

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067426.D
 Acq On : 28 Oct 2020 11:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 12:00:51 PM

Quant Time: Oct 29 00:52:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	344760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	507935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	457363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	229170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	153001	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
35) Dibromofluoromethane	7.92	113	163321	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
50) Toluene-d8	10.34	98	593579	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.64	95	197529	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	118021	41.943	ug/l	97
3) Chloromethane	2.21	50	85358	39.340	ug/l	97
4) Vinyl Chloride	2.35	62	103668	43.546	ug/l	99
5) Bromomethane	2.77	94	79150	47.667	ug/l	99
6) Chloroethane	2.92	64	64894	43.770	ug/l	96
7) Trichlorofluoromethane	3.27	101	284422	47.445	ug/l	96
8) Diethyl Ether	3.71	74	62213	45.353	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	155855	48.935	ug/l	98
10) Methyl Iodide	4.30	142	150587	51.255	ug/l	99
11) Tert butyl alcohol	5.21	59	41115	224.263	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	138273	48.596	ug/l	94
13) Acrolein	3.92	56	41425	204.948	ug/l	97
14) Allyl chloride	4.71	41	157706	48.399	ug/l	99
15) Acrylonitrile	5.42	53	109543	239.325	ug/l	100
16) Acetone	4.15	43	126758	262.043	ug/l	99
17) Carbon Disulfide	4.41	76	337532	41.611	ug/l	99
18) Methyl Acetate	4.71	43	52604	47.678	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	272441	48.154	ug/l	98
20) Methylene Chloride	4.96	84	151184	48.673	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	159085	48.585	ug/l	96
22) Diisopropyl ether	6.36	45	298816	50.200	ug/l	98
23) Vinyl Acetate	6.30	43	863691	255.041	ug/l	98
24) 1,1-Dichloroethane	6.26	63	248571	48.784	ug/l	97
25) 2-Butanone	7.21	43	132204	239.759	ug/l #	84
26) 2,2-Dichloropropane	7.21	77	269035	51.226	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	177124	49.357	ug/l	98
28) Bromochloromethane	7.55	49	78100	44.938	ug/l #	97
29) Tetrahydrofuran	7.57	42	76212	248.641	ug/l	97
30) Chloroform	7.71	83	296714	48.746	ug/l	93
31) Cyclohexane	7.98	56	185343	46.589	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	301653	50.509	ug/l	99
36) 1,1-Dichloropropene	8.11	75	216381	50.262	ug/l	99
37) Ethyl Acetate	7.29	43	63090	49.809	ug/l #	94
38) Carbon Tetrachloride	8.10	117	281107	51.089	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	231675	51.476	ug/l	98
40) Benzene	8.35	78	592522	50.169	ug/l	97
41) Methacrylonitrile	7.52	41	37389	54.625	ug/l #	58
42) 1,2-Dichloroethane	8.43	62	180646	48.875	ug/l	100
43) Isopropyl Acetate	8.46	43	121904	48.503	ug/l	98
44) Trichloroethene	9.11	130	192209	50.830	ug/l	96
45) 1,2-Dichloropropane	9.39	63	137168	50.113	ug/l	97
46) Dibromomethane	9.48	93	80871	47.420	ug/l	98
47) Bromodichloromethane	9.67	83	229140	50.149	ug/l	94
48) Methyl methacrylate	9.46	41	59387	48.622	ug/l	95
49) 1,4-Dioxane	9.47	88	18100	1099.751	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	315142	251.395	ug/l	97
52) Toluene	10.41	92	411203	51.118	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	200661	49.993	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	236991	50.452	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	115087	49.488	ug/l	95
56) Ethyl methacrylate	10.67	69	124537	51.636	ug/l	98
57) 1,3-Dichloropropane	10.95	76	184151	49.758	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	314808	254.436	ug/l	98
59) 2-Hexanone	10.99	43	217376	253.765	ug/l	99
60) Dibromochloromethane	11.14	129	164002	48.357	ug/l	99
61) 1,2-Dibromoethane	11.25	107	109037	47.559	ug/l	96
64) Tetrachloroethene	10.88	164	165083	49.818	ug/l	94
65) Chlorobenzene	11.67	112	449238	51.222	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	183224	52.563	ug/l	98
67) Ethyl Benzene	11.75	91	795546	52.916	ug/l	100
68) m/p-Xylenes	11.85	106	612807	105.849	ug/l	98
69) o-Xylene	12.18	106	278928	52.029	ug/l	97
70) Styrene	12.20	104	479644	51.973	ug/l	99
71) Bromoform	12.37	173	93373	49.862	ug/l #	98
73) Isopropylbenzene	12.48	105	813182	55.909	ug/l	99
74) N-amyl acetate	12.29	43	109536	49.863	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	110025	49.370	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	69598m	43.817	ug/l	
77) Bromobenzene	12.77	156	184296	50.824	ug/l	97
78) n-propylbenzene	12.83	91	926781	54.996	ug/l	100
79) 2-Chlorotoluene	12.91	91	517141	52.917	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	689371	54.542	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	35263	50.345	ug/l	96
82) 4-Chlorotoluene	13.01	91	547916	52.825	ug/l	100
83) tert-Butylbenzene	13.23	119	590814	55.338	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	678326	54.300	ug/l	99
85) sec-Butylbenzene	13.41	105	803580	54.853	ug/l	100
86) p-Isopropyltoluene	13.52	119	766893	55.461	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	365979	52.437	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	355831	51.458	ug/l	99
89) n-Butylbenzene	13.85	91	676593	55.620	ug/l	99
90) Hexachloroethane	14.12	117	128092	53.085	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	312365	51.231	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18984	46.889	ug/l	96

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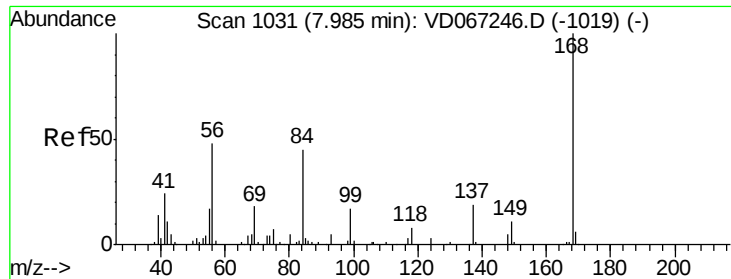
Manual Integrations
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10/29/2020 12:00:51 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	222529	54.132	ug/l	98
94) Hexachlorobutadiene	15.27	225	142845	55.956	ug/l	98
95) Naphthalene	15.41	128	359513	53.266	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	191848	54.020	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 344760

Ion Ratio Lower Upper

168 100

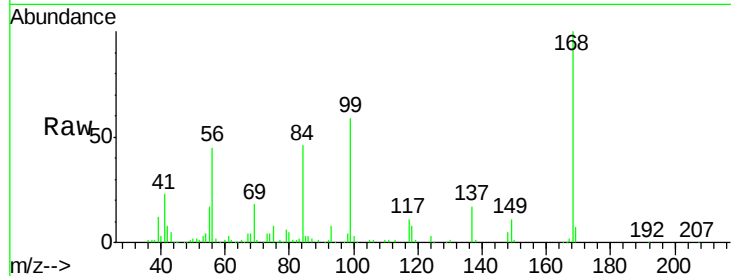
99 59.2 45.9 68.9

Manual Integrations

APPROVED

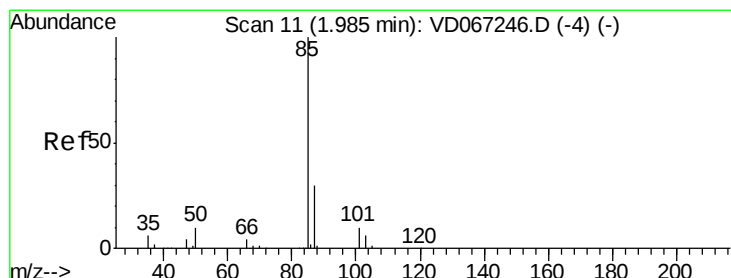
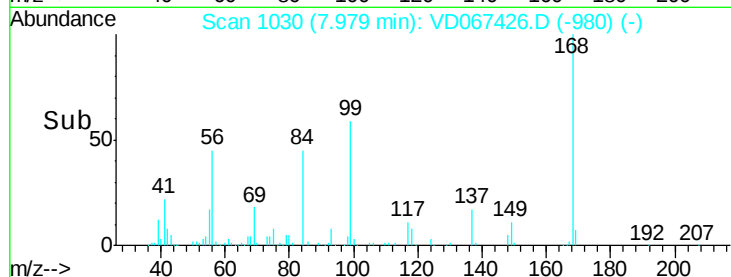
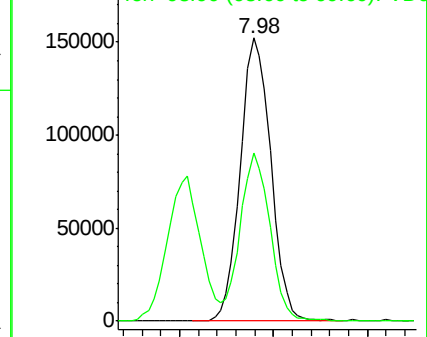
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 41.943 ug/l

RT: 1.98 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067426.D

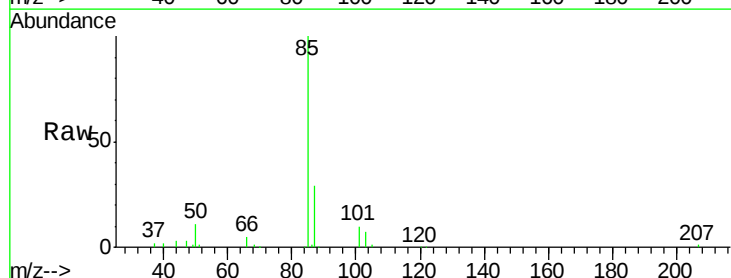
Acq: 28 Oct 2020 11:32

Tgt Ion: 85 Resp: 118021

Ion Ratio Lower Upper

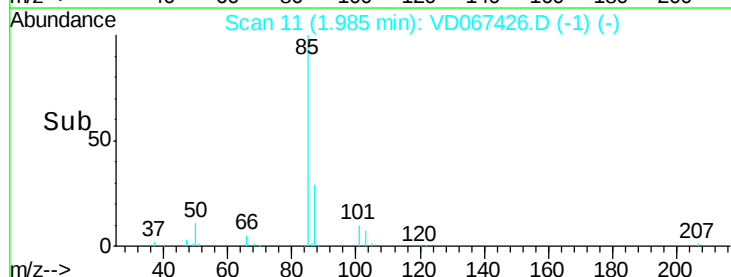
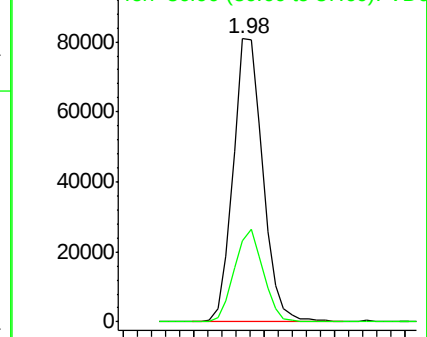
85 100

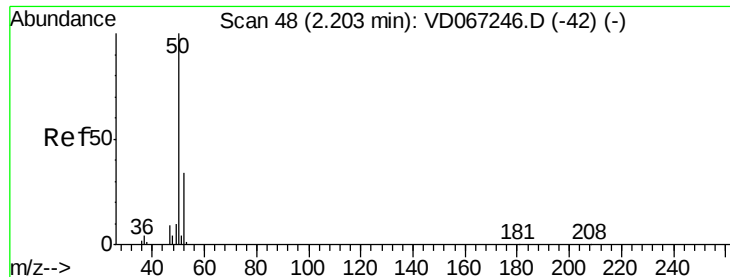
87 28.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 39.340 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 85358

Ion Ratio Lower Upper

50 100

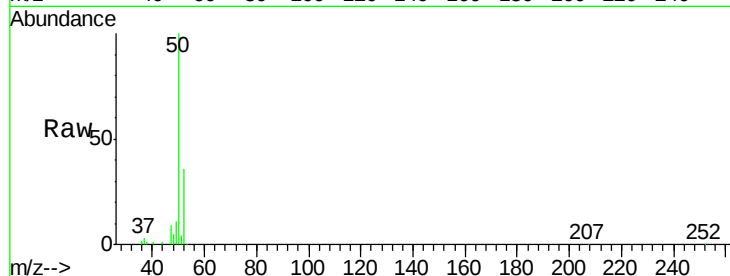
52 35.7 27.1 40.7

Manual Integrations

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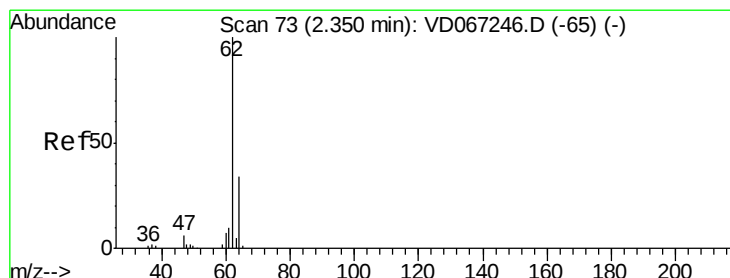
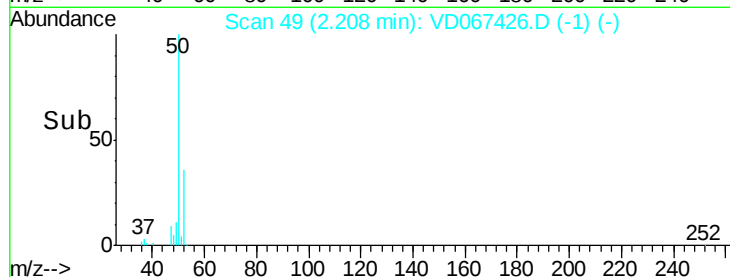
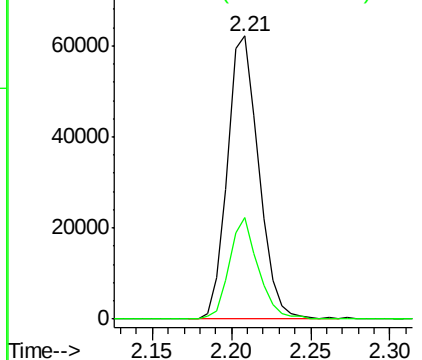
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.546 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067426.D

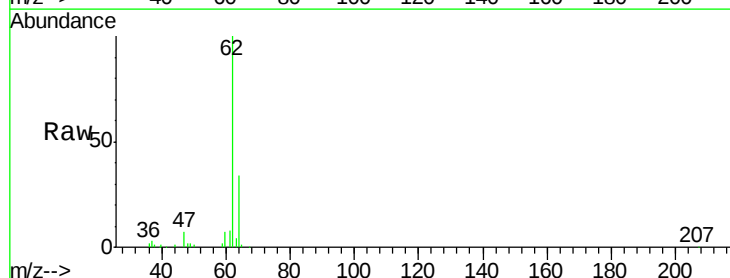
Acq: 28 Oct 2020 11:32

Tgt Ion: 62 Resp: 103668

Ion Ratio Lower Upper

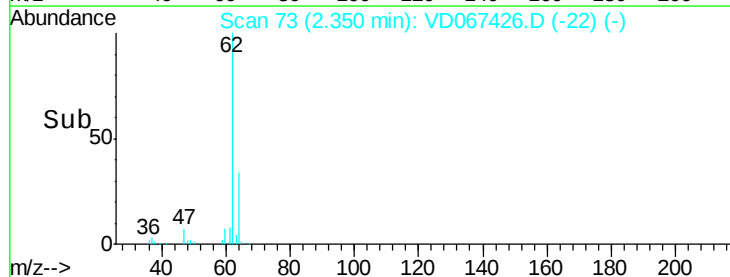
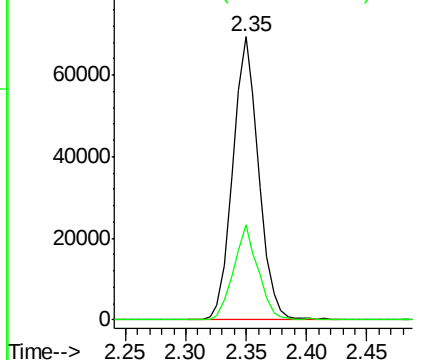
62 100

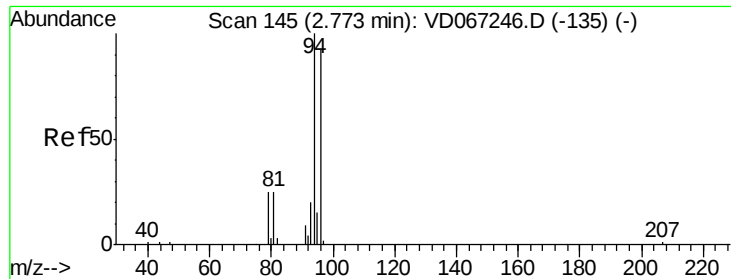
64 33.6 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 47.667 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 79150

Ion Ratio Lower Upper

94 100

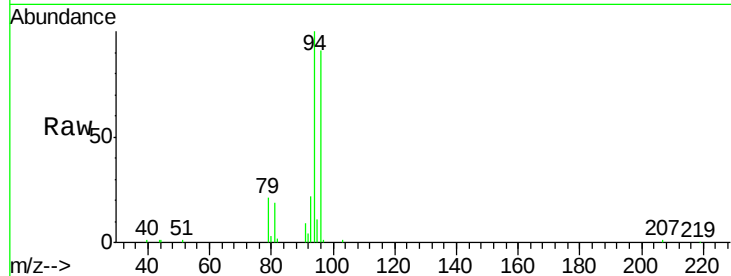
96 91.1 73.8 110.6

Manual Integrations

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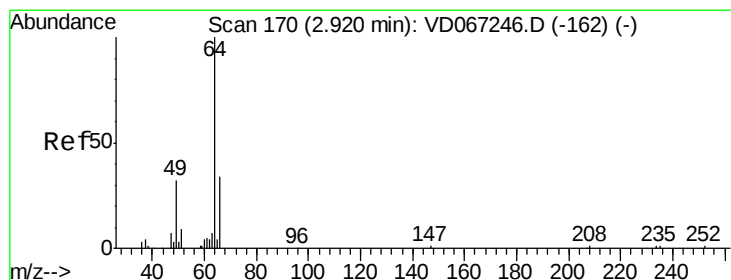
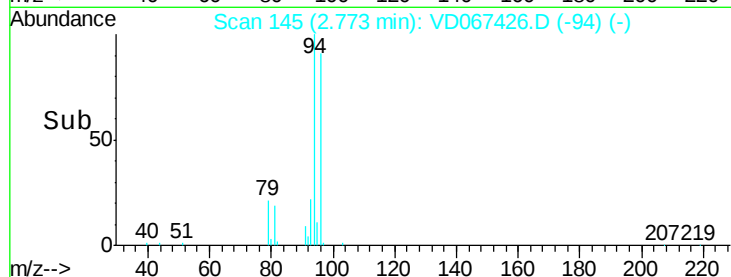
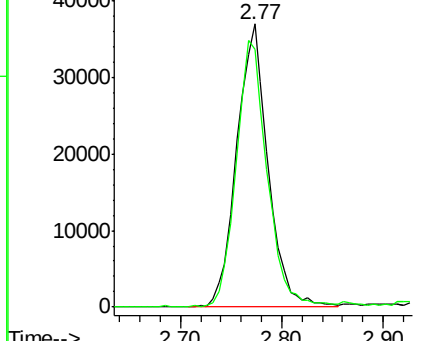
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 43.770 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD067426.D

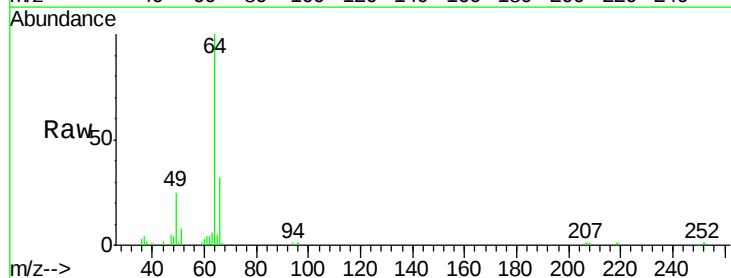
Acq: 28 Oct 2020 11:32

Tgt Ion: 64 Resp: 64894

Ion Ratio Lower Upper

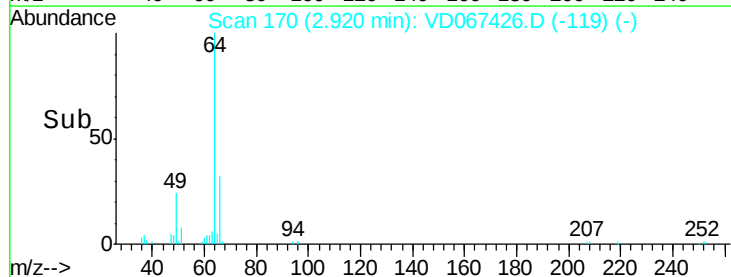
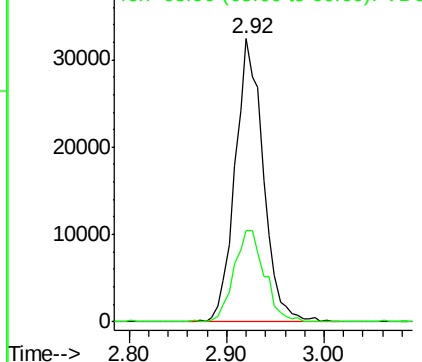
64 100

66 32.1 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

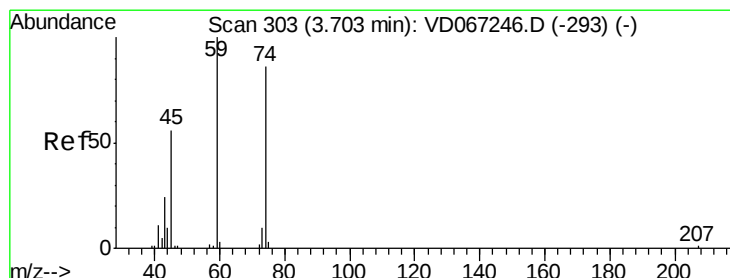
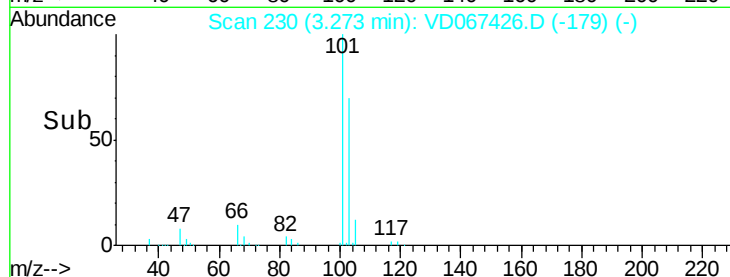
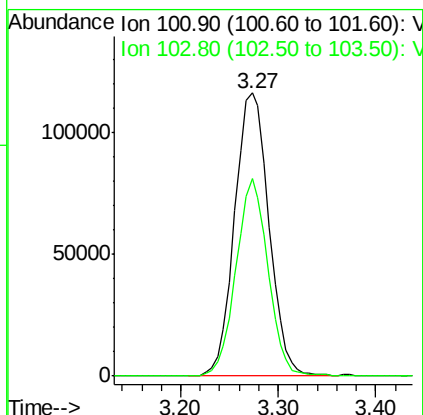
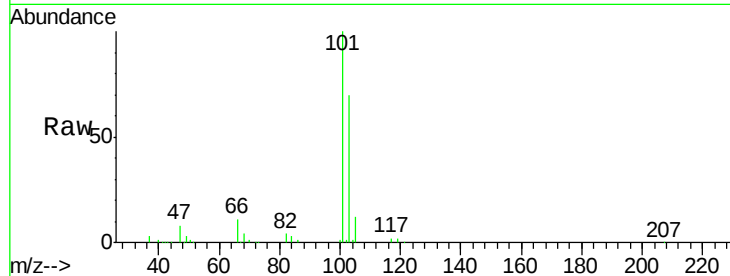
Trichlorofluoromethane
Concen: 47.445 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	284422		
103	69.7	53.1	79.7	

Manual Integrations
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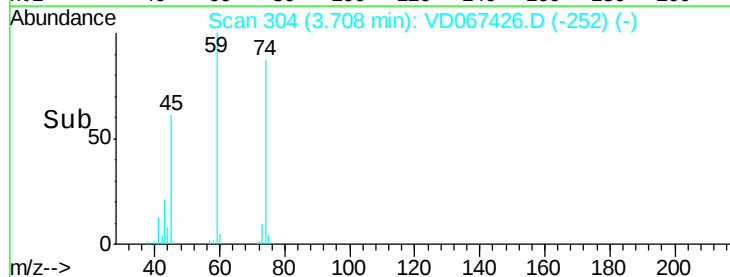
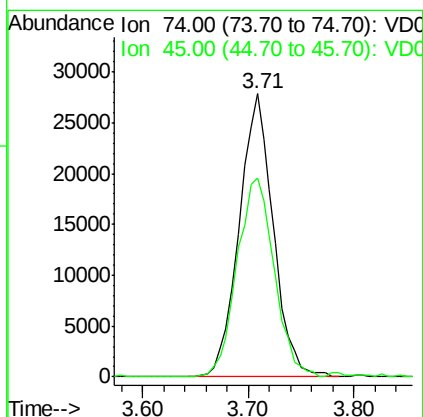
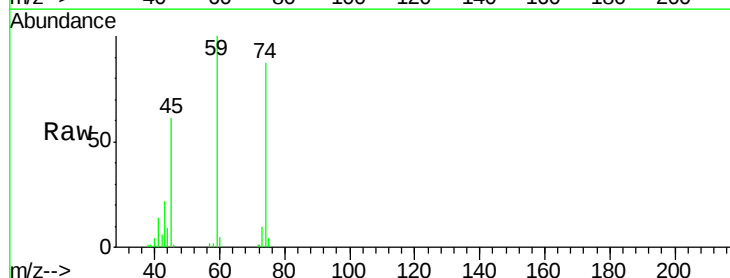
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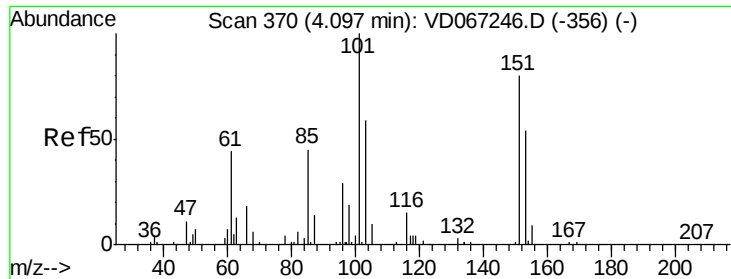


#8

Diethyl Ether
Concen: 45.353 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	62213		
45	76.9	37.0	111.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.935 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

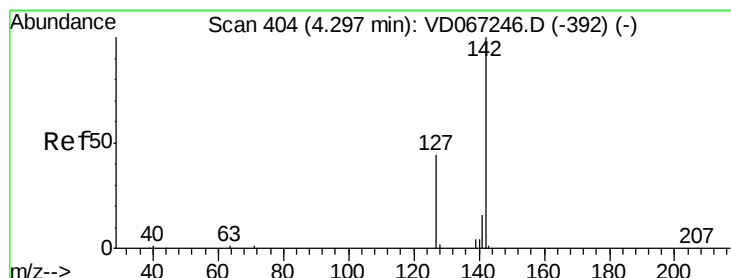
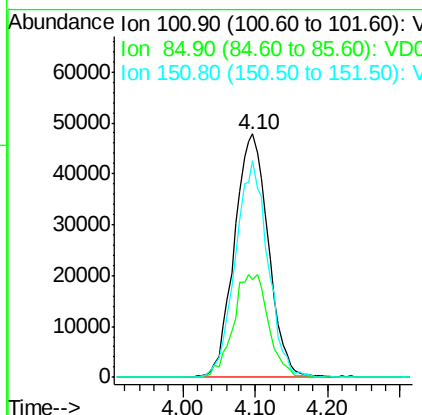
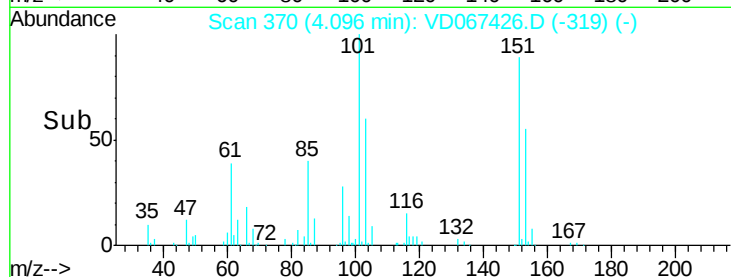
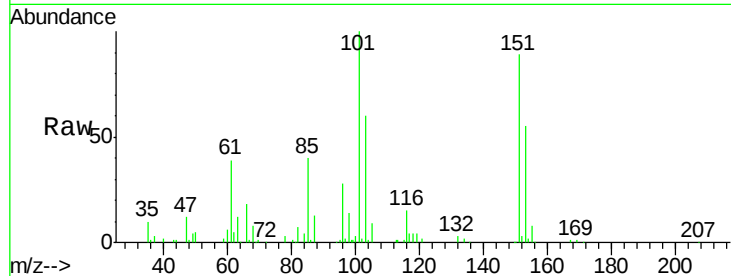
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	155855
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.2	51.4
151	85.1	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 51.255 ug/l

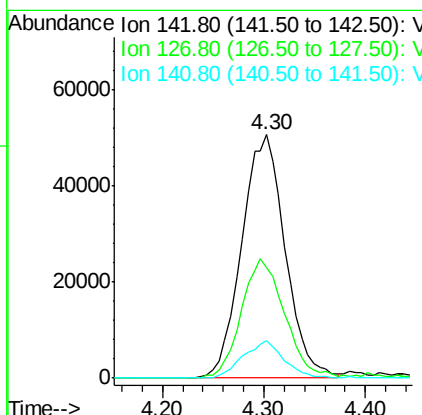
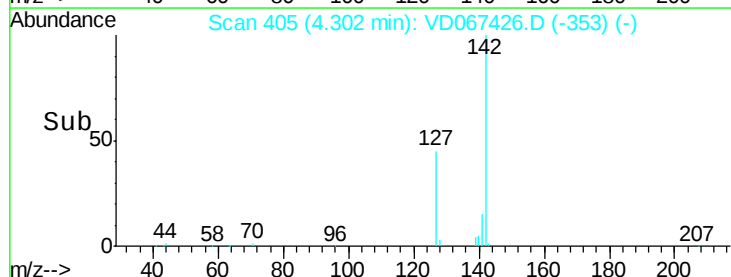
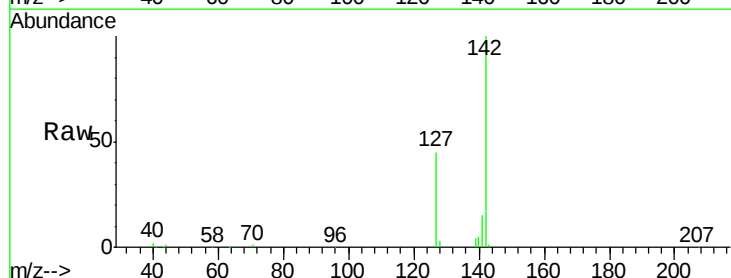
RT: 4.30 min Scan# 405

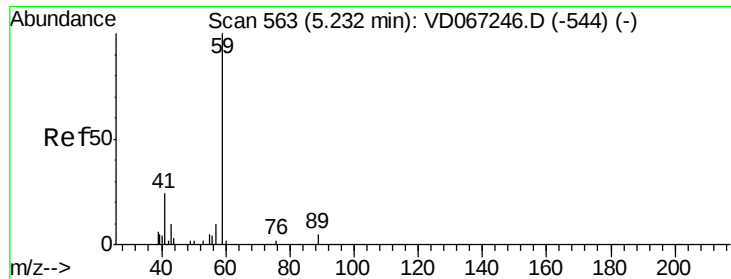
Delta R.T. 0.01 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Tgt Ion:	142	Resp:	150587
Ion Ratio	Lower	Upper	
142	100		
127	49.2	38.4	57.6
141	14.4	11.6	17.4





#11

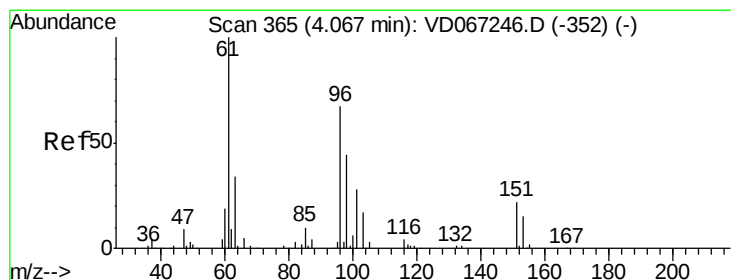
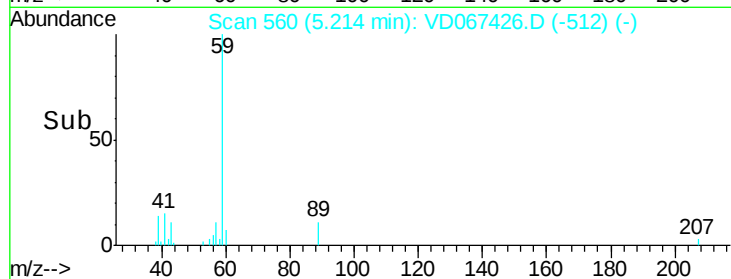
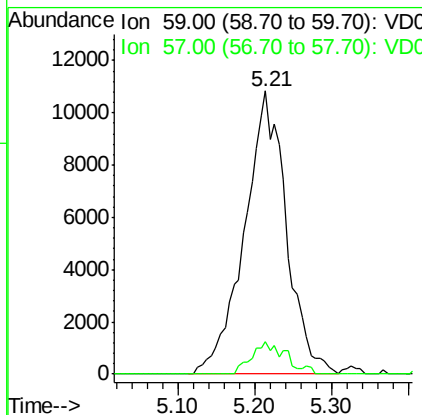
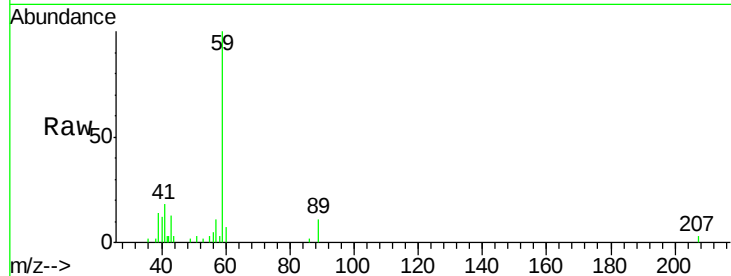
Tert butyl alcohol
Concen: 224.263 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.8	5.1	7.7#

Manual Integrations
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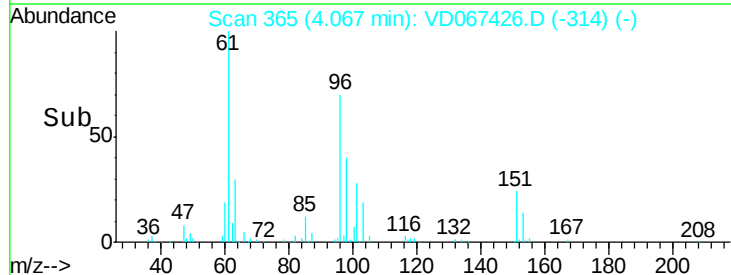
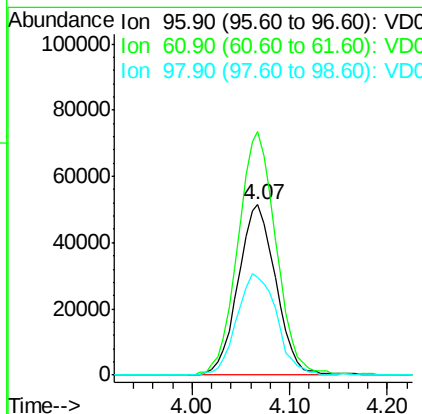
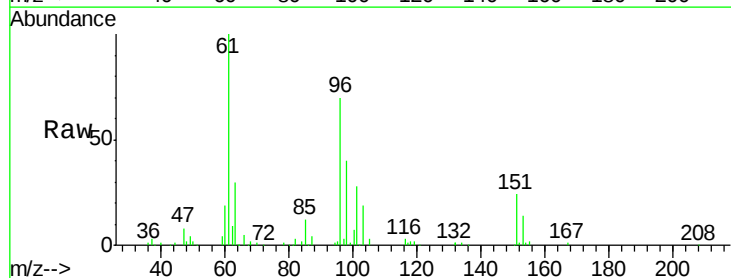
MMDadoda
10/29/2020 12:00:51 PM

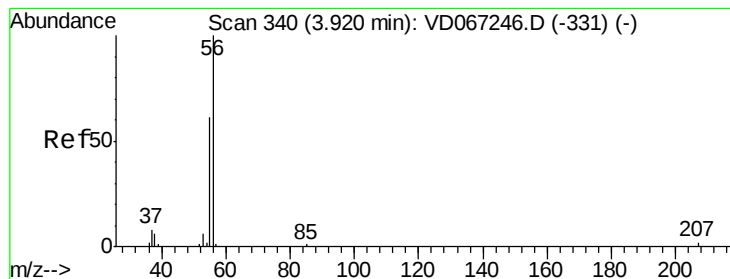


#12

1,1-Dichloroethene
Concen: 48.596 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.7	118.6	177.8
98	57.3	51.8	77.6





#13

Acrolein

Concen: 204.948 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 41425

Ion Ratio Lower Upper

56 100

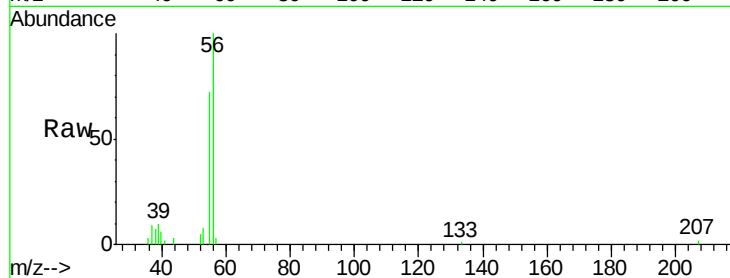
55 67.2 56.0 84.0

Manual Integrations

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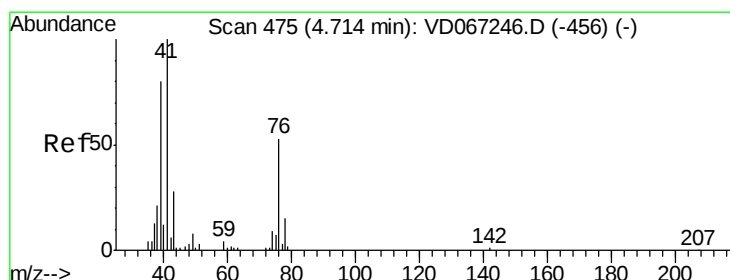
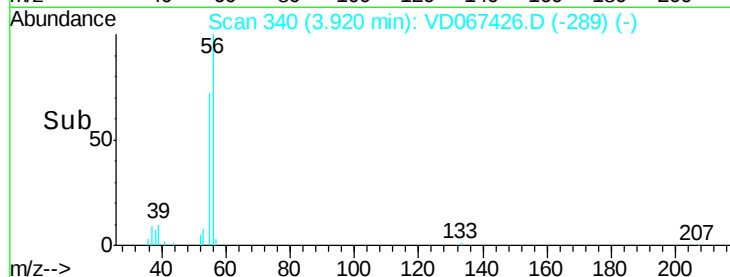
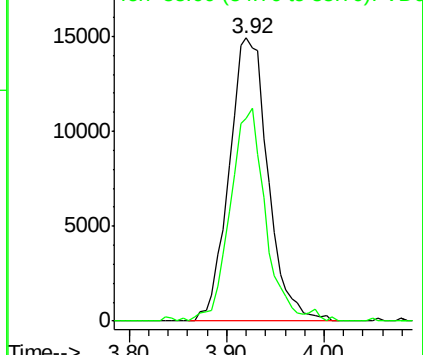
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.399 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

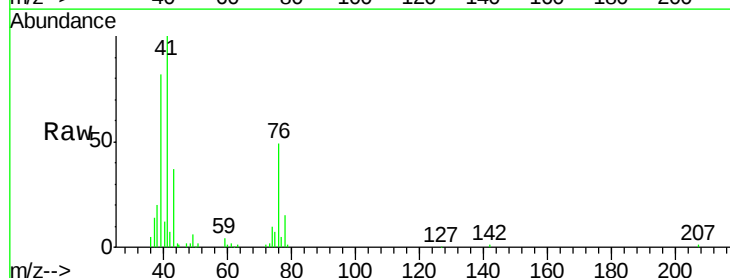
Tgt Ion: 41 Resp: 157706

Ion Ratio Lower Upper

41 100

39 79.6 63.8 95.6

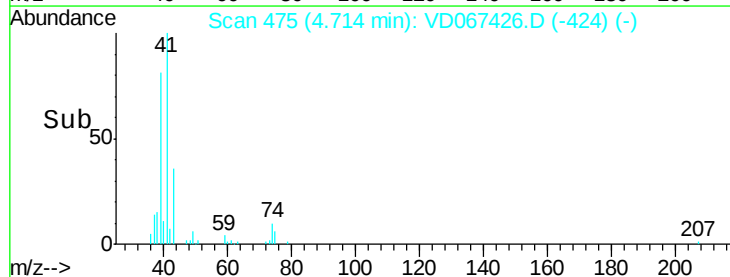
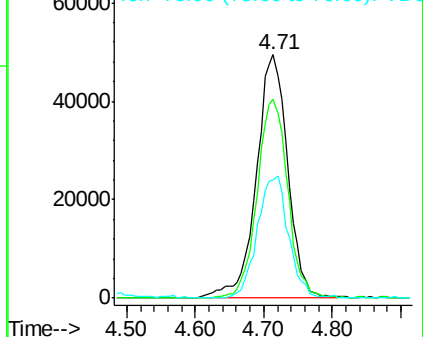
76 49.3 40.4 60.6

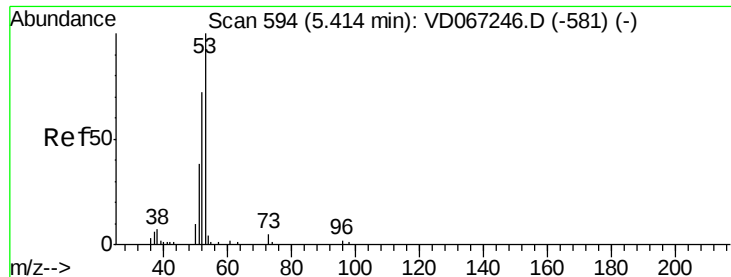


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 239.325 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

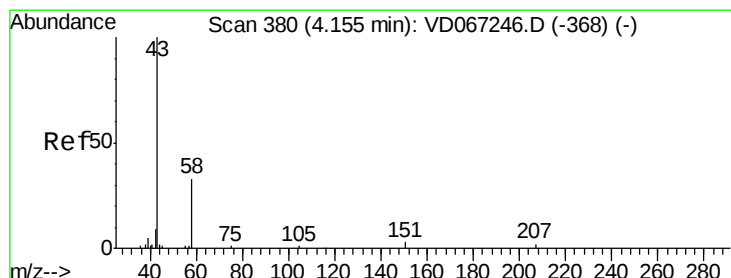
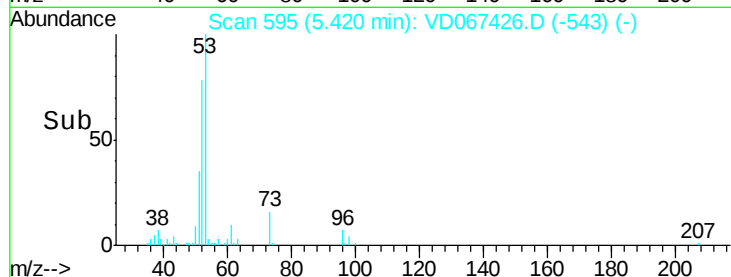
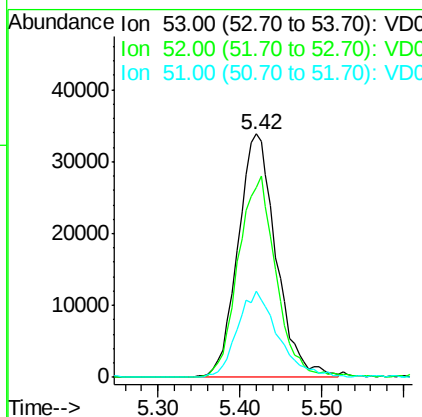
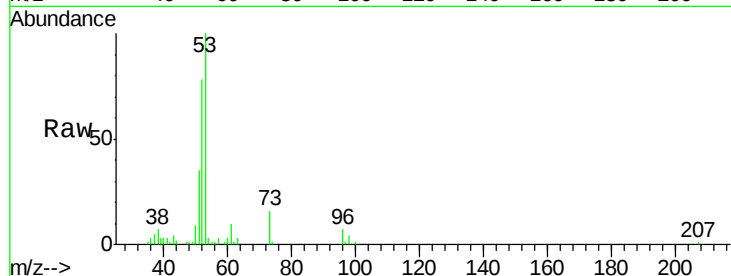
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	109543
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.6	98.4
51	38.0	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 262.043 ug/l

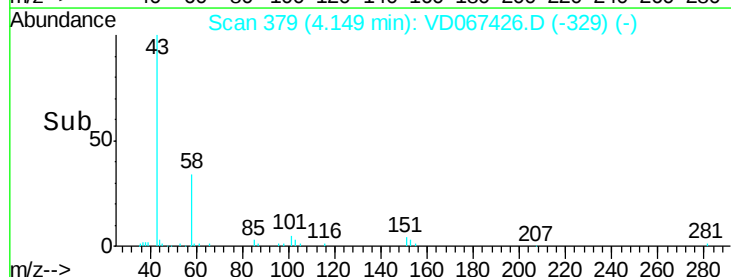
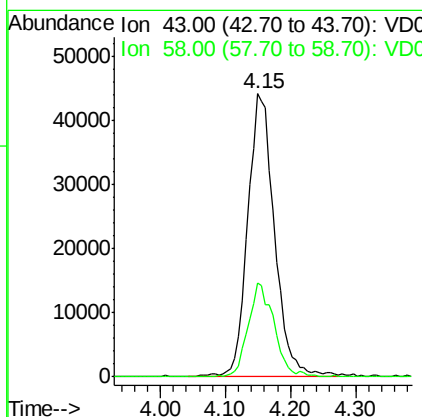
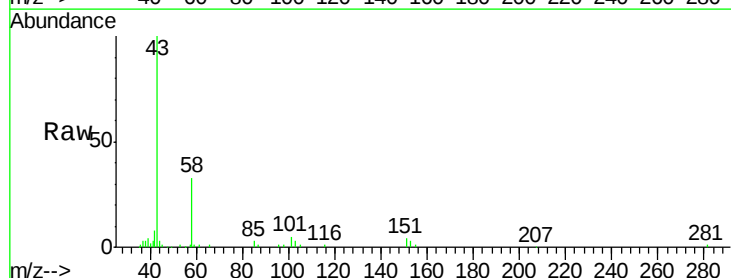
RT: 4.15 min Scan# 379

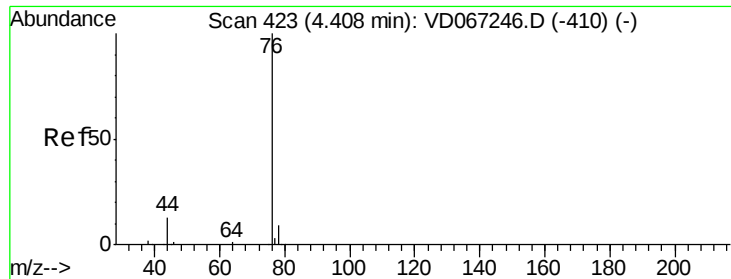
Delta R.T. -0.01 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Tgt Ion:	43	Resp:	126758
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.1	39.1





#17

Carbon Disulfide

Concen: 41.611 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 337532

Ion Ratio Lower Upper

76 100

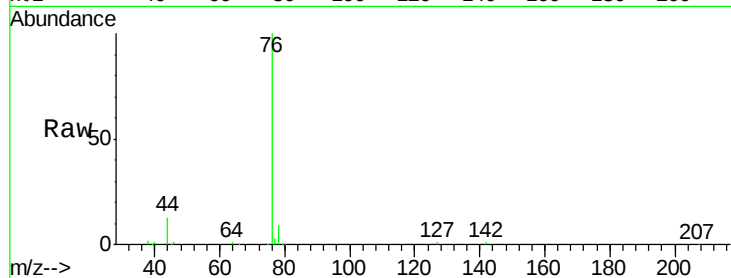
78 9.4 7.4 11.0

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

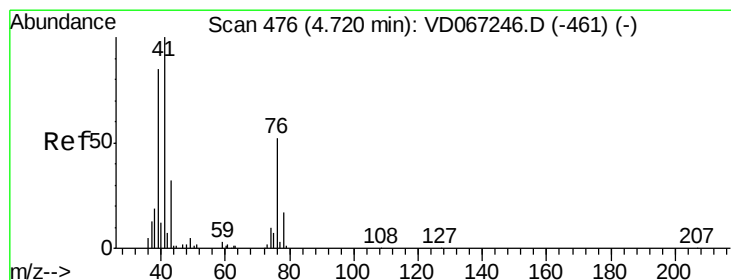
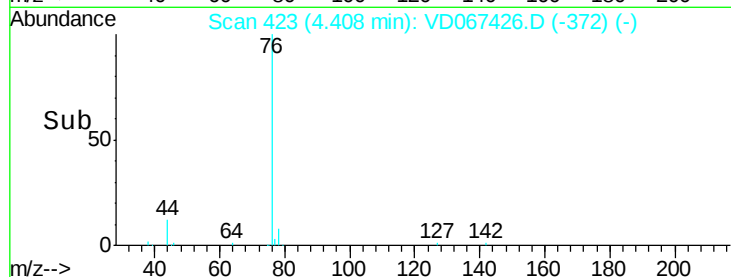
4.41

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.678 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067426.D

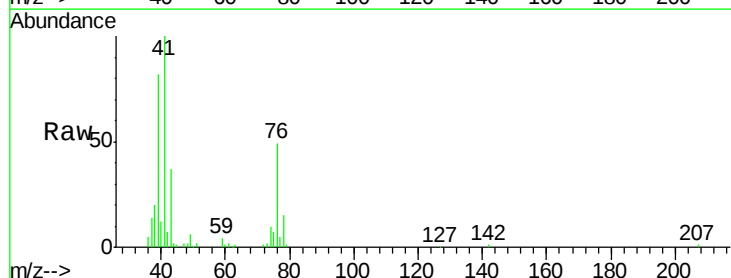
Acq: 28 Oct 2020 11:32

Tgt Ion: 43 Resp: 52604

Ion Ratio Lower Upper

43 100

74 32.6 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

20000

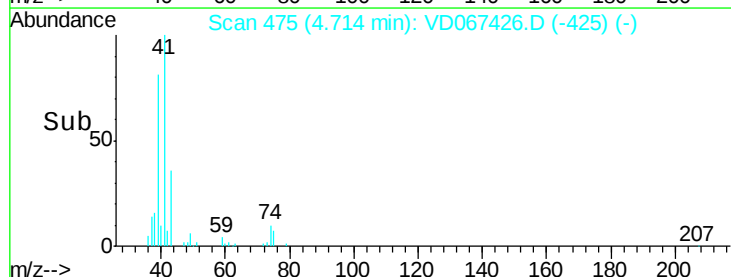
15000

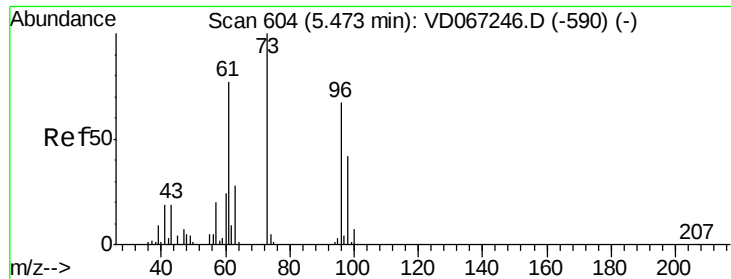
10000

5000

0

Time-->





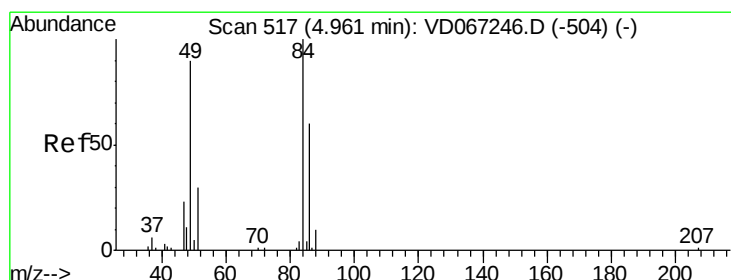
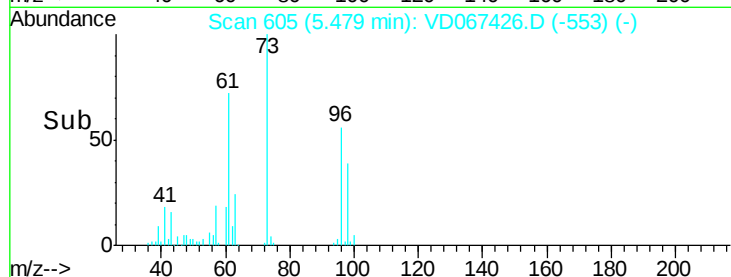
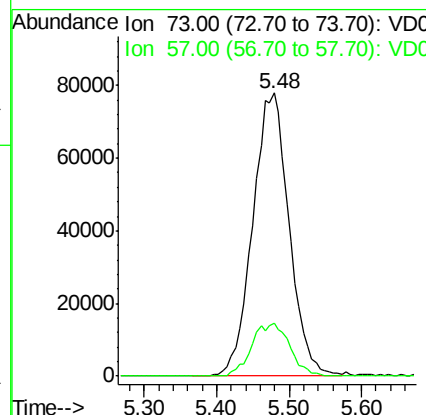
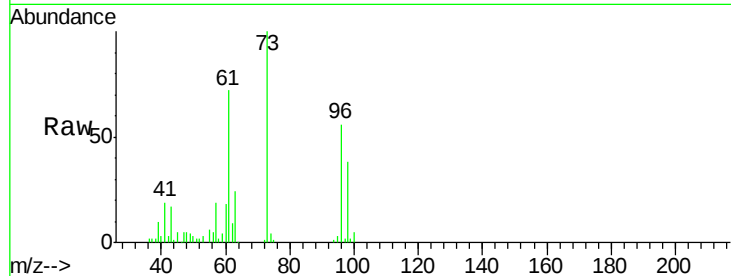
#19
Methvl tert-butvl Ether
Concen: 48.154 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 272441
Ion Ratio Lower Upper
73 100
57 18.7 15.7 23.5

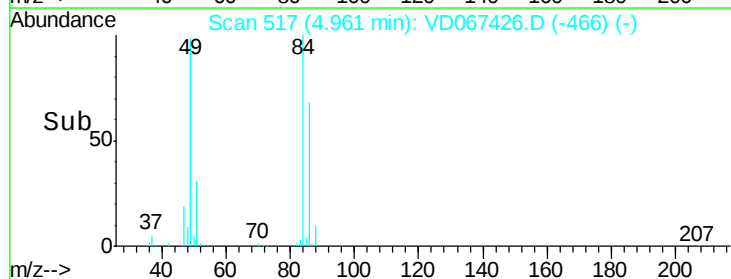
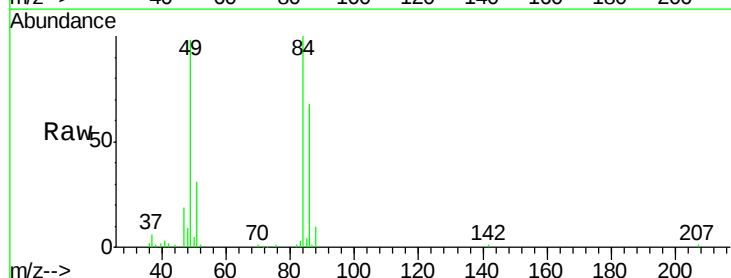
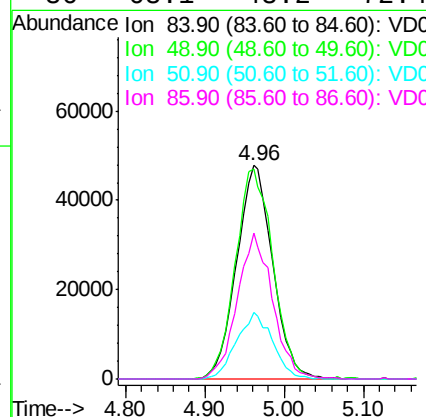
Manual Integrations
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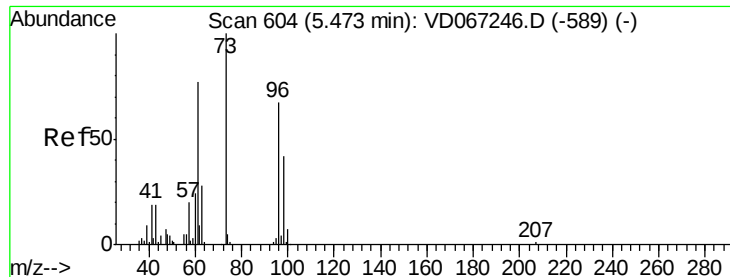
MMDadoda
10/29/2020 12:00:51 PM



#20
Methylene Chloride
Concen: 48.673 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion: 84 Resp: 151184
Ion Ratio Lower Upper
84 100
49 98.3 72.2 108.2
51 31.0 23.8 35.8
86 68.1 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 48.585 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

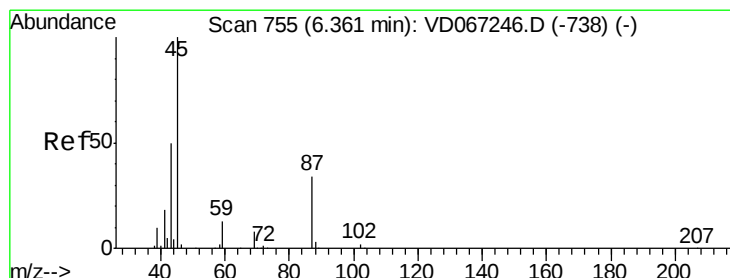
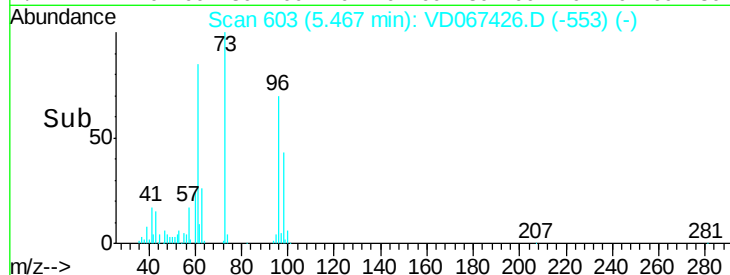
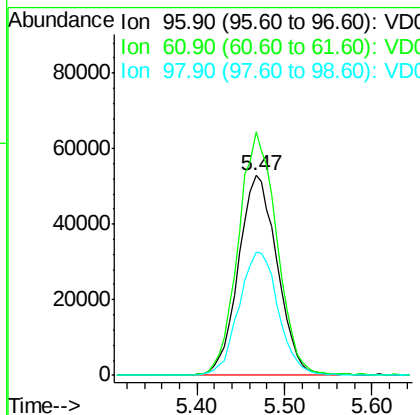
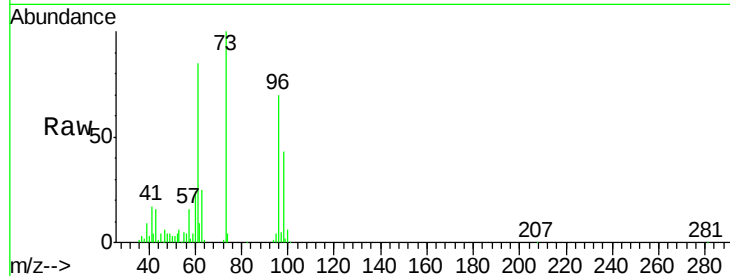
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	159085
Ion	Ratio	Lower	Upper
96	100		
61	121.8	92.0	138.0
98	61.6	49.8	74.8

Manual Integrations
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10/29/2020 12:00:51 PM



#22

Diisopropyl ether

Concen: 50.200 ug/l

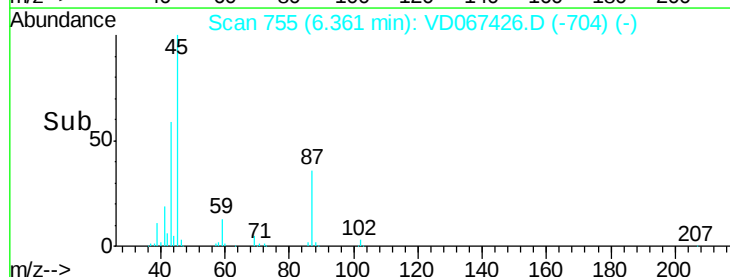
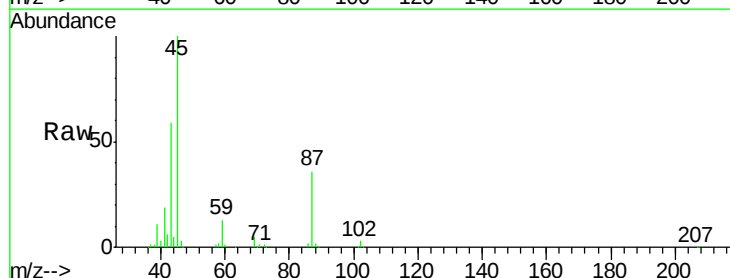
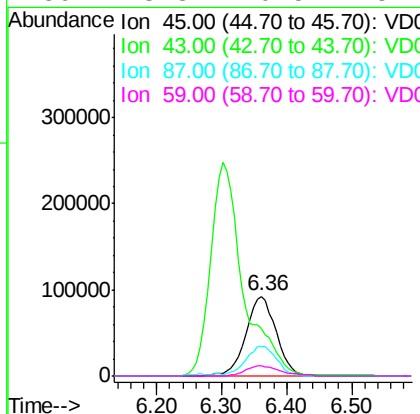
RT: 6.36 min Scan# 755

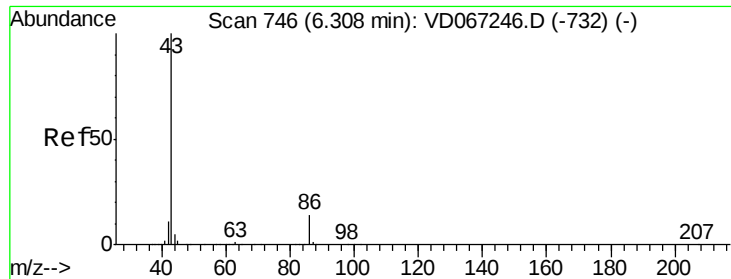
Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Tgt Ion:	45	Resp:	298816
Ion	Ratio	Lower	Upper
45	100		
43	57.5	48.0	72.0
87	36.4	28.5	42.7
59	13.3	10.5	15.7





#23

Vinyl Acetate

Concen: 255.041 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 863691

Ion Ratio Lower Upper

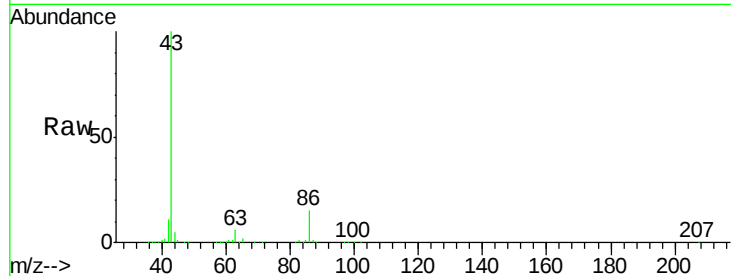
43 100

86 14.5 11.0 16.6

Manual Integrations
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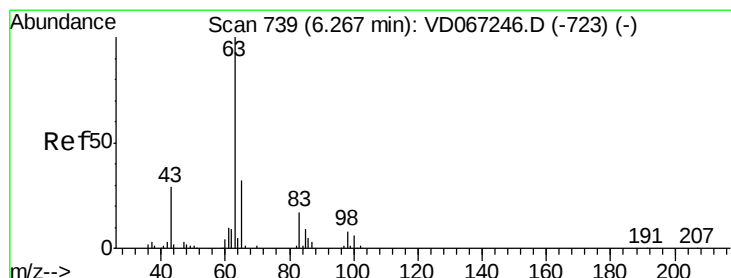
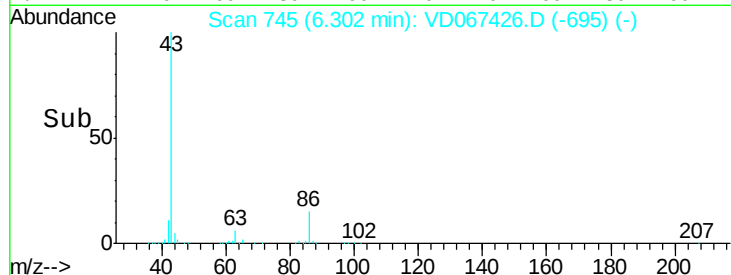
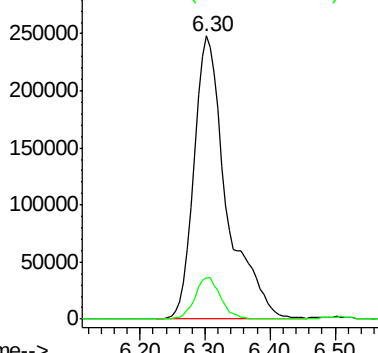
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.784 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

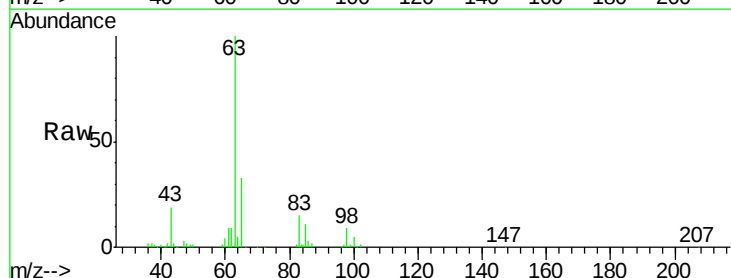
Tgt Ion: 63 Resp: 248571

Ion Ratio Lower Upper

63 100

98 9.2 4.0 12.2

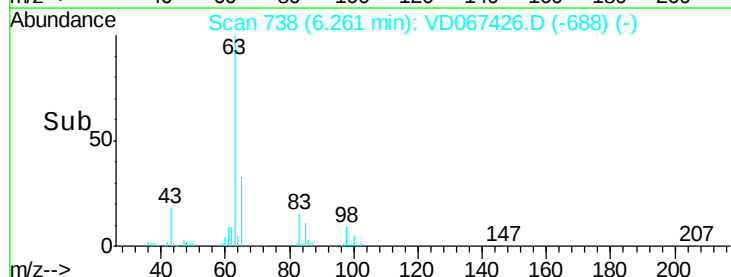
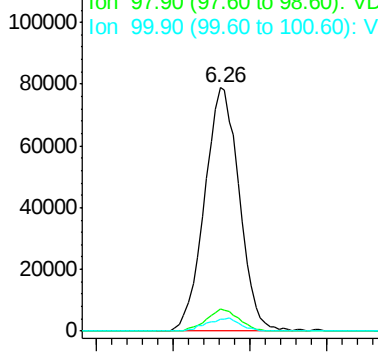
100 4.9 2.8 8.4

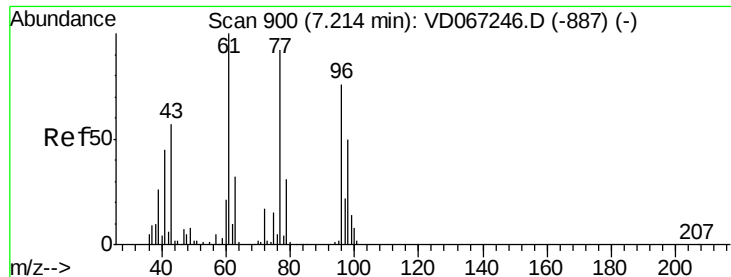


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 239.759 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 132204

Ion Ratio Lower Upper

43 100

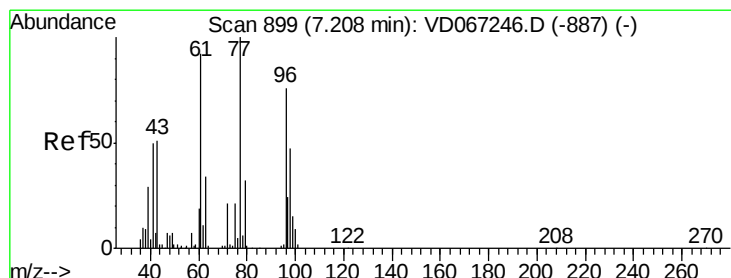
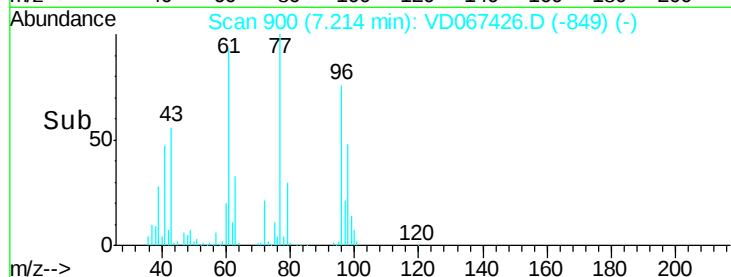
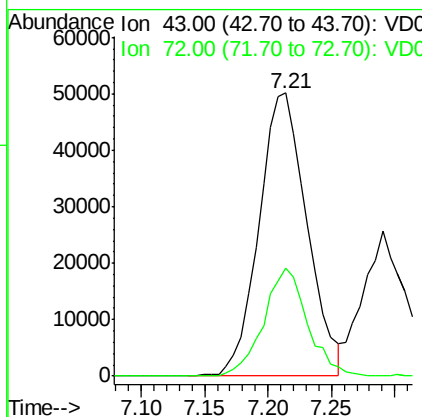
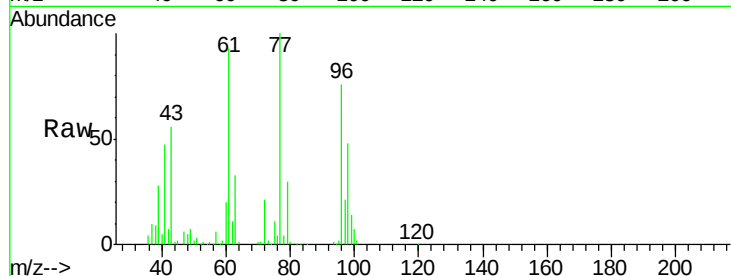
72 38.3 23.7 35.5#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.226 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067426.D

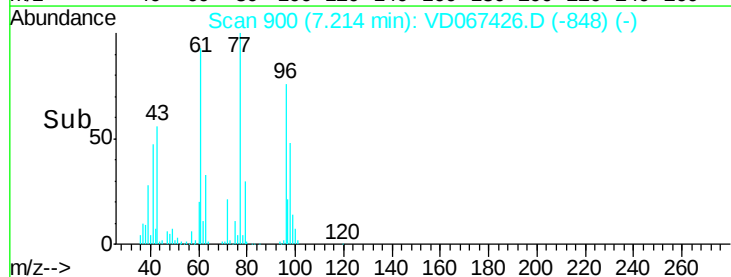
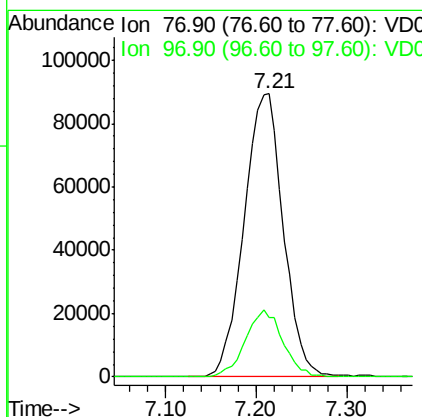
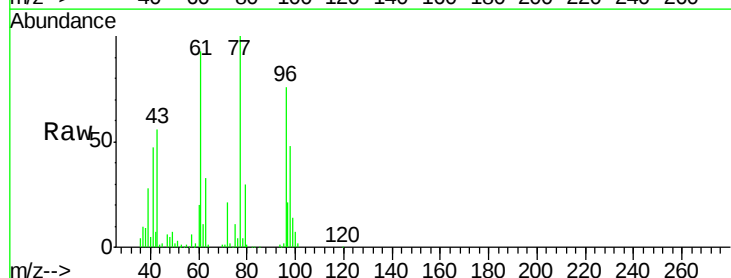
Acq: 28 Oct 2020 11:32

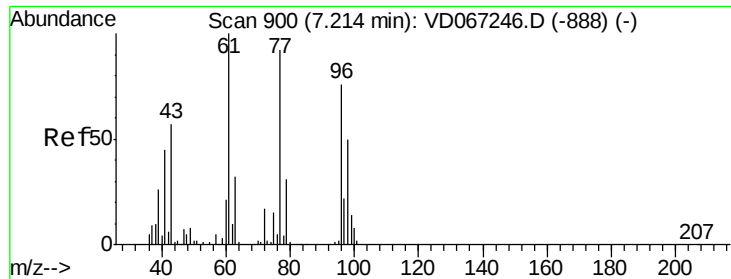
Tgt Ion: 77 Resp: 269035

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.2





#27

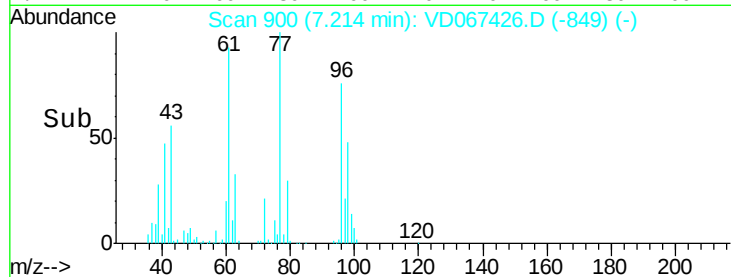
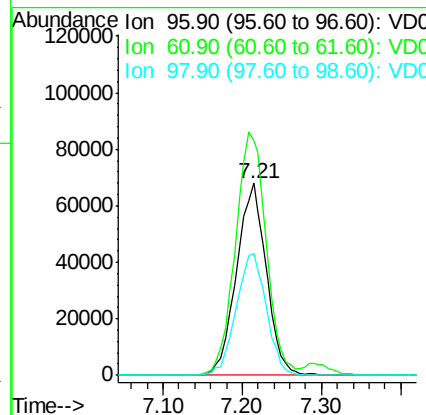
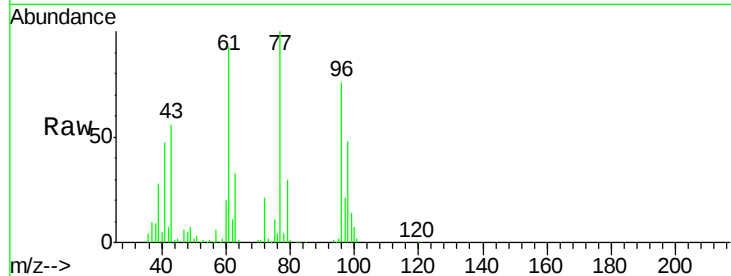
cis-1,2-Dichloroethene
Concen: 49.357 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	177124		
61	131.0	0.0	255.4	
98	64.3	0.0	128.0	

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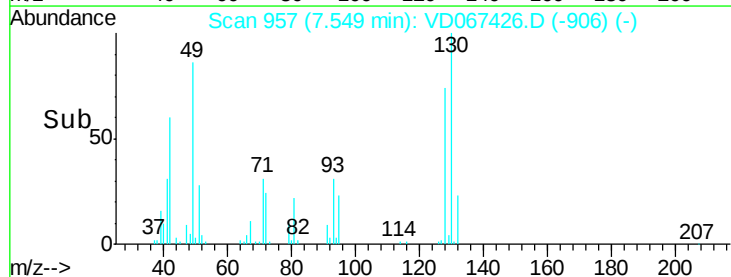
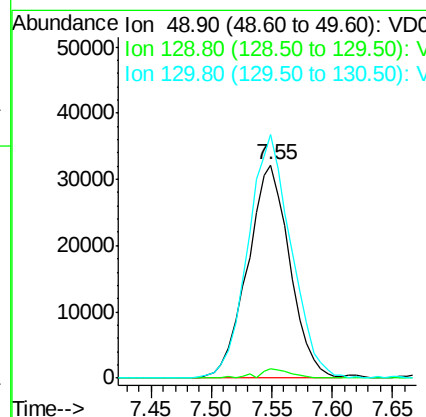
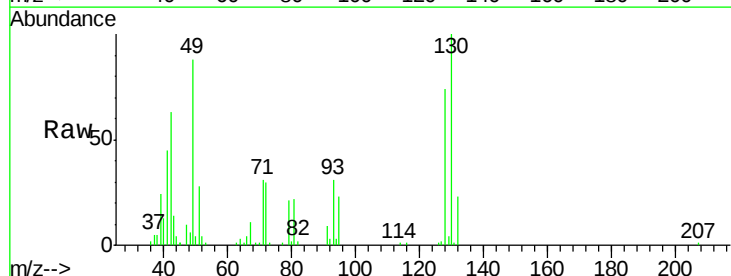
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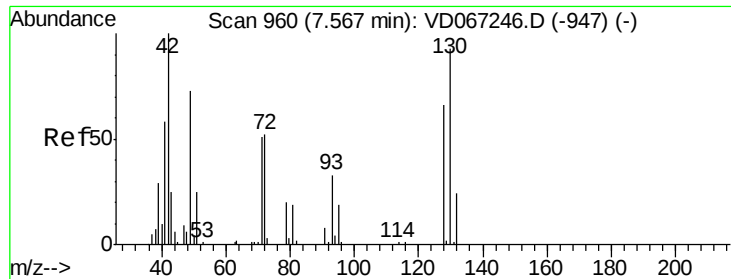


#28

Bromochloromethane
Concen: 44.938 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	78100		
129	3.1	0.0	1.6#	
130	116.6	91.0	136.6	





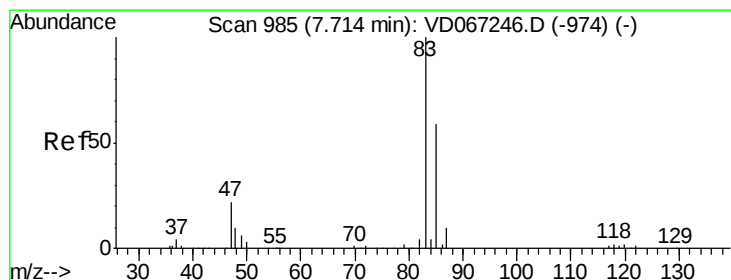
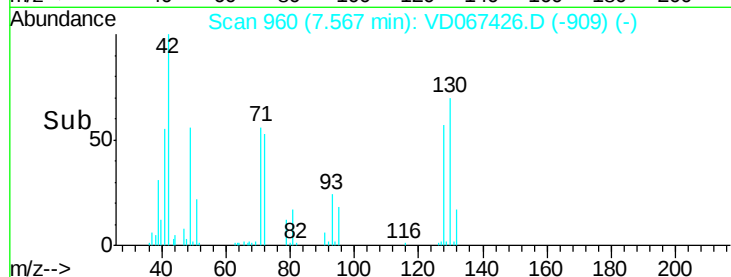
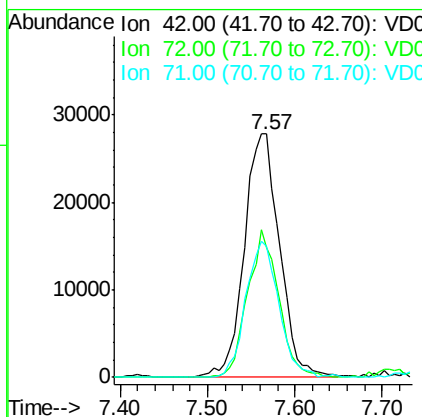
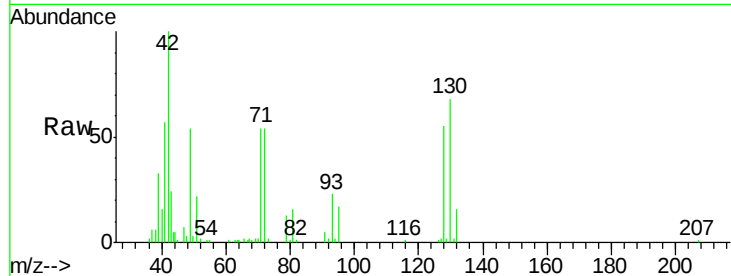
#29
Tetrahydrofuran
Concen: 248.641 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.5	43.2	64.8
71	52.5	39.4	59.0

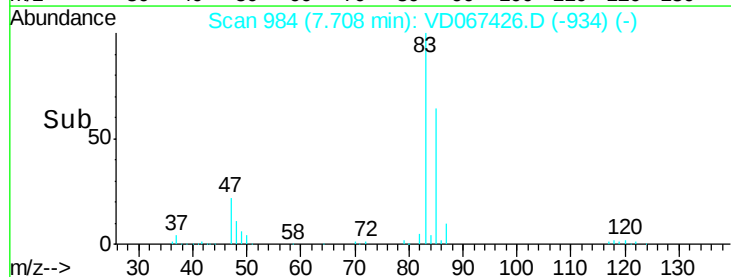
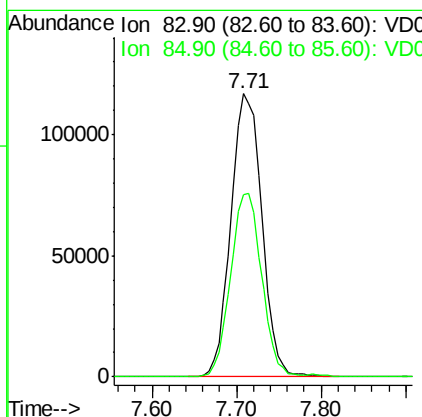
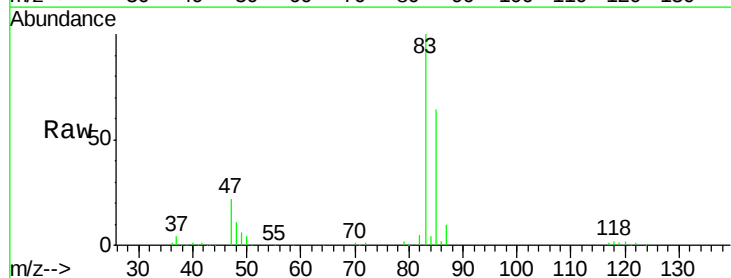
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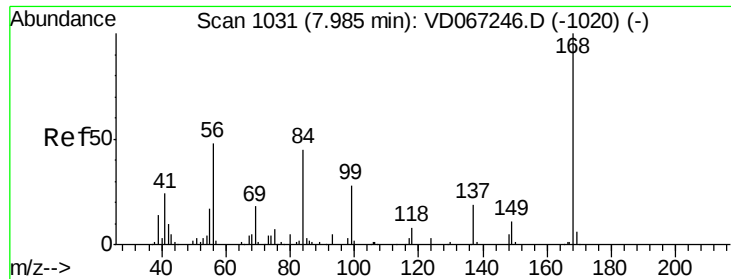
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#30
Chloroform
Concen: 48.746 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	47.3	70.9





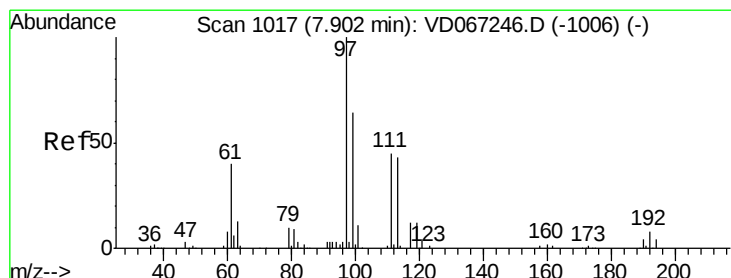
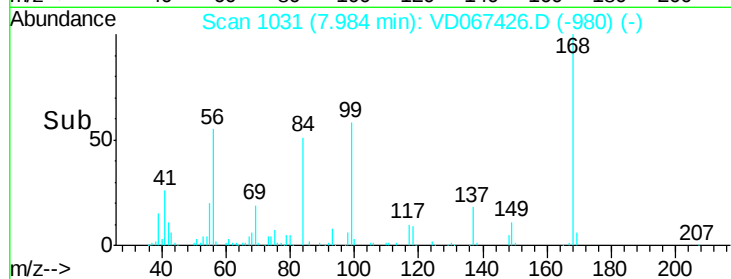
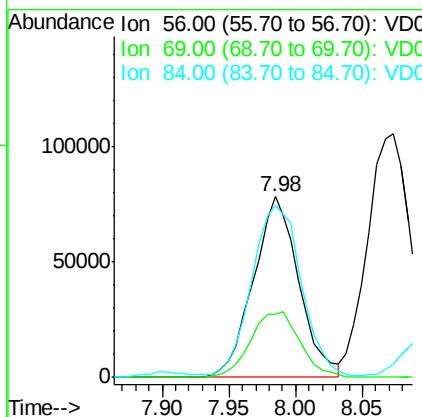
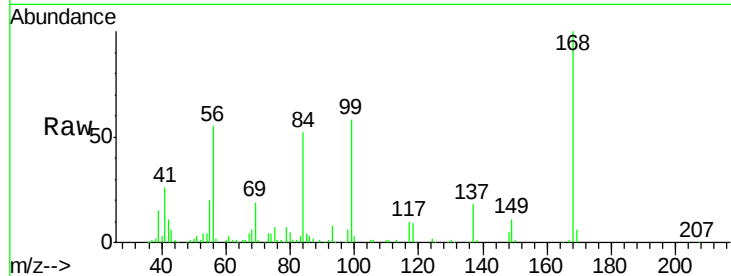
#31
Cyclohexane
Concen: 46.589 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.3	29.8	44.6
84	93.4	76.6	114.8

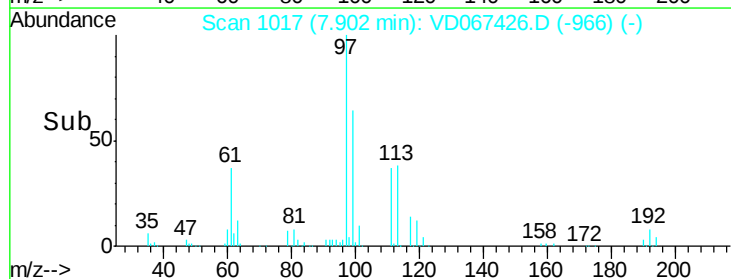
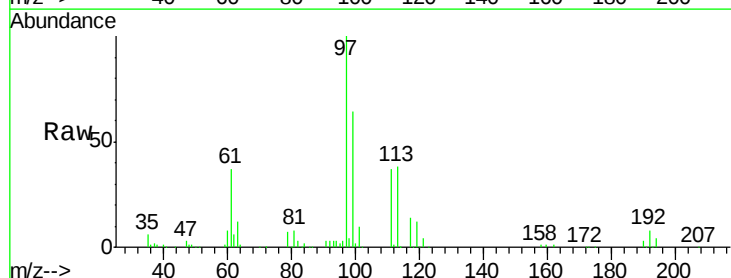
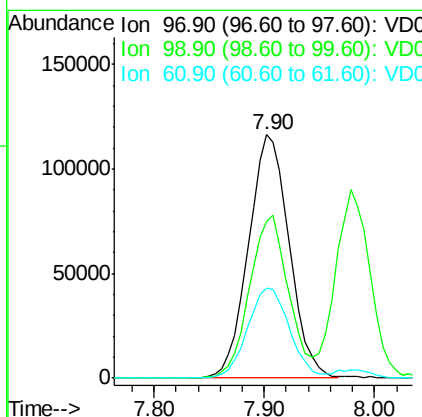
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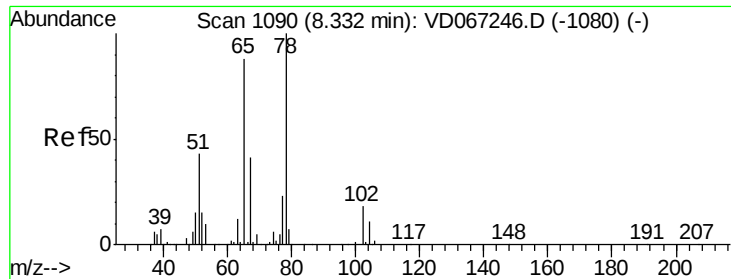
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#32
1,1,1-Trichloroethane
Concen: 50.509 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.2	75.4
61	38.1	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 44.297 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 153001

Ion Ratio Lower Upper

65 100

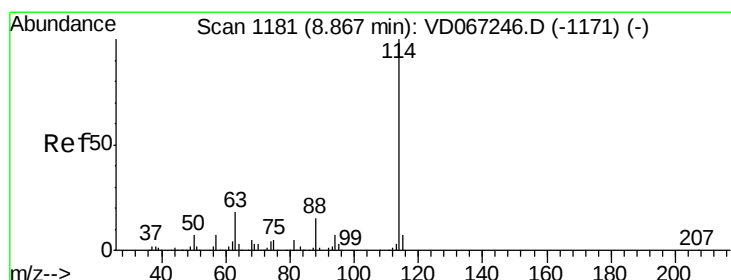
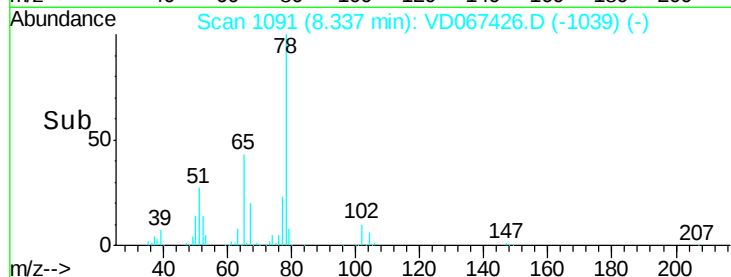
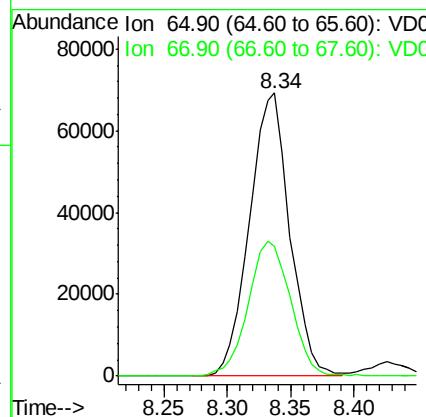
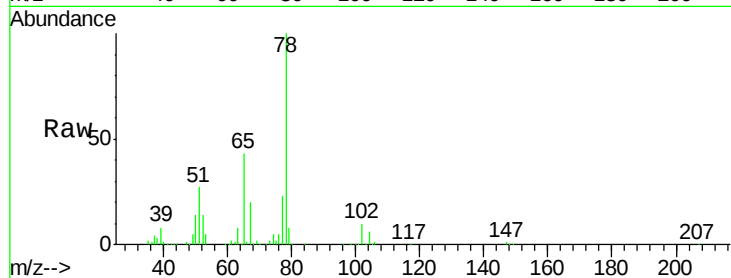
67 49.9 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

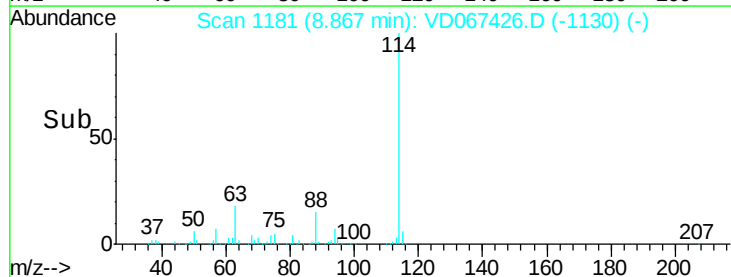
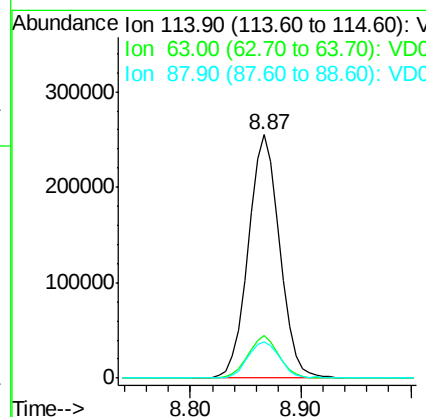
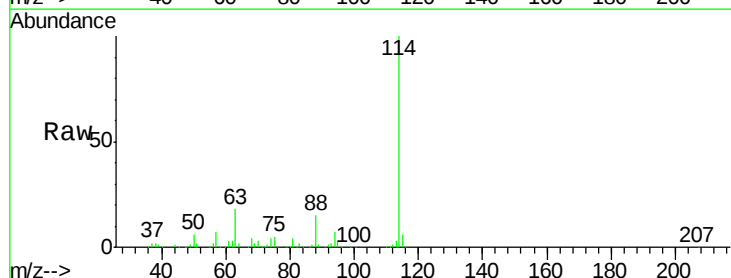
Tgt Ion: 114 Resp: 507935

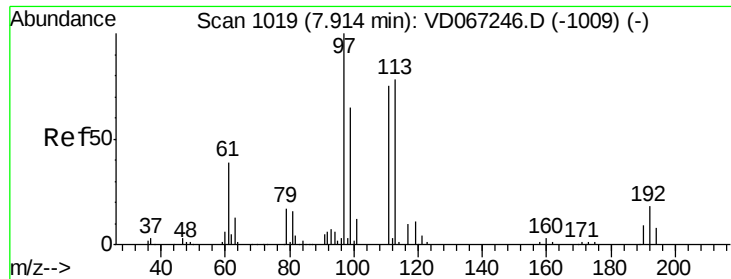
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

88 15.0 0.0 30.6





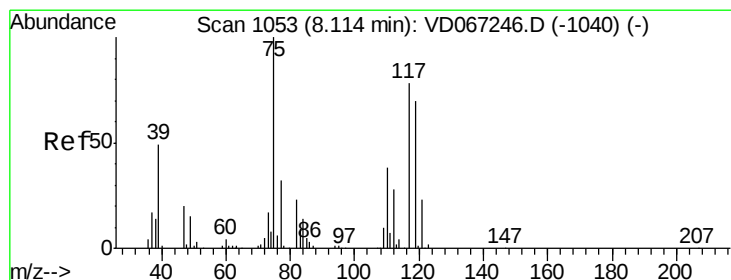
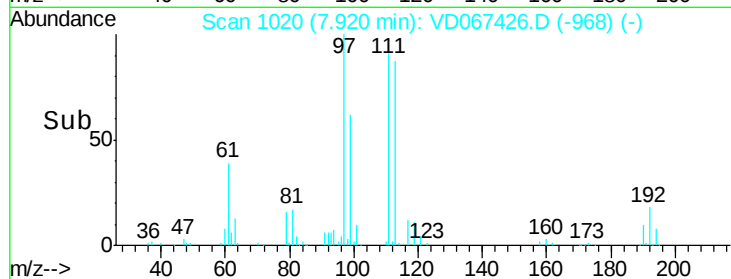
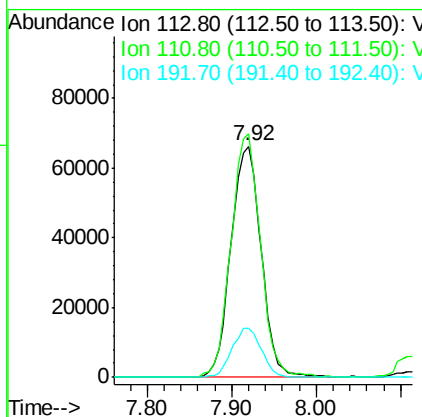
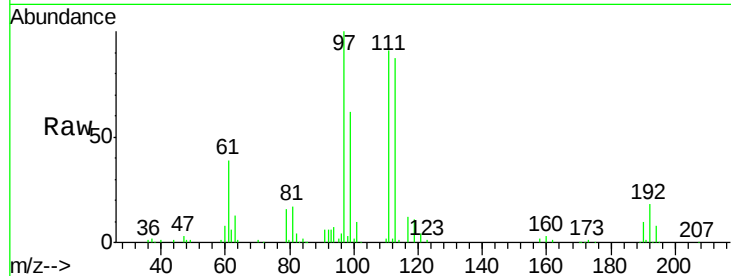
#35
 Dibromofluoromethane
 Concen: 48.315 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067426.D
 Acq: 28 Oct 2020 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.6	122.4
192	20.6	17.0	25.4

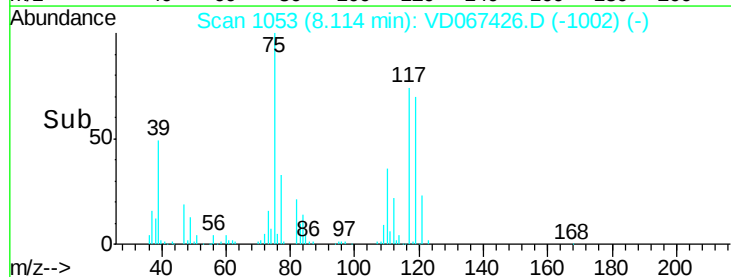
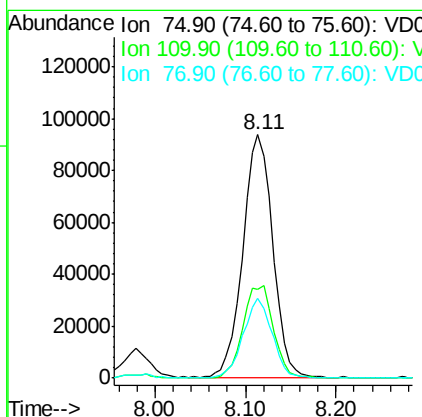
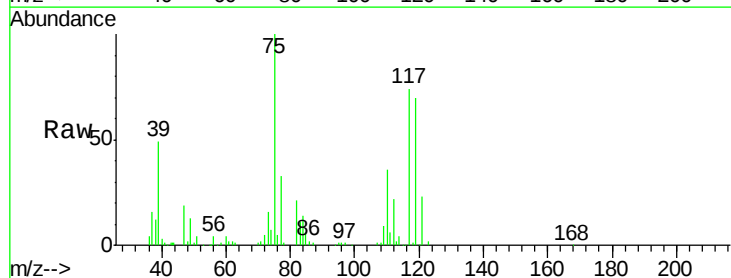
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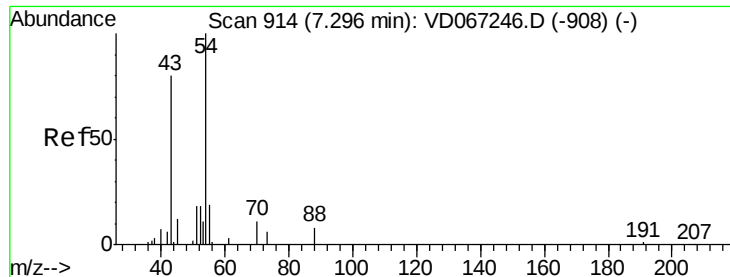
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#36
 1,1-Dichloropropene
 Concen: 50.262 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD067426.D
 Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.8	19.6	58.7
77	32.0	24.6	37.0





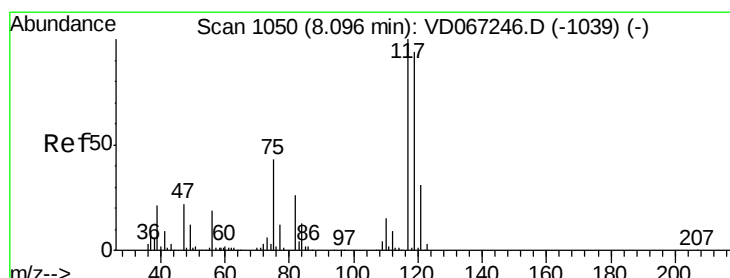
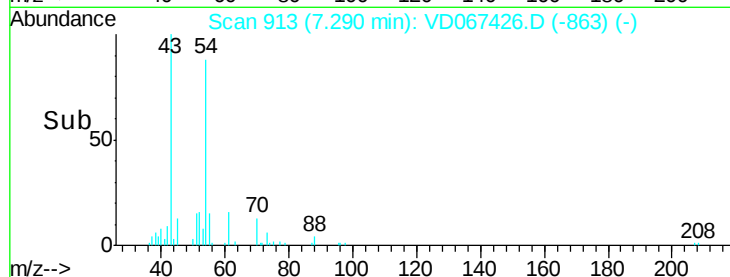
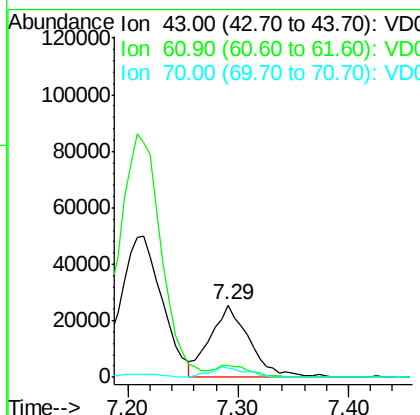
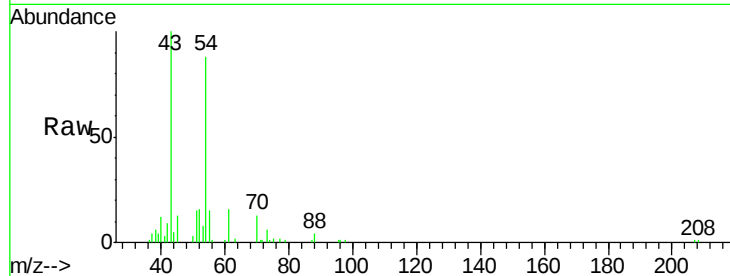
#37
Ethyl Acetate
Concen: 49.809 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	15.6	23.4#
70	13.5	10.4	15.6

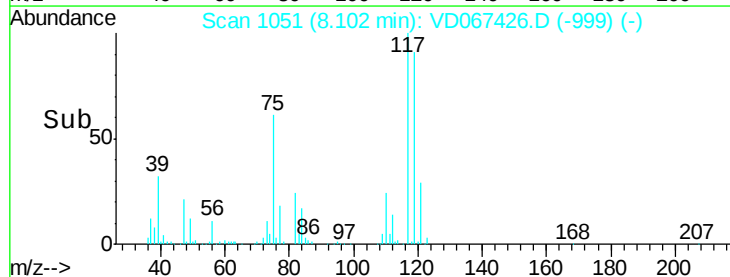
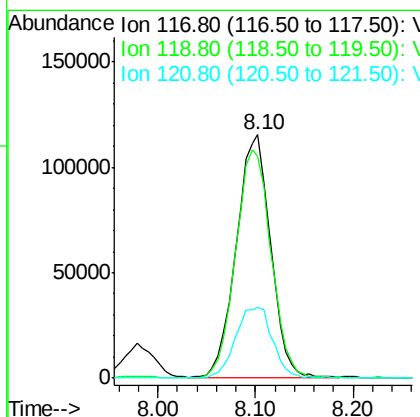
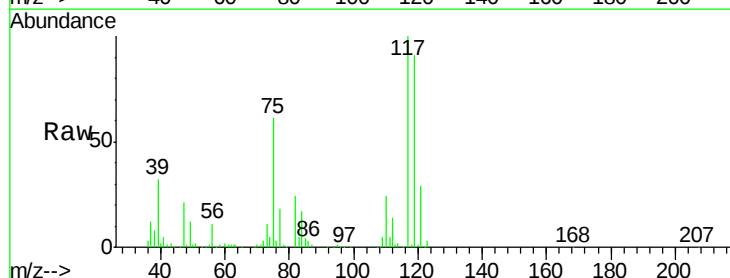
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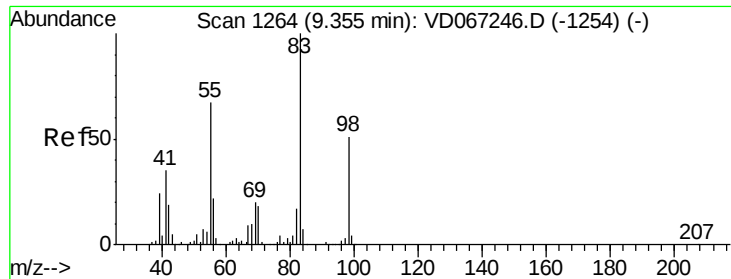
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#38
Carbon Tetrachloride
Concen: 51.089 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	75.0	112.4
121	28.9	24.9	37.3





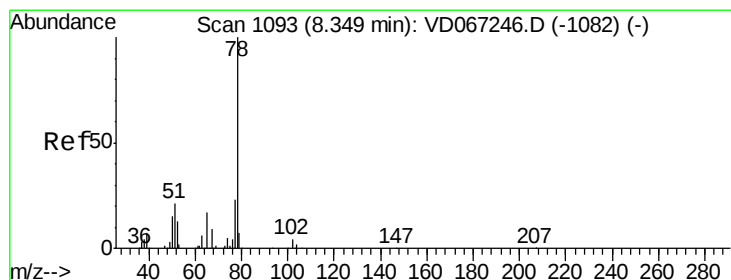
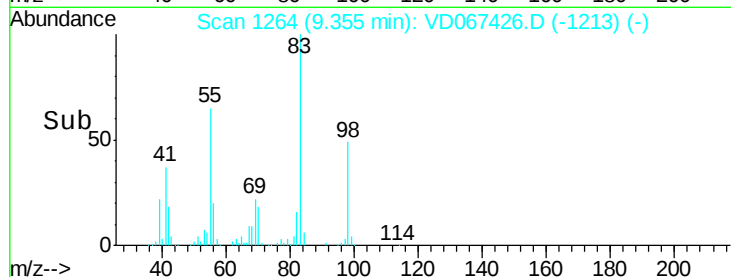
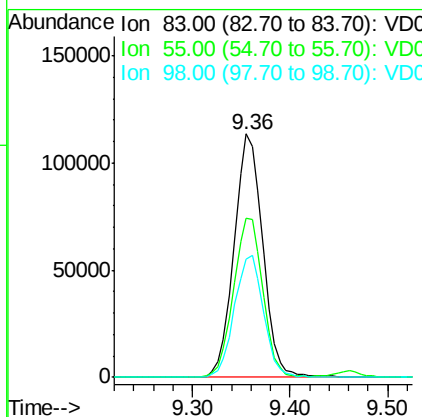
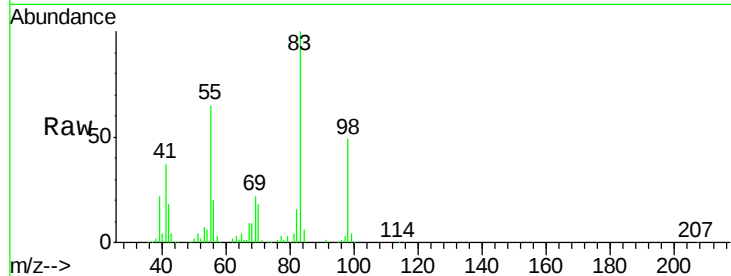
#39
Methvlcvclohexane
Concen: 51.476 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.3	53.3	79.9
98	48.8	41.0	61.4

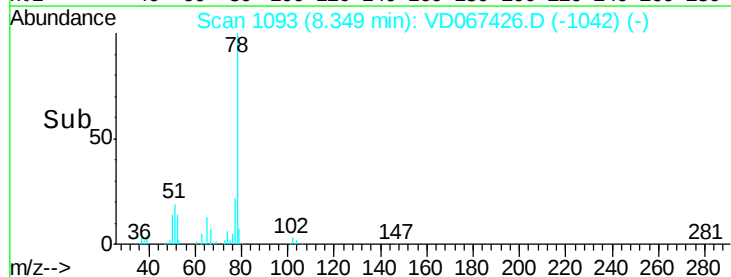
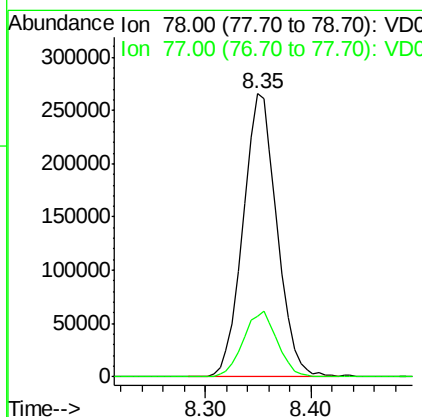
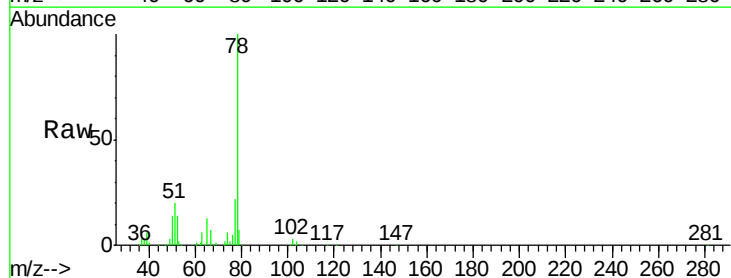
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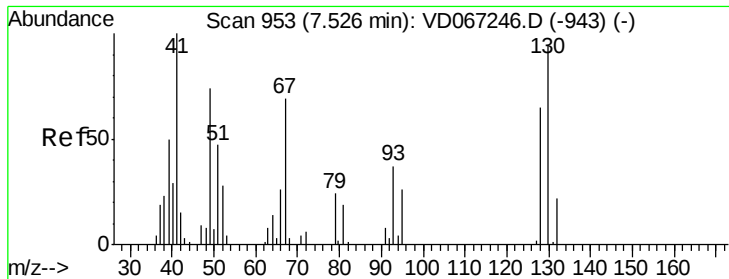
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#40
Benzene
Concen: 50.169 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.6	18.3	27.5





#41

Methacrylonitrile

Concen: 54.625 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 37389

Ion Ratio Lower Upper

41 100

39 0.0 60.0 90.0#

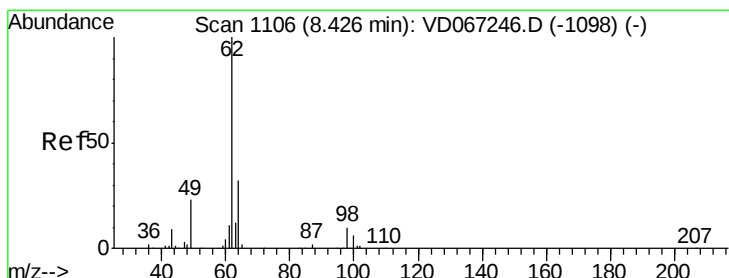
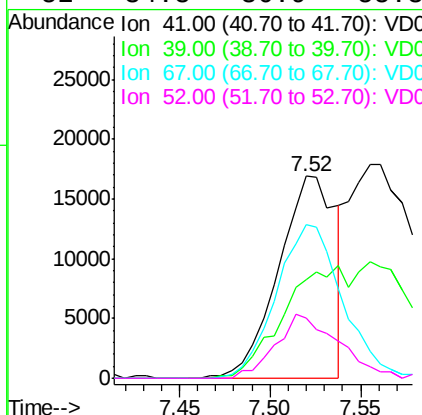
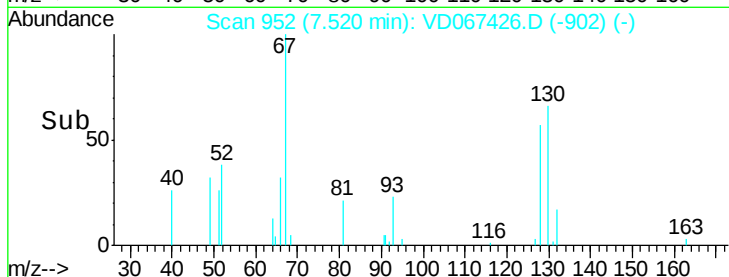
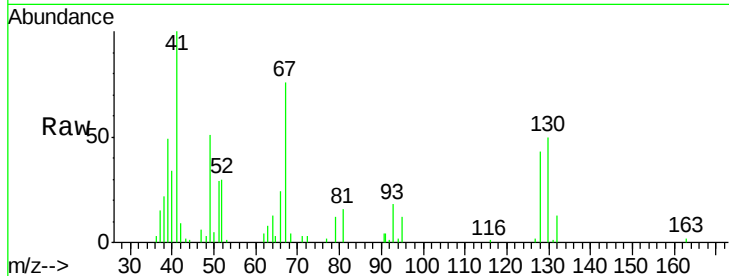
67 87.7 88.9 133.3#

52 34.8 36.9 55.3#

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#42

1,2-Dichloroethane

Concen: 48.875 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD067426.D

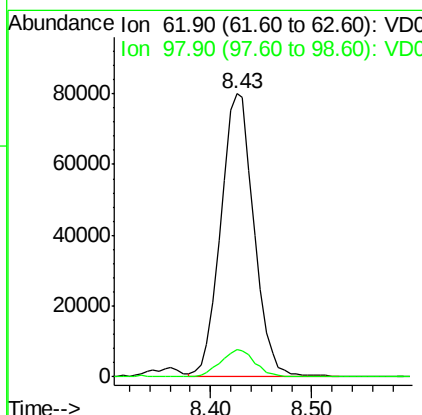
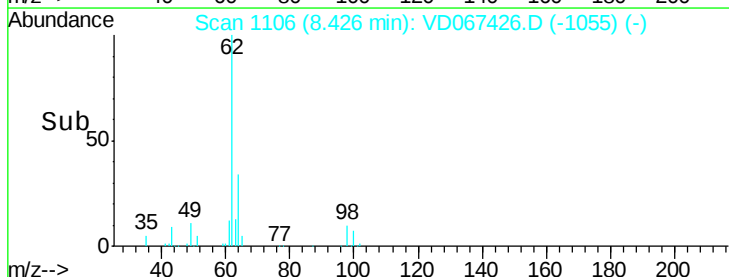
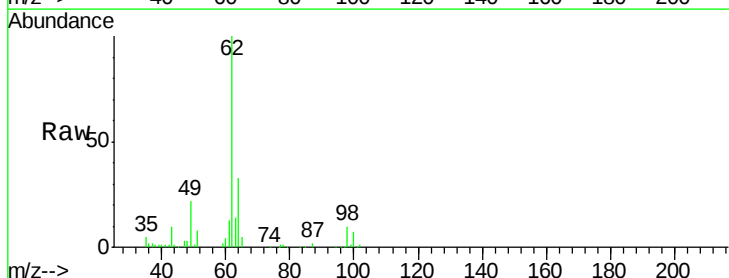
Acq: 28 Oct 2020 11:32

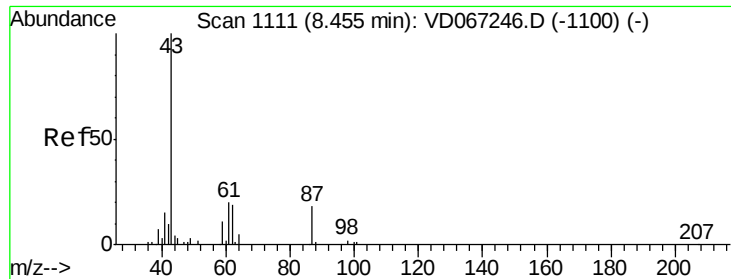
Tgt Ion: 62 Resp: 180646

Ion Ratio Lower Upper

62 100

98 9.9 0.0 19.4





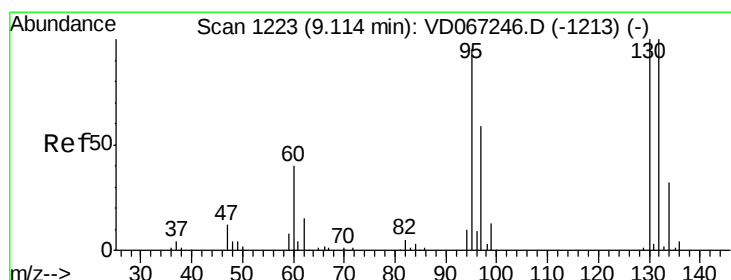
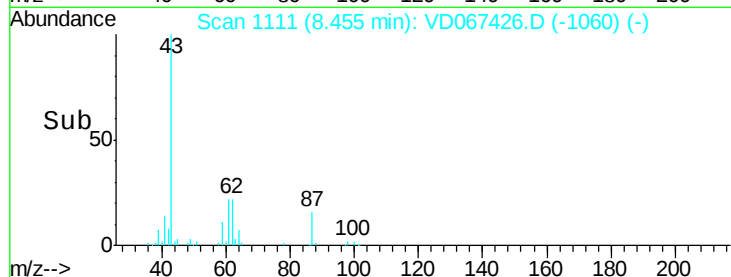
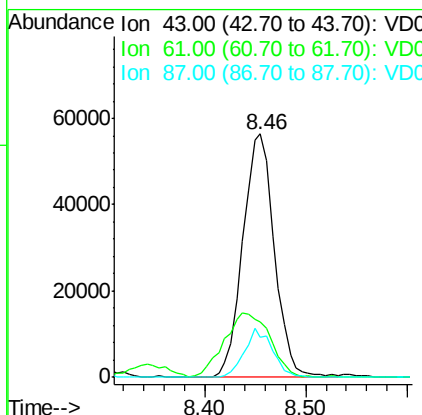
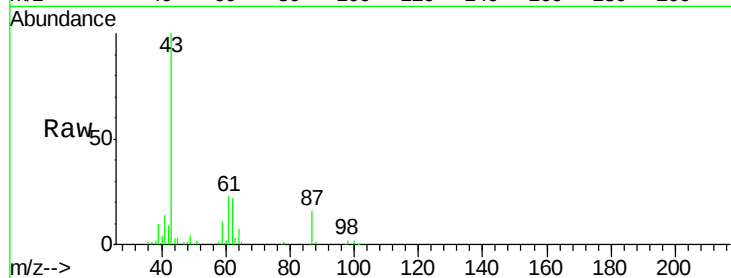
#43
Isopropyl Acetate
Concen: 48.503 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	38.2	29.5	44.3
87	18.0	14.2	21.4

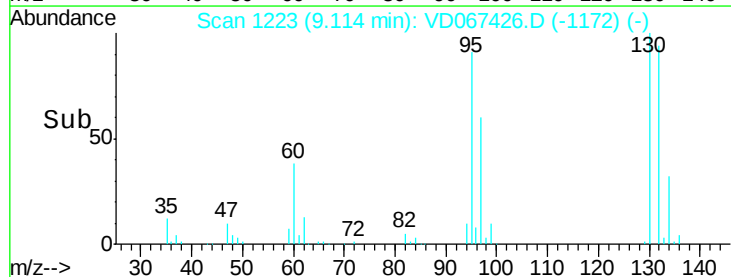
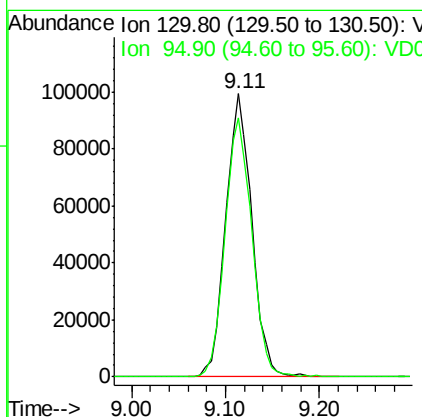
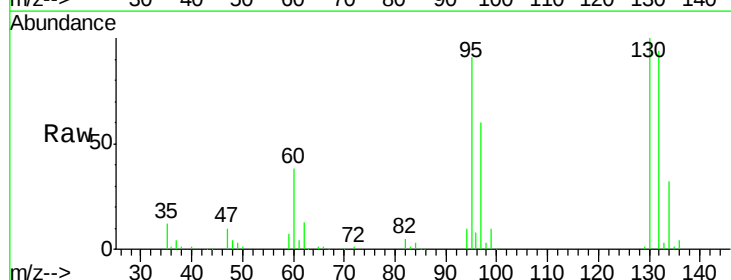
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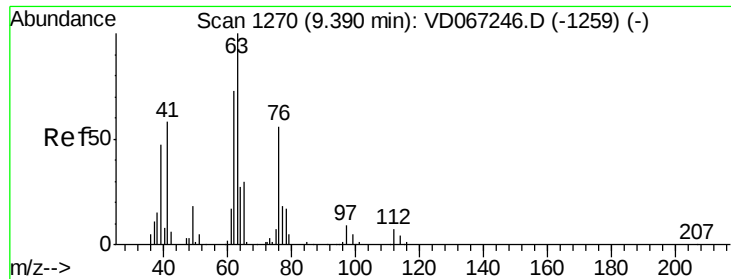
MMDadoda
10/29/2020 12:00:51 PM



#44
Trichloroethene
Concen: 50.830 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	190.6





#45

1,2-Dichloropropane

Concen: 50.113 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 137168

Ion Ratio Lower Upper

63 100

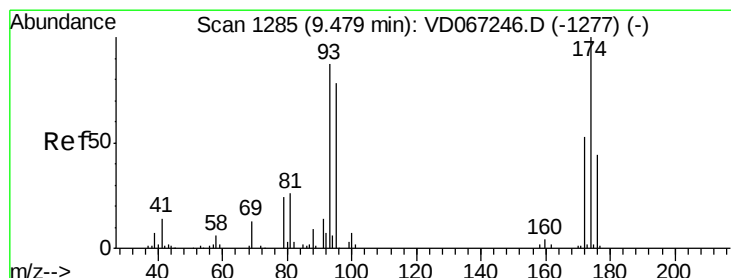
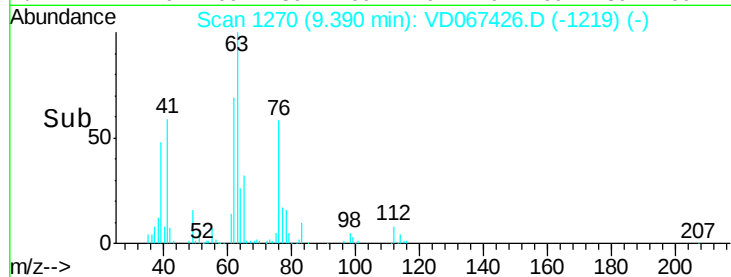
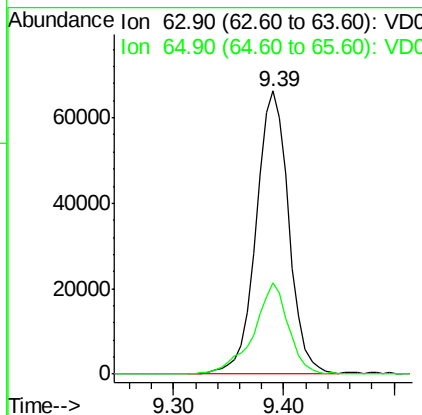
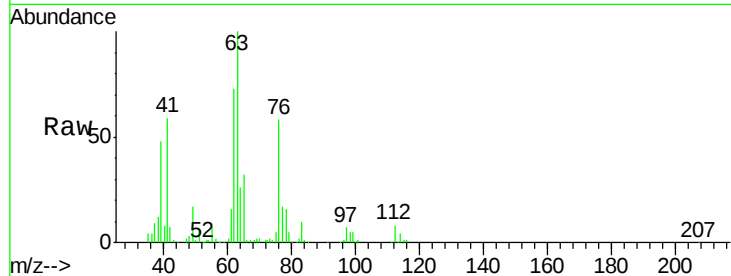
65 32.3 24.6 36.8

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10/29/2020 12:00:51 PM



#46

Dibromomethane

Concen: 47.420 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

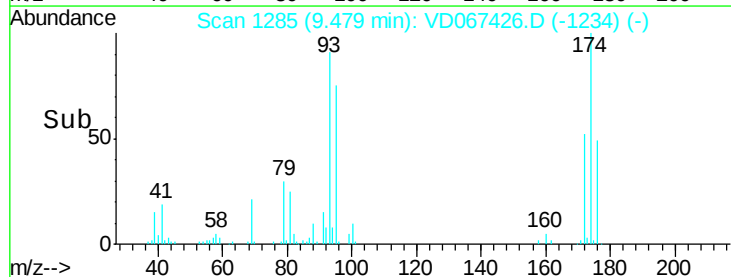
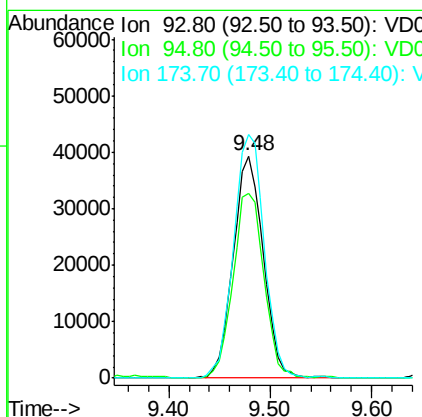
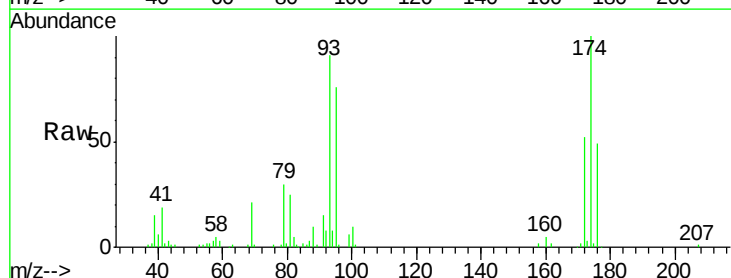
Tgt Ion: 93 Resp: 80871

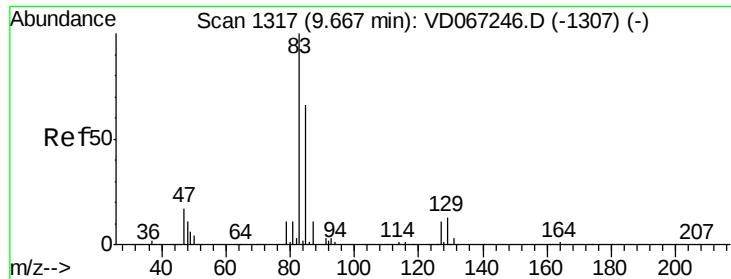
Ion Ratio Lower Upper

93 100

95 85.8 68.0 102.0

174 112.0 91.8 137.6





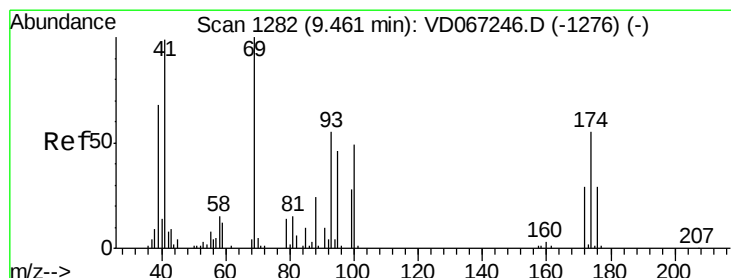
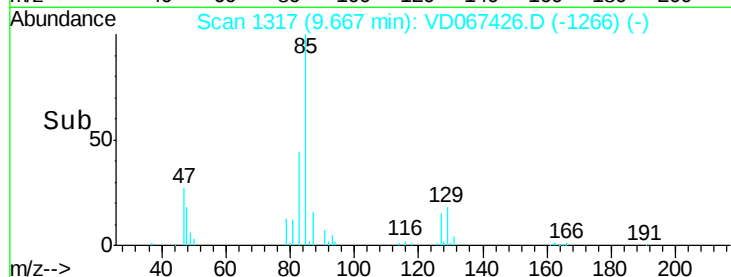
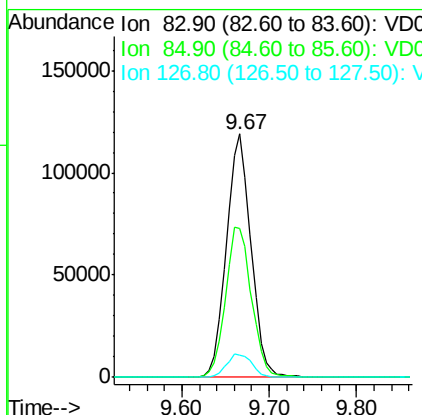
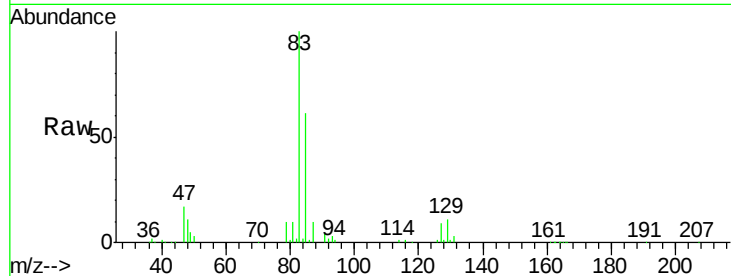
#47
Bromodichloromethane
Concen: 50.149 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	229140
Ion Ratio	100	Lower	Upper
83	100		
85	61.1	53.1	79.7
127	9.1	8.6	13.0

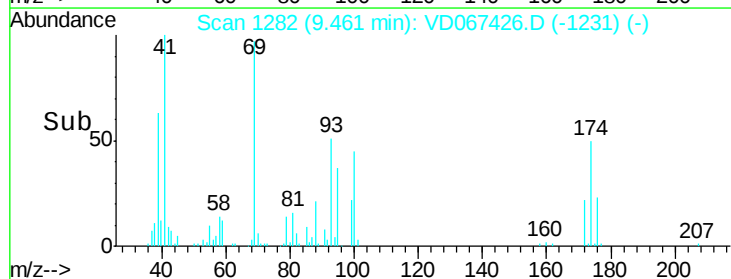
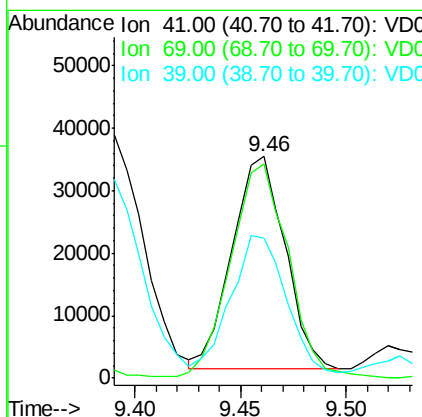
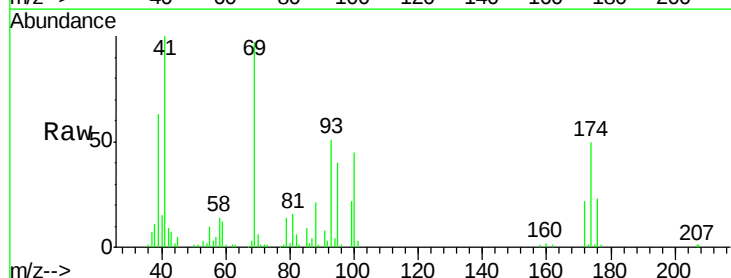
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#48
Methyl methacrylate
Concen: 48.622 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion	41	Resp	59387
Ion Ratio	100	Lower	Upper
41	100		
69	109.6	89.0	133.6
39	66.4	60.2	90.2





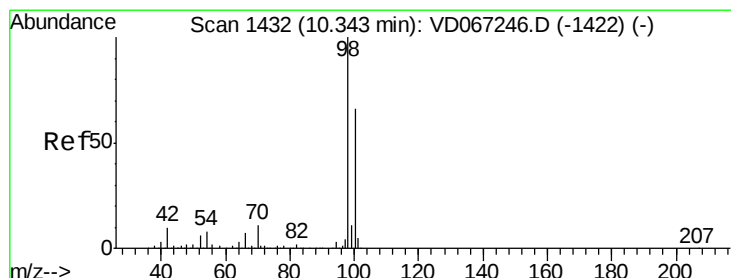
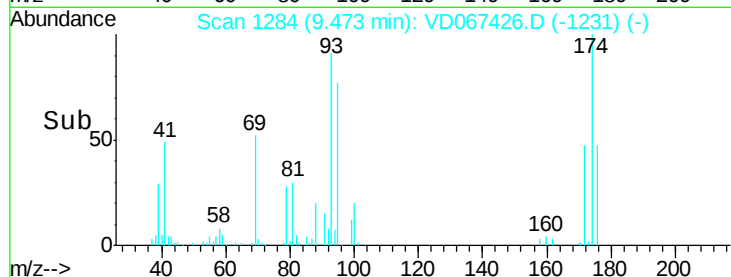
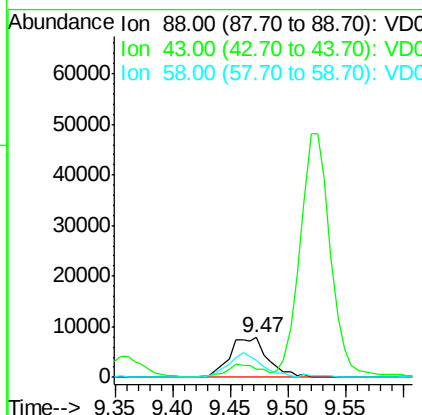
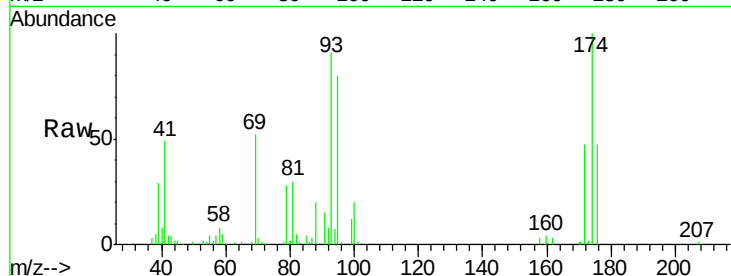
#49
1,4-Dioxane
Concen: 1099.751 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.7	23.9	35.9
58	54.3	51.0	76.6

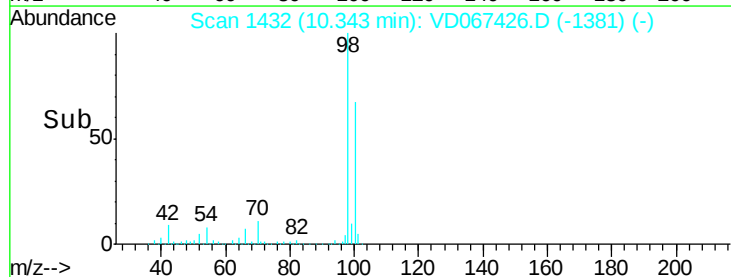
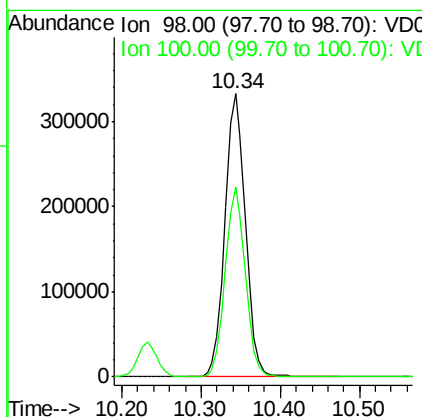
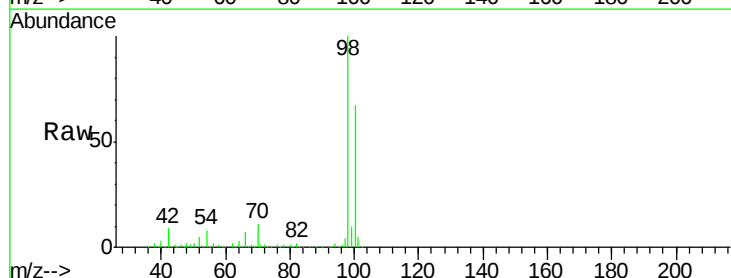
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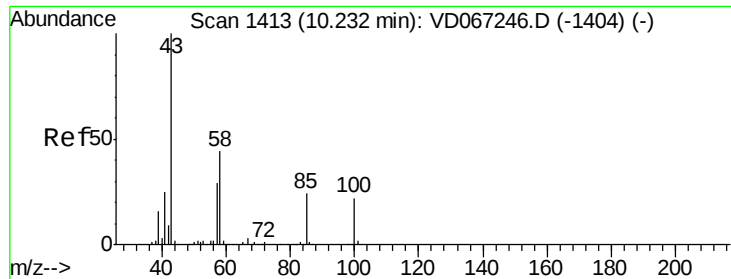
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#50
Toluene-d8
Concen: 48.523 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 251.395 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 315142

Ion Ratio Lower Upper

43 100

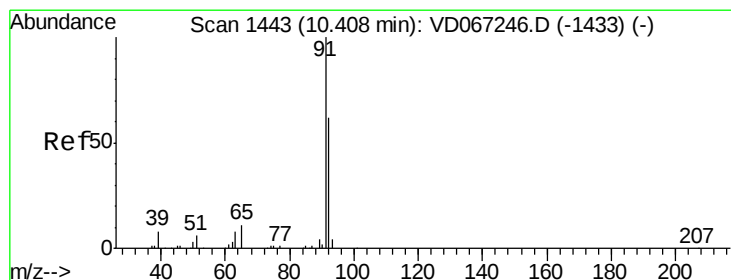
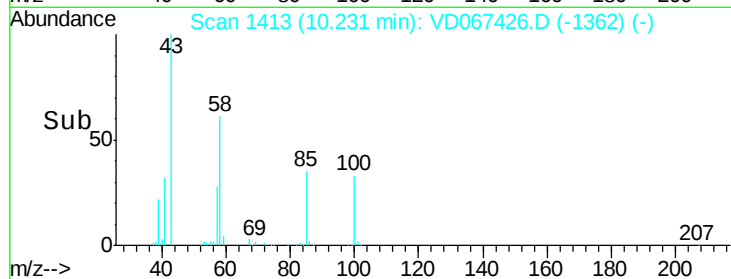
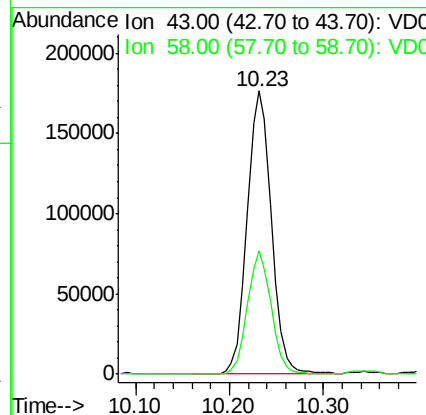
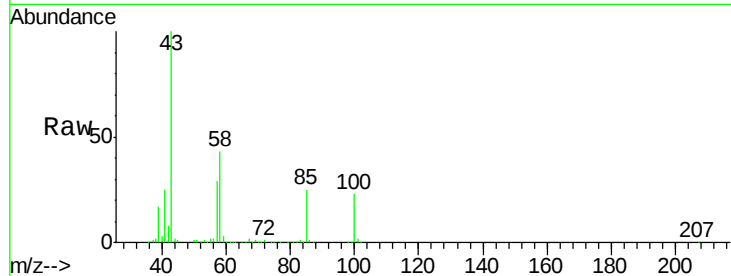
58 42.7 35.7 53.5

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#52

Toluene

Concen: 51.118 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067426.D

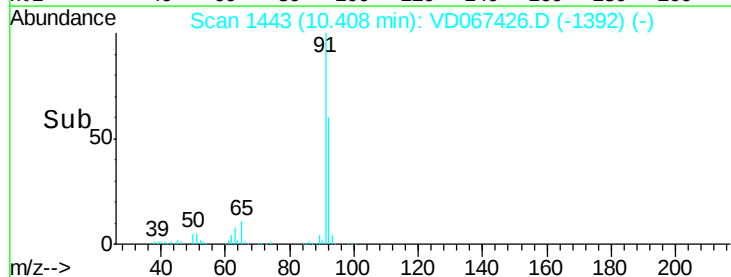
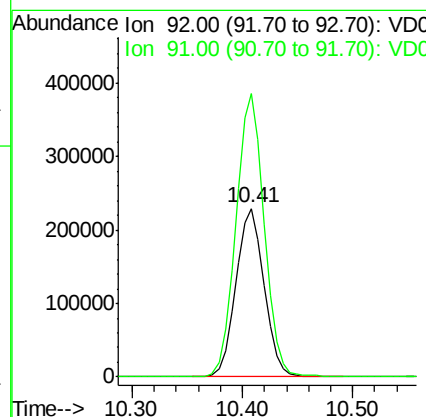
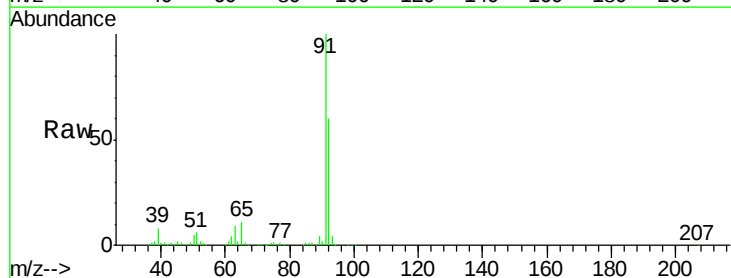
Acq: 28 Oct 2020 11:32

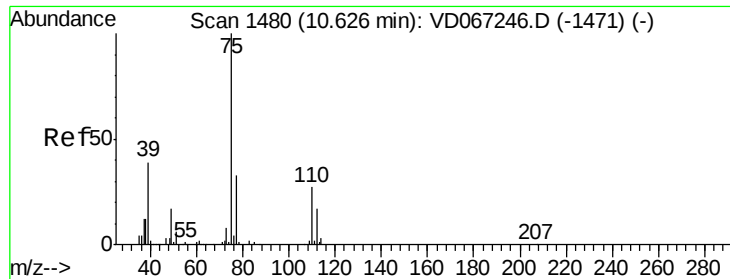
Tgt Ion: 92 Resp: 411203

Ion Ratio Lower Upper

92 100

91 168.5 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 49.993 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 200661

Ion Ratio Lower Upper

75 100

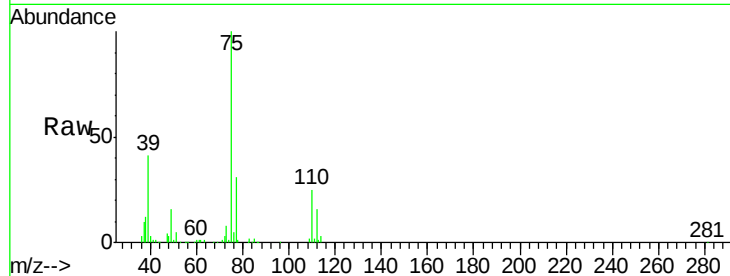
77 30.7 26.5 39.7

Manual Integrations

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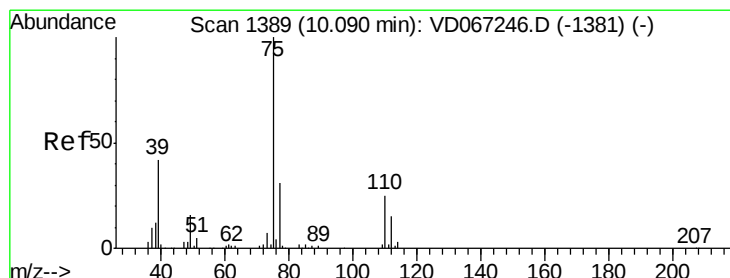
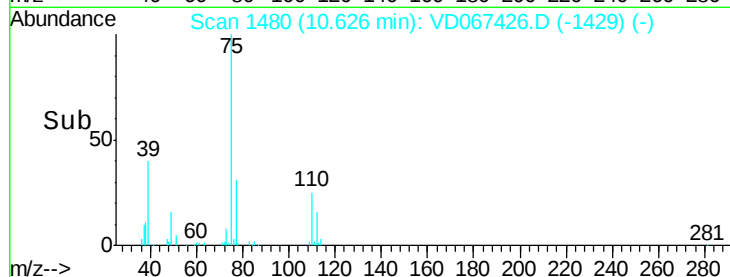
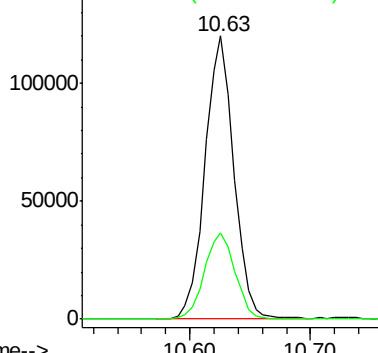
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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 50.452 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

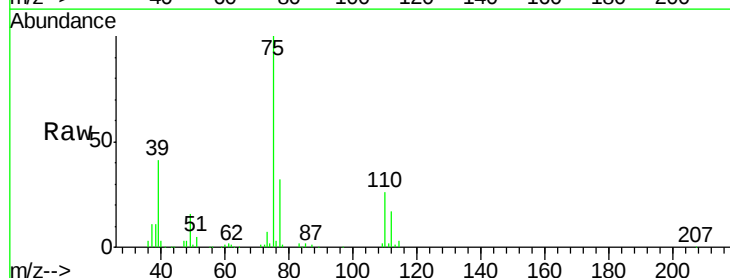
Tgt Ion: 75 Resp: 236991

Ion Ratio Lower Upper

75 100

77 32.0 24.5 36.7

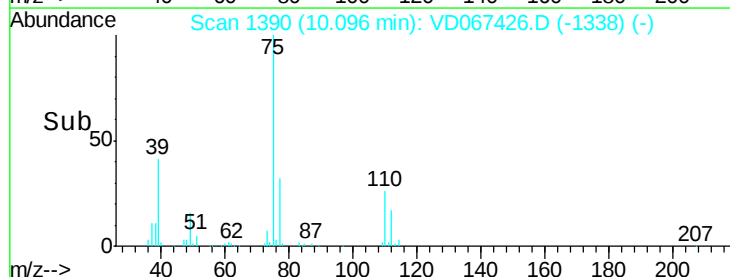
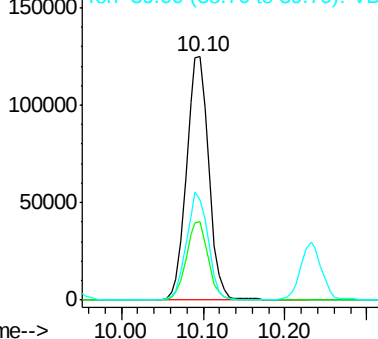
39 41.0 33.7 50.5

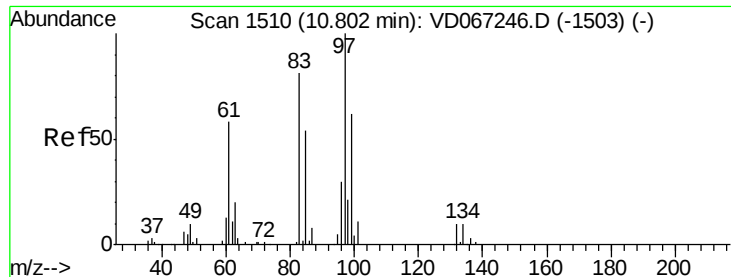


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 49.488 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

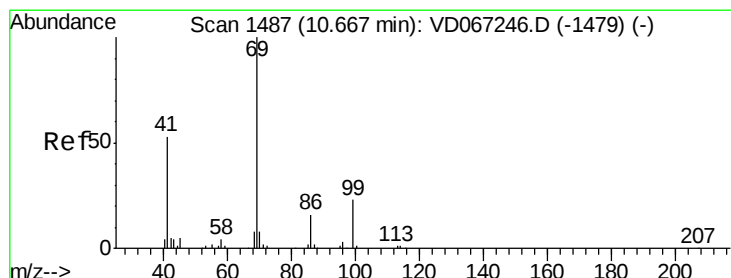
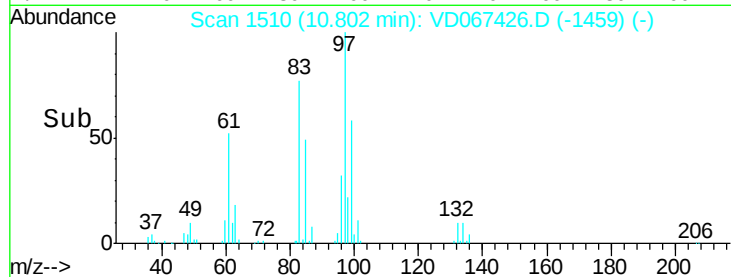
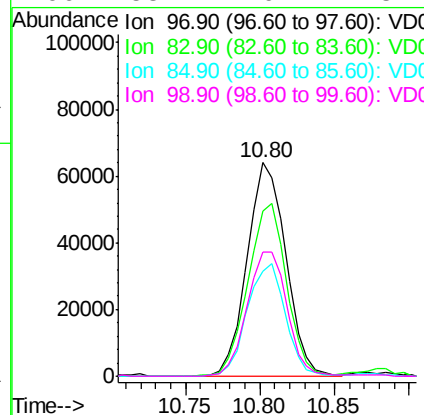
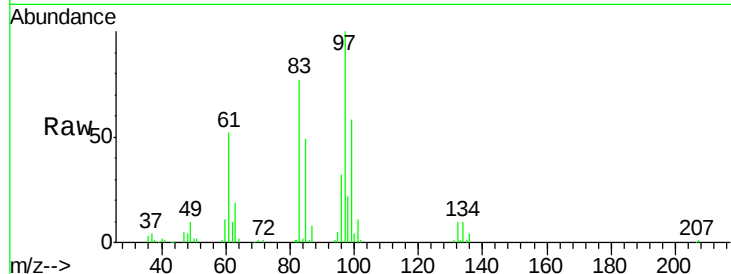
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	115087
Ion	Ratio	Lower	Upper
97	100		
83	77.4	64.9	97.3
85	49.4	43.3	64.9
99	58.4	49.1	73.7

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#56

Ethyl methacrylate

Concen: 51.636 ug/l

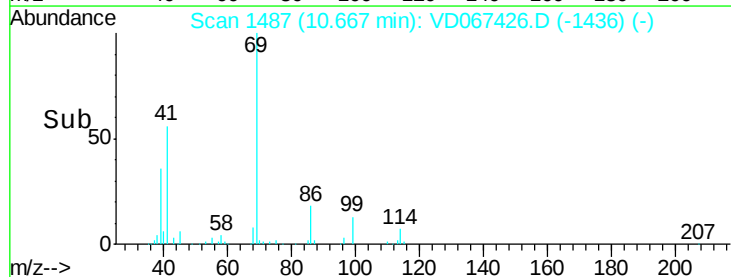
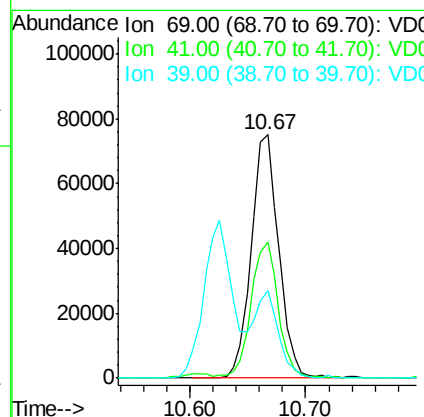
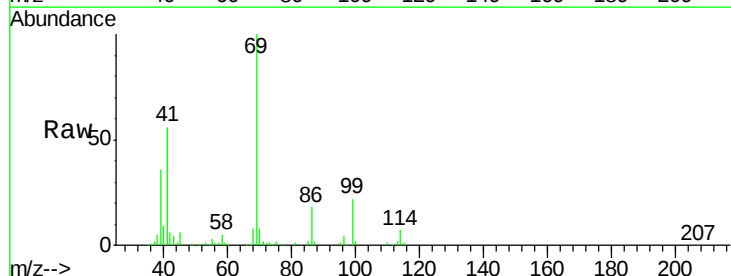
RT: 10.67 min Scan# 1487

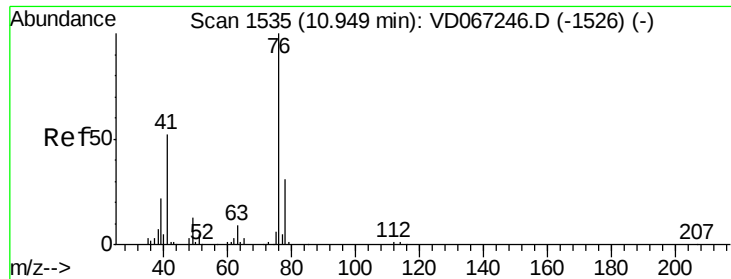
Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Tgt Ion:	69	Resp:	124537
Ion	Ratio	Lower	Upper
69	100		
41	55.9	44.7	67.1
39	30.3	26.2	39.2





#57

1,3-Dichloropropane

Concen: 49.758 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 184151

Ion Ratio Lower Upper

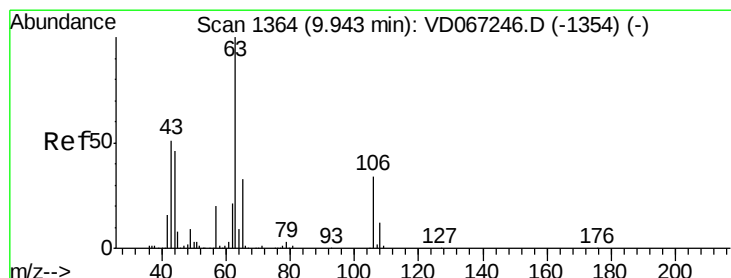
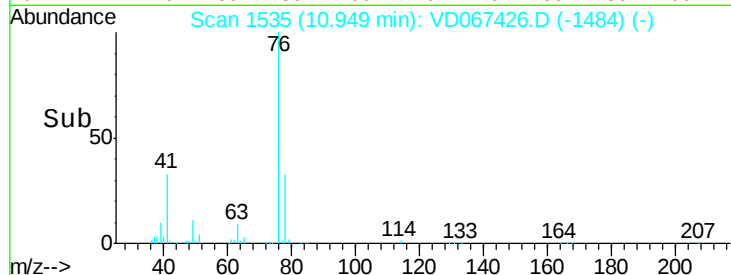
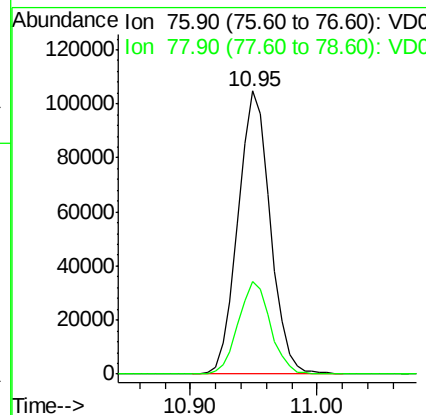
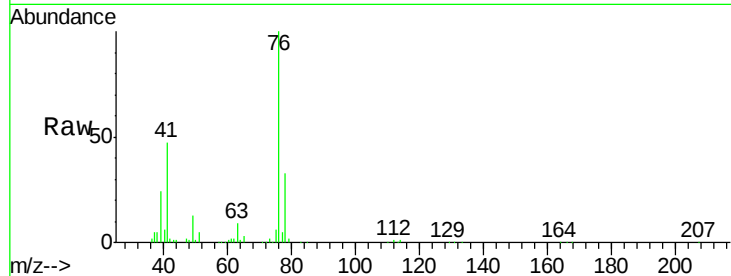
76 100

78 32.4 26.8 40.2

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#58

2-Chloroethyl Vinyl ether

Concen: 254.436 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD067426.D

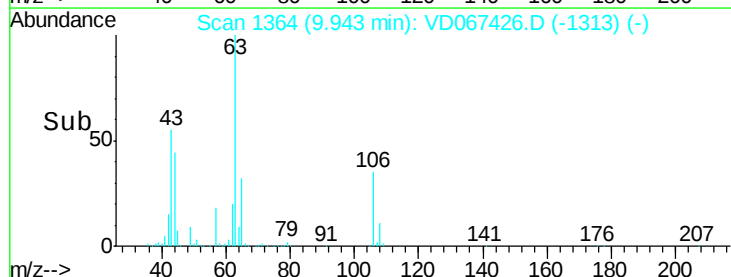
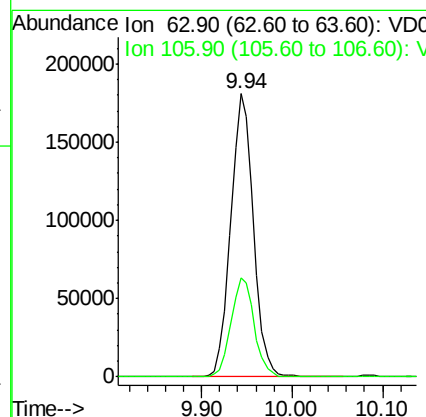
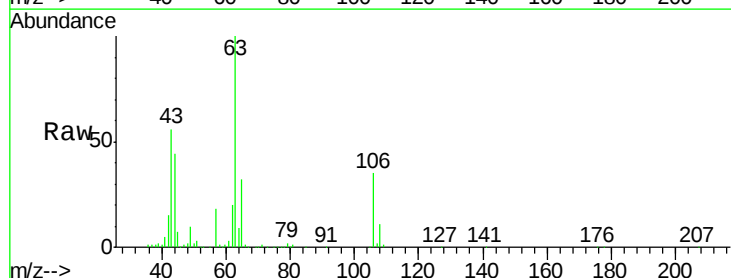
Acq: 28 Oct 2020 11:32

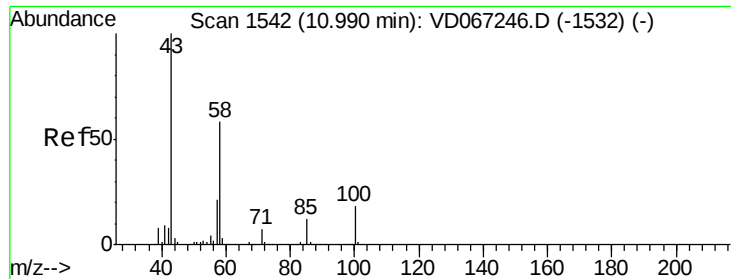
Tgt Ion: 63 Resp: 314808

Ion Ratio Lower Upper

63 100

106 35.6 27.8 41.6





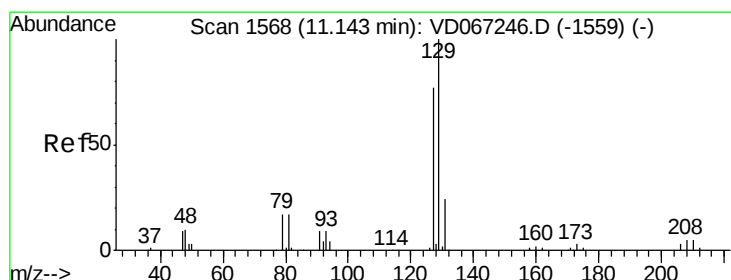
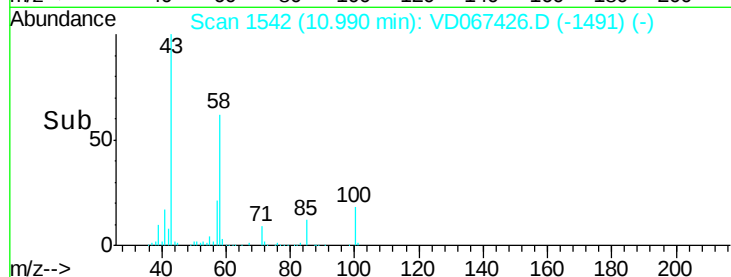
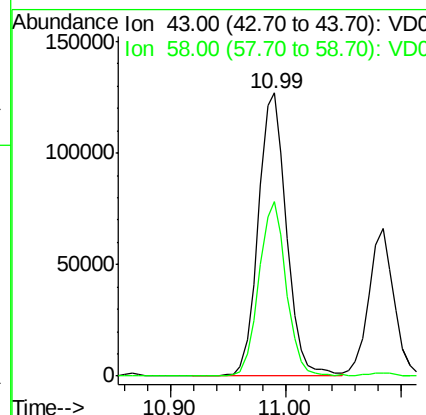
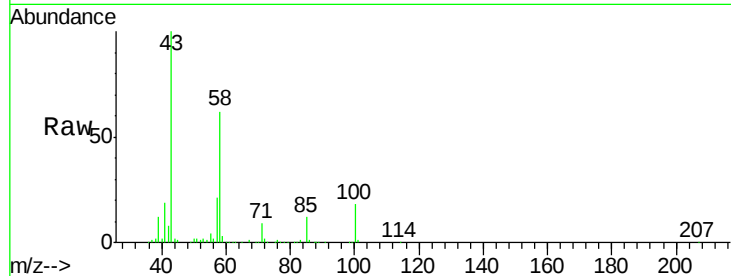
#59
2-Hexanone
Concen: 253.765 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 217376
Ion Ratio Lower Upper
43 100
58 59.4 29.3 87.9

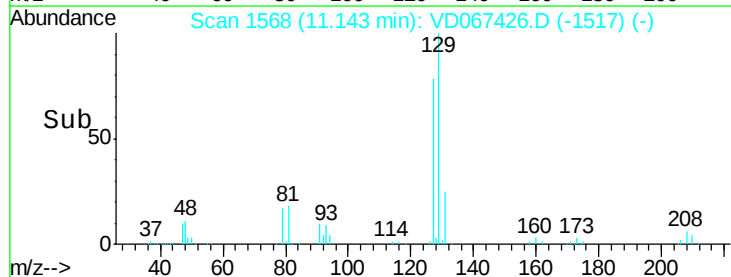
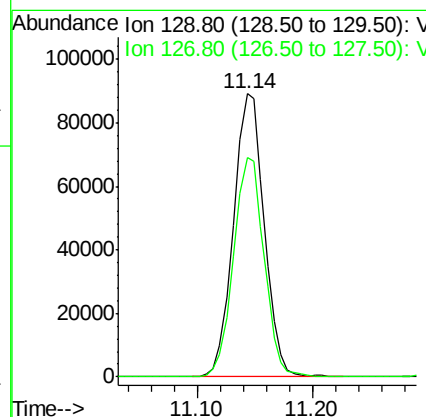
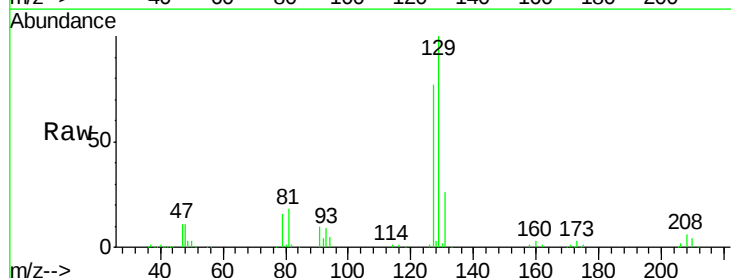
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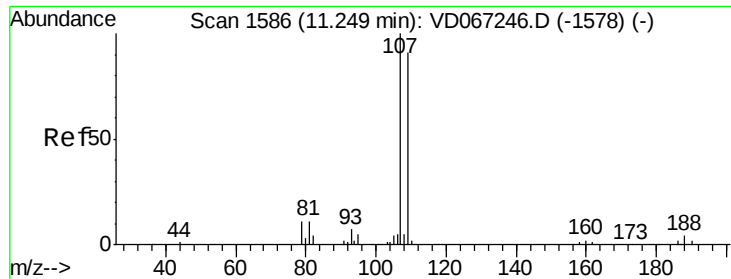
MMDadoda
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#60
Dibromochloromethane
Concen: 48.357 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion: 129 Resp: 164002
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8





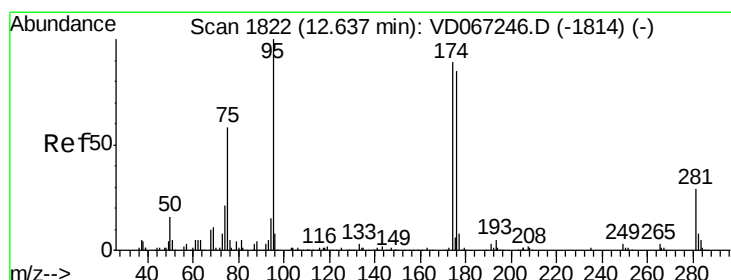
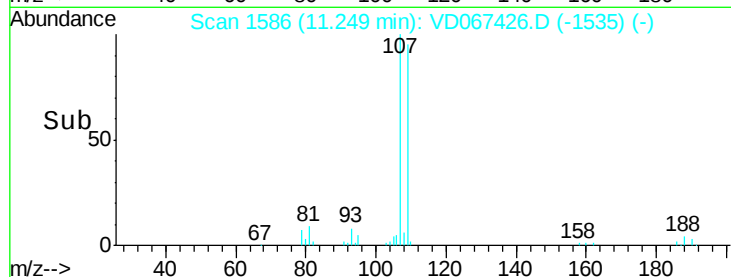
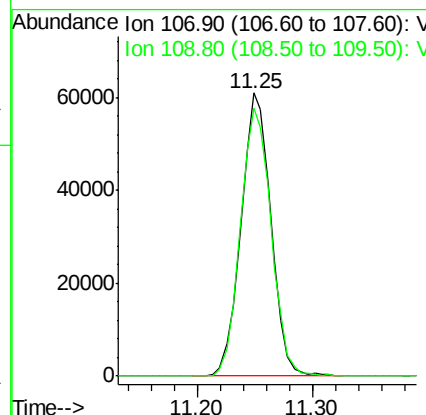
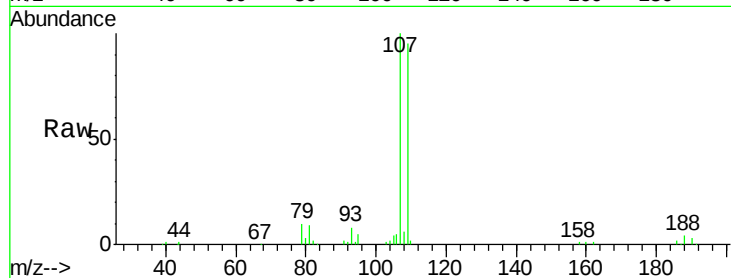
#61
 1,2-Dibromoethane
 Concen: 47.559 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067426.D
 Acq: 28 Oct 2020 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	109037		
109	97.4	74.6	112.0	

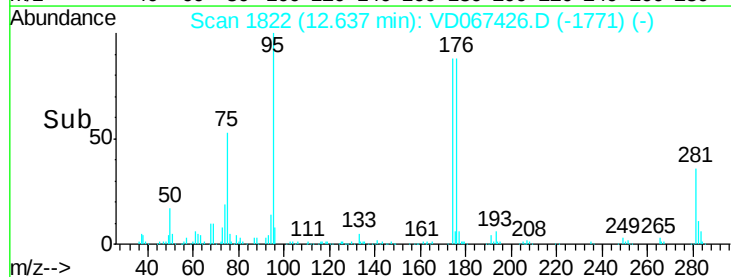
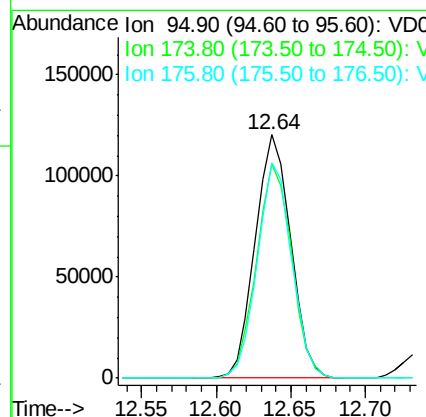
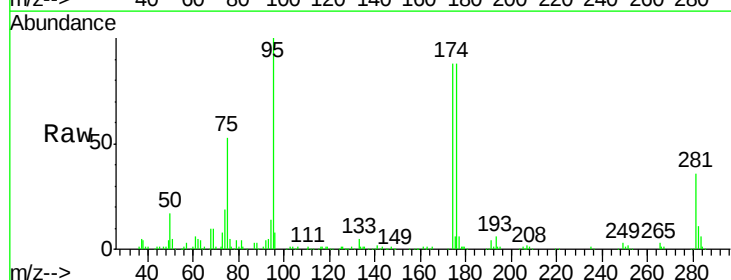
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#62
 4-Bromofluorobenzene
 Concen: 46.437 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067426.D
 Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	197529		
174	87.3	0.0	175.2	
176	85.8	0.0	168.6	





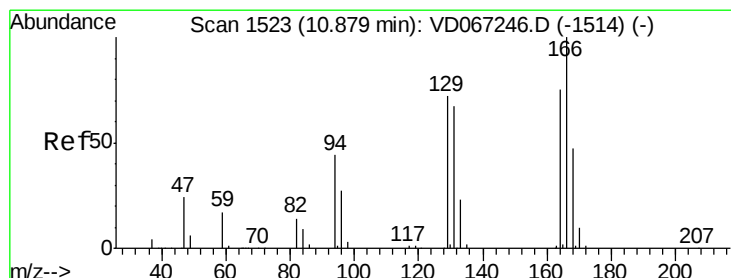
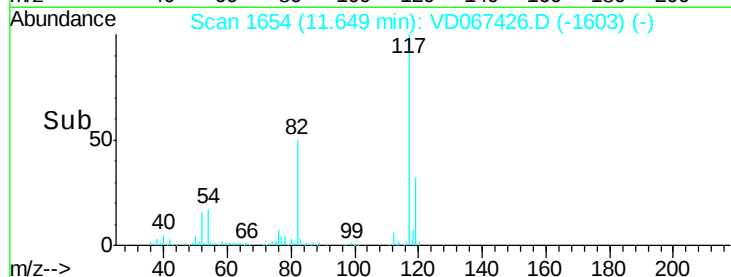
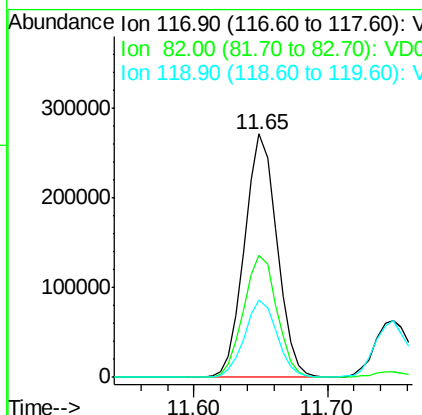
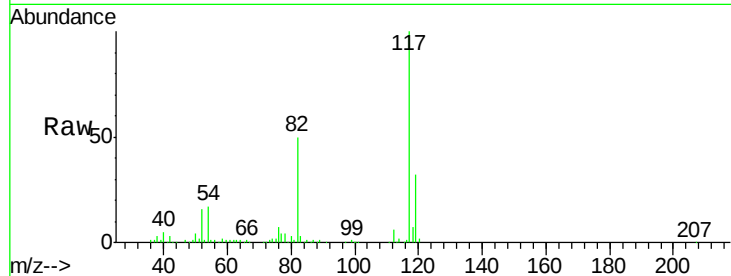
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.1	39.9	59.9
119	31.9	24.9	37.3

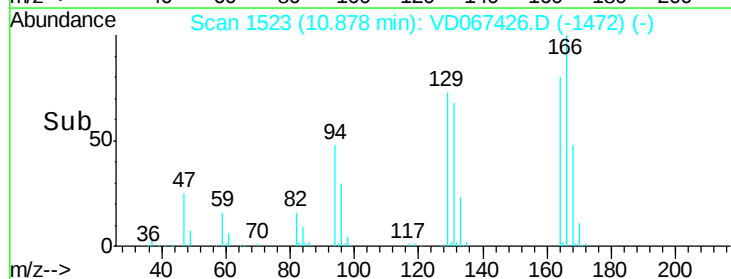
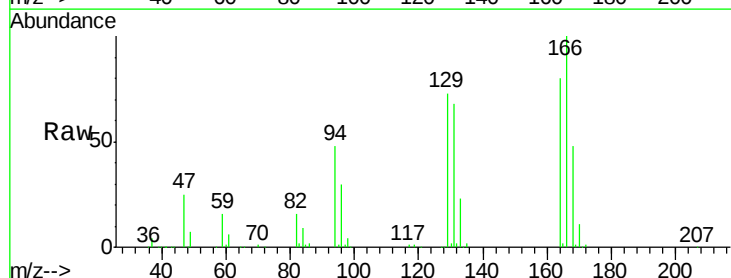
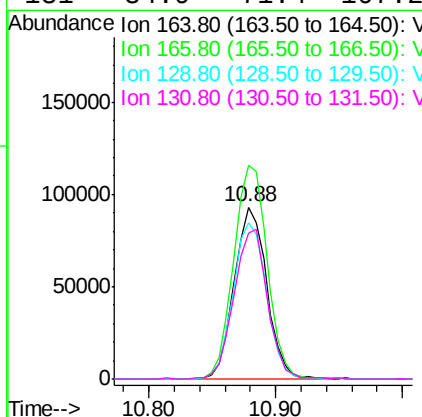
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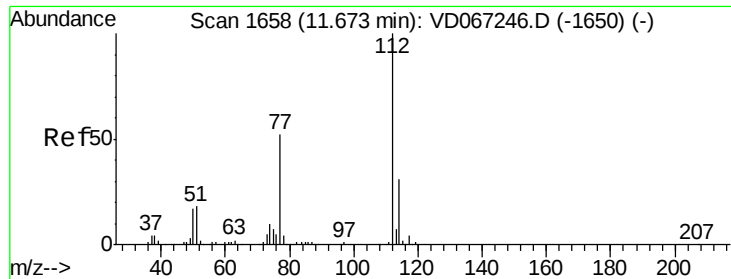
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#64
Tetrachloroethene
Concen: 49.818 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	107.3	160.9
129	91.0	77.3	115.9
131	84.9	71.4	107.2





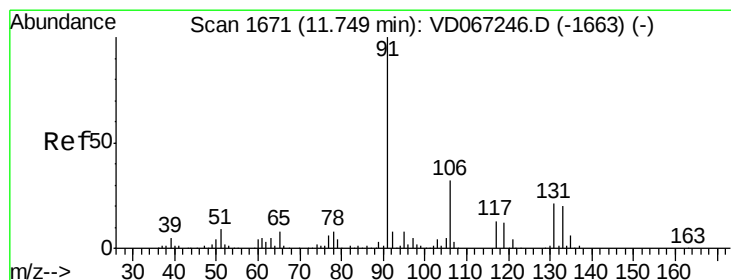
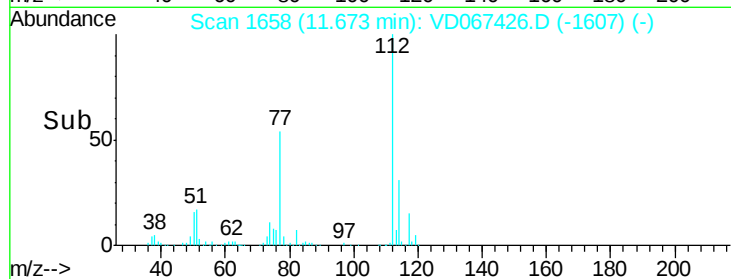
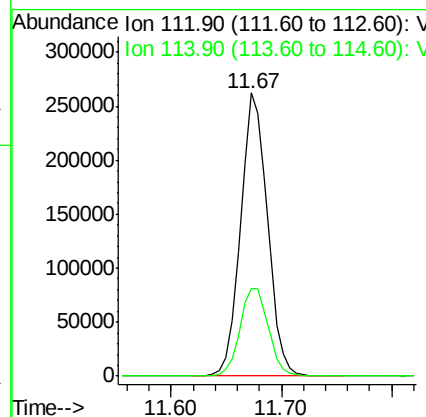
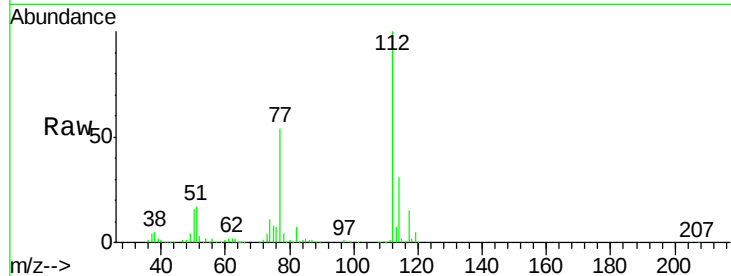
#65
Chlorobenzene
Concen: 51.222 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.0	37.4

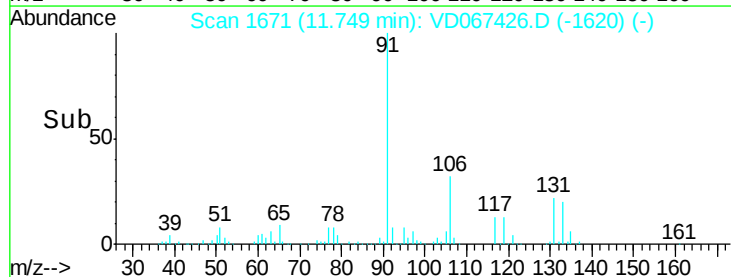
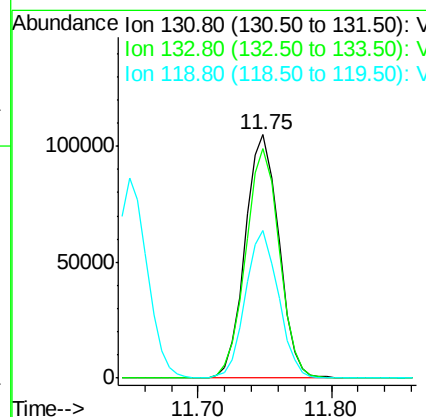
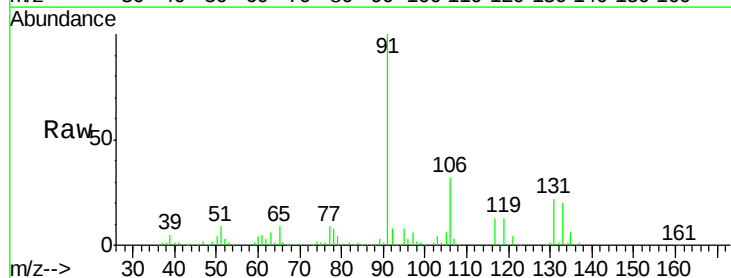
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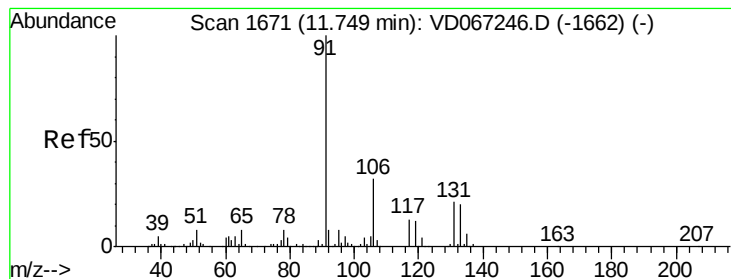
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.563 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	48.1	144.3
119	59.4	30.0	90.0





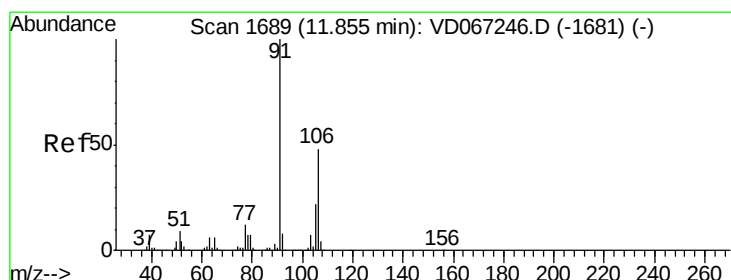
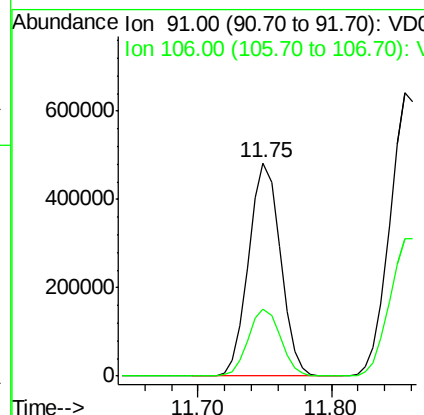
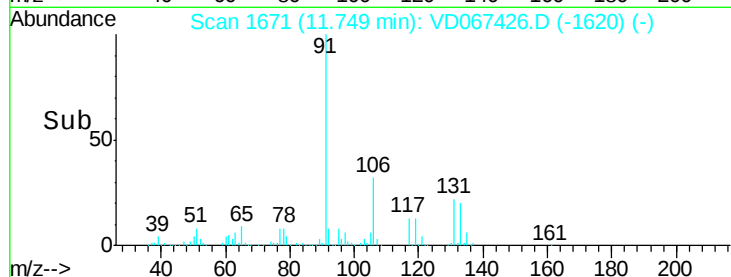
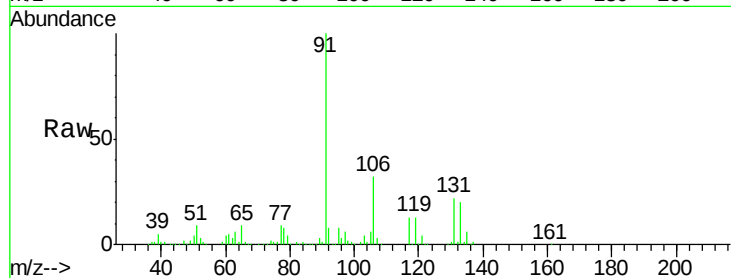
#67
Ethyl Benzene
Concen: 52.916 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 795546
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0

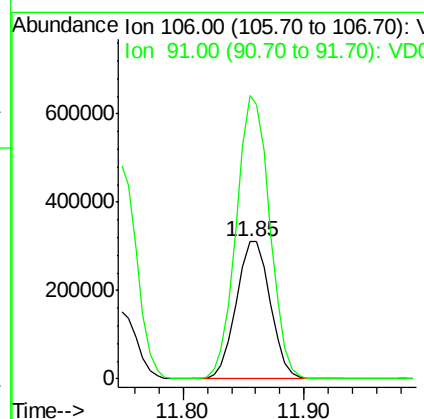
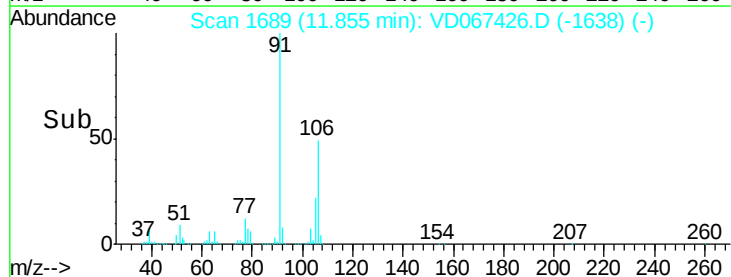
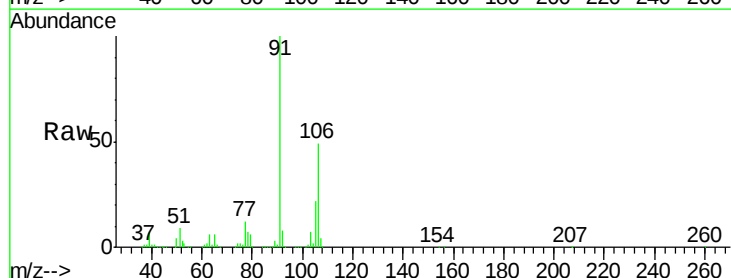
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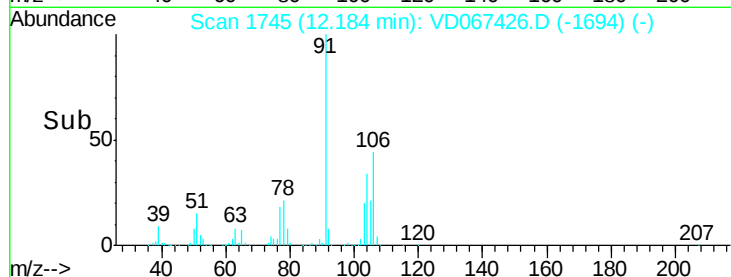
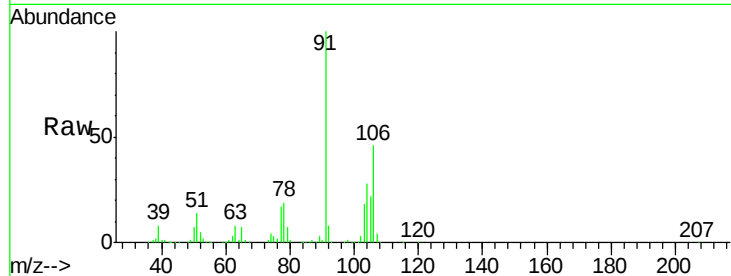
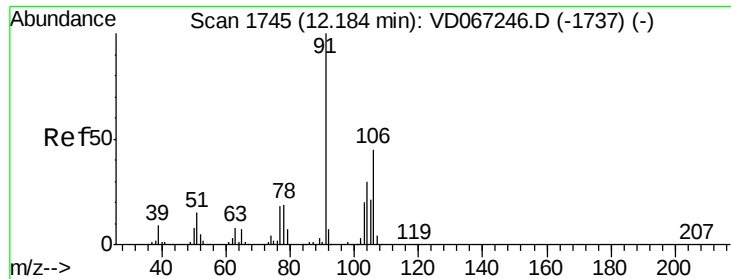
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#68
m/p-Xylenes
Concen: 105.849 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion: 106 Resp: 612807
Ion Ratio Lower Upper
106 100
91 202.0 163.8 245.8





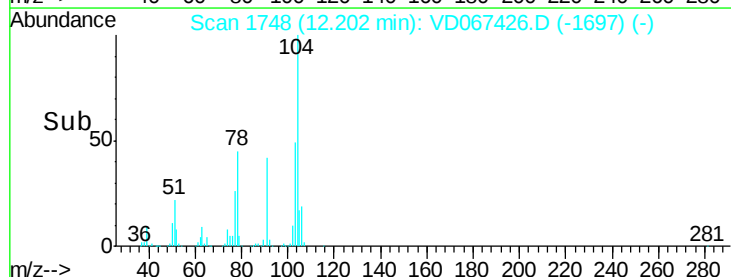
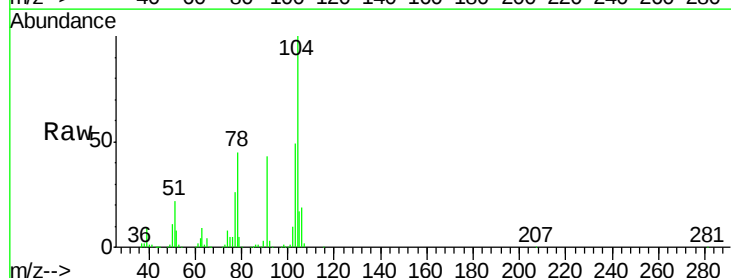
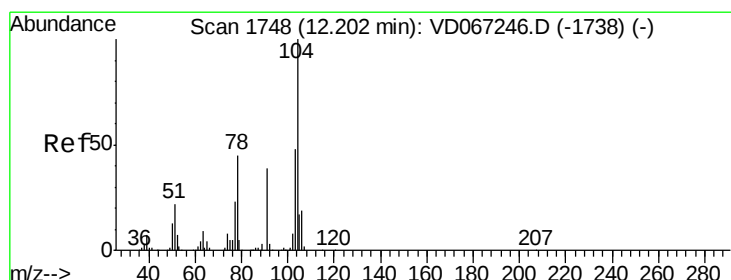
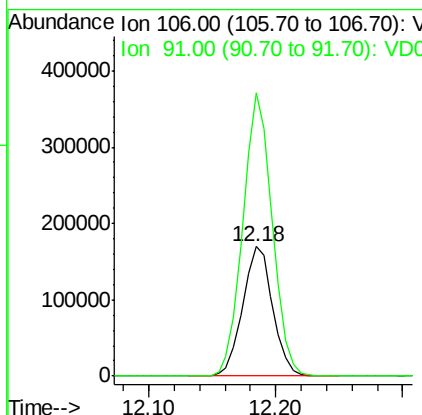
#69
o-Xylene
Concen: 52.029 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tot Ion:106 Resp: 278928
Ion Ratio Lower Upper
106 100
91 213.6 109.1 327.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

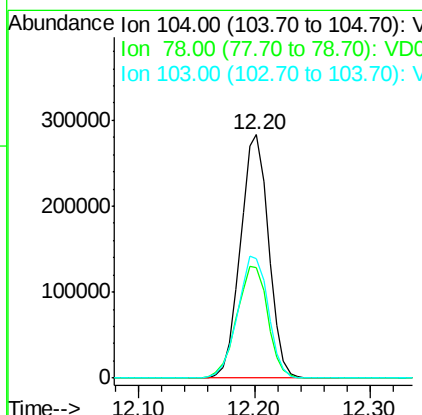
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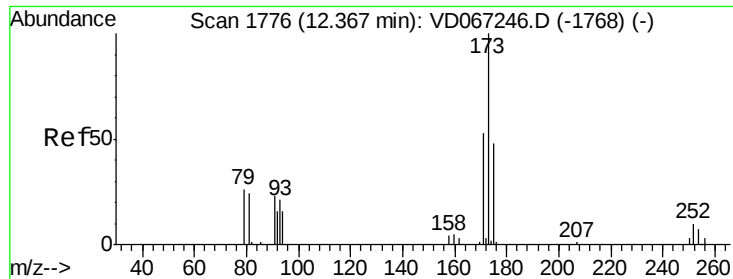
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#70
Styrene
Concen: 51.973 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion:104 Resp: 479644
Ion Ratio Lower Upper
104 100
78 50.3 39.8 59.6
103 54.3 42.6 64.0





#71

Bromoform

Concen: 49.862 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

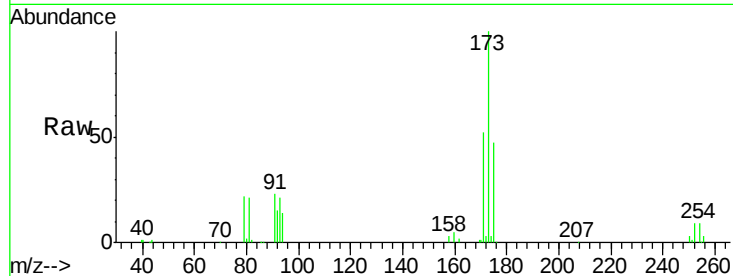
ClientSampleId :

VSTDCCC050

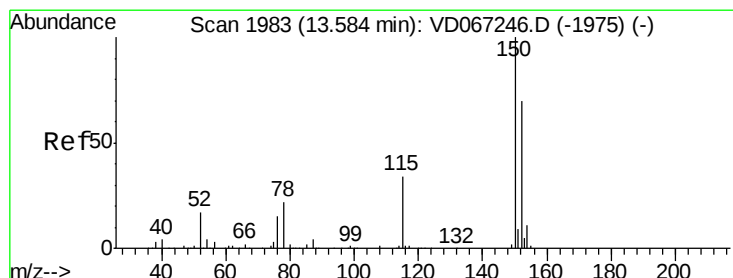
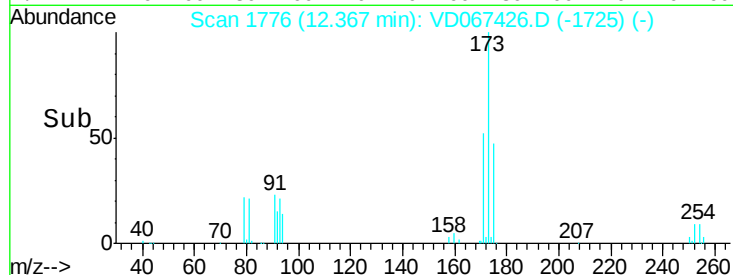
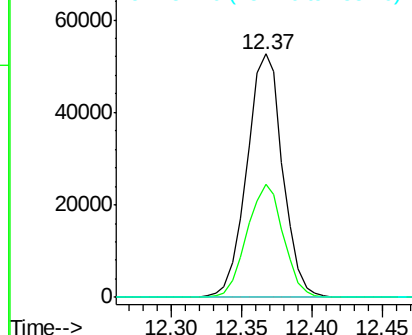
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.2	72.6
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

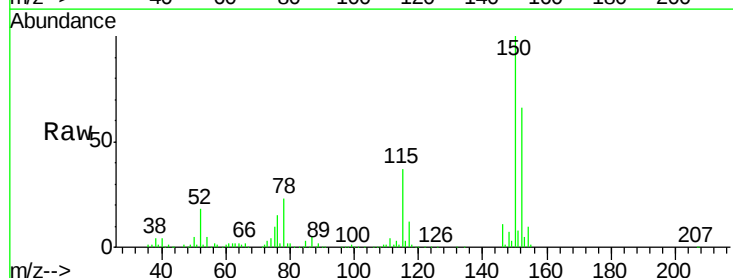
RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

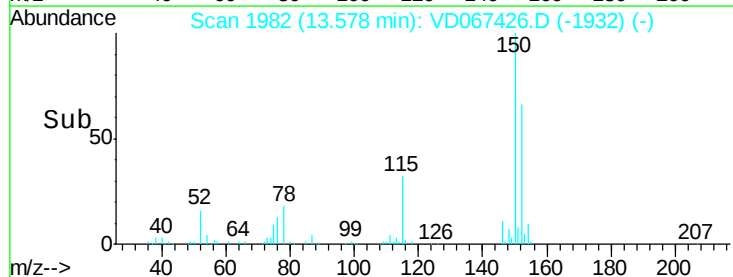
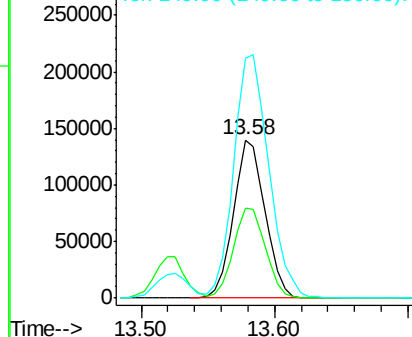
Lab File: VD067426.D

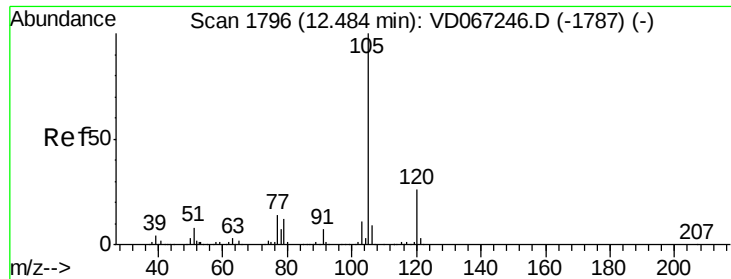
Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.3	87.9
150	171.1	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: 55.909 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 813182

Ion Ratio Lower Upper

105 100

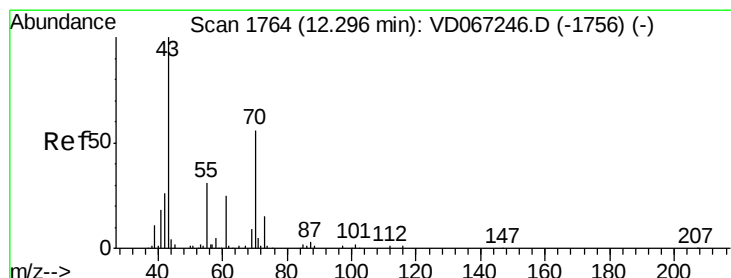
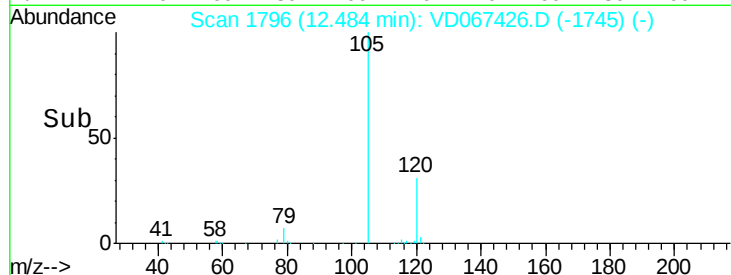
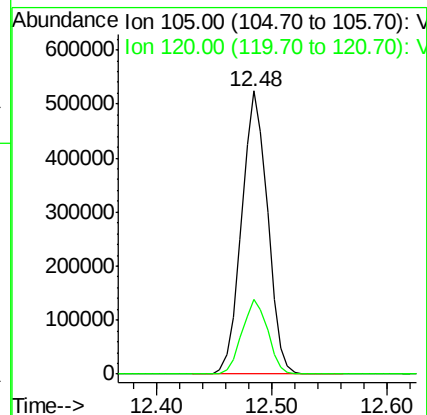
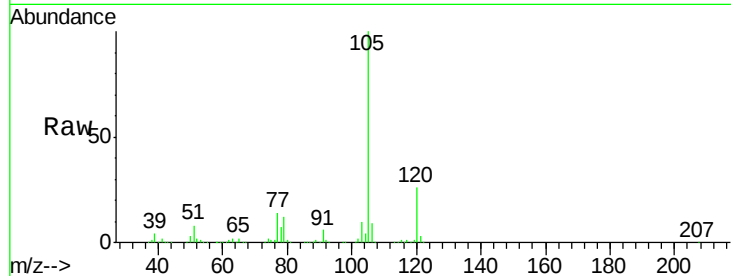
120 26.2 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.863 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Tgt Ion: 43 Resp: 109536

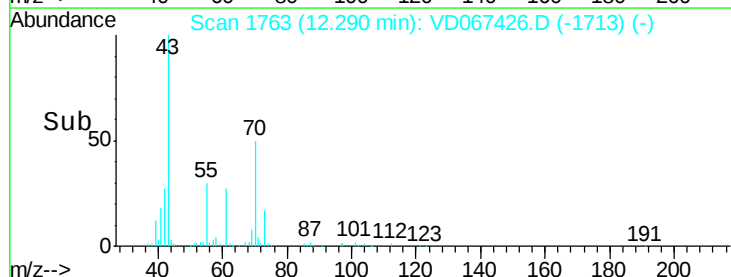
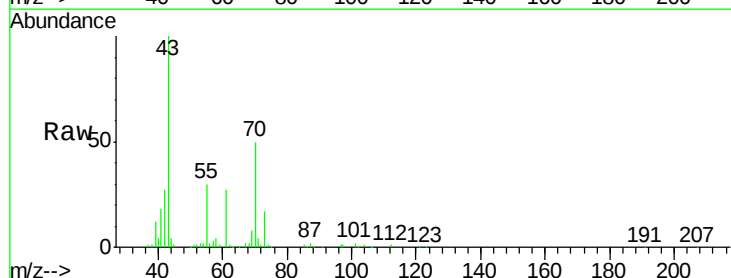
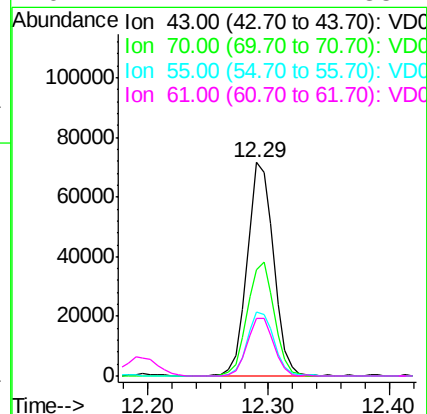
Ion Ratio Lower Upper

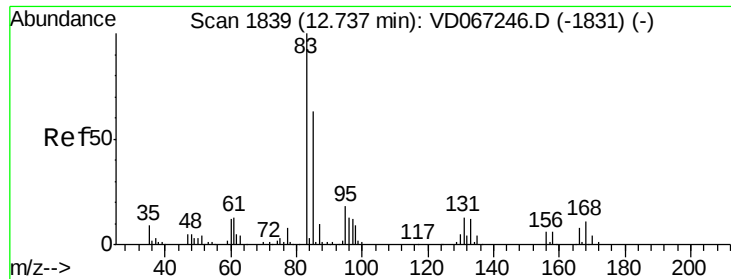
43 100

70 54.5 42.7 64.1

55 30.7 24.0 36.0

61 27.4 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.370 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 110025

Ion Ratio Lower Upper

83 100

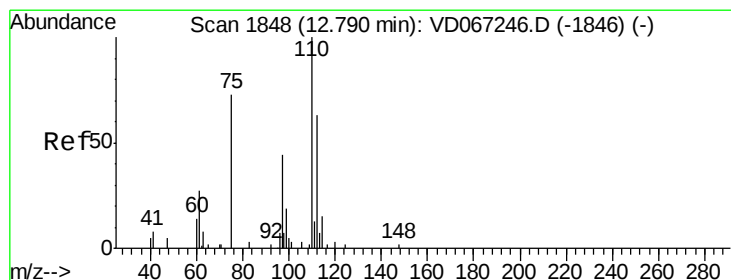
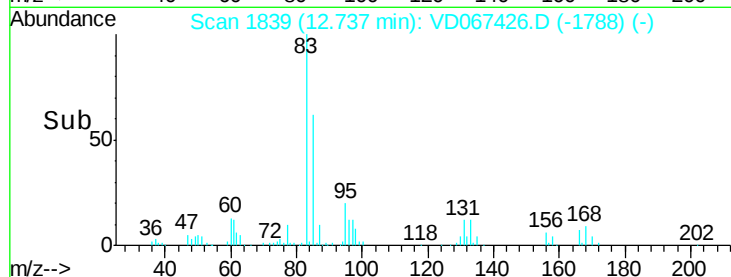
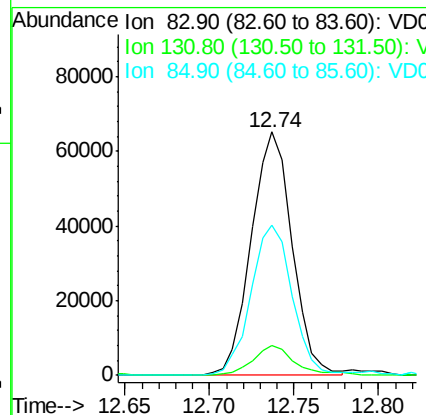
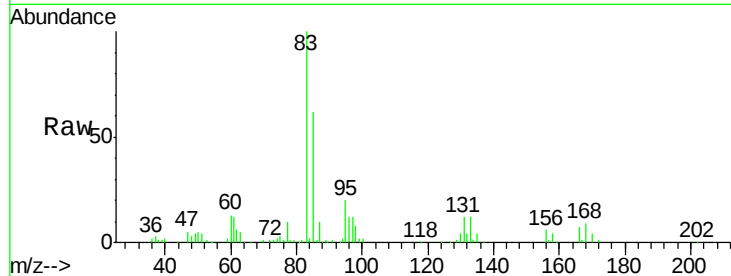
131 12.7 6.5 19.5

85 62.2 32.6 97.7

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#76

1,2,3-Trichloropropane

Concen: 43.817 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD067426.D

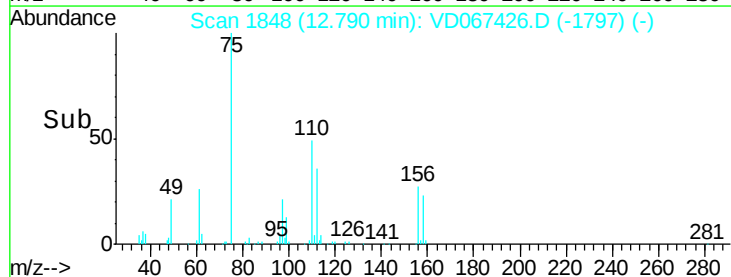
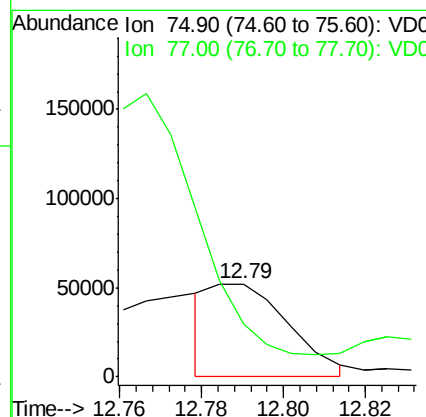
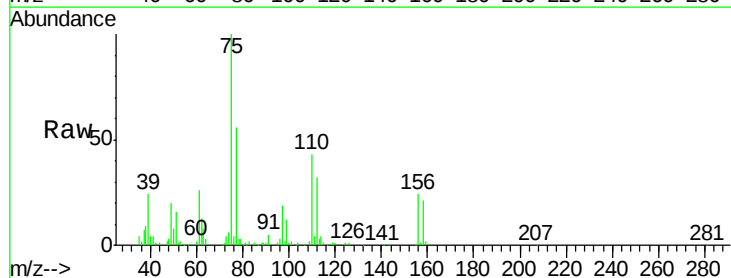
Acq: 28 Oct 2020 11:32

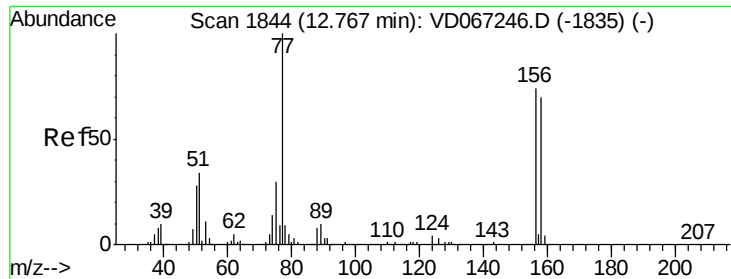
Tgt Ion: 75 Resp: 69598

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.824 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

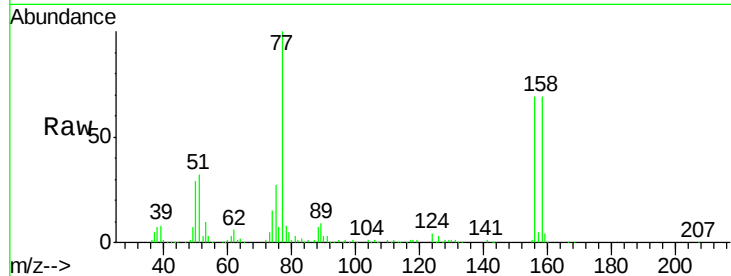
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	162.2	78.0	233.8
158	98.8	49.1	147.3

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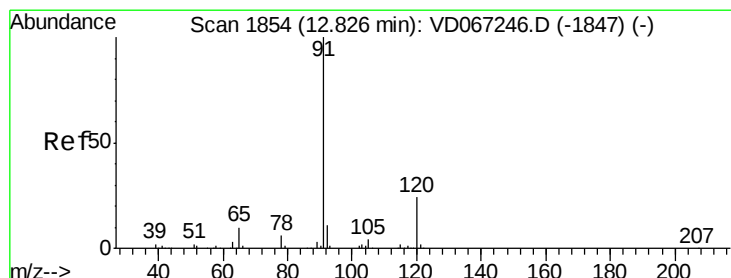
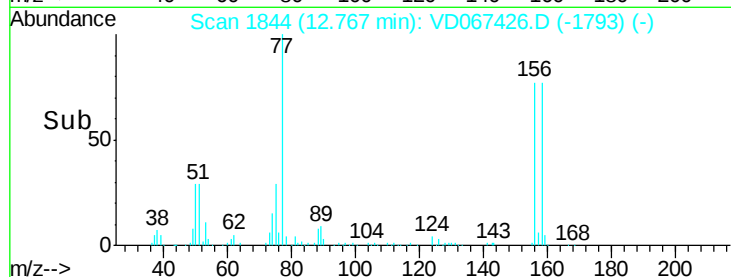
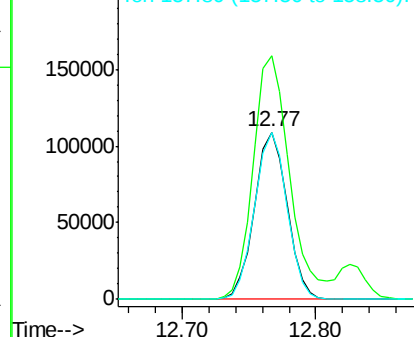
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.996 ug/l

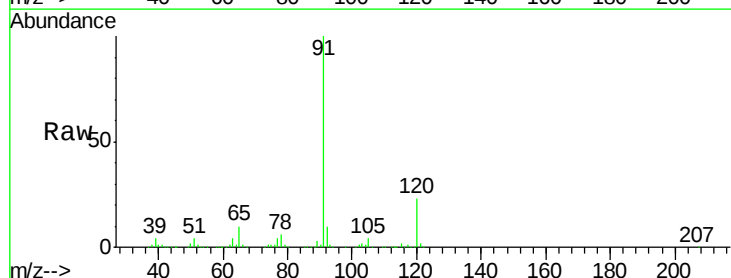
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067426.D

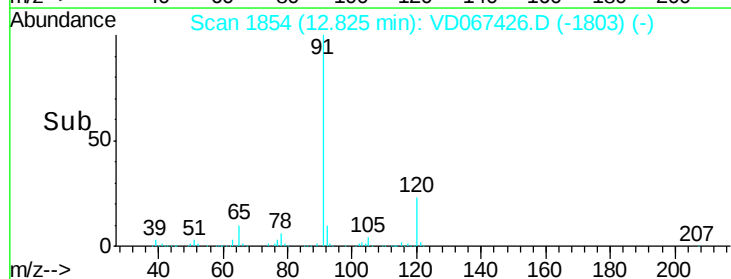
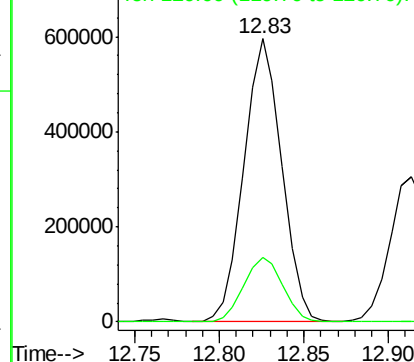
Acq: 28 Oct 2020 11:32

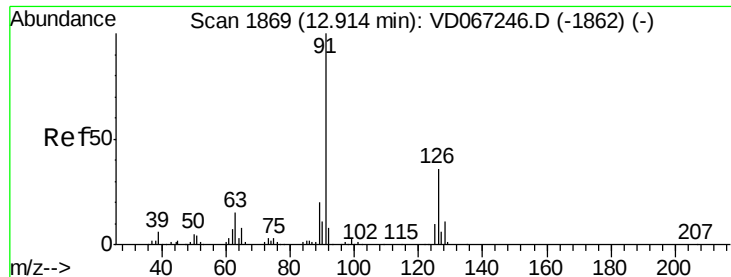
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





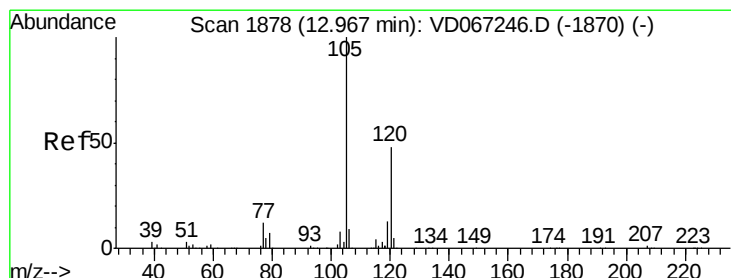
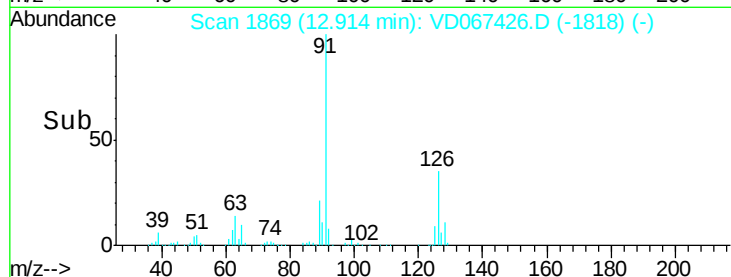
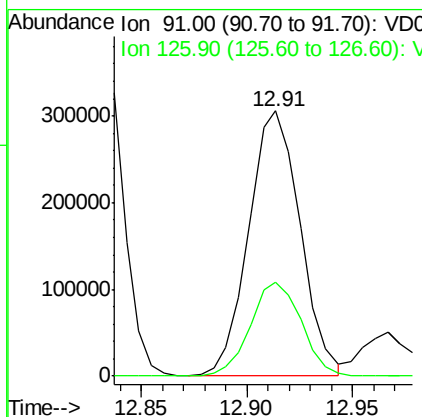
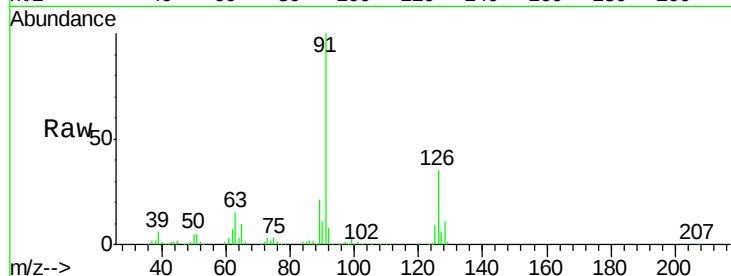
#79
2-Chlorotoluene
Concen: 52.917 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 517141
Ion Ratio Lower Upper
91 100
126 35.2 17.6 52.8

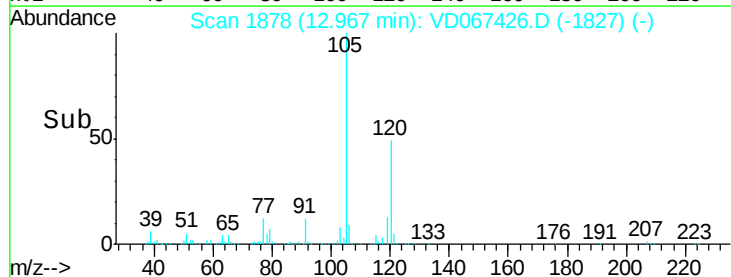
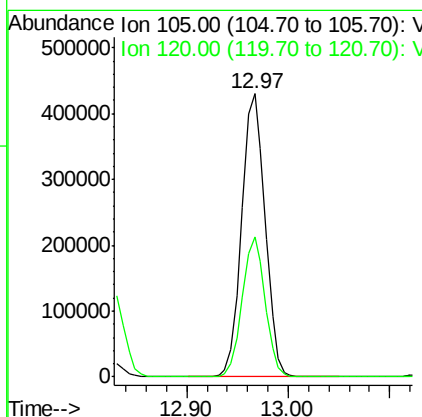
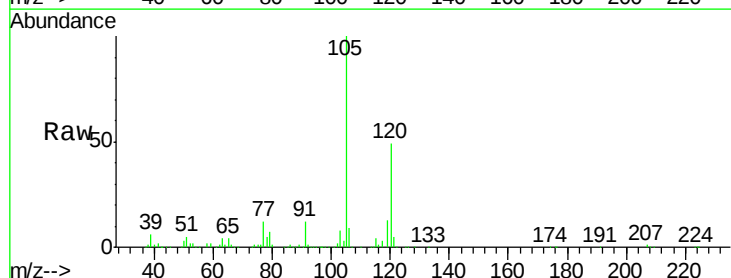
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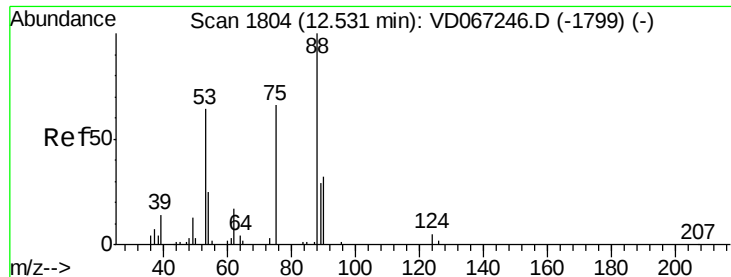
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 54.542 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion: 105 Resp: 689371
Ion Ratio Lower Upper
105 100
120 48.3 24.3 72.8





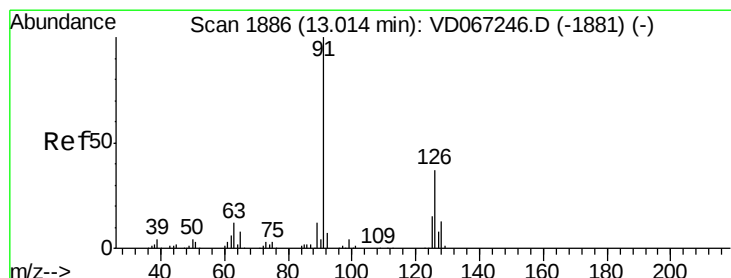
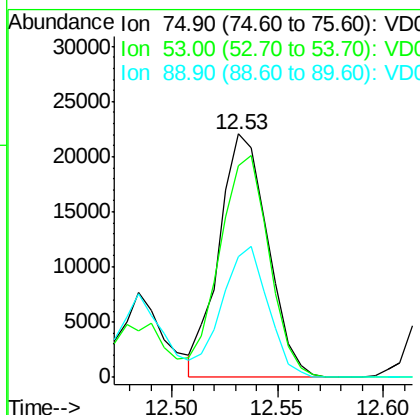
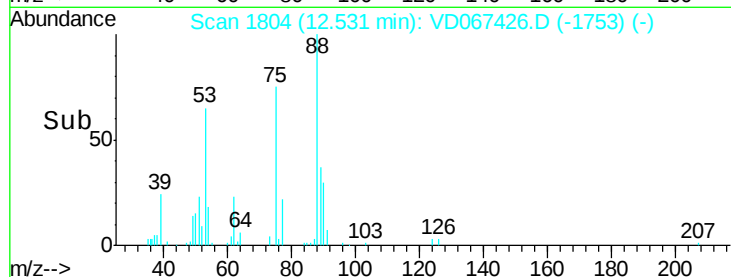
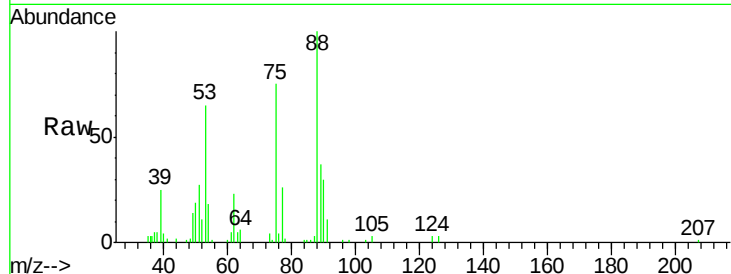
#81
trans-1,4-Dichloro-2-butene
Concen: 50.345 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.7	78.5	117.7
89	51.3	39.9	59.9

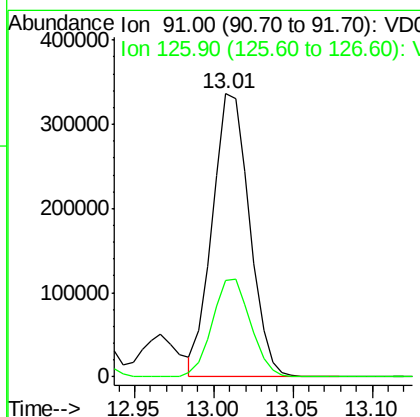
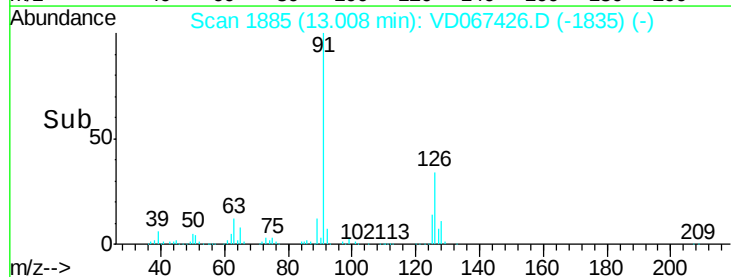
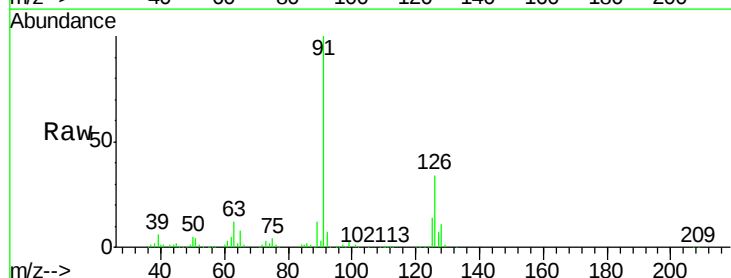
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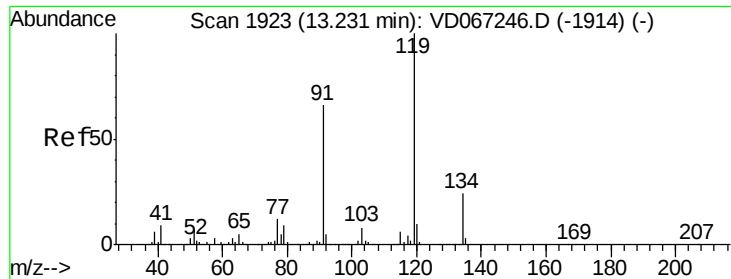
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#82
4-Chlorotoluene
Concen: 52.825 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.8	53.5





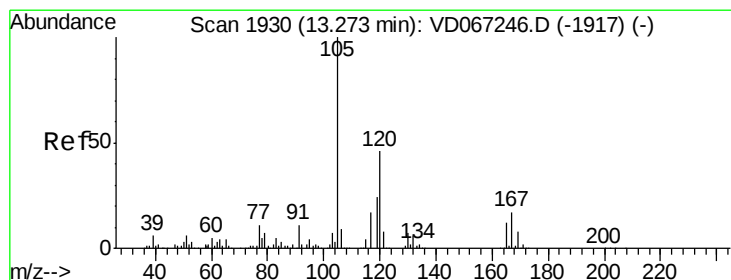
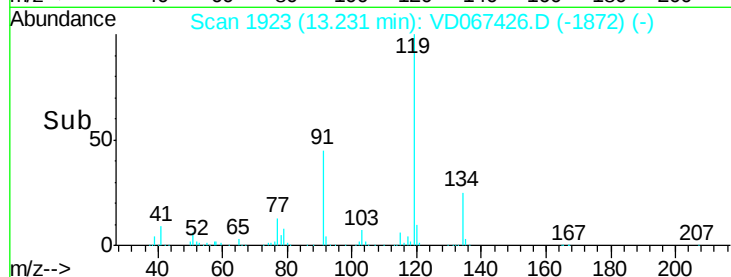
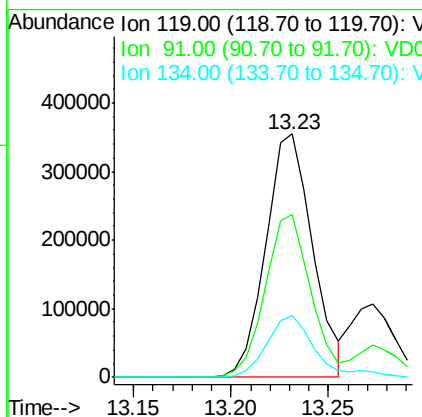
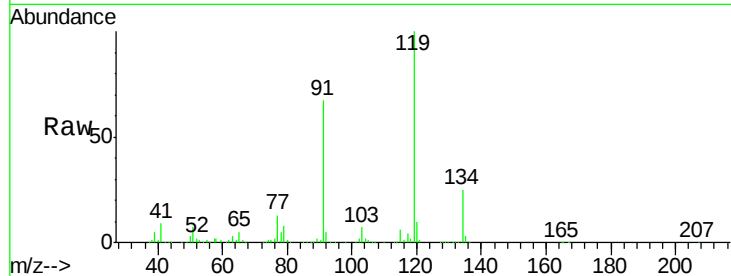
#83
tert-Butylbenzene
Concen: 55.338 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	590814		
91	64.6		33.1	99.2
134	26.4		13.3	39.9

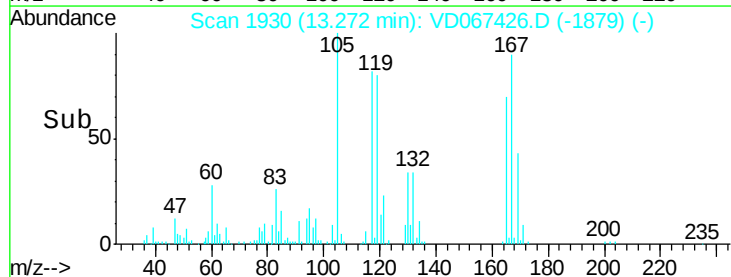
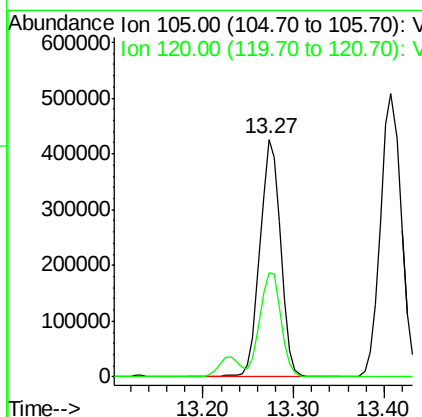
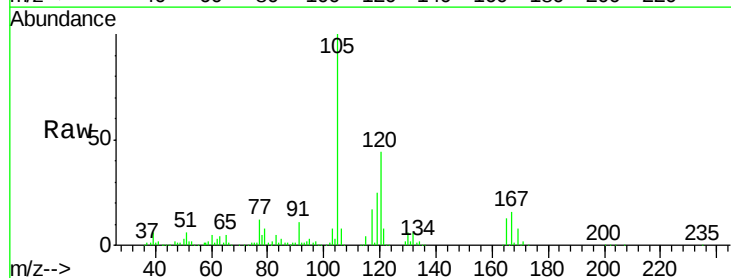
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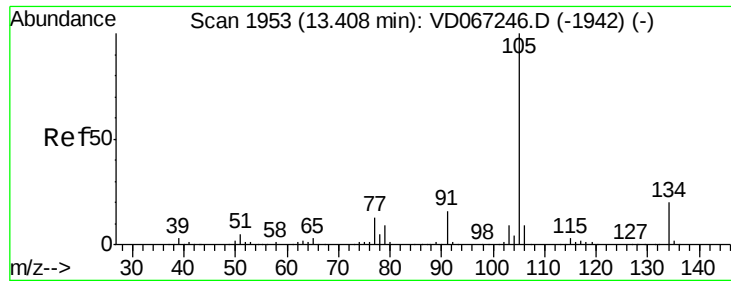
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#84
1,2,4-Trimethylbenzene
Concen: 54.300 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	678326		
120	44.5		22.4	67.3





#85

sec-Butylbenzene

Concen: 54.853 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 803580

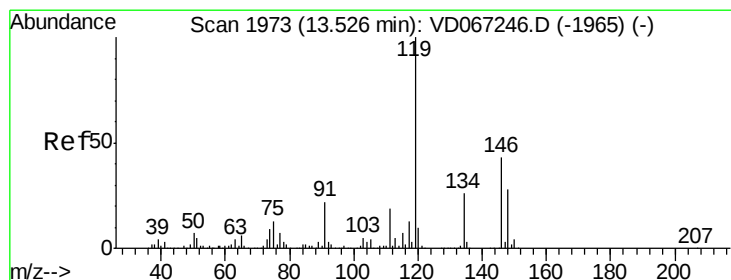
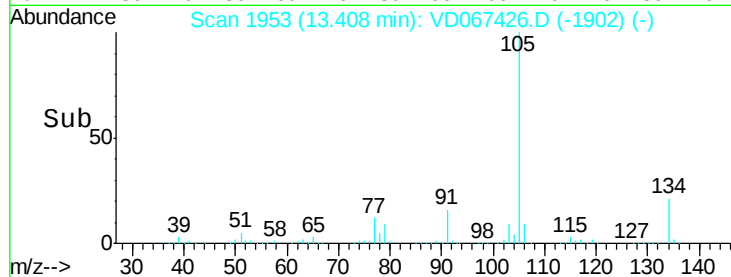
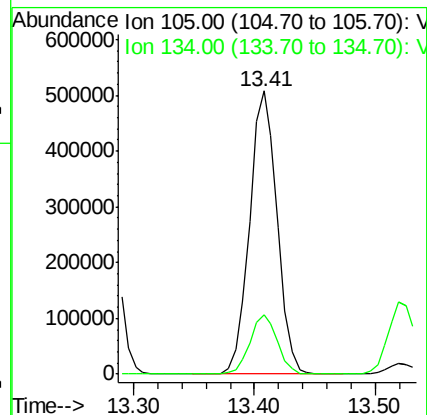
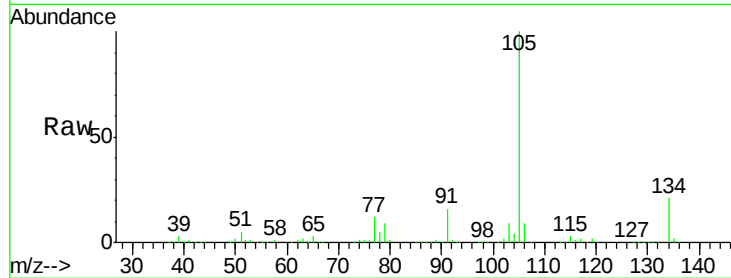
Ion Ratio Lower Upper

105 100

134 21.0 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 55.461 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

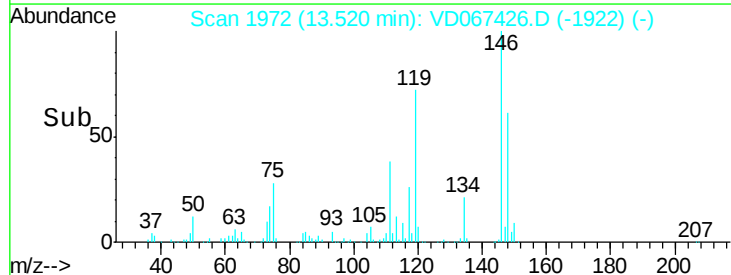
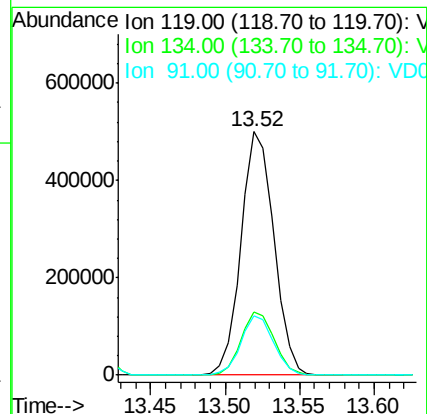
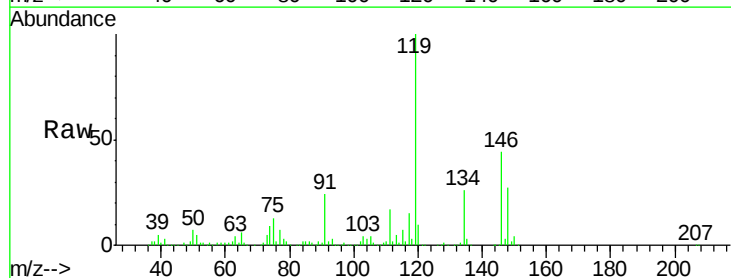
Tgt Ion:119 Resp: 766893

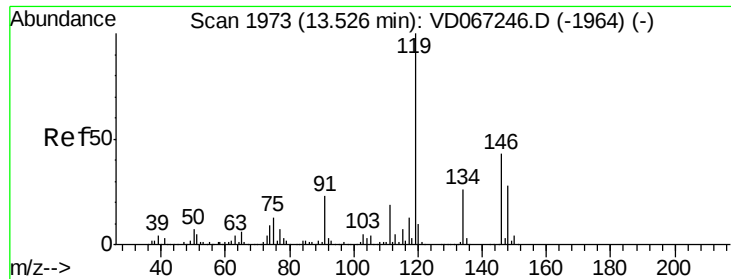
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 24.1 11.9 35.9





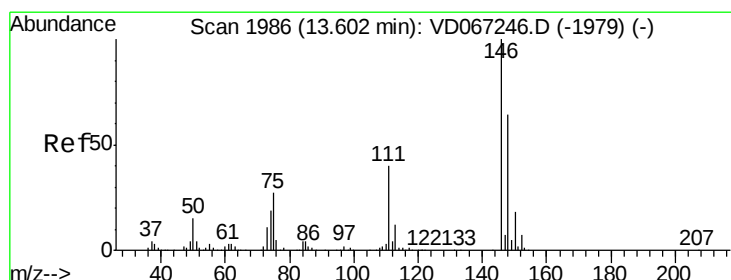
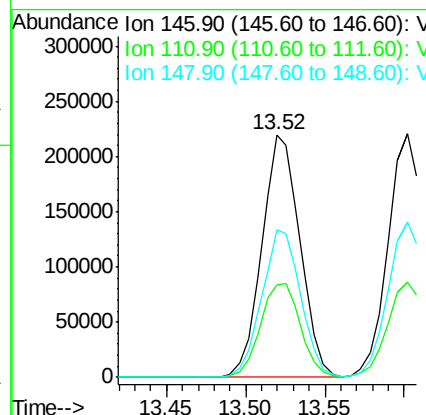
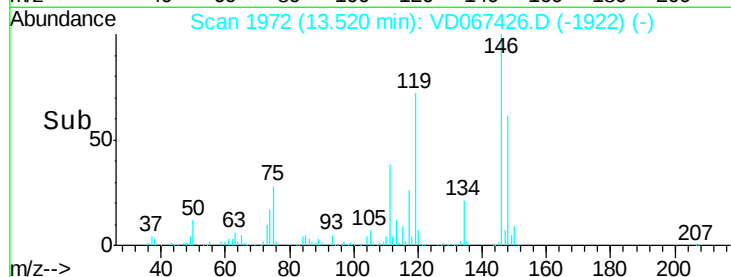
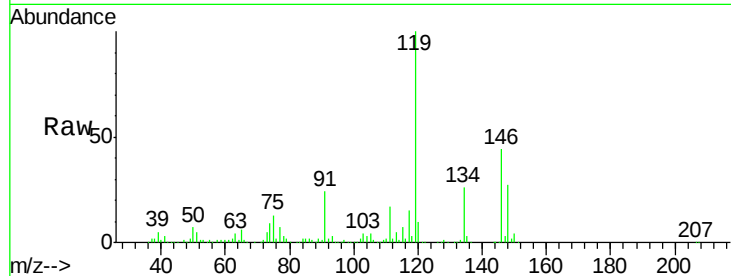
#87
 1,3-Dichlorobenzene
 Concen: 52.437 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067426.D
 Acq: 28 Oct 2020 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.1	63.3
148	62.3	31.9	95.9

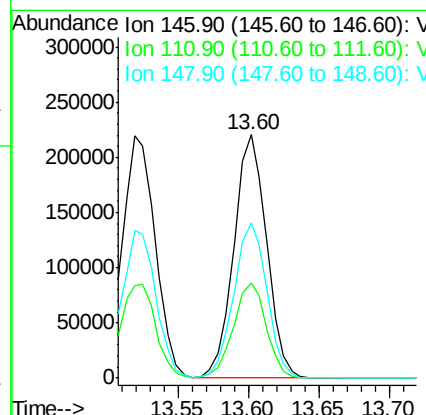
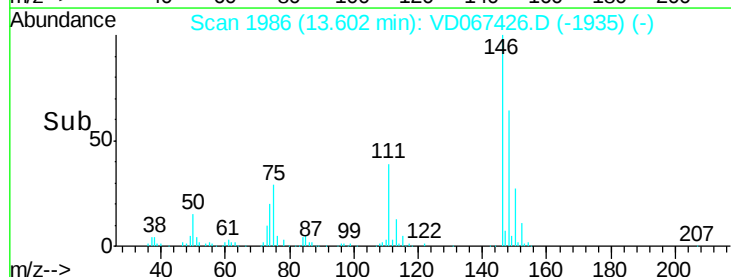
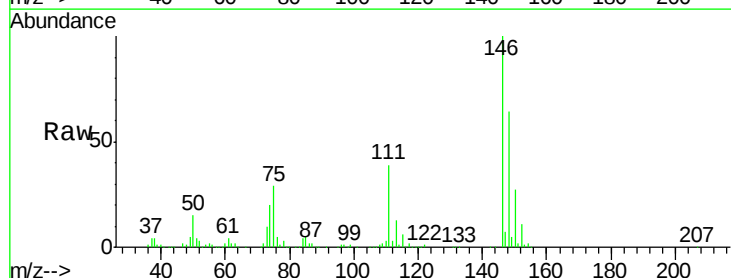
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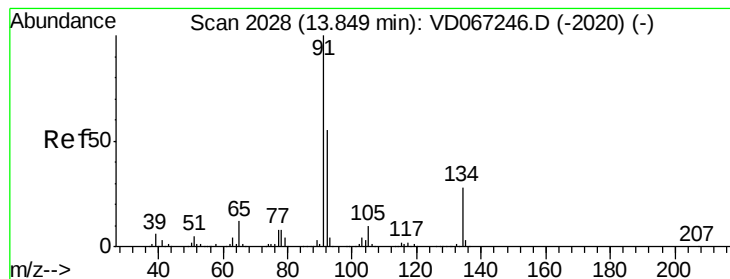
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#88
 1,4-Dichlorobenzene
 Concen: 51.458 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067426.D
 Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	64.6	31.9	95.9





#89

n-Butylbenzene

Concen: 55.620 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VD067426.D

Acq: 28 Oct 2020 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 676593

Ion Ratio Lower Upper

91 100

92 53.4 26.7 80.0

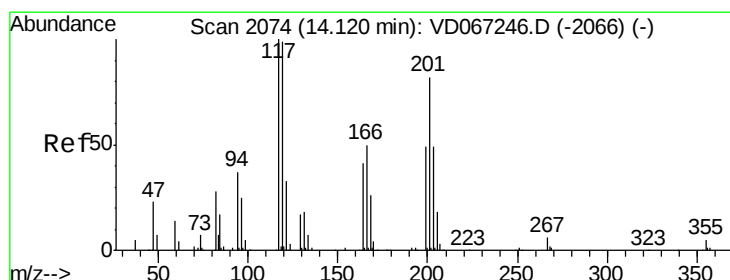
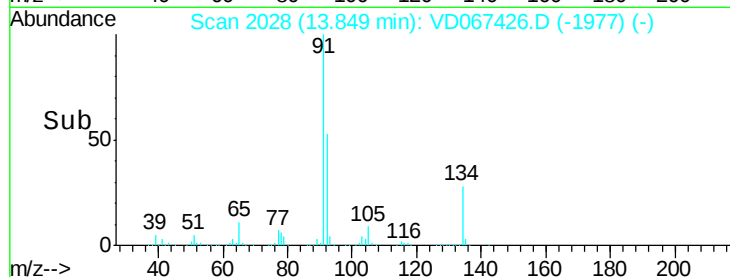
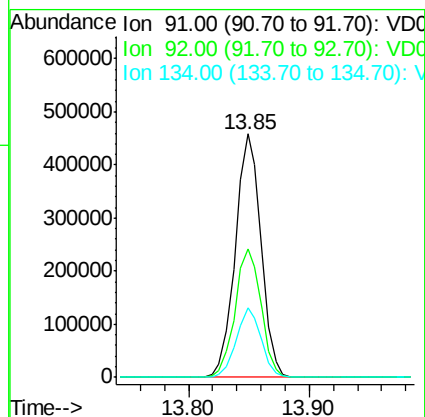
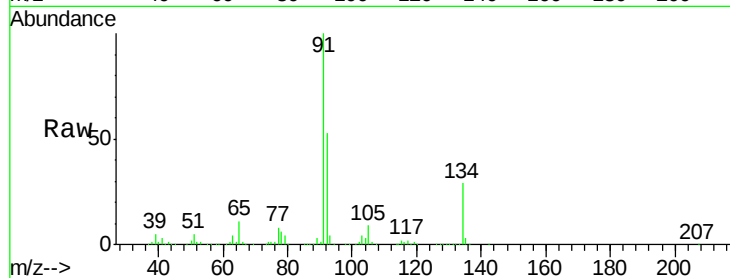
134 27.8 14.2 42.6

Manual Integrations

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#90

Hexachloroethane

Concen: 53.085 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD067426.D

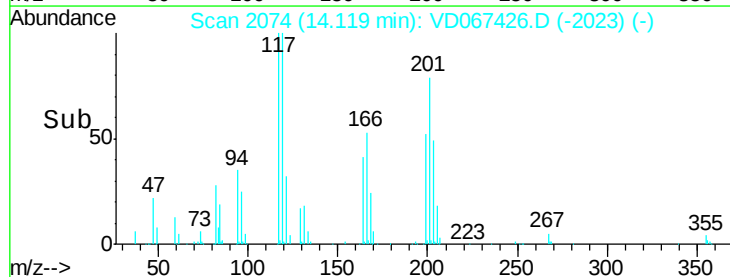
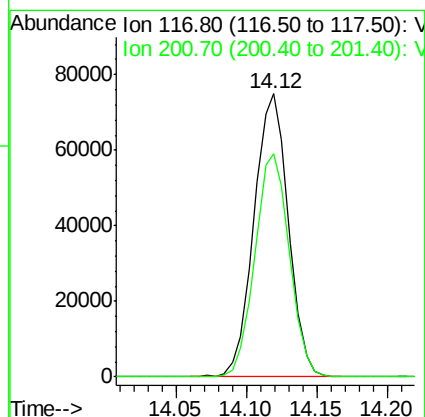
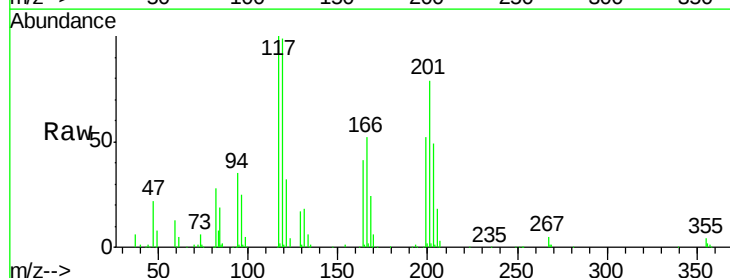
Acq: 28 Oct 2020 11:32

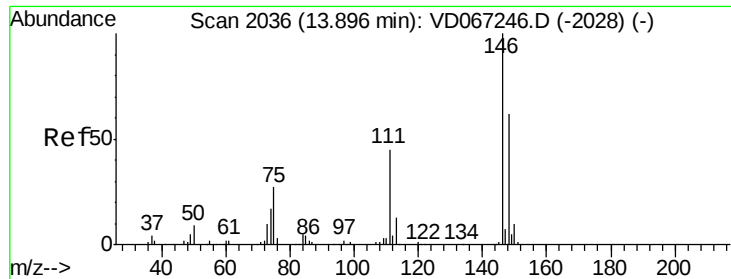
Tgt Ion: 117 Resp: 128092

Ion Ratio Lower Upper

117 100

201 79.1 40.8 122.2





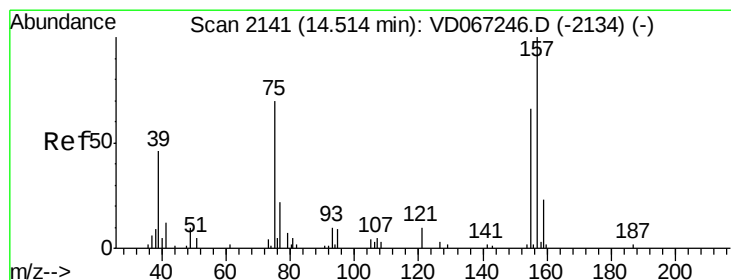
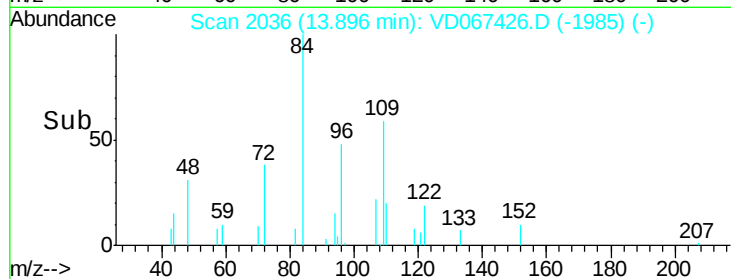
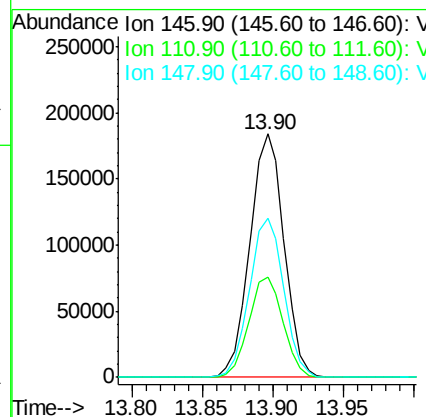
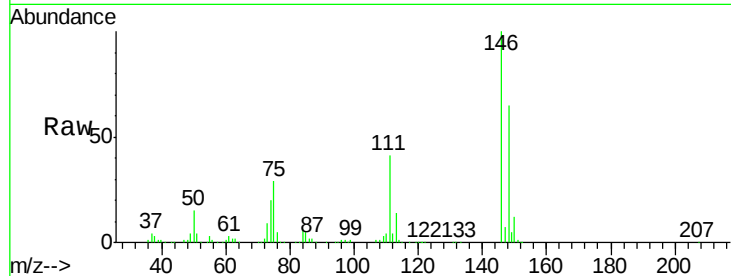
#91
 1,2-Dichlorobenzene
 Concen: 51.231 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067426.D
 Acq: 28 Oct 2020 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	22.0	66.0
148	65.8	32.5	97.5

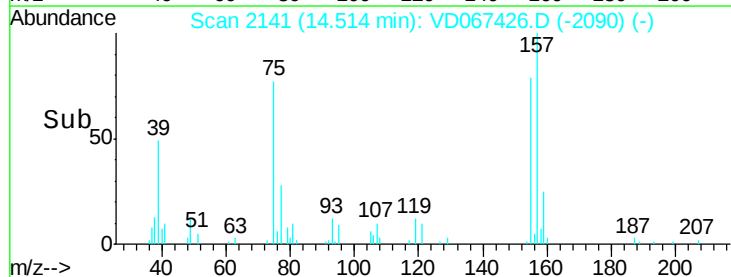
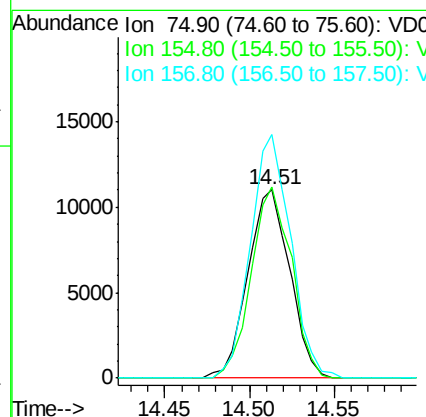
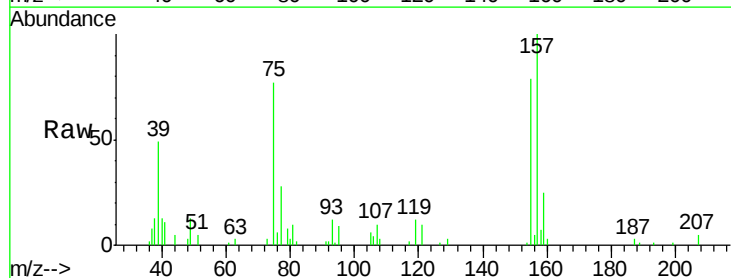
Manual Integrations
 APPROVED

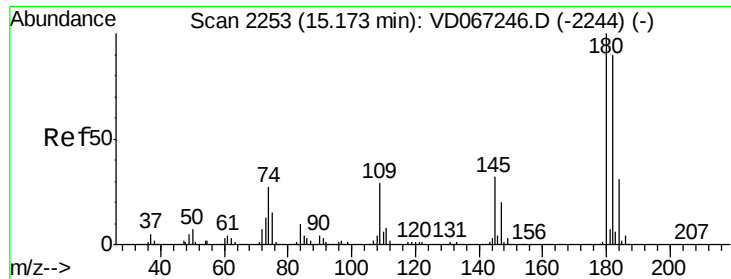
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.889 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD067426.D
 Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	44.8	134.4
157	124.5	62.5	187.4





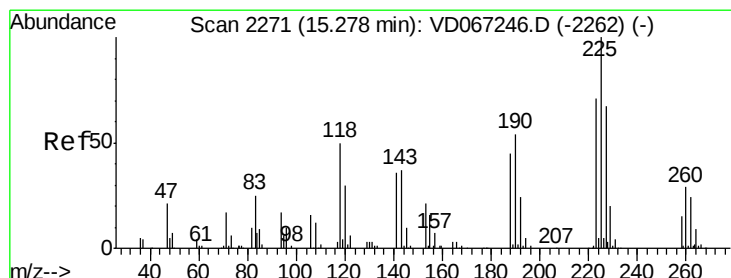
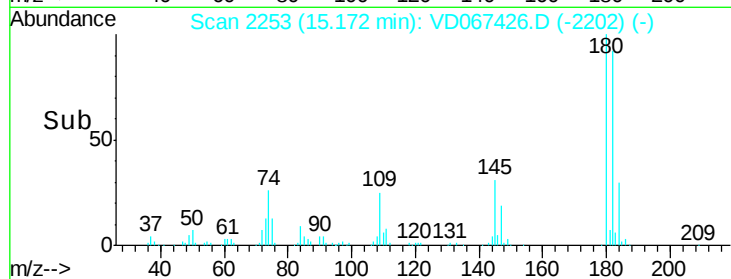
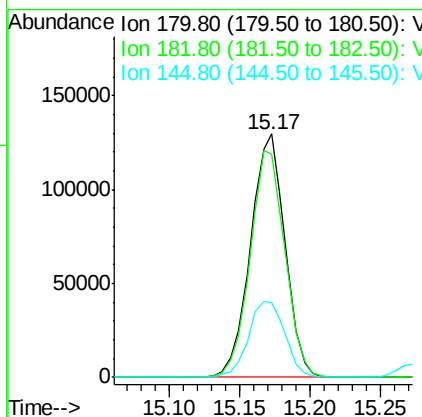
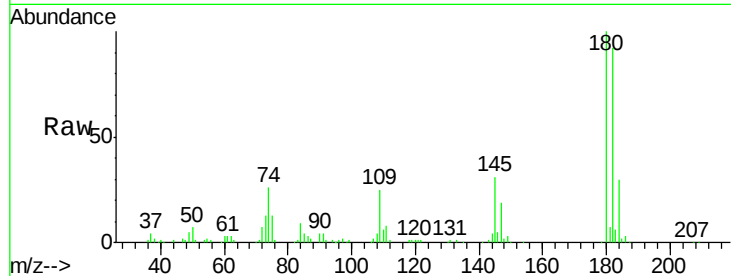
#93
 1,2,4-Trichlorobenzene
 Concen: 54.132 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD067426.D
 Acq: 28 Oct 2020 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	222529		
182	94.2	48.1	144.4	
145	32.9	16.3	48.9	

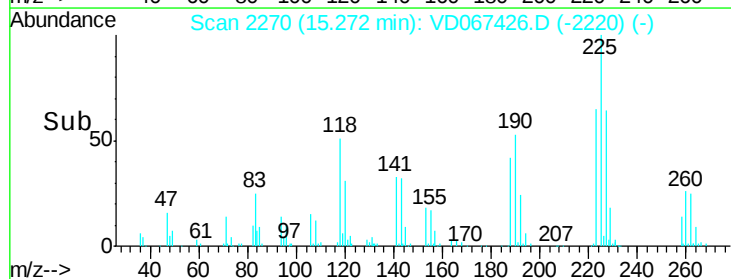
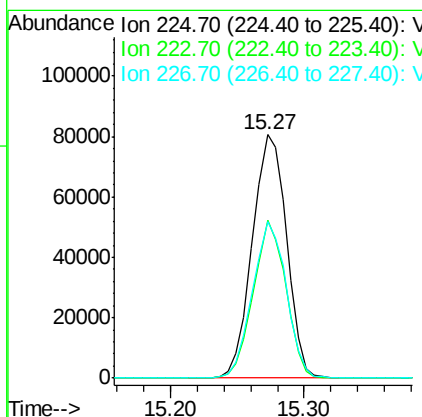
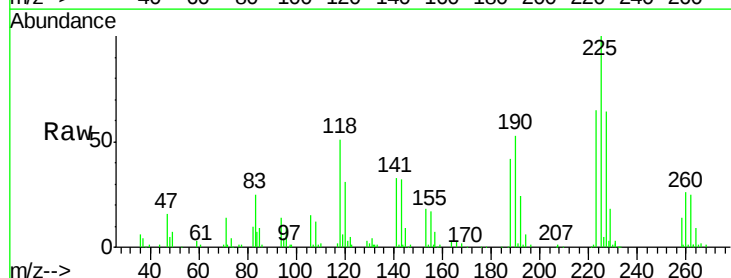
Manual Integrations
 APPROVED

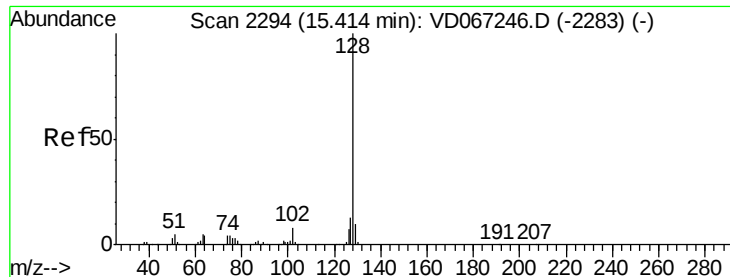
MMDadoda
 10/29/2020 12:00:51 PM



#94
 Hexachlorobutadiene
 Concen: 55.956 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067426.D
 Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	142845		
223	61.6	31.9	95.7	
227	63.4	31.2	93.6	





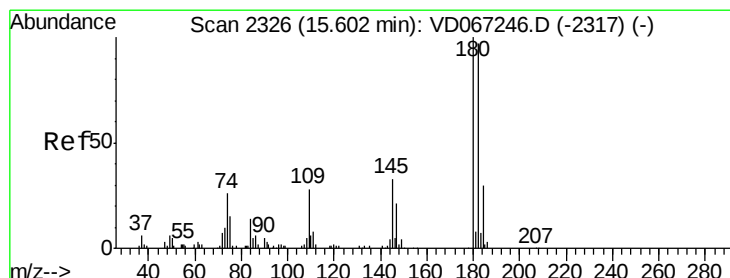
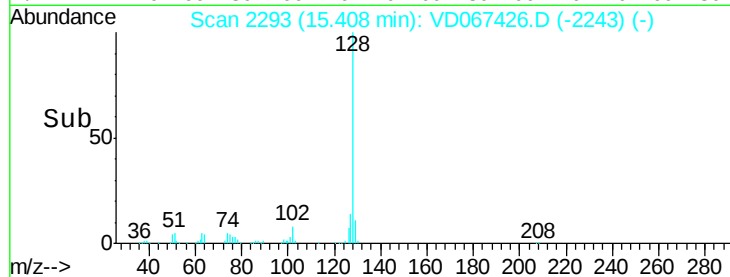
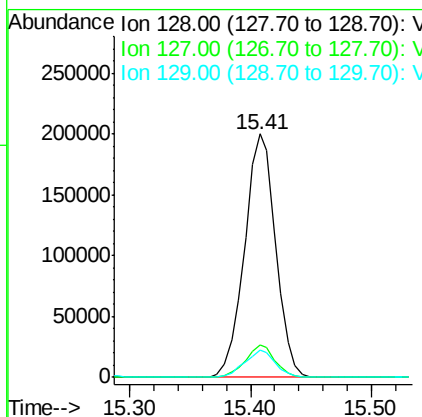
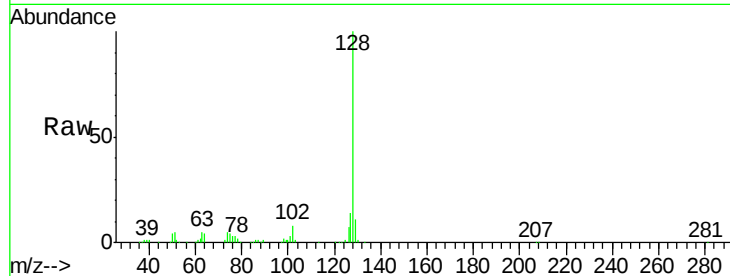
#95
Naphthalene
Concen: 53.266 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	359513		
127	12.8		10.4	15.6
129	10.9		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/29/2020 12:00:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.020 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD067426.D
Acq: 28 Oct 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	191848		
182	96.0		48.1	144.3
145	33.8		17.3	51.9

