

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062474.D
 Acq On : 21 May 2019 11:49
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 12:40:22 PM

Quant Time: May 22 01:49:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	781278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1122891	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	932807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	450824	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	426779	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
35) Dibromofluoromethane	6.92	113	512531	50.60	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	10.42	98	1142254	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
62) 4-Bromofluorobenzene	13.56	95	489504	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	381297	52.413	ug/l	99
3) Chloromethane	1.75	50	233664	43.173	ug/l	99
4) Vinyl Chloride	1.86	62	275199	48.320	ug/l	100
5) Bromomethane	2.15	94	111241	45.264	ug/l	99
6) Chloroethane	2.27	64	143662	52.144	ug/l	99
7) Trichlorofluoromethane	2.54	101	655219	49.791	ug/l	97
8) Diethyl Ether	2.88	74	91654	51.632	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.16	101	390600	49.893	ug/l	97
10) Methyl Iodide	3.30	142	603791	55.312	ug/l	89
11) Tert butyl alcohol	4.08	59	103022	266.879	ug/l	96
12) 1,1-Dichloroethene	3.13	96	299541	51.771	ug/l	87
13) Acrolein	3.04	56	86912	271.113	ug/l	96
14) Allyl chloride	3.63	41	442598	51.880	ug/l #	79
15) Acrylonitrile	4.20	53	244528	276.441	ug/l	90
16) Acetone	3.22	43	450829	300.824	ug/l #	83
17) Carbon Disulfide	3.38	76	900545	51.392	ug/l	99
18) Methyl Acetate	3.65	43	137587	53.204	ug/l	92
19) Methyl tert-butyl Ether	4.25	73	731381	54.729	ug/l	95
20) Methylene Chloride	3.81	84	324985	50.943	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	364250	53.776	ug/l	92
22) Diisopropyl ether	5.12	45	995197	54.805	ug/l #	88
23) Vinyl Acetate	5.05	43	2990927	272.583	ug/l	98
24) 1,1-Dichloroethane	5.00	63	631351	53.985	ug/l	99
25) 2-Butanone	6.08	43	463144	295.478	ug/l	98
26) 2,2-Dichloropropane	6.03	77	680471	53.977	ug/l	90
27) cis-1,2-Dichloroethene	6.04	96	400808	54.877	ug/l	93
28) Bromochloromethane	6.44	49	216929	51.682	ug/l	88
29) Tetrahydrofuran	6.46	42	214359	286.350	ug/l	96
30) Chloroform	6.67	83	774520	51.947	ug/l	99
31) Cyclohexane	6.95	56	398378	50.451	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	784121	52.091	ug/l	97
36) 1,1-Dichloropropene	7.15	75	511448	47.640	ug/l	98
37) Ethyl Acetate	6.19	43	211357	50.678	ug/l #	87
38) Carbon Tetrachloride	7.11	117	783165m	49.085	ug/l	

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Quant Time: May 22 01:49:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	451962	51.042	ug/l	95
40) Benzene	7.46	78	1012344	48.074	ug/l	100
41) Methacrylonitrile	6.45	41	277092	52.901	ug/l #	89
42) 1,2-Dichloroethane	7.58	62	546795	49.036	ug/l	93
43) Isopropyl Acetate	9.25	43	287573	51.977	ug/l #	89
44) Trichloroethene	8.55	130	420691	49.895	ug/l	90
45) 1,2-Dichloropropane	8.94	63	266391	51.910	ug/l	96
46) Dibromomethane	9.07	93	236167	50.769	ug/l	90
47) Bromodichloromethane	9.37	83	607497	51.336	ug/l	100
48) Methyl methacrylate	9.12	41	188447	50.614	ug/l #	84
49) 1,4-Dioxane	9.08	88	35780	1071.373	ug/l #	90
51) 4-Methyl-2-Pentanone	10.30	43	978908	267.824	ug/l	95
52) Toluene	10.52	92	687134	47.665	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	502295	50.983	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	529621	51.519	ug/l #	88
55) 1,1,2-Trichloroethane	11.20	97	252078	51.593	ug/l	97
56) Ethyl methacrylate	11.05	69	271261	51.935	ug/l #	88
57) 1,3-Dichloropropane	11.41	76	390410	52.103	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	680864	253.862	ug/l	99
59) 2-Hexanone	11.54	43	728824	274.364	ug/l	94
60) Dibromochloromethane	11.69	129	477567	50.890	ug/l	99
61) 1,2-Dibromoethane	11.81	107	315612	52.417	ug/l	96
64) Tetrachloroethene	11.26	164	383226	49.066	ug/l	94
65) Chlorobenzene	12.40	112	855210	47.675	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	405266	48.943	ug/l	96
67) Ethyl Benzene	12.52	91	1568070	50.751	ug/l	96
68) m/p-Xylenes	12.67	106	1041056	93.865	ug/l	89
69) o-Xylene	13.06	106	508021	48.546	ug/l	94
70) Styrene	13.07	104	881451	49.514	ug/l	96
71) Bromoform	13.23	173	286135	52.033	ug/l	99
73) Isopropylbenzene	13.41	105	1487360	52.340	ug/l	98
74) N-amyl acetate	13.27	43	415997	59.271	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	288810	56.335	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	290147	54.640	ug/l	100
77) Bromobenzene	13.68	156	450415	55.874	ug/l	97
78) n-propylbenzene	13.77	91	1885548	57.283	ug/l	96
79) 2-Chlorotoluene	13.84	91	1112195	55.677	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	1331868	54.130	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.48	75	87526	58.444	ug/l	85
82) 4-Chlorotoluene	13.95	91	1270974	55.247	ug/l	92
83) tert-Butylbenzene	14.19	119	1441465	52.815	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	1340010	53.149	ug/l	90
85) sec-Butylbenzene	14.36	105	1550793	54.493	ug/l	95
86) p-Isopropyltoluene	14.49	119	1294761	50.204	ug/l	92
87) 1,3-Dichlorobenzene	14.45	146	755355	53.060	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	735433	53.536	ug/l	97
89) n-Butylbenzene	14.80	91	1308523	52.573	ug/l	96
90) Hexachloroethane	15.00	117	399202	56.009	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	624291	51.573	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	53427	54.903	ug/l	60

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

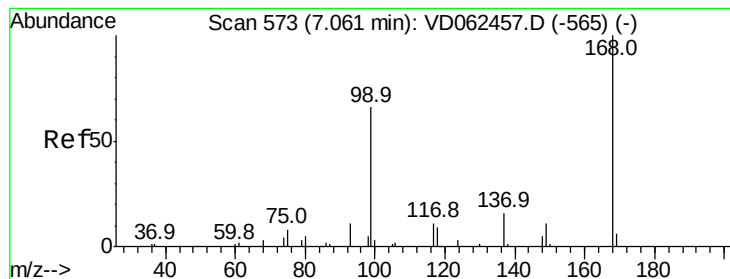
Manual Integrations
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Quant Time: May 22 01:49:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	510403	53.549	ug/l	97
94) Hexachlorobutadiene	16.04	225	397863	56.532	ug/l	99
95) Naphthalene	16.13	128	745340	57.229	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	400736	51.286	ug/l	96

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



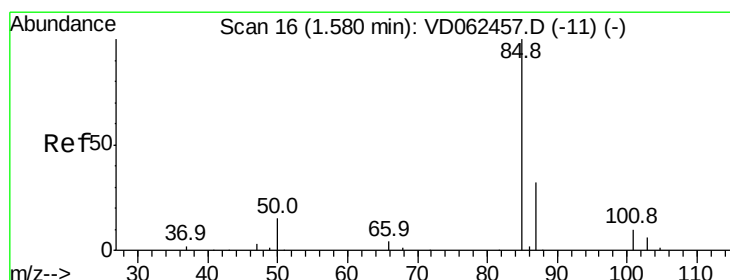
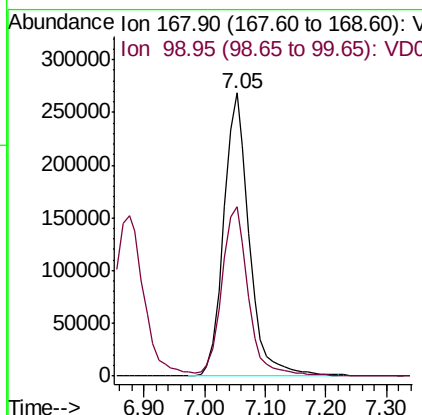
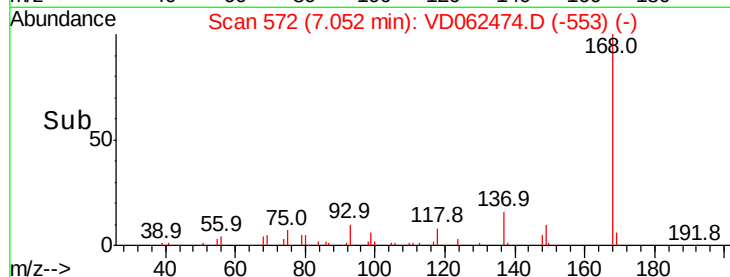
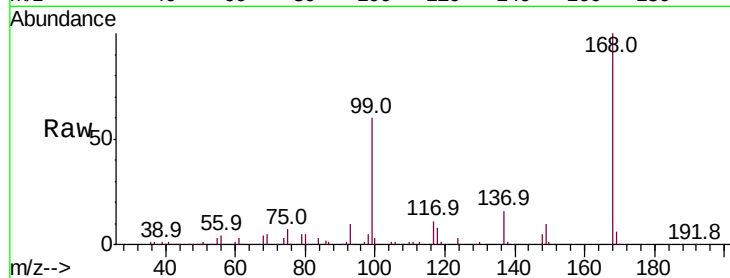
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	60.0	46.5	69.7

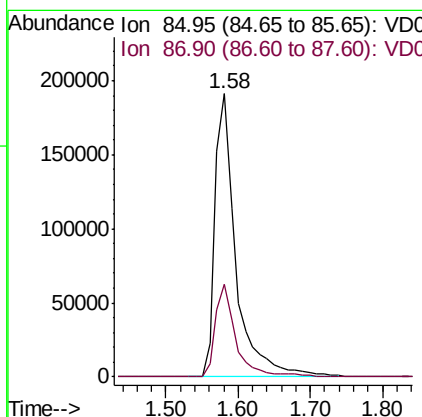
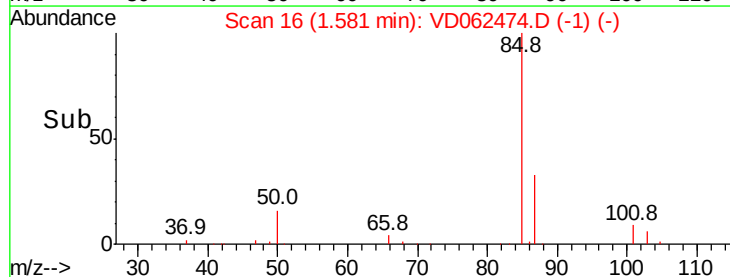
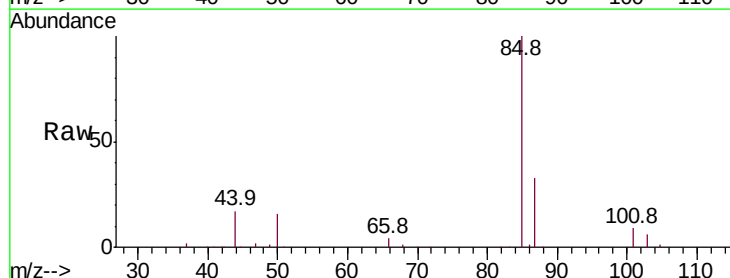
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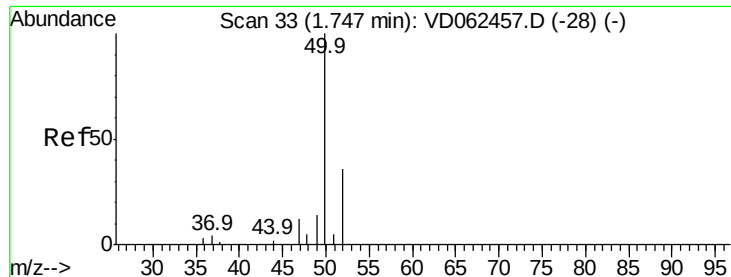
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#2
Dichlorodifluoromethane
Concen: 52.413 ug/l
RT: 1.58 min Scan# 16
Delta R.T. 0.00 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.2	48.6





#3

Chloromethane

Concen: 43.173 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 233664

Ion Ratio Lower Upper

50 100

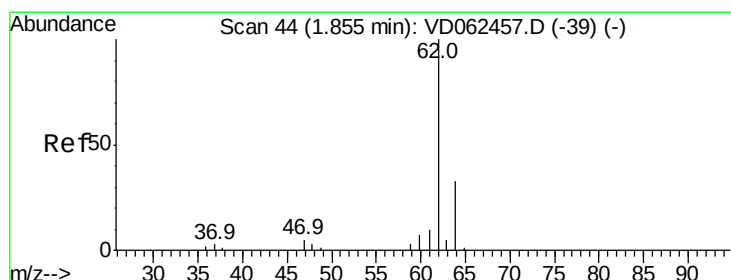
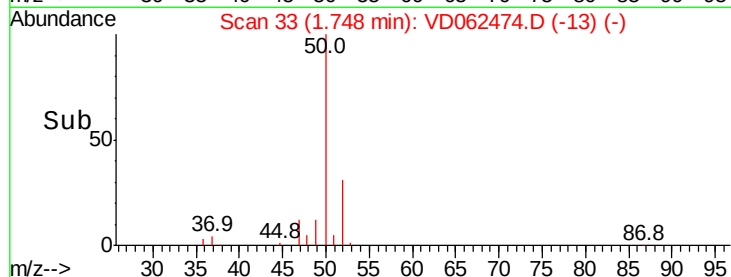
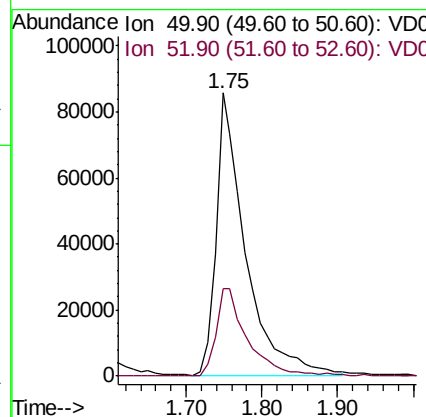
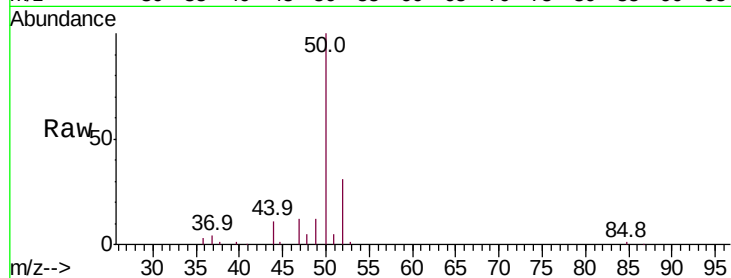
52 31.1 25.2 37.8

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#4

Vinyl Chloride

Concen: 48.320 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD062474.D

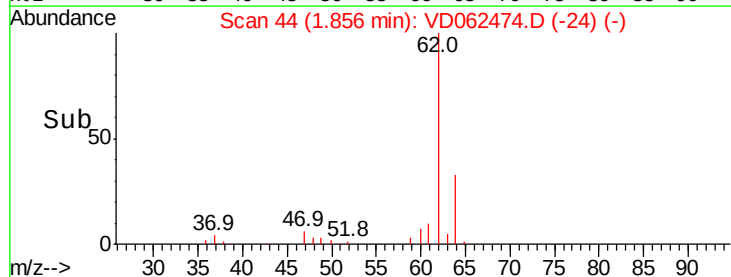
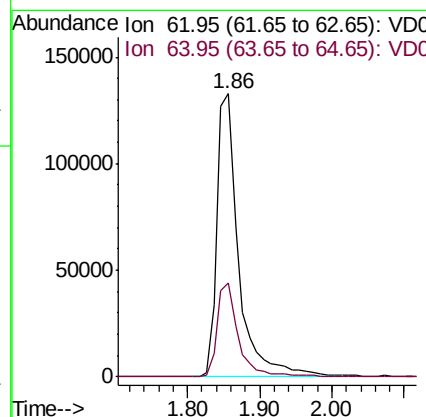
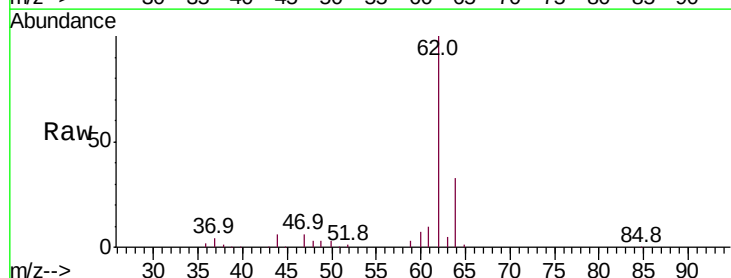
Acq: 21 May 2019 11:49

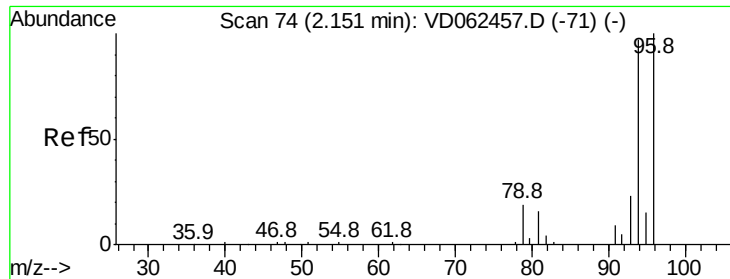
Tgt Ion: 62 Resp: 275199

Ion Ratio Lower Upper

62 100

64 33.1 26.5 39.7





#5

Bromomethane

Concen: 45.264 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

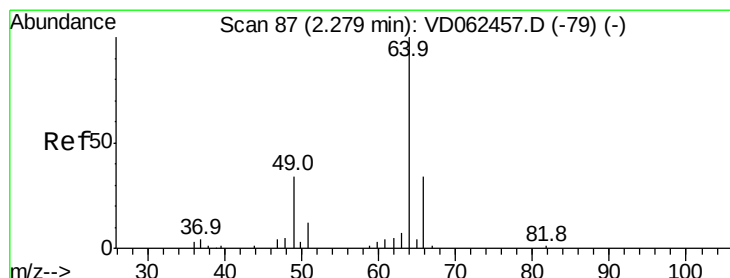
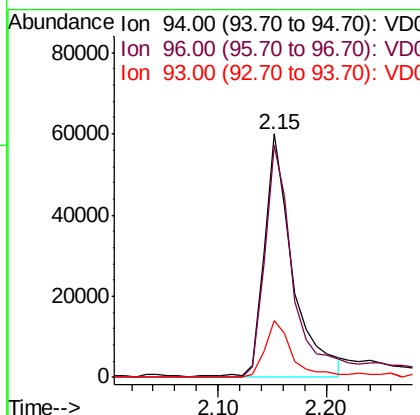
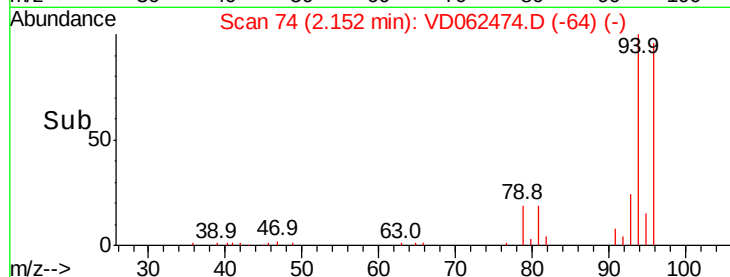
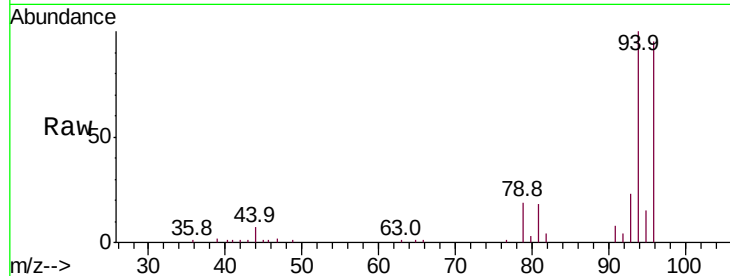
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	111241
Ion	Ratio	Lower	Upper
94	100		
96	95.3	76.6	115.0
93	23.4	18.5	27.7

Manual Integrations
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#6

Chloroethane

Concen: 52.144 ug/l

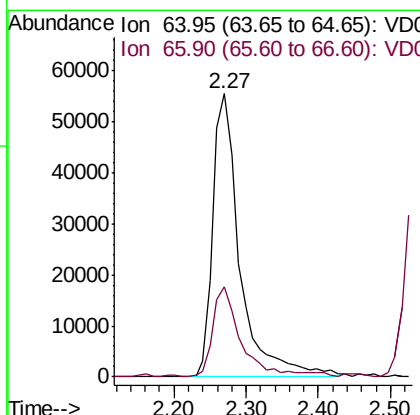
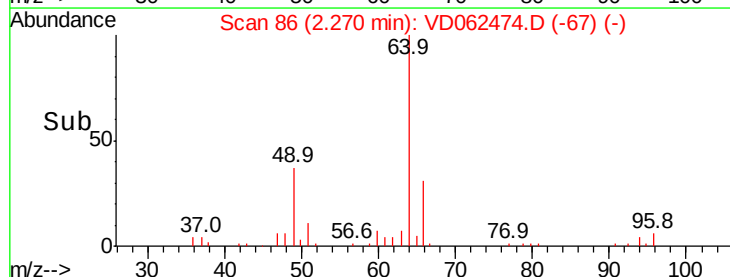
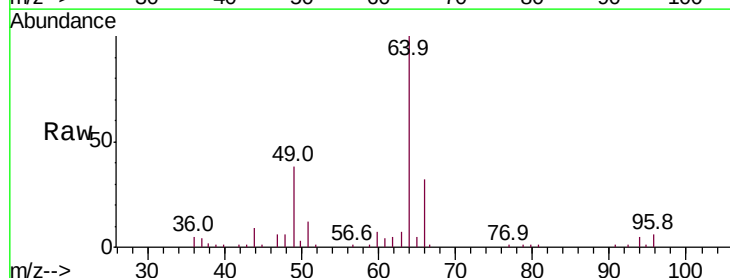
RT: 2.27 min Scan# 86

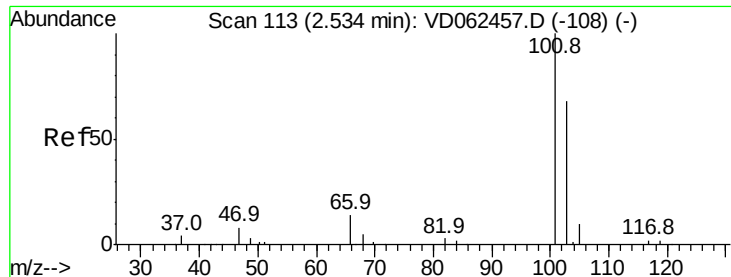
Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Tgt Ion:	64	Resp:	143662
Ion	Ratio	Lower	Upper
64	100		
66	31.6	25.6	38.4





#7

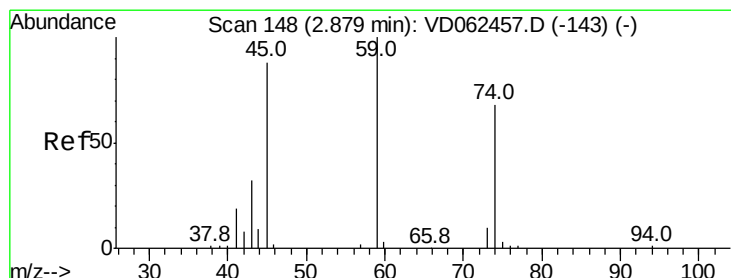
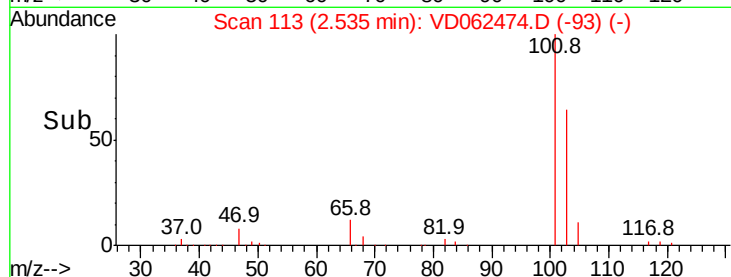
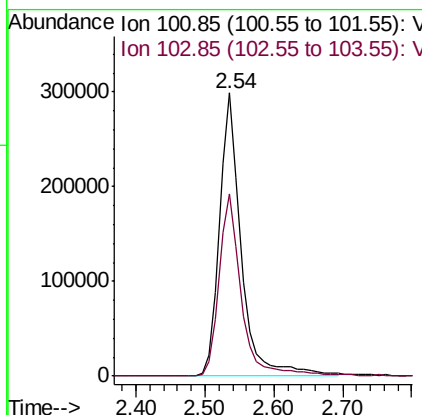
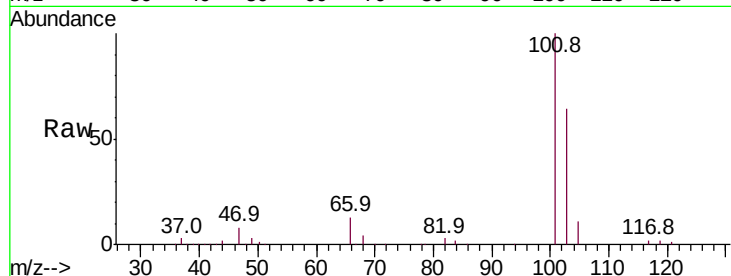
Trichlorofluoromethane
 Concen: 49.791 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

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 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	53.6	80.4

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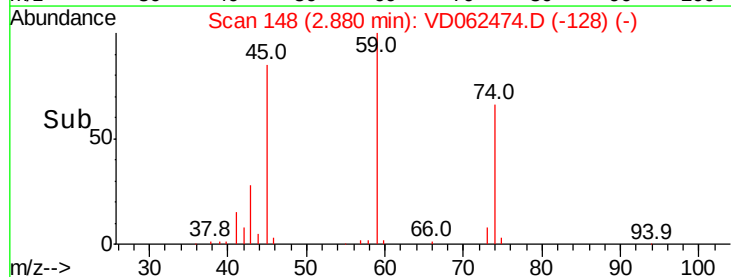
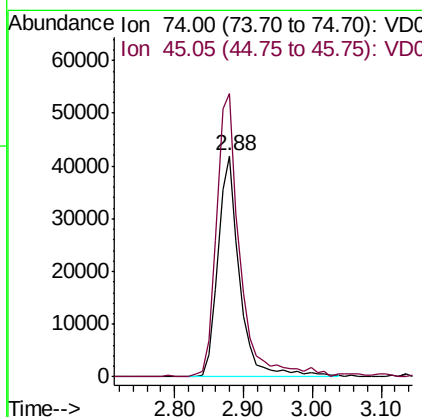
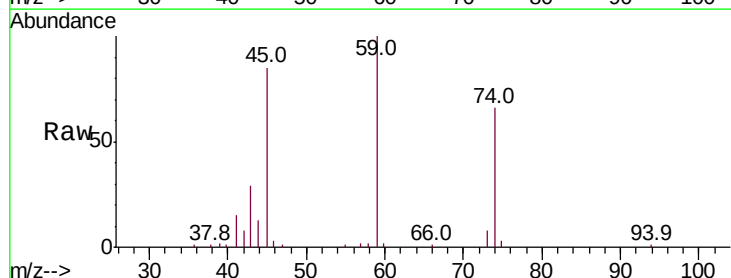
MMDadoda
 5/22/2019 12:40:22 PM

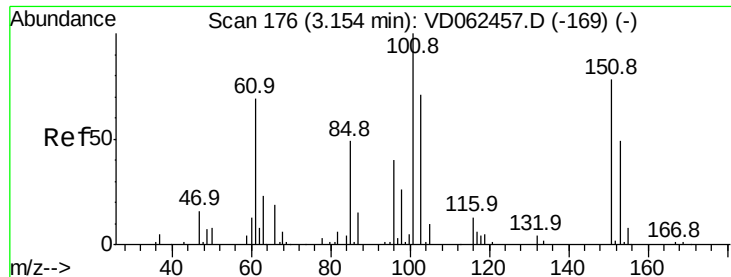


#8

Diethyl Ether
 Concen: 51.632 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	128.0	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.893 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

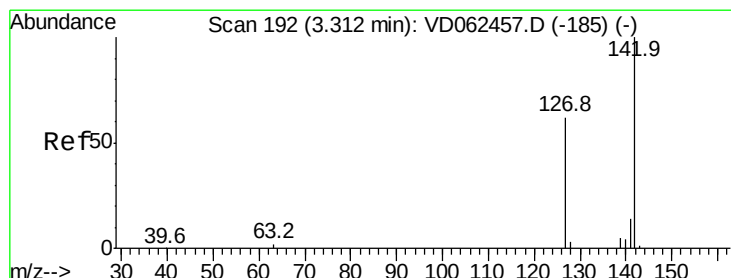
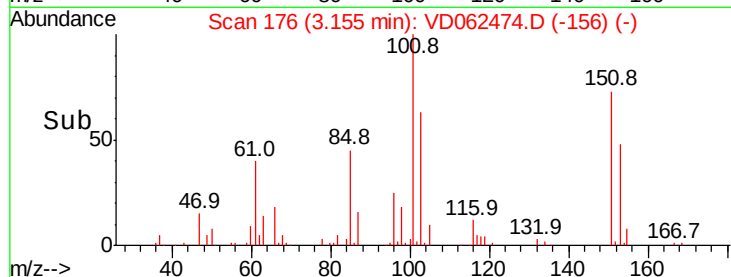
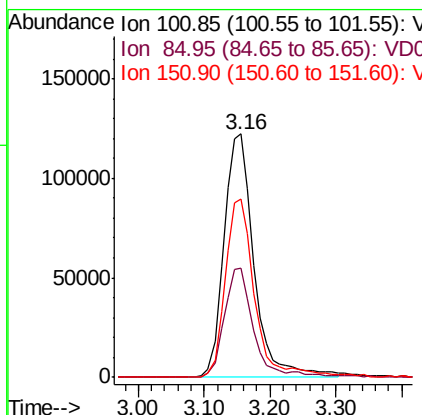
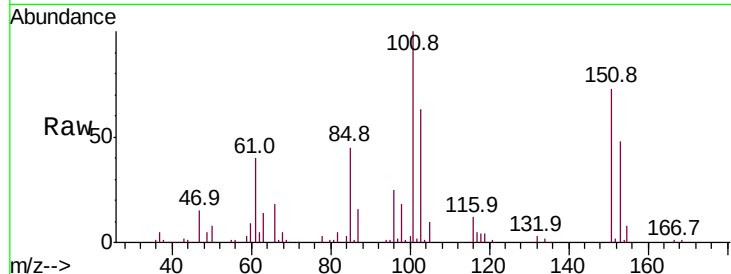
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	390600
Ion Ratio	Lower	Upper	
101	100		
85	44.9	32.4	48.6
151	73.4	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 55.312 ug/l

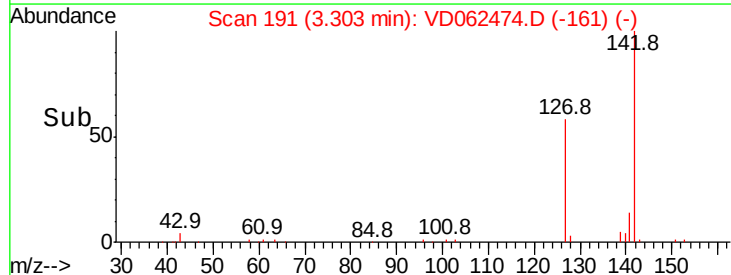
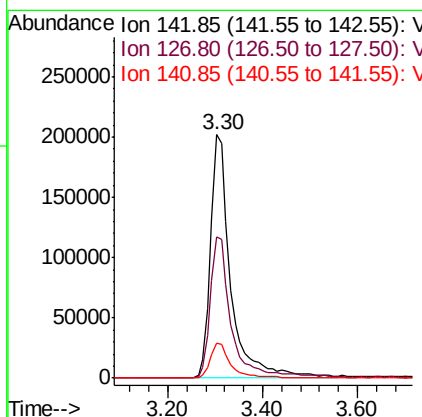
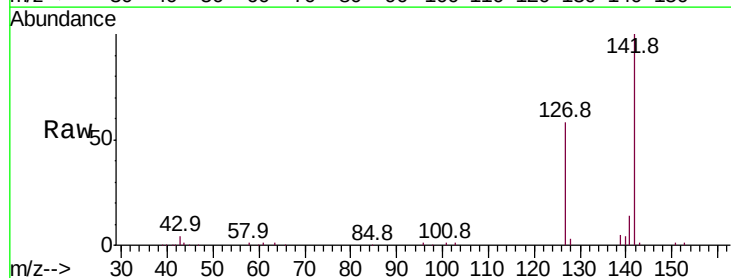
RT: 3.30 min Scan# 191

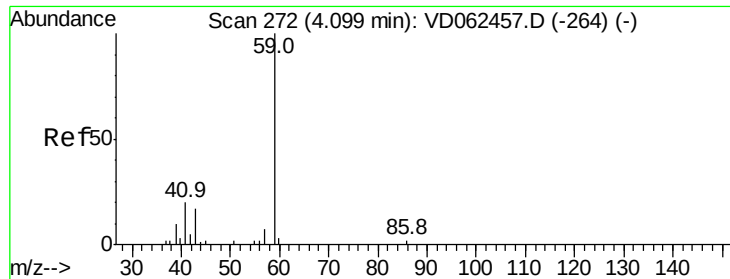
Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Tgt Ion:	142	Resp:	603791
Ion Ratio	Lower	Upper	
142	100		
127	58.0	38.8	58.2
141	14.2	11.4	17.0





#11

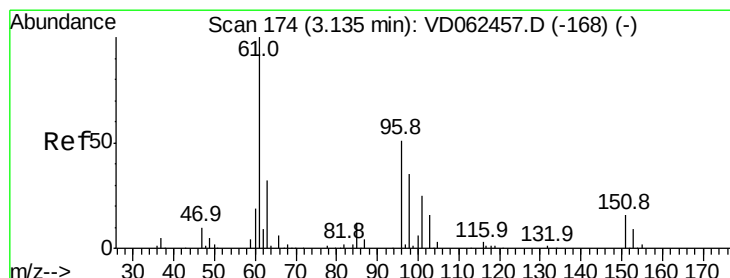
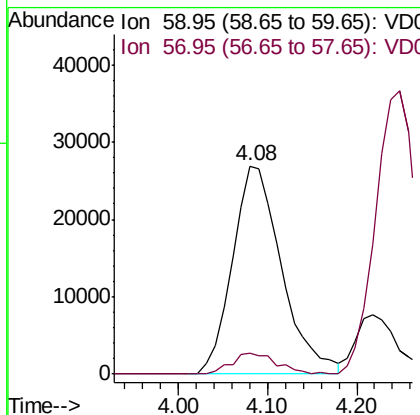
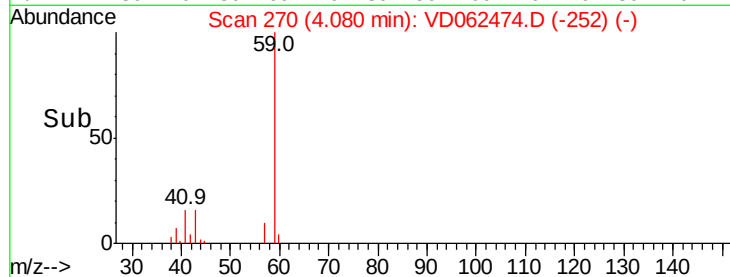
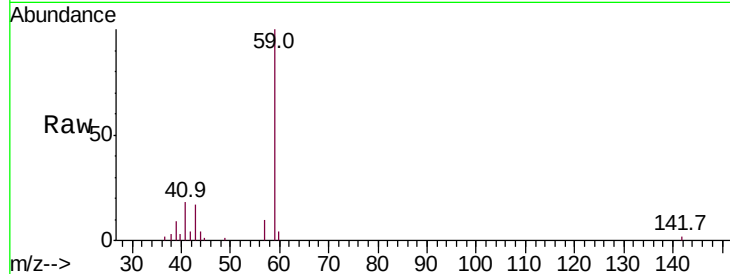
Tert butyl alcohol
Concen: 266.879 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.02 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	6.9	10.3

Manual Integrations
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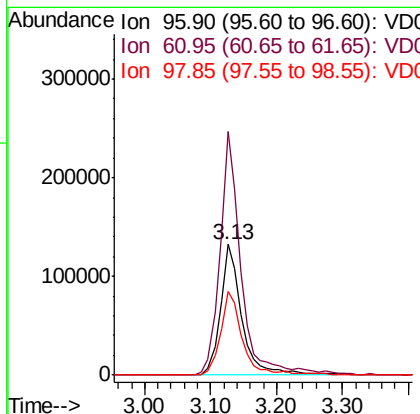
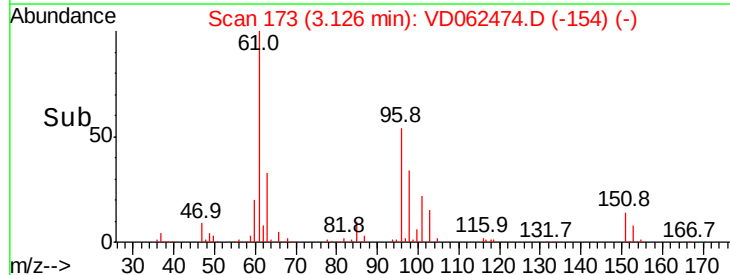
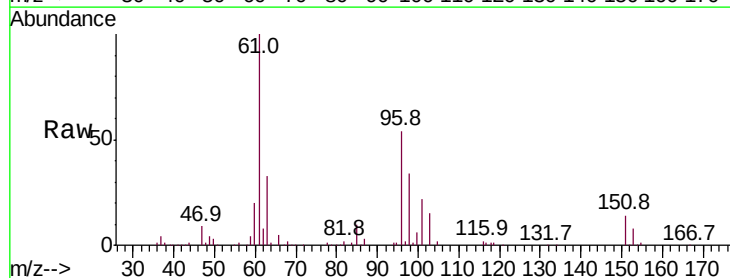
MMDadoda
5/22/2019 12:40:22 PM

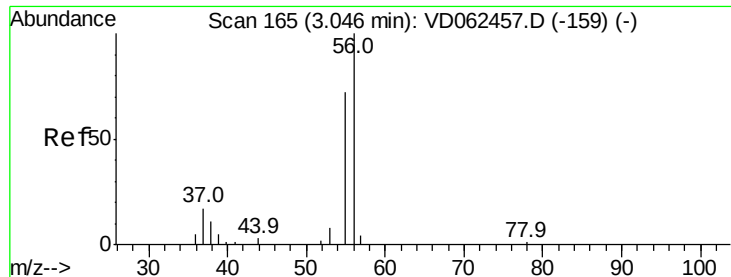


#12

1,1-Dichloroethene
Concen: 51.771 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.3	129.8	194.8
98	63.8	51.2	76.8





#13

Acrolein

Concen: 271.113 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 86912

Ion Ratio Lower Upper

56 100

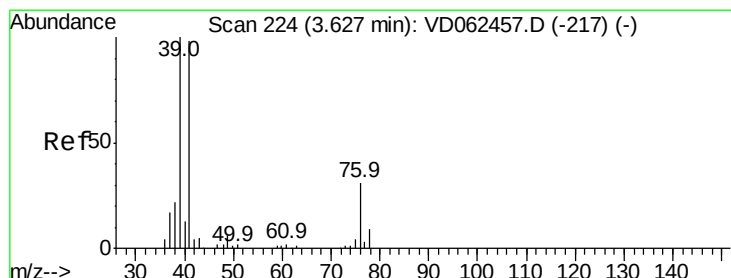
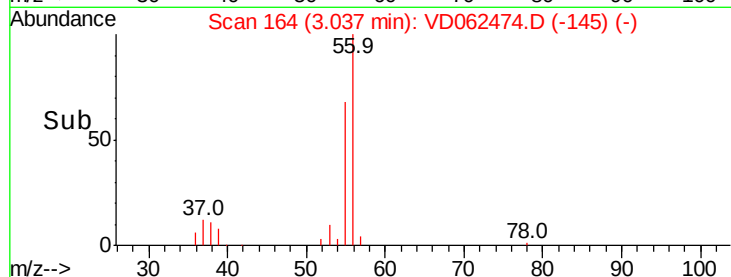
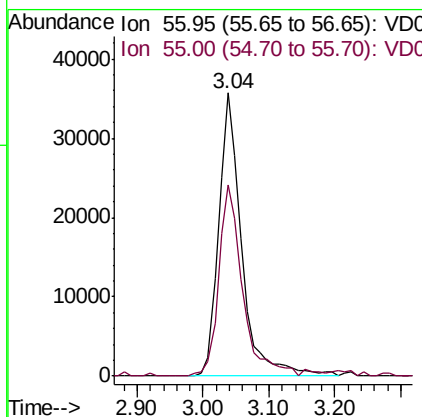
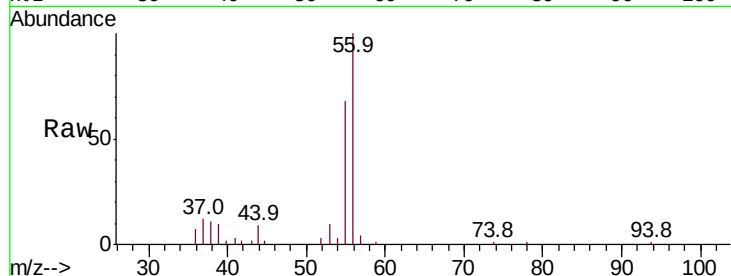
55 67.6 51.4 77.2

Manual Integrations

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#14

Allyl chloride

Concen: 51.880 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

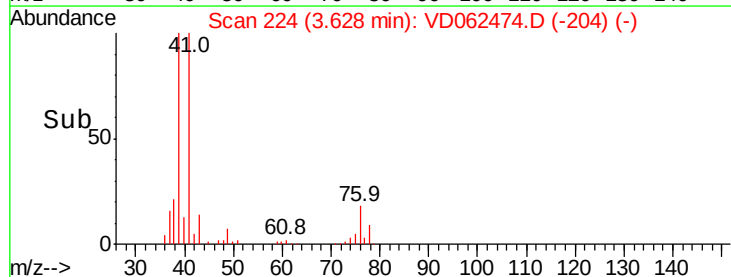
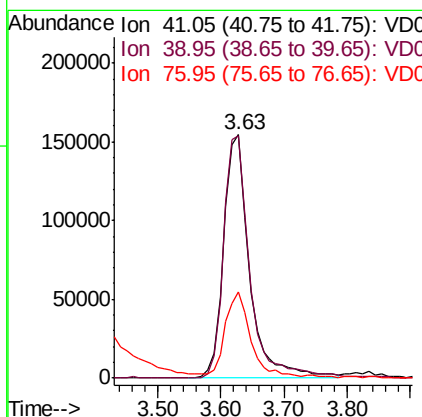
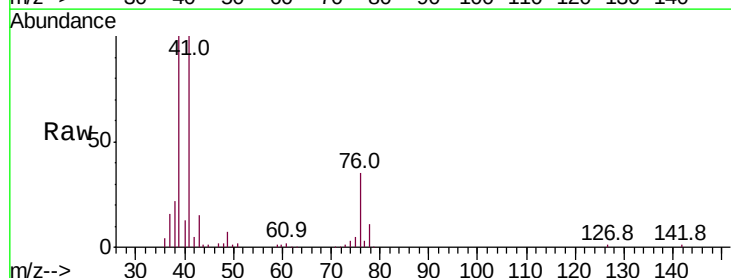
Tgt Ion: 41 Resp: 442598

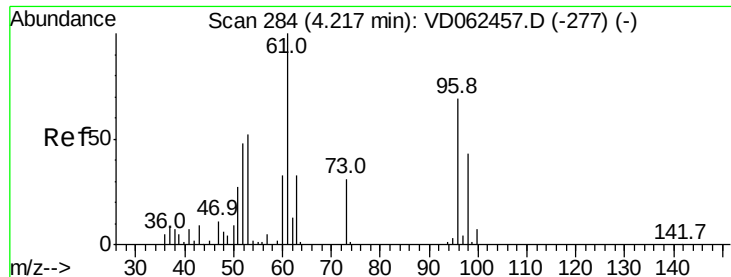
Ion Ratio Lower Upper

41 100

39 99.7 60.5 90.7#

76 35.5 31.8 47.8





#15

Acrylonitrile

Concen: 276.441 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

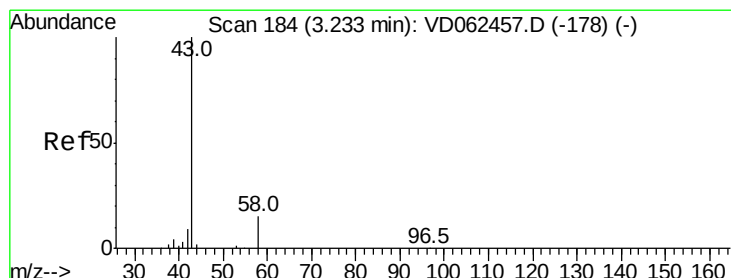
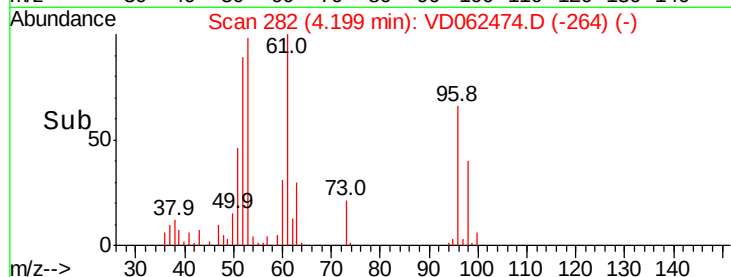
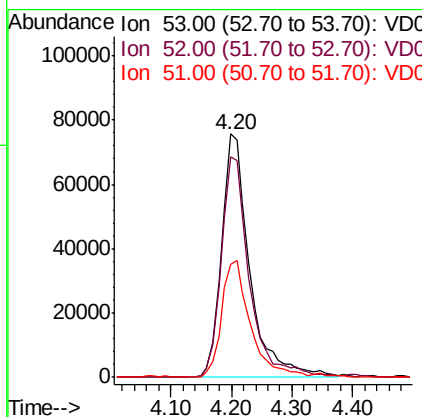
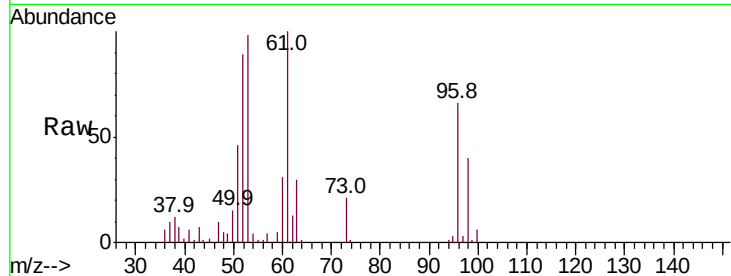
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	244528
Ion	Ratio	Lower	Upper
53	100		
52	90.4	65.0	97.4
51	46.6	32.6	48.8

Manual Integrations
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#16

Acetone

Concen: 300.824 ug/l

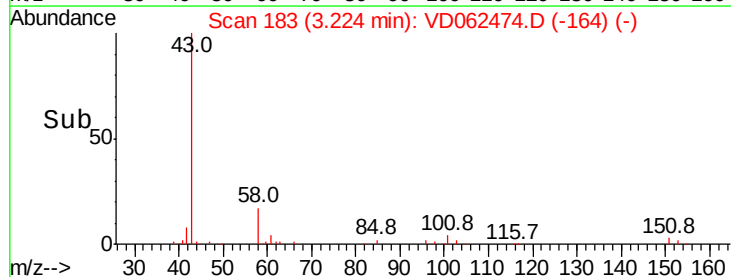
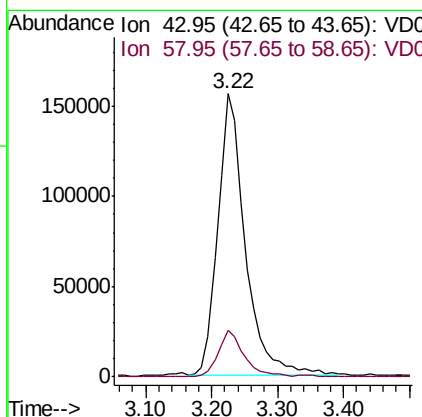
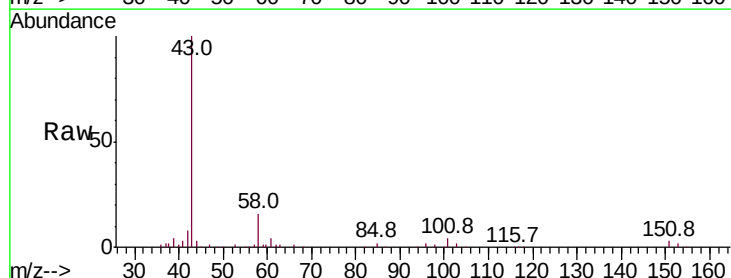
RT: 3.22 min Scan# 183

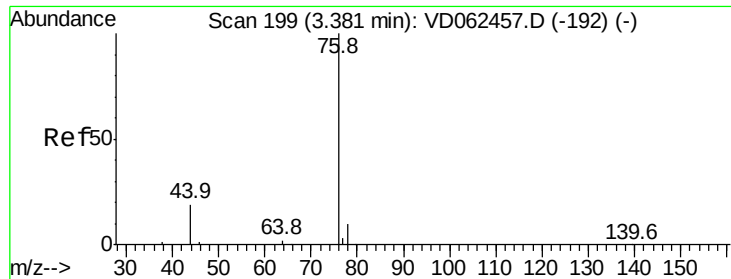
Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Tgt Ion:	43	Resp:	450829
Ion	Ratio	Lower	Upper
43	100		
58	16.4	19.9	29.9#





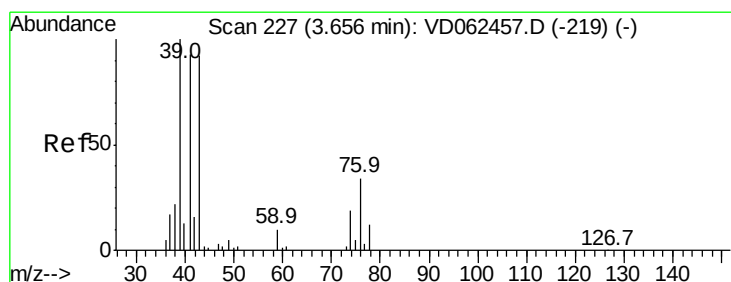
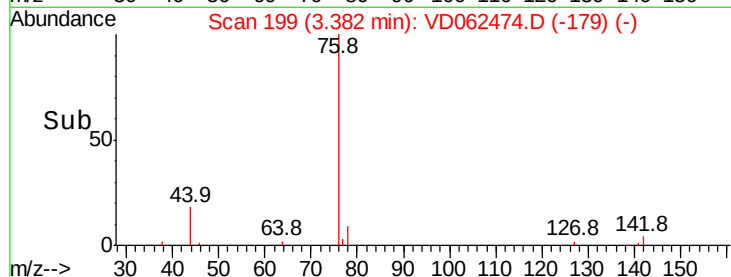
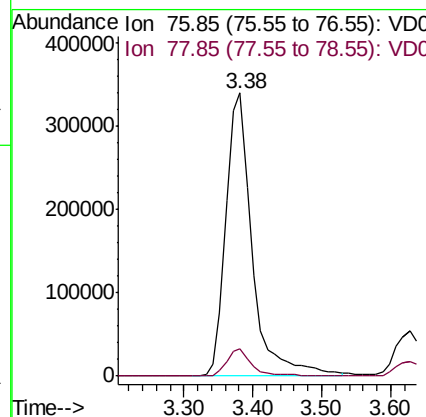
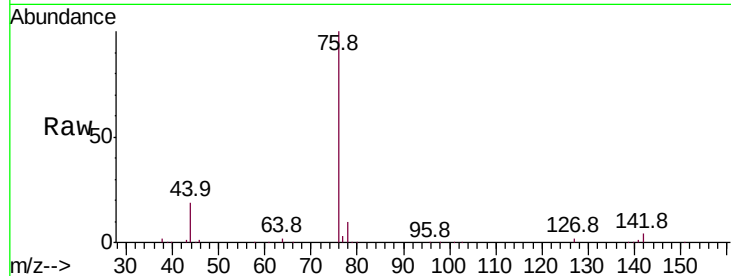
#17
Carbon Disulfide
Concen: 51.392 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.00 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 900545
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8

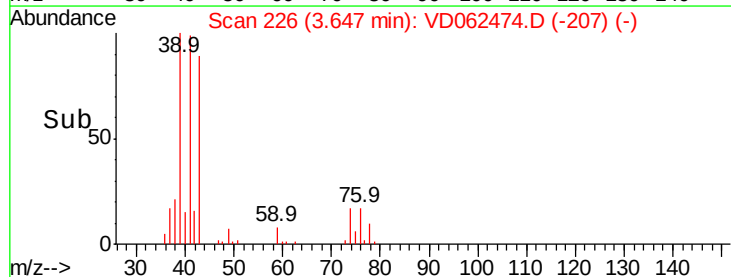
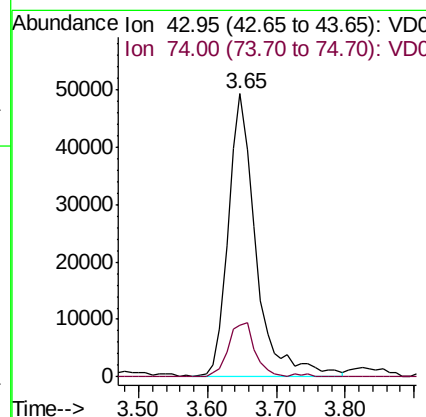
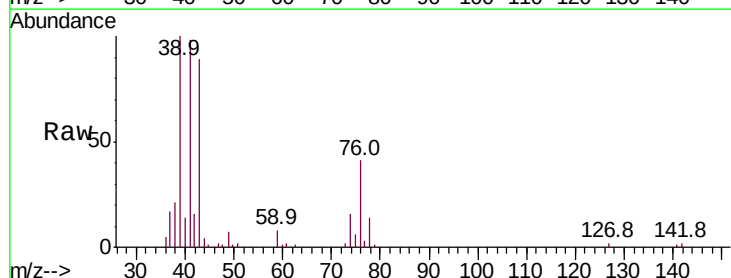
Manual Integrations
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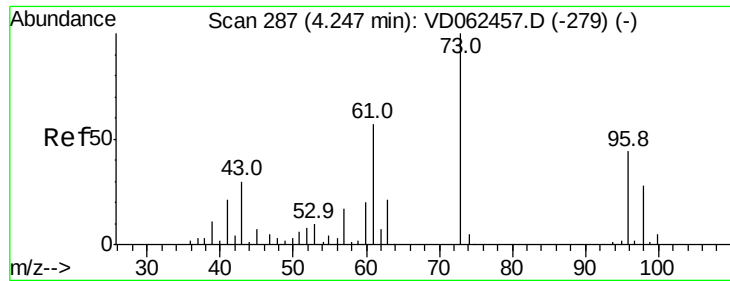
MMDadoda
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#18
Methyl Acetate
Concen: 53.204 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion: 43 Resp: 137587
Ion Ratio Lower Upper
43 100
74 18.5 18.0 27.0





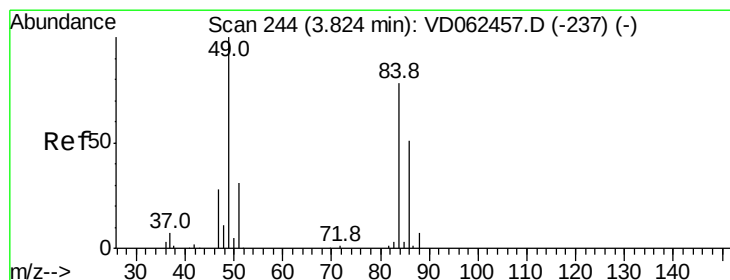
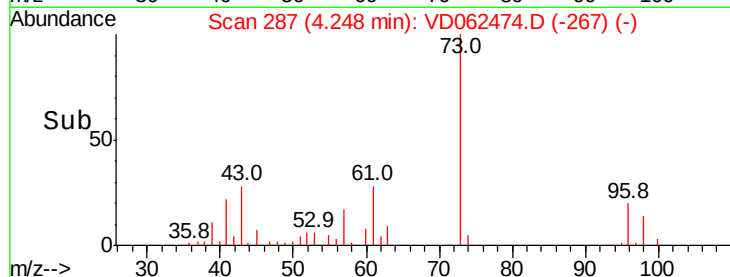
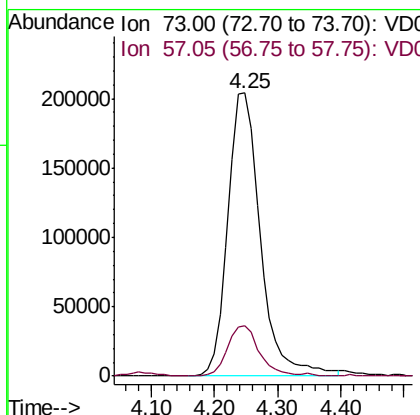
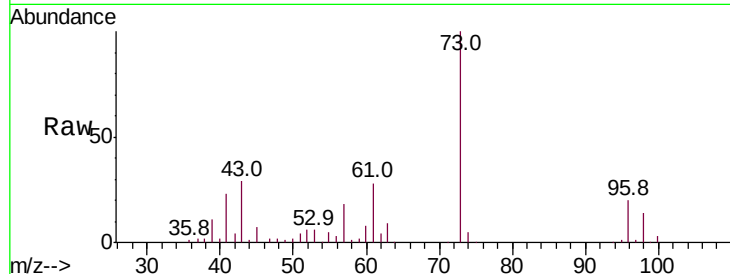
#19
Methyl tert-butyl Ether
Concen: 54.729 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 731381
Ion Ratio Lower Upper
73 100
57 17.9 16.3 24.5

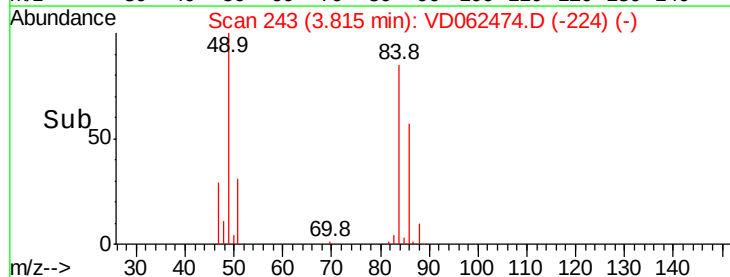
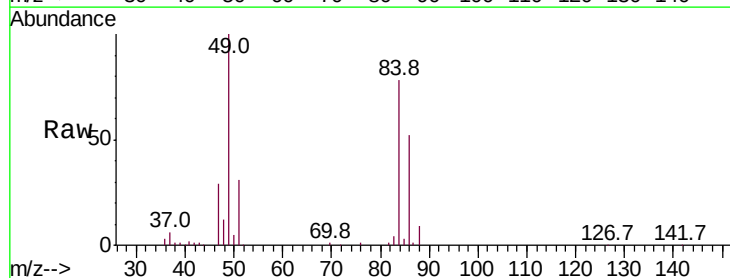
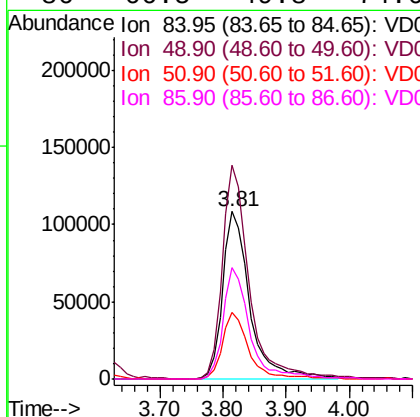
Manual Integrations
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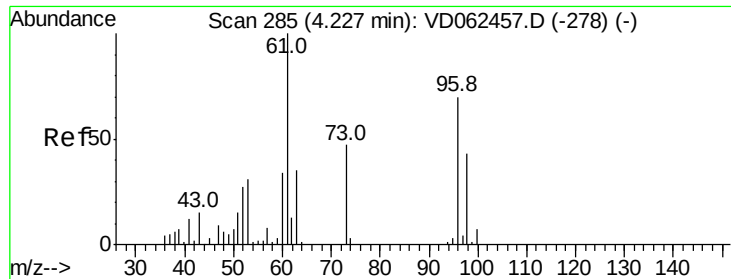
MMDadoda
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#20
Methylene Chloride
Concen: 50.943 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion: 84 Resp: 324985
Ion Ratio Lower Upper
84 100
49 127.5 94.0 141.0
51 39.4 29.0 43.4
86 66.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 53.776 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 364250

Ion Ratio Lower Upper

96 100

61 141.2 104.4 156.6

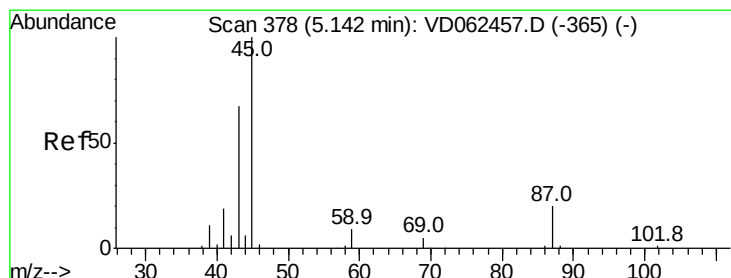
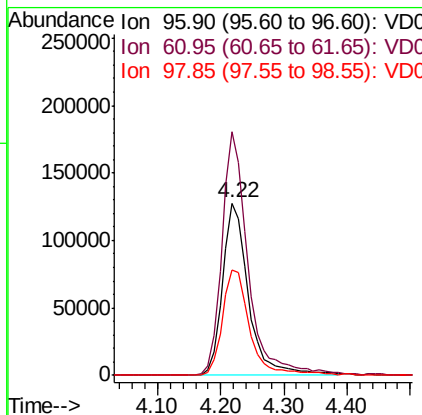
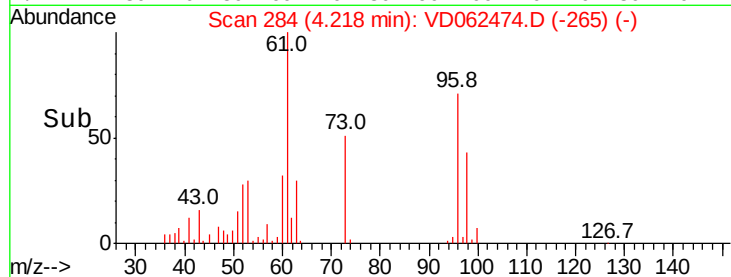
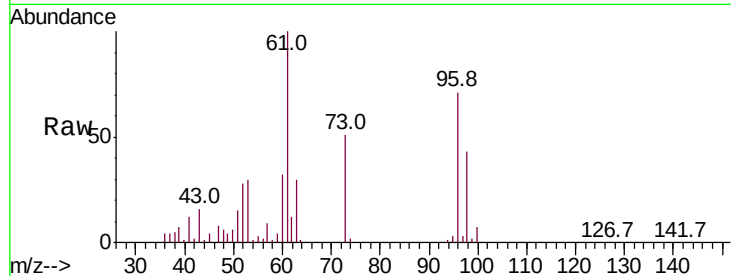
98 61.2 51.8 77.8

Manual Integrations

APPROVED

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#22

Diisopropyl ether

Concen: 54.805 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Tgt Ion: 45 Resp: 995197

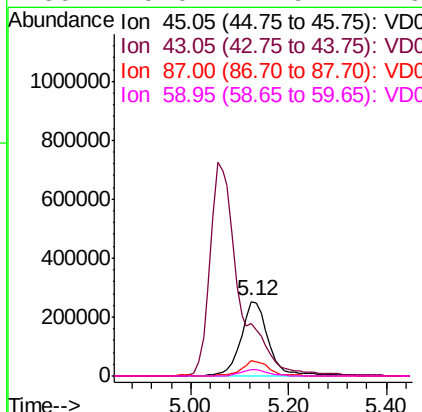
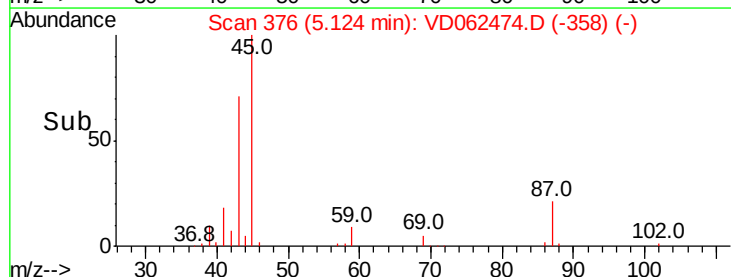
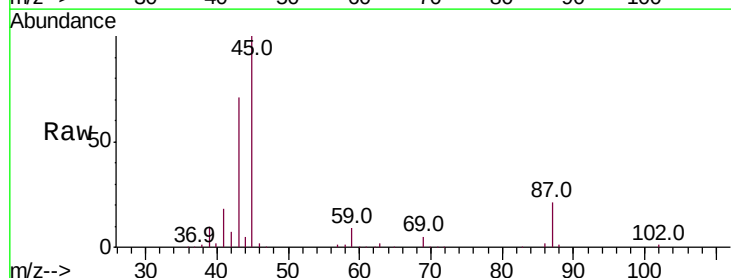
Ion Ratio Lower Upper

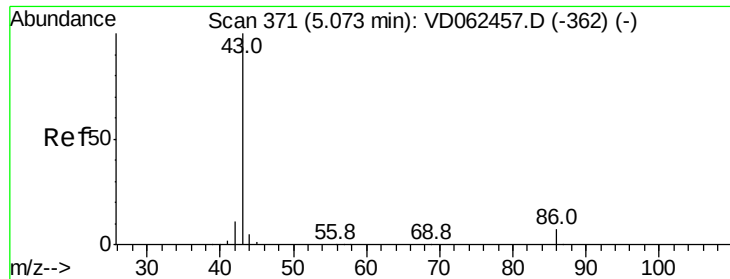
45 100

43 70.7 46.2 69.2#

87 20.6 15.9 23.9

59 9.0 7.9 11.9





#23

Vinyl Acetate

Concen: 272.583 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2990927

Ion Ratio Lower Upper

43 100

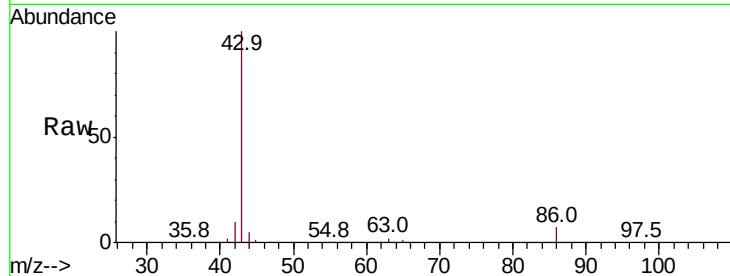
86 7.2 6.4 9.6

Manual Integrations

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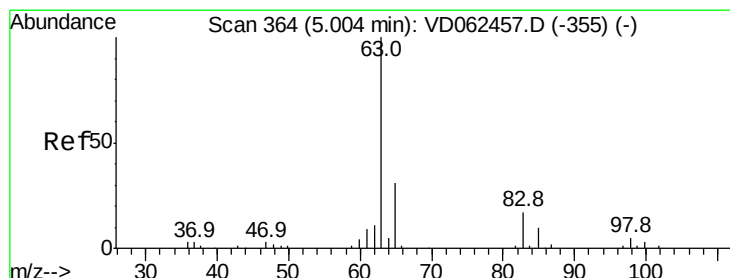
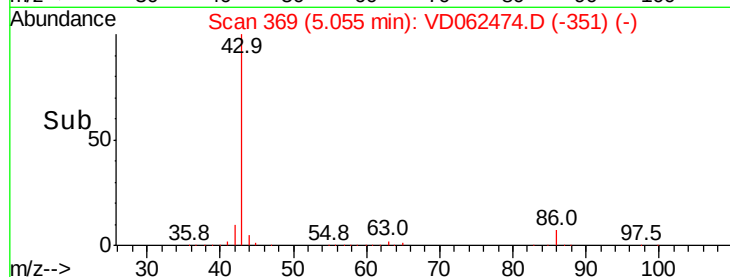
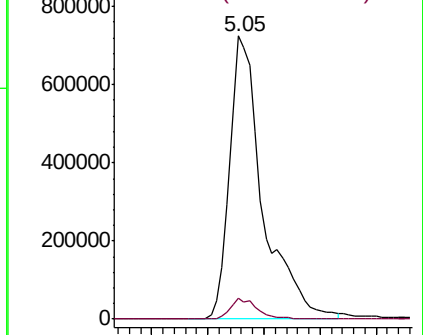
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.985 ug/l

RT: 5.00 min Scan# 363

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

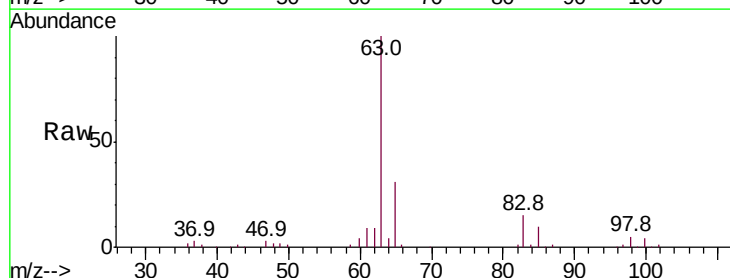
Tgt Ion: 63 Resp: 631351

Ion Ratio Lower Upper

63 100

98 4.9 2.8 8.4

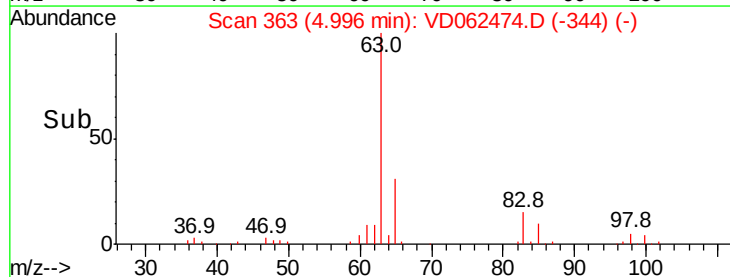
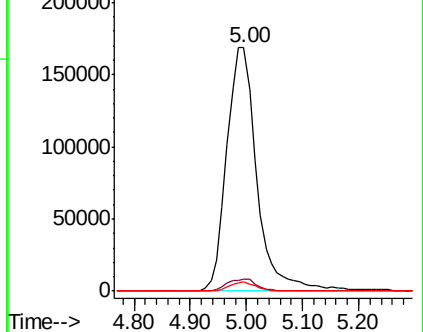
100 3.8 1.8 5.5

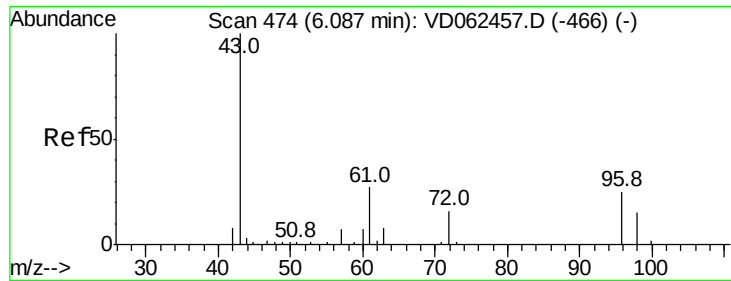


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 295.478 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 463144

Ion Ratio Lower Upper

43 100

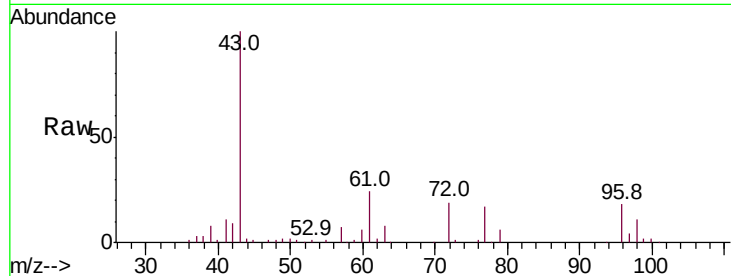
72 19.2 16.2 24.4

Manual Integrations

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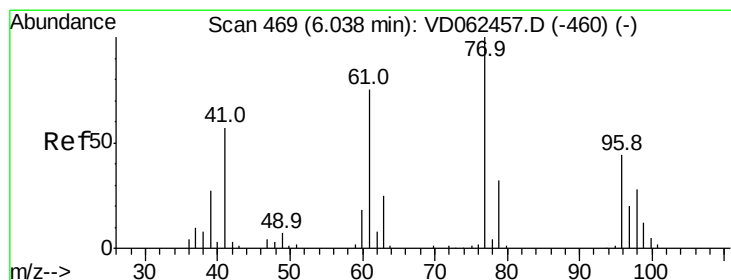
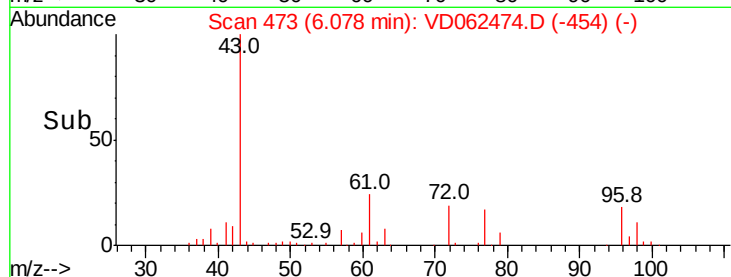
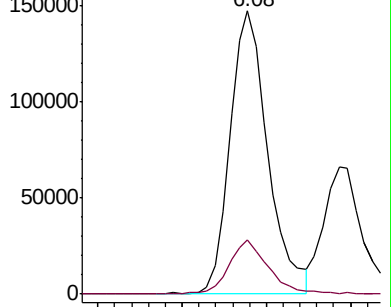
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.977 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062474.D

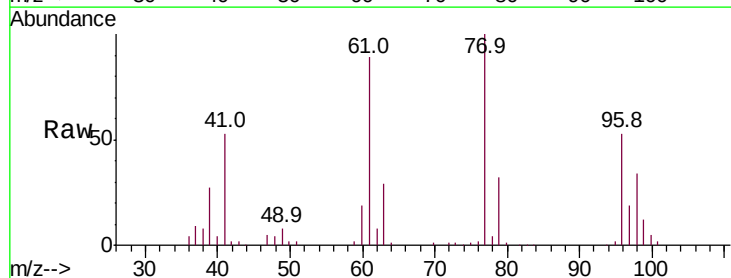
Acq: 21 May 2019 11:49

Tgt Ion: 77 Resp: 680471

Ion Ratio Lower Upper

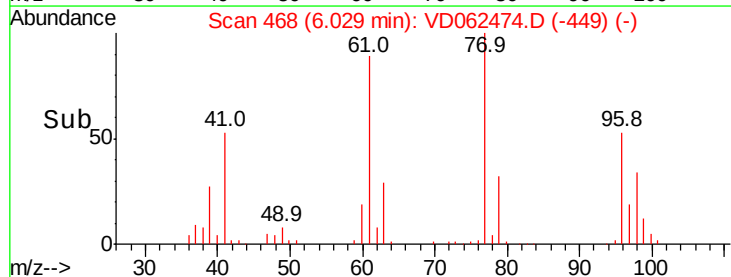
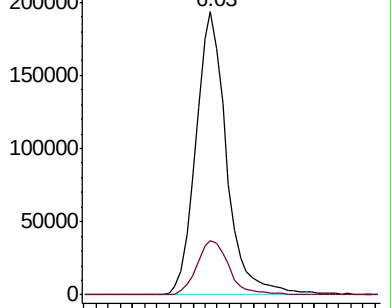
77 100

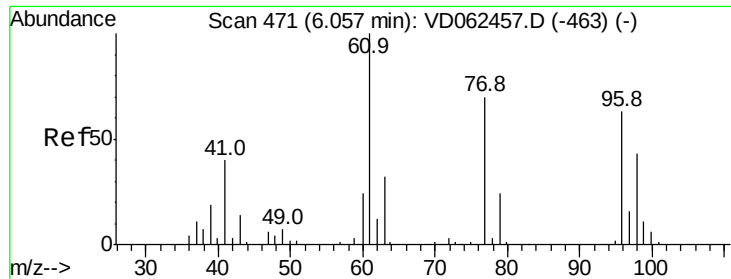
97 19.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

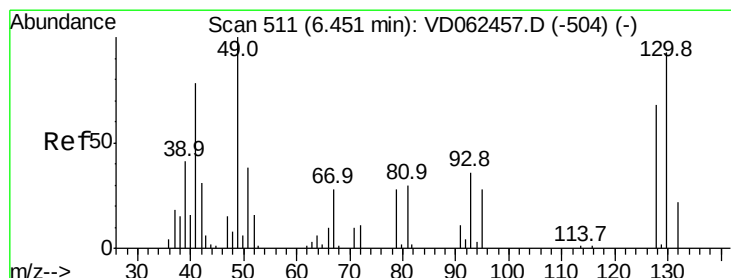
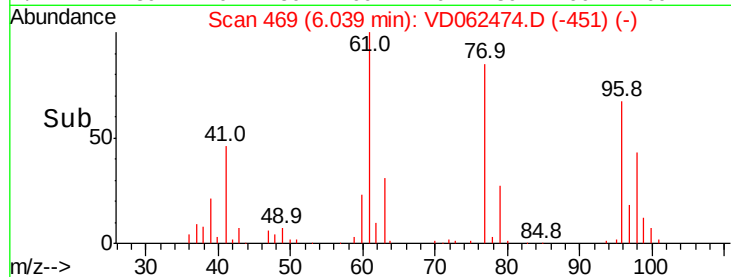
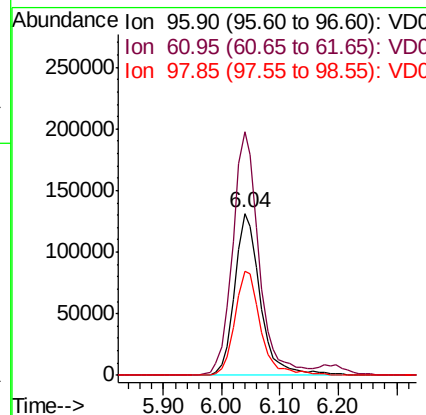
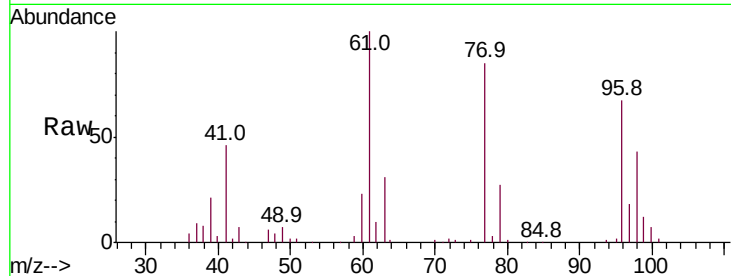
cis-1,2-Dichloroethene
 Concen: 54.877 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.02 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	400808		
61	150.0	0.0	279.8	
98	64.3	0.0	136.0	

Manual Integrations
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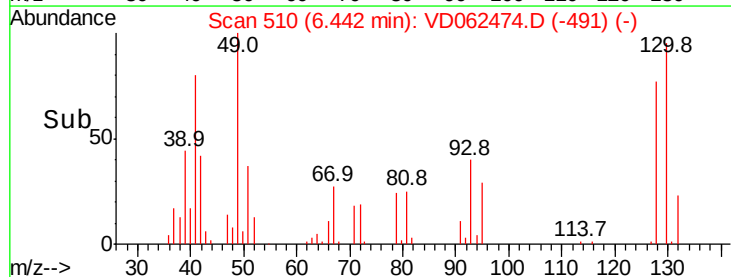
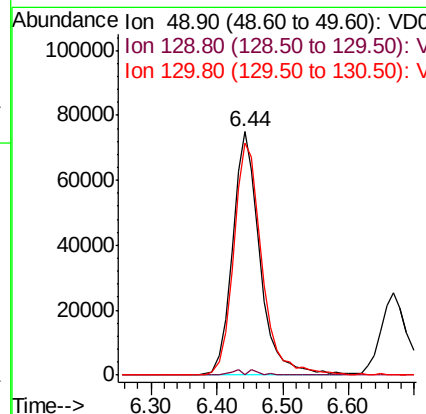
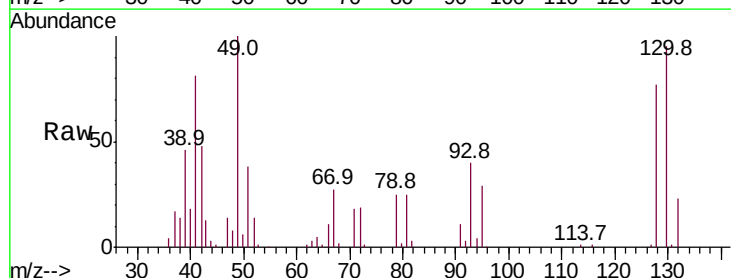
MMDadoda
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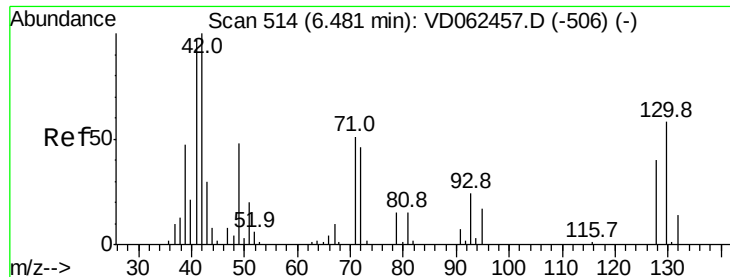


#28

Bromochloromethane
 Concen: 51.682 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	216929		
129	0.0	0.0	6.6	
130	95.5	86.7	130.1	





#29

Tetrahydrofuran

Concen: 286.350 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 42 Resp: 214359

Ion Ratio Lower Upper

42 100

72 43.2 37.8 56.6

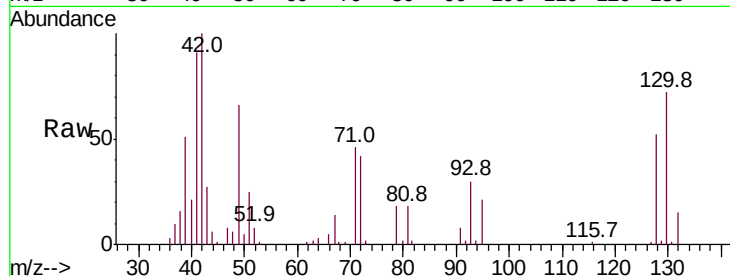
71 44.8 36.7 55.1

Manual Integrations

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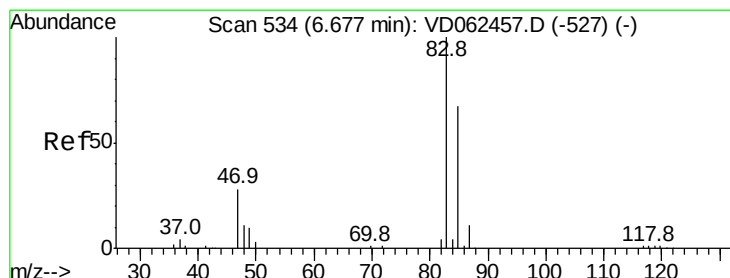
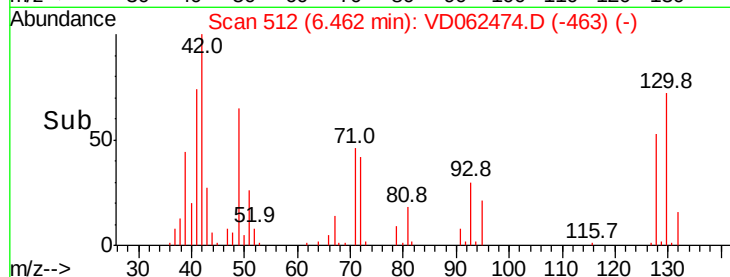
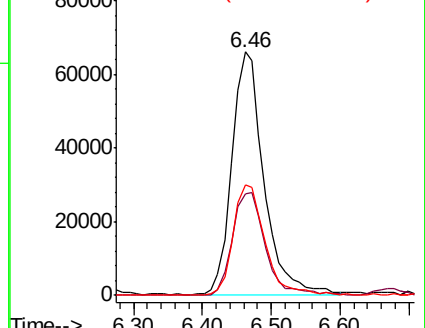
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Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 51.947 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD062474.D

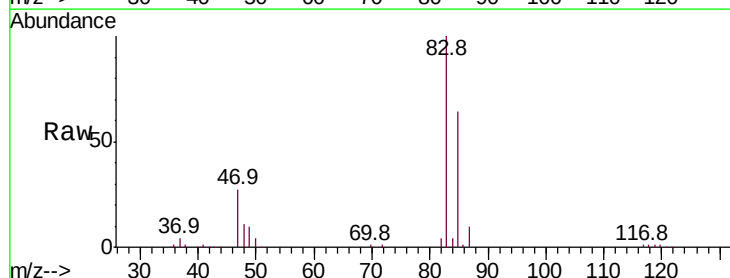
Acq: 21 May 2019 11:49

Tgt Ion: 83 Resp: 774520

Ion Ratio Lower Upper

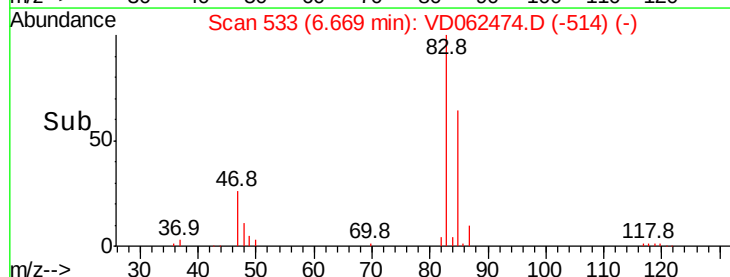
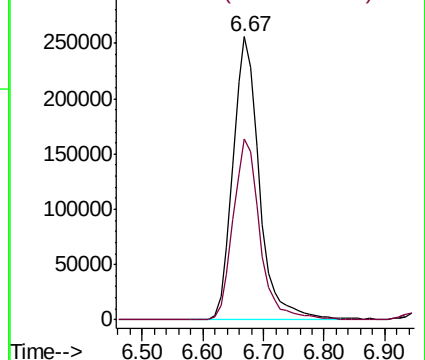
83 100

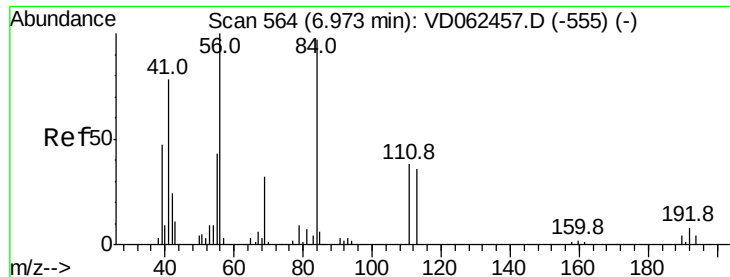
85 64.2 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





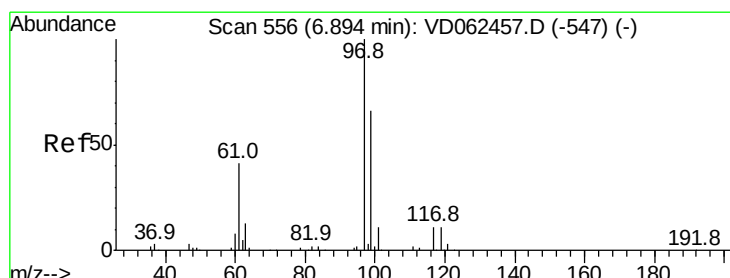
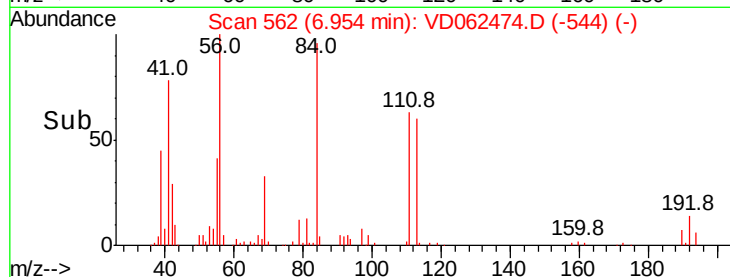
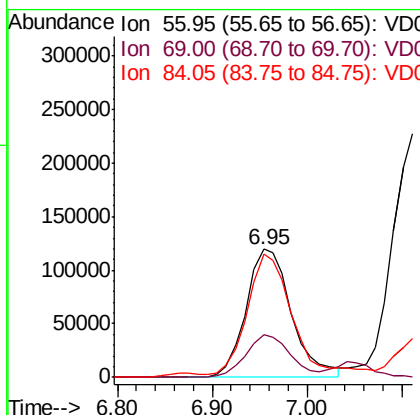
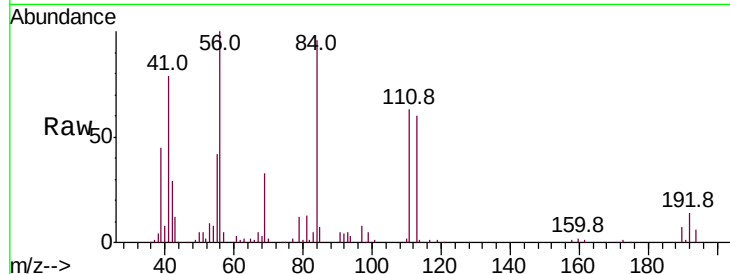
#31
Cyclohexane
Concen: 50.451 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.02 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.8	38.6
84	96.3	72.2	108.4

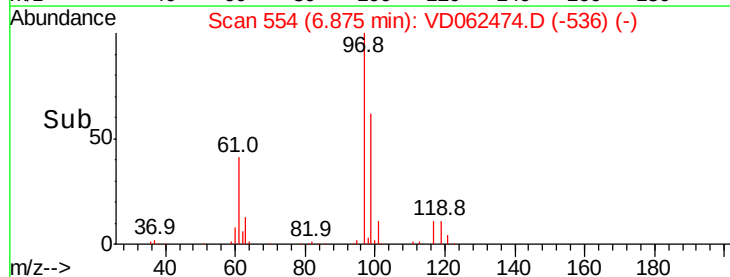
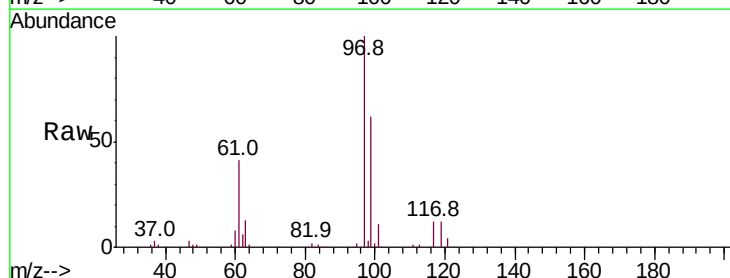
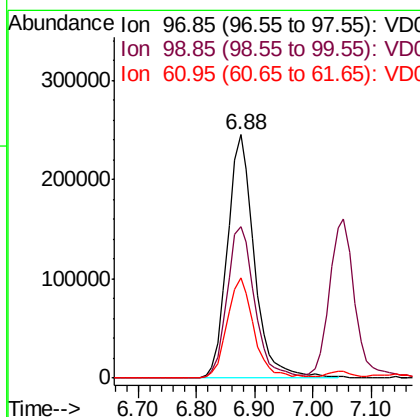
Manual Integrations
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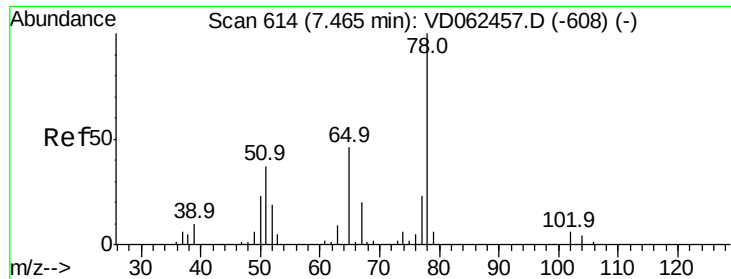
MMDadoda
5/22/2019 12:40:22 PM



#32
1,1,1-Trichloroethane
Concen: 52.091 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.02 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.0	52.2	78.2
61	41.3	32.4	48.6





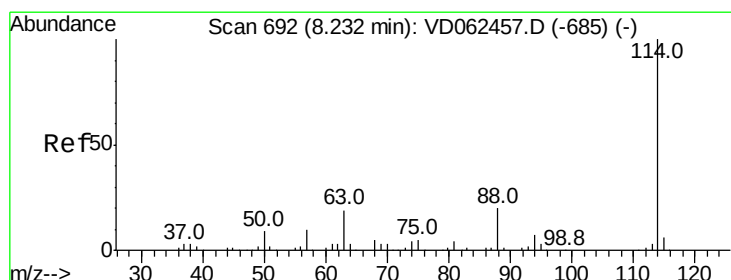
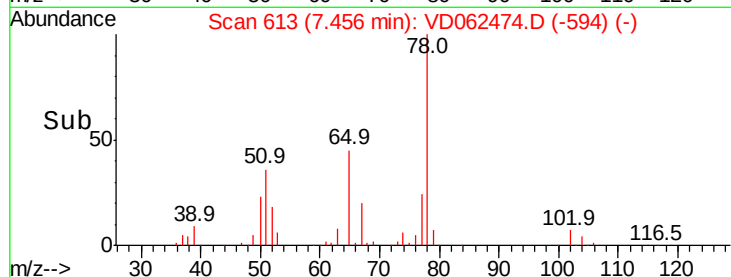
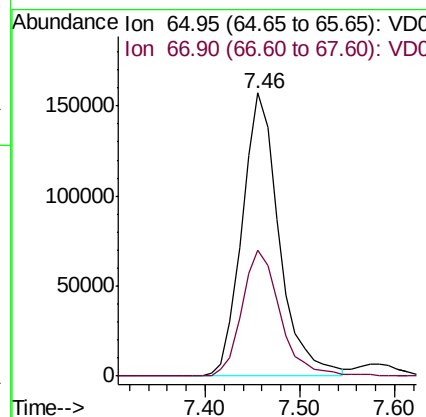
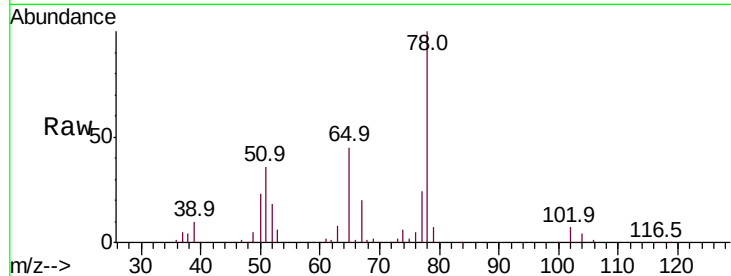
#33
 1,2-Dichloroethane-d4
 Concen: 51.031 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	44.6	0.0	98.0

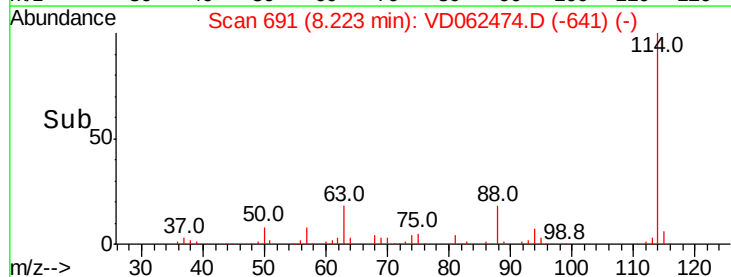
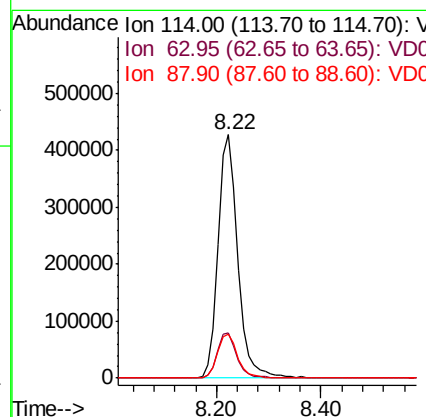
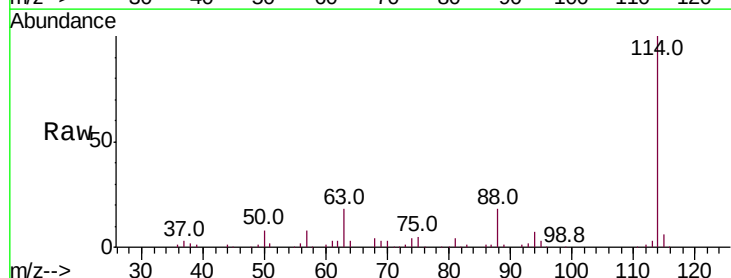
Manual Integrations
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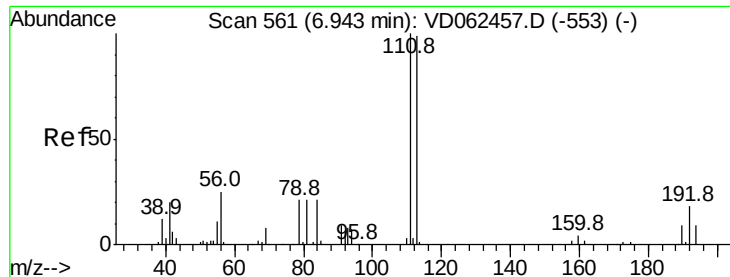
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 5/22/2019 12:40:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	32.4
88	18.1	0.0	33.6





#35

Dibromofluoromethane

Concen: 50.596 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

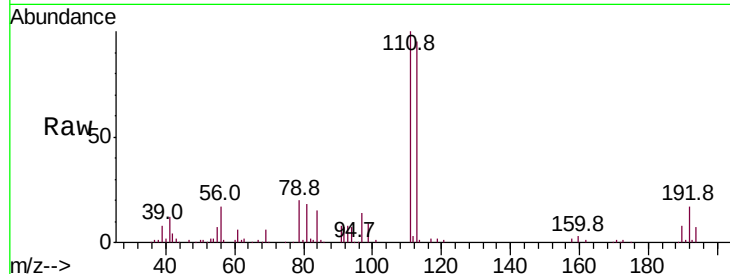
ClientSampleId :

VSTDCCC050

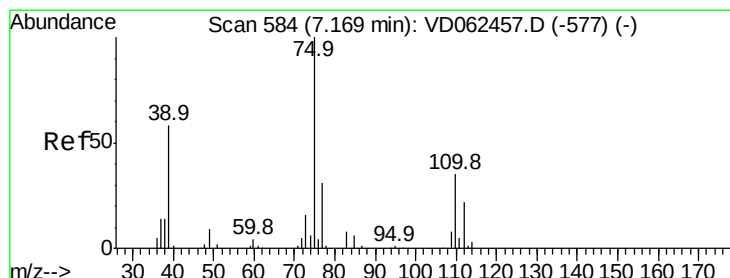
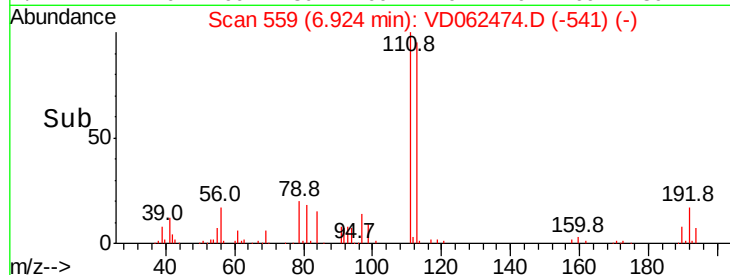
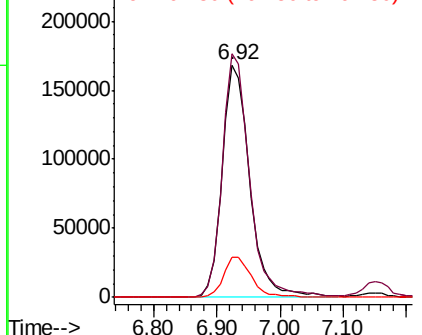
Tot Ion:	113	Resp:	512531
Ion Ratio	Lower	Upper	
113	100		
111	104.8	78.5	117.7
192	17.3	13.0	19.4

Manual Integrations
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5/22/2019 12:40:22 PM



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 47.640 ug/l

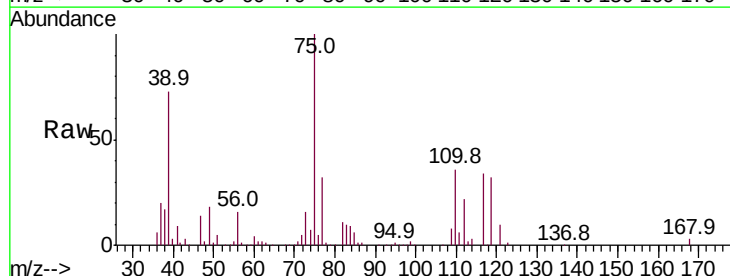
RT: 7.15 min Scan# 582

Delta R.T. -0.02 min

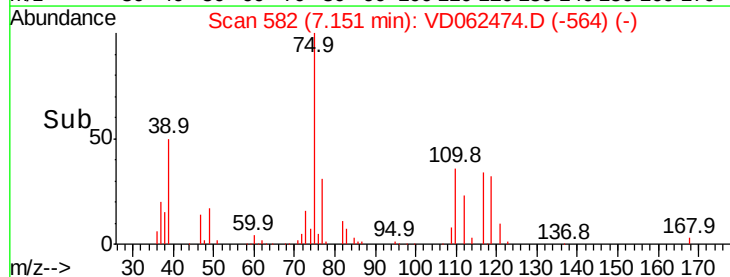
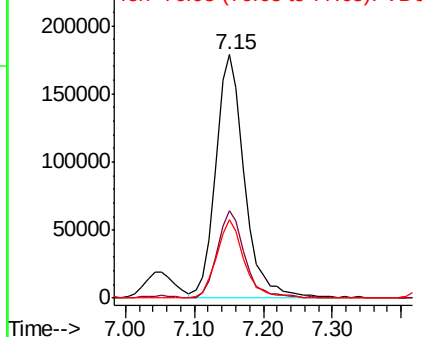
Lab File: VD062474.D

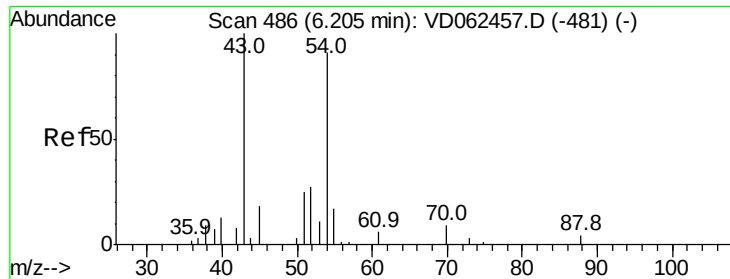
Acq: 21 May 2019 11:49

Tgt Ion:	75	Resp:	511448
Ion Ratio	Lower	Upper	
75	100		
110	35.8	19.1	57.1
77	32.0	25.6	38.4



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V





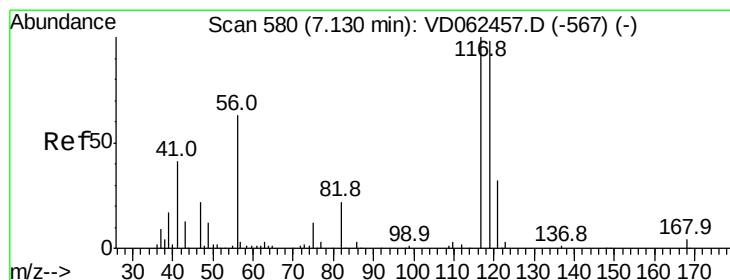
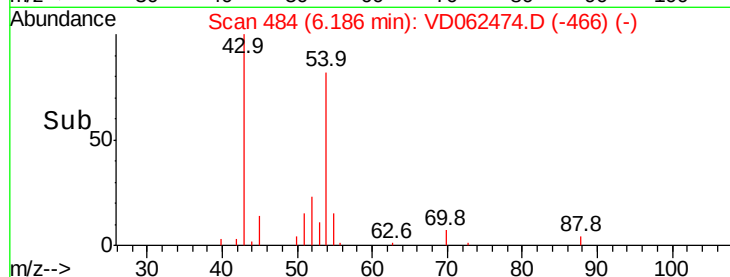
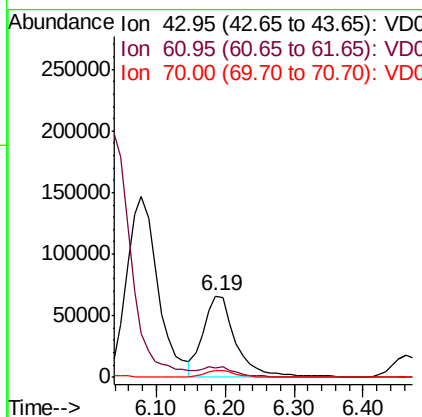
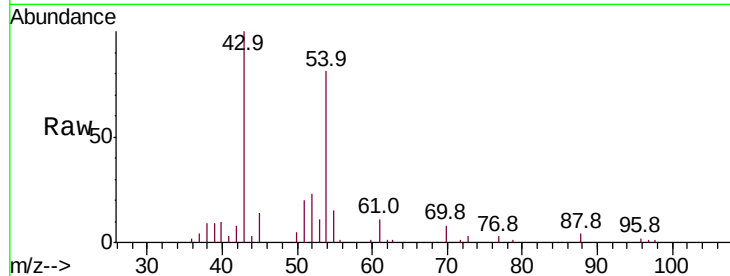
#37
Ethyl Acetate
Concen: 50.678 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.9	14.7	22.1#
70	8.0	7.8	11.6

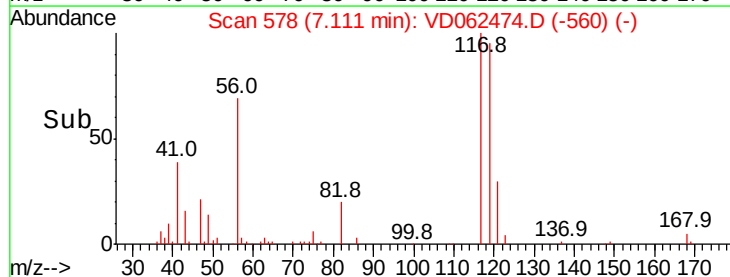
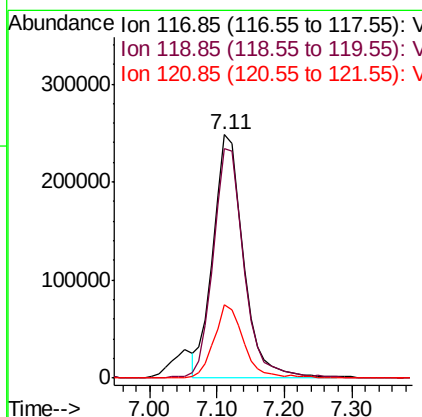
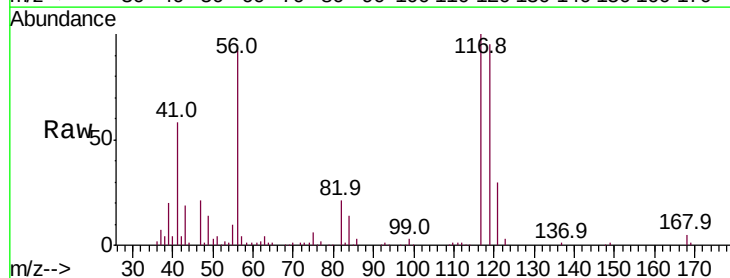
Manual Integrations
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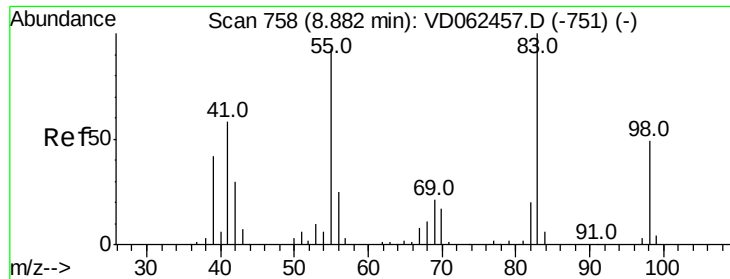
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#38
Carbon Tetrachloride
Concen: 49.085 ug/l m
RT: 7.11 min Scan# 578
Delta R.T. -0.02 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.8	113.8
121	30.2	25.9	38.9





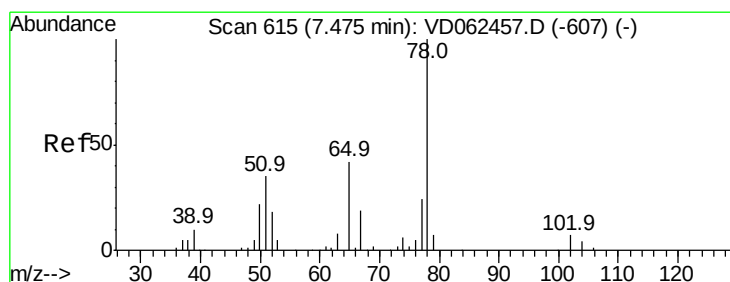
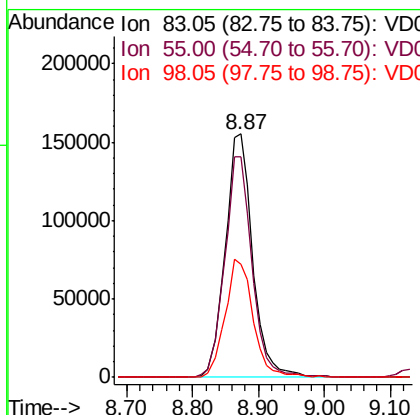
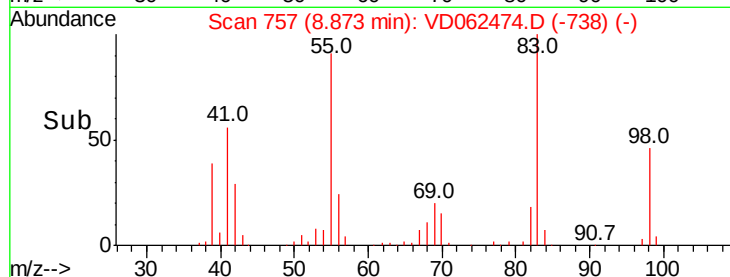
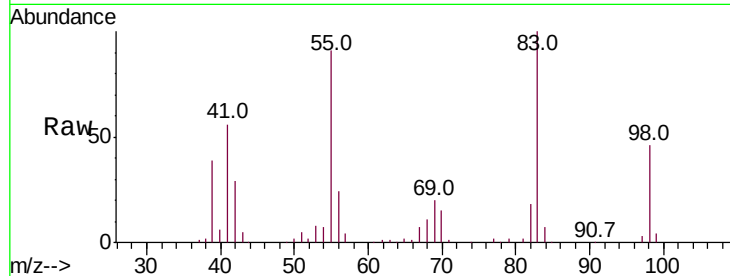
#39
Methvlcvclohexane
Concen: 51.042 ug/l
RT: 8.87 min Scan# 757
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.7	68.2	102.4
98	46.3	38.2	57.4

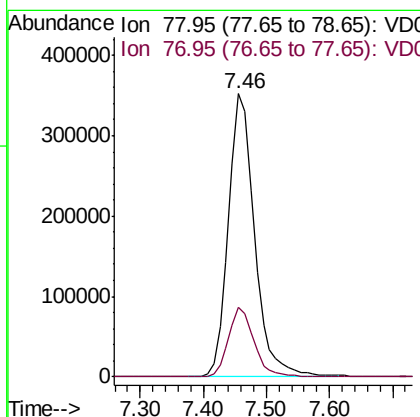
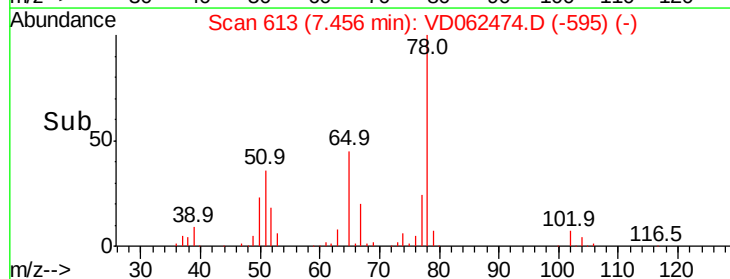
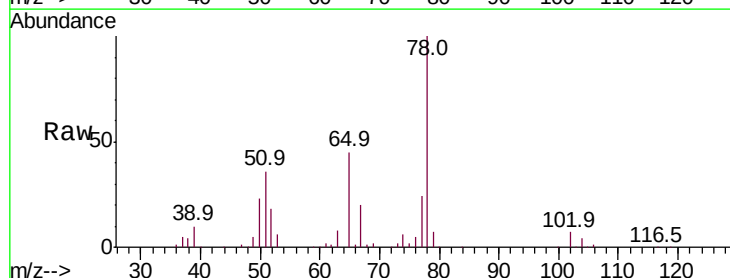
Manual Integrations
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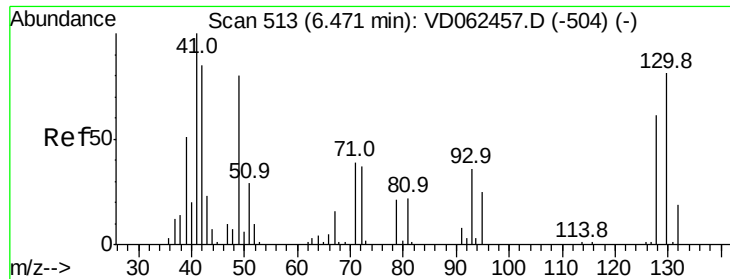
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#40
Benzene
Concen: 48.074 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.02 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.7	29.5





#41

Methacrylonitrile

Concen: 52.901 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 277092

Ion Ratio Lower Upper

41 100

39 49.4 34.1 51.1

67 22.4 23.8 35.6#

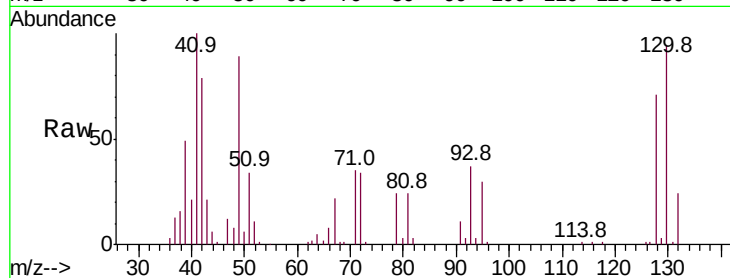
52 11.9 8.8 13.2

Manual Integrations

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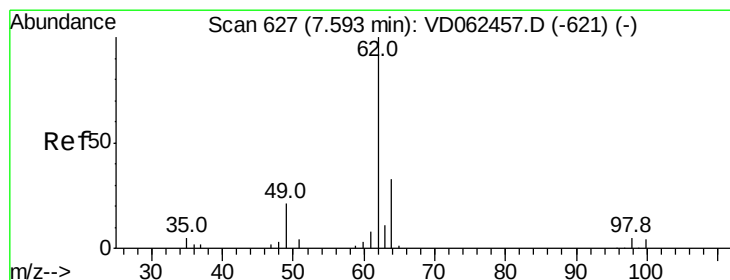
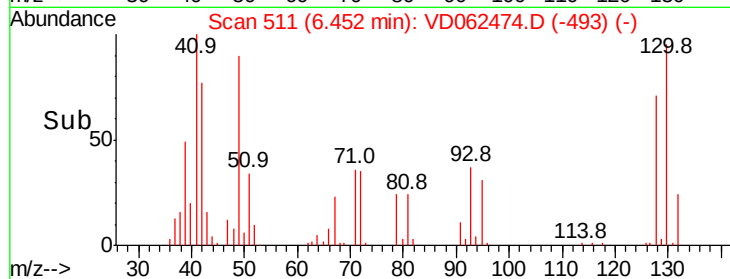
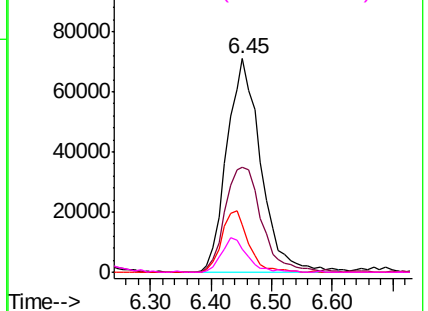


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.036 ug/l

RT: 7.58 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD062474.D

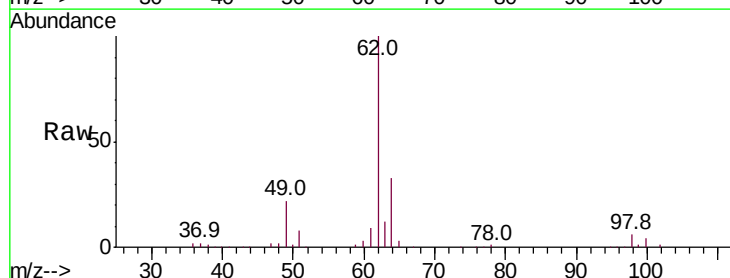
Acq: 21 May 2019 11:49

Tgt Ion: 62 Resp: 546795

Ion Ratio Lower Upper

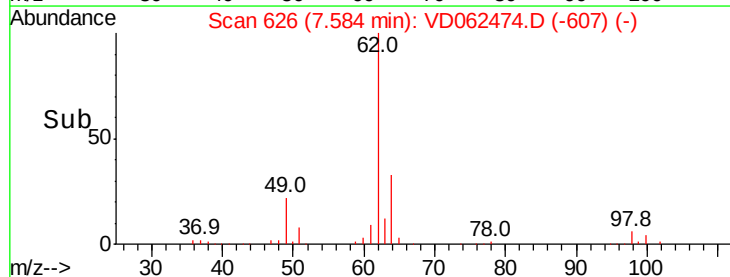
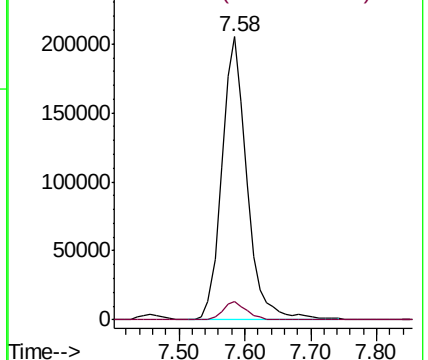
62 100

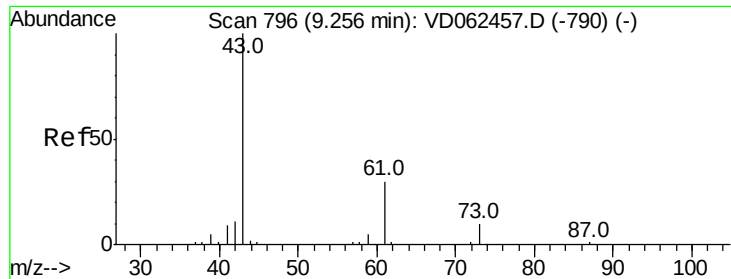
98 6.4 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 51.977 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

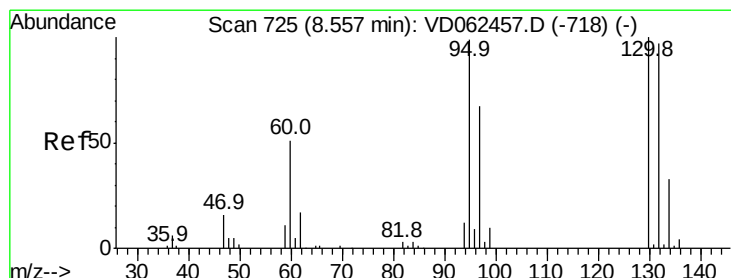
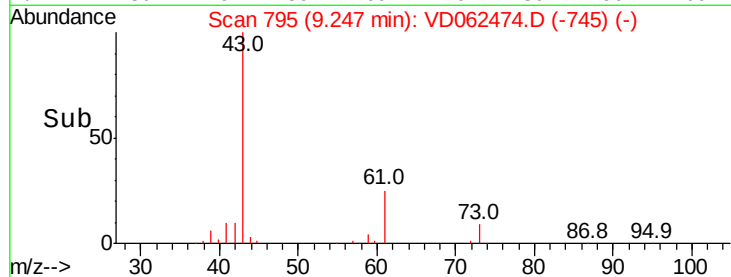
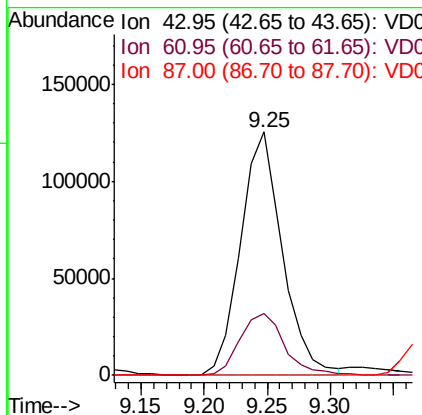
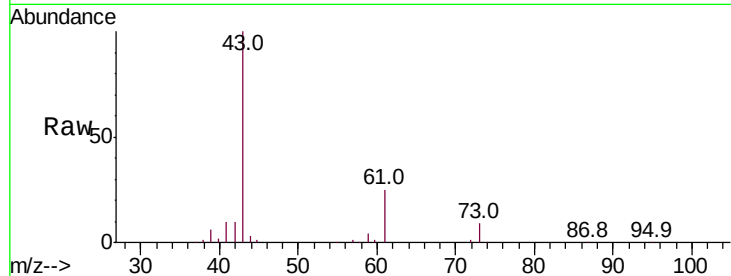
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	287573
Ion Ratio	Lower	Upper	
43	100		
61	25.4	25.1	37.7
87	0.3	0.0	0.0#

Manual Integrations
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#44

Trichloroethene

Concen: 49.895 ug/l

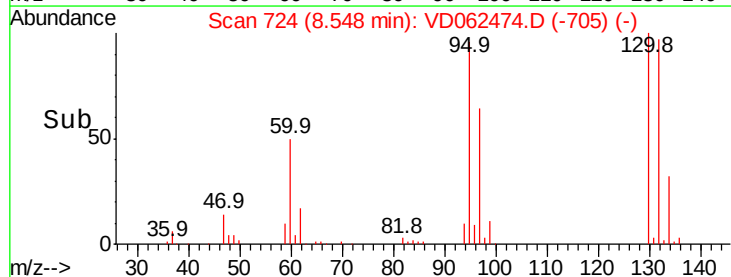
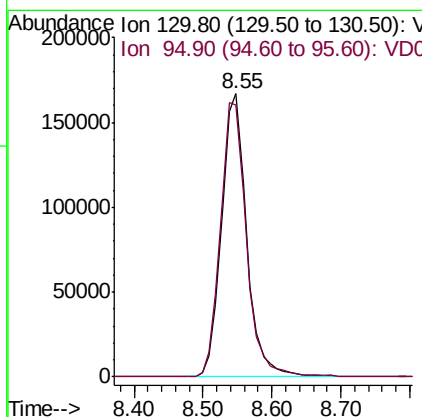
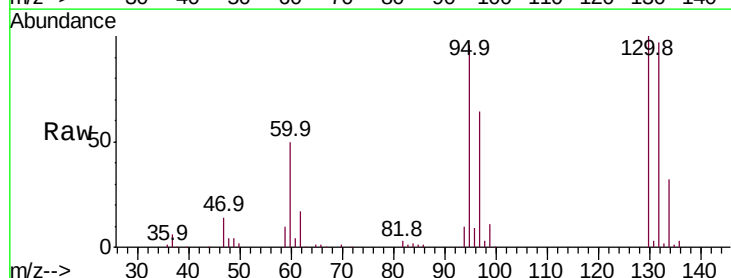
RT: 8.55 min Scan# 724

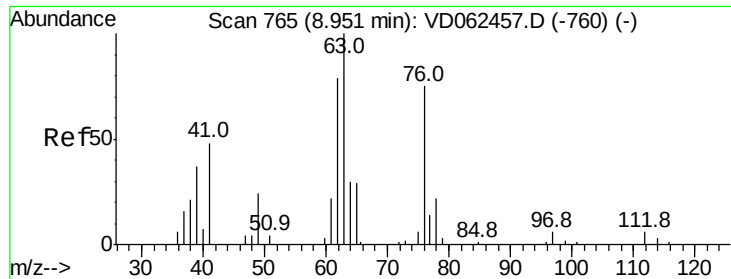
Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Tgt Ion:	130	Resp:	420691
Ion Ratio	Lower	Upper	
130	100		
95	96.1	0.0	174.0





#45

1,2-Dichloropropane

Concen: 51.910 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 266391

Ion Ratio Lower Upper

63 100

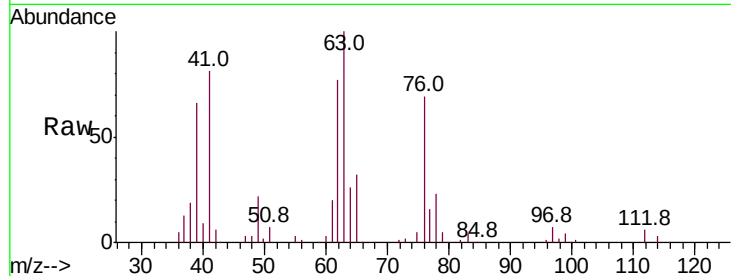
65 32.0 23.8 35.6

Manual Integrations

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Abundance Ion 62.95 (62.65 to 63.65): VDC

120000 Ion 64.95 (64.65 to 65.65): VDC

100000

80000

60000

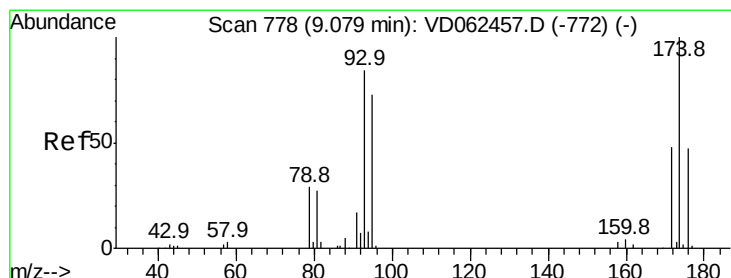
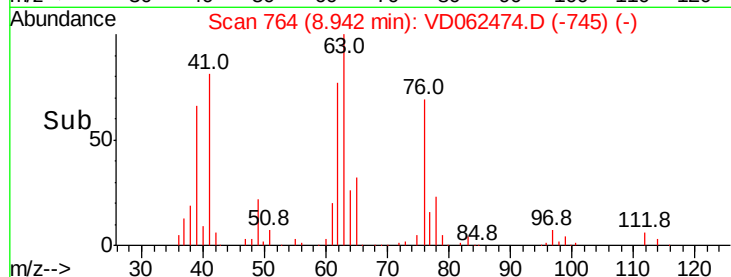
40000

20000

0

8.70 8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 50.769 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

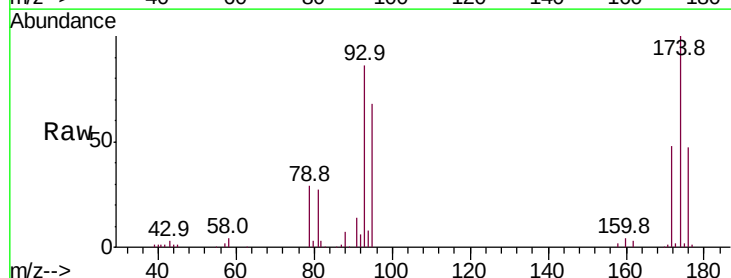
Tgt Ion: 93 Resp: 236167

Ion Ratio Lower Upper

93 100

95 78.7 64.8 97.2

174 116.0 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

150000 Ion 94.90 (94.60 to 95.60): VDC

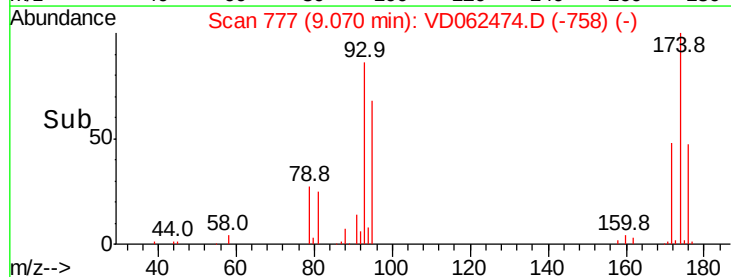
100000 Ion 173.80 (173.50 to 174.50): V

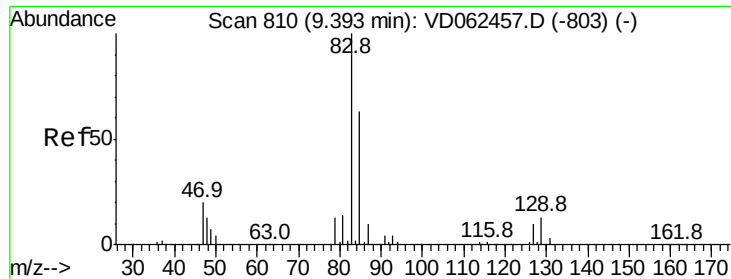
50000

0

8.90 9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 51.336 ug/l

RT: 9.37 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

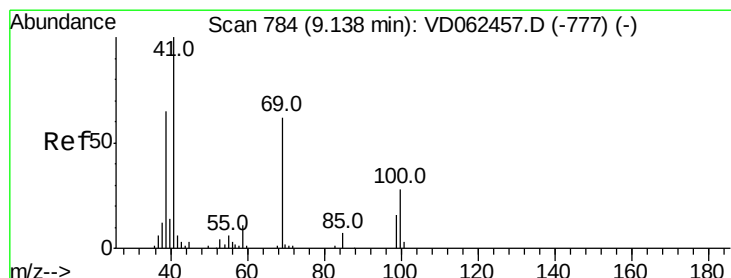
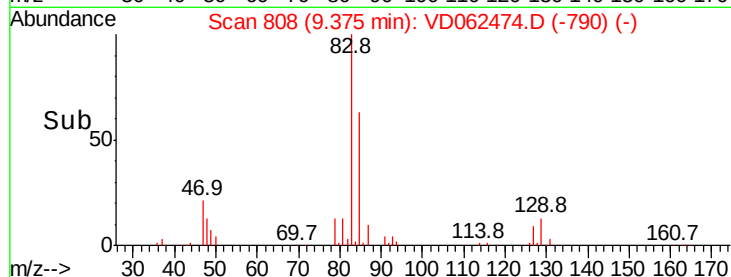
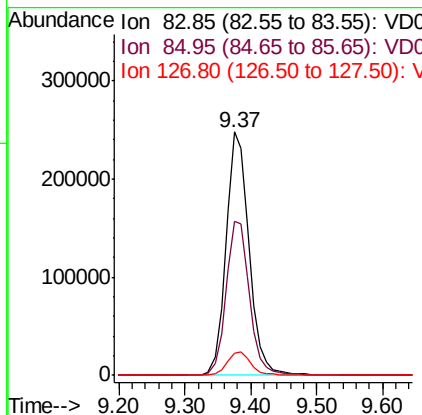
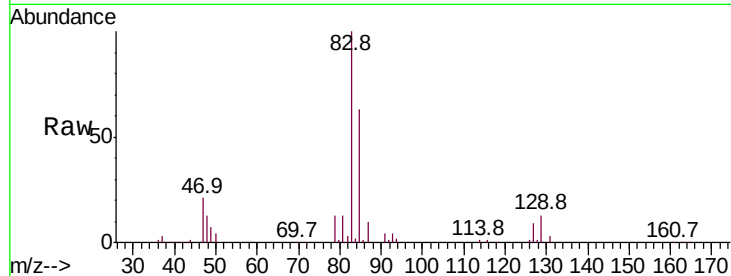
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	607497
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.9	76.3
127	9.4	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.614 ug/l

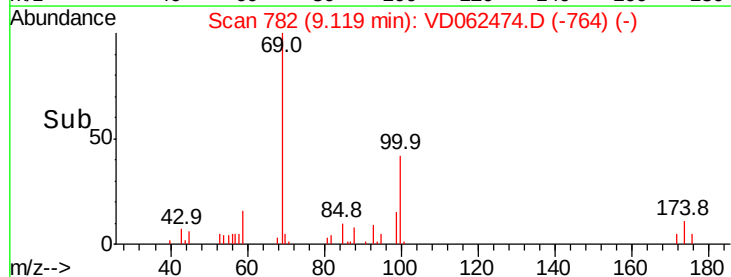
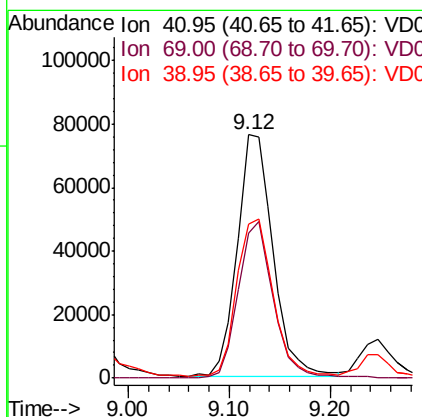
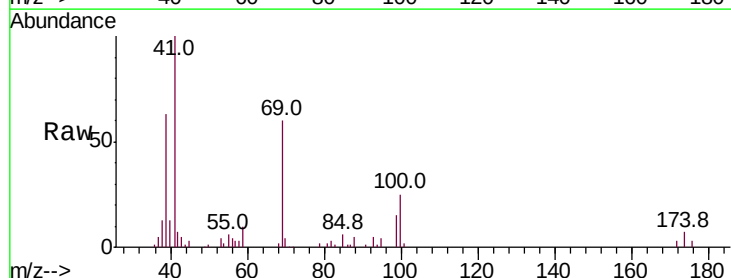
RT: 9.12 min Scan# 782

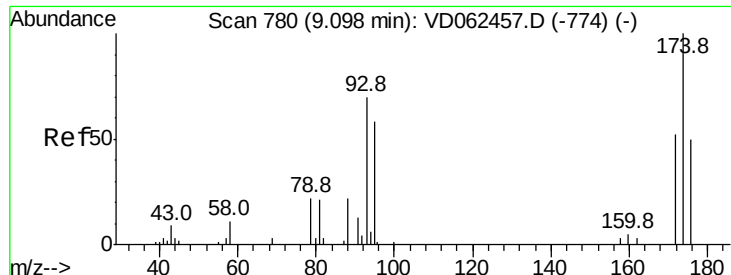
Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Tgt Ion:	41	Resp:	188447
Ion	Ratio	Lower	Upper
41	100		
69	59.7	64.2	96.2#
39	63.1	46.8	70.2





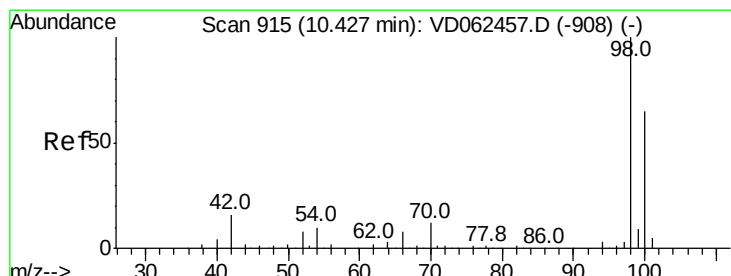
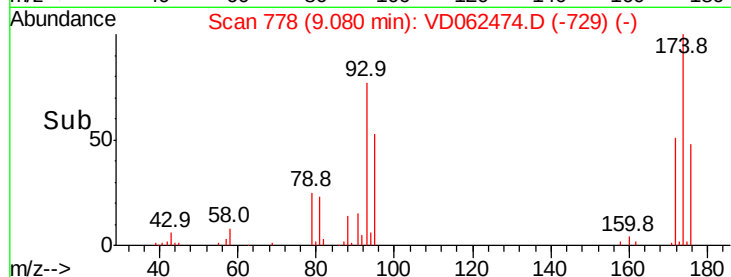
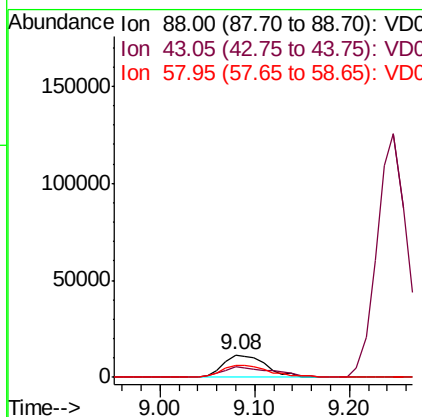
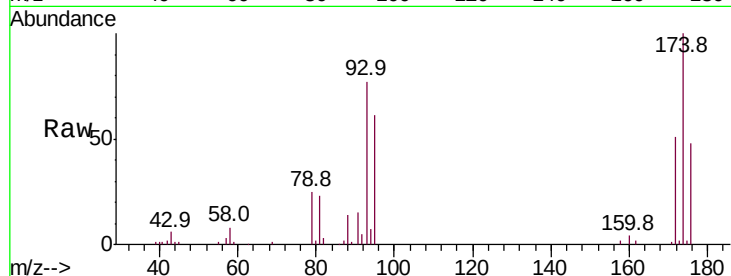
#49
 1,4-Dioxane
 Concen: 1071.373 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. -0.02 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.8	23.4	35.0#
58	54.9	44.0	66.0

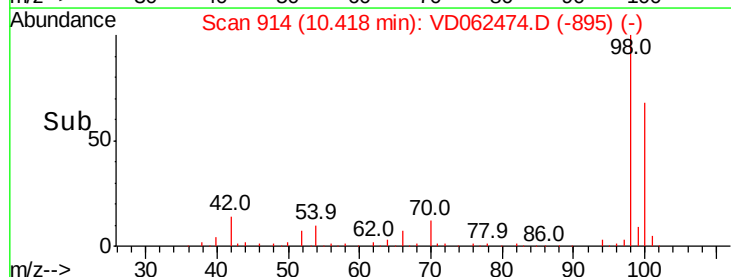
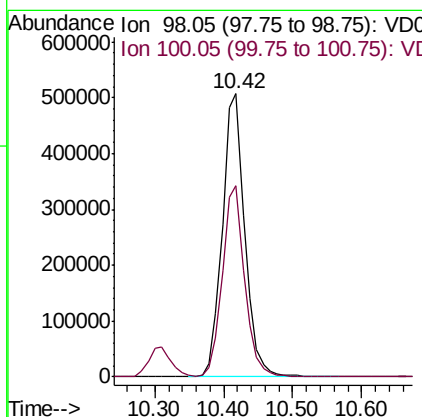
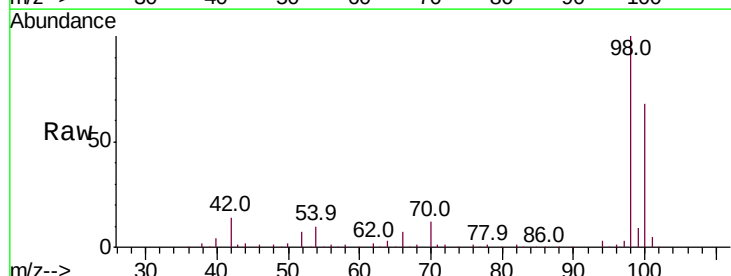
Manual Integrations
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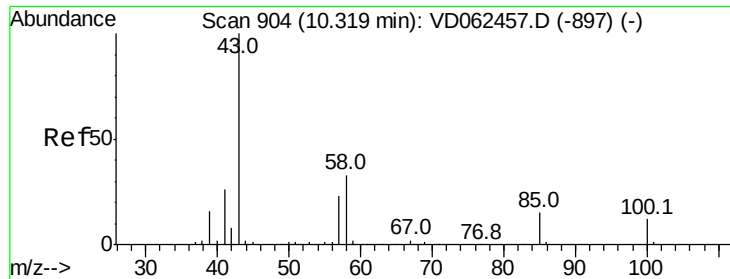
MMDadoda
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#50
 Toluene-d8
 Concen: 51.527 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 267.824 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.02 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 978908

Ion Ratio Lower Upper

43 100

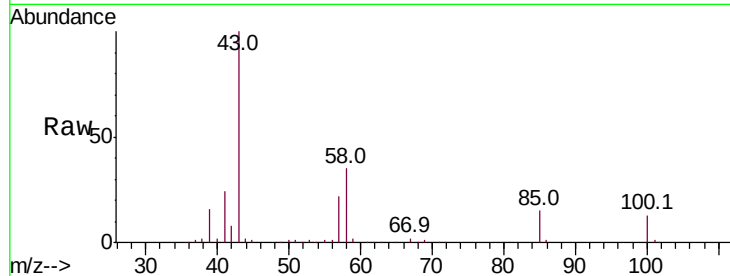
58 34.8 30.4 45.6

Manual Integrations

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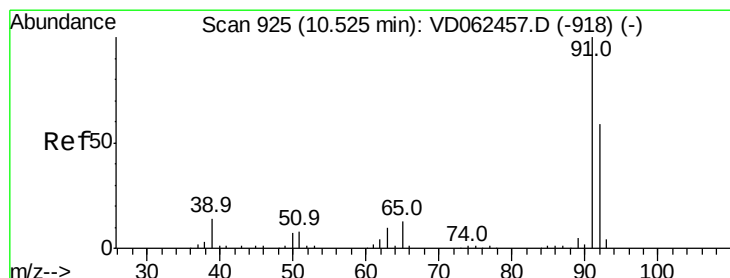
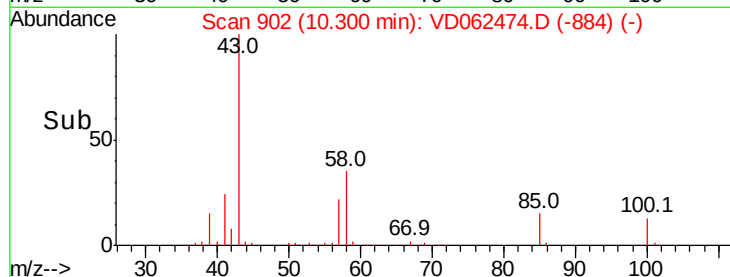
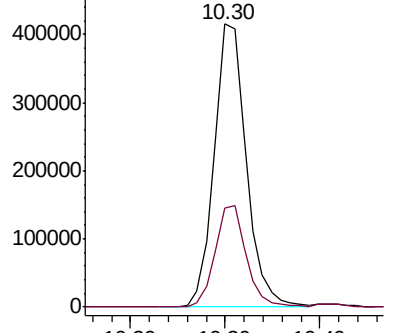
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 47.665 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD062474.D

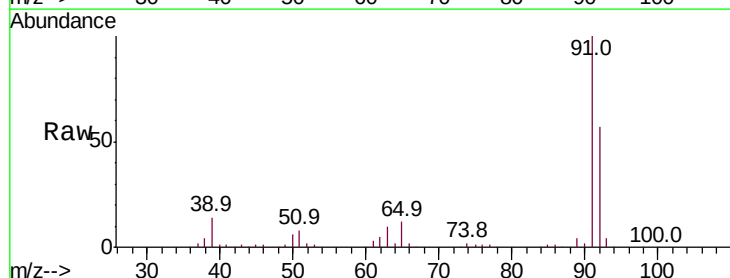
Acq: 21 May 2019 11:49

Tgt Ion: 92 Resp: 687134

Ion Ratio Lower Upper

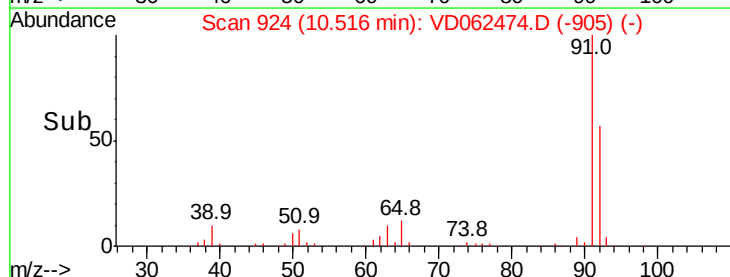
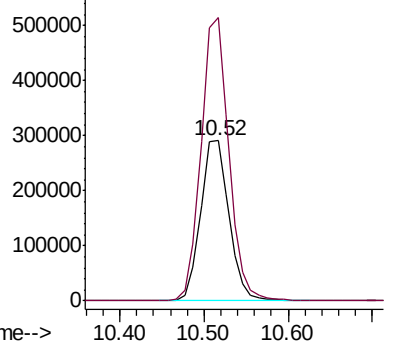
92 100

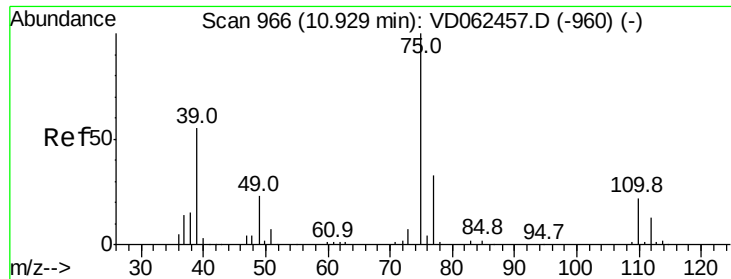
91 176.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 50.983 ug/l

RT: 10.92 min Scan# 965

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 502295

Ion Ratio Lower Upper

75 100

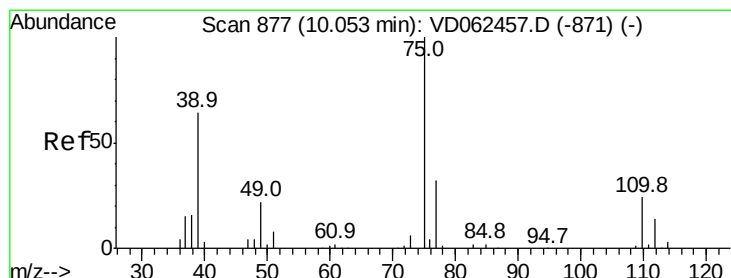
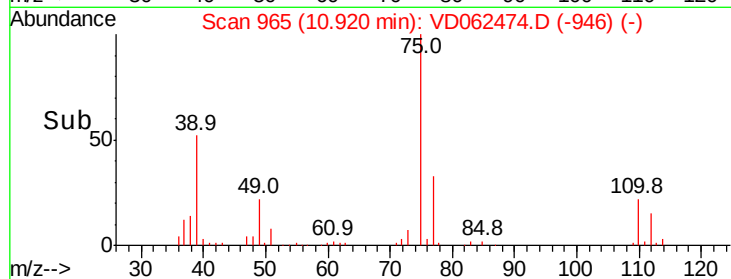
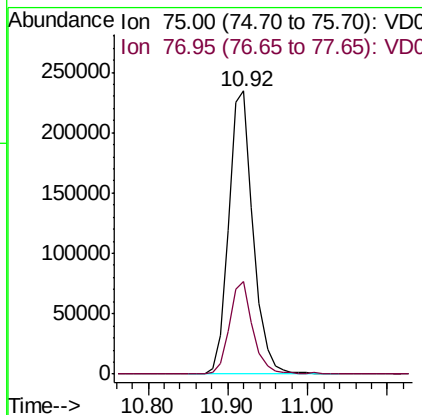
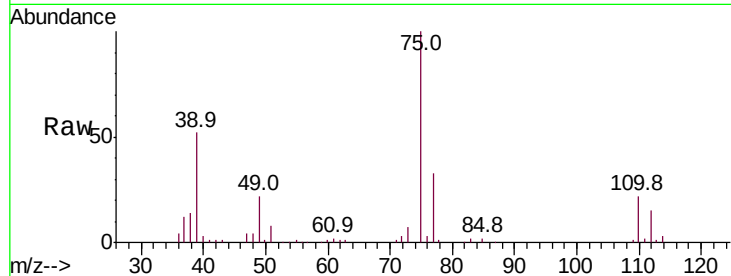
77 32.9 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.519 ug/l

RT: 10.04 min Scan# 876

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

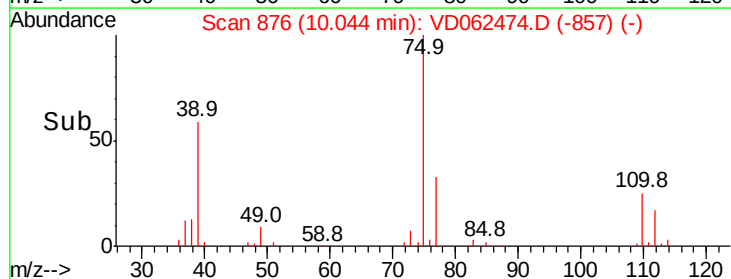
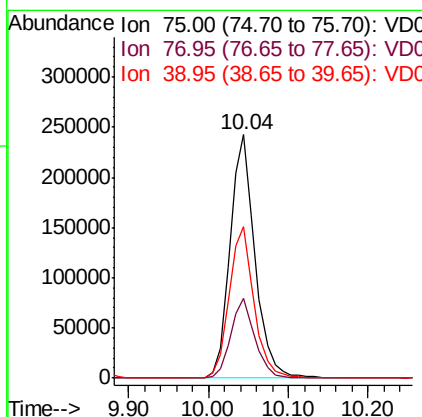
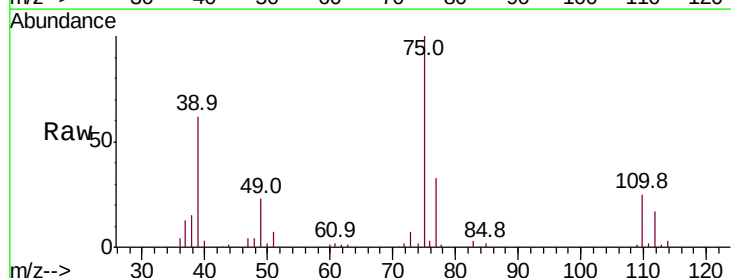
Tgt Ion: 75 Resp: 529621

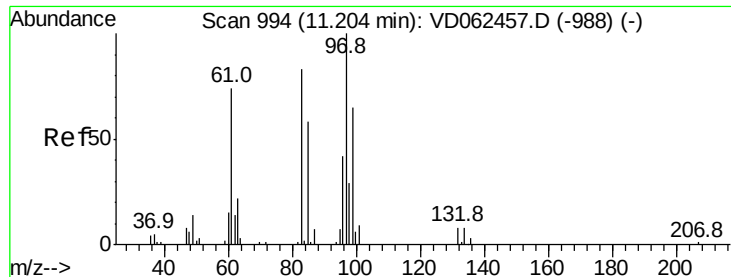
Ion Ratio Lower Upper

75 100

77 32.9 25.5 38.3

39 62.3 39.4 59.2#





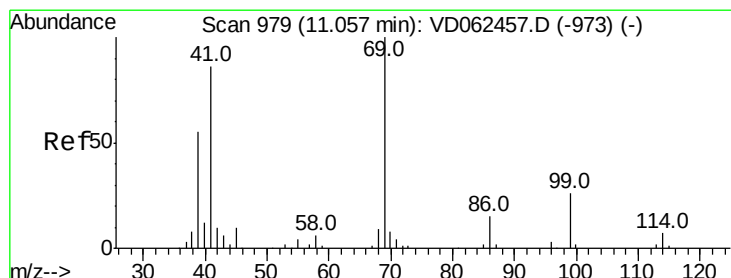
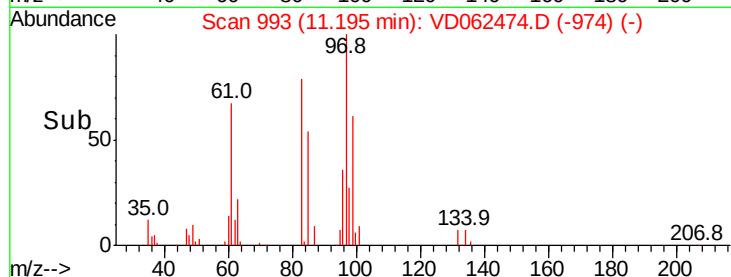
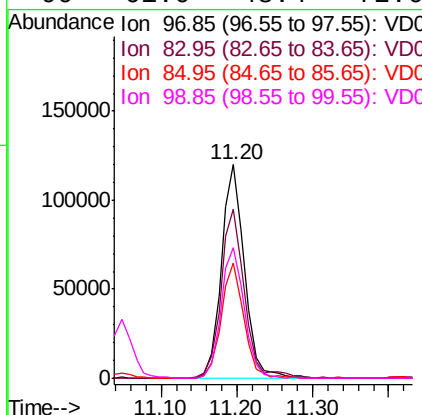
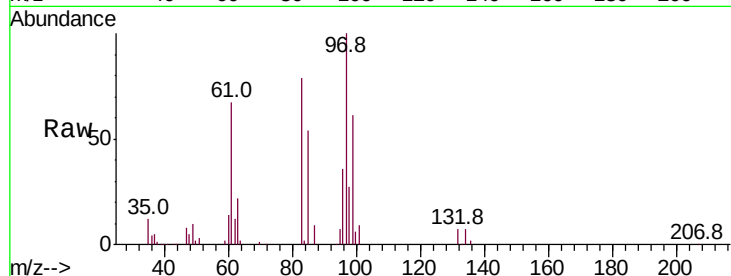
#55
1,1,2-Trichloroethane
Concen: 51.593 ug/l
RT: 11.20 min Scan# 993
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	252078		
83	78.8	65.7	98.5	
85	53.8	45.6	68.4	
99	61.0	48.4	72.6	

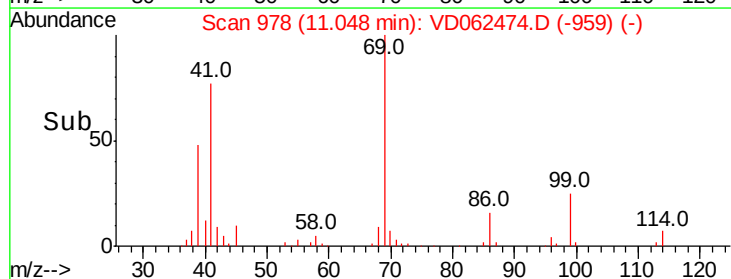
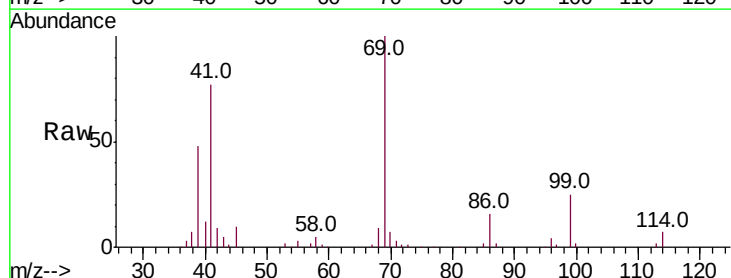
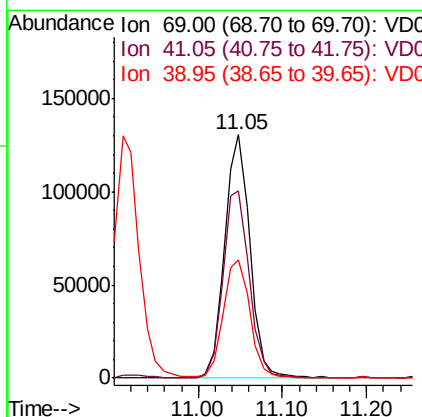
Manual Integrations
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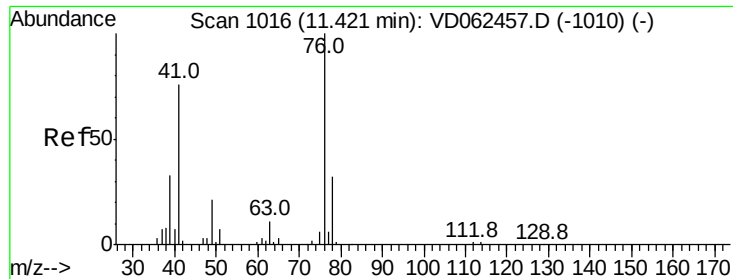
MMDadoda
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#56
Ethyl methacrylate
Concen: 51.935 ug/l
RT: 11.05 min Scan# 978
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	271261		
41	76.9	56.3	84.5	
39	48.4	29.4	44.2#	





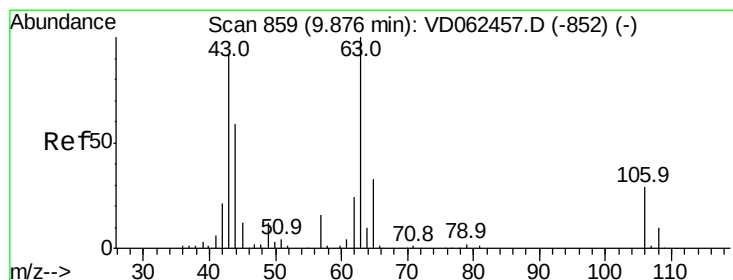
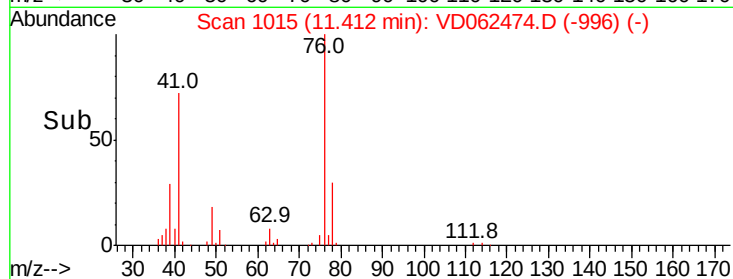
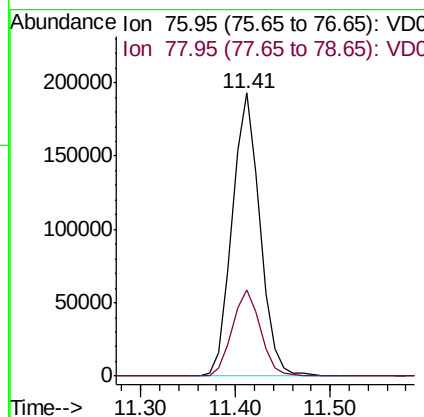
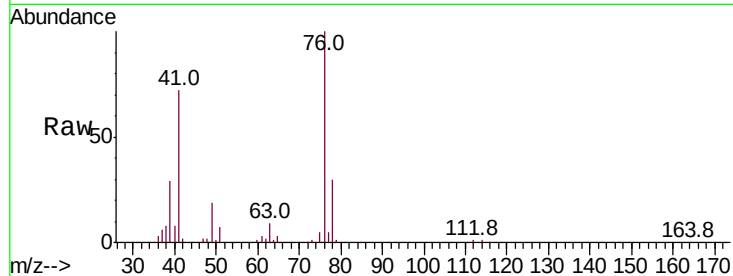
#57
 1,3-Dichloropropane
 Concen: 52.103 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 390410
 Ion Ratio Lower Upper
 76 100
 78 30.4 26.2 39.2

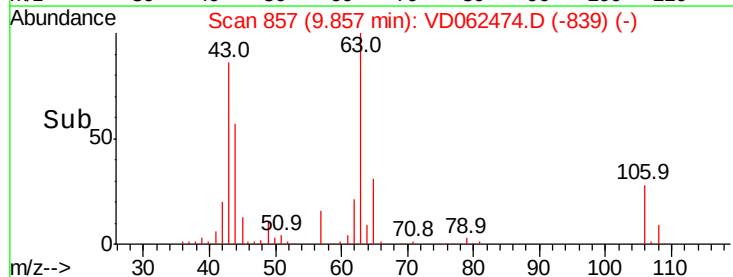
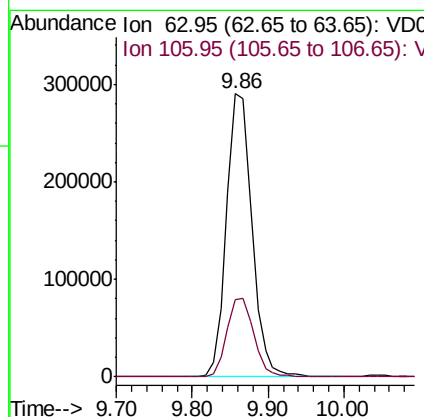
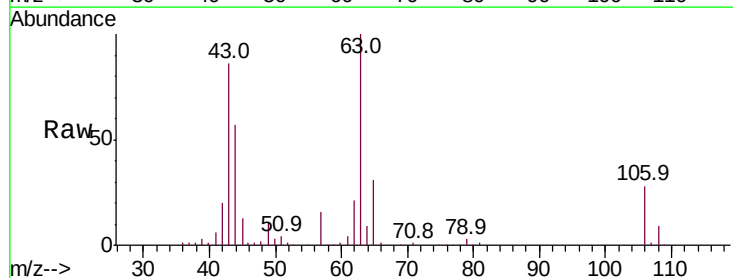
Manual Integrations
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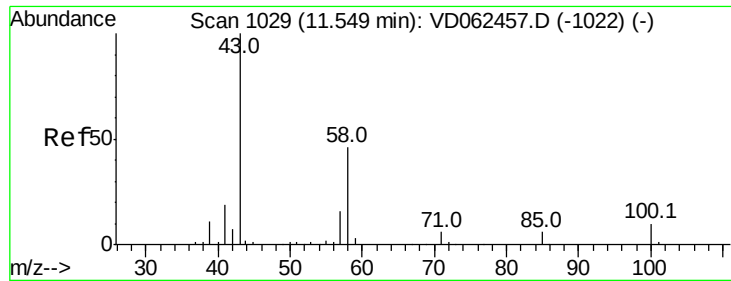
MMDadoda
 5/22/2019 12:40:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.862 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.02 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion: 63 Resp: 680864
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.6 34.0





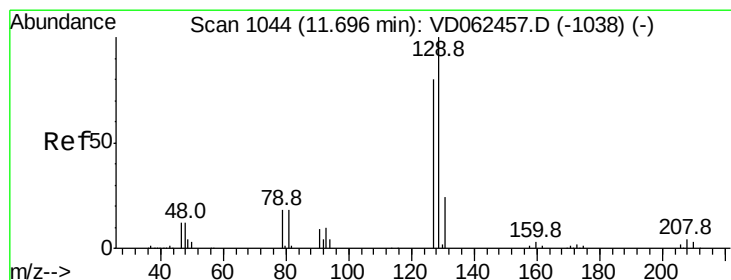
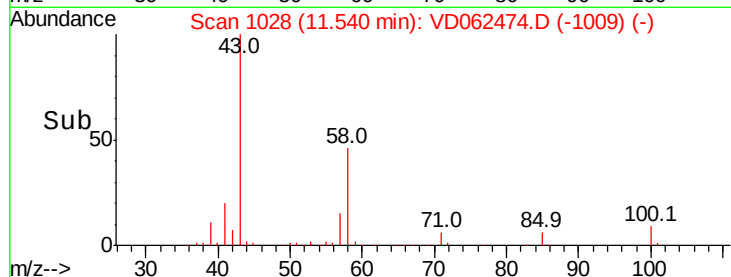
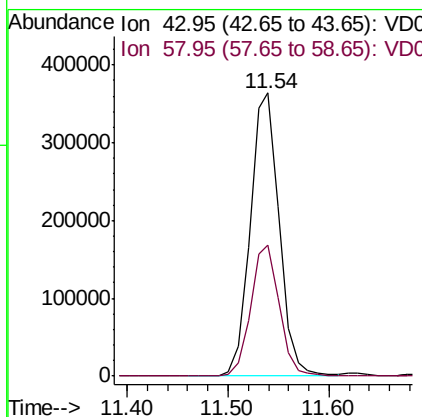
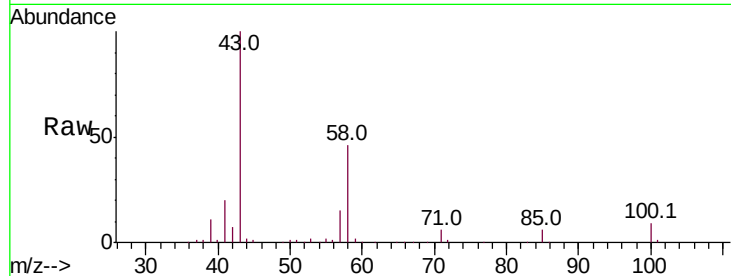
#59
2-Hexanone
Concen: 274.364 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 728824
Ion Ratio Lower Upper
43 100
58 46.4 25.4 76.4

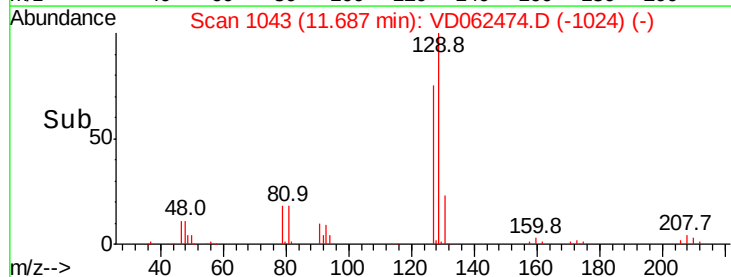
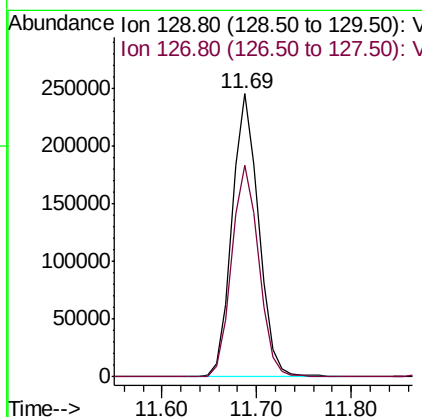
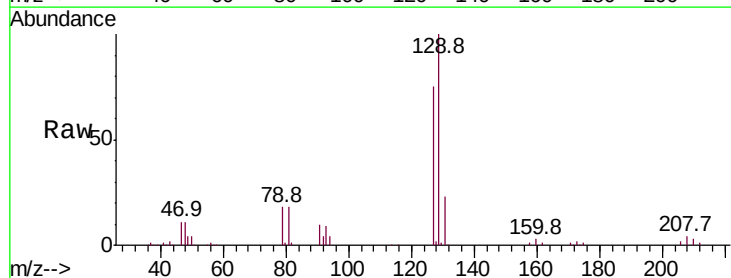
Manual Integrations
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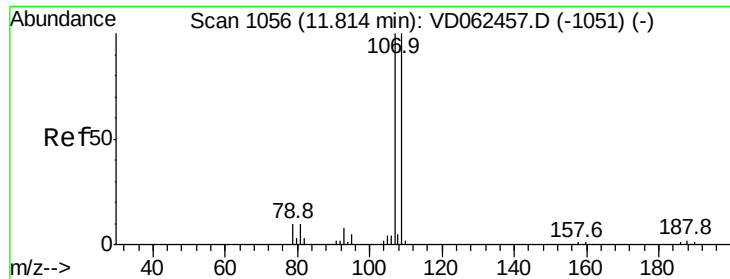
MMDadoda
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#60
Dibromochloromethane
Concen: 50.890 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion: 129 Resp: 477567
Ion Ratio Lower Upper
129 100
127 74.7 38.0 113.9





#61

1,2-Dibromoethane

Concen: 52.417 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 315612

Ion Ratio Lower Upper

107 100

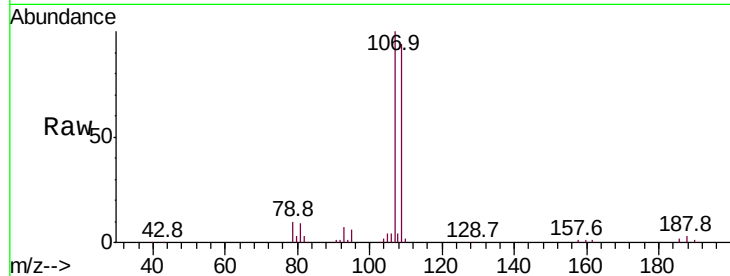
109 94.3 78.3 117.5

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

200000

150000

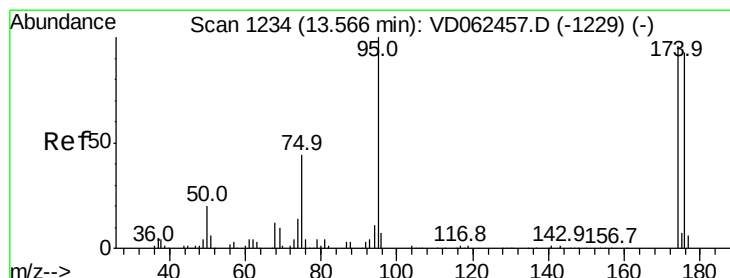
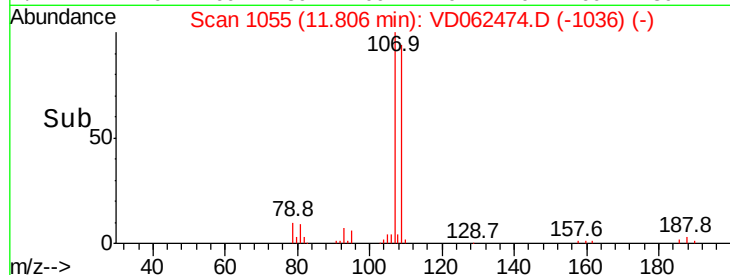
100000

50000

0

11.70 11.80 11.90

Time-->



#62

4-Bromofluorobenzene

Concen: 50.479 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

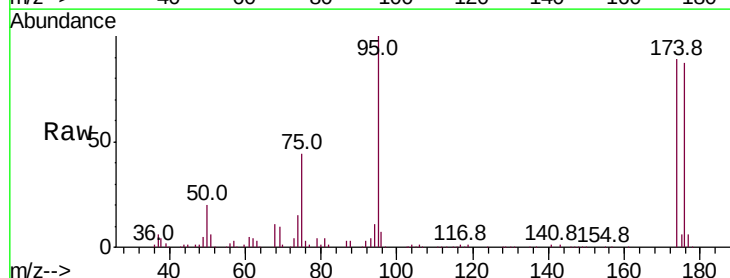
Tgt Ion: 95 Resp: 489504

Ion Ratio Lower Upper

95 100

174 89.0 0.0 181.8

176 86.7 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

500000

400000

300000

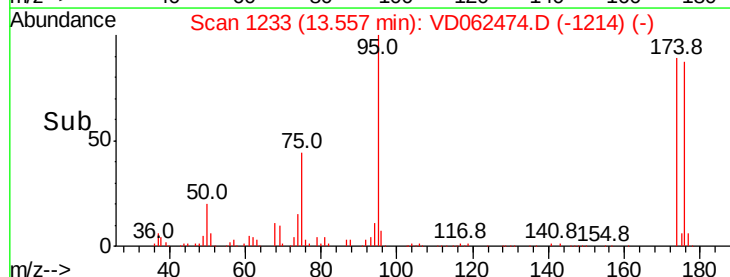
200000

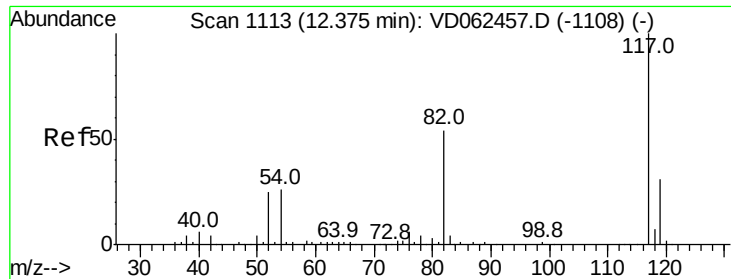
100000

0

13.50 13.60

Time-->





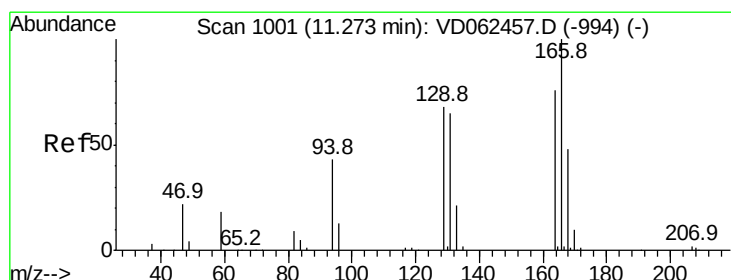
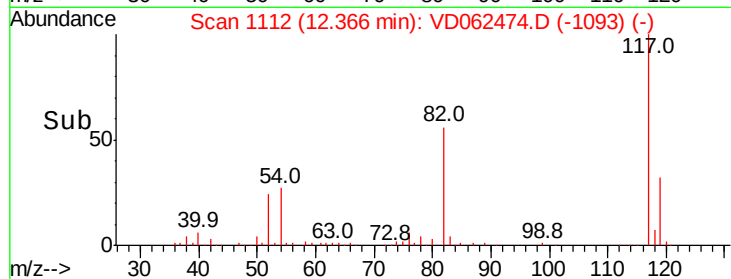
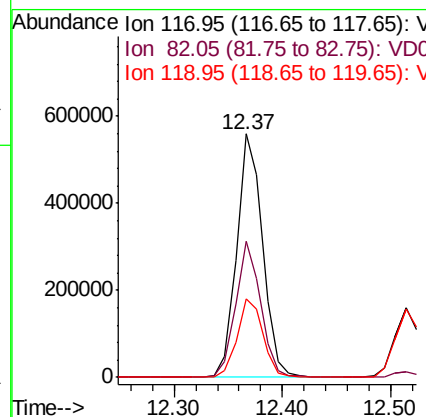
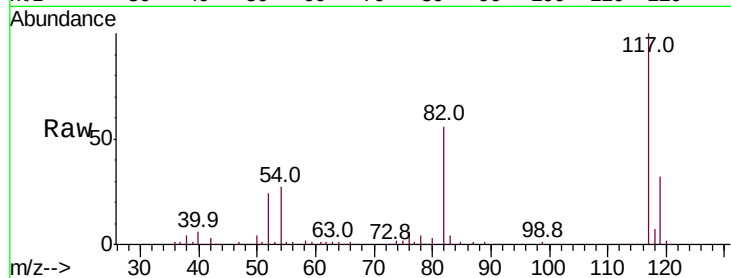
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	932807		
82	55.8	36.2	54.2#	
119	32.0	26.2	39.4	

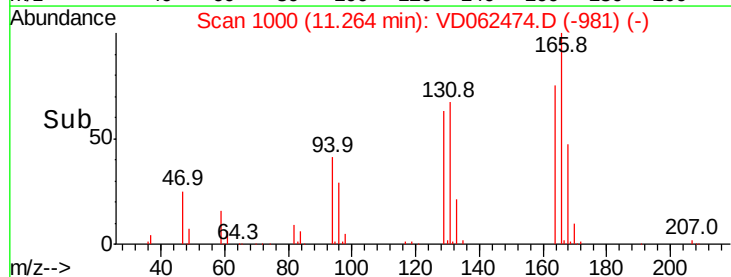
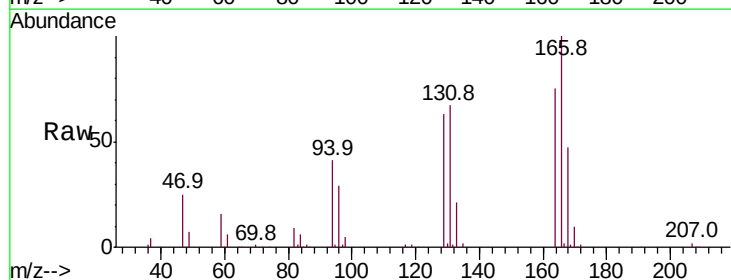
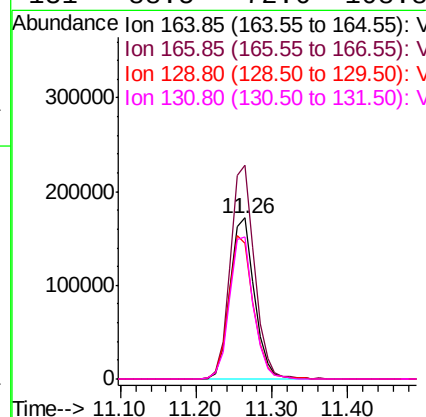
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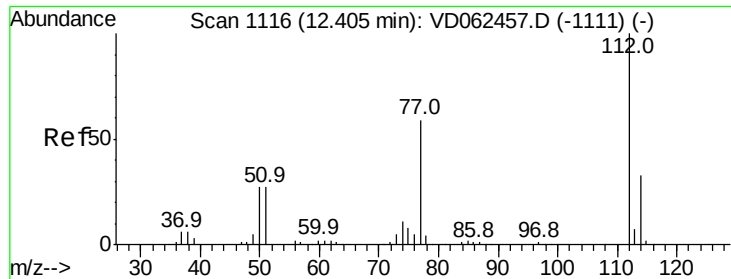
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#64
Tetrachloroethene
Concen: 49.066 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	383226		
166	132.7	101.5	152.3	
129	84.1	74.6	112.0	
131	88.5	72.6	108.8	





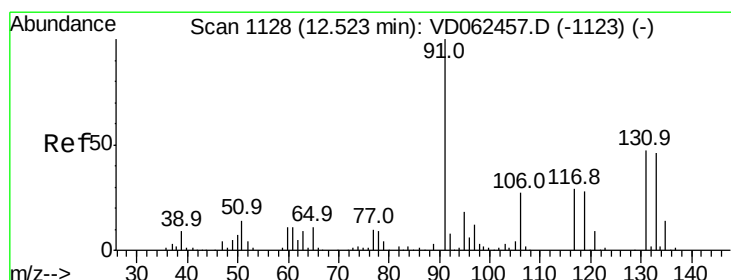
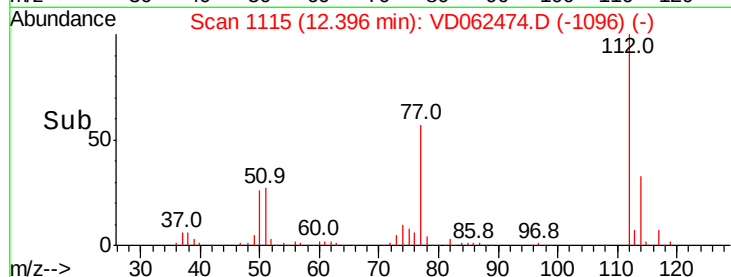
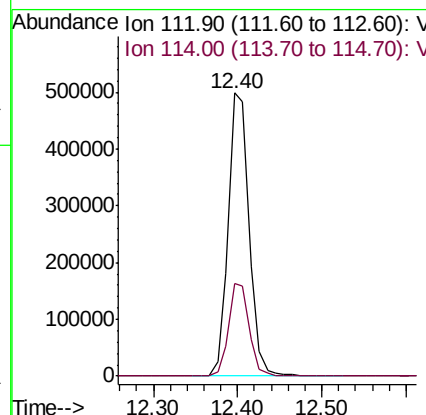
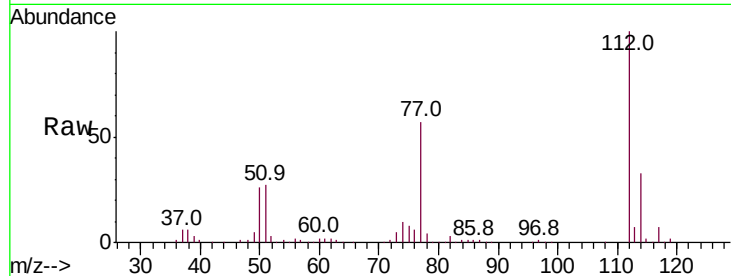
#65
Chlorobenzene
Concen: 47.675 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 855210
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8

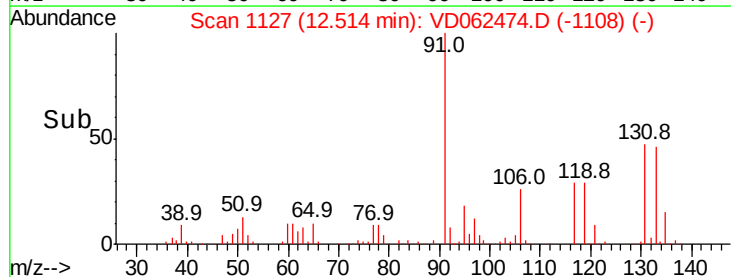
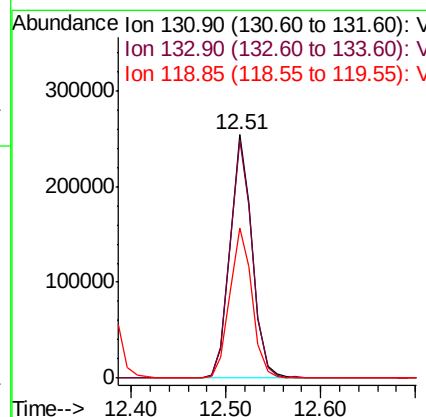
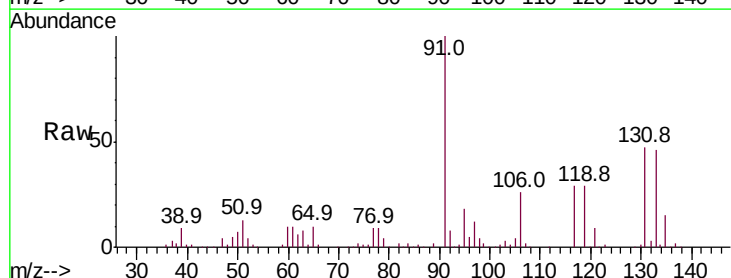
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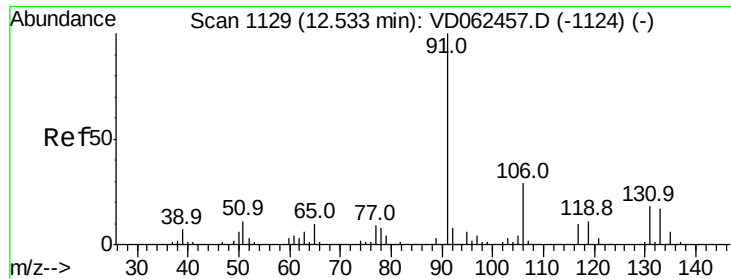
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.943 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion:131 Resp: 405266
Ion Ratio Lower Upper
131 100
133 98.1 48.6 145.8
119 61.7 34.7 104.1





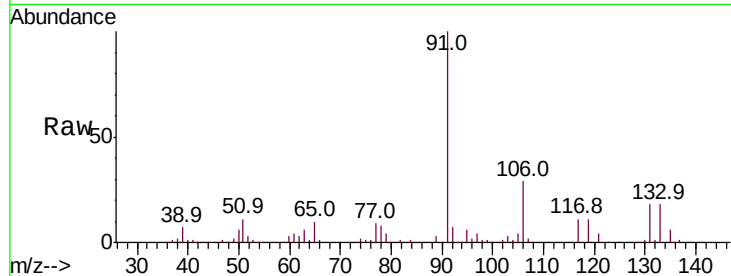
#67
Ethyl Benzene
Concen: 50.751 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

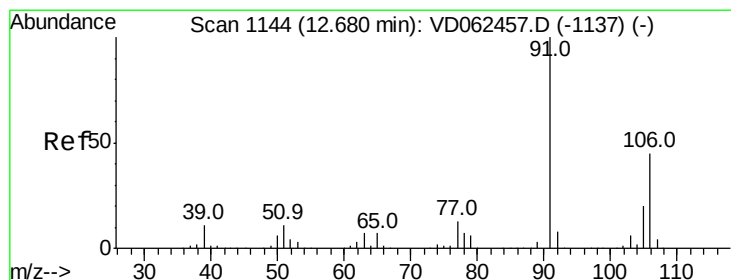
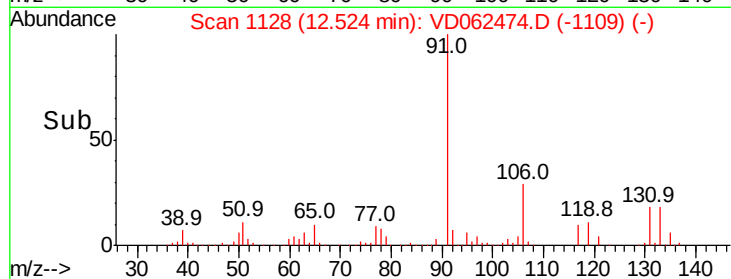
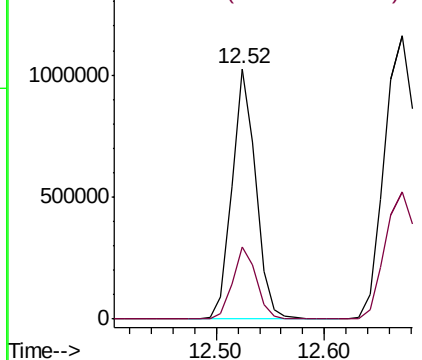
Tot Ion: 91 Resp: 1568070
Ion Ratio Lower Upper
91 100
106 28.8 24.7 37.1

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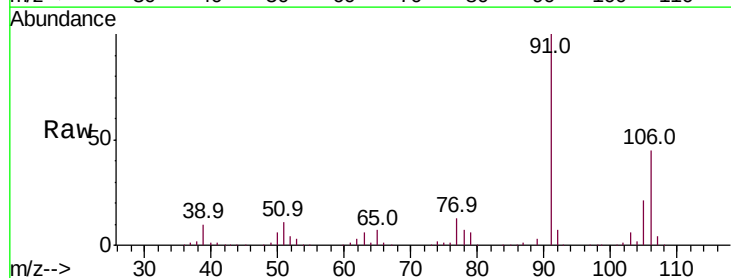


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

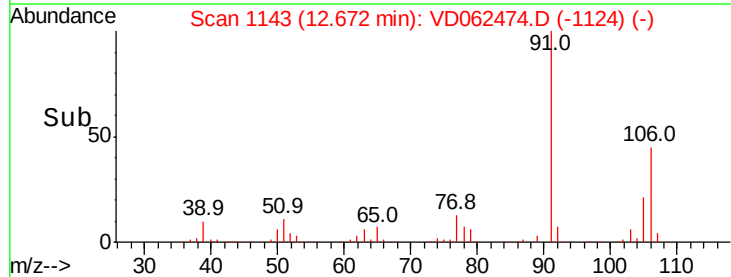
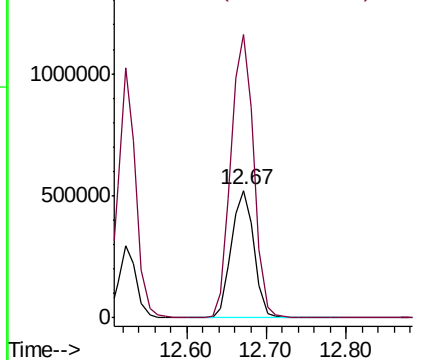


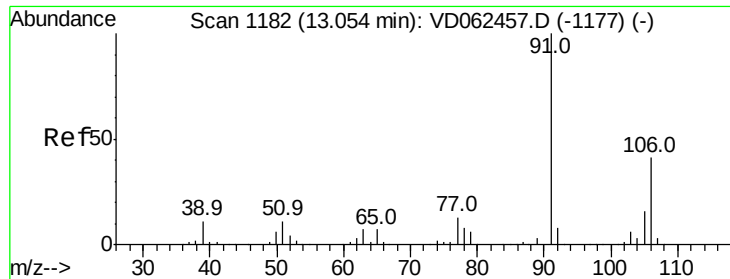
#68
m/p-Xylenes
Concen: 93.865 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion:106 Resp: 1041056
Ion Ratio Lower Upper
106 100
91 221.6 164.0 246.0



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC





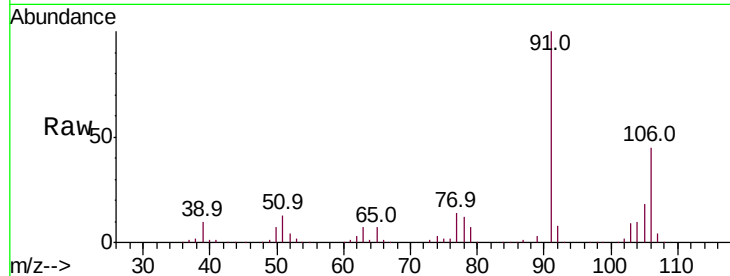
#69
o-Xylene
Concen: 48.546 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

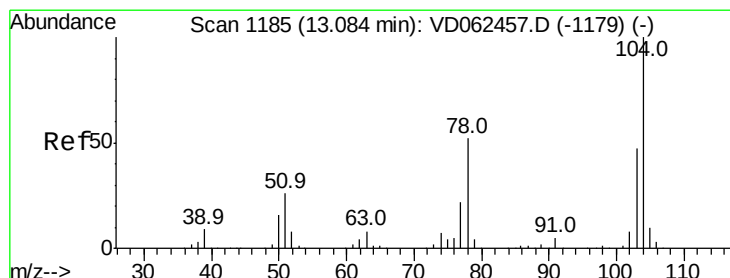
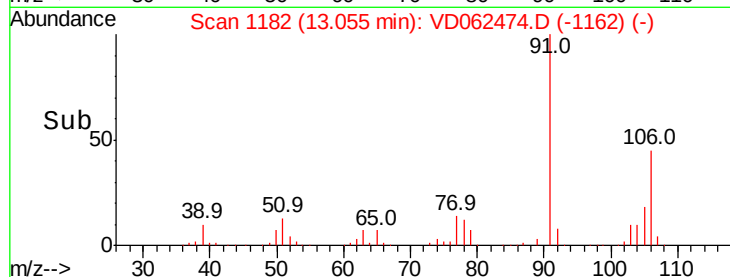
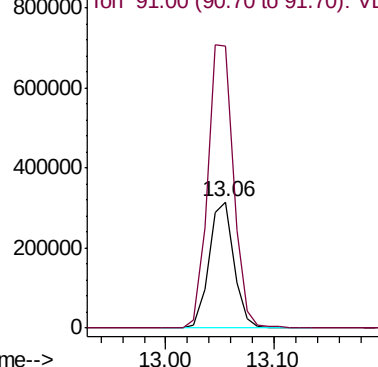
Tot Ion:106 Resp: 508021
Ion Ratio Lower Upper
106 100
91 223.0 106.7 319.9

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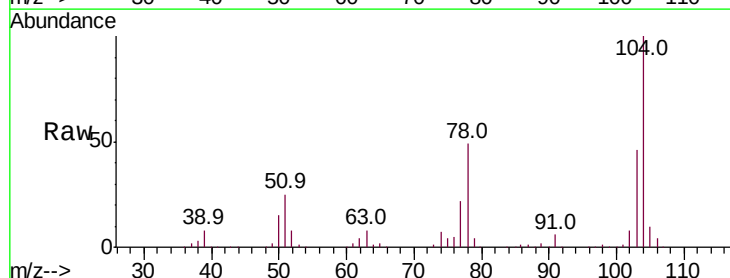


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

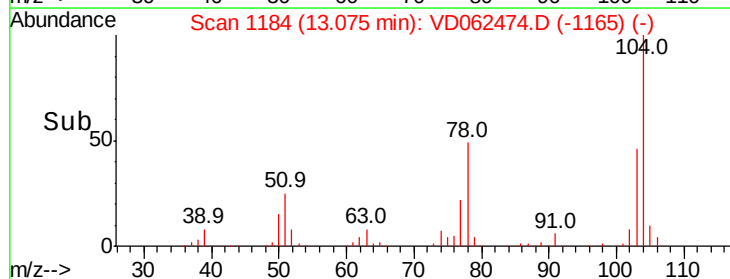
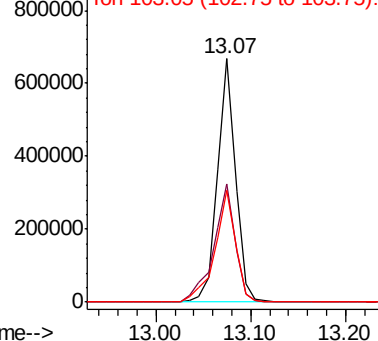


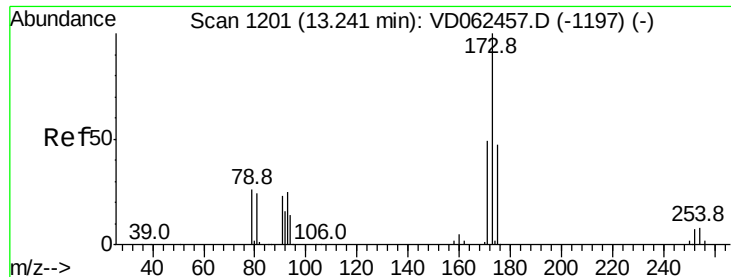
#70
Styrene
Concen: 49.514 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion:104 Resp: 881451
Ion Ratio Lower Upper
104 100
78 48.7 35.4 53.2
103 45.7 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 52.033 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

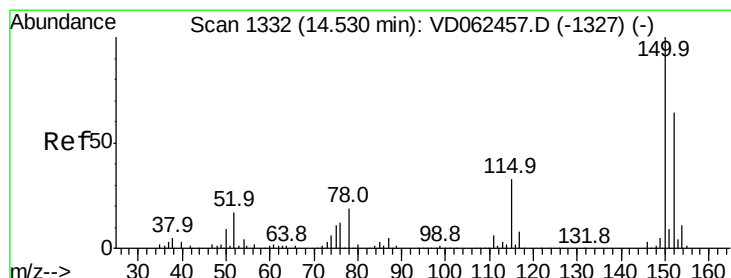
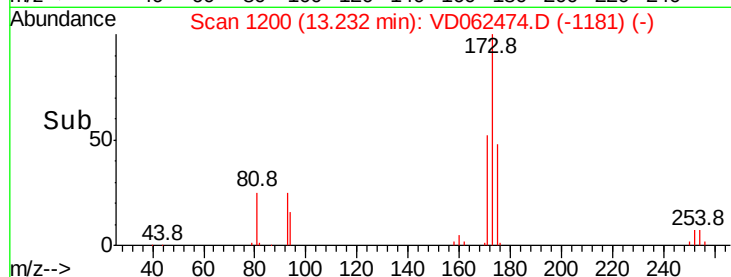
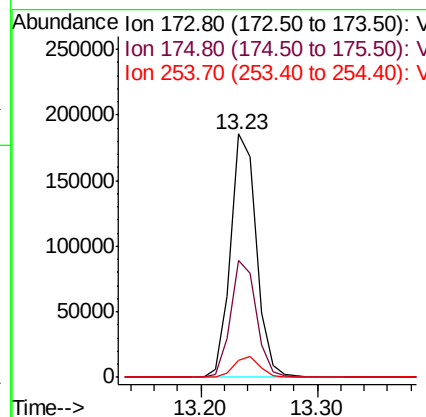
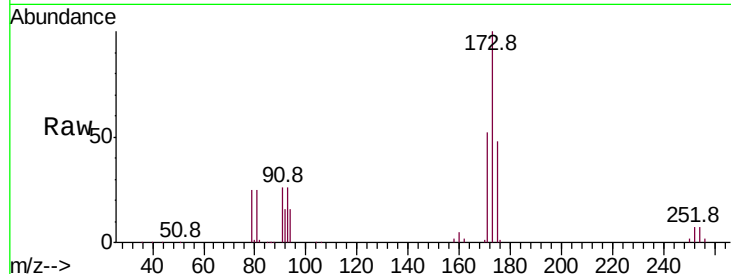
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	286135
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.4	73.4
254	6.9	5.4	8.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

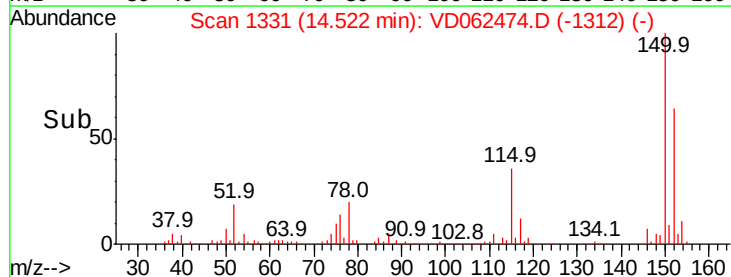
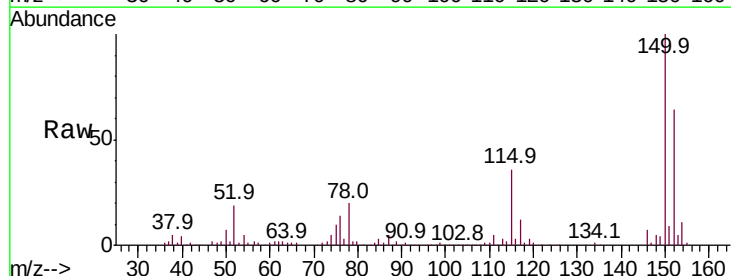
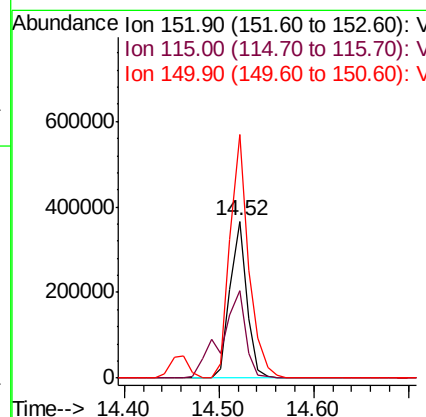
RT: 14.52 min Scan# 1331

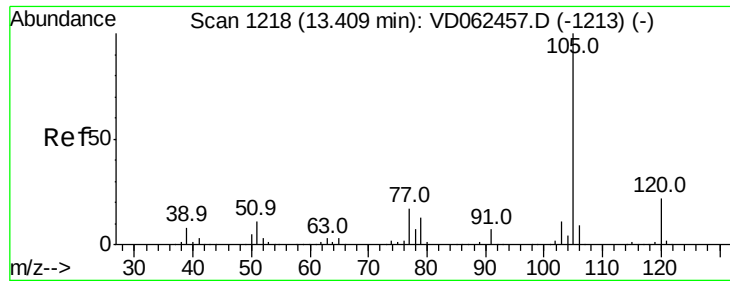
Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Tgt Ion:	152	Resp:	450824
Ion Ratio	Lower	Upper	
152	100		
115	55.9	30.9	92.7
150	155.2	0.0	314.8





#73

Isopropylbenzene

Concen: 52.340 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1487360

Ion Ratio Lower Upper

105 100

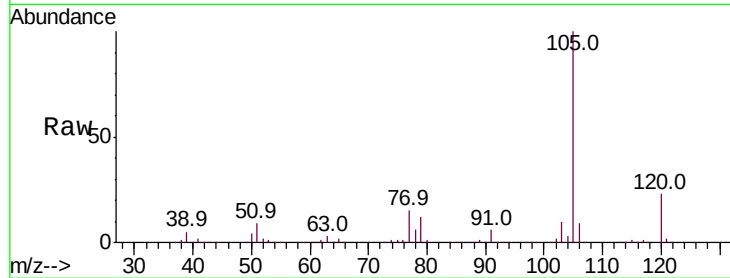
120 23.2 12.0 36.1

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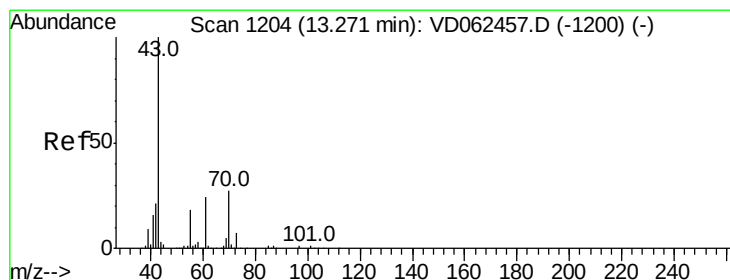
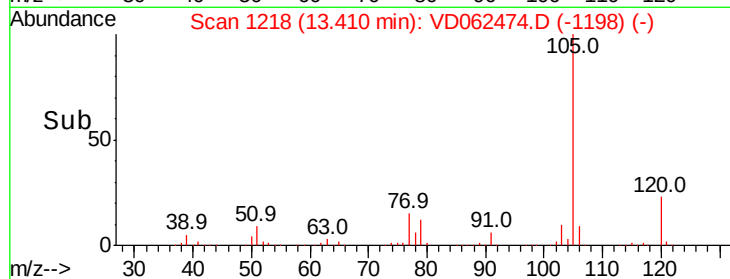
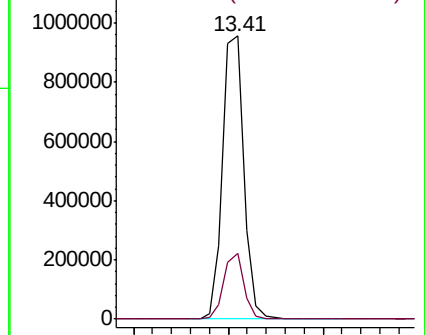
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 59.271 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Tgt Ion: 43 Resp: 415997

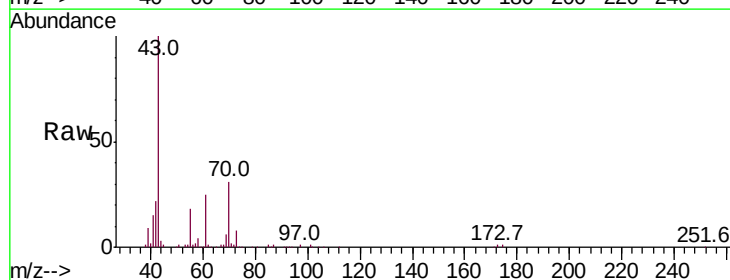
Ion Ratio Lower Upper

43 100

70 30.6 24.2 36.4

55 18.3 16.0 24.0

61 25.2 21.6 32.4

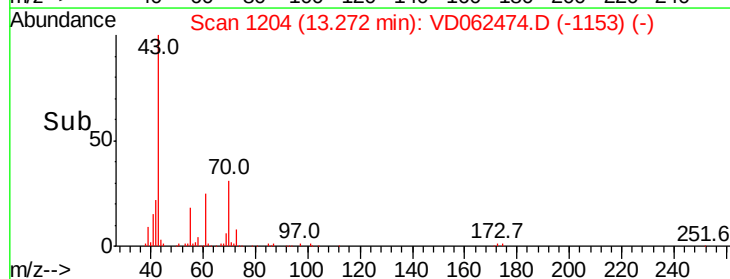
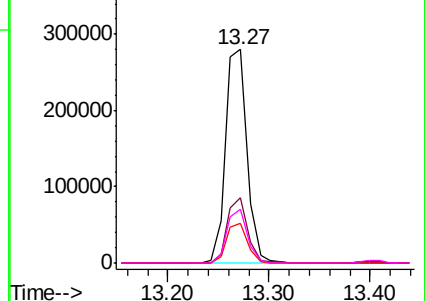


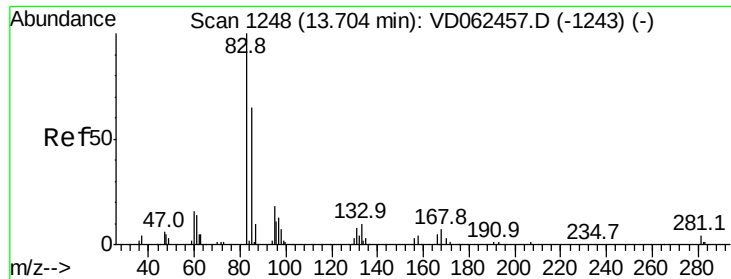
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.335 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

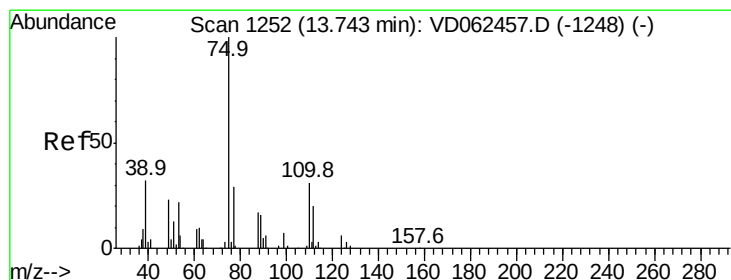
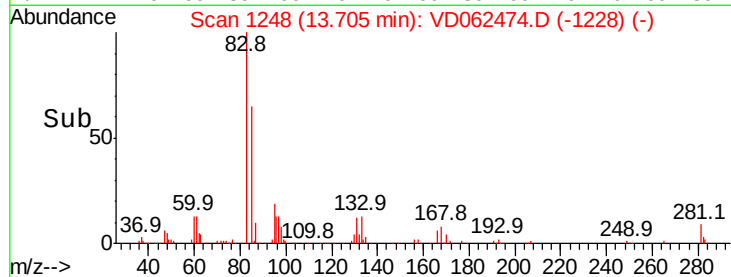
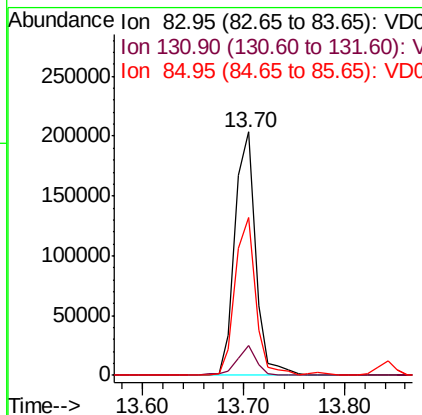
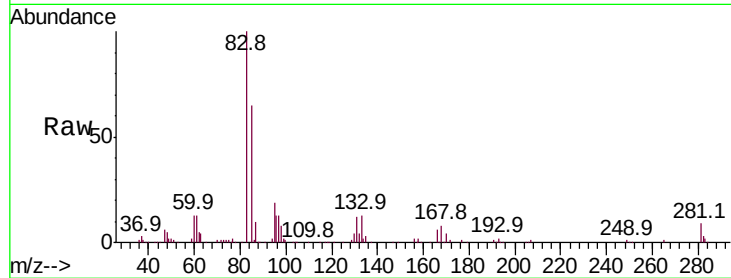
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	288810
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.0	14.9
85	64.9	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.640 ug/l

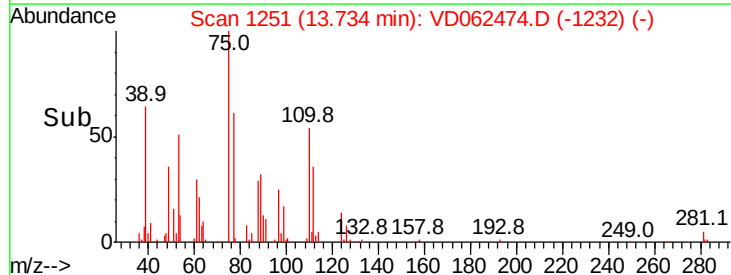
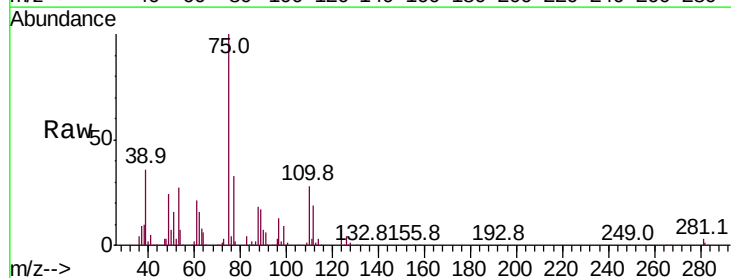
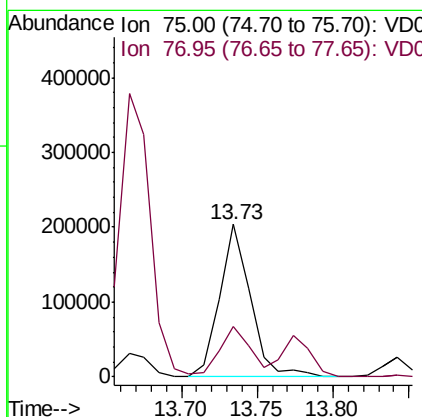
RT: 13.73 min Scan# 1251

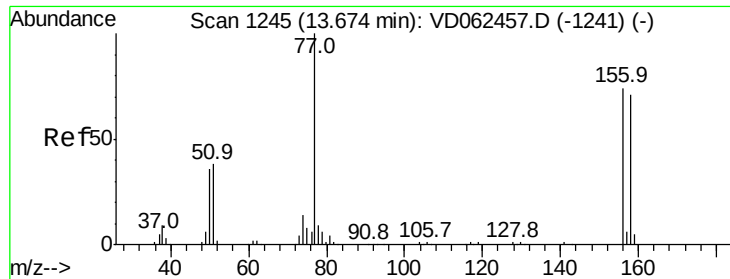
Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Tgt Ion:	75	Resp:	290147
Ion Ratio	Lower	Upper	
75	100		
77	32.9	16.4	49.4





#77

Bromobenzene

Concen: 55.874 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 450415

Ion Ratio Lower Upper

156 100

77 101.7 53.1 159.4

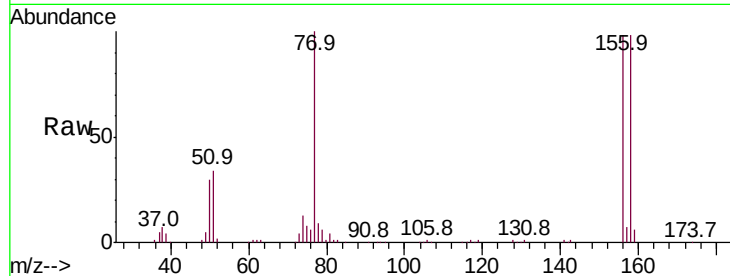
158 99.4 49.4 148.0

Manual Integrations

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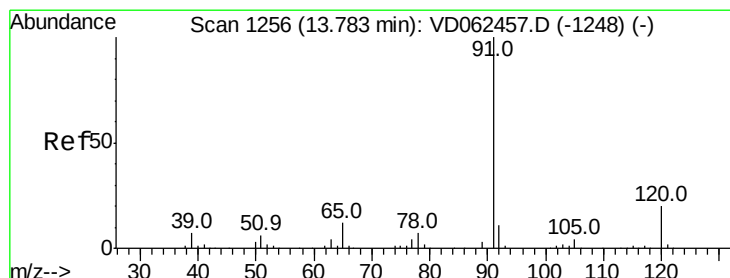
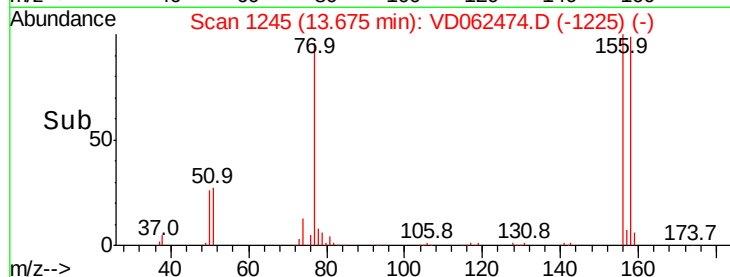
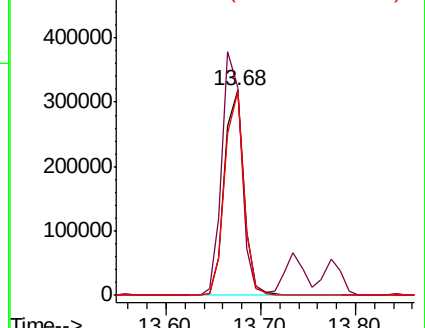
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 57.283 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD062474.D

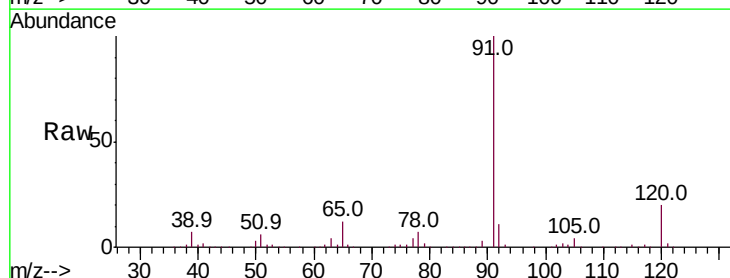
Acq: 21 May 2019 11:49

Tgt Ion: 91 Resp: 1885548

Ion Ratio Lower Upper

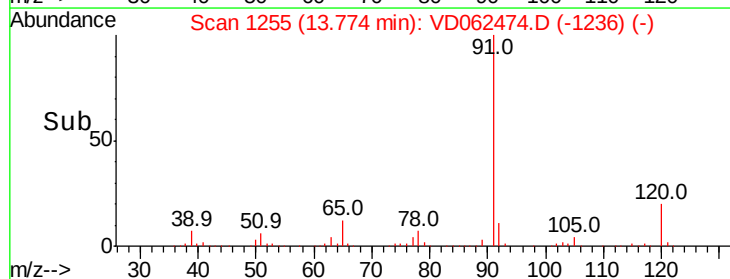
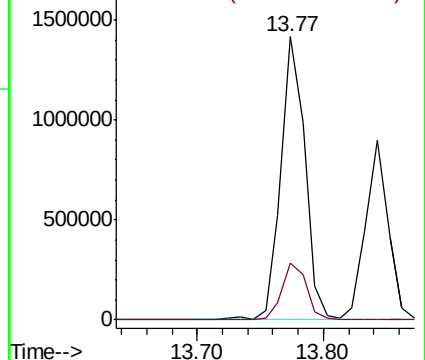
91 100

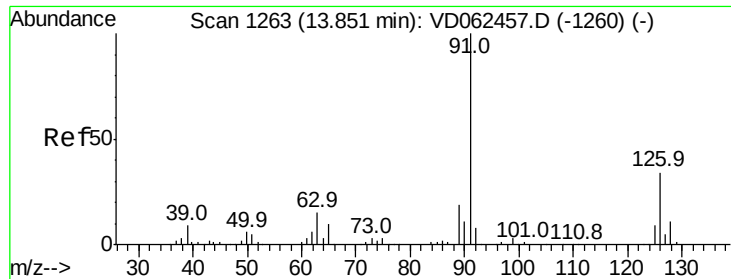
120 20.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 55.677 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1112195

Ion Ratio Lower Upper

91 100

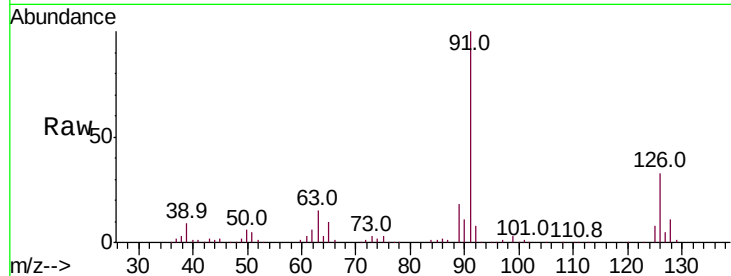
126 32.7 18.6 55.8

Manual Integrations

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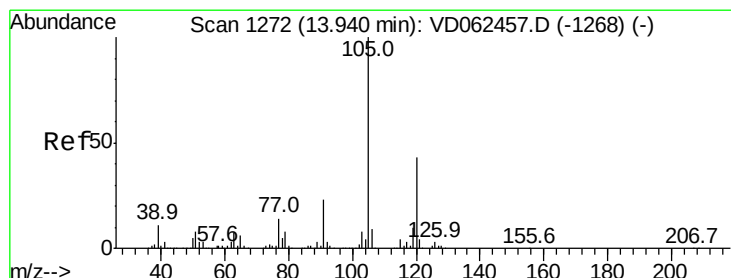
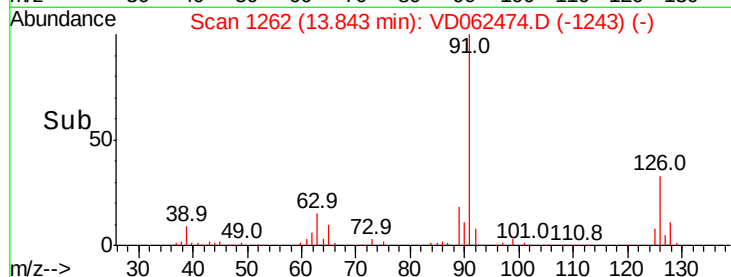
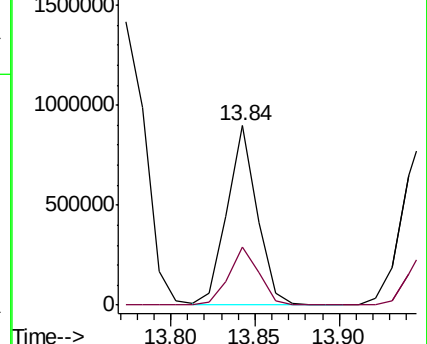
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 54.130 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062474.D

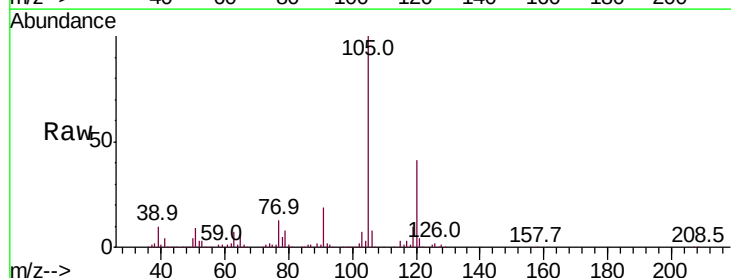
Acq: 21 May 2019 11:49

Tgt Ion: 105 Resp: 1331868

Ion Ratio Lower Upper

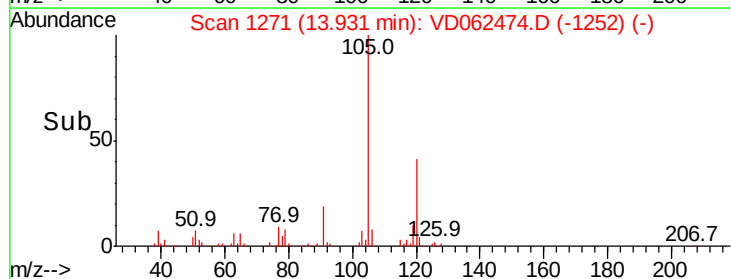
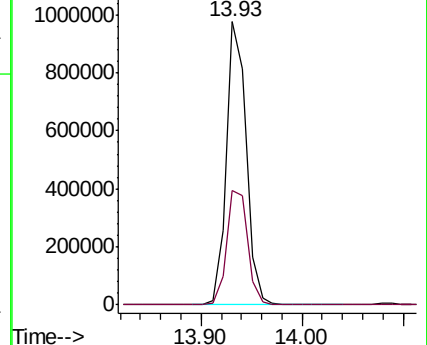
105 100

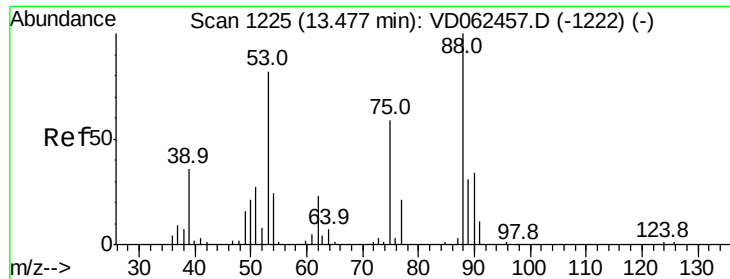
120 40.6 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





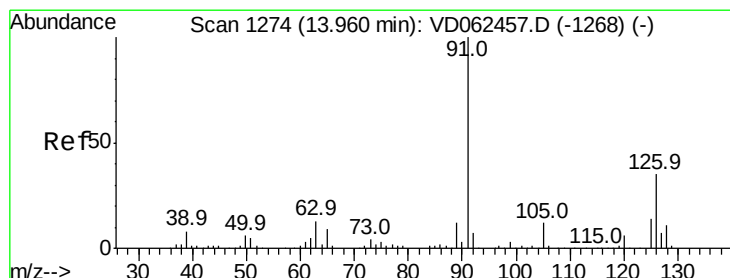
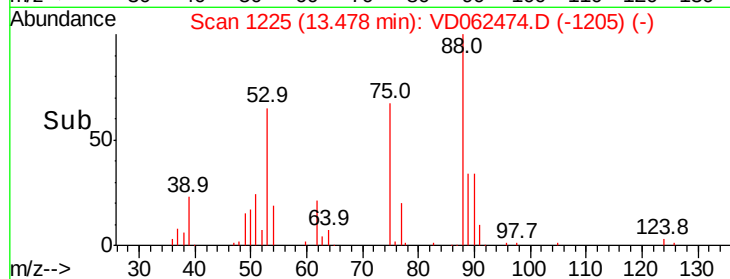
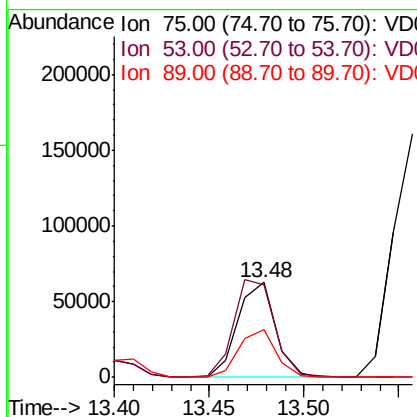
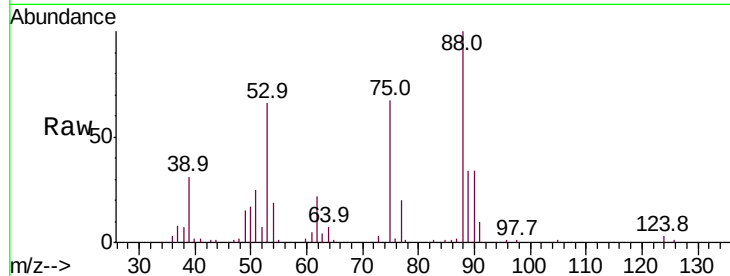
#81
trans-1,4-Dichloro-2-butene
Concen: 58.444 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.4	65.8	98.8
89	50.0	35.0	52.6

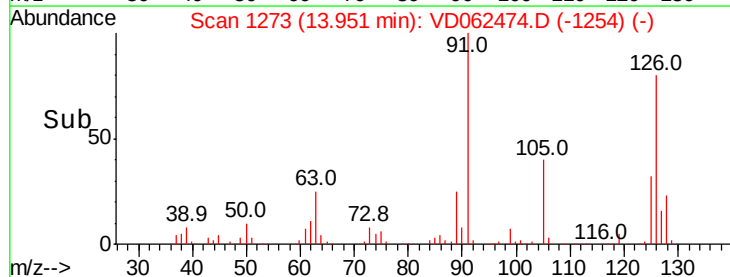
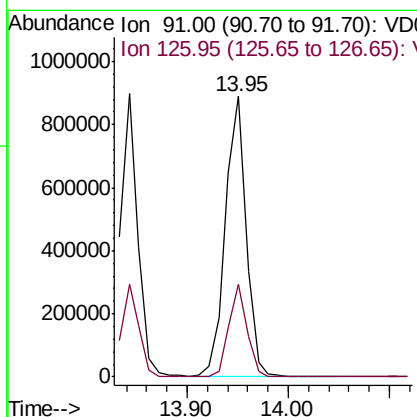
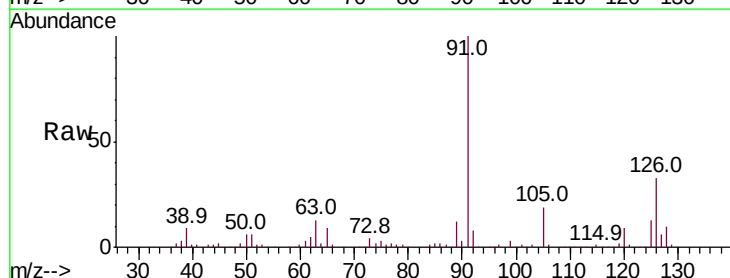
Manual Integrations
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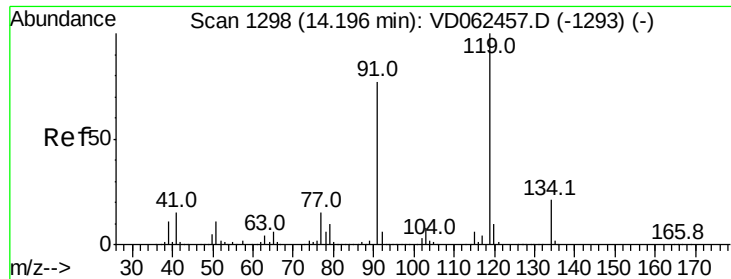
MMDadoda
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#82
4-Chlorotoluene
Concen: 55.247 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	19.1	57.5





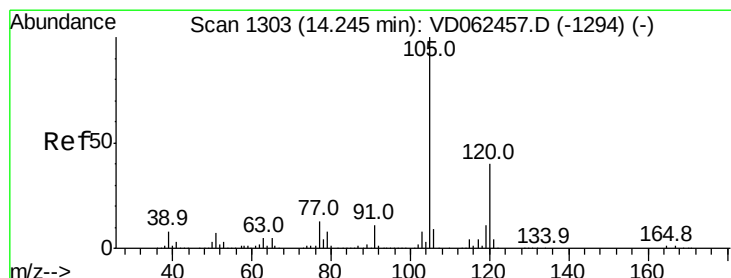
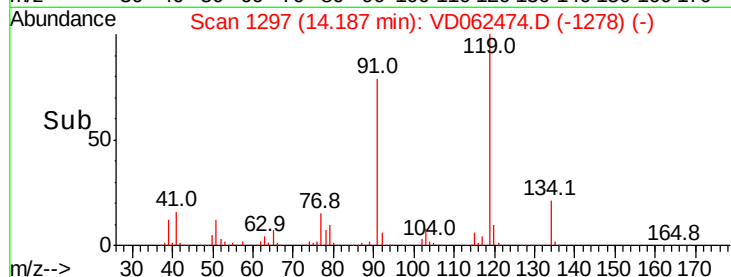
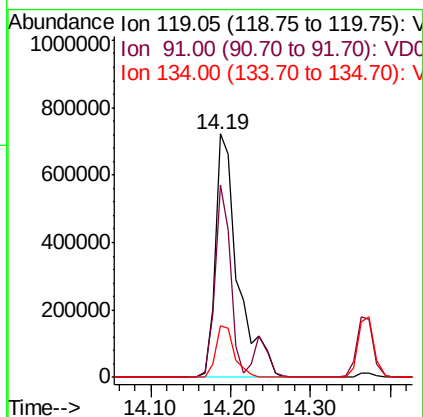
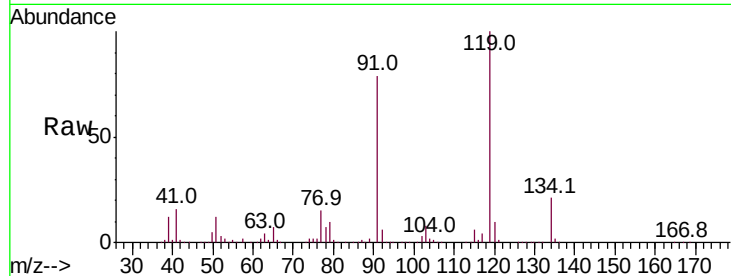
#83
 tert-Butylbenzene
 Concen: 52.815 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1441465
 Ion Ratio Lower Upper
 119 100
 91 79.0 34.2 102.6
 134 21.3 12.0 36.0

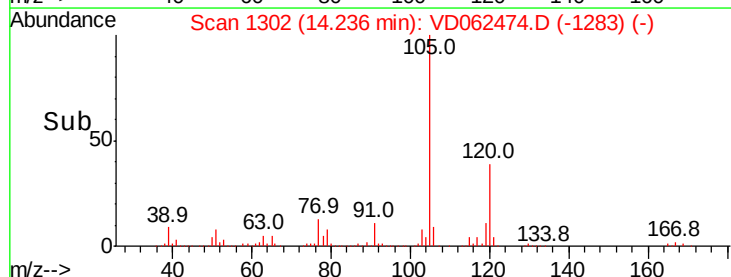
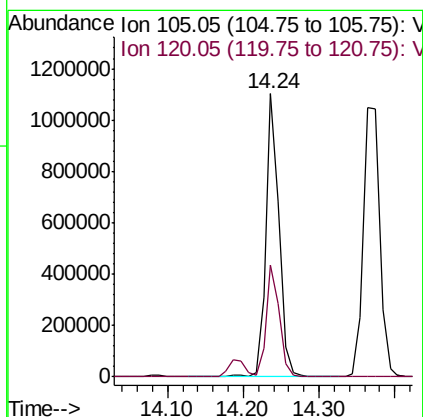
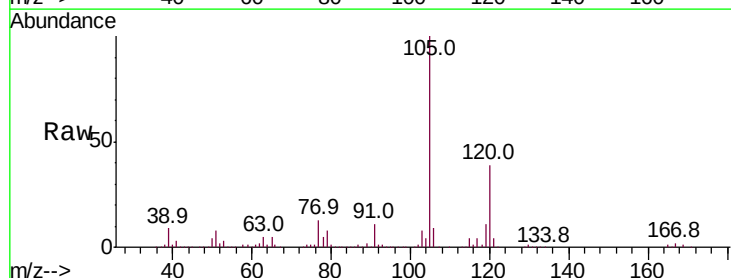
Manual Integrations
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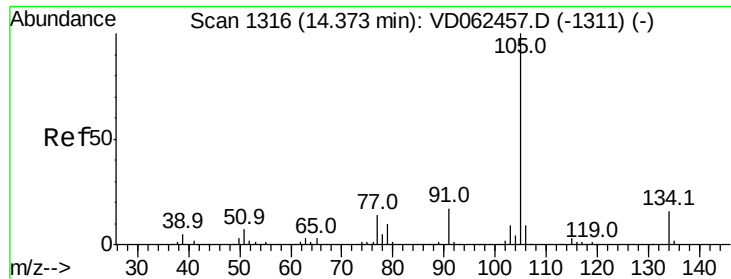
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.149 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion:105 Resp: 1340010
 Ion Ratio Lower Upper
 105 100
 120 39.4 23.1 69.2





#85

sec-Butylbenzene

Concen: 54.493 ug/l

RT: 14.36 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1550793

Ion Ratio Lower Upper

105 100

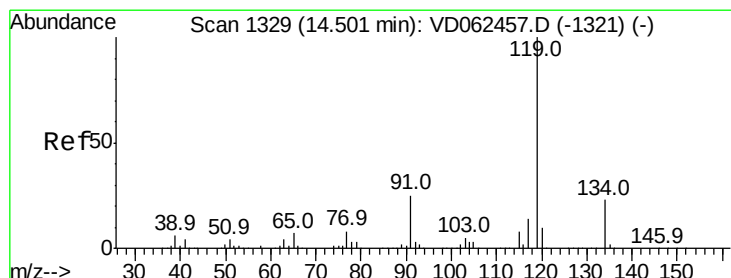
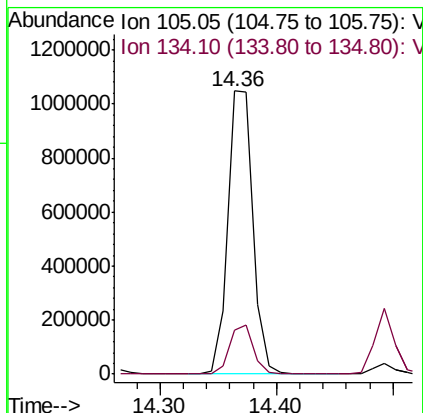
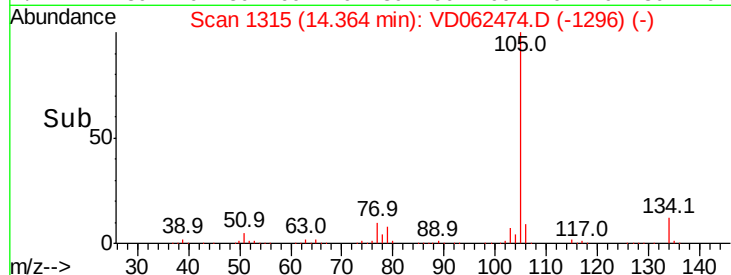
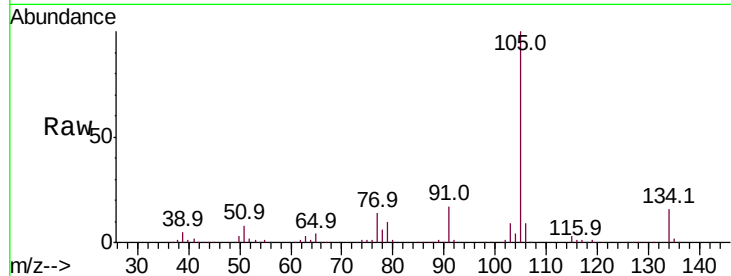
134 15.6 8.9 26.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.204 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

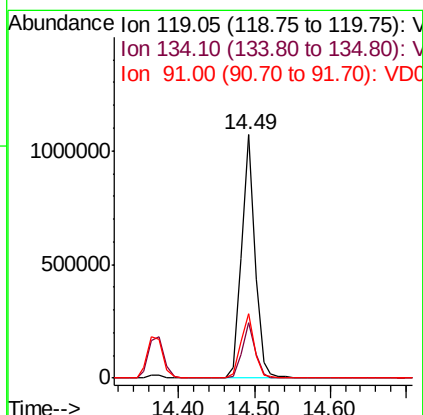
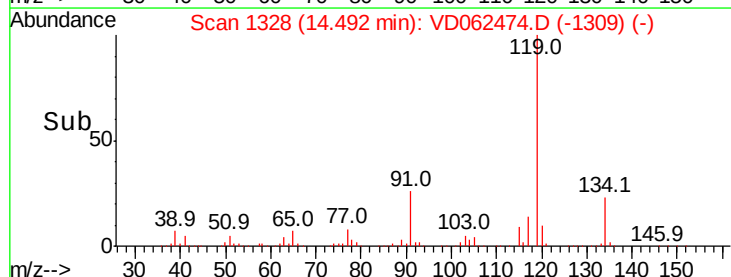
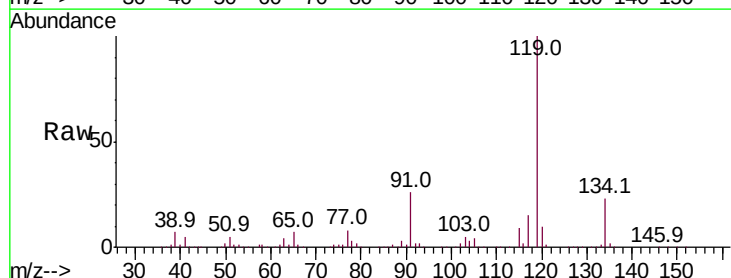
Tgt Ion:119 Resp: 1294761

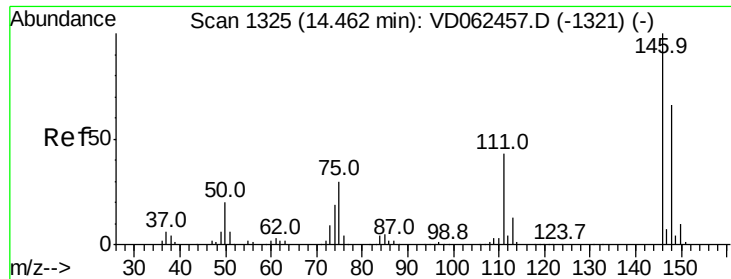
Ion Ratio Lower Upper

119 100

134 22.7 12.8 38.3

91 26.3 10.7 32.1





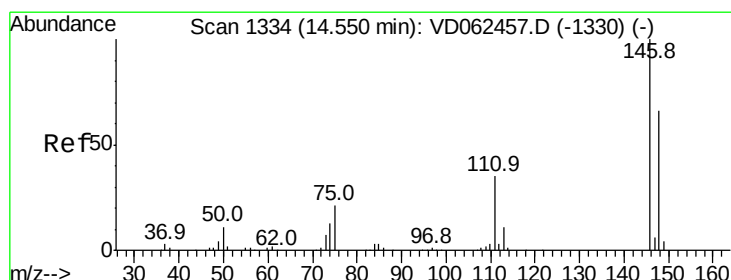
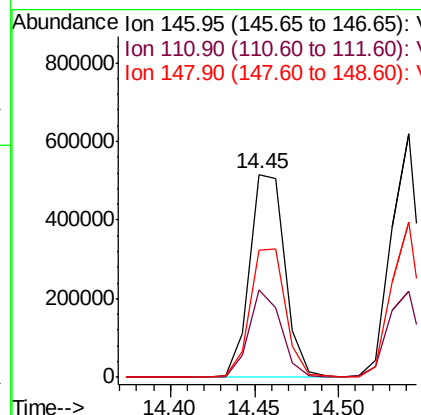
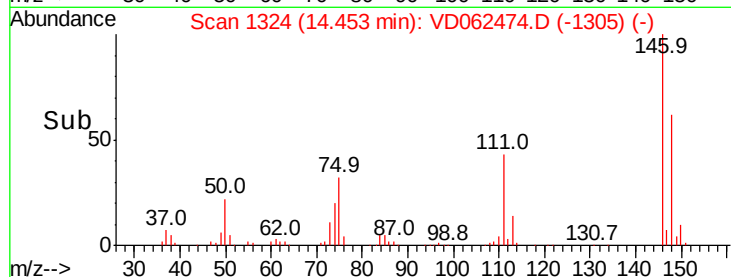
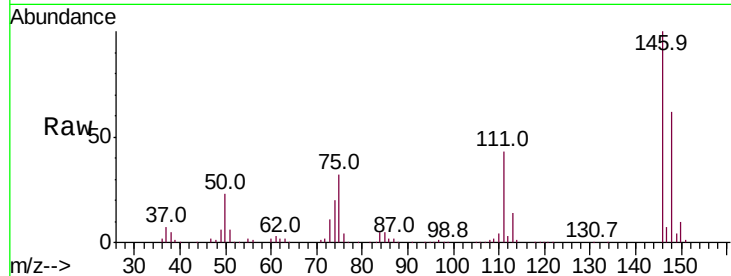
#87
 1,3-Dichlorobenzene
 Concen: 53.060 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.0	60.0
148	62.4	31.8	95.4

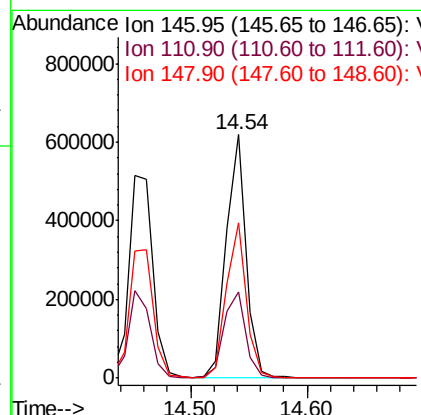
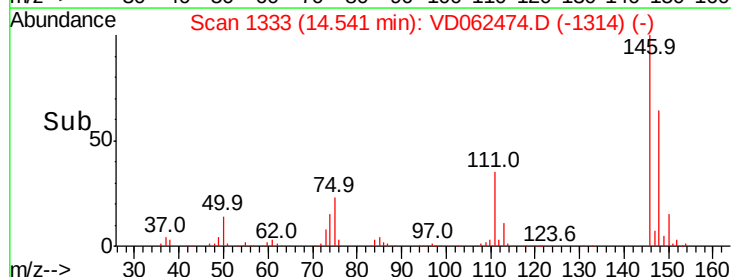
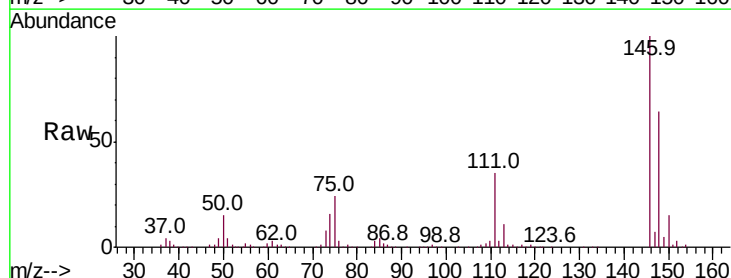
Manual Integrations
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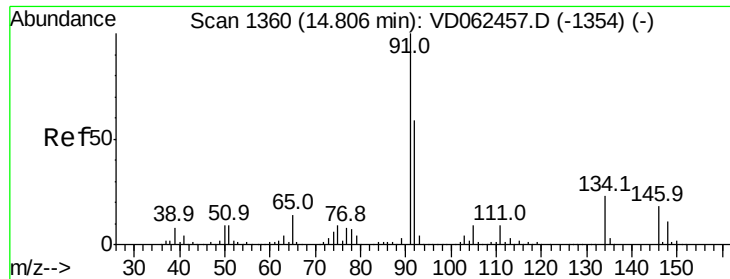
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#88
 1,4-Dichlorobenzene
 Concen: 53.536 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	20.2	60.5
148	63.6	32.0	96.2





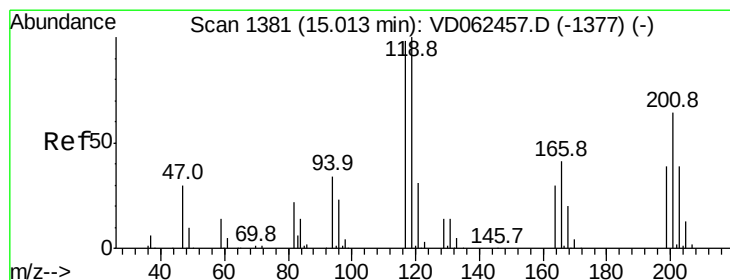
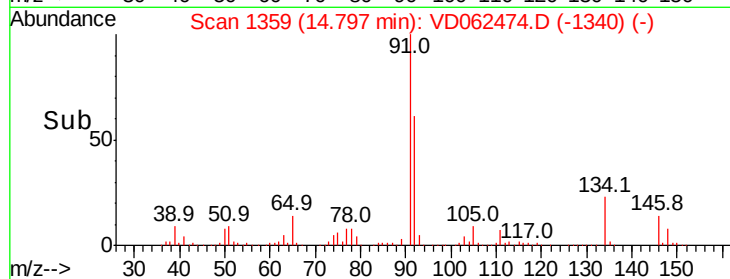
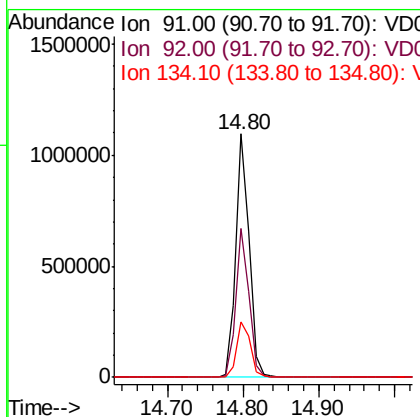
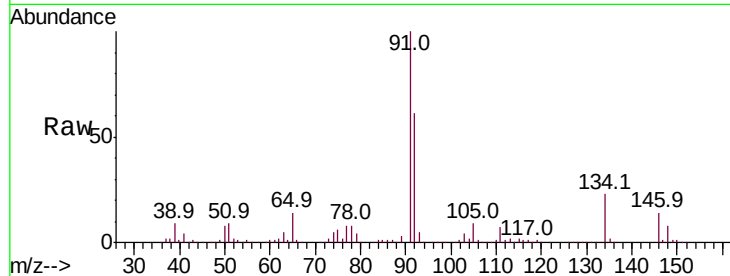
#89
n-Butylbenzene
Concen: 52.573 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.0	30.3	91.0
134	22.9	14.5	43.6

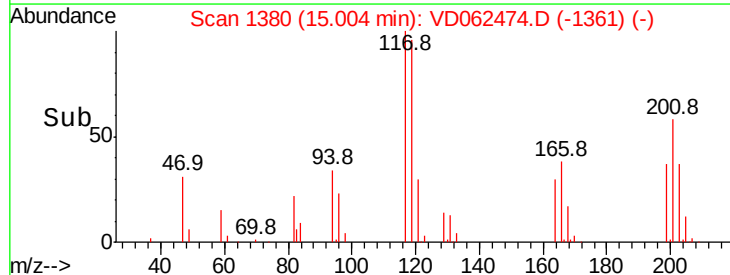
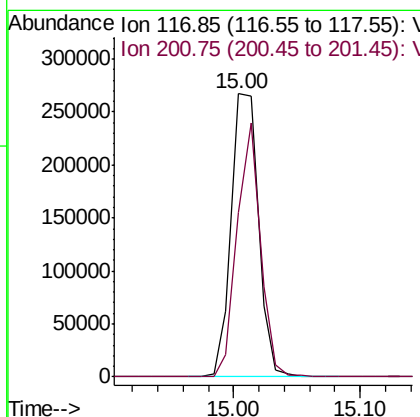
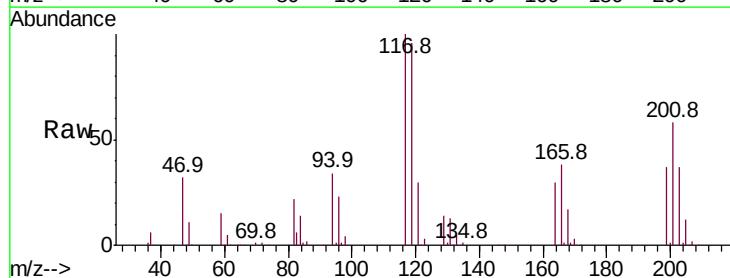
Manual Integrations
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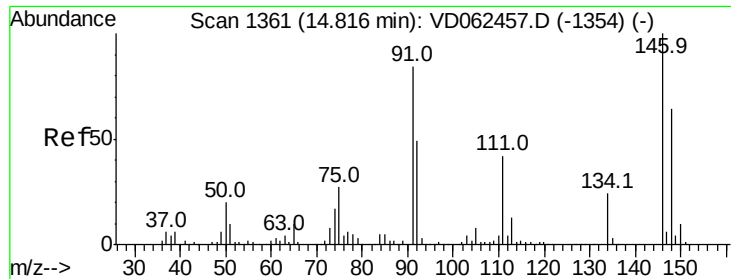
MMDadoda
5/22/2019 12:40:22 PM



#90
Hexachloroethane
Concen: 56.009 ug/l
RT: 15.00 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD062474.D
Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	58.2	30.2	90.6





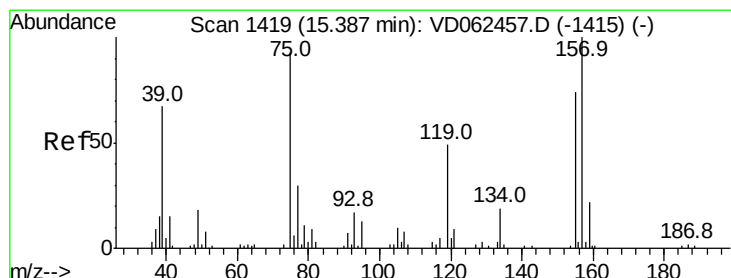
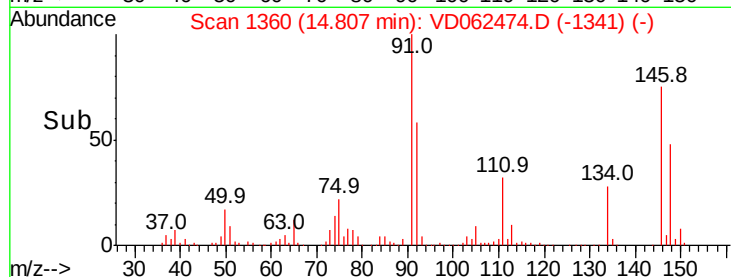
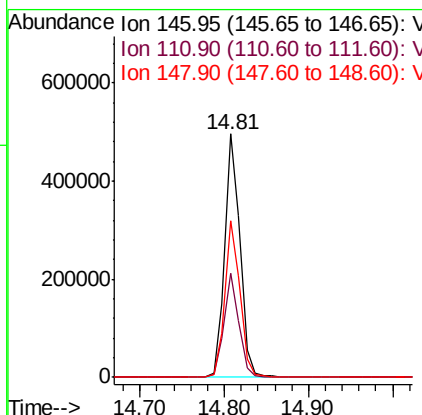
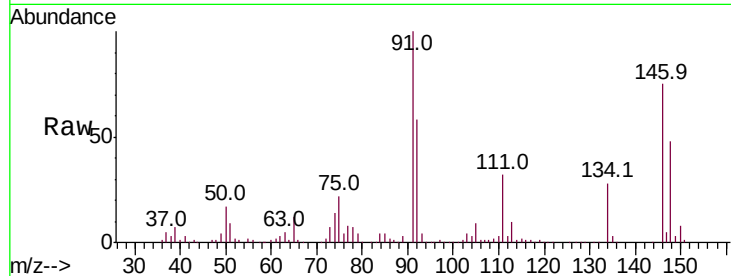
#91
 1,2-Dichlorobenzene
 Concen: 51.573 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	624291
Ion Ratio	Lower	Upper	
146	100		
111	42.6	20.0	59.9
148	64.2	32.3	96.8

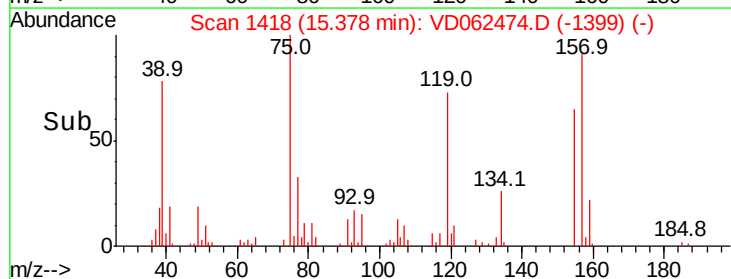
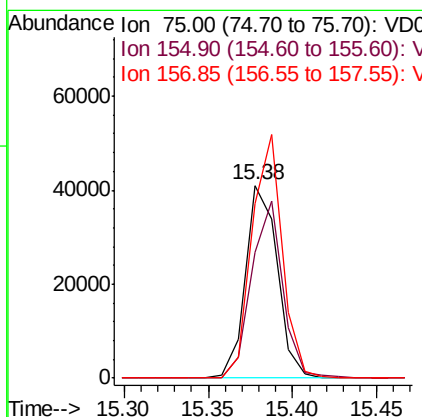
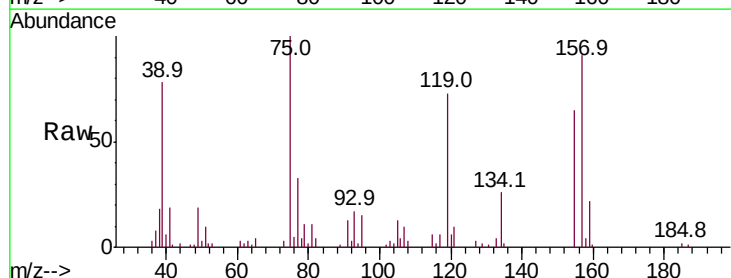
Manual Integrations
 APPROVED

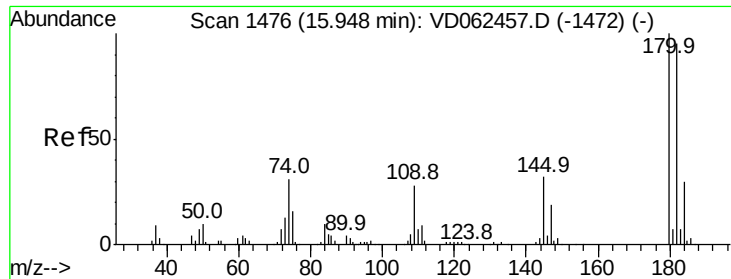
MMDadoda
 5/22/2019 12:40:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.903 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion:	75	Resp:	53427
Ion Ratio	Lower	Upper	
75	100		
155	65.0	55.3	165.8
157	90.5	67.8	203.2





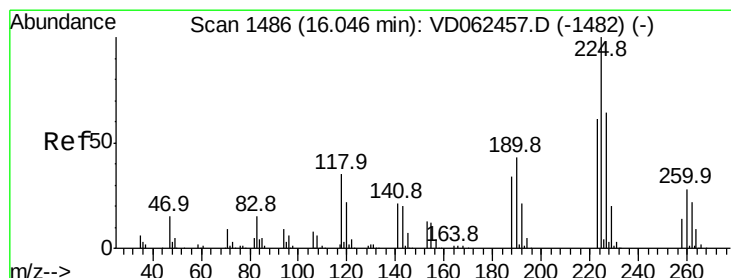
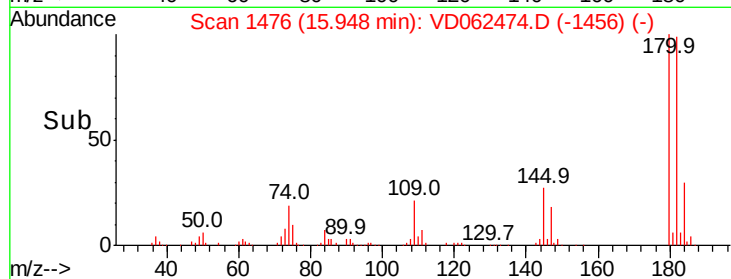
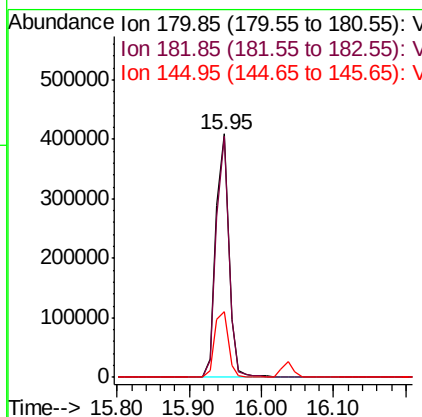
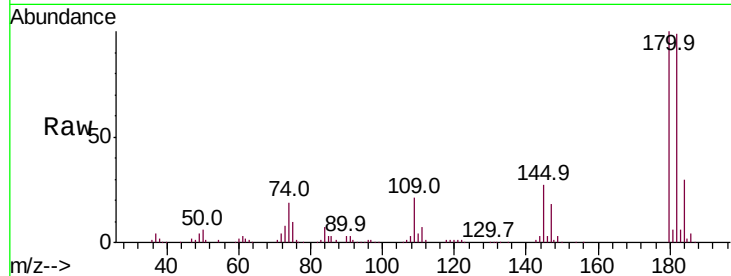
#93
 1,2,4-Trichlorobenzene
 Concen: 53.549 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	510403		
182	98.8	49.3	147.8	
145	26.7	16.2	48.6	

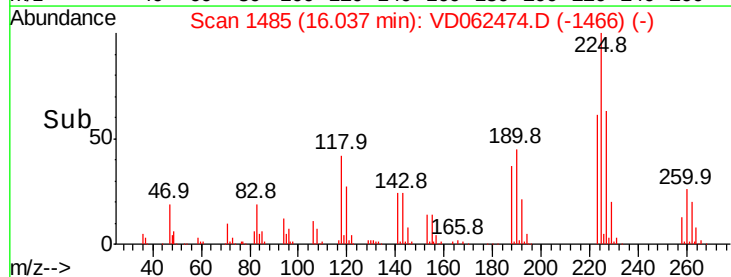
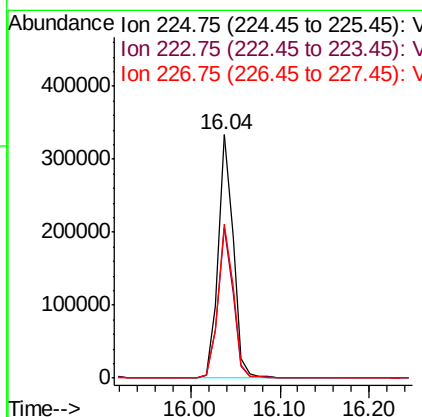
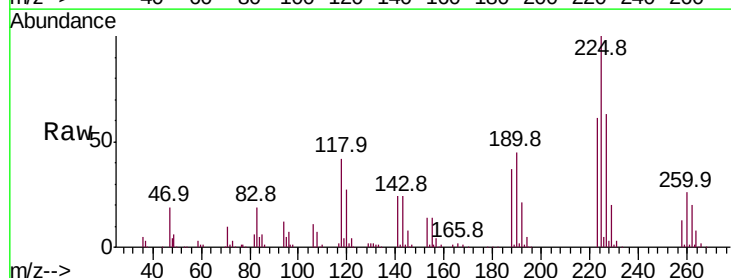
Manual Integrations
 APPROVED

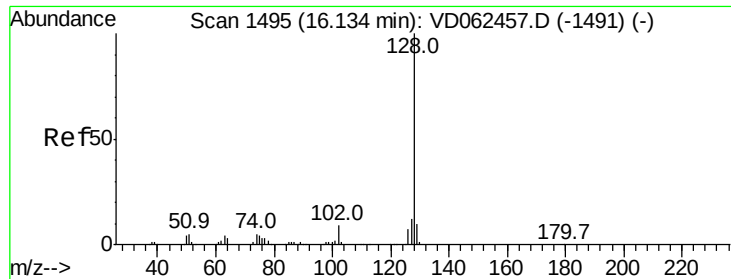
MMDadoda
 5/22/2019 12:40:22 PM



#94
 Hexachlorobutadiene
 Concen: 56.532 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD062474.D
 Acq: 21 May 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	397863		
223	61.5	30.6	92.0	
227	63.3	32.0	96.2	





#95

Naphthalene

Concen: 57.229 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Instrument :

MSVOA_D

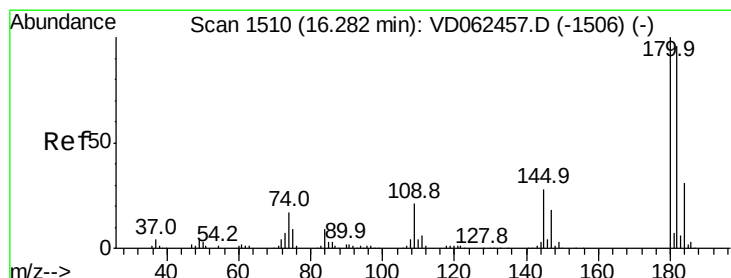
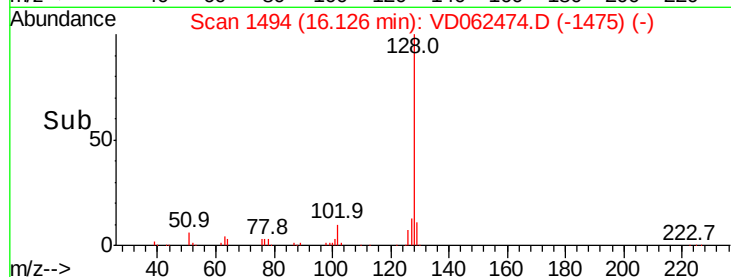
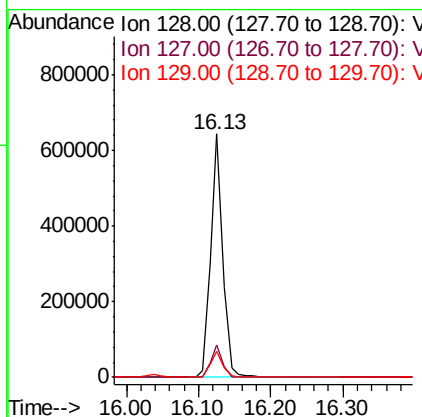
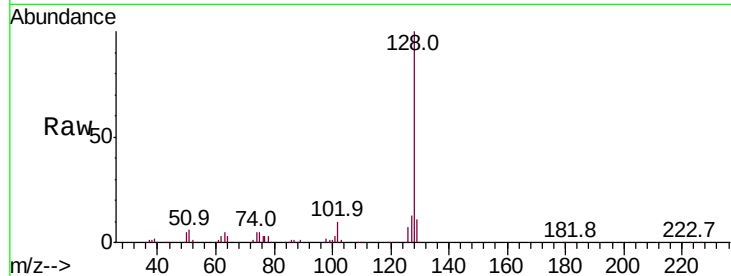
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	745340
Ion Ratio	Lower	Upper	
128	100		
127	13.1	9.8	14.8
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/22/2019 12:40:22 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.286 ug/l

RT: 16.27 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD062474.D

Acq: 21 May 2019 11:49

Tgt Ion:	180	Resp:	400736
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.0	141.0
145	29.0	17.0	51.0

