

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066948.D
 Acq On : 29 Sep 2020 19:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:21:59 PM

Quant Time: Sep 30 03:58:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	396630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	628772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	585148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284029	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	187981	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	7.91	113	194495	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
50) Toluene-d8	10.34	98	693465	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.63	95	242158	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	136762	49.378	ug/l	97
3) Chloromethane	2.21	50	150144	41.201	ug/l	94
4) Vinyl Chloride	2.35	62	152056	42.235	ug/l	97
5) Bromomethane	2.77	94	115904	45.802	ug/l	99
6) Chloroethane	2.92	64	100892	45.127	ug/l	95
7) Trichlorofluoromethane	3.27	101	353547	47.816	ug/l	97
8) Diethyl Ether	3.71	74	105777	56.351	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	210907	49.192	ug/l	98
10) Methyl Iodide	4.30	142	204850	54.144	ug/l	97
11) Tert butyl alcohol	5.22	59	71335	316.985	ug/l	96
12) 1,1-Dichloroethene	4.06	96	194301	50.027	ug/l	97
13) Acrolein	3.92	56	72485	253.110	ug/l	95
14) Allyl chloride	4.71	41	292556	51.297	ug/l	97
15) Acrylonitrile	5.42	53	234987	282.484	ug/l	98
16) Acetone	4.16	43	177236	215.218	ug/l	100
17) Carbon Disulfide	4.41	76	558280	47.017	ug/l	100
18) Methyl Acetate	4.72	43	109253	60.199	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	490713	58.179	ug/l	96
20) Methylene Chloride	4.96	84	252683	57.756	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	239501	53.256	ug/l	95
22) Diisopropyl ether	6.36	45	641981	54.747	ug/l	98
23) Vinyl Acetate	6.30	43	1699956	266.833	ug/l	97
24) 1,1-Dichloroethane	6.27	63	407746	51.977	ug/l	97
25) 2-Butanone	7.21	43	272818	275.672	ug/l	98
26) 2,2-Dichloropropane	7.21	77	334237	46.486	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	273249	55.922	ug/l	97
28) Bromochloromethane	7.54	49	173596	53.565	ug/l #	94
29) Tetrahydrofuran	7.56	42	178679	281.776	ug/l	97
30) Chloroform	7.71	83	449887	53.203	ug/l	99
31) Cyclohexane	7.99	56	325200	46.072	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	396479	51.831	ug/l	99
36) 1,1-Dichloropropene	8.11	75	323877	51.921	ug/l	98
37) Ethyl Acetate	7.29	43	125563	55.680	ug/l	95
38) Carbon Tetrachloride	8.10	117	352439	51.679	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	378913	52.906	ug/l	98
40) Benzene	8.35	78	944605	54.334	ug/l	98
41) Methacrylonitrile	7.53	41	66236m	47.762	ug/l	
42) 1,2-Dichloroethane	8.42	62	272990	53.117	ug/l	99
43) Isopropyl Acetate	8.45	43	245306	56.423	ug/l	99
44) Trichloroethene	9.11	130	272073	54.905	ug/l	97
45) 1,2-Dichloropropane	9.38	63	235407	53.819	ug/l	99
46) Dibromomethane	9.47	93	134475	56.584	ug/l	96
47) Bromodichloromethane	9.66	83	352121	55.155	ug/l #	98
48) Methyl methacrylate	9.45	41	128599	59.993	ug/l	93
49) 1,4-Dioxane	9.46	88	32936	1247.778	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	632168	286.961	ug/l	98
52) Toluene	10.40	92	622357	55.576	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	310687	57.177	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	370144	55.865	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	184067	56.340	ug/l	97
56) Ethyl methacrylate	10.66	69	217847	62.243	ug/l	97
57) 1,3-Dichloropropane	10.94	76	305532	56.635	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	415995	251.022	ug/l	97
59) 2-Hexanone	10.98	43	432491	291.116	ug/l	96
60) Dibromochloromethane	11.14	129	245971	57.686	ug/l	99
61) 1,2-Dibromoethane	11.24	107	181361	59.682	ug/l	99
64) Tetrachloroethene	10.87	164	235177	55.874	ug/l	99
65) Chlorobenzene	11.67	112	667440	54.797	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	257847	55.933	ug/l	98
67) Ethyl Benzene	11.74	91	1187611	55.516	ug/l	100
68) m/p-Xylenes	11.85	106	923736	114.050	ug/l	98
69) o-Xylene	12.18	106	425245	58.064	ug/l	98
70) Styrene	12.20	104	738928	58.098	ug/l	100
71) Bromoform	12.36	173	136562	58.508	ug/l #	99
73) Isopropylbenzene	12.48	105	1151147	56.104	ug/l	99
74) N-amyl acetate	12.29	43	224257	55.968	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	196929	55.621	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	124273m	52.797	ug/l	
77) Bromobenzene	12.76	156	270663	56.403	ug/l	95
78) n-propylbenzene	12.82	91	1336464	54.142	ug/l	99
79) 2-Chlorotoluene	12.91	91	761257	54.119	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	968242	55.614	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	55016	58.478	ug/l	96
82) 4-Chlorotoluene	13.01	91	808381	54.517	ug/l	99
83) tert-Butylbenzene	13.23	119	803898	56.192	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	976263	56.549	ug/l	99
85) sec-Butylbenzene	13.40	105	1137577	55.296	ug/l	100
86) p-Isopropyltoluene	13.52	119	1049891	56.617	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	525760	55.456	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	507875	53.936	ug/l	98
89) n-Butylbenzene	13.85	91	956303	54.256	ug/l	99
90) Hexachloroethane	14.11	117	201989	53.653	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	455612	56.171	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	31650	55.571	ug/l	92

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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)
93) 1,2,4-Trichlorobenzene	15.17	180	306680	60.062	ug/l	97
94) Hexachlorobutadiene	15.27	225	170739	55.802	ug/l	99
95) Naphthalene	15.41	128	557085	64.263	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	269997	61.265	ug/l	98

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

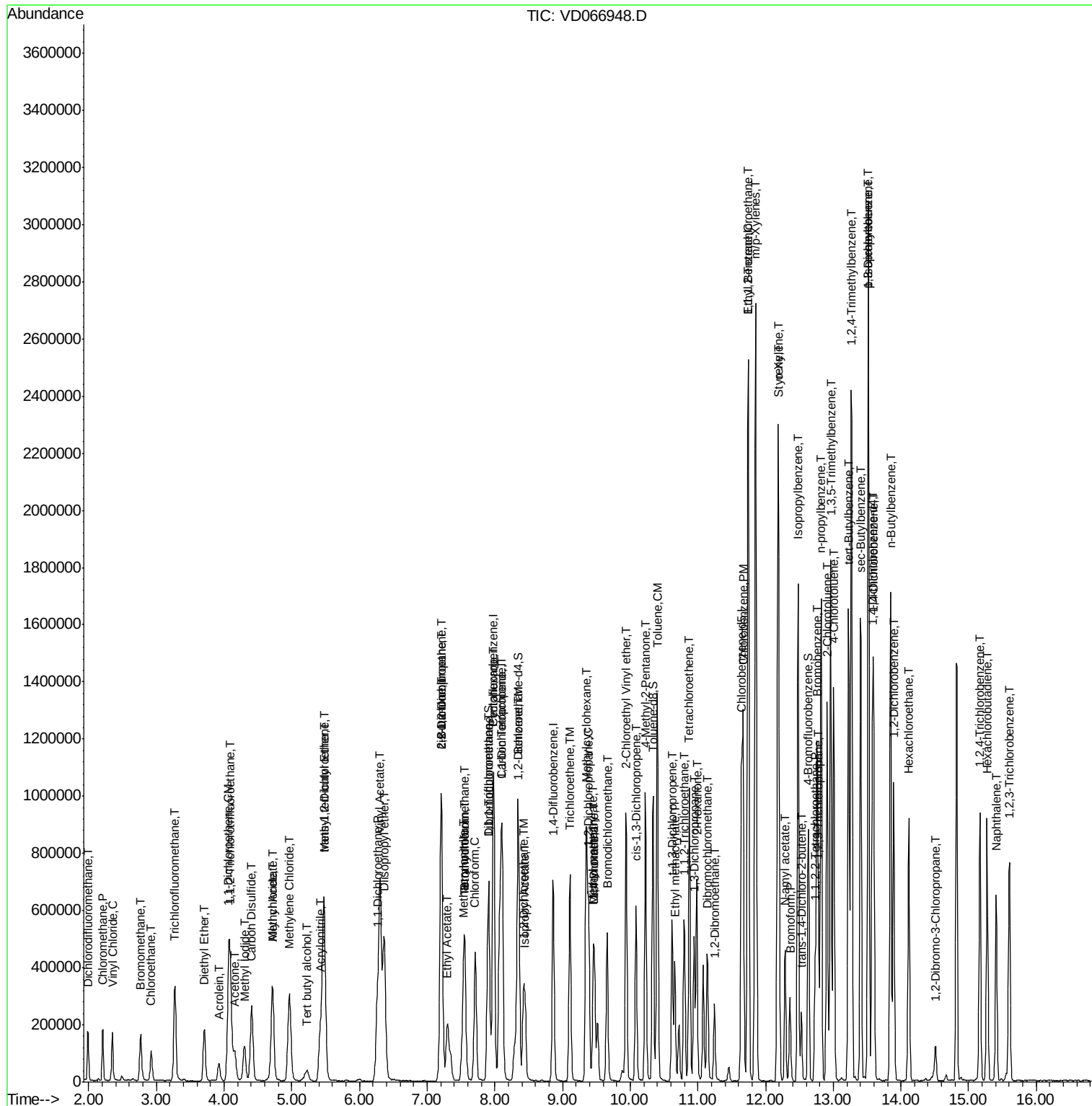
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\
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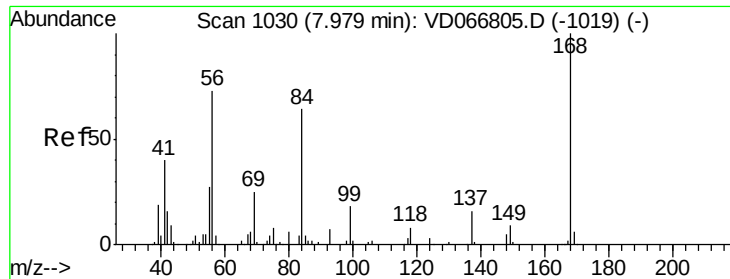
Instrument :
MSVOA_D
Client Sample Id :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 396630

Ion Ratio Lower Upper

168 100

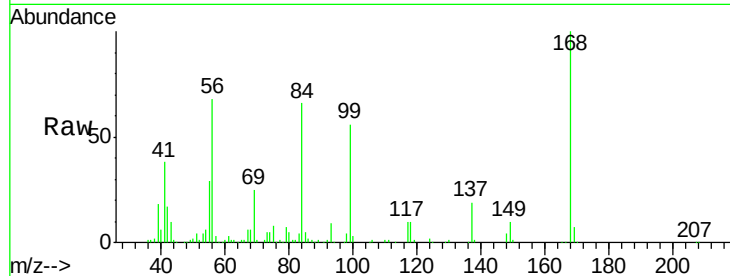
99 55.7 46.6 69.8

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

7.98

150000

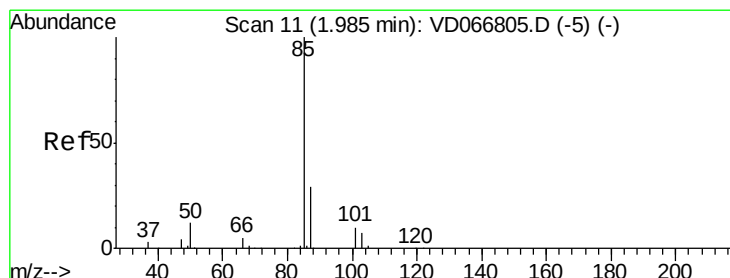
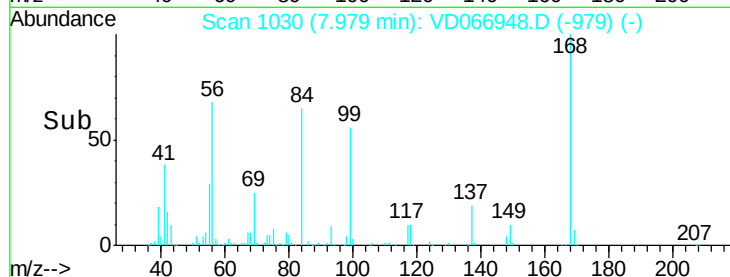
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.378 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066948.D

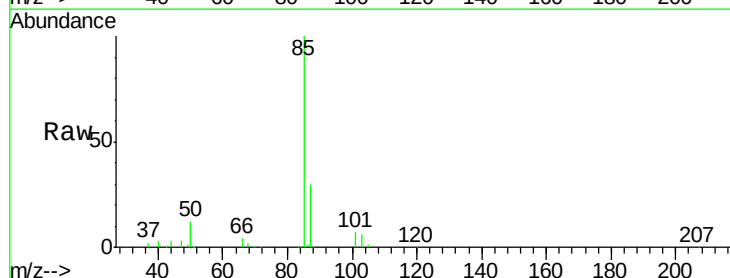
Acq: 29 Sep 2020 19:31

Tgt Ion: 85 Resp: 136762

Ion Ratio Lower Upper

85 100

87 30.3 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

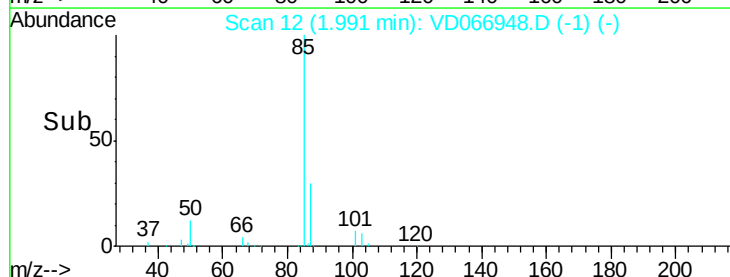
40000

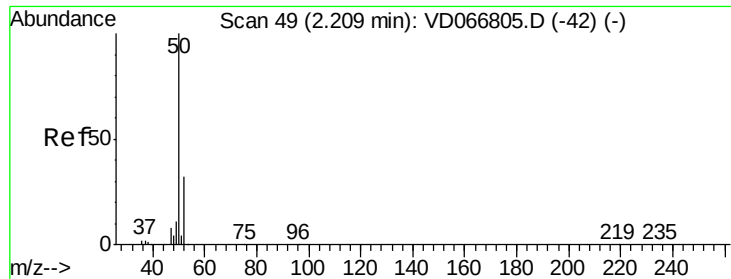
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 41.201 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 150144

Ion Ratio Lower Upper

50 100

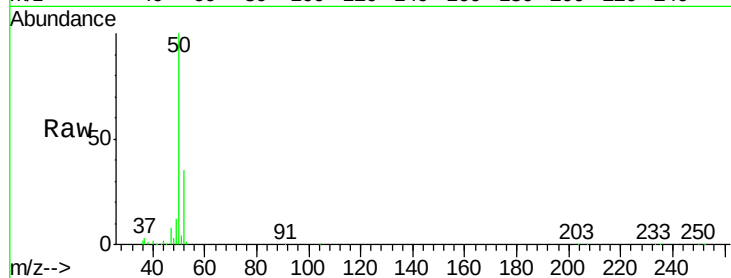
52 35.0 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

120000

100000

80000

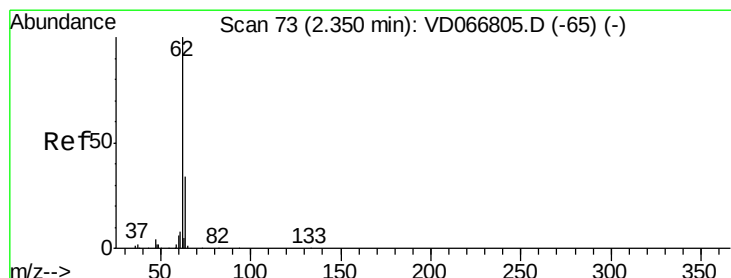
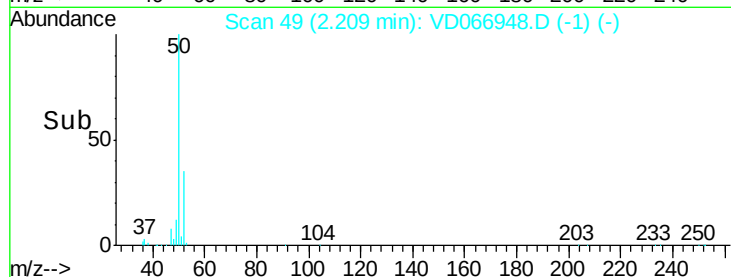
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 42.235 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066948.D

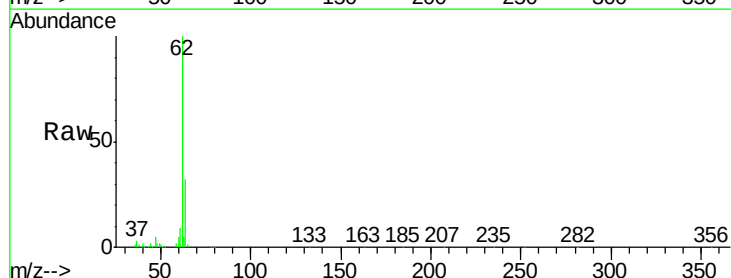
Acq: 29 Sep 2020 19:31

Tgt Ion: 62 Resp: 152056

Ion Ratio Lower Upper

62 100

64 31.9 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

100000

80000

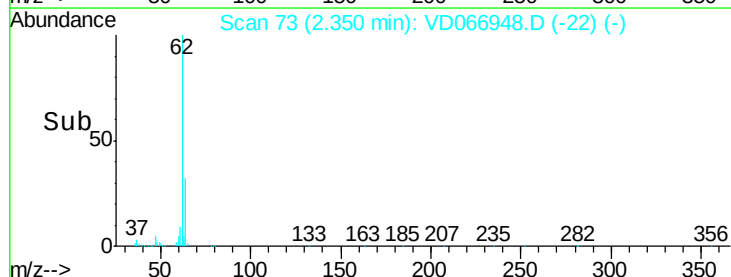
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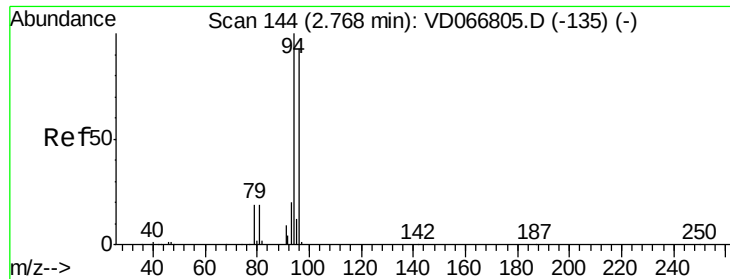
40000

20000

0

Time-->





#5

Bromomethane

Concen: 45.802 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 115904

Ion Ratio Lower Upper

94 100

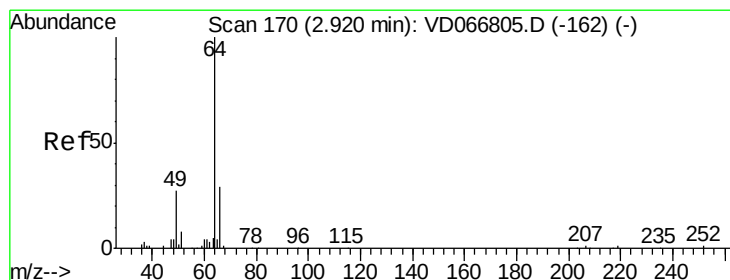
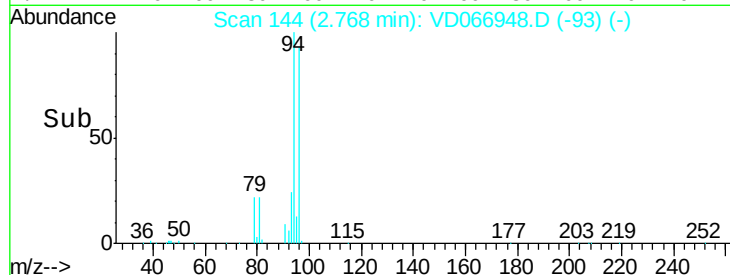
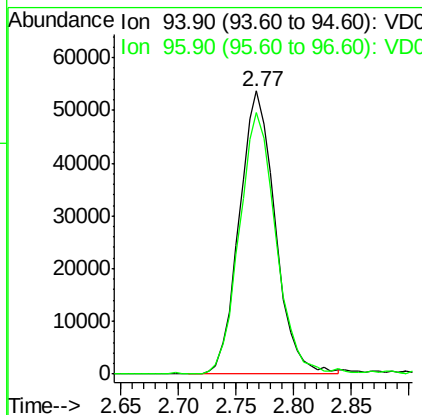
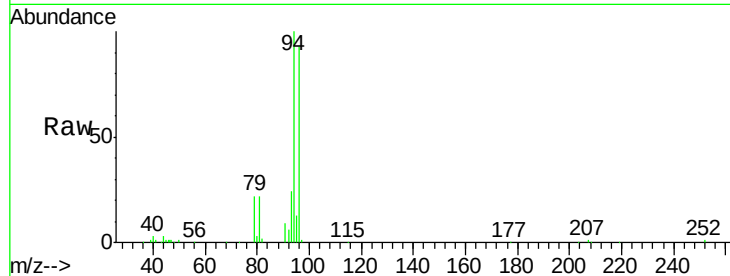
96 92.3 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 45.127 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066948.D

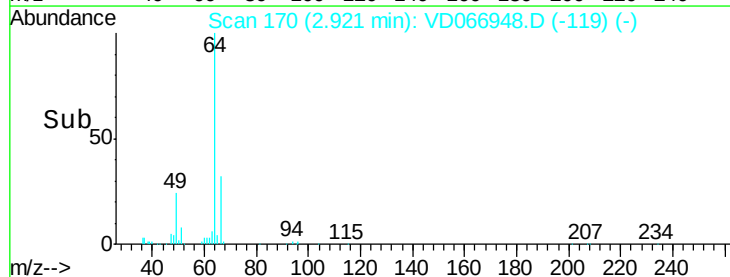
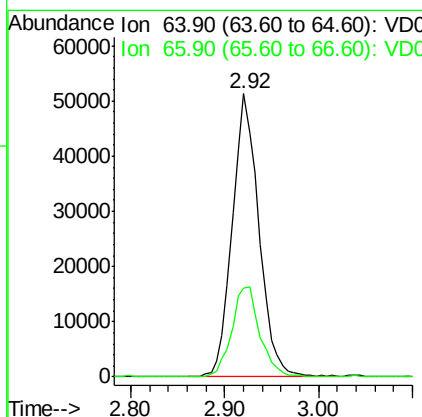
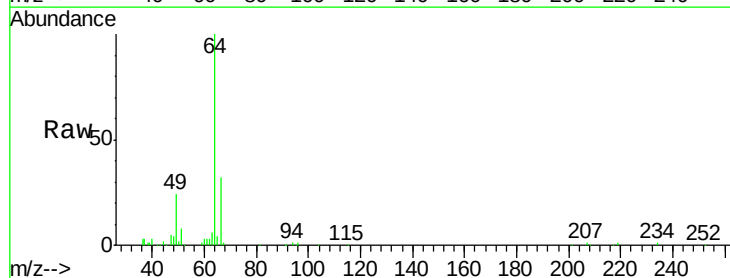
Acq: 29 Sep 2020 19:31

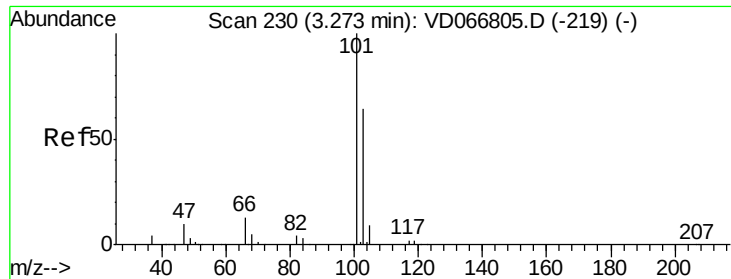
Tgt Ion: 64 Resp: 100892

Ion Ratio Lower Upper

64 100

66 31.6 23.3 34.9





#7

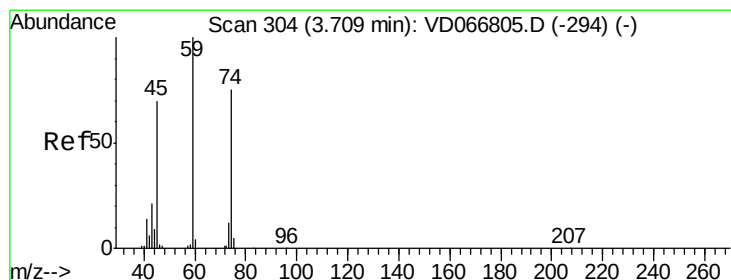
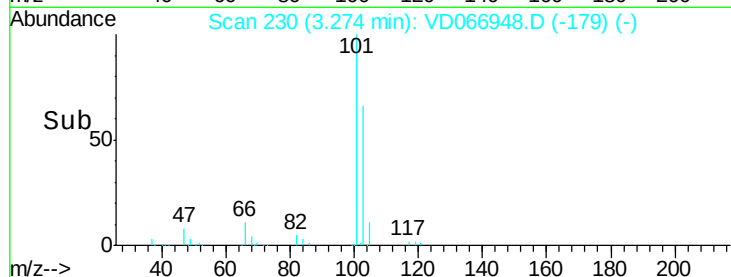
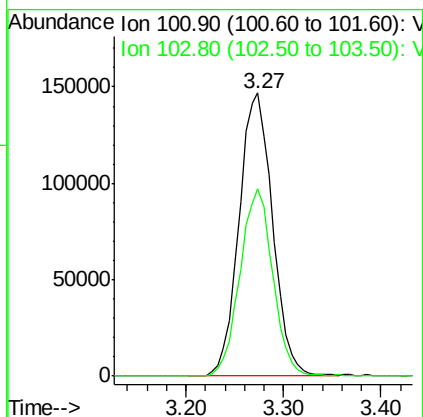
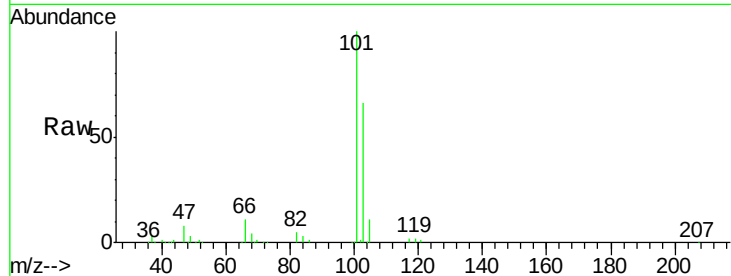
Trichlorofluoromethane
 Concen: 47.816 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.0	76.6

Manual Integrations
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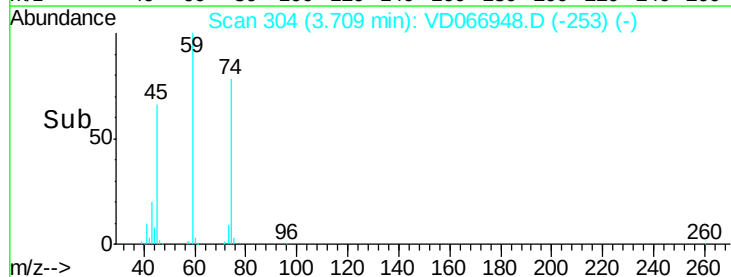
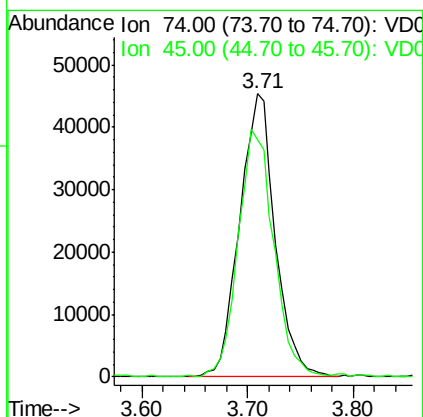
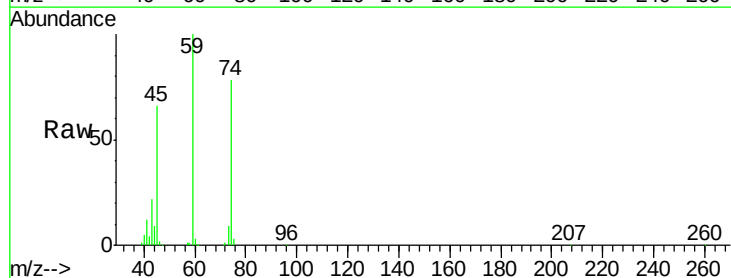
MMDadoda
 9/30/2020 1:21:59 PM

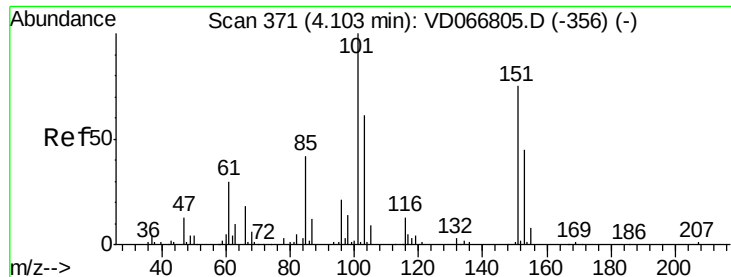


#8

Diethyl Ether
 Concen: 56.351 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.9	46.0	138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.192 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

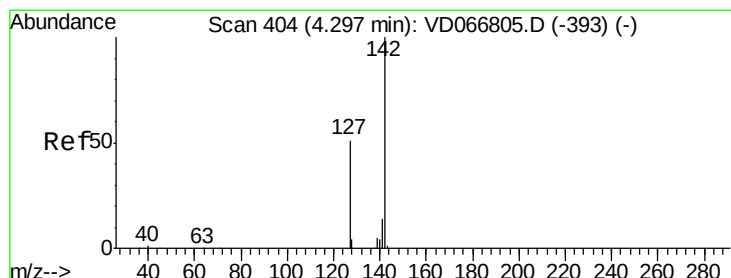
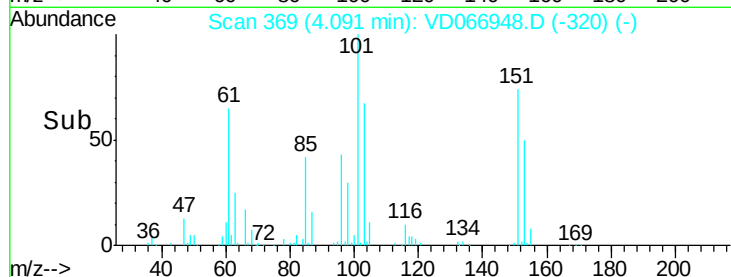
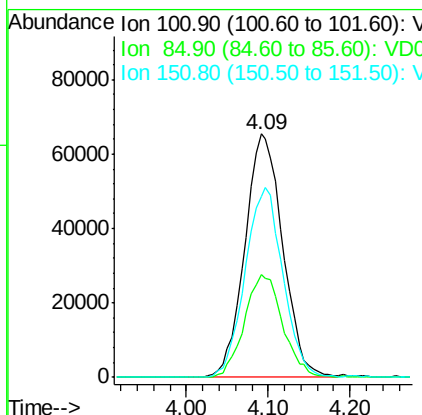
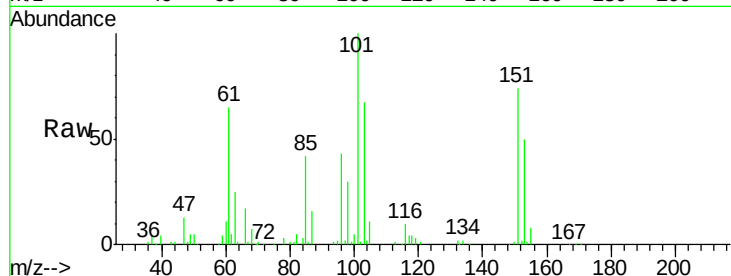
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	210907
Ion Ratio	Lower	Upper	
101	100		
85	42.4	35.4	53.2
151	77.6	61.4	92.0

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#10

Methyl Iodide

Concen: 54.144 ug/l

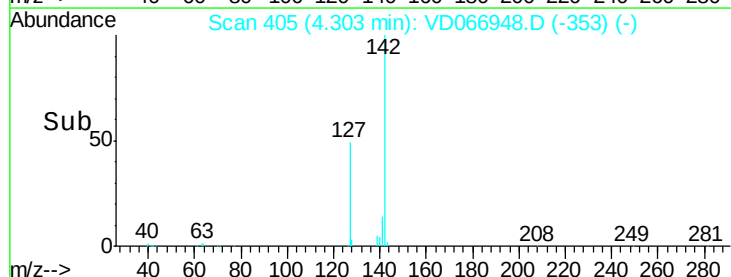
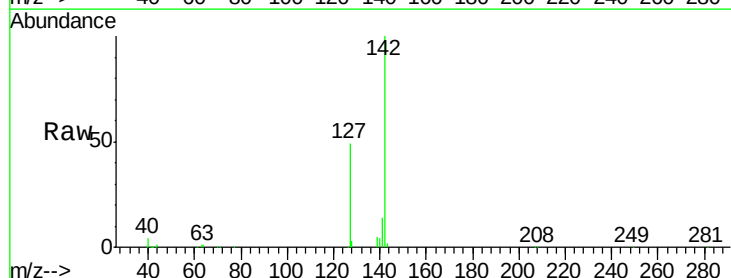
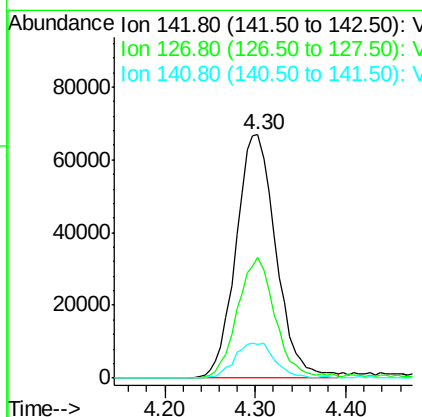
RT: 4.30 min Scan# 405

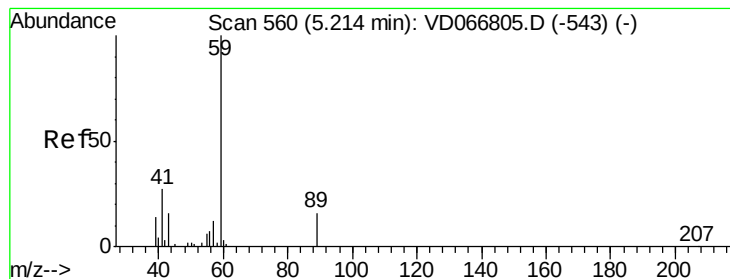
Delta R.T. 0.01 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Tgt Ion:	142	Resp:	204850
Ion Ratio	Lower	Upper	
142	100		
127	46.9	39.4	59.0
141	14.5	12.1	18.1





#11

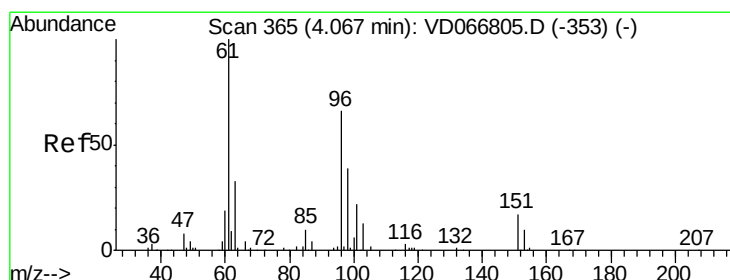
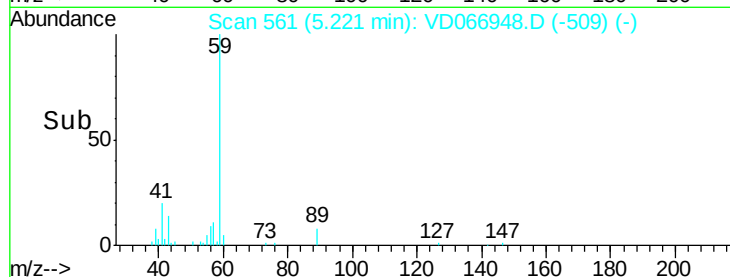
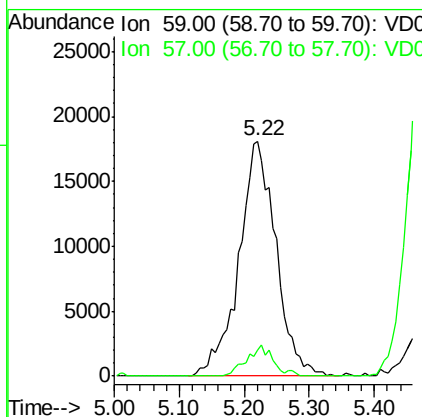
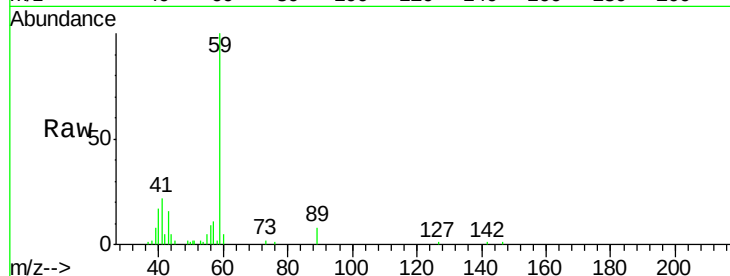
Tert butyl alcohol
 Concen: 316.985 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	71335
Ion Ratio	100	Lower	Upper
57	8.9	8.3	12.5

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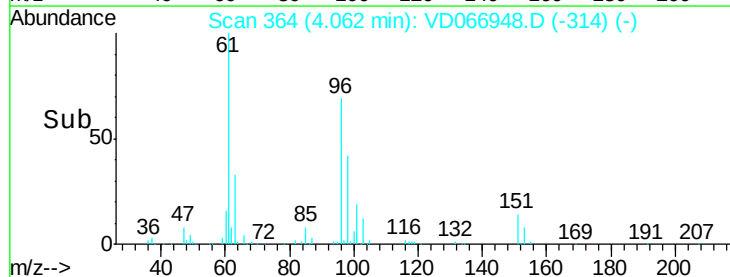
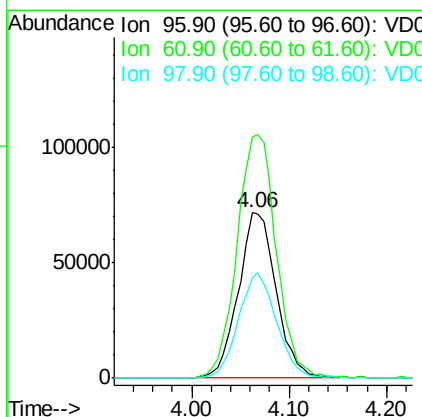
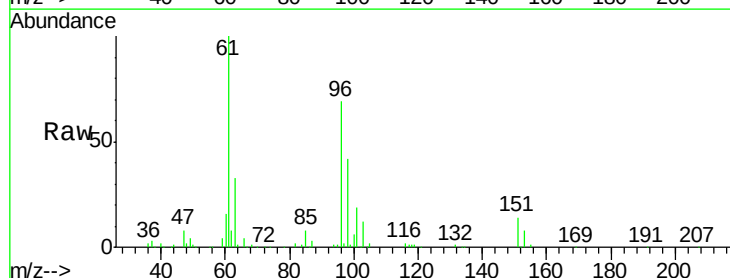
MMDadoda
 9/30/2020 1:21:59 PM

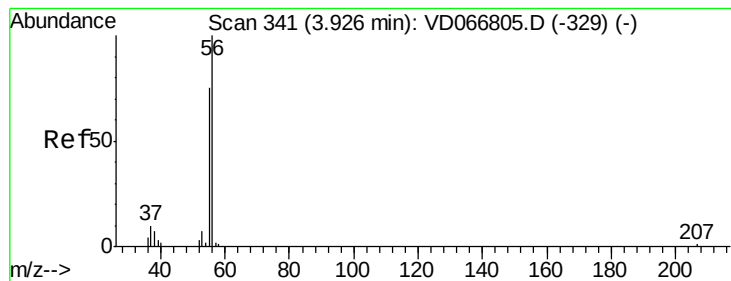


#12

1,1-Dichloroethene
 Concen: 50.027 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion	96	Resp	194301
Ion Ratio	100	Lower	Upper
61	145.8	120.8	181.2
98	60.9	47.7	71.5





#13

Acrolein

Concen: 253.110 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 72485

Ion Ratio Lower Upper

56 100

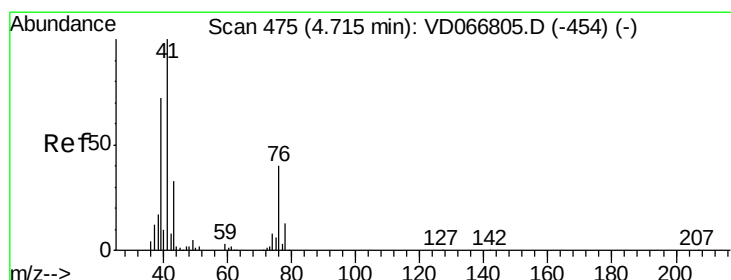
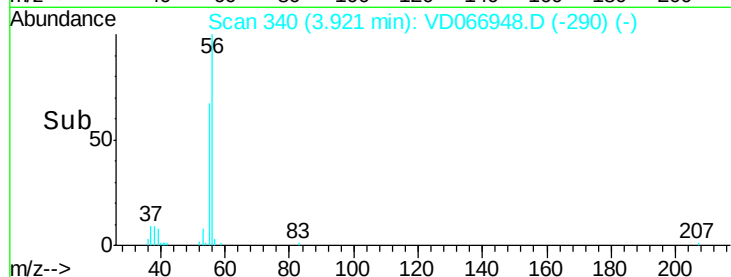
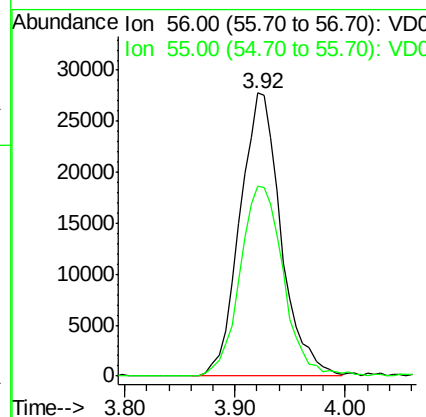
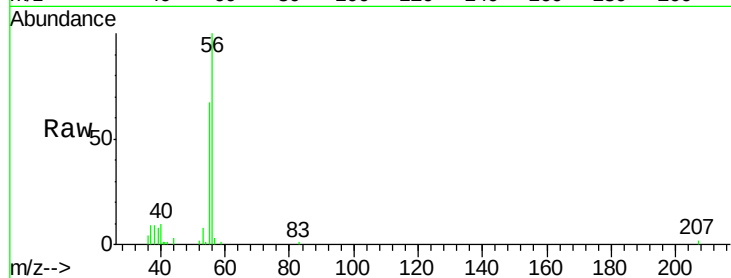
55 70.7 60.3 90.5

Manual Integrations

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#14

Allyl chloride

Concen: 51.297 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

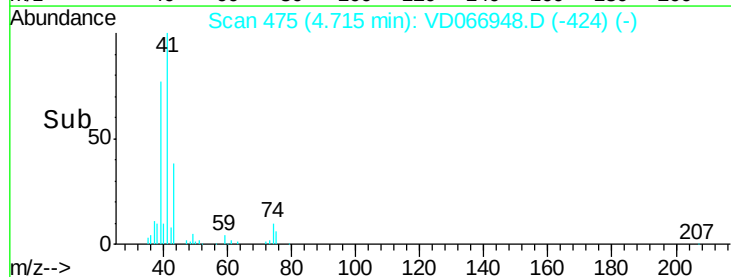
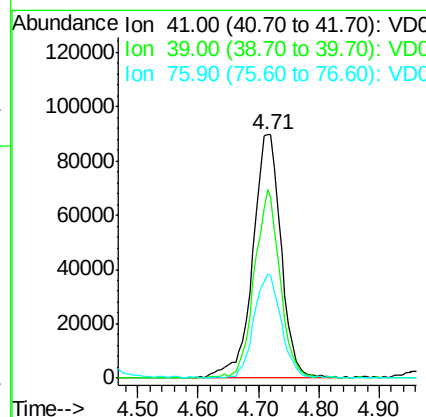
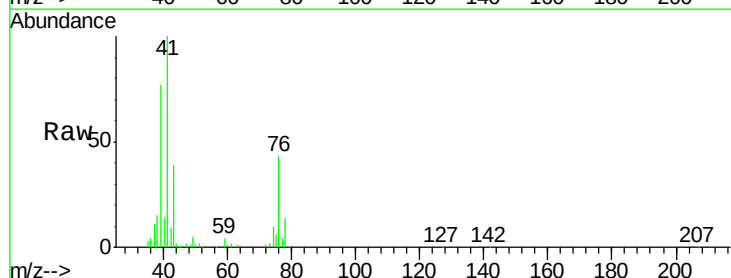
Tgt Ion: 41 Resp: 292556

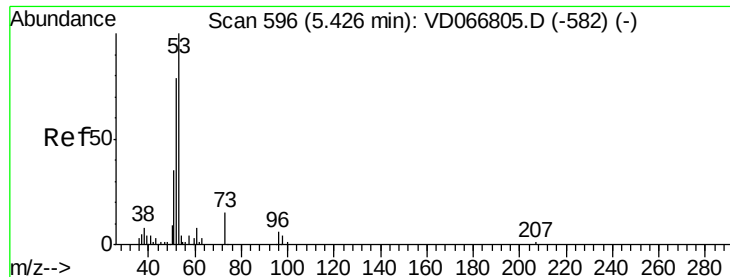
Ion Ratio Lower Upper

41 100

39 69.8 57.8 86.8

76 40.6 30.9 46.3





#15

Acrylonitrile

Concen: 282.484 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

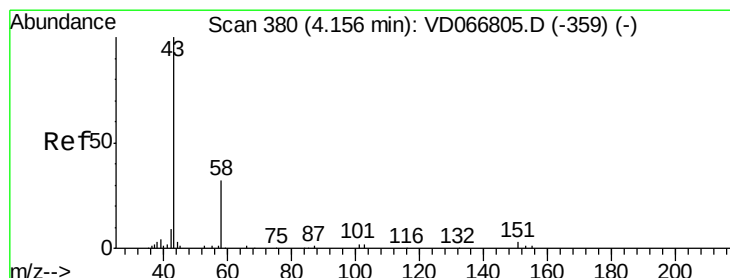
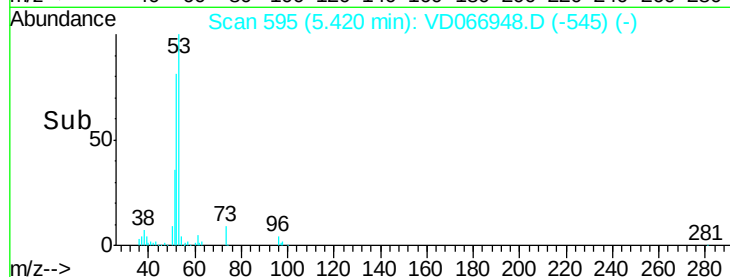
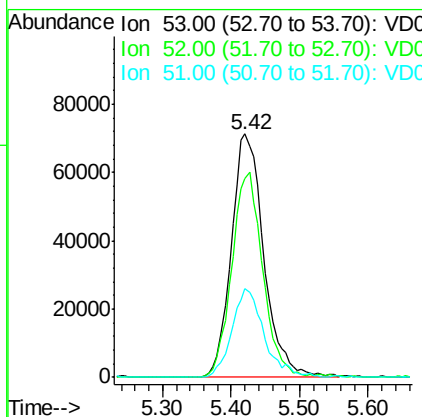
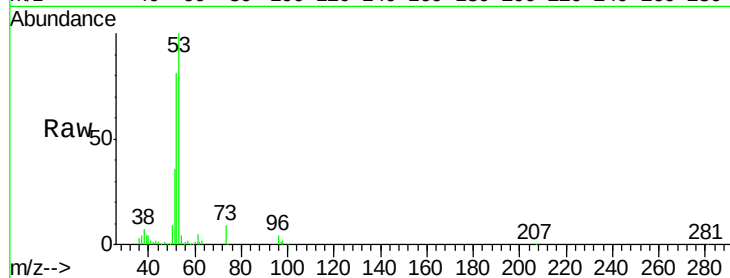
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	234987
Ion Ratio		Lower	Upper
53	100		
52	79.9	65.2	97.8
51	36.2	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 215.218 ug/l

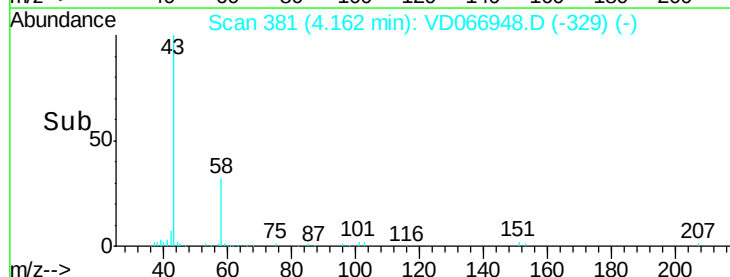
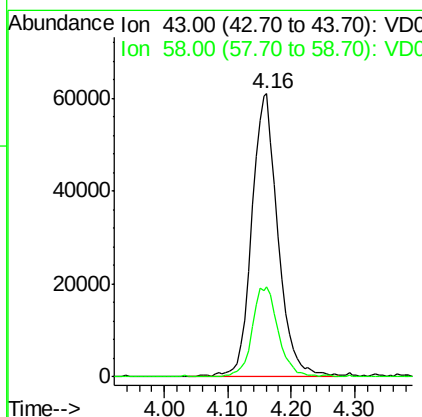
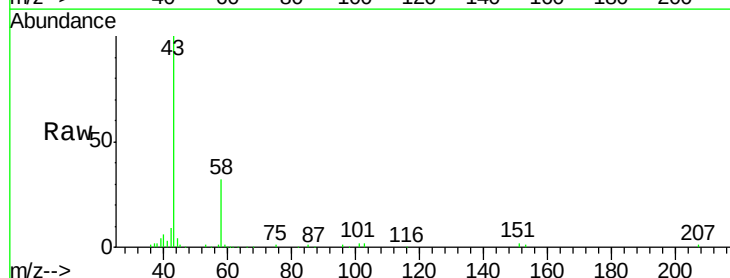
RT: 4.16 min Scan# 381

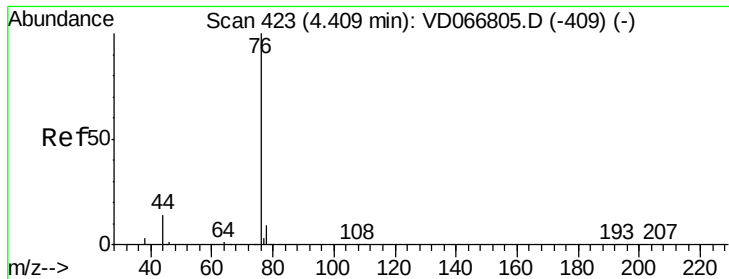
Delta R.T. 0.01 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Tgt Ion:	43	Resp:	177236
Ion Ratio		Lower	Upper
43	100		
58	32.0	25.6	38.4





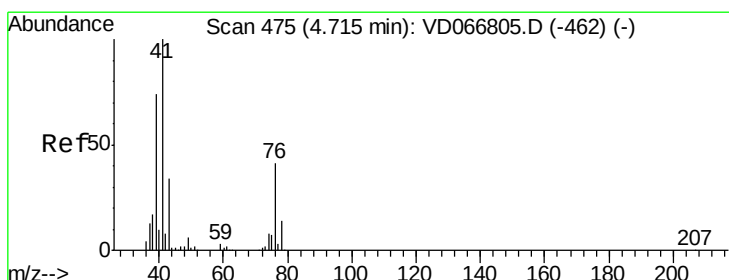
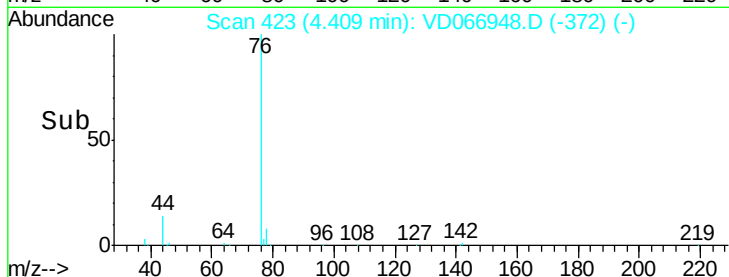
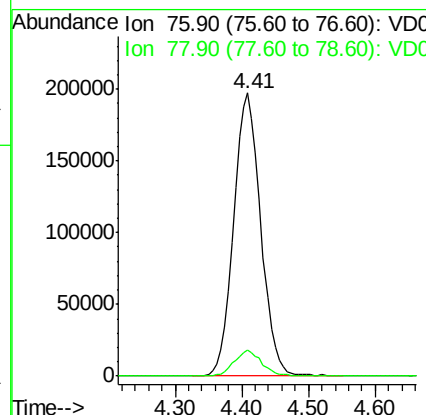
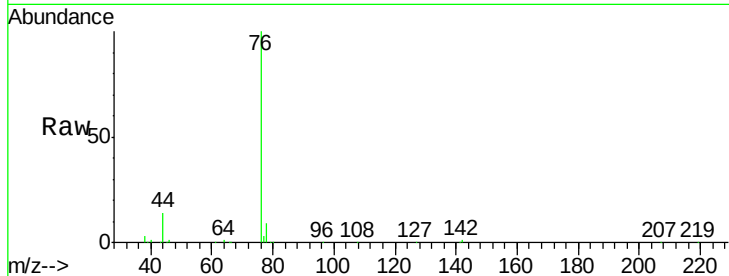
#17
Carbon Disulfide
Concen: 47.017 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.6	11.4

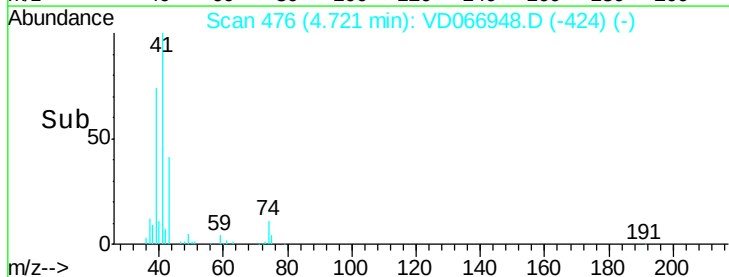
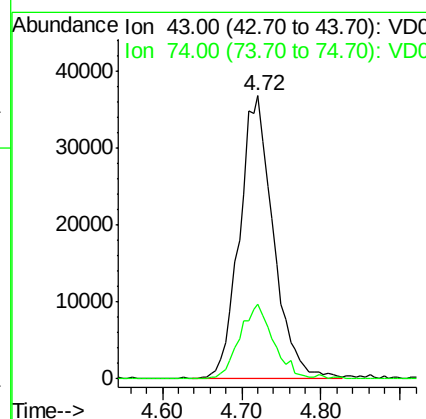
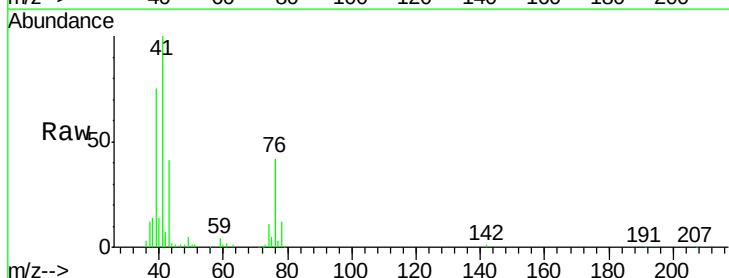
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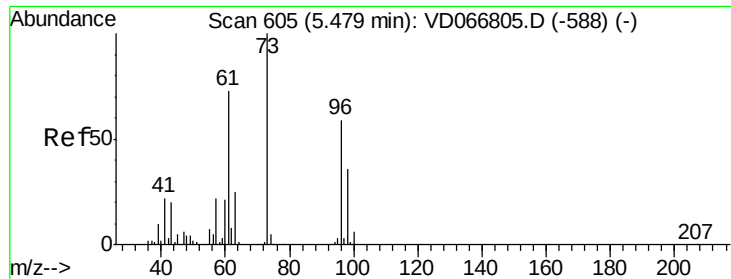
MMDadoda
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#18
Methyl Acetate
Concen: 60.199 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	20.3	30.5





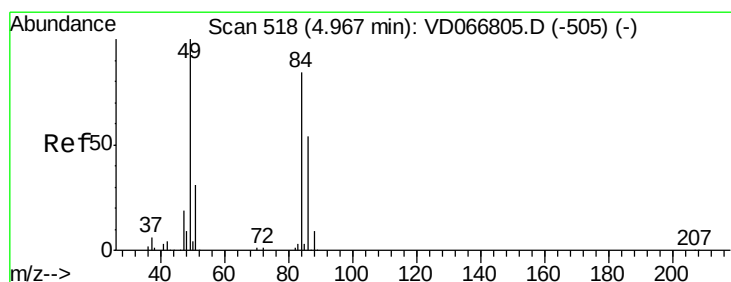
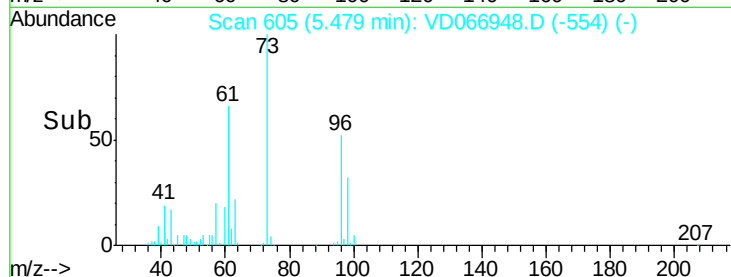
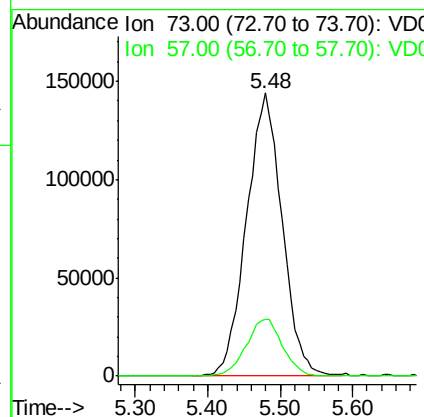
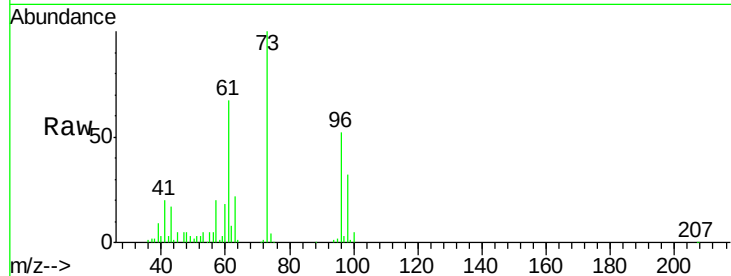
#19
Methyl tert-butyl Ether
Concen: 58.179 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 490713
Ion Ratio Lower Upper
73 100
57 20.0 17.4 26.2

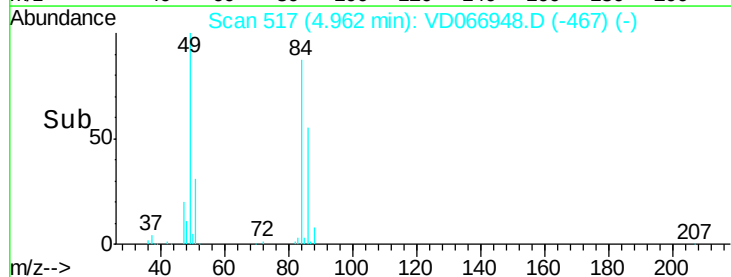
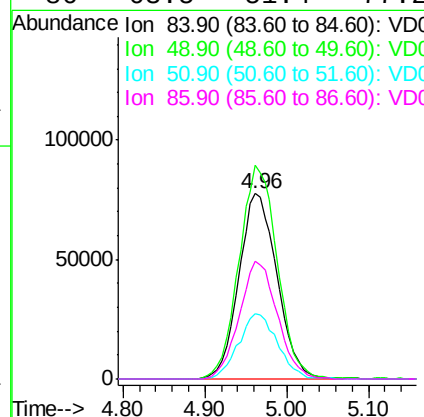
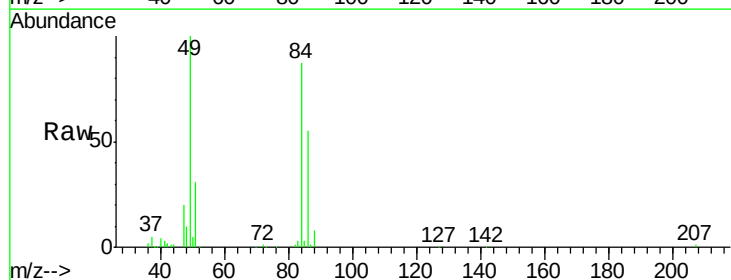
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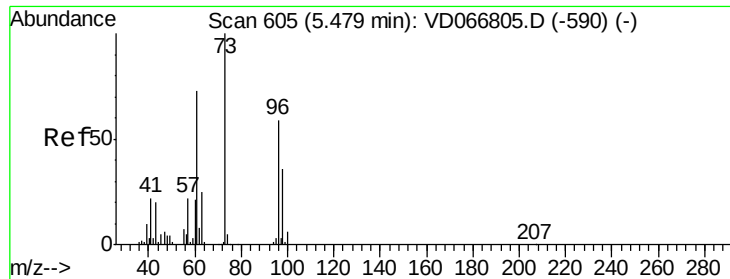
MMDadoda
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#20
Methylene Chloride
Concen: 57.756 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion: 84 Resp: 252683
Ion Ratio Lower Upper
84 100
49 115.2 95.4 143.2
51 35.4 29.7 44.5
86 63.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 53.256 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

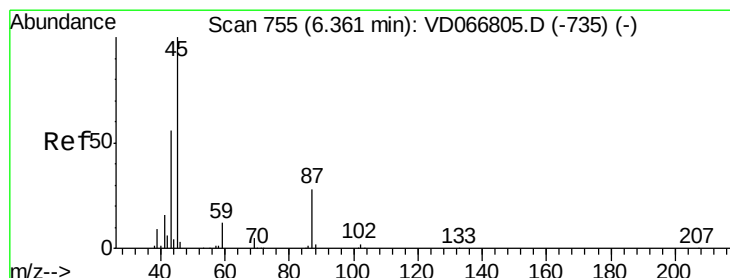
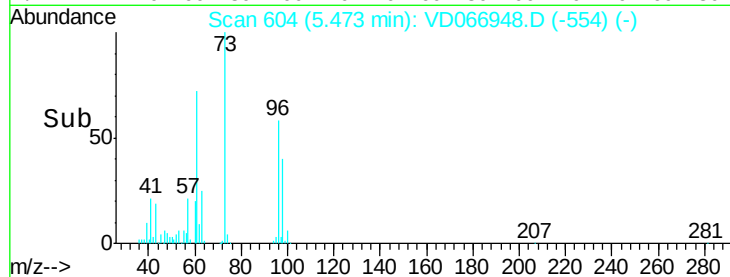
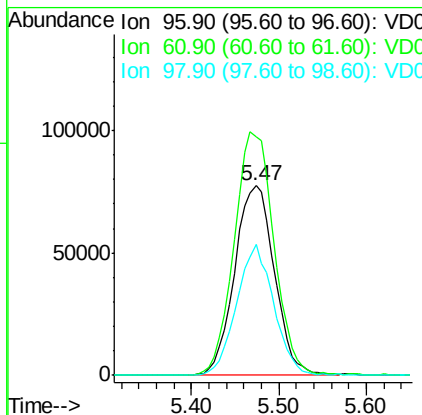
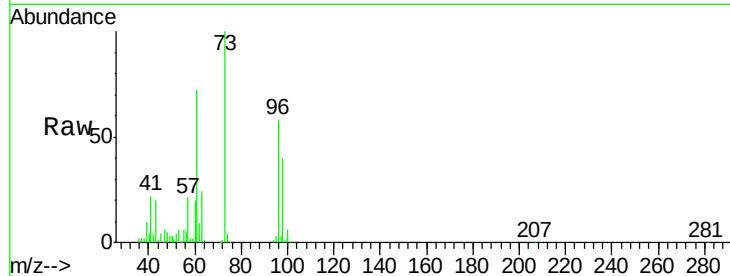
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	239501
Ion	Ratio	Lower	Upper
96	100		
61	125.4	98.9	148.3
98	69.1	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.747 ug/l

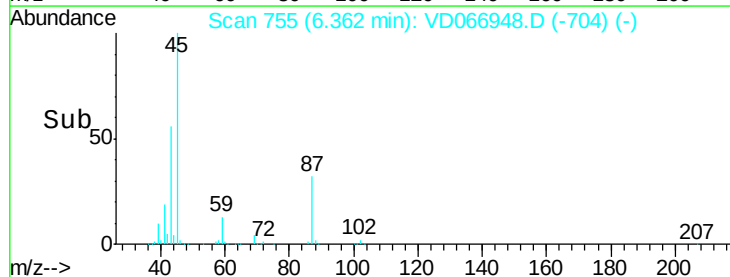
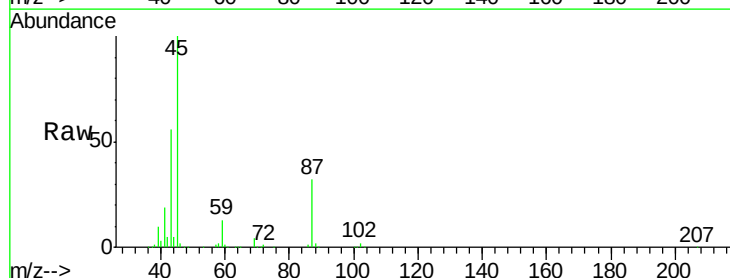
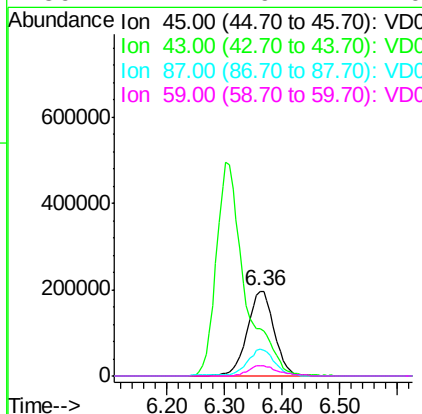
RT: 6.36 min Scan# 755

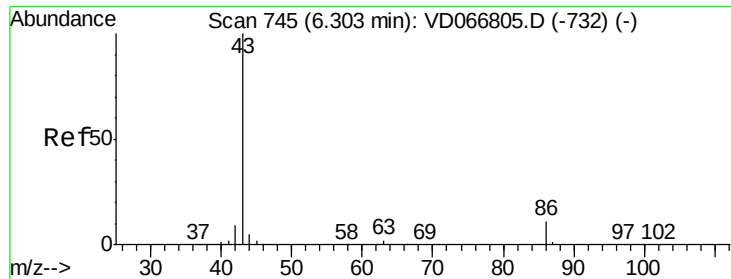
Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Tgt Ion:	45	Resp:	641981
Ion	Ratio	Lower	Upper
45	100		
43	55.7	44.5	66.7
87	31.5	22.9	34.3
59	12.7	9.4	14.0





#23

Vinyl Acetate

Concen: 266.833 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1699956

Ion Ratio Lower Upper

43 100

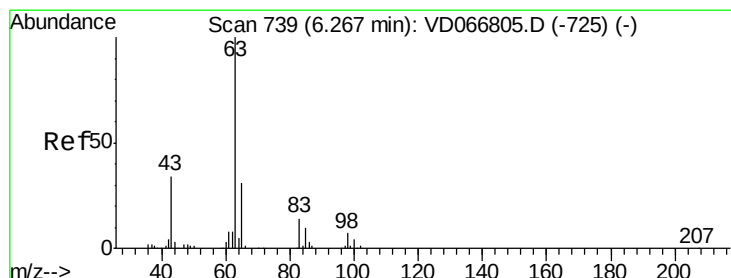
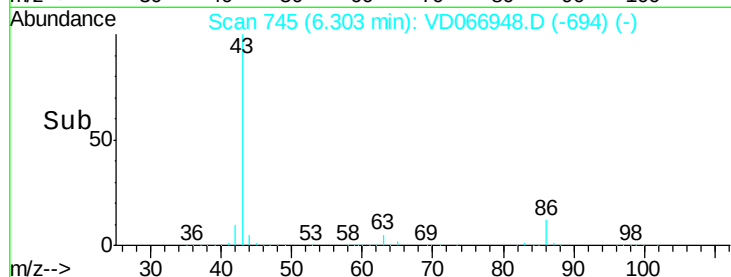
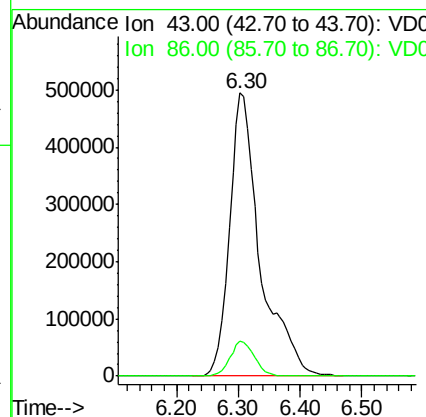
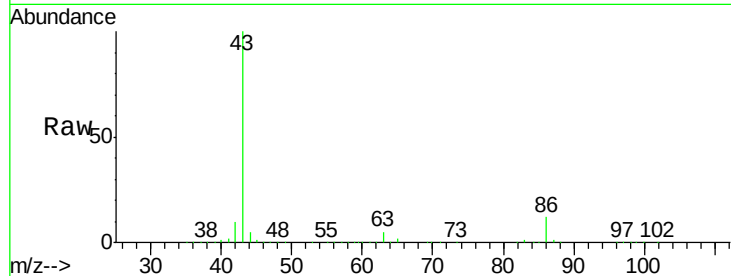
86 12.3 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.977 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

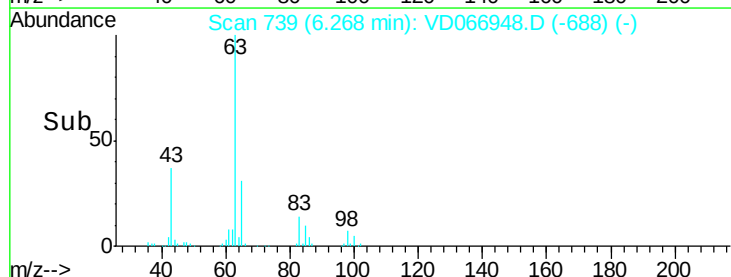
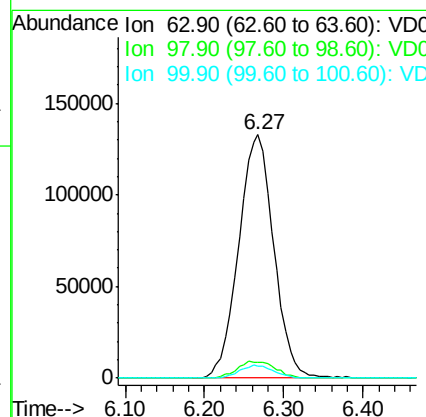
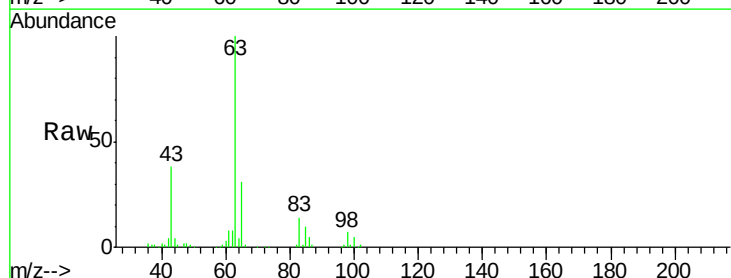
Tgt Ion: 63 Resp: 407746

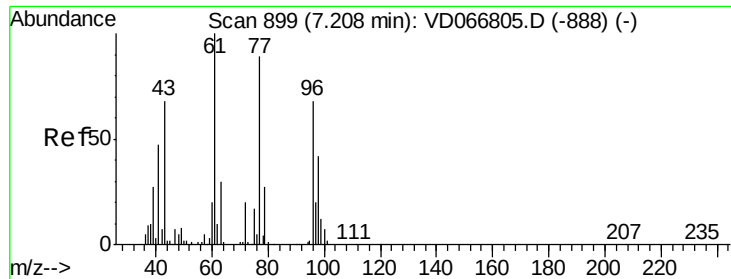
Ion Ratio Lower Upper

63 100

98 6.6 3.7 11.1

100 4.8 1.8 5.5





#25

2-Butanone

Concen: 275.672 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 272818

Ion Ratio Lower Upper

43 100

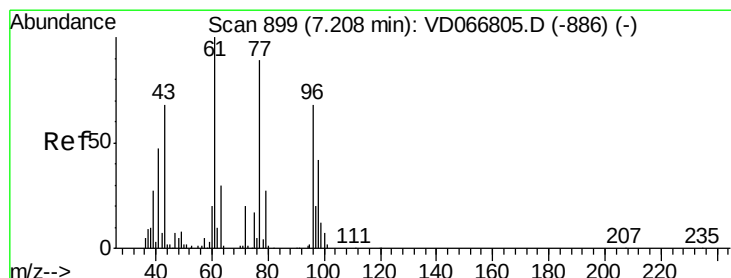
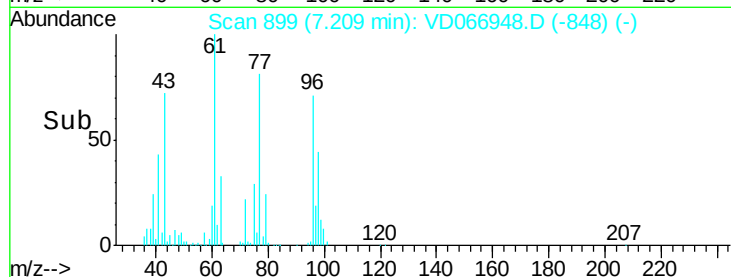
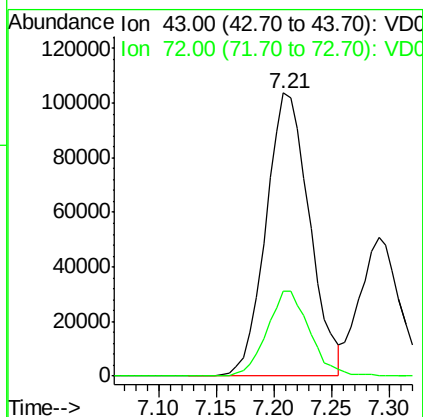
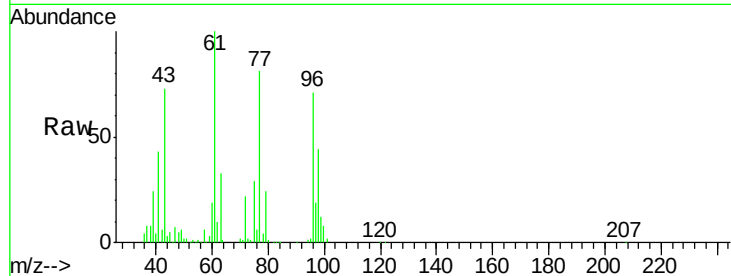
72 29.9 22.9 34.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.486 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066948.D

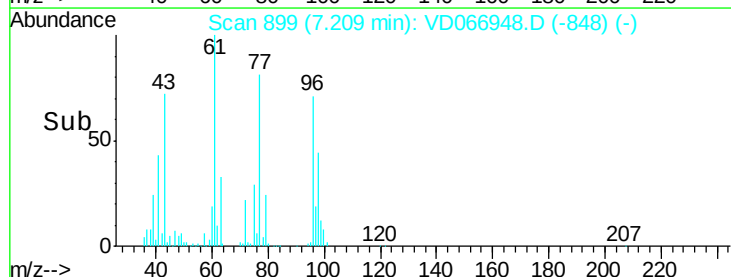
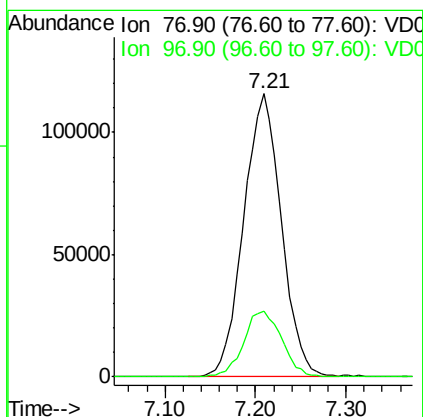
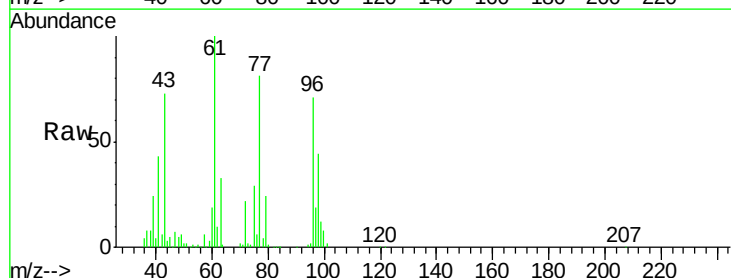
Acq: 29 Sep 2020 19:31

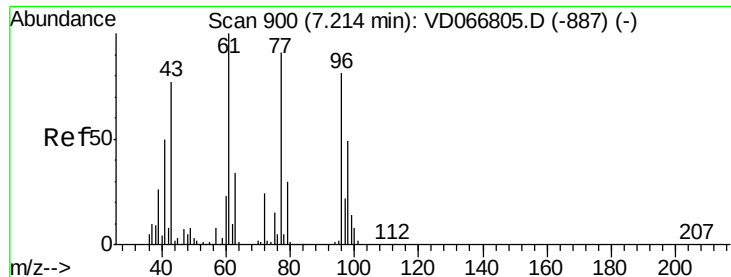
Tgt Ion: 77 Resp: 334237

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.1





#27

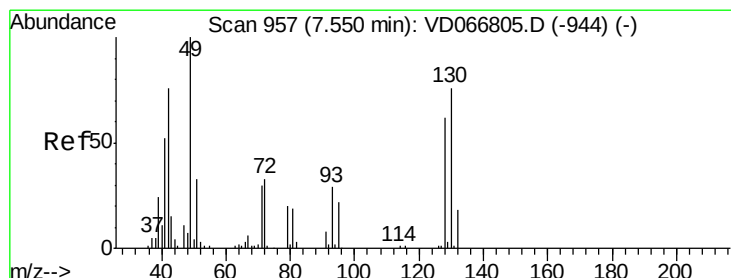
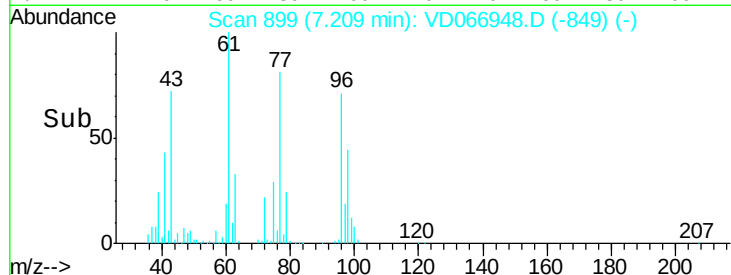
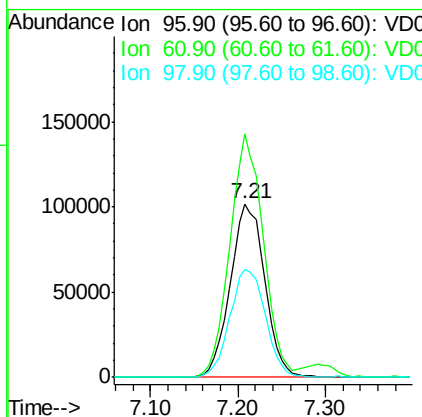
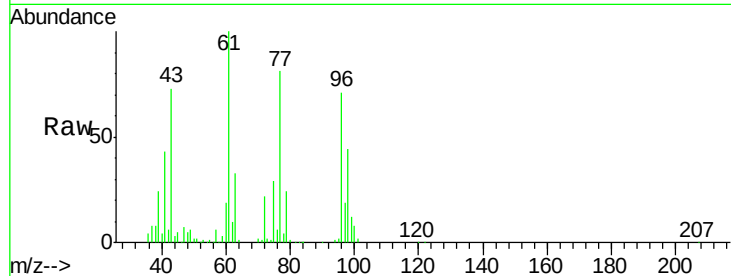
cis-1,2-Dichloroethene
 Concen: 55.922 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	273249		
61	135.9	0.0	283.8	
98	64.0	0.0	128.4	

Manual Integrations
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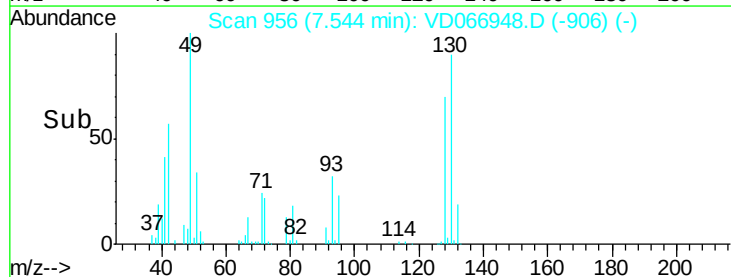
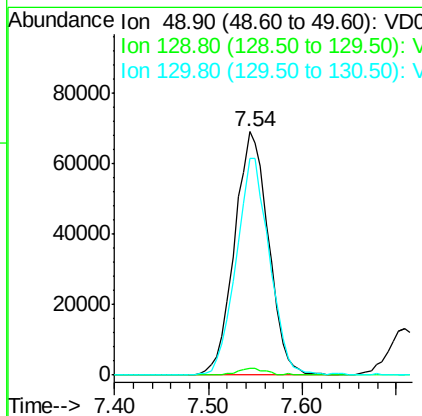
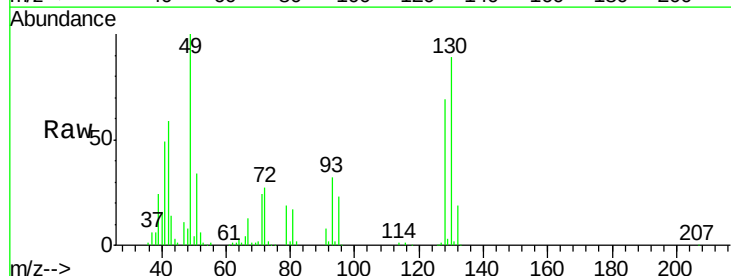
MMDadoda
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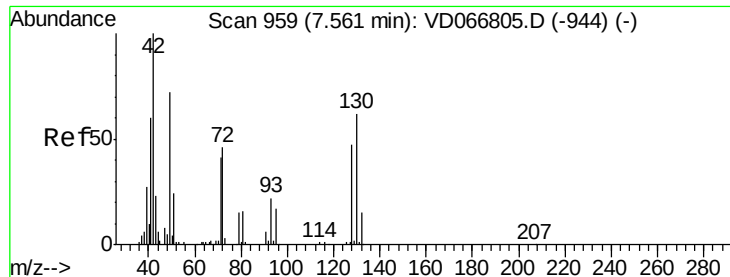


#28

Bromochloromethane
 Concen: 53.565 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	173596		
129	2.4	0.0	2.0#	
130	87.4	65.9	98.9	





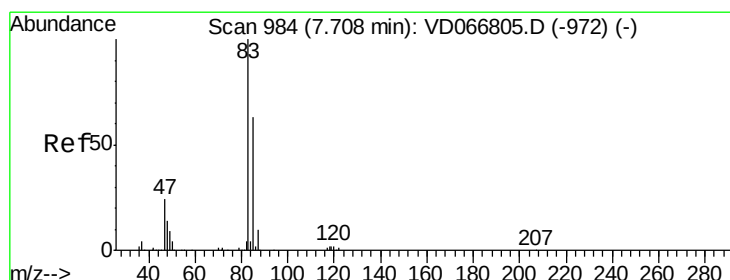
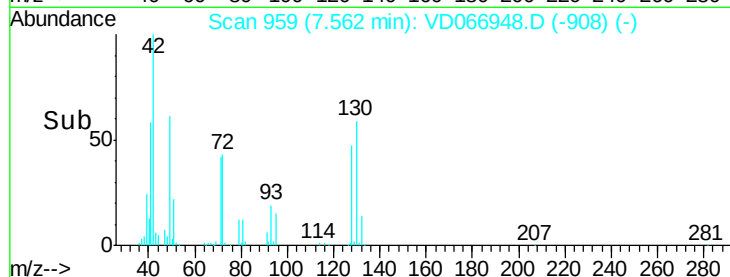
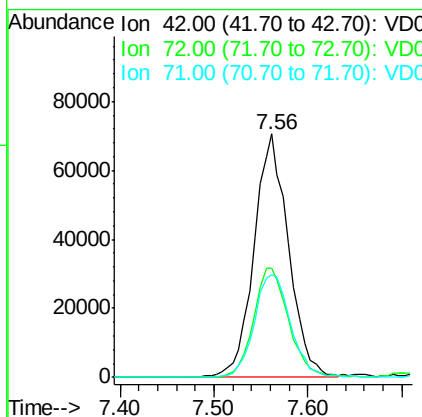
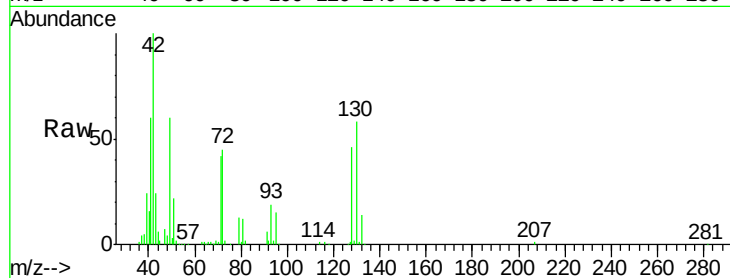
#29
Tetrahydrofuran
Concen: 281.776 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.2	54.4
71	44.2	32.4	48.6

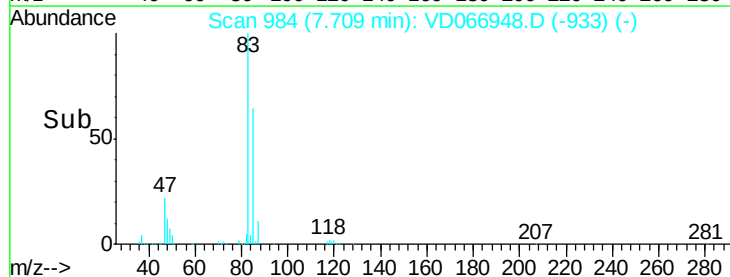
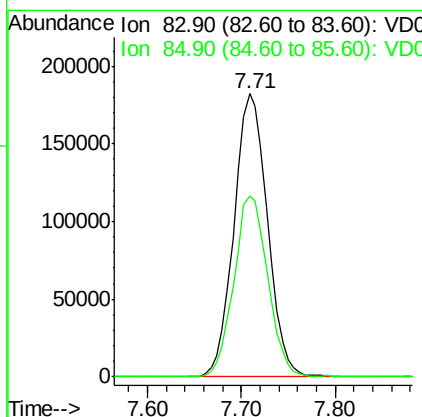
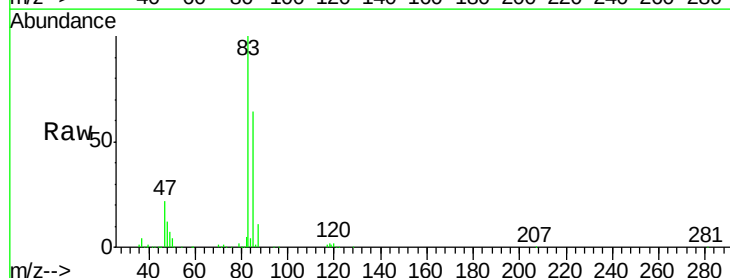
Manual Integrations
APPROVED

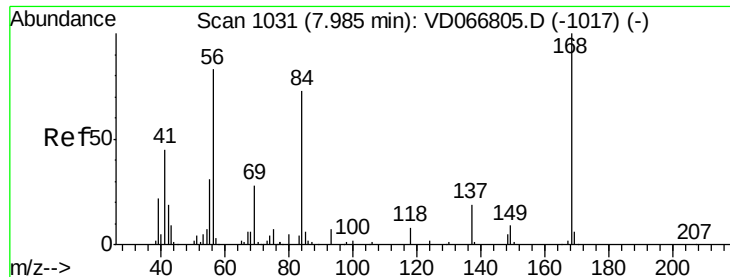
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#30
Chloroform
Concen: 53.203 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.6	75.8





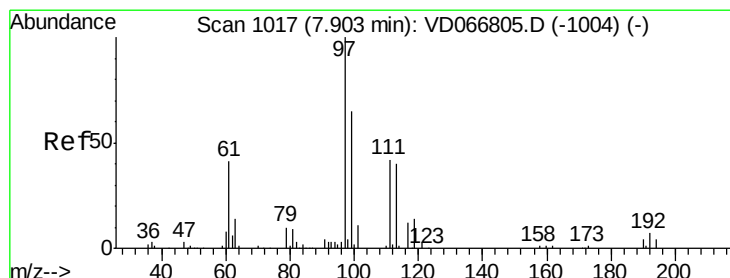
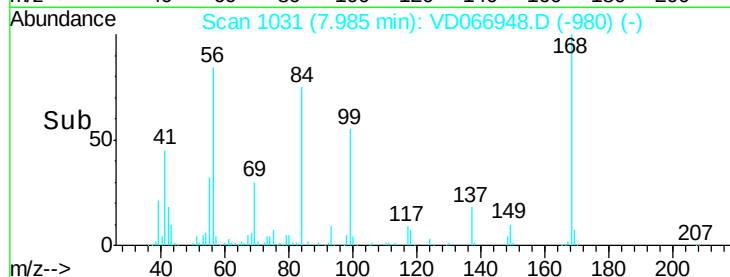
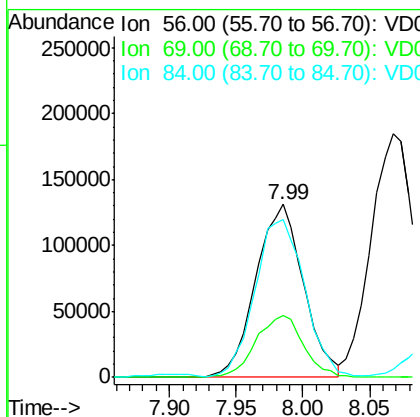
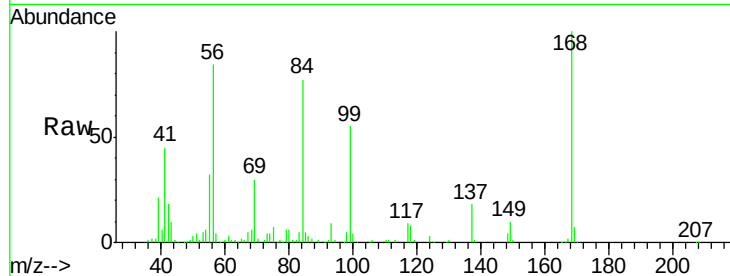
#31
Cyclohexane
Concen: 46.072 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	27.0	40.4
84	90.0	70.2	105.4

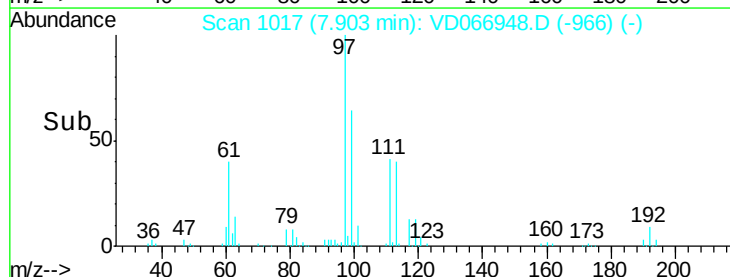
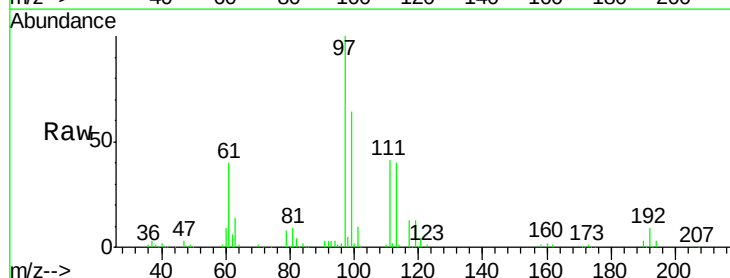
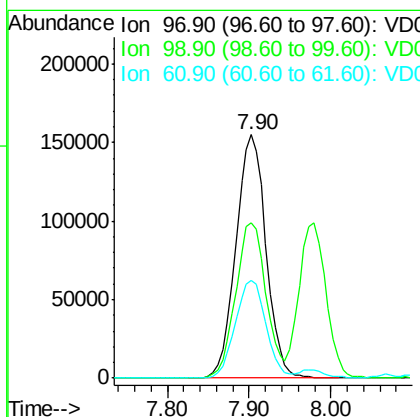
Manual Integrations
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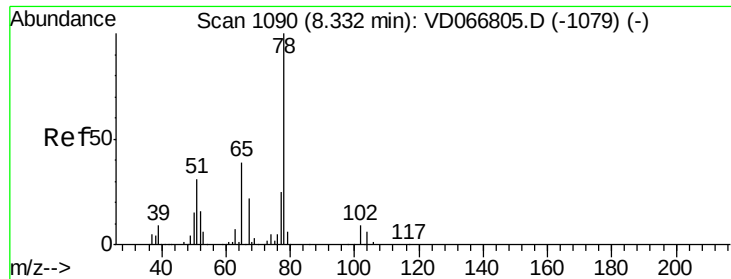
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#32
1,1,1-Trichloroethane
Concen: 51.831 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	41.2	34.2	51.4





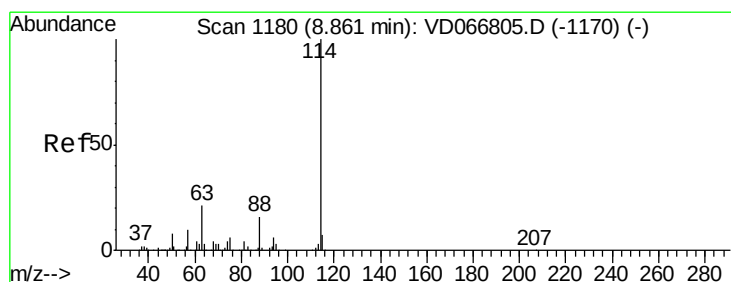
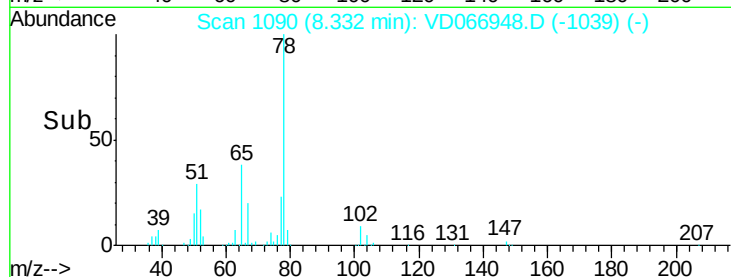
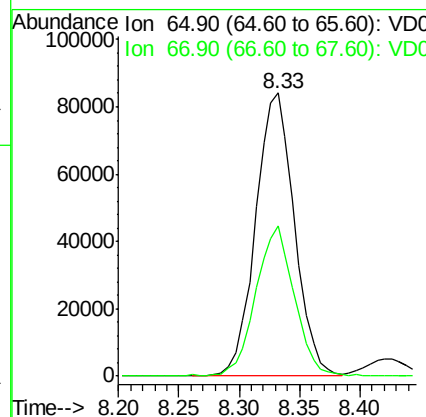
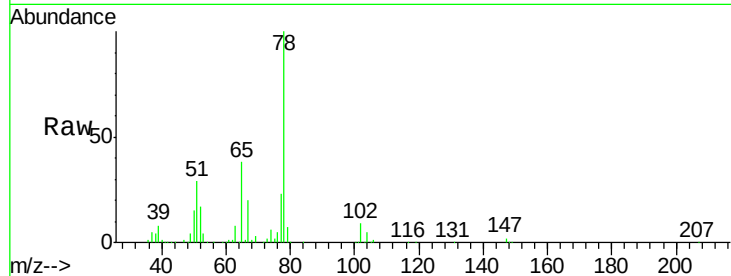
#33
 1,2-Dichloroethane-d4
 Concen: 48.423 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	187981		
67	52.8	0.0	107.2	

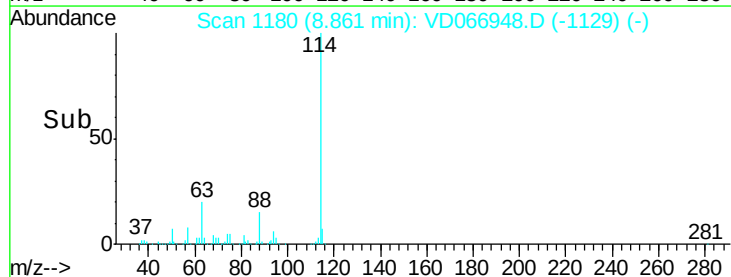
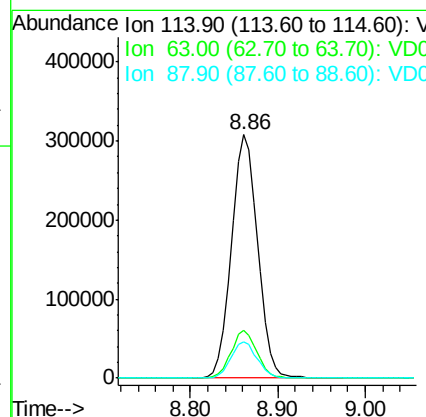
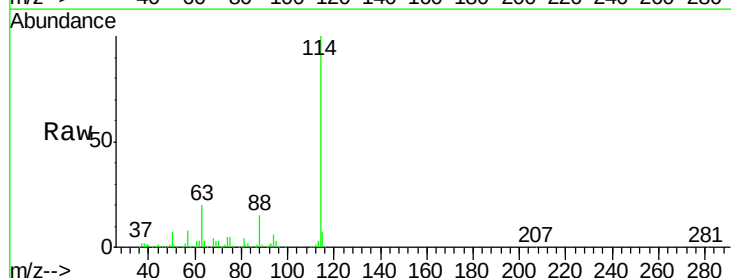
Manual Integrations
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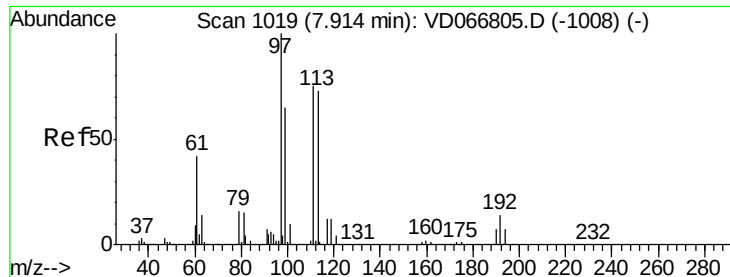
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	628772		
63	19.6	0.0	42.6	
88	15.0	0.0	32.6	





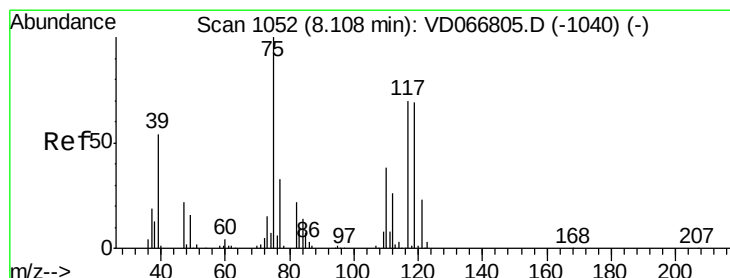
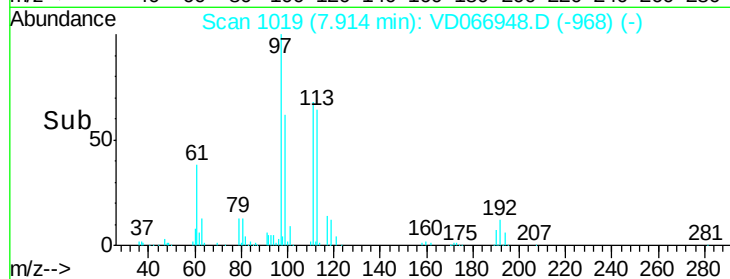
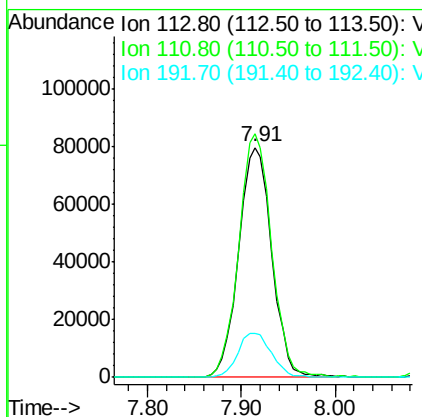
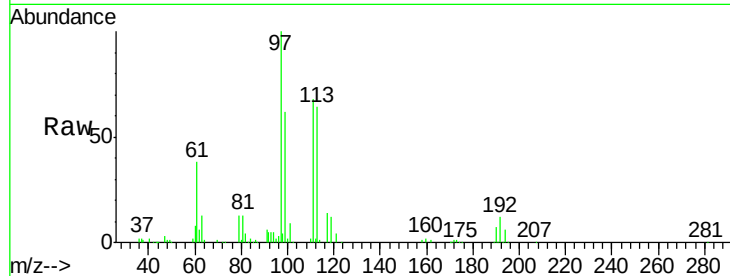
#35
 Dibromofluoromethane
 Concen: 48.621 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	194495		
111	104.7	81.8	122.8	
192	19.7	14.4	21.6	

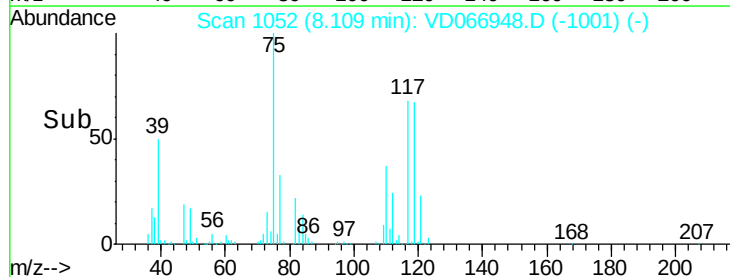
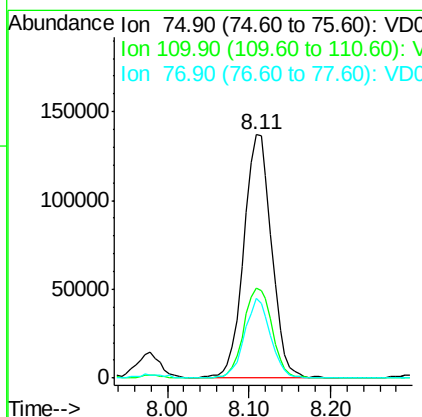
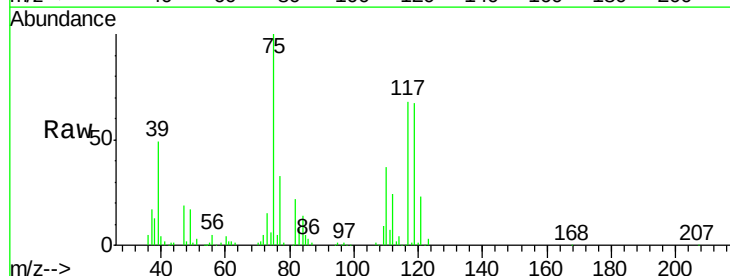
Manual Integrations
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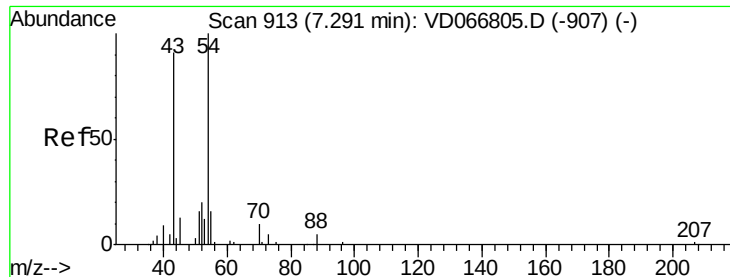
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#36
 1,1-Dichloropropene
 Concen: 51.921 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	323877		
110	37.5	17.9	53.8	
77	30.9	25.0	37.6	





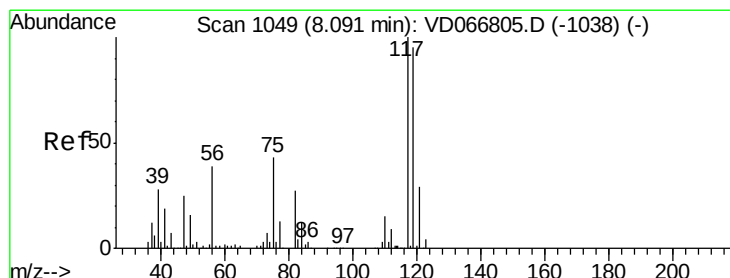
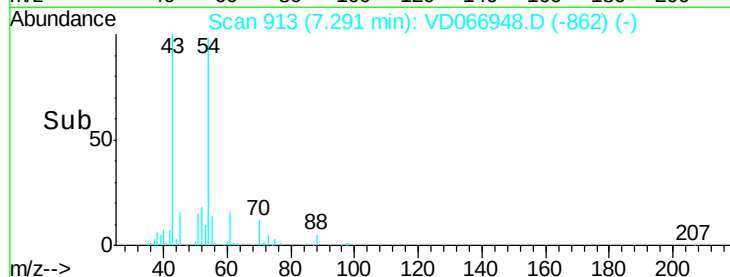
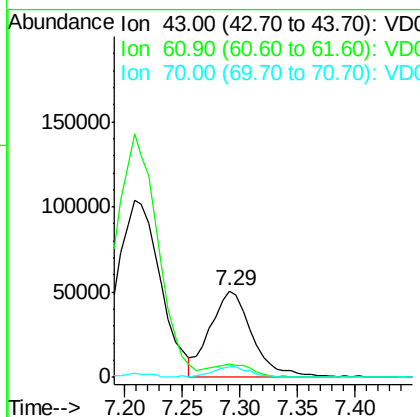
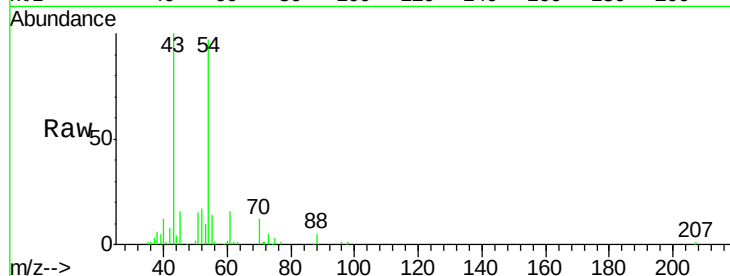
#37
Ethyl Acetate
Concen: 55.680 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	9.8	14.8
70	11.7	8.5	12.7

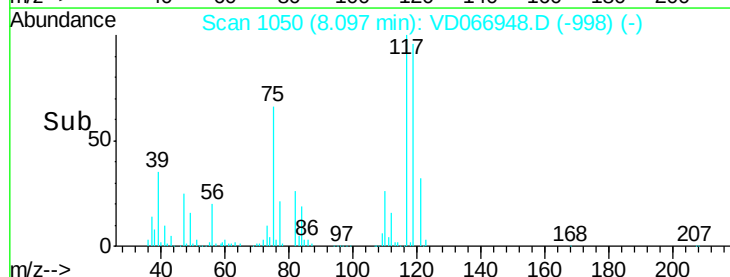
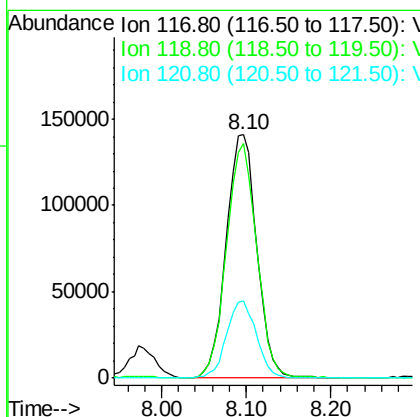
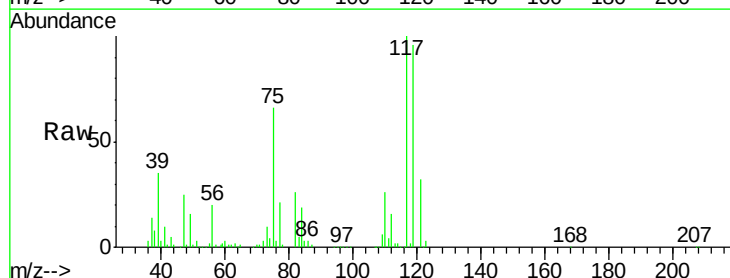
Manual Integrations
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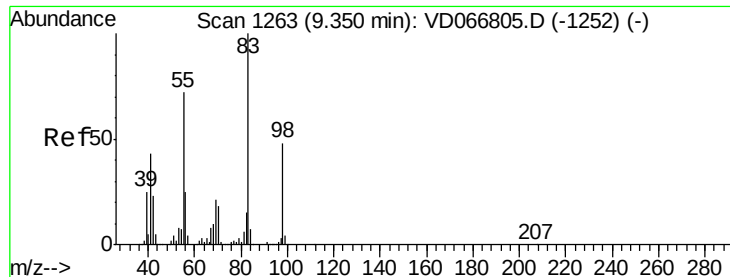
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#38
Carbon Tetrachloride
Concen: 51.679 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.8	113.8
121	31.7	23.4	35.0





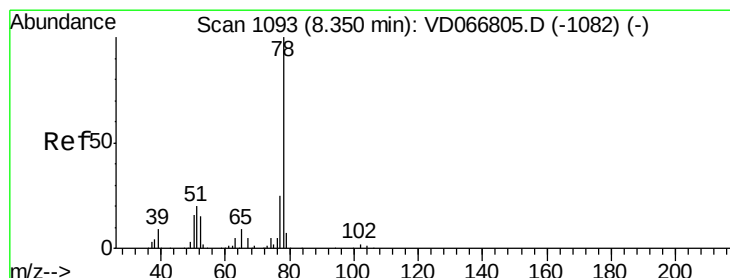
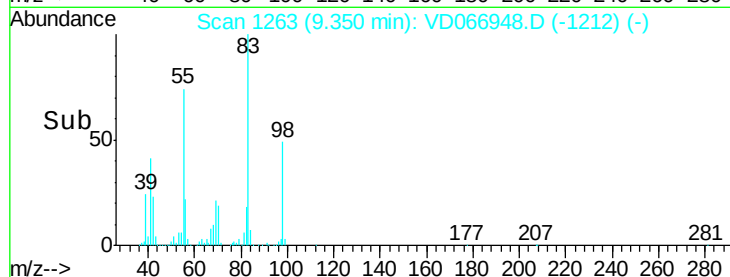
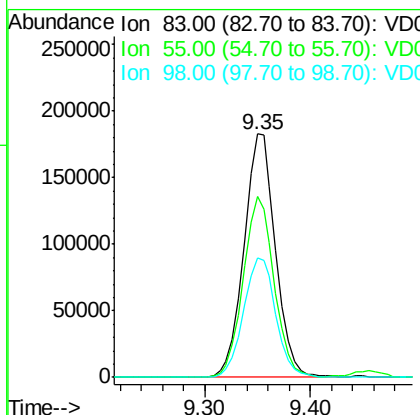
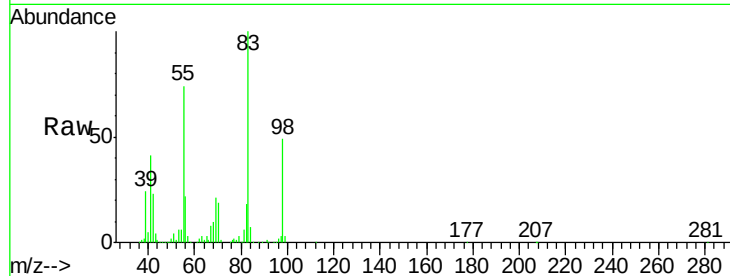
#39
Methylvlcyclohexane
Concen: 52.906 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	57.7	86.5
98	49.2	38.4	57.6

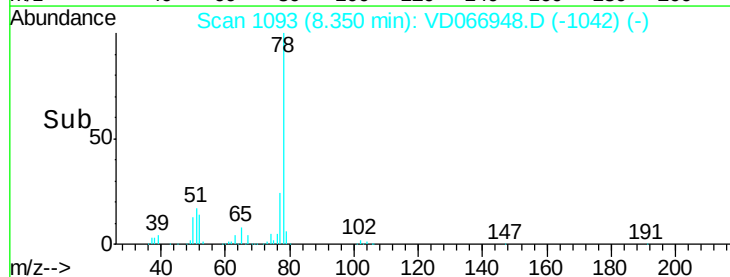
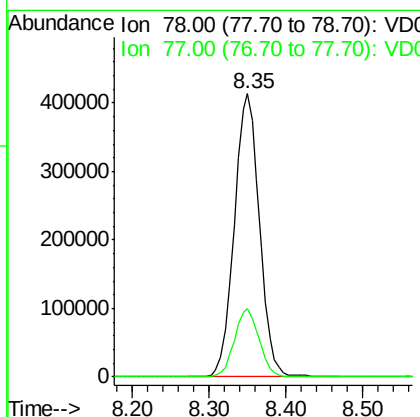
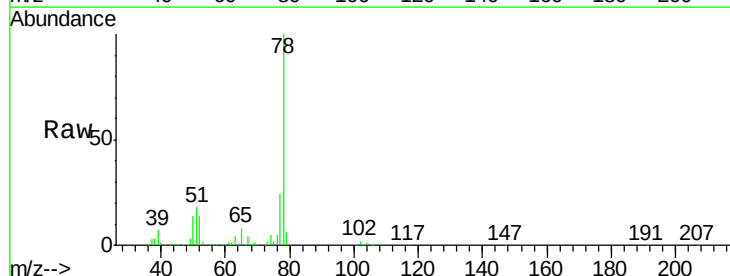
Manual Integrations
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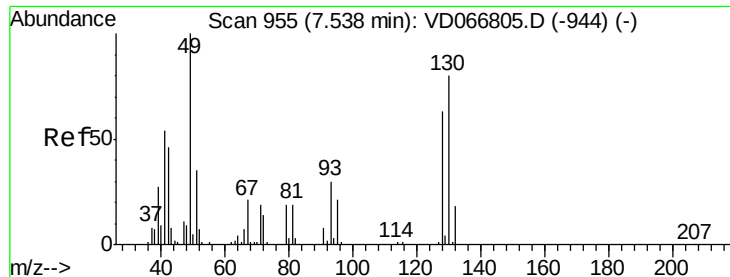
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#40
Benzene
Concen: 54.334 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.9	29.9





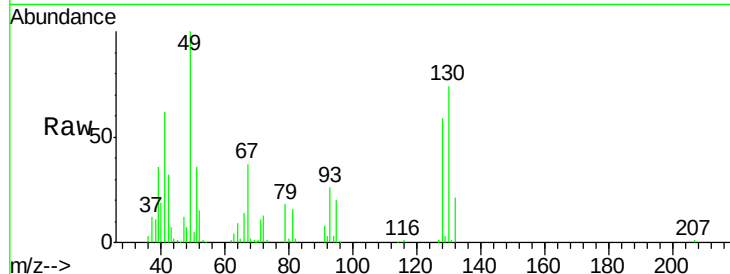
#41
Methacrylonitrile
Concen: 47.762 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

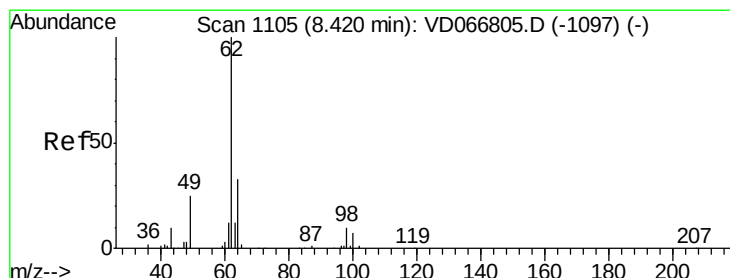
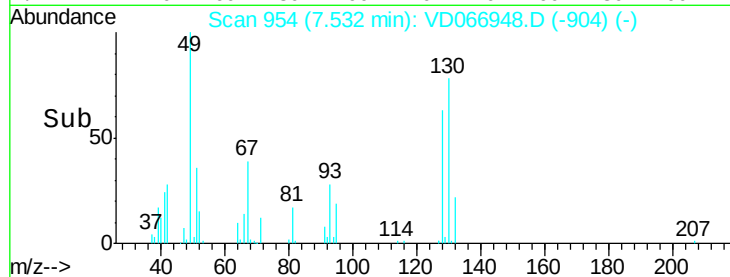
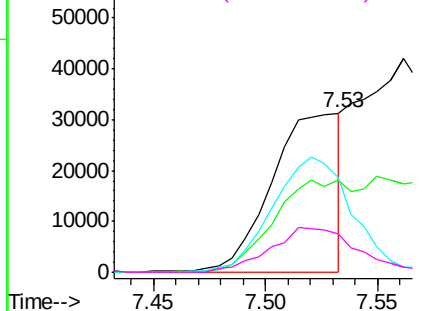
Tot Ion	41	Resp	66236
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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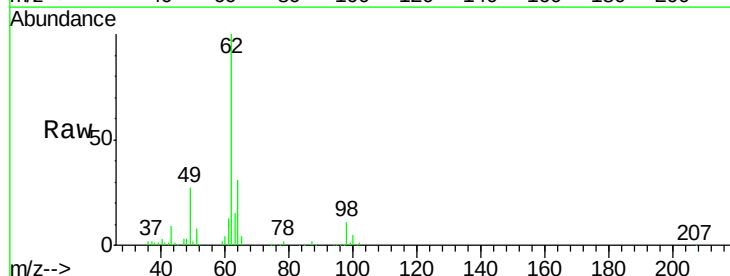


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

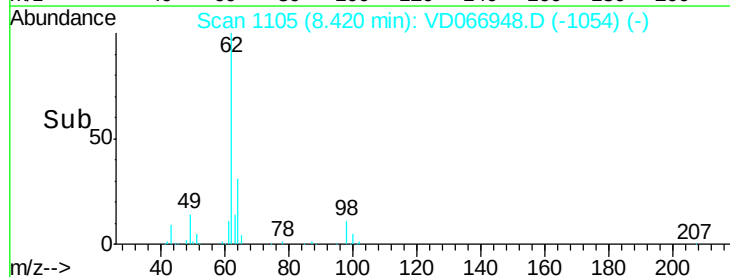
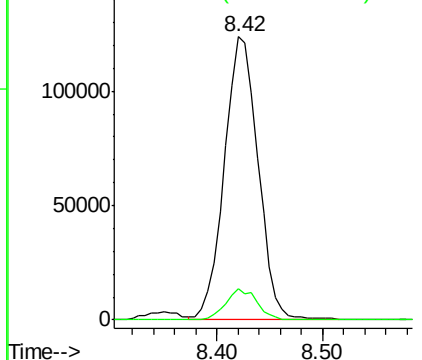


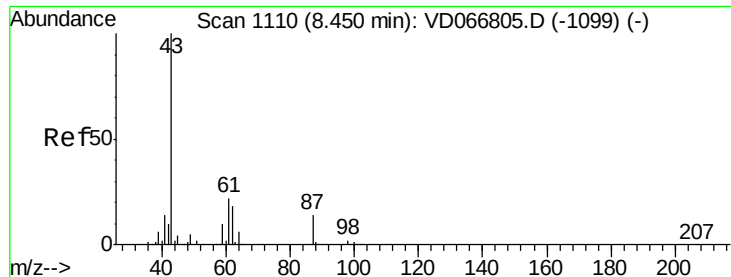
#42
1,2-Dichloroethane
Concen: 53.117 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion	62	Resp	272990
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





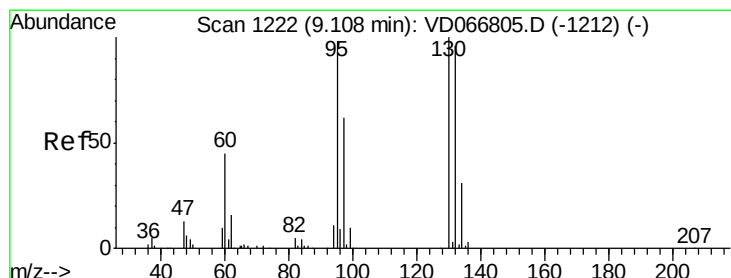
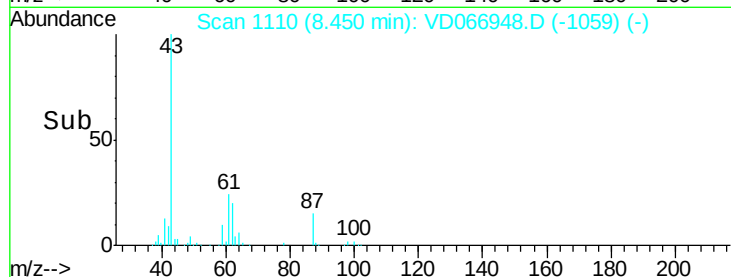
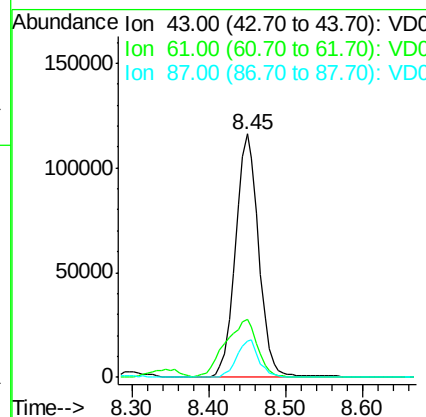
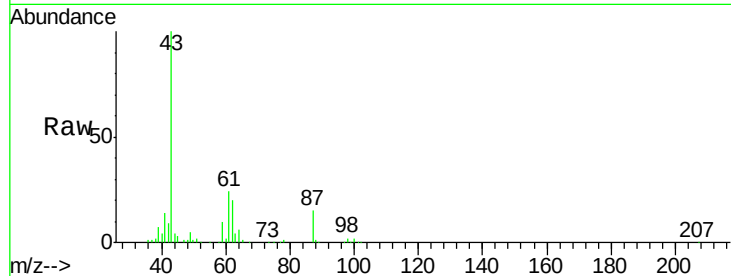
#43
Isopropyl Acetate
Concen: 56.423 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.0	26.2	39.4
87	14.5	11.5	17.3

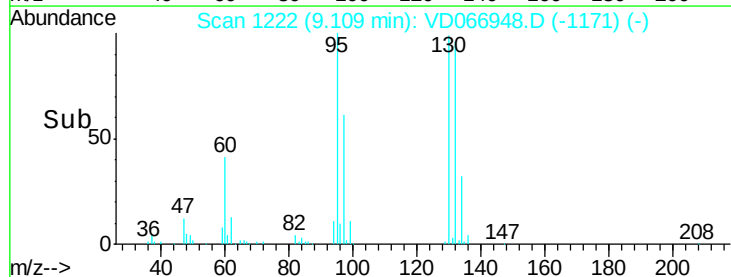
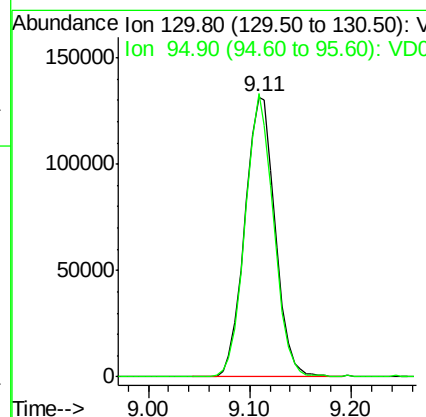
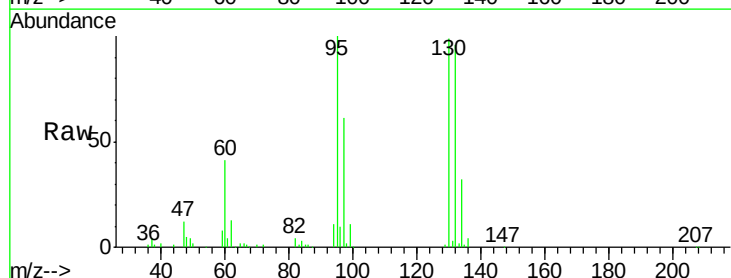
Manual Integrations
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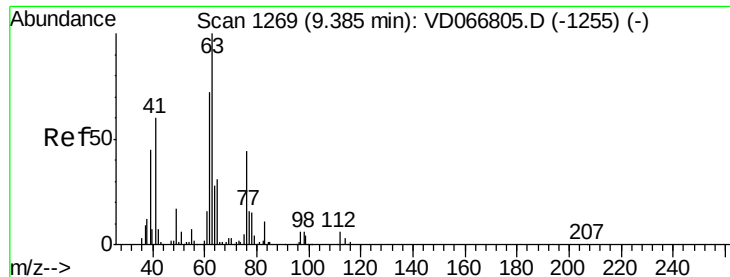
MMDadoda
9/30/2020 1:21:59 PM



#44
Trichloroethene
Concen: 54.905 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	197.0





#45

1,2-Dichloropropane

Concen: 53.819 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 235407

Ion Ratio Lower Upper

63 100

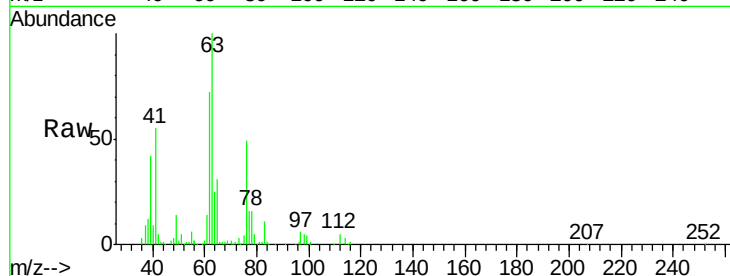
65 31.5 24.7 37.1

Manual Integrations

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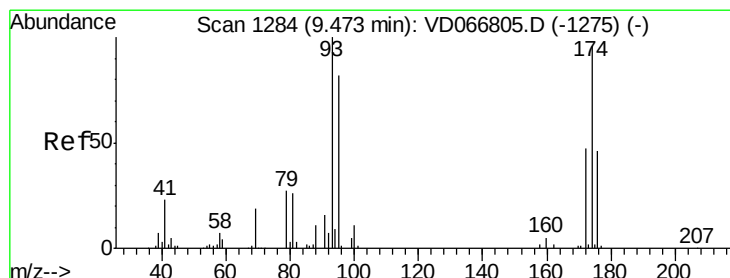
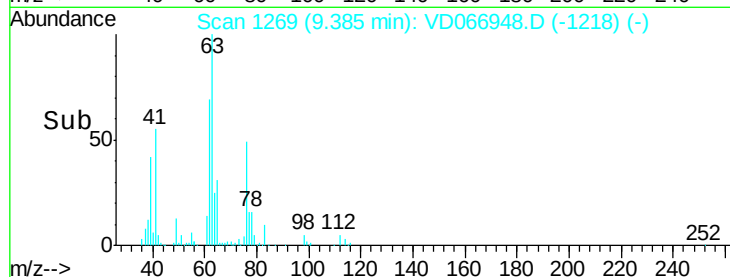
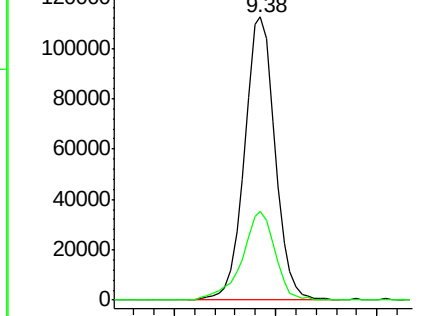
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 56.584 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

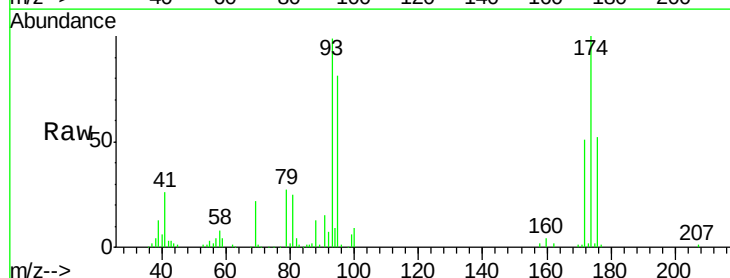
Tgt Ion: 93 Resp: 134475

Ion Ratio Lower Upper

93 100

95 81.3 65.3 97.9

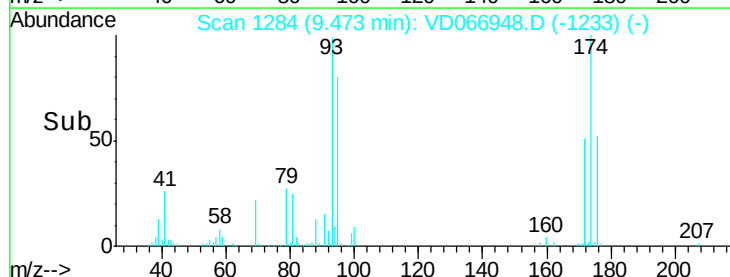
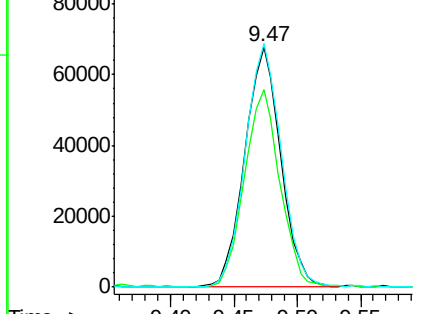
174 101.4 75.4 113.2

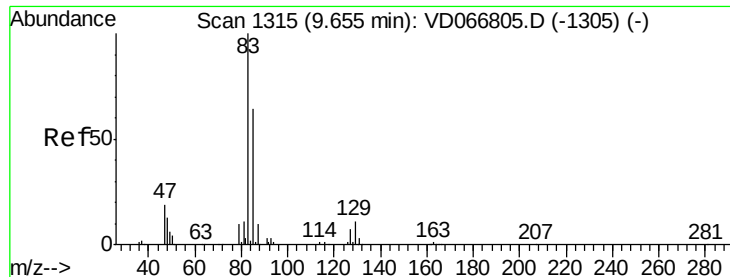


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.155 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

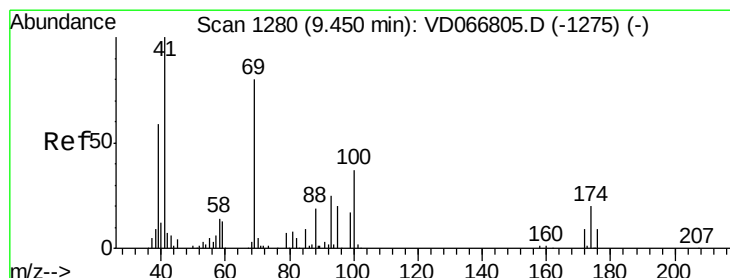
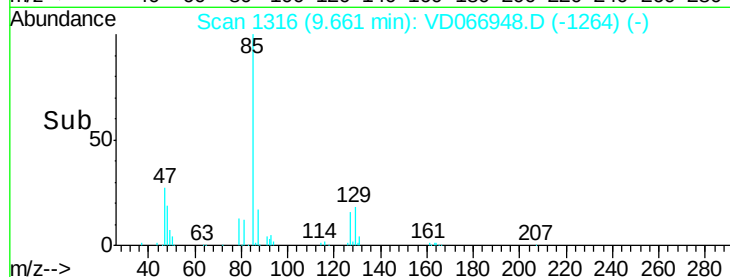
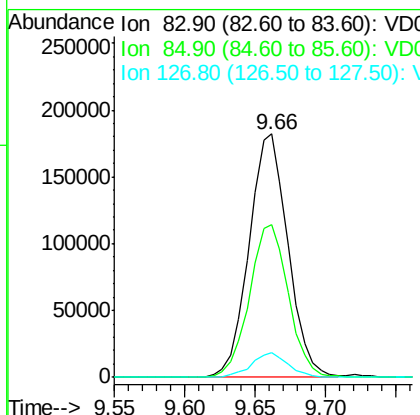
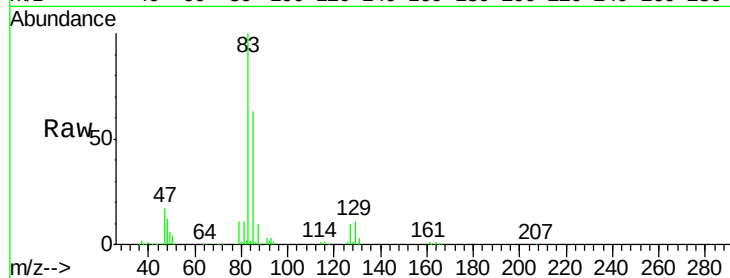
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	352121
Ion Ratio	Lower	Upper	
83	100		
85	62.7	50.9	76.3
127	10.2	5.9	8.9#

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#48

Methyl methacrylate

Concen: 59.993 ug/l

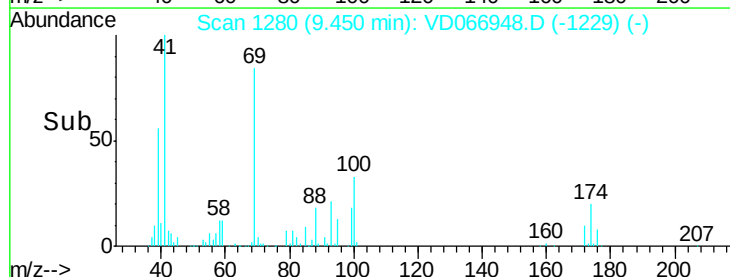
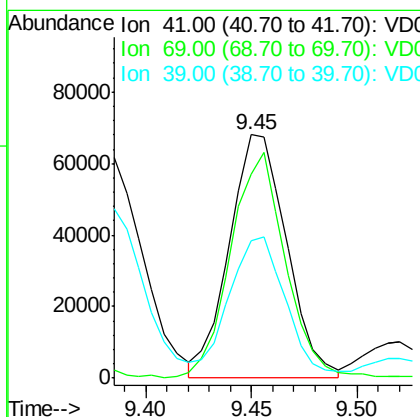
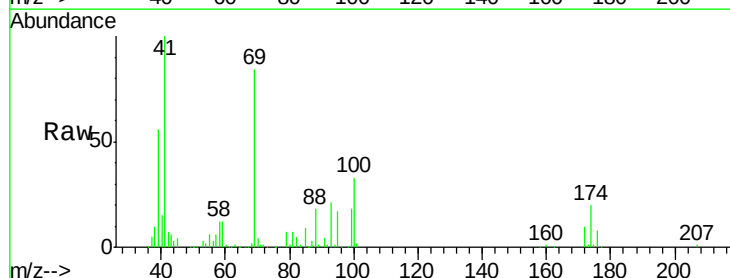
RT: 9.45 min Scan# 1280

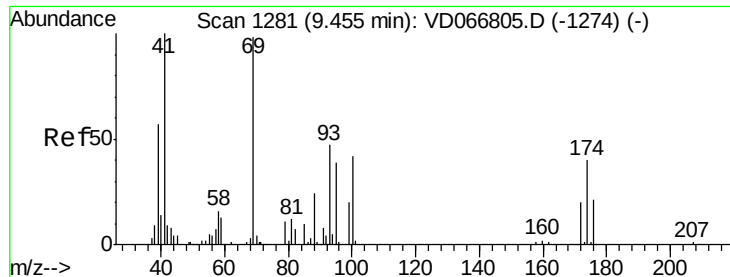
Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Tgt Ion:	41	Resp:	128599
Ion Ratio	Lower	Upper	
41	100		
69	88.2	74.5	111.7
39	52.1	47.0	70.6





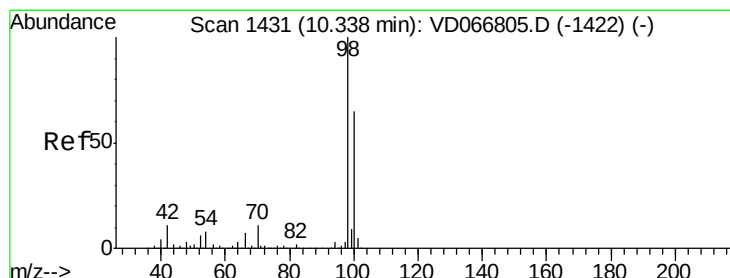
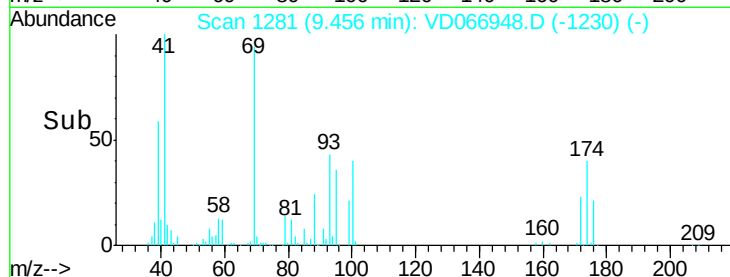
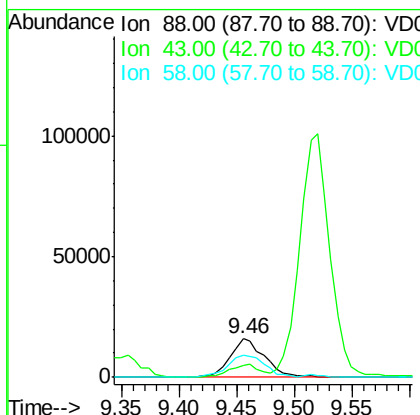
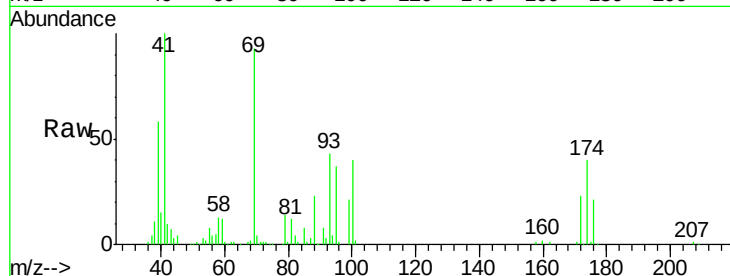
#49
1,4-Dioxane
Concen: 1247.778 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	32936
Ion	Ratio	Lower	Upper
88	100		
43	31.1	27.7	41.5
58	62.9	55.5	83.3

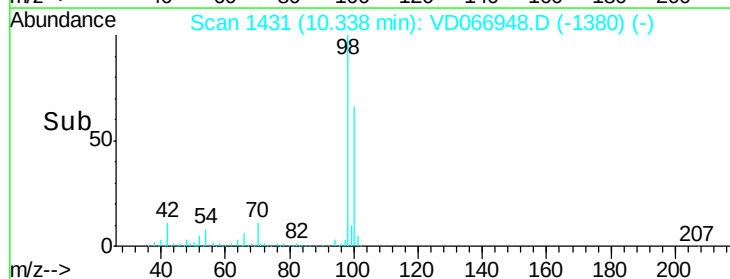
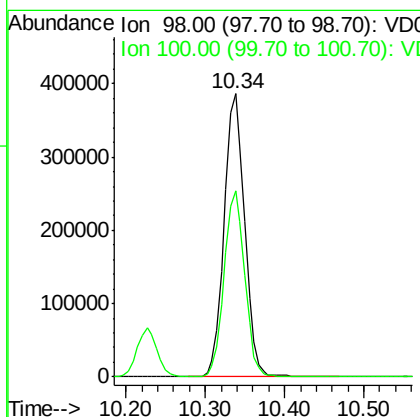
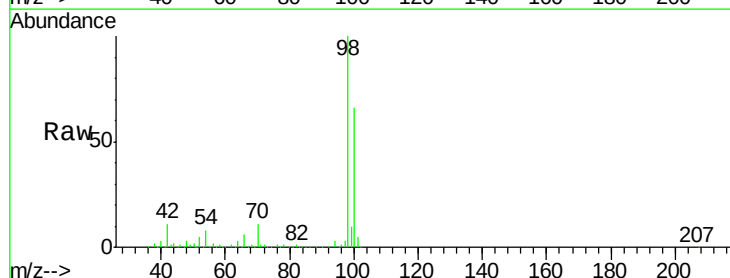
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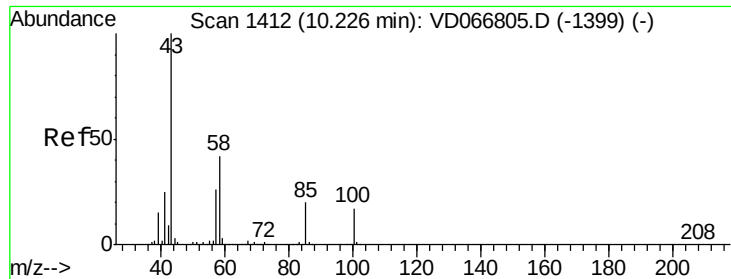
MMDadoda
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#50
Toluene-d8
Concen: 50.880 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion	98	Resp	693465
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 286.961 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 632168

Ion Ratio Lower Upper

43 100

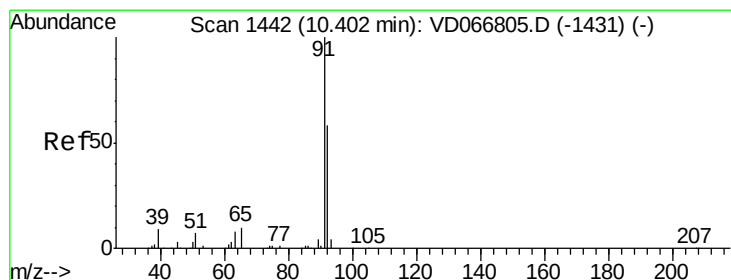
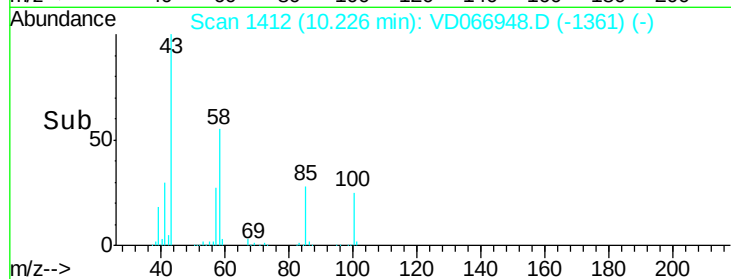
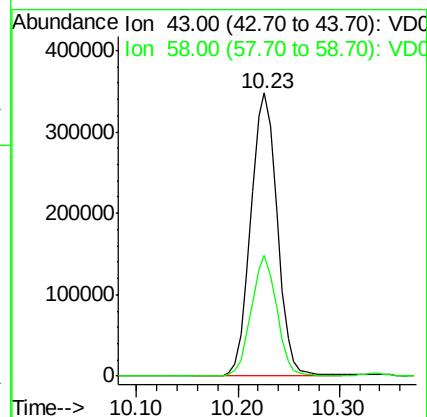
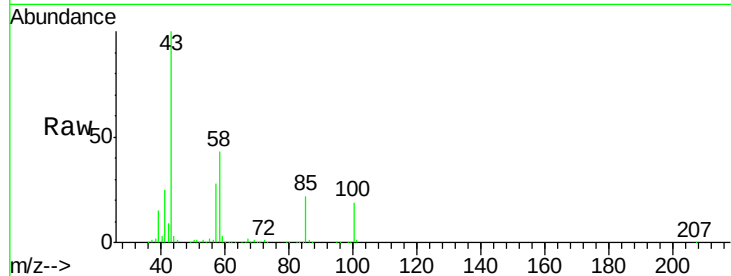
58 41.2 32.2 48.4

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#52

Toluene

Concen: 55.576 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066948.D

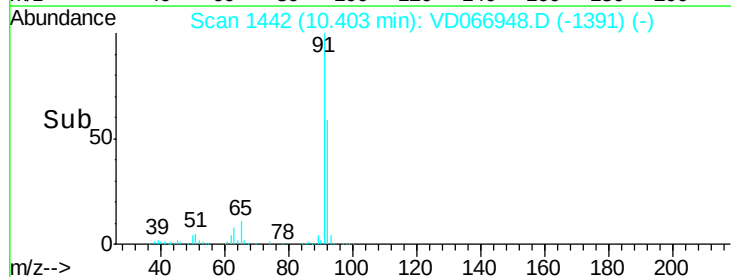
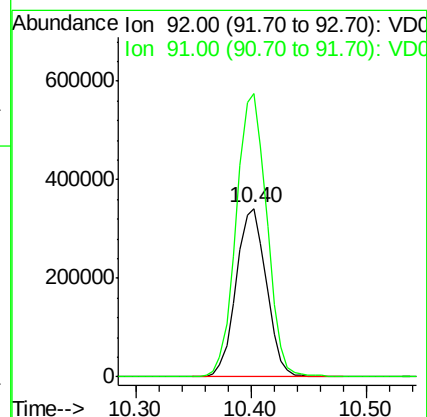
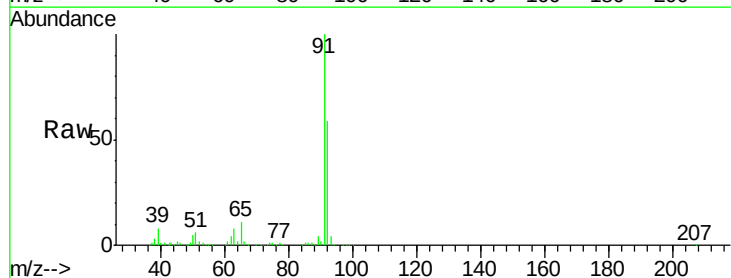
Acq: 29 Sep 2020 19:31

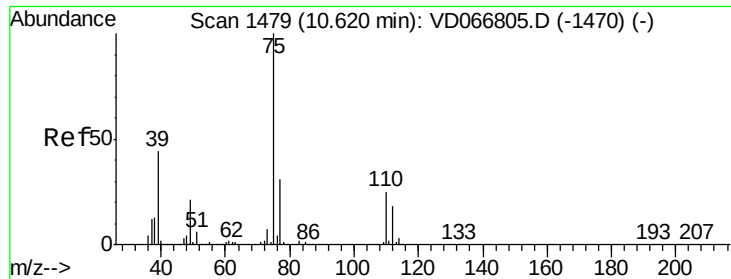
Tgt Ion: 92 Resp: 622357

Ion Ratio Lower Upper

92 100

91 169.8 134.6 202.0





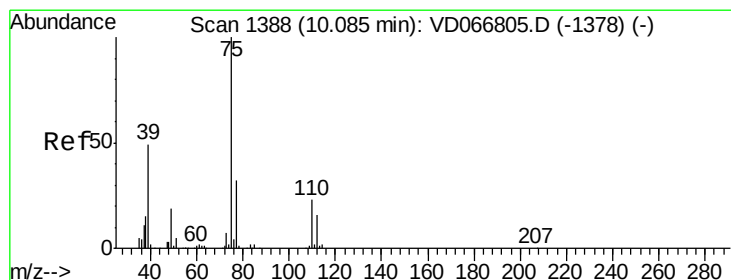
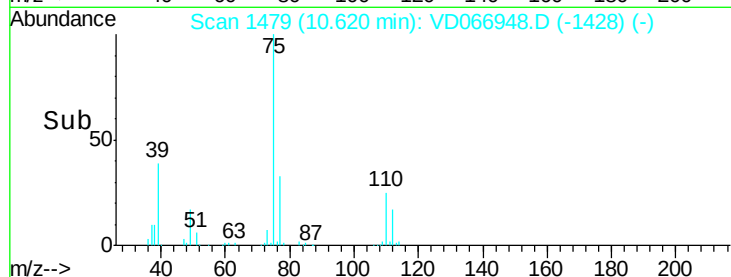
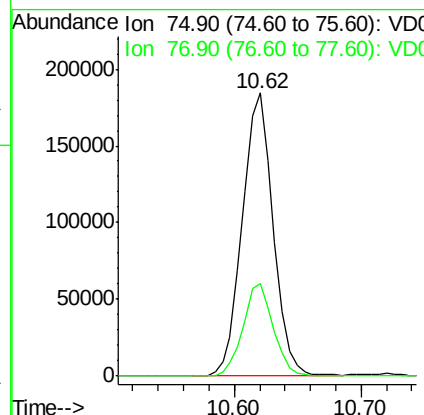
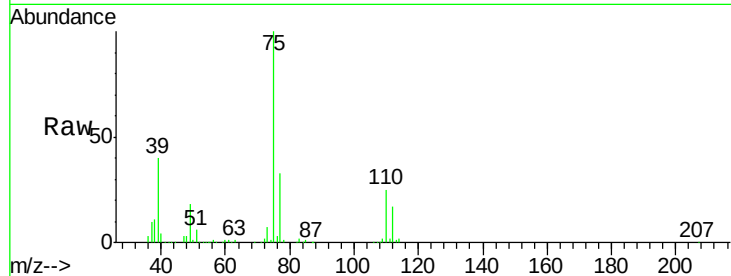
#53
t-1,3-Dichloropropene
Concen: 57.177 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.5	36.7

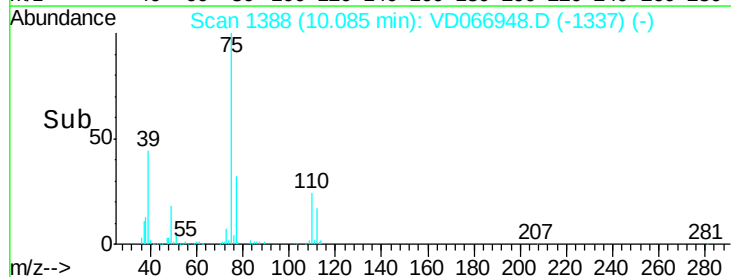
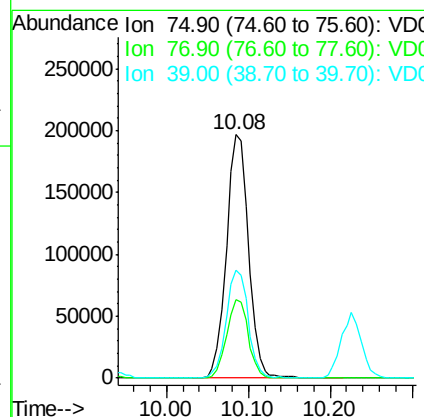
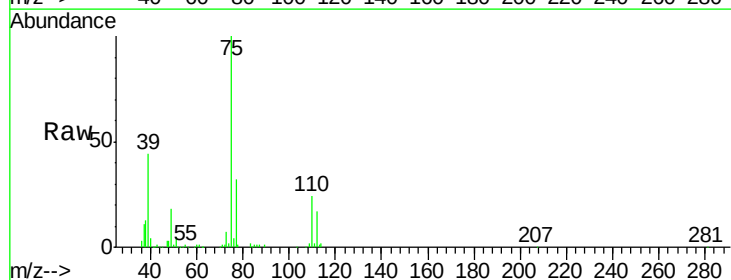
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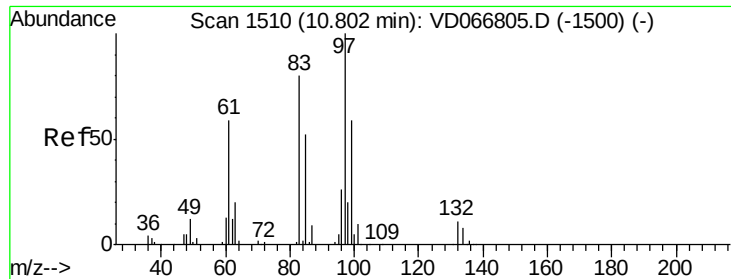
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#54
cis-1,3-Dichloropropene
Concen: 55.865 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4
39	44.3	39.2	58.8





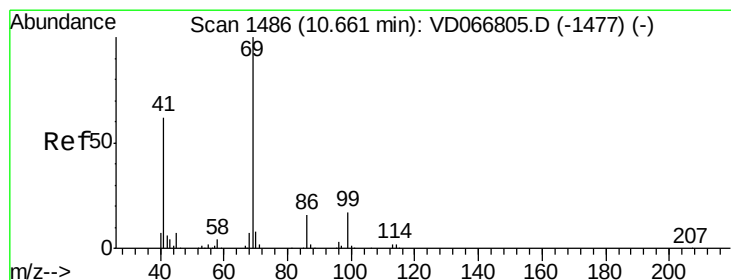
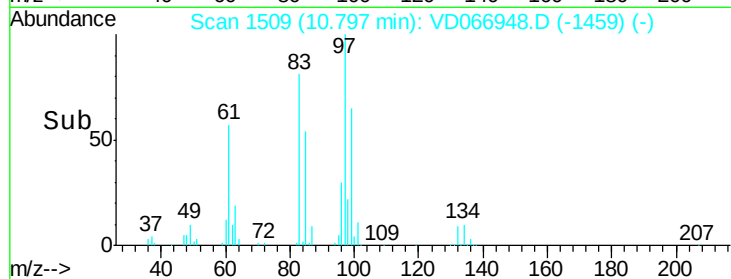
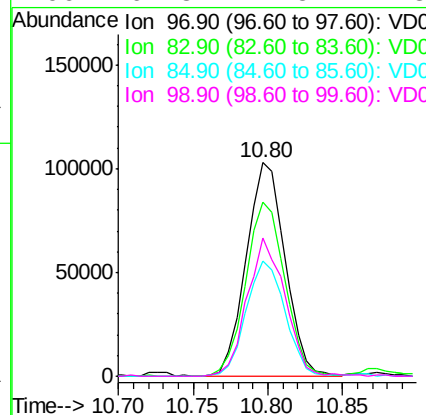
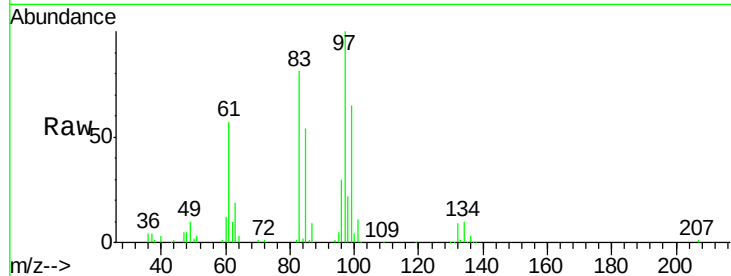
#55
 1,1,2-Trichloroethane
 Concen: 56.340 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	184067
Ion	Ratio	Lower	Upper
97	100		
83	81.5	64.2	96.2
85	54.0	41.9	62.9
99	64.8	47.5	71.3

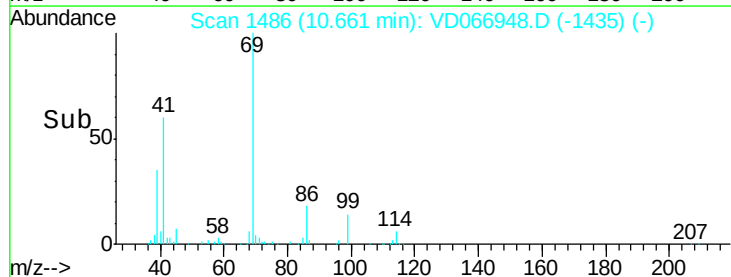
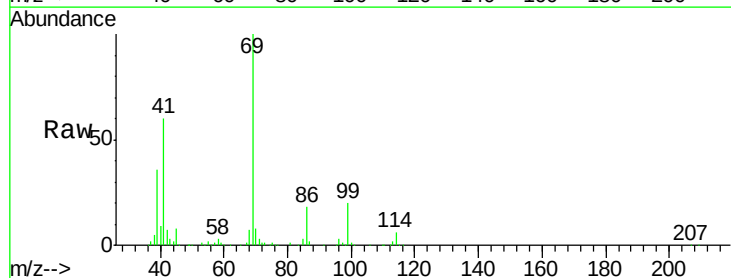
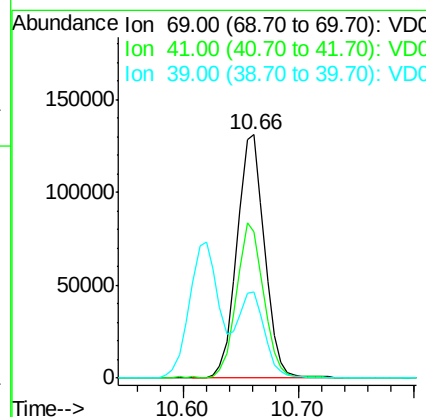
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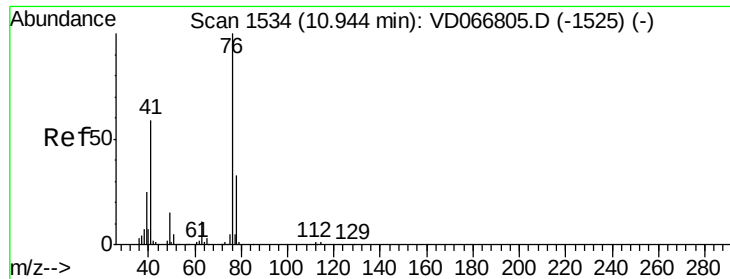
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#56
 Ethyl methacrylate
 Concen: 62.243 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion:	69	Resp:	217847
Ion	Ratio	Lower	Upper
69	100		
41	62.1	52.2	78.2
39	31.9	26.6	40.0





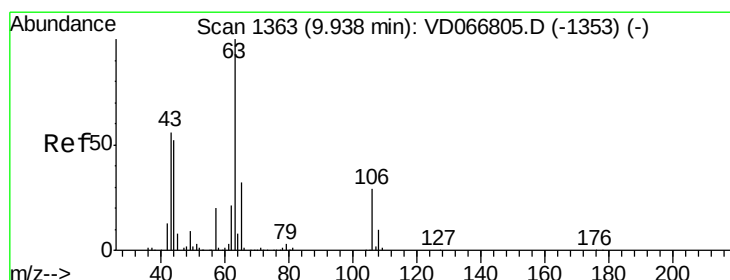
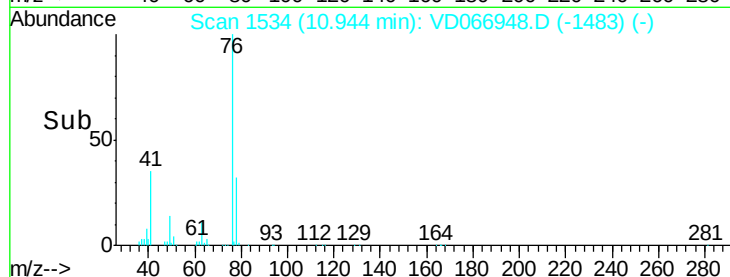
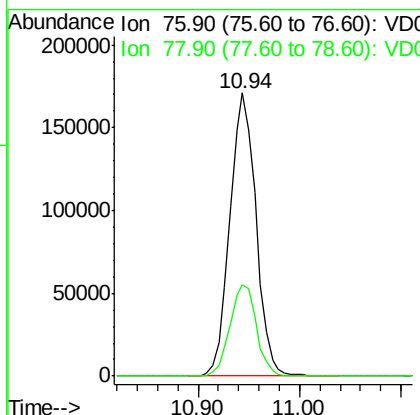
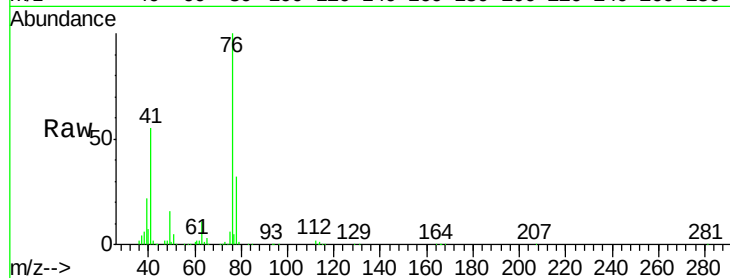
#57
 1,3-Dichloropropane
 Concen: 56.635 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 305532
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.3 39.5

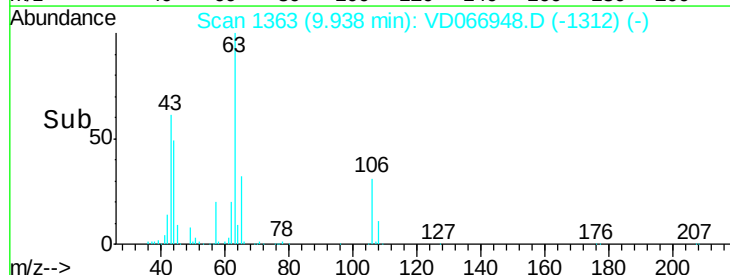
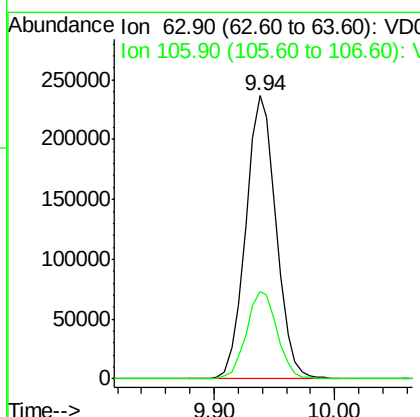
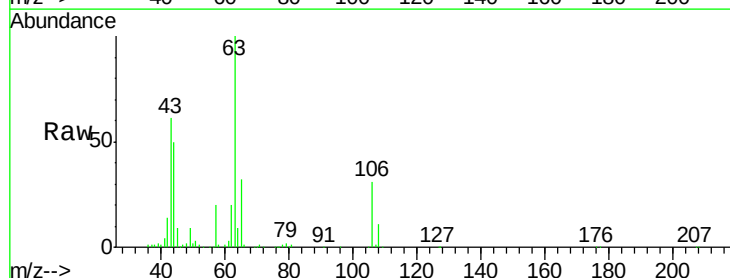
Manual Integrations
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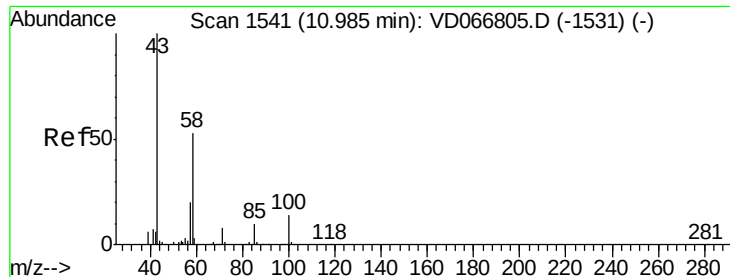
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#58
 2-Chloroethyl Vinyl ether
 Concen: 251.022 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion: 63 Resp: 415995
 Ion Ratio Lower Upper
 63 100
 106 31.4 23.8 35.6





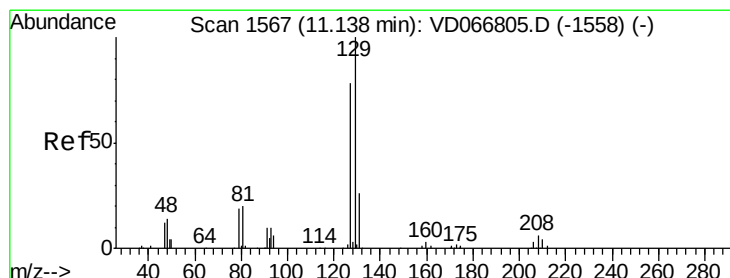
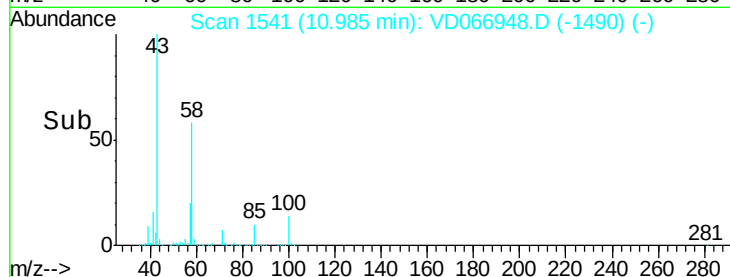
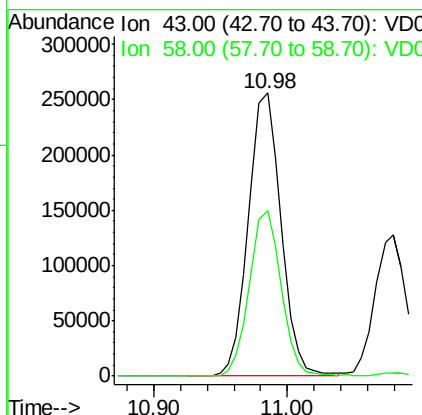
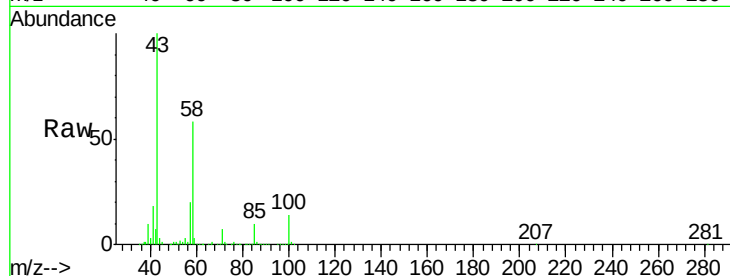
#59
2-Hexanone
Concen: 291.116 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 432491
Ion Ratio Lower Upper
43 100
58 57.1 27.0 80.8

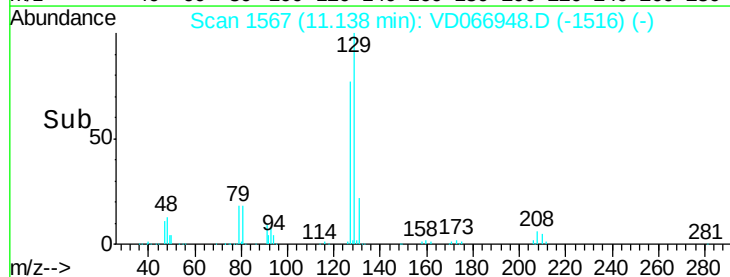
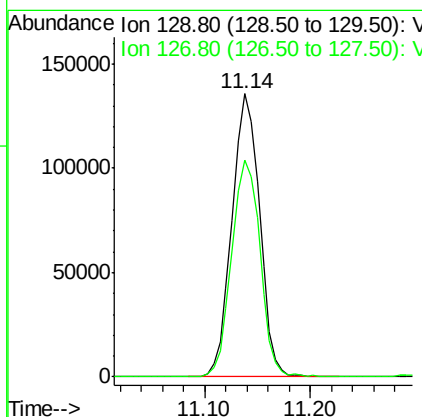
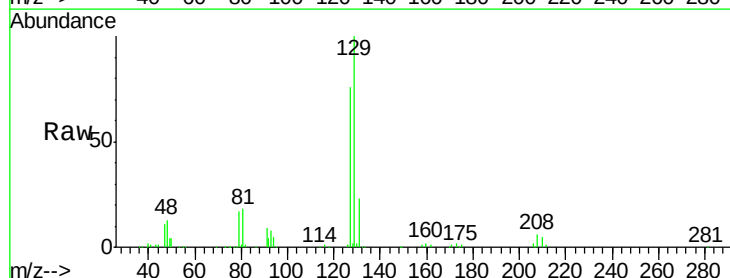
Manual Integrations
APPROVED

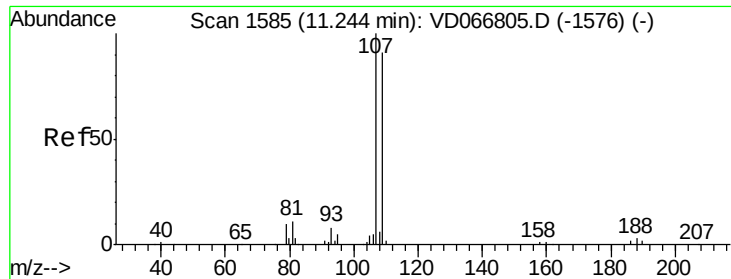
MMDadoda
9/30/2020 1:21:59 PM



#60
Dibromochloromethane
Concen: 57.686 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion: 129 Resp: 245971
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0





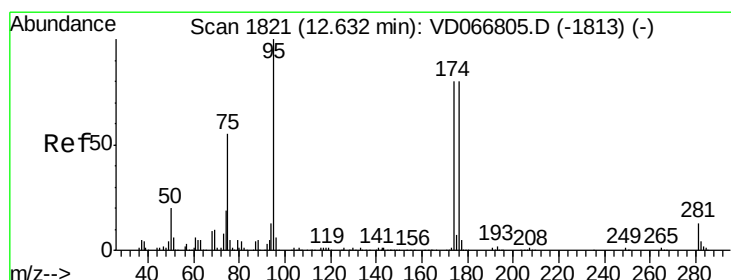
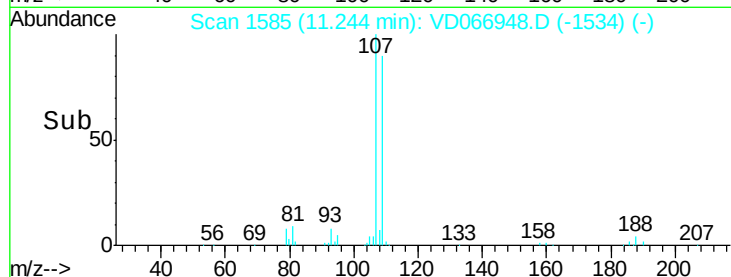
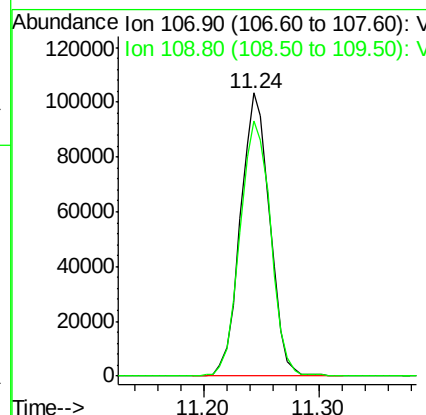
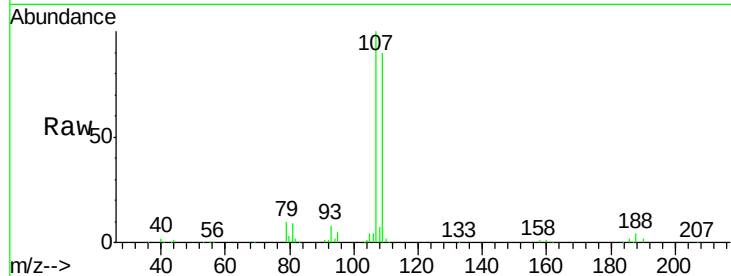
#61
 1,2-Dibromoethane
 Concen: 59.682 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	181361		
109	94.8	75.0	112.4	

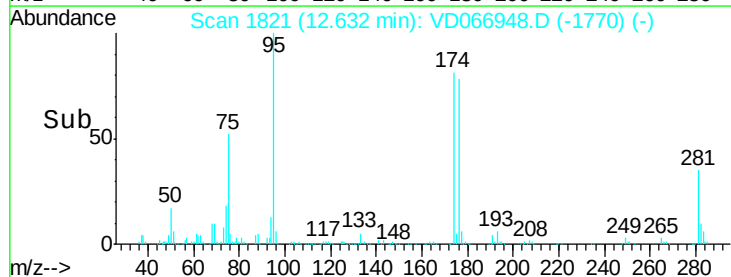
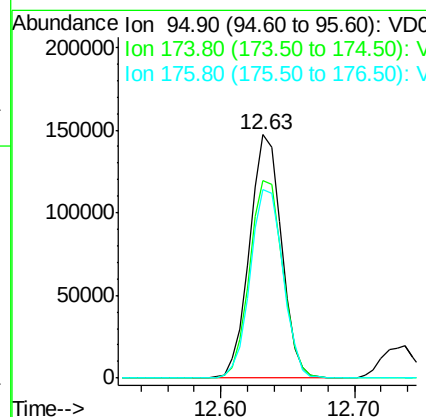
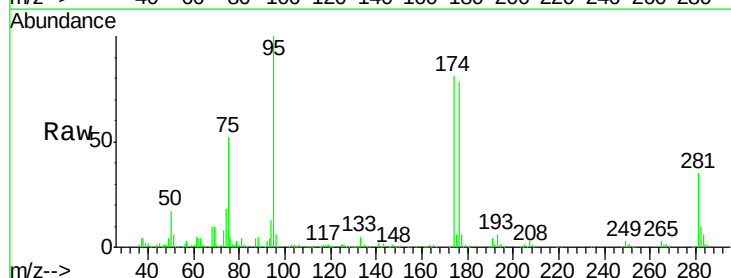
Manual Integrations
 APPROVED

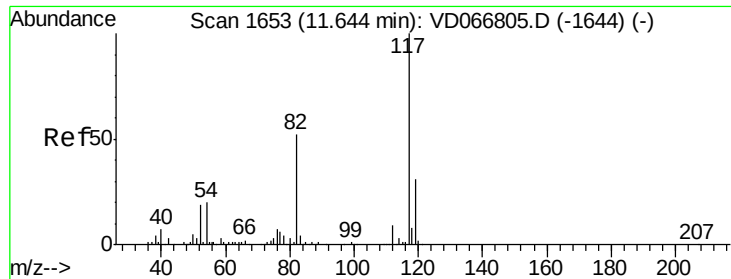
MMDadoda
 9/30/2020 1:21:59 PM



#62
 4-Bromofluorobenzene
 Concen: 51.900 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	242158		
174	84.0	0.0	159.8	
176	79.4	0.0	154.4	





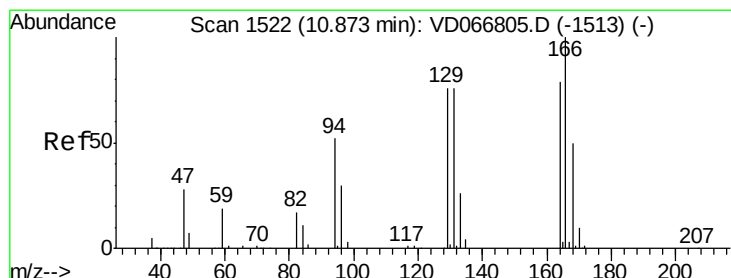
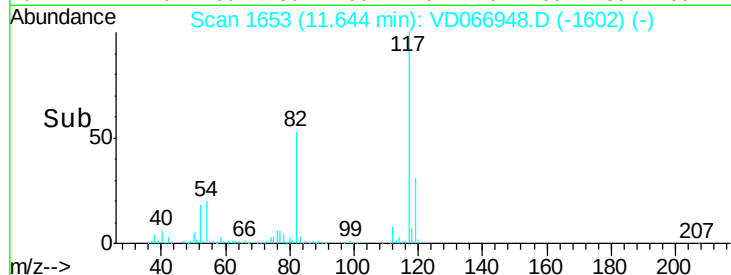
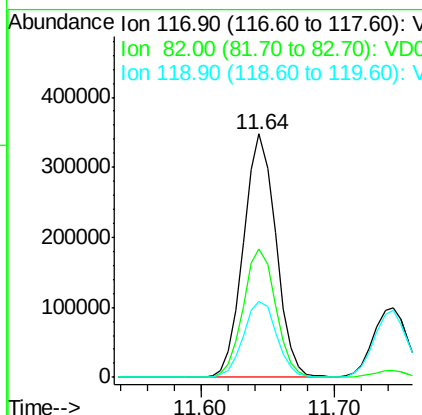
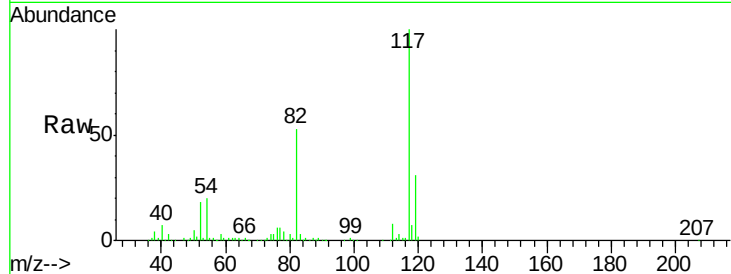
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.8	62.6
119	30.9	24.6	37.0

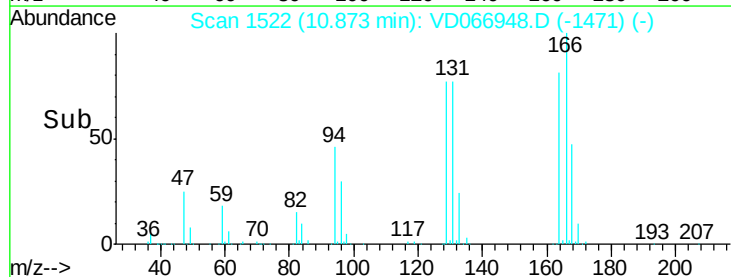
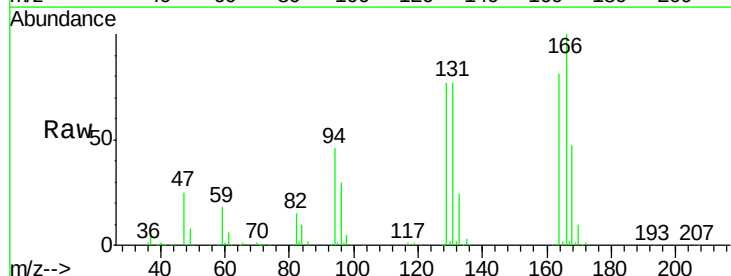
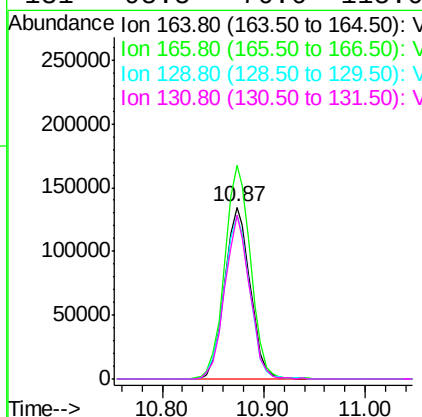
Manual Integrations
APPROVED

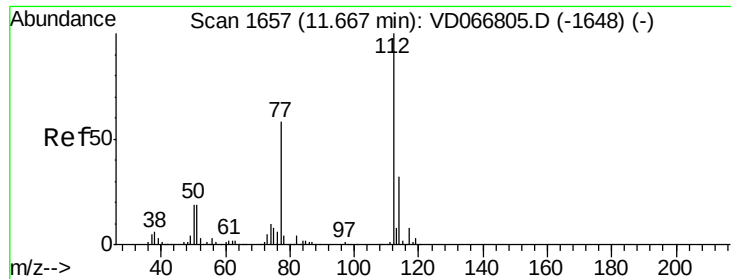
MMDadoda
9/30/2020 1:21:59 PM



#64
Tetrachloroethene
Concen: 55.874 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	101.1	151.7
129	95.5	77.0	115.4
131	95.5	76.6	115.0





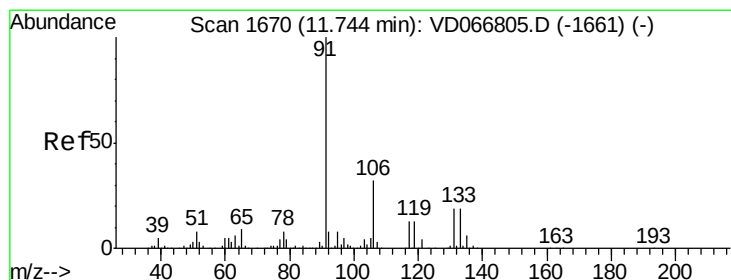
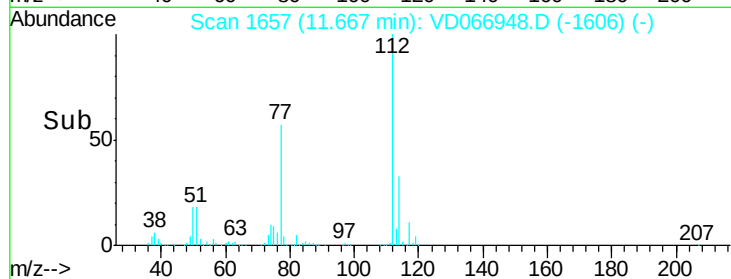
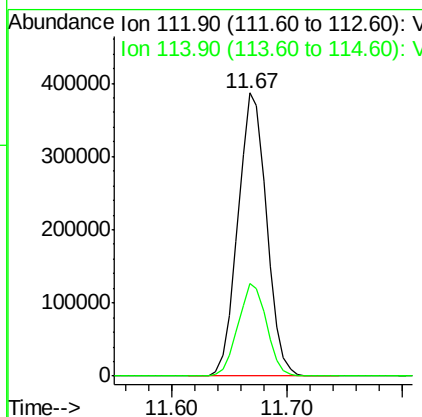
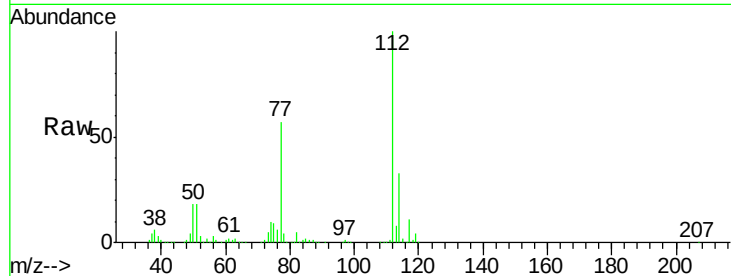
#65
Chlorobenzene
Concen: 54.797 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 667440
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.2

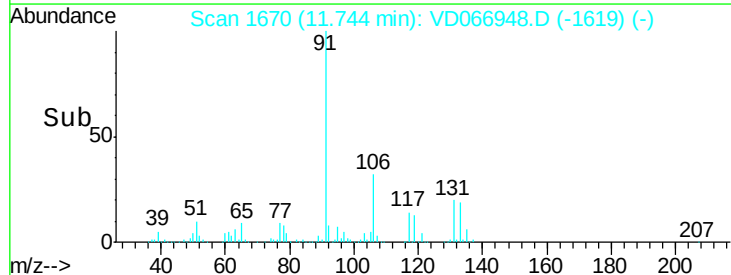
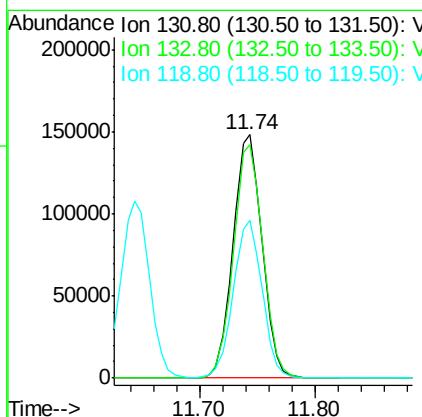
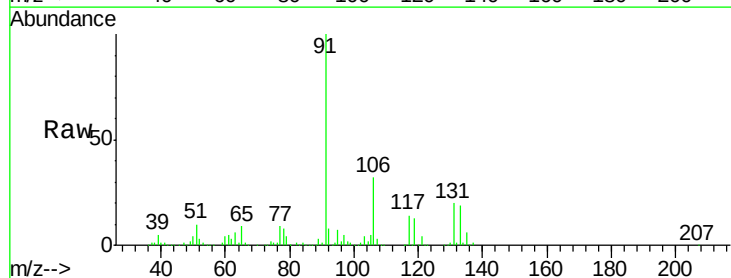
Manual Integrations
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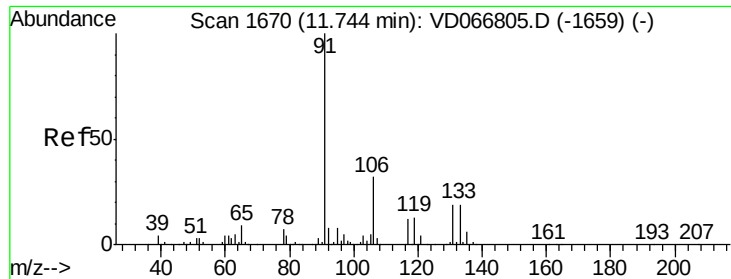
MMDadoda
9/30/2020 1:21:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.933 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion:131 Resp: 257847
Ion Ratio Lower Upper
131 100
133 97.1 46.7 140.1
119 64.5 32.3 96.9





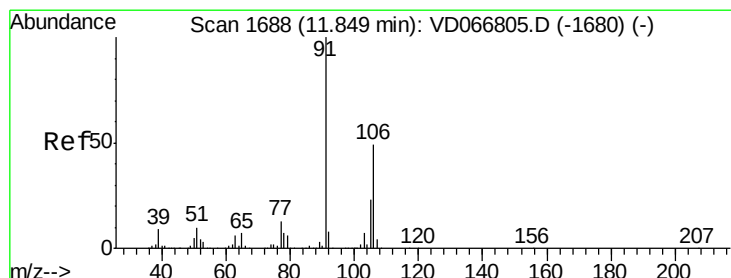
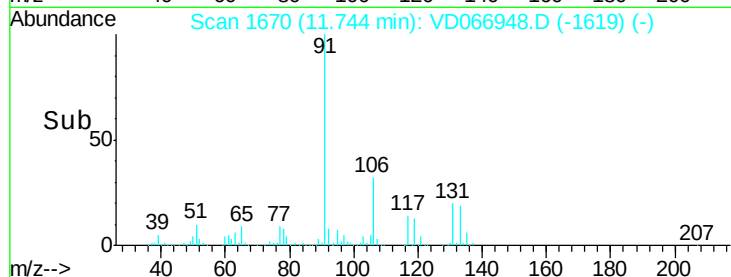
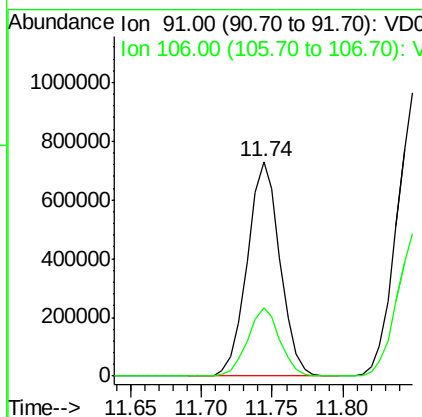
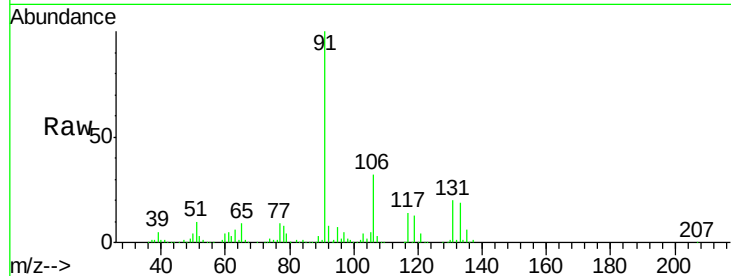
#67
Ethyl Benzene
Concen: 55.516 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1187611
Ion Ratio Lower Upper
91 100
106 31.8 25.6 38.4

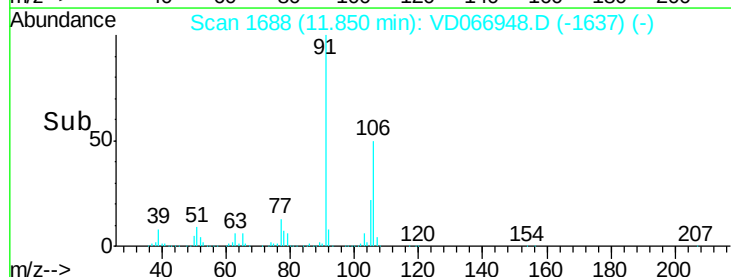
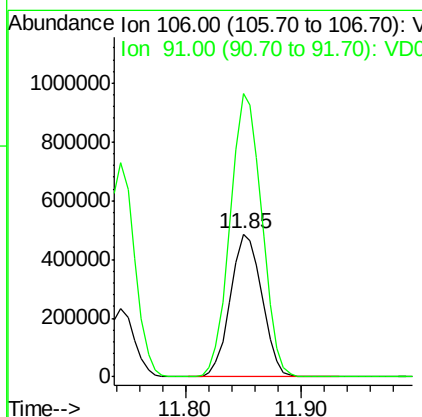
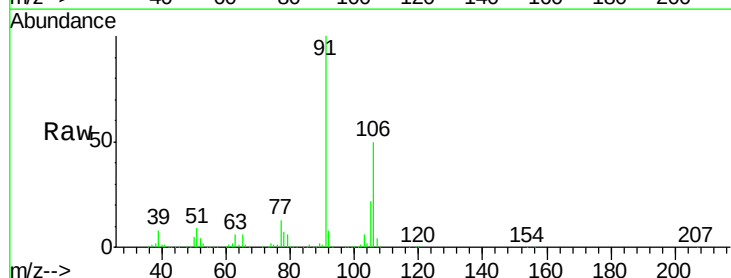
Manual Integrations
APPROVED

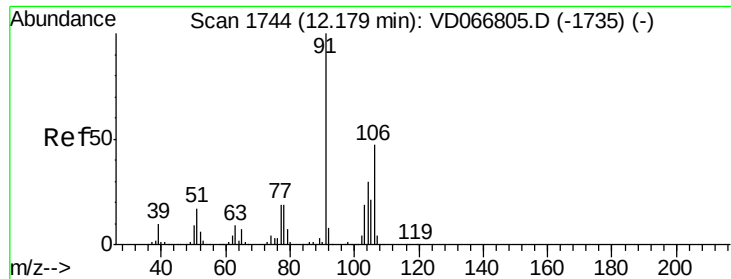
MMDadoda
9/30/2020 1:21:59 PM



#68
m/p-Xylenes
Concen: 114.050 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion: 106 Resp: 923736
Ion Ratio Lower Upper
106 100
91 198.2 160.7 241.1





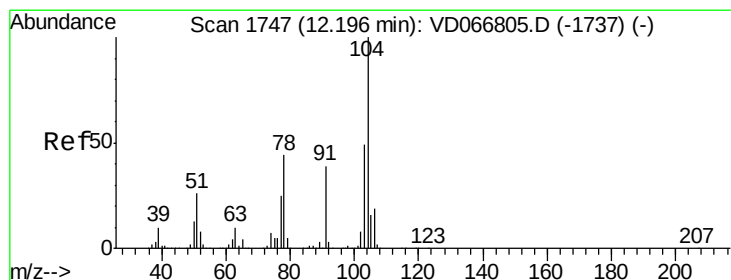
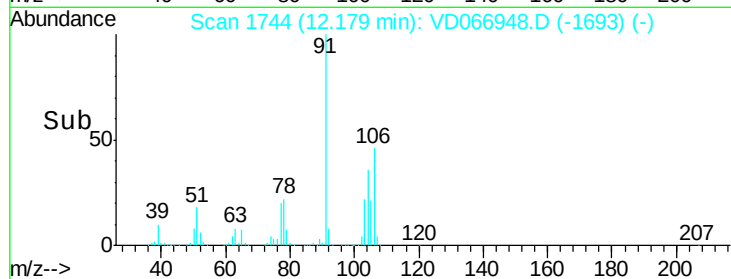
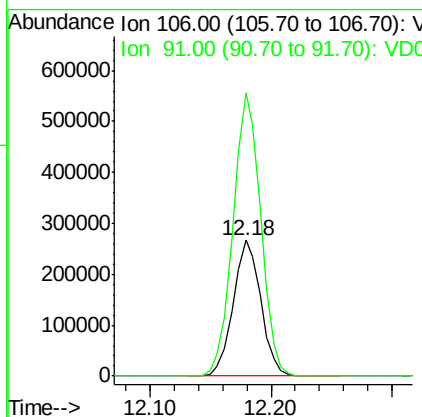
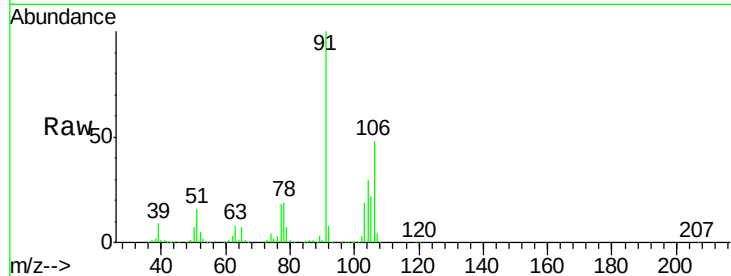
#69
o-Xylene
Concen: 58.064 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.0	106.3	318.8

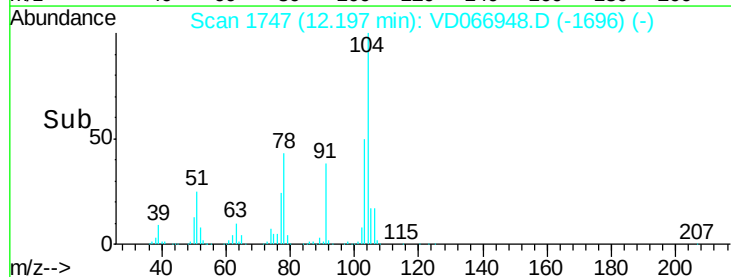
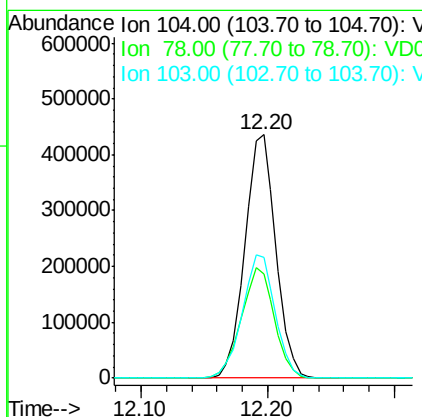
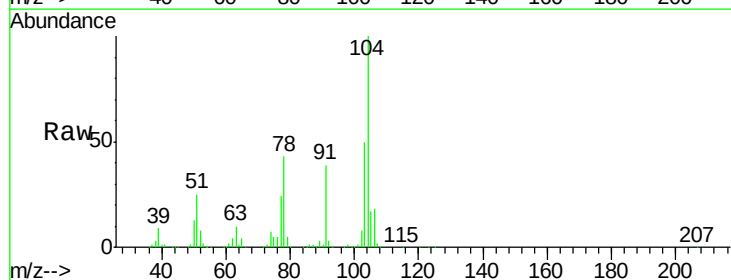
Manual Integrations
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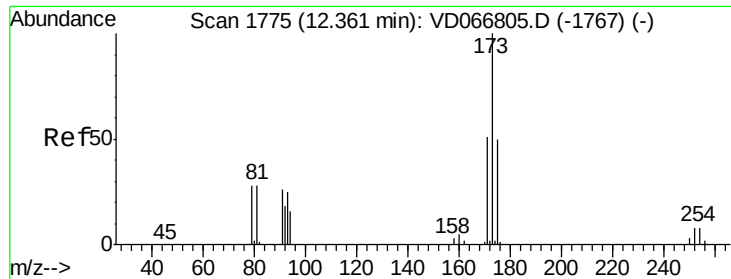
MMDadoda
9/30/2020 1:21:59 PM



#70
Styrene
Concen: 58.098 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066948.D
Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.9	58.3
103	53.9	43.2	64.8





#71

Bromoform

Concen: 58.508 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

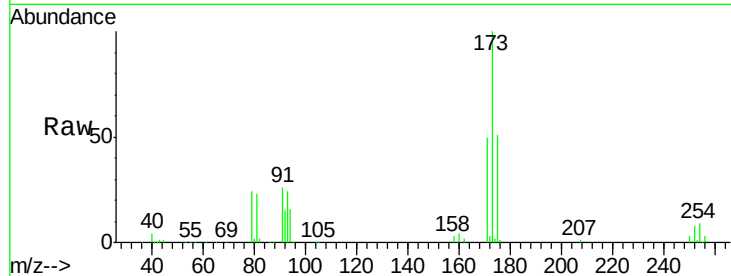
ClientSampleId :

VSTDCCC050EC

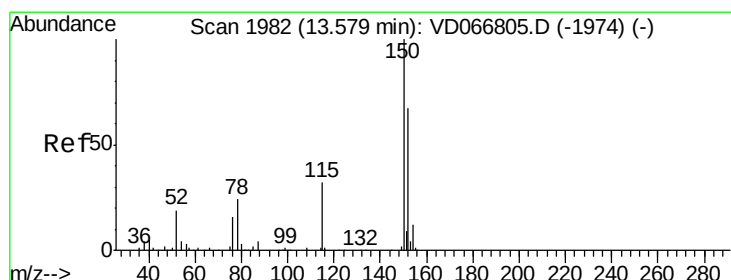
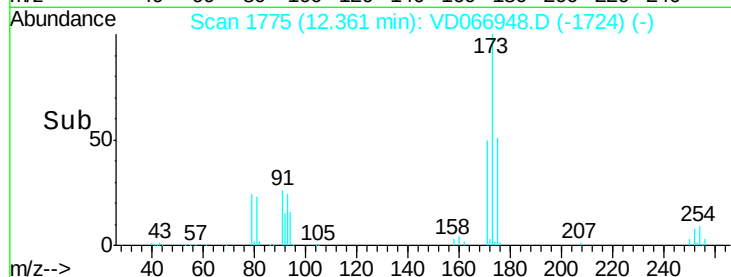
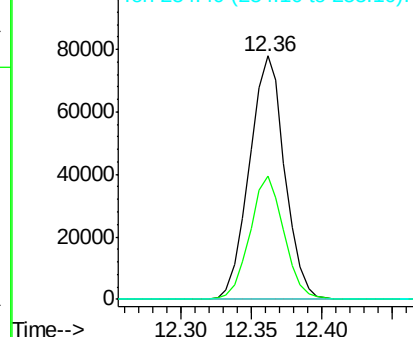
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.6
254	0.2	0.1	0.1

Manual Integrations
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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

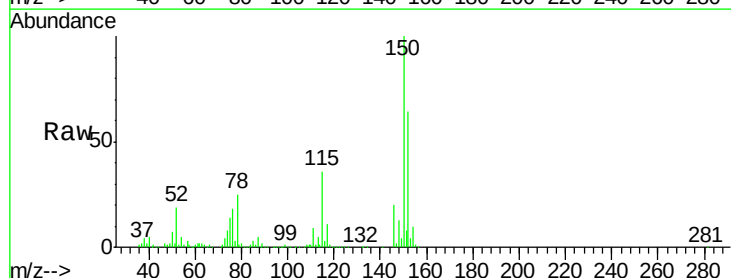
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

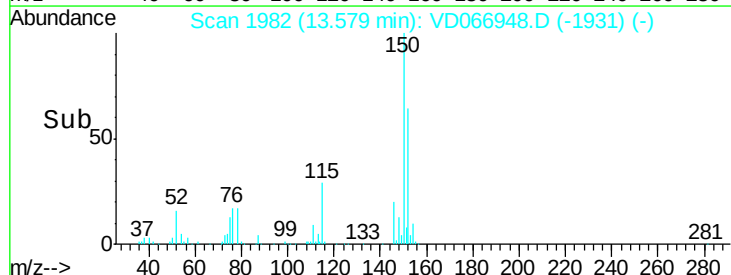
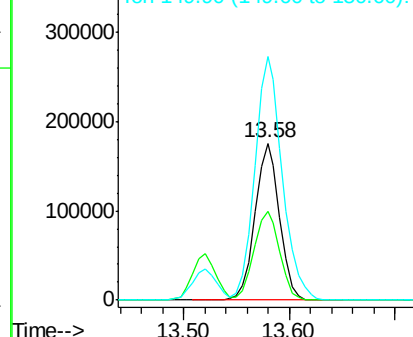
Lab File: VD066948.D

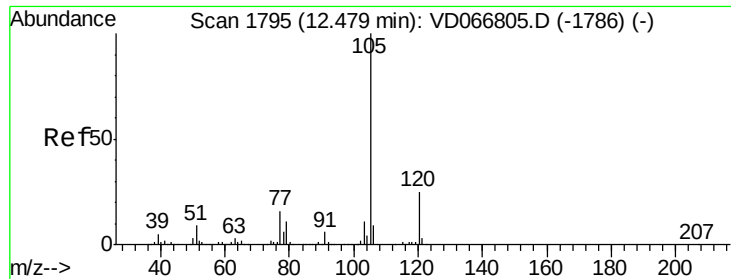
Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.3	91.0
150	173.5	0.0	346.2



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: 56.104 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1151147

Ion Ratio Lower Upper

105 100

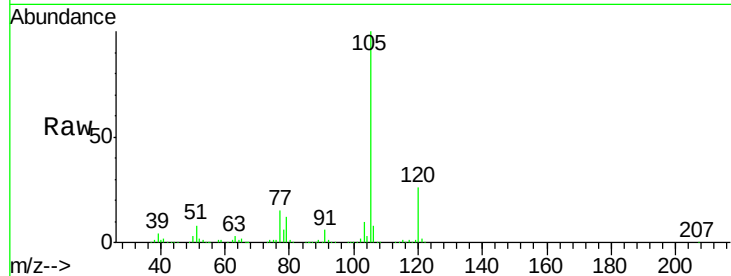
120 26.3 12.9 38.6

Manual Integrations

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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

800000

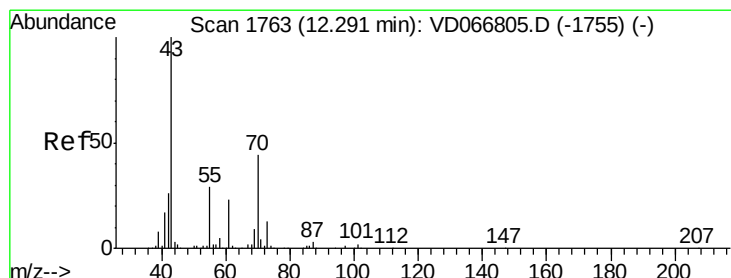
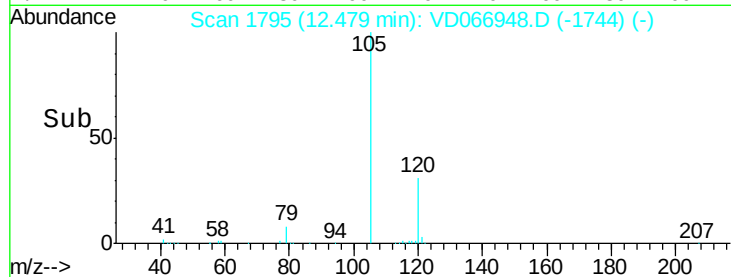
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 55.968 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Tgt Ion: 43 Resp: 224257

Ion Ratio Lower Upper

43 100

70 47.4 36.1 54.1

55 28.1 21.8 32.8

61 25.1 19.0 28.4

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

12.29

200000

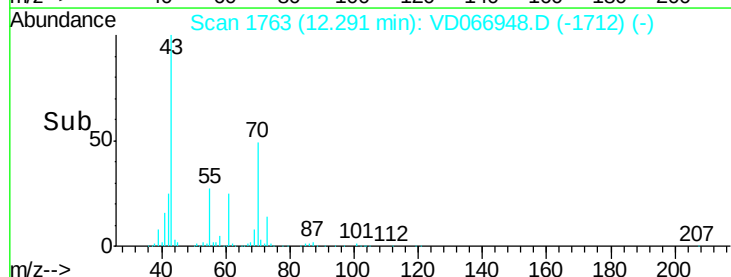
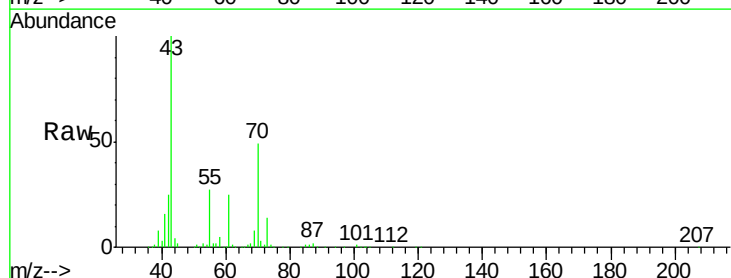
150000

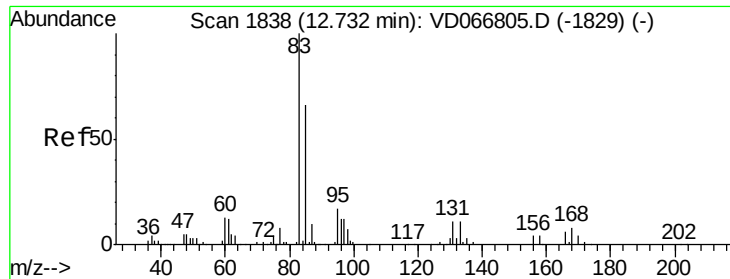
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.621 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 196929

Ion Ratio Lower Upper

83 100

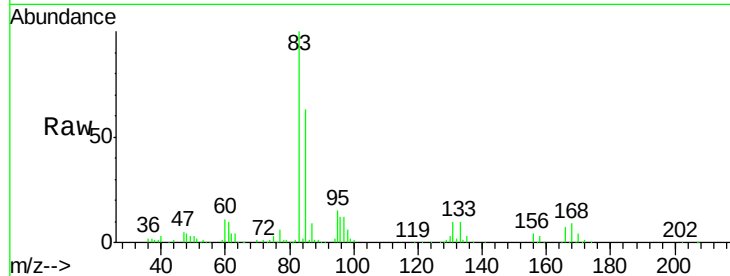
131 10.9 5.5 16.7

85 64.4 32.1 96.5

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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

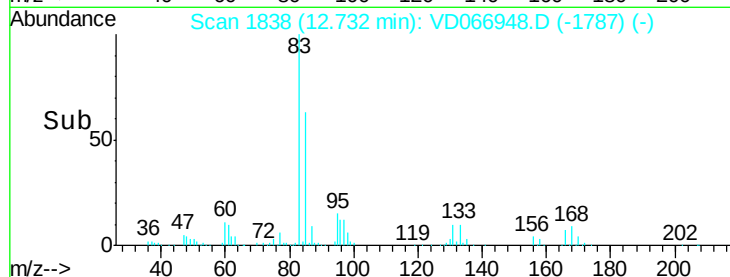
150000

100000

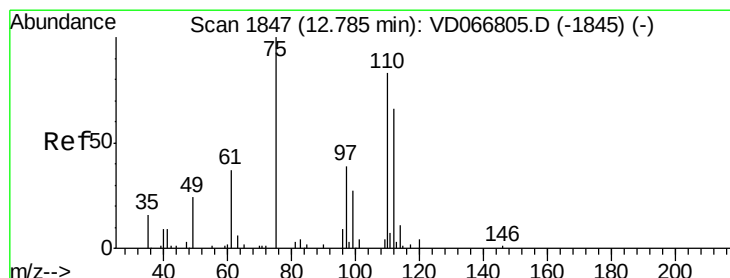
50000

0

Time-->



12.73



#76

1,2,3-Trichloropropane

Concen: 52.797 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066948.D

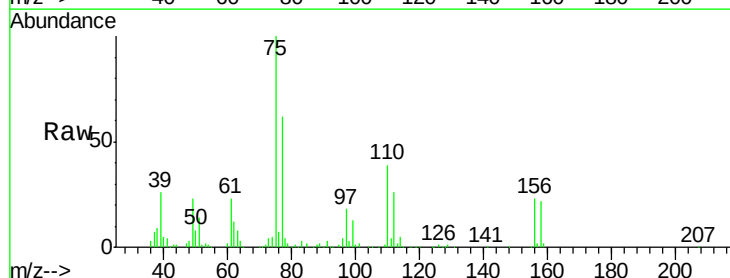
Acq: 29 Sep 2020 19:31

Tgt Ion: 75 Resp: 124273

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

300000

250000

200000

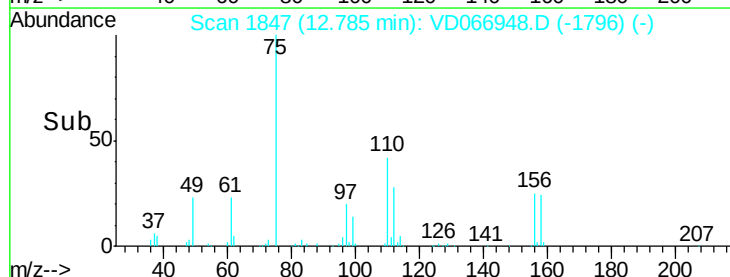
150000

100000

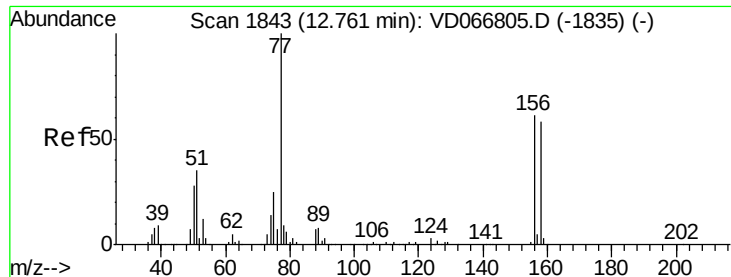
50000

0

Time-->



12.78



#77

Bromobenzene

Concen: 56.403 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 270663

Ion Ratio Lower Upper

156 100

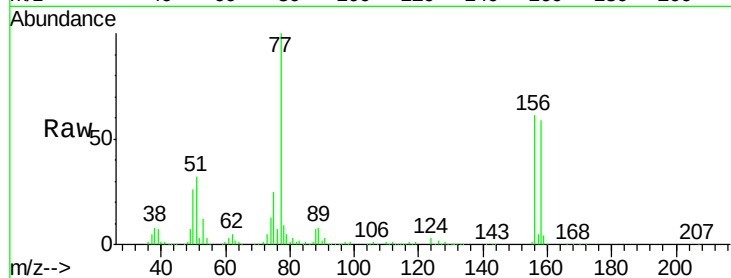
77 174.2 92.3 276.9

158 95.4 47.6 142.9

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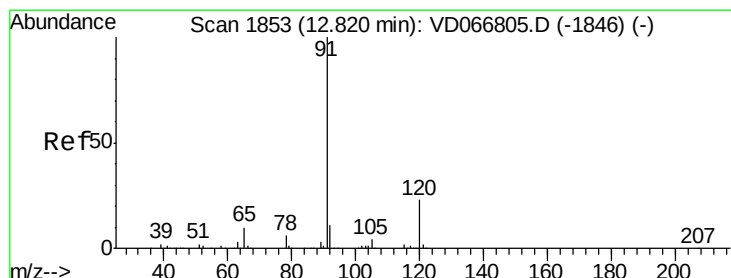
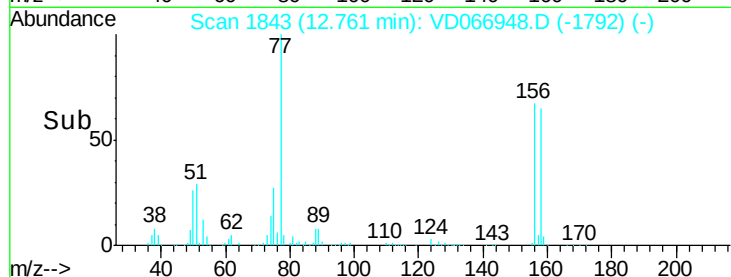
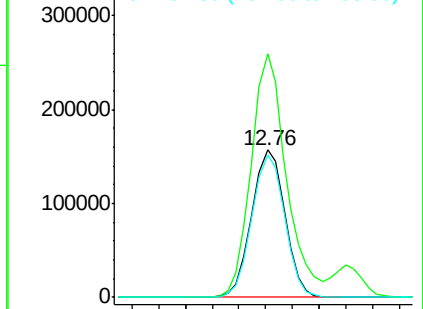
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.142 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066948.D

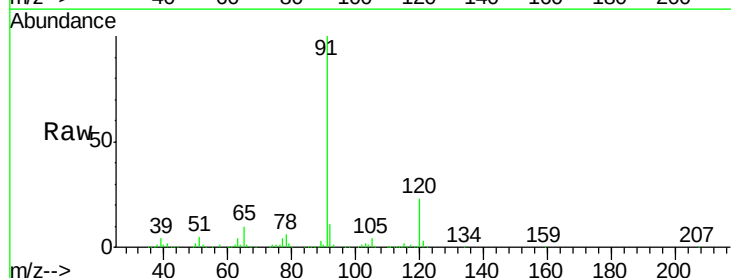
Acq: 29 Sep 2020 19:31

Tgt Ion: 91 Resp: 1336464

Ion Ratio Lower Upper

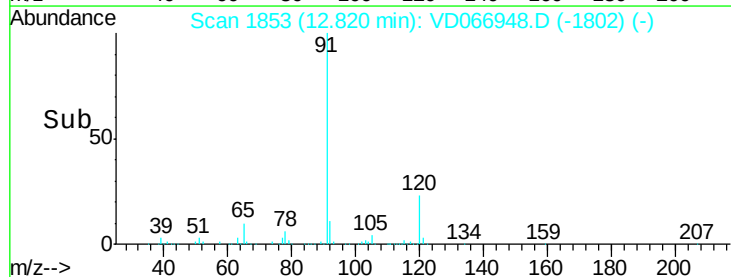
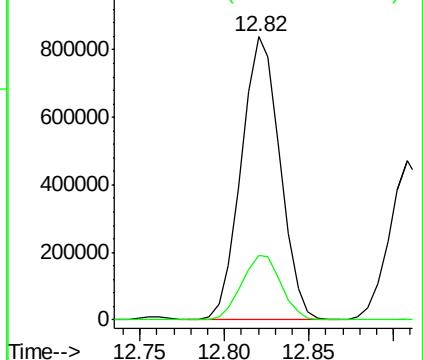
91 100

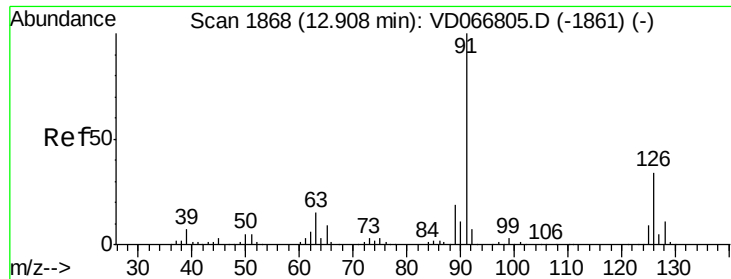
120 23.3 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.119 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 761257

Ion Ratio Lower Upper

91 100

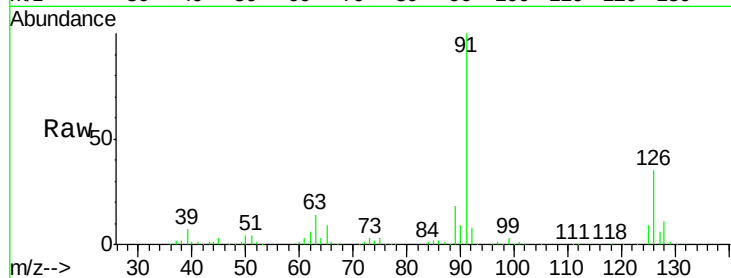
126 34.7 17.0 51.0

Manual Integrations

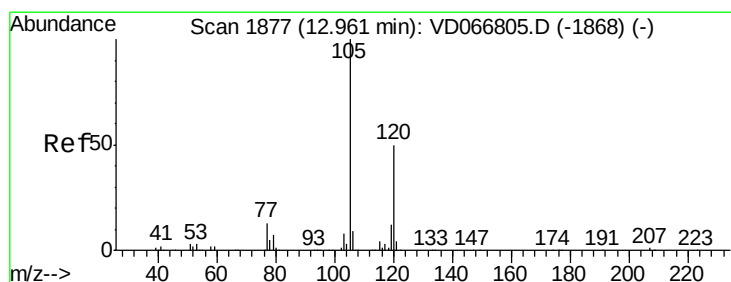
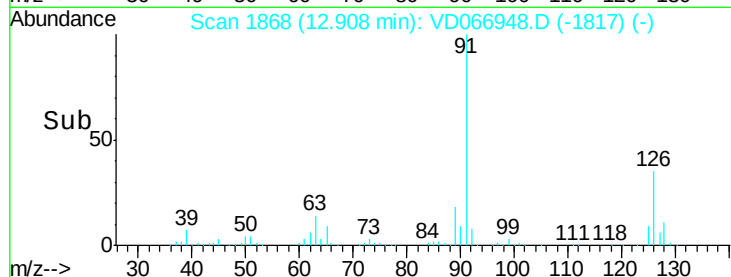
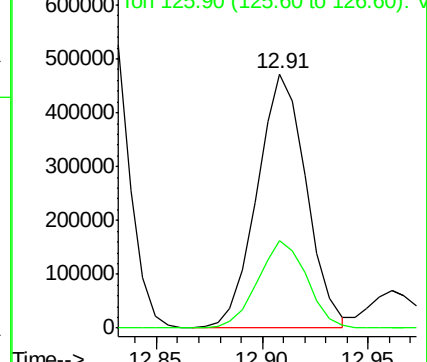
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Abundance Ion 91.00 (90.70 to 91.70): VD066805.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.614 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066948.D

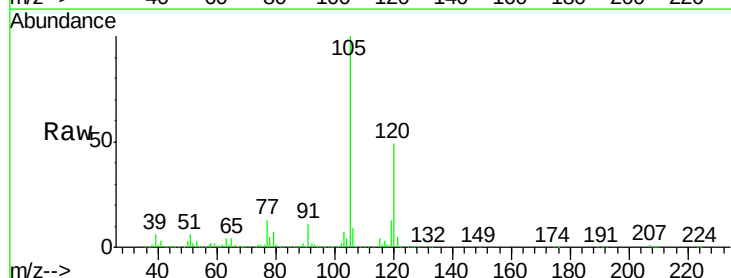
Acq: 29 Sep 2020 19:31

Tgt Ion: 105 Resp: 968242

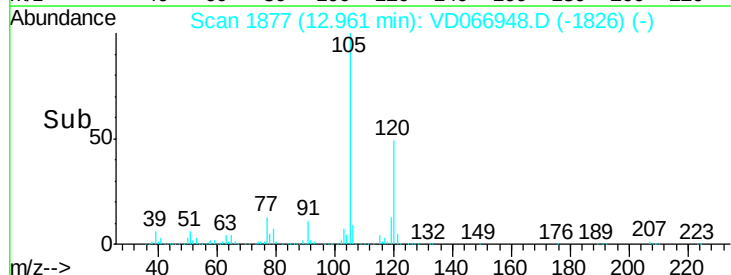
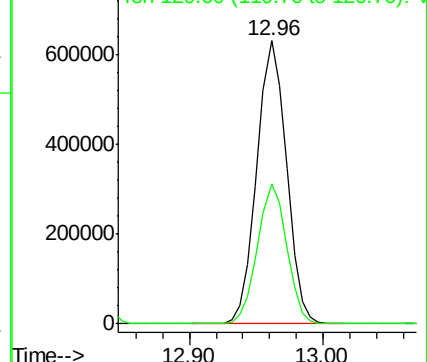
Ion Ratio Lower Upper

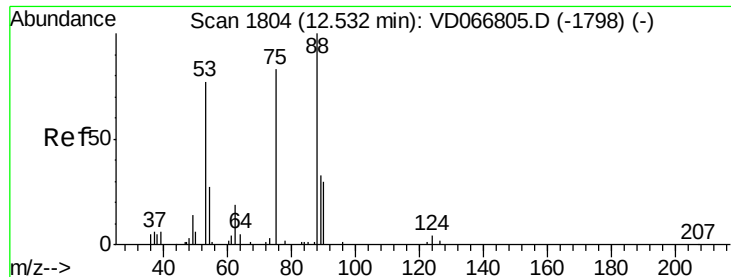
105 100

120 48.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VD066805.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 58.478 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 55016

Ion Ratio Lower Upper

75 100

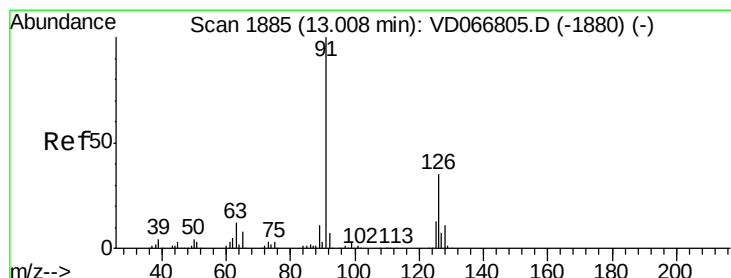
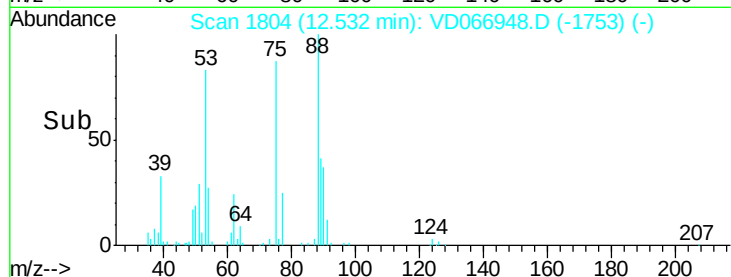
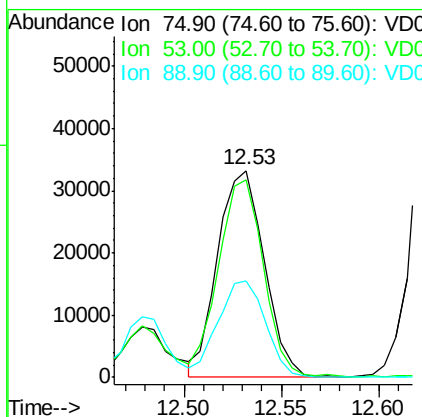
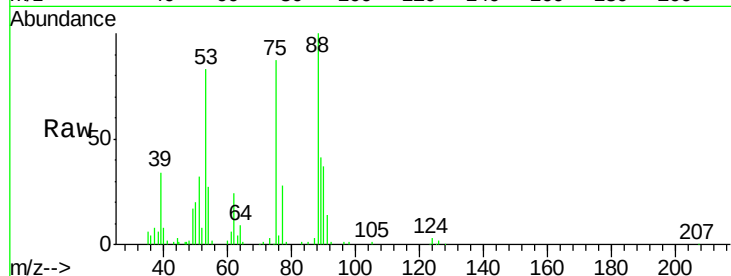
53 93.0 78.5 117.7

89 47.5 38.1 57.1

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#82

4-Chlorotoluene

Concen: 54.517 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066948.D

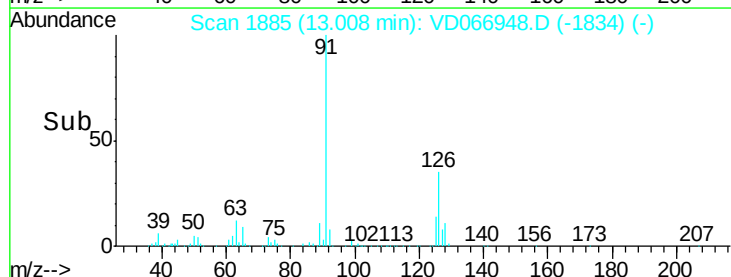
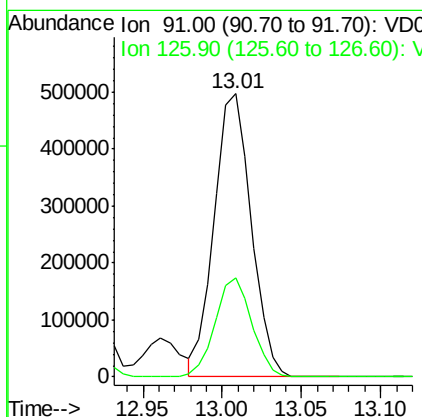
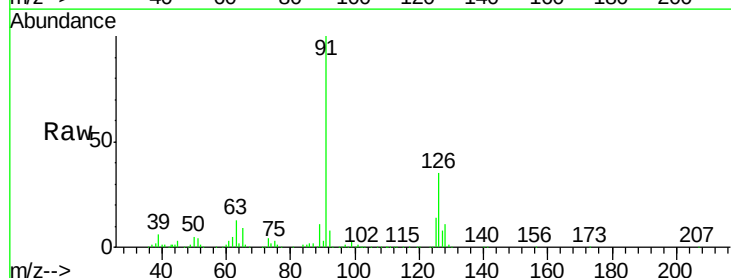
Acq: 29 Sep 2020 19:31

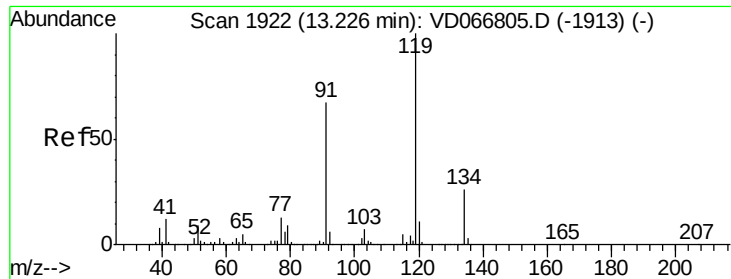
Tgt Ion: 91 Resp: 808381

Ion Ratio Lower Upper

91 100

126 34.5 17.1 51.2





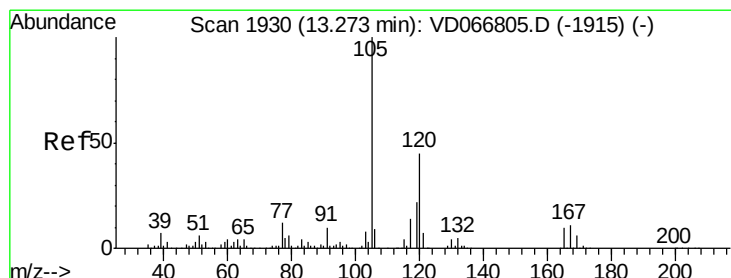
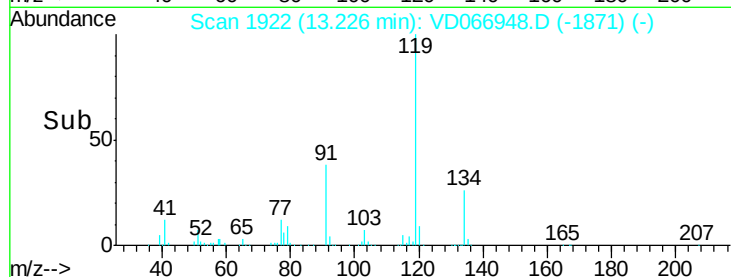
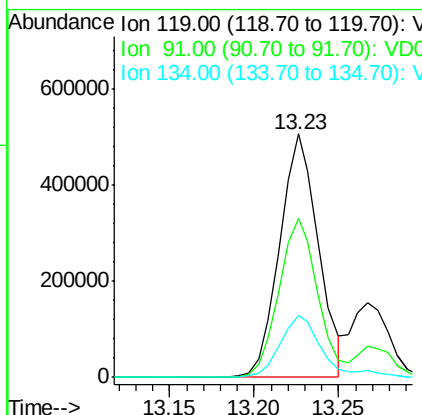
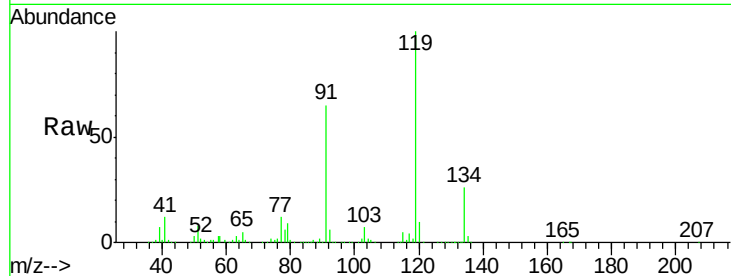
#83
 tert-Butylbenzene
 Concen: 56.192 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	803898		
91	65.8	33.6	100.8	
134	27.6	13.5	40.4	

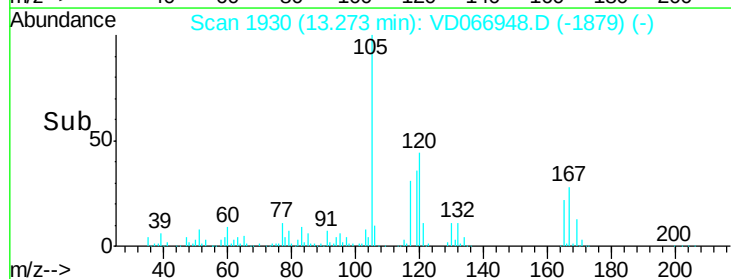
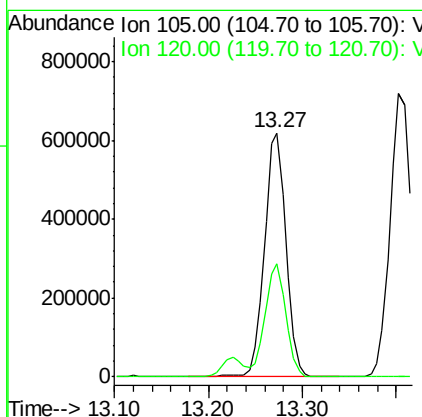
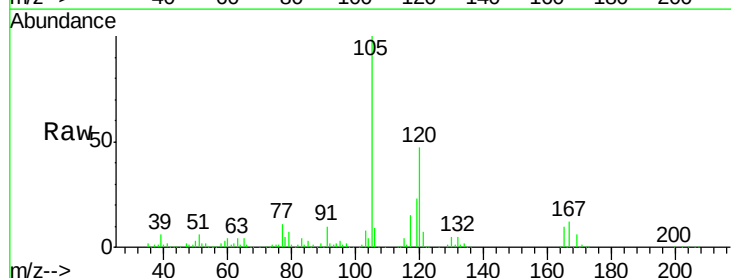
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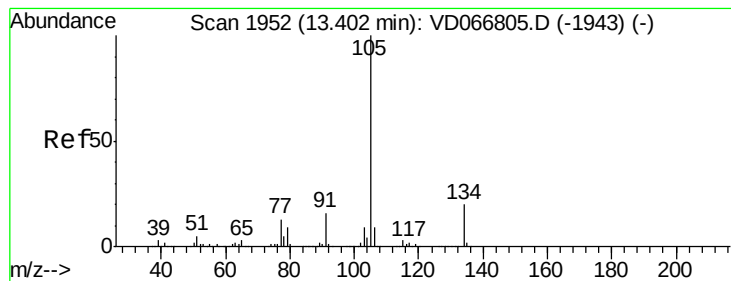
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.549 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	976263		
120	45.1	22.3	66.9	





#85

sec-Butylbenzene

Concen: 55.296 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1137577

Ion Ratio Lower Upper

105 100

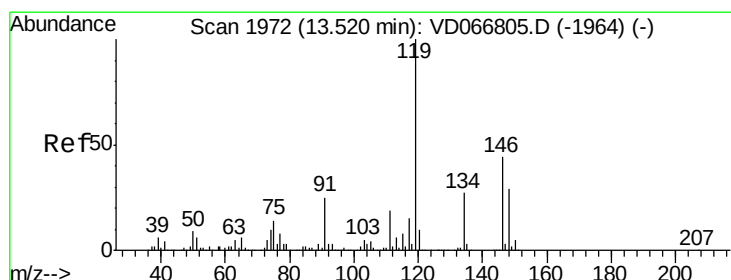
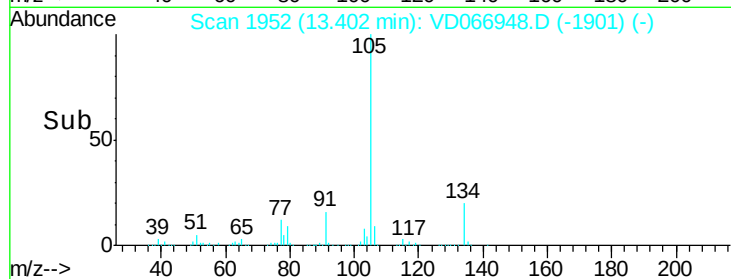
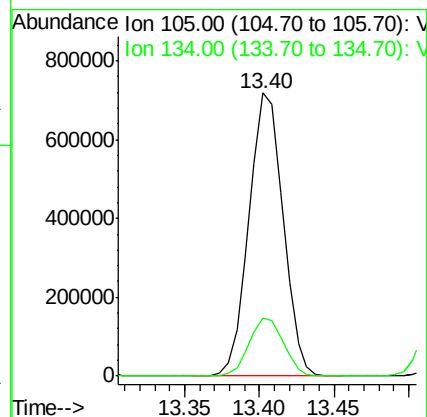
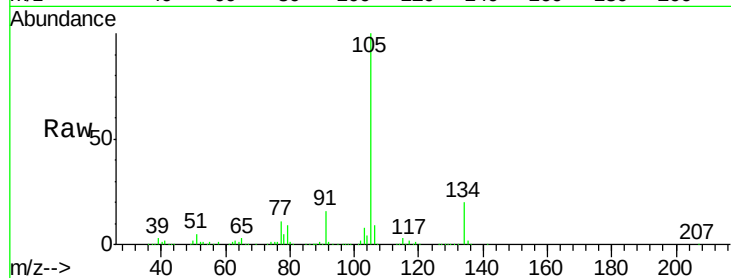
134 20.5 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 56.617 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

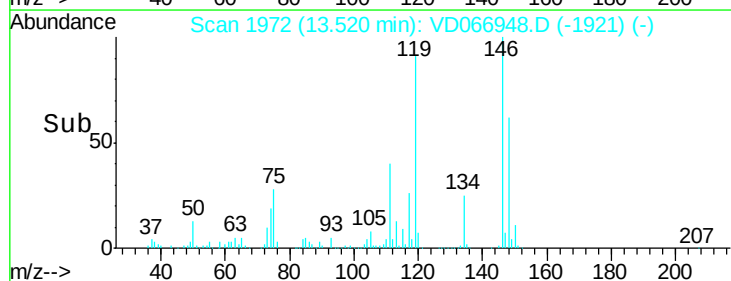
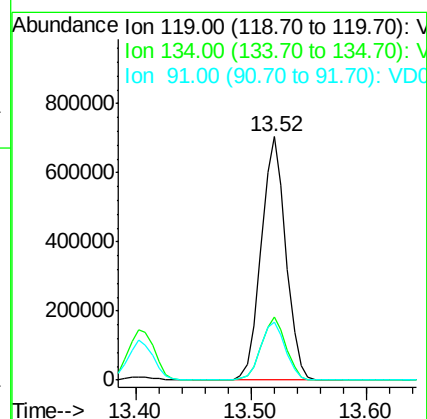
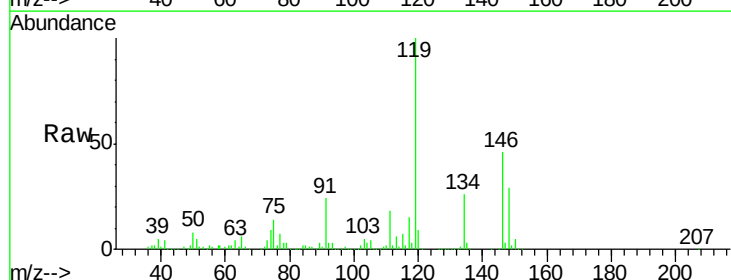
Tgt Ion:119 Resp: 1049891

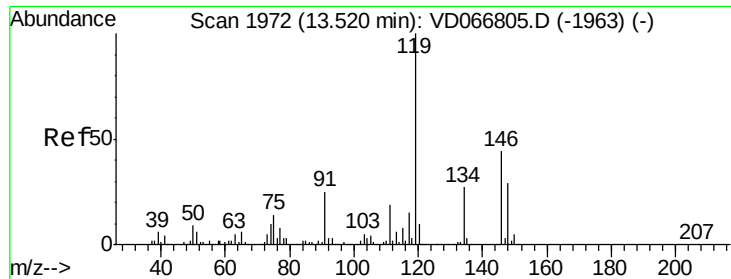
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 23.7 12.0 36.1





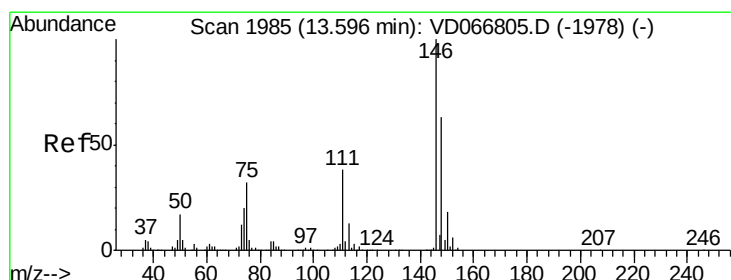
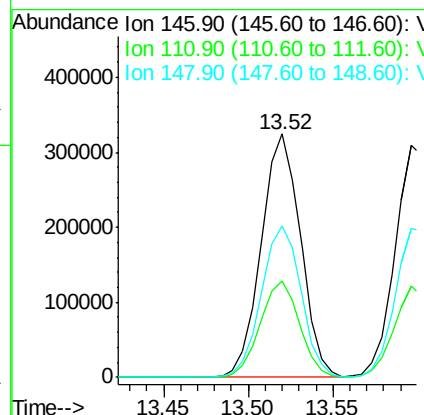
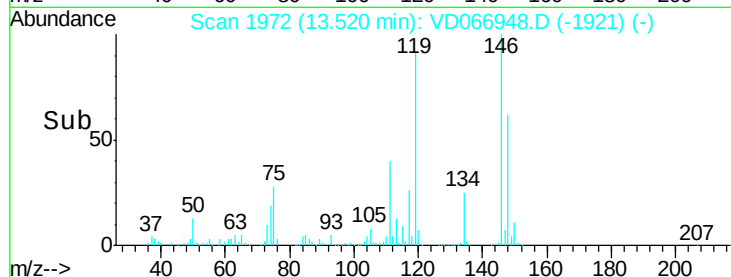
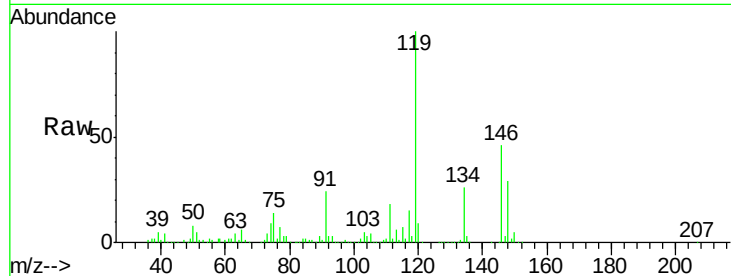
#87
 1,3-Dichlorobenzene
 Concen: 55.456 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.9
148	63.0	31.9	95.5

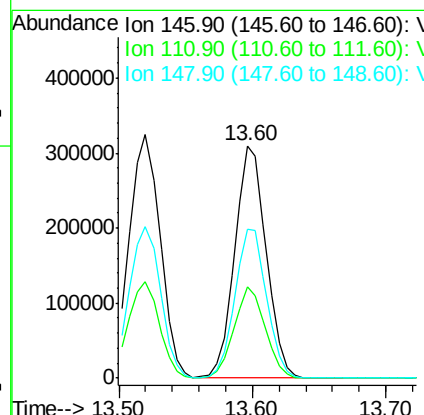
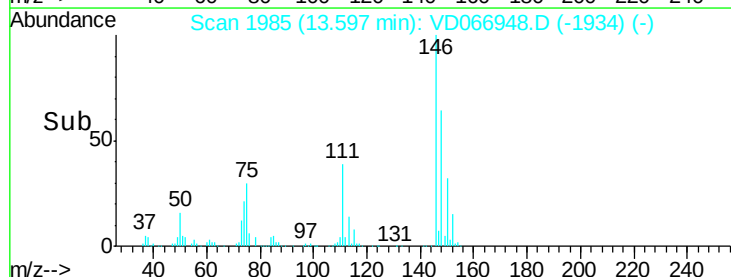
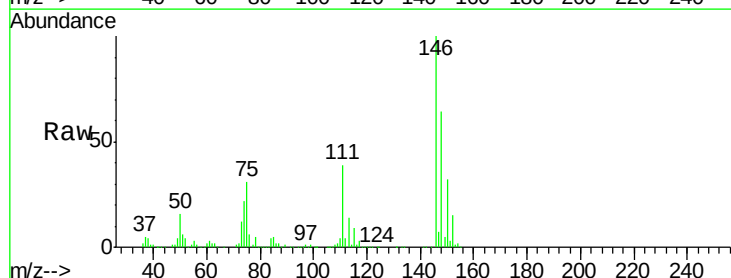
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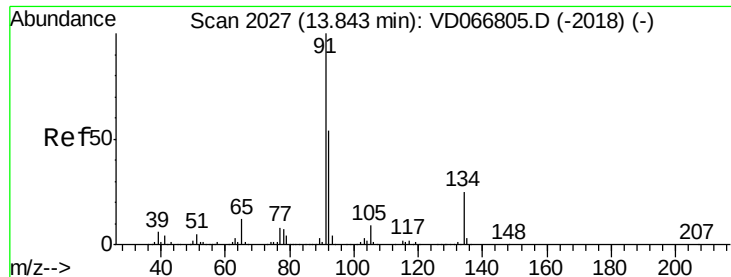
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#88
 1,4-Dichlorobenzene
 Concen: 53.936 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.2	60.5
148	64.6	31.6	94.7





#89

n-Butylbenzene

Concen: 54.256 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.01 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

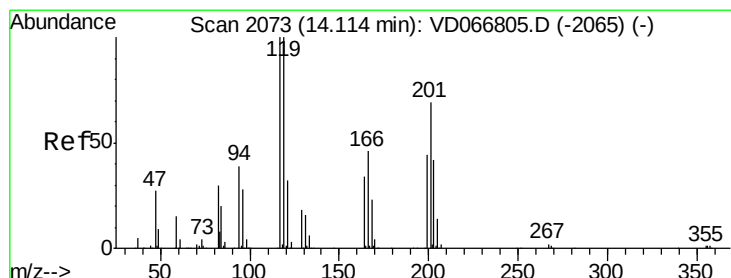
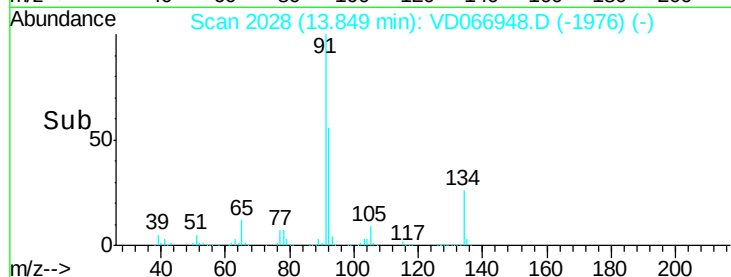
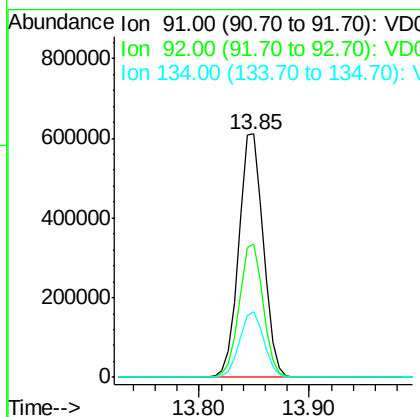
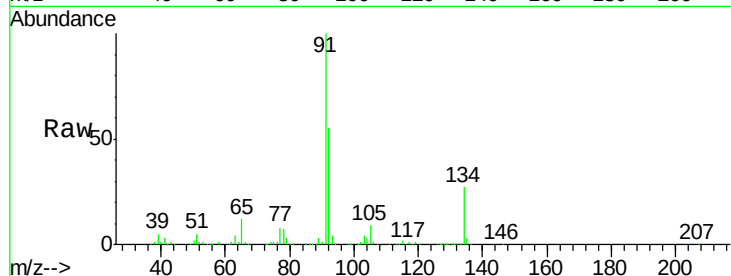
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		956303		
92	53.4	26.7	80.0		
134	26.7	13.1	39.1		

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#90

Hexachloroethane

Concen: 53.653 ug/l

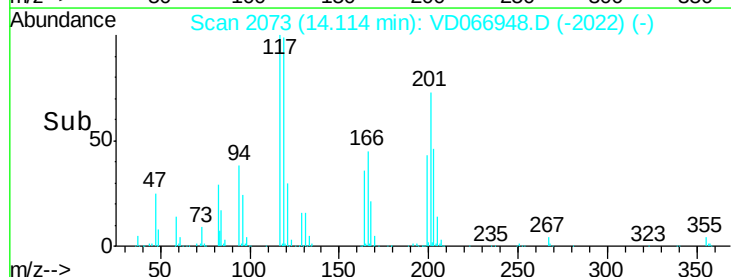
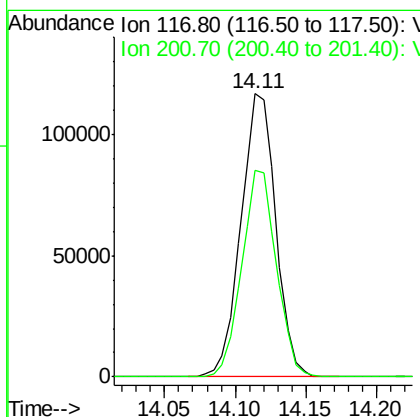
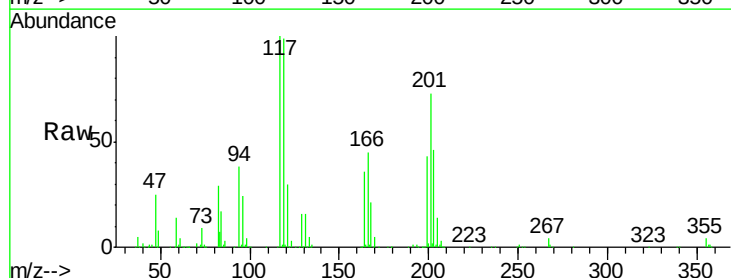
RT: 14.11 min Scan# 2073

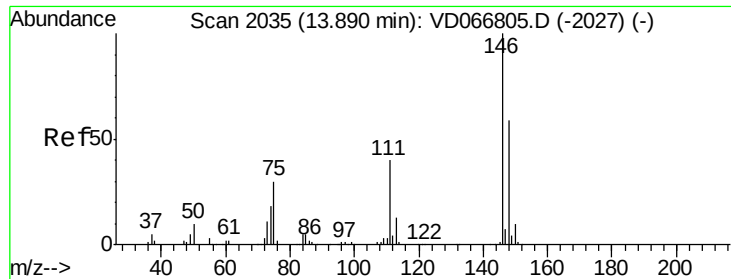
Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		201989		
201	72.4	33.7	101.0		





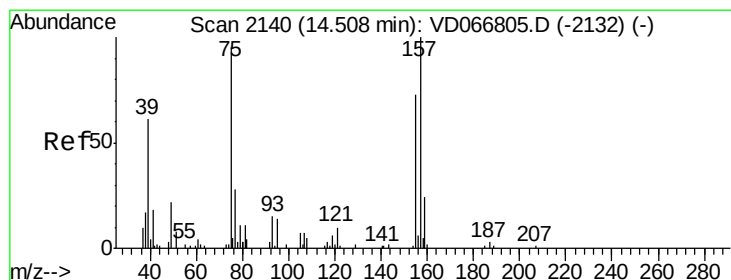
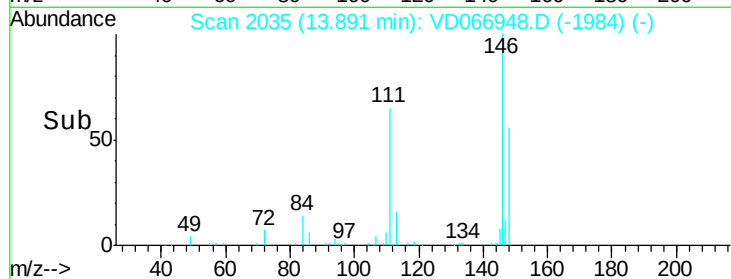
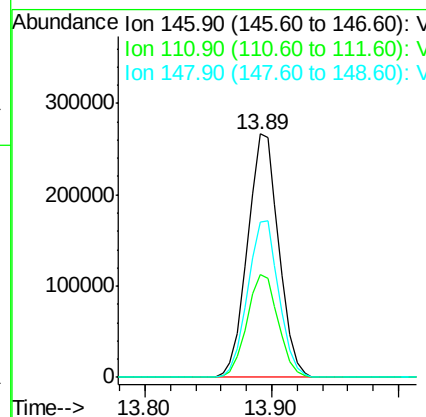
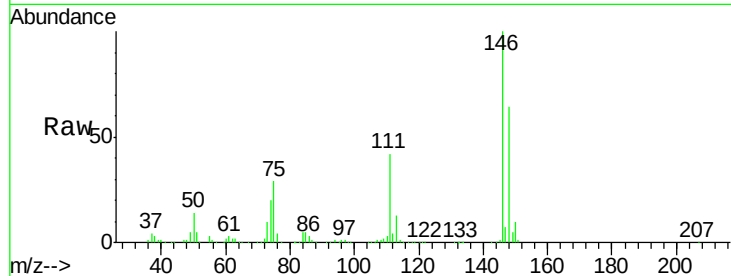
#91
 1,2-Dichlorobenzene
 Concen: 56.171 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	455612		
111	42.2	20.9	62.7	
148	64.2	31.8	95.3	

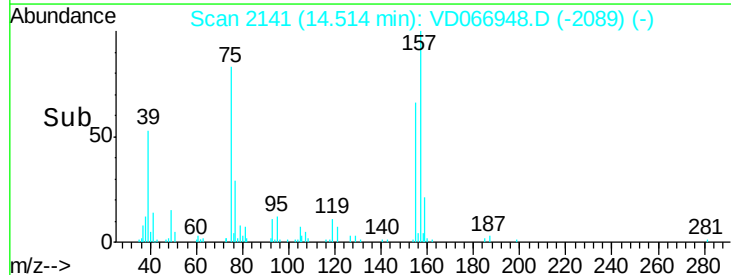
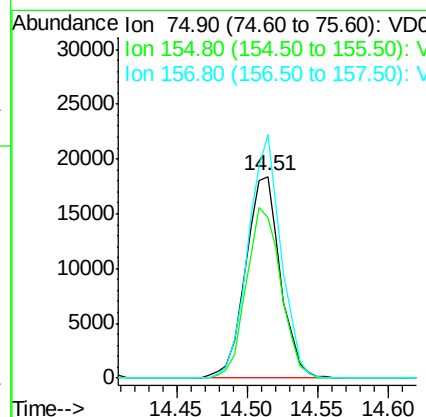
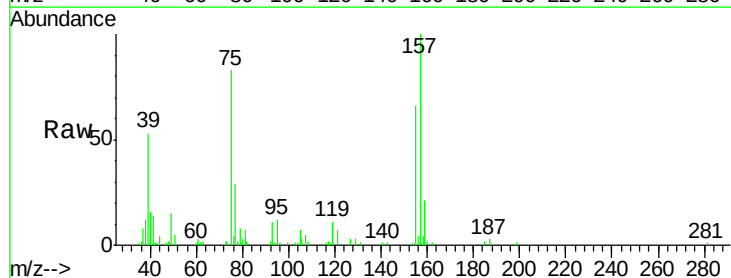
Manual Integrations
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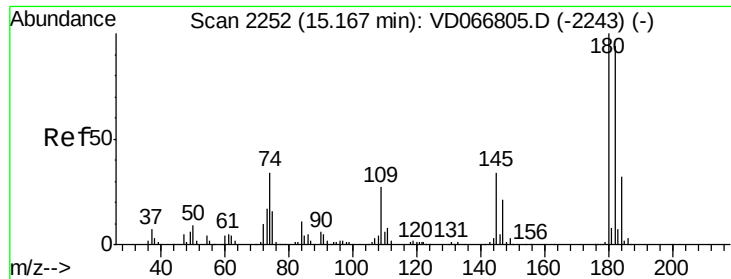
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 9/30/2020 1:21:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.571 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31650		
155	84.2	40.4	121.2	
157	113.8	51.3	153.9	





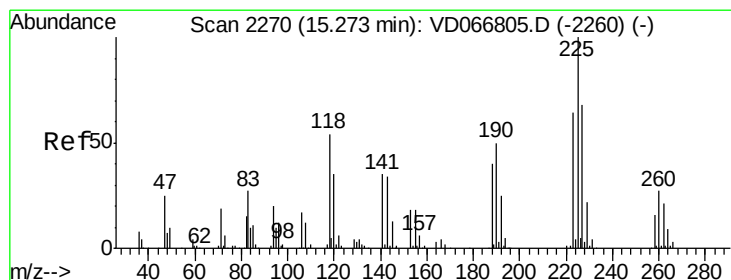
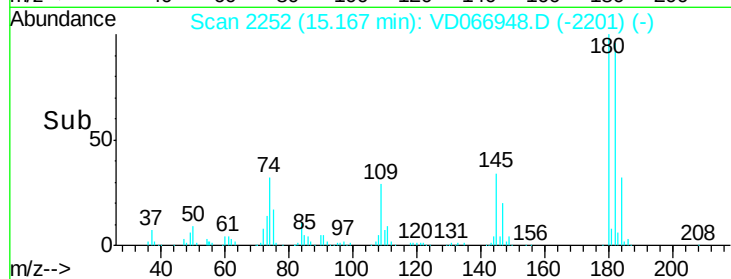
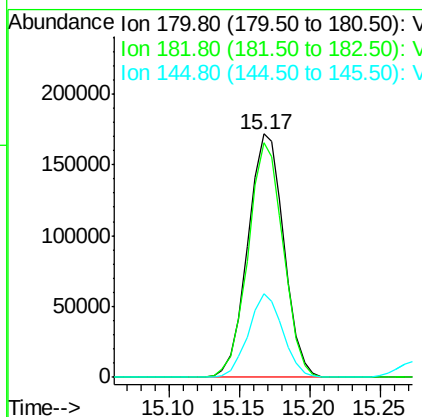
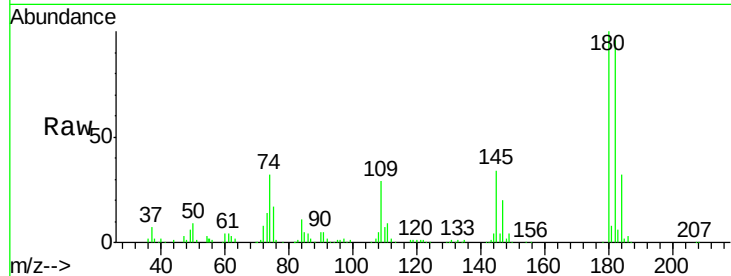
#93
 1,2,4-Trichlorobenzene
 Concen: 60.062 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	306680		
182	94.1	48.8	146.3	
145	32.7	16.7	50.0	

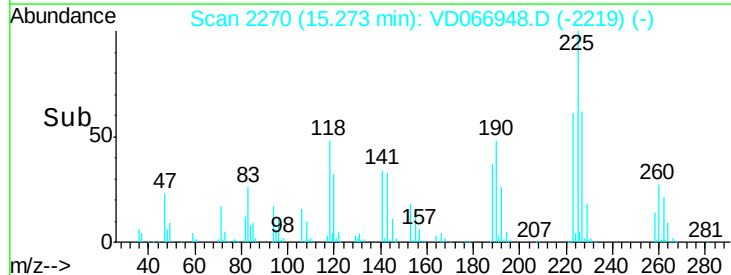
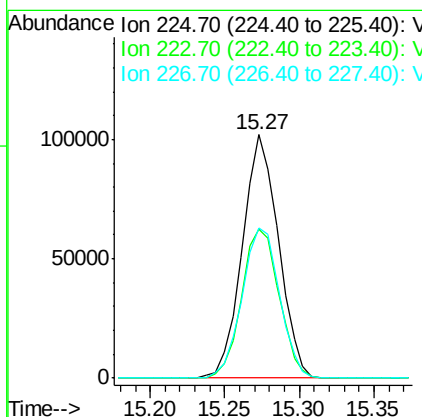
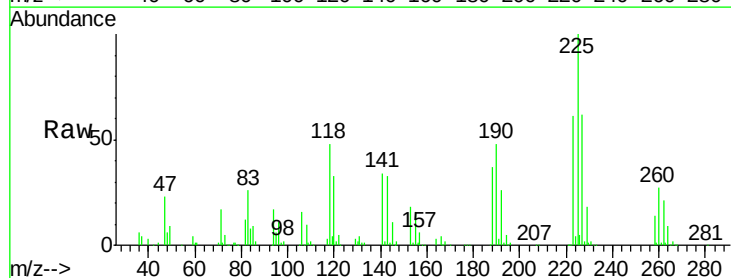
Manual Integrations
 APPROVED

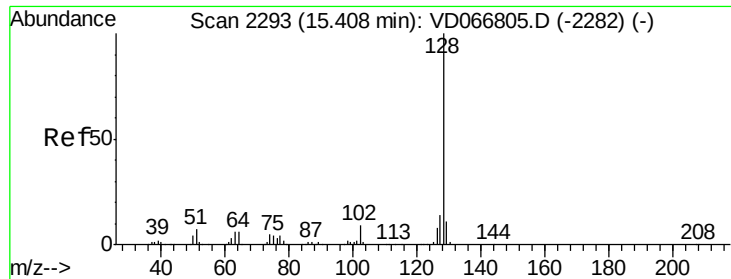
MMDadoda
 9/30/2020 1:21:59 PM



#94
 Hexachlorobutadiene
 Concen: 55.802 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066948.D
 Acq: 29 Sep 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	170739		
223	63.5	31.1	93.3	
227	64.0	31.7	95.1	





#95

Naphthalene

Concen: 64.263 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Instrument :

MSVOA_D

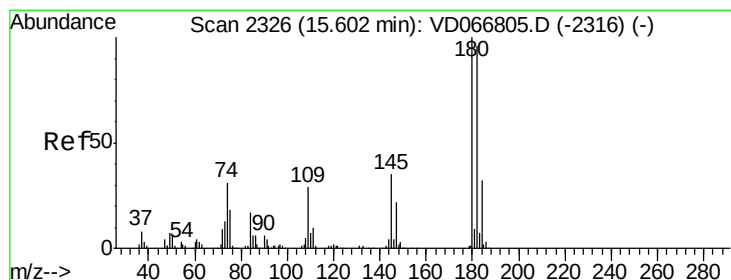
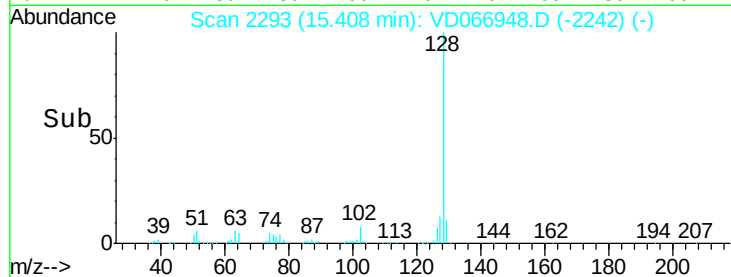
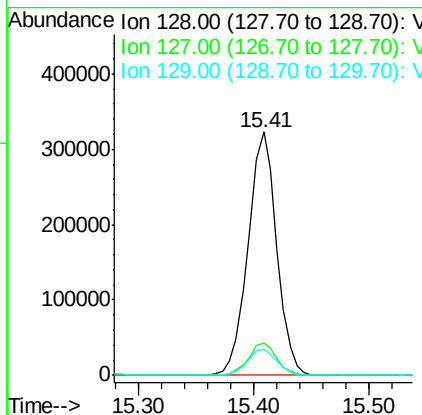
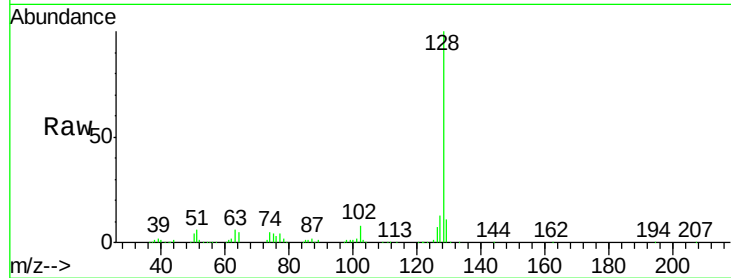
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	557085
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/30/2020 1:21:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 61.265 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066948.D

Acq: 29 Sep 2020 19:31

Tgt Ion:	180	Resp:	269997
Ion Ratio	Lower	Upper	
180	100		
182	94.7	46.8	140.3
145	32.7	17.0	51.0

