 0.1 0.1#

Manual Integrations

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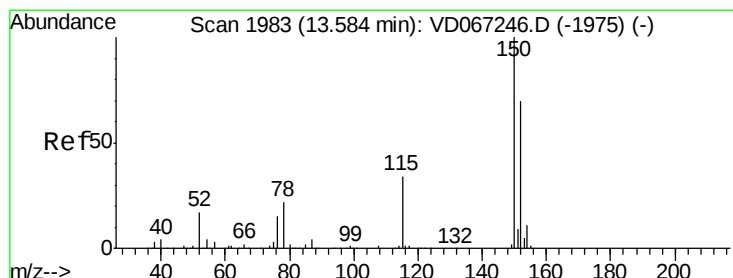
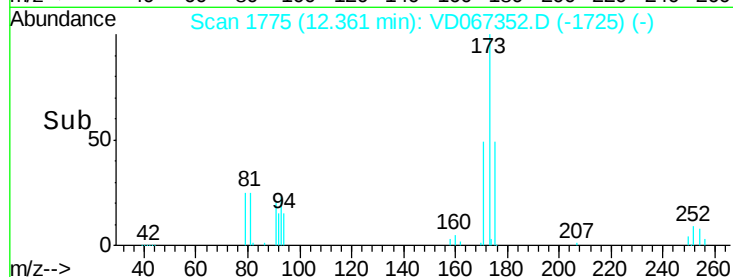
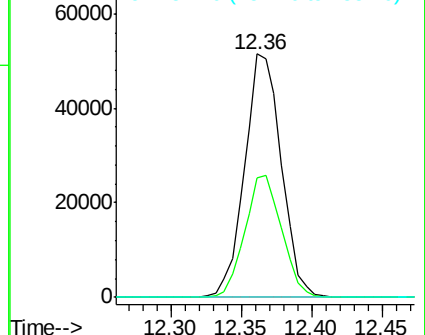
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

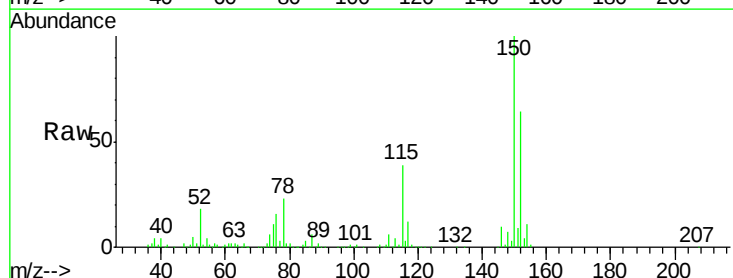
Tgt Ion:152 Resp: 227111

Ion Ratio Lower Upper

152 100

115 60.3 29.3 87.9

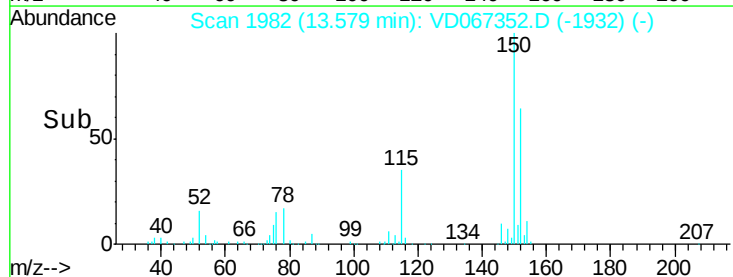
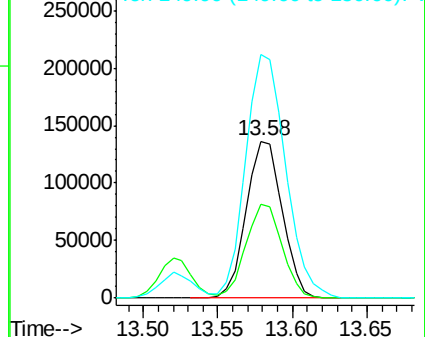
150 172.6 0.0 339.0

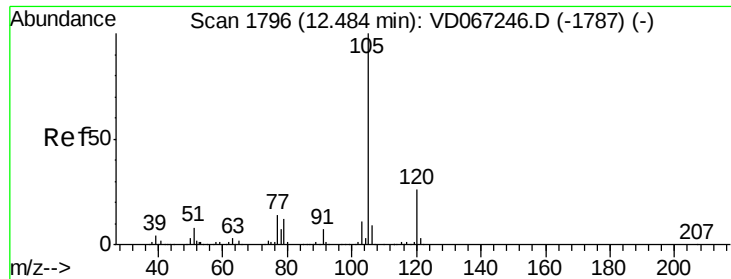


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





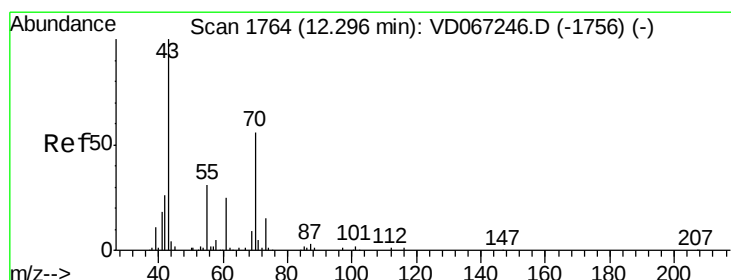
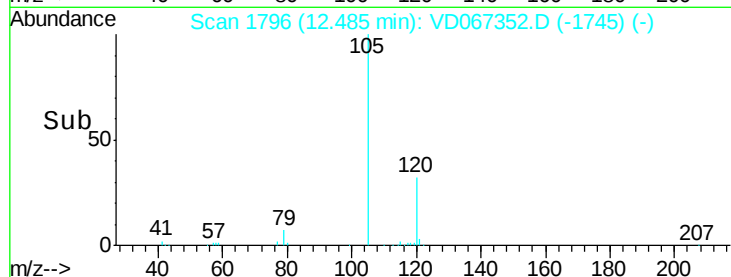
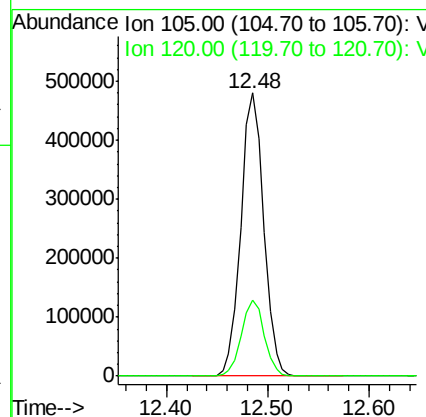
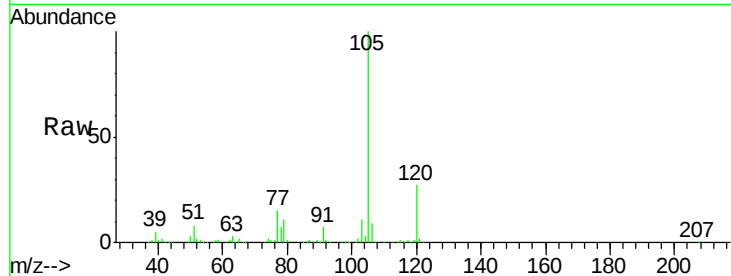
#73
Isopropylbenzene
Concen: 52.178 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 752096
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.8

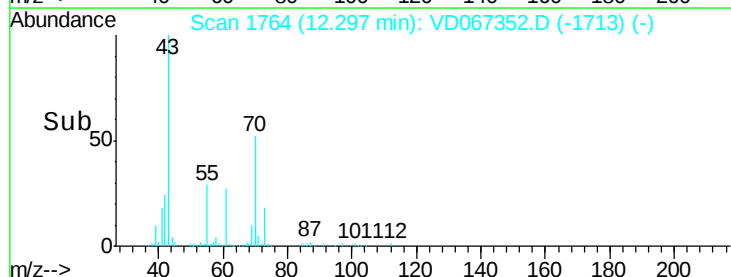
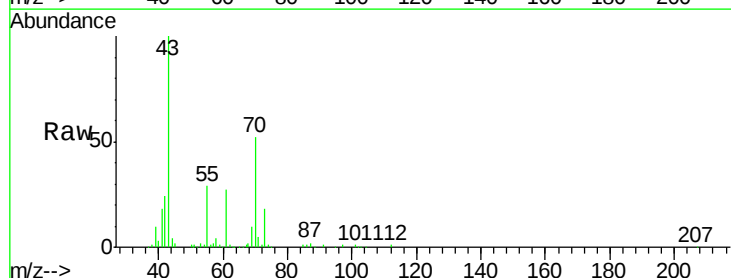
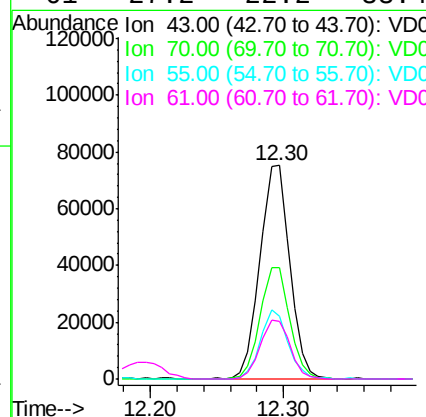
Manual Integrations
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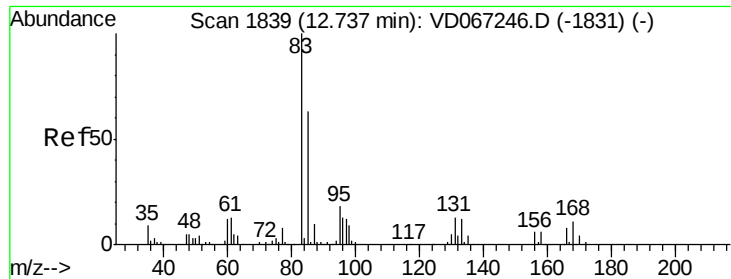
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#74
N-ethyl acetate
Concen: 53.670 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion: 43 Resp: 116838
Ion Ratio Lower Upper
43 100
70 51.4 42.7 64.1
55 29.7 24.0 36.0
61 27.2 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.884 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

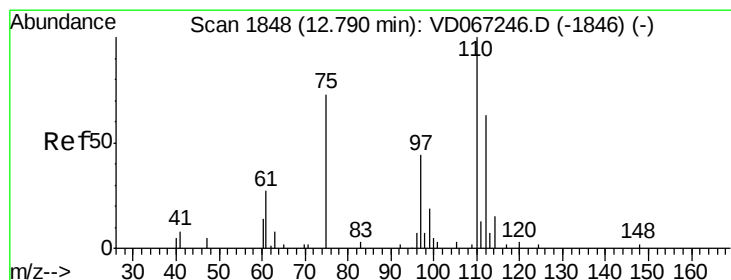
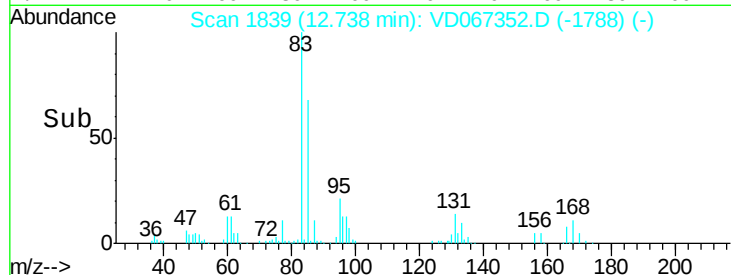
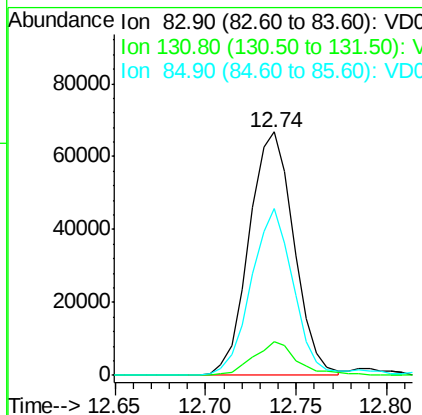
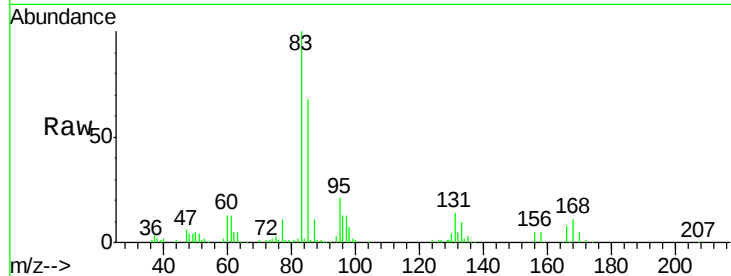
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	114588
Ion Ratio	Lower	Upper	
83	100		
131	13.5	6.5	19.5
85	64.1	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.647 ug/l m

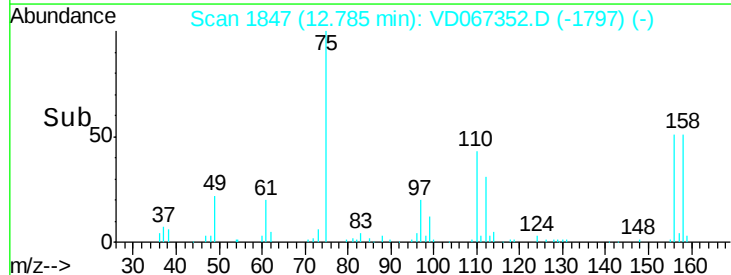
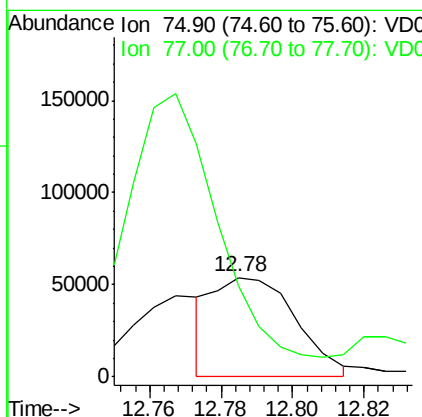
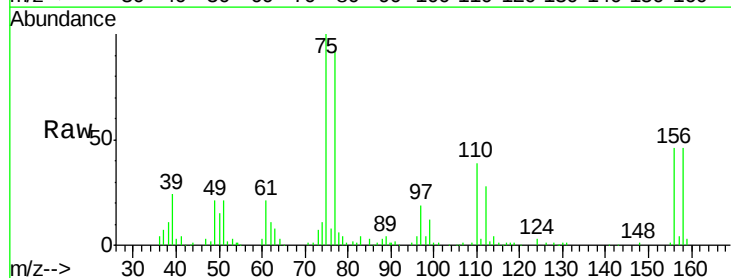
RT: 12.78 min Scan# 1847

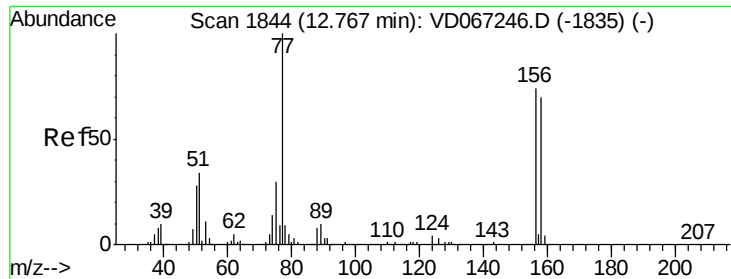
Delta R.T. -0.01 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Tgt Ion:	75	Resp:	86020
Ion Ratio	Lower	Upper	
75	100		
77	336.1	0.0	0.0#





#77

Bromobenzene

Concen: 49.704 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

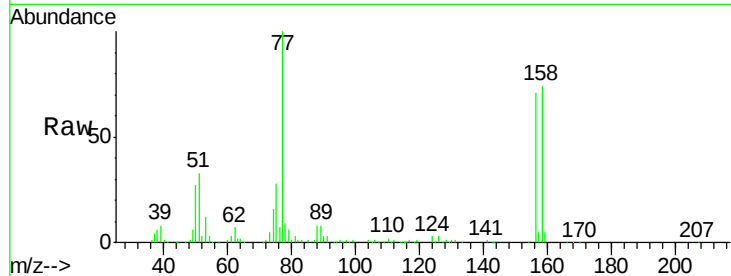
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	161.9	78.0	233.8		
158	99.1	49.1	147.3		

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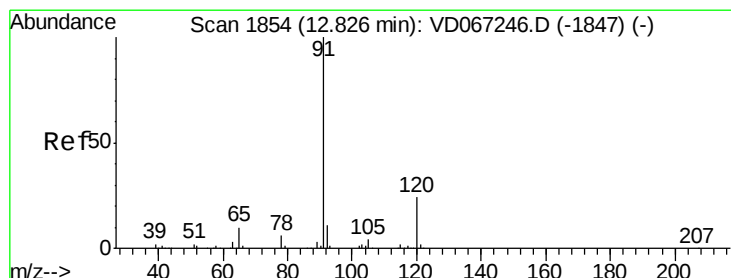
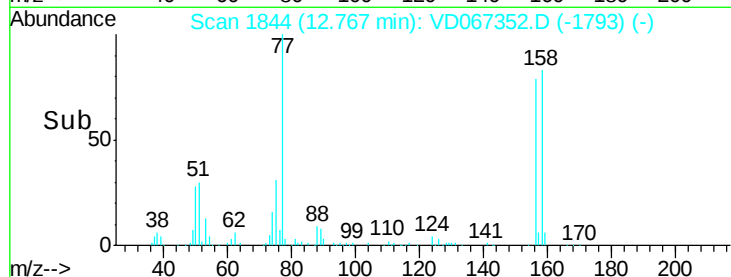
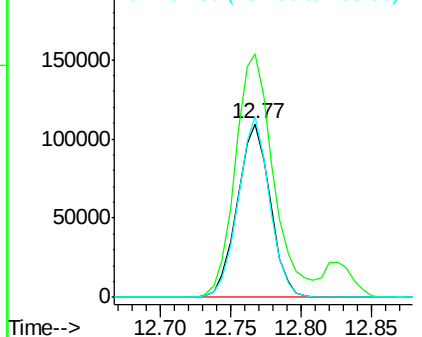
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.966 ug/l

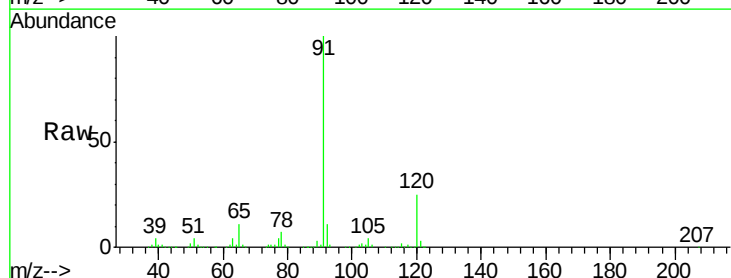
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067352.D

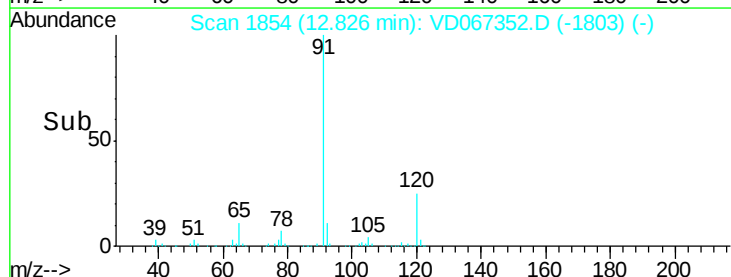
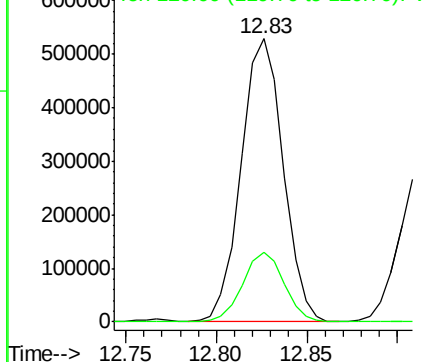
Acq: 21 Oct 2020 17:16

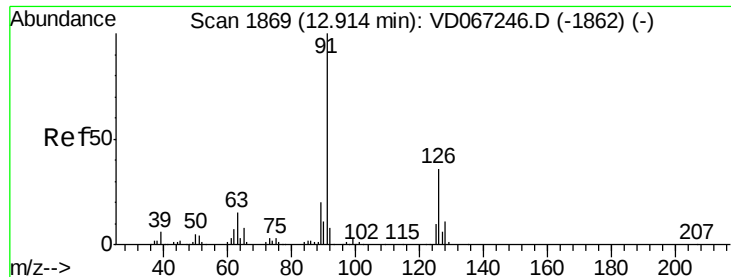
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	24.2	11.9	35.9		



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.762 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 481938

Ion Ratio Lower Upper

91 100

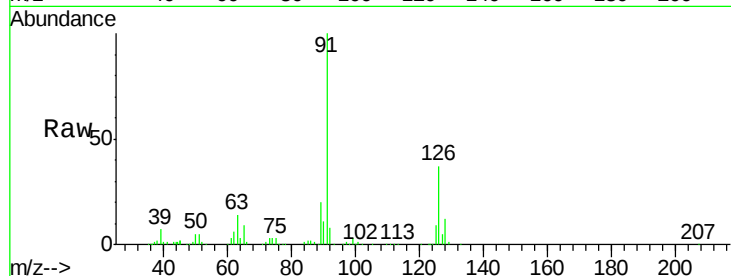
126 36.0 17.6 52.8

Manual Integrations

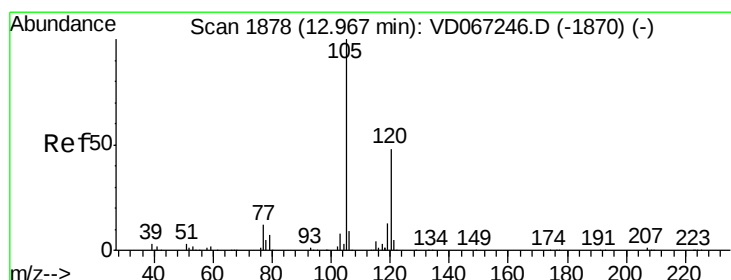
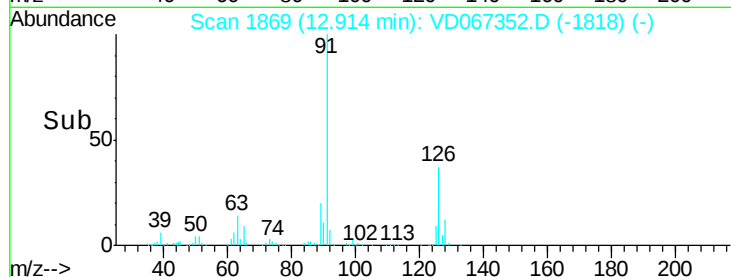
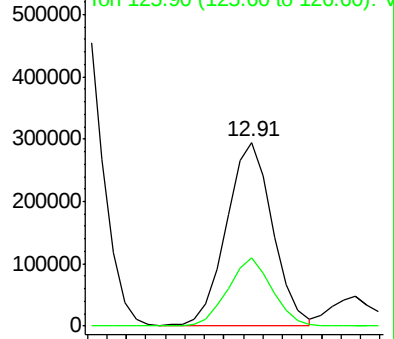
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Abundance Ion 91.00 (90.70 to 91.70): VD067352.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.433 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067352.D

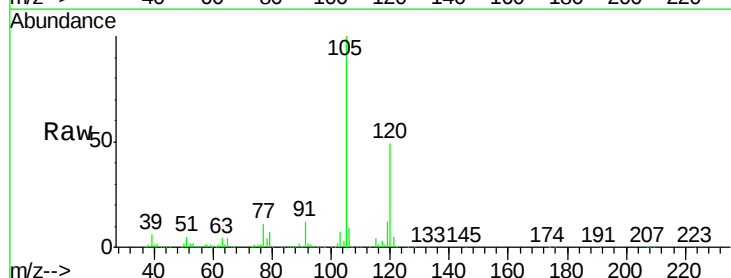
Acq: 21 Oct 2020 17:16

Tgt Ion: 105 Resp: 644238

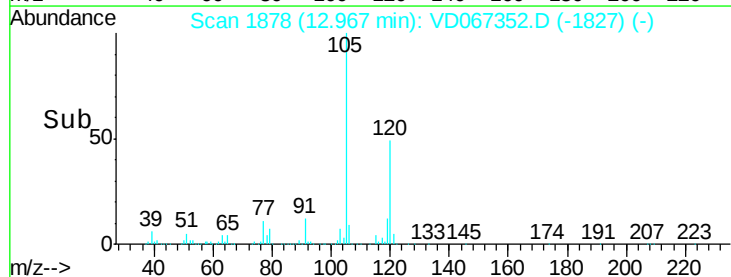
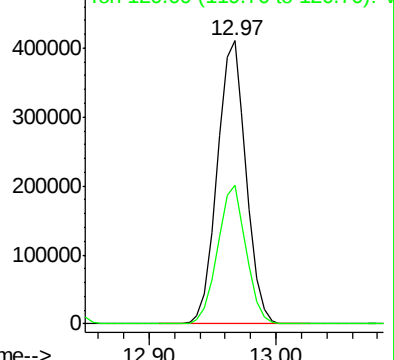
Ion Ratio Lower Upper

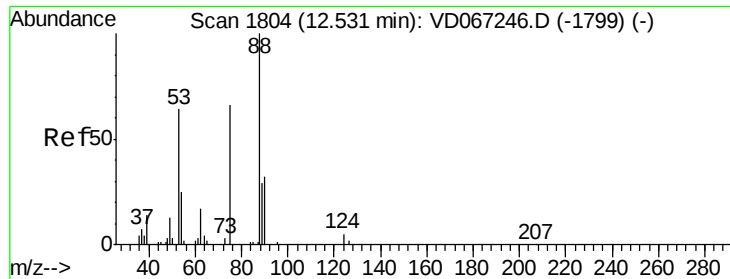
105 100

120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067352.D (-1827) (-)





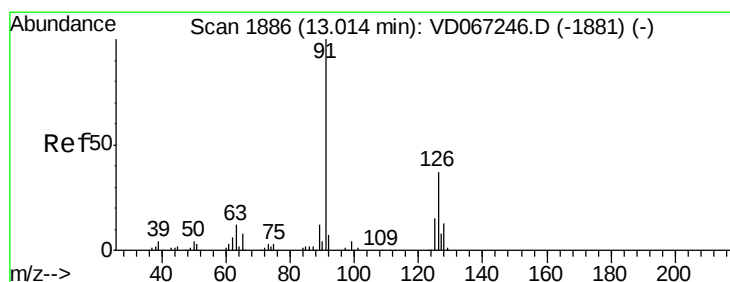
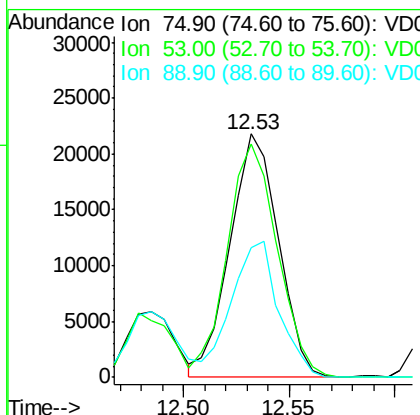
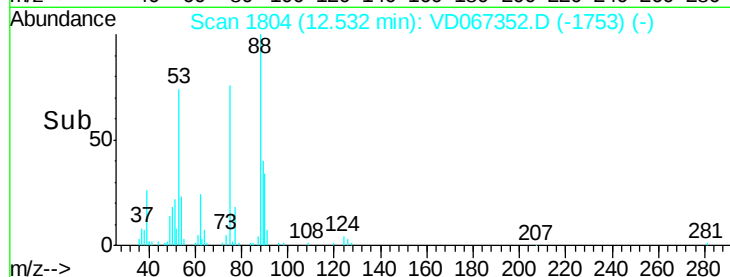
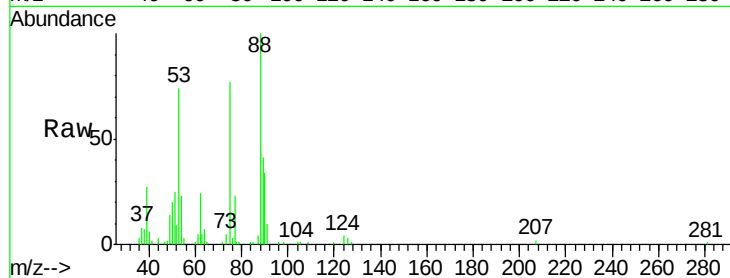
#81
trans-1,4-Dichloro-2-butene
Concen: 50.025 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.0	78.5	117.7
89	54.3	39.9	59.9

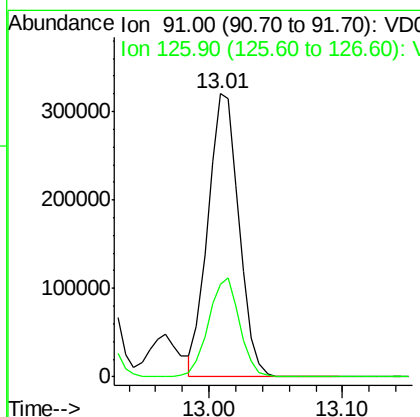
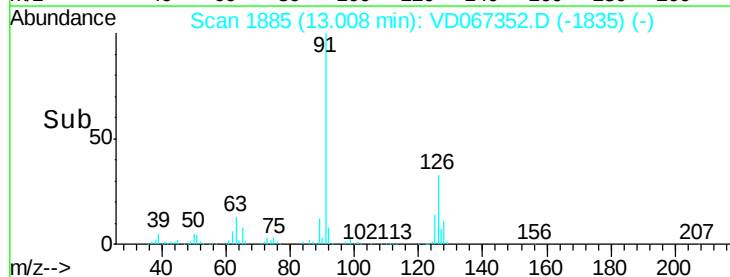
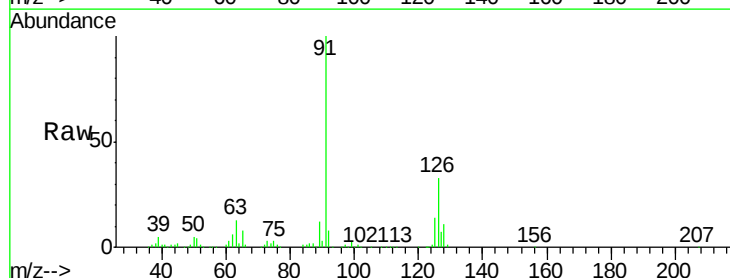
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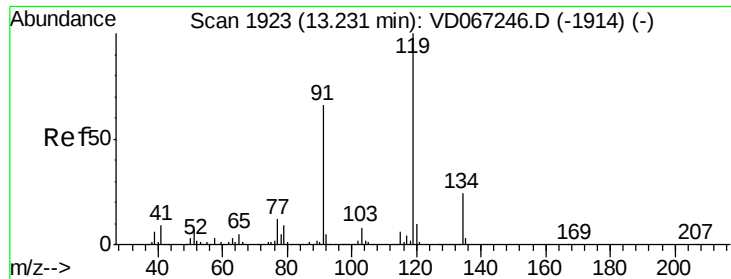
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#82
4-Chlorotoluene
Concen: 50.612 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.8	53.5





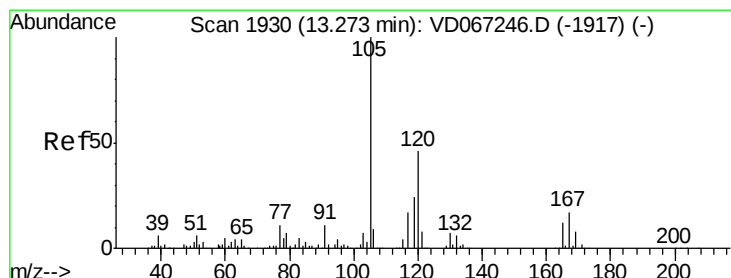
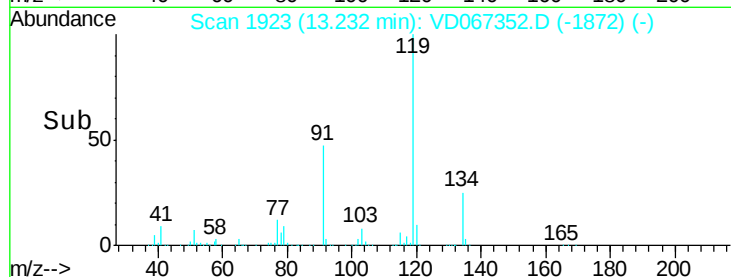
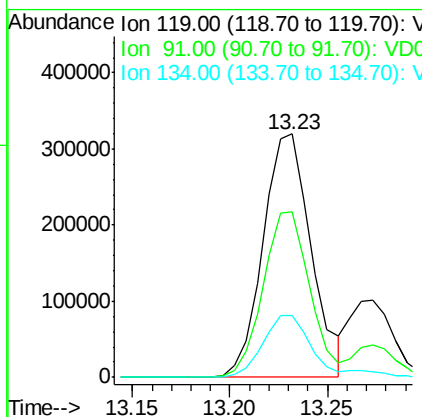
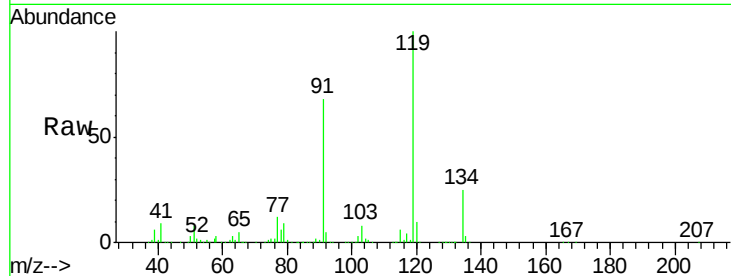
#83
tert-Butylbenzene
Concen: 51.777 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	547826		
91	65.5		33.1	99.2
134	26.9		13.3	39.9

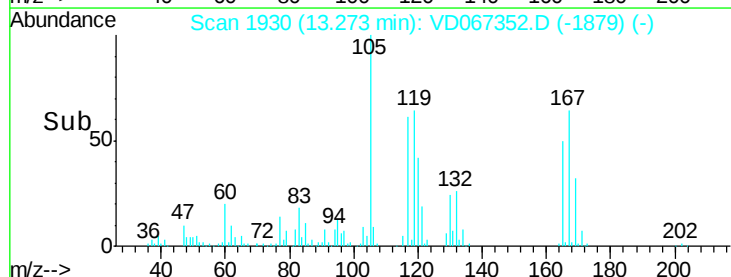
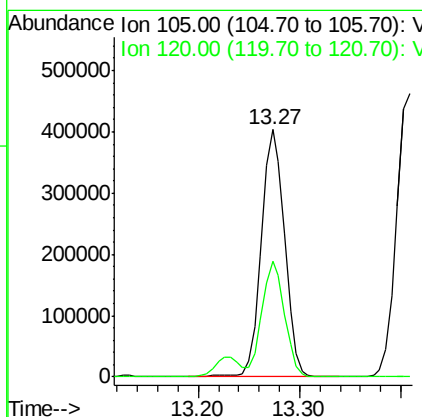
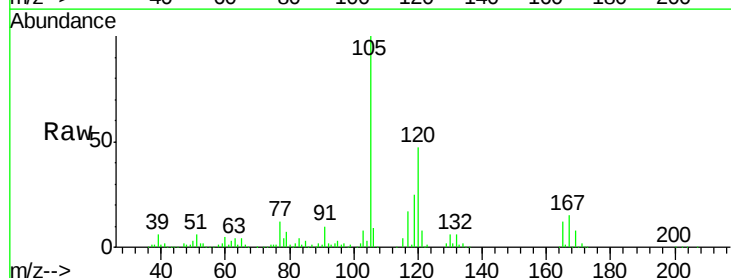
Manual Integrations
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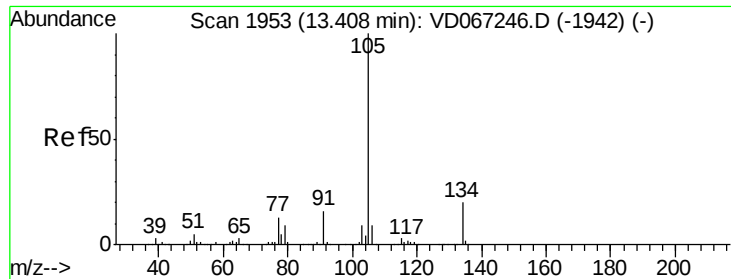
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#84
1,2,4-Trimethylbenzene
Concen: 51.888 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	642380		
120	44.7		22.4	67.3





#85

sec-Butylbenzene

Concen: 50.610 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 734768

Ion Ratio Lower Upper

105 100

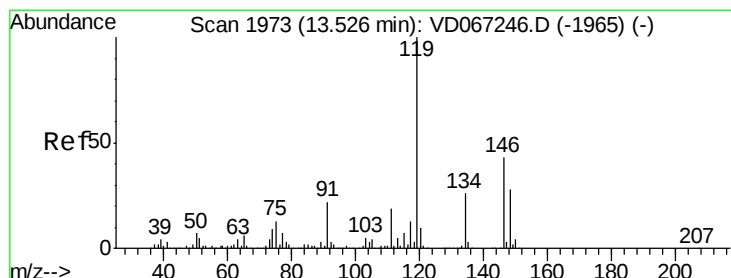
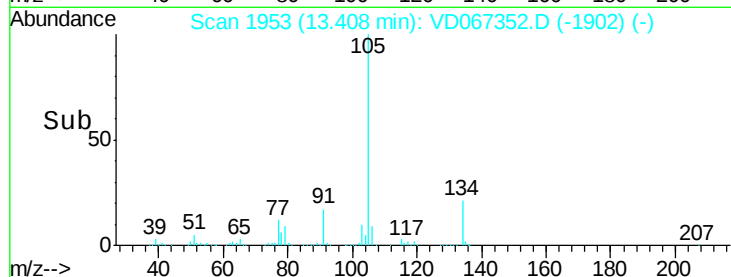
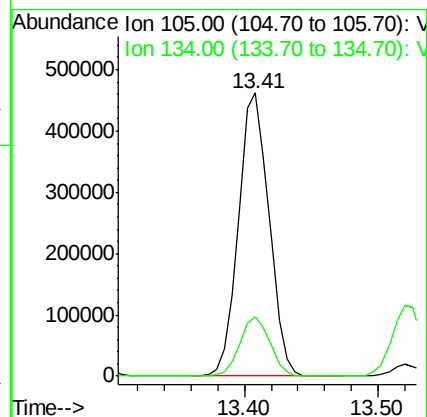
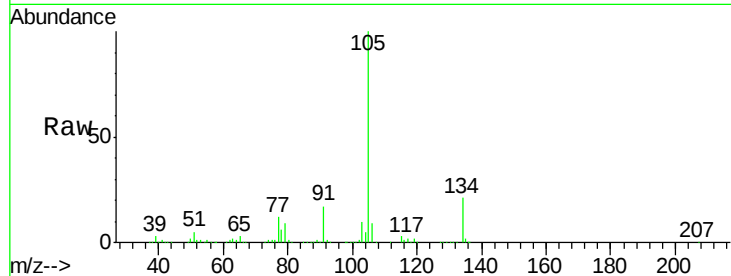
134 20.7 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.539 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

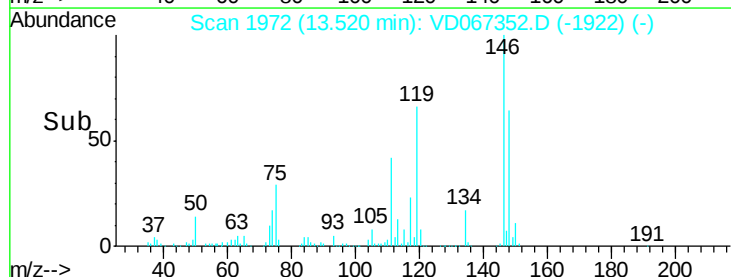
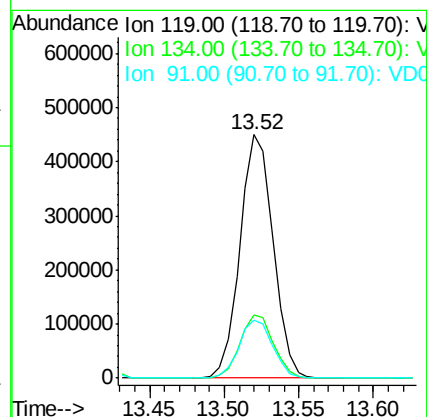
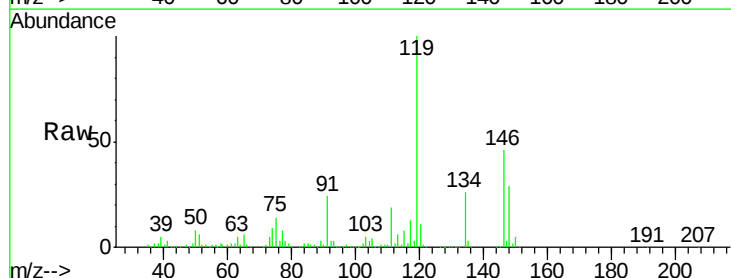
Tgt Ion:119 Resp: 692545

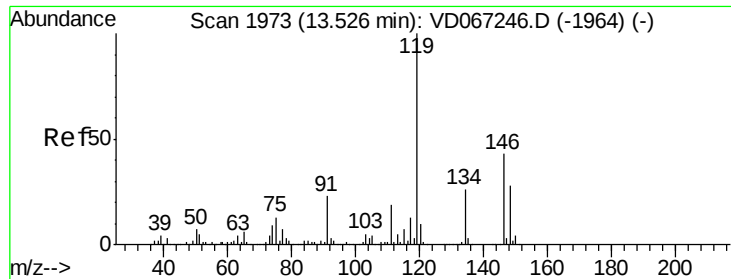
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 24.2 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 48.877 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Instrument :

MSVOA_D

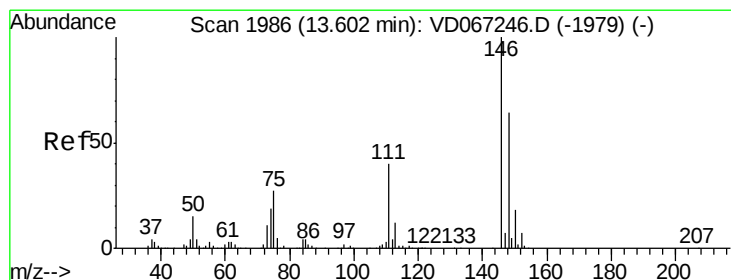
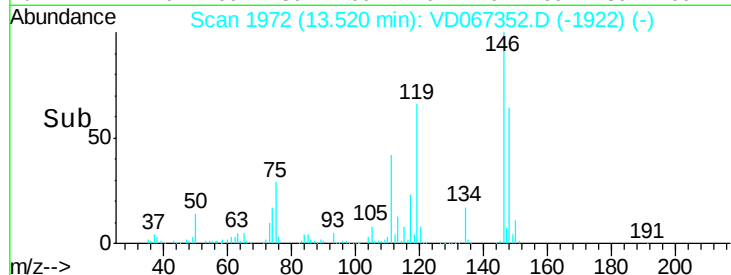
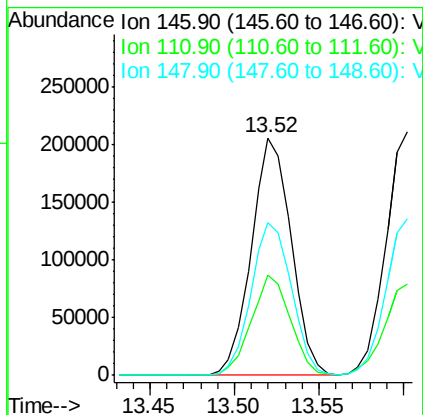
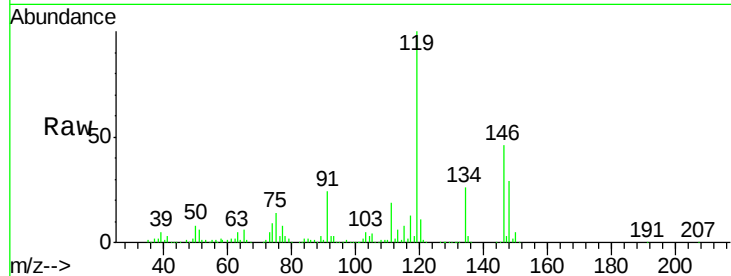
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.3
148	65.0	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.632 ug/l

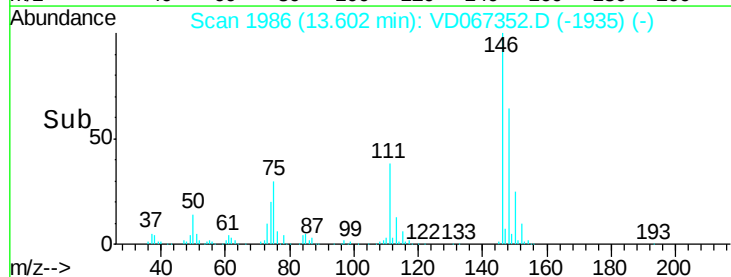
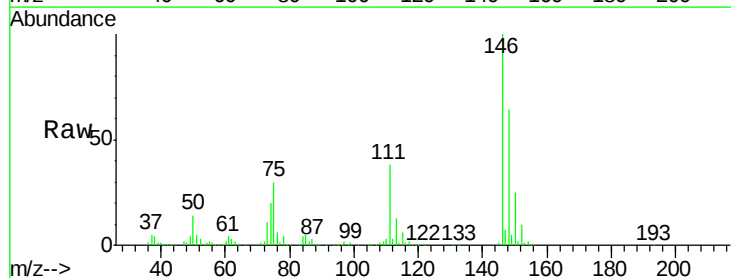
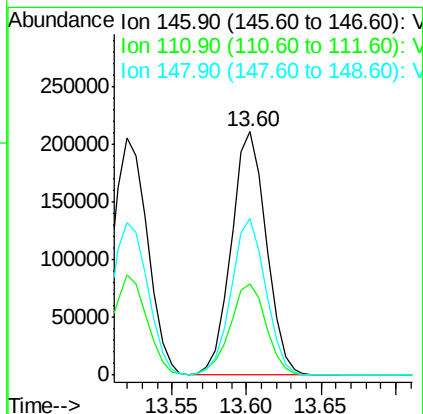
RT: 13.60 min Scan# 1986

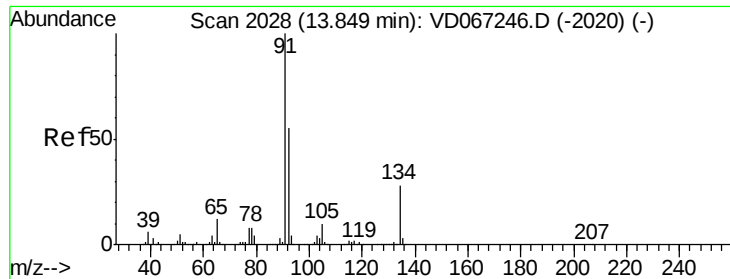
Delta R.T. 0.00 min

Lab File: VD067352.D

Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.9	59.7
148	63.5	31.9	95.9





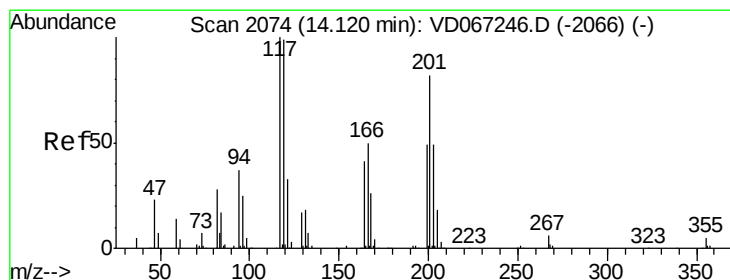
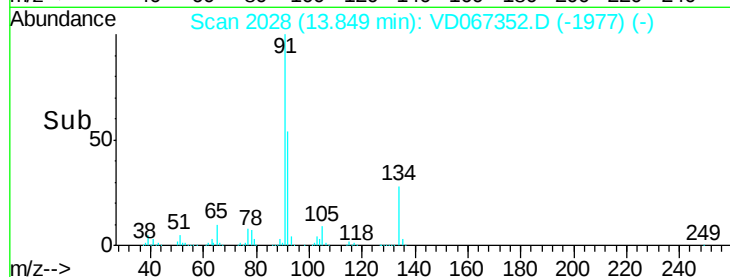
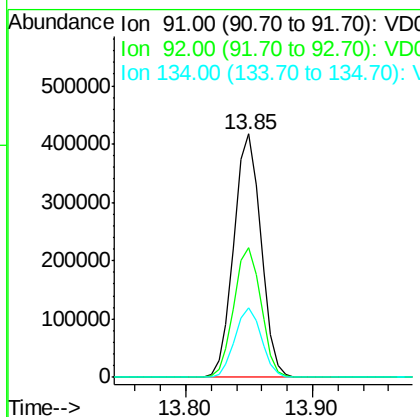
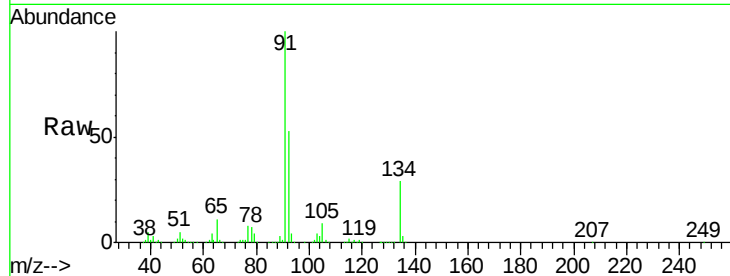
#89
n-Butylbenzene
Concen: 51.225 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.7	80.0
134	28.1	14.2	42.6

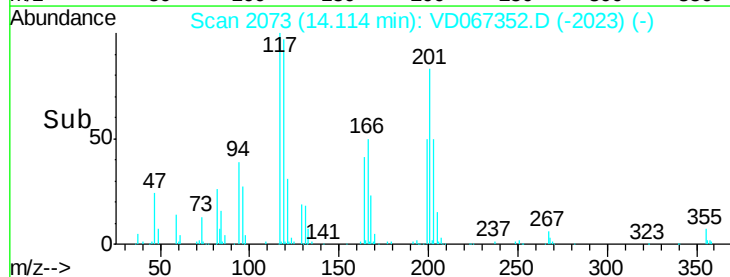
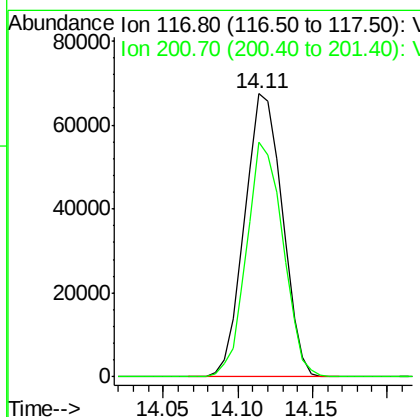
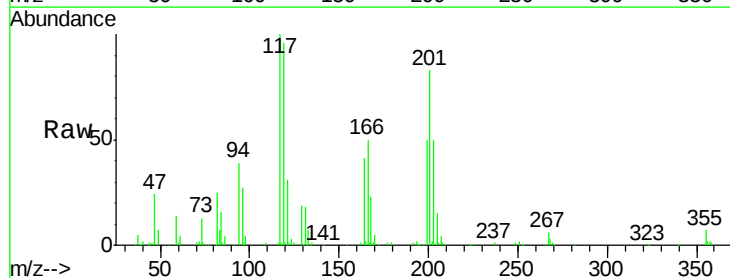
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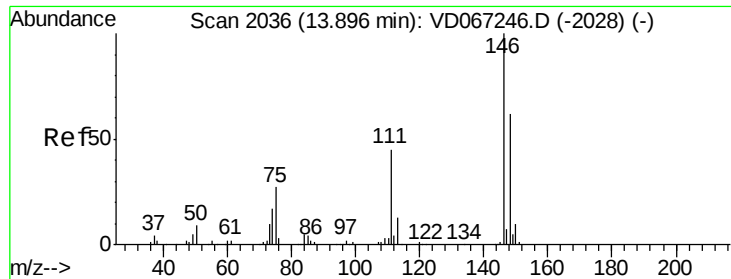
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#90
Hexachloroethane
Concen: 49.476 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.8	40.8	122.2





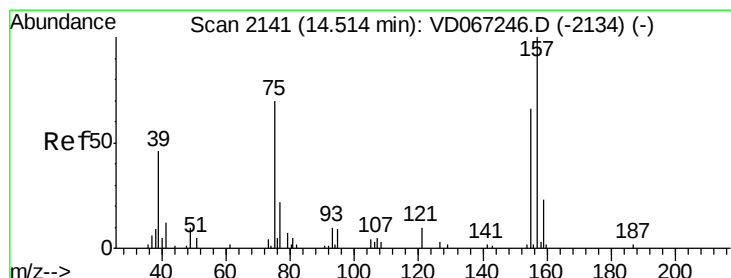
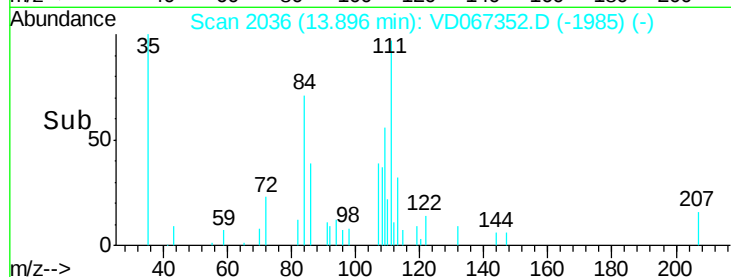
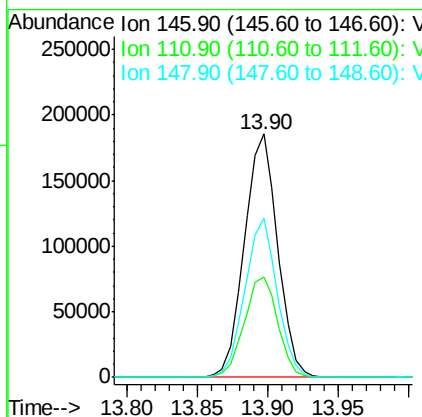
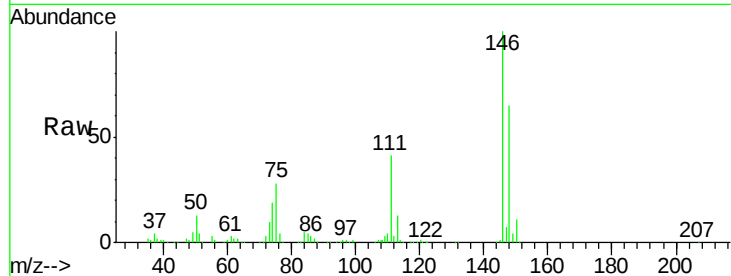
#91
 1,2-Dichlorobenzene
 Concen: 50.547 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067352.D
 Acq: 21 Oct 2020 17:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	22.0	66.0
148	63.6	32.5	97.5

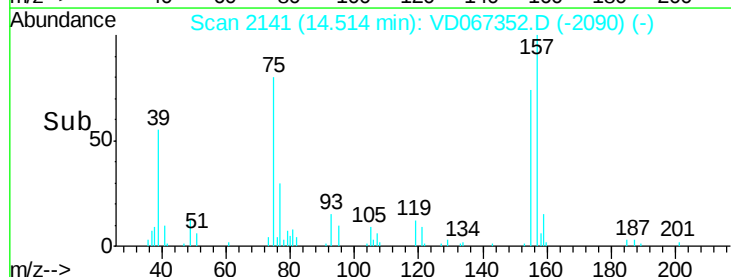
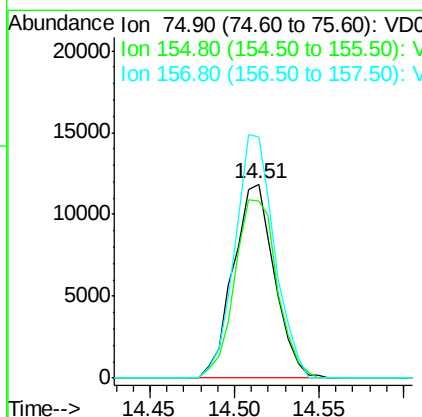
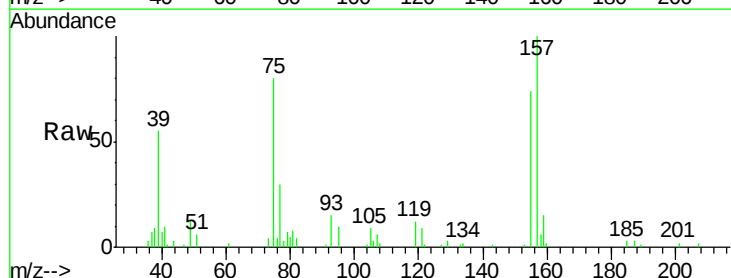
Manual Integrations
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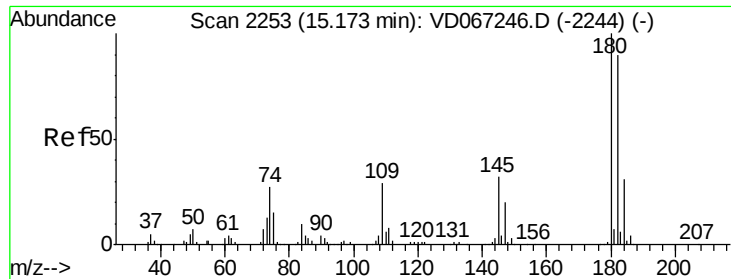
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.944 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067352.D
 Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	44.8	134.4
157	120.7	62.5	187.4





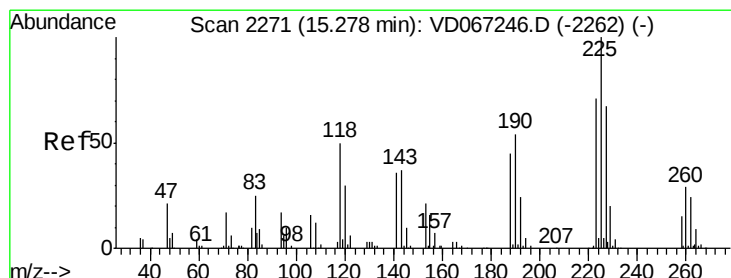
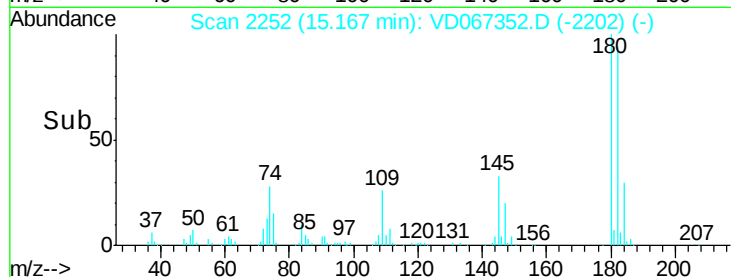
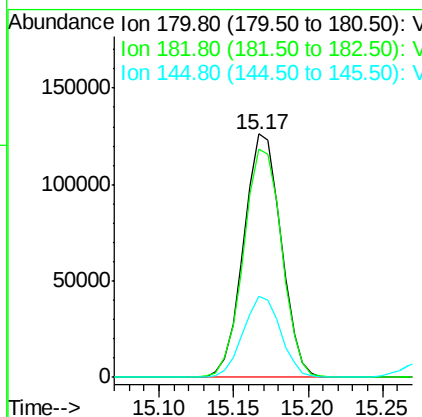
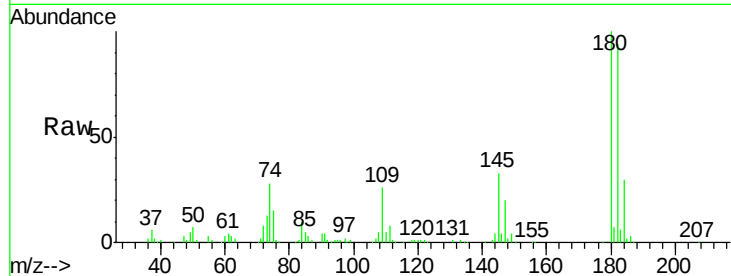
#93
 1,2,4-Trichlorobenzene
 Concen: 53.944 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067352.D
 Acq: 21 Oct 2020 17:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	219766		
182	95.2	48.1	144.4	
145	33.2	16.3	48.9	

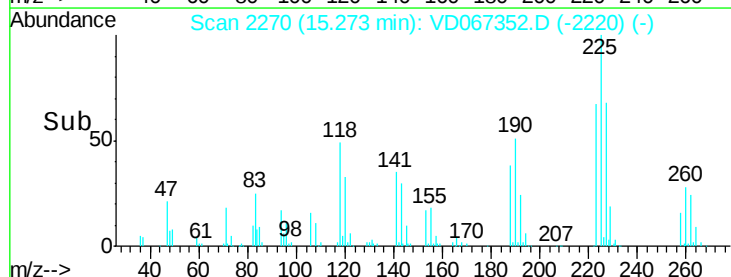
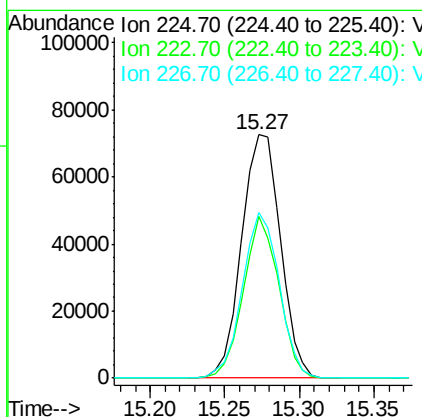
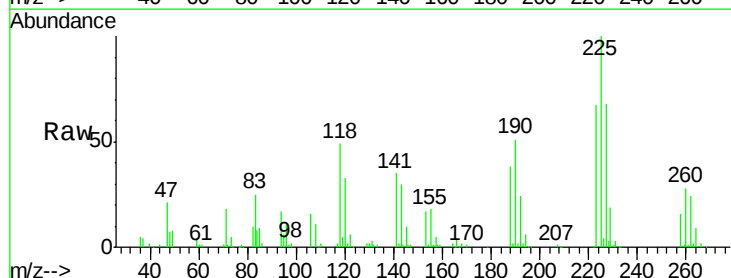
Manual Integrations
 APPROVED

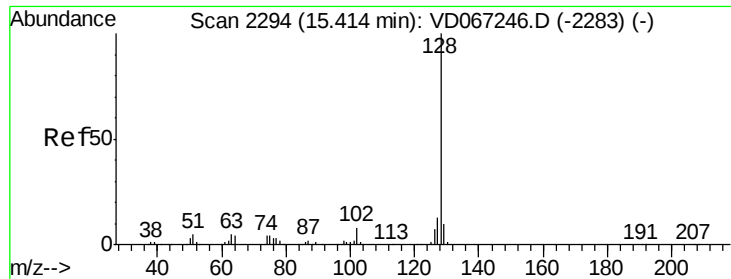
MMDadoda
 10/22/2020 5:19:21 PM



#94
 Hexachlorobutadiene
 Concen: 51.777 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067352.D
 Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	130988		
223	60.5	31.9	95.7	
227	64.4	31.2	93.6	





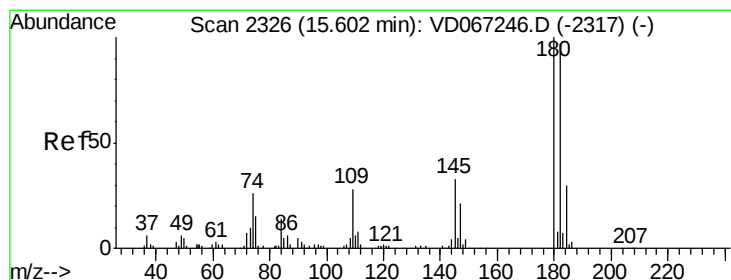
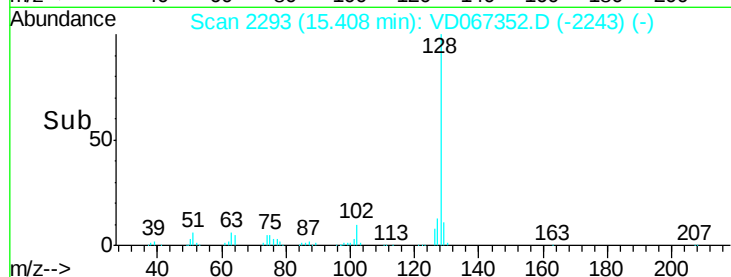
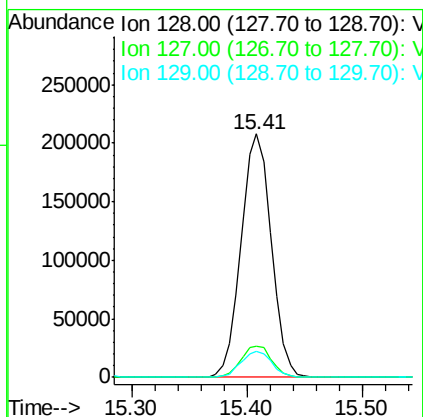
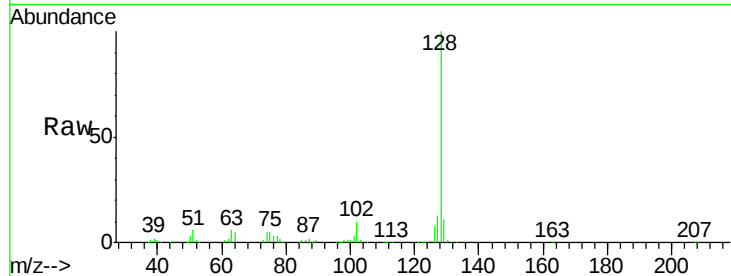
#95
Naphthalene
Concen: 56.452 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/22/2020 5:19:21 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.381 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067352.D
Acq: 21 Oct 2020 17:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.1	144.3
145	33.0	17.3	51.9

