

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
 Data File : VD066209.D
 Acq On : 13 Aug 2020 13:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/14/2020 5:11:53 PM

Quant Time: Aug 14 03:16:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	328657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	466268	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	416747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	216764	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	142102	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
35) Dibromofluoromethane	7.91	113	147100	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	10.34	98	542717	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.63	95	193334	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	124741	43.080	ug/l	100
3) Chloromethane	2.20	50	99639	44.236	ug/l	93
4) Vinyl Chloride	2.34	62	97737	49.012	ug/l	99
5) Bromomethane	2.77	94	69109	52.235	ug/l	100
6) Chloroethane	2.91	64	59484	48.594	ug/l #	89
7) Trichlorofluoromethane	3.27	101	258533	49.728	ug/l	97
8) Diethyl Ether	3.70	74	71862	48.988	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	153370	49.708	ug/l	98
10) Methyl Iodide	4.30	142	164129	57.298	ug/l	98
11) Tert butyl alcohol	5.21	59	51323	231.616	ug/l	97
12) 1,1-Dichloroethene	4.06	96	142958	49.116	ug/l	99
13) Acrolein	3.92	56	47522	203.616	ug/l	98
14) Allyl chloride	4.71	41	216553	49.110	ug/l	97
15) Acrylonitrile	5.42	53	152075	246.012	ug/l	97
16) Acetone	4.16	43	162928	292.853	ug/l	96
17) Carbon Disulfide	4.40	76	413372	44.667	ug/l	97
18) Methyl Acetate	4.71	43	66868	47.319	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	341633	51.209	ug/l	100
20) Methylene Chloride	4.96	84	176694	55.848	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	161414	48.275	ug/l	94
22) Diisopropyl ether	6.36	45	437978	50.228	ug/l	99
23) Vinyl Acetate	6.30	43	1295142	253.529	ug/l	100
24) 1,1-Dichloroethane	6.26	63	268261	49.711	ug/l	97
25) 2-Butanone	7.21	43	206265	252.070	ug/l	96
26) 2,2-Dichloropropane	7.20	77	257720	53.285	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	177053	50.485	ug/l	99
28) Bromochloromethane	7.54	49	95791	50.540	ug/l	99
29) Tetrahydrofuran	7.56	42	125912	248.357	ug/l	99
30) Chloroform	7.71	83	285334	50.355	ug/l	93
31) Cyclohexane	7.98	56	238742	46.476	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	277353	52.204	ug/l	100
36) 1,1-Dichloropropene	8.11	75	226750	51.752	ug/l	99
37) Ethyl Acetate	7.29	43	87467	50.384	ug/l	98
38) Carbon Tetrachloride	8.09	117	259756	53.163	ug/l	97

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Quant Time: Aug 14 03:16:35 2020
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	273383	51.615	ug/l	98
40) Benzene	8.35	78	613027	50.436	ug/l	100
41) Methacrylonitrile	7.52	41	51392	50.349	ug/l	98
42) 1,2-Dichloroethane	8.42	62	185296	51.894	ug/l	98
43) Isopropyl Acetate	8.45	43	176447	51.586	ug/l	99
44) Trichloroethene	9.11	130	190731	52.075	ug/l	98
45) 1,2-Dichloropropane	9.38	63	151743	51.045	ug/l	95
46) Dibromomethane	9.47	93	84549	51.635	ug/l	99
47) Bromodichloromethane	9.66	83	225531	52.113	ug/l	93
48) Methyl methacrylate	9.46	41	90287	51.694	ug/l	95
49) 1,4-Dioxane	9.46	88	20897	993.345	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	455890	259.479	ug/l	100
52) Toluene	10.40	92	410971	51.384	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	214821	52.305	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	257880	53.592	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	119590	50.720	ug/l	95
56) Ethyl methacrylate	10.66	69	151072	53.336	ug/l	96
57) 1,3-Dichloropropane	10.94	76	200537	51.231	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	348855	273.811	ug/l	100
59) 2-Hexanone	10.98	43	324906	263.497	ug/l	98
60) Dibromochloromethane	11.14	129	166181	51.051	ug/l	99
61) 1,2-Dibromoethane	11.24	107	117062	51.625	ug/l	99
64) Tetrachloroethene	10.87	164	162561	50.798	ug/l	95
65) Chlorobenzene	11.67	112	446914	52.826	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	176042	53.182	ug/l	99
67) Ethyl Benzene	11.74	91	806285	54.997	ug/l	96
68) m/p-Xylenes	11.86	106	609070	107.229	ug/l	97
69) o-Xylene	12.18	106	280659	54.317	ug/l	99
70) Styrene	12.20	104	488422	53.937	ug/l	99
71) Bromoform	12.36	173	103171	52.606	ug/l #	99
73) Isopropylbenzene	12.48	105	798666	55.197	ug/l	100
74) N-amyl acetate	12.29	43	170010	53.357	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	130029	52.701	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	85744m	47.434	ug/l	
77) Bromobenzene	12.76	156	194820	52.304	ug/l	99
78) n-propylbenzene	12.82	91	919270	54.654	ug/l	100
79) 2-Chlorotoluene	12.91	91	516579	53.699	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	662962	54.786	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	44888	54.893	ug/l	99
82) 4-Chlorotoluene	13.01	91	542229	53.395	ug/l	100
83) tert-Butylbenzene	13.23	119	575531	54.081	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	662337	54.692	ug/l	100
85) sec-Butylbenzene	13.41	105	795469	55.363	ug/l	100
86) p-Isopropyltoluene	13.52	119	747017	55.433	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	366452	52.347	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	366592	52.509	ug/l	99
89) n-Butylbenzene	13.85	91	668636	55.378	ug/l	98
90) Hexachloroethane	14.11	117	144922	53.921	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	324892	52.477	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21960	51.786	ug/l	97

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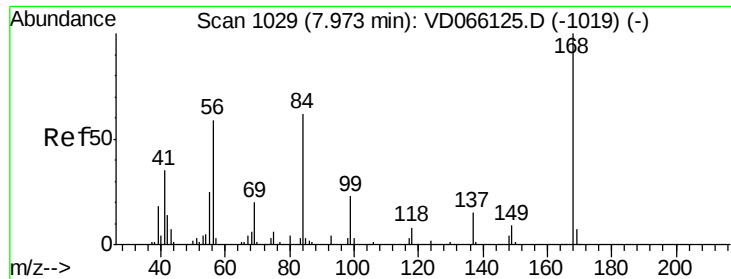
Manual Integrations
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MMDadoda
8/14/2020 5:11:53 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	255431	55.986	ug/l	98
94) Hexachlorobutadiene	15.27	225	149785	55.752	ug/l	98
95) Naphthalene	15.41	128	416497	56.025	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	216329	53.712	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 328657

Ion Ratio Lower Upper

168 100

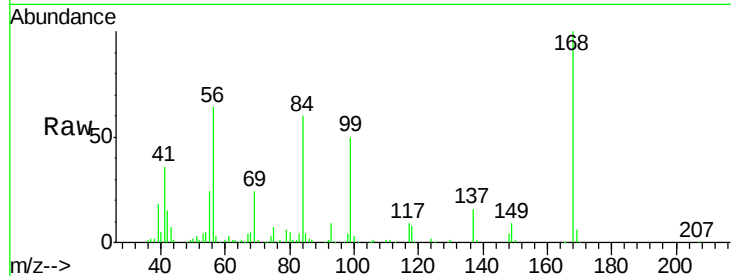
99 49.5 42.2 63.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

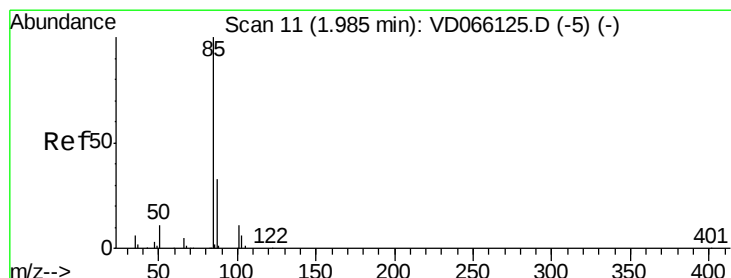
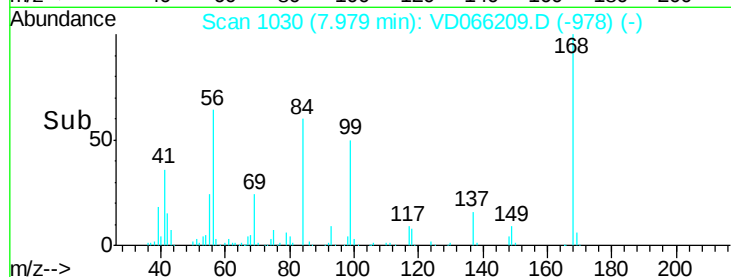
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50000

0

7.90 7.98 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.080 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066209.D

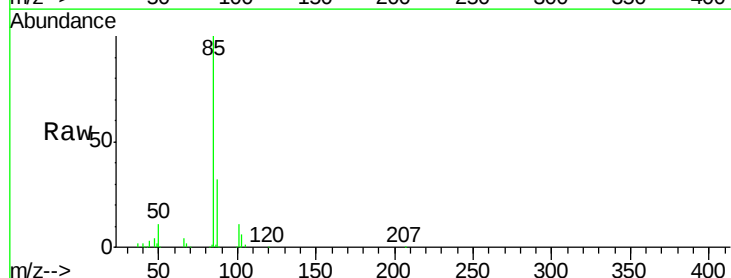
Acq: 13 Aug 2020 13:45

Tgt Ion: 85 Resp: 124741

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

80000

60000

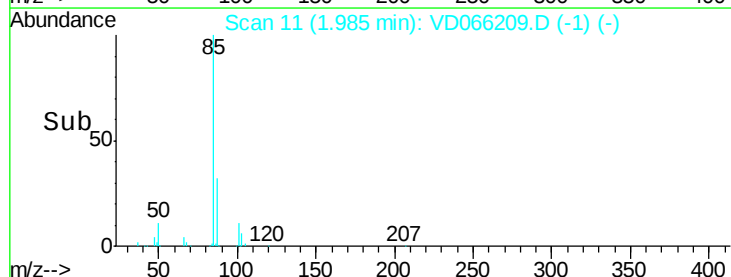
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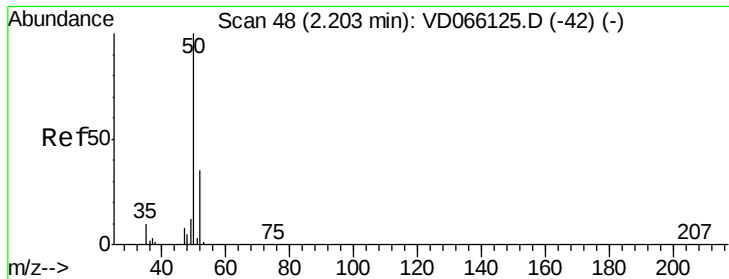
20000

0

1.90 1.95 1.99 2.05 2.10

Time-->





#3

Chloromethane

Concen: 44.236 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 99639

Ion Ratio Lower Upper

50 100

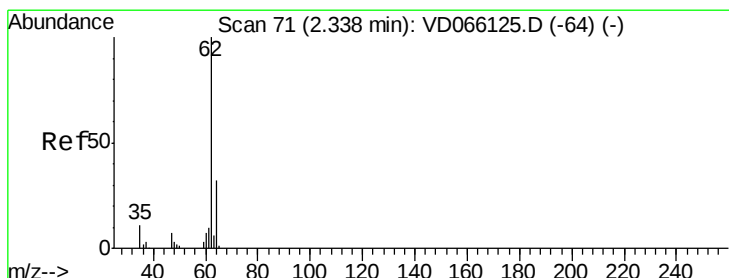
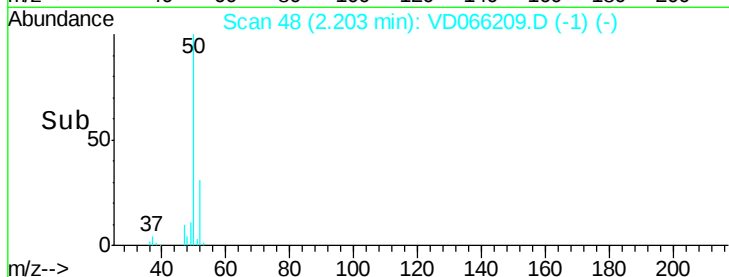
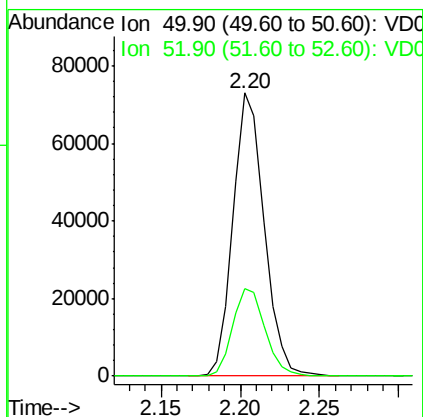
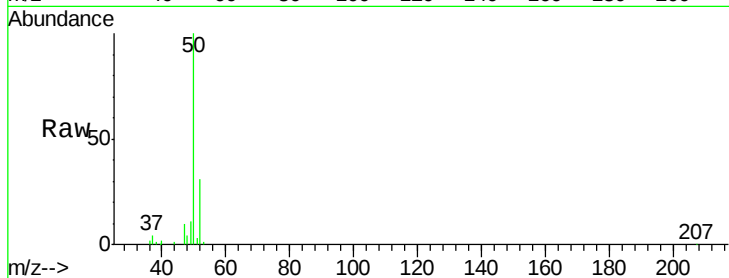
52 30.9 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.012 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066209.D

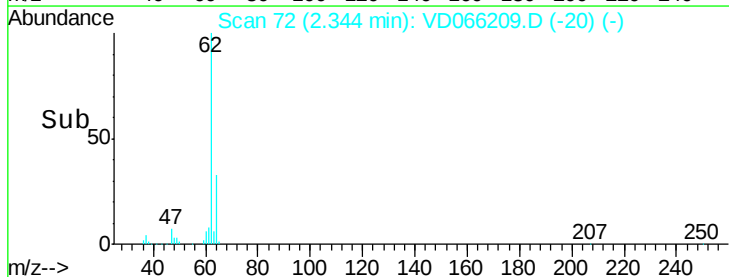
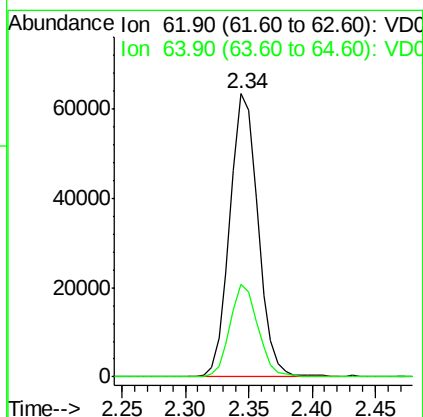
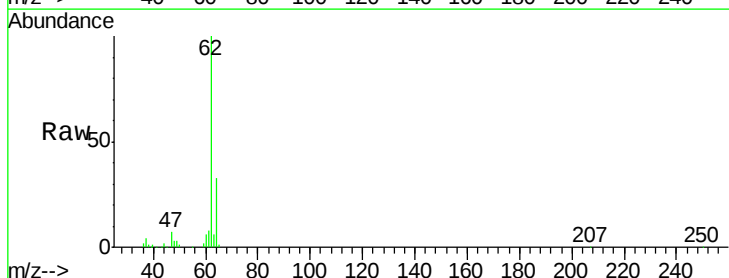
Acq: 13 Aug 2020 13:45

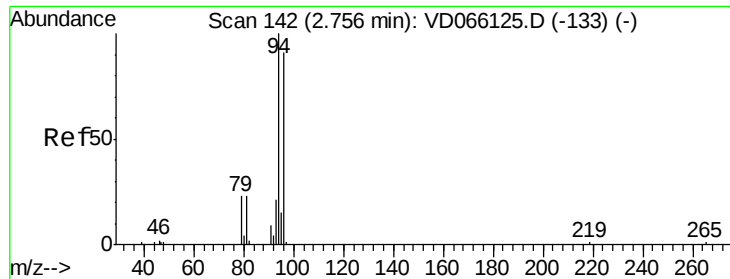
Tgt Ion: 62 Resp: 97737

Ion Ratio Lower Upper

62 100

64 32.8 25.8 38.8





#5

Bromomethane

Concen: 52.235 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 69109

Ion Ratio Lower Upper

94 100

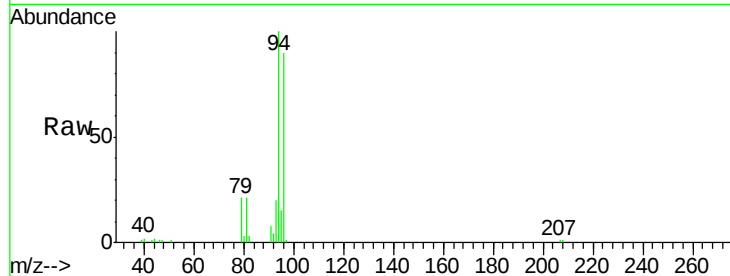
96 90.4 72.6 109.0

Manual Integrations

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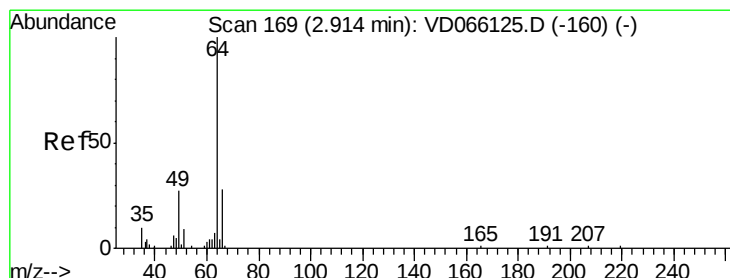
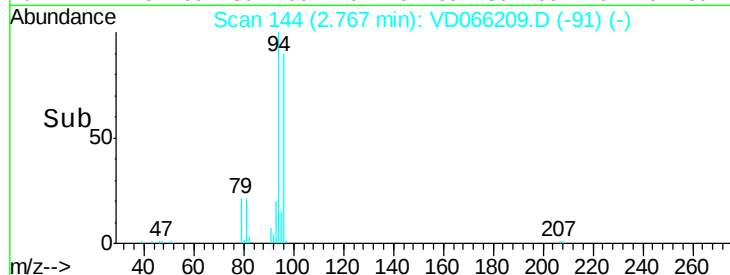
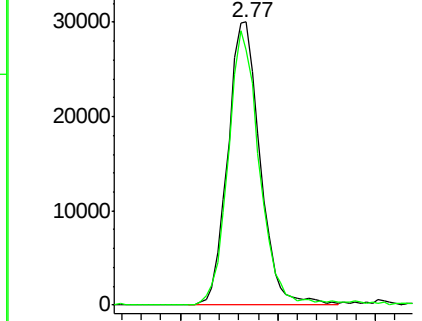
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.594 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066209.D

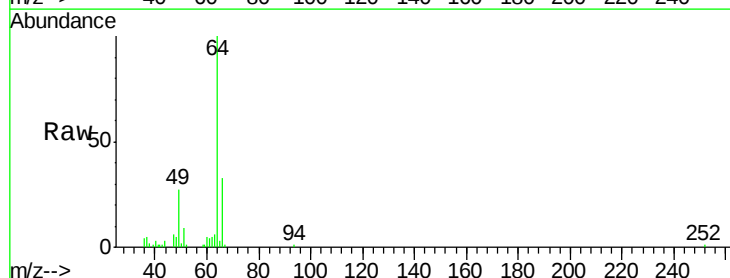
Acq: 13 Aug 2020 13:45

Tgt Ion: 64 Resp: 59484

Ion Ratio Lower Upper

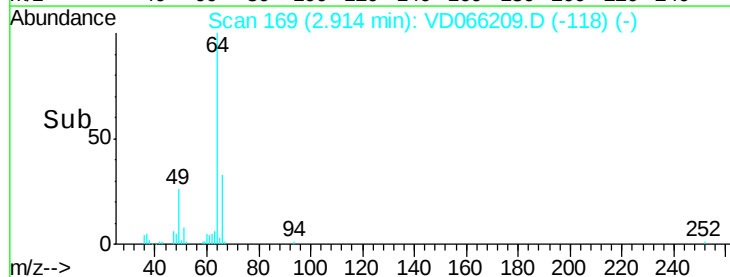
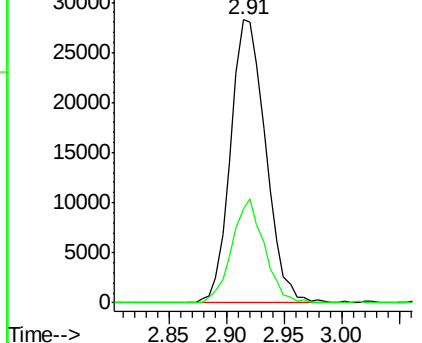
64 100

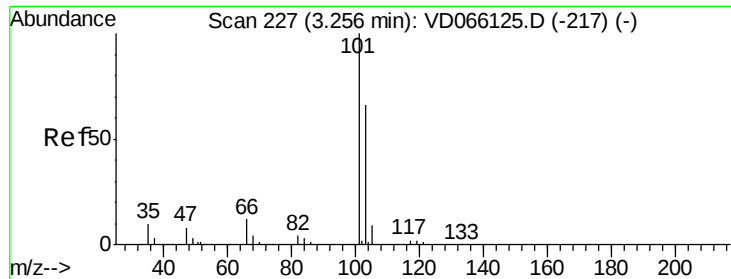
66 33.0 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

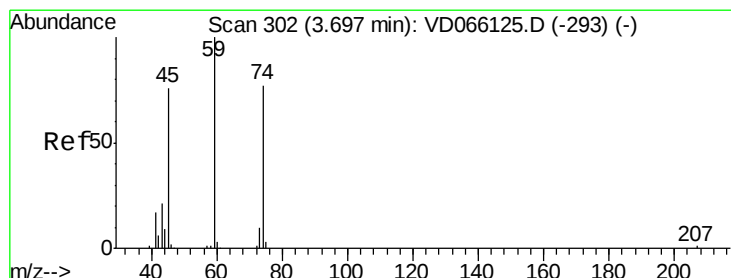
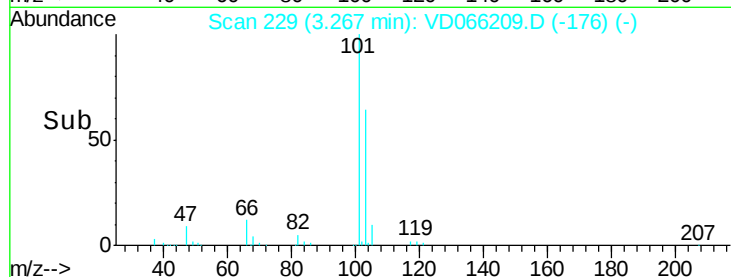
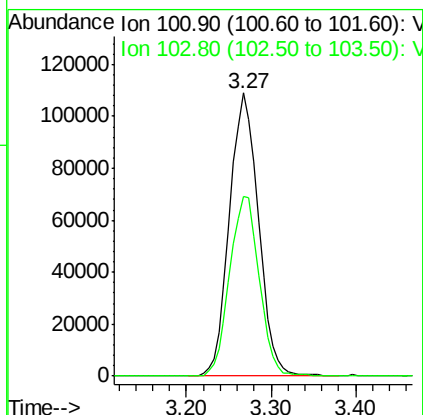
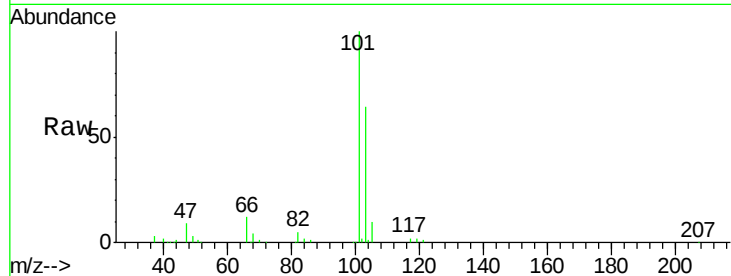
Trichlorofluoromethane
 Concen: 49.728 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	258533		
103	63.7	53.0	79.6	

Manual Integrations
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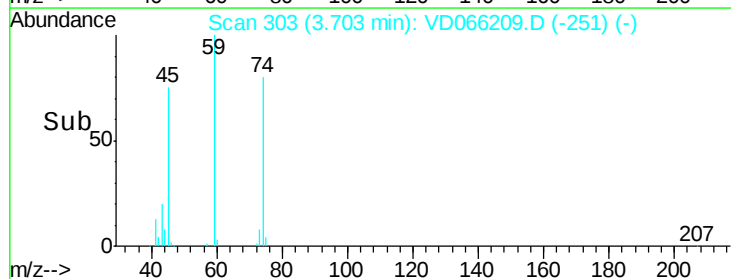
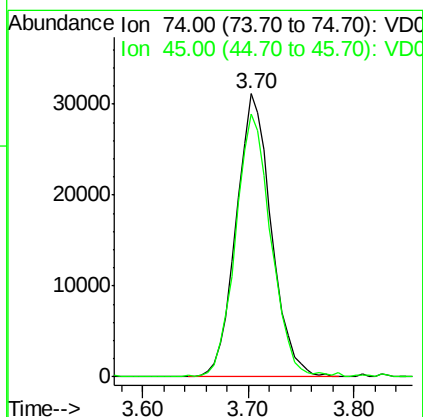
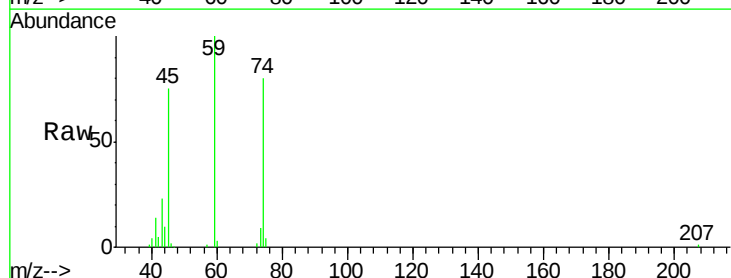
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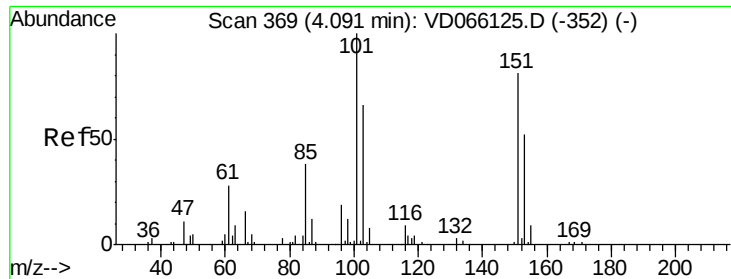


#8

Diethyl Ether
 Concen: 48.988 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	71862		
45	93.4	48.4	145.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.708 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

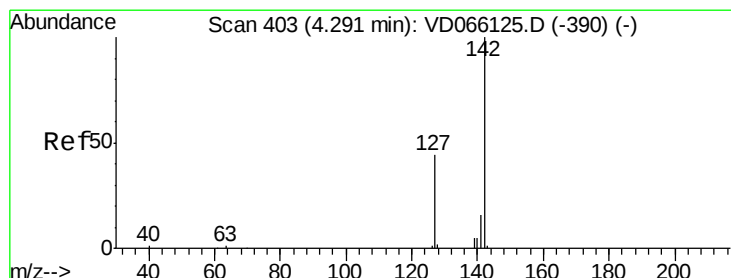
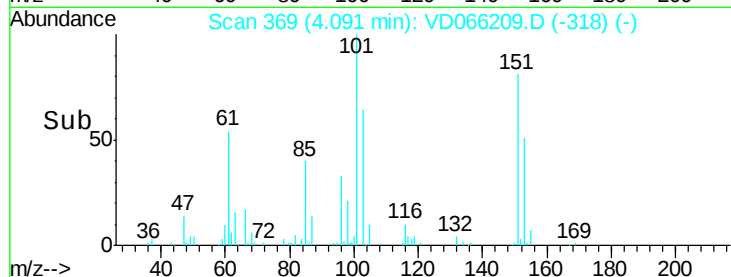
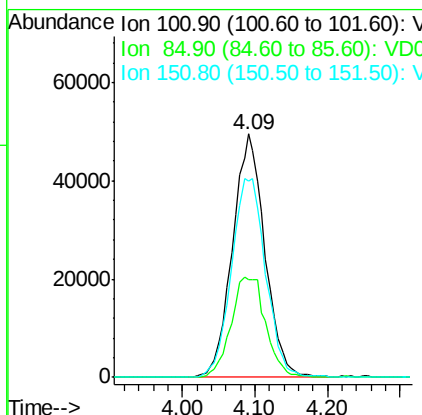
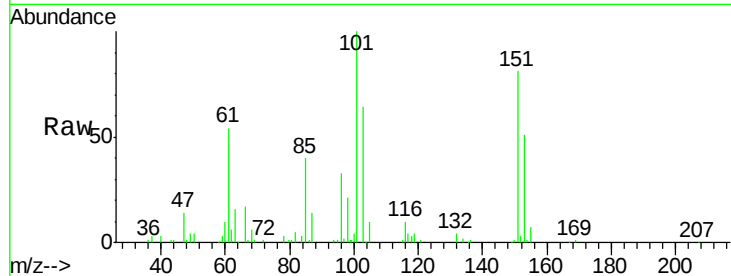
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	153370
Ion Ratio	Lower	Upper	
101	100		
85	43.9	33.5	50.3
151	86.6	67.8	101.8

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#10

Methyl Iodide

Concen: 57.298 ug/l

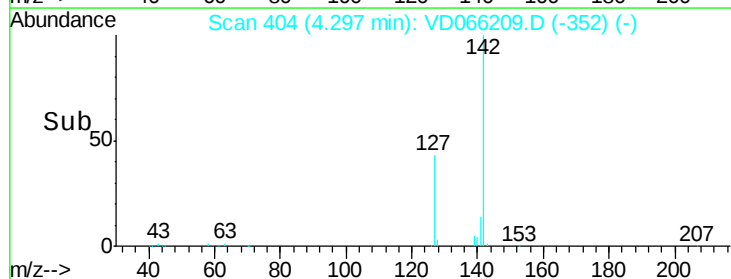
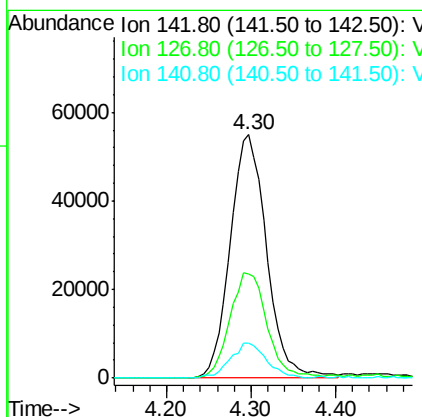
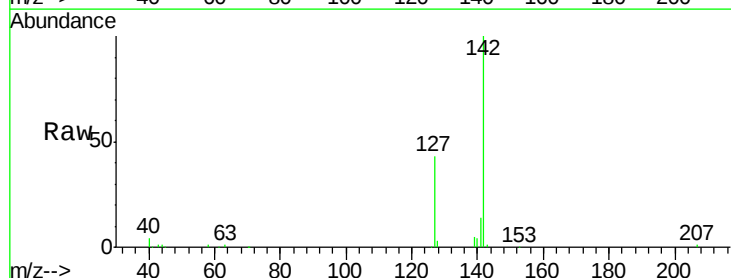
RT: 4.30 min Scan# 404

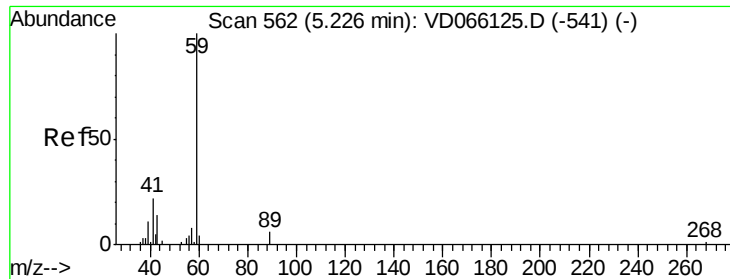
Delta R.T. 0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Tgt Ion:	142	Resp:	164129
Ion Ratio	Lower	Upper	
142	100		
127	44.2	36.2	54.4
141	14.2	12.6	18.8





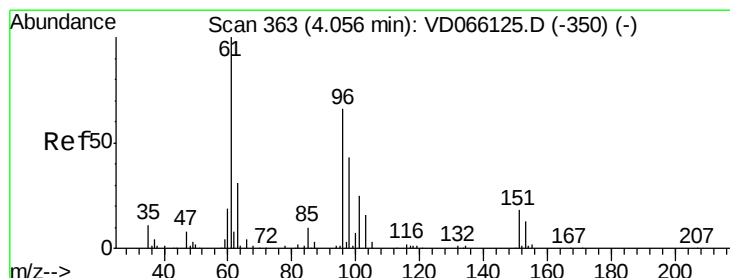
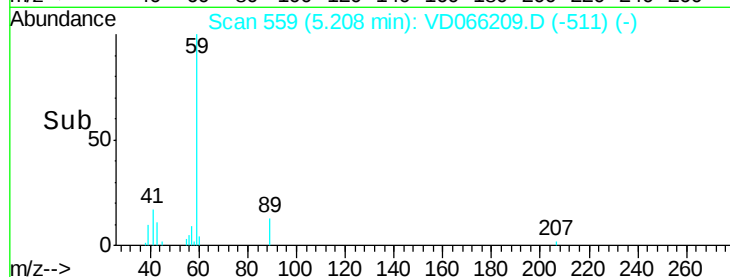
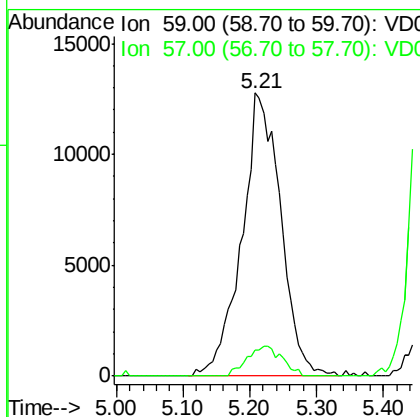
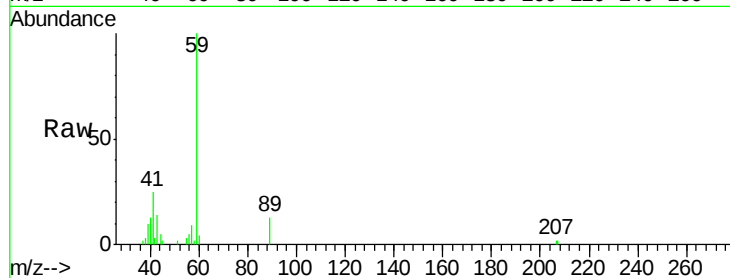
#11
Tert butyl alcohol
Concen: 231.616 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.0	10.4

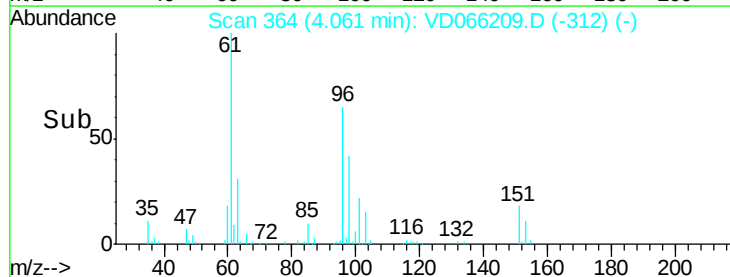
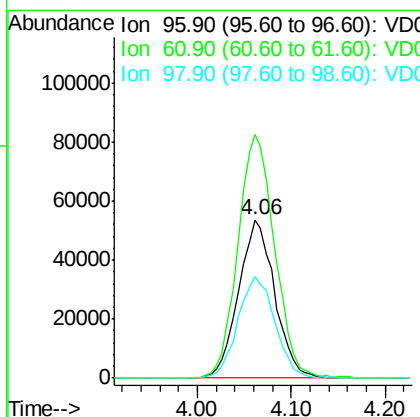
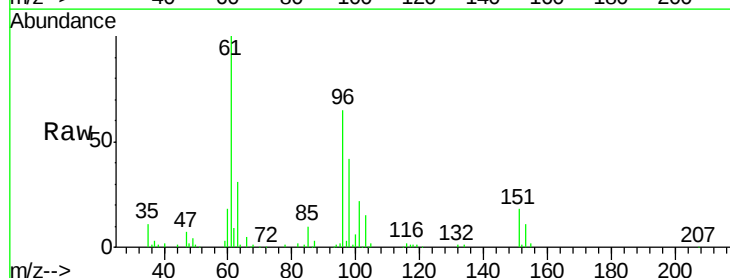
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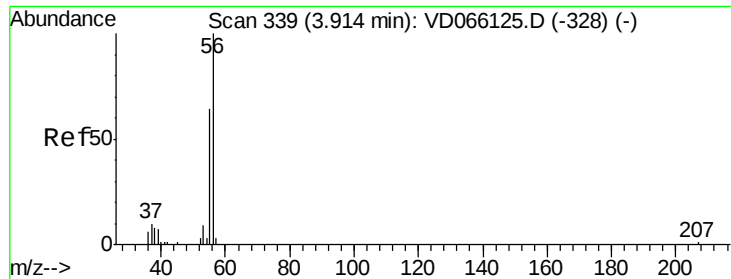
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.116 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.2	121.6	182.4
98	64.4	52.0	78.0





#13

Acrolein

Concen: 203.616 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 47522

Ion Ratio Lower Upper

56 100

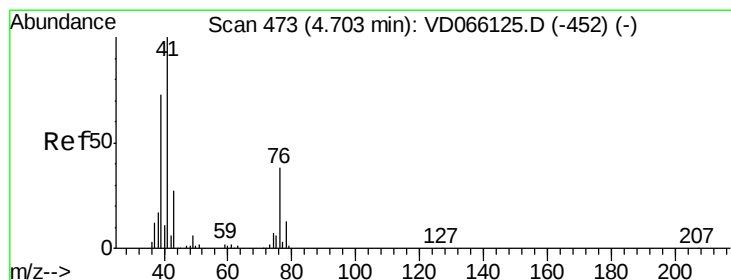
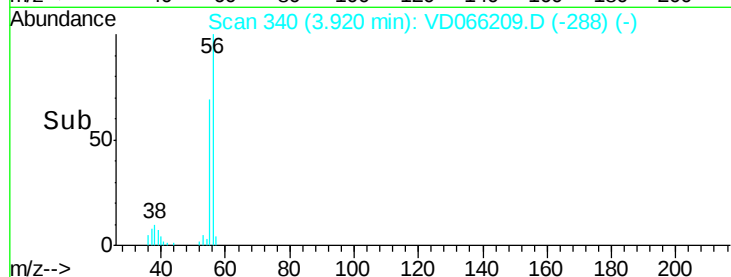
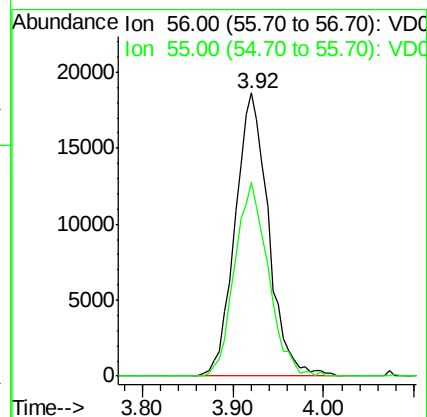
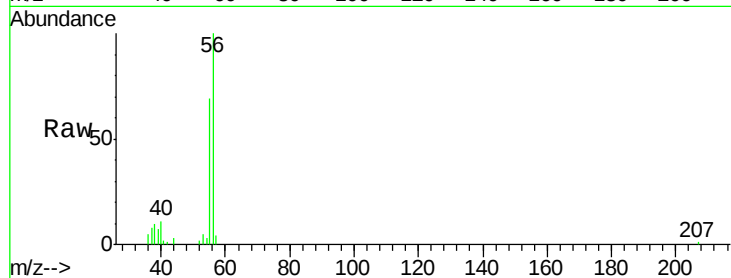
55 68.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 49.110 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

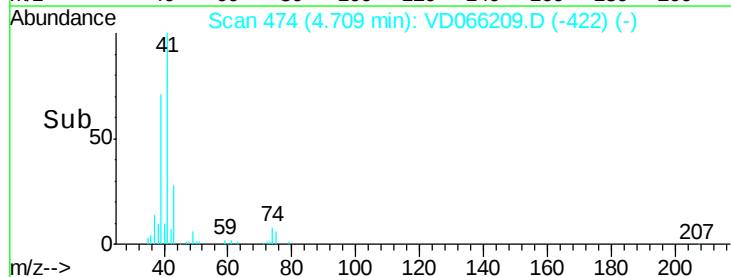
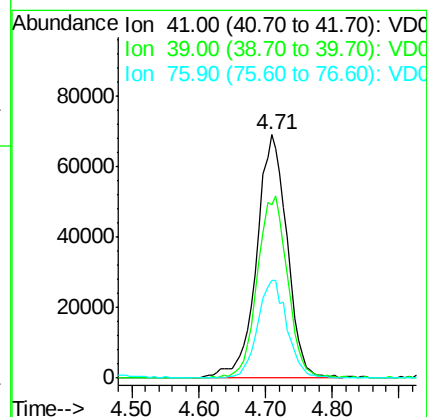
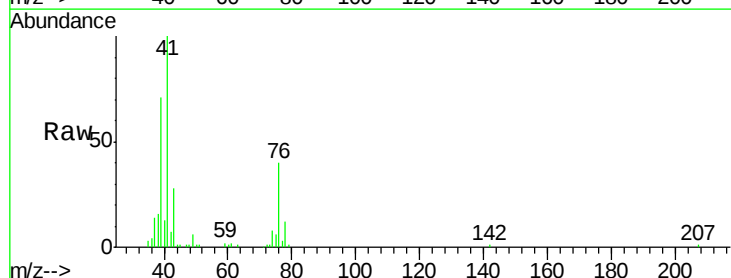
Tgt Ion: 41 Resp: 216553

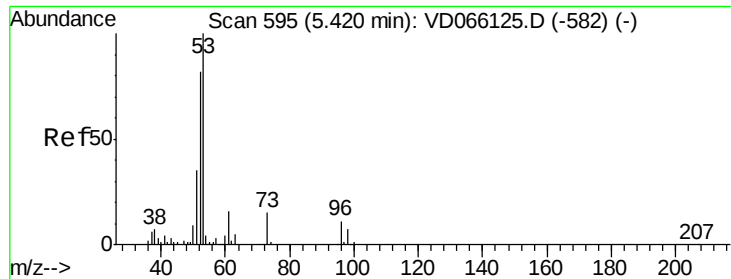
Ion Ratio Lower Upper

41 100

39 74.1 57.4 86.0

76 38.7 30.1 45.1





#15

Acrylonitrile

Concen: 246.012 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

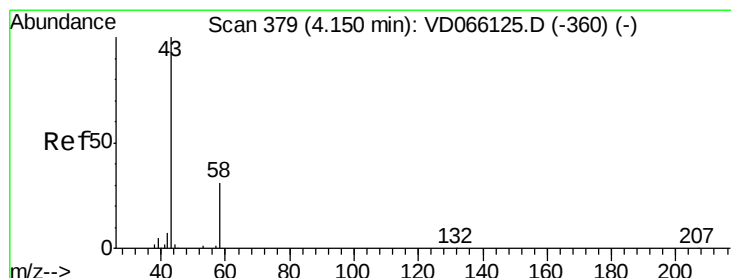
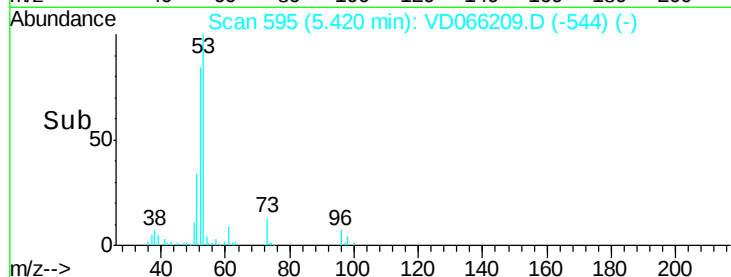
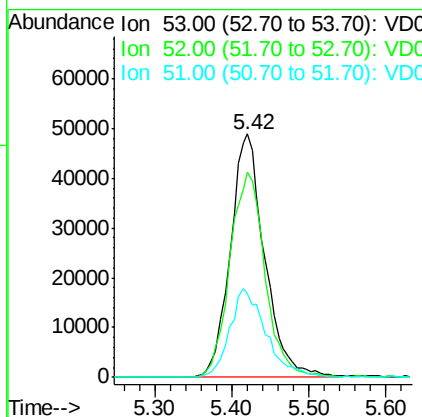
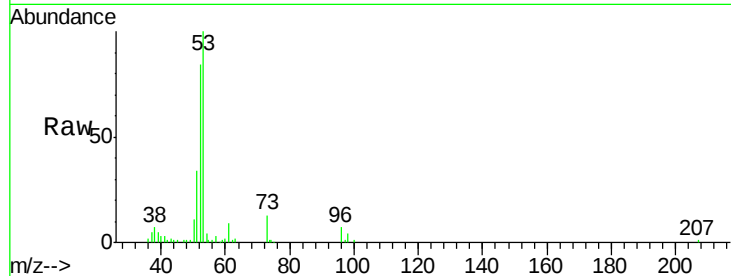
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	152075
Ion	Ratio	Lower	Upper
53	100		
52	86.3	66.1	99.1
51	38.5	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 292.853 ug/l

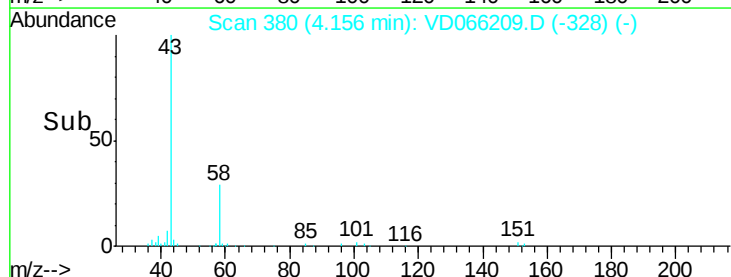
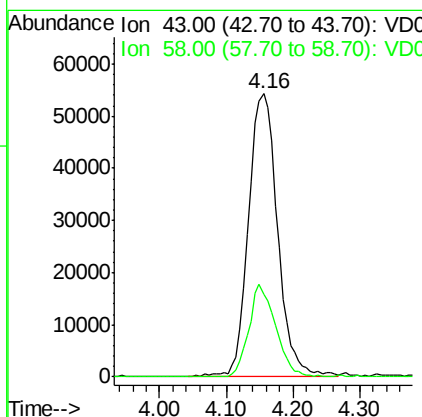
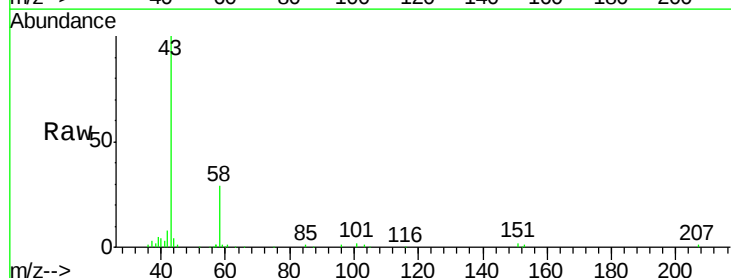
RT: 4.16 min Scan# 380

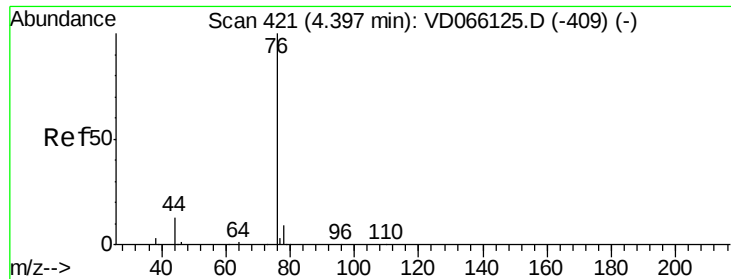
Delta R.T. 0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Tgt Ion:	43	Resp:	162928
Ion	Ratio	Lower	Upper
43	100		
58	29.0	24.7	37.1





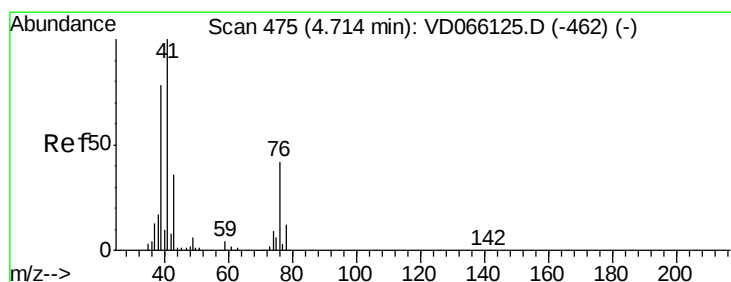
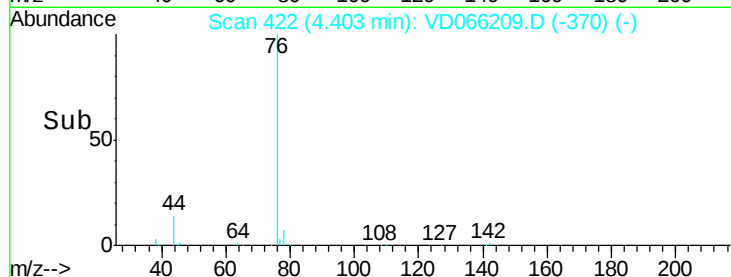
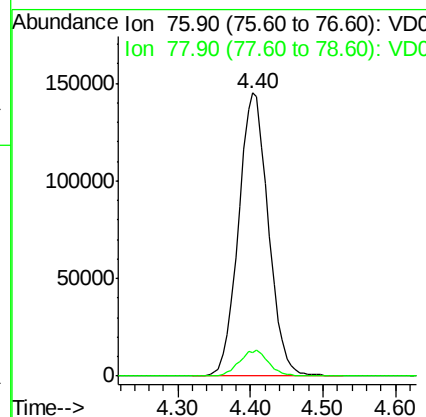
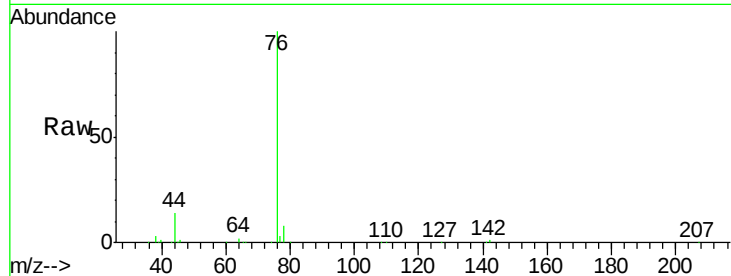
#17
Carbon Disulfide
Concen: 44.667 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.5	11.3

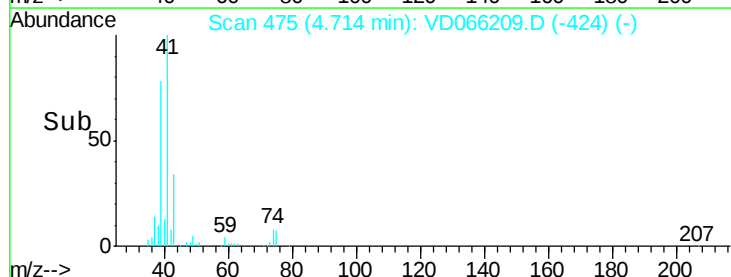
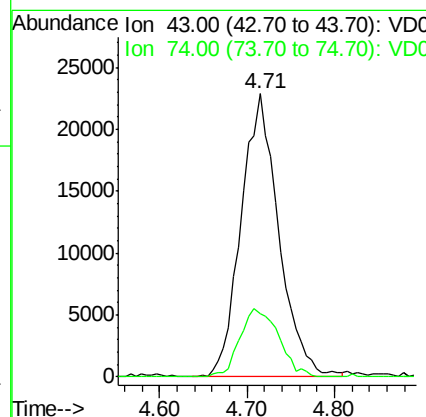
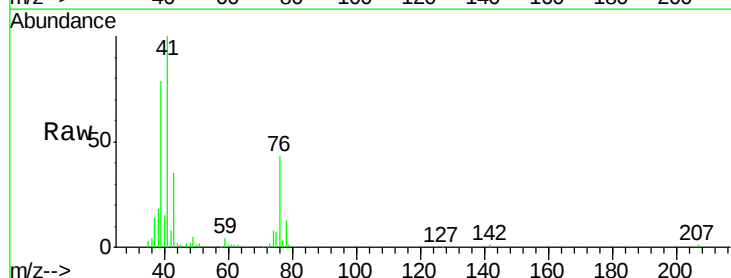
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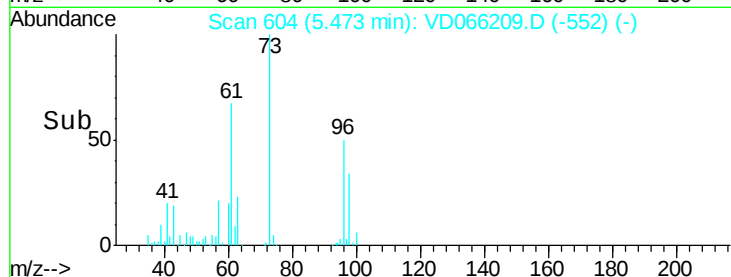
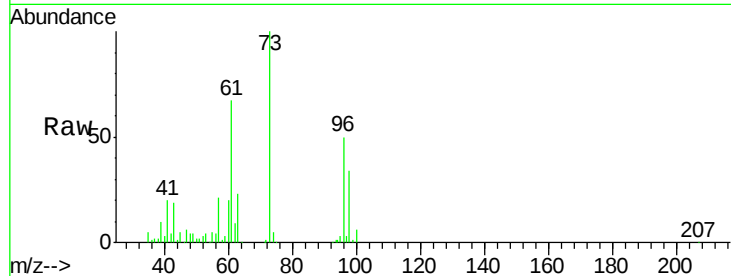
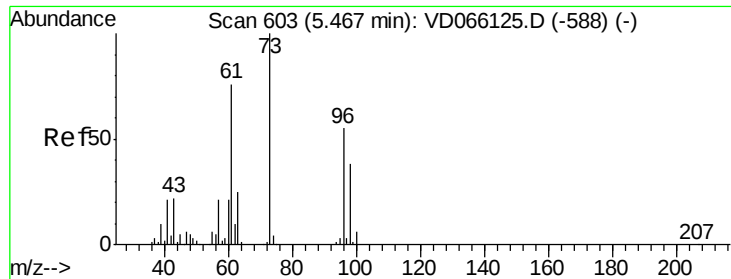
MMDadoda
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#18
Methyl Acetate
Concen: 47.319 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	21.2	31.8





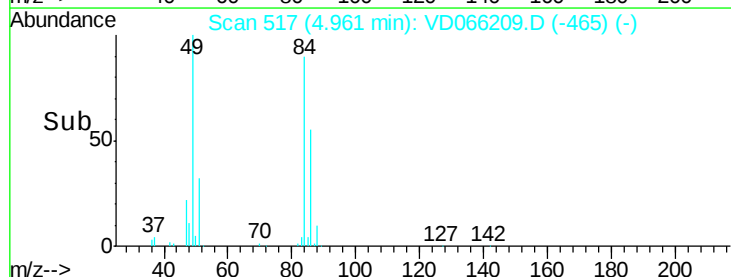
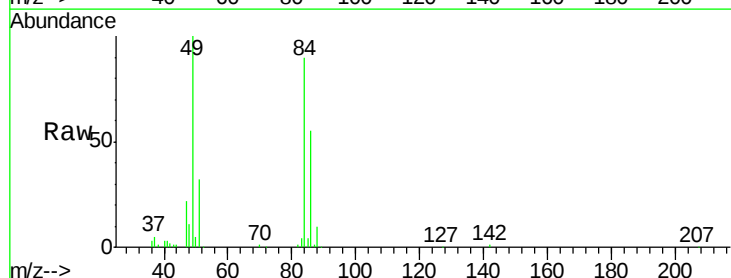
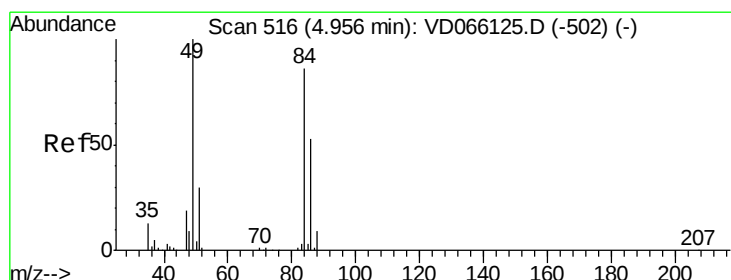
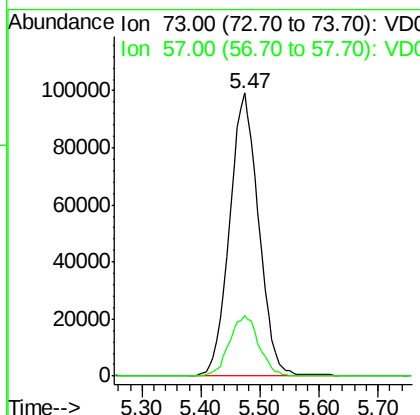
#19
Methyl tert-butyl Ether
Concen: 51.209 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tot Ion: 73 Resp: 341633
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

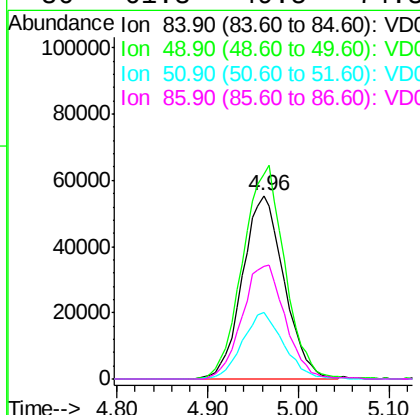
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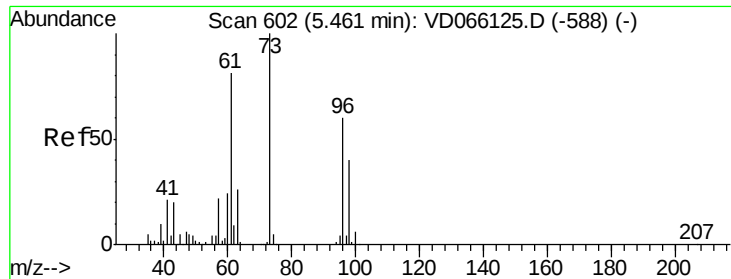
MMDadoda
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#20
Methylene Chloride
Concen: 55.848 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion: 84 Resp: 176694
Ion Ratio Lower Upper
84 100
49 111.7 93.5 140.3
51 36.0 28.2 42.4
86 61.3 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 48.275 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

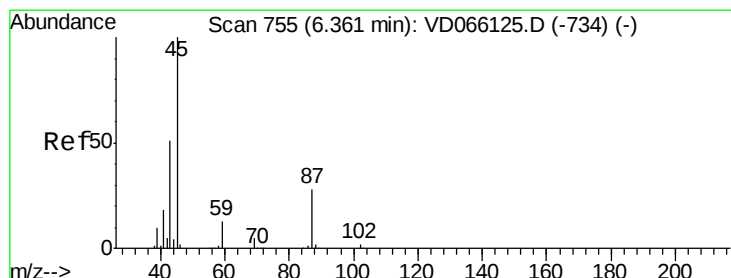
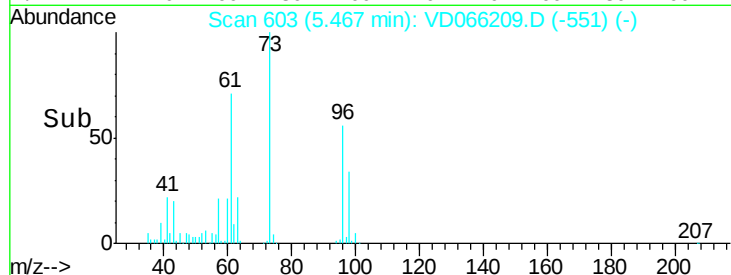
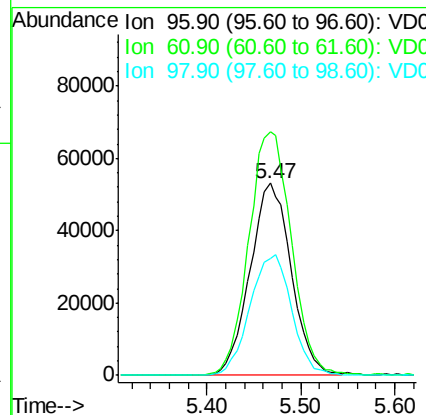
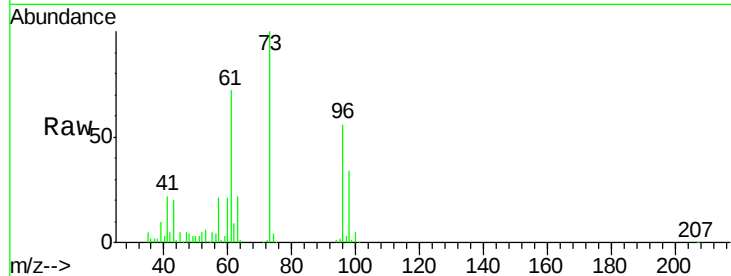
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	161414
Ion	Ratio	Lower	Upper
96	100		
61	126.9	106.9	160.3
98	61.1	53.4	80.0

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#22

Diisopropyl ether

Concen: 50.228 ug/l

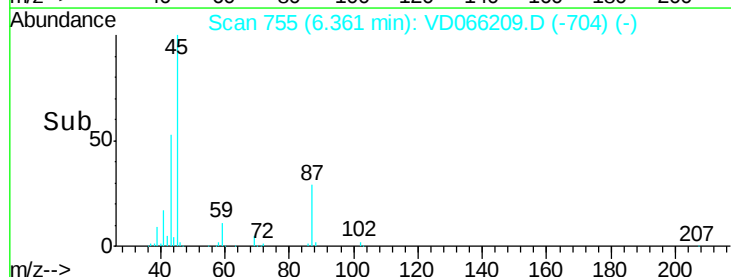
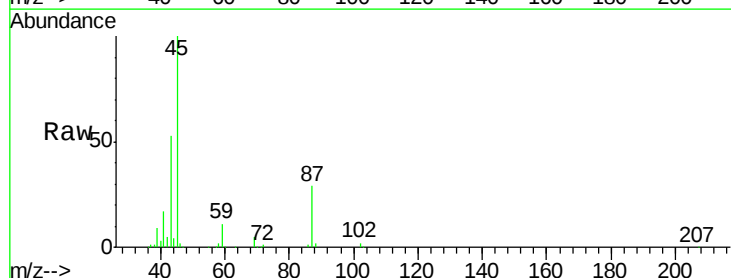
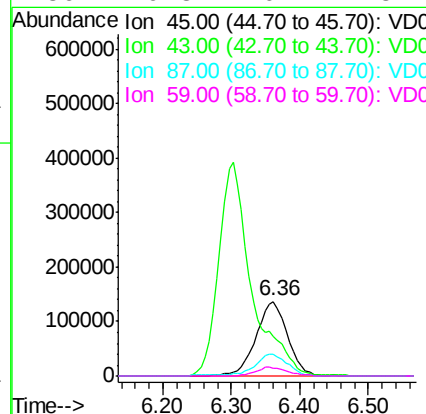
RT: 6.36 min Scan# 755

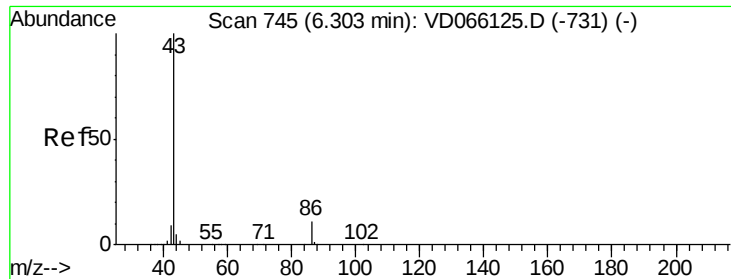
Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Tgt Ion:	45	Resp:	437978
Ion	Ratio	Lower	Upper
45	100		
43	51.7	41.2	61.8
87	28.9	22.8	34.2
59	10.8	10.2	15.2





#23

Vinyl Acetate

Concen: 253.529 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1295142

Ion Ratio Lower Upper

43 100

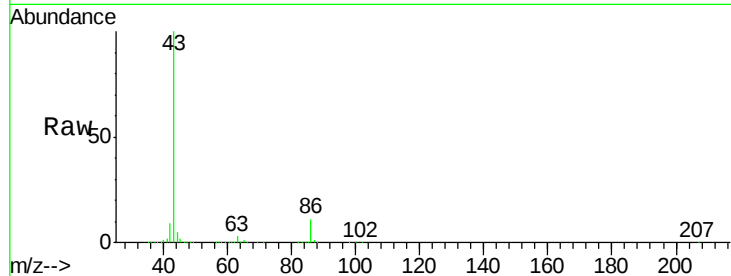
86 11.5 9.1 13.7

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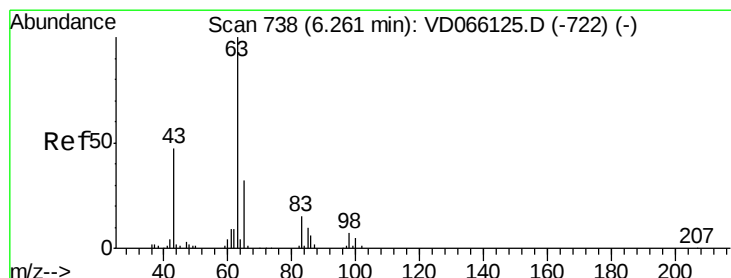
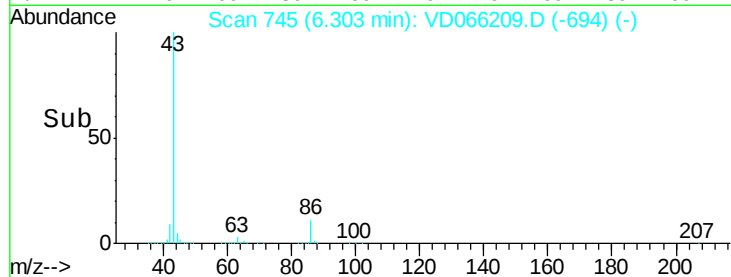
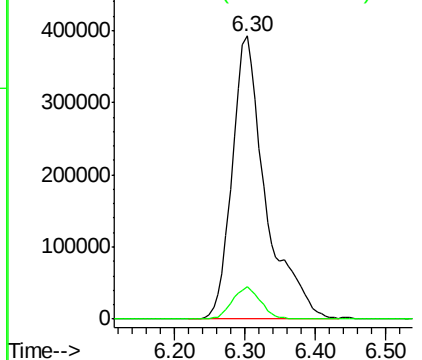
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.711 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

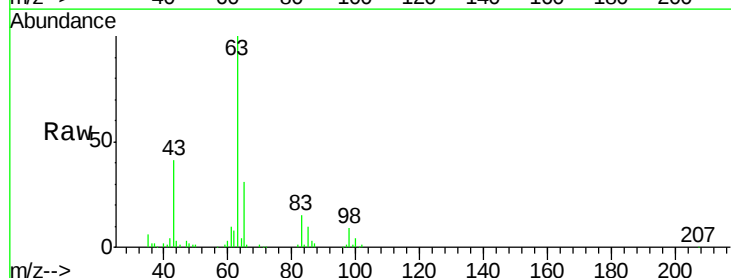
Tgt Ion: 63 Resp: 268261

Ion Ratio Lower Upper

63 100

98 8.6 3.5 10.5

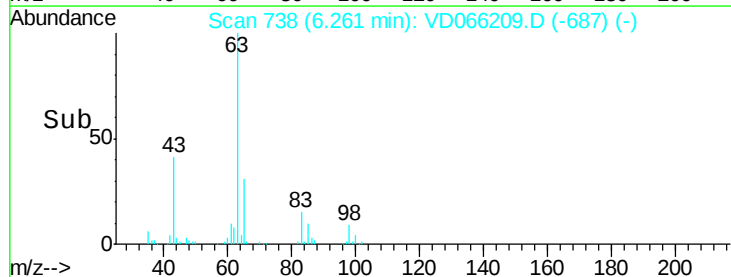
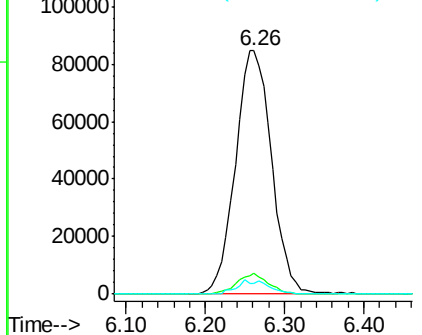
100 4.3 2.4 7.2

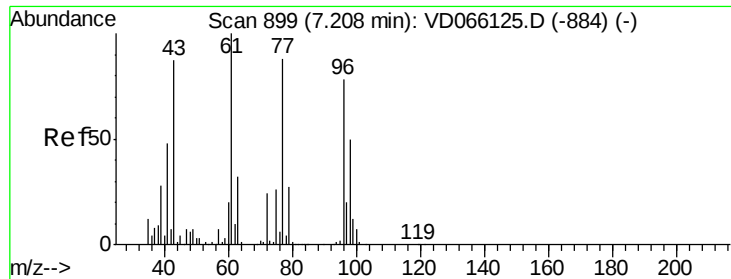


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 252.070 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 206265

Ion Ratio Lower Upper

43 100

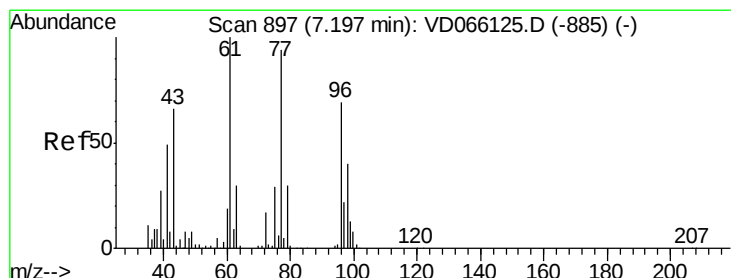
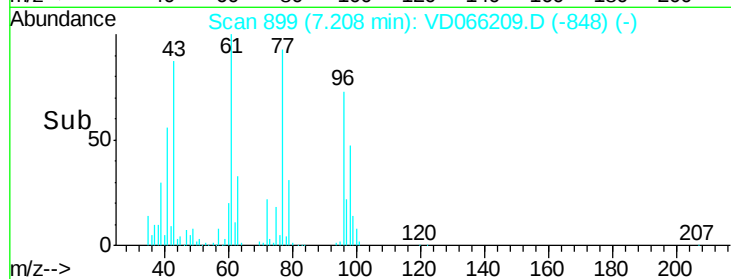
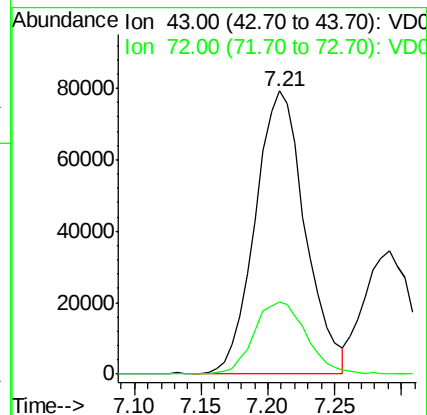
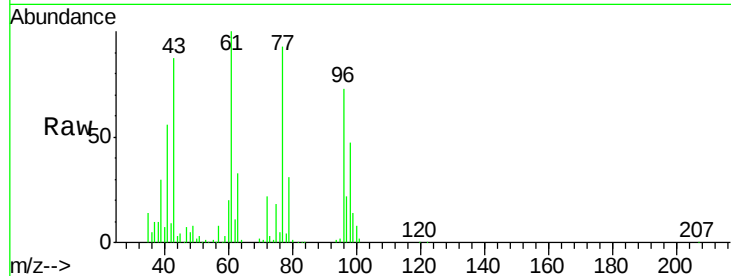
72 25.6 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.285 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066209.D

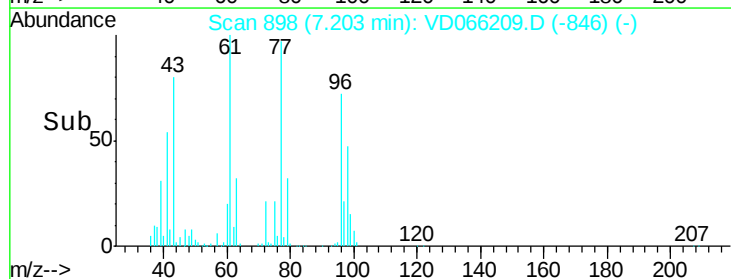
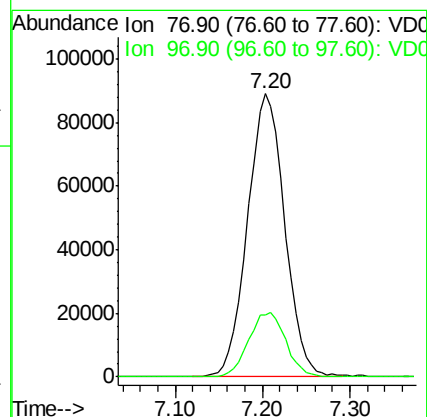
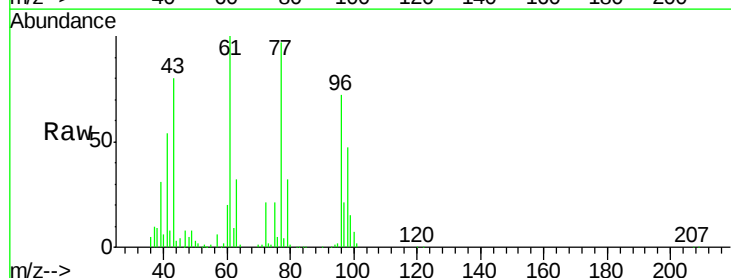
Acq: 13 Aug 2020 13:45

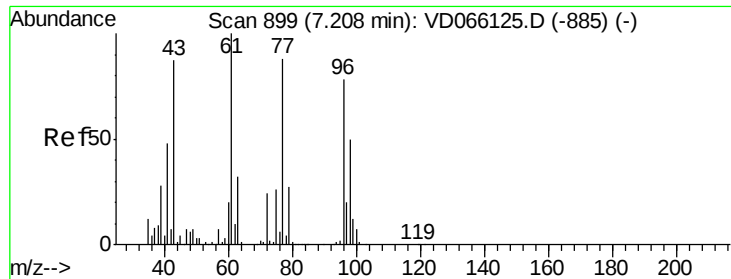
Tgt Ion: 77 Resp: 257720

Ion Ratio Lower Upper

77 100

97 22.8 11.8 35.3





#27

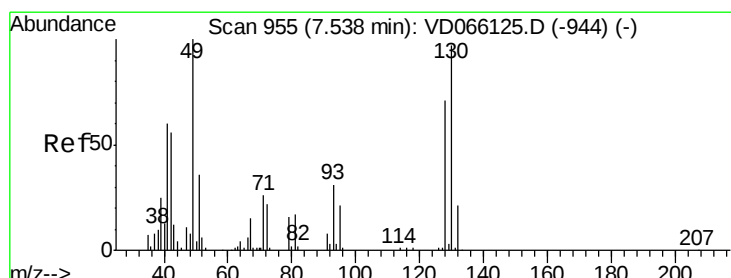
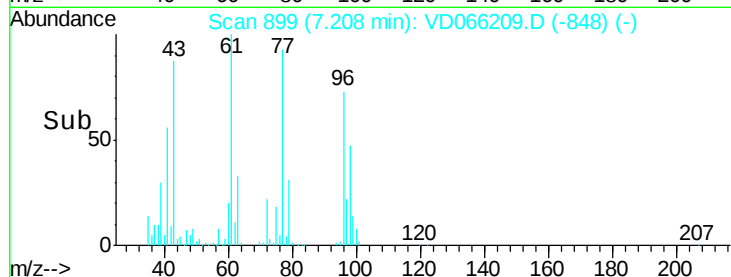
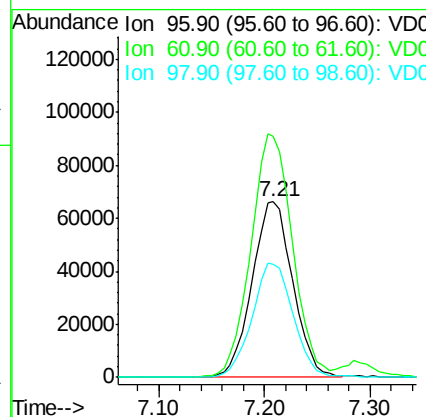
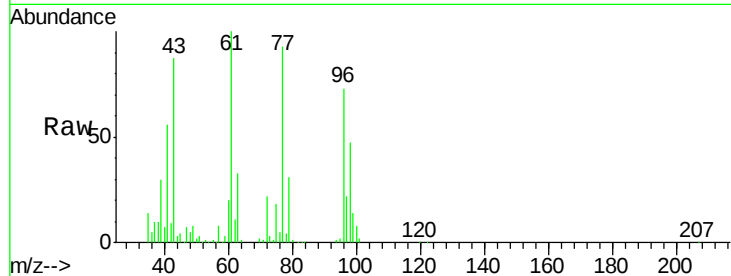
cis-1,2-Dichloroethene
Concen: 50.485 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	177053		
61	141.9	0.0	281.6	
98	66.0	0.0	130.8	

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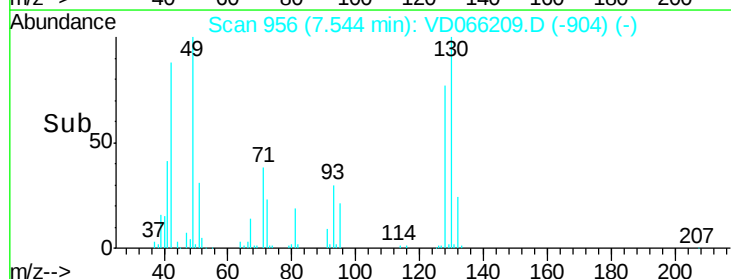
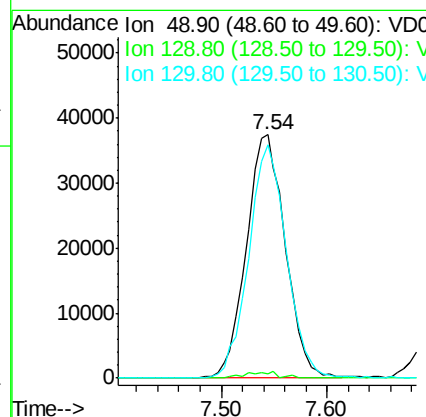
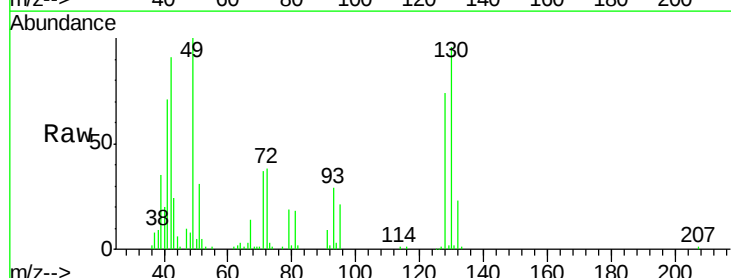
MMDadoda
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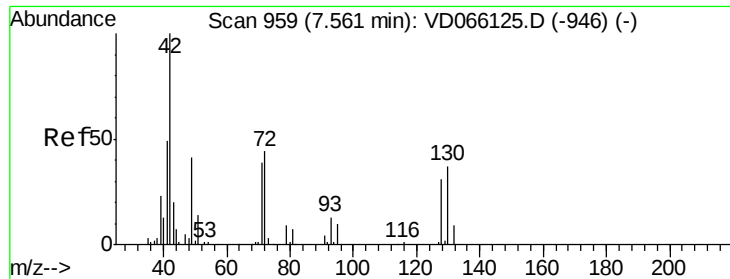


#28

Bromochloromethane
Concen: 50.540 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	95791		
129	2.3	0.0	6.0	
130	93.3	73.8	110.6	





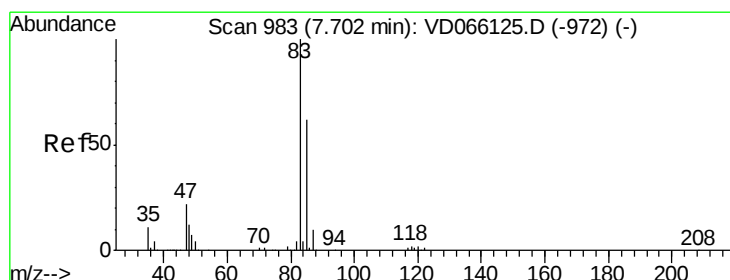
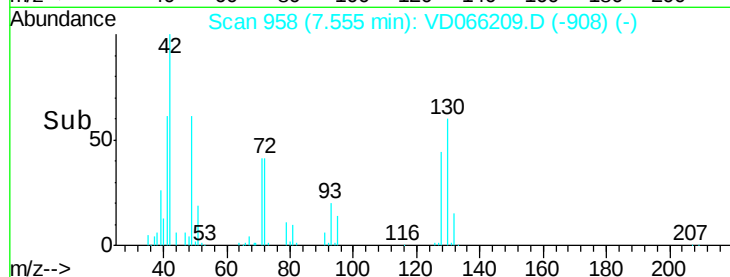
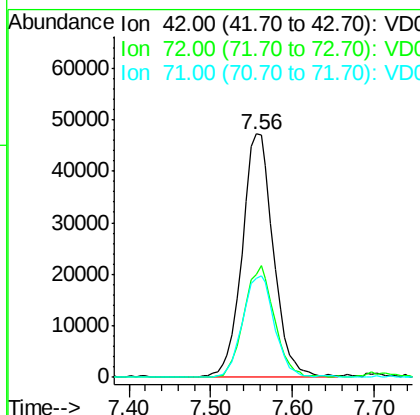
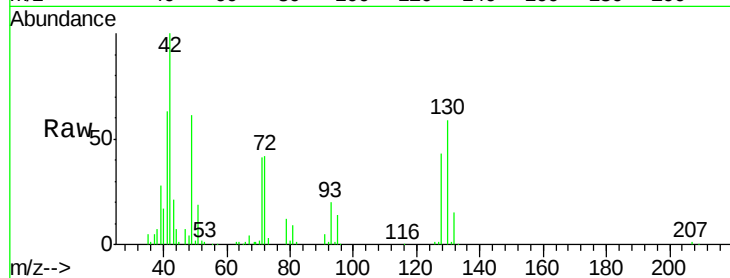
#29
Tetrahydrofuran
Concen: 248.357 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.8	52.2
71	42.1	33.5	50.3

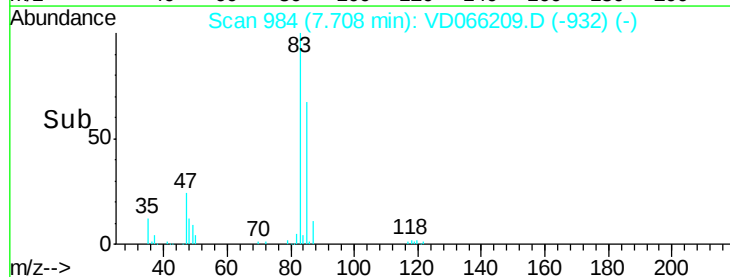
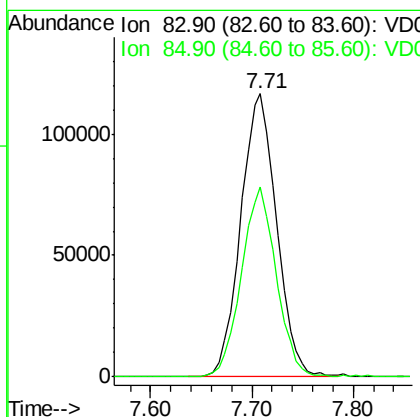
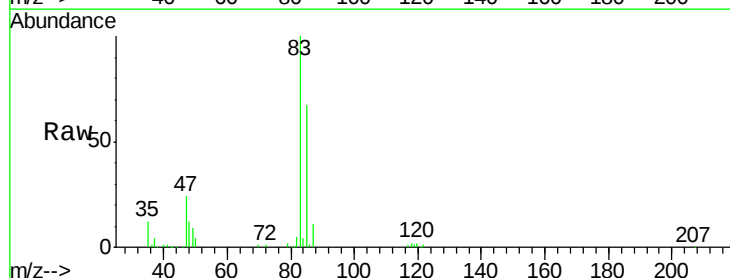
Manual Integrations
APPROVED

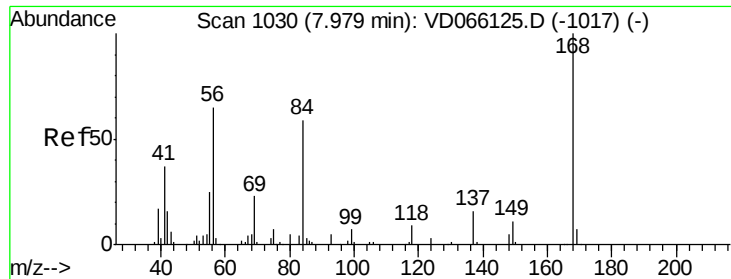
MMDadoda
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#30
Chloroform
Concen: 50.355 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	49.5	74.3





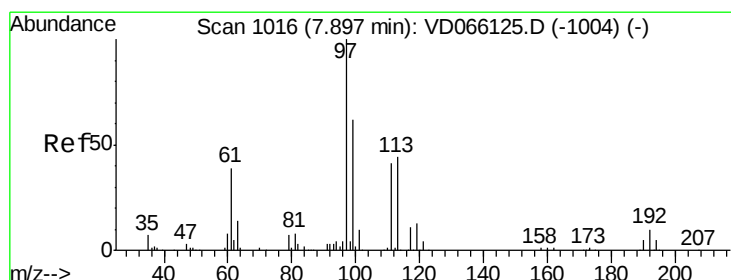
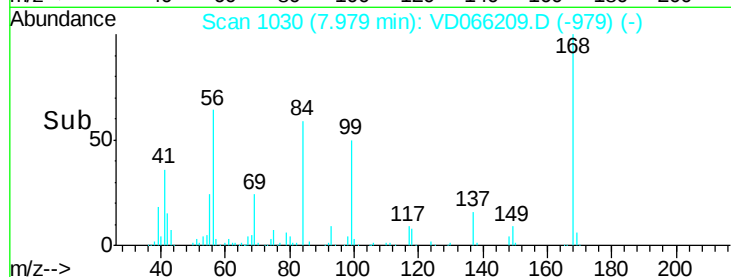
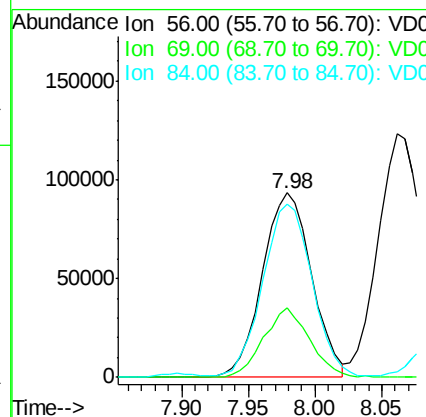
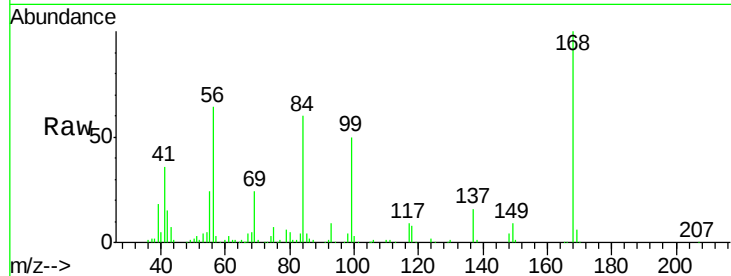
#31
Cyclohexane
Concen: 46.476 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	28.8	43.2
84	92.0	73.0	109.6

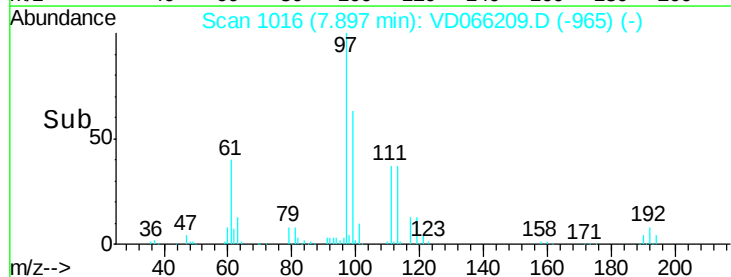
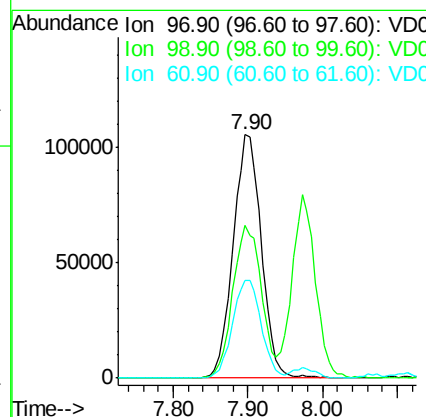
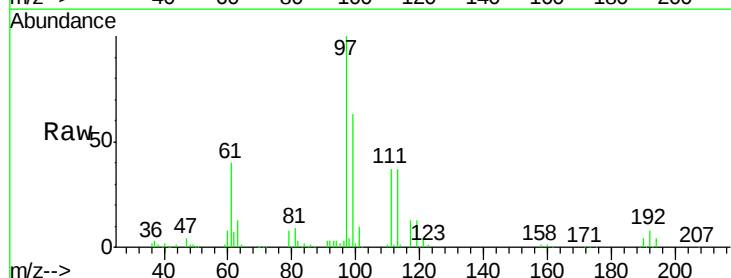
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 52.204 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.1	76.7
61	40.8	32.7	49.1





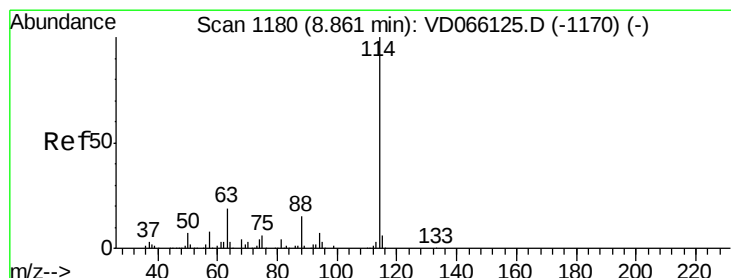
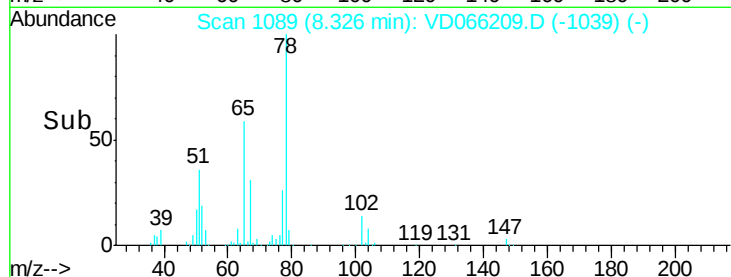
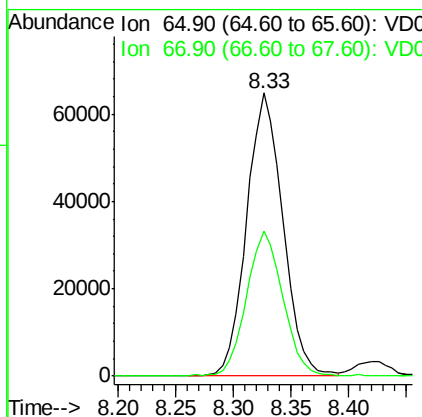
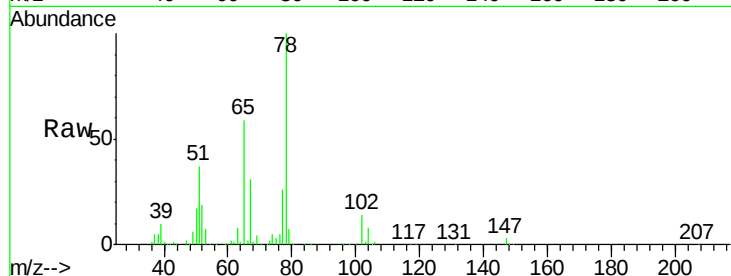
#33
 1,2-Dichloroethane-d4
 Concen: 48.464 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142102		
67	51.6	0.0	104.6	

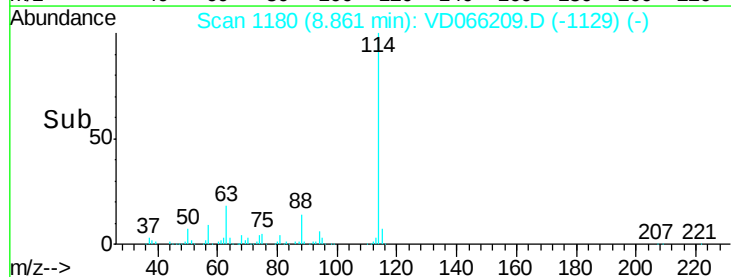
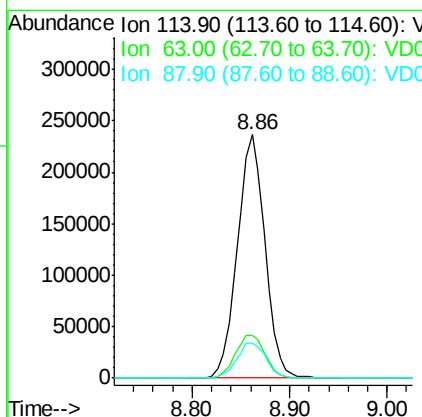
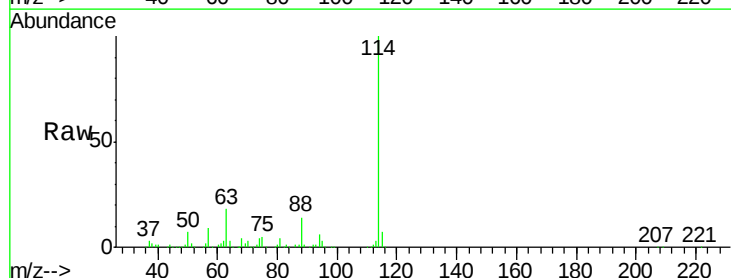
Manual Integrations
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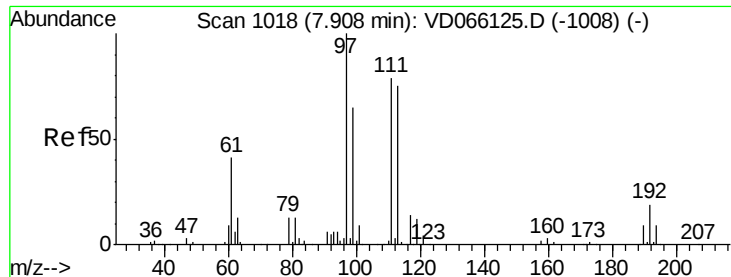
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	466268		
63	17.5	0.0	38.6	
88	14.5	0.0	30.0	





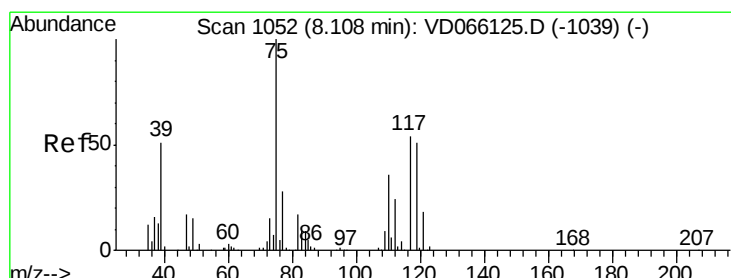
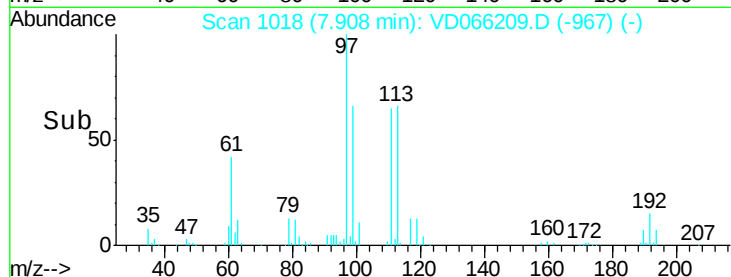
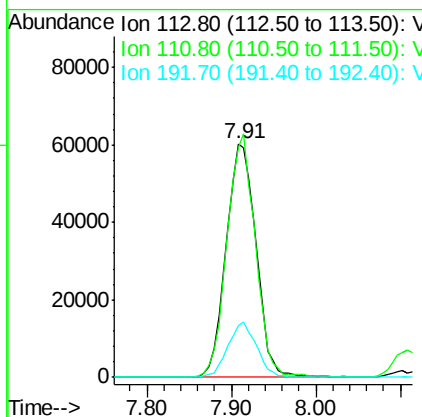
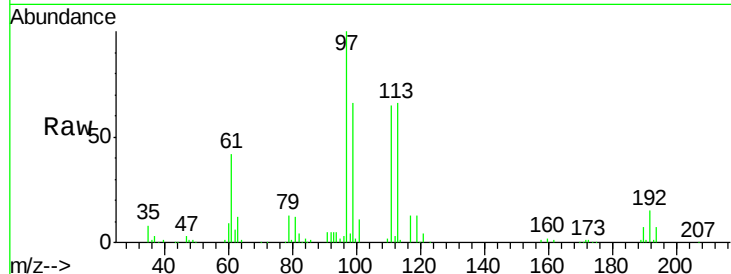
#35
 Dibromofluoromethane
 Concen: 49.801 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147100		
111	99.2	80.7	121.1	
192	22.6	18.4	27.6	

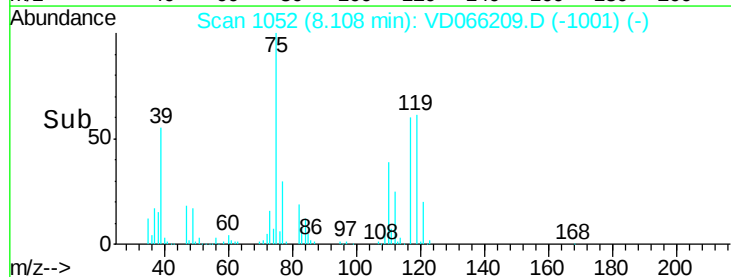
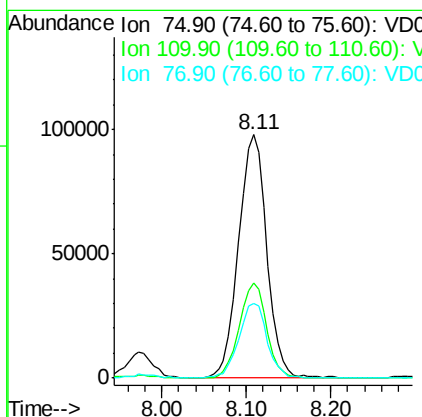
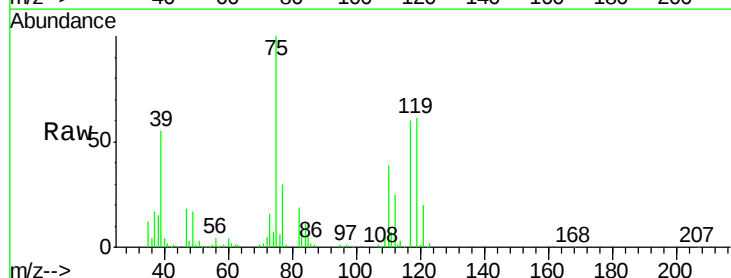
Manual Integrations
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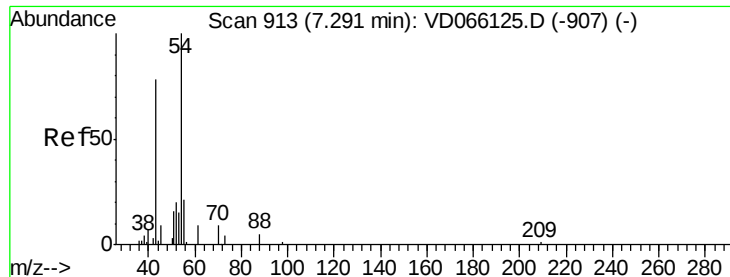
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#36
 1,1-Dichloropropene
 Concen: 51.752 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	226750		
110	37.7	18.8	56.3	
77	31.1	24.2	36.2	





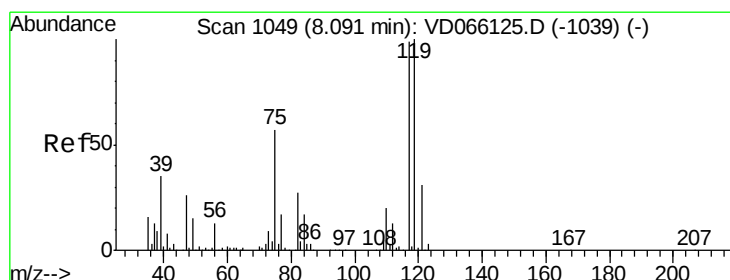
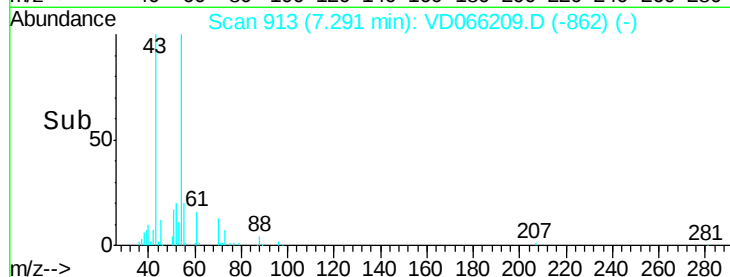
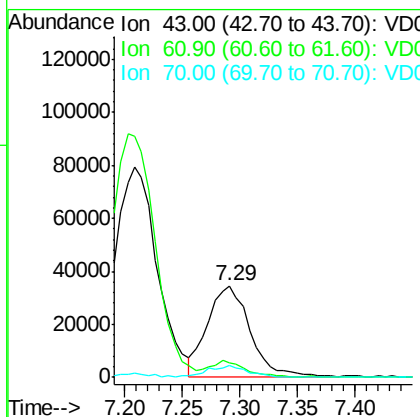
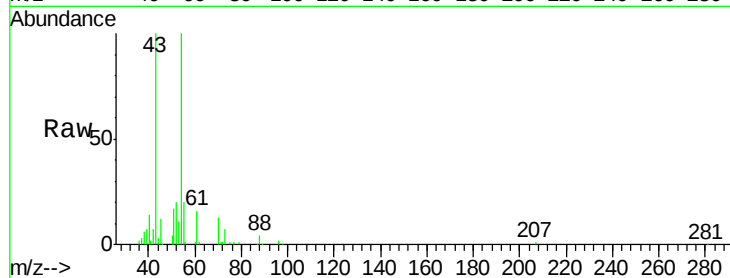
#37
Ethyl Acetate
Concen: 50.384 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	12.0	18.0
70	12.4	9.7	14.5

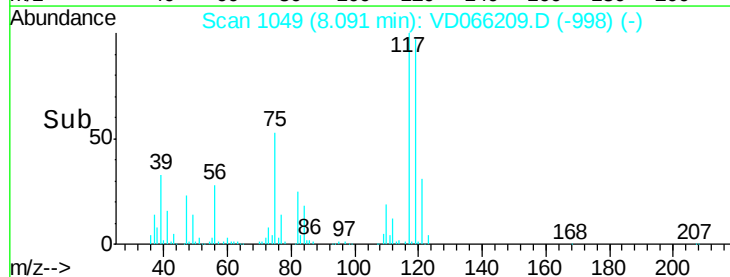
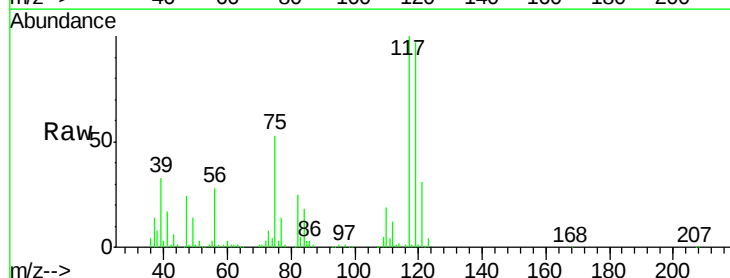
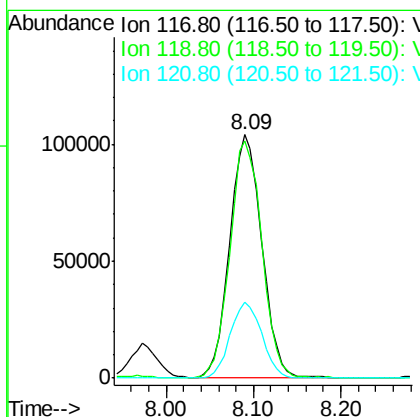
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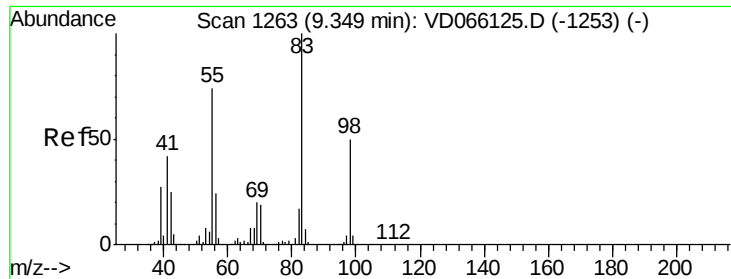
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#38
Carbon Tetrachloride
Concen: 53.163 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	81.0	121.4
121	31.4	24.8	37.2





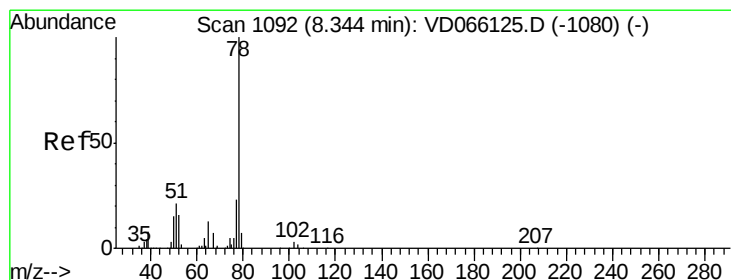
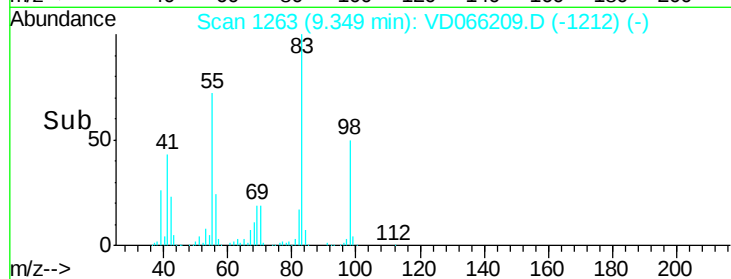
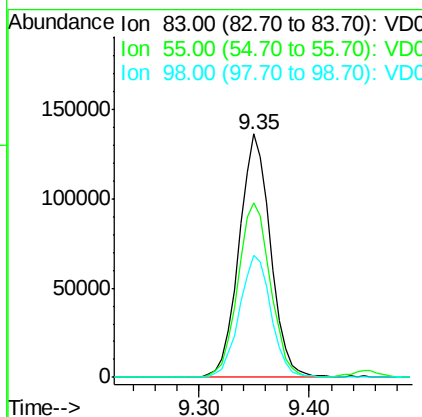
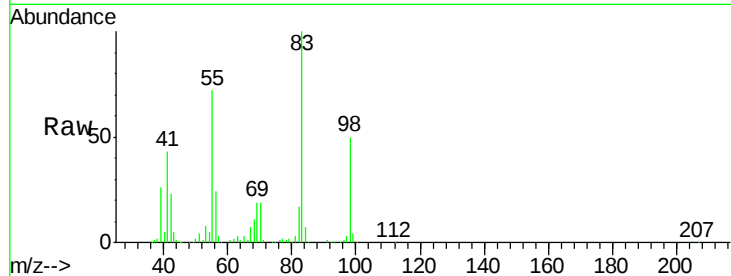
#39
Methvlcvclohexane
Concen: 51.615 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.9	59.2	88.8
98	49.9	39.8	59.6

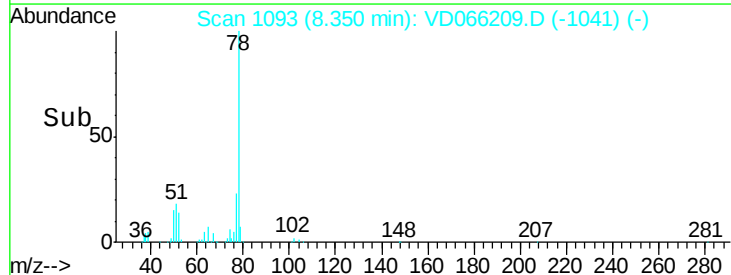
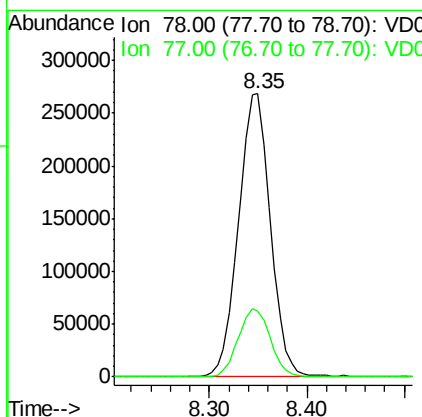
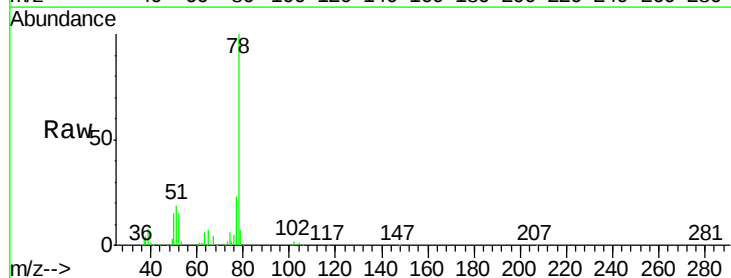
Manual Integrations
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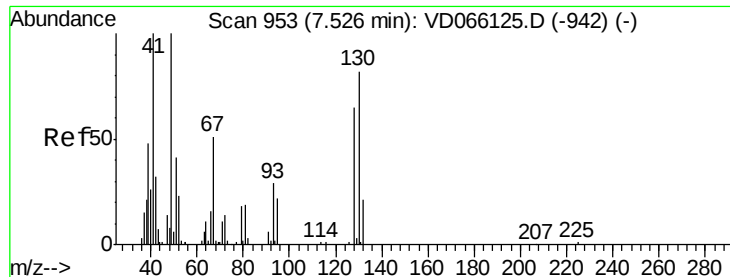
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#40
Benzene
Concen: 50.436 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	27.8





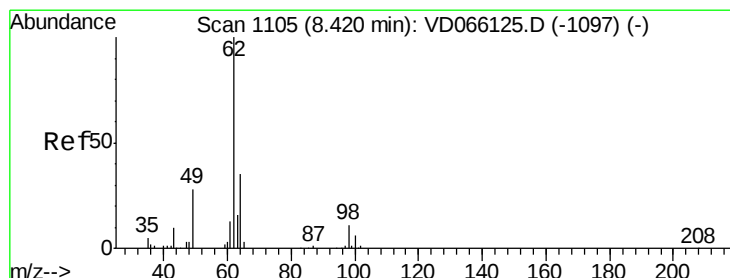
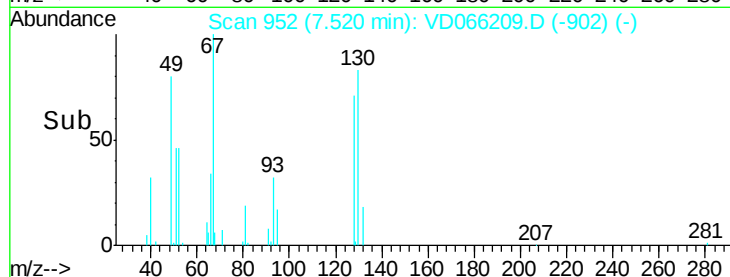
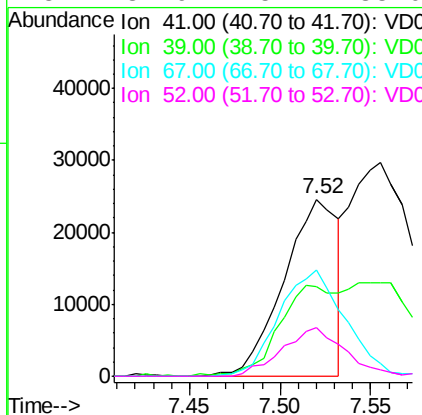
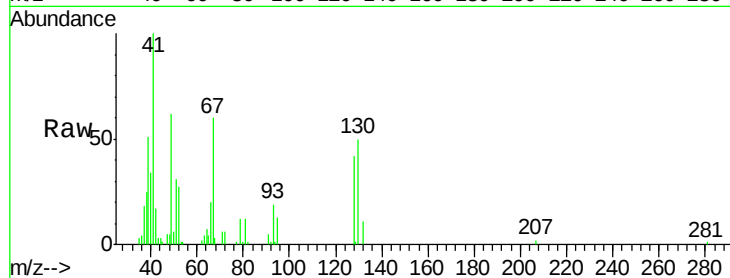
#41
Methacrylonitrile
Concen: 50.349 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	51392
Ion	Ratio	Lower	Upper
41	100		
39	55.2	47.5	71.3
67	73.2	59.1	88.7
52	31.9	25.4	38.0

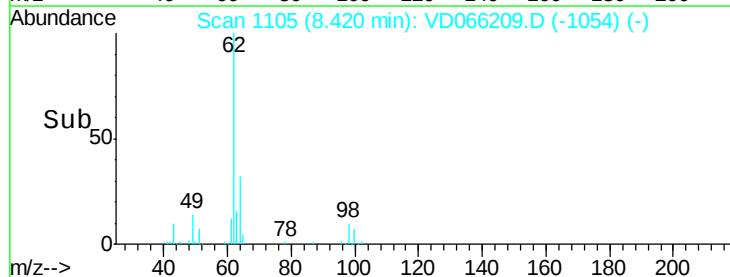
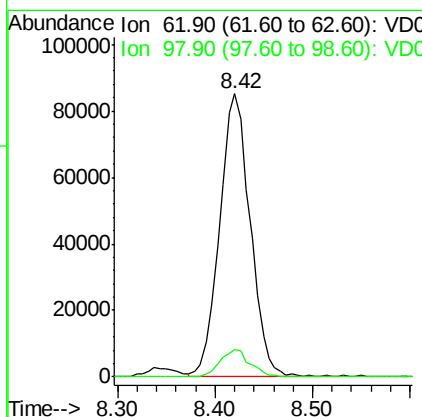
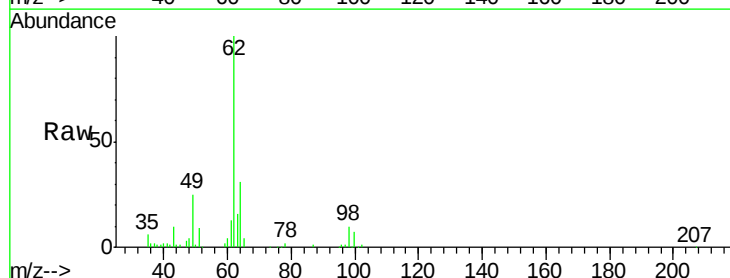
Manual Integrations
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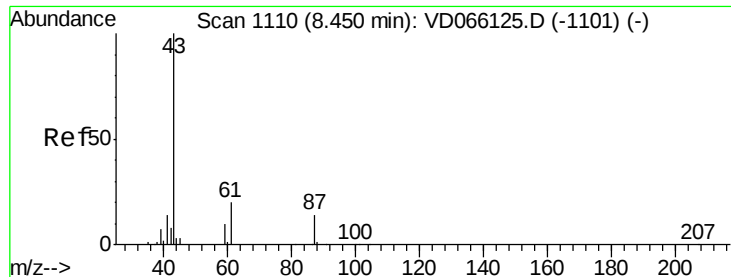
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#42
1,2-Dichloroethane
Concen: 51.894 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion:	62	Resp:	185296
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.4





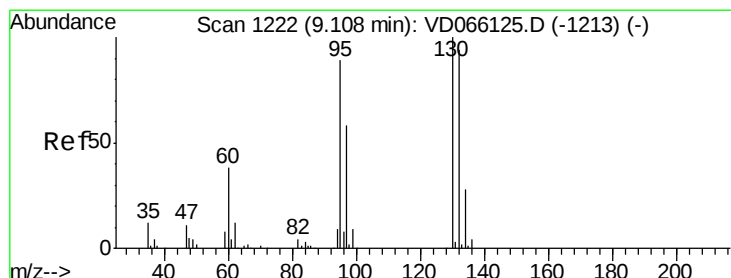
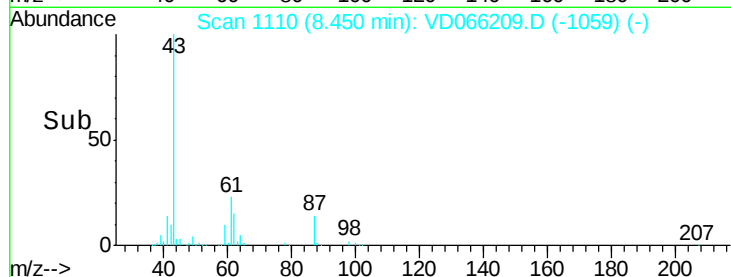
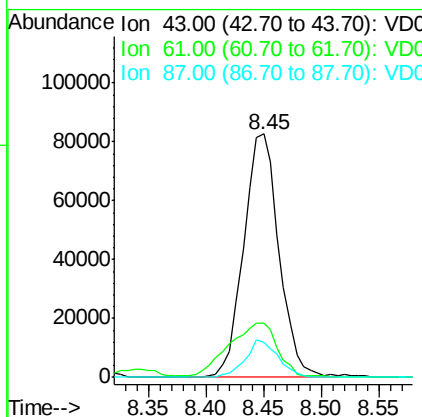
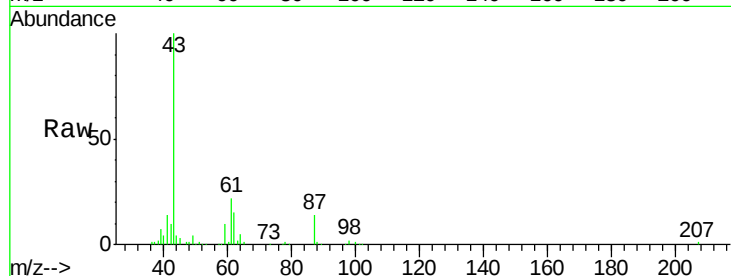
#43
Isopropyl Acetate
Concen: 51.586 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.4	25.5	38.3
87	14.2	11.2	16.8

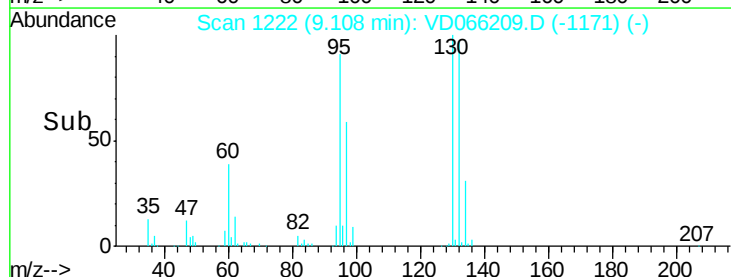
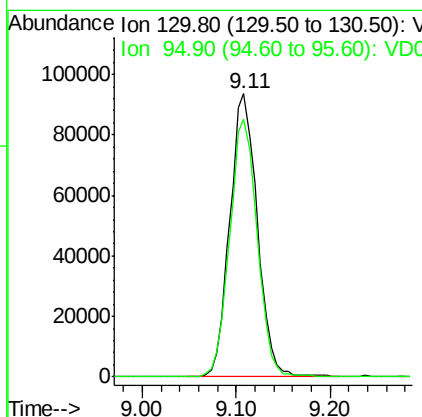
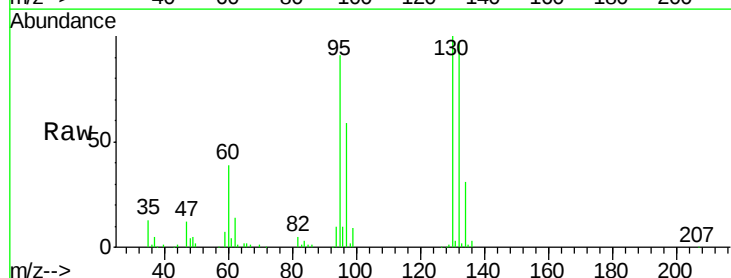
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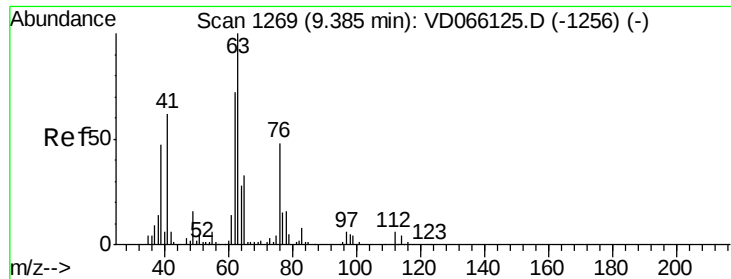
MMDadoda
8/14/2020 5:11:53 PM



#44
Trichloroethene
Concen: 52.075 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	178.4





#45

1,2-Dichloropropane

Concen: 51.045 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 151743

Ion Ratio Lower Upper

63 100

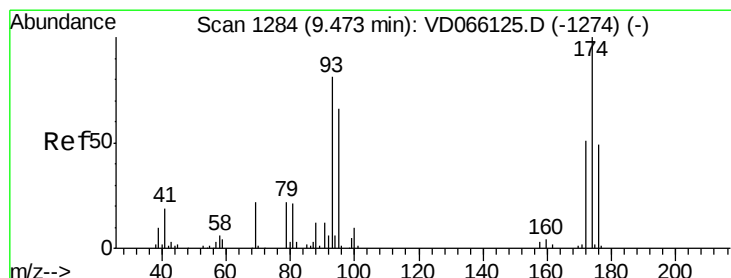
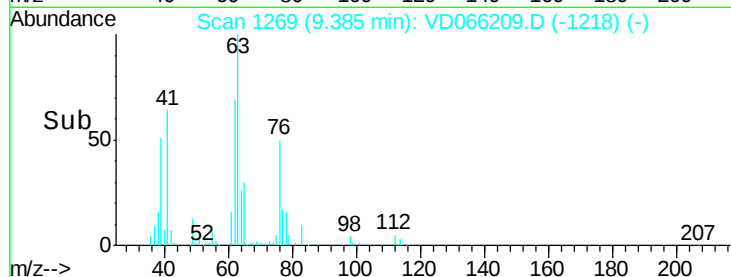
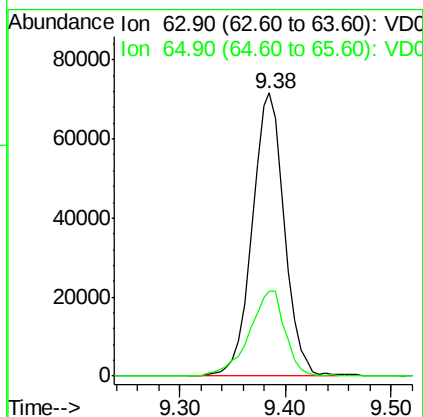
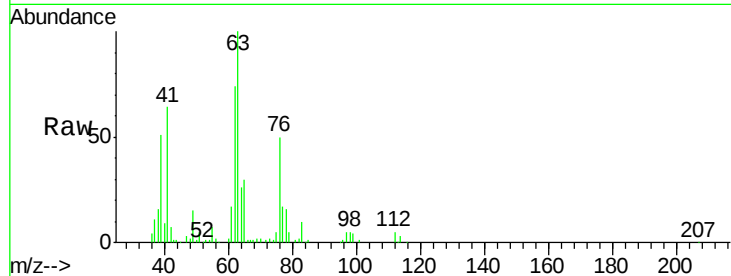
65 30.1 26.5 39.7

Manual Integrations

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#46

Dibromomethane

Concen: 51.635 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

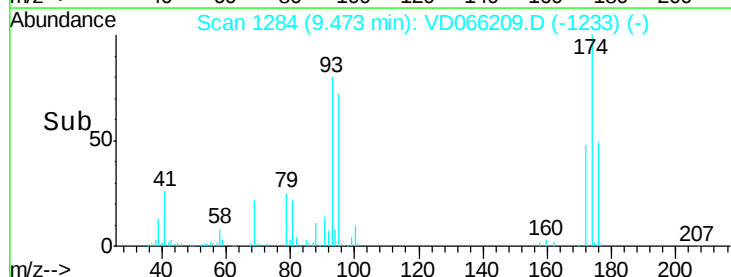
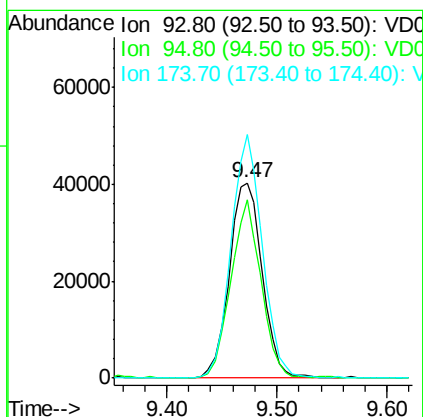
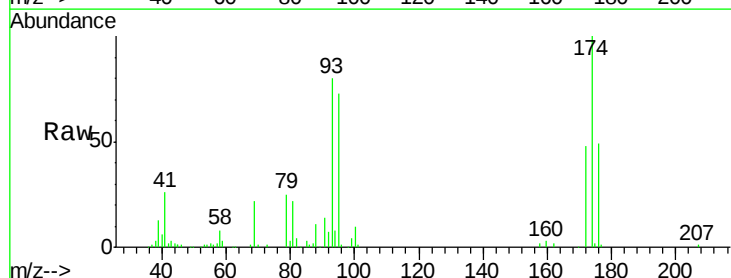
Tgt Ion: 93 Resp: 84549

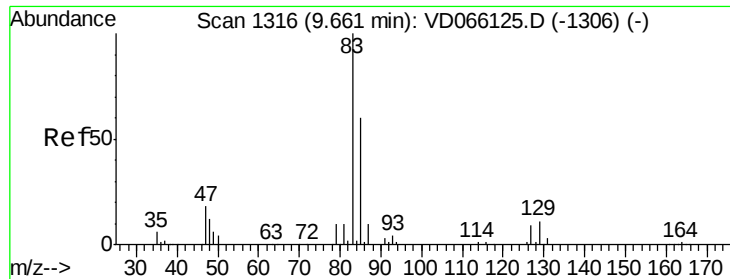
Ion Ratio Lower Upper

93 100

95 83.4 65.8 98.6

174 117.4 92.8 139.2





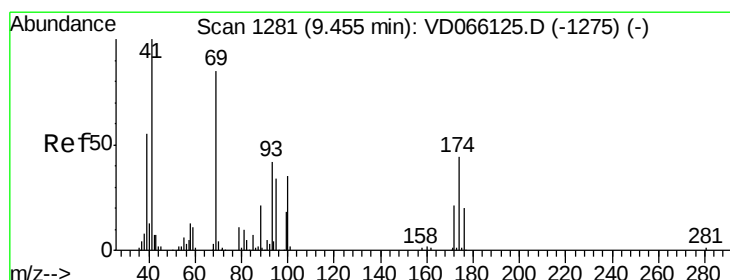
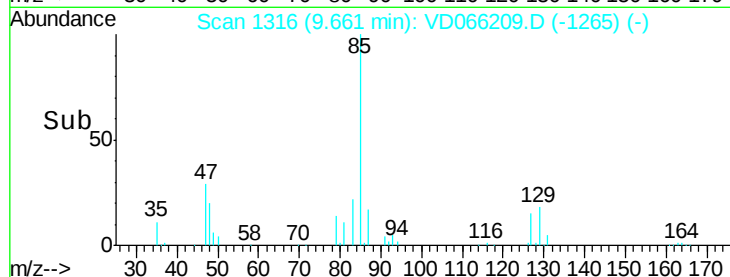
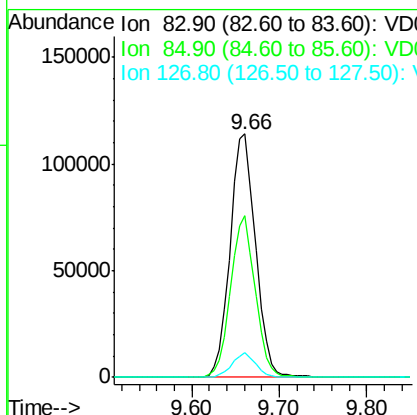
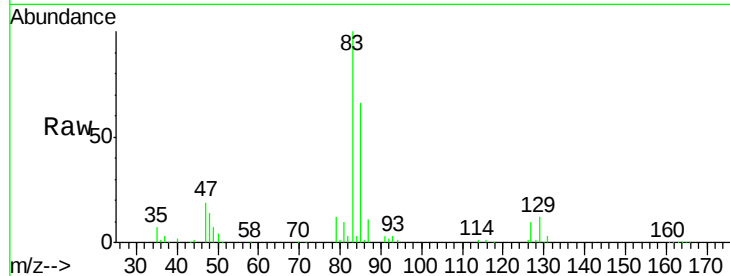
#47
 Bromodichloromethane
 Concen: 52.113 ug/l
 RT: 9.66 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	83	Resp:	225531
Ion Ratio	Lower	Upper	
83	100		
85	66.2	48.2	72.4
127	10.1	7.3	10.9

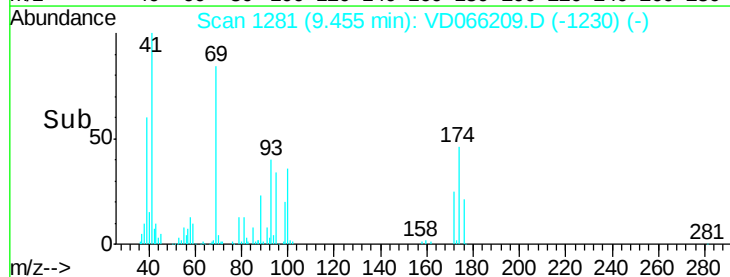
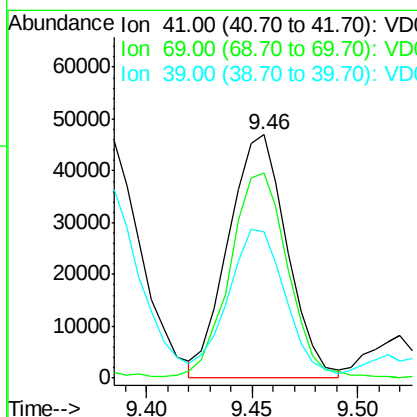
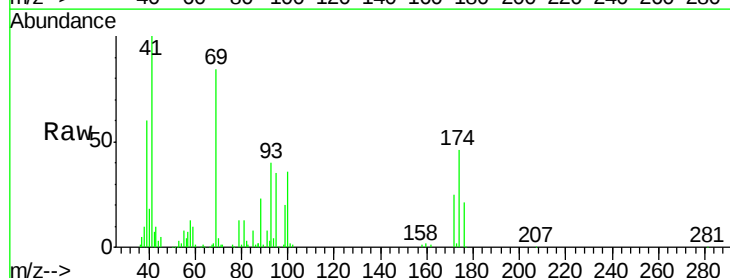
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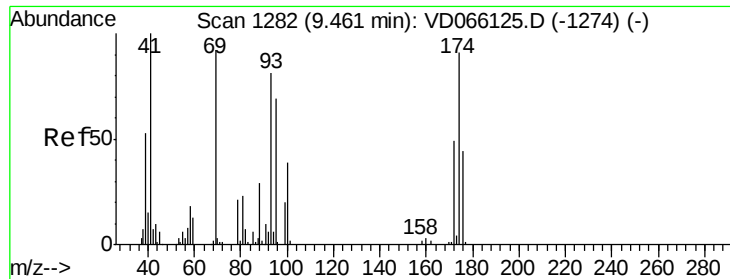
MMDadoda
 8/14/2020 5:11:53 PM



#48
 Methyl methacrylate
 Concen: 51.694 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion:	41	Resp:	90287
Ion Ratio	Lower	Upper	
41	100		
69	83.8	63.9	95.9
39	56.6	42.6	64.0





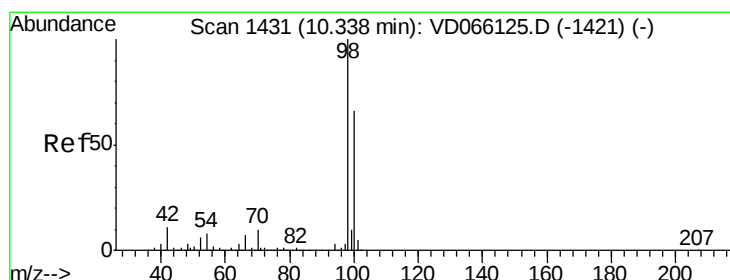
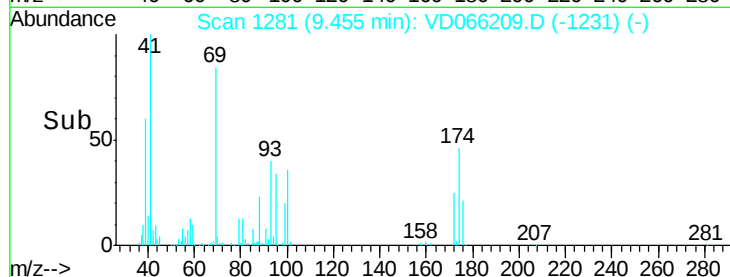
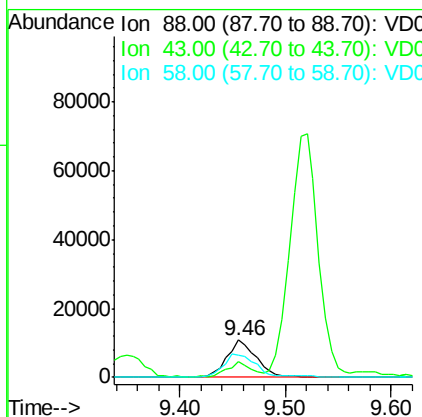
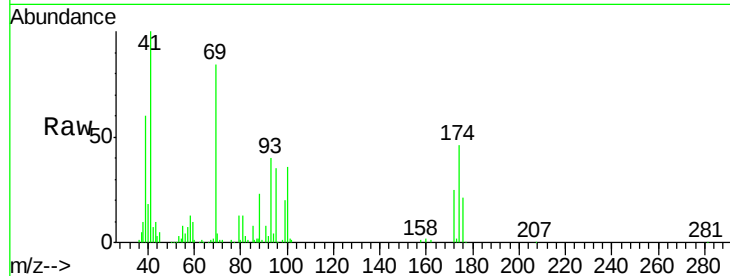
#49
1,4-Dioxane
Concen: 993.345 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	20897
Ion	Ratio	Lower	Upper
88	100		
43	36.3	27.5	41.3
58	69.0	50.2	75.4

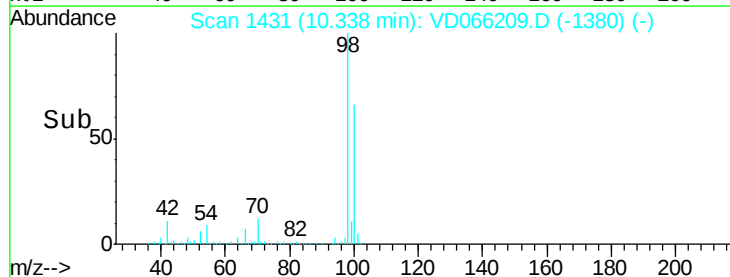
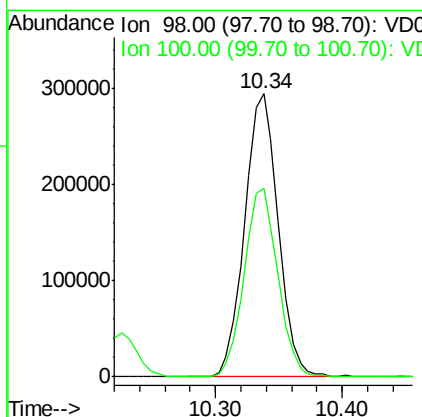
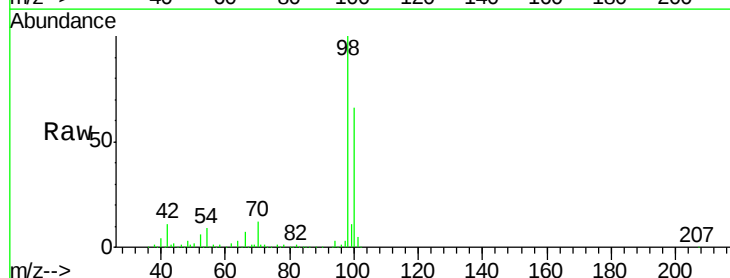
Manual Integrations
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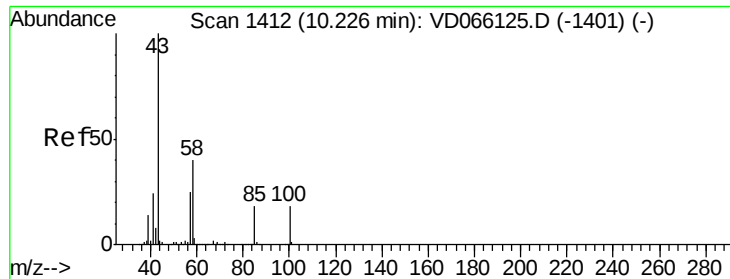
MMDadoda
8/14/2020 5:11:53 PM



#50
Toluene-d8
Concen: 49.790 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion	98	Resp	542717
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 259.479 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 455890

Ion Ratio Lower Upper

43 100

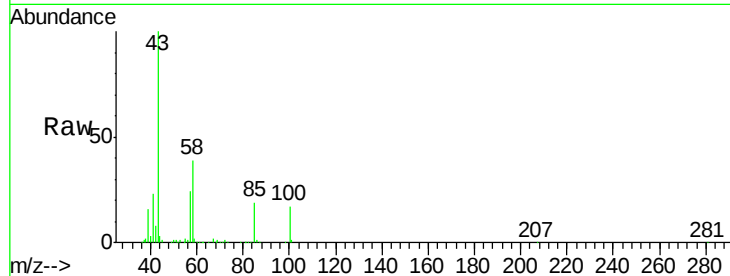
58 39.1 31.1 46.7

Manual Integrations

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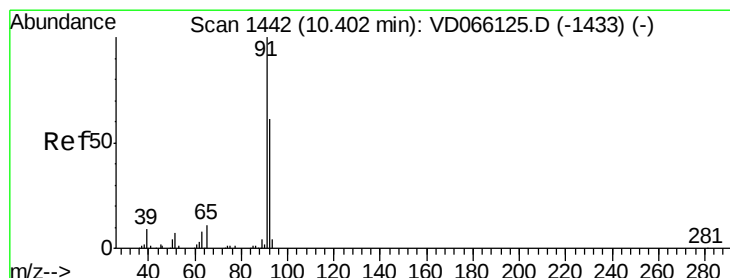
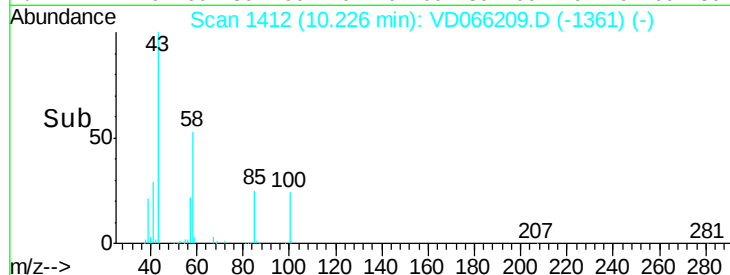
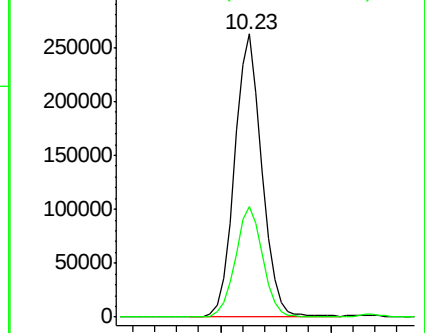
MMDadoda

8/14/2020 5:11:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.384 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066209.D

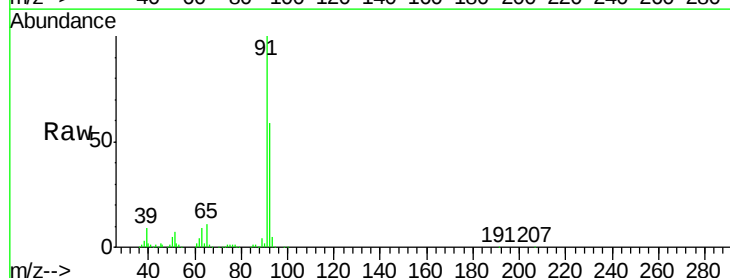
Acq: 13 Aug 2020 13:45

Tgt Ion: 92 Resp: 410971

Ion Ratio Lower Upper

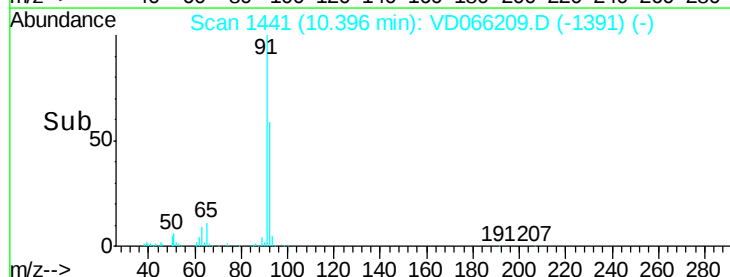
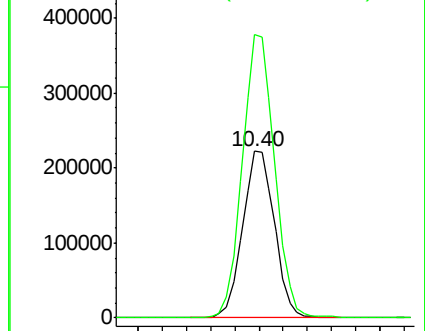
92 100

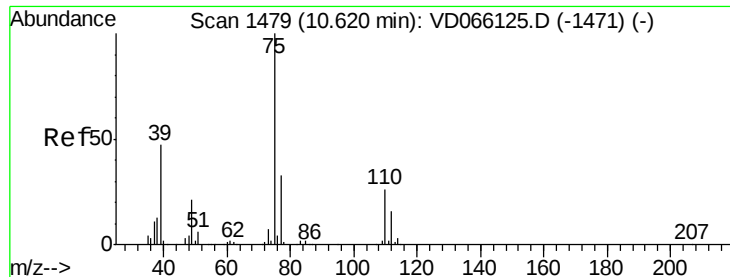
91 171.8 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





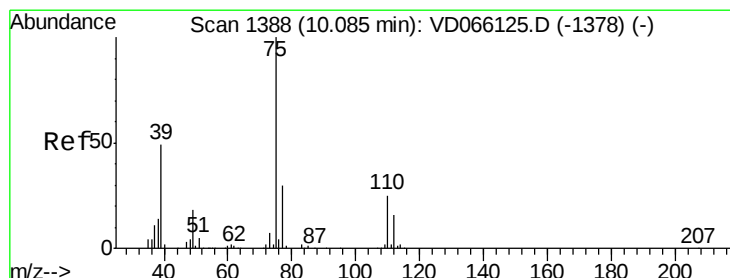
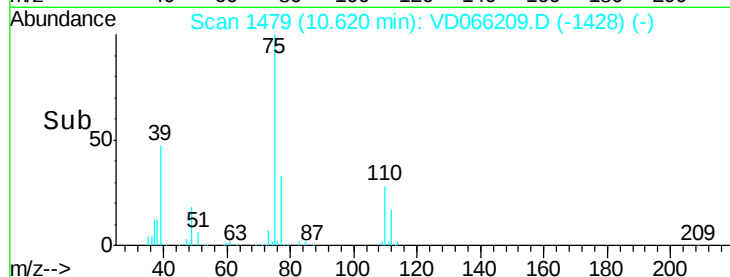
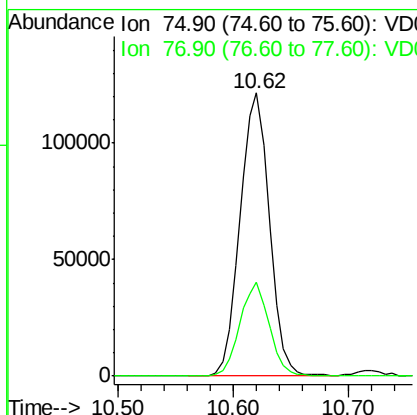
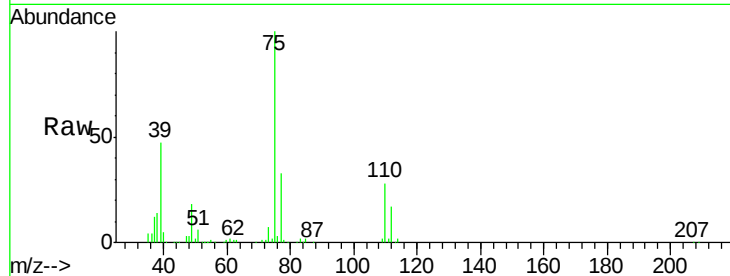
#53
 t-1,3-Dichloropropene
 Concen: 52.305 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 214821
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.2 39.2

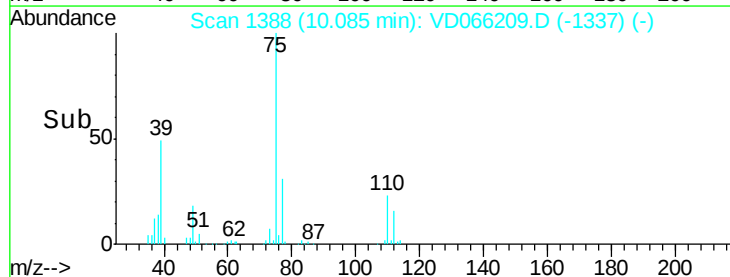
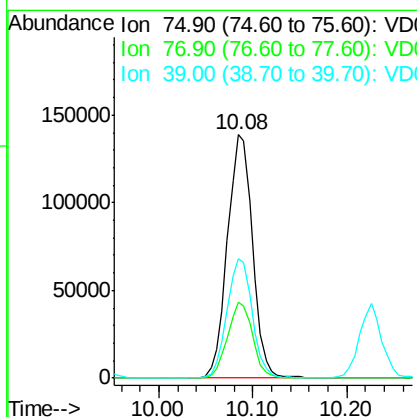
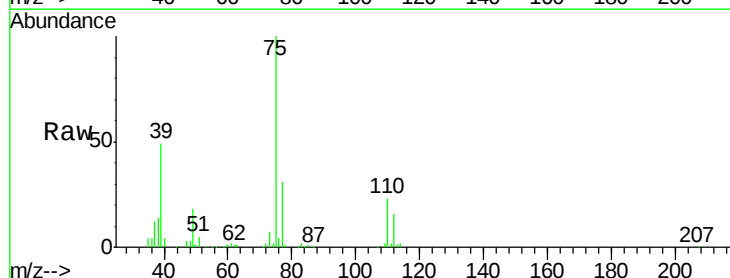
Manual Integrations
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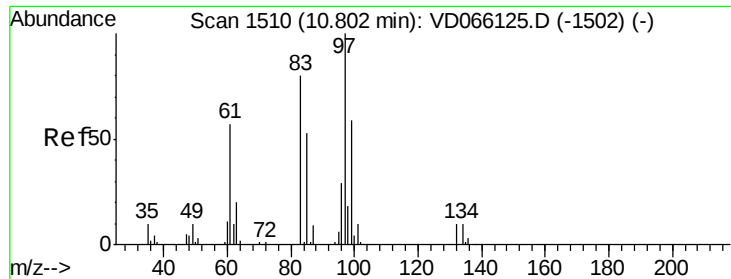
MMDadoda
 8/14/2020 5:11:53 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.592 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion: 75 Resp: 257880
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.3 36.5
 39 48.9 39.3 58.9





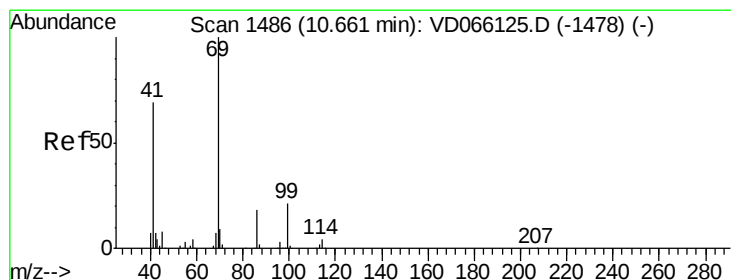
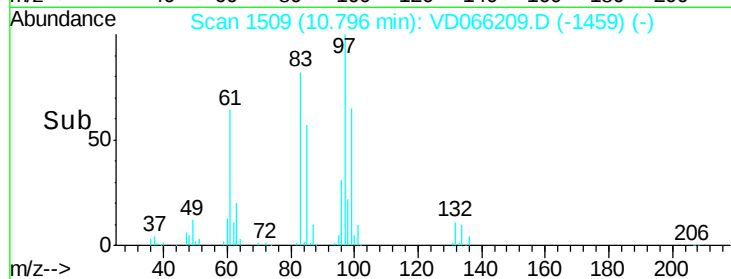
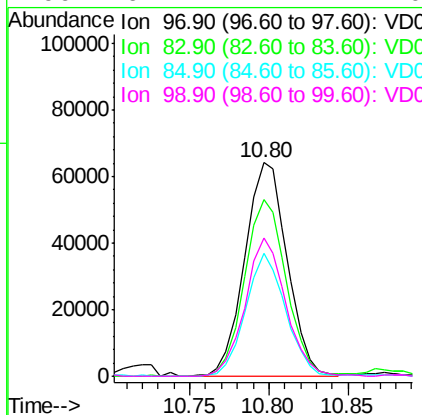
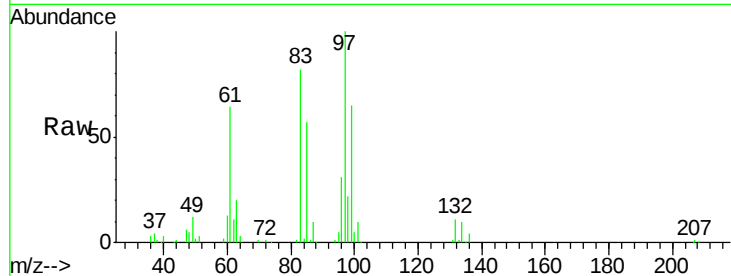
#55
 1,1,2-Trichloroethane
 Concen: 50.720 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	119590		
83	82.5	63.9	95.9	
85	57.3	42.5	63.7	
99	64.7	47.4	71.0	

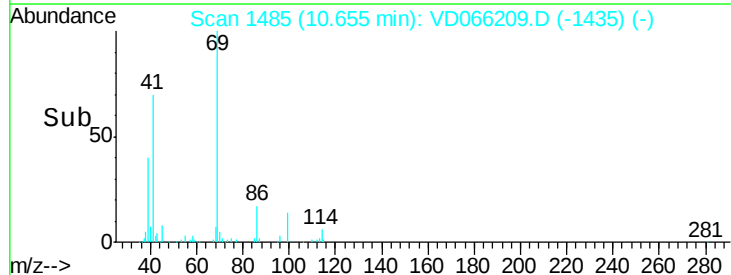
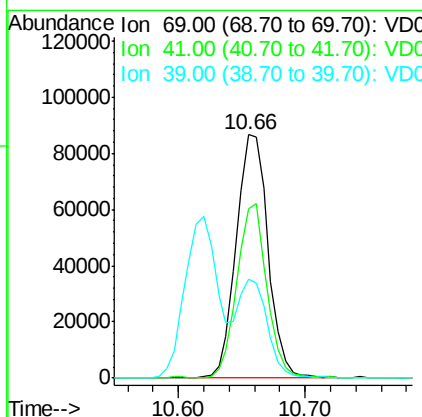
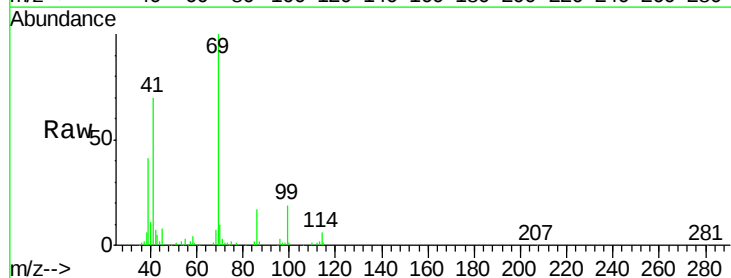
Manual Integrations
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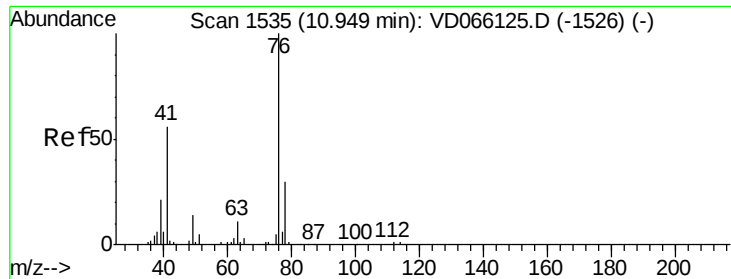
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 8/14/2020 5:11:53 PM



#56
 Ethyl methacrylate
 Concen: 53.336 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	151072		
41	66.1	54.1	81.1	
39	40.1	28.6	43.0	





#57

1,3-Dichloropropane

Concen: 51.231 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 200537

Ion Ratio Lower Upper

76 100

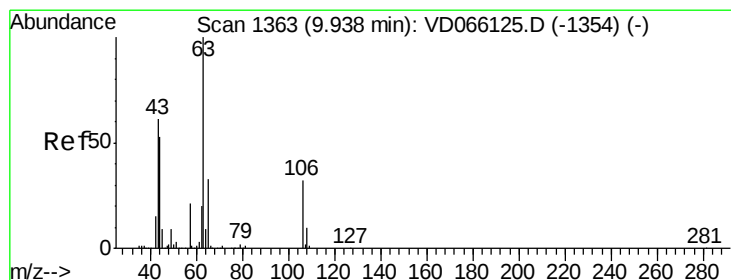
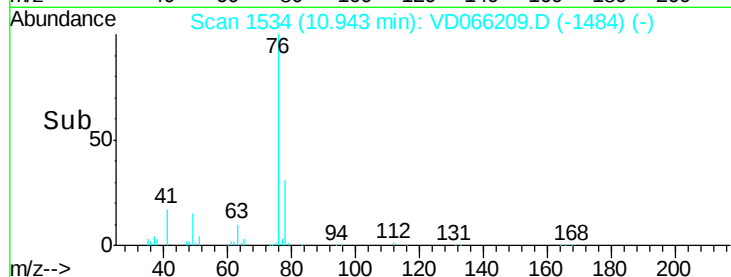
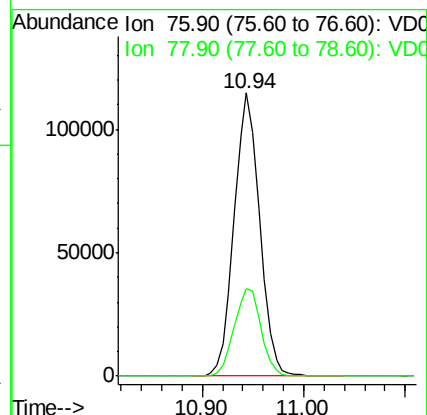
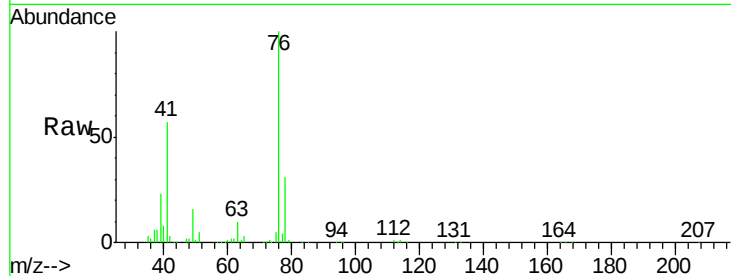
78 32.4 25.5 38.3

Manual Integrations

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MMDadoda

8/14/2020 5:11:53 PM



#58

2-Chloroethyl Vinyl ether

Concen: 273.811 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066209.D

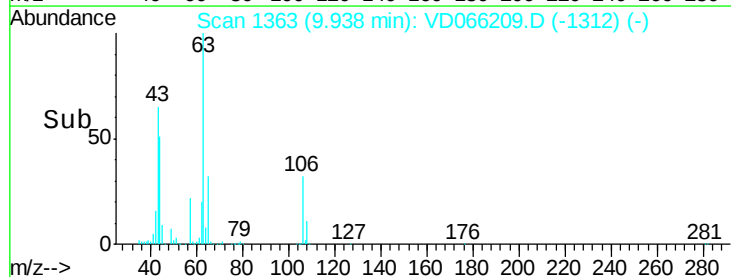
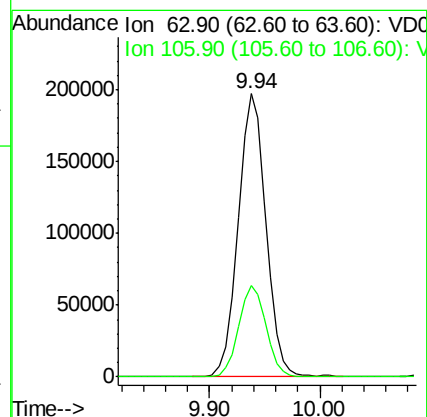
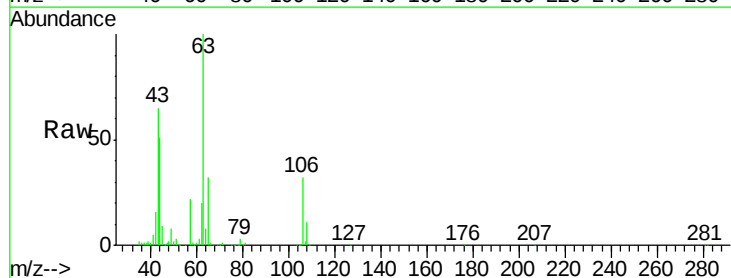
Acq: 13 Aug 2020 13:45

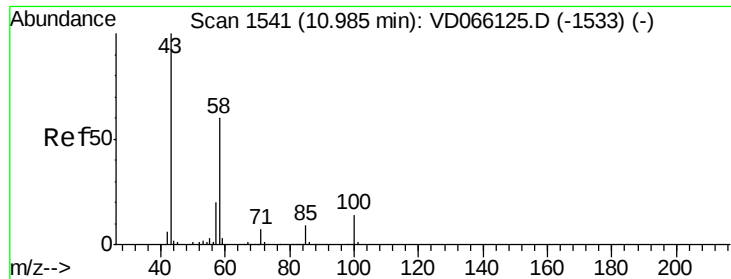
Tgt Ion: 63 Resp: 348855

Ion Ratio Lower Upper

63 100

106 31.9 25.3 37.9





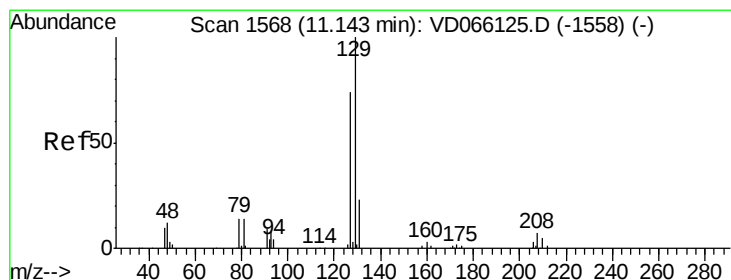
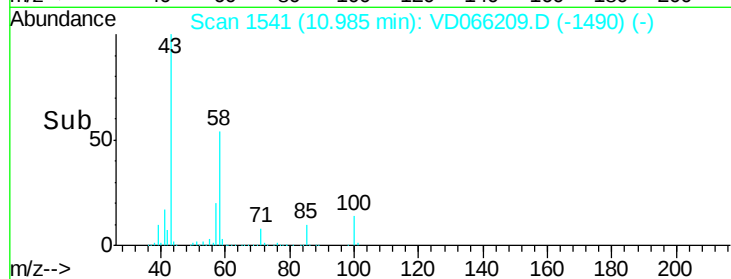
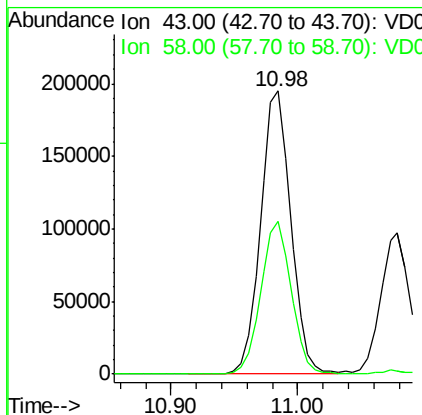
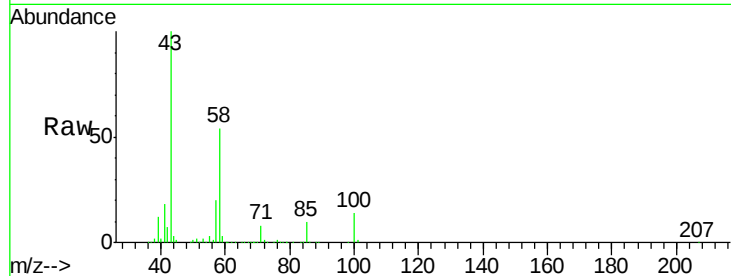
#59
2-Hexanone
Concen: 263.497 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 324906
Ion Ratio Lower Upper
43 100
58 54.1 27.8 83.4

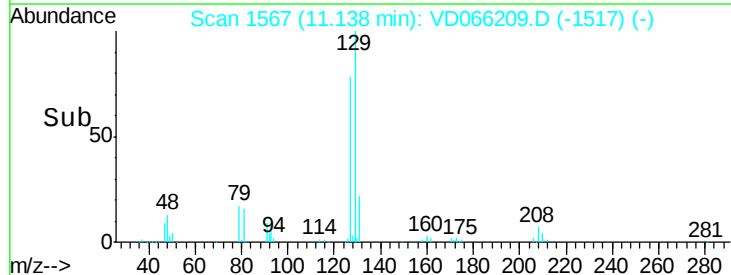
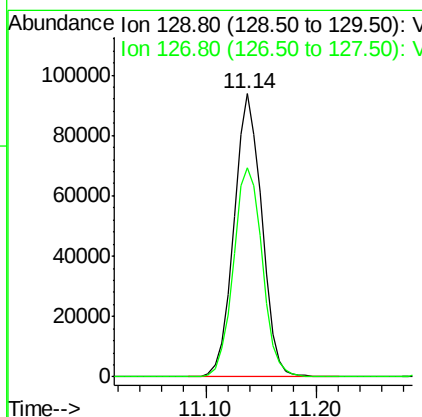
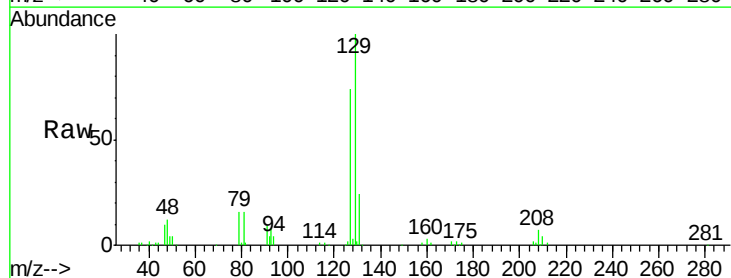
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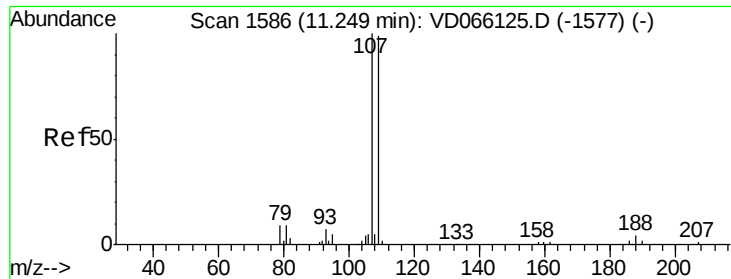
MMDadoda
8/14/2020 5:11:53 PM



#60
Dibromochloromethane
Concen: 51.051 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion: 129 Resp: 166181
Ion Ratio Lower Upper
129 100
127 76.8 38.0 114.1





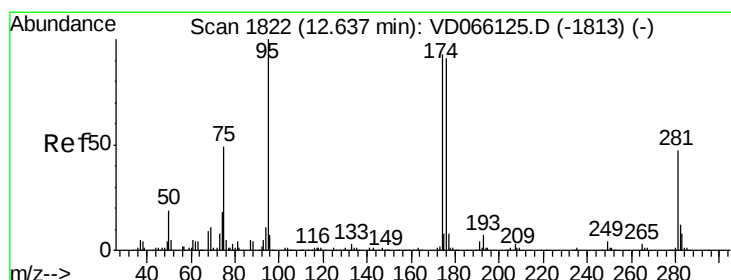
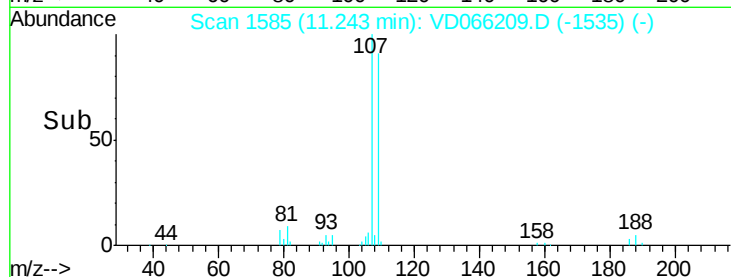
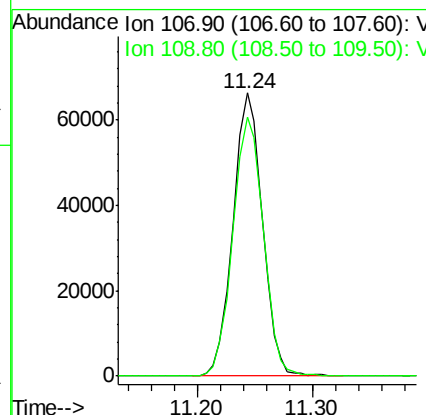
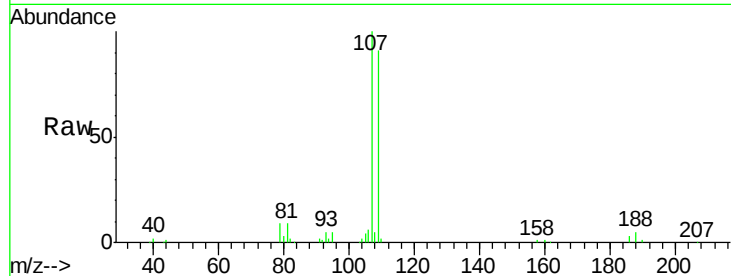
#61
 1,2-Dibromoethane
 Concen: 51.625 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 117062
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.5 114.7

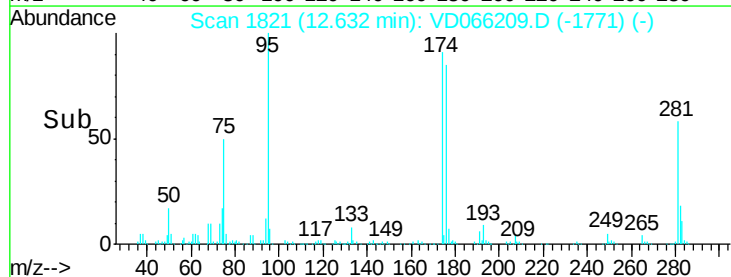
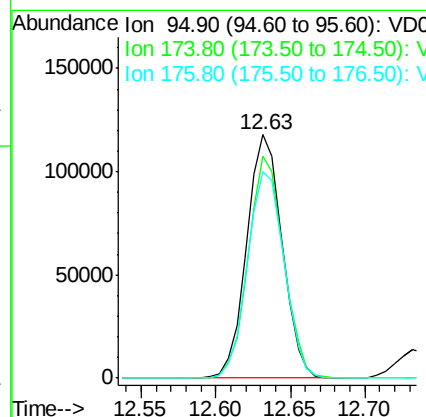
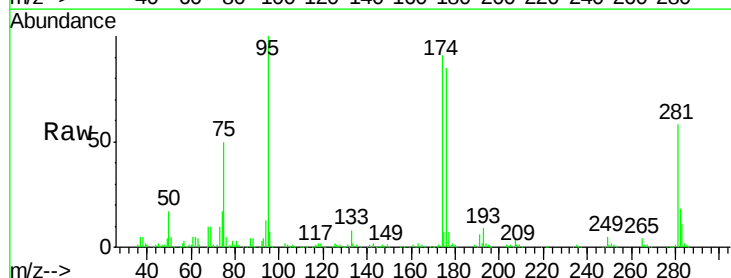
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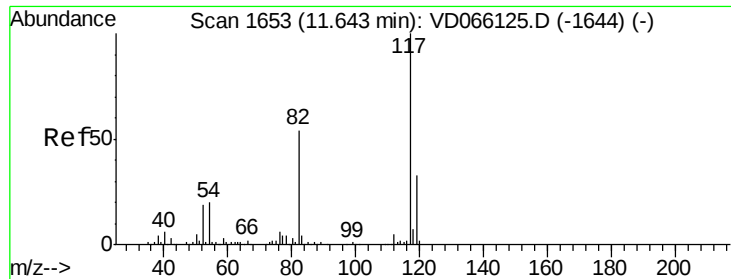
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 49.206 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion: 95 Resp: 193334
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 180.8
 176 87.5 0.0 181.2





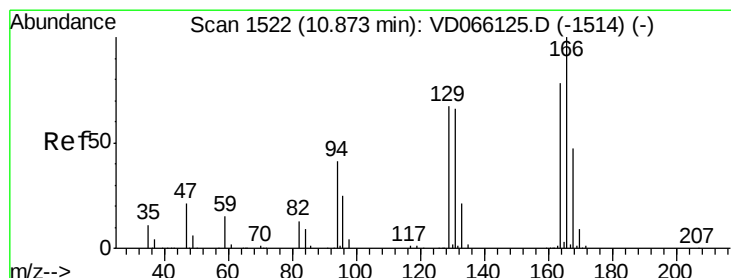
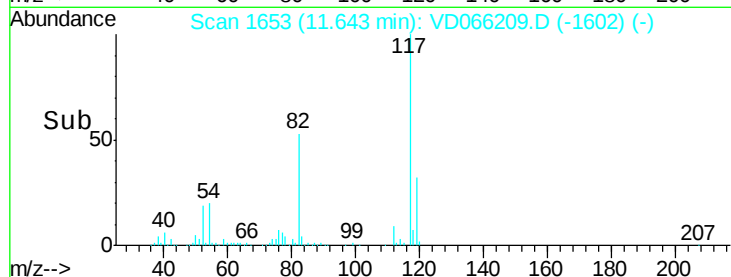
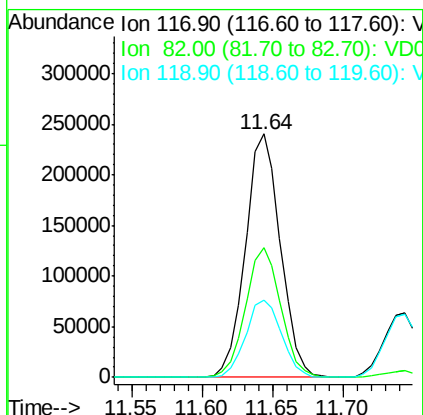
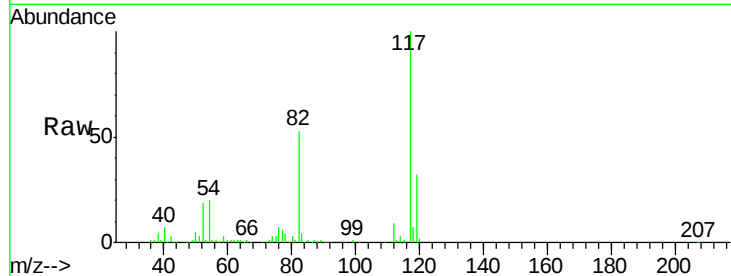
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.0	64.4
119	31.8	26.1	39.1

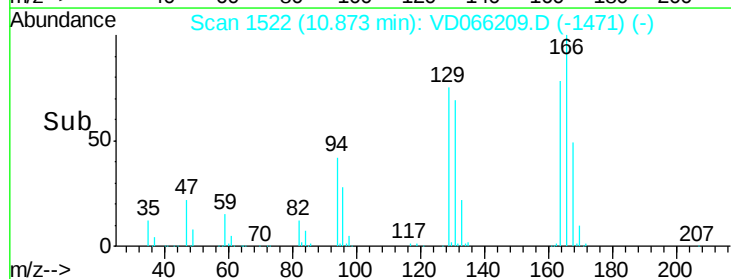
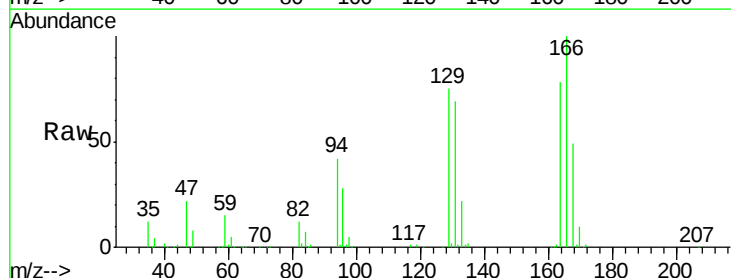
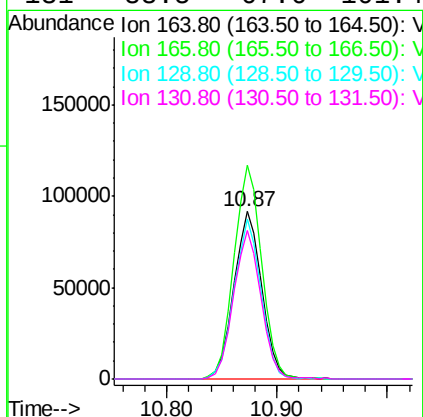
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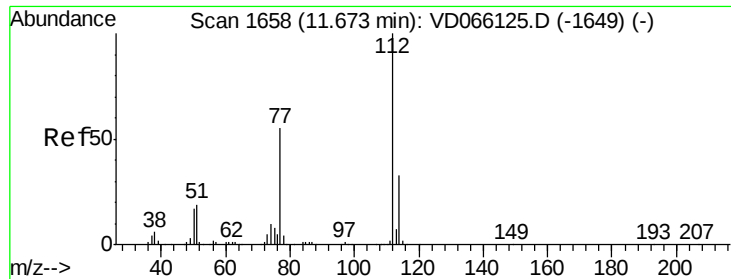
MMDadoda
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#64
Tetrachloroethene
Concen: 50.798 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.9	152.9
129	95.8	68.1	102.1
131	88.5	67.6	101.4





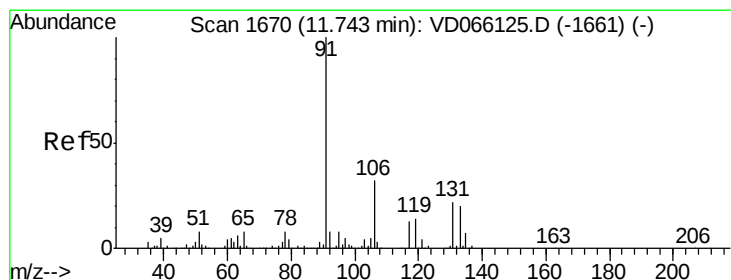
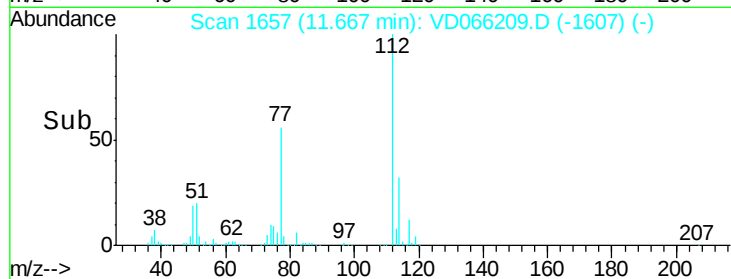
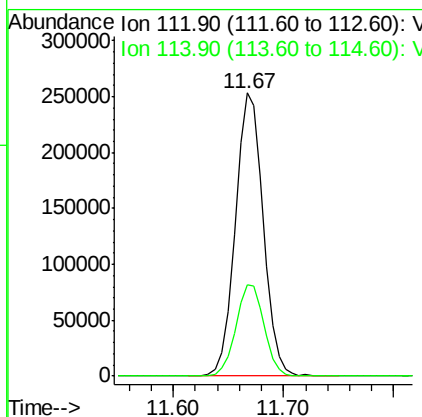
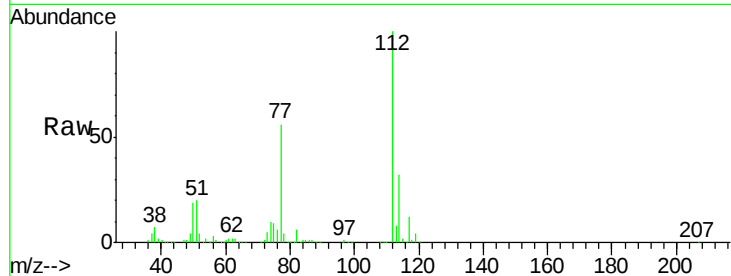
#65
Chlorobenzene
Concen: 52.826 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.1	39.1

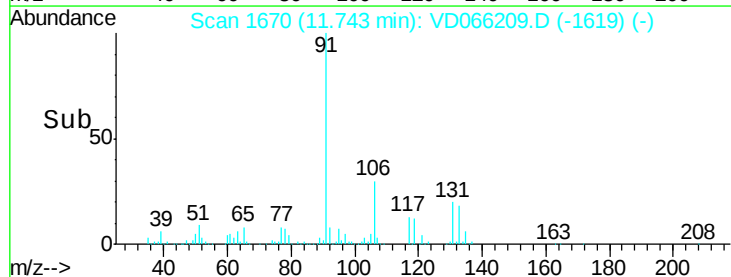
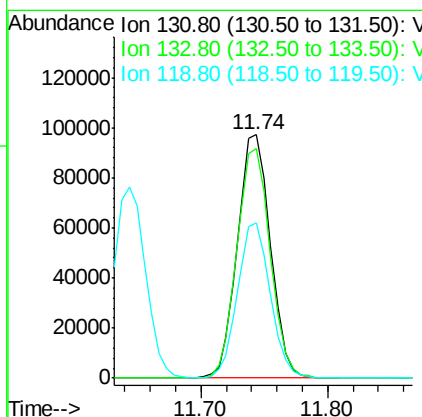
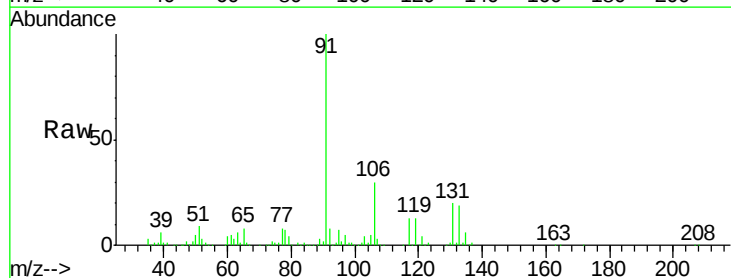
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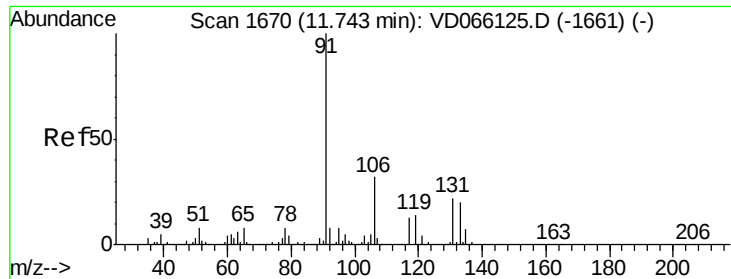
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.182 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.1	141.4
119	63.2	31.6	94.7





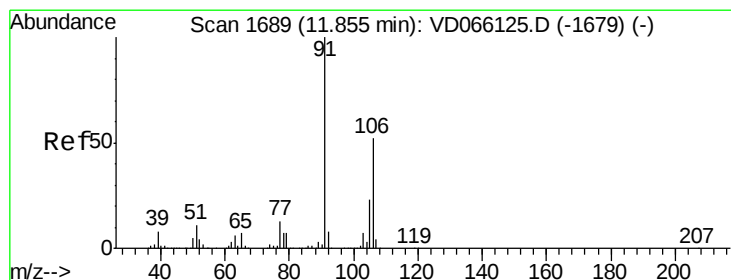
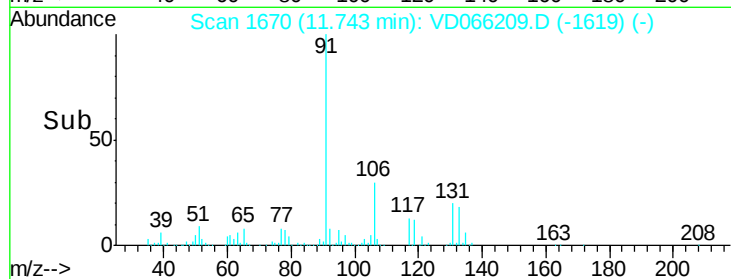
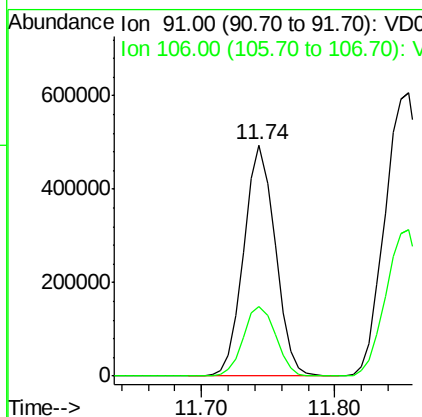
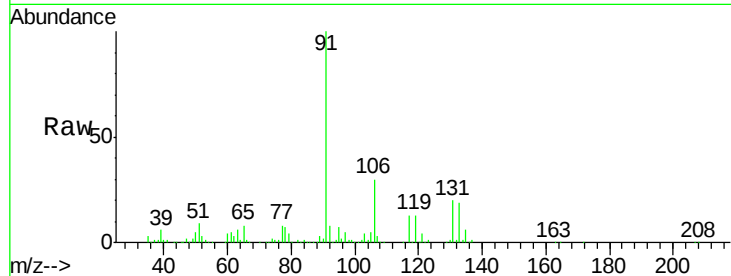
#67
Ethyl Benzene
Concen: 54.997 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.7	38.5

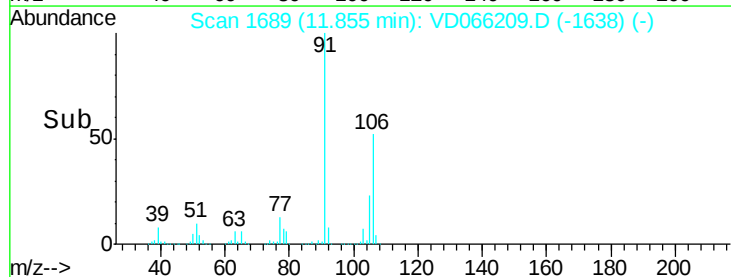
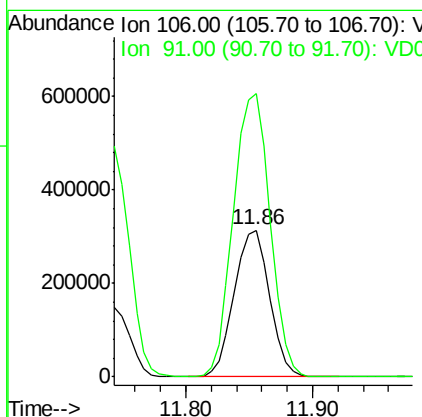
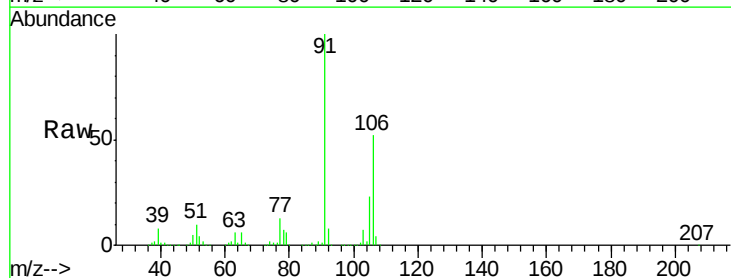
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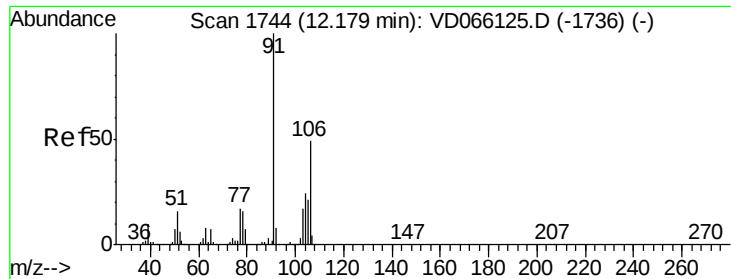
MMDadoda
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#68
m/p-Xylenes
Concen: 107.229 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.0	156.6	235.0





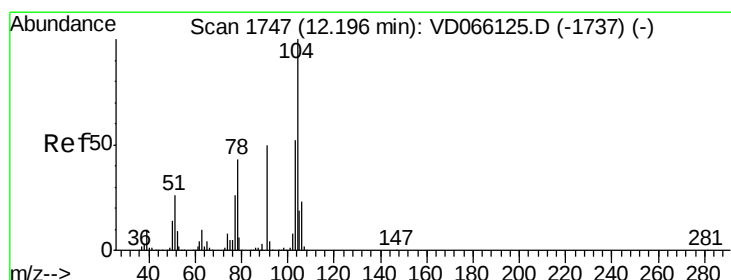
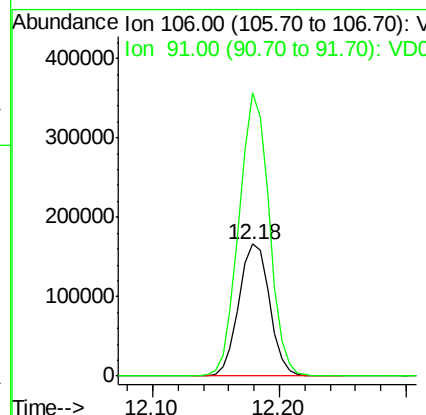
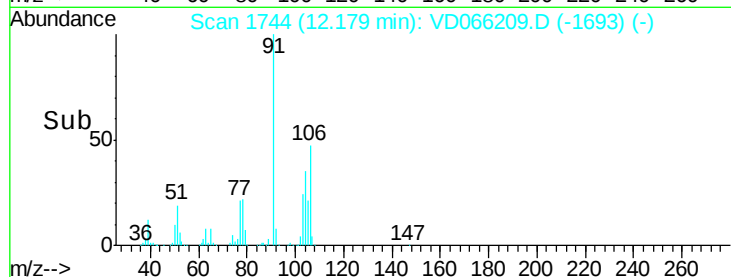
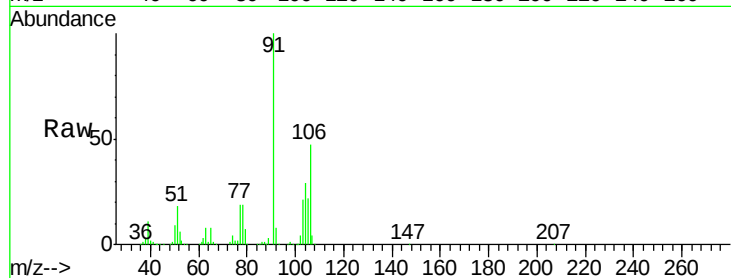
#69
o-Xylene
Concen: 54.317 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		280659		
91	209.2	105.7	317.1		

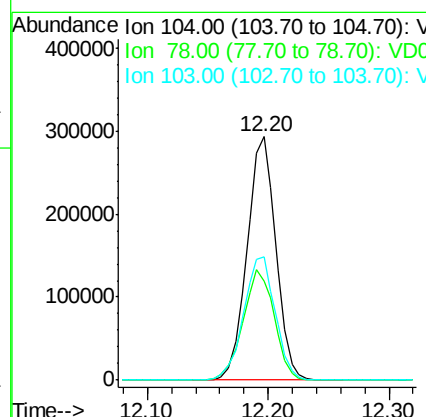
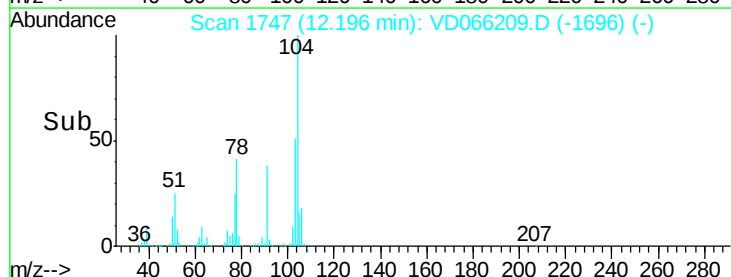
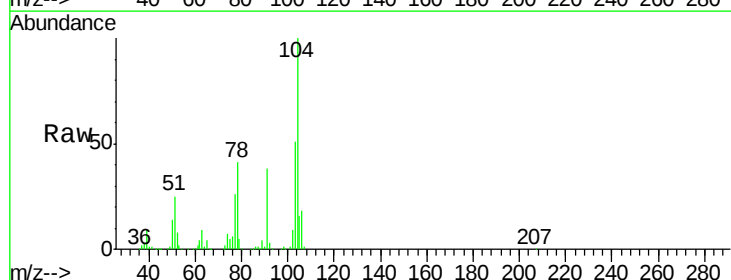
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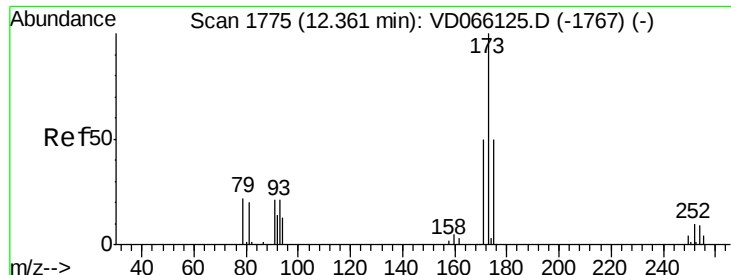
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#70
Styrene
Concen: 53.937 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		488422		
78	49.1	38.6	58.0		
103	55.7	44.1	66.1		





#71

Bromoform

Concen: 52.606 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

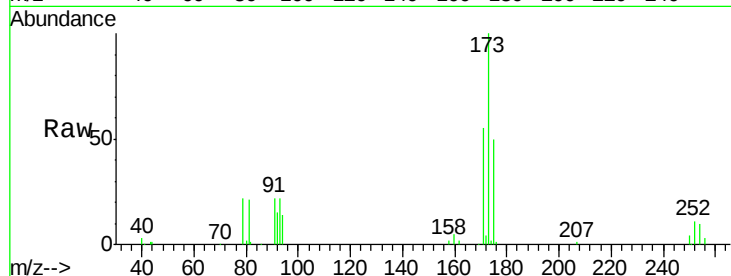
ClientSampleId :

VSTDCCC050

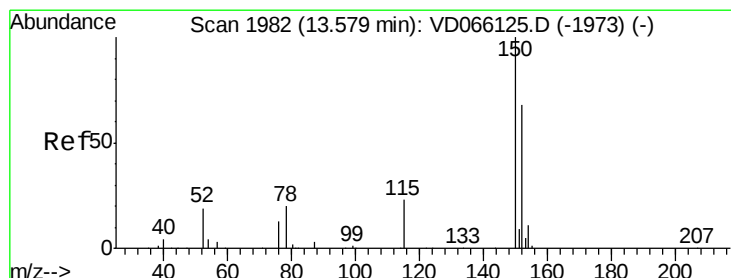
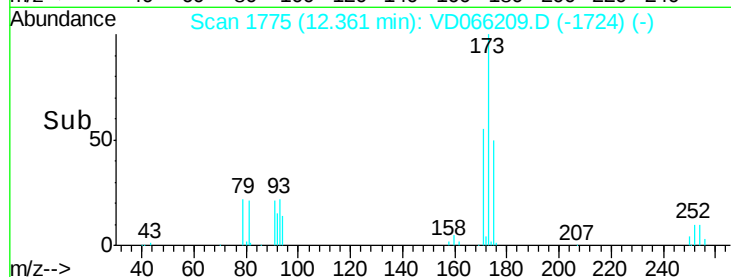
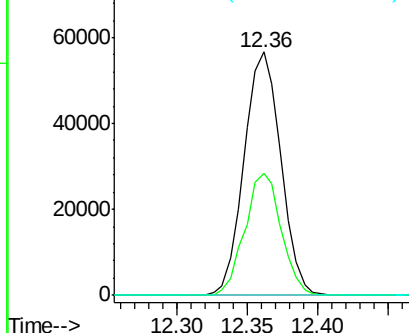
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.6	73.6
254	0.1	0.2	0.2

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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

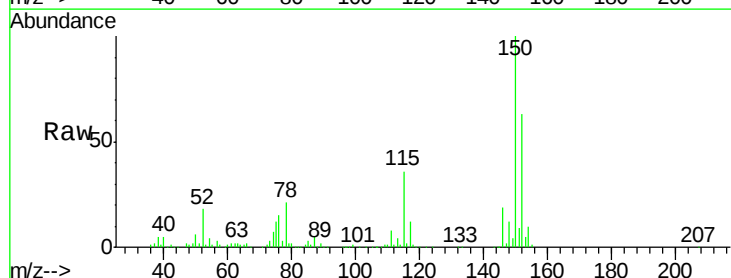
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

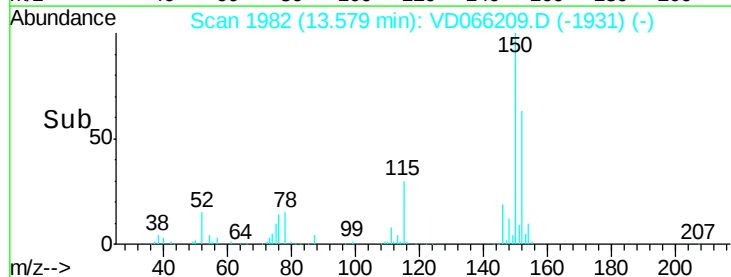
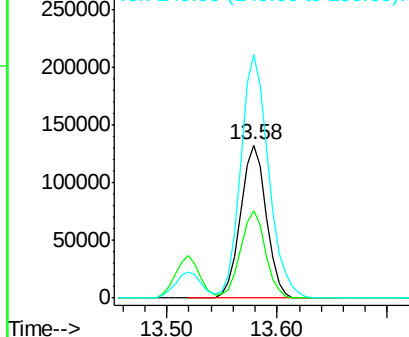
Lab File: VD066209.D

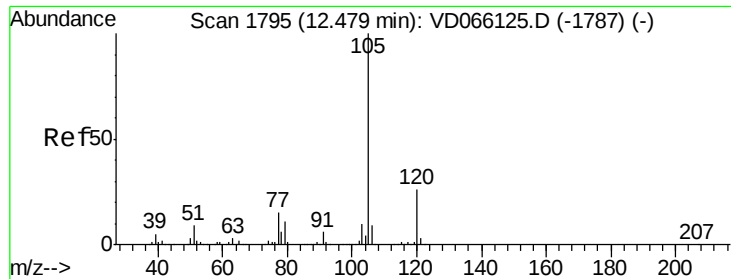
Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.0	83.9
150	172.6	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.197 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 798666

Ion Ratio Lower Upper

105 100

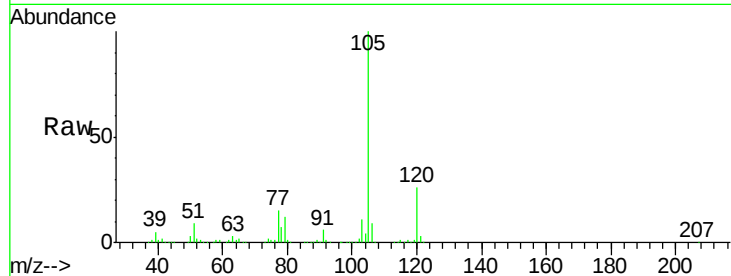
120 26.4 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

500000

400000

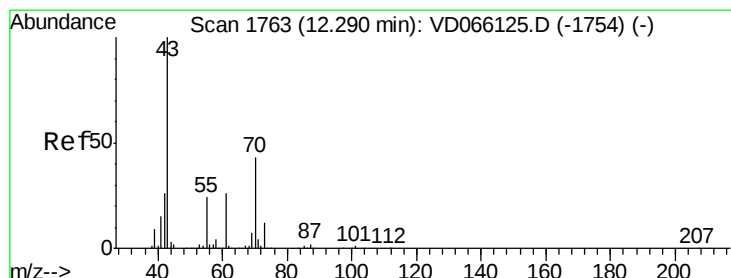
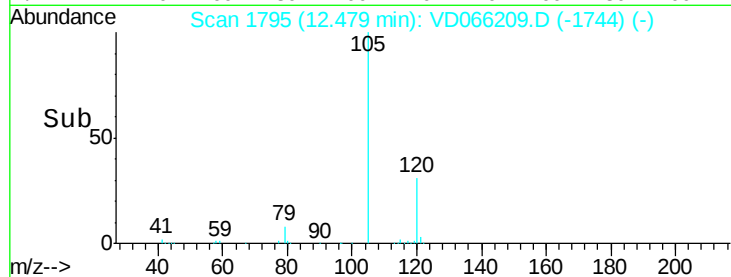
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 53.357 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Tgt Ion: 43 Resp: 170010

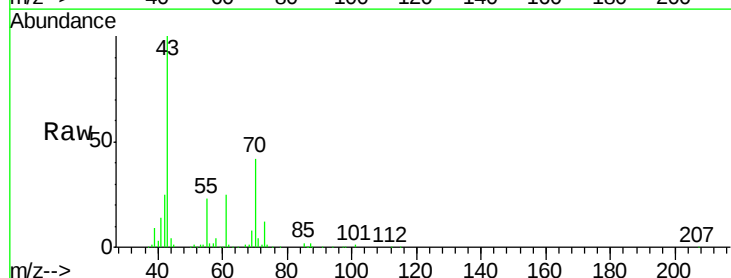
Ion Ratio Lower Upper

43 100

70 43.1 34.9 52.3

55 25.1 19.2 28.8

61 24.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

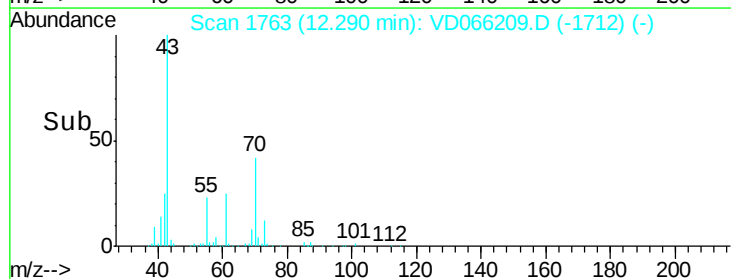
150000

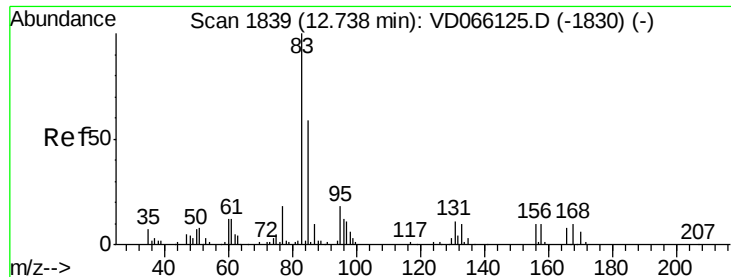
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.701 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

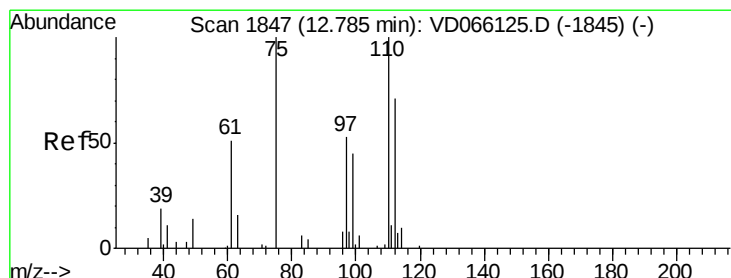
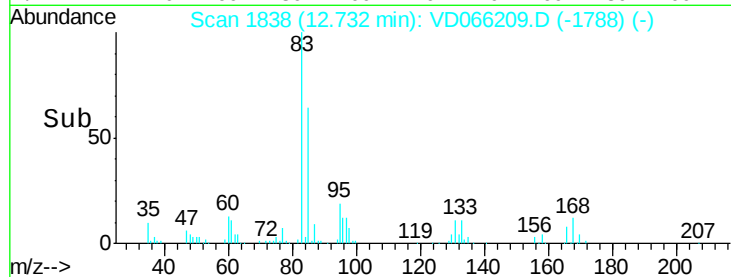
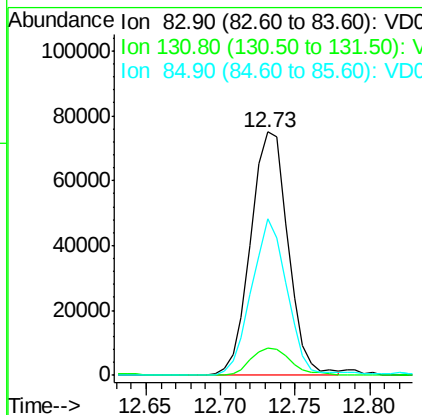
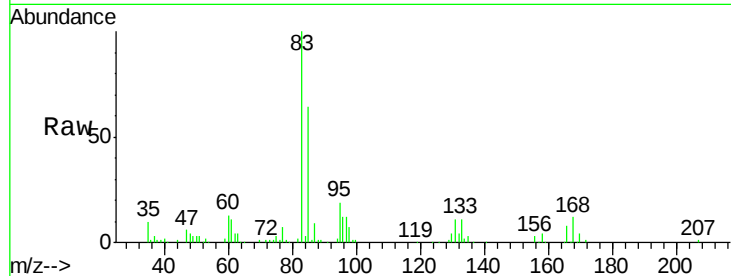
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	130029
Ion Ratio	Lower	Upper	
83	100		
131	12.1	6.2	18.6
85	61.0	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.434 ug/l m

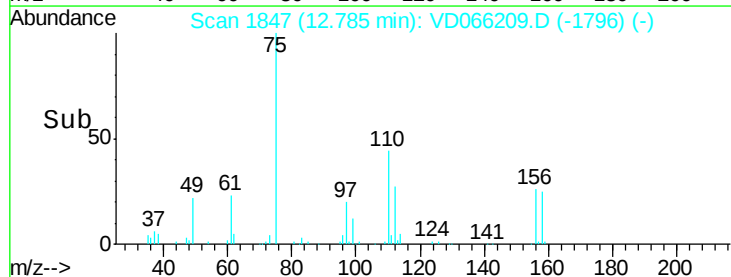
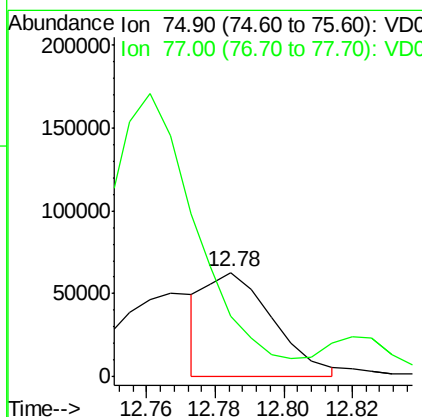
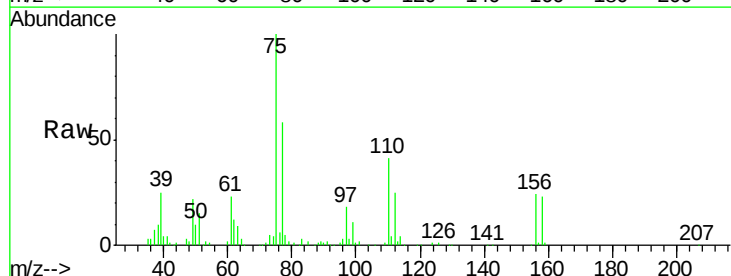
RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Tgt Ion:	75	Resp:	85744
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.304 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

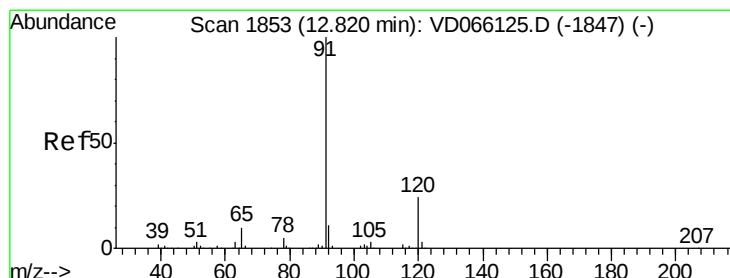
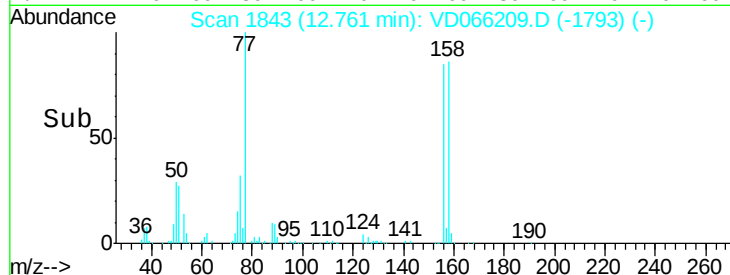
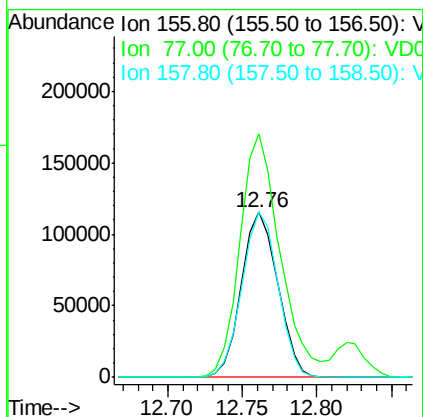
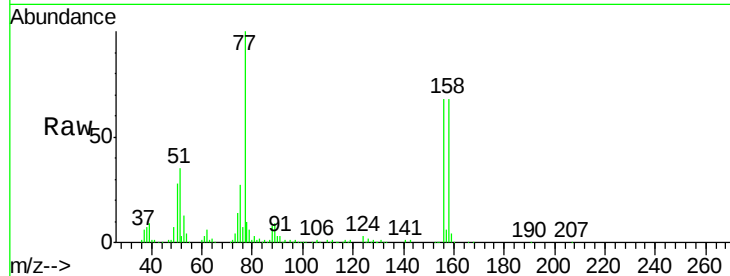
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	194820
Ion Ratio	Lower	Upper	
156	100		
77	163.2	81.0	243.1
158	99.7	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 54.654 ug/l

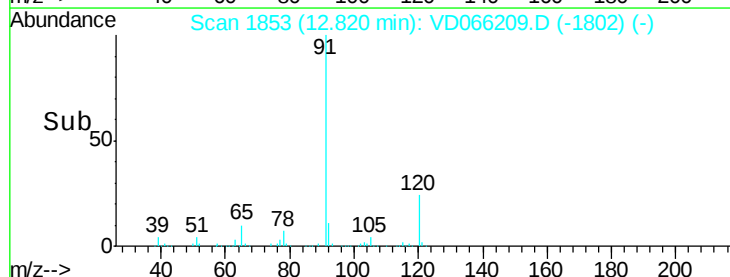
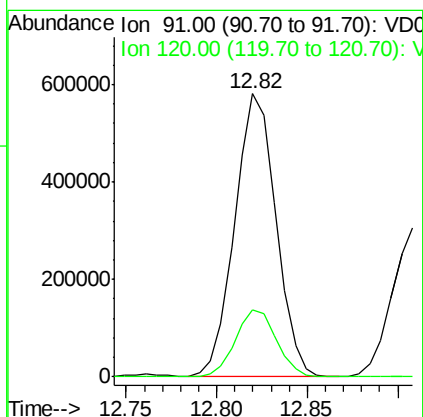
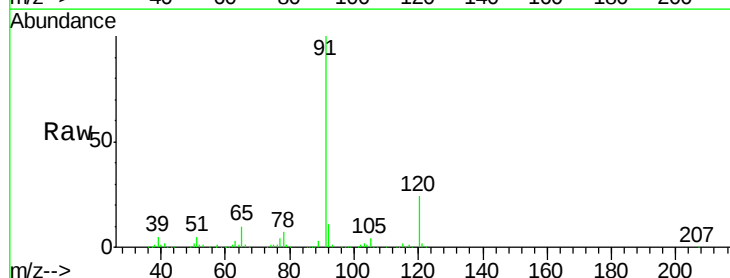
RT: 12.82 min Scan# 1853

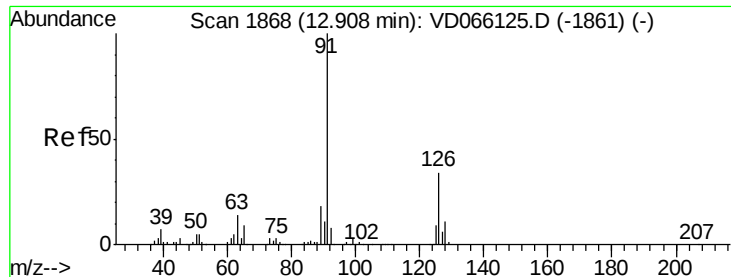
Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Tgt Ion:	91	Resp:	919270
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.0	36.0





#79

2-Chlorotoluene

Concen: 53.699 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 516579

Ion Ratio Lower Upper

91 100

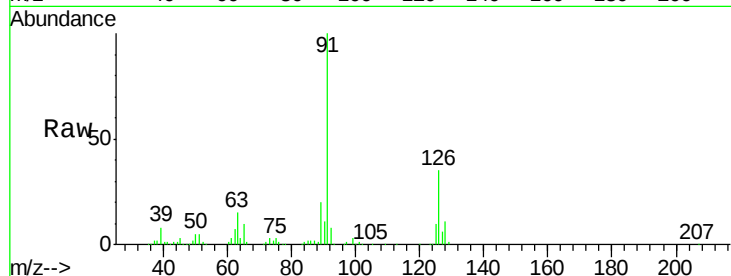
126 35.0 17.5 52.6

Manual Integrations

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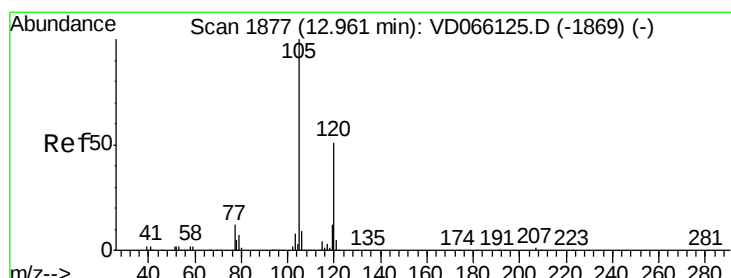
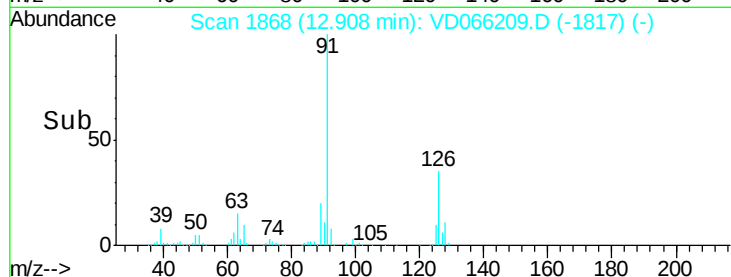
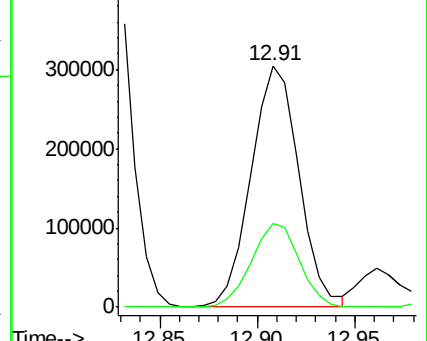
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Abundance Ion 91.00 (90.70 to 91.70): VD066209.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066209.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.786 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066209.D

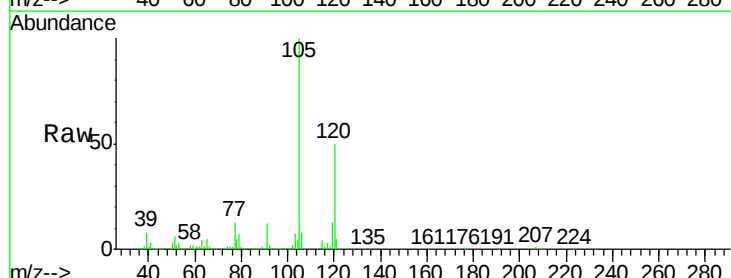
Acq: 13 Aug 2020 13:45

Tgt Ion: 105 Resp: 662962

Ion Ratio Lower Upper

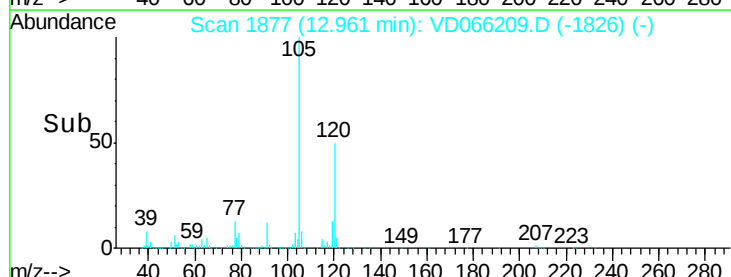
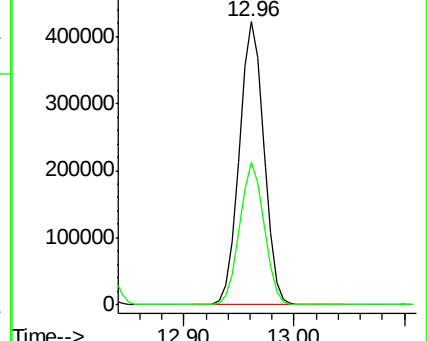
105 100

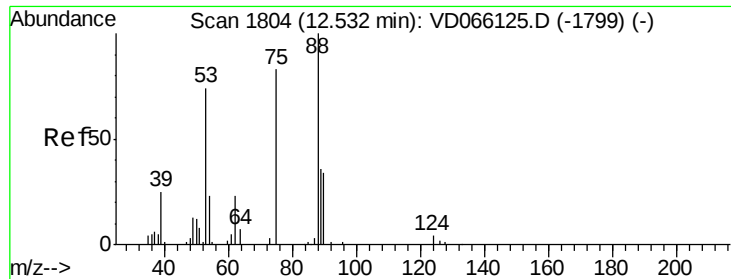
120 50.0 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066209.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066209.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 54.893 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 44888

Ion Ratio Lower Upper

75 100

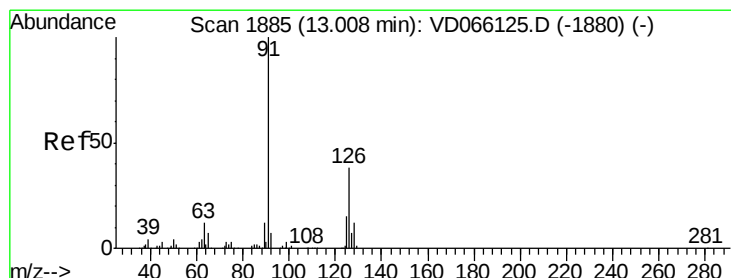
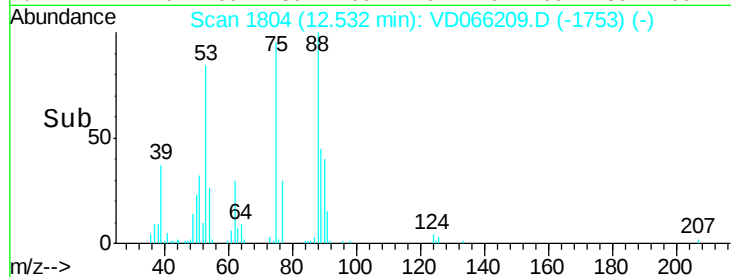
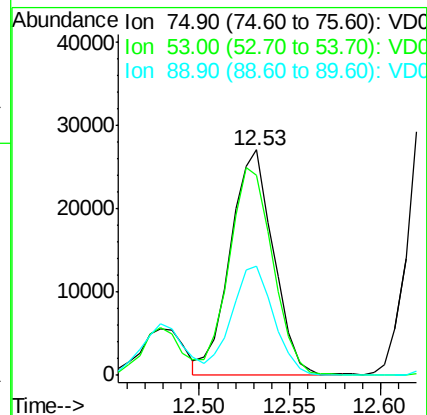
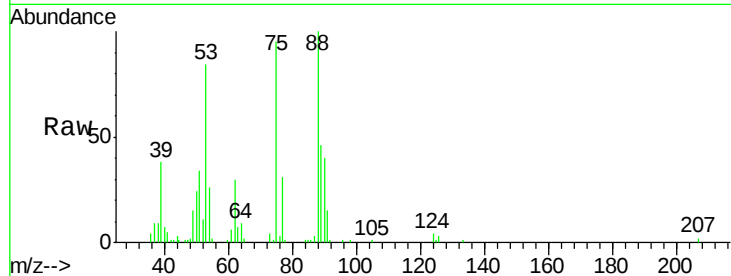
53 92.3 73.4 110.2

89 47.3 36.6 55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.395 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066209.D

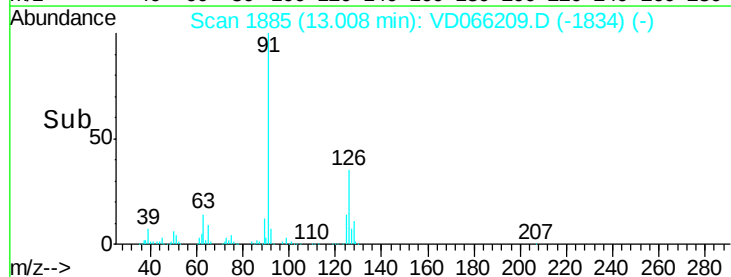
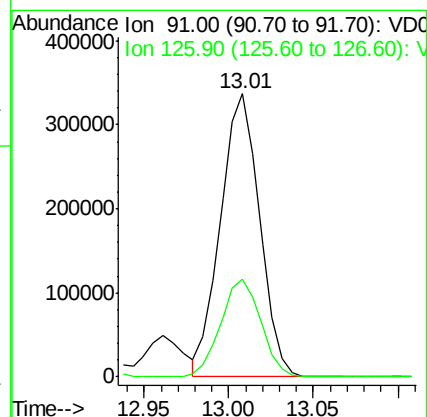
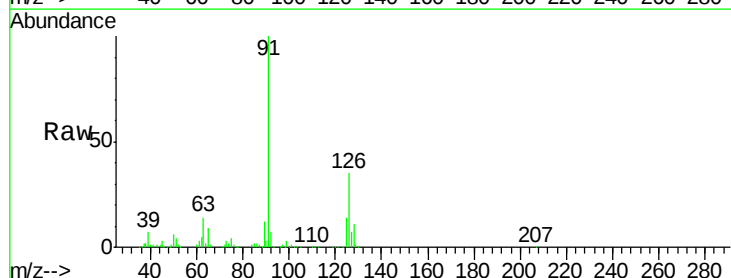
Acq: 13 Aug 2020 13:45

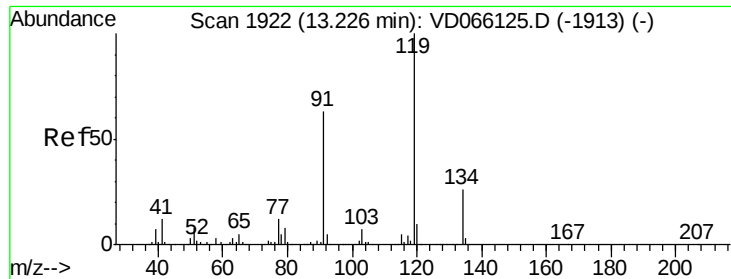
Tgt Ion: 91 Resp: 542229

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.3





#83

tert-Butylbenzene

Concen: 54.081 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Instrument :

MSVOA_D

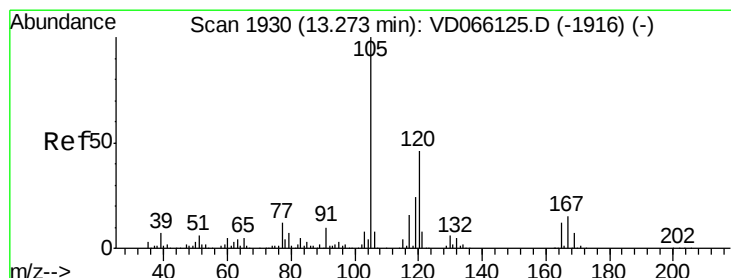
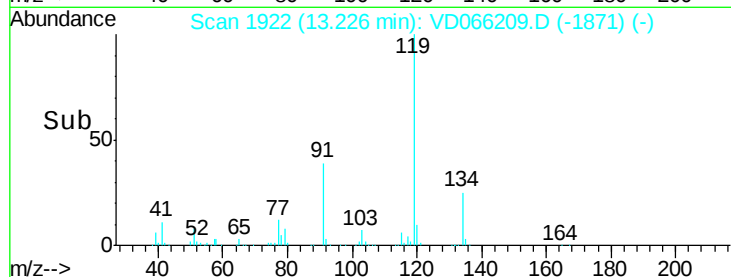
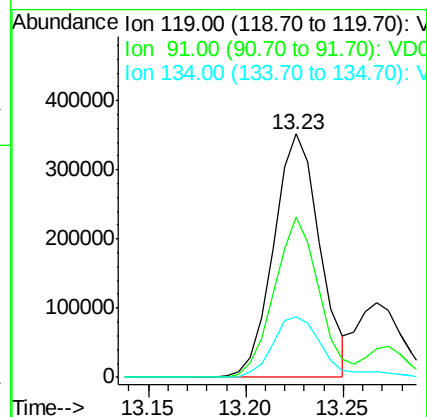
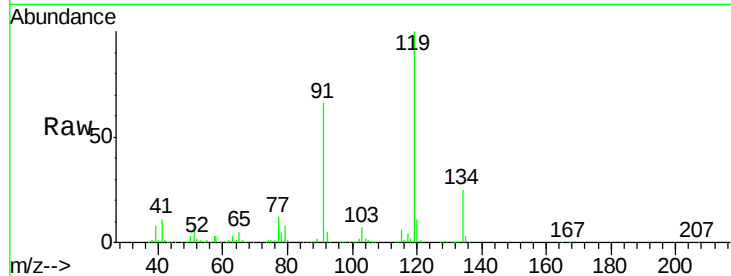
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	575531		
91	64.0		30.8	92.4
134	27.8		13.6	40.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 54.692 ug/l

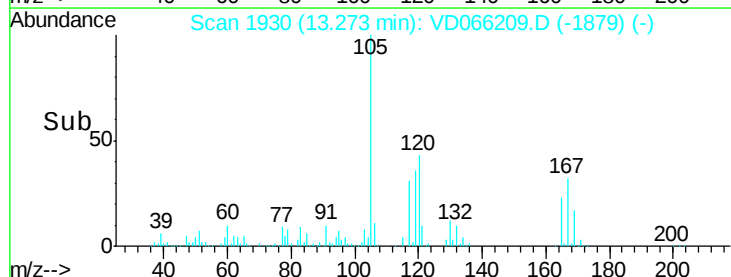
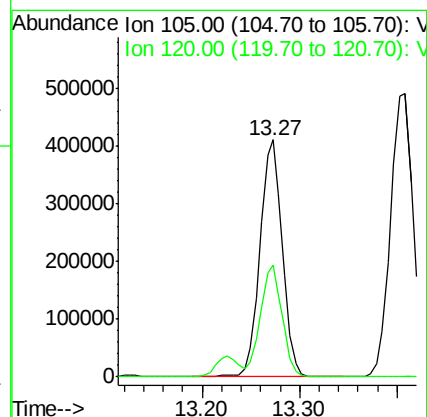
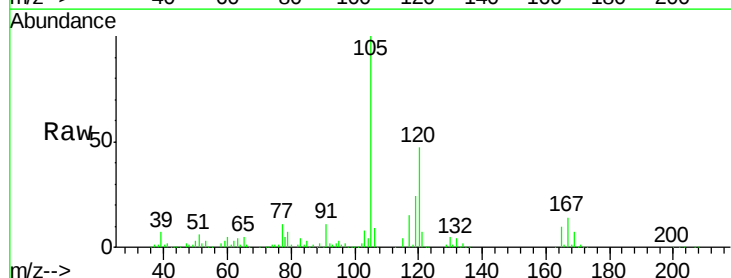
RT: 13.27 min Scan# 1930

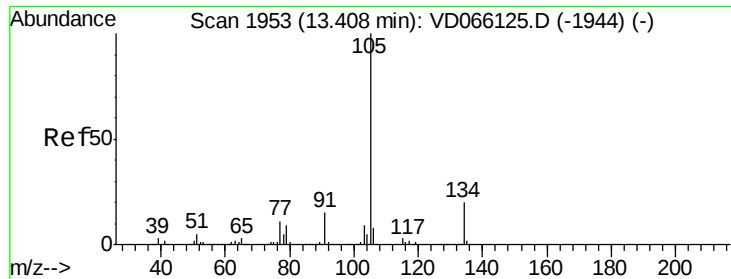
Delta R.T. 0.00 min

Lab File: VD066209.D

Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	662337		
120	45.9		23.1	69.2





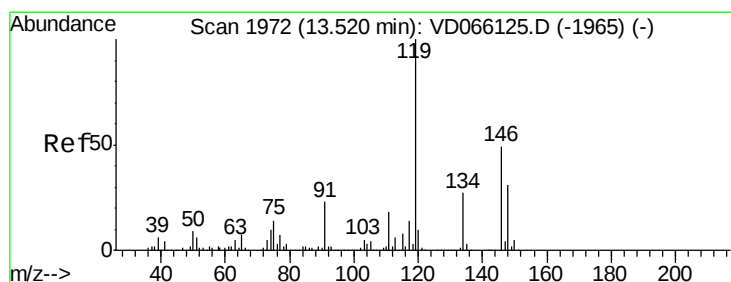
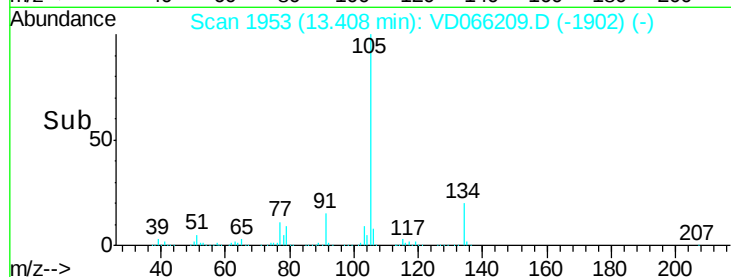
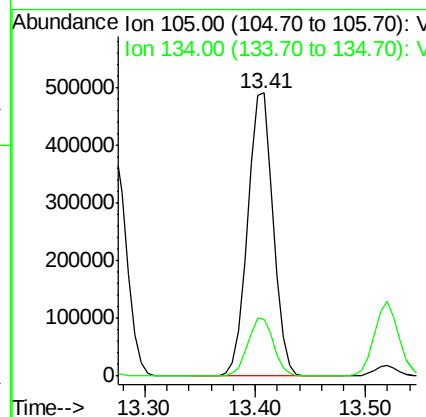
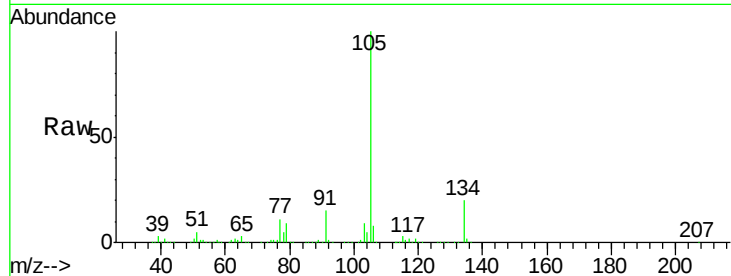
#85
 sec-Butylbenzene
 Concen: 55.363 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.4

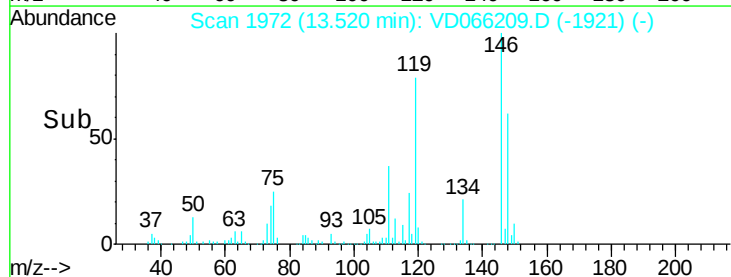
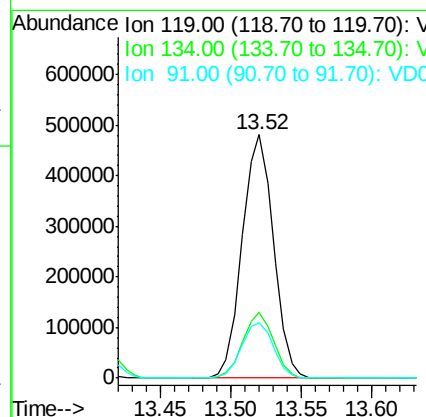
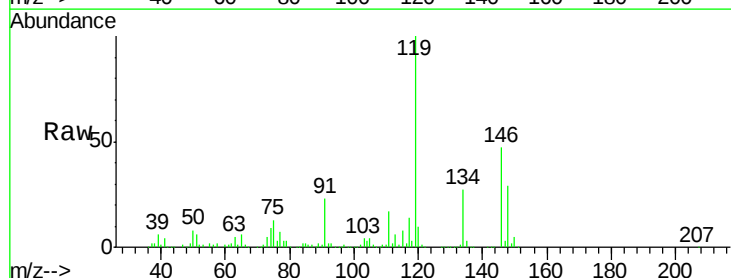
Manual Integrations
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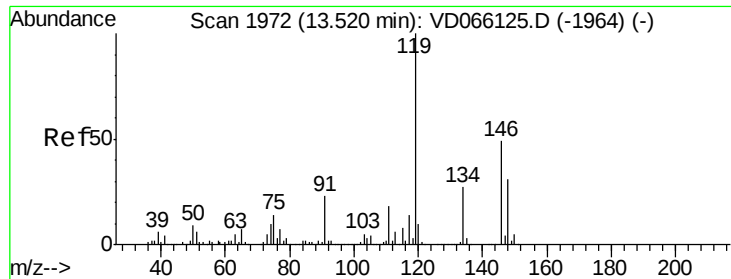
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 55.433 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.4
91	23.1	11.2	33.5





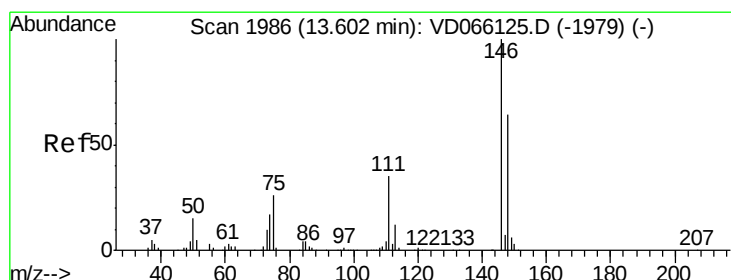
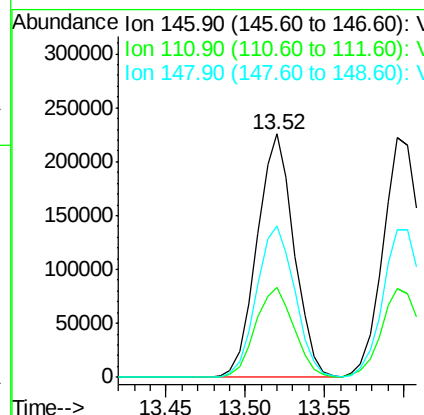
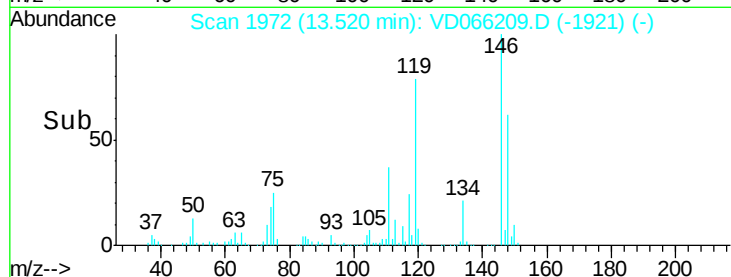
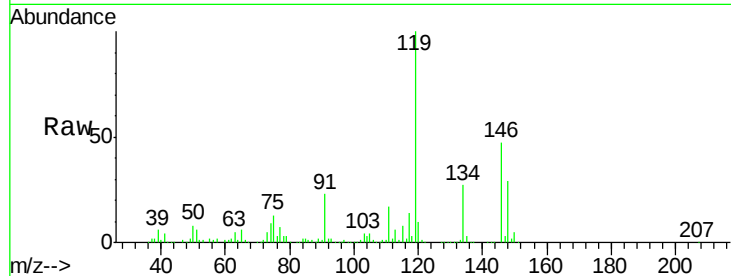
#87
 1,3-Dichlorobenzene
 Concen: 52.347 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	366452		
111	38.2	18.9	56.9	
148	64.4	31.8	95.3	

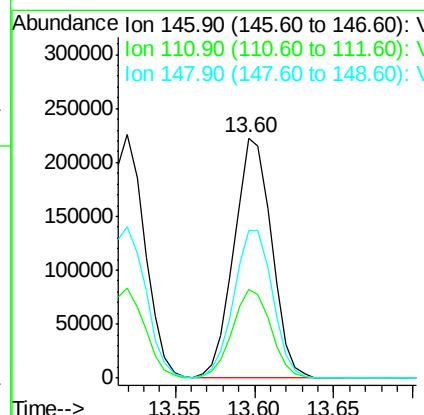
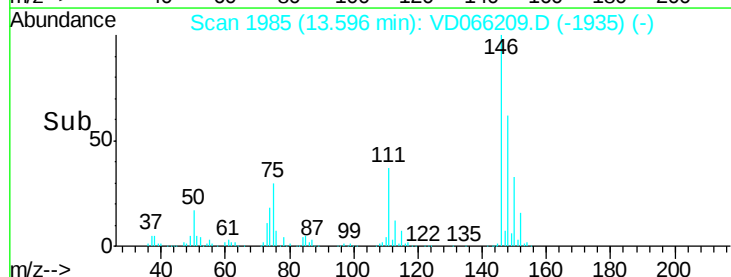
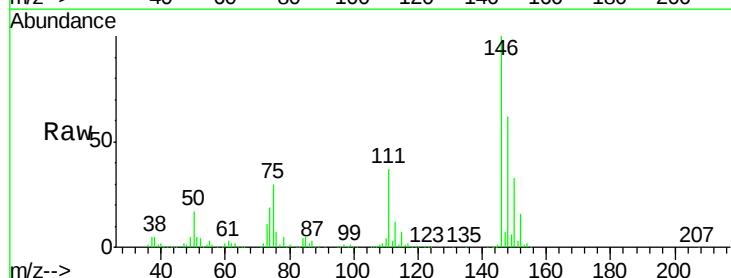
Manual Integrations
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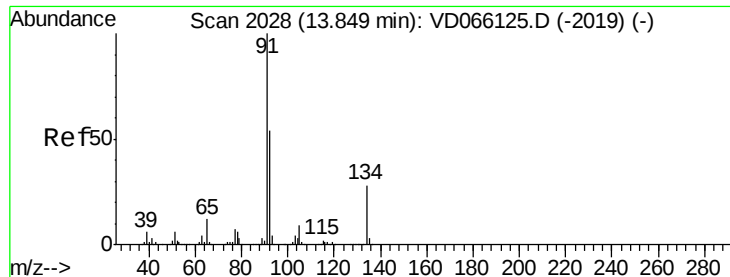
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#88
 1,4-Dichlorobenzene
 Concen: 52.509 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	366592		
111	37.9	18.6	55.8	
148	63.8	32.4	97.0	





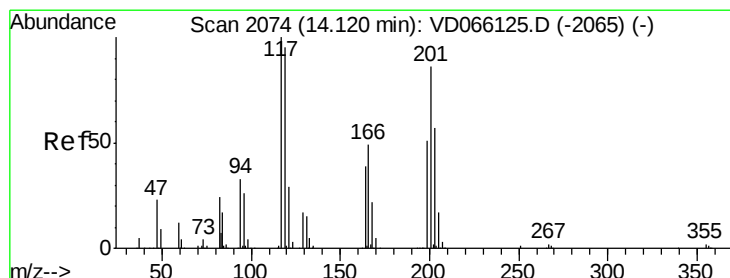
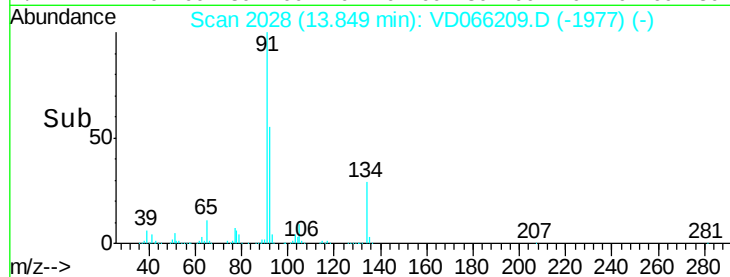
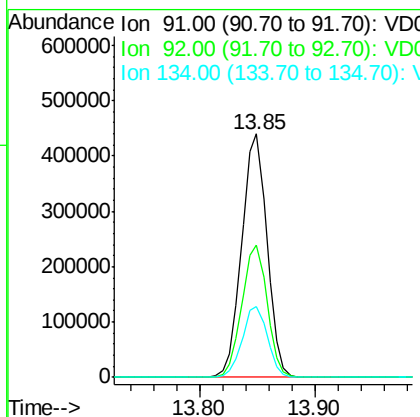
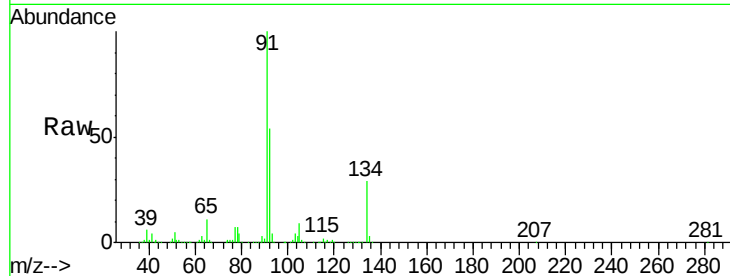
#89
n-Butylbenzene
Concen: 55.378 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	26.8	80.3
134	29.0	14.0	41.9

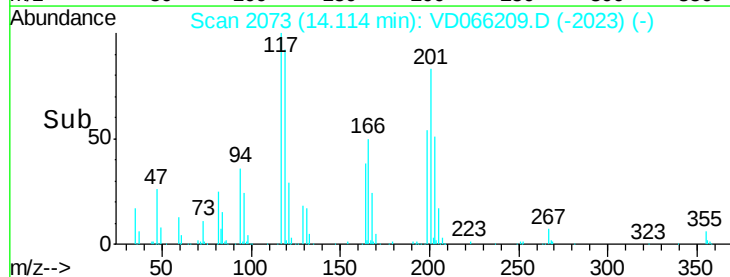
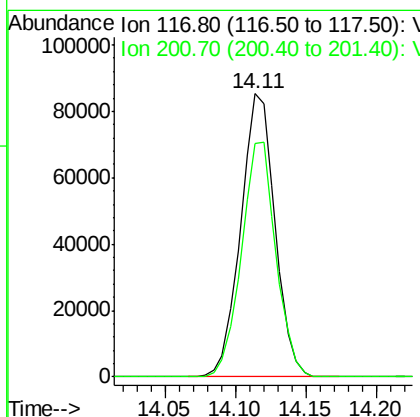
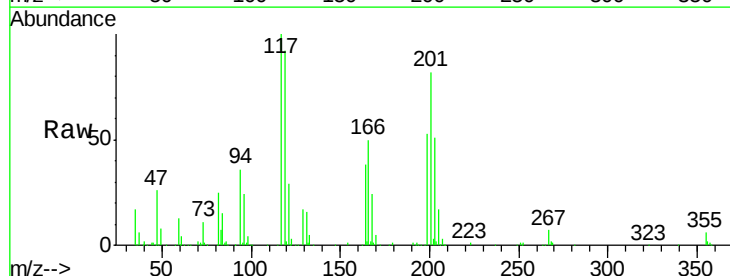
Manual Integrations
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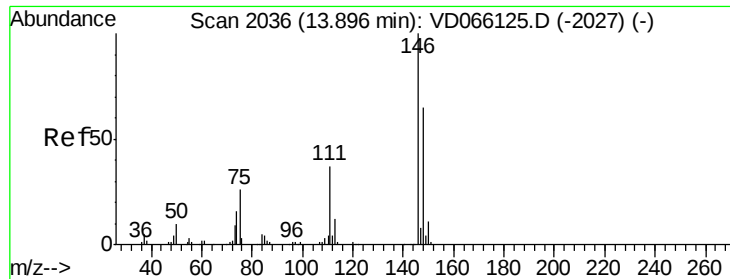
MMDadoda
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#90
Hexachloroethane
Concen: 53.921 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.1	42.7	128.1





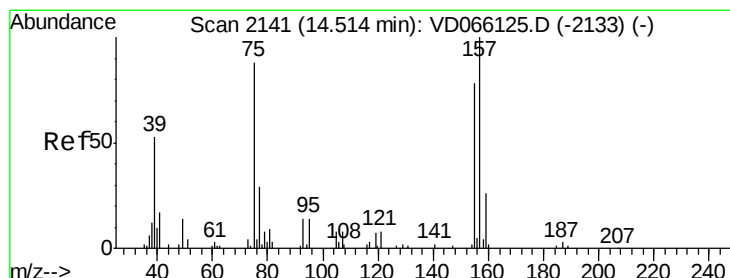
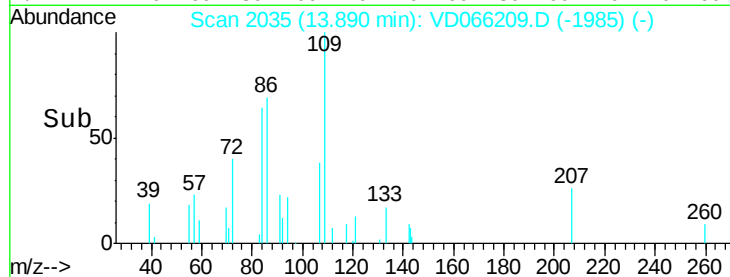
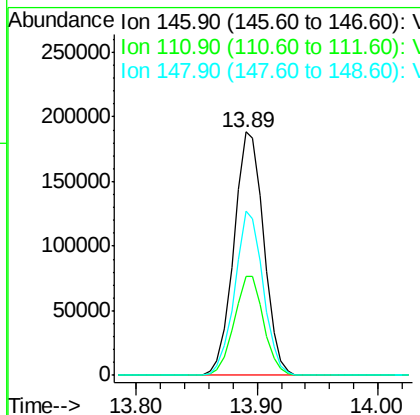
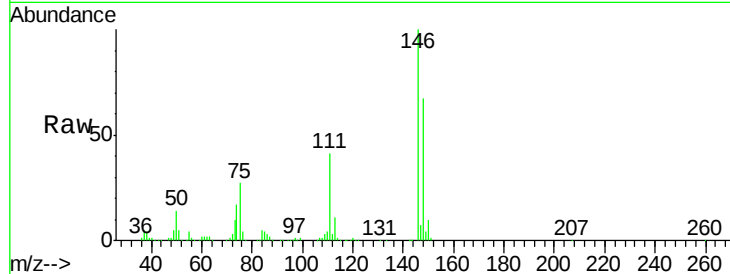
#91
 1,2-Dichlorobenzene
 Concen: 52.477 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	18.8	56.3
148	64.2	31.9	95.5

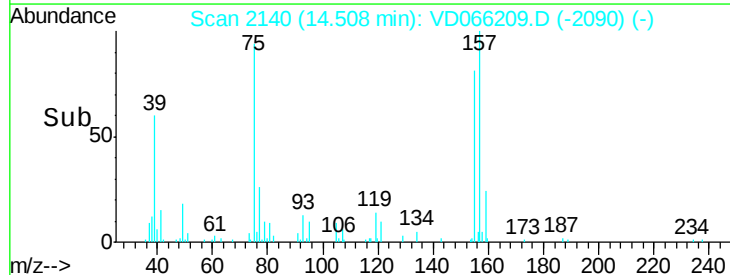
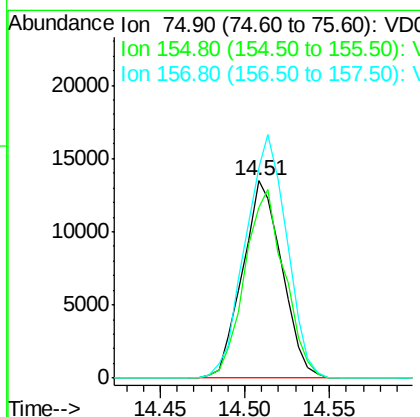
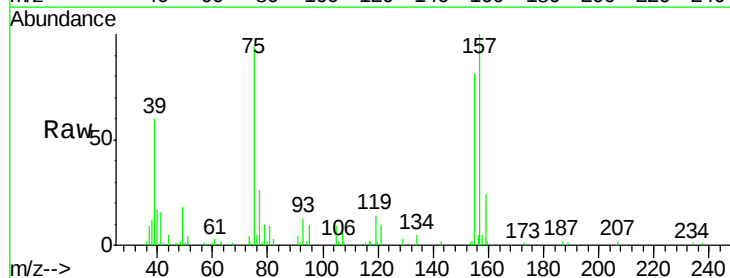
Manual Integrations
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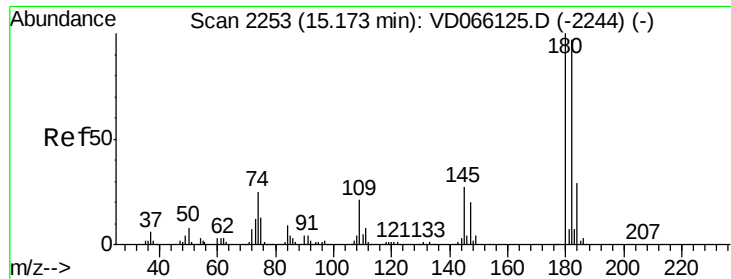
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 8/14/2020 5:11:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.786 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.7	47.7	143.1
157	128.5	62.1	186.2





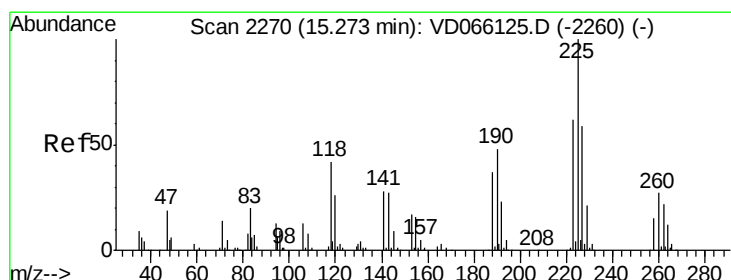
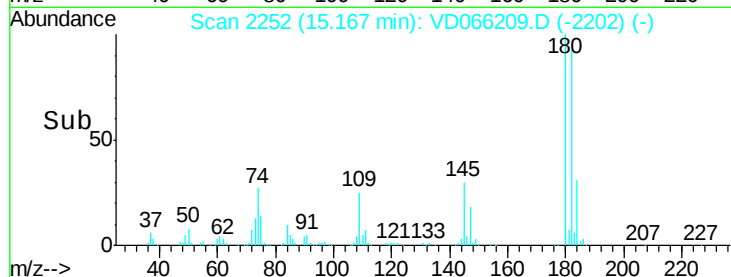
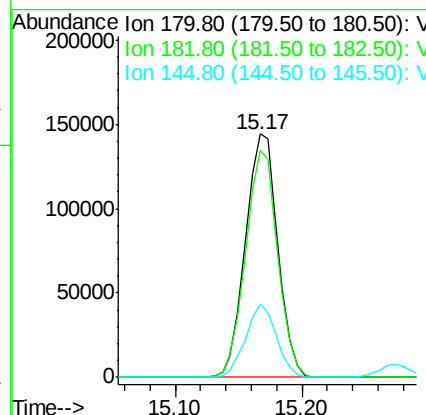
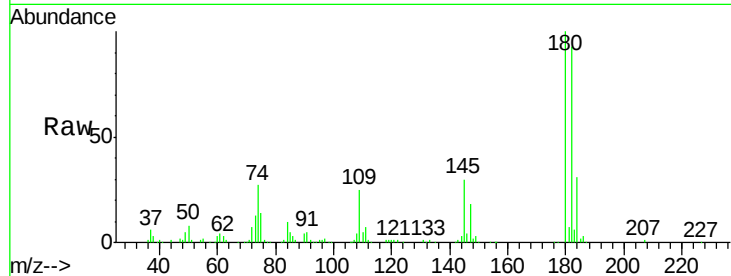
#93
 1,2,4-Trichlorobenzene
 Concen: 55.986 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	255431		
182	92.5	47.4	142.2	
145	28.8	14.5	43.6	

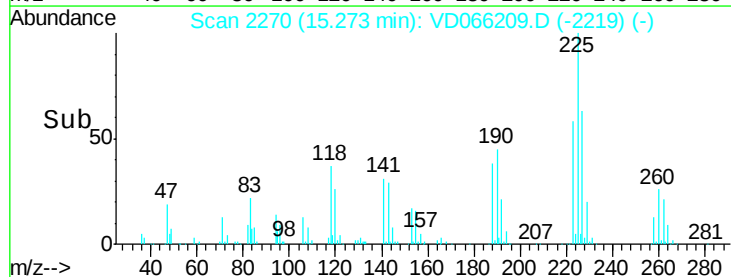
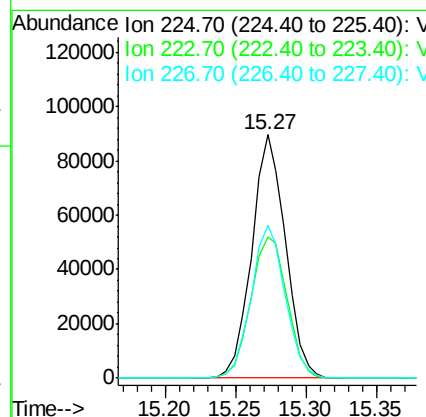
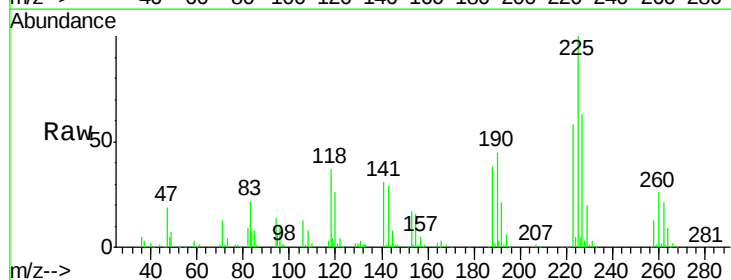
Manual Integrations
 APPROVED

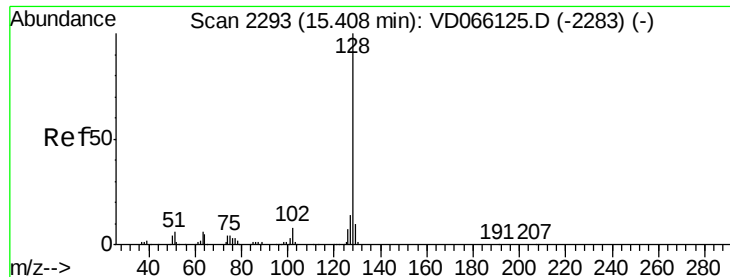
MMDadoda
 8/14/2020 5:11:53 PM



#94
 Hexachlorobutadiene
 Concen: 55.752 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066209.D
 Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	149785		
223	62.5	32.3	96.9	
227	63.5	32.1	96.5	





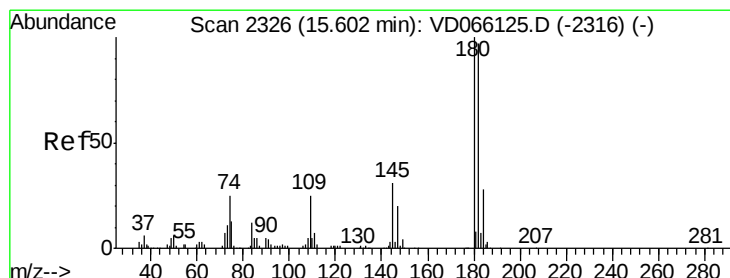
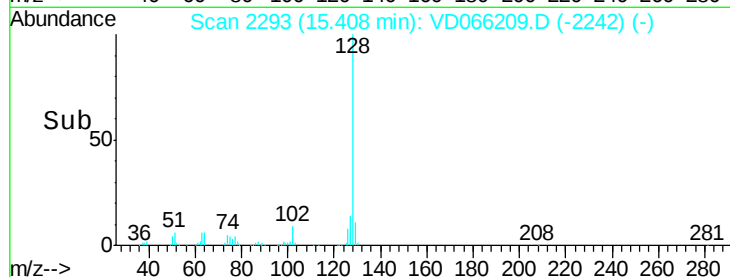
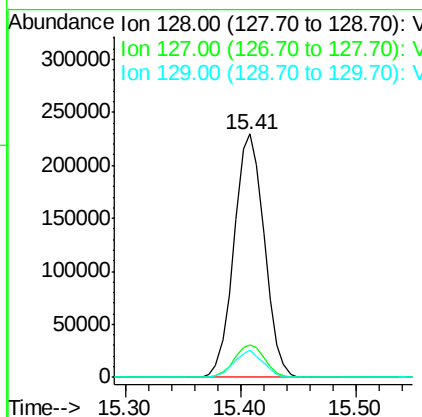
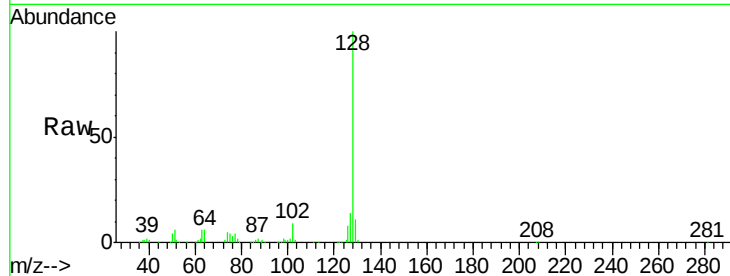
#95
Naphthalene
Concen: 56.025 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	416497		
127	13.5		11.0	16.4
129	10.7		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/14/2020 5:11:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.712 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066209.D
Acq: 13 Aug 2020 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	216329		
182	95.8		47.1	141.4
145	31.6		14.9	44.9

