

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067141.D
 Acq On : 07 Oct 2020 09:57
 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

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 10/8/2020 5:39:27 PM

Quant Time: Oct 08 07:35:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	385131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	581890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	524500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	261635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	184175	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
35) Dibromofluoromethane	7.91	113	194948	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	10.34	98	718322	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.64	95	250675	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	177035	57.881	ug/l	95
3) Chloromethane	2.21	50	125242	40.834	ug/l	96
4) Vinyl Chloride	2.35	62	141175	45.905	ug/l	96
5) Bromomethane	2.76	94	104899	53.194	ug/l	100
6) Chloroethane	2.92	64	84071	44.888	ug/l	96
7) Trichlorofluoromethane	3.27	101	337383	49.378	ug/l	99
8) Diethyl Ether	3.70	74	79609	46.984	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	190779	49.399	ug/l	99
10) Methyl Iodide	4.30	142	183271	48.840	ug/l	97
11) Tert butyl alcohol	5.21	59	44830	195.641	ug/l	99
12) 1,1-Dichloroethene	4.07	96	172618	47.546	ug/l	97
13) Acrolein	3.92	56	65606	264.124	ug/l	97
14) Allyl chloride	4.71	41	205038	43.474	ug/l	94
15) Acrylonitrile	5.41	53	140976	226.066	ug/l	97
16) Acetone	4.15	43	160742	283.862	ug/l	98
17) Carbon Disulfide	4.41	76	513604	46.097	ug/l	99
18) Methyl Acetate	4.71	43	62401	43.845	ug/l	92
19) Methyl tert-butyl Ether	5.47	73	329319	49.689	ug/l	98
20) Methylene Chloride	4.96	84	193483	47.834	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	200778	48.595	ug/l	96
22) Diisopropyl ether	6.36	45	383634	44.555	ug/l	95
23) Vinyl Acetate	6.30	43	1152300	236.165	ug/l	95
24) 1,1-Dichloroethane	6.26	63	305327	45.948	ug/l	100
25) 2-Butanone	7.21	43	171728	213.902	ug/l	100
26) 2,2-Dichloropropane	7.20	77	299133	52.882	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	213162	48.307	ug/l	98
28) Bromochloromethane	7.54	49	111388	43.405	ug/l	84
29) Tetrahydrofuran	7.56	42	99391	215.307	ug/l	92
30) Chloroform	7.71	83	347916	48.265	ug/l	98
31) Cyclohexane	7.98	56	250094	44.892	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	335590	50.234	ug/l	98
36) 1,1-Dichloropropene	8.11	75	264996	48.857	ug/l	97
37) Ethyl Acetate	7.28	43	81358	43.299	ug/l	98
38) Carbon Tetrachloride	8.10	117	319869	54.506	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	294811	51.411	ug/l	94
40) Benzene	8.35	78	720001	47.793	ug/l	97
41) Methacrylonitrile	7.53	41	56572	55.730	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	212046	50.371	ug/l	99
43) Isopropyl Acetate	8.45	43	157309	45.446	ug/l	97
44) Trichloroethene	9.11	130	229493	51.015	ug/l	97
45) 1,2-Dichloropropane	9.38	63	166098	46.924	ug/l	94
46) Dibromomethane	9.48	93	100446	49.372	ug/l	94
47) Bromodichloromethane	9.66	83	265947	50.288	ug/l	100
48) Methyl methacrylate	9.46	41	77179	43.521	ug/l #	75
49) 1,4-Dioxane	9.46	88	20134	948.231	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	396185	229.785	ug/l	98
52) Toluene	10.40	92	490013	50.493	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	246722	52.200	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	289926	50.234	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	141801	50.133	ug/l	94
56) Ethyl methacrylate	10.66	69	157482	53.927	ug/l	97
57) 1,3-Dichloropropane	10.94	76	230946	50.351	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	415904	255.883	ug/l	95
59) 2-Hexanone	10.98	43	289117	251.238	ug/l	96
60) Dibromochloromethane	11.14	129	199051	52.800	ug/l	97
61) 1,2-Dibromoethane	11.24	107	135132	49.728	ug/l	95
64) Tetrachloroethene	10.87	164	195222	51.197	ug/l	95
65) Chlorobenzene	11.67	112	536967	51.475	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	209318	52.751	ug/l	97
67) Ethyl Benzene	11.74	91	947662	53.020	ug/l	99
68) m/p-Xylenes	11.86	106	727682	104.468	ug/l	98
69) o-Xylene	12.18	106	331679	53.248	ug/l	96
70) Styrene	12.20	104	578698	54.104	ug/l	99
71) Bromoform	12.36	173	112223	54.484	ug/l #	99
73) Isopropylbenzene	12.48	105	952381	53.609	ug/l	99
74) N-amyl acetate	12.29	43	143518	44.939	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	139657	46.658	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	115330m	50.607	ug/l	
77) Bromobenzene	12.76	156	222024	51.758	ug/l	94
78) n-propylbenzene	12.83	91	1090581	51.943	ug/l	98
79) 2-Chlorotoluene	12.91	91	604937	50.359	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	810215	53.980	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	45918	50.234	ug/l	96
82) 4-Chlorotoluene	13.01	91	648252	50.721	ug/l	99
83) tert-Butylbenzene	13.23	119	700060	55.386	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	794659	53.051	ug/l	98
85) sec-Butylbenzene	13.41	105	953323	53.558	ug/l	100
86) p-Isopropyltoluene	13.52	119	871249	52.796	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	423697	50.709	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	416243	49.822	ug/l	99
89) n-Butylbenzene	13.85	91	798367	52.936	ug/l	99
90) Hexachloroethane	14.12	117	151418	52.382	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	369586	50.647	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	23368	48.431	ug/l	93

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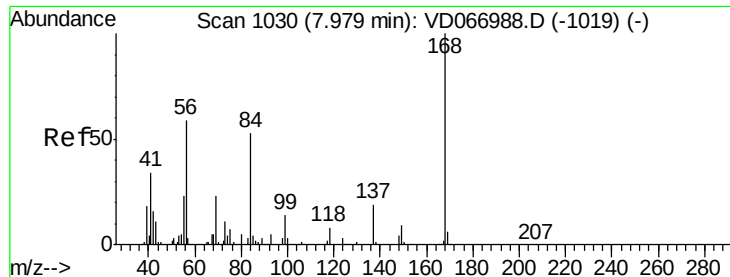
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	252593	53.515	ug/l	99
94) Hexachlorobutadiene	15.28	225	155995	53.814	ug/l	97
95) Naphthalene	15.41	128	430749	54.713	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	215955	52.705	ug/l	97

(#) = 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. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 385131

Ion Ratio Lower Upper

168 100

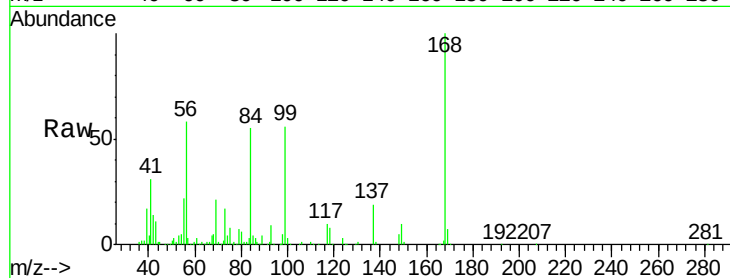
99 55.7 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

100000

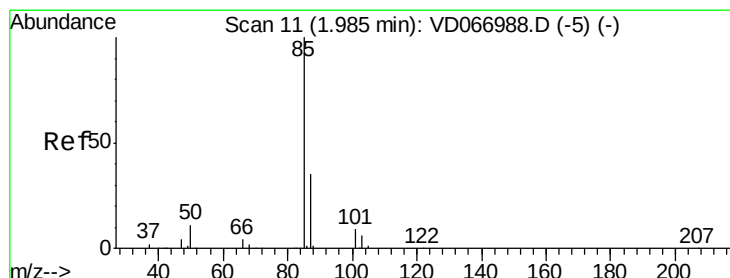
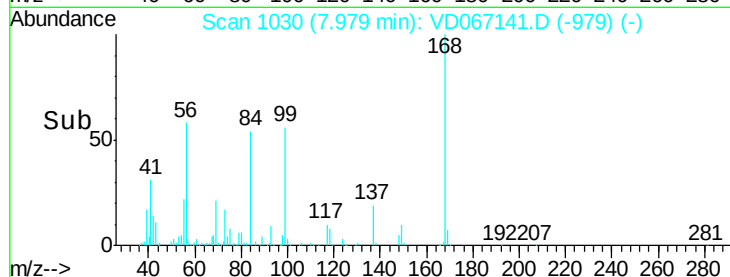
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 57.881 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067141.D

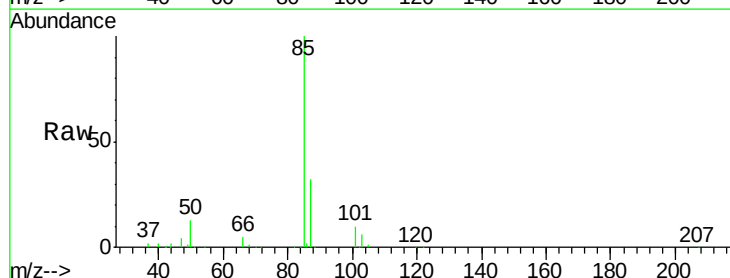
Acq: 07 Oct 2020 09:57

Tgt Ion: 85 Resp: 177035

Ion Ratio Lower Upper

85 100

87 31.7 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

100000

50000

0

1.90

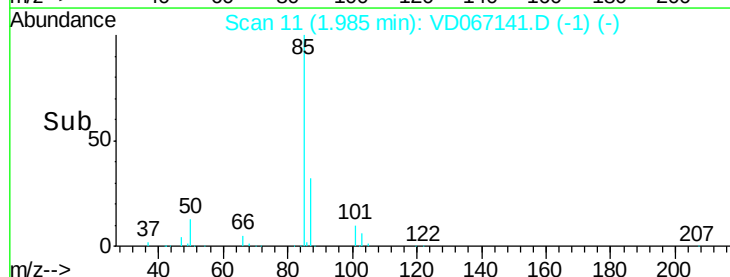
1.95

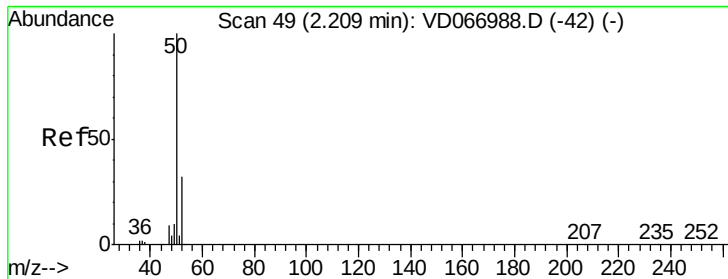
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 40.834 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 125242

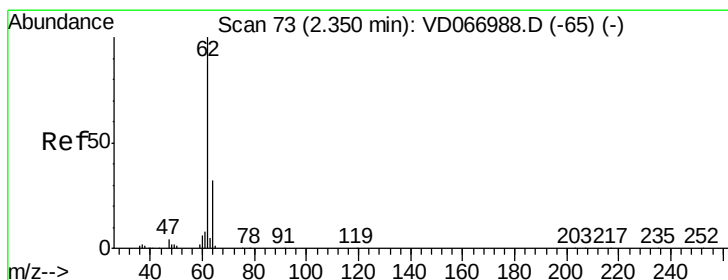
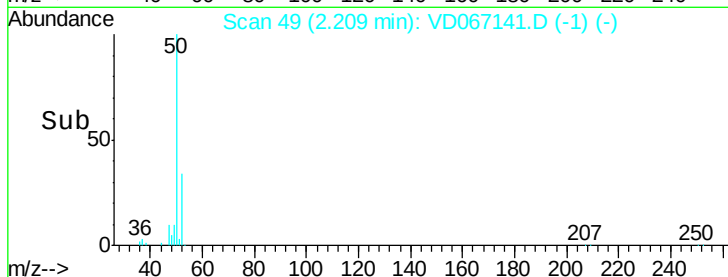
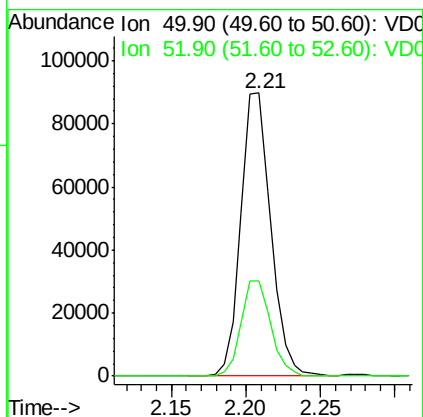
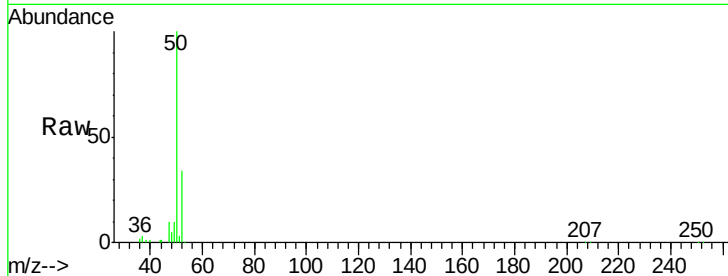
Ion Ratio Lower Upper

50 100

52 33.9 25.3 37.9

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#4

Vinyl Chloride

Concen: 45.905 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067141.D

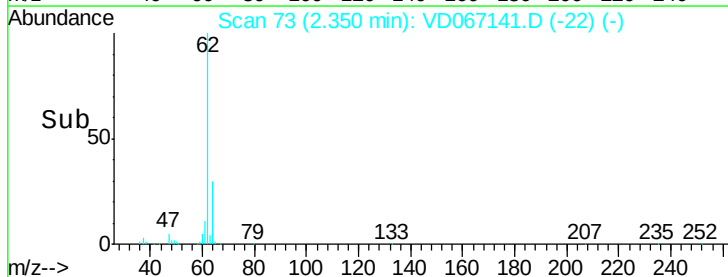
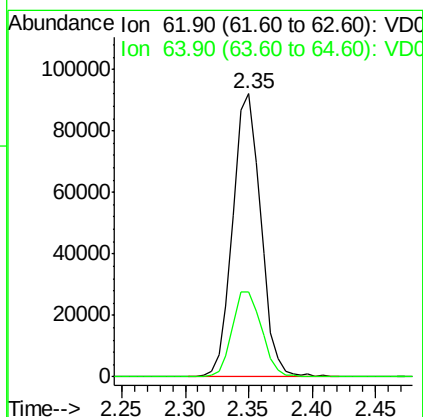
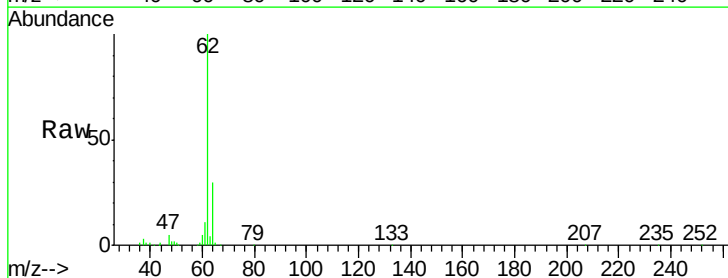
Acq: 07 Oct 2020 09:57

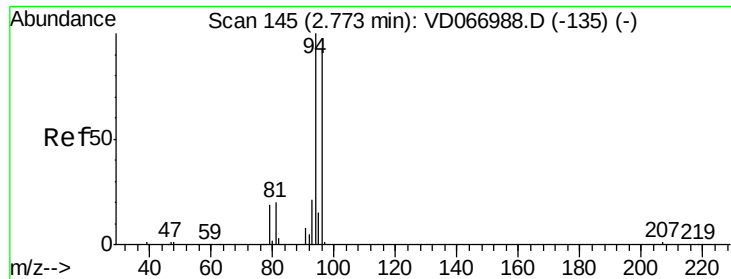
Tgt Ion: 62 Resp: 141175

Ion Ratio Lower Upper

62 100

64 30.0 25.8 38.8





#5

Bromomethane

Concen: 53.194 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 104899

Ion Ratio Lower Upper

94 100

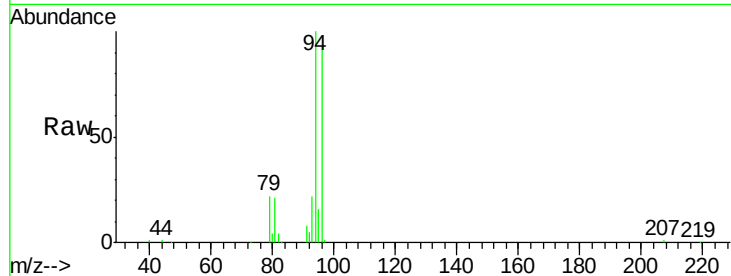
96 93.4 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

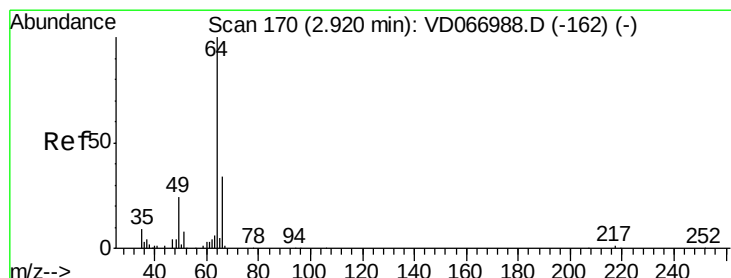
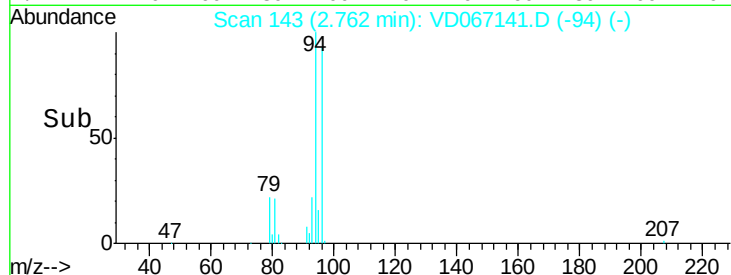
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 44.888 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067141.D

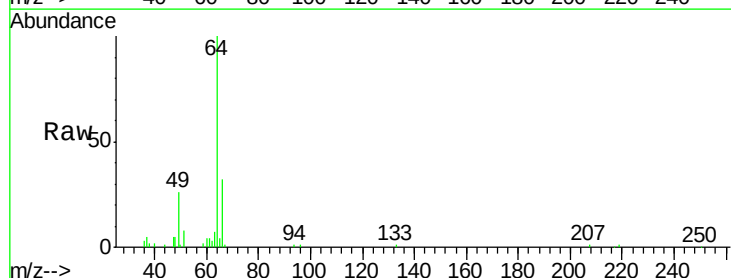
Acq: 07 Oct 2020 09:57

Tgt Ion: 64 Resp: 84071

Ion Ratio Lower Upper

64 100

66 31.6 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

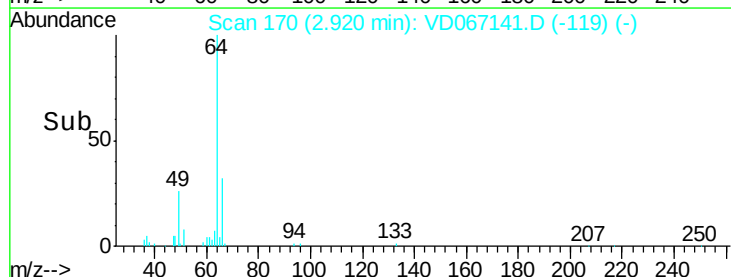
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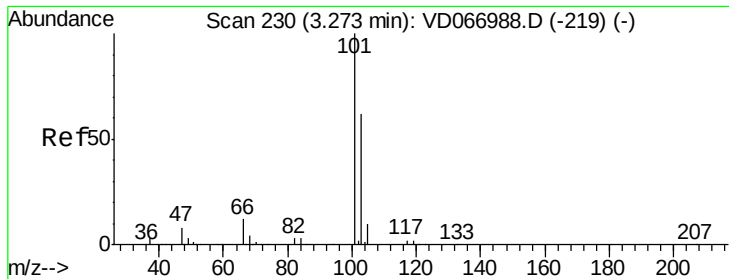
20000

10000

0

Time-->





#7

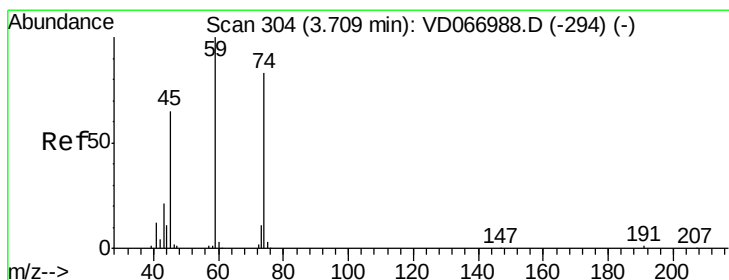
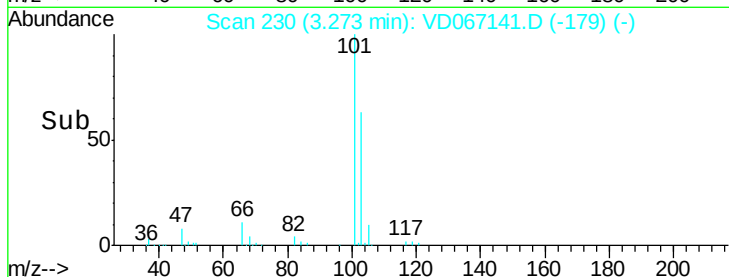
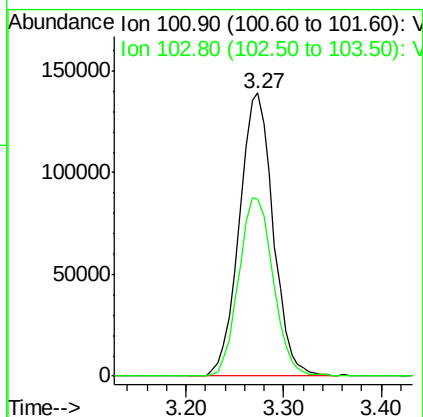
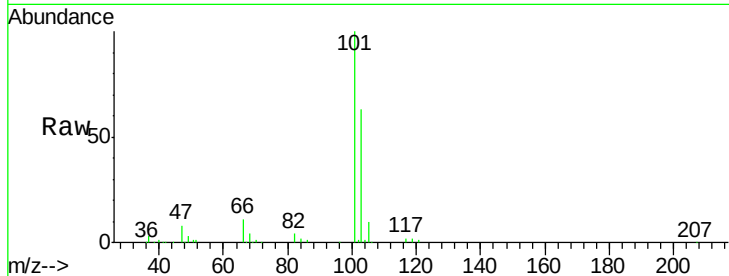
Trichlorofluoromethane
 Concen: 49.378 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067141.D
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Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	49.8	74.8

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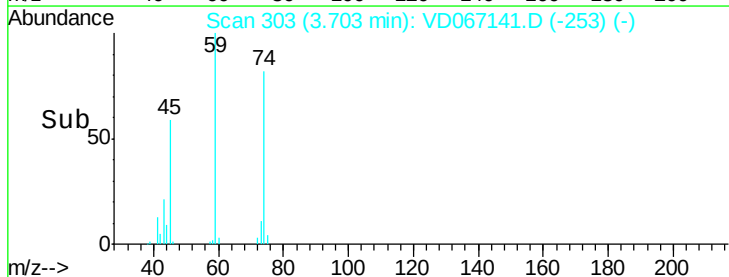
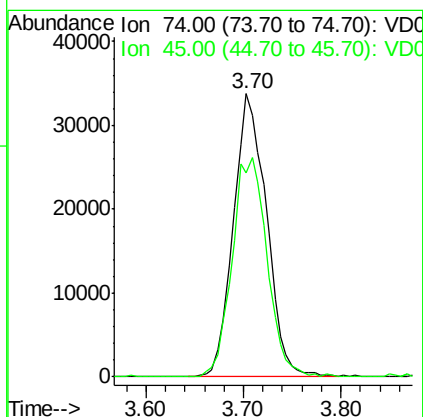
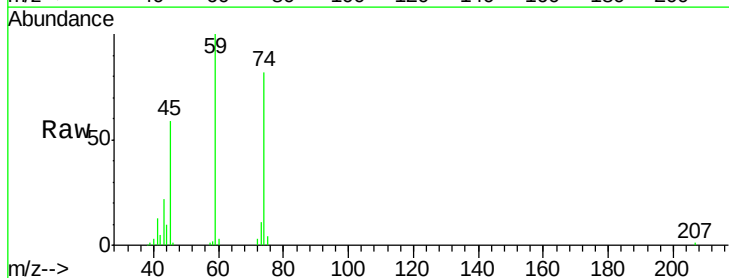
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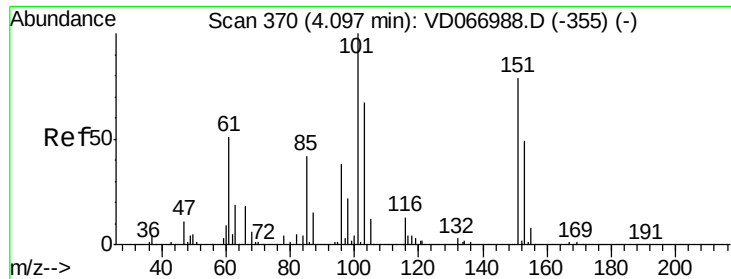


#8

Diethyl Ether
 Concen: 46.984 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.3	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.399 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

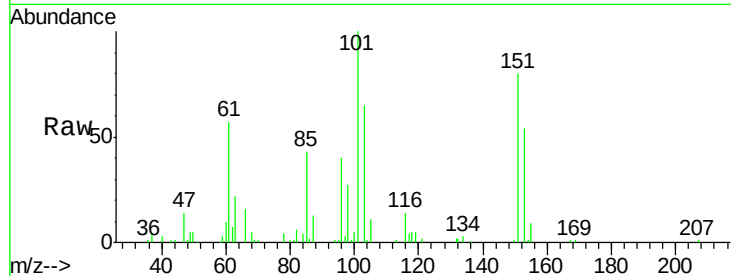
ClientSampleId :

VSTDCCC050

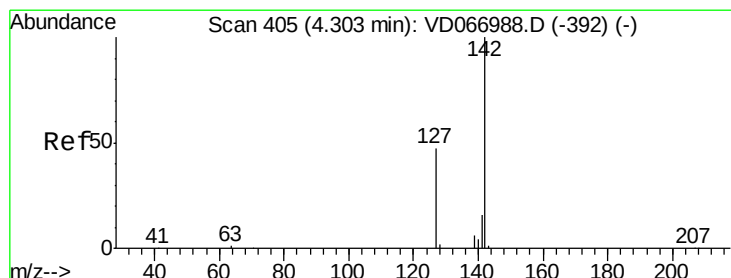
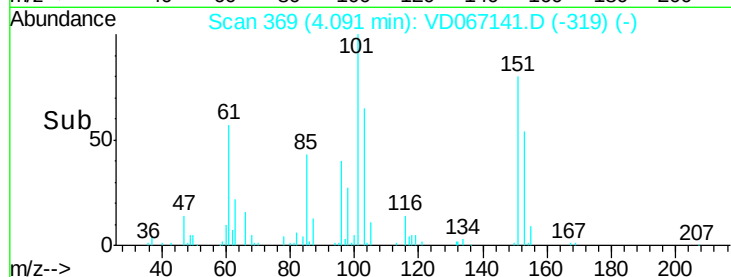
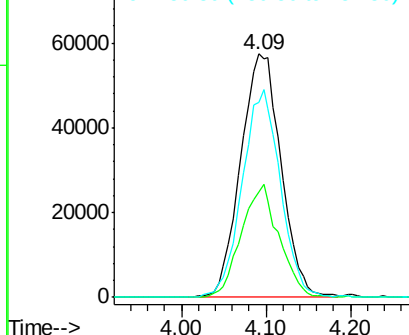
Tot Ion:	101	Resp:	190779
Ion Ratio	Lower	Upper	
101	100		
85	43.4	33.8	50.8
151	80.6	63.8	95.8

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



#10

Methyl Iodide

Concen: 48.840 ug/l

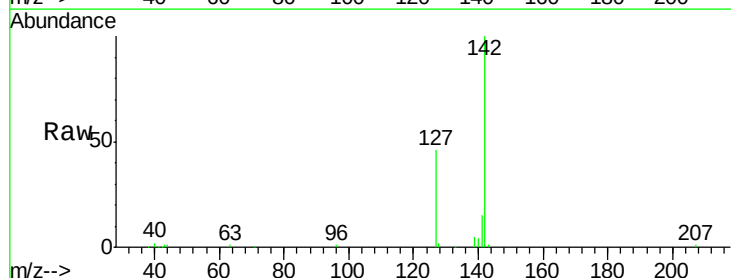
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

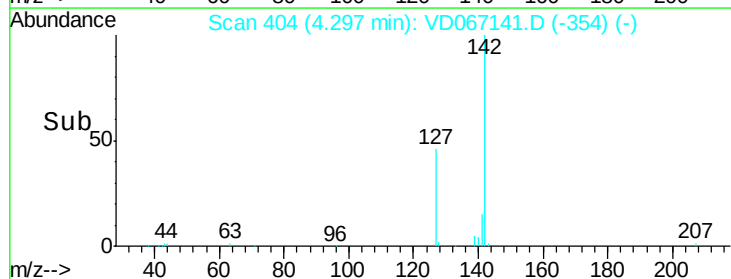
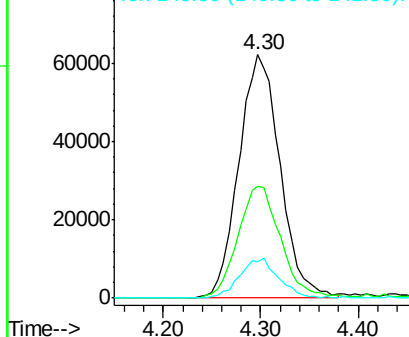
Lab File: VD067141.D

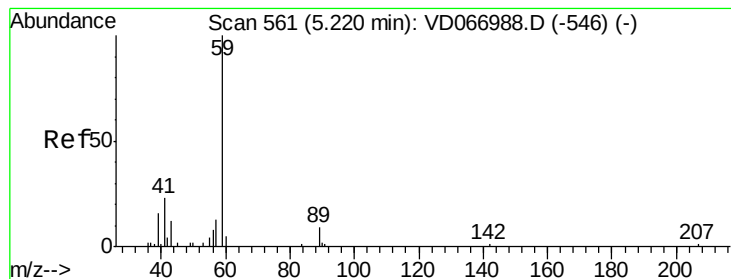
Acq: 07 Oct 2020 09:57

Tgt Ion:	142	Resp:	183271
Ion Ratio	Lower	Upper	
142	100		
127	47.6	36.3	54.5
141	15.4	12.0	18.0



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





#11

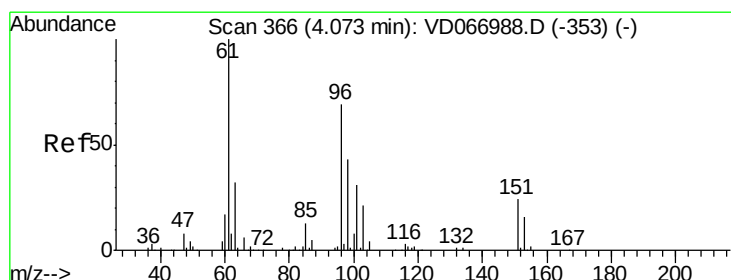
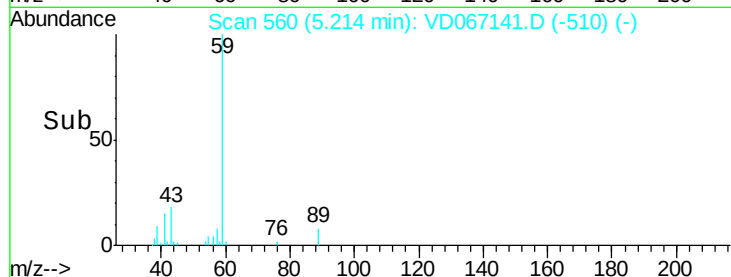
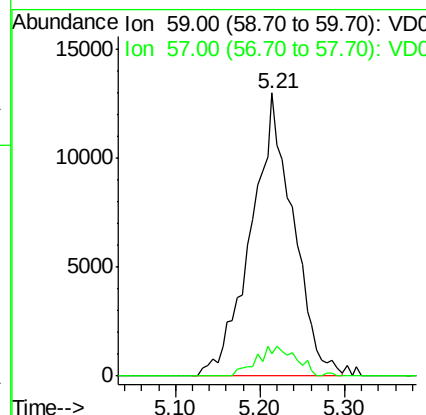
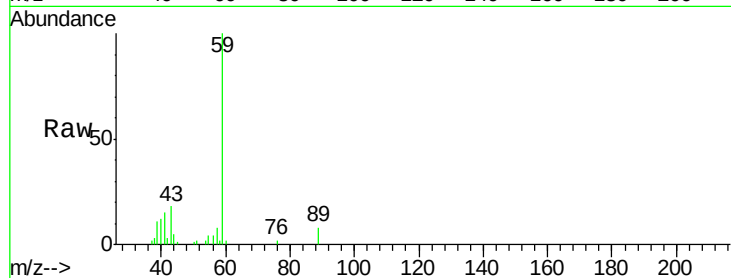
Tert butyl alcohol
 Concen: 195.641 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	44830
Ion Ratio	100	Lower	Upper
57	9.8	8.2	12.4

Manual Integrations
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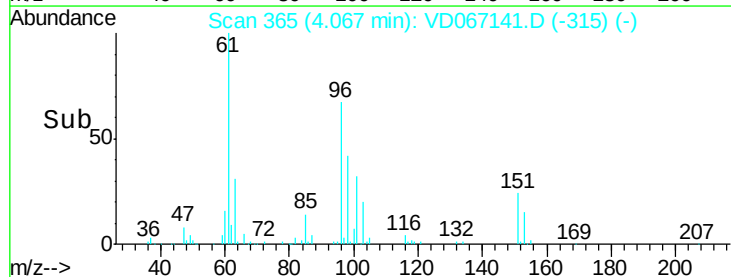
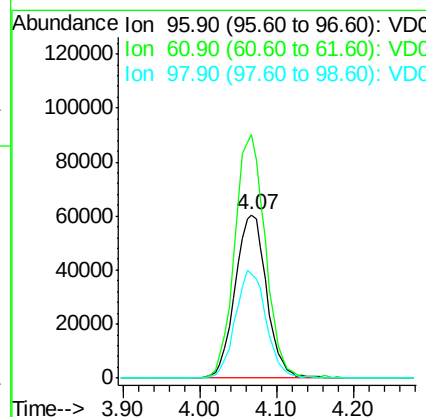
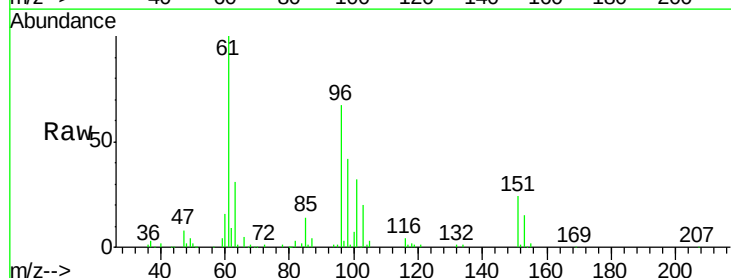
MMDadoda
 10/8/2020 5:39:27 PM

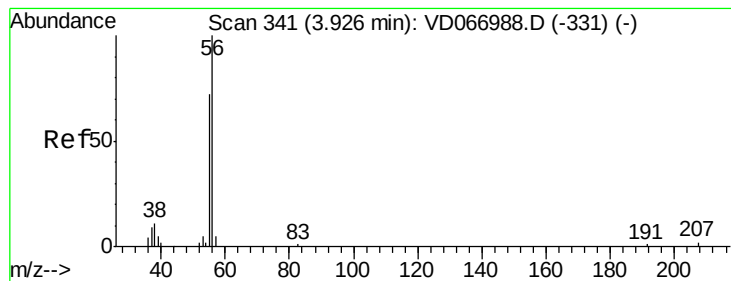


#12

1,1-Dichloroethene
 Concen: 47.546 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Tgt Ion	96	Resp	172618
Ion Ratio	100	Lower	Upper
61	149.4	116.4	174.6
98	63.5	49.9	74.9





#13

Acrolein

Concen: 264.124 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 65606

Ion Ratio Lower Upper

56 100

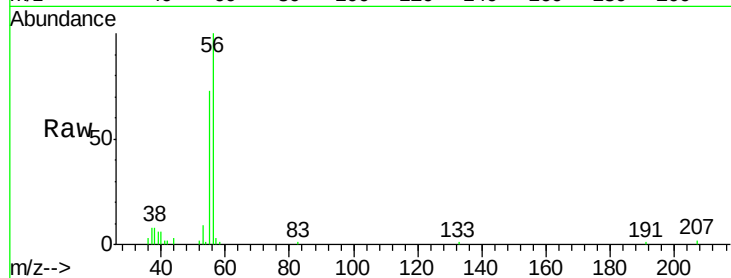
55 68.9 56.9 85.3

Manual Integrations

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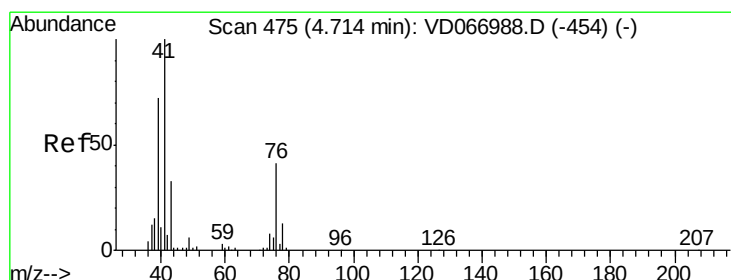
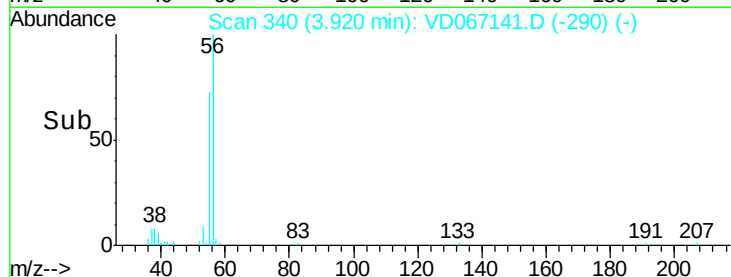
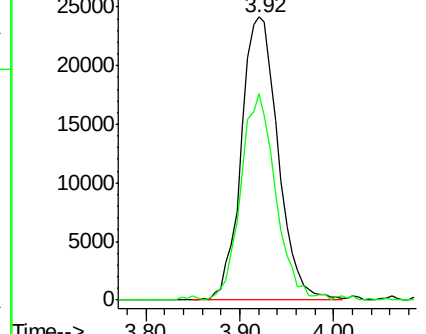
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 43.474 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

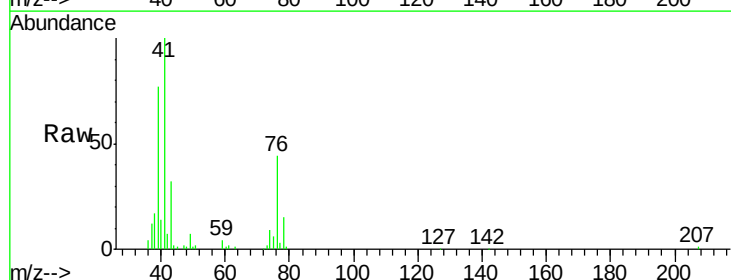
Tgt Ion: 41 Resp: 205038

Ion Ratio Lower Upper

41 100

39 75.5 56.2 84.2

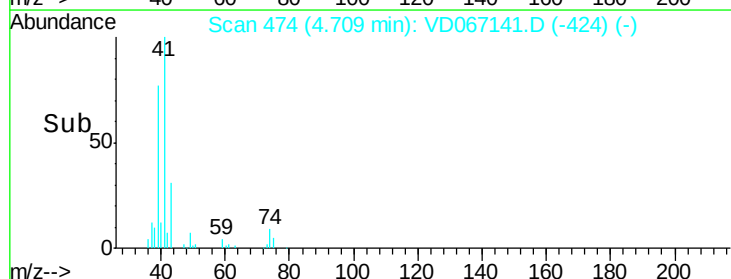
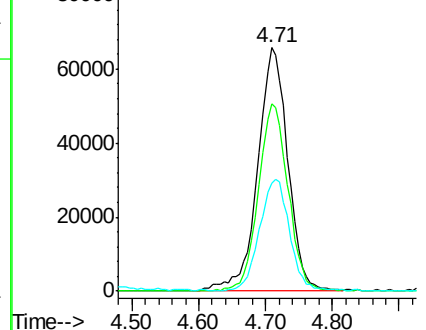
76 45.8 34.2 51.2

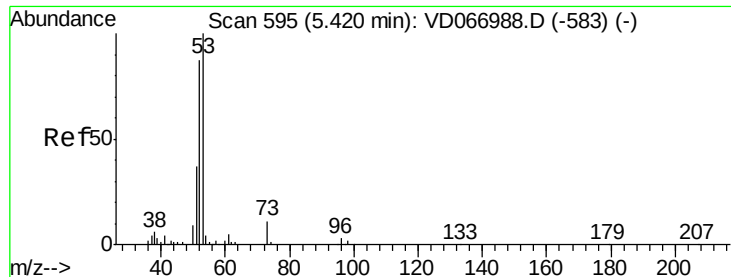


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 226.066 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

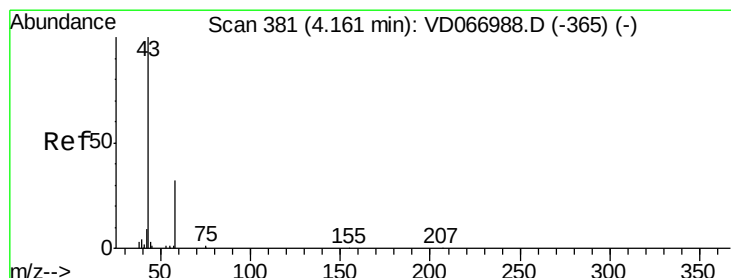
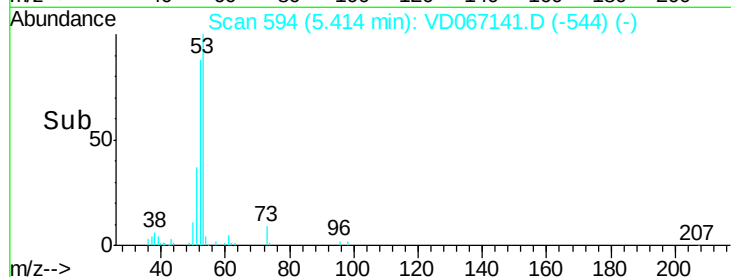
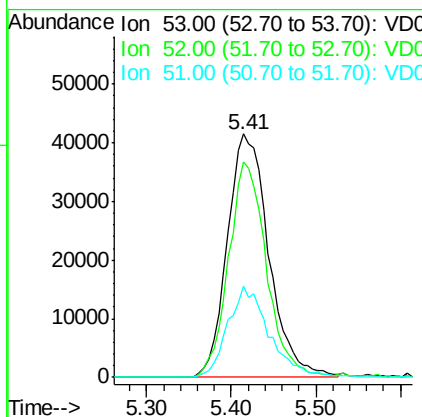
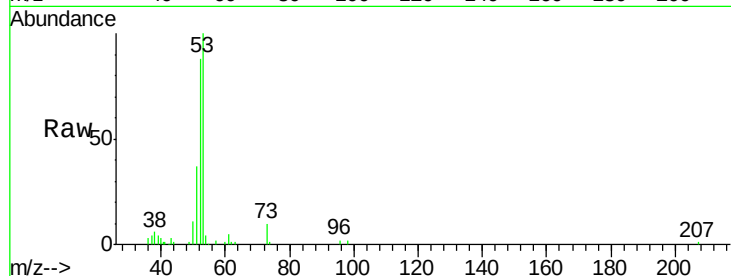
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	140976
Ion	Ratio	Lower	Upper
53	100		
52	80.8	67.3	100.9
51	37.2	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 283.862 ug/l

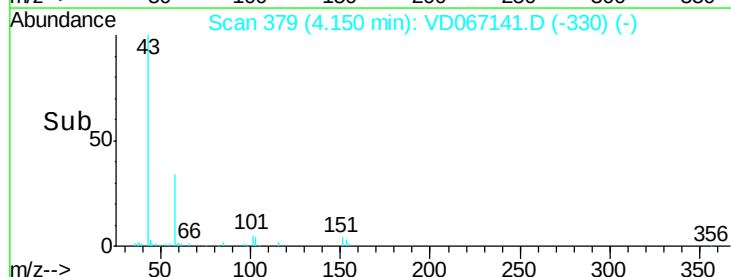
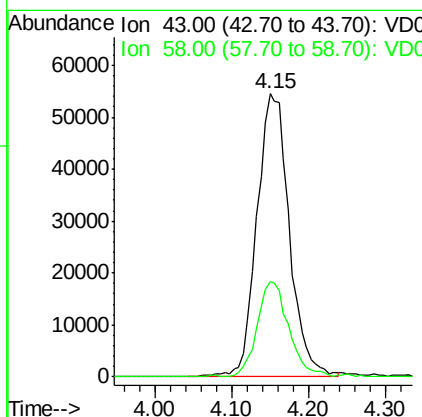
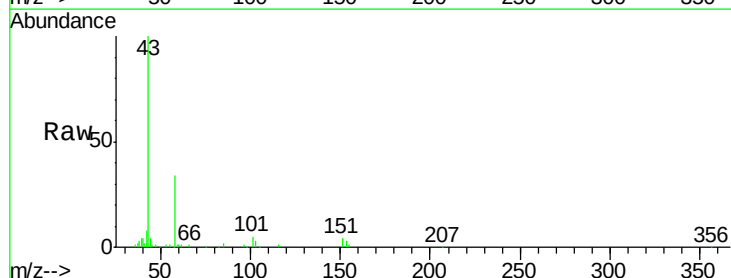
RT: 4.15 min Scan# 379

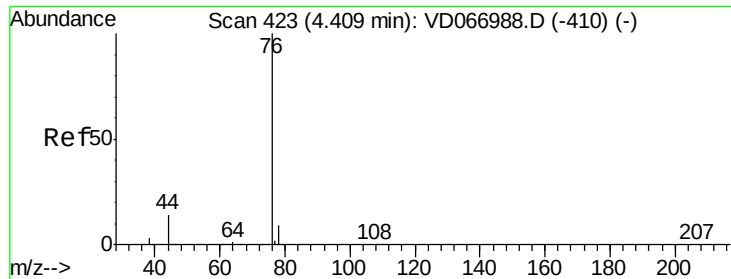
Delta R.T. -0.01 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Tgt Ion:	43	Resp:	160742
Ion	Ratio	Lower	Upper
43	100		
58	33.6	25.9	38.9





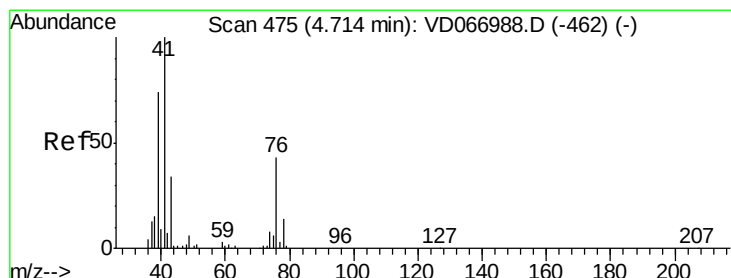
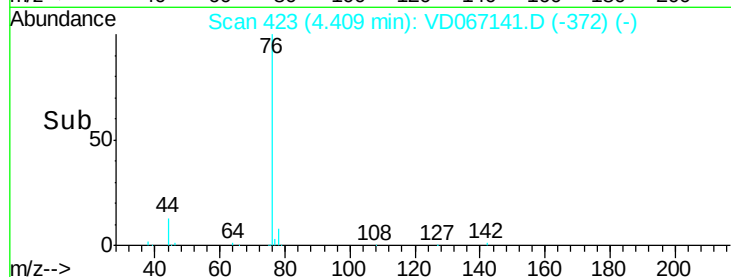
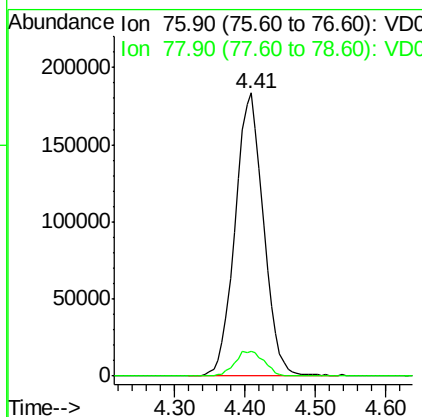
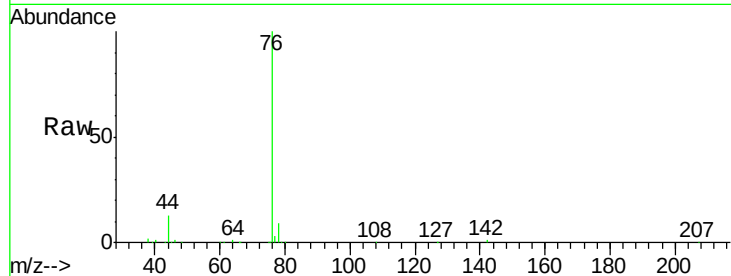
#17
Carbon Disulfide
Concen: 46.097 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

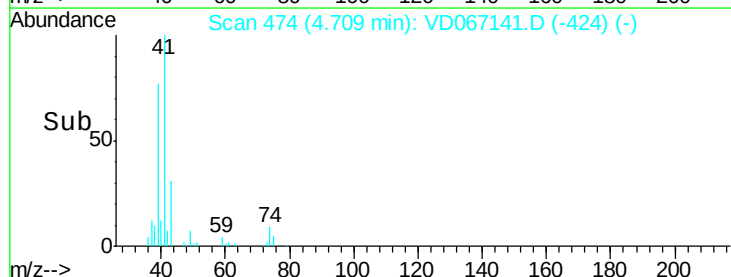
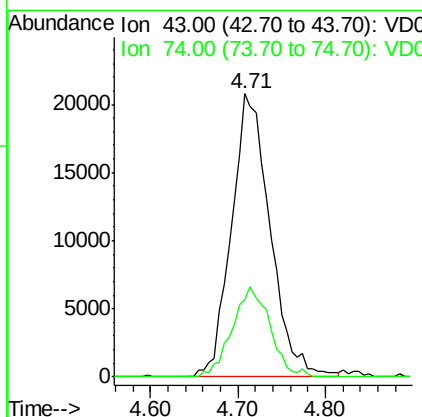
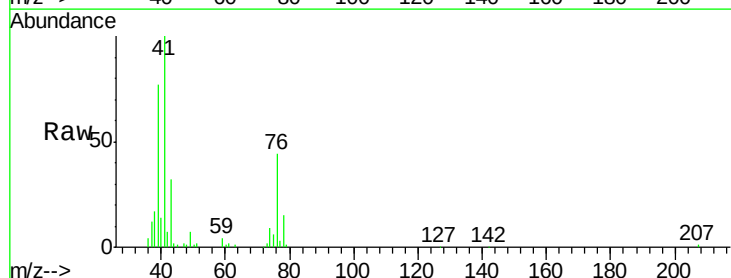
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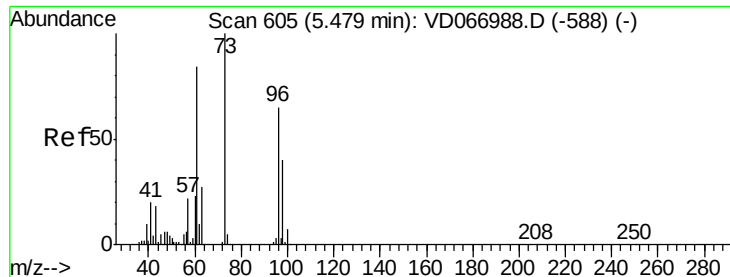
MMDadoda
10/8/2020 5:39:27 PM



#18
Methyl Acetate
Concen: 43.845 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.0	21.5	32.3





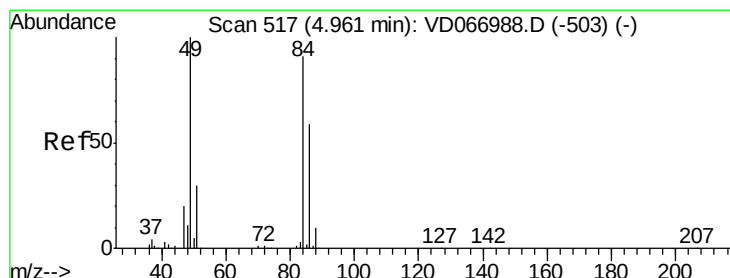
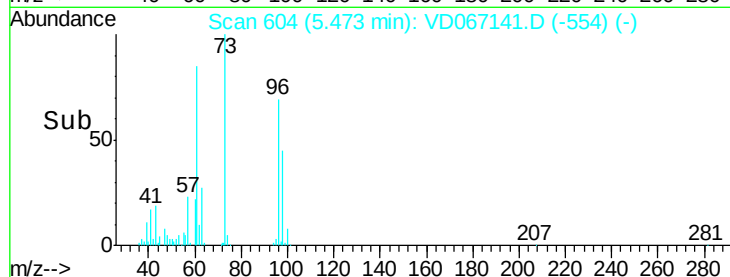
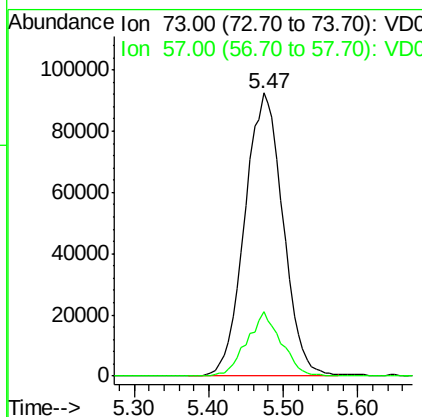
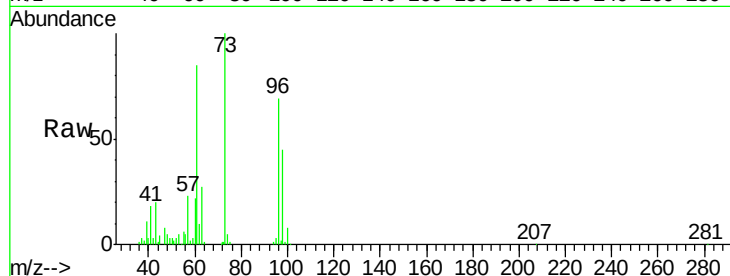
#19
Methyl tert-butyl Ether
Concen: 49.689 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 329319
Ion Ratio Lower Upper
73 100
57 22.7 17.4 26.0

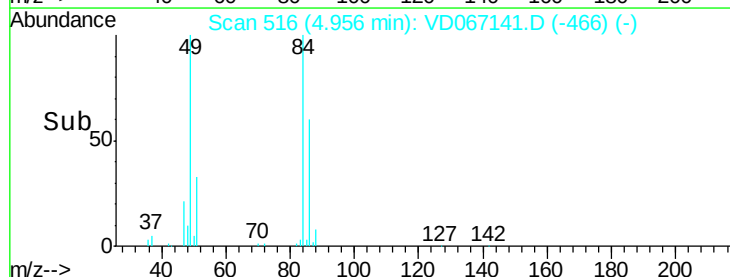
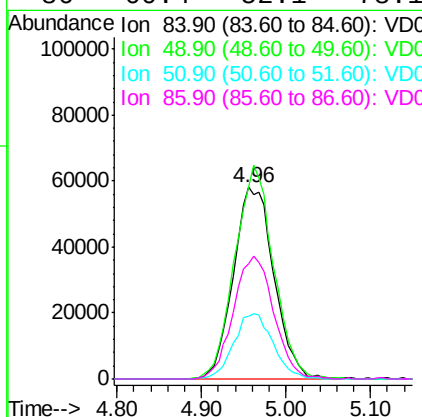
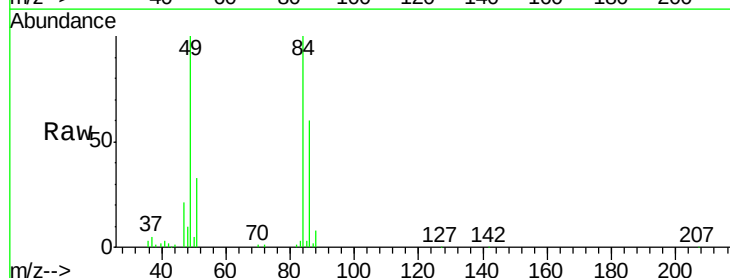
Manual Integrations
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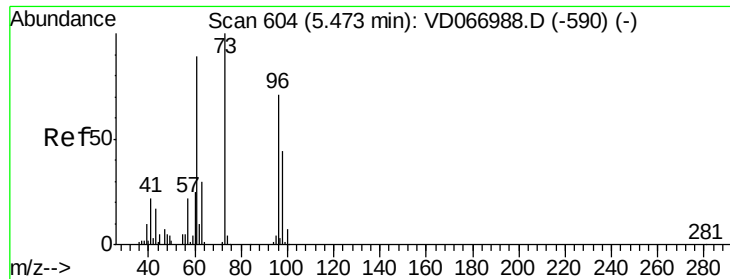
MMDadoda
10/8/2020 5:39:27 PM



#20
Methylene Chloride
Concen: 47.834 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion: 84 Resp: 193483
Ion Ratio Lower Upper
84 100
49 99.7 88.2 132.2
51 32.5 26.6 39.8
86 60.4 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 48.595 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

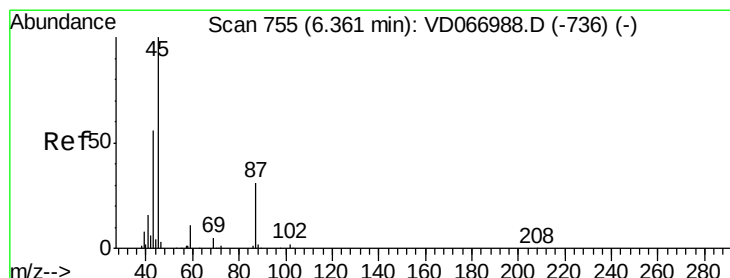
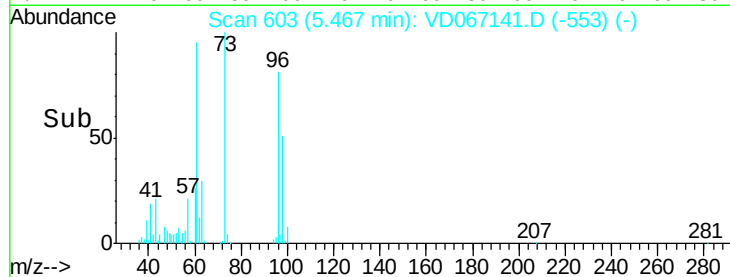
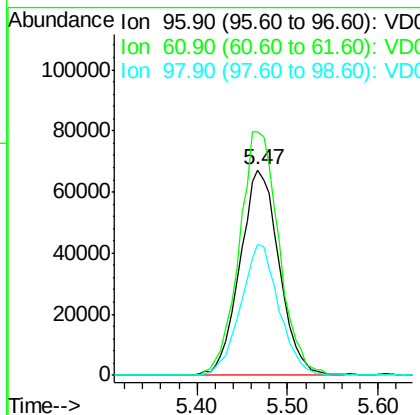
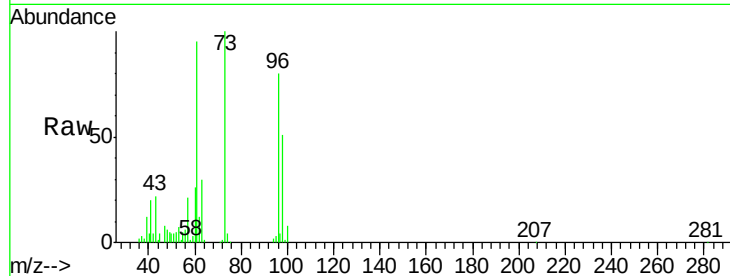
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	200778
Ion	Ratio	Lower	Upper
96	100		
61	118.3	99.6	149.4
98	63.7	49.4	74.2

Manual Integrations
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10/8/2020 5:39:27 PM



#22

Diisopropyl ether

Concen: 44.555 ug/l

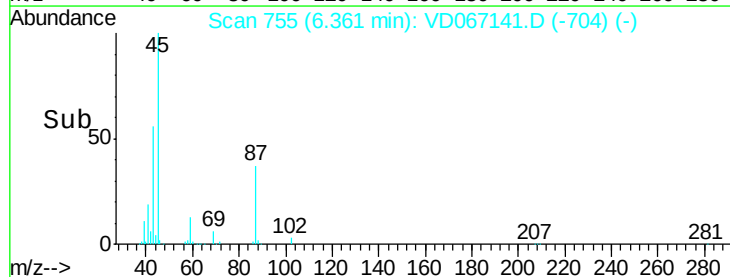
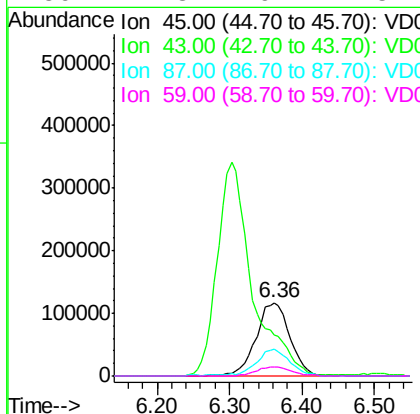
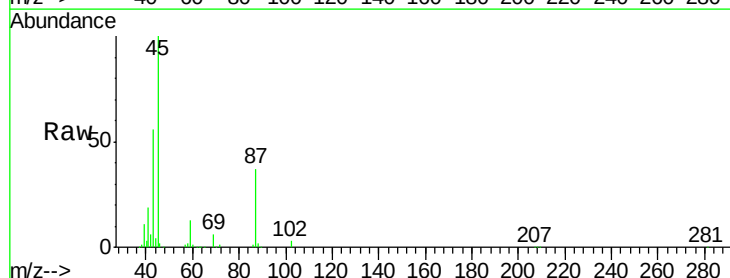
RT: 6.36 min Scan# 755

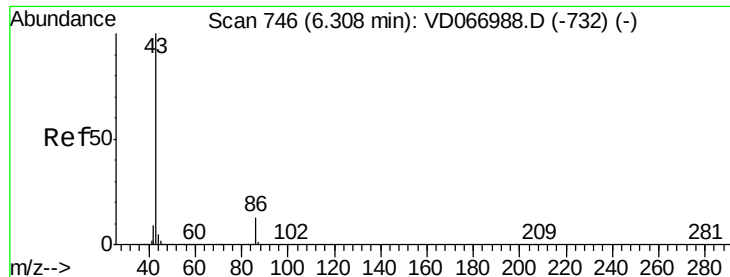
Delta R.T. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Tgt Ion:	45	Resp:	383634
Ion	Ratio	Lower	Upper
45	100		
43	54.5	45.2	67.8
87	36.7	25.6	38.4
59	12.3	9.1	13.7





#23

Vinyl Acetate

Concen: 236.165 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1152300

Ion Ratio Lower Upper

43 100

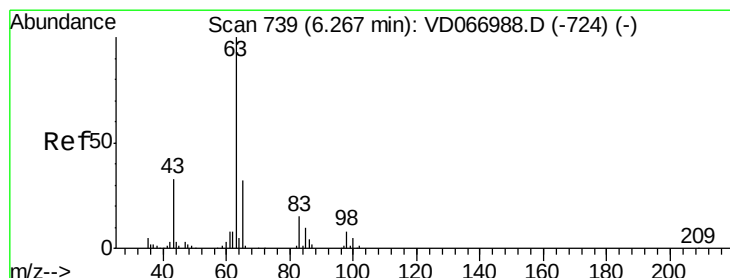
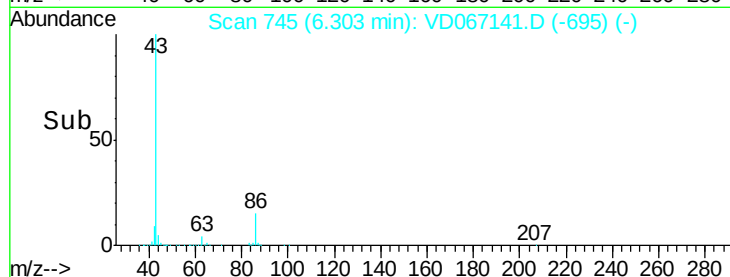
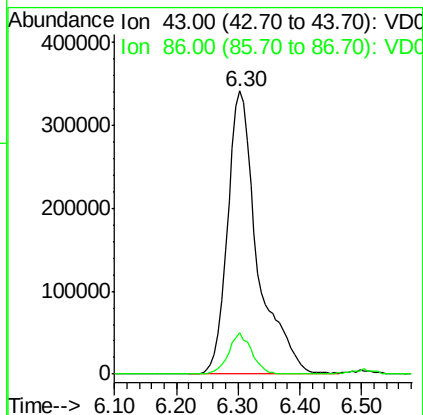
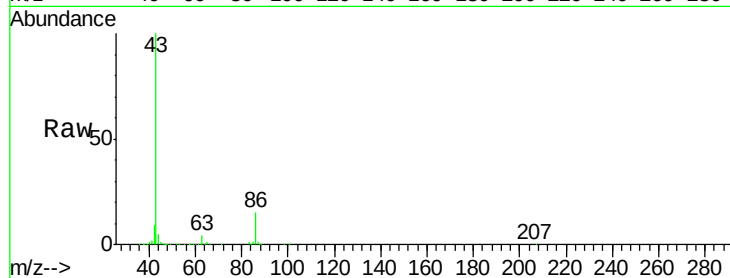
86 14.7 10.2 15.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 45.948 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

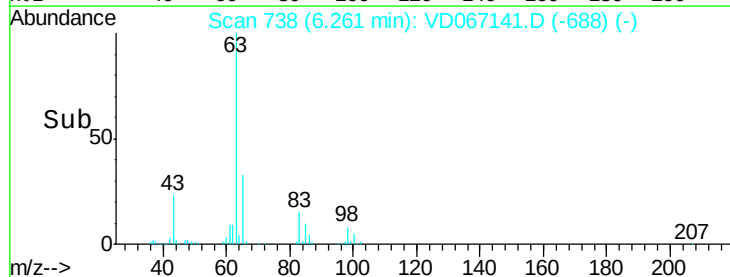
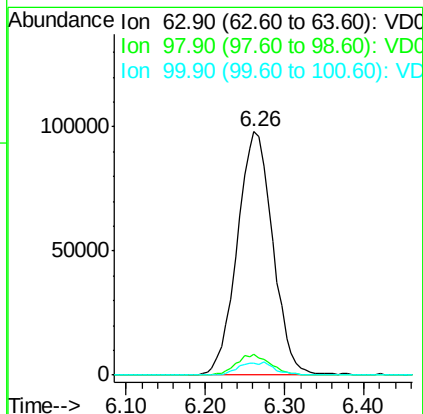
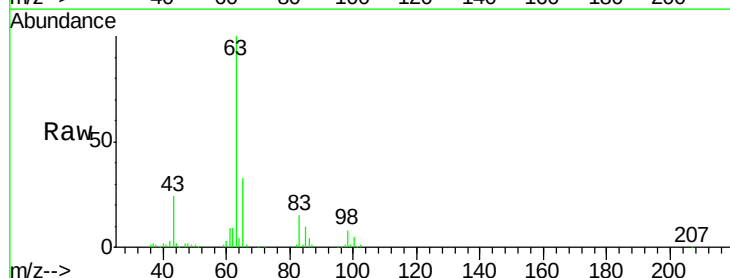
Tgt Ion: 63 Resp: 305327

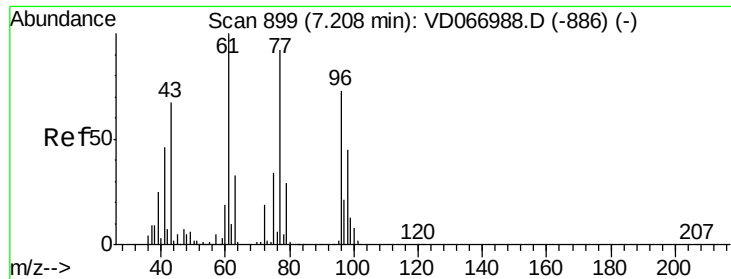
Ion Ratio Lower Upper

63 100

98 8.4 4.2 12.6

100 4.8 2.6 7.8





#25

2-Butanone

Concen: 213.902 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 171728

Ion Ratio Lower Upper

43 100

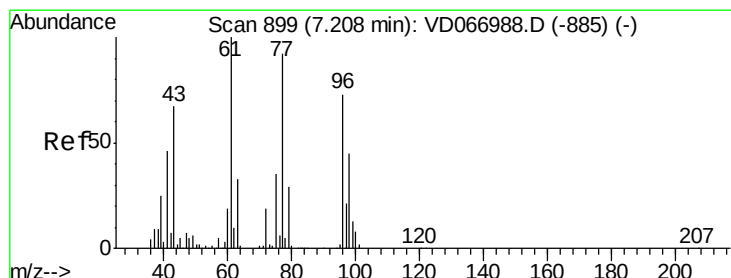
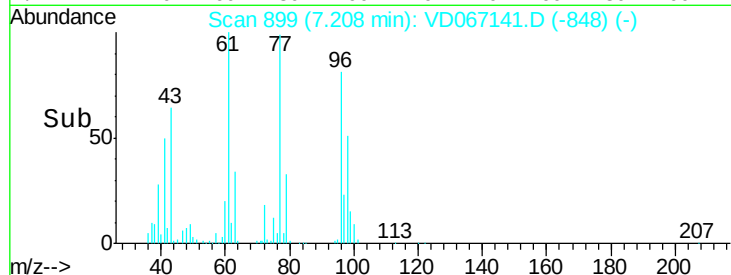
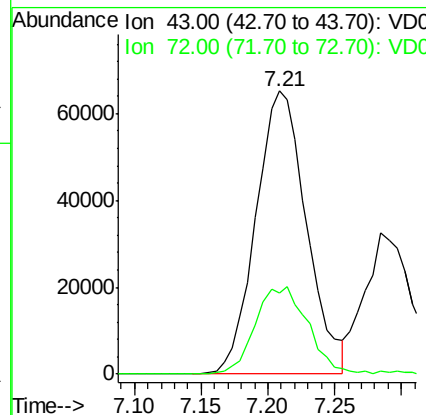
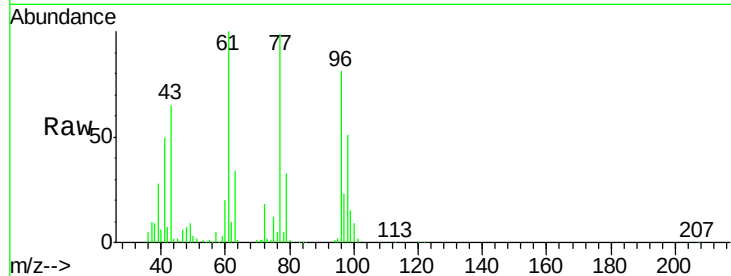
72 28.6 22.8 34.2

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 52.882 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067141.D

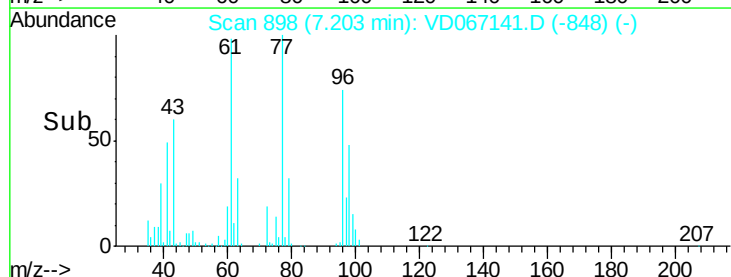
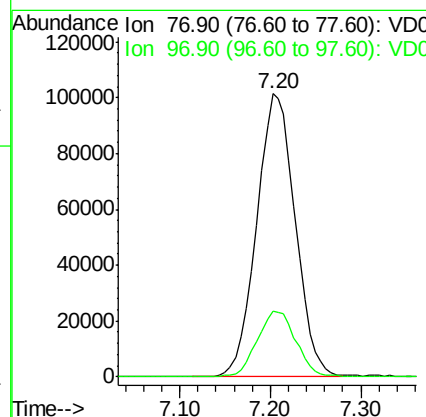
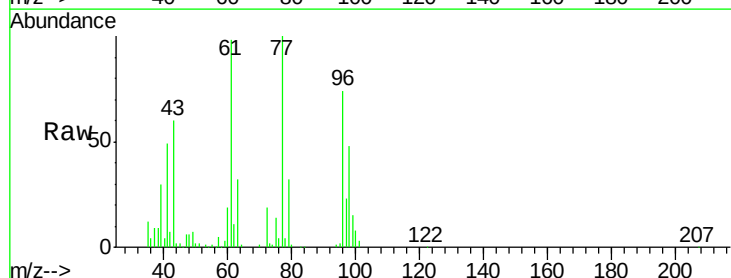
Acq: 07 Oct 2020 09:57

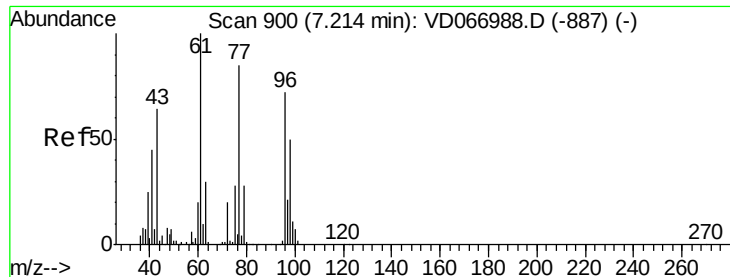
Tgt Ion: 77 Resp: 299133

Ion Ratio Lower Upper

77 100

97 23.4 11.4 34.2





#27

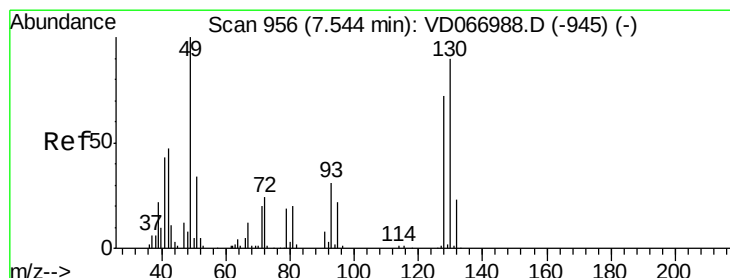
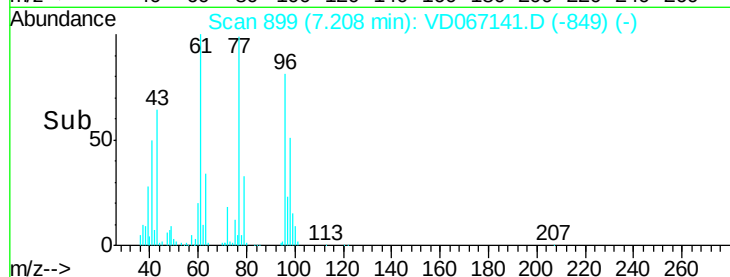
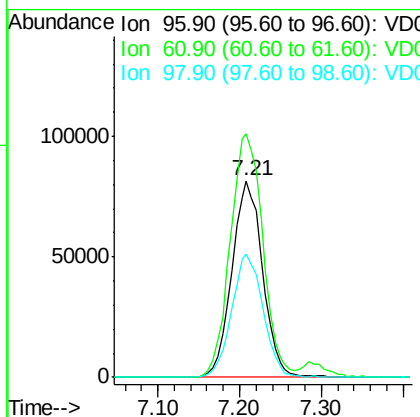
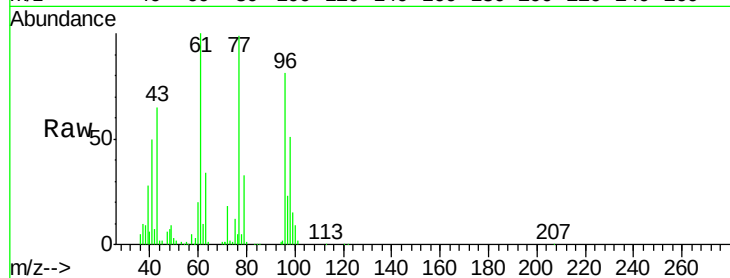
cis-1,2-Dichloroethene
Concen: 48.307 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	213162		
61	131.4	0.0	269.2	
98	63.7	0.0	129.4	

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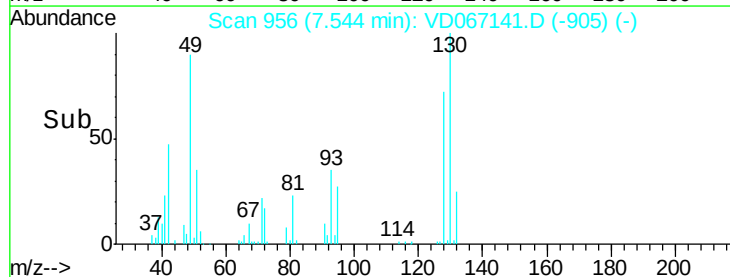
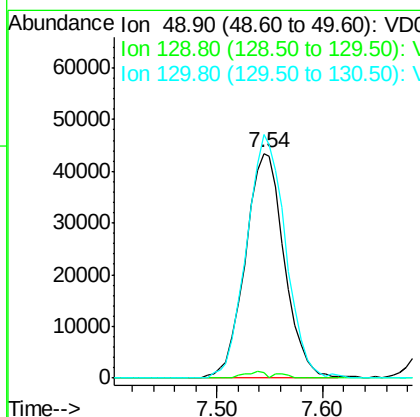
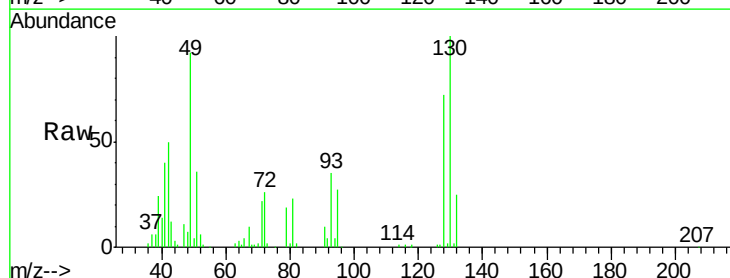
MMDadoda
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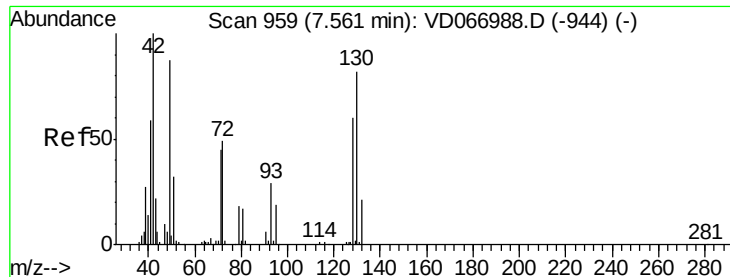


#28

Bromochloromethane
Concen: 43.405 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	111388		
129	1.5	0.0	4.6	
130	108.4	74.1	111.1	





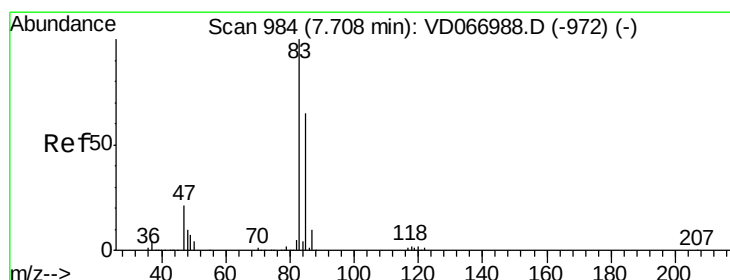
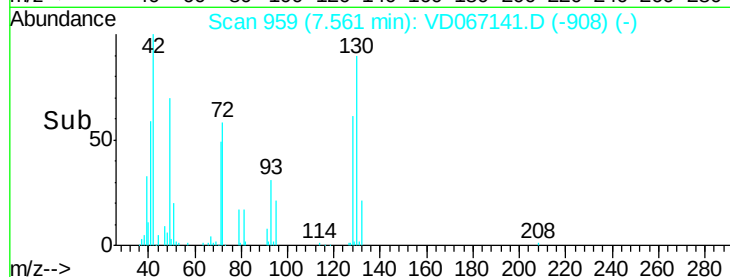
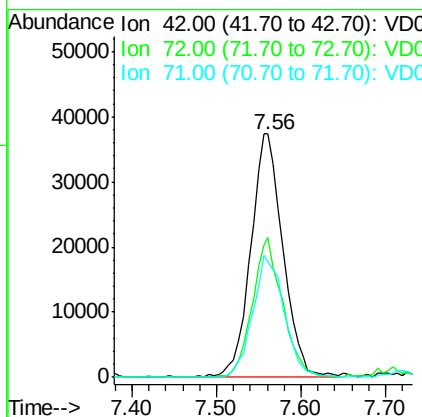
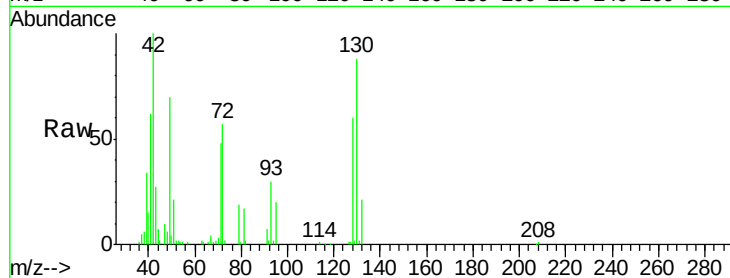
#29
Tetrahydrofuran
Concen: 215.307 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.6	39.1	58.7
71	48.9	34.2	51.4

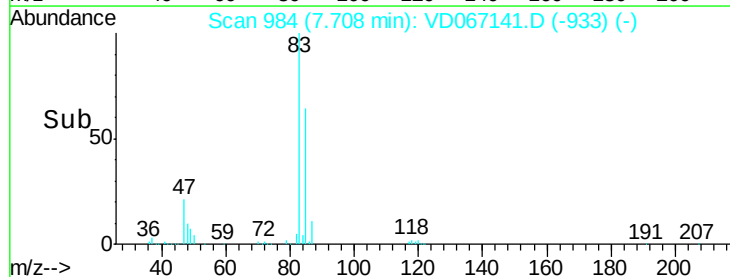
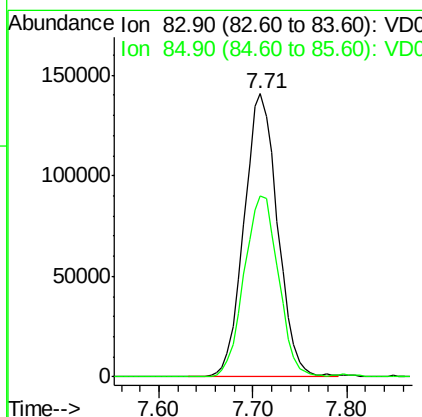
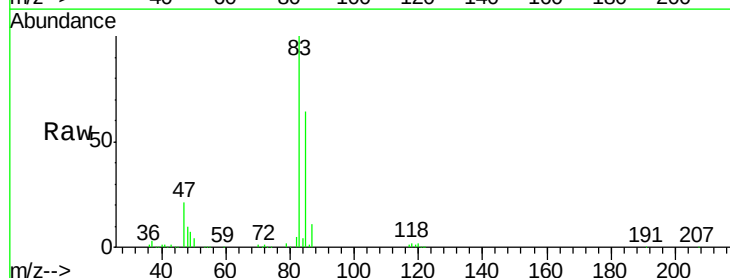
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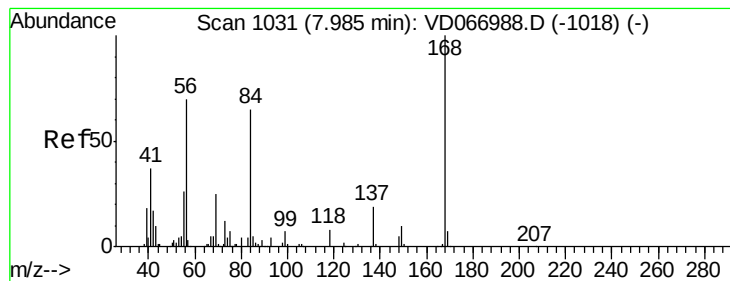
MMDadoda
10/8/2020 5:39:27 PM



#30
Chloroform
Concen: 48.265 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.3	78.5





#31

Cyclohexane

Concen: 44.892 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

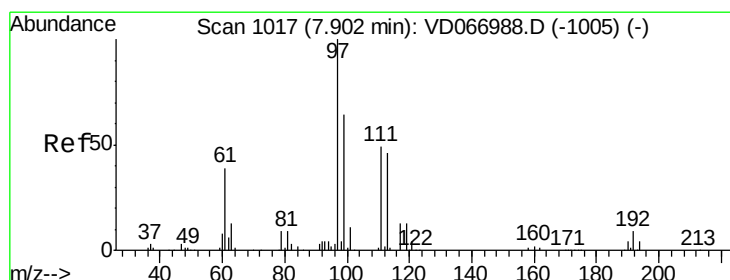
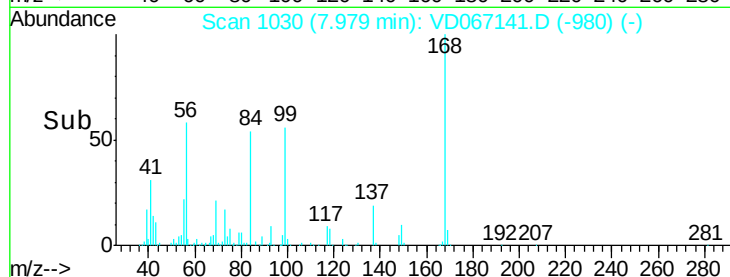
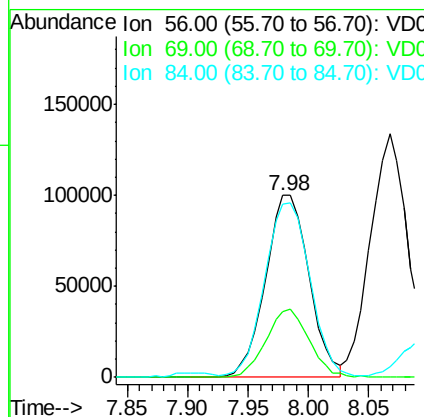
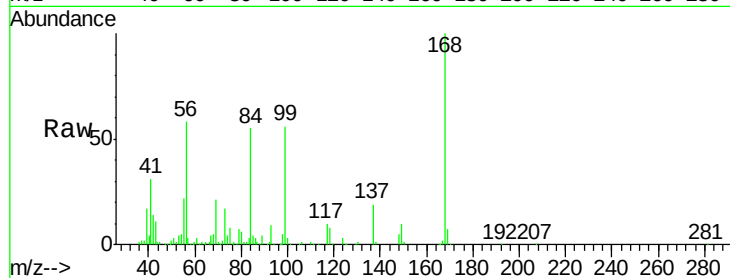
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	250094
Ion	Ratio	Lower	Upper
56	100		
69	36.4	29.0	43.6
84	93.0	74.2	111.2

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#32

1,1,1-Trichloroethane

Concen: 50.234 ug/l

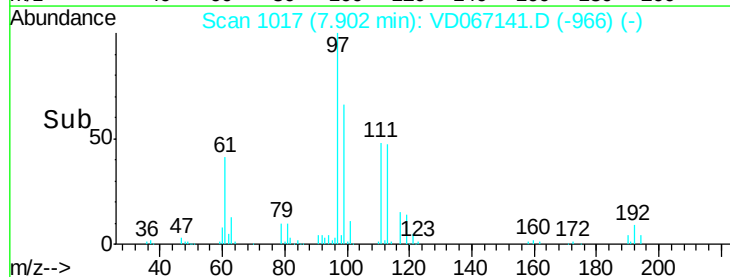
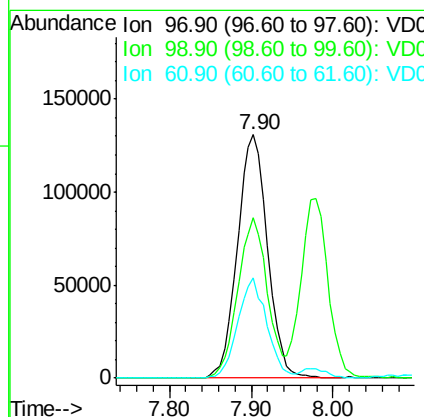
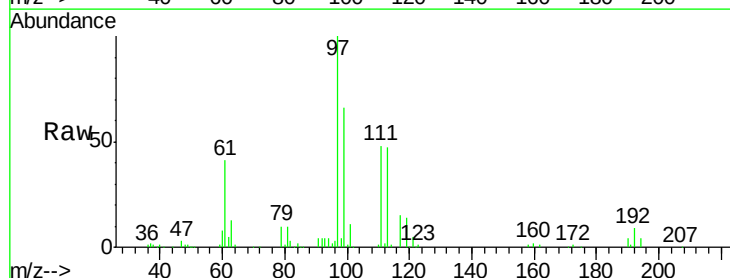
RT: 7.90 min Scan# 1017

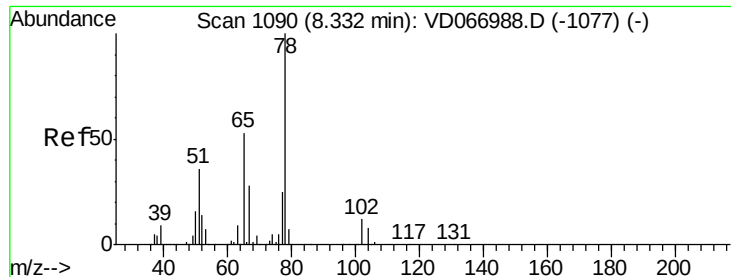
Delta R.T. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Tgt Ion:	97	Resp:	335590
Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.6	78.8
61	39.5	32.8	49.2





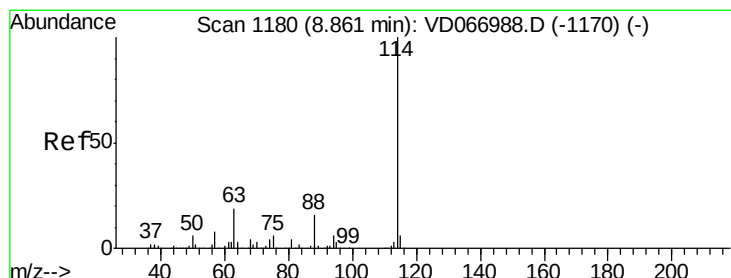
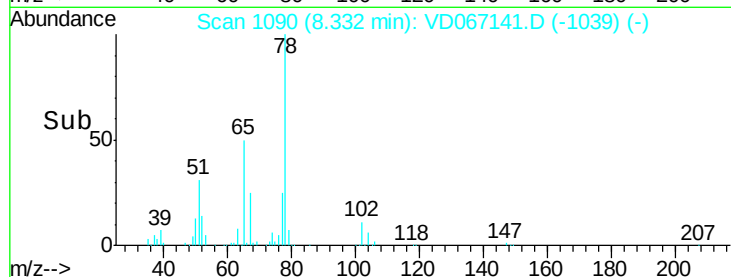
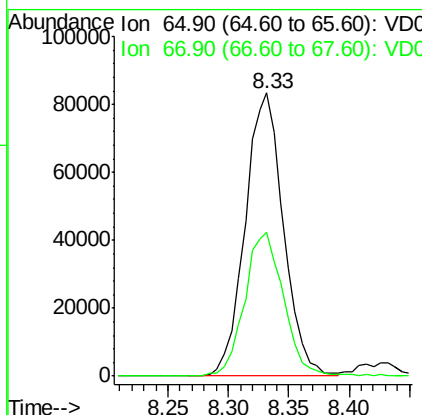
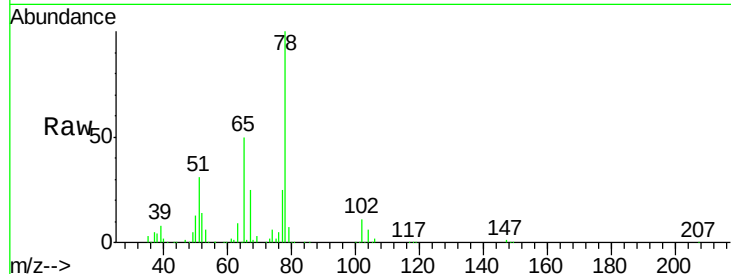
#33
 1,2-Dichloroethane-d4
 Concen: 49.649 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	184175		
67	51.4	0.0	106.8	

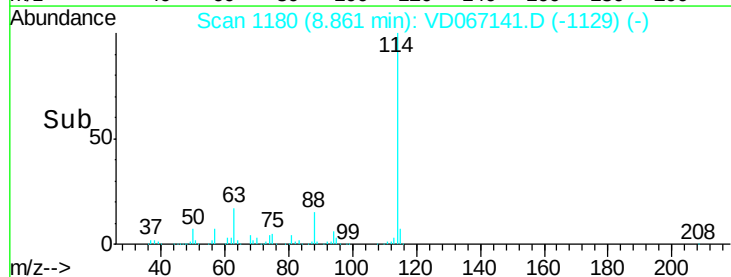
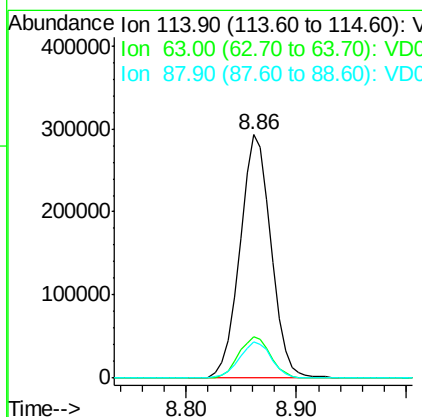
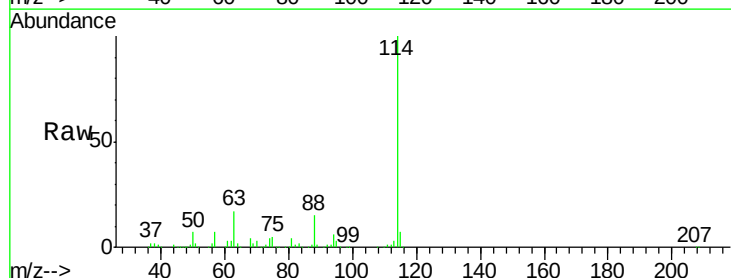
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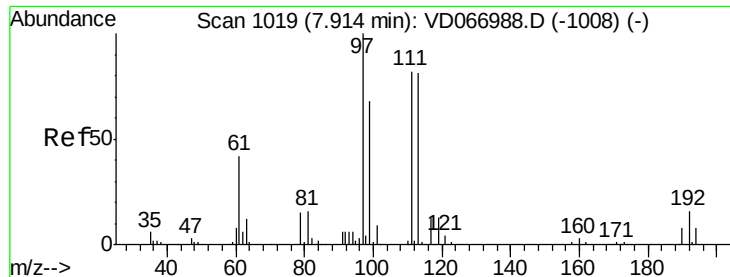
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	581890		
63	17.2	0.0	38.4	
88	15.0	0.0	31.2	





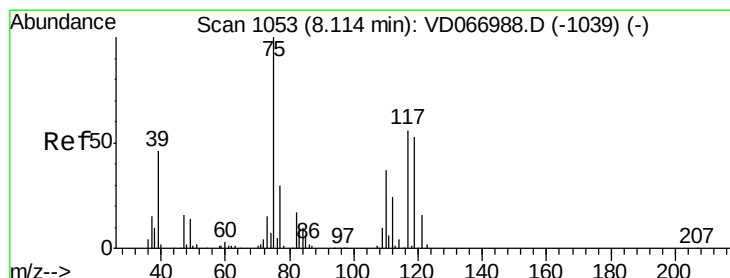
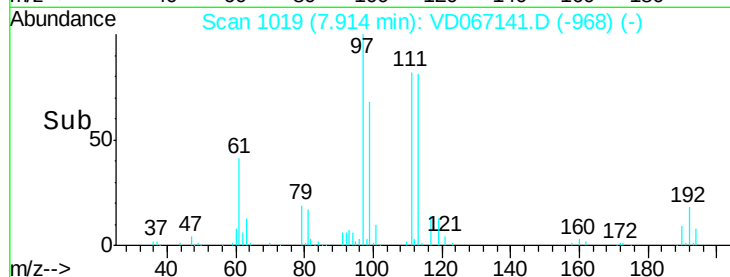
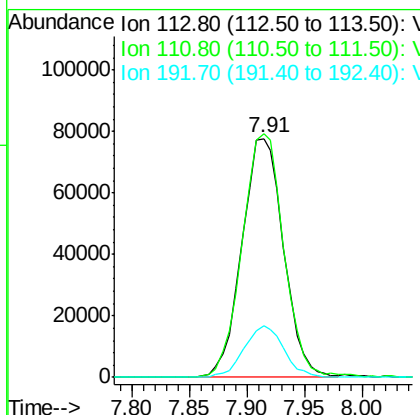
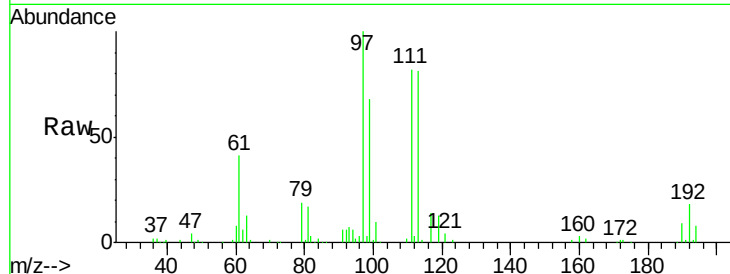
#35
 Dibromofluoromethane
 Concen: 51.174 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	194948		
111	102.2	83.0	124.4	
192	20.6	15.5	23.3	

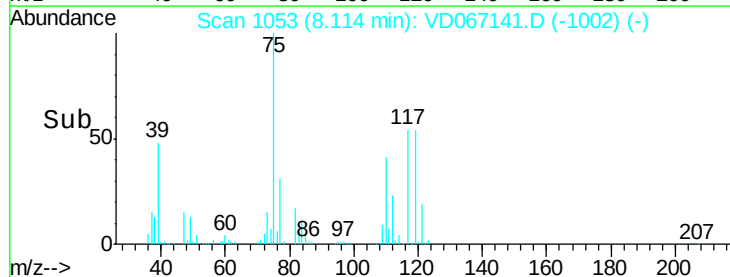
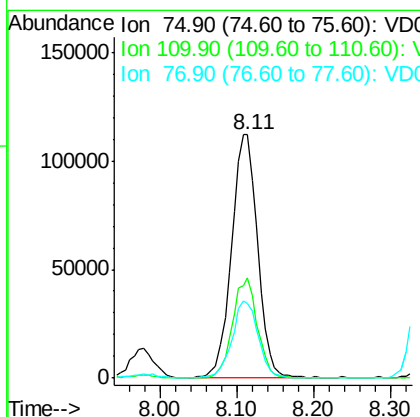
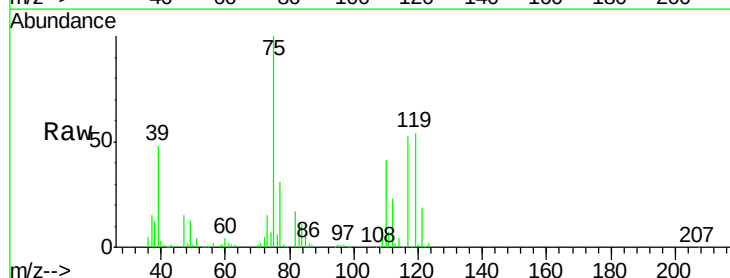
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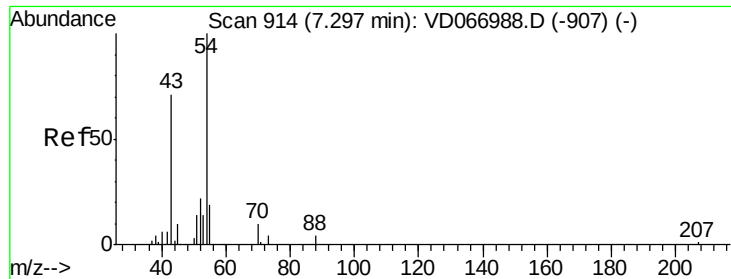
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 48.857 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	264996		
110	39.2	18.4	55.0	
77	32.0	24.8	37.2	





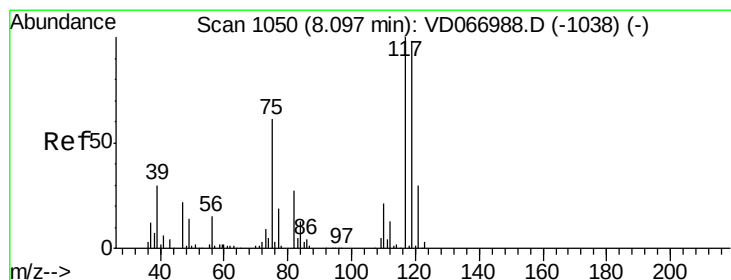
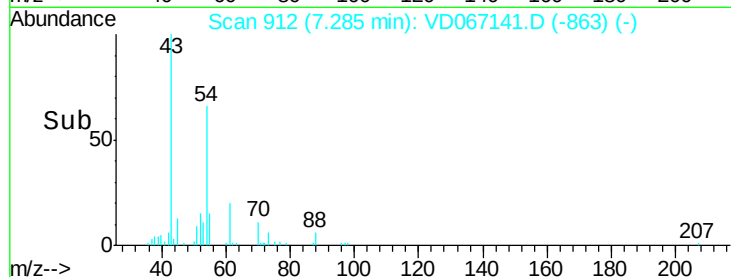
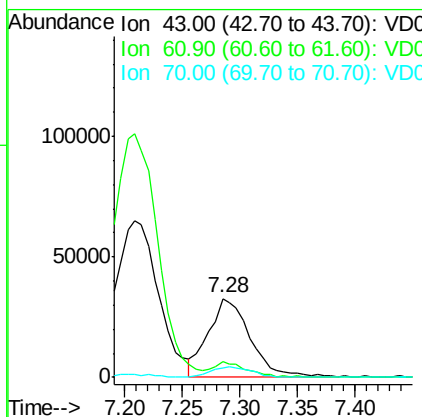
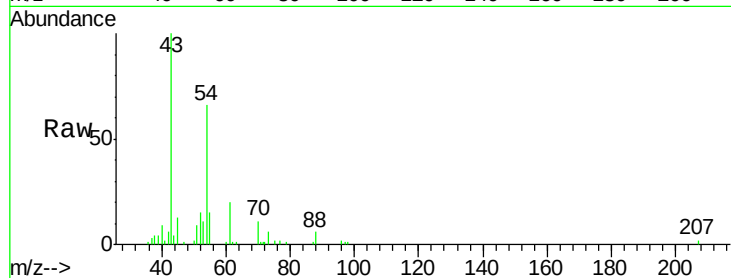
#37
Ethyl Acetate
Concen: 43.299 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.5	18.7
70	12.9	9.4	14.0

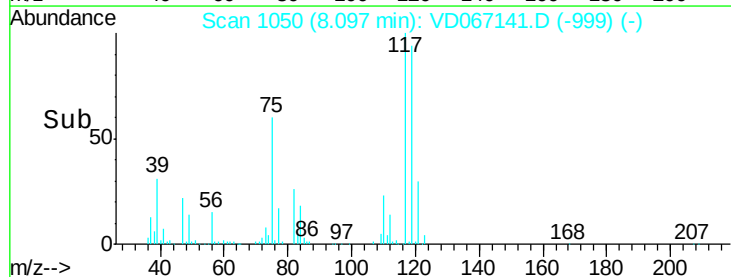
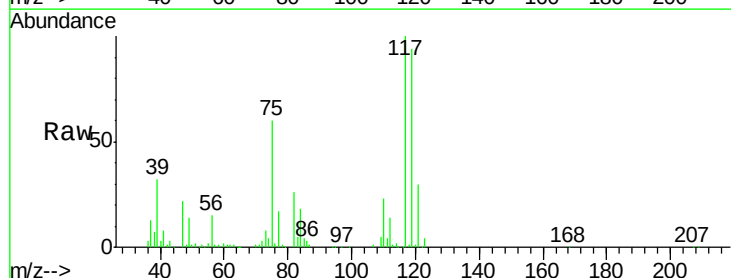
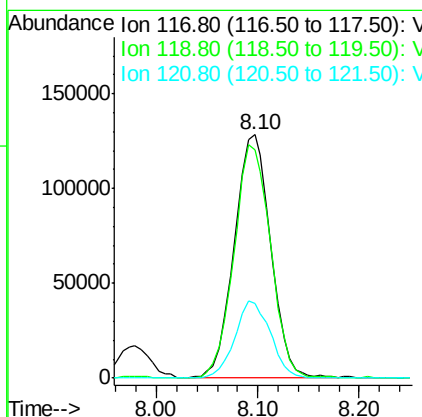
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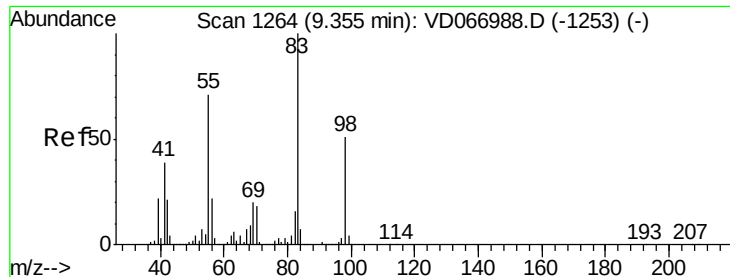
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#38
Carbon Tetrachloride
Concen: 54.506 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.7	118.1
121	30.5	24.2	36.2





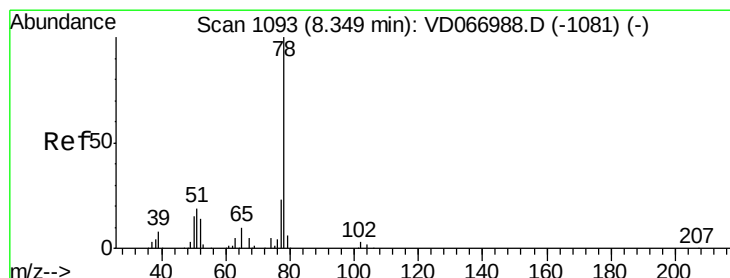
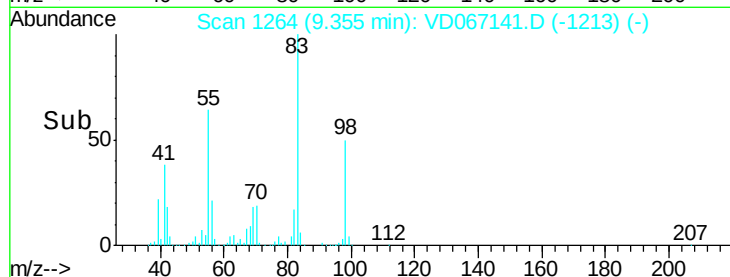
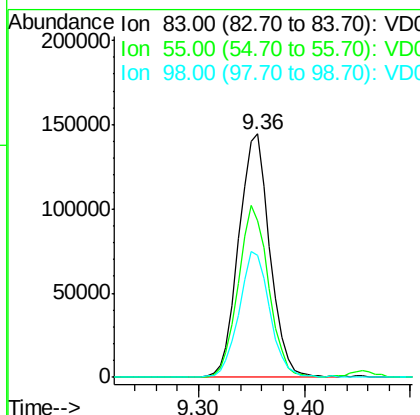
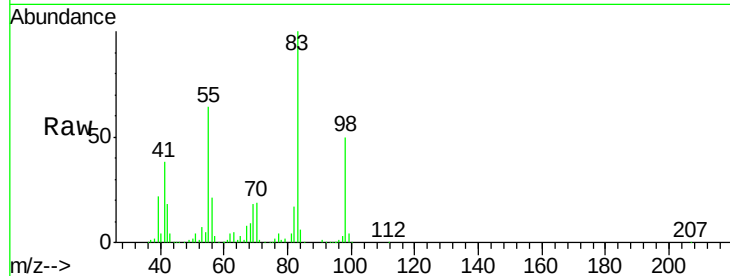
#39
Methylvlcyclohexane
Concen: 51.411 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.3	57.1	85.7
98	50.2	40.9	61.3

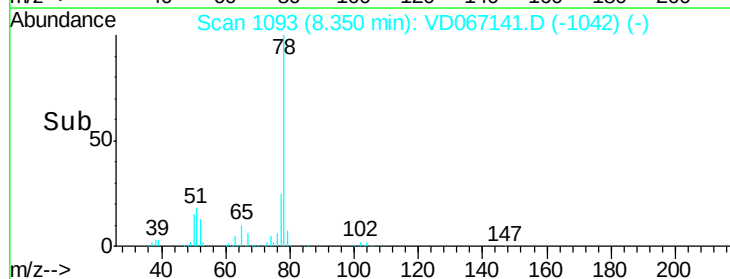
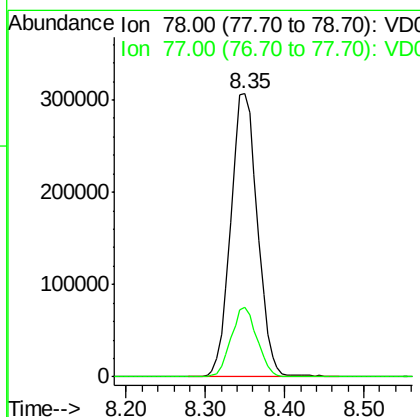
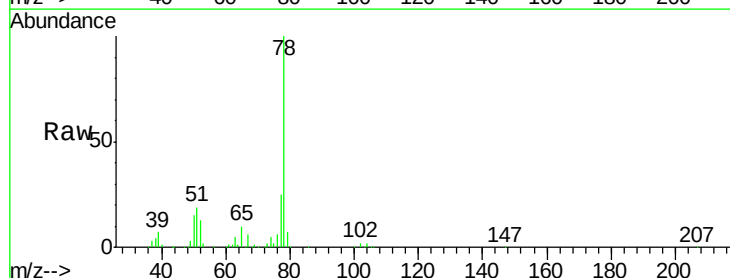
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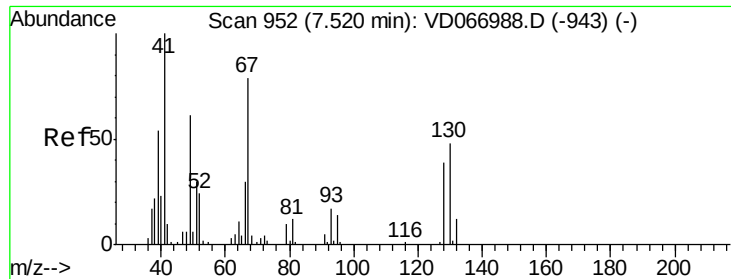
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#40
Benzene
Concen: 47.793 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.4	27.6





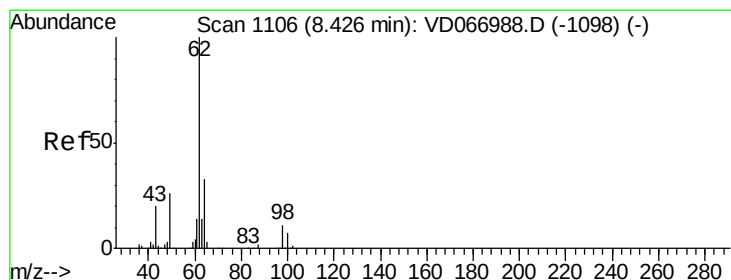
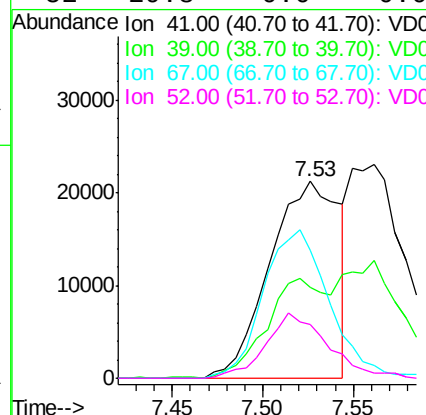
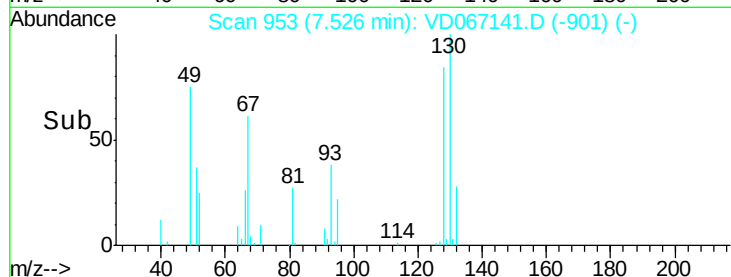
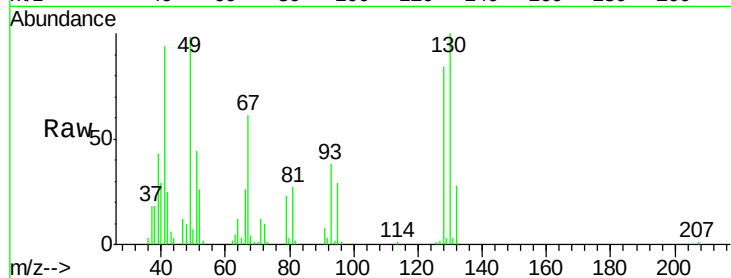
#41
Methacrylonitrile
Concen: 55.730 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.01 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	45.1	0.0	0.0#		
67	72.0	0.0	0.0#		
52	29.8	0.0	0.0#		

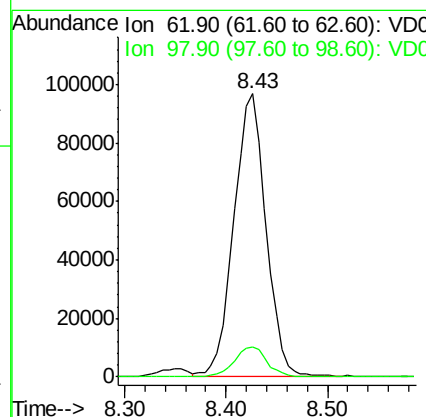
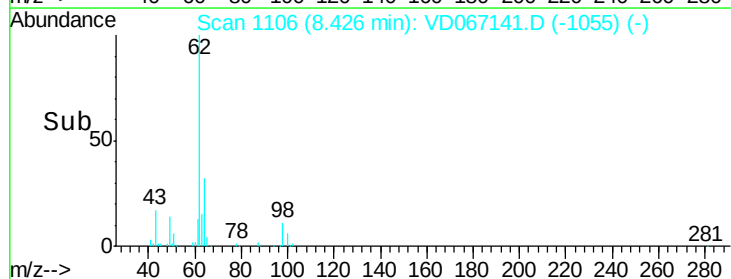
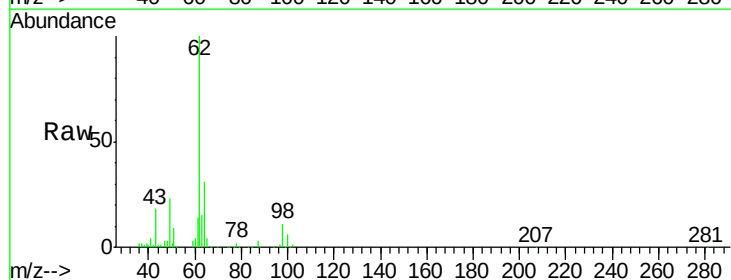
Manual Integrations
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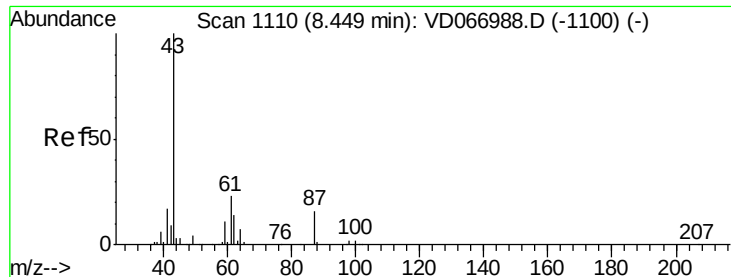
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.371 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.8	0.0	22.6		





#43

Isopropyl Acetate

Concen: 45.446 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

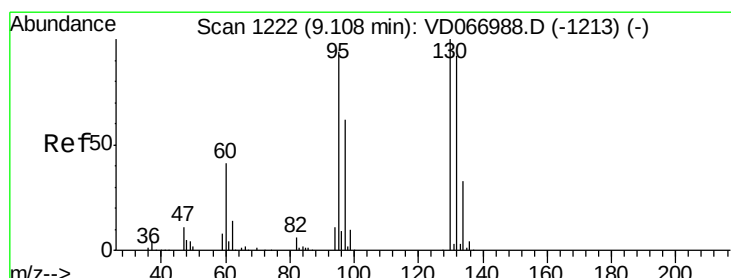
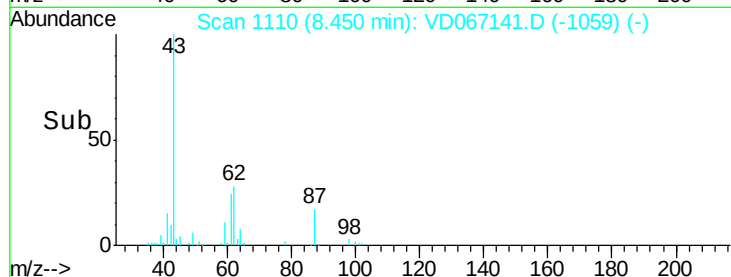
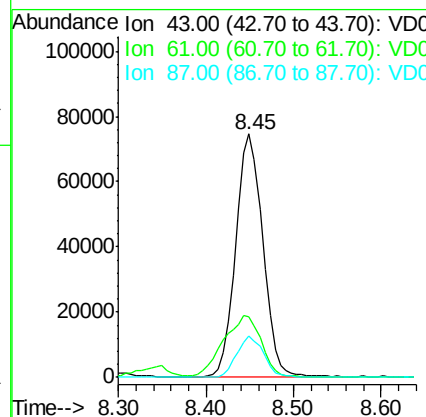
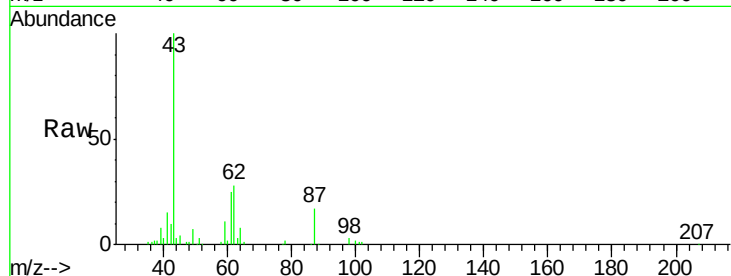
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	157309
Ion	Ratio	Lower	Upper
43	100		
61	35.5	27.1	40.7
87	16.8	12.3	18.5

Manual Integrations
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10/8/2020 5:39:27 PM



#44

Trichloroethene

Concen: 51.015 ug/l

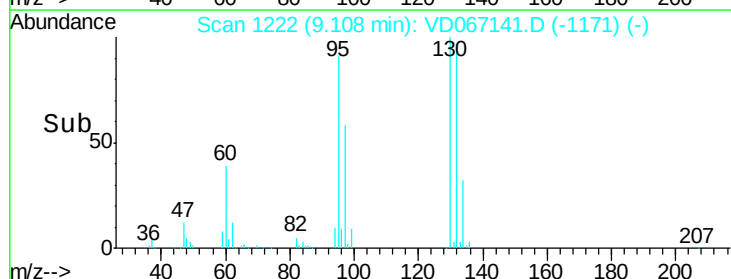
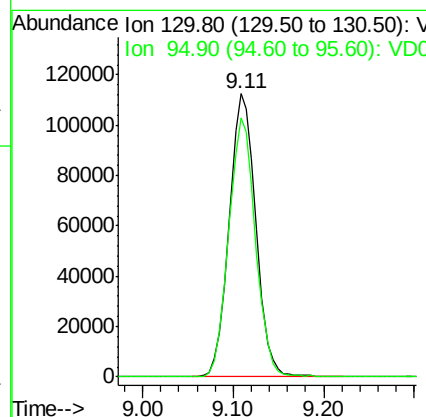
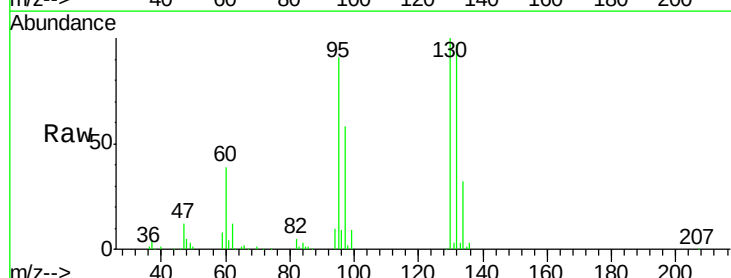
RT: 9.11 min Scan# 1222

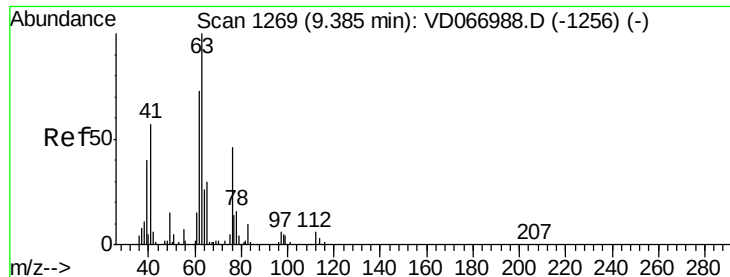
Delta R.T. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Tgt Ion:	130	Resp:	229493
Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	187.8





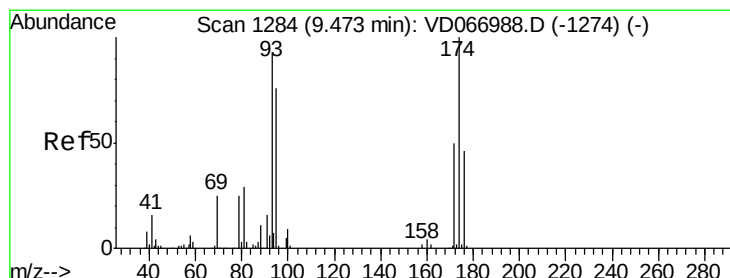
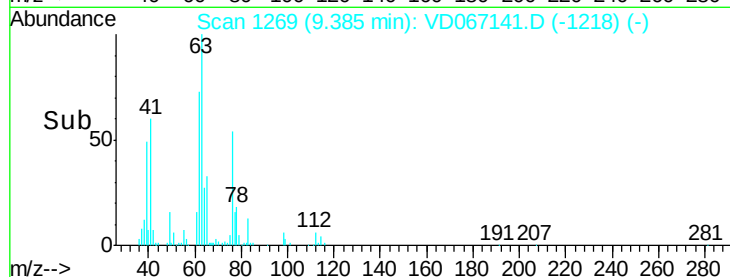
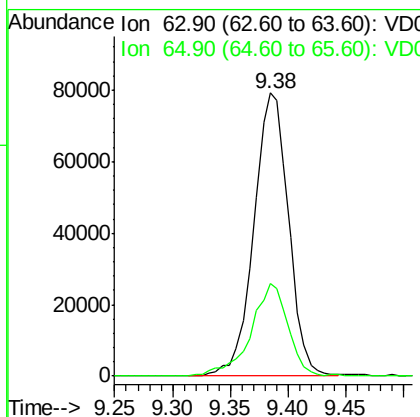
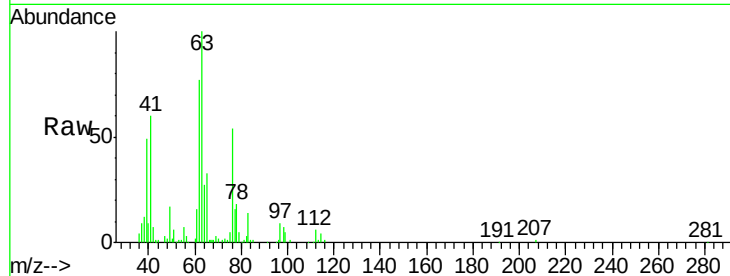
#45
 1,2-Dichloropropane
 Concen: 46.924 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	63	Resp	166098
Ion Ratio	Lower	Upper	
63	100		
65	32.9	23.7	35.5

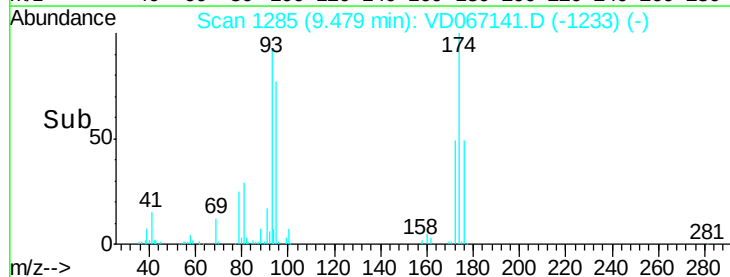
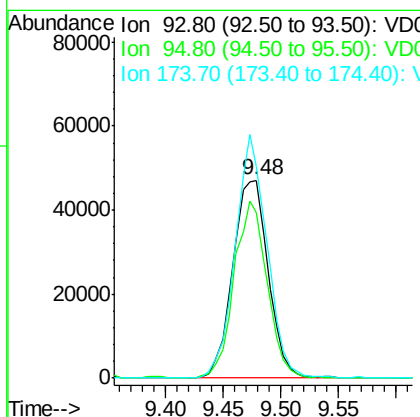
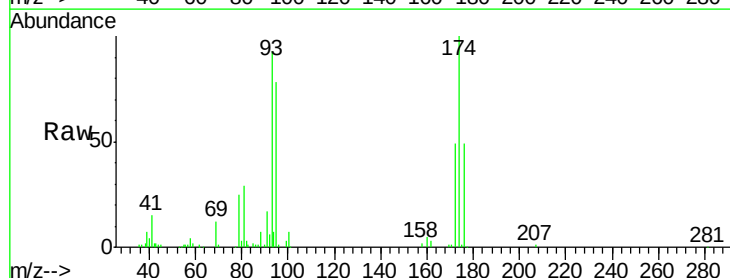
Manual Integrations
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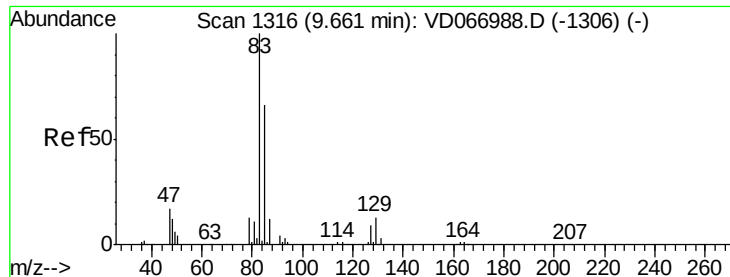
MMDadoda
 10/8/2020 5:39:27 PM



#46
 Dibromomethane
 Concen: 49.372 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Tgt Ion	93	Resp	100446
Ion Ratio	Lower	Upper	
93	100		
95	82.8	64.7	97.1
174	110.2	81.4	122.2





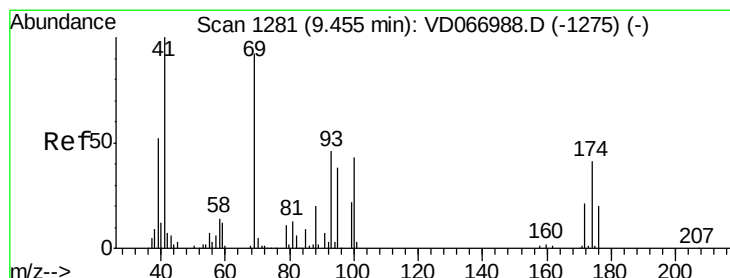
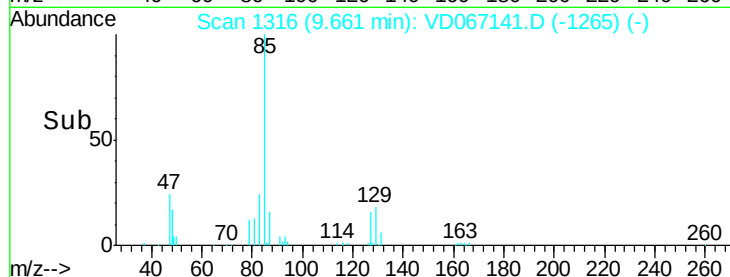
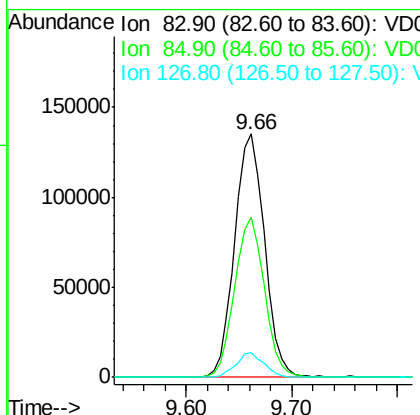
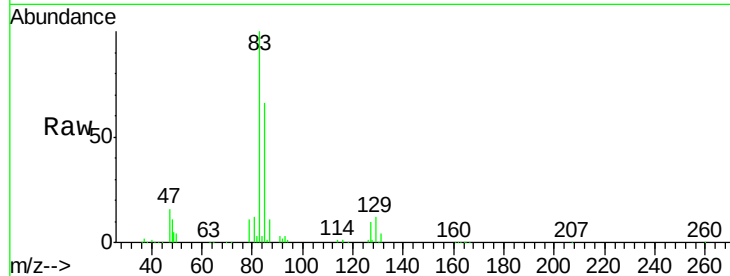
#47
Bromodichloromethane
Concen: 50.288 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.9	79.3
127	10.3	7.3	10.9

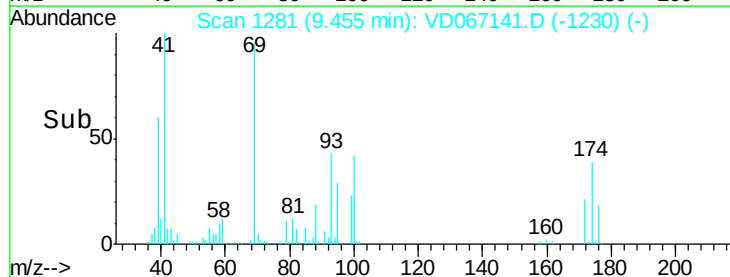
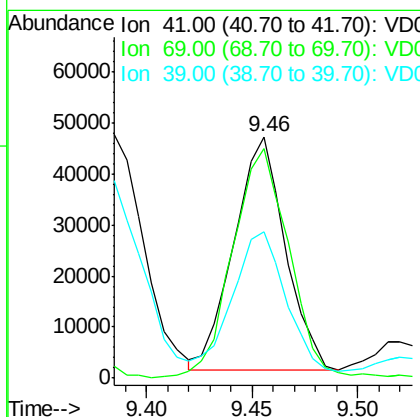
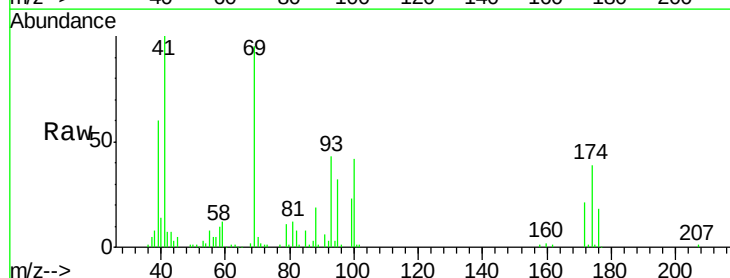
Manual Integrations
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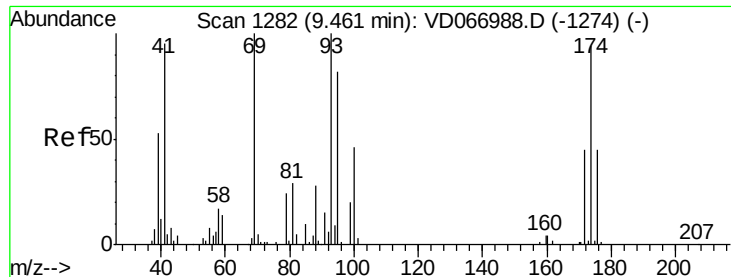
MMDadoda
10/8/2020 5:39:27 PM



#48
Methyl methacrylate
Concen: 43.521 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	107.3	68.5	102.7#
39	68.6	40.2	60.2#





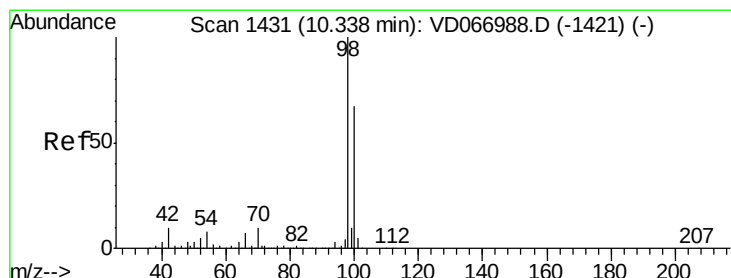
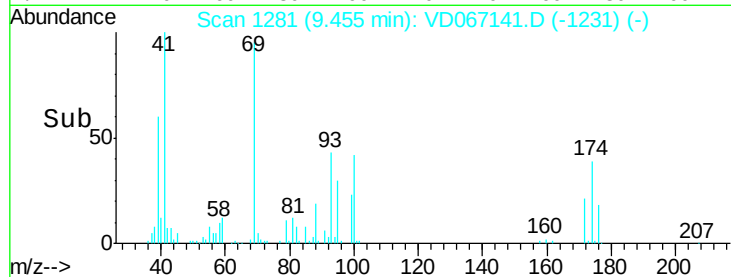
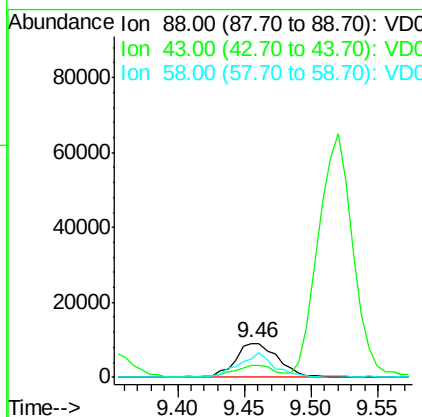
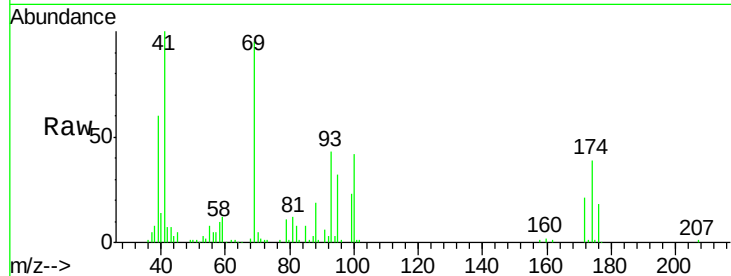
#49
1,4-Dioxane
Concen: 948.231 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	25.6	38.4
58	59.3	53.5	80.3

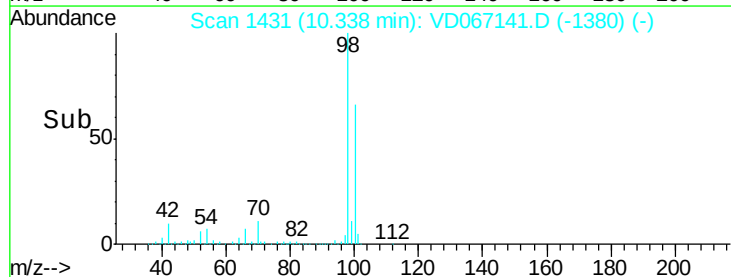
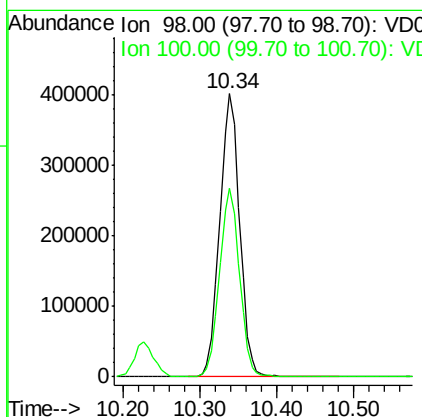
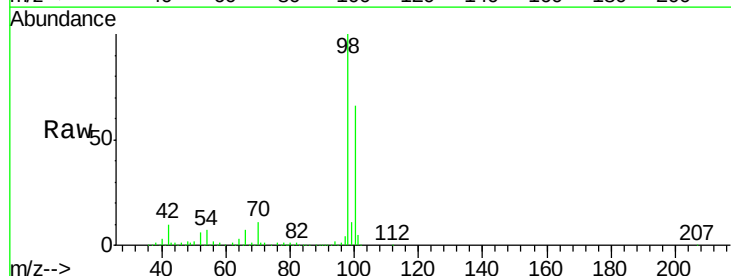
Manual Integrations
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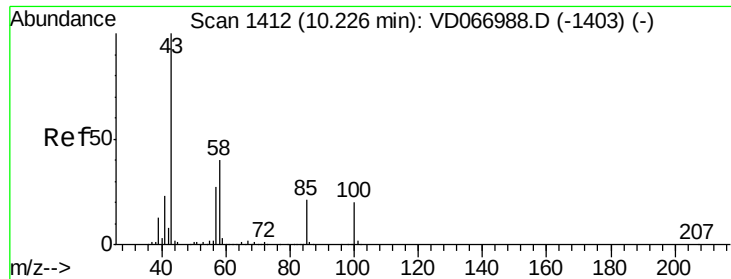
MMDadoda
10/8/2020 5:39:27 PM



#50
Toluene-d8
Concen: 51.747 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 229.785 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 396185

Ion Ratio Lower Upper

43 100

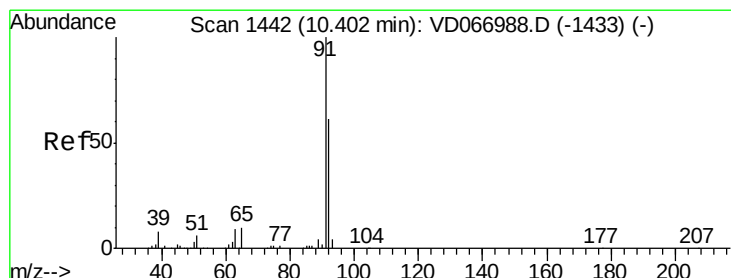
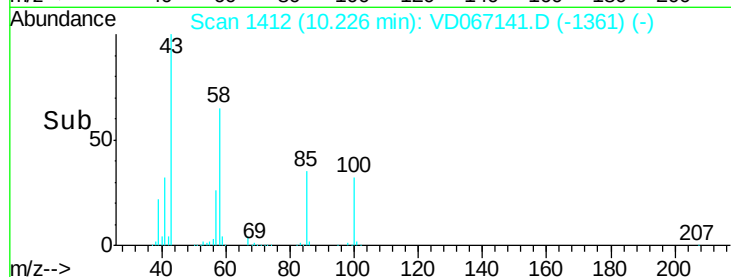
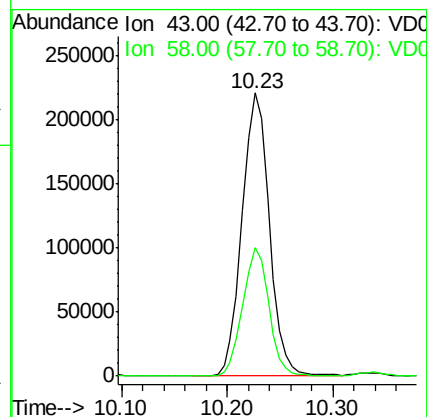
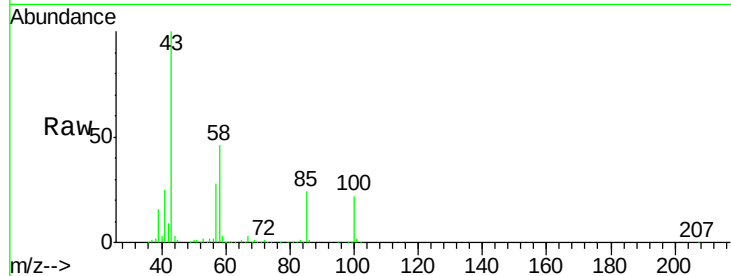
58 43.8 33.8 50.8

Manual Integrations

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MMDadoda

10/8/2020 5:39:27 PM



#52

Toluene

Concen: 50.493 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067141.D

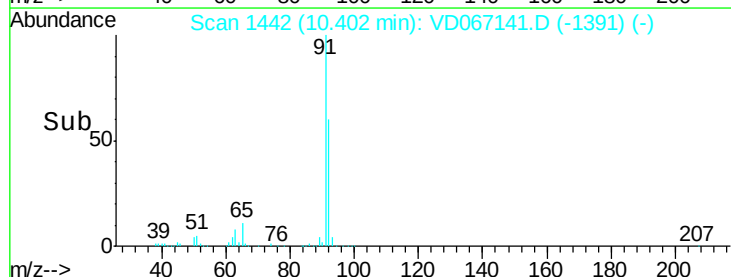
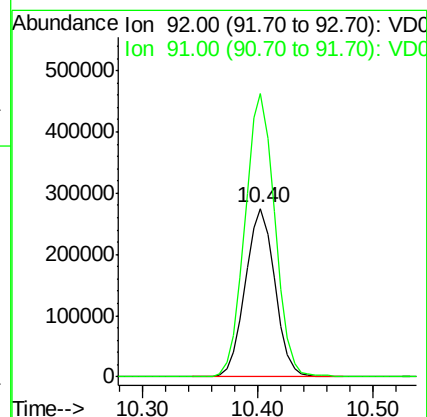
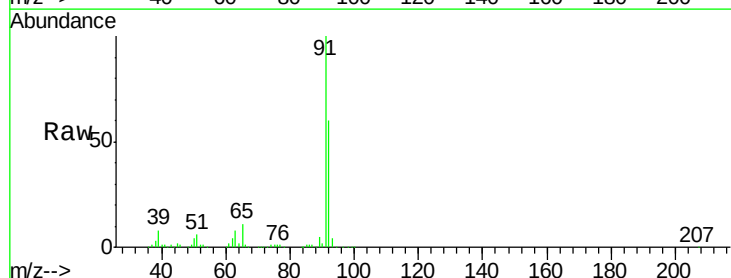
Acq: 07 Oct 2020 09:57

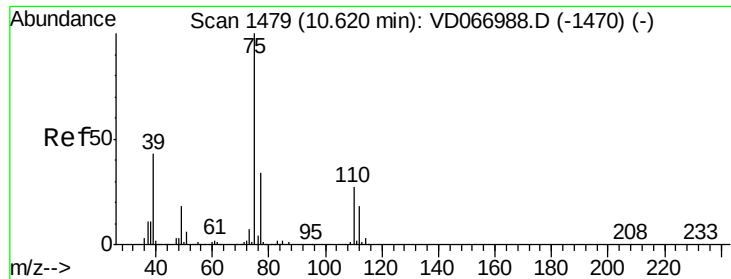
Tgt Ion: 92 Resp: 490013

Ion Ratio Lower Upper

92 100

91 170.1 135.1 202.7





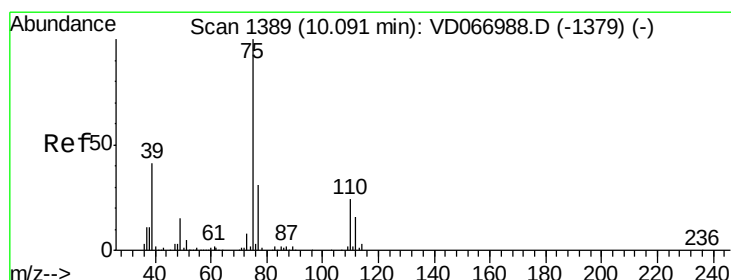
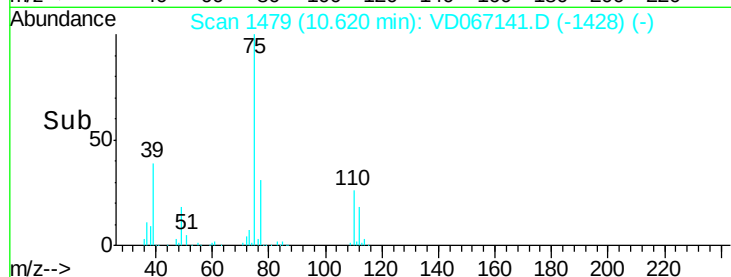
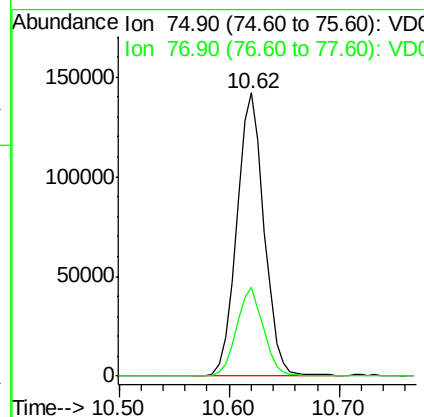
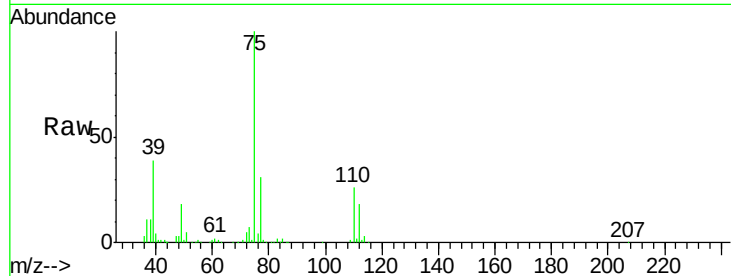
#53
t-1,3-Dichloropropene
Concen: 52.200 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 246722
Ion Ratio Lower Upper
75 100
77 31.3 27.1 40.7

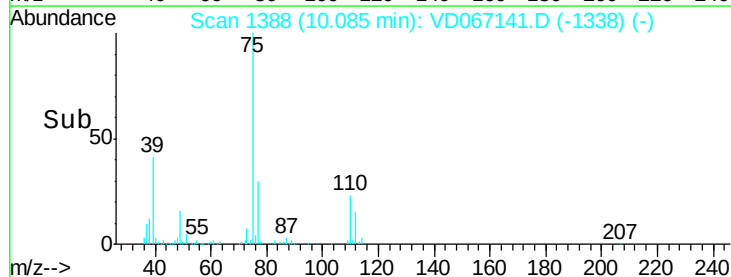
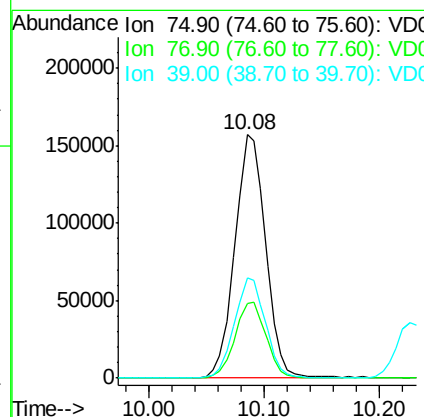
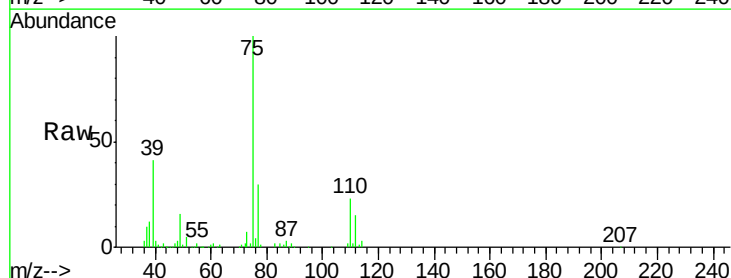
Manual Integrations
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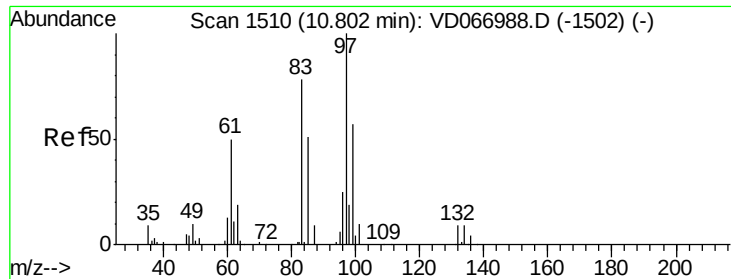
MMDadoda
10/8/2020 5:39:27 PM



#54
cis-1,3-Dichloropropene
Concen: 50.234 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion: 75 Resp: 289926
Ion Ratio Lower Upper
75 100
77 30.5 24.6 37.0
39 41.2 33.0 49.4





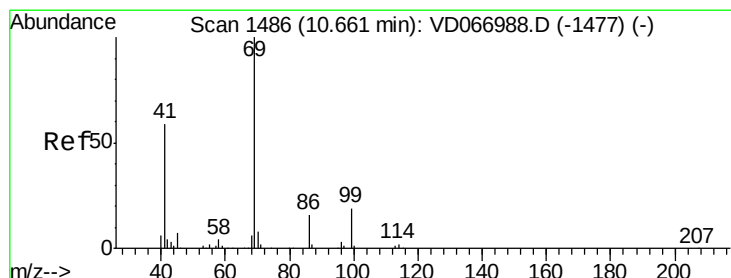
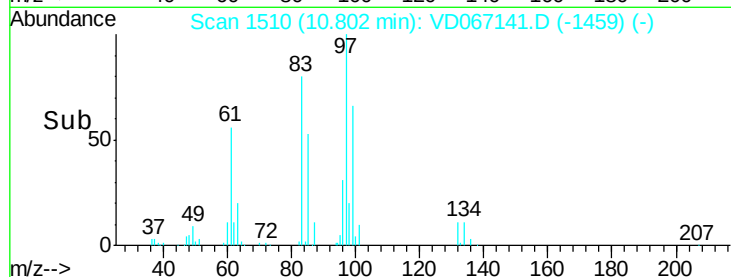
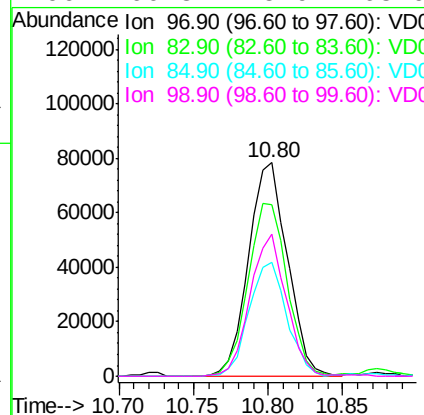
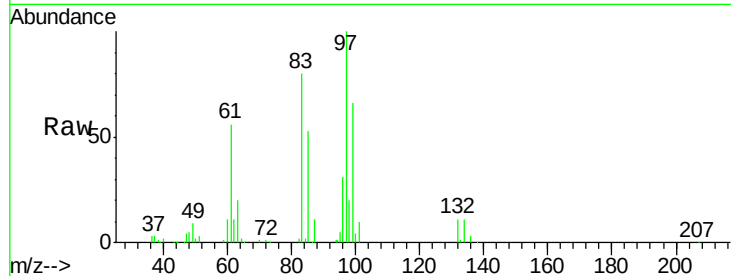
#55
 1,1,2-Trichloroethane
 Concen: 50.133 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		141801		
83	80.3	62.4	93.6		
85	53.5	41.0	61.4		
99	66.3	45.9	68.9		

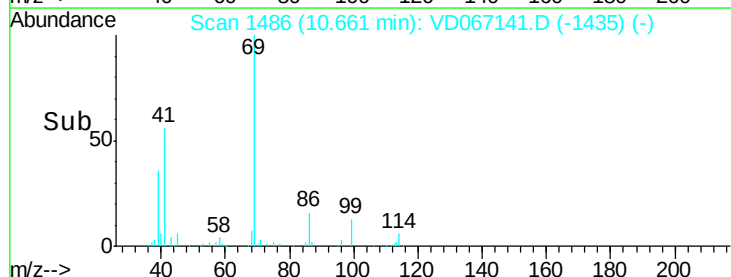
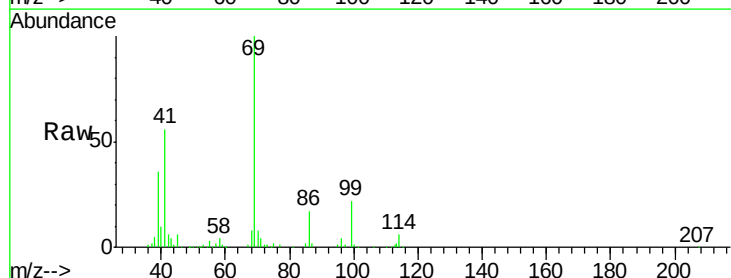
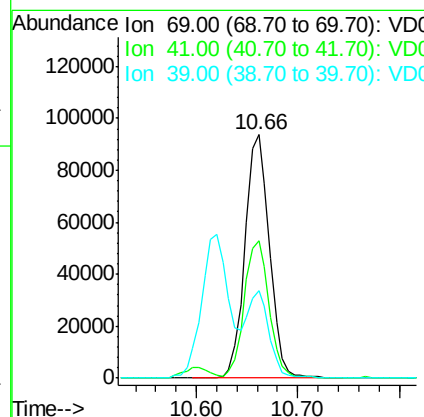
Manual Integrations
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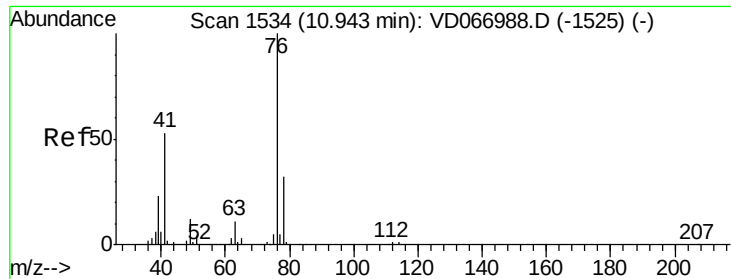
MMDadoda
 10/8/2020 5:39:27 PM



#56
 Ethyl methacrylate
 Concen: 53.927 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		157482		
41	56.7	46.4	69.6		
39	32.3	23.8	35.6		





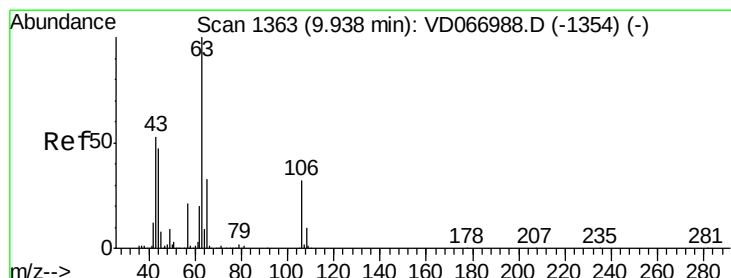
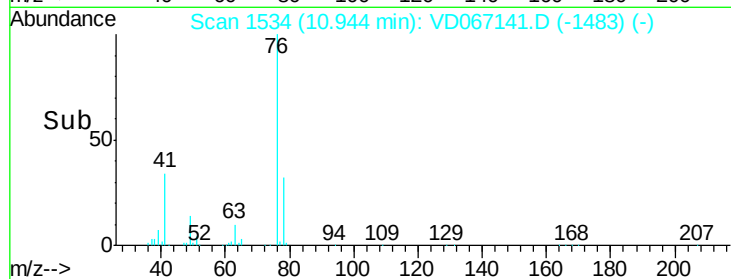
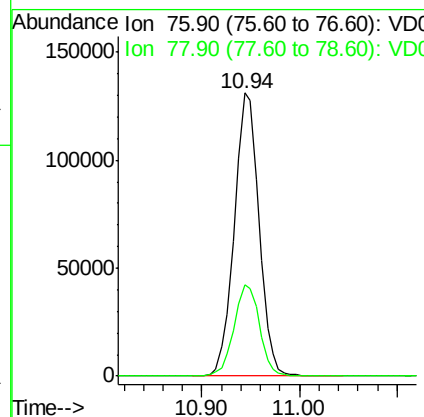
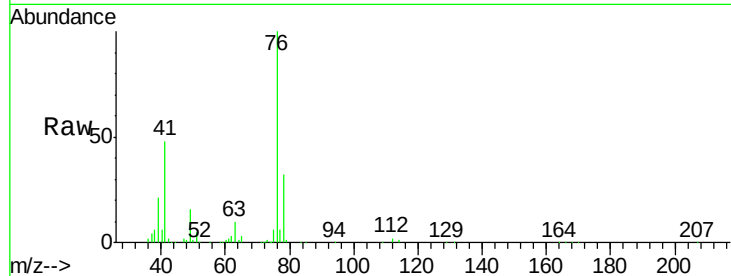
#57
 1,3-Dichloropropane
 Concen: 50.351 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.8	38.8

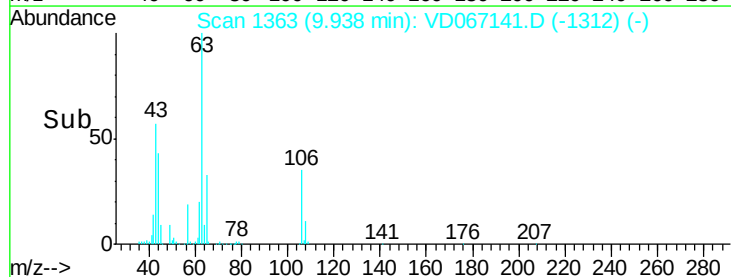
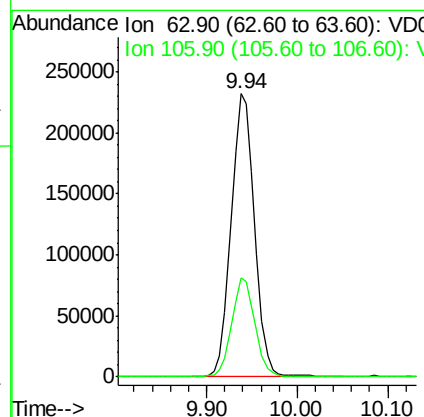
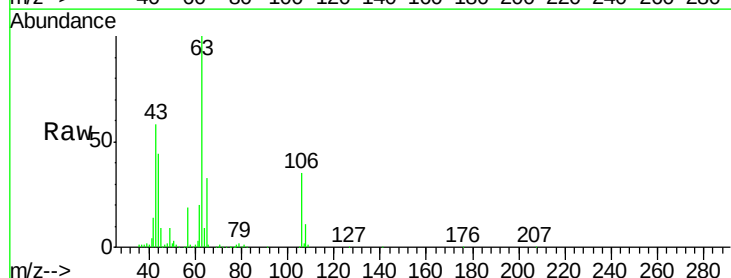
Manual Integrations
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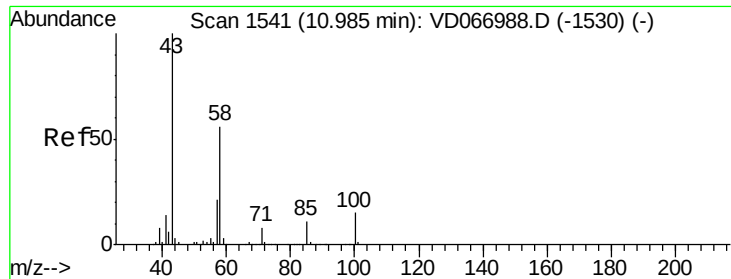
MMDadoda
 10/8/2020 5:39:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.883 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.3	25.3	37.9





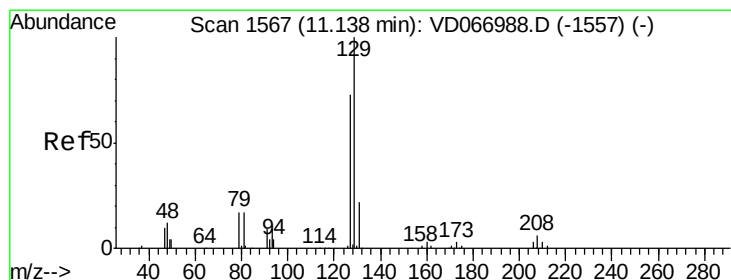
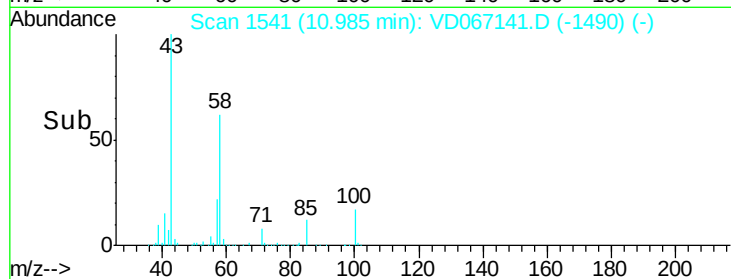
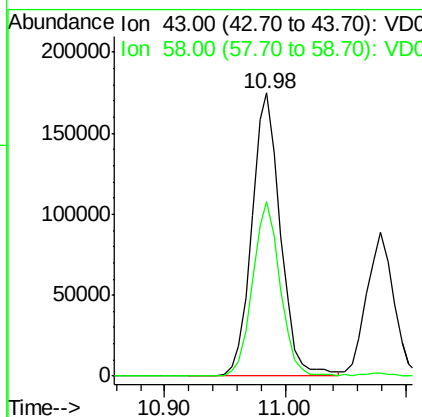
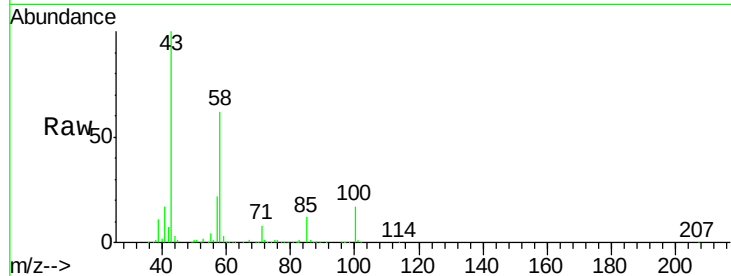
#59
2-Hexanone
Concen: 251.238 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.5	28.3	84.9

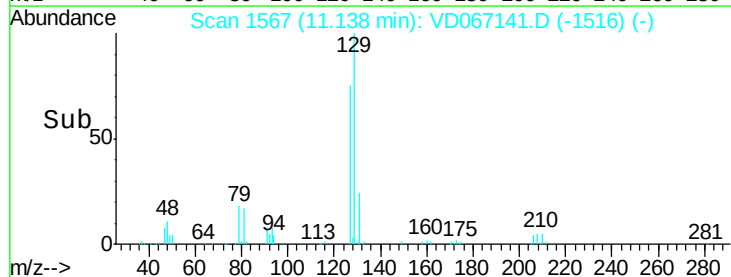
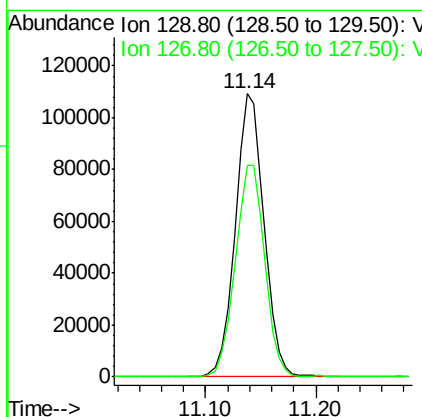
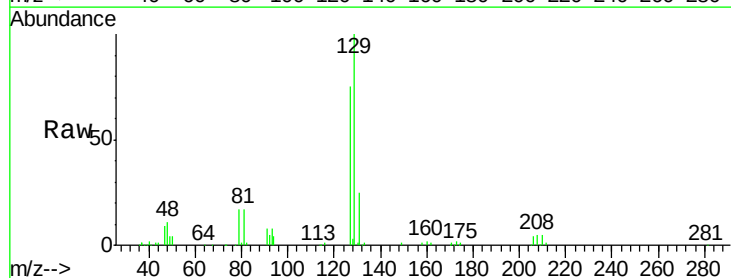
Manual Integrations
APPROVED

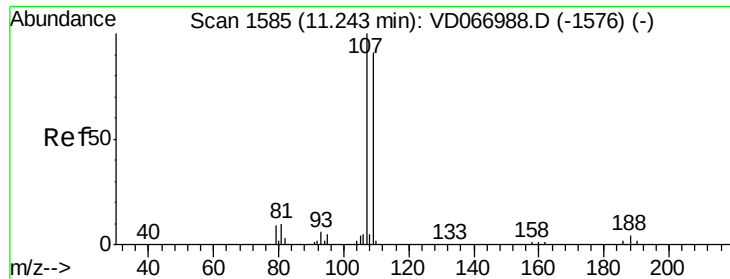
MMDadoda
10/8/2020 5:39:27 PM



#60
Dibromochloromethane
Concen: 52.800 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	37.4	112.1





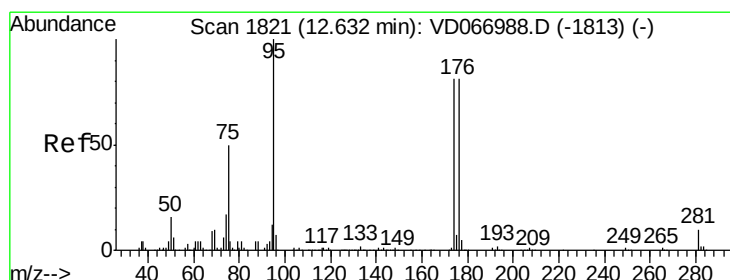
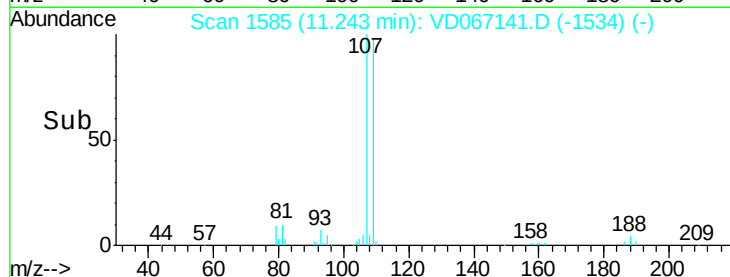
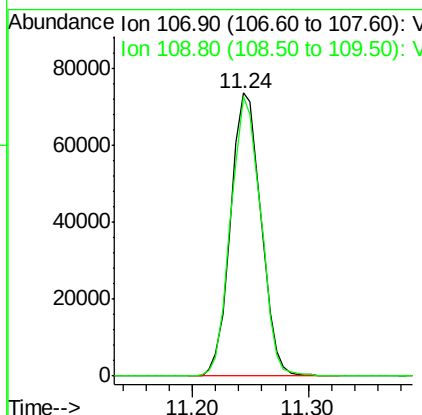
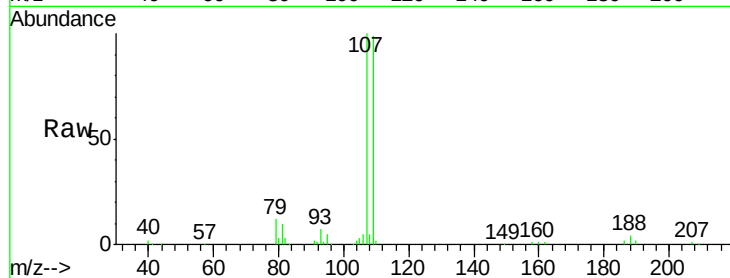
#61
 1,2-Dibromoethane
 Concen: 49.728 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.4	74.0	111.0

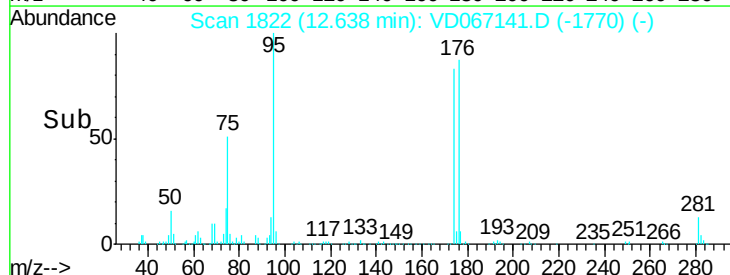
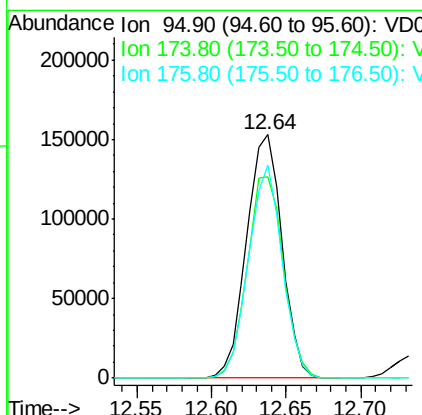
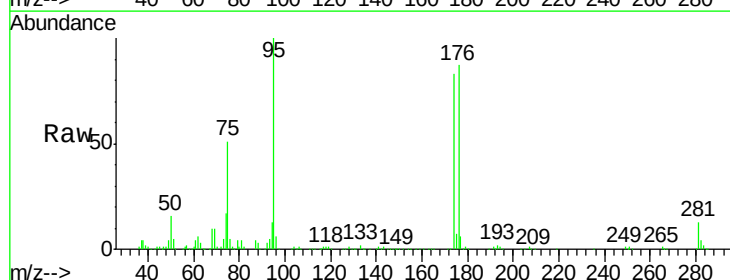
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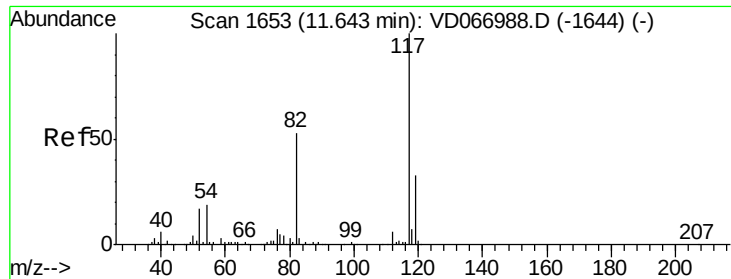
MMDadoda
 10/8/2020 5:39:27 PM



#62
 4-Bromofluorobenzene
 Concen: 53.195 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	167.6
176	83.4	0.0	162.4





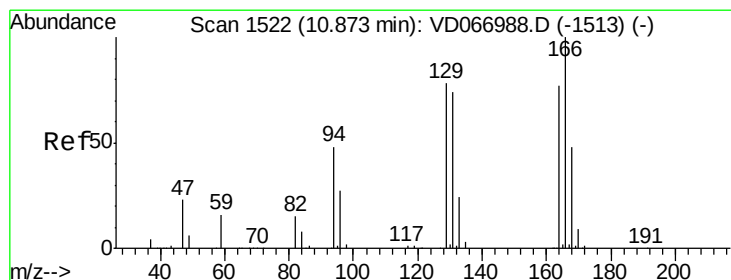
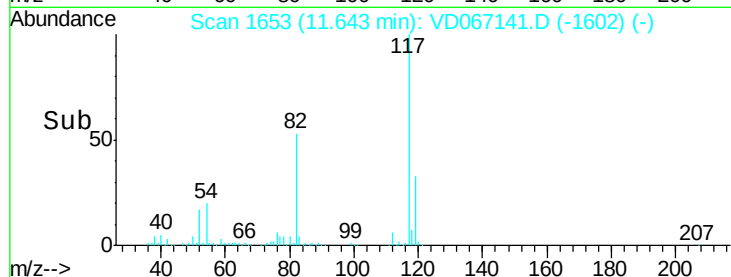
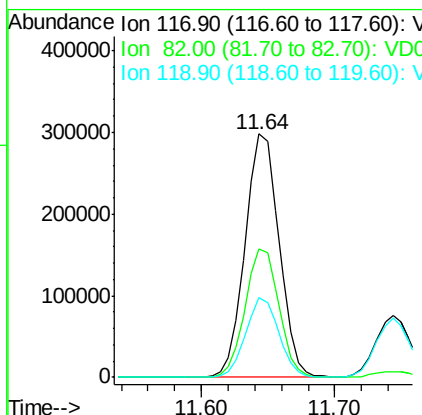
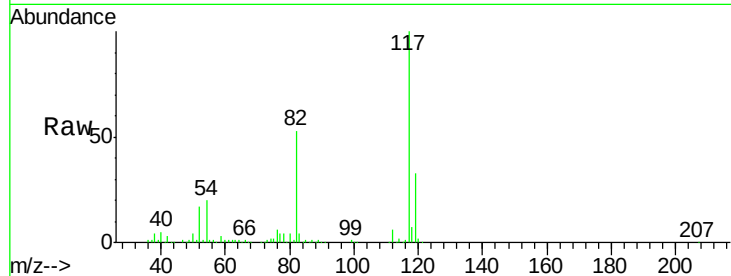
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.6	63.8
119	32.6	26.3	39.5

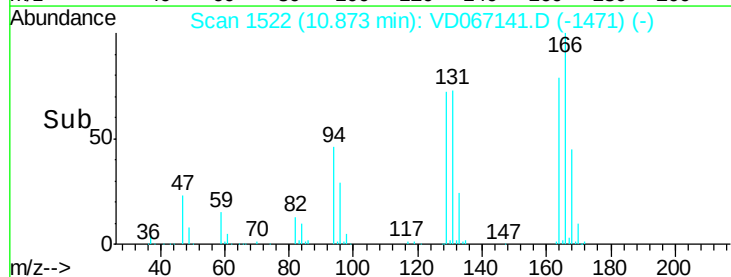
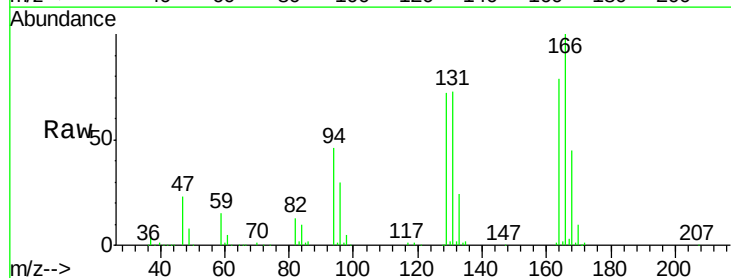
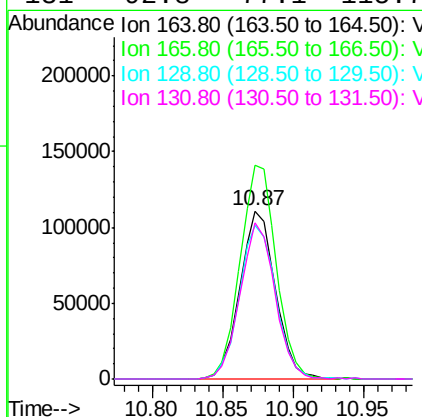
Manual Integrations
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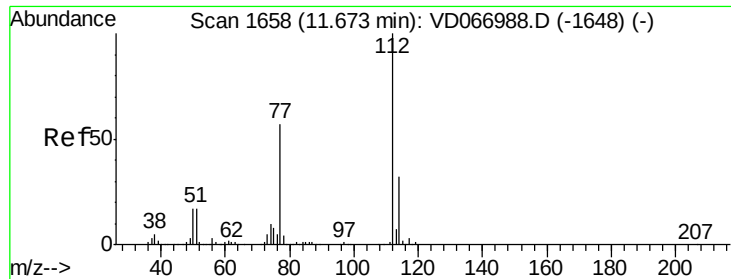
MMDadoda
10/8/2020 5:39:27 PM



#64
Tetrachloroethene
Concen: 51.197 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	104.4	156.6
129	91.8	81.3	121.9
131	92.8	77.1	115.7





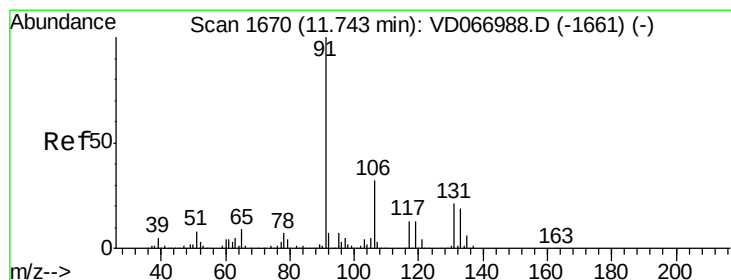
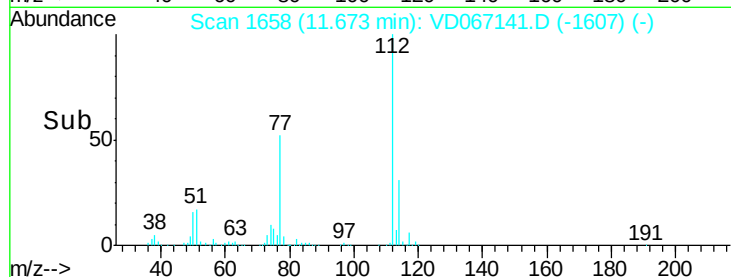
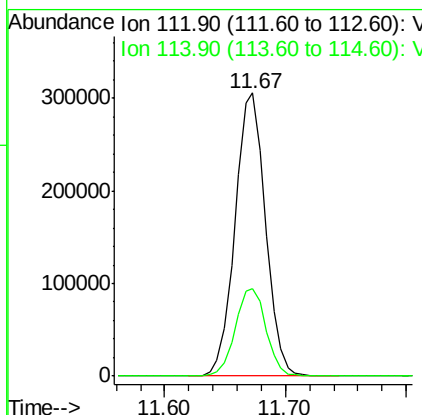
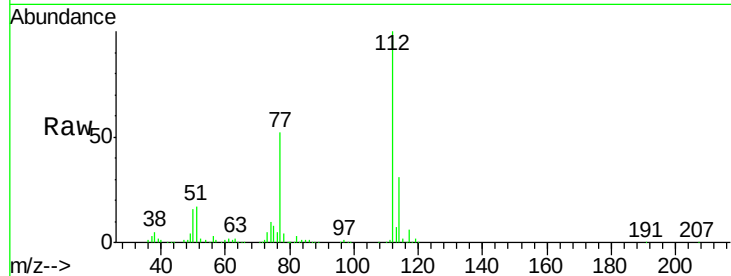
#65
Chlorobenzene
Concen: 51.475 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.4	38.0

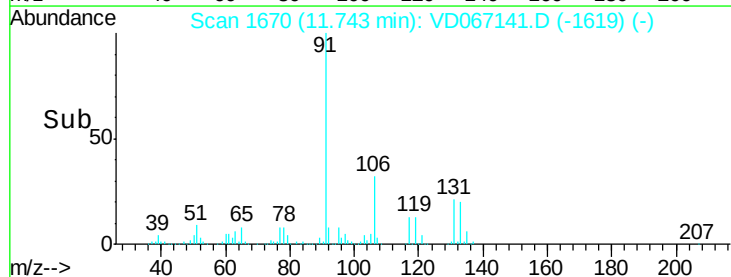
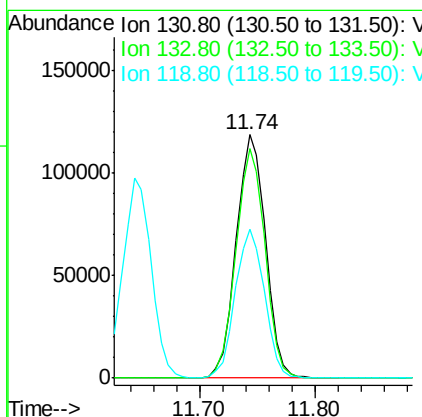
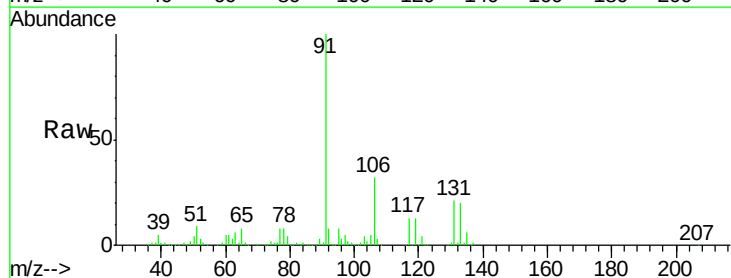
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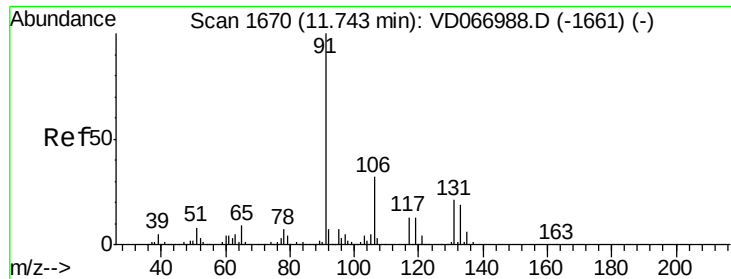
MMDadoda
10/8/2020 5:39:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.751 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.3	47.8	143.3
119	61.1	32.3	96.8





#67

Ethyl Benzene

Concen: 53.020 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 947662

Ion Ratio Lower Upper

91 100

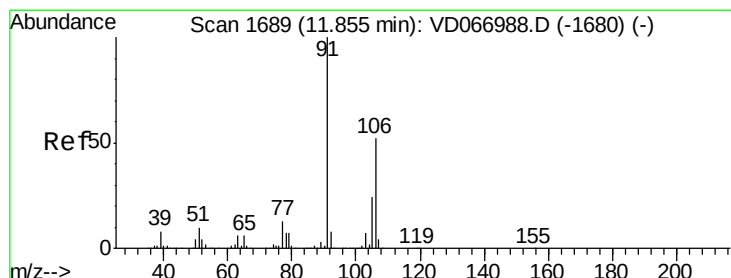
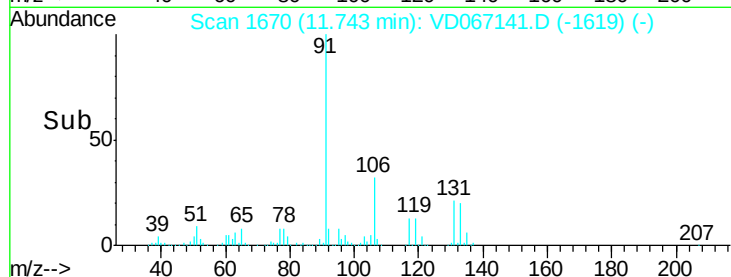
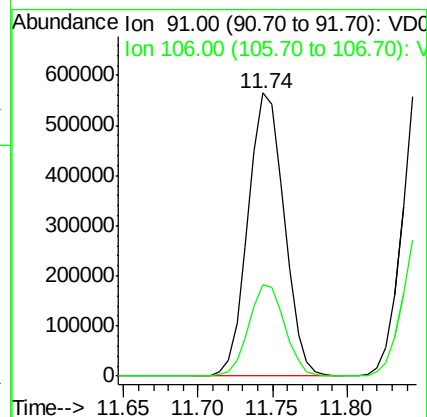
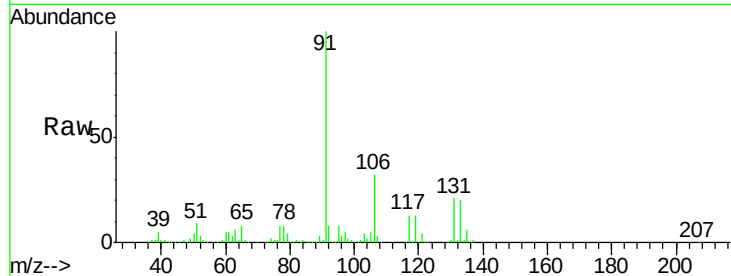
106 32.4 25.4 38.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 104.468 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067141.D

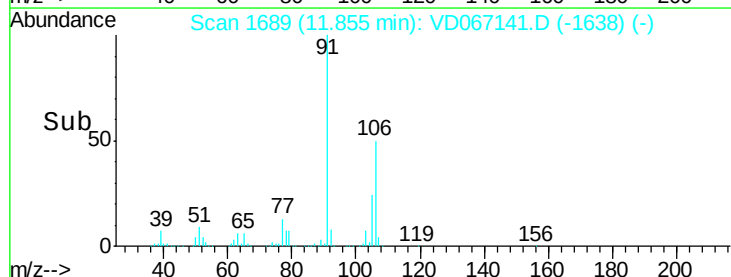
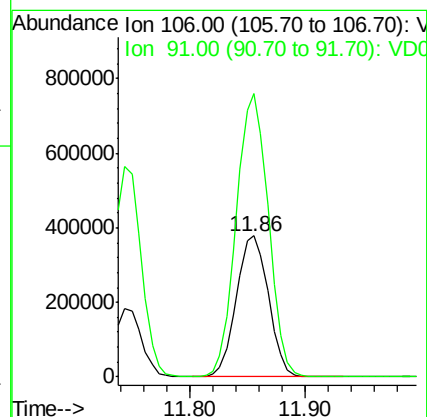
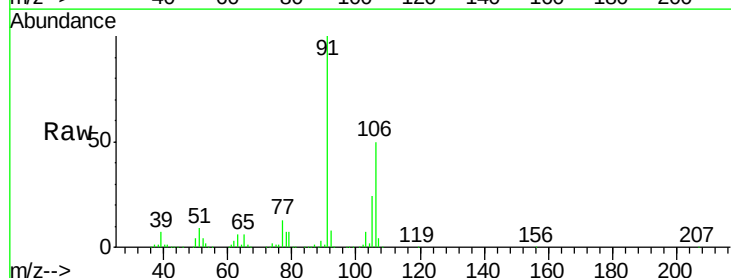
Acq: 07 Oct 2020 09:57

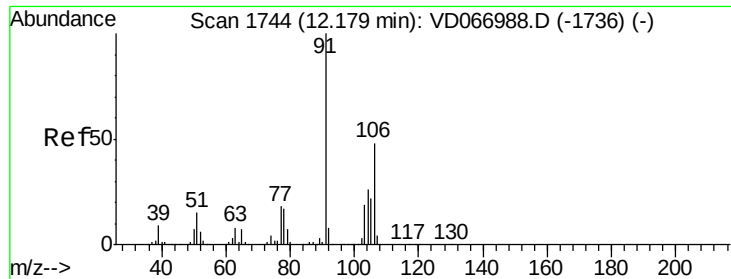
Tgt Ion: 106 Resp: 727682

Ion Ratio Lower Upper

106 100

91 200.7 158.4 237.6





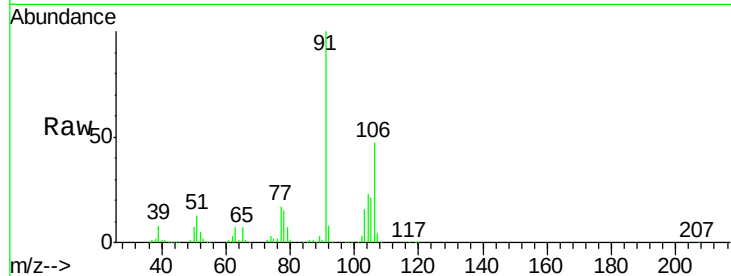
#69
o-Xylene
Concen: 53.248 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

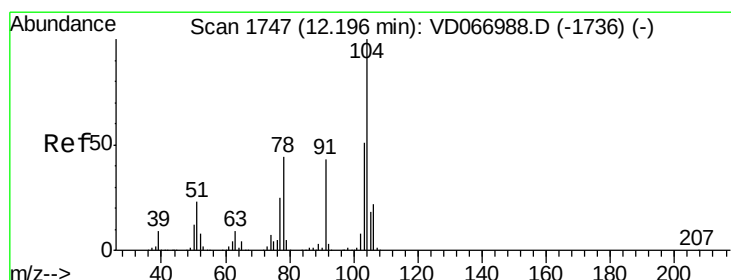
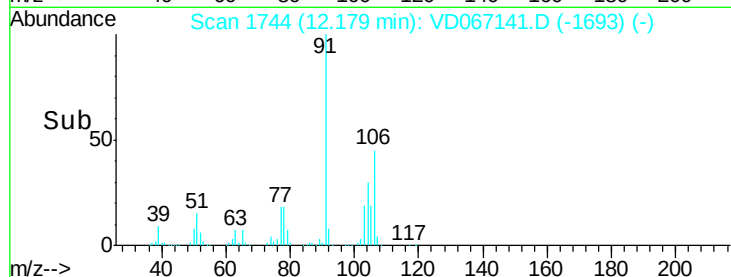
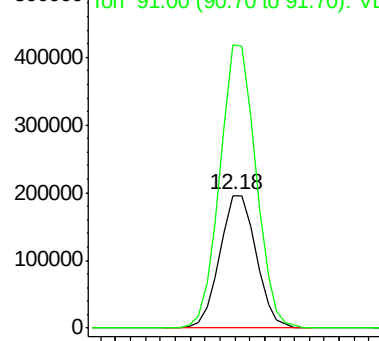
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		331679		
91	210.3	102.4	307.2		

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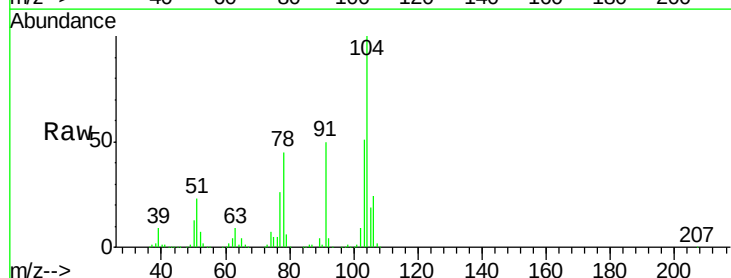


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

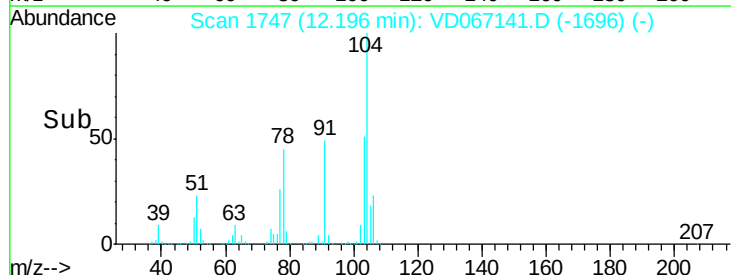
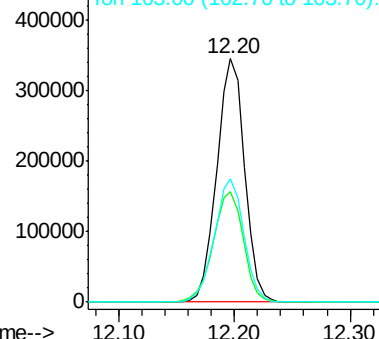


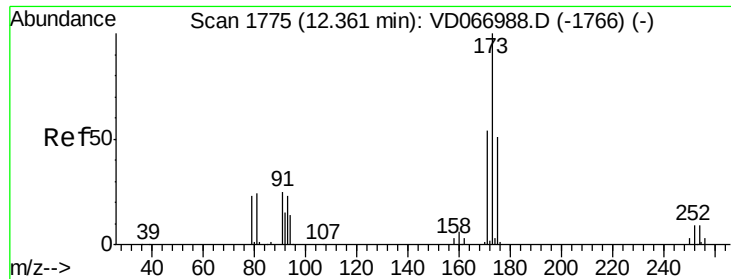
#70
Styrene
Concen: 54.104 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		578698		
78	49.0	38.6	58.0		
103	53.5	43.4	65.0		



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





#71

Bromoform

Concen: 54.484 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

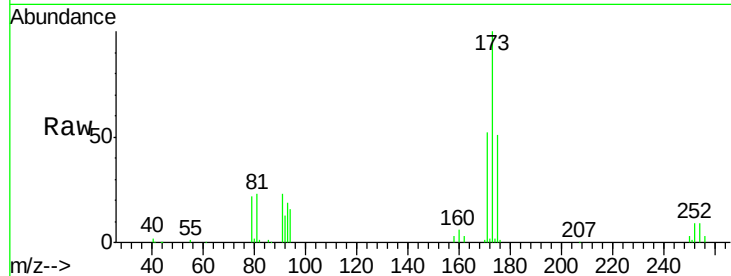
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.7
254	0.1	0.2	0.4

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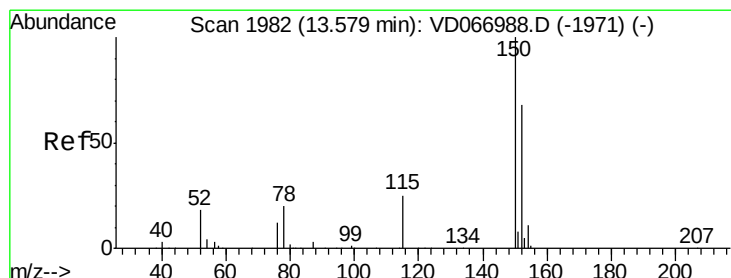
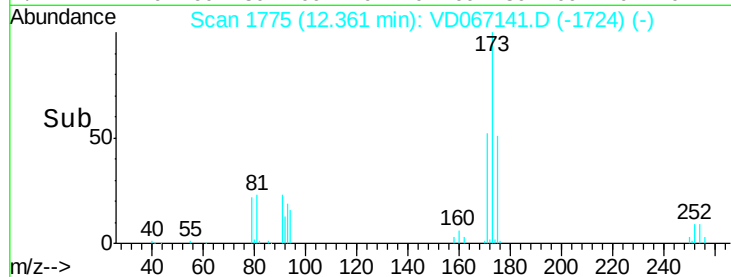
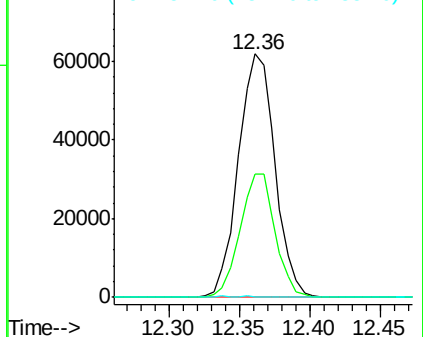


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

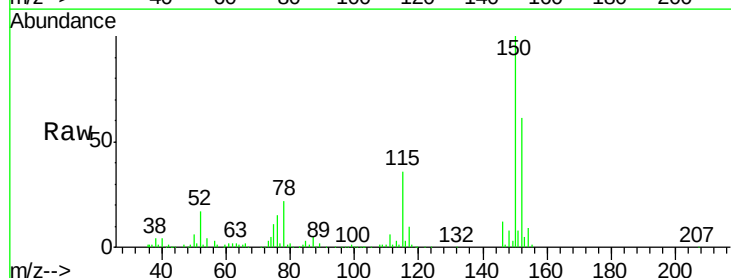
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.6	88.8
150	173.3	0.0	344.8

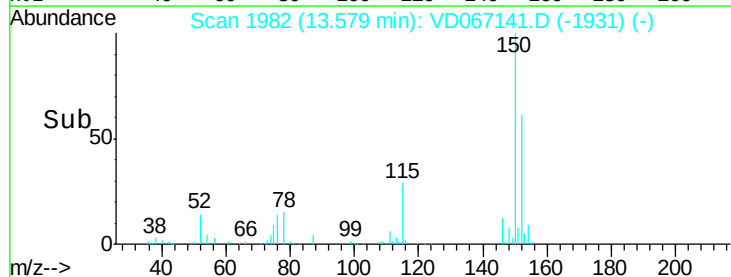
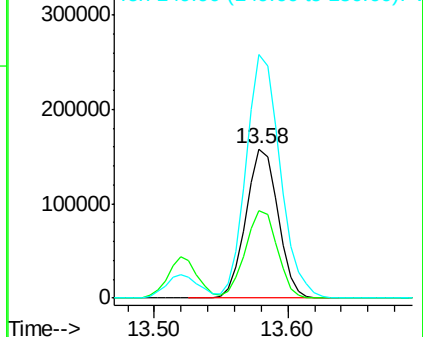


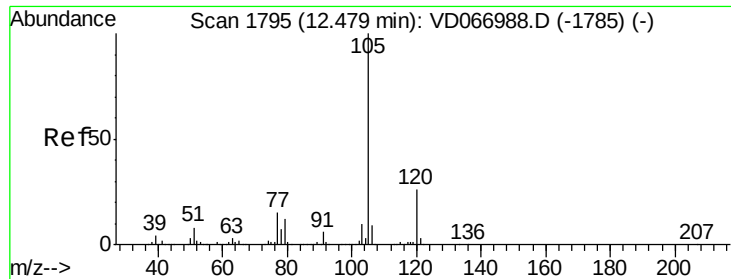
Abundance

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: 53.609 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 952381

Ion Ratio Lower Upper

105 100

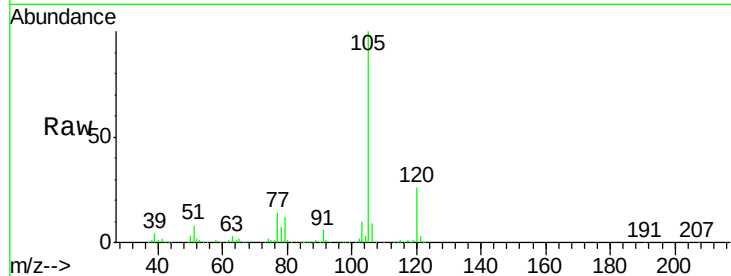
120 25.9 13.3 39.9

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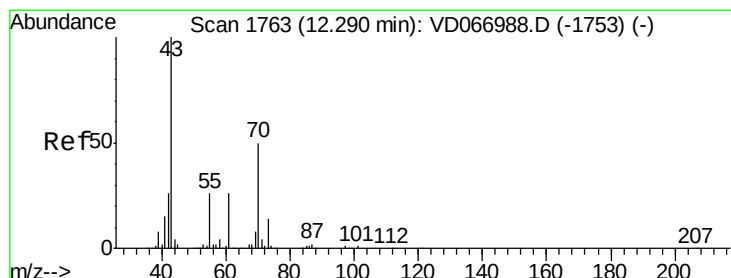
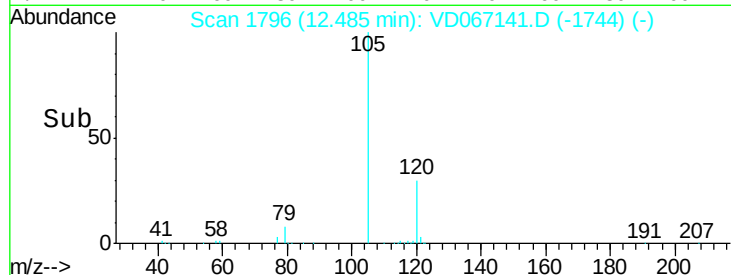
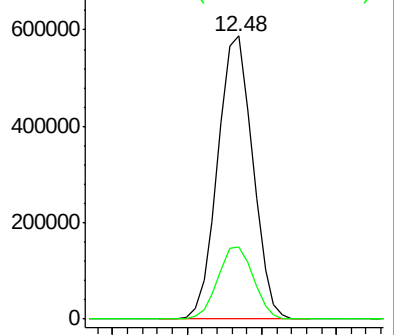
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.939 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Tgt Ion: 43 Resp: 143518

Ion Ratio Lower Upper

43 100

70 52.2 38.2 57.2

55 30.2 22.4 33.6

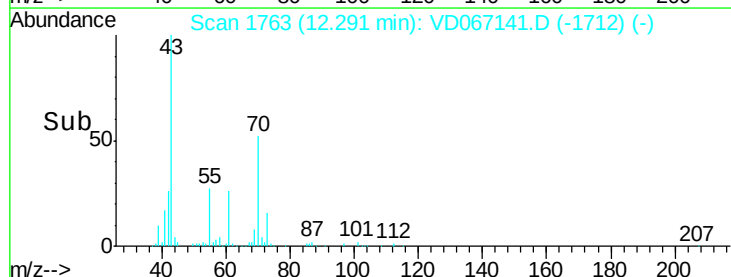
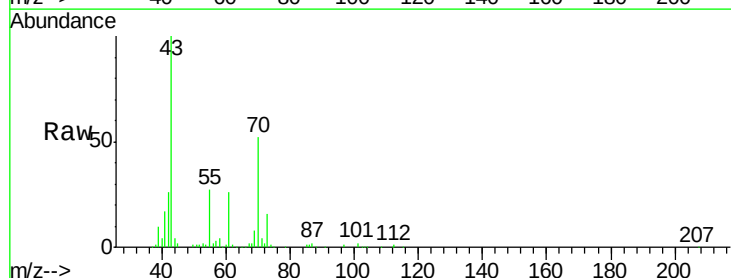
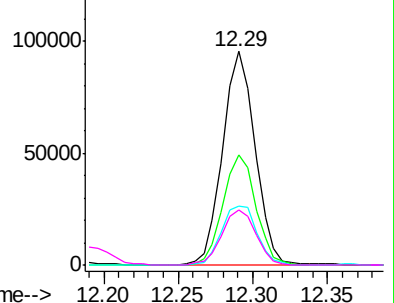
61 26.8 20.6 31.0

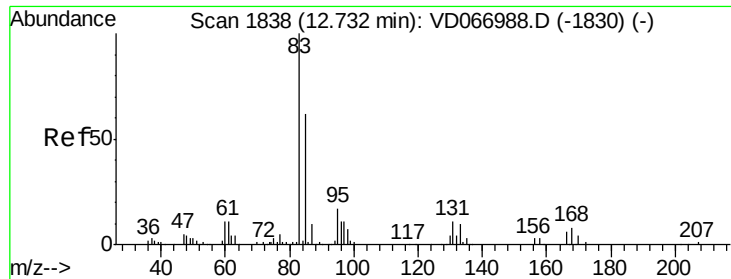
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 46.658 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 139657
Ion Ratio Lower Upper

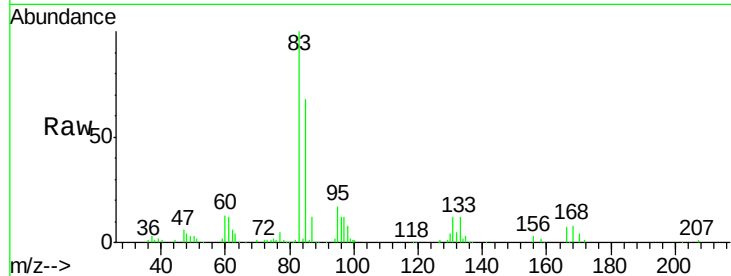
83 100

131 12.3 5.7 17.0

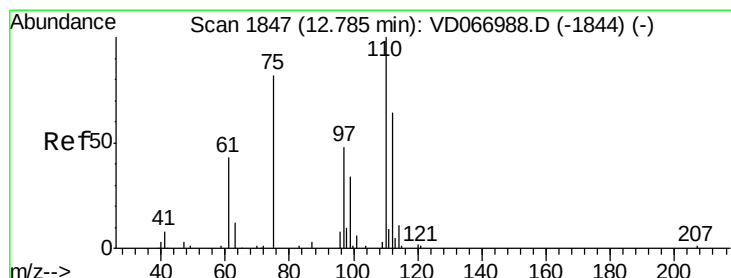
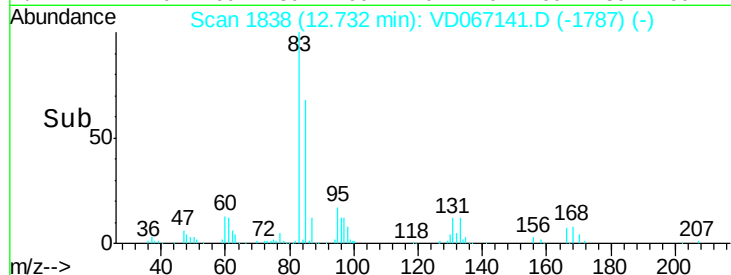
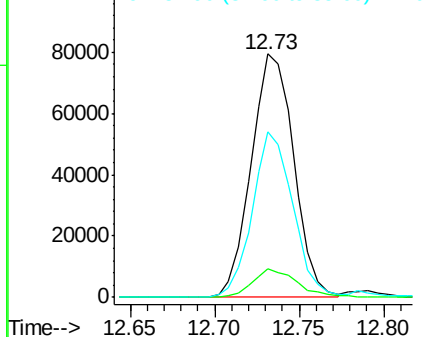
85 64.2 32.0 96.2

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 50.607 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

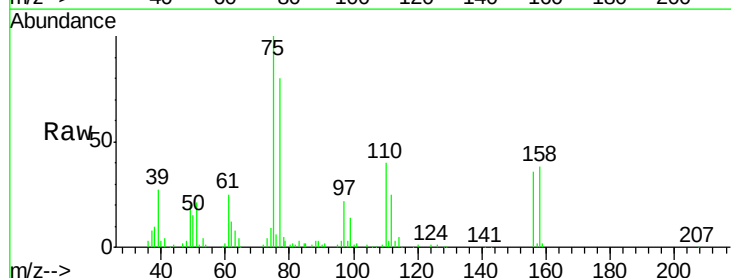
Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

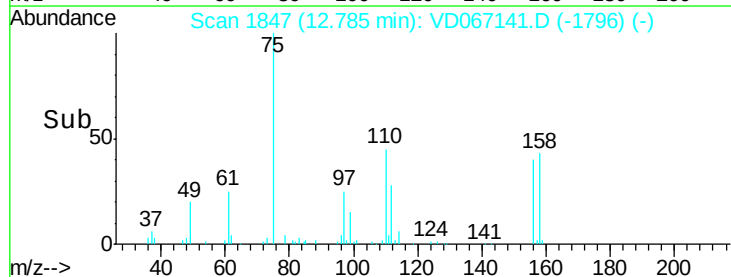
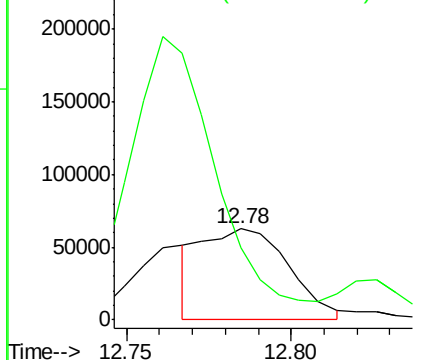
Tgt Ion: 75 Resp: 115330
Ion Ratio Lower Upper

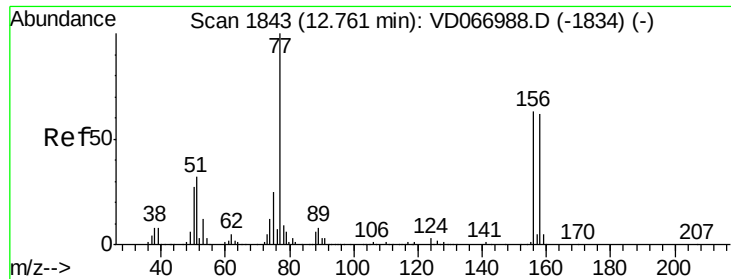
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.758 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

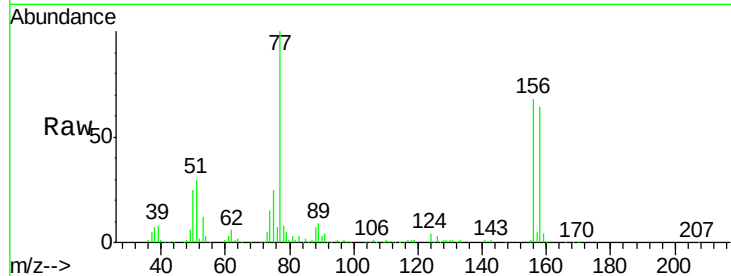
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.8	86.3	258.8
158	94.7	49.5	148.3

Manual Integrations
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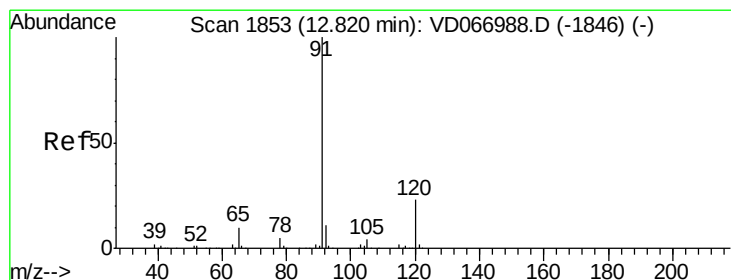
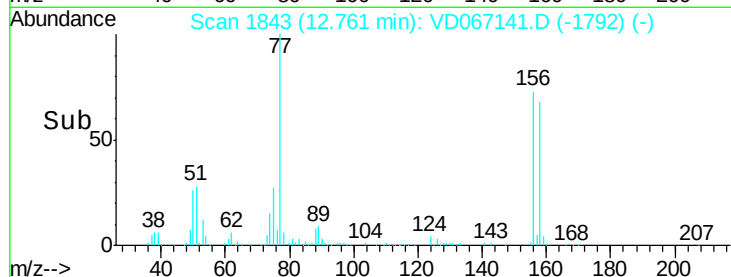
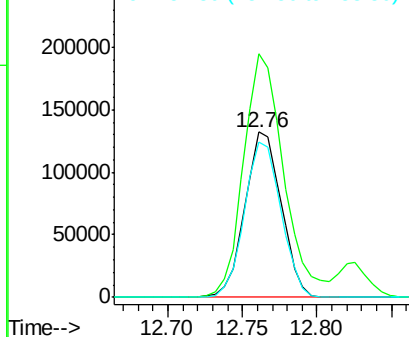


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.943 ug/l

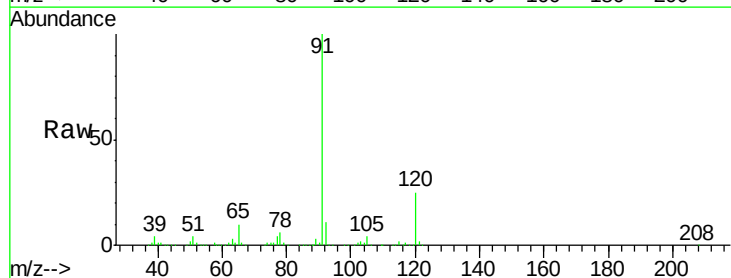
RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

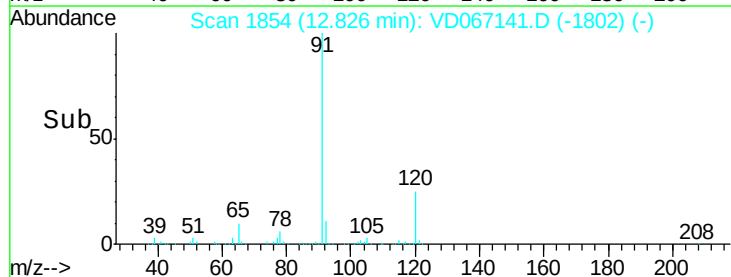
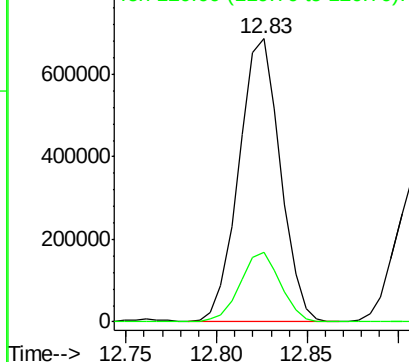
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.6	34.8

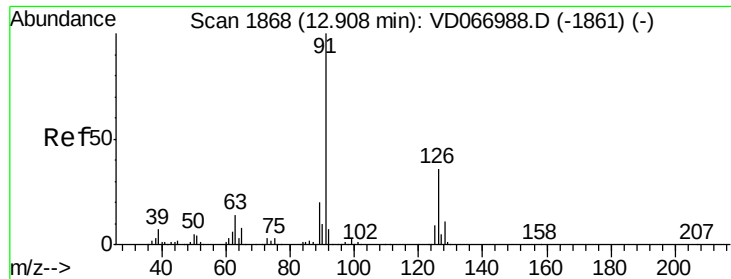


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.359 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 604937

Ion Ratio Lower Upper

91 100

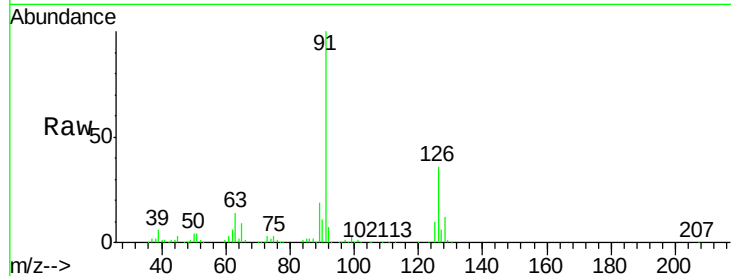
126 35.9 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066988.D (-1861) (-)

800000

600000

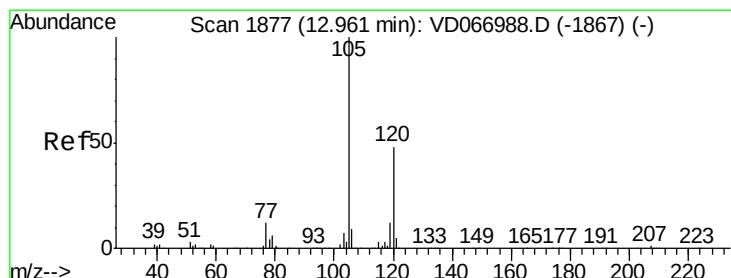
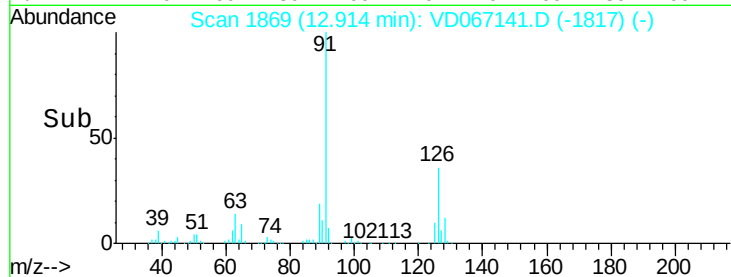
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.980 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067141.D

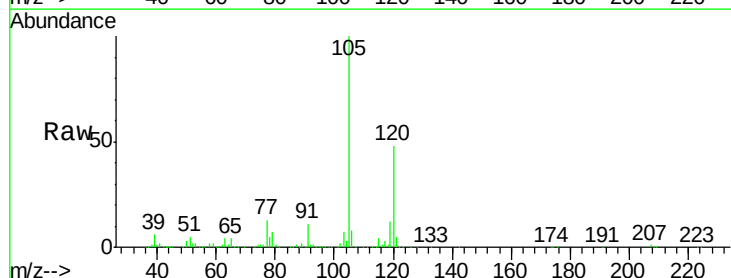
Acq: 07 Oct 2020 09:57

Tgt Ion: 105 Resp: 810215

Ion Ratio Lower Upper

105 100

120 49.0 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VD066988.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD066988.D (-1867) (-)

600000

500000

400000

300000

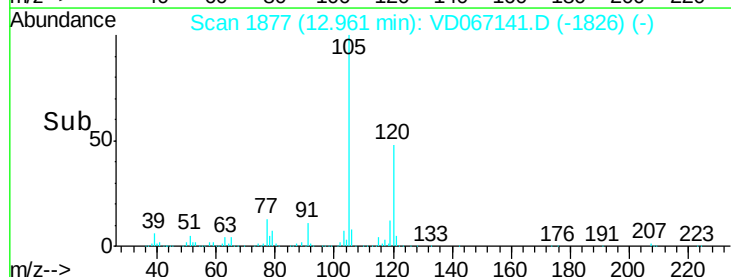
200000

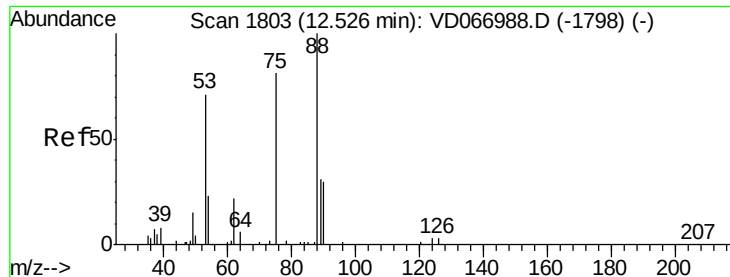
100000

0

12.90 12.96 13.00

Time-->





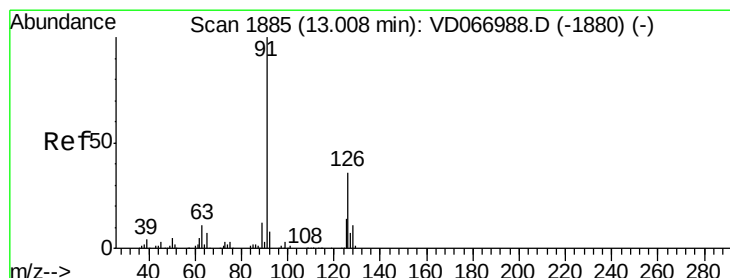
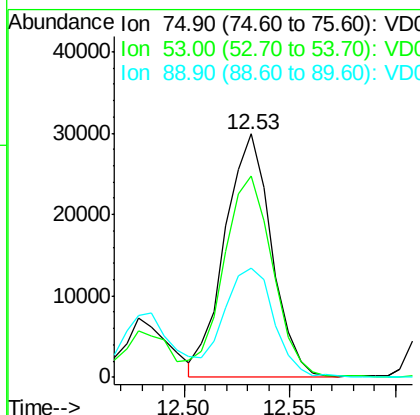
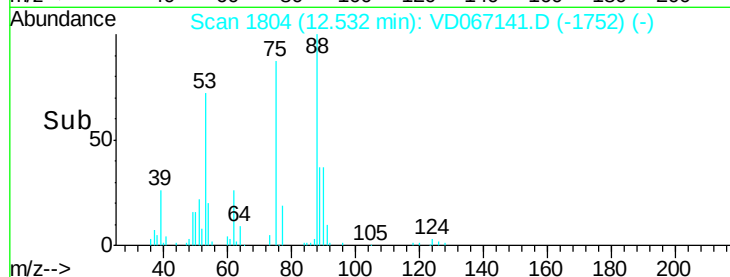
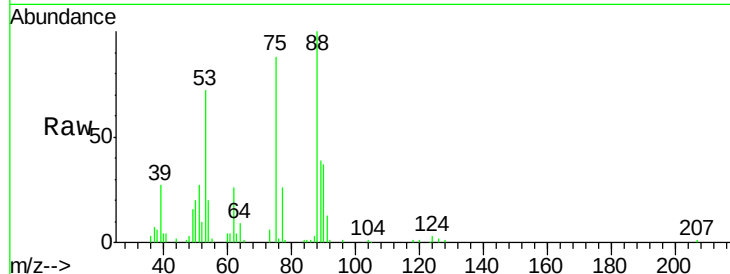
#81
trans-1,4-Dichloro-2-butene
Concen: 50.234 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.9	73.8	110.6
89	47.5	38.9	58.3

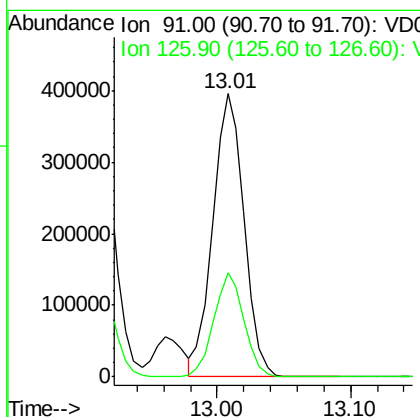
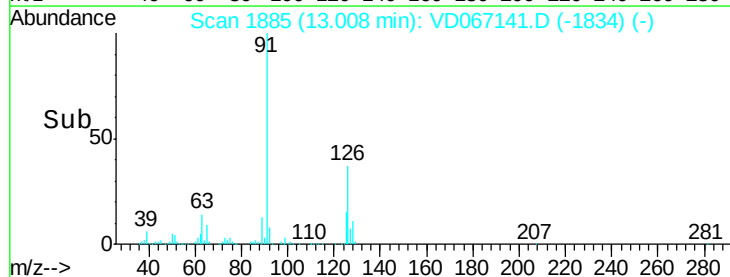
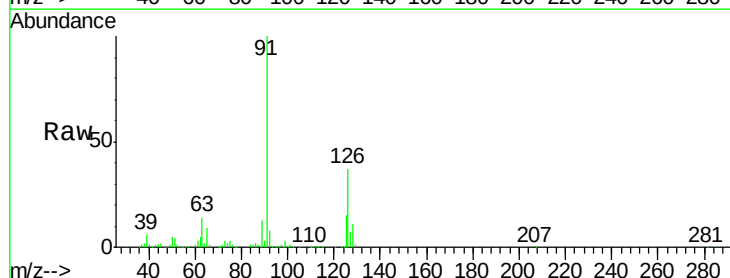
Manual Integrations
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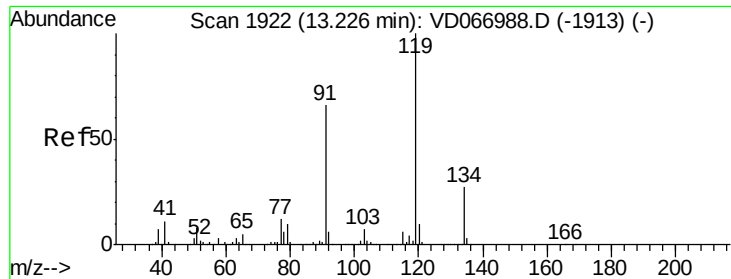
MMDadoda
10/8/2020 5:39:27 PM



#82
4-Chlorotoluene
Concen: 50.721 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.5	52.5





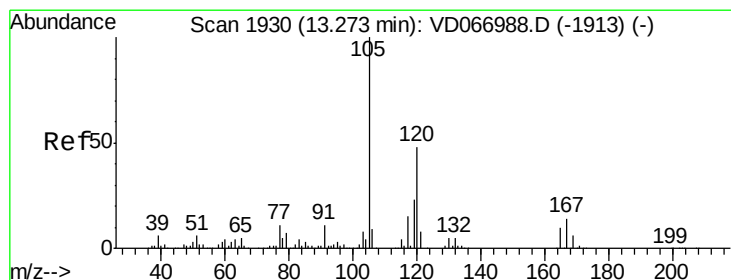
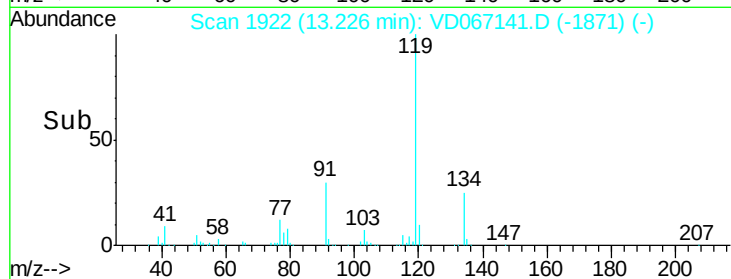
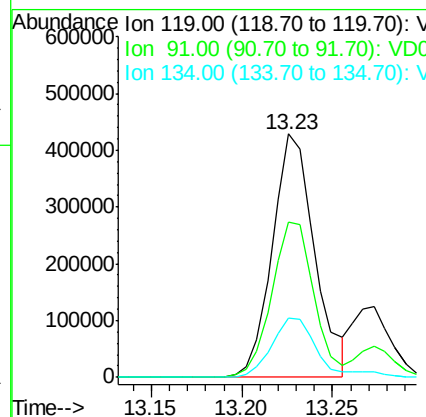
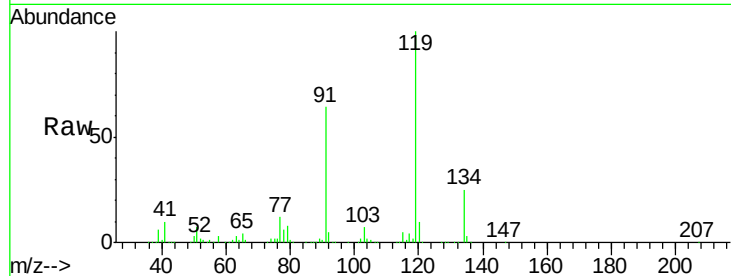
#83
 tert-Butylbenzene
 Concen: 55.386 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	700060		
91	63.3		32.8	98.3
134	26.7		13.9	41.7

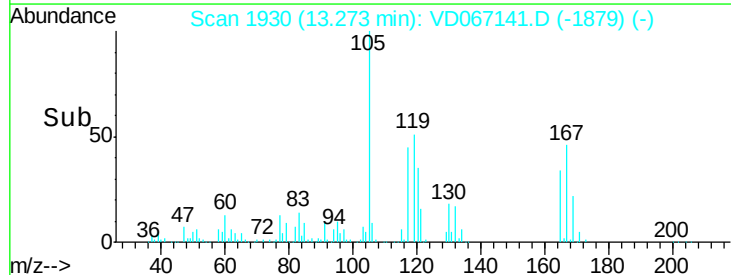
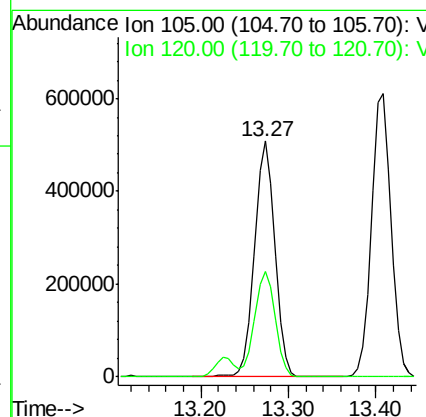
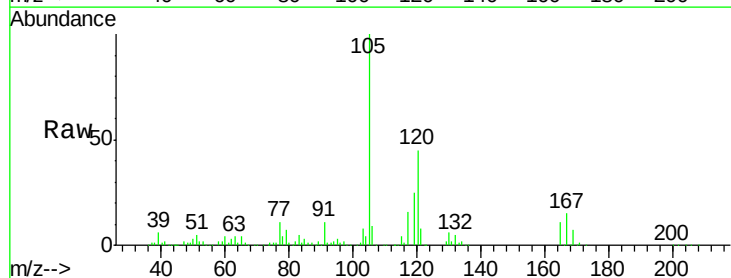
Manual Integrations
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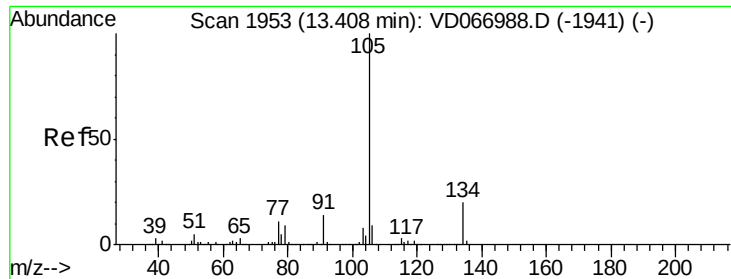
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.051 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	794659		
120	45.5		23.3	69.8





#85

sec-Butylbenzene

Concen: 53.558 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 953323

Ion Ratio Lower Upper

105 100

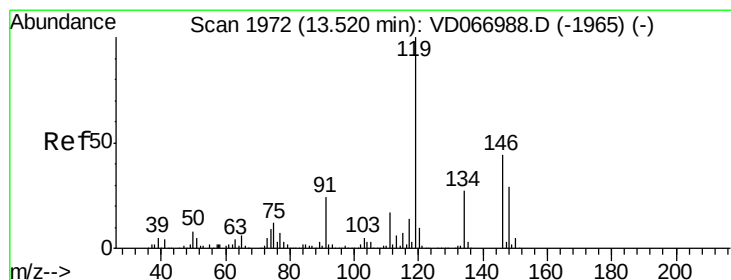
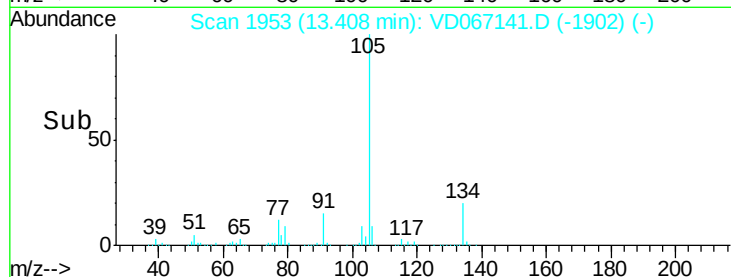
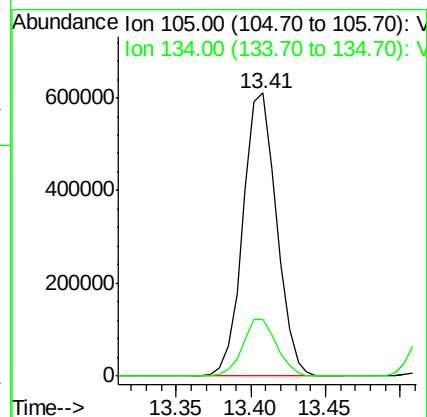
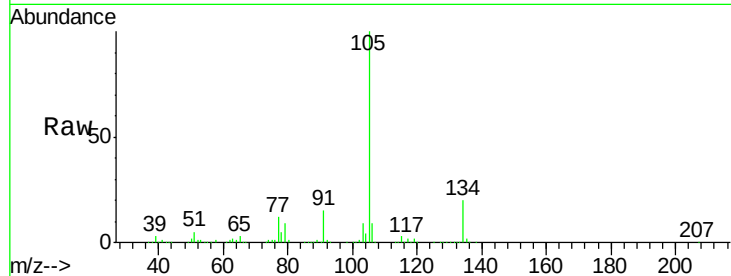
134 20.4 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.796 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067141.D

Acq: 07 Oct 2020 09:57

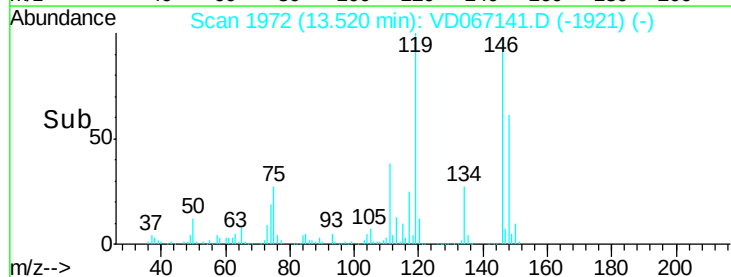
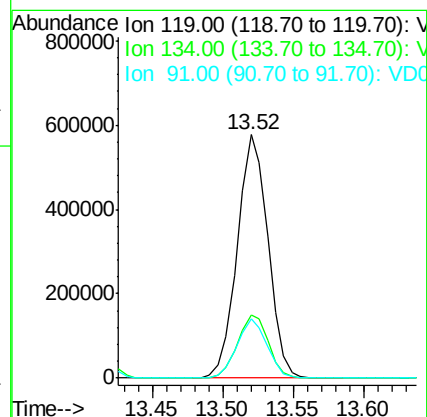
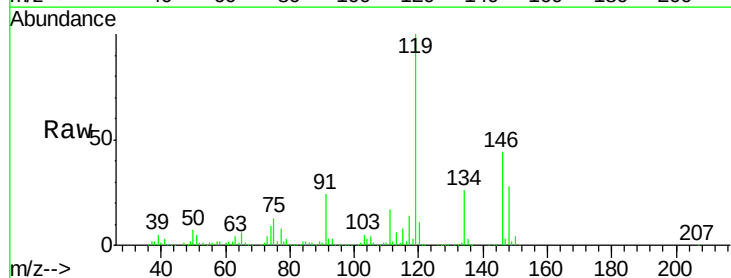
Tgt Ion:119 Resp: 871249

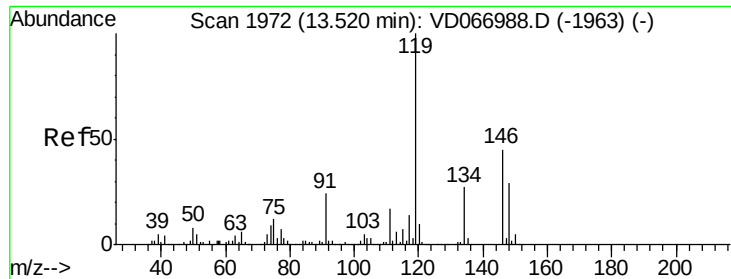
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

91 23.7 11.7 35.1





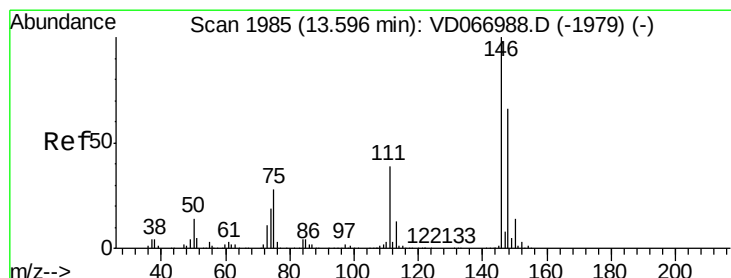
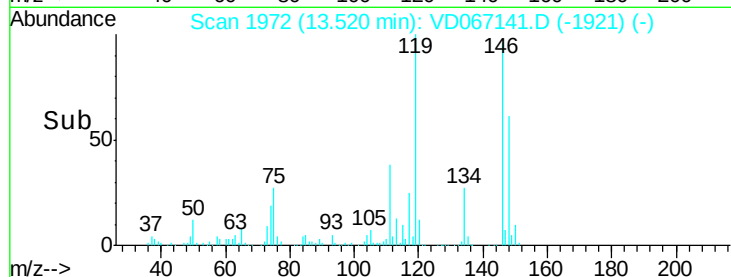
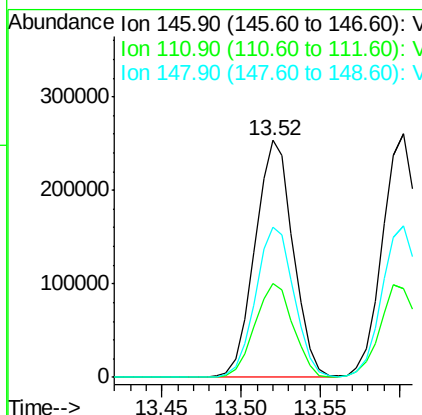
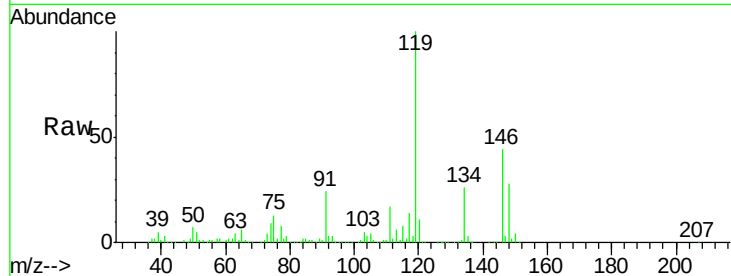
#87
 1,3-Dichlorobenzene
 Concen: 50.709 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	63.9	31.9	95.9

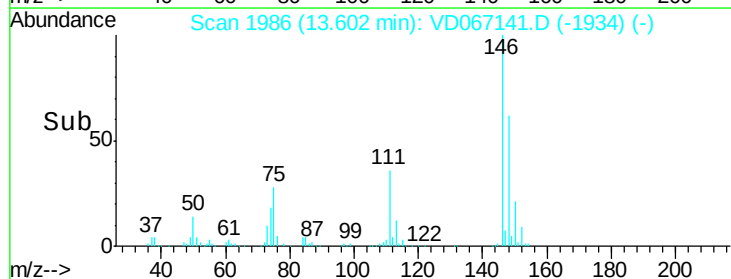
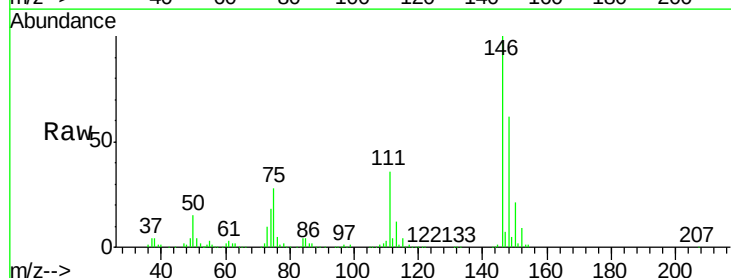
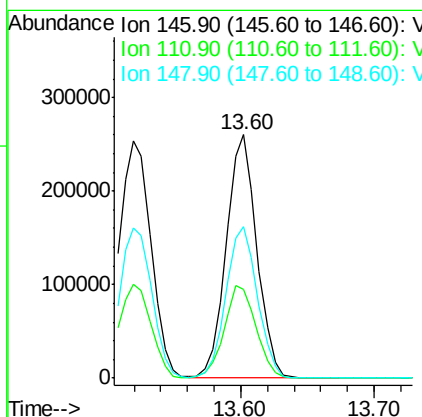
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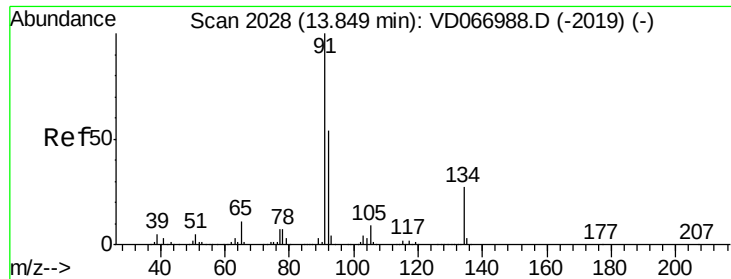
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#88
 1,4-Dichlorobenzene
 Concen: 49.822 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	63.9	32.6	97.7





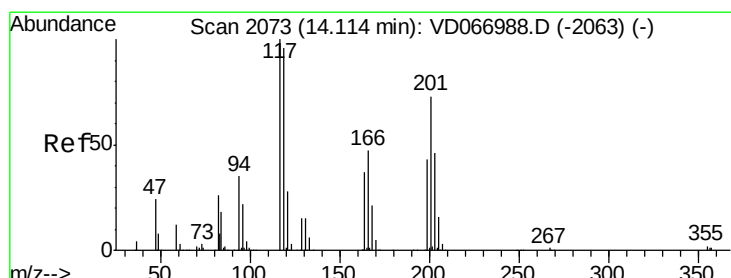
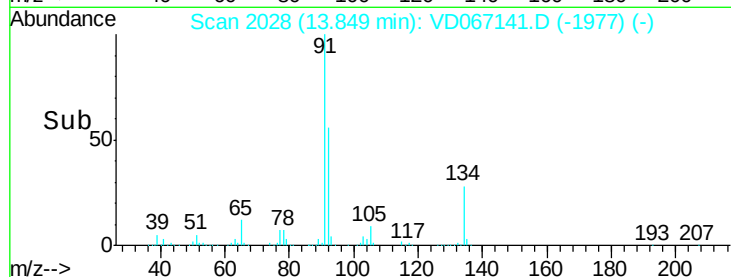
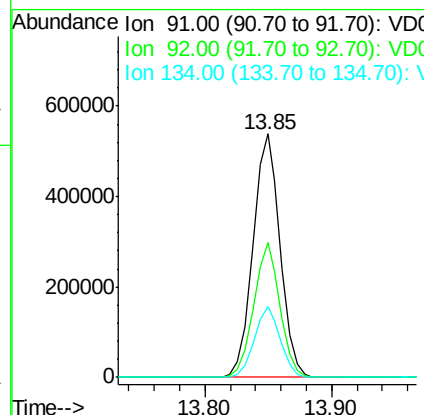
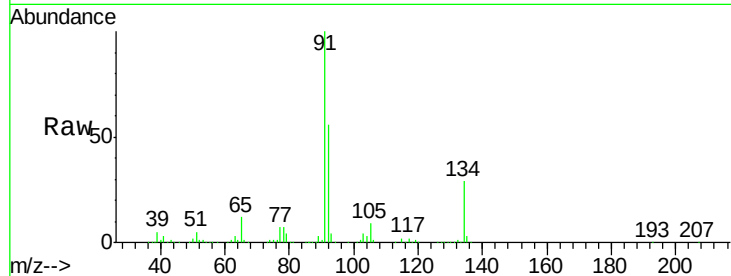
#89
n-Butylbenzene
Concen: 52.936 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	798367		
92	53.6		27.1	81.2
134	27.7		13.6	40.8

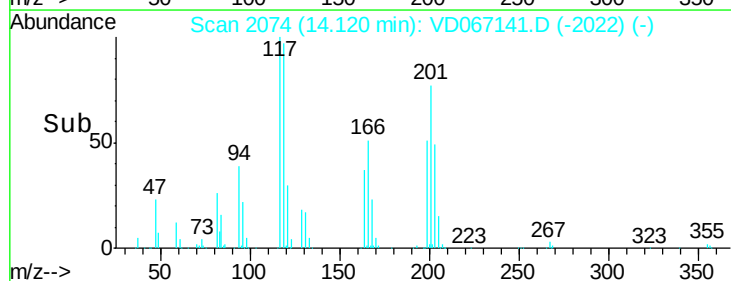
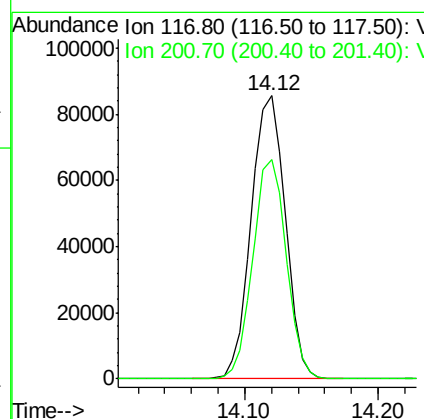
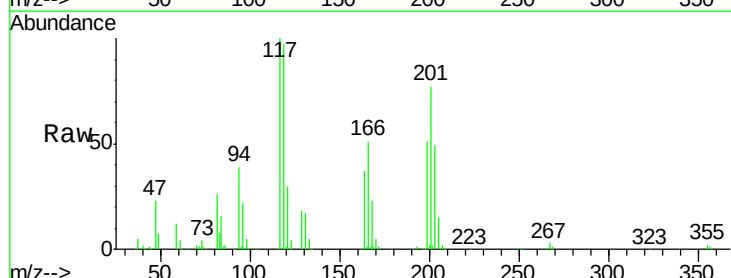
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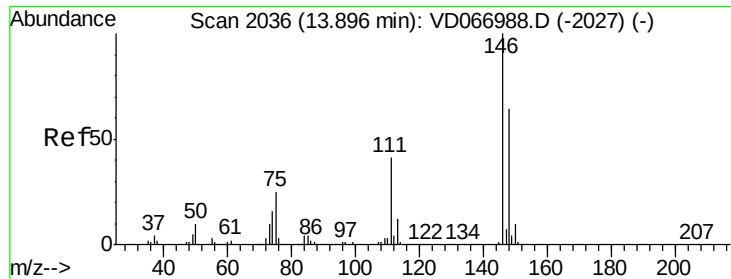
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#90
Hexachloroethane
Concen: 52.382 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	151418		
201	75.6		37.0	110.9





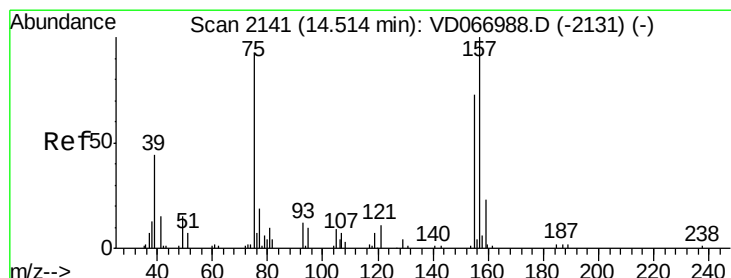
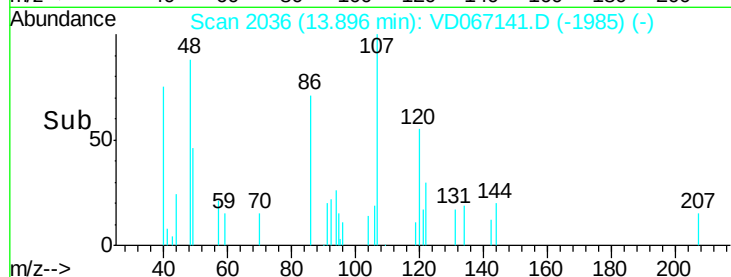
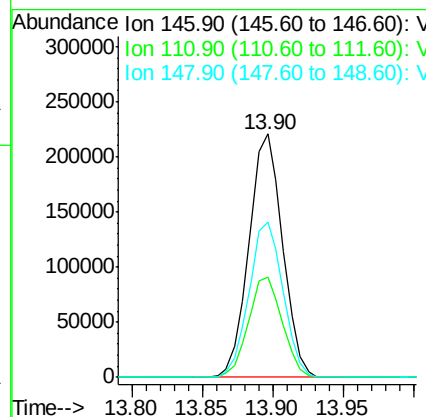
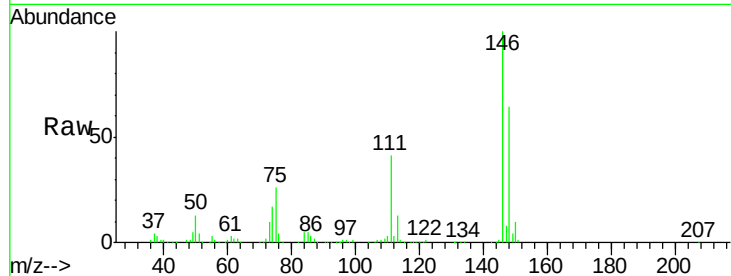
#91
 1,2-Dichlorobenzene
 Concen: 50.647 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.7
148	64.7	32.3	96.9

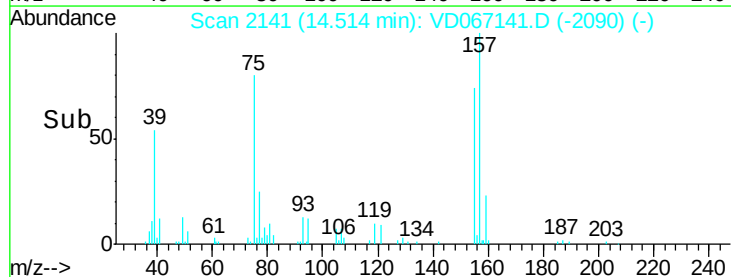
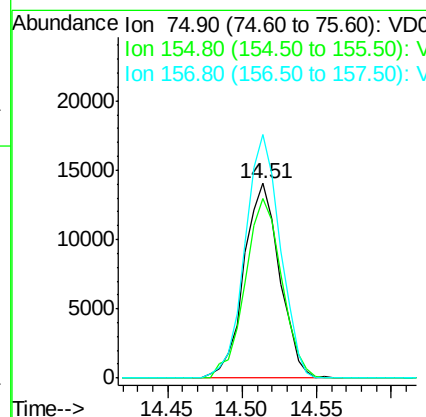
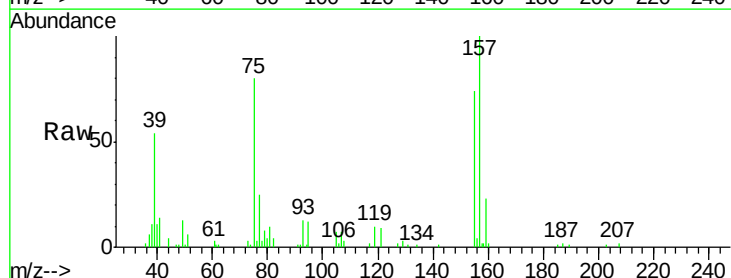
Manual Integrations
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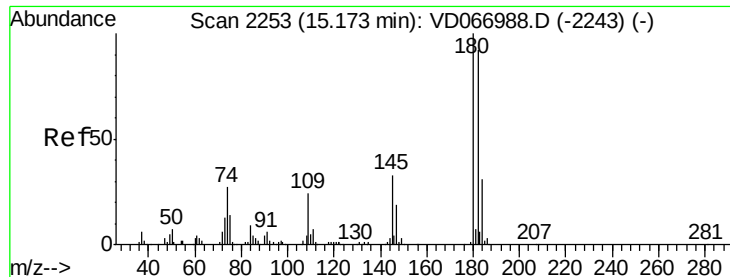
MMDadoda
 10/8/2020 5:39:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.431 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	45.2	135.6
157	122.5	56.3	168.8





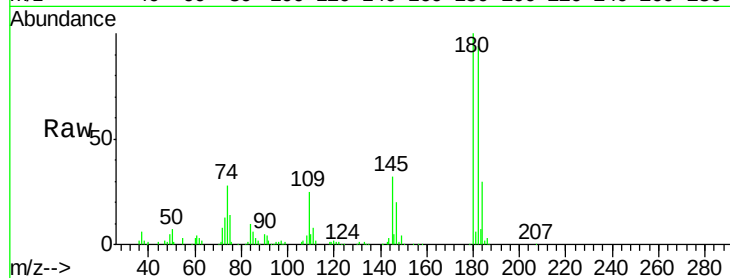
#93
 1,2,4-Trichlorobenzene
 Concen: 53.515 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

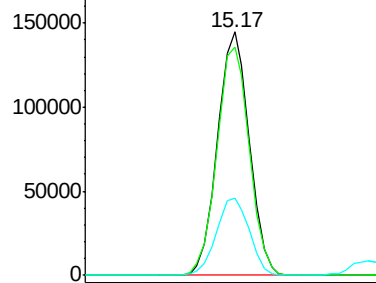
Tot Ion:	180	Resp:	252593
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.3	142.0
145	32.8	16.4	49.1

Manual Integrations
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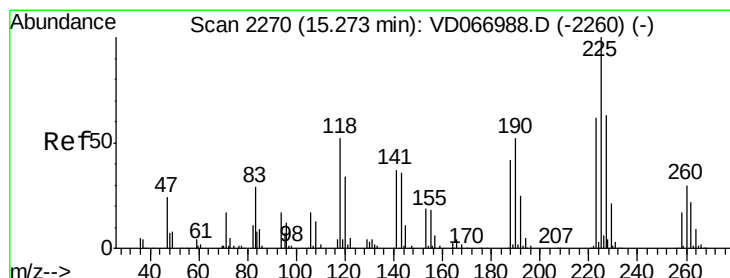
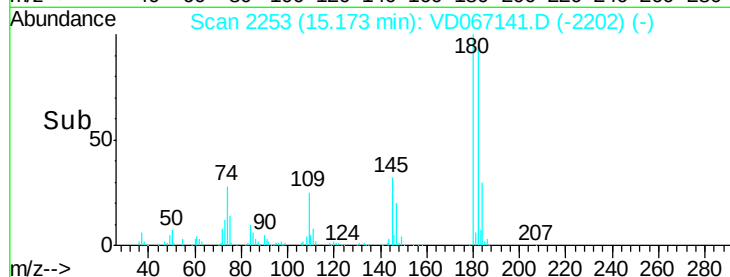
MMDadoda
 10/8/2020 5:39:27 PM



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

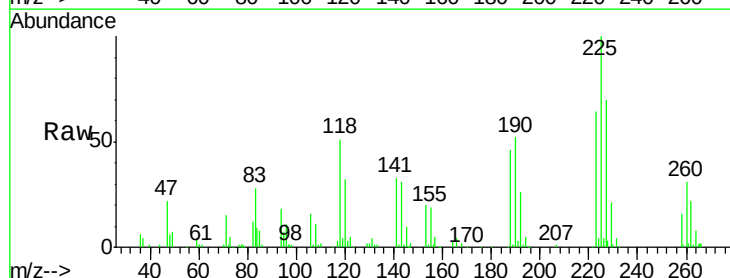


Time-->

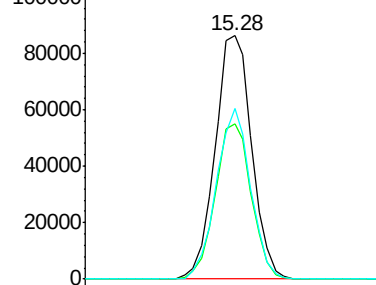


#94
 Hexachlorobutadiene
 Concen: 53.814 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067141.D
 Acq: 07 Oct 2020 09:57

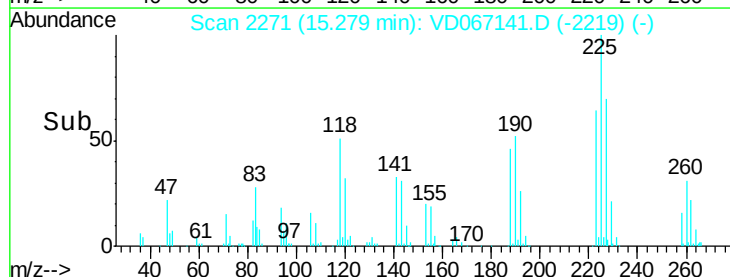
Tgt Ion:	225	Resp:	155995
Ion Ratio	Lower	Upper	
225	100		
223	63.1	32.4	97.0
227	65.9	31.6	95.0

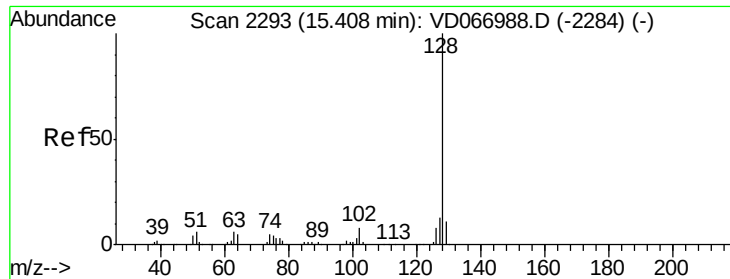


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





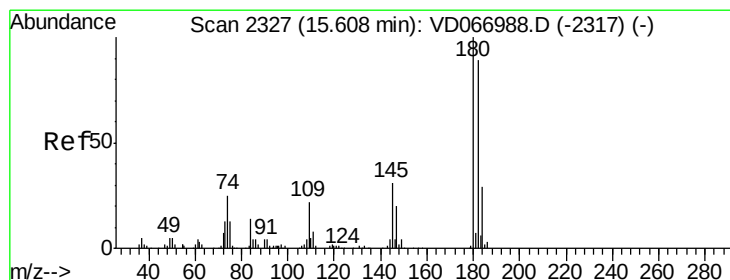
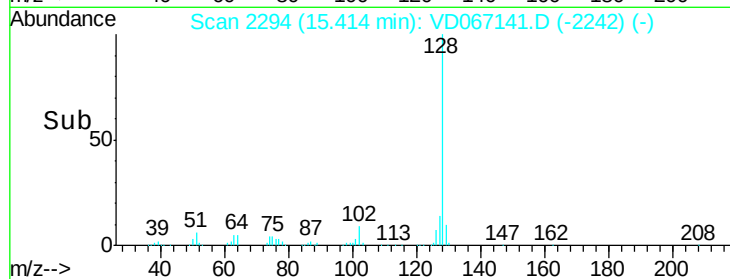
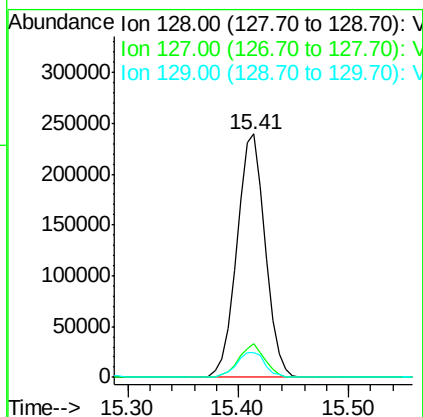
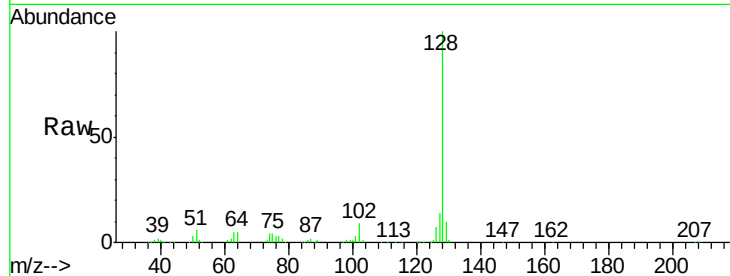
#95
Naphthalene
Concen: 54.713 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/8/2020 5:39:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.705 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD067141.D
Acq: 07 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.4	139.1
145	34.1	16.6	49.7

