

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064808.D
 Acq On : 09 Jan 2020 10:25
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:41:52 AM

Quant Time: Jan 09 14:01:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	344248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	505367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	439824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220656	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	152987	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	7.91	113	155039	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.34	98	591513	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.64	95	190546	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	111515	41.683	ug/l	97
3) Chloromethane	2.21	50	170008	45.438	ug/l	97
4) Vinyl Chloride	2.35	62	204917	44.918	ug/l	100
5) Bromomethane	2.77	94	149252	44.996	ug/l	99
6) Chloroethane	2.93	64	146439	47.906	ug/l	98
7) Trichlorofluoromethane	3.27	101	335223	43.641	ug/l	98
8) Diethyl Ether	3.70	74	70223	46.037	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	151788	47.714	ug/l	97
10) Methyl Iodide	4.29	142	171559	50.206	ug/l	99
11) Tert butyl alcohol	5.25	59	37230	214.005	ug/l	99
12) 1,1-Dichloroethene	4.06	96	143011	47.219	ug/l	96
13) Acrolein	3.92	56	47535	196.061	ug/l	97
14) Allyl chloride	4.71	41	241671	51.179	ug/l	99
15) Acrylonitrile	5.43	53	152049	239.311	ug/l	99
16) Acetone	4.16	43	186858	298.707	ug/l	94
17) Carbon Disulfide	4.40	76	431578	44.070	ug/l	99
18) Methyl Acetate	4.72	43	78534	45.954	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	327420	48.672	ug/l	99
20) Methylene Chloride	4.96	84	164153	53.187	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	172379	49.977	ug/l	99
22) Diisopropyl ether	6.37	45	486857	51.692	ug/l	98
23) Vinyl Acetate	6.31	43	1341784	251.141	ug/l	99
24) 1,1-Dichloroethane	6.26	63	297867	52.680	ug/l	99
25) 2-Butanone	7.22	43	208972	250.447	ug/l	98
26) 2,2-Dichloropropane	7.21	77	273578	52.040	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	188470	50.631	ug/l	98
28) Bromochloromethane	7.54	49	113118	51.465	ug/l	99
29) Tetrahydrofuran	7.57	42	120473	232.174	ug/l	98
30) Chloroform	7.71	83	307724	51.873	ug/l	99
31) Cyclohexane	7.98	56	245300	43.340	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	282619	50.722	ug/l	99
36) 1,1-Dichloropropene	8.11	75	236986	48.721	ug/l	99
37) Ethyl Acetate	7.30	43	87898	45.999	ug/l	99
38) Carbon Tetrachloride	8.10	117	260938	50.310	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	266014	45.153	ug/l	99
40) Benzene	8.35	78	669627	50.429	ug/l	100
41) Methacrylonitrile	7.53	41	41880	37.774	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	196769	51.280	ug/l	98
43) Isopropyl Acetate	8.46	43	172873	45.452	ug/l	98
44) Trichloroethene	9.11	130	192386	49.319	ug/l	100
45) 1,2-Dichloropropane	9.38	63	162487	51.251	ug/l	97
46) Dibromomethane	9.47	93	85200	48.200	ug/l	96
47) Bromodichloromethane	9.66	83	237318	50.455	ug/l	96
48) Methyl methacrylate	9.46	41	82693	46.175	ug/l	92
49) 1,4-Dioxane	9.46	88	17971	881.713	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	434562	231.154	ug/l	100
52) Toluene	10.40	92	437635	50.235	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	221190	50.439	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	260926	50.461	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	116682	48.981	ug/l	97
56) Ethyl methacrylate	10.66	69	136614	45.920	ug/l	96
57) 1,3-Dichloropropane	10.95	76	197298	48.102	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	258486	228.050	ug/l	100
59) 2-Hexanone	10.98	43	323864	253.818	ug/l	100
60) Dibromochloromethane	11.14	129	160741	48.795	ug/l	99
61) 1,2-Dibromoethane	11.25	107	109911	46.779	ug/l	100
64) Tetrachloroethene	10.87	164	161574	47.884	ug/l	96
65) Chlorobenzene	11.67	112	455015	49.846	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	177328	51.529	ug/l	99
67) Ethyl Benzene	11.75	91	833074	50.280	ug/l	97
68) m/p-Xylenes	11.86	106	655306	102.469	ug/l	99
69) o-Xylene	12.18	106	295676	51.186	ug/l	97
70) Styrene	12.20	104	518962	51.183	ug/l	99
71) Bromoform	12.37	173	93142	47.461	ug/l #	100
73) Isopropylbenzene	12.48	105	799578	50.707	ug/l	99
74) N-amyl acetate	12.29	43	153880	45.652	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	117779	47.547	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	74334m	42.661	ug/l	
77) Bromobenzene	12.77	156	190864	49.261	ug/l	99
78) n-propylbenzene	12.83	91	938075	50.993	ug/l	98
79) 2-Chlorotoluene	12.91	91	515152	50.977	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	664817	51.325	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	39832	47.811	ug/l	97
82) 4-Chlorotoluene	13.01	91	541797	50.379	ug/l	100
83) tert-Butylbenzene	13.23	119	563231	50.080	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	660318	51.186	ug/l	98
85) sec-Butylbenzene	13.41	105	772968	50.133	ug/l	100
86) p-Isopropyltoluene	13.53	119	739538	50.162	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	372975	50.496	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	358892	49.461	ug/l	99
89) n-Butylbenzene	13.85	91	675206	50.857	ug/l	99
90) Hexachloroethane	14.12	117	144356	51.259	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	310178	49.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18587	46.286	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	220310	47.506	ug/l	99
94) Hexachlorobutadiene	15.28	225	137629	47.162	ug/l	99
95) Naphthalene	15.41	128	333787	45.496	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	186393	47.080	ug/l	98

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

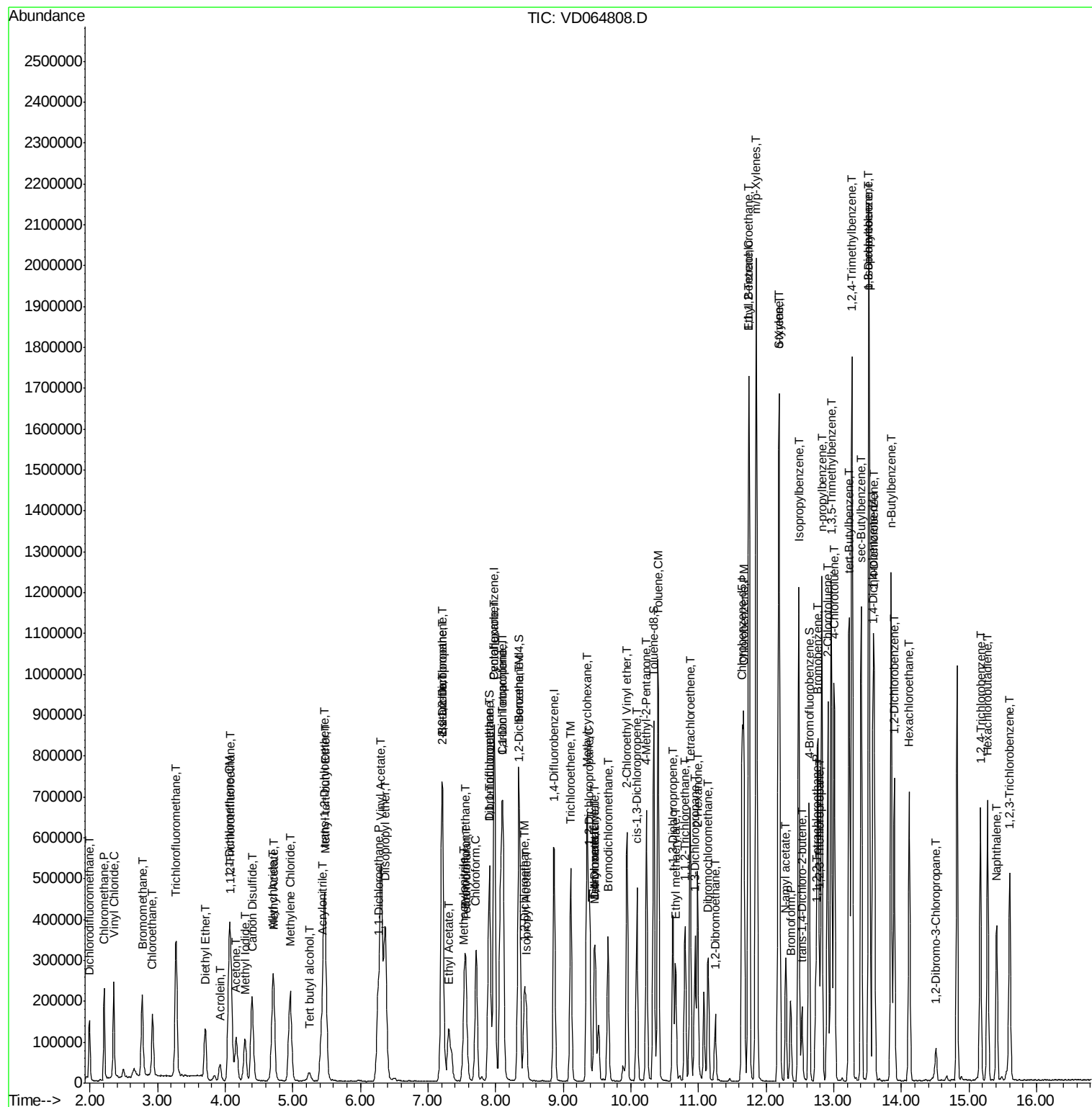
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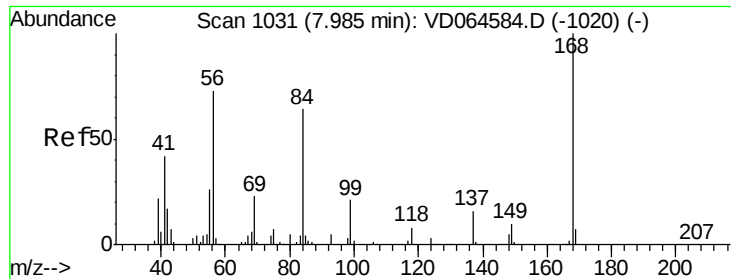
Instrument :
 MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 344248

Ion Ratio Lower Upper

168 100

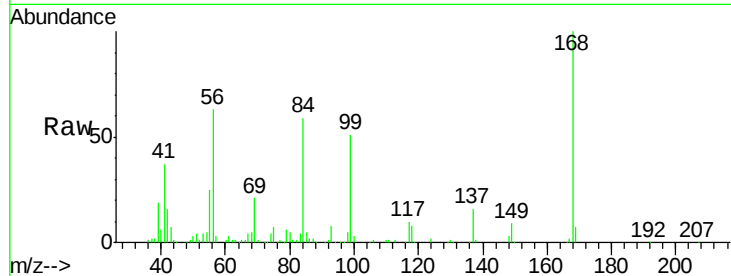
99 51.3 41.8 62.6

Manual Integrations

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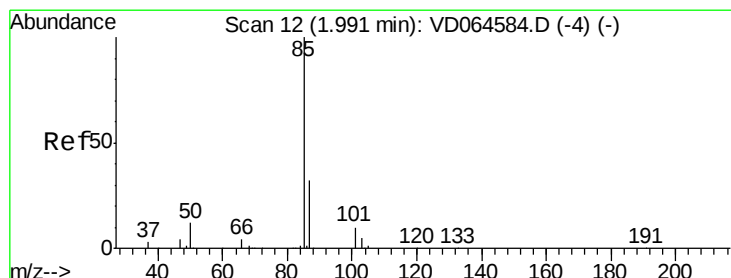
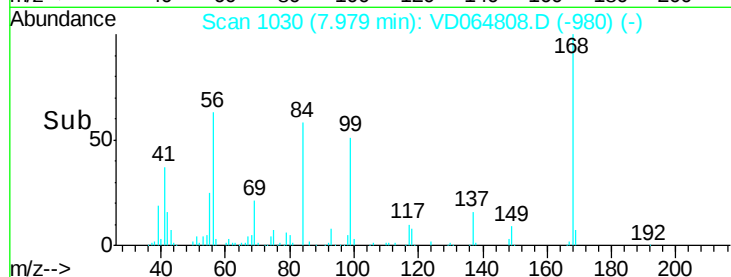
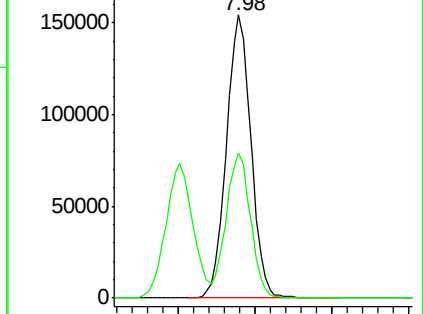
MMDadoda

1/10/2020 10:41:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 41.683 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064808.D

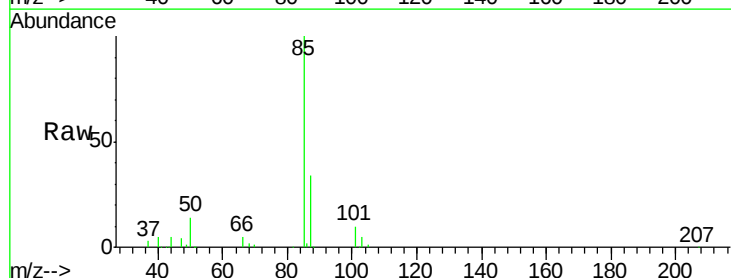
Acq: 09 Jan 2020 10:25

Tgt Ion: 85 Resp: 111515

Ion Ratio Lower Upper

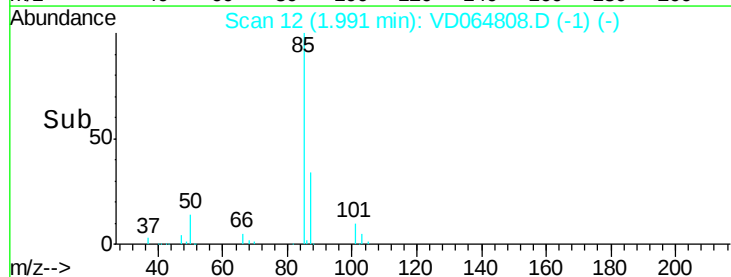
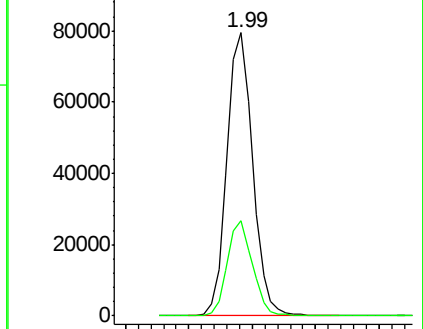
85 100

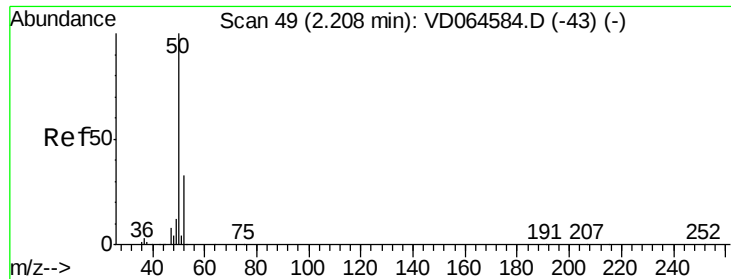
87 33.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.438 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 170008

Ion Ratio Lower Upper

50 100

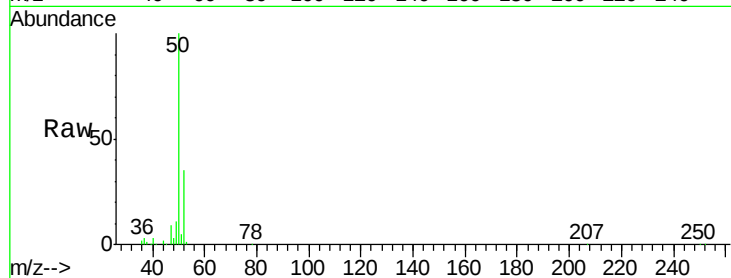
52 35.0 26.5 39.7

Manual Integrations

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1/10/2020 10:41:52 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

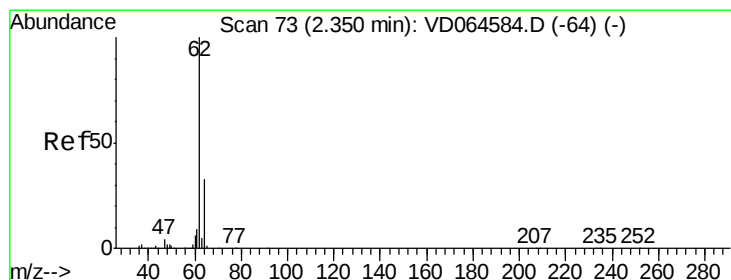
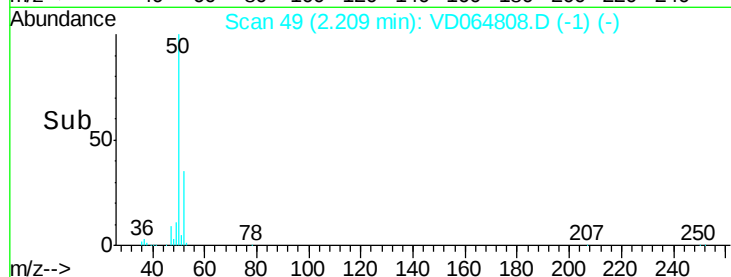
150000

100000

50000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 44.918 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064808.D

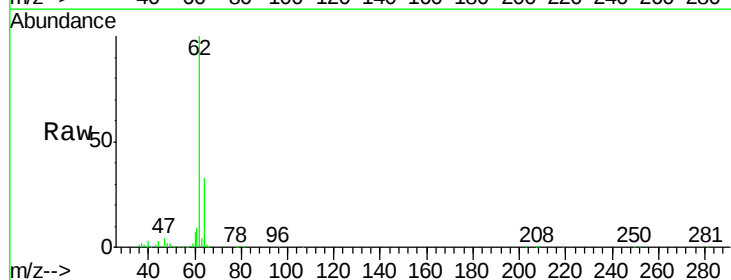
Acq: 09 Jan 2020 10:25

Tgt Ion: 62 Resp: 204917

Ion Ratio Lower Upper

62 100

64 33.1 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

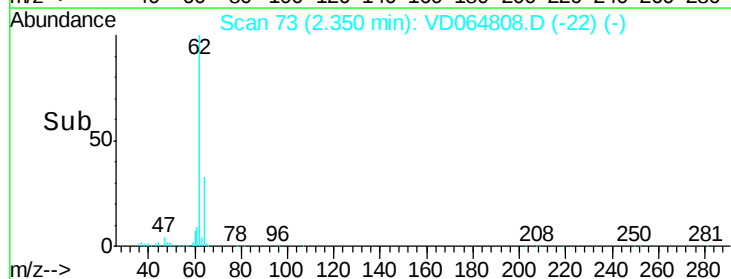
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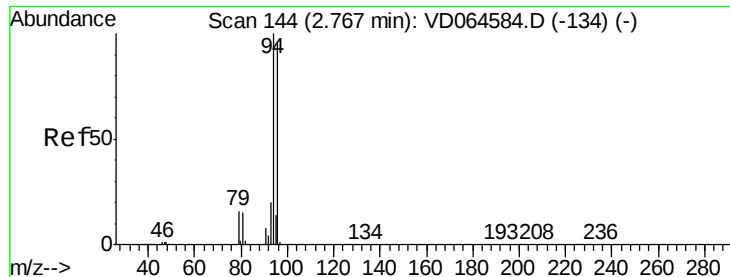
100000

50000

0

Time--> 2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 44.996 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 149252

Ion Ratio Lower Upper

94 100

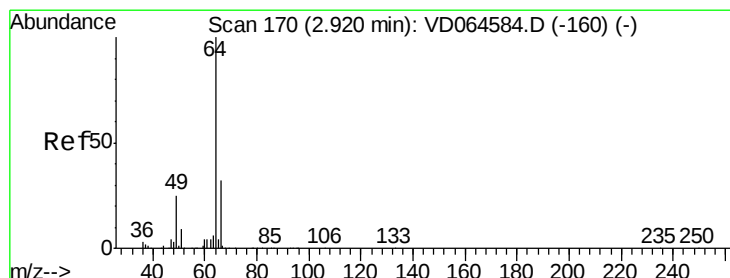
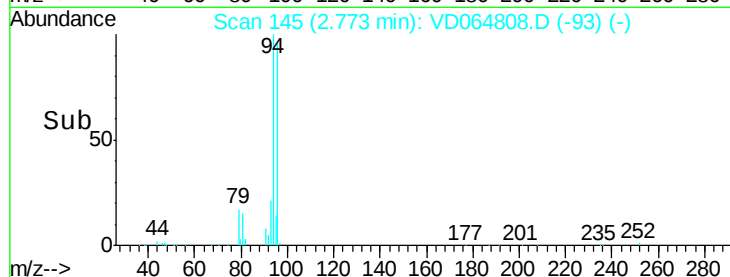
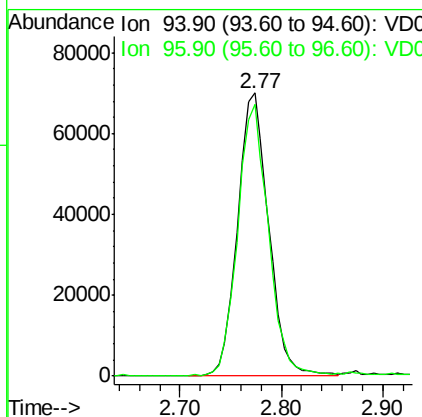
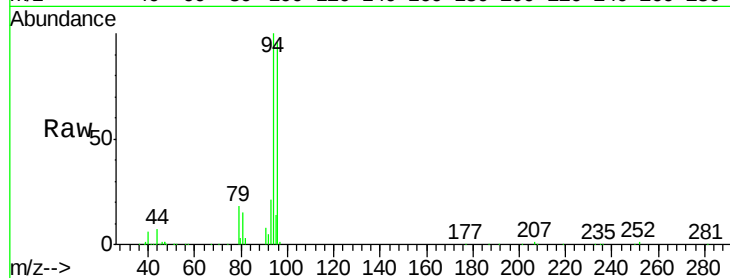
96 95.5 77.2 115.8

Manual Integrations

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#6

Chloroethane

Concen: 47.906 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064808.D

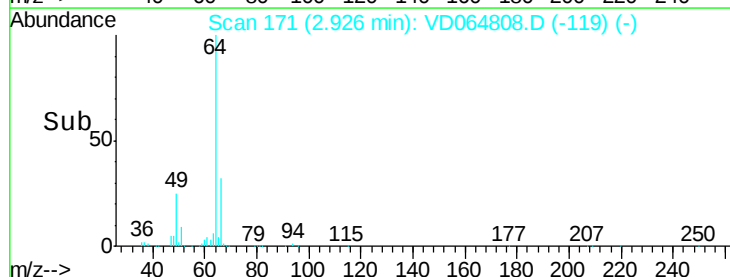
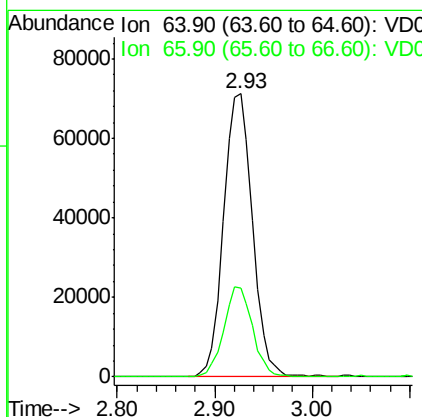
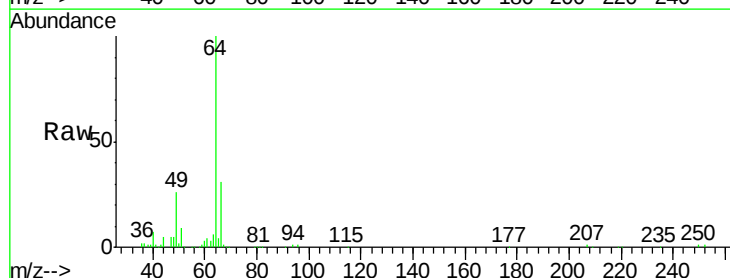
Acq: 09 Jan 2020 10:25

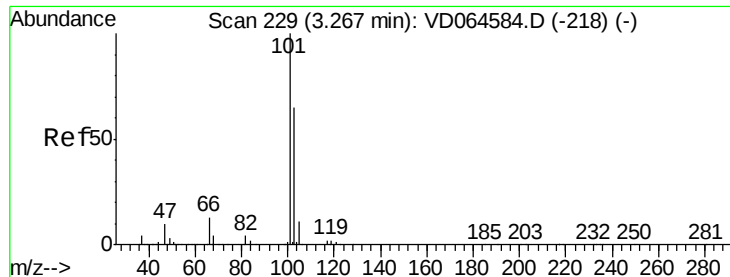
Tgt Ion: 64 Resp: 146439

Ion Ratio Lower Upper

64 100

66 31.5 25.9 38.9





#7

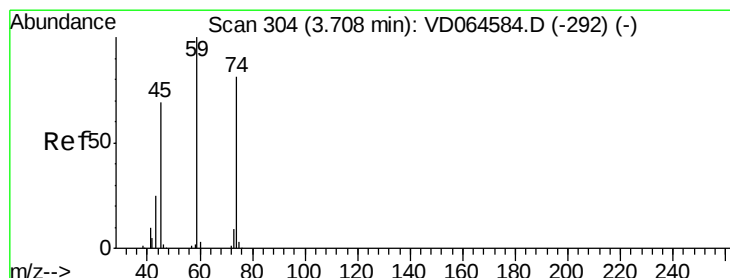
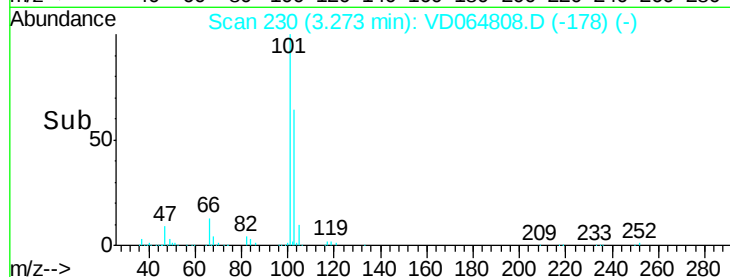
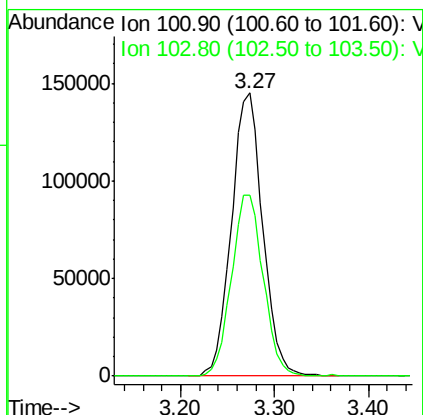
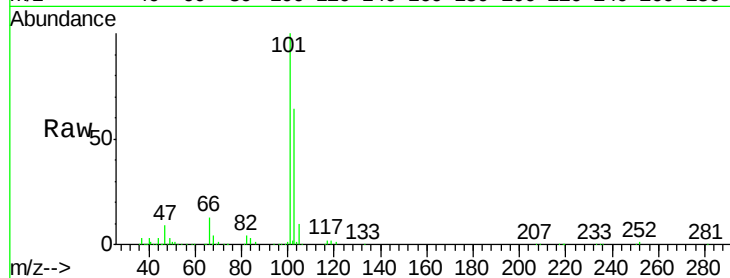
Trichlorofluoromethane
Concen: 43.641 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.4

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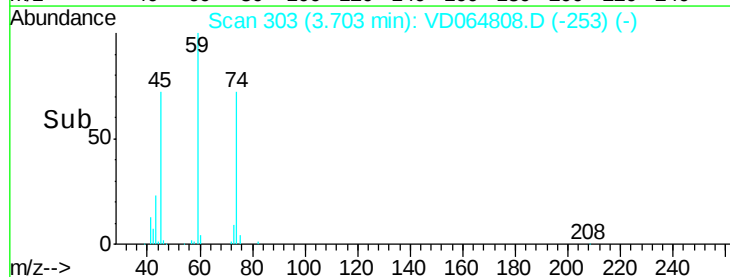
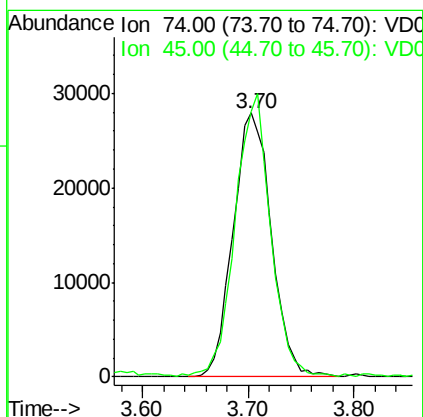
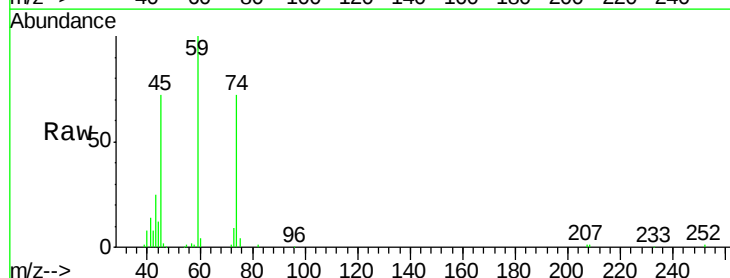
MMDadoda
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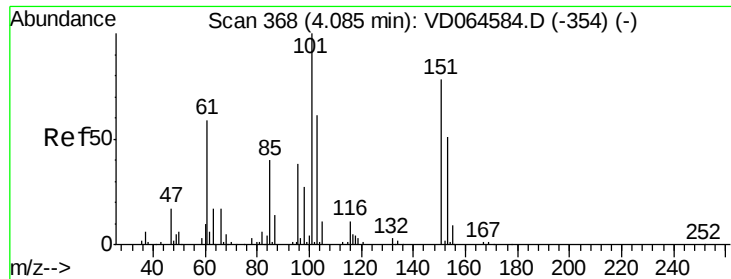


#8

Diethyl Ether
Concen: 46.037 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.714 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

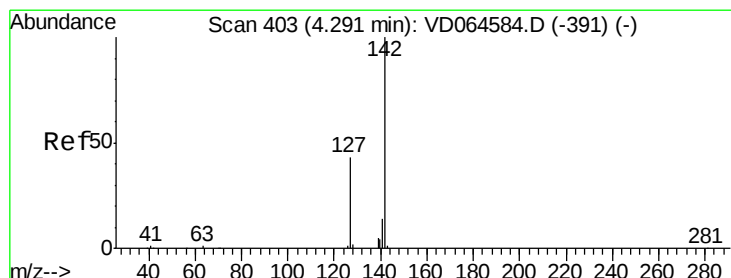
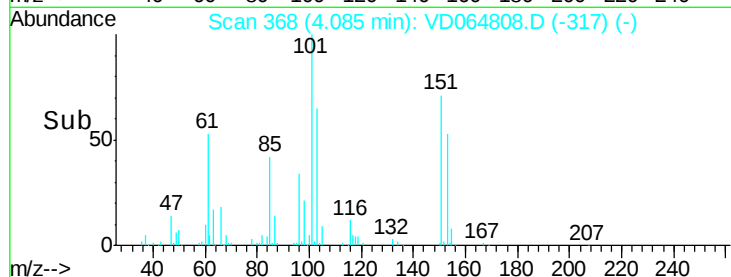
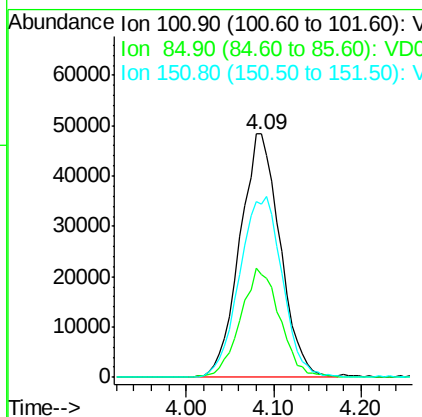
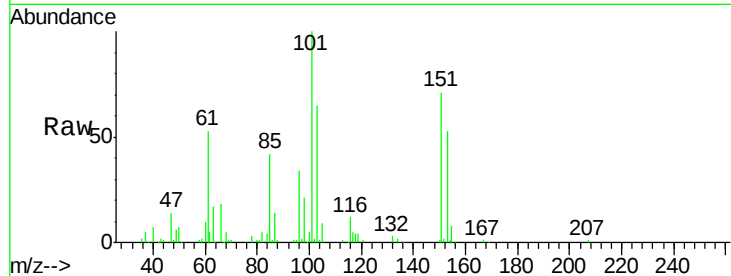
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	151788
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.2	52.8
151	78.9	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 50.206 ug/l

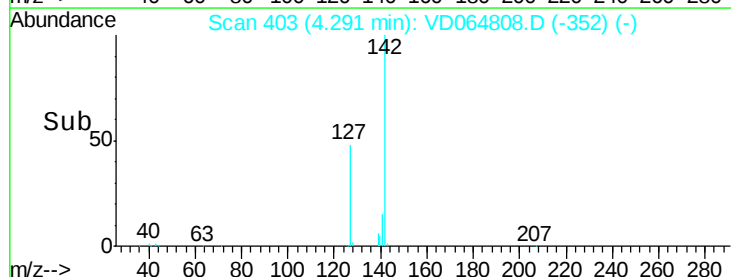
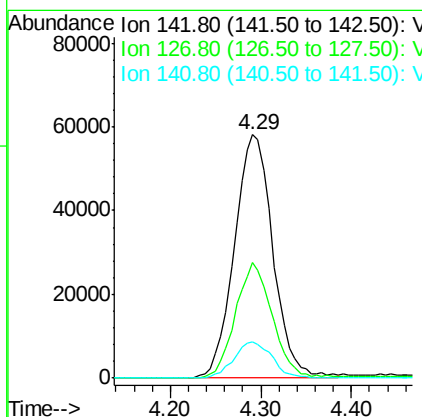
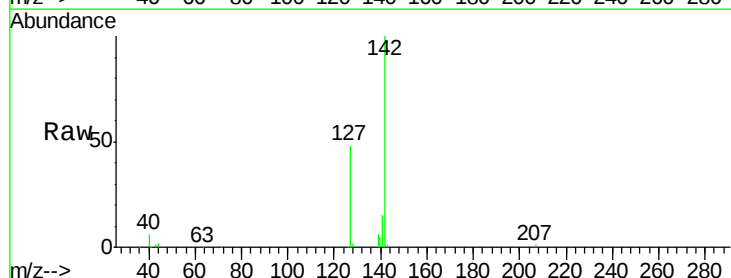
RT: 4.29 min Scan# 403

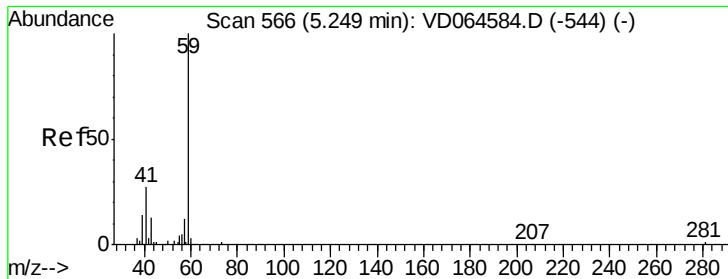
Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Tgt Ion:	142	Resp:	171559
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.2	54.4
141	14.7	11.8	17.8





#11

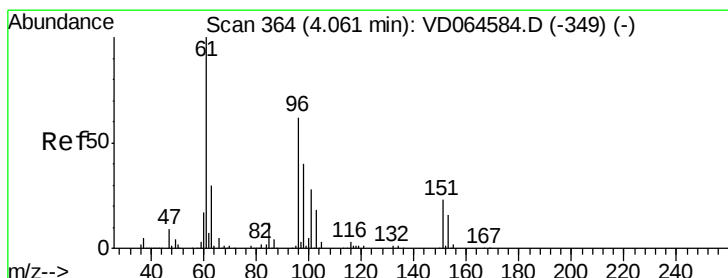
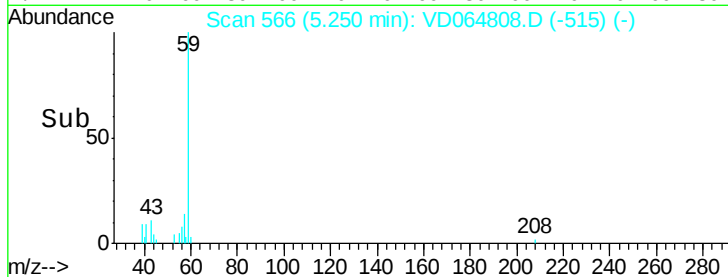
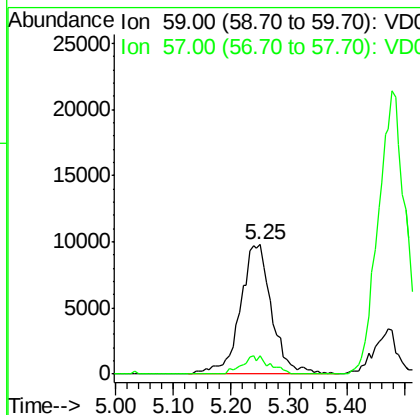
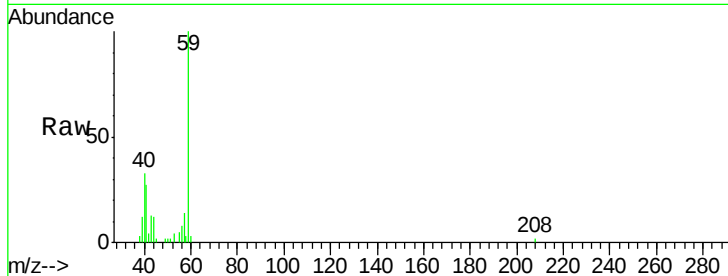
Tert butyl alcohol
 Concen: 214.005 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	37230
Ion Ratio	100	Lower	Upper
57	12.1	9.3	13.9

Manual Integrations
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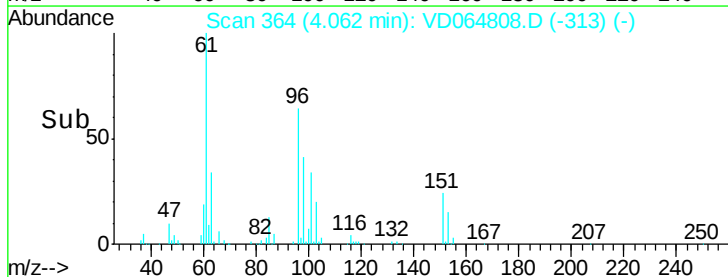
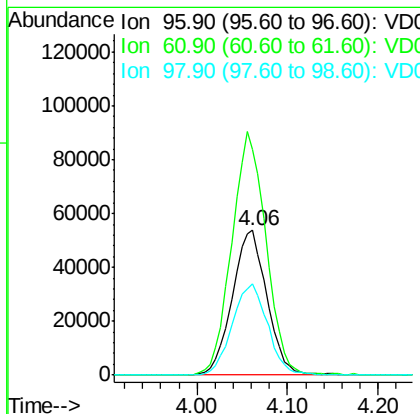
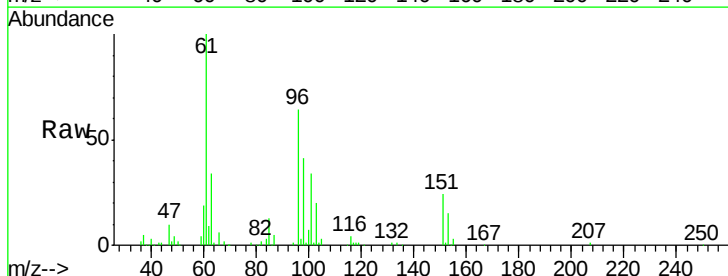
MMDadoda
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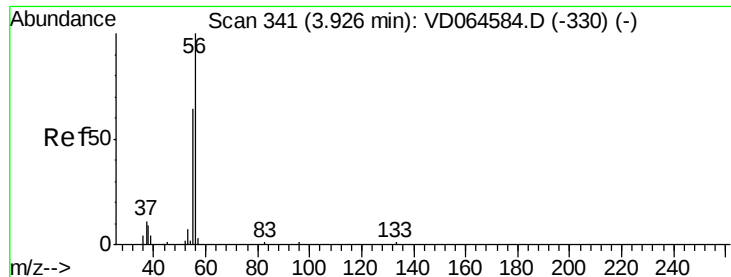


#12

1,1-Dichloroethene
 Concen: 47.219 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion	96	Resp	143011
Ion Ratio	100	Lower	Upper
61	155.9	129.4	194.0
98	63.2	51.4	77.0





#13

Acrolein

Concen: 196.061 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 47535

Ion Ratio Lower Upper

56 100

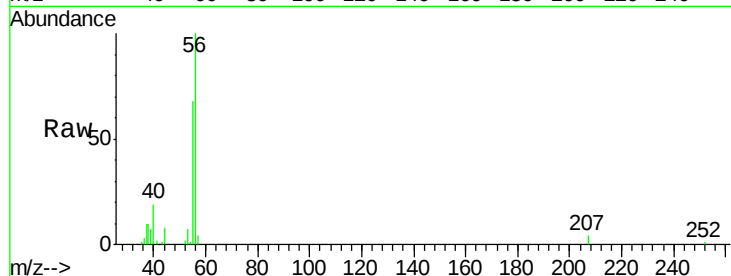
55 68.5 56.7 85.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

20000

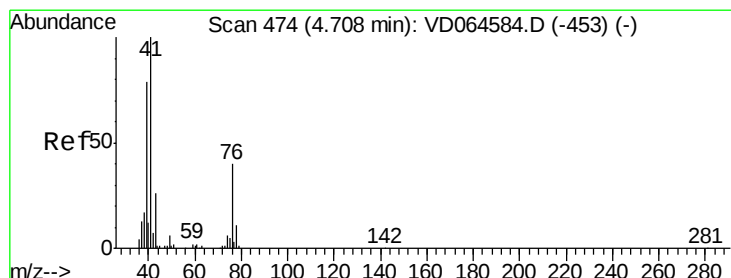
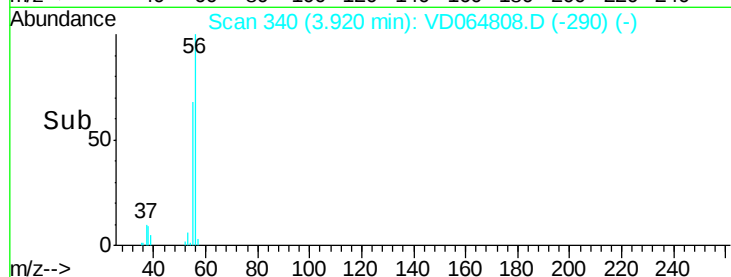
15000

10000

5000

0

Time--> 3.80 3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 51.179 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

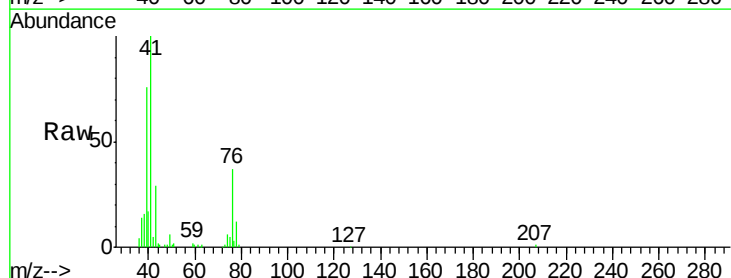
Tgt Ion: 41 Resp: 241671

Ion Ratio Lower Upper

41 100

39 76.7 62.3 93.5

76 37.3 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

100000

80000

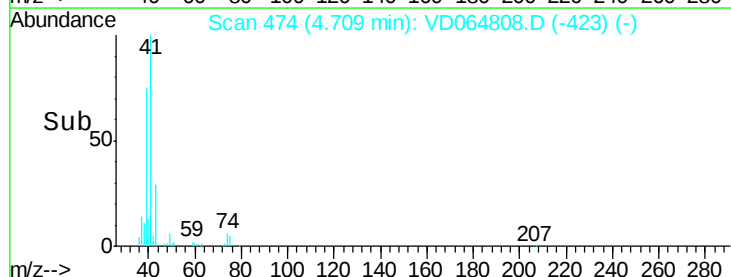
60000

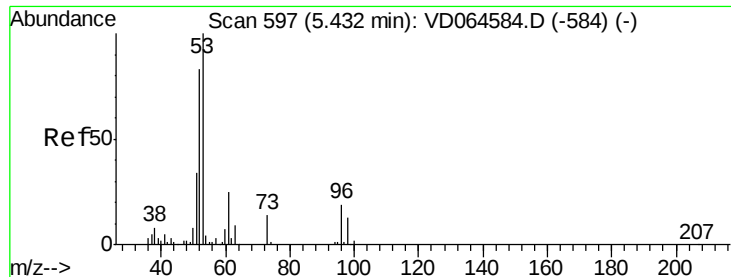
40000

20000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 239.311 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

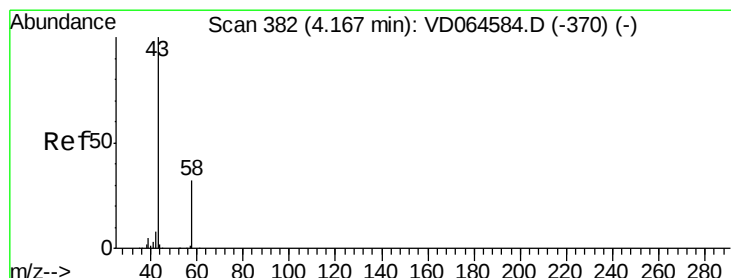
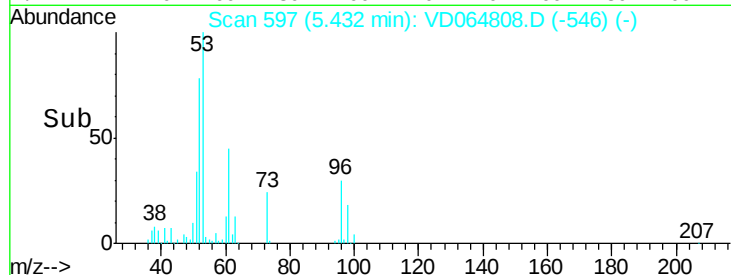
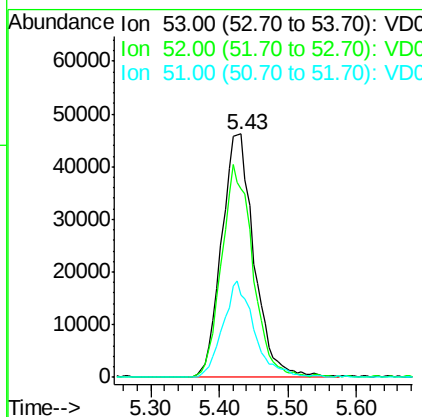
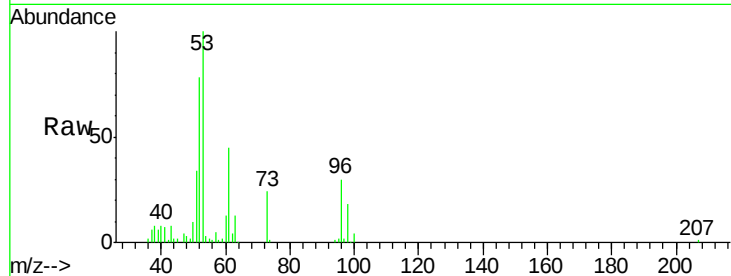
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	152049
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.2	99.2
51	38.0	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 298.707 ug/l

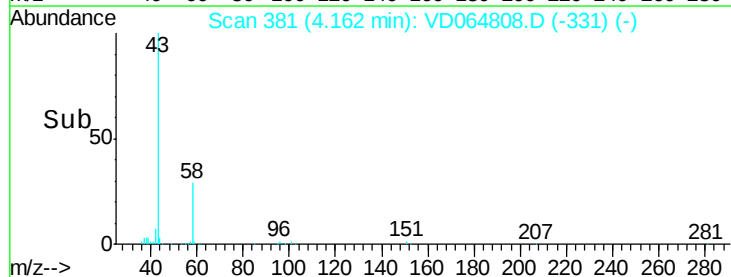
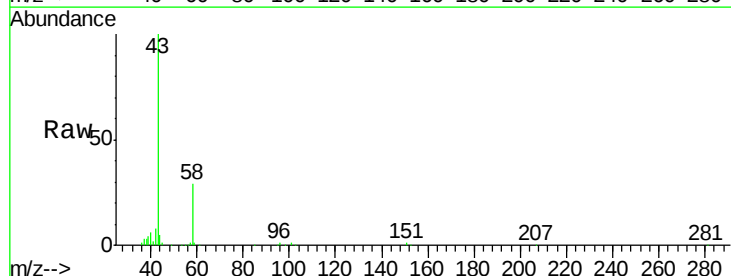
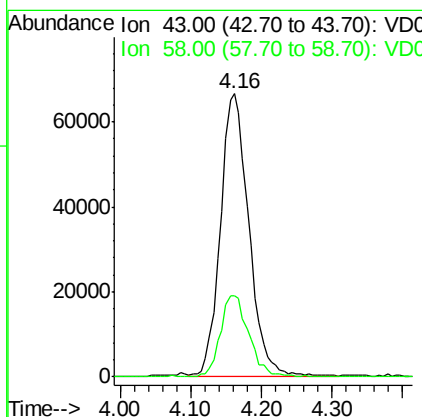
RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Tgt Ion:	43	Resp:	186858
Ion	Ratio	Lower	Upper
43	100		
58	28.9	25.8	38.6





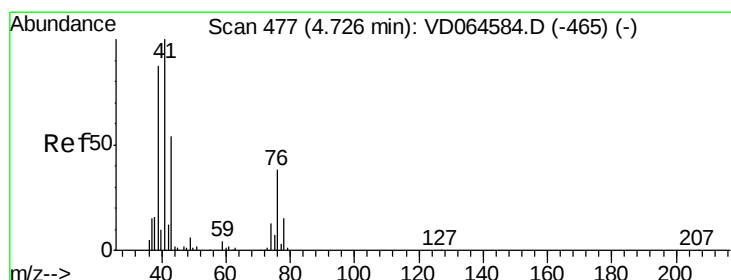
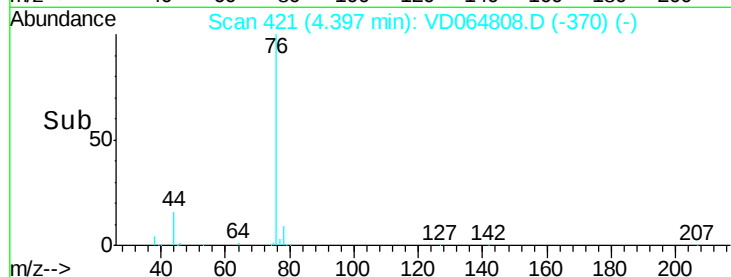
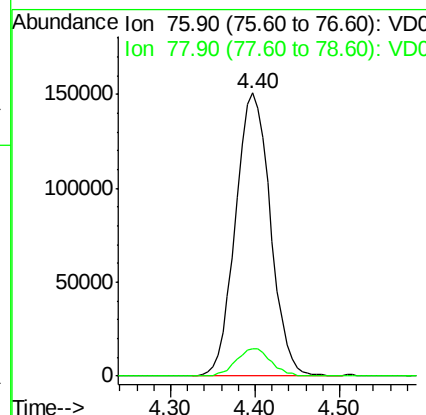
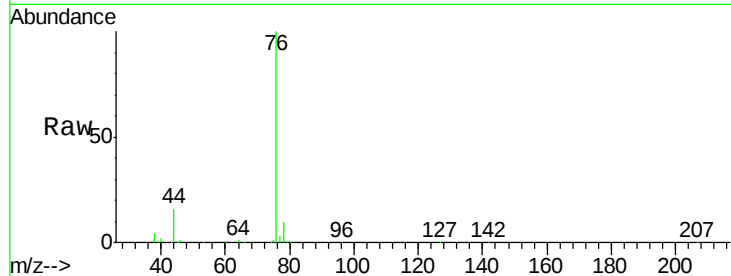
#17
Carbon Disulfide
Concen: 44.070 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9

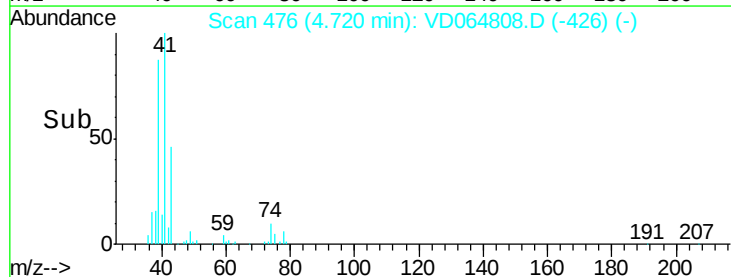
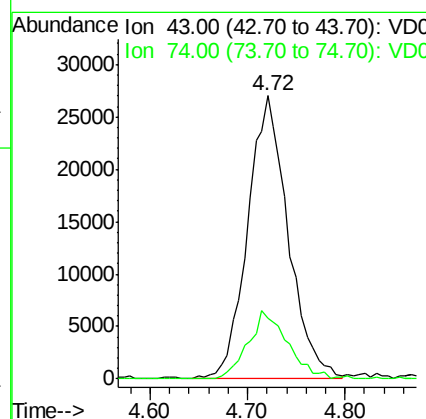
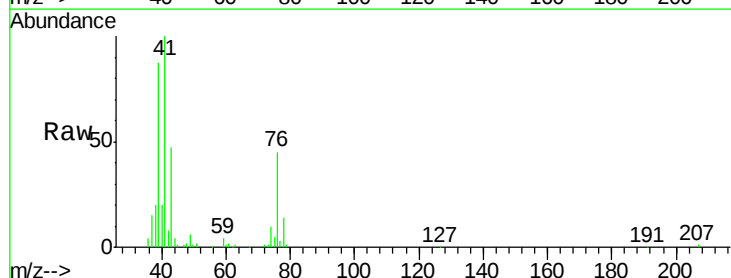
Manual Integrations
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1/10/2020 10:41:52 AM



#18
Methyl Acetate
Concen: 45.954 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8





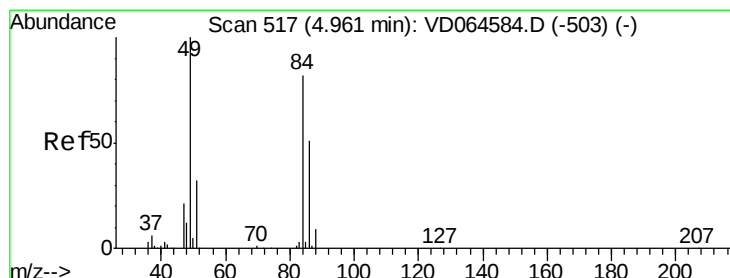
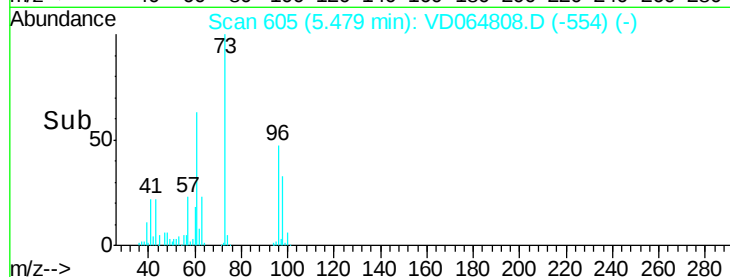
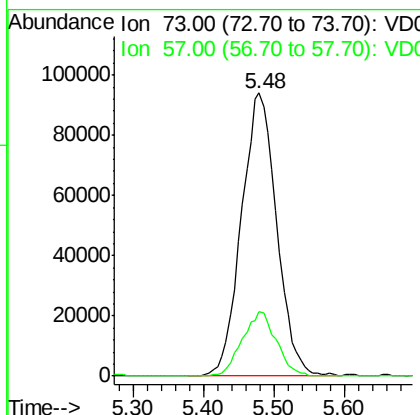
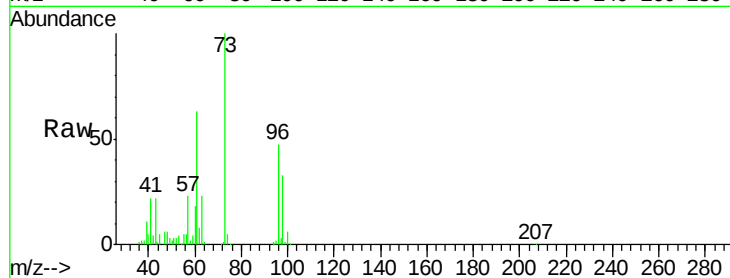
#19
Methyl tert-butyl Ether
Concen: 48.672 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.6	27.8

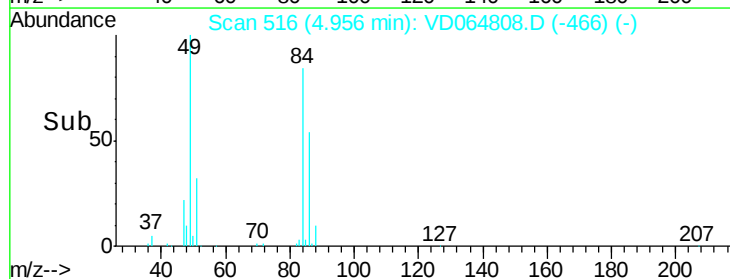
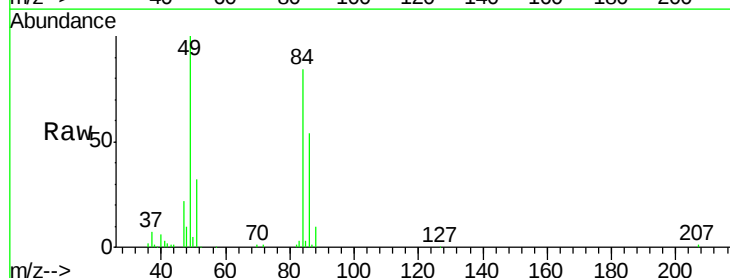
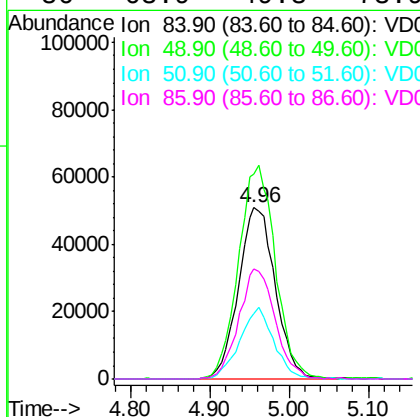
Manual Integrations
APPROVED

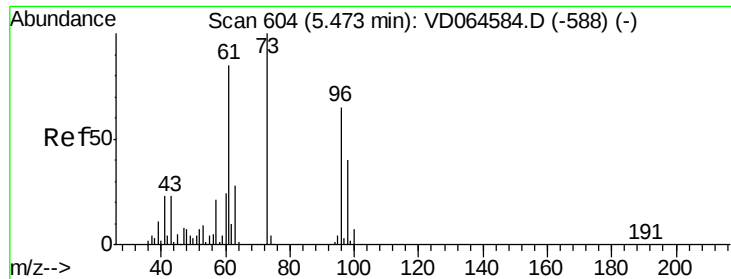
MMDadoda
1/10/2020 10:41:52 AM



#20
Methylene Chloride
Concen: 53.187 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.3	97.2	145.8
51	38.0	31.4	47.0
86	63.9	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 49.977 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 172379

Ion Ratio Lower Upper

96 100

61 129.0 104.7 157.1

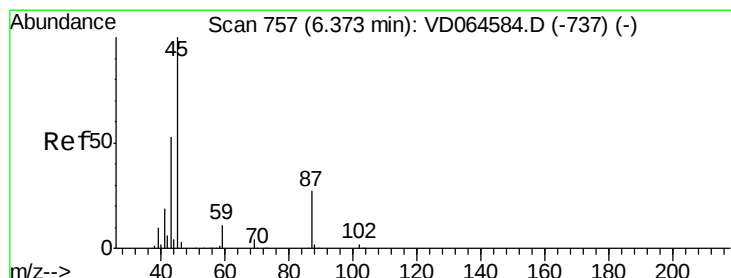
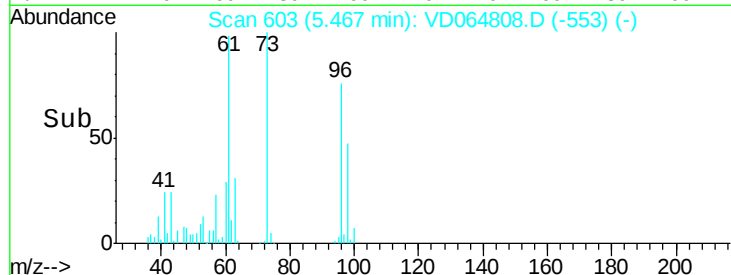
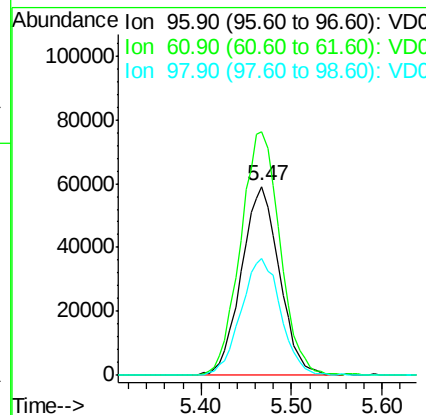
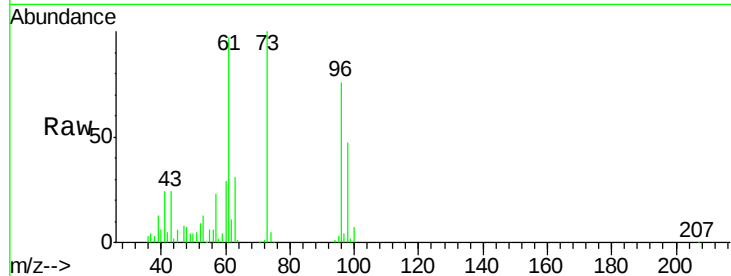
98 61.7 49.4 74.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 51.692 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Tgt Ion: 45 Resp: 486857

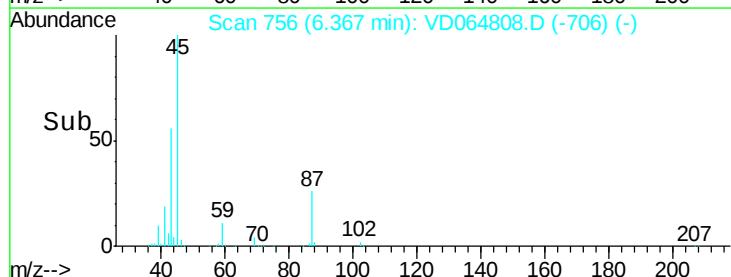
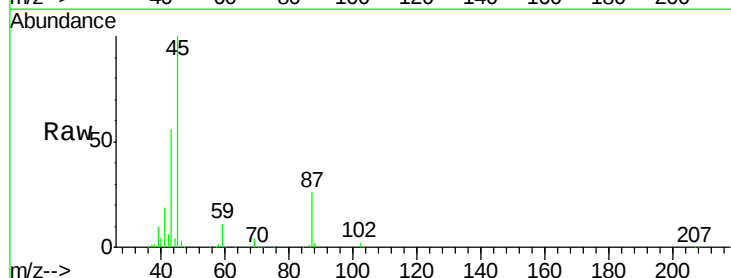
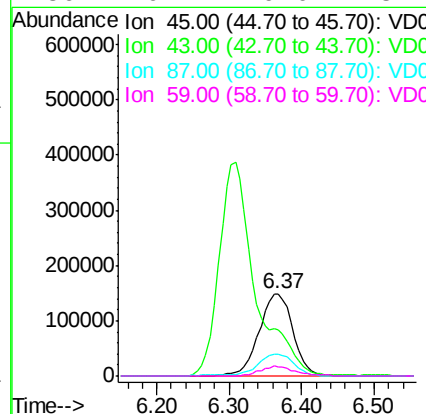
Ion Ratio Lower Upper

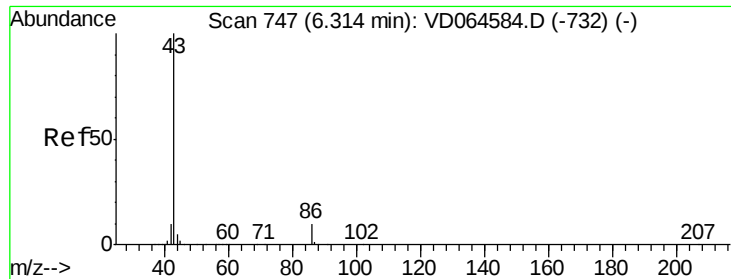
45 100

43 55.1 43.2 64.8

87 25.6 21.9 32.9

59 10.7 9.0 13.4





#23

Vinyl Acetate

Concen: 251.141 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1341784

Ion Ratio Lower Upper

43 100

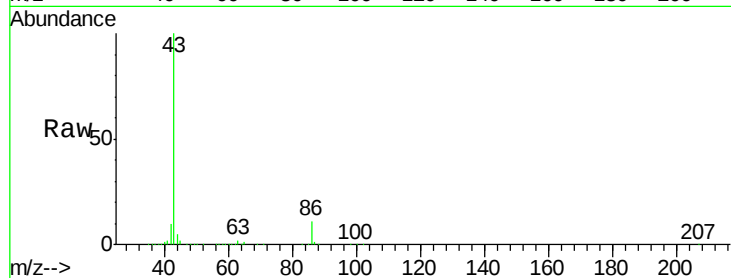
86 10.8 8.3 12.5

Manual Integrations

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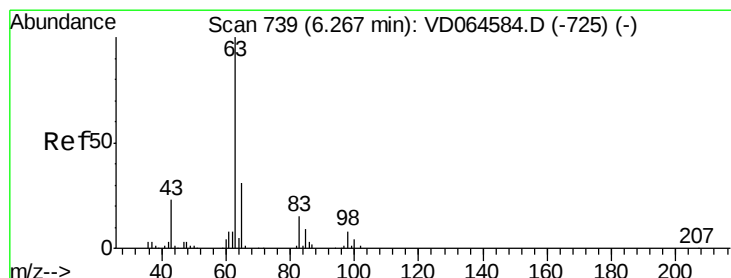
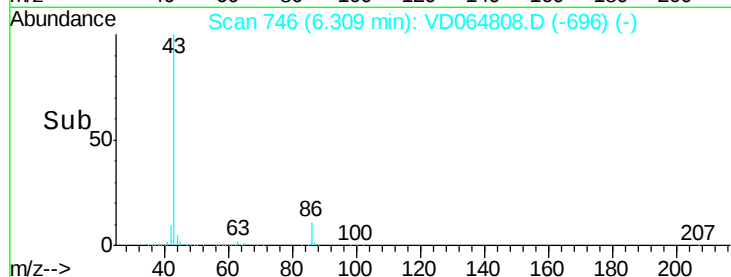
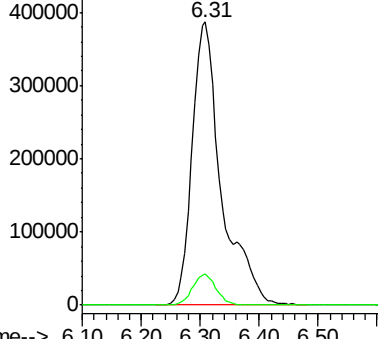
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.680 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

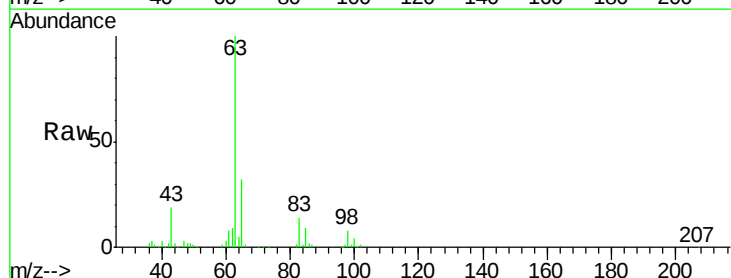
Tgt Ion: 63 Resp: 297867

Ion Ratio Lower Upper

63 100

98 7.9 4.1 12.3

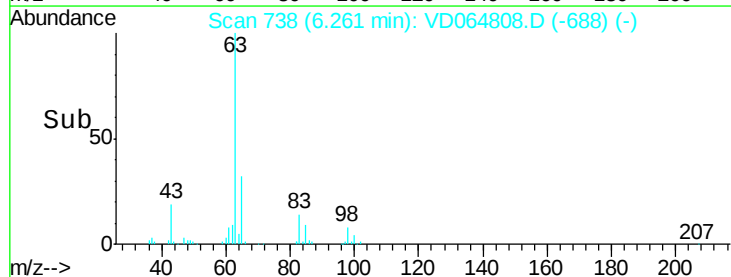
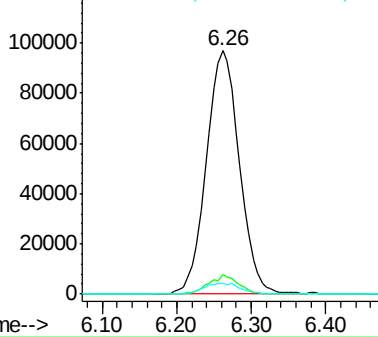
100 4.4 2.2 6.6

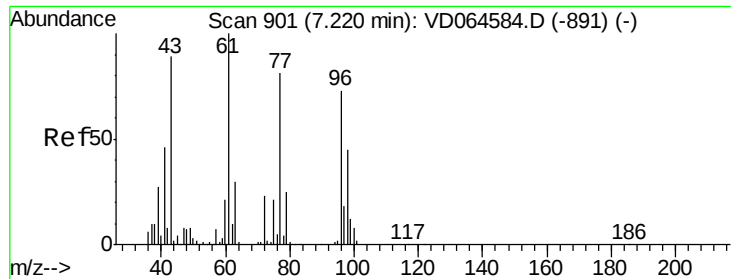


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





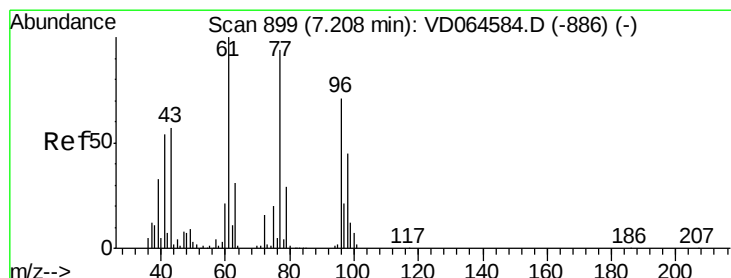
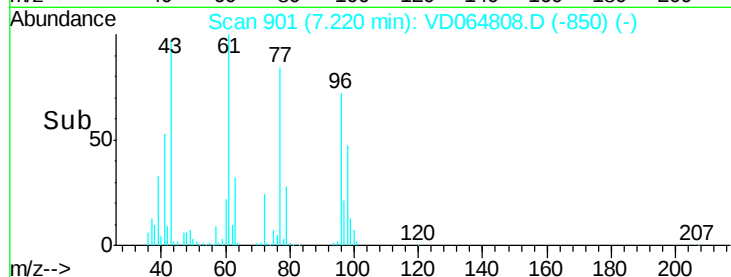
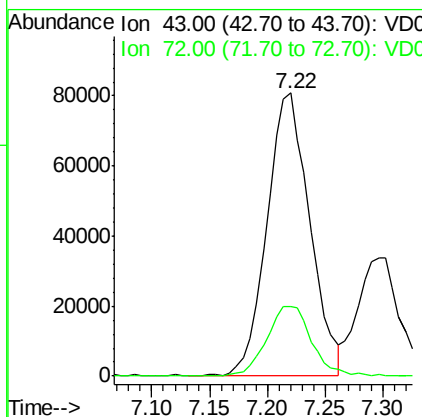
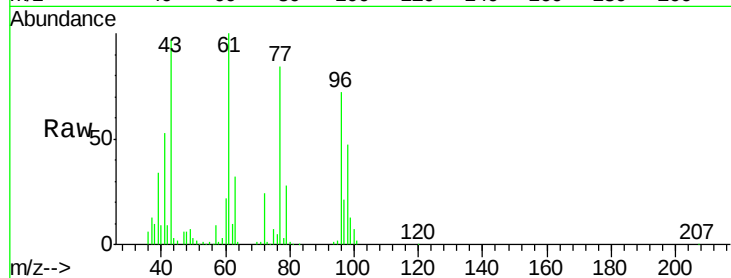
#25
2-Butanone
Concen: 250.447 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 208972
Ion Ratio Lower Upper
43 100
72 24.7 20.7 31.1

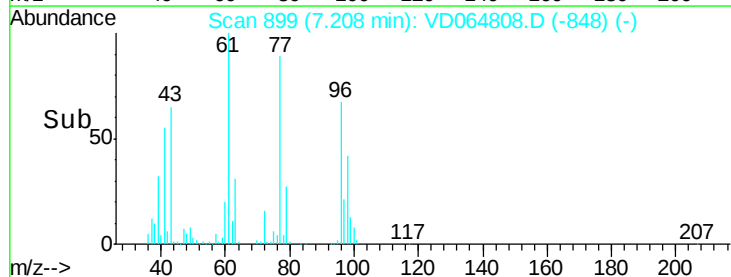
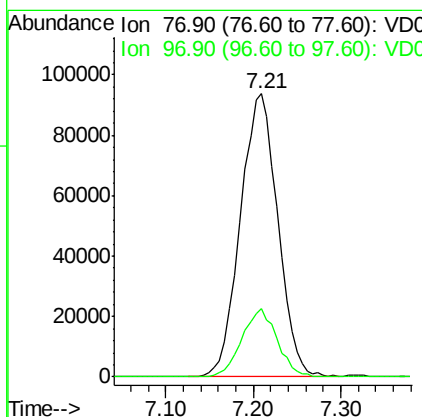
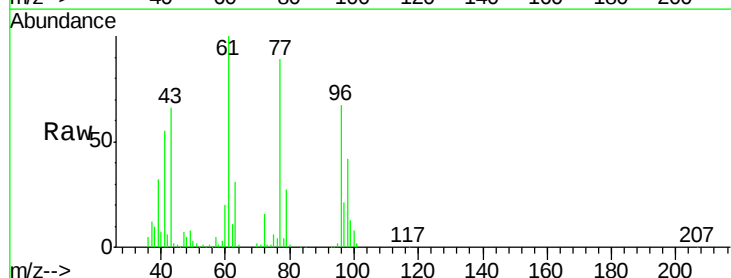
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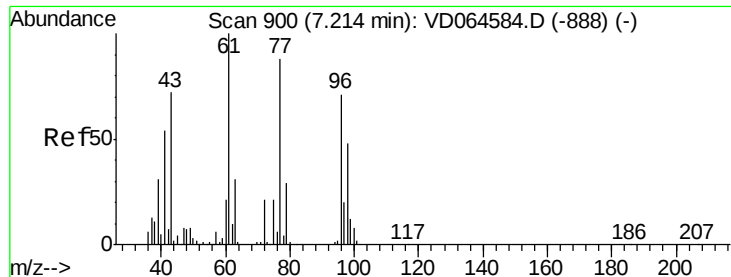
MMDadoda
1/10/2020 10:41:52 AM



#26
2,2-Dichloropropane
Concen: 52.040 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 77 Resp: 273578
Ion Ratio Lower Upper
77 100
97 22.6 11.2 33.6





#27

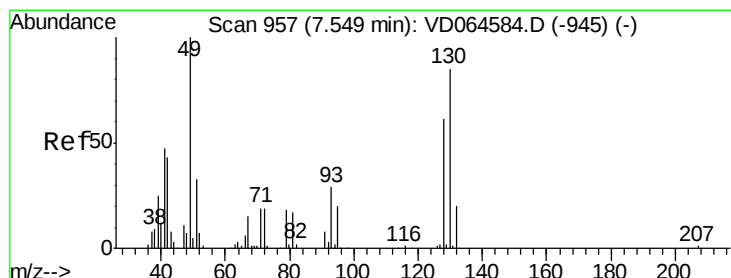
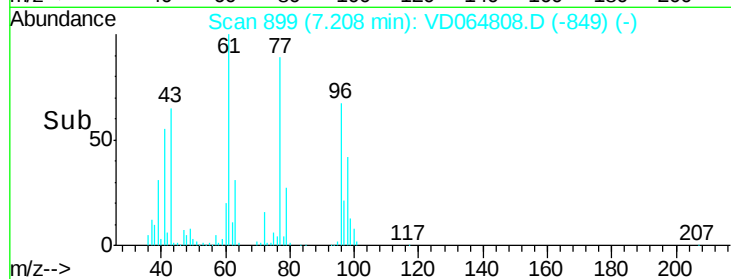
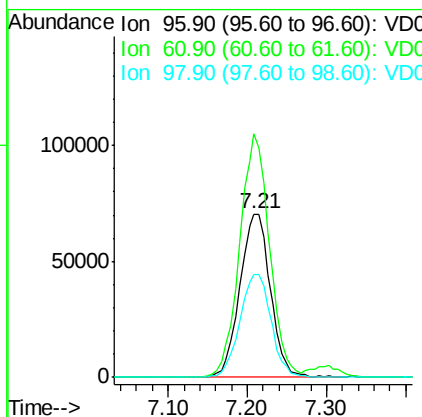
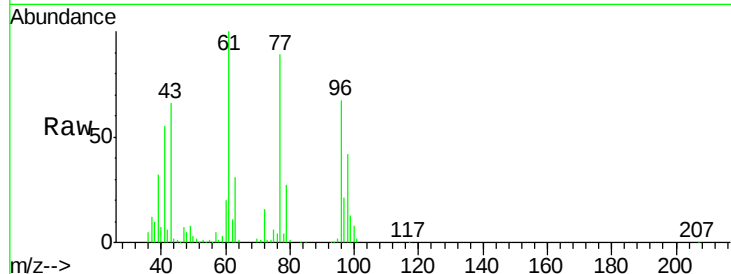
cis-1,2-Dichloroethene
 Concen: 50.631 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	188470		
61	145.1	0.0	282.6	
98	64.6	0.0	130.8	

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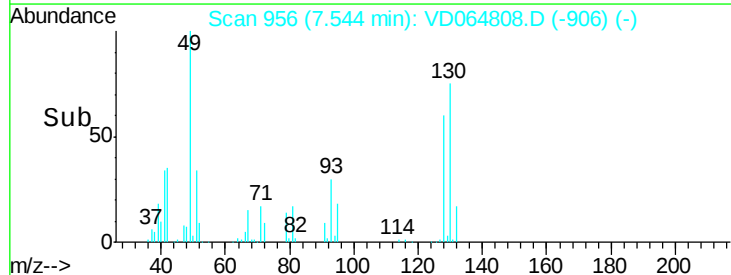
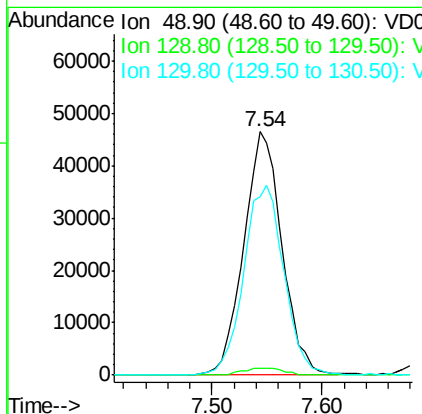
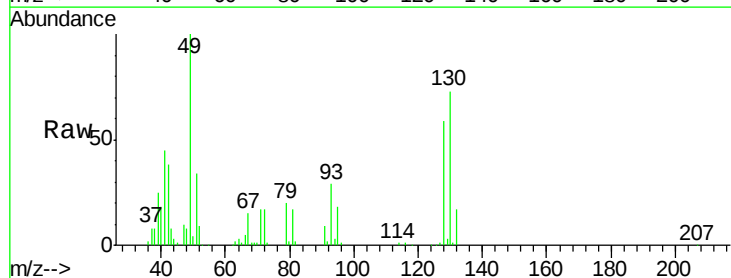
MMDadoda
 1/10/2020 10:41:52 AM

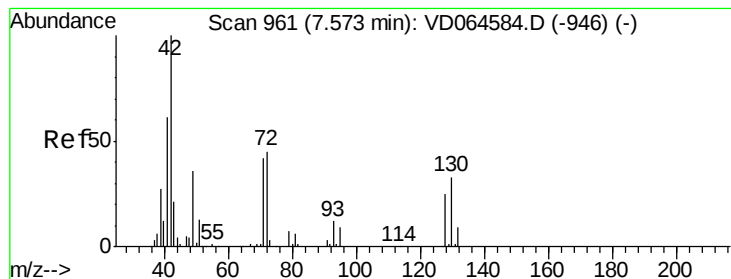


#28

Bromochloromethane
 Concen: 51.465 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	113118		
129	3.1	0.0	4.8	
130	81.8	65.0	97.6	





#29

Tetrahydrofuran

Concen: 232.174 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

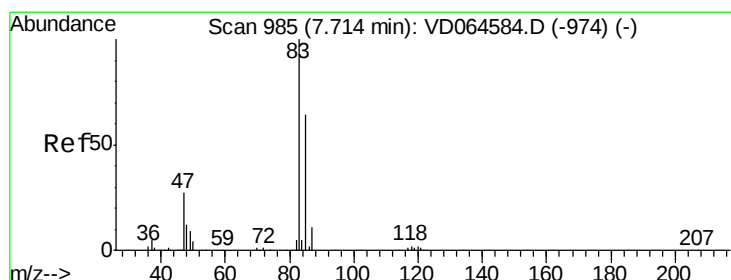
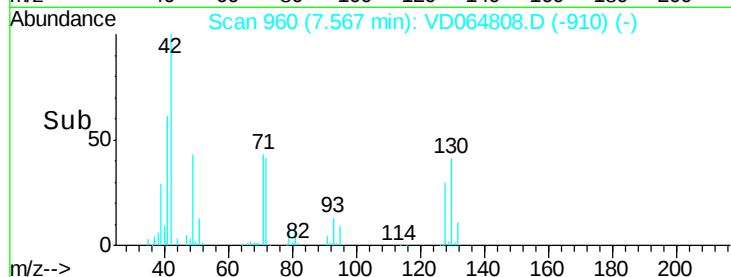
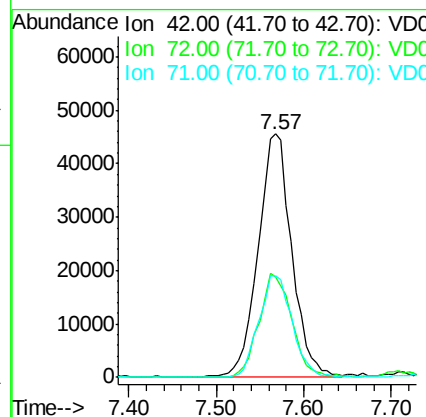
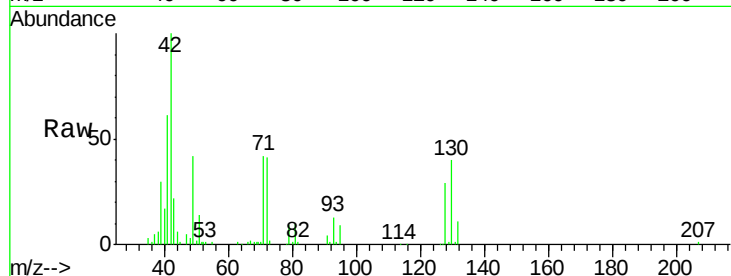
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	120473
Ion	Ratio	Lower	Upper
42	100		
72	41.8	35.0	52.4
71	41.3	32.9	49.3

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#30

Chloroform

Concen: 51.873 ug/l

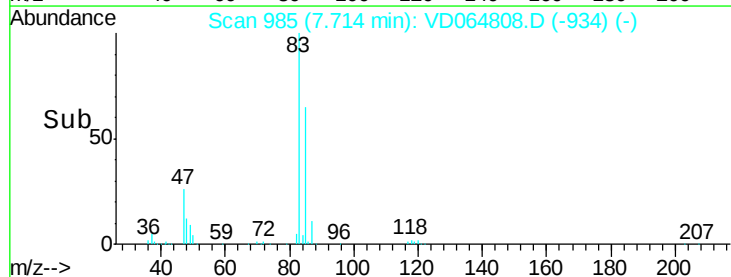
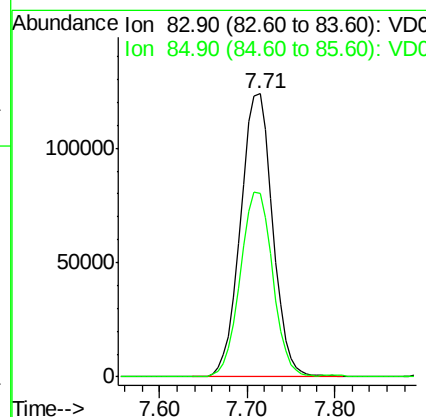
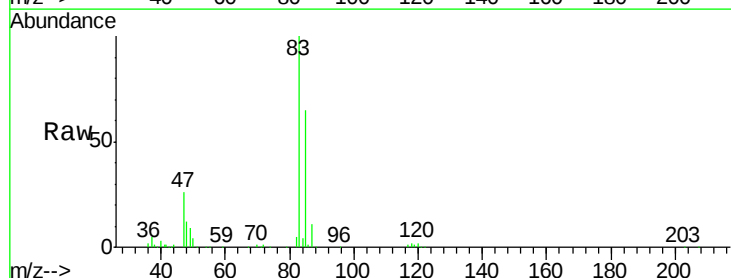
RT: 7.71 min Scan# 985

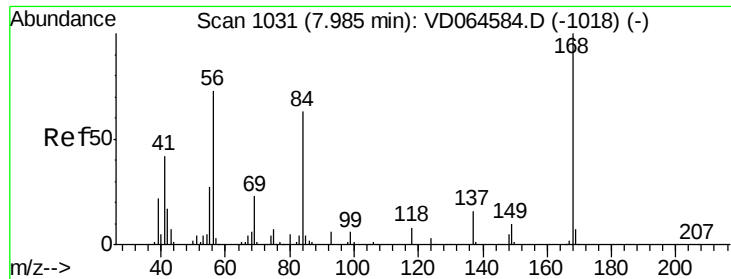
Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Tgt Ion:	83	Resp:	307724
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.1	76.7





#31

Cyclohexane

Concen: 43.340 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

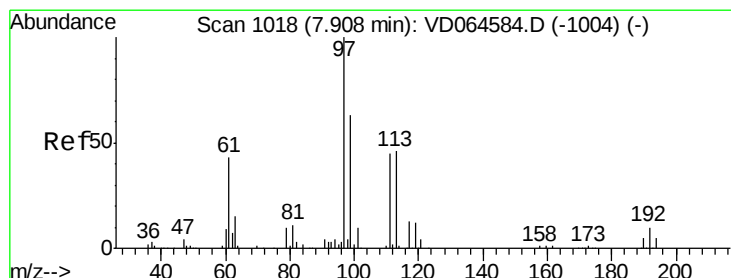
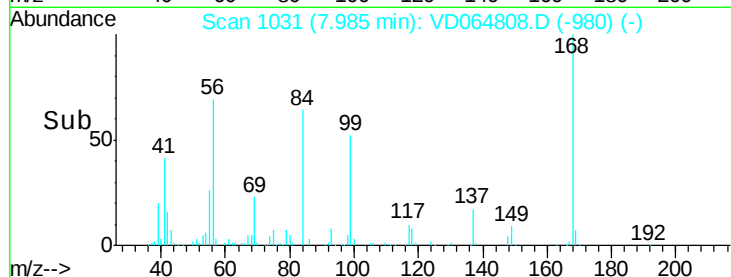
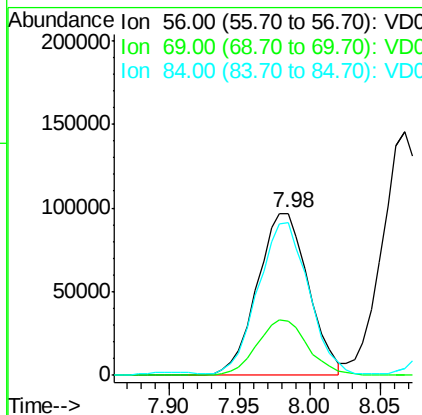
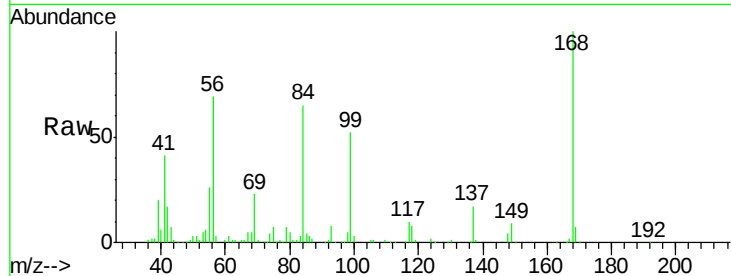
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	245300
Ion Ratio	Lower	Upper	
56	100		
69	33.0	24.7	37.1
84	92.5	69.4	104.2

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#32

1,1,1-Trichloroethane

Concen: 50.722 ug/l

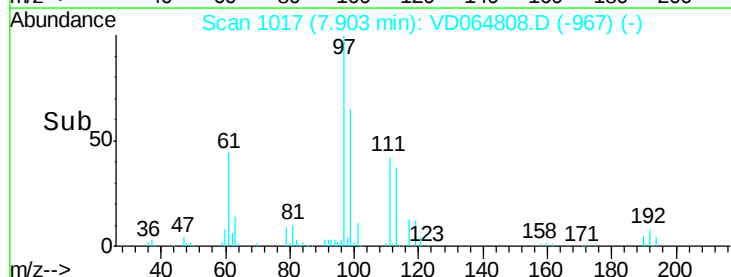
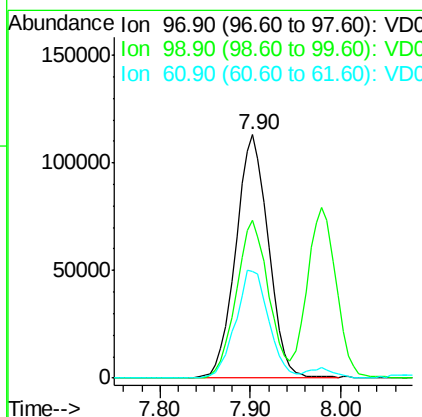
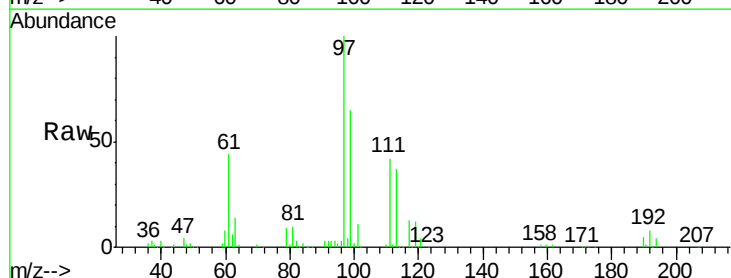
RT: 7.90 min Scan# 1017

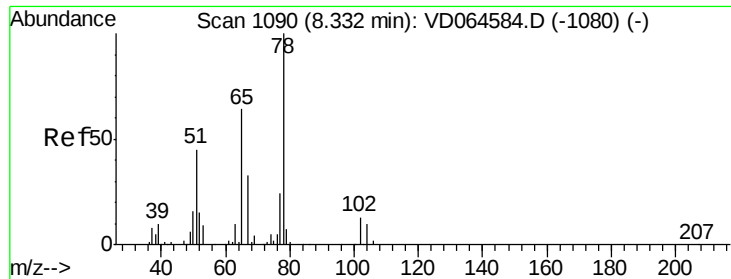
Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Tgt Ion:	97	Resp:	282619
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.0	76.6
61	45.0	35.4	53.0





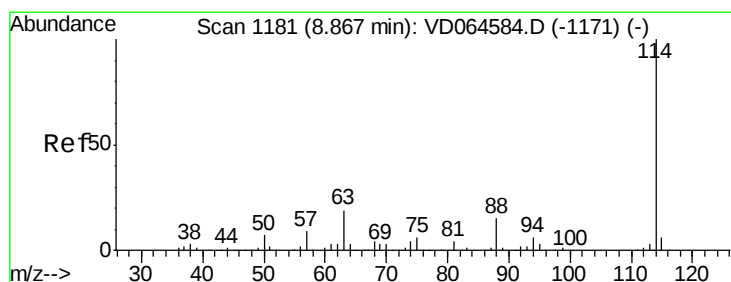
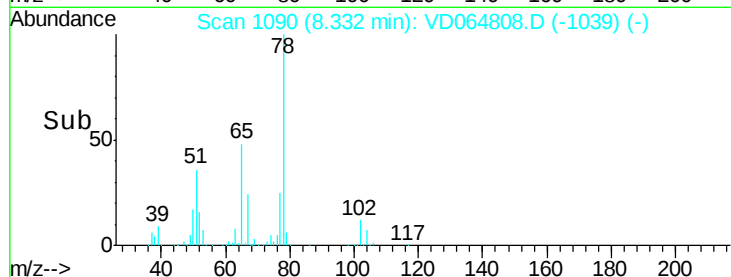
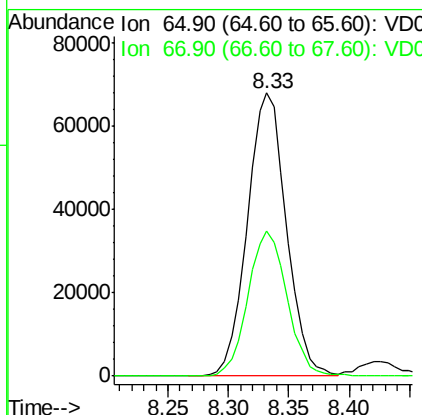
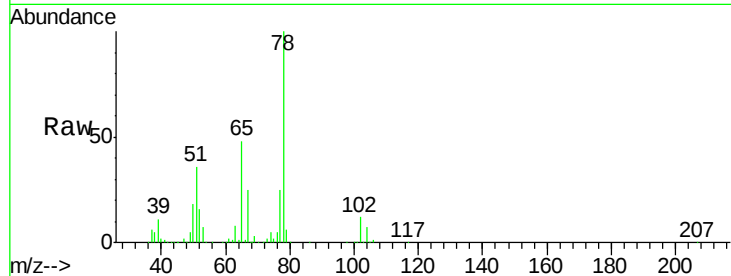
#33
 1,2-Dichloroethane-d4
 Concen: 50.399 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	152987		
67	51.3	0.0	106.2	

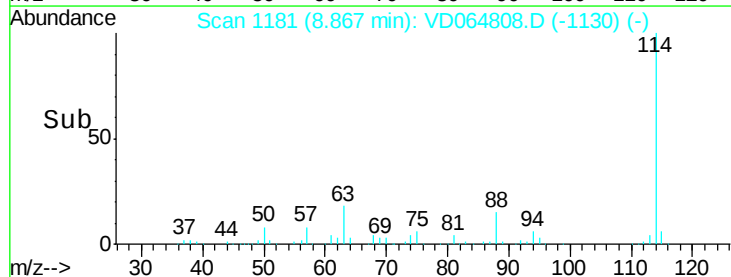
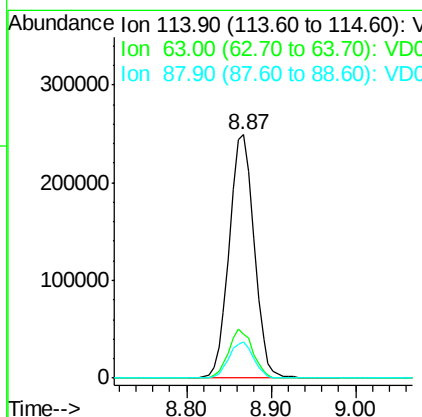
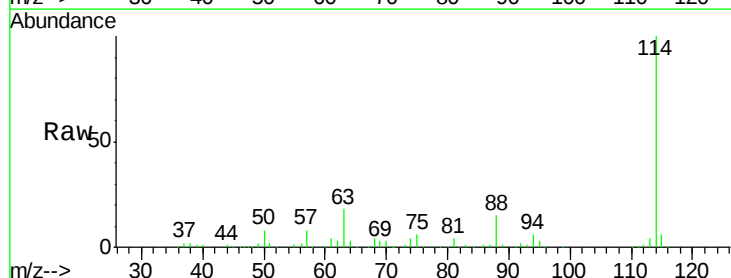
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	505367		
63	18.2	0.0	38.0	
88	14.7	0.0	29.2	





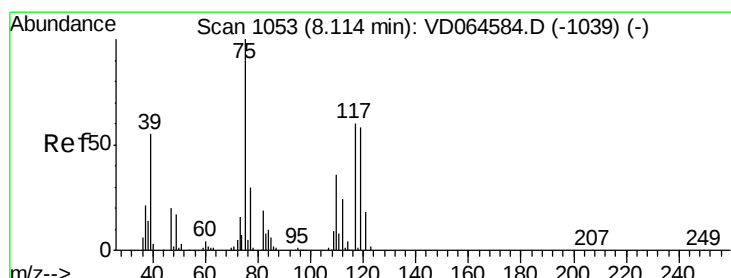
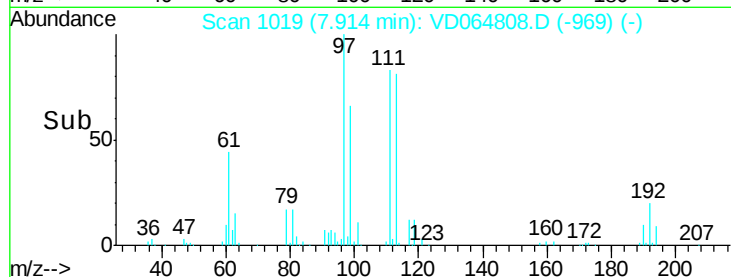
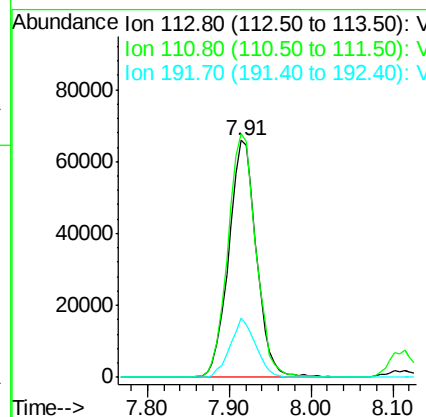
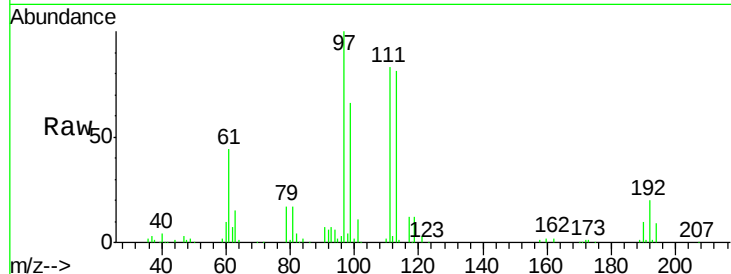
#35
 Dibromofluoromethane
 Concen: 50.004 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	155039		
111	104.6	80.6	121.0	
192	22.9	17.9	26.9	

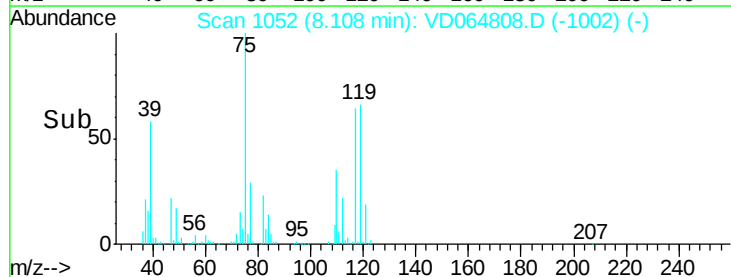
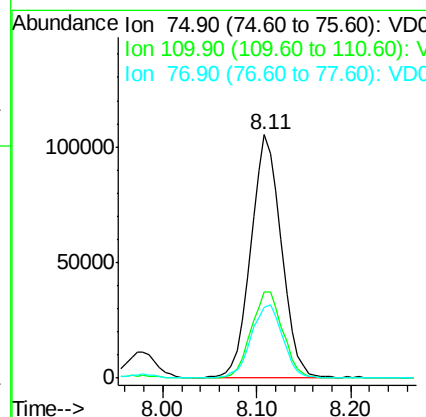
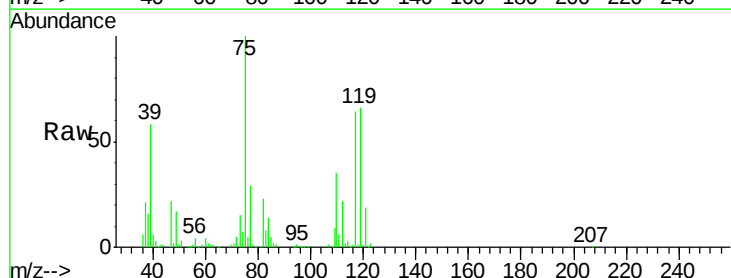
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#36
 1,1-Dichloropropene
 Concen: 48.721 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	236986		
110	36.5	18.1	54.1	
77	31.3	24.2	36.4	





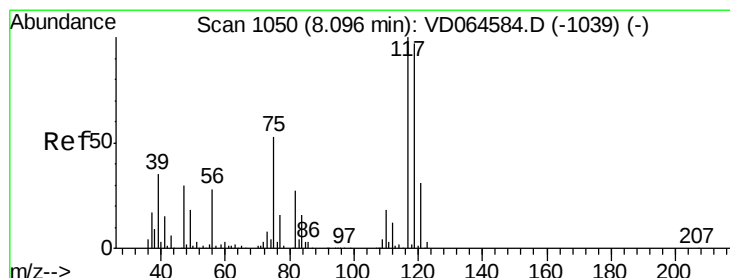
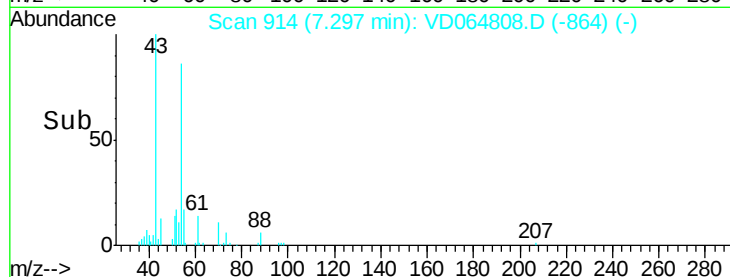
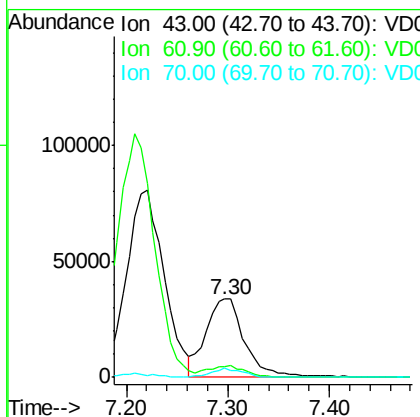
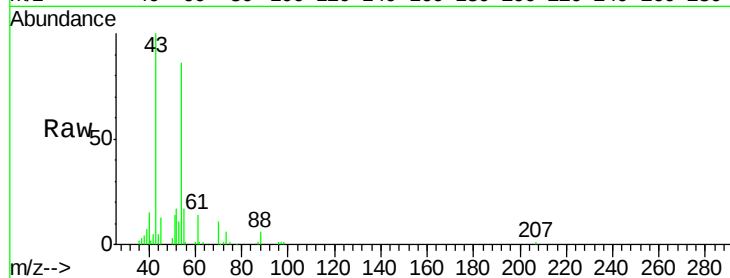
#37
Ethyl Acetate
Concen: 45.999 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.3	15.5
70	9.7	7.6	11.4

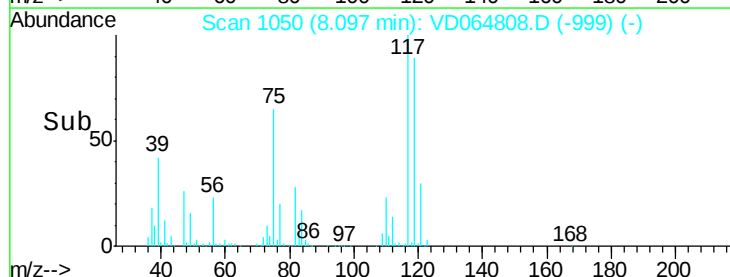
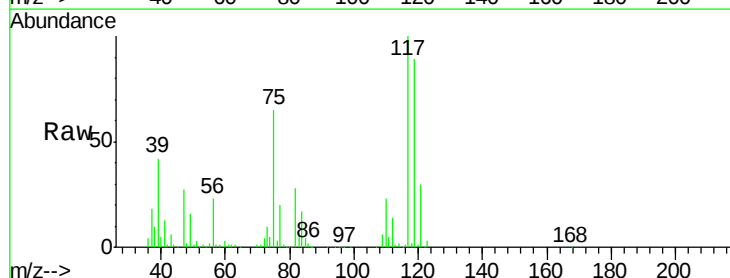
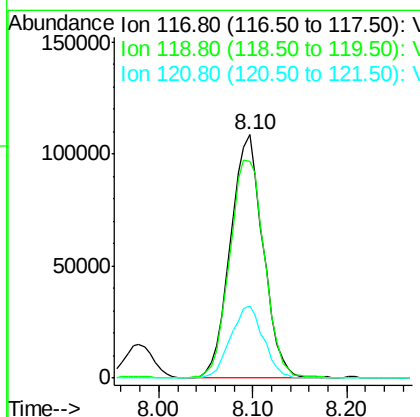
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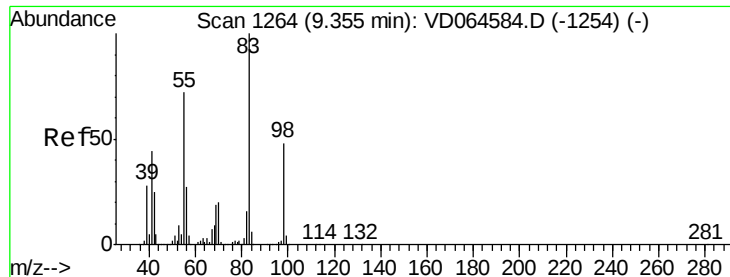
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#38
Carbon Tetrachloride
Concen: 50.310 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.9	77.3	115.9
121	29.7	25.0	37.6





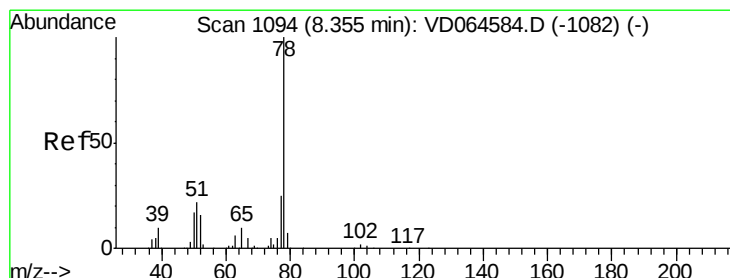
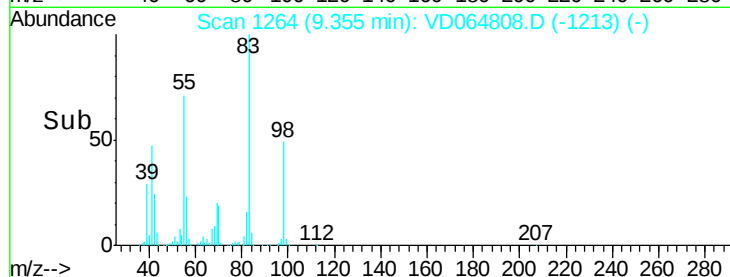
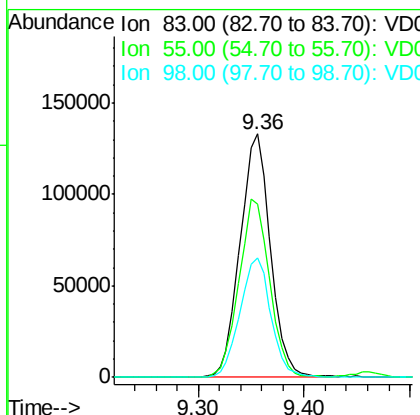
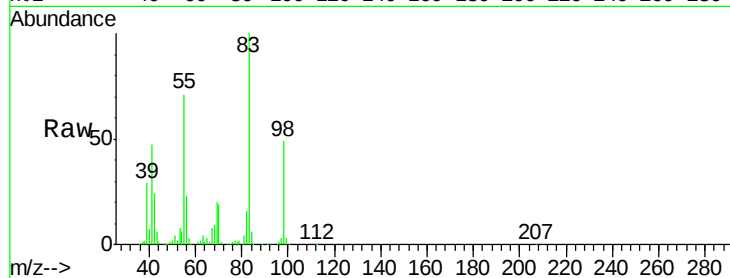
#39
Methvlcvclohexane
Concen: 45.153 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.3	57.8	86.6
98	48.9	38.7	58.1

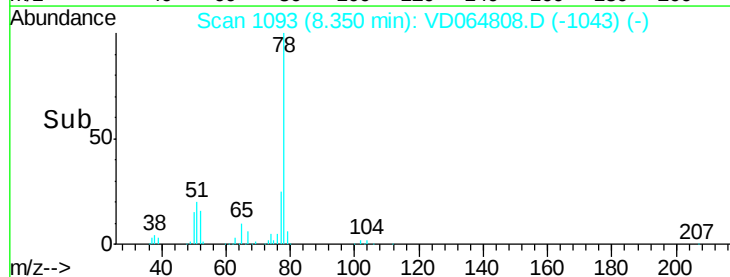
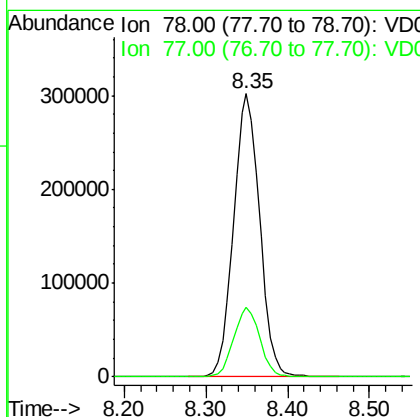
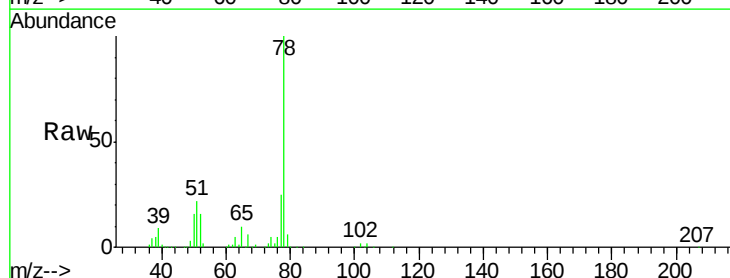
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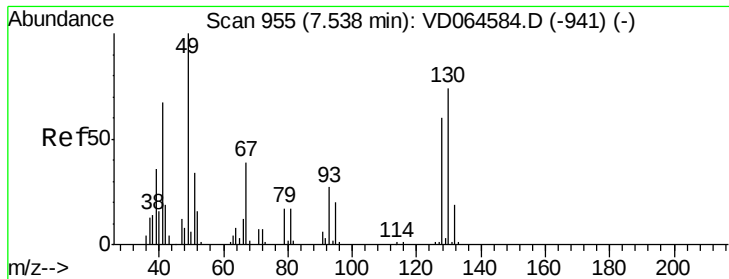
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#40
Benzene
Concen: 50.429 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.9	29.9





#41

Methacrylonitrile

Concen: 37.774 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 41880

Ion Ratio Lower Upper

41 100

39 65.2 46.7 70.1

67 86.3 52.5 78.7#

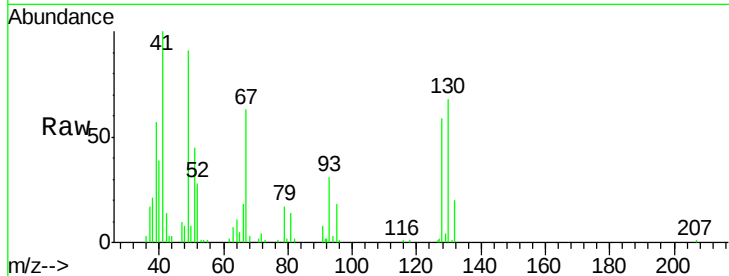
52 42.1 24.1 36.1#

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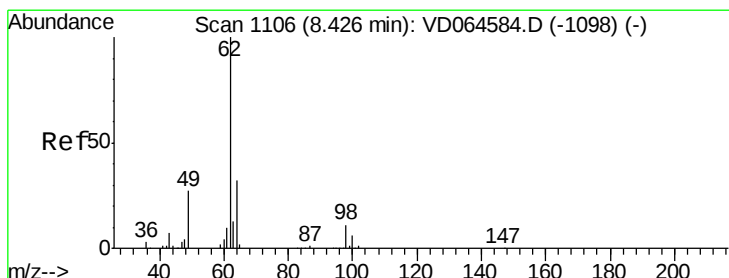
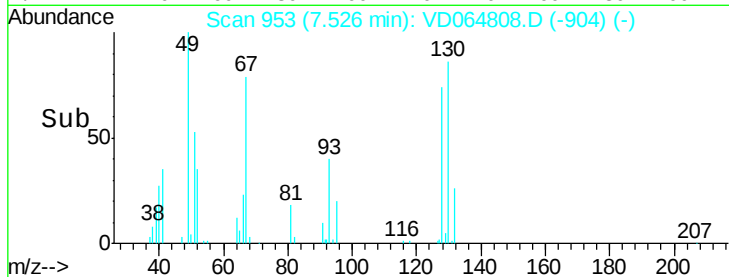
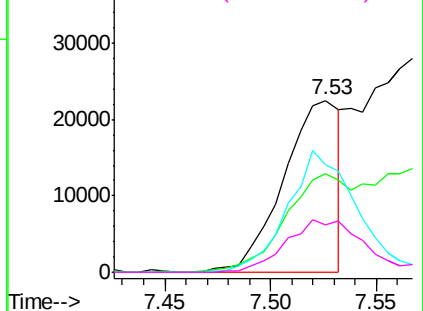


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 51.280 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064808.D

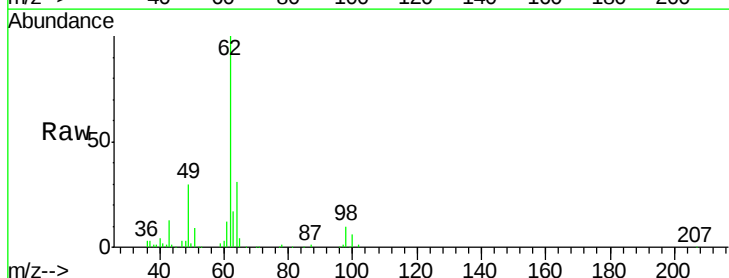
Acq: 09 Jan 2020 10:25

Tgt Ion: 62 Resp: 196769

Ion Ratio Lower Upper

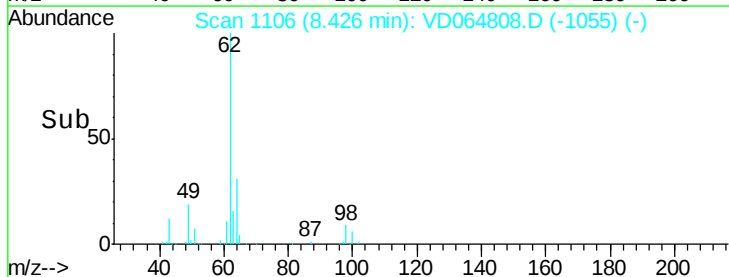
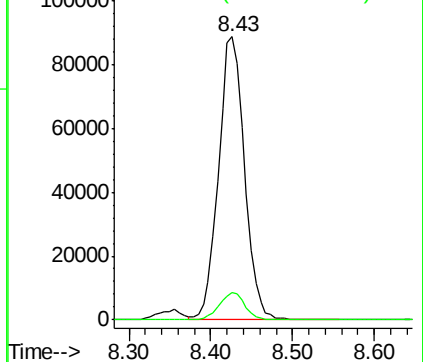
62 100

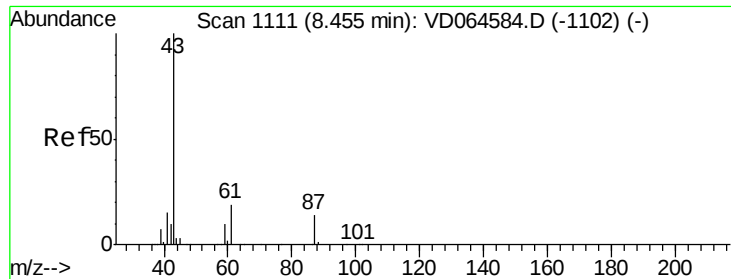
98 9.4 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





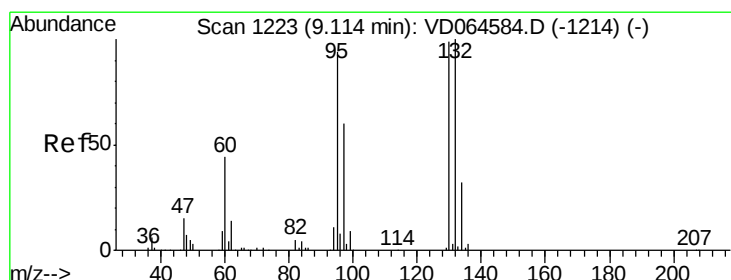
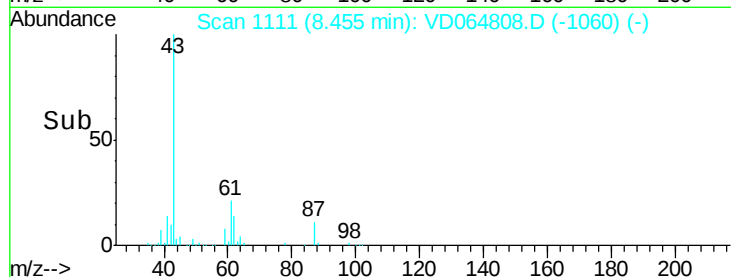
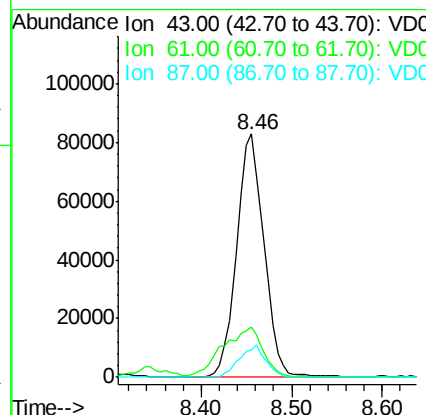
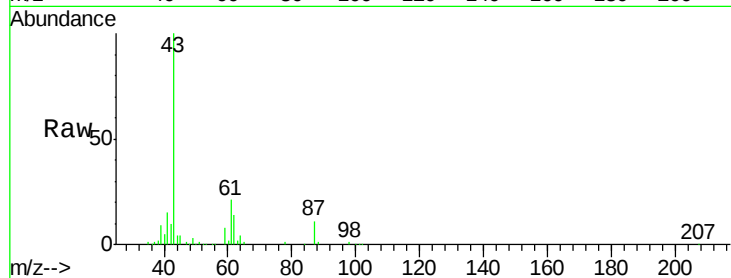
#43
Isopropyl Acetate
Concen: 45.452 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.9	23.7	35.5
87	12.9	10.5	15.7

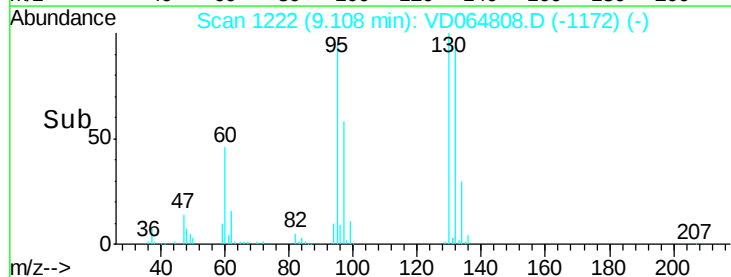
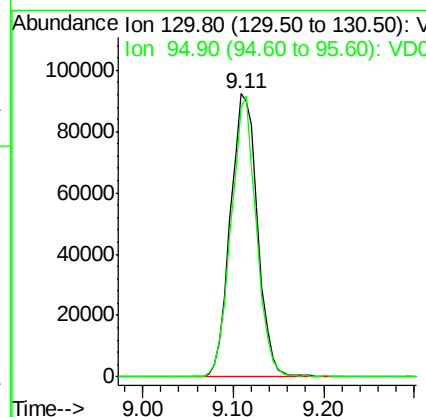
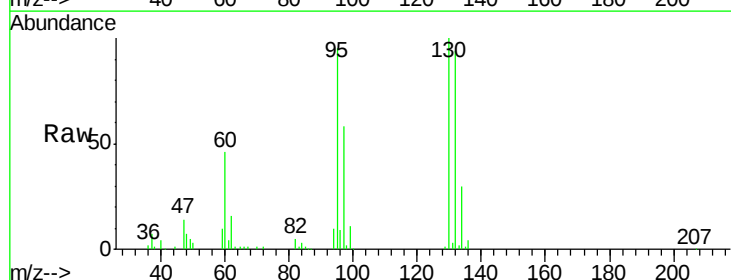
Manual Integrations
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1/10/2020 10:41:52 AM



#44
Trichloroethene
Concen: 49.319 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	190.2





#45

1,2-Dichloropropane

Concen: 51.251 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 162487

Ion Ratio Lower Upper

63 100

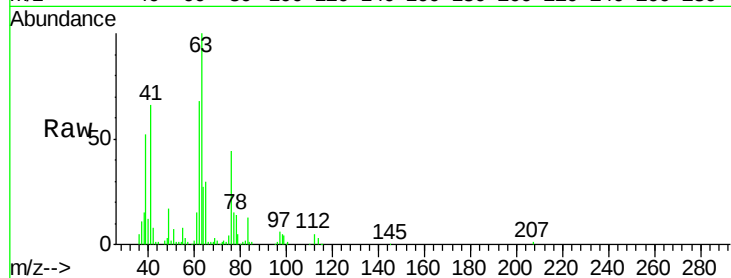
65 29.7 25.2 37.8

Manual Integrations

APPROVED

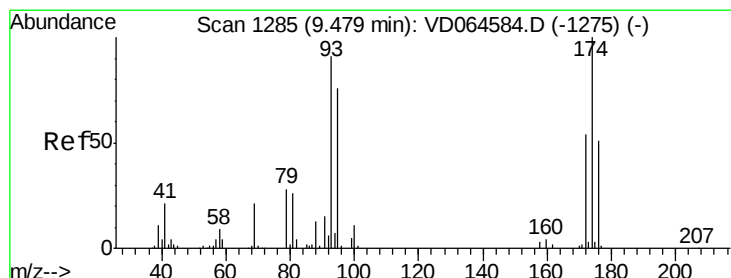
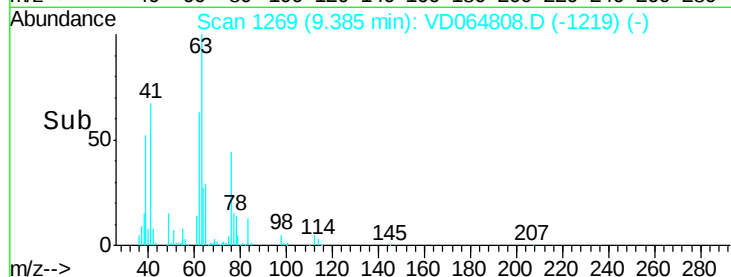
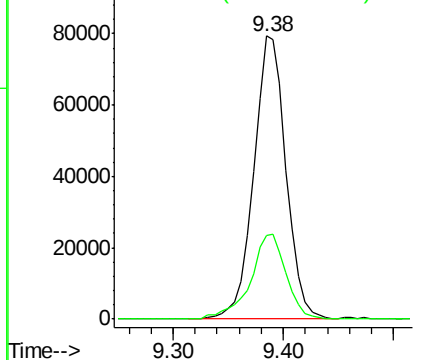
MMDadoda

1/10/2020 10:41:52 AM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.200 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

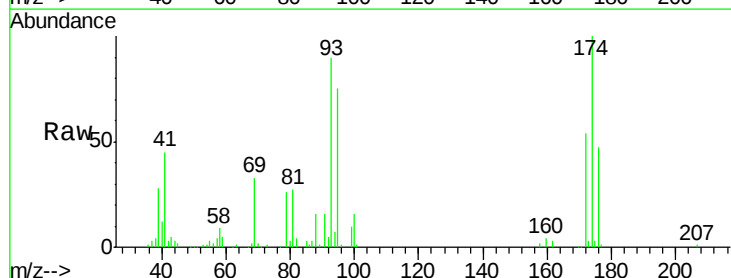
Tgt Ion: 93 Resp: 85200

Ion Ratio Lower Upper

93 100

95 84.2 64.6 97.0

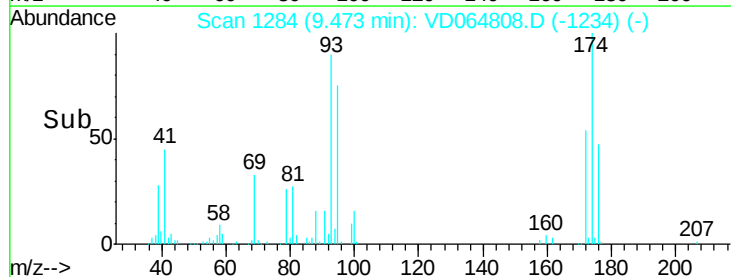
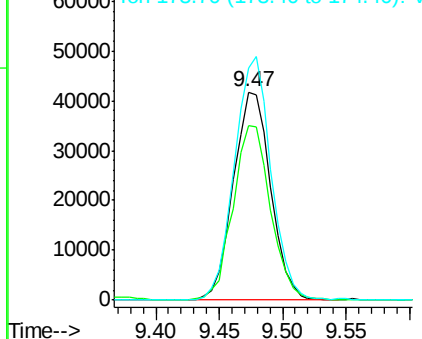
174 114.6 88.1 132.1

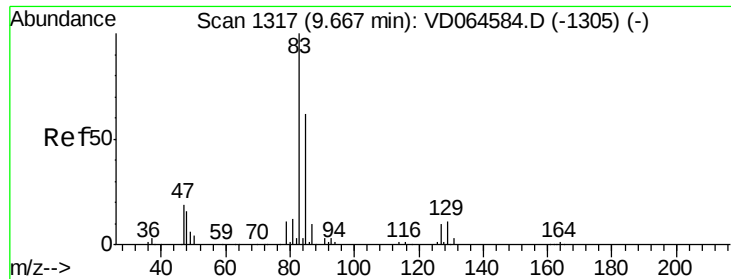


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.455 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

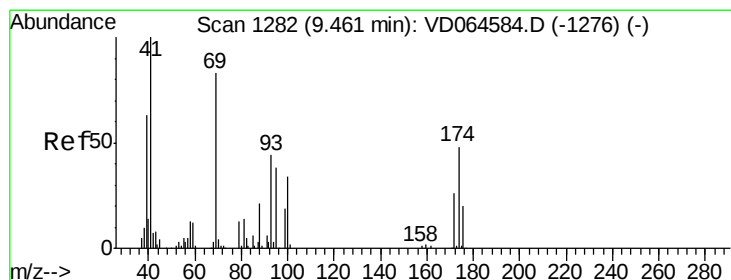
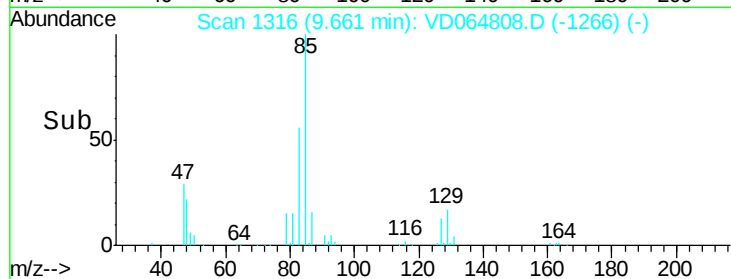
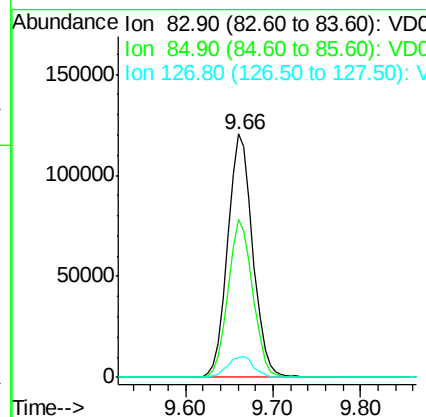
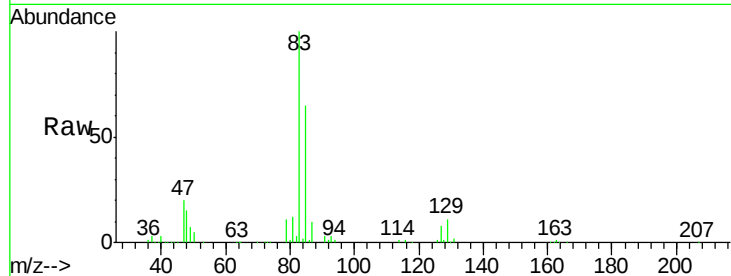
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	237318
Ion	Ratio	Lower	Upper
83	100		
85	65.0	49.5	74.3
127	8.3	7.8	11.6

Manual Integrations
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MMDadoda
1/10/2020 10:41:52 AM



#48

Methyl methacrylate

Concen: 46.175 ug/l

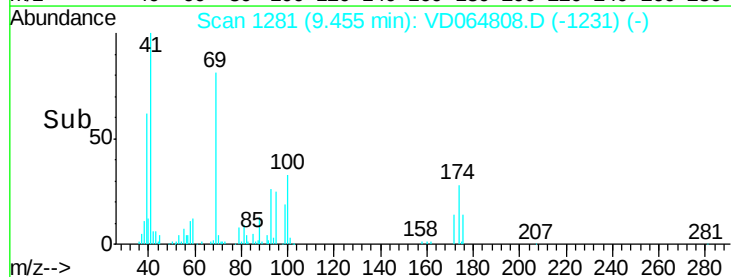
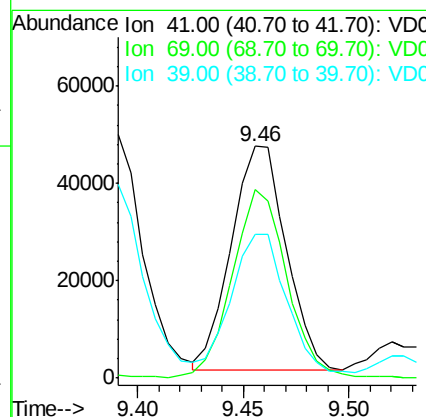
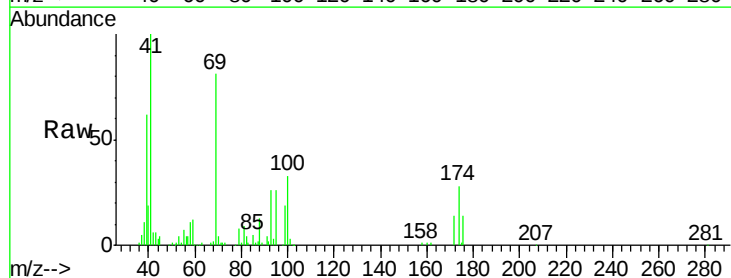
RT: 9.46 min Scan# 1281

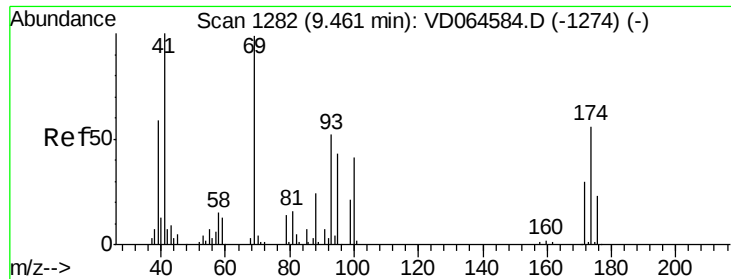
Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Tgt Ion:	41	Resp:	82693
Ion	Ratio	Lower	Upper
41	100		
69	84.4	63.0	94.6
39	67.6	47.4	71.2





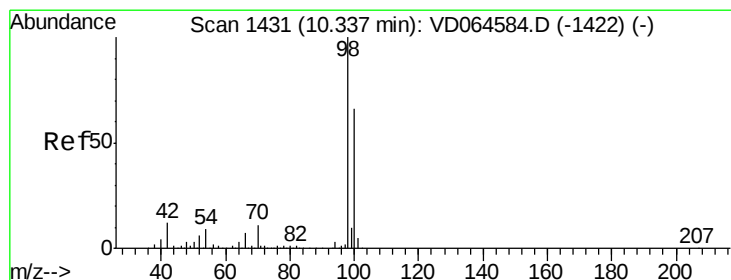
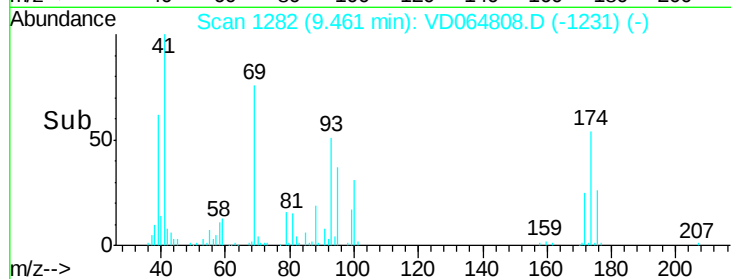
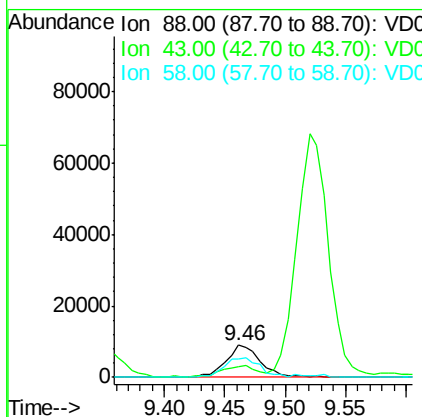
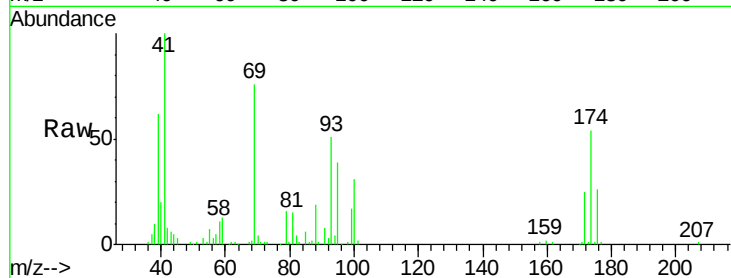
#49
1,4-Dioxane
Concen: 881.713 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	17971
Ion	Ratio	Lower	Upper
88	100		
43	37.4	27.7	41.5
58	63.5	53.8	80.6

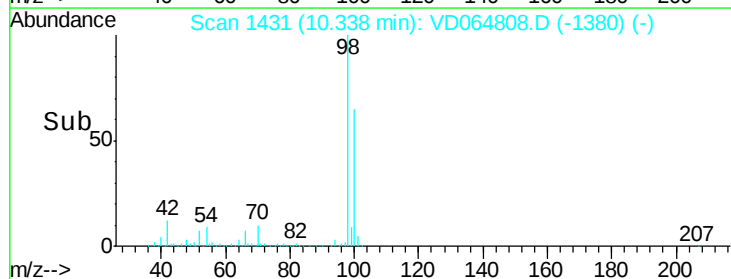
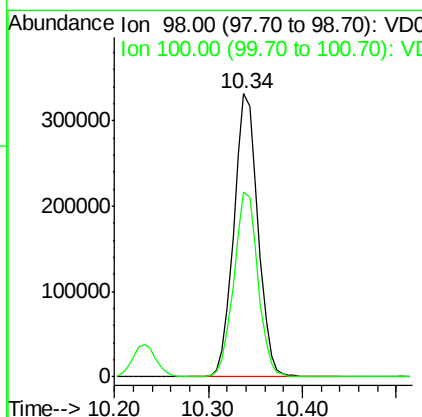
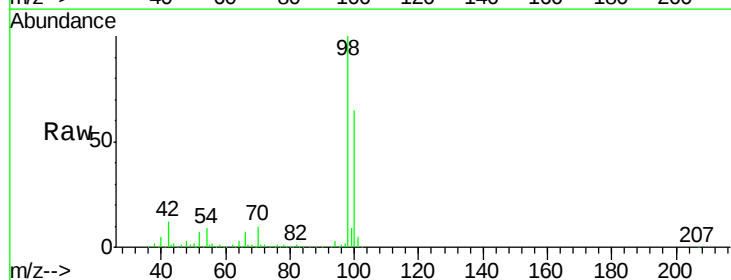
Manual Integrations
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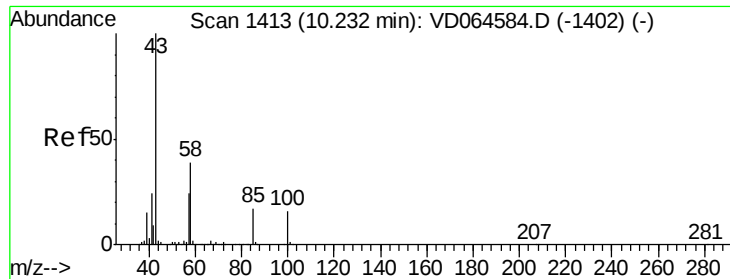
MMDadoda
1/10/2020 10:41:52 AM



#50
Toluene-d8
Concen: 49.813 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	98	Resp	591513
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





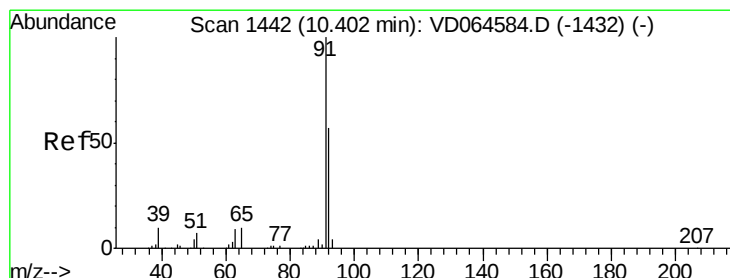
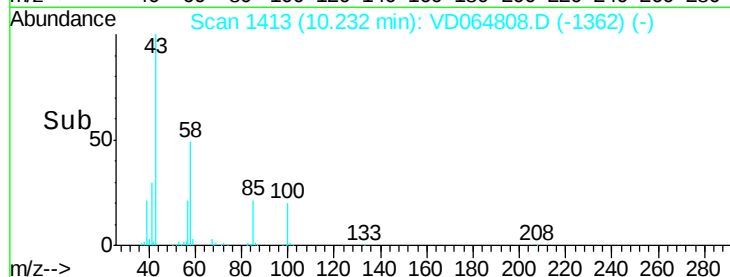
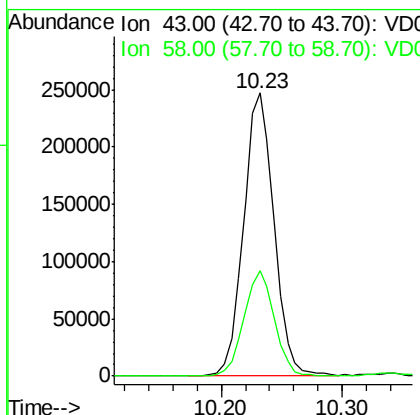
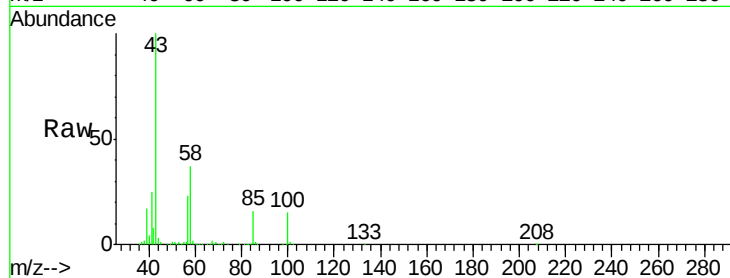
#51
4-Methyl-2-Pentanone
Concen: 231.154 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 434562
Ion Ratio Lower Upper
43 100
58 37.5 30.2 45.2

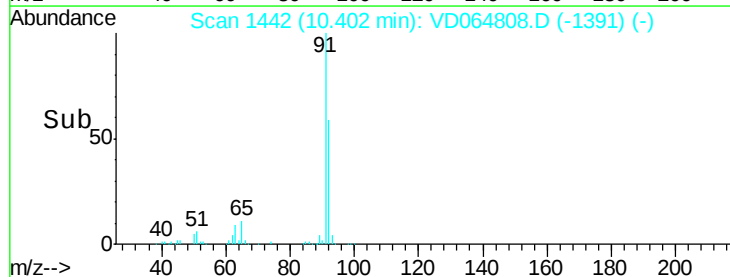
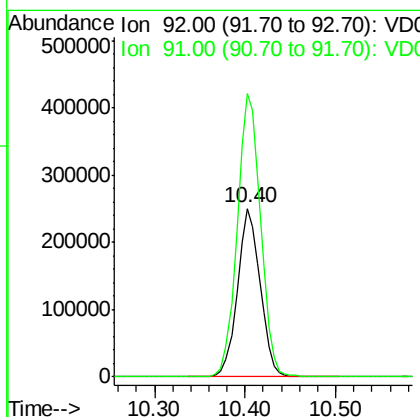
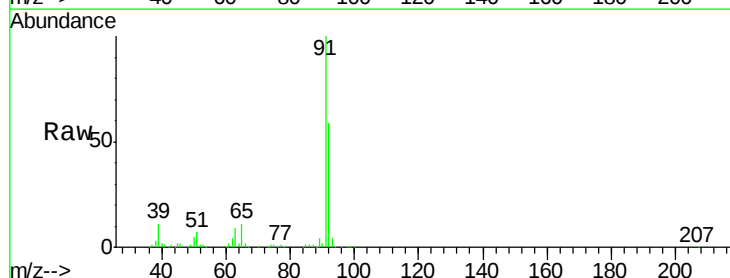
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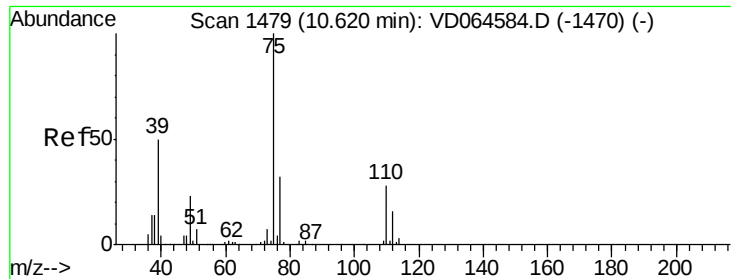
MMDadoda
1/10/2020 10:41:52 AM



#52
Toluene
Concen: 50.235 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 92 Resp: 437635
Ion Ratio Lower Upper
92 100
91 172.6 138.7 208.1





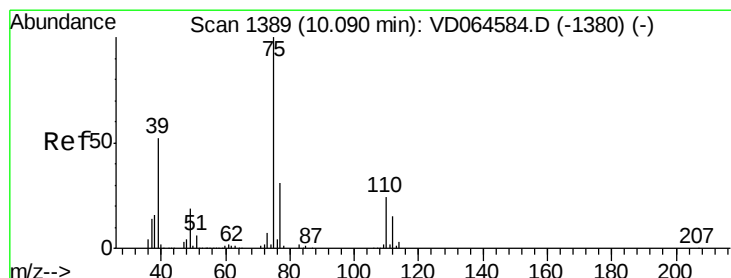
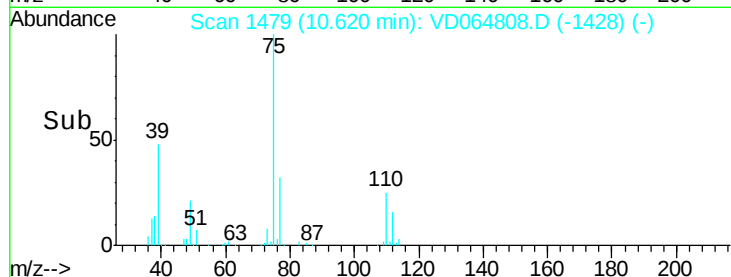
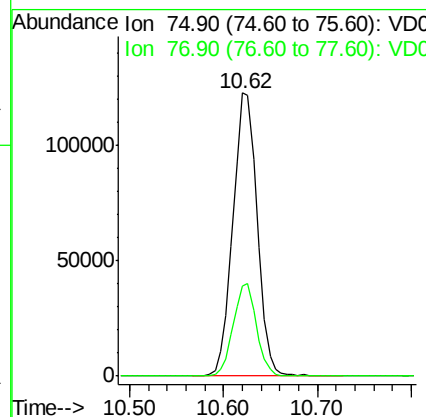
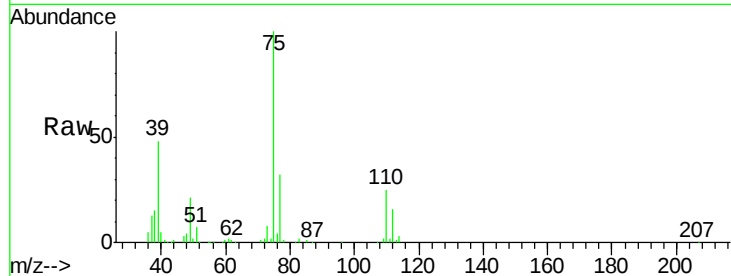
#53
t-1,3-Dichloropropene
Concen: 50.439 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 221190
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

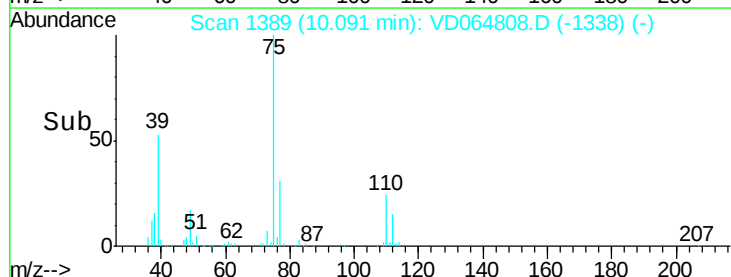
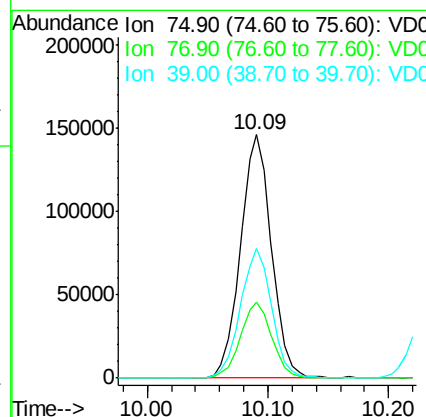
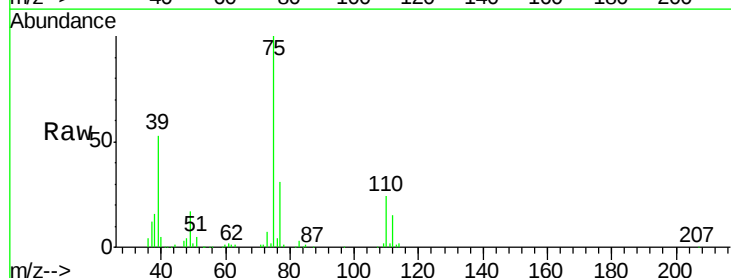
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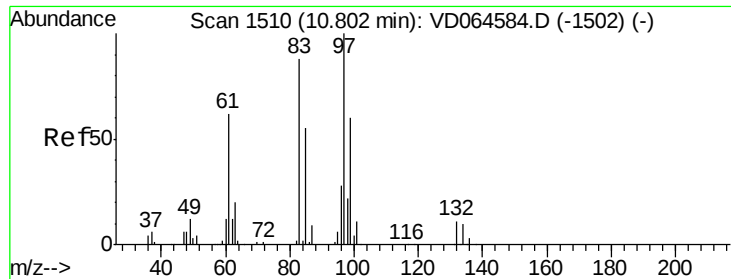
MMDadoda
1/10/2020 10:41:52 AM



#54
cis-1,3-Dichloropropene
Concen: 50.461 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 75 Resp: 260926
Ion Ratio Lower Upper
75 100
77 31.5 24.6 36.8
39 53.2 41.4 62.2





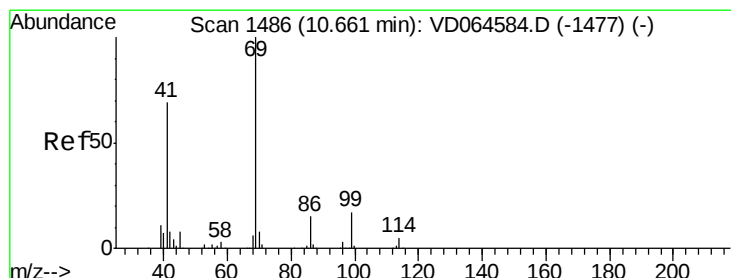
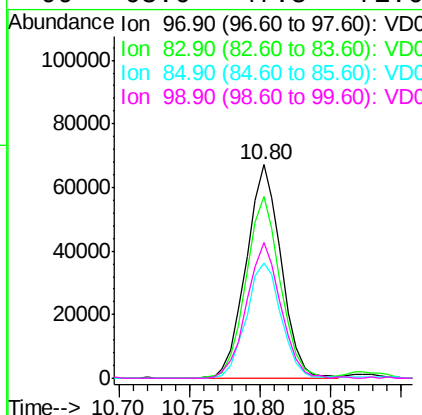
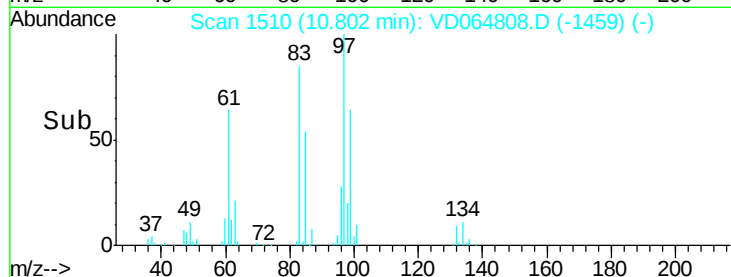
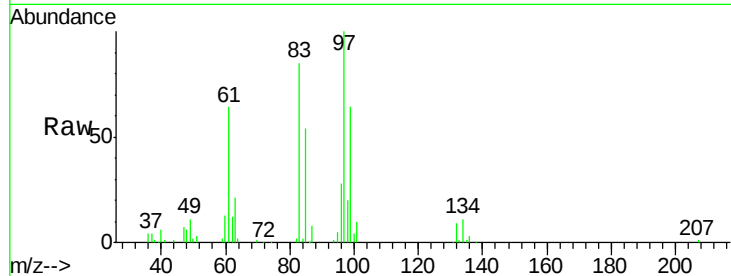
#55
 1,1,2-Trichloroethane
 Concen: 48.981 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		116682		
83	85.3	70.2	105.4		
85	53.8	44.0	66.0		
99	63.6	47.8	71.6		

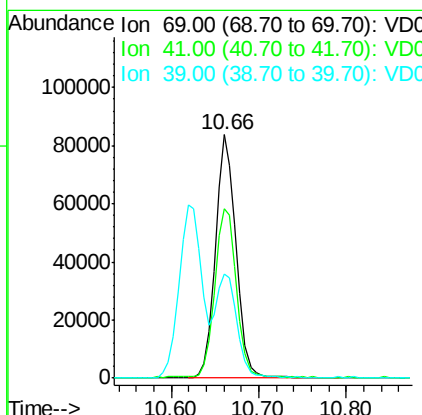
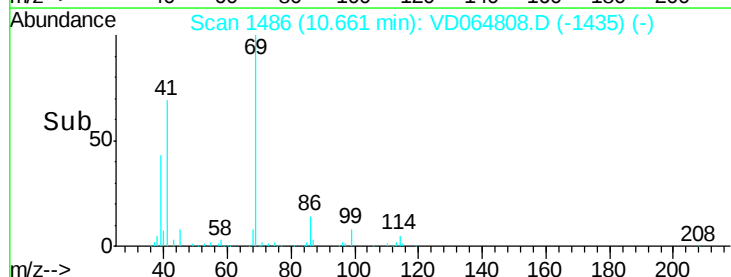
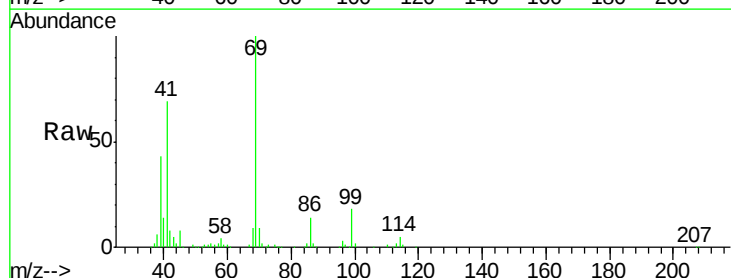
Manual Integrations
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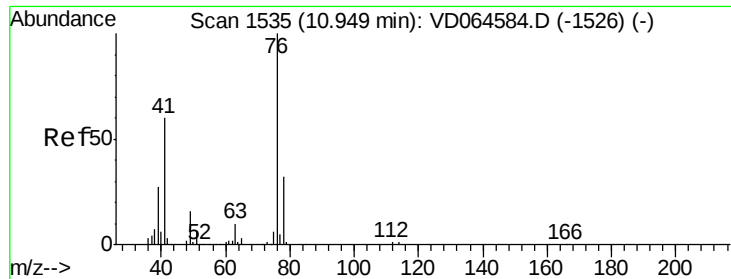
MMDadoda
 1/10/2020 10:41:52 AM



#56
 Ethyl methacrylate
 Concen: 45.920 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		136614		
41	72.6	55.3	82.9		
39	43.8	33.8	50.8		





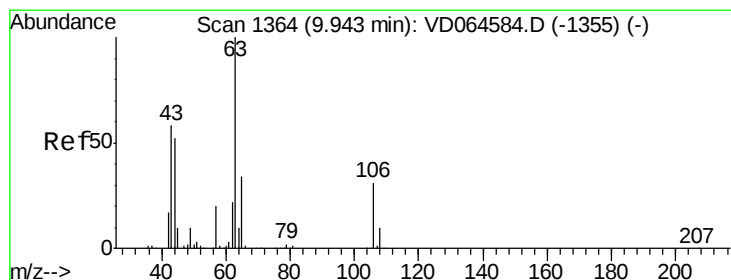
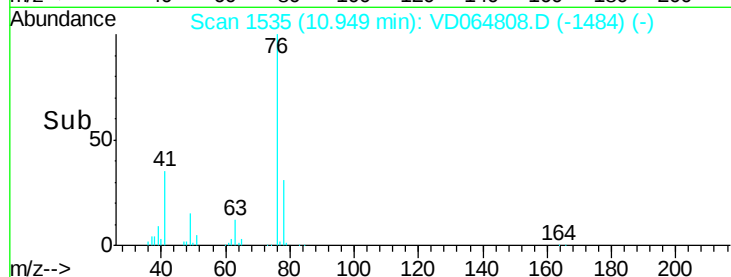
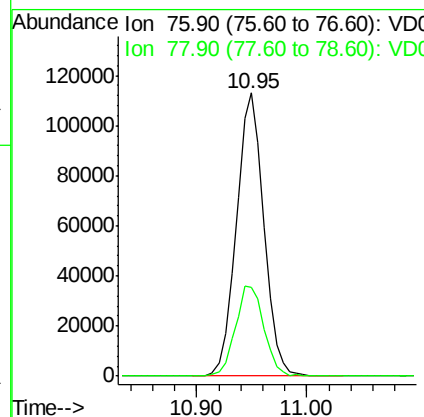
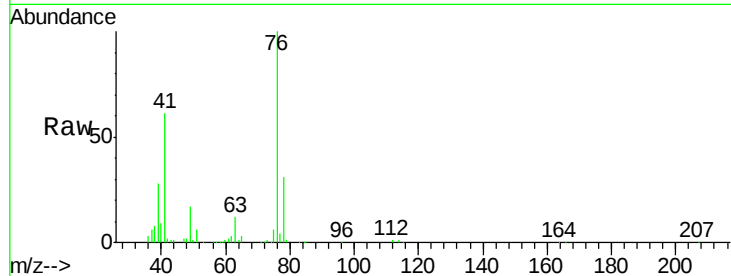
#57
 1,3-Dichloropropane
 Concen: 48.102 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 197298
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.4

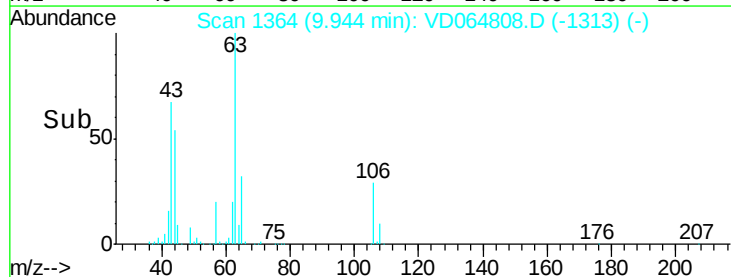
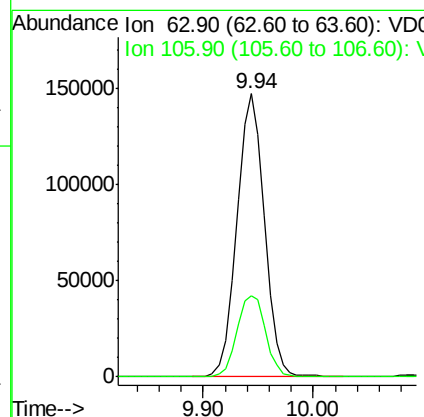
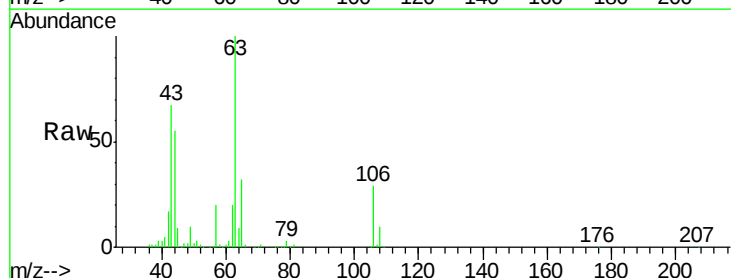
Manual Integrations
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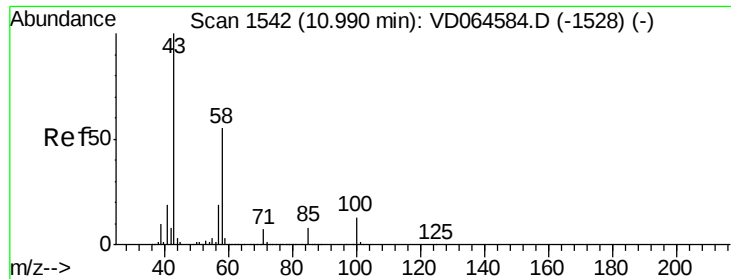
MMDadoda
 1/10/2020 10:41:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.050 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion: 63 Resp: 258486
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.8 35.8





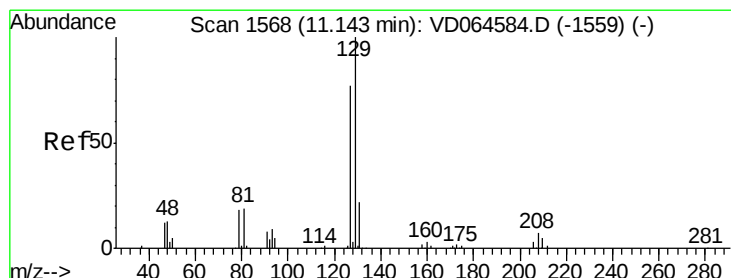
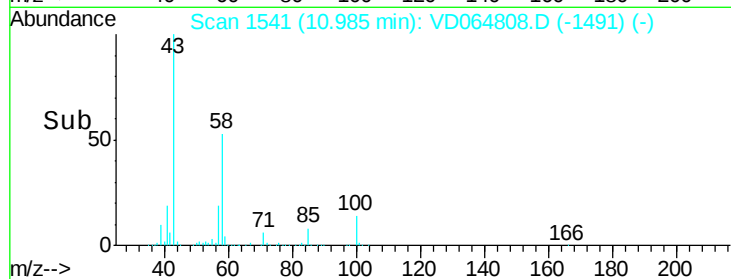
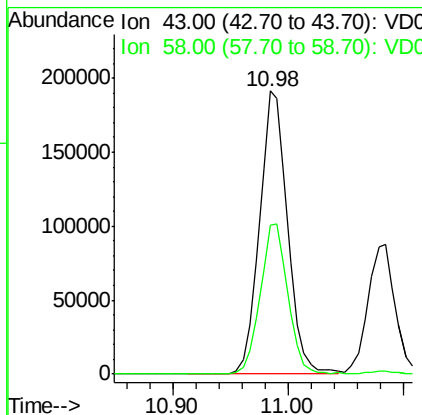
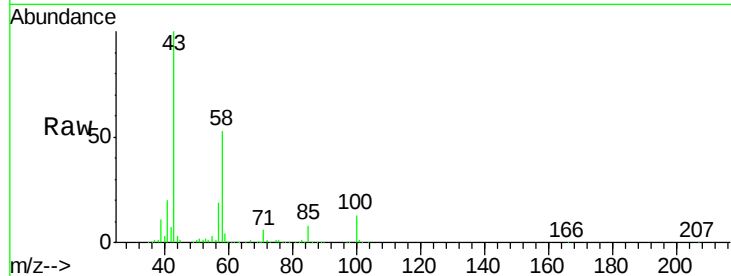
#59
2-Hexanone
Concen: 253.818 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 323864
Ion Ratio Lower Upper
43 100
58 52.6 26.4 79.0

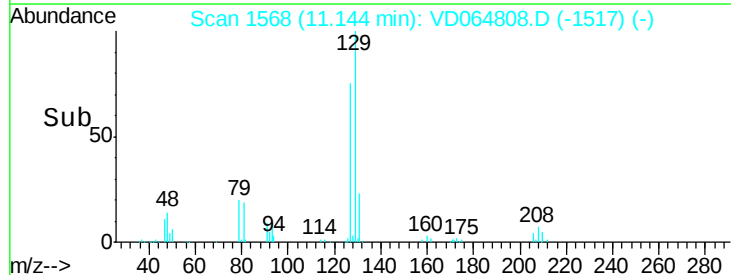
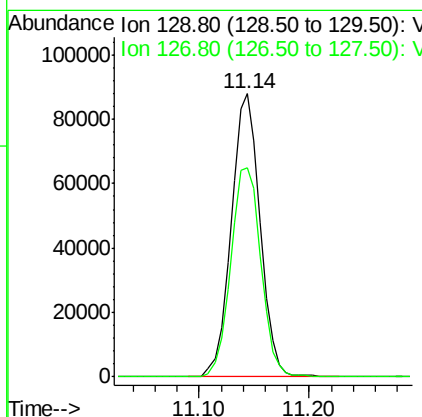
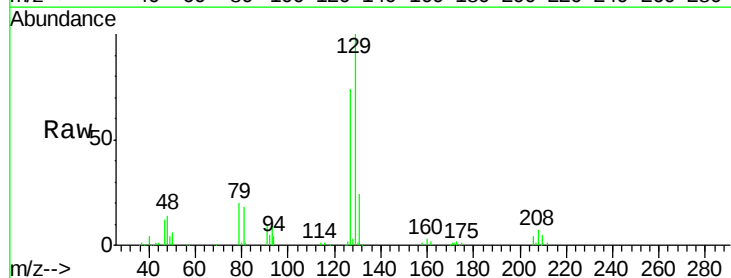
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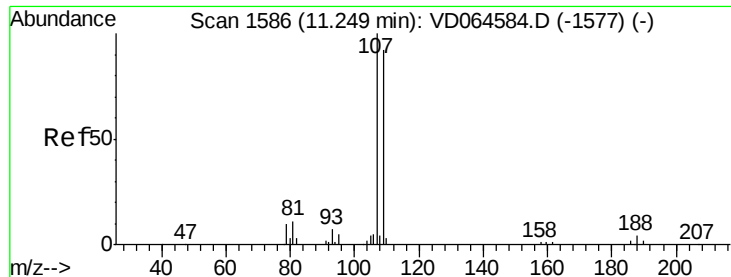
MMDadoda
1/10/2020 10:41:52 AM



#60
Dibromochloromethane
Concen: 48.795 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion: 129 Resp: 160741
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2





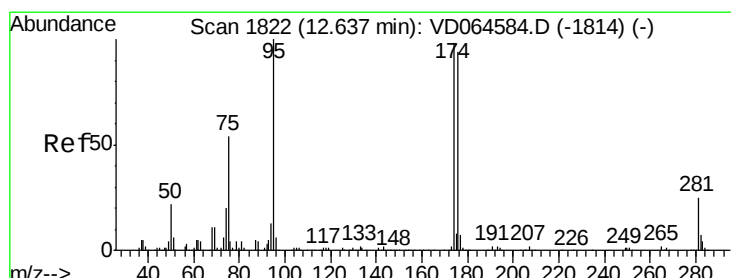
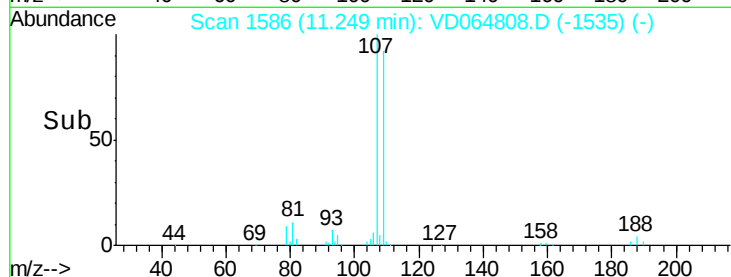
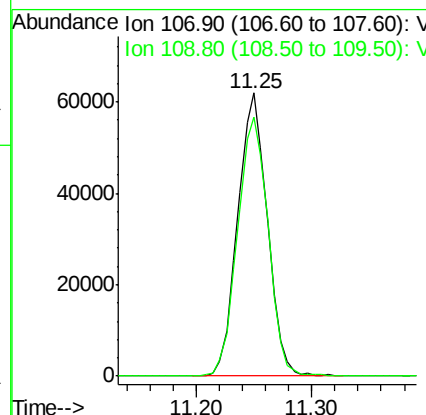
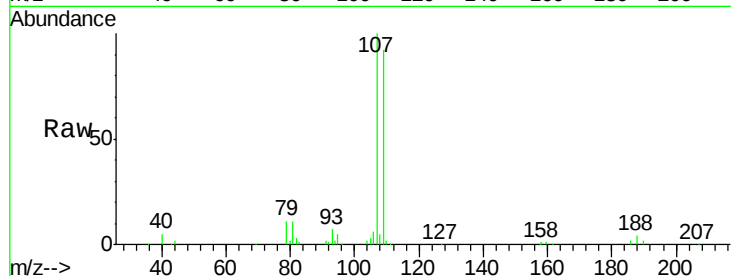
#61
1,2-Dibromoethane
Concen: 46.779 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.6	113.4

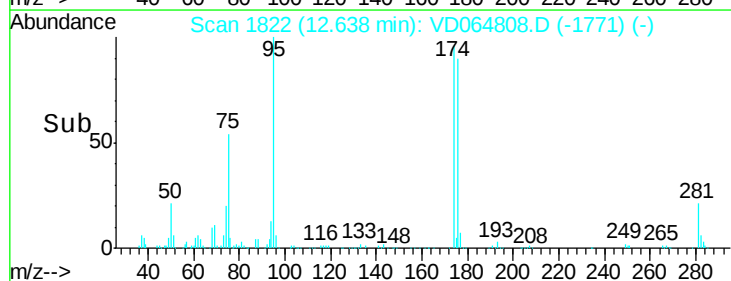
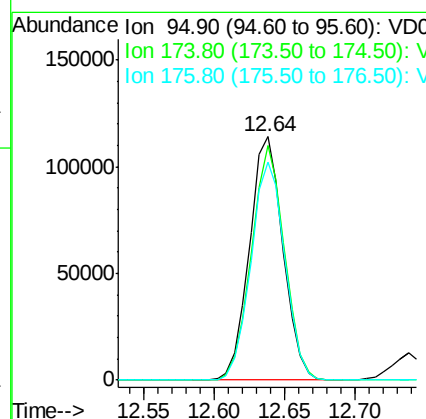
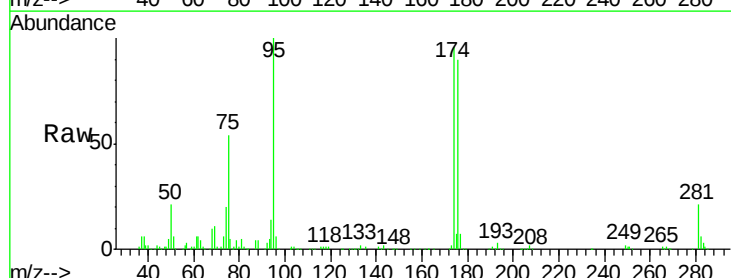
Manual Integrations
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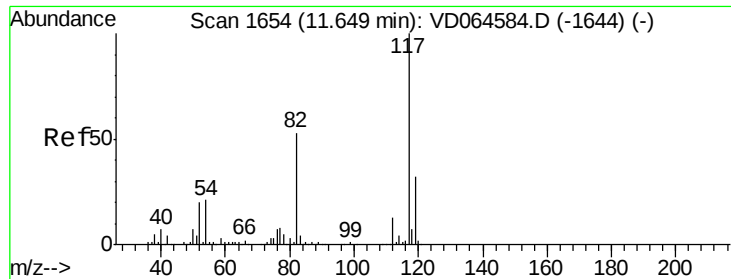
MMDadoda
1/10/2020 10:41:52 AM



#62
4-Bromofluorobenzene
Concen: 50.746 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.8	0.0	193.2
176	90.6	0.0	184.2





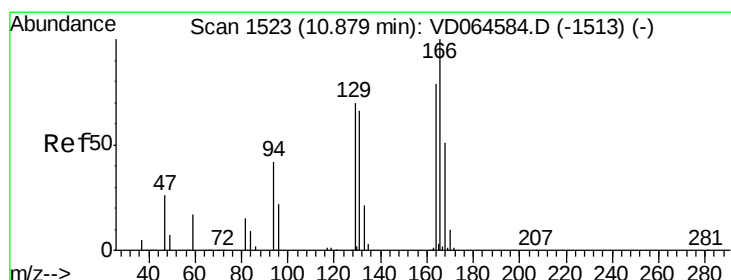
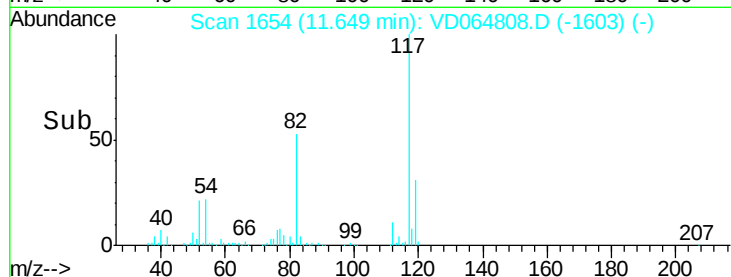
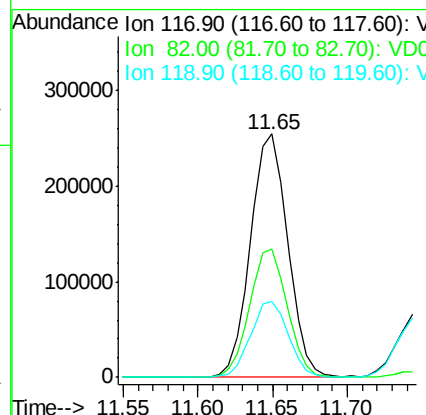
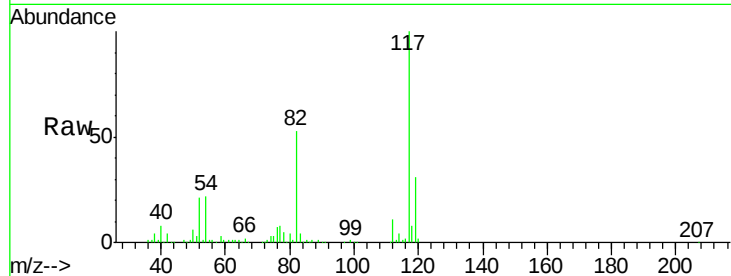
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.2	63.4
119	31.1	26.0	39.0

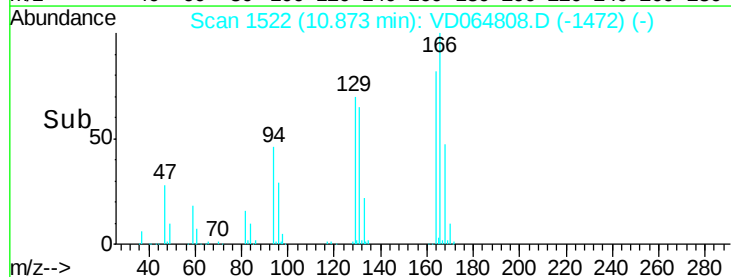
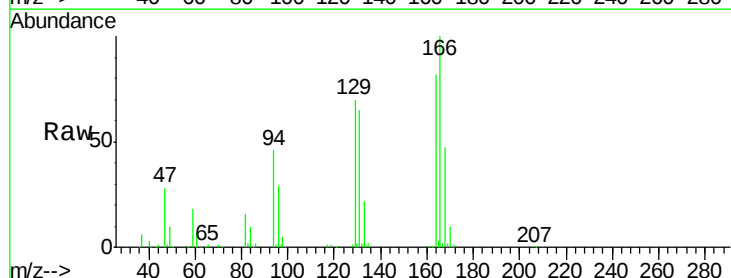
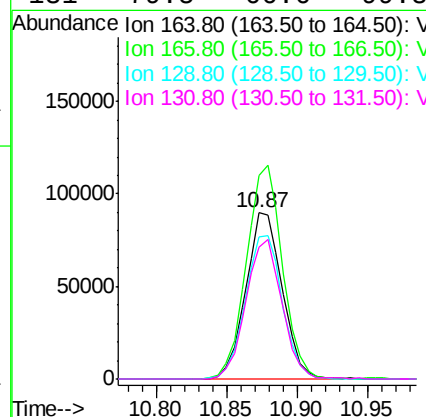
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#64
Tetrachloroethene
Concen: 47.884 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	101.3	151.9
129	85.3	70.5	105.7
131	79.5	66.6	99.8





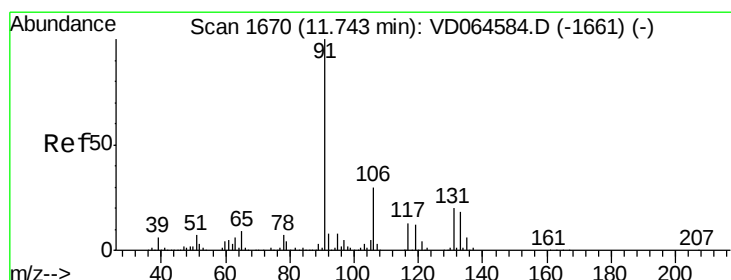
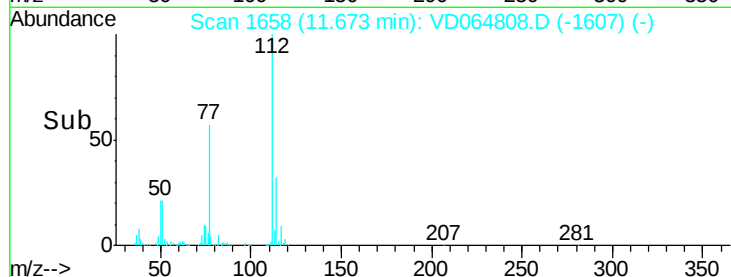
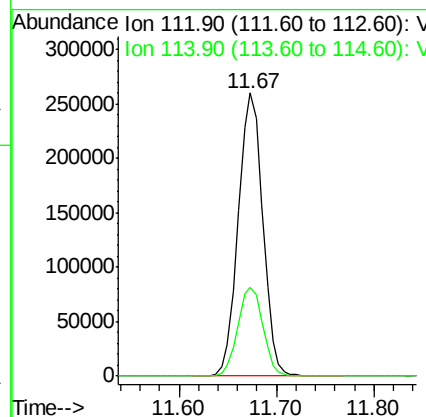
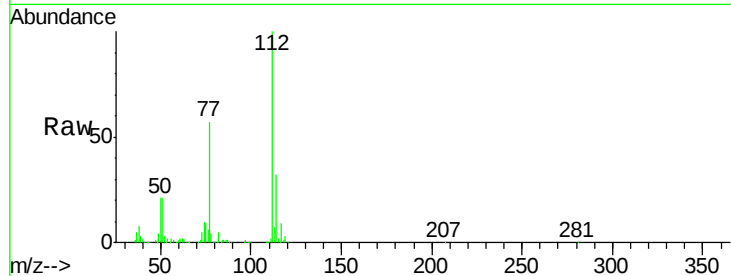
#65
Chlorobenzene
Concen: 49.846 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.8	37.2

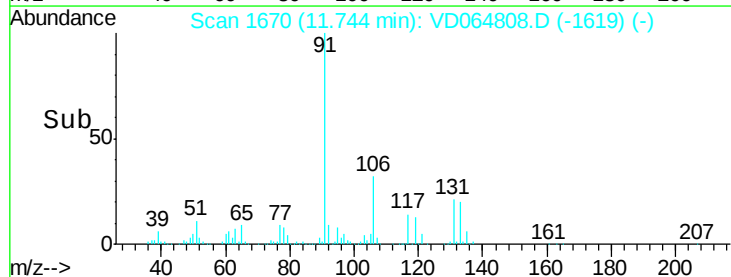
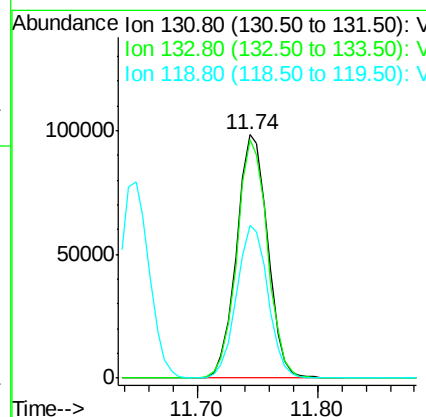
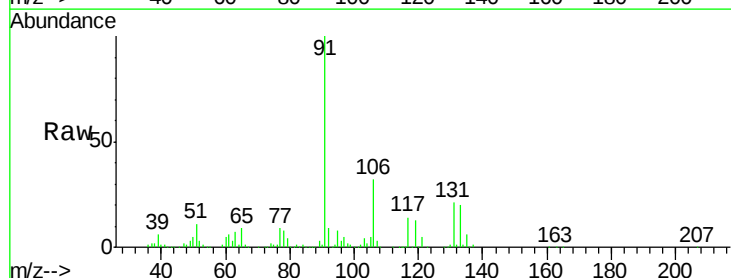
Manual Integrations
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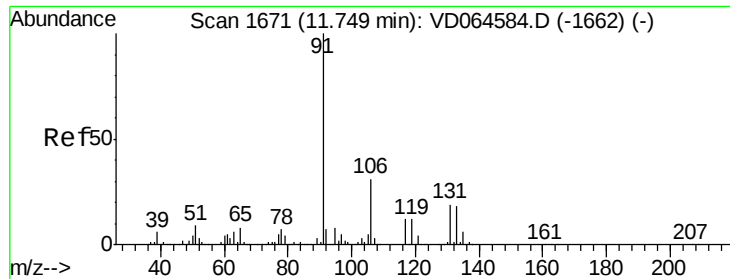
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.529 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.3	144.8
119	63.0	32.1	96.3





#67

Ethyl Benzene

Concen: 50.280 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 833074

Ion Ratio Lower Upper

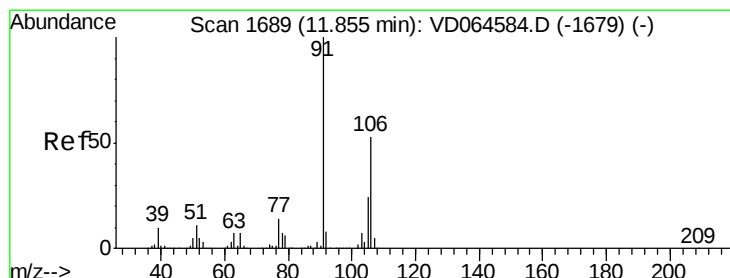
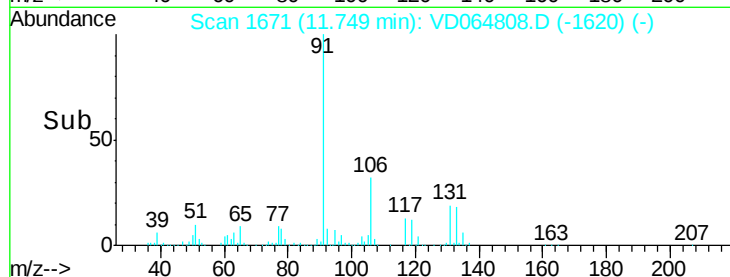
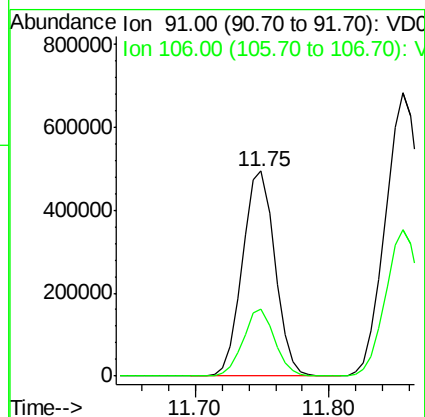
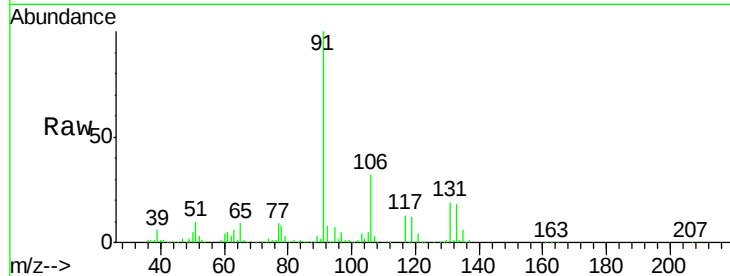
91 100

106 32.5 24.6 36.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 102.469 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064808.D

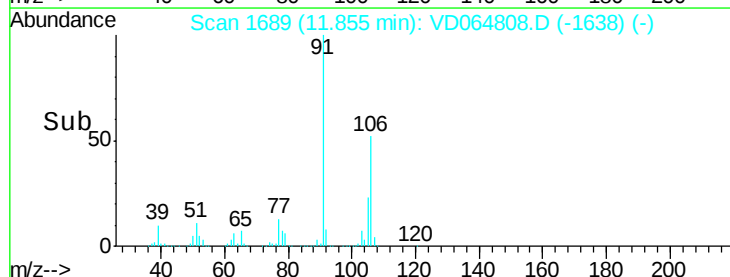
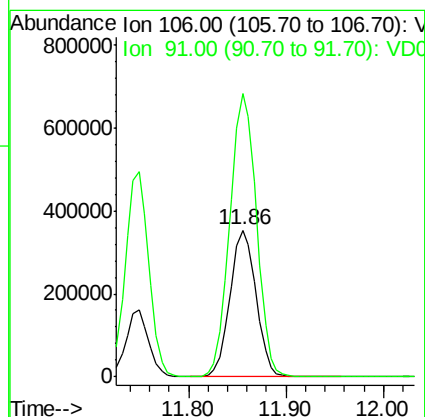
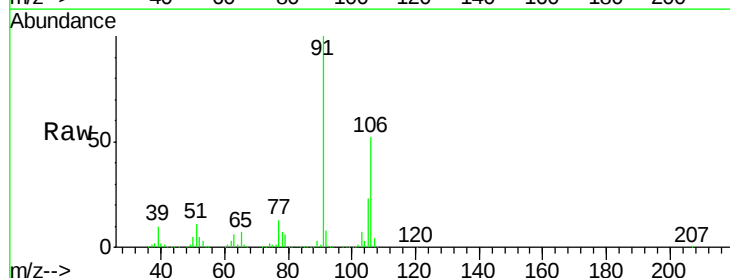
Acq: 09 Jan 2020 10:25

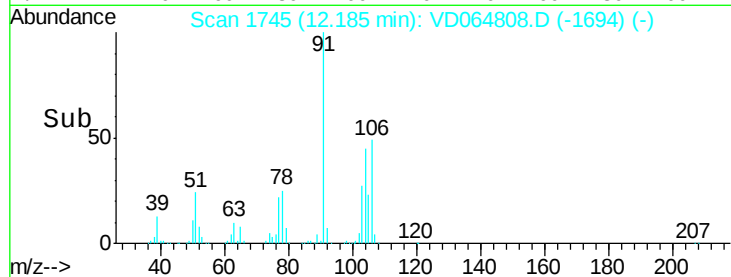
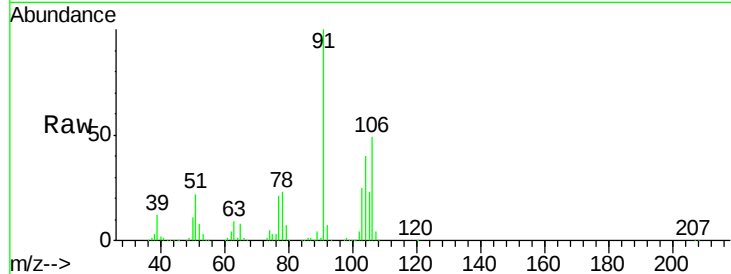
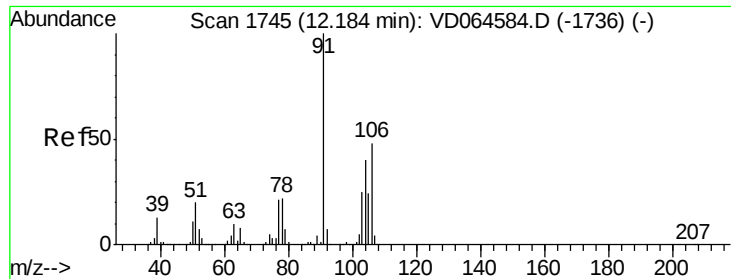
Tgt Ion: 106 Resp: 655306

Ion Ratio Lower Upper

106 100

91 197.3 156.3 234.5





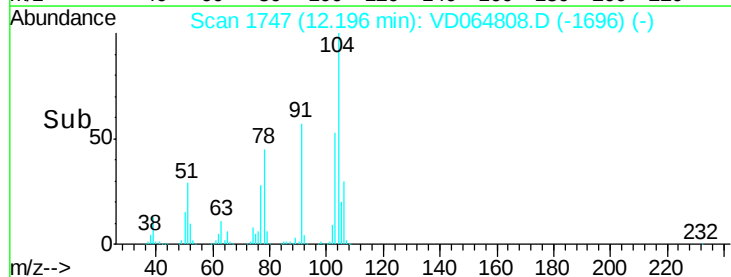
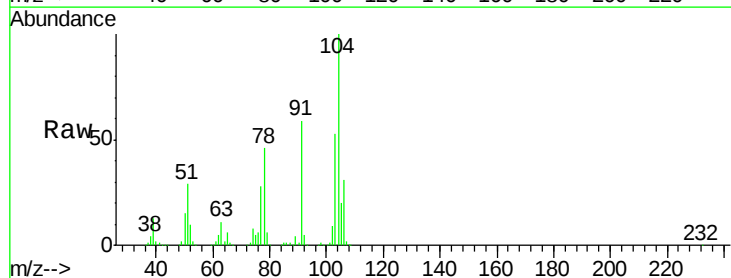
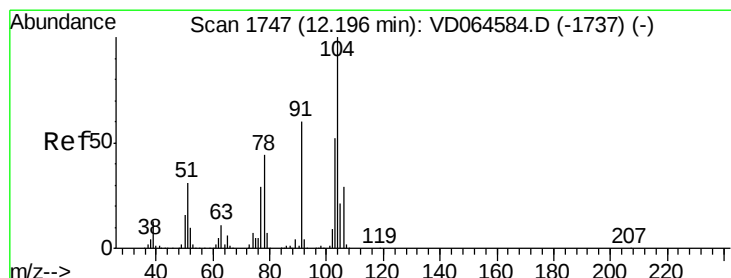
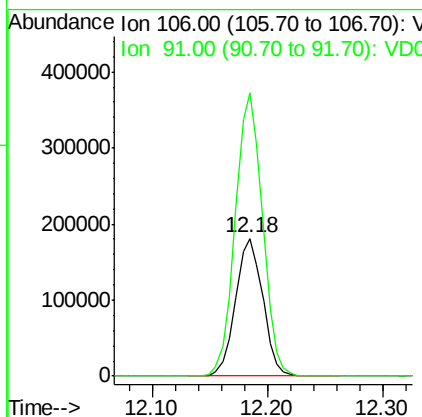
#69
o-Xylene
Concen: 51.186 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tot Ion:106 Resp: 295676
Ion Ratio Lower Upper
106 100
91 205.7 104.8 314.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

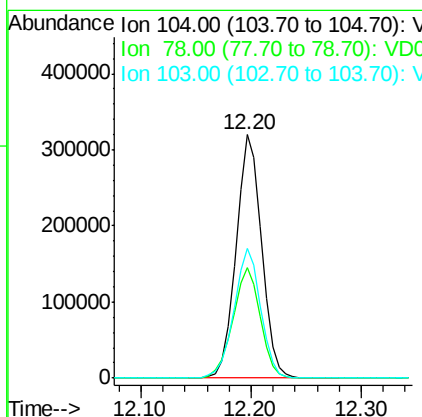
Manual Integrations
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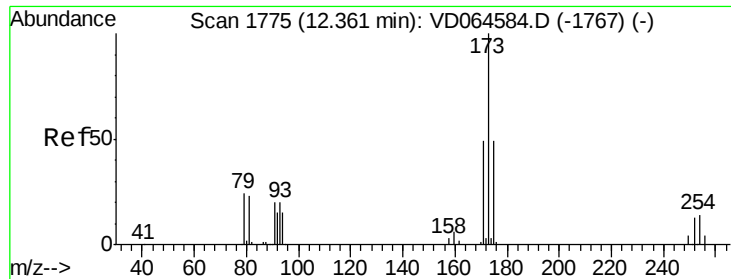
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#70
Styrene
Concen: 51.183 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion:104 Resp: 518962
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 55.6 44.6 67.0





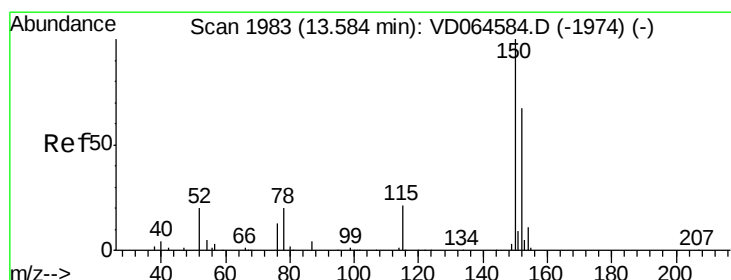
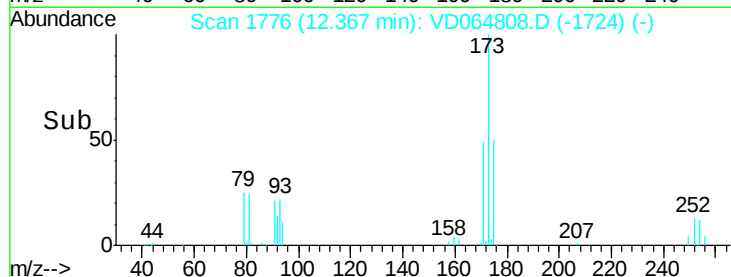
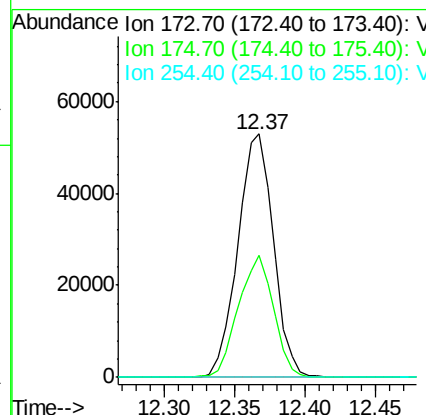
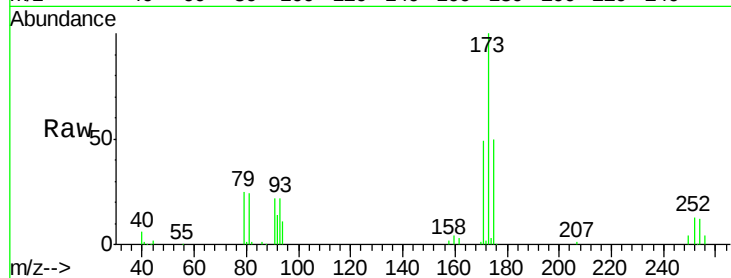
#71
Bromoform
Concen: 47.461 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.6	73.8
254	0.0	0.1	0.1#

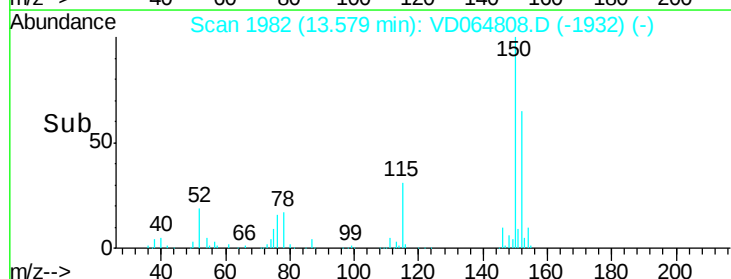
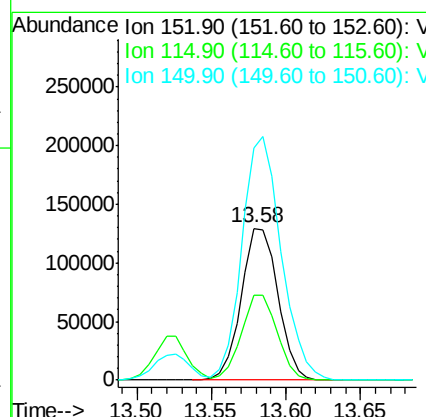
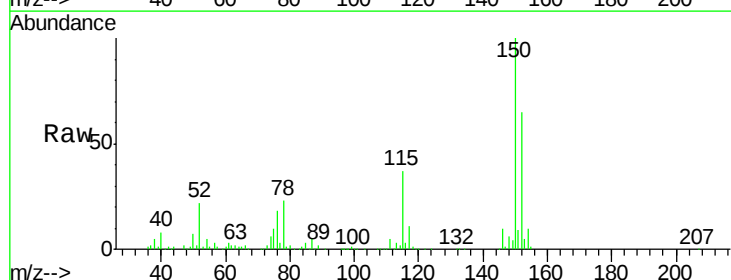
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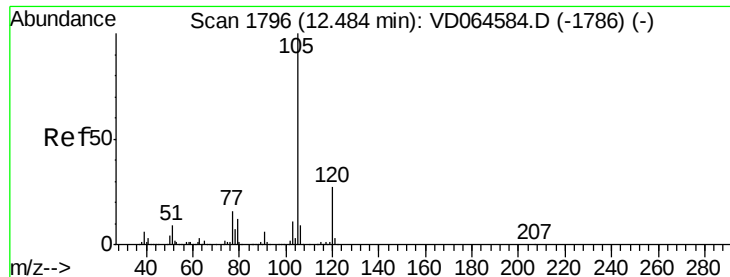
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.8	83.4
150	171.3	0.0	351.4





#73

Isopropylbenzene

Concen: 50.707 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 799578

Ion Ratio Lower Upper

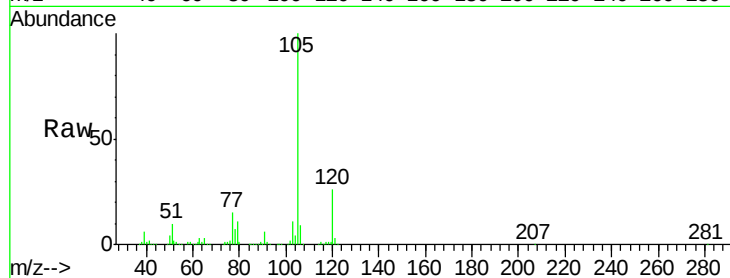
105 100

120 26.5 13.5 40.5

Manual Integrations
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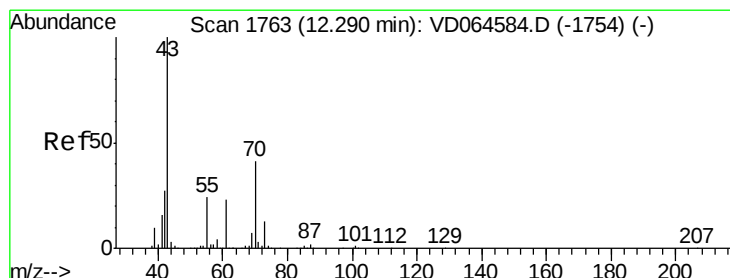
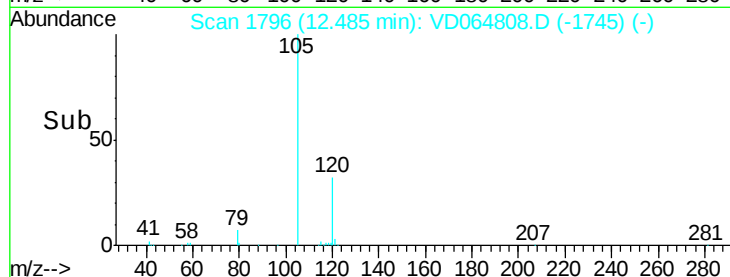
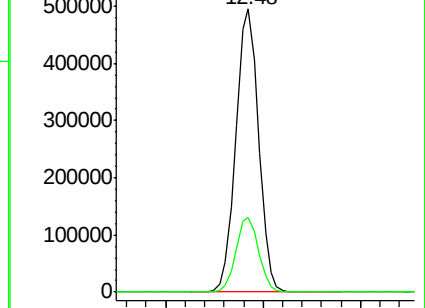
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.652 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Tgt Ion: 43 Resp: 153880

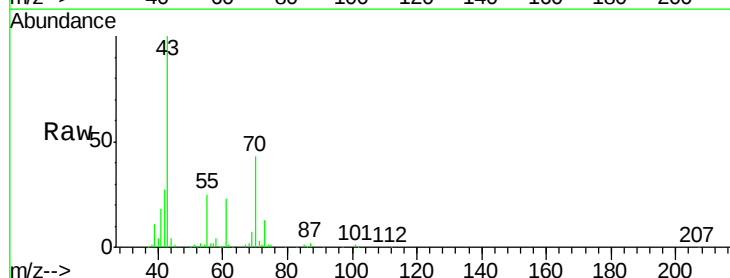
Ion Ratio Lower Upper

43 100

70 44.6 33.4 50.0

55 25.9 19.4 29.0

61 23.2 18.3 27.5

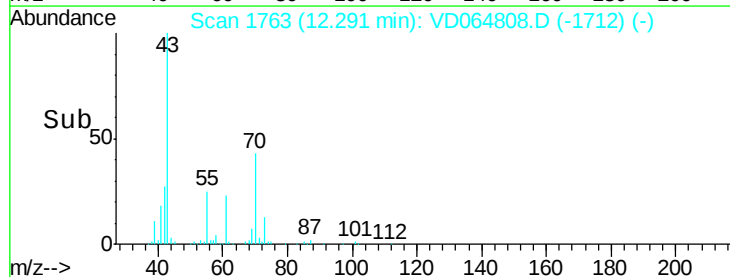
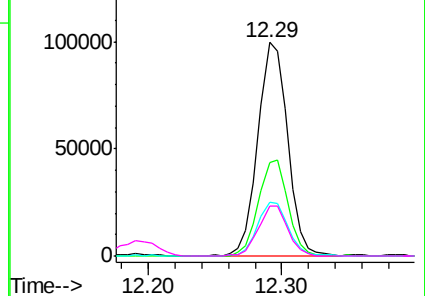


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.547 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 117779

Ion Ratio Lower Upper

83 100

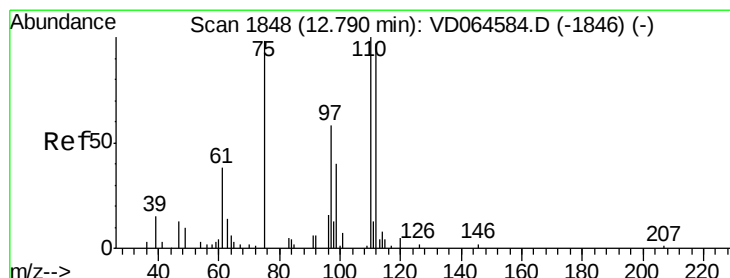
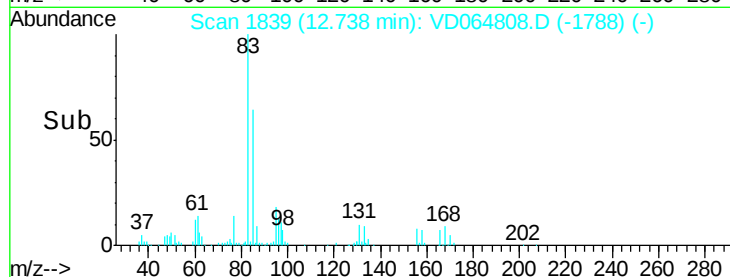
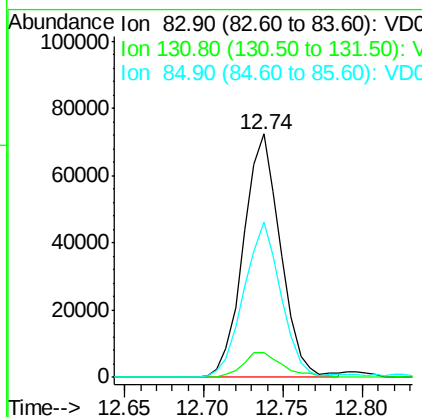
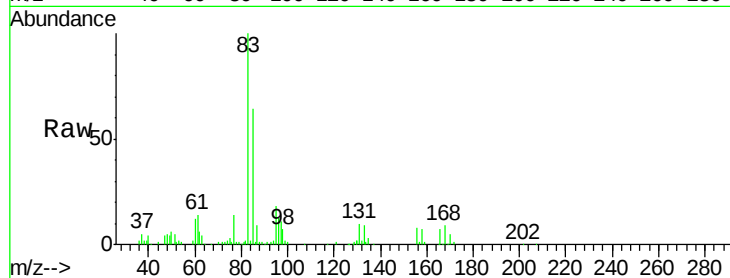
131 11.1 5.8 17.4

85 64.1 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 42.661 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064808.D

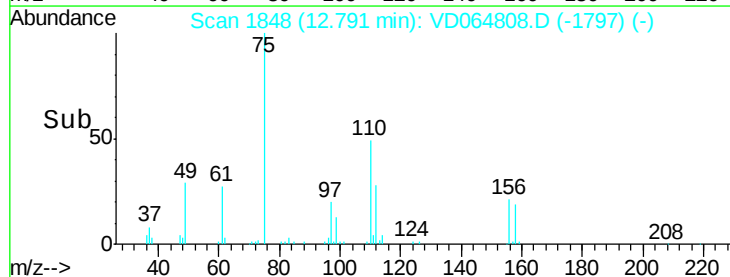
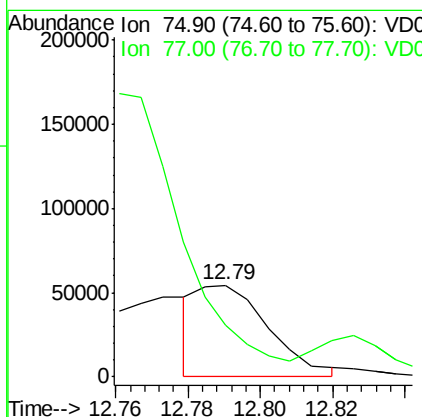
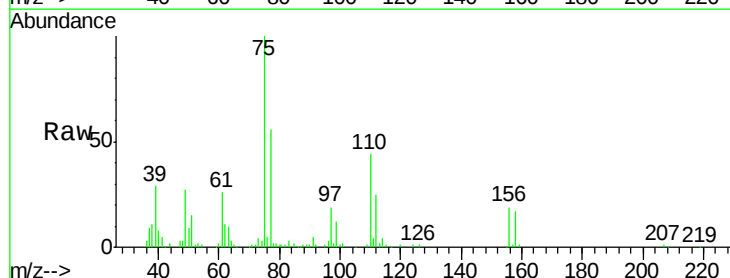
Acq: 09 Jan 2020 10:25

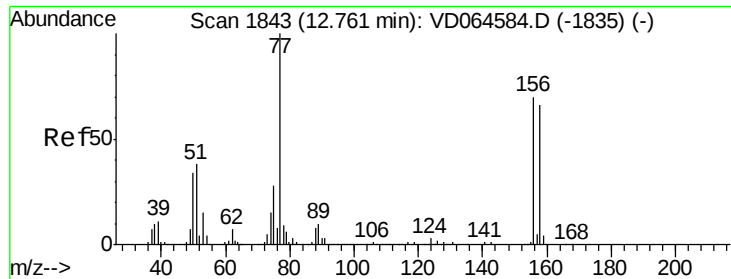
Tgt Ion: 75 Resp: 74334

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





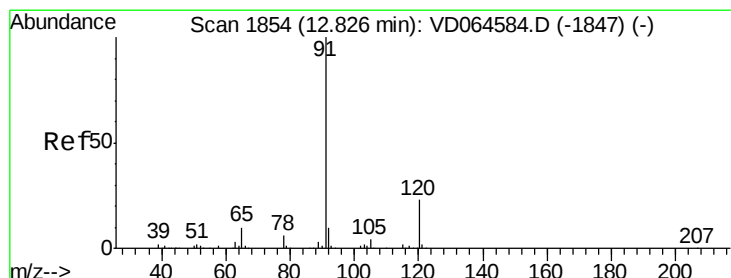
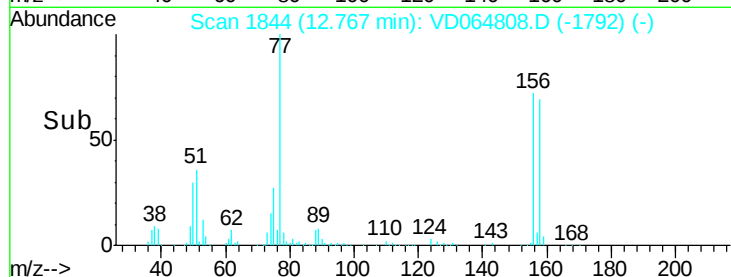
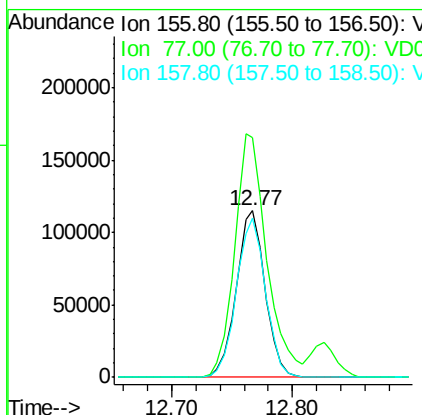
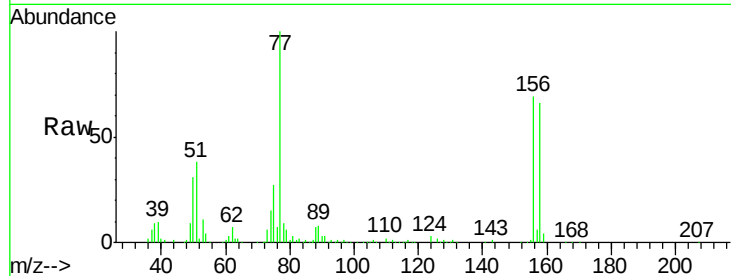
#77
Bromobenzene
Concen: 49.261 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		190864		
77	163.6	80.9	242.7		
158	96.4	48.0	144.2		

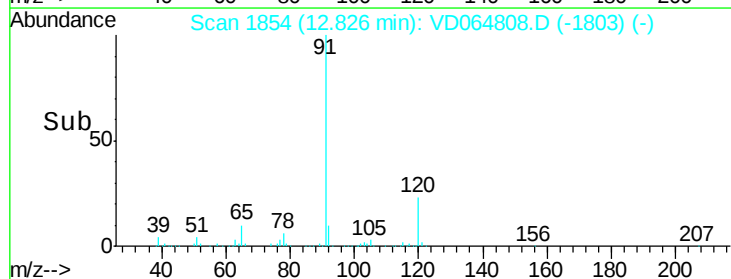
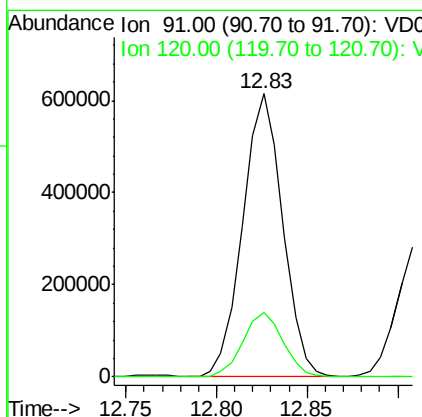
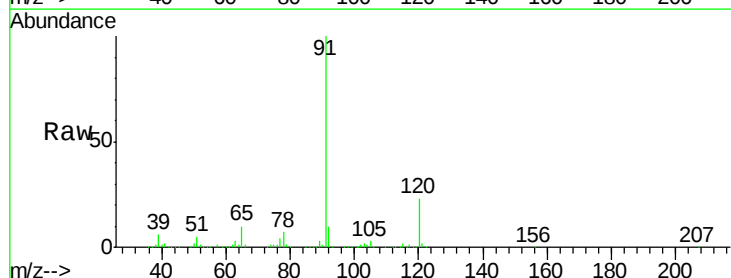
Manual Integrations
APPROVED

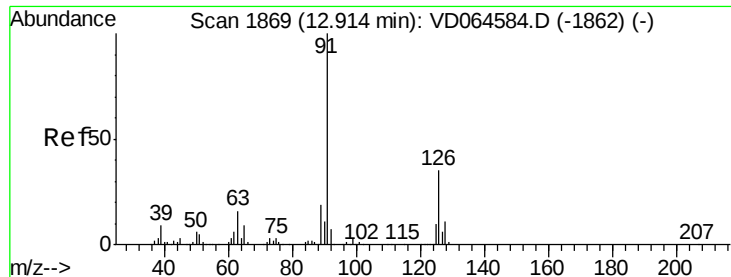
MMDadoda
1/10/2020 10:41:52 AM



#78
n-propylbenzene
Concen: 50.993 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		938075		
120	23.0	11.9	35.9		





#79

2-Chlorotoluene

Concen: 50.977 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 515152

Ion Ratio Lower Upper

91 100

126 36.0

17.8

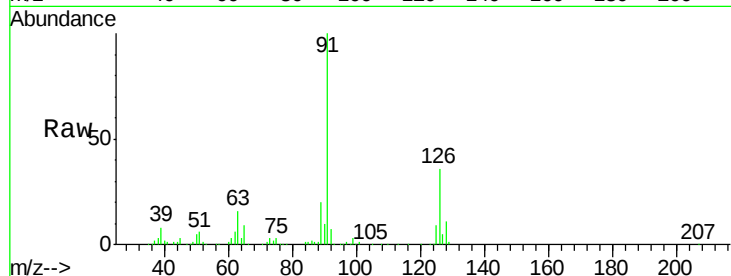
53.5

Manual Integrations

APPROVED

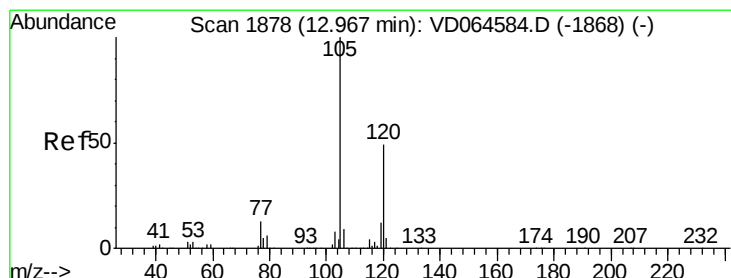
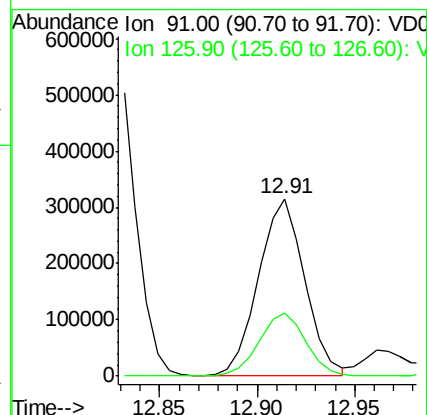
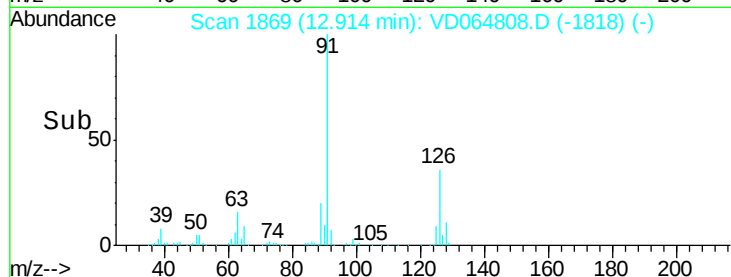
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Abundance Ion 91.00 (90.70 to 91.70): VD064808.D (-1818) (-)

Ion 125.90 (125.60 to 126.60): VD064808.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.325 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Tgt Ion: 105 Resp: 664817

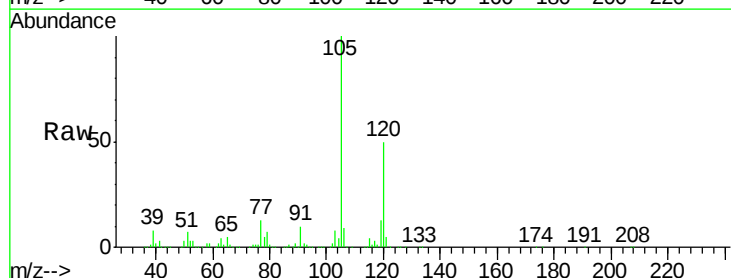
Ion Ratio Lower Upper

105 100

120 49.9

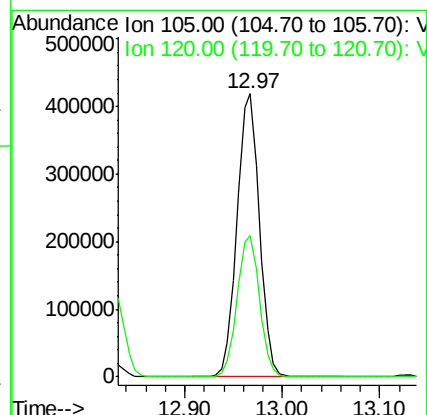
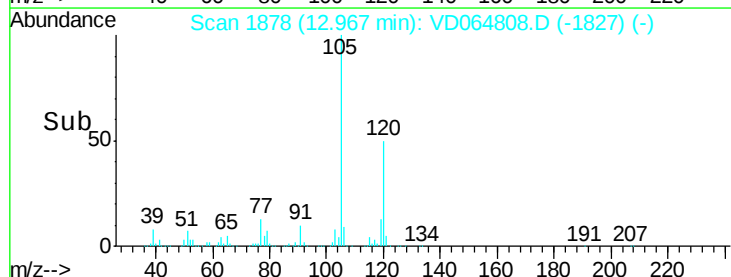
25.0

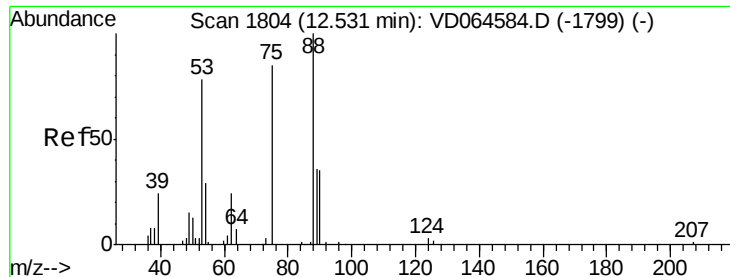
75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064808.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD064808.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.811 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Instrument :

MSVOA_D

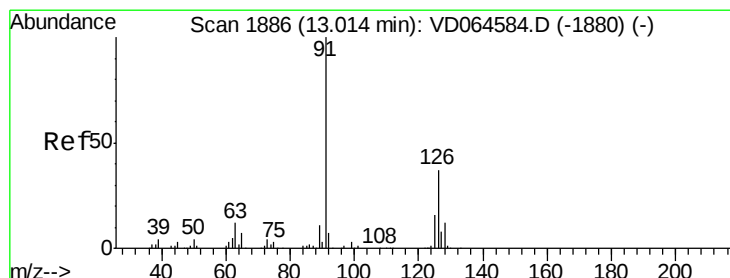
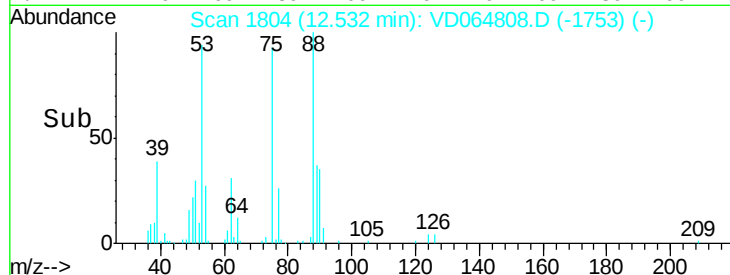
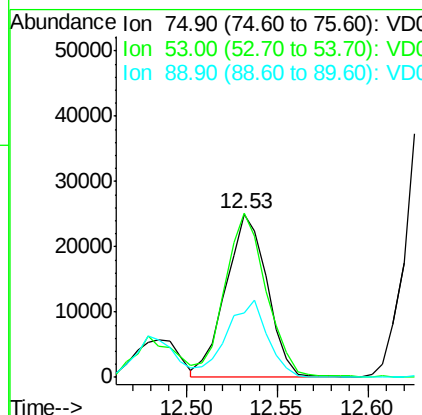
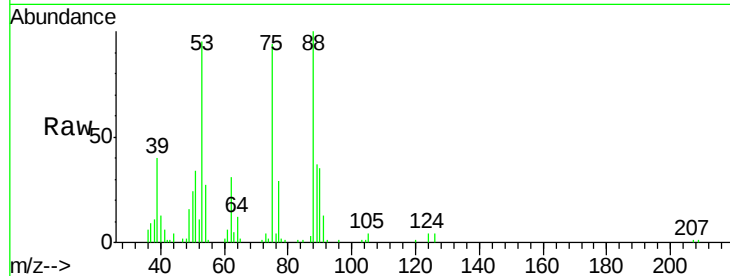
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	39832
Ion	Ratio	Lower	Upper
75	100		
53	101.5	78.8	118.2
89	46.6	38.3	57.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.379 ug/l

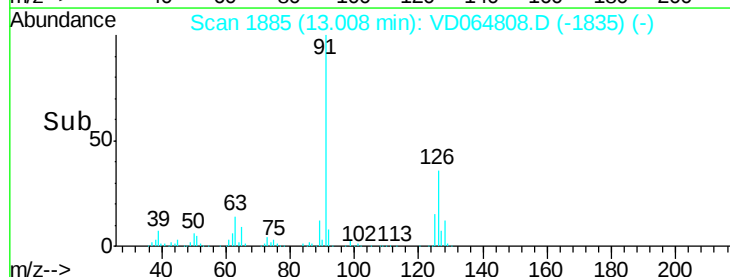
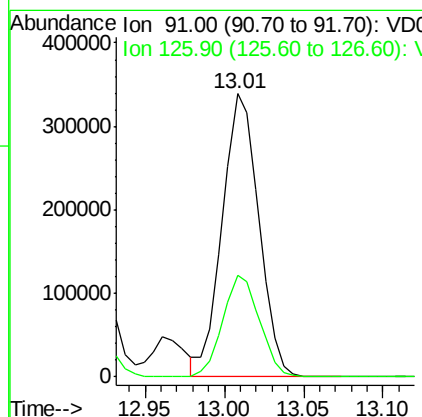
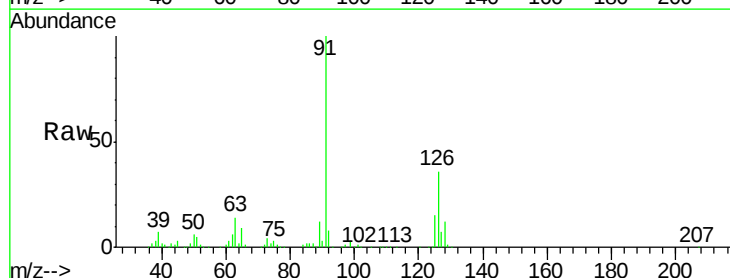
RT: 13.01 min Scan# 1885

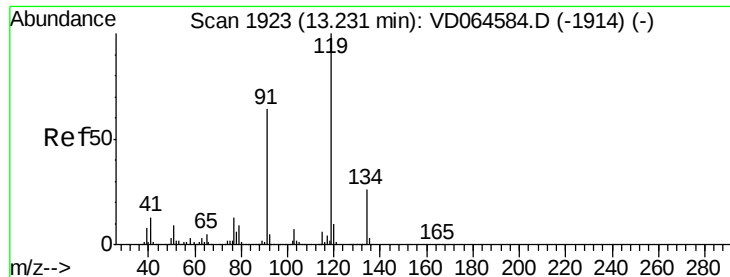
Delta R.T. -0.01 min

Lab File: VD064808.D

Acq: 09 Jan 2020 10:25

Tgt Ion:	91	Resp:	541797
Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.5





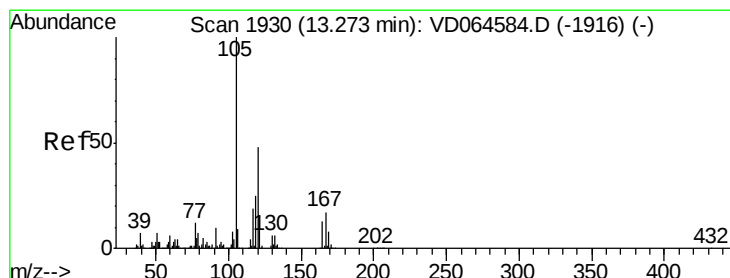
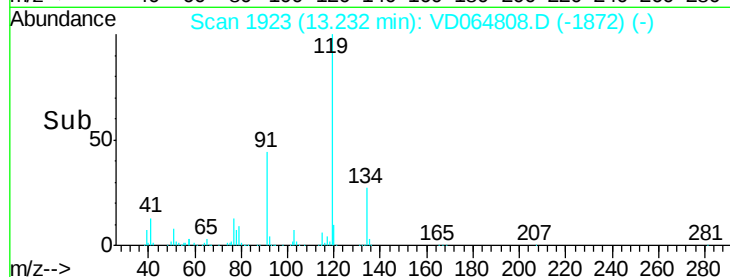
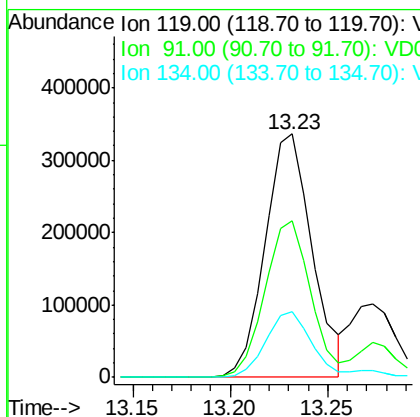
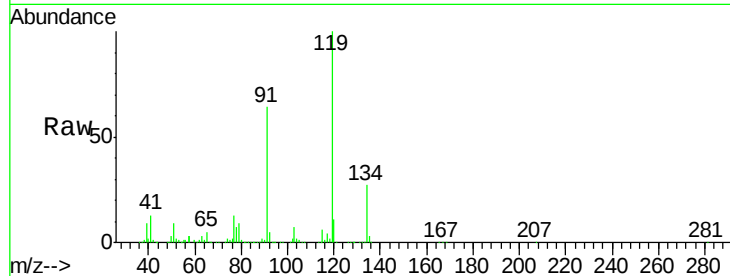
#83
tert-Butylbenzene
Concen: 50.080 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.8	92.4
134	26.3	12.8	38.3

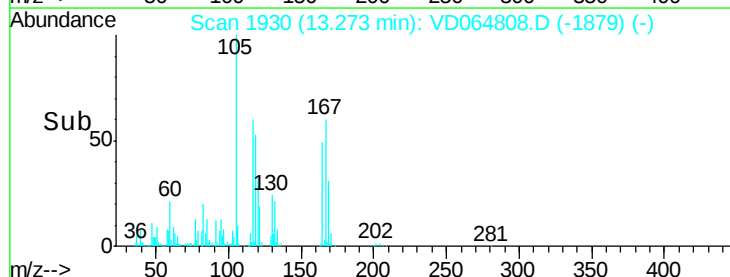
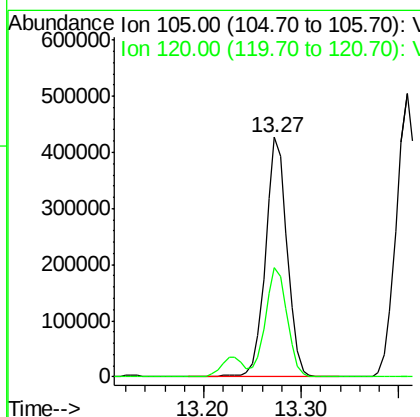
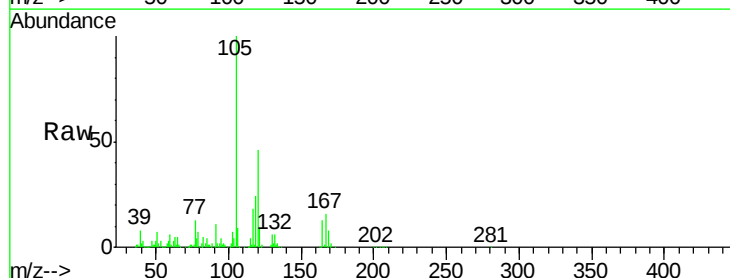
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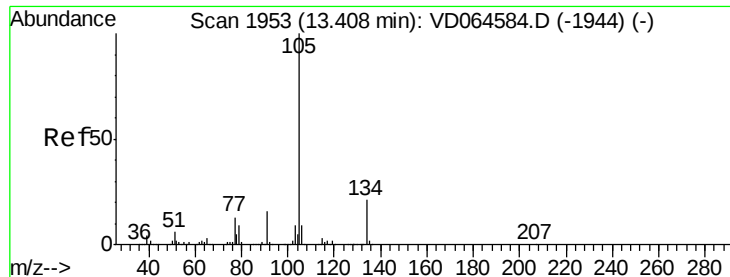
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.186 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.8	71.2





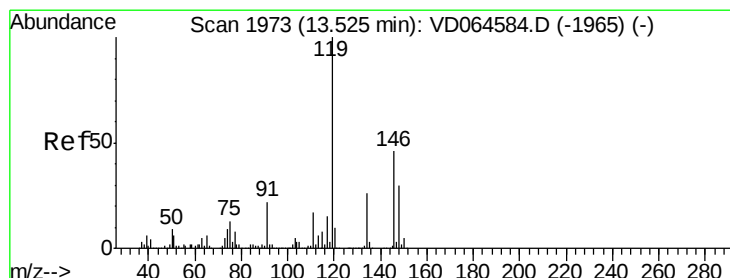
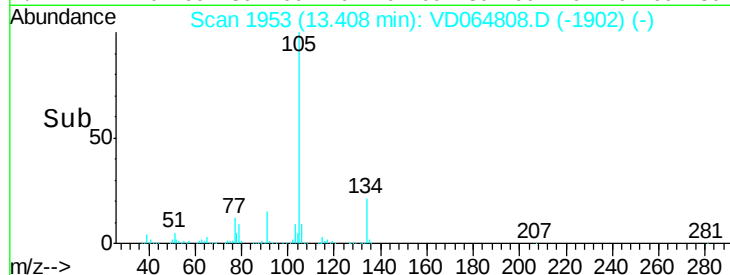
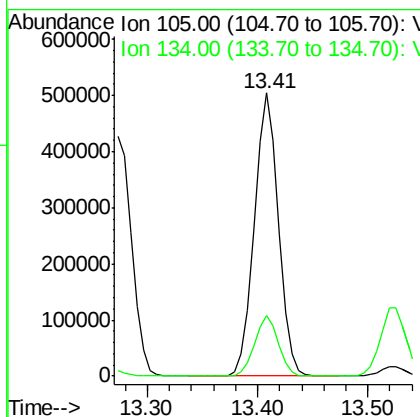
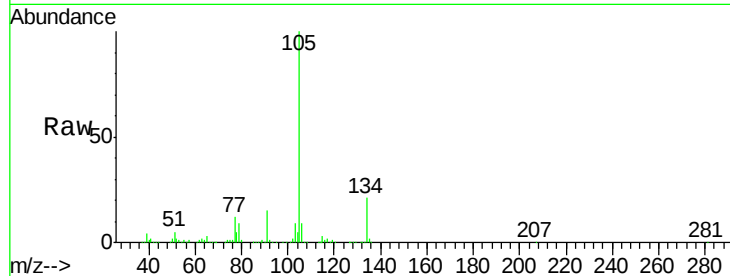
#85
 sec-Butylbenzene
 Concen: 50.133 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.6	31.8

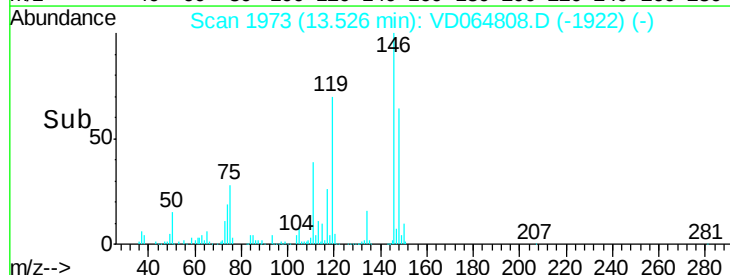
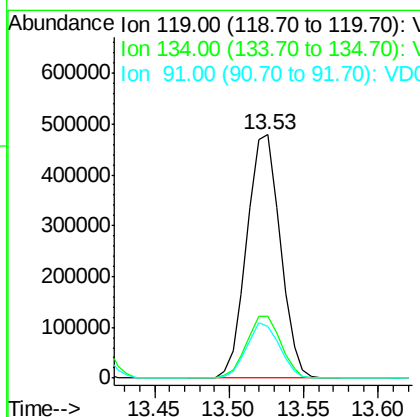
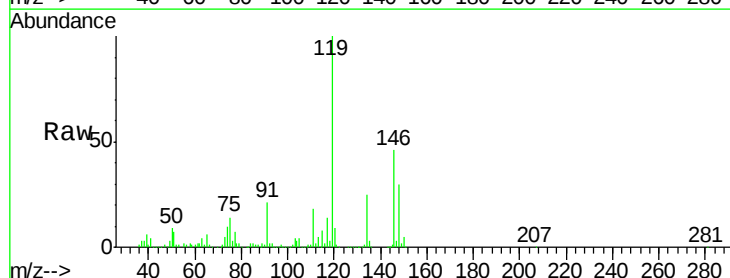
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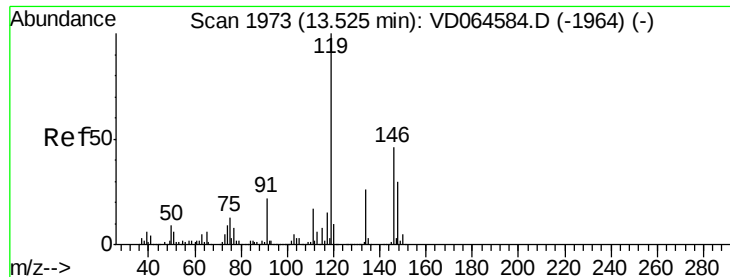
MMDadoda
 1/10/2020 10:41:52 AM



#86
 p-Isopropyltoluene
 Concen: 50.162 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.1
91	22.3	11.2	33.6





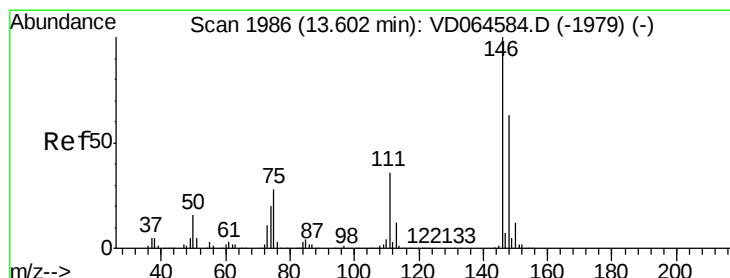
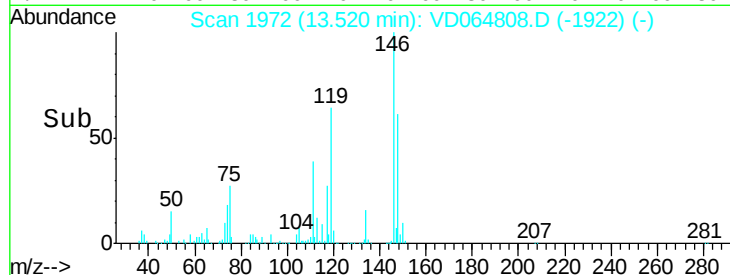
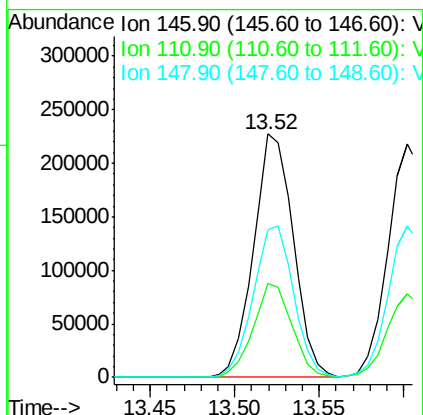
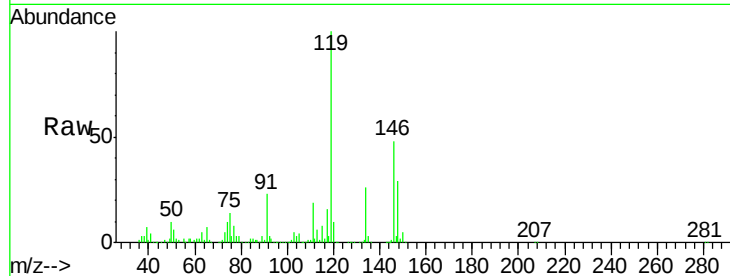
#87
 1,3-Dichlorobenzene
 Concen: 50.496 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	63.1	32.5	97.5

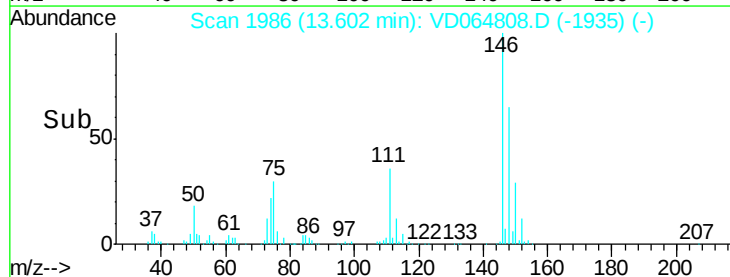
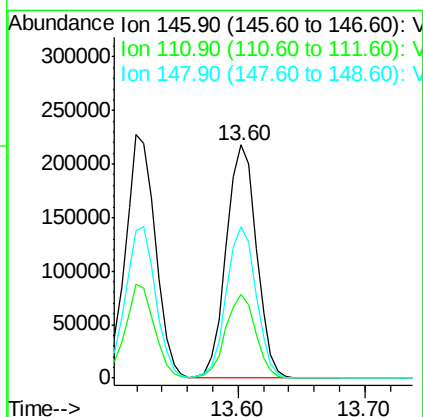
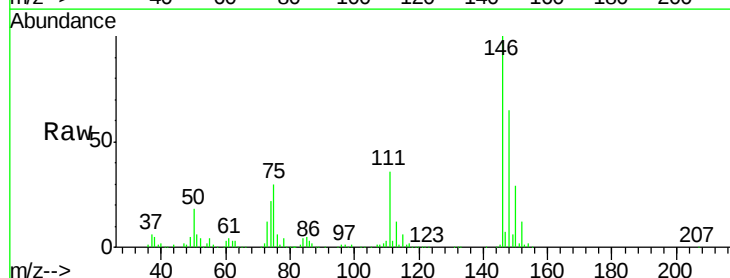
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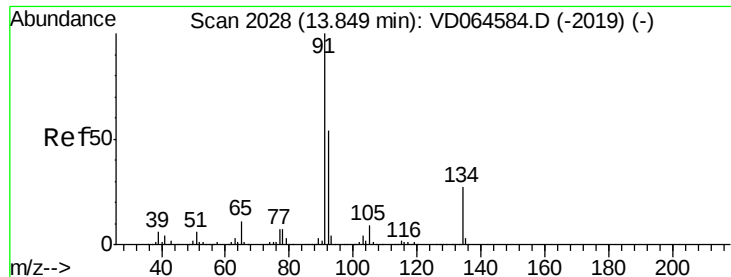
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 1/10/2020 10:41:52 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.461 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.1	54.1
148	63.9	32.3	96.9





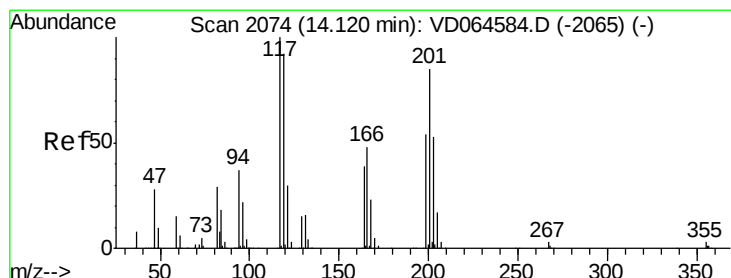
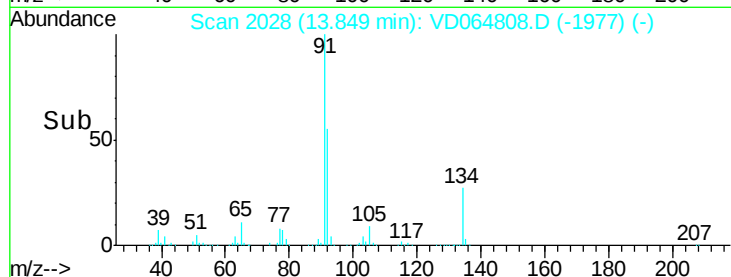
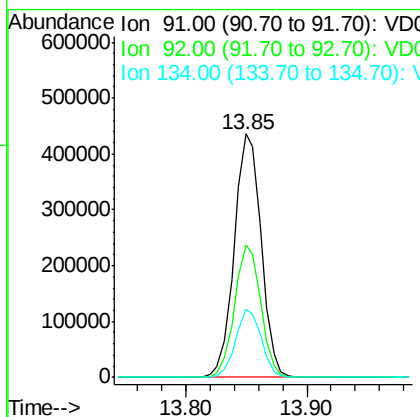
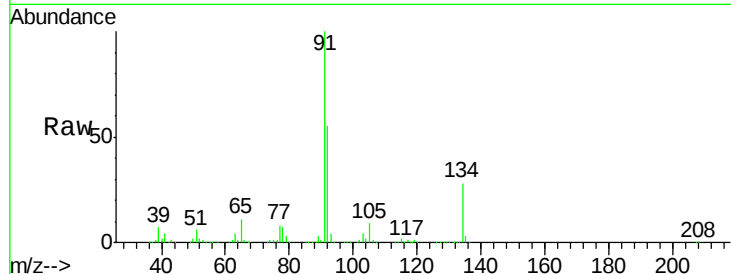
#89
n-Butylbenzene
Concen: 50.857 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	675206		
92	52.8		26.8	80.4
134	26.8		14.0	41.9

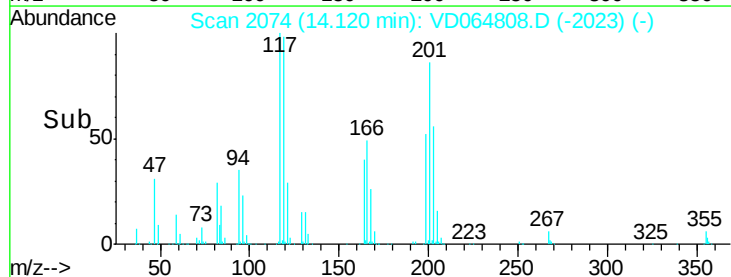
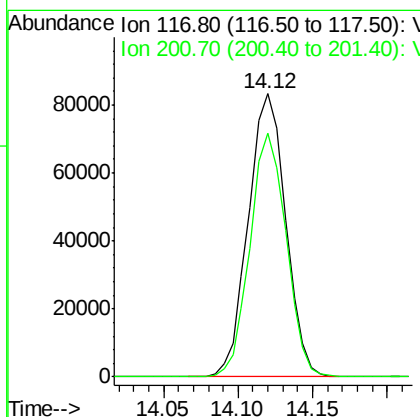
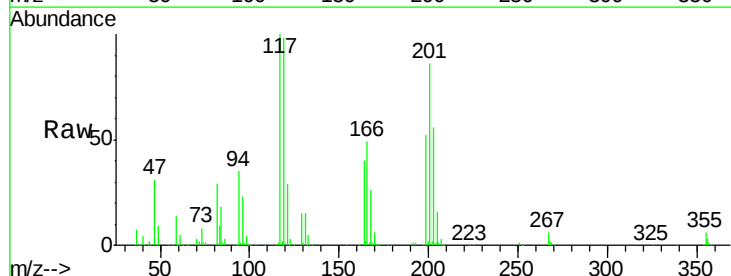
Manual Integrations
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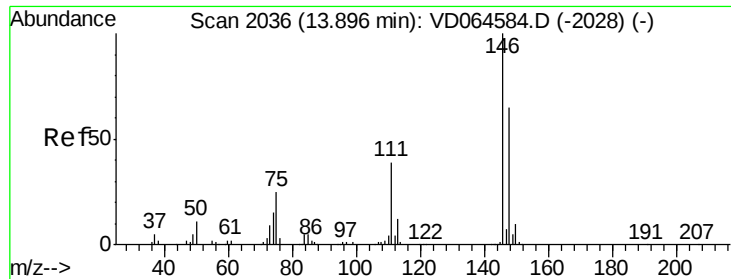
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#90
Hexachloroethane
Concen: 51.259 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	144356		
201	83.6		44.0	131.8





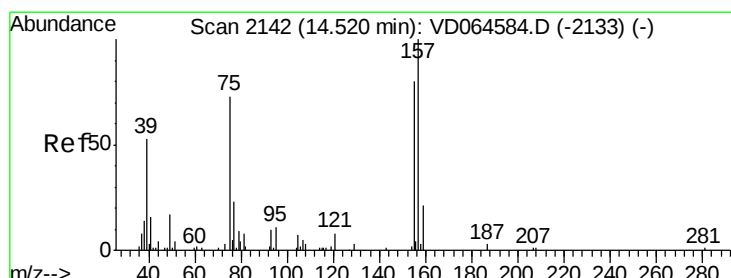
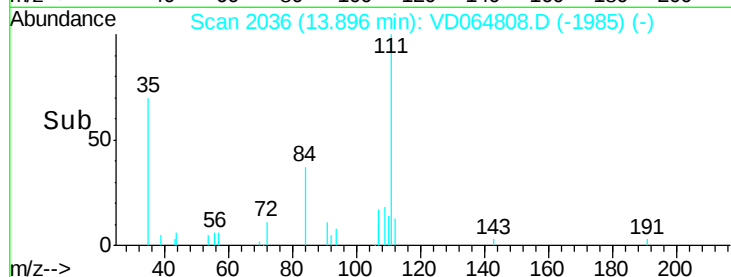
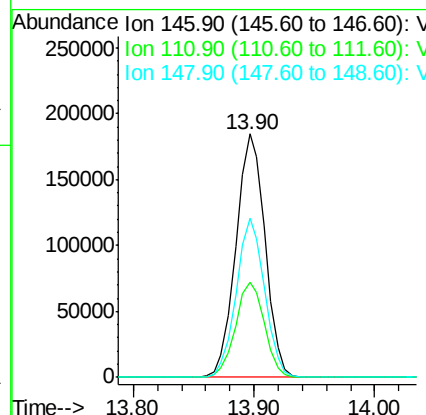
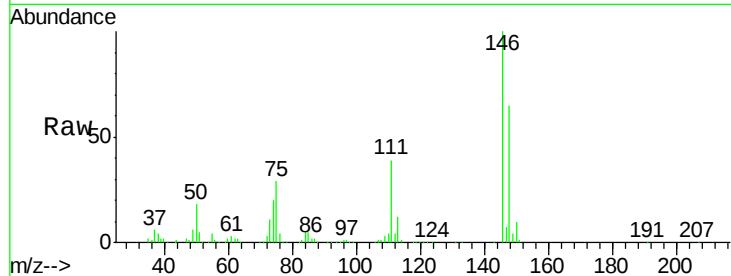
#91
1,2-Dichlorobenzene
Concen: 49.248 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	63.6	31.9	95.5

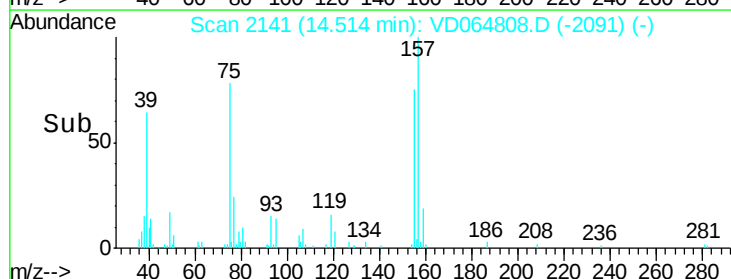
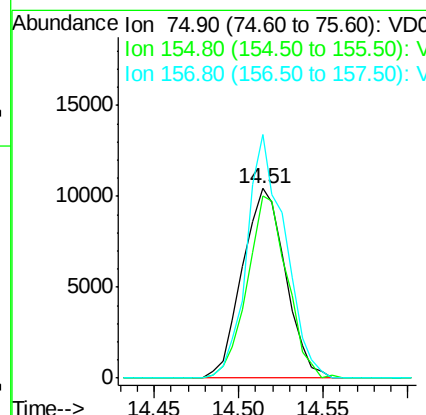
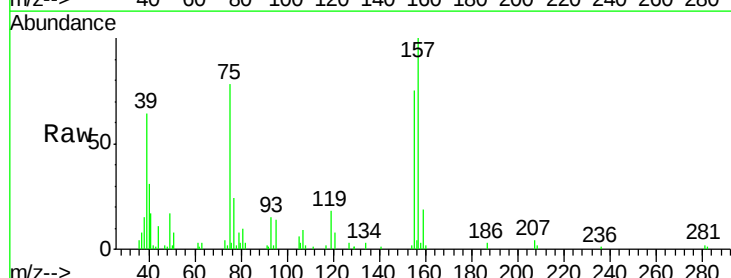
Manual Integrations
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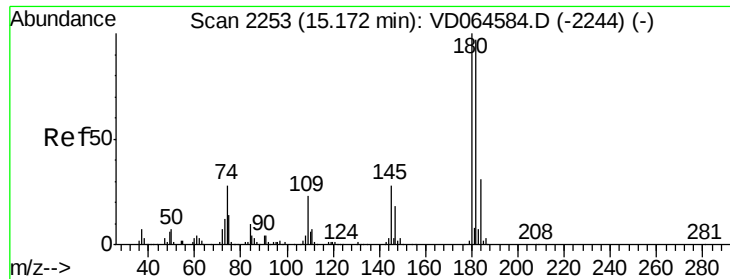
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#92
1,2-Dibromo-3-Chloropropane
Concen: 46.286 ug/l
RT: 14.51 min Scan# 2141
Delta R.T. -0.01 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	48.0	144.0
157	113.0	64.1	192.3





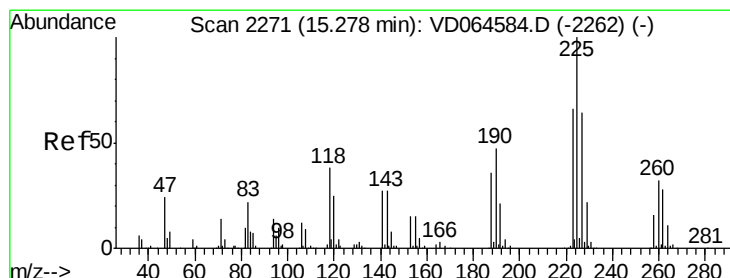
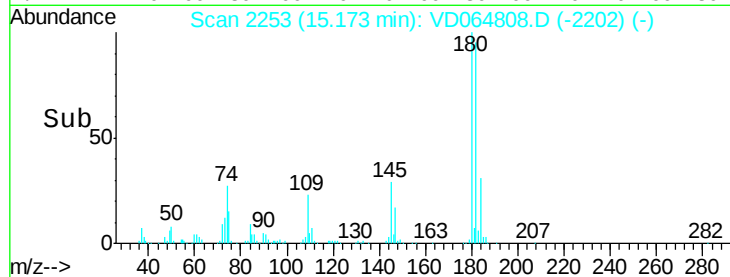
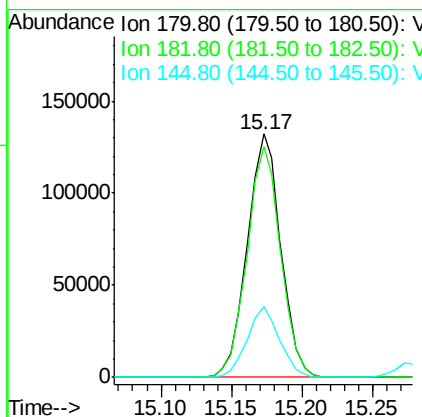
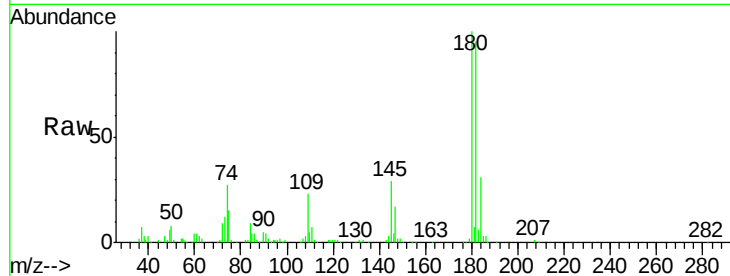
#93
 1,2,4-Trichlorobenzene
 Concen: 47.506 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	220310		
182	95.1	48.0	144.2	
145	28.3	13.8	41.4	

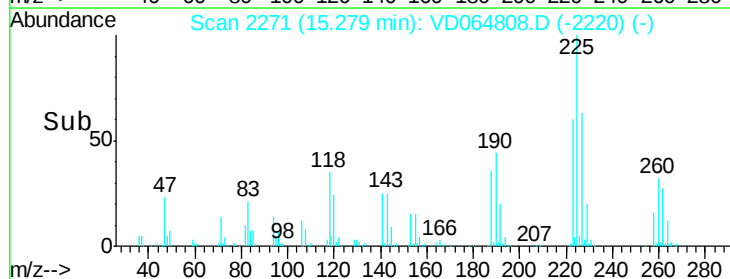
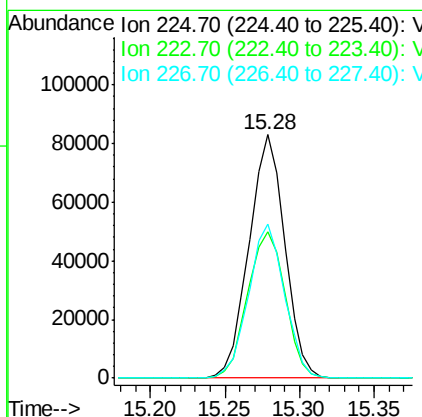
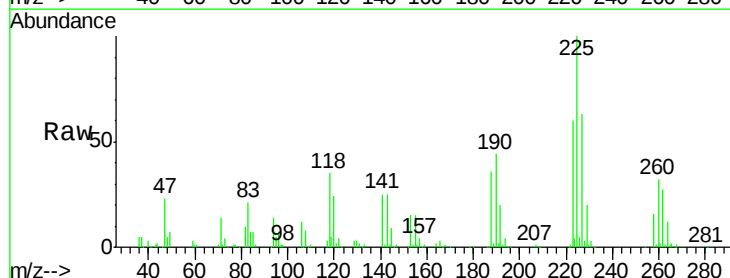
Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:41:52 AM



#94
 Hexachlorobutadiene
 Concen: 47.162 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064808.D
 Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	137629		
223	62.8	31.1	93.2	
227	63.3	30.9	92.7	





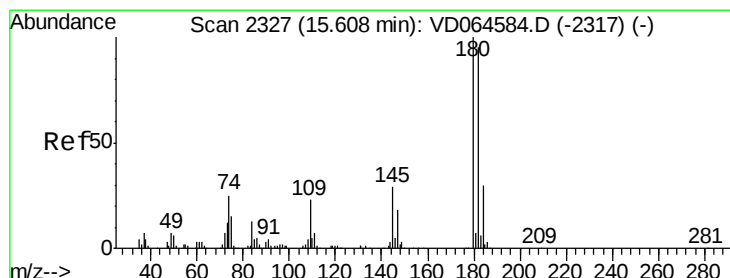
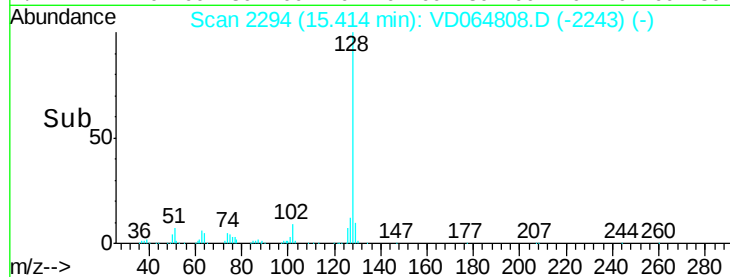
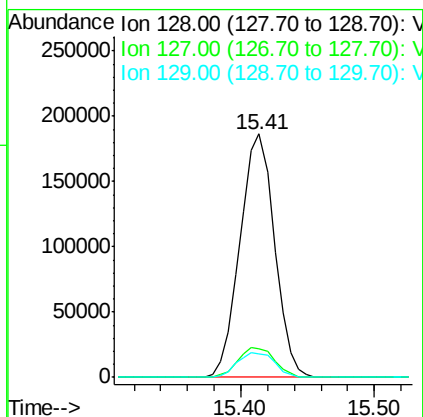
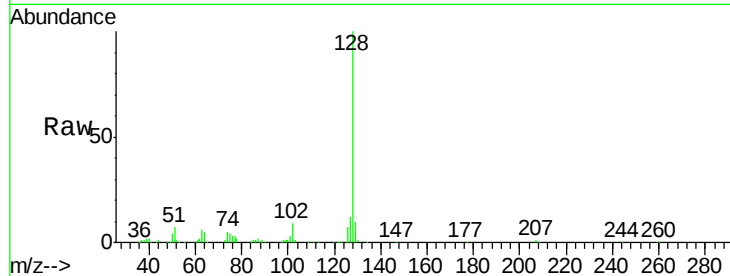
#95
Naphthalene
Concen: 45.496 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	333787		
127	13.1		10.3	15.5
129	10.9		8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:41:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.080 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064808.D
Acq: 09 Jan 2020 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	186393		
182	94.0		47.9	143.7
145	30.2		14.9	44.7

