

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062742.D
 Acq On : 18 Jun 2019 11:35
 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
 6/19/2019 3:04:11 PM

Quant Time: Jun 19 08:13:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	698213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	938807	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	803312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	442982	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	514511	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	6.92	113	509363	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.41	98	1115978	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
62) 4-Bromofluorobenzene	13.55	95	495550	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	380701	46.732	ug/l	88
3) Chloromethane	1.74	50	323236	46.788	ug/l	98
4) Vinyl Chloride	1.85	62	329433	46.243	ug/l	98
5) Bromomethane	2.14	94	168272	46.795	ug/l	99
6) Chloroethane	2.26	64	167041	47.493	ug/l #	88
7) Trichlorofluoromethane	2.53	101	785468	49.260	ug/l	100
8) Diethyl Ether	2.87	74	97352	44.889	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.14	101	465862	54.174	ug/l	95
10) Methyl Iodide	3.29	142	552646	44.731	ug/l	96
11) Tert butyl alcohol	4.07	59	103550	250.037	ug/l #	86
12) 1,1-Dichloroethene	3.12	96	334011	54.124	ug/l	94
13) Acrolein	3.03	56	31358	235.392	ug/l	93
14) Allyl chloride	3.61	41	516824	54.466	ug/l	93
15) Acrylonitrile	4.19	53	267526	284.271	ug/l	96
16) Acetone	3.22	43	571448	309.741	ug/l	93
17) Carbon Disulfide	3.36	76	908809	49.974	ug/l	98
18) Methyl Acetate	3.64	43	151108	49.838	ug/l #	93
19) Methyl tert-butyl Ether	4.23	73	814265	54.100	ug/l	98
20) Methylene Chloride	3.81	84	377929	54.255	ug/l #	89
21) trans-1,2-Dichloroethene	4.21	96	353486	52.219	ug/l	98
22) Diisopropyl ether	5.13	45	1040097	52.790	ug/l	89
23) Vinyl Acetate	5.05	43	3521445	288.096	ug/l	100
24) 1,1-Dichloroethane	4.98	63	665254	52.485	ug/l	97
25) 2-Butanone	6.07	43	491297	272.961	ug/l	98
26) 2,2-Dichloropropane	6.01	77	775240	53.069	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	380062	51.791	ug/l	97
28) Bromochloromethane	6.43	49	257547	53.155	ug/l	98
29) Tetrahydrofuran	6.45	42	220026	271.456	ug/l	98
30) Chloroform	6.66	83	846875	52.076	ug/l	92
31) Cyclohexane	6.95	56	426522	53.644	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	853277	52.730	ug/l	98
36) 1,1-Dichloropropene	7.14	75	556042	51.751	ug/l	94
37) Ethyl Acetate	6.18	43	232696	50.774	ug/l #	95
38) Carbon Tetrachloride	7.10	117	889100m	52.353	ug/l	

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Quant Time: Jun 19 08:13:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	451019	51.945	ug/l	90
40) Benzene	7.45	78	1124574	53.594	ug/l	99
41) Methacrylonitrile	6.44	41	294859	52.424	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	637666	50.986	ug/l	94
43) Isopropyl Acetate	9.24	43	326494	57.590	ug/l	97
44) Trichloroethene	8.54	130	446342	52.396	ug/l	96
45) 1,2-Dichloropropane	8.94	63	272134	53.993	ug/l	96
46) Dibromomethane	9.06	93	242215	54.140	ug/l	93
47) Bromodichloromethane	9.38	83	667861	54.877	ug/l	92
48) Methyl methacrylate	9.12	41	208463	50.897	ug/l	90
49) 1,4-Dioxane	9.07	88	40197	1092.899	ug/l	85
51) 4-Methyl-2-Pentanone	10.30	43	1086853	273.978	ug/l	96
52) Toluene	10.51	92	737998	52.323	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	550712	55.192	ug/l	95
54) cis-1,3-Dichloropropene	10.04	75	562725	54.566	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	256006	52.926	ug/l	99
56) Ethyl methacrylate	11.04	69	296529	50.810	ug/l	98
57) 1,3-Dichloropropane	11.41	76	390801	52.127	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	645919	249.845	ug/l	94
59) 2-Hexanone	11.53	43	867848	294.101	ug/l	97
60) Dibromochloromethane	11.68	129	507507	53.151	ug/l	99
61) 1,2-Dibromoethane	11.81	107	321857	55.597	ug/l	100
64) Tetrachloroethene	11.26	164	408126	54.273	ug/l	94
65) Chlorobenzene	12.40	112	973201	54.770	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	440623	51.993	ug/l	96
67) Ethyl Benzene	12.52	91	1645616	52.234	ug/l	99
68) m/p-Xylenes	12.67	106	1117884	100.932	ug/l	99
69) o-Xylene	13.05	106	547013	53.777	ug/l	87
70) Styrene	13.07	104	943924	52.008	ug/l	97
71) Bromoform	13.24	173	331666	50.959	ug/l	100
73) Isopropylbenzene	13.40	105	1712563	54.849	ug/l	98
74) N-amyl acetate	13.27	43	482416	57.169	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	294128	55.053	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	325720	54.229	ug/l	99
77) Bromobenzene	13.67	156	475532	53.285	ug/l	94
78) n-propylbenzene	13.78	91	2048055	53.587	ug/l	95
79) 2-Chlorotoluene	13.84	91	1167032	52.150	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1501388	54.408	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	91858	51.447	ug/l	91
82) 4-Chlorotoluene	13.95	91	1453677	54.319	ug/l	98
83) tert-Butylbenzene	14.19	119	1628212	53.496	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1457652	53.350	ug/l	97
85) sec-Butylbenzene	14.37	105	1774145	55.589	ug/l	100
86) p-Isopropyltoluene	14.49	119	1683658	54.183	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	861408	53.282	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	867885	56.803	ug/l	98
89) n-Butylbenzene	14.80	91	1548378	55.389	ug/l	95
90) Hexachloroethane	15.01	117	473942	57.774	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	752123	55.966	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	66976	58.690	ug/l #	51

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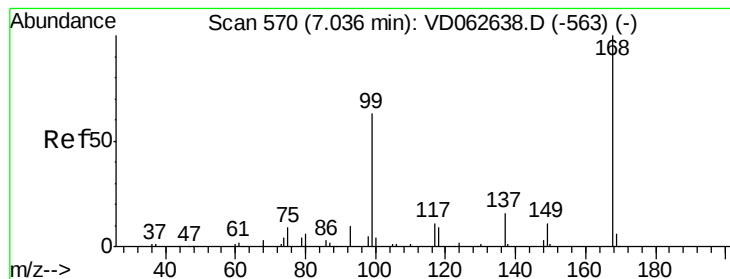
Manual Integrations
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6/19/2019 3:04:11 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	542056	47.722	ug/l	98
94) Hexachlorobutadiene	16.03	225	432734	54.538	ug/l	98
95) Naphthalene	16.12	128	827039	51.353	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	436433	56.381	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 698213

Ion Ratio Lower Upper

168 100

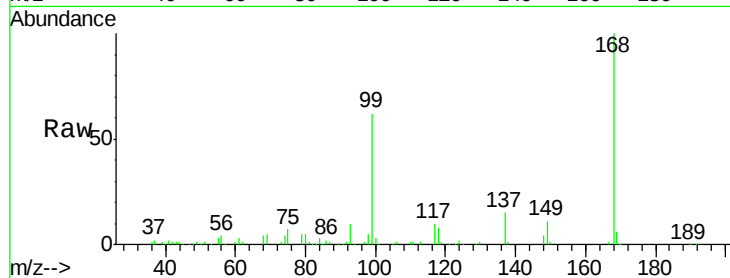
99 62.1 51.4 77.2

Manual Integrations

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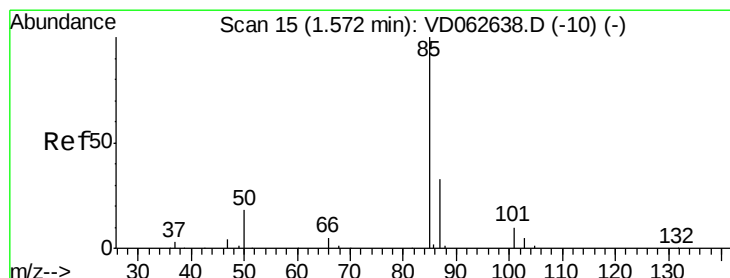
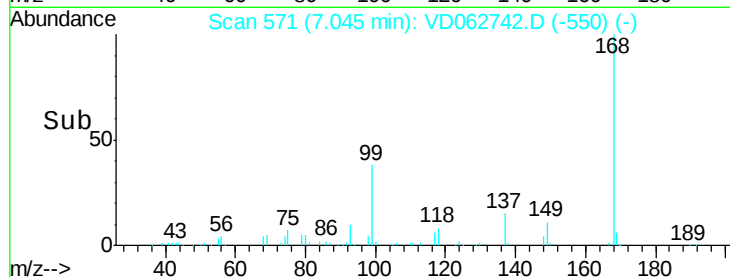
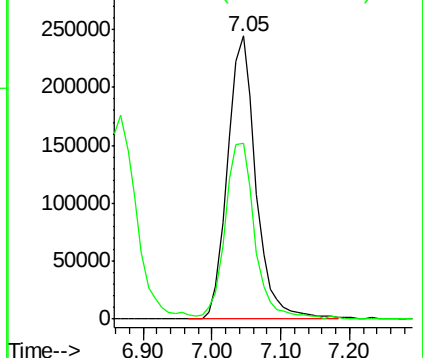
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 46.732 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062742.D

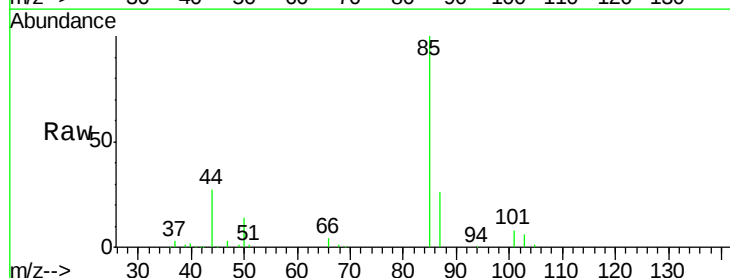
Acq: 18 Jun 2019 11:35

Tgt Ion: 85 Resp: 380701

Ion Ratio Lower Upper

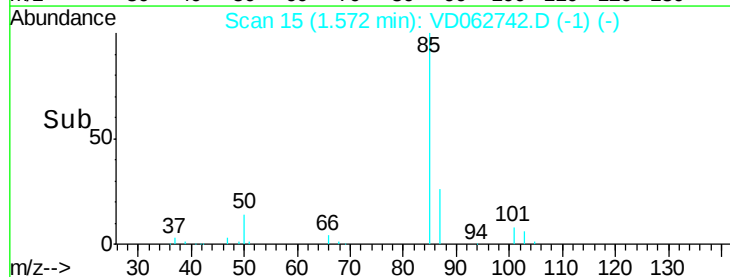
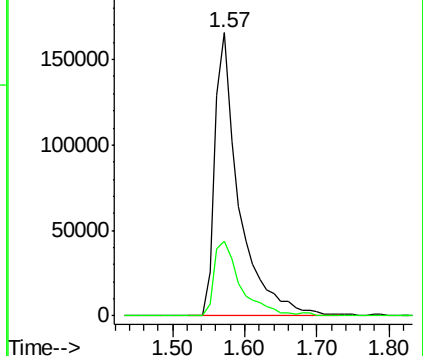
85 100

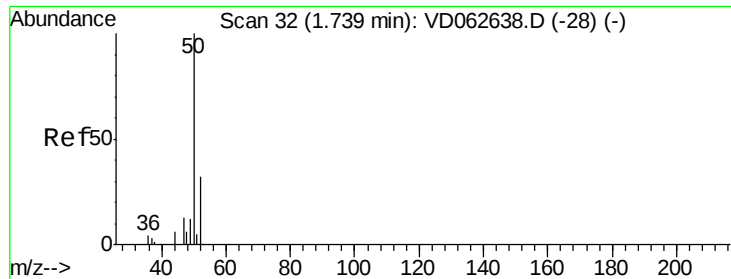
87 26.2 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.788 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 323236

Ion Ratio Lower Upper

50 100

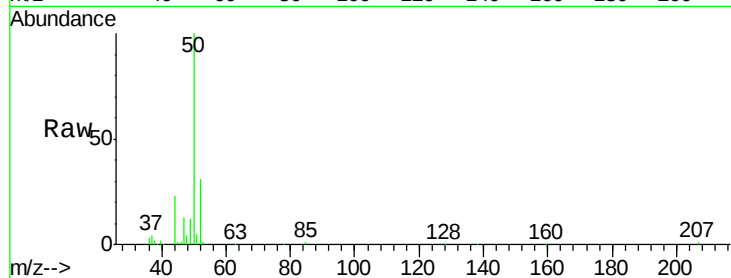
52 31.2 25.8 38.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

120000

100000

80000

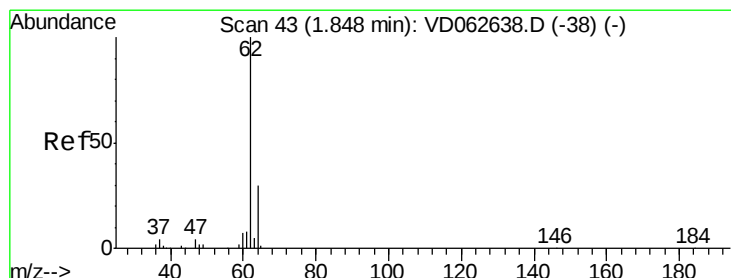
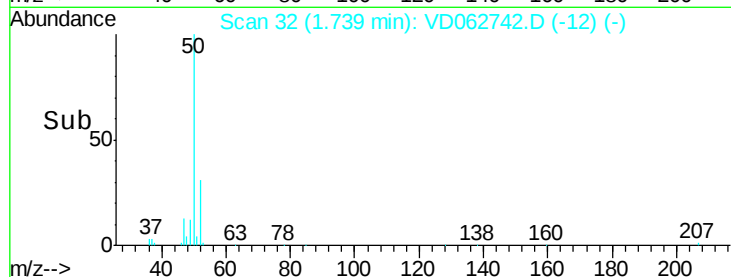
60000

40000

20000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 46.243 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062742.D

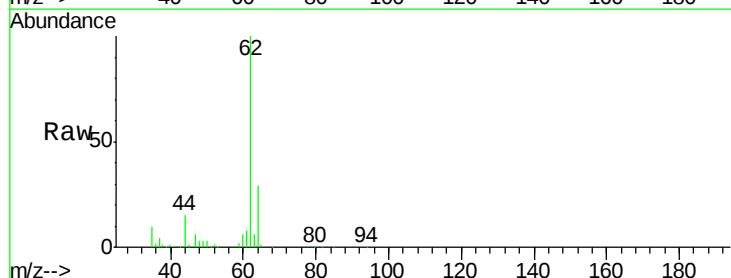
Acq: 18 Jun 2019 11:35

Tgt Ion: 62 Resp: 329433

Ion Ratio Lower Upper

62 100

64 29.4 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

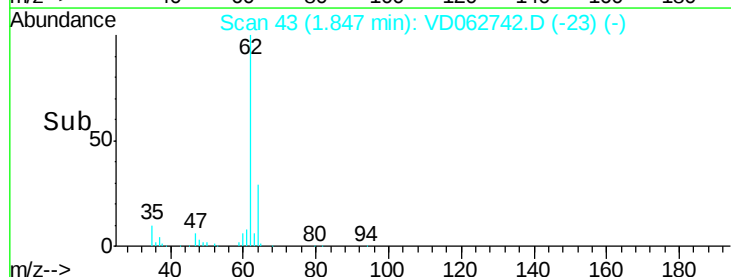
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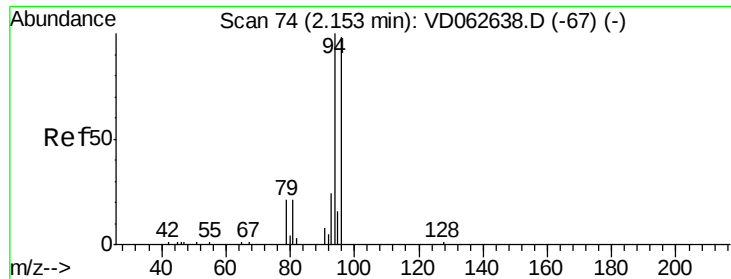
100000

50000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 46.795 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

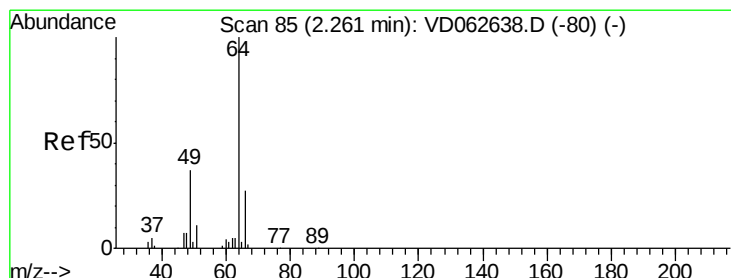
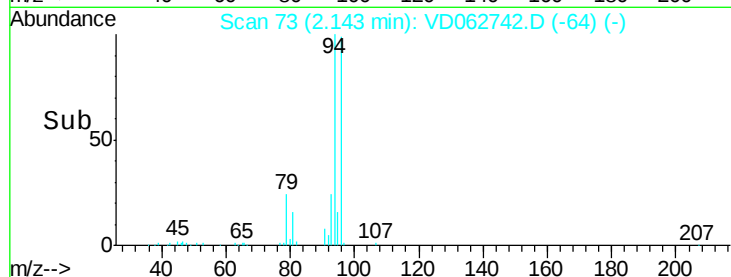
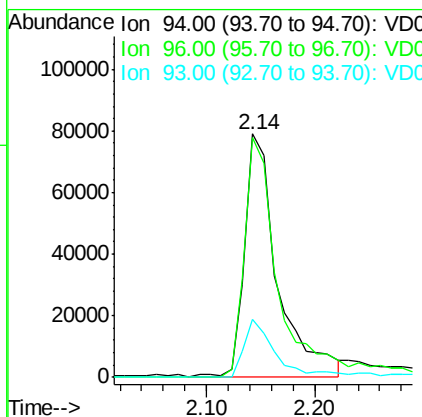
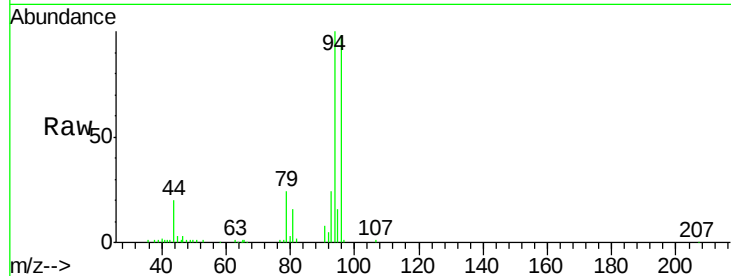
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	168272
Ion	Ratio	Lower	Upper
94	100		
96	98.3	78.1	117.1
93	23.8	19.6	29.4

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#6

Chloroethane

Concen: 47.493 ug/l

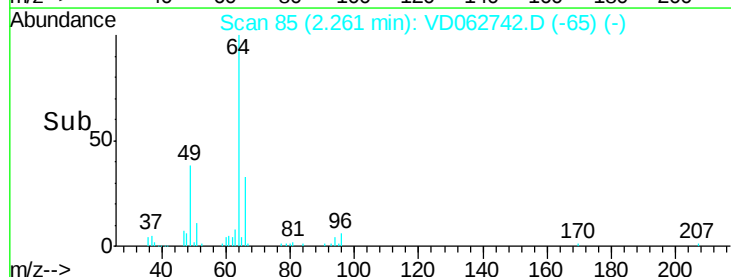
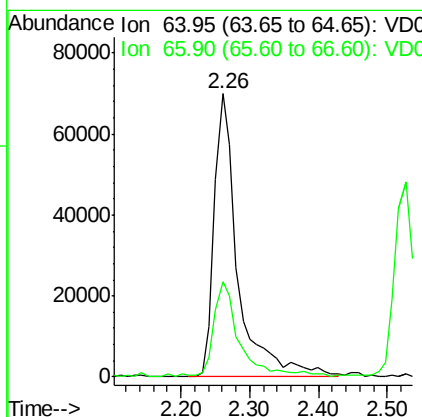
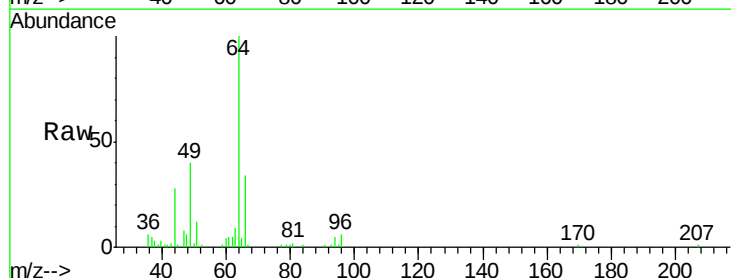
RT: 2.26 min Scan# 85

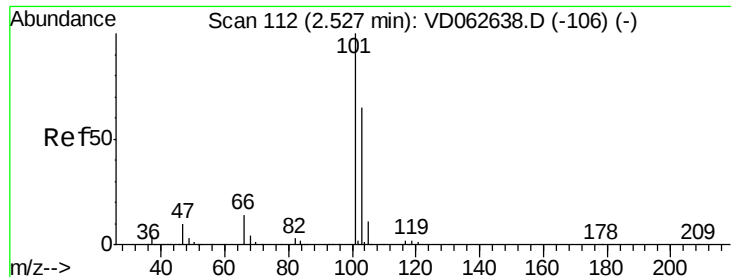
Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Tgt Ion:	64	Resp:	167041
Ion	Ratio	Lower	Upper
64	100		
66	33.9	21.9	32.9#





#7

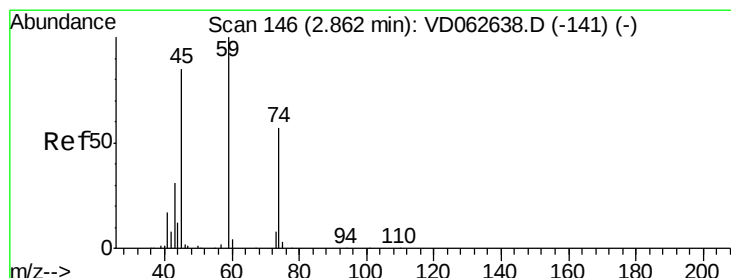
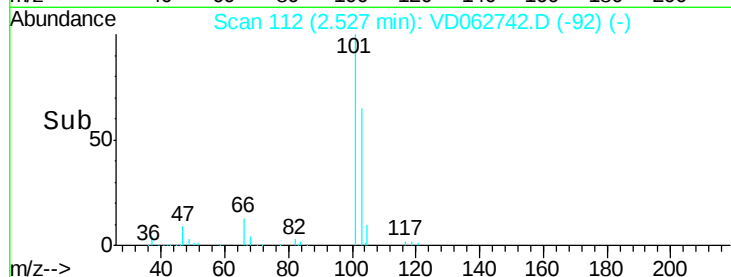
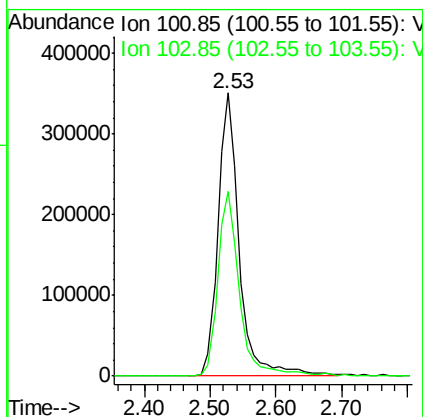
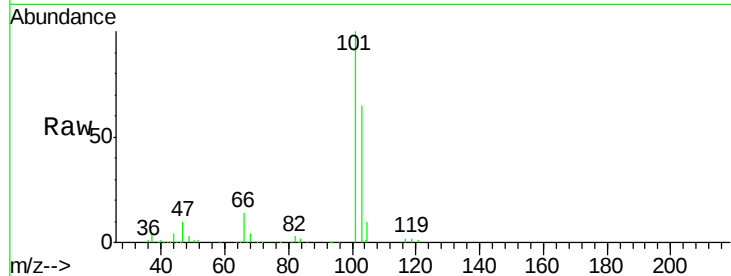
Trichlorofluoromethane
Concen: 49.260 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.2

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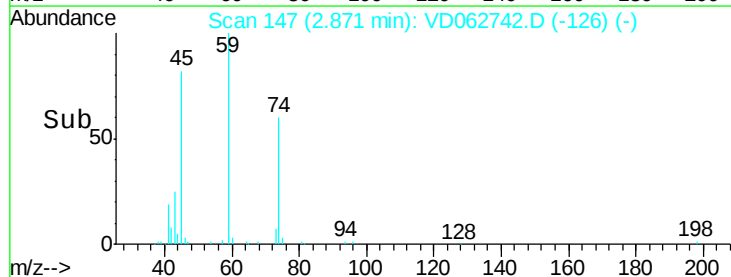
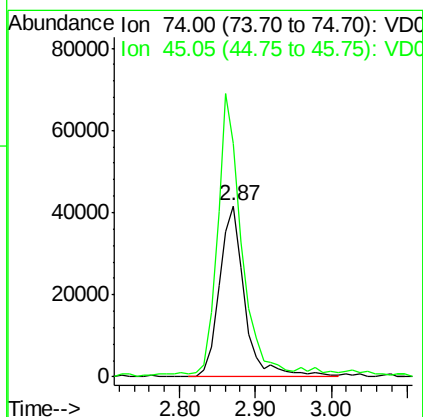
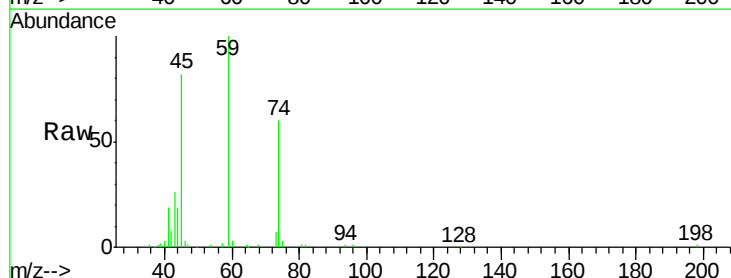
MMDadoda
6/19/2019 3:04:11 PM

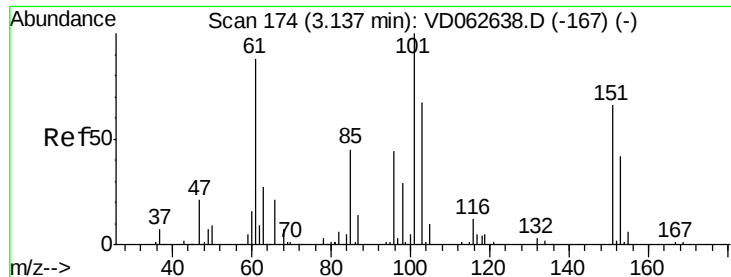


#8

Diethyl Ether
Concen: 44.889 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	136.2	74.9	224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.174 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

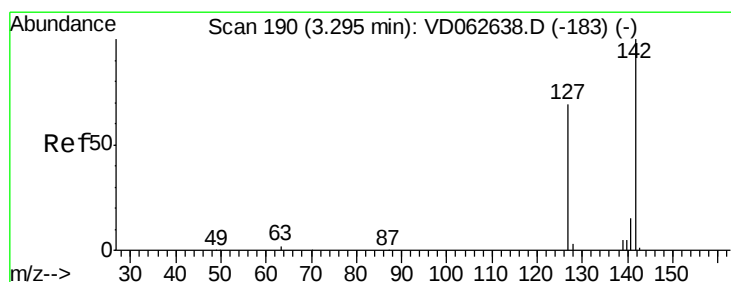
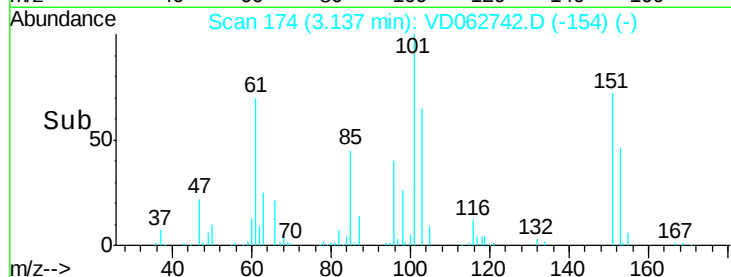
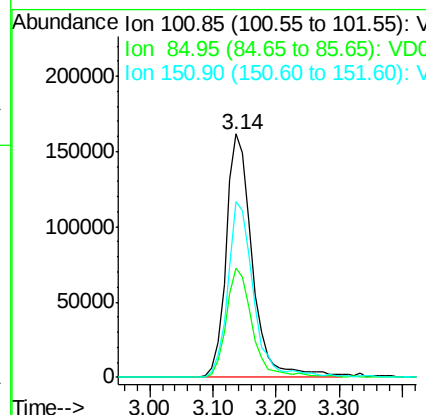
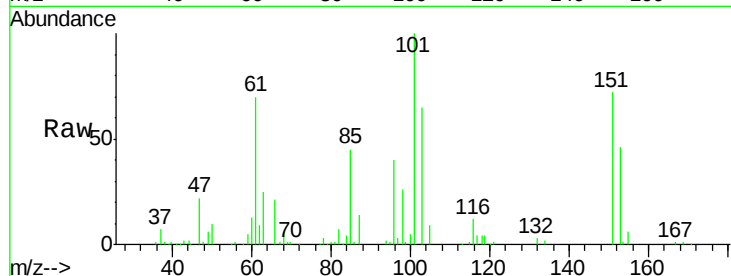
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	465862
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.0	54.0
151	72.3	52.6	79.0

Manual Integrations
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#10

Methyl Iodide

Concen: 44.731 ug/l

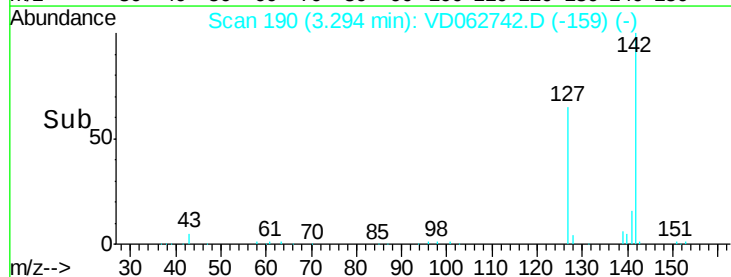
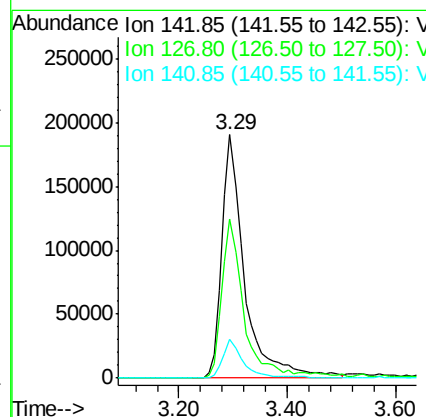
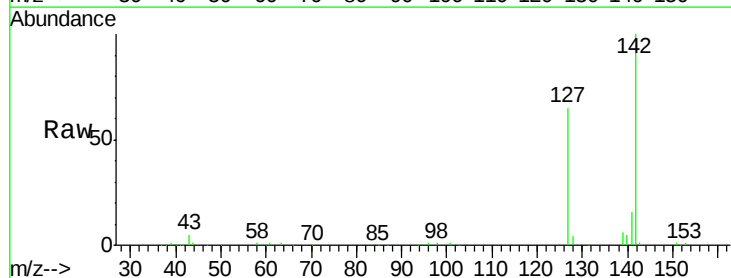
RT: 3.29 min Scan# 190

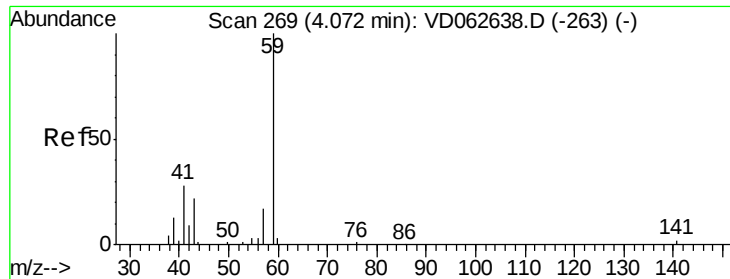
Delta R.T. 0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Tgt Ion:	142	Resp:	552646
Ion Ratio	Lower	Upper	
142	100		
127	65.4	55.2	82.8
141	15.9	12.1	18.1





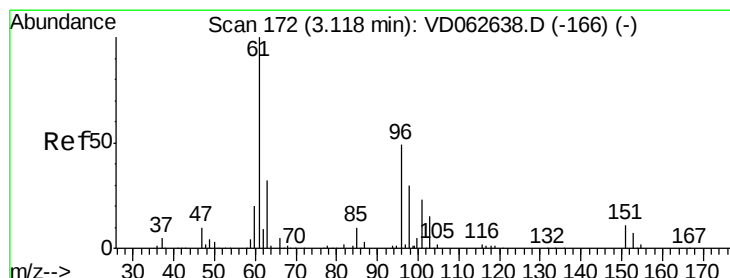
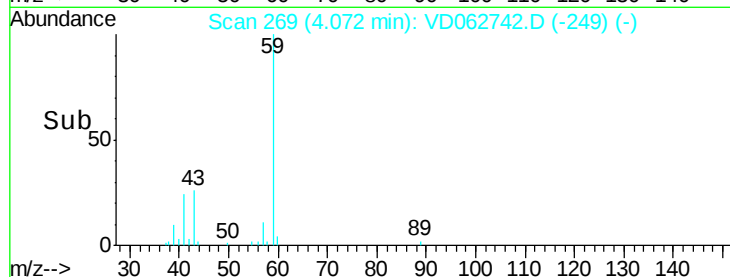
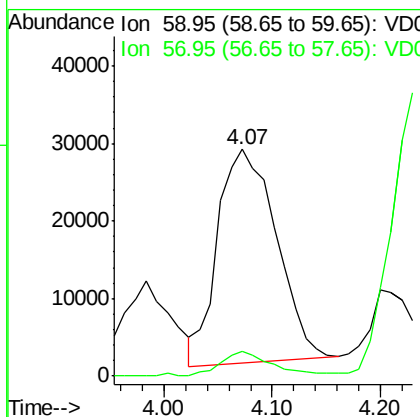
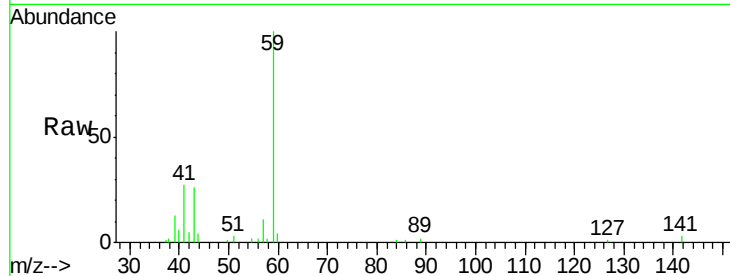
#11
Tert butyl alcohol
Concen: 250.037 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 103550
Ion Ratio Lower Upper
59 100
57 11.1 13.7 20.5#

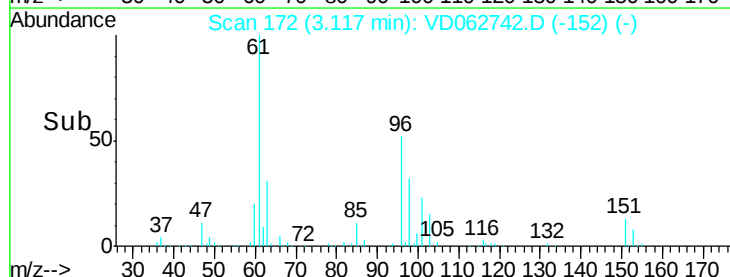
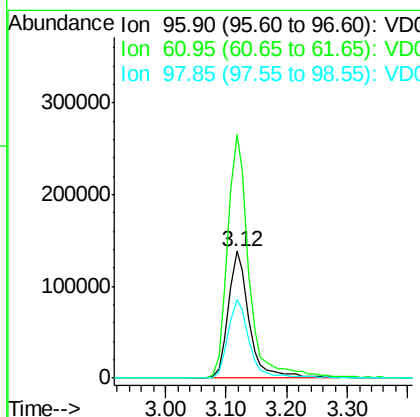
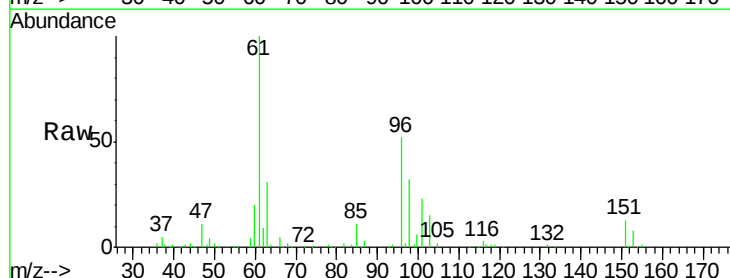
Manual Integrations
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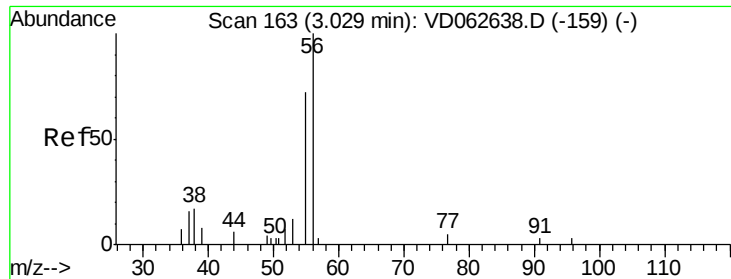
MMDadoda
6/19/2019 3:04:11 PM



#12
1,1-Dichloroethene
Concen: 54.124 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion: 96 Resp: 334011
Ion Ratio Lower Upper
96 100
61 192.3 161.8 242.8
98 61.8 48.2 72.4





#13

Acrolein

Concen: 235.392 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 31358

Ion Ratio Lower Upper

56 100

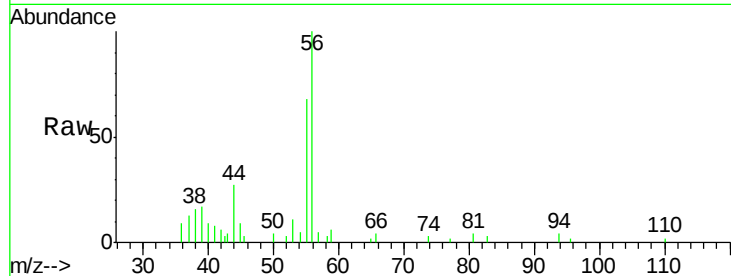
55 68.3 59.4 89.0

Manual Integrations

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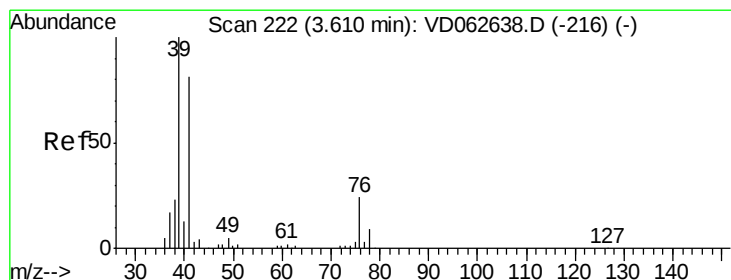
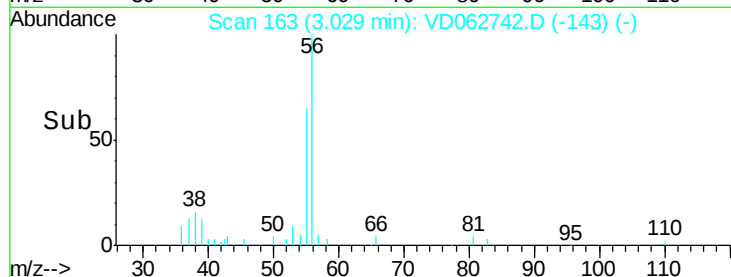
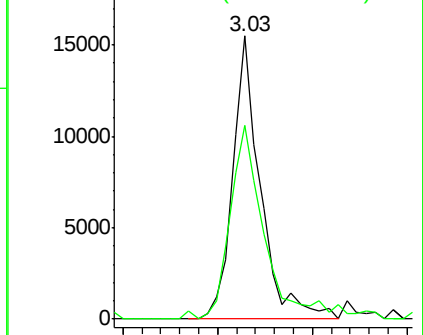
MMDadoda

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 54.466 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

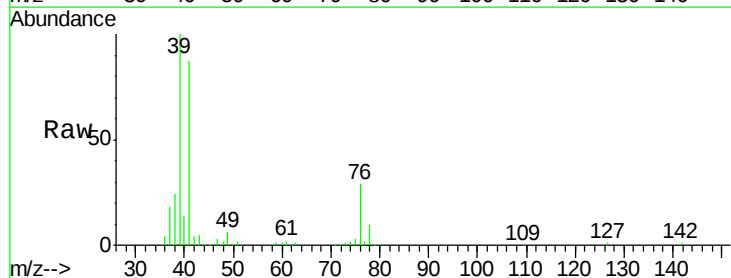
Tgt Ion: 41 Resp: 516824

Ion Ratio Lower Upper

41 100

39 115.3 99.1 148.7

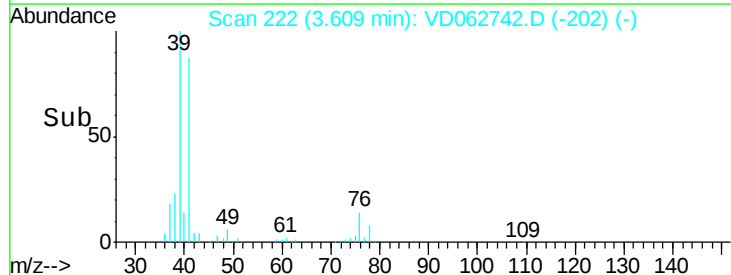
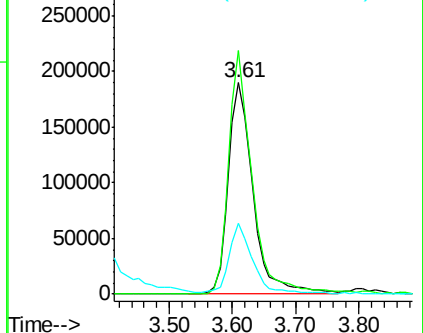
76 33.4 25.0 37.6

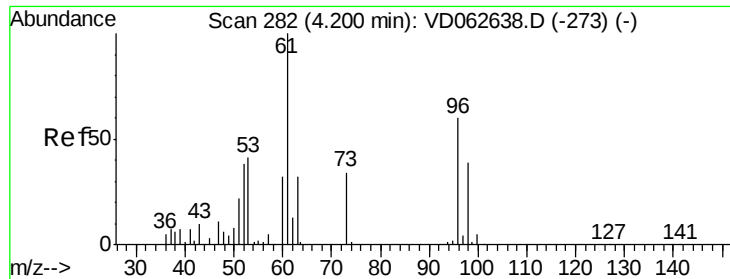


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 284.271 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

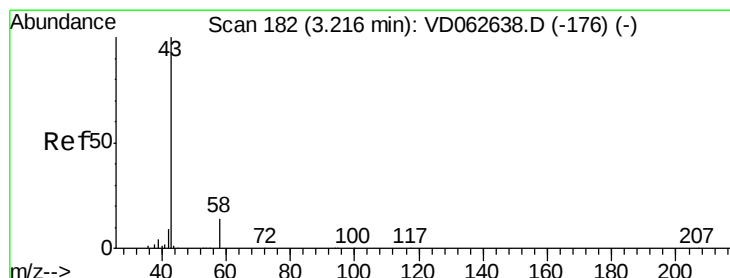
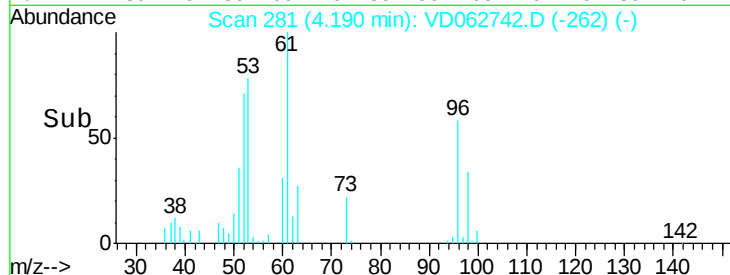
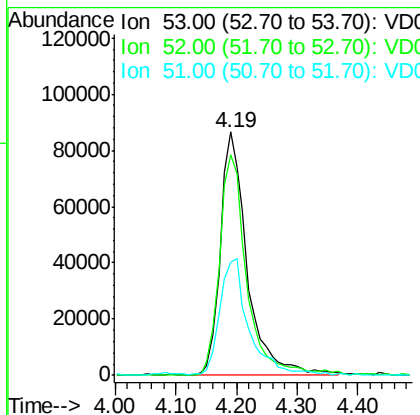
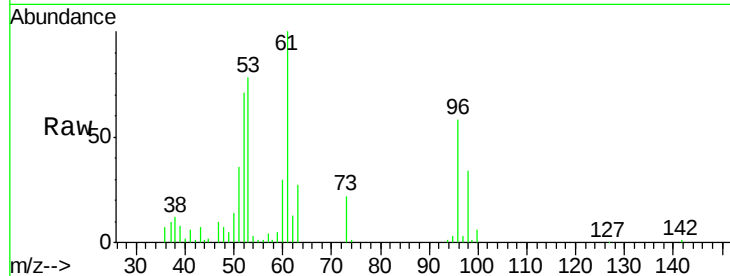
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	267526
Ion Ratio	Lower	Upper	
53	100		
52	90.8	73.6	110.4
51	46.5	42.0	63.0

Manual Integrations
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#16

Acetone

Concen: 309.741 ug/l

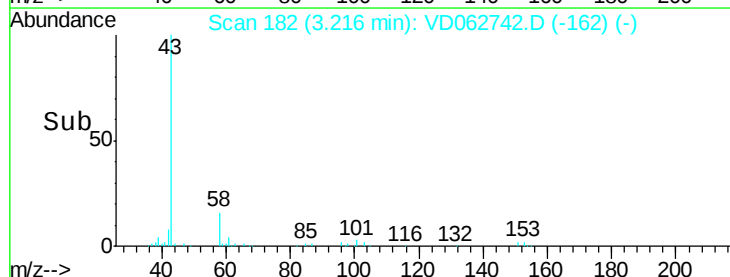
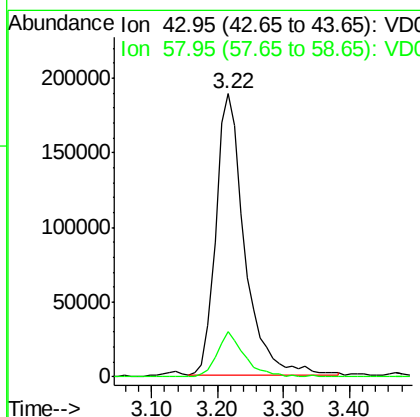
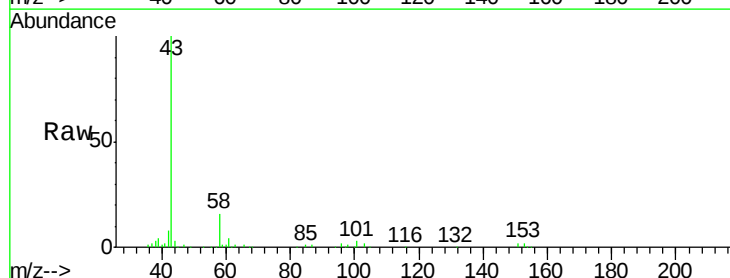
RT: 3.22 min Scan# 182

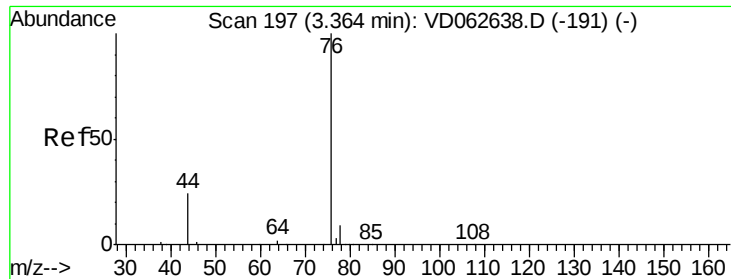
Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Tgt Ion:	43	Resp:	571448
Ion Ratio	Lower	Upper	
43	100		
58	16.2	10.8	16.2





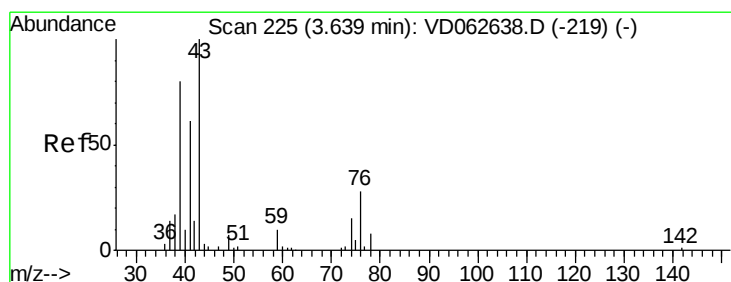
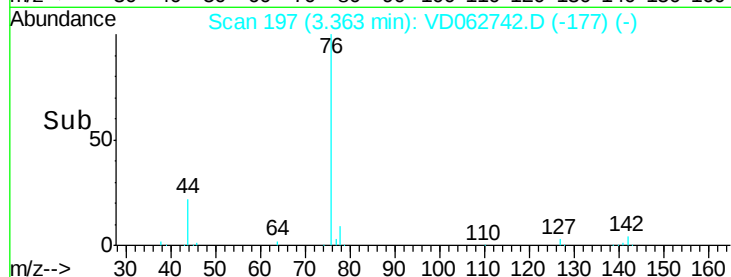
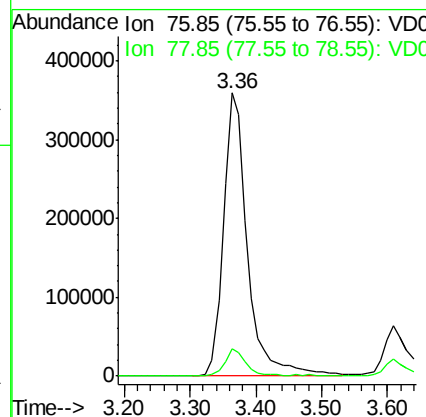
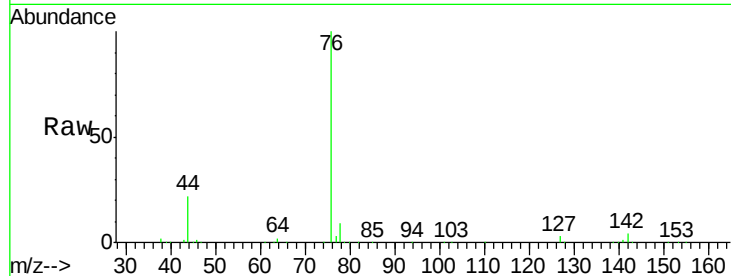
#17
Carbon Disulfide
Concen: 49.974 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 908809
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.4

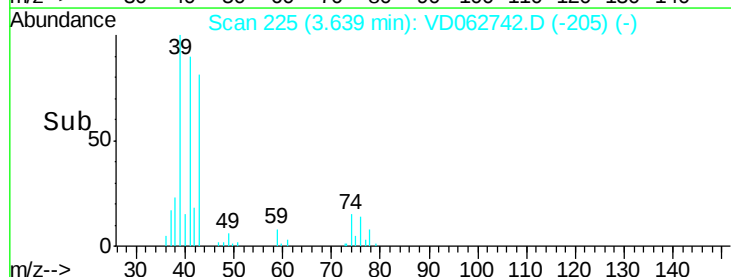
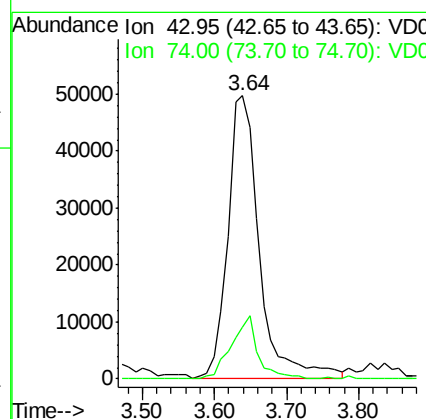
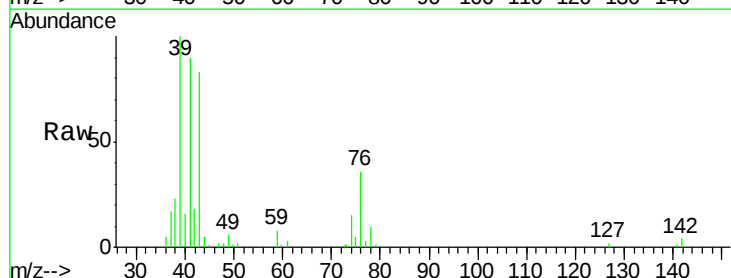
Manual Integrations
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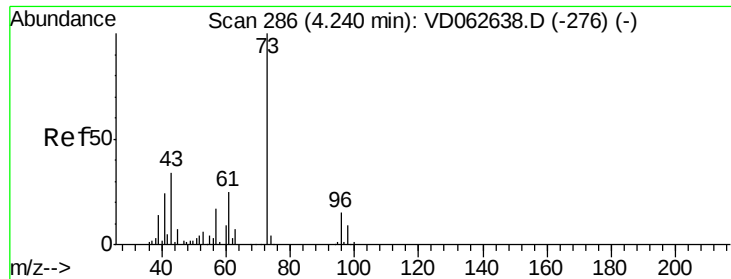
MMDadoda
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#18
Methyl Acetate
Concen: 49.838 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion: 43 Resp: 151108
Ion Ratio Lower Upper
43 100
74 18.2 12.1 18.1#





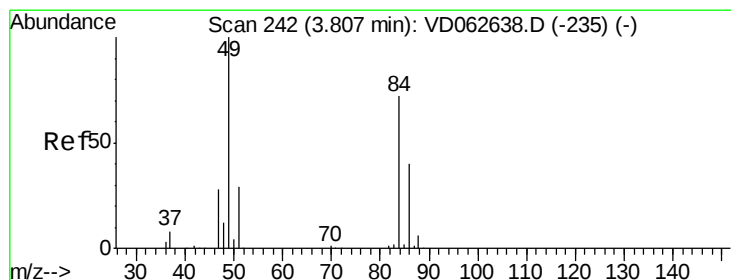
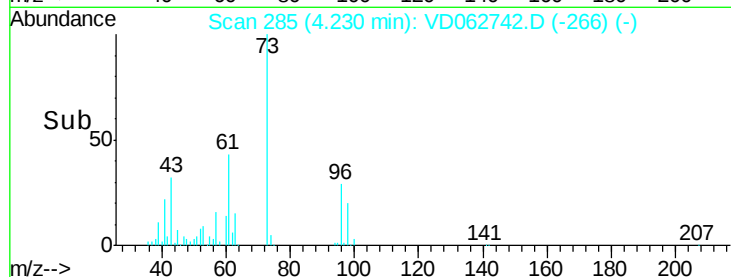
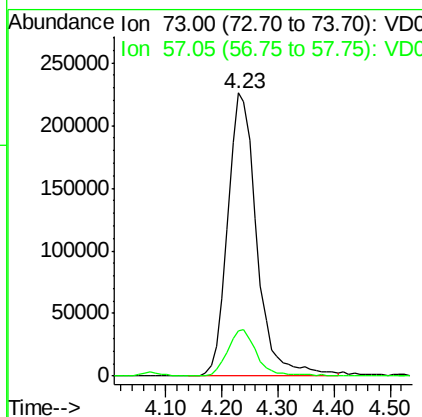
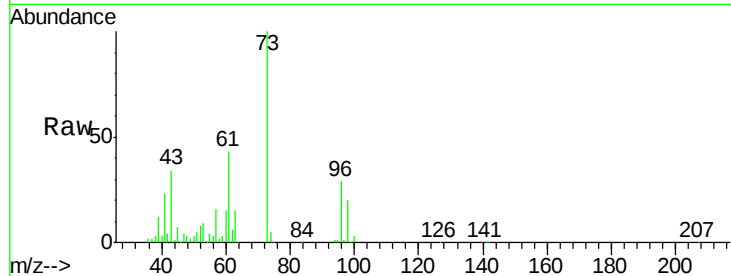
#19
Methyl tert-butyl Ether
Concen: 54.100 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 814265
Ion Ratio Lower Upper
73 100
57 16.2 13.5 20.3

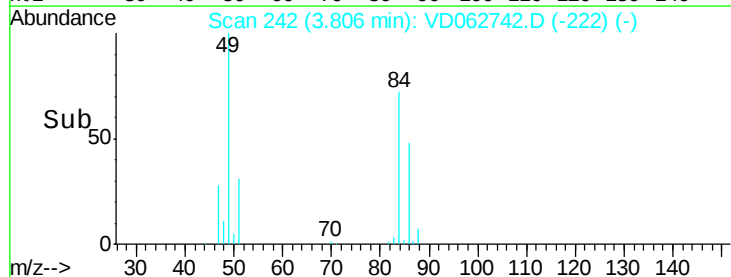
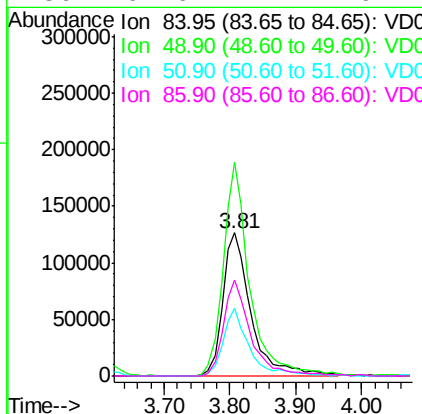
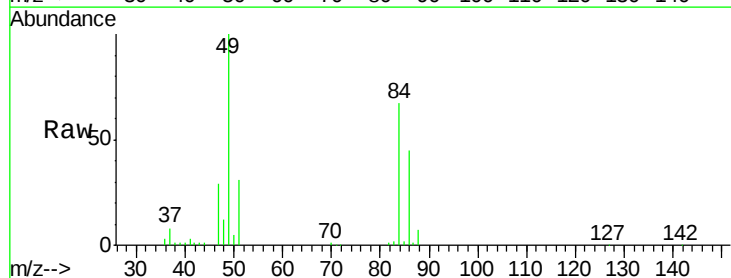
Manual Integrations
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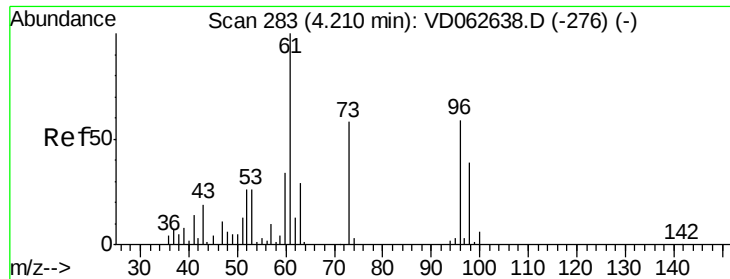
MMDadoda
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#20
Methylene Chloride
Concen: 54.255 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion: 84 Resp: 377929
Ion Ratio Lower Upper
84 100
49 149.6 111.2 166.8
51 47.1 31.9 47.9
86 67.6 44.7 67.1#





#21

trans-1,2-Dichloroethene

Concen: 52.219 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 353486

Ion Ratio Lower Upper

96 100

61 166.2 134.6 201.8

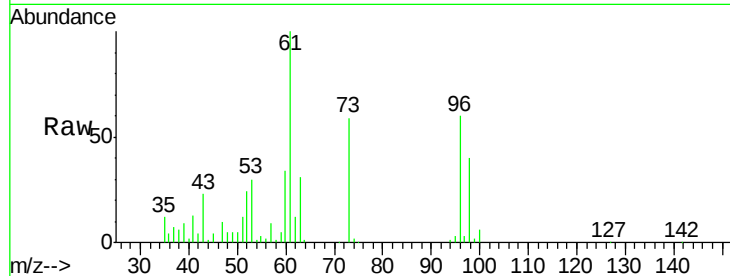
98 67.1 51.8 77.8

Manual Integrations

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MMDadoda

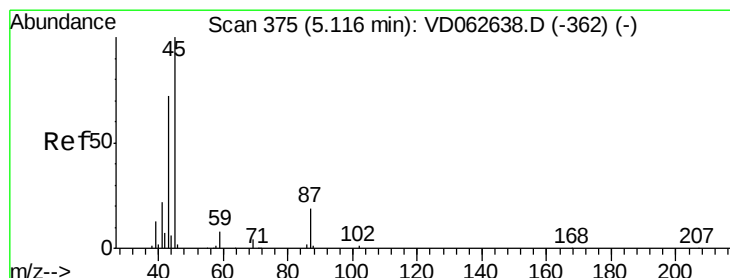
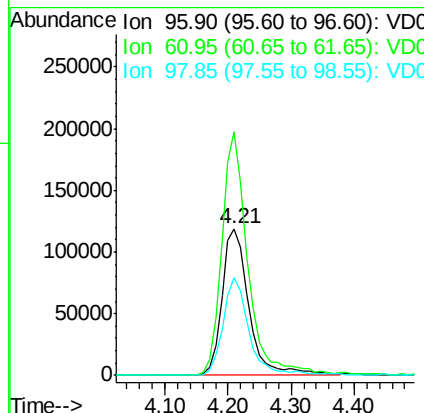
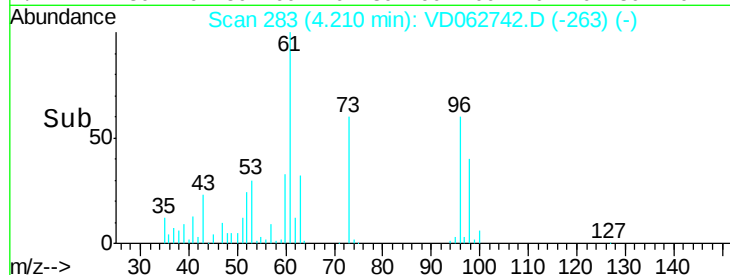
6/19/2019 3:04:11 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 52.790 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Tgt Ion: 45 Resp: 1040097

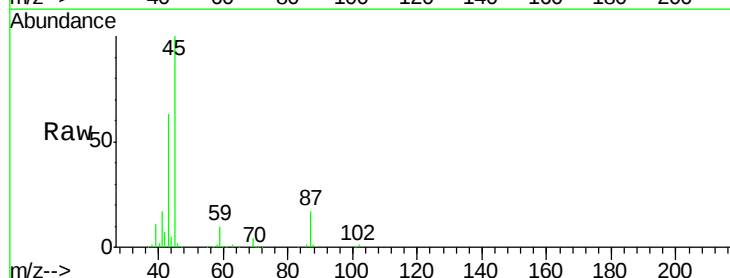
Ion Ratio Lower Upper

45 100

43 62.7 58.8 88.2

87 17.5 15.7 23.5

59 9.8 6.6 9.8

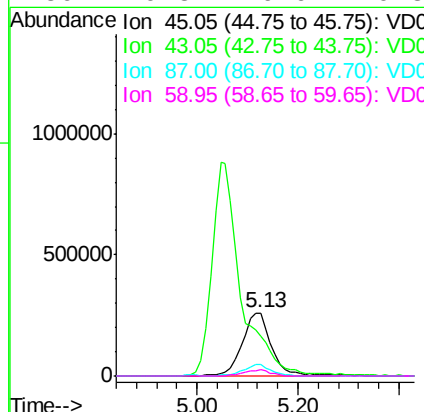
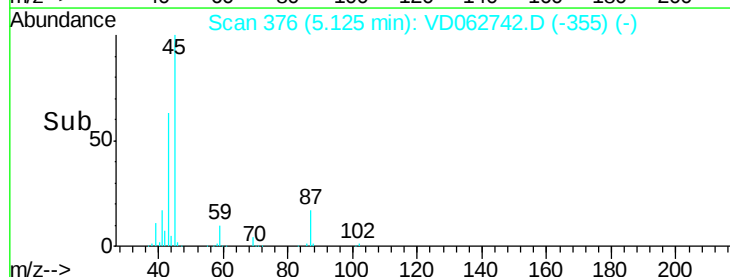


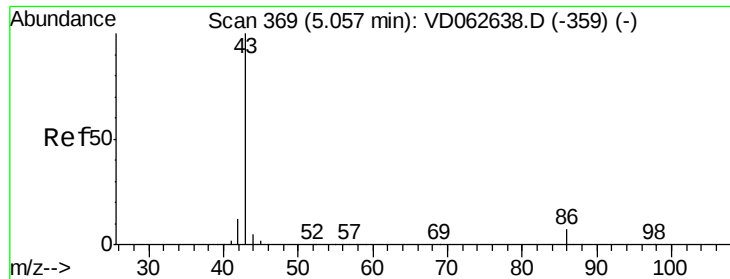
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 288.096 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3521445

Ion Ratio Lower Upper

43 100

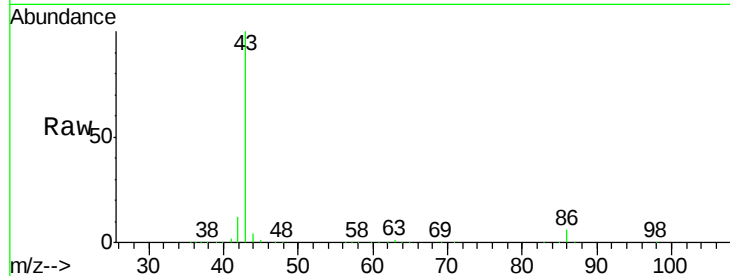
86 6.5 5.3 7.9

Manual Integrations

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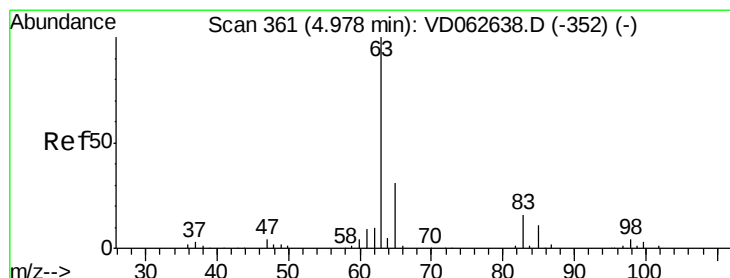
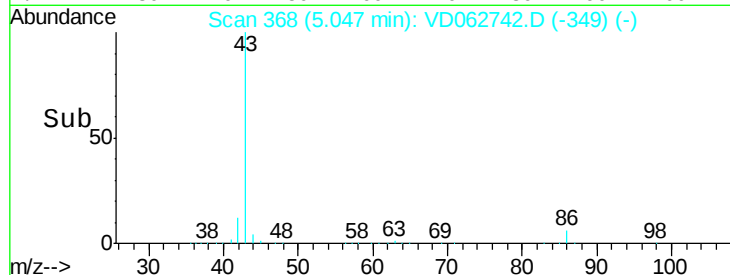
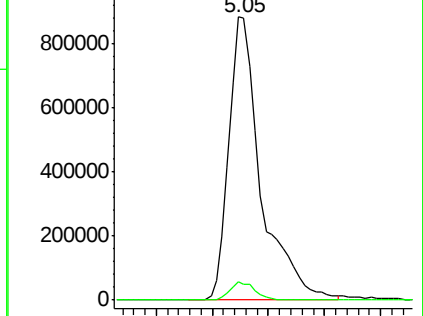
MMDadoda

6/19/2019 3:04:11 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.485 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

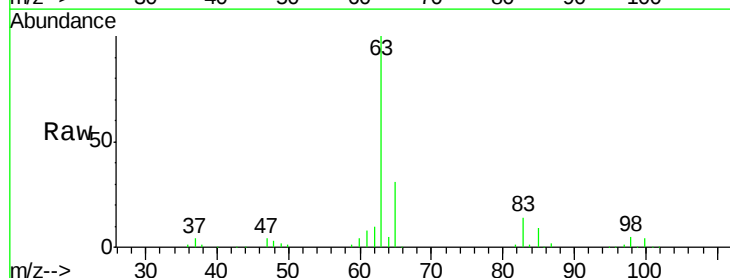
Tgt Ion: 63 Resp: 665254

Ion Ratio Lower Upper

63 100

98 5.0 1.8 5.4

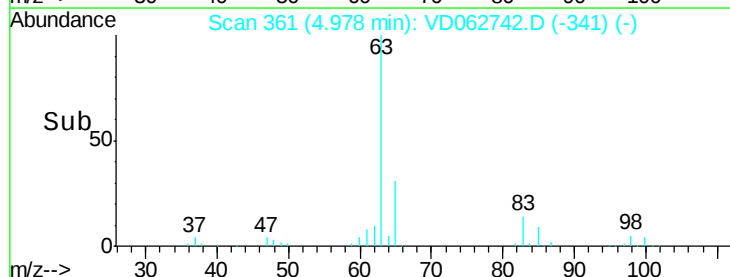
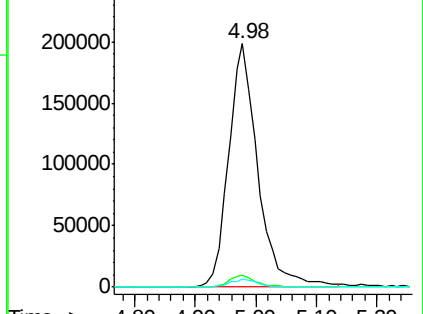
100 3.6 1.5 4.4

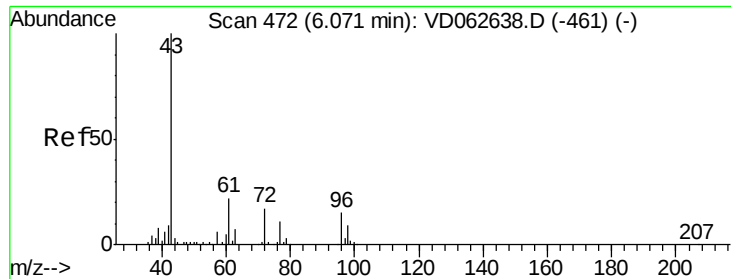


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 272.961 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 491297

Ion Ratio Lower Upper

43 100

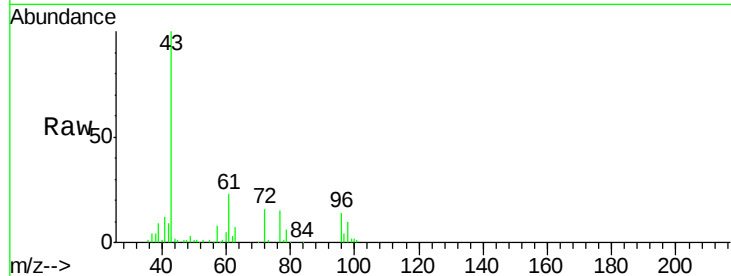
72 16.2 13.5 20.3

Manual Integrations

APPROVED

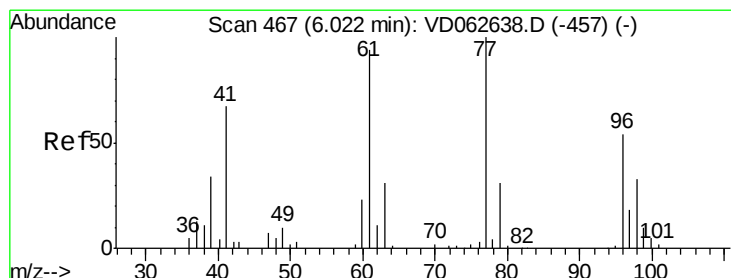
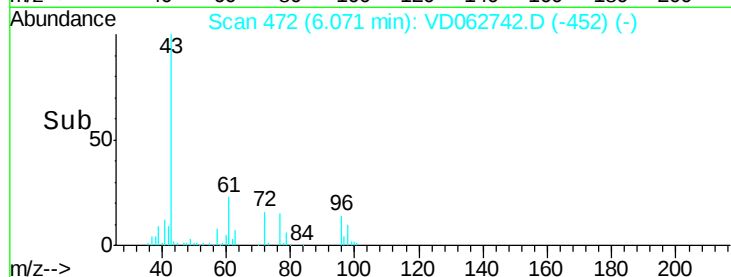
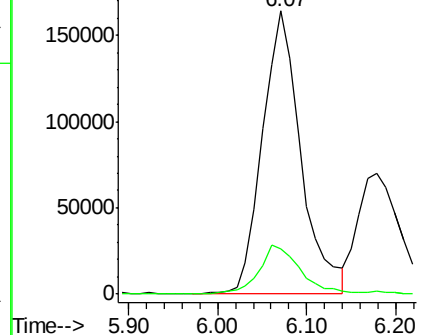
MMDadoda

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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: 53.069 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062742.D

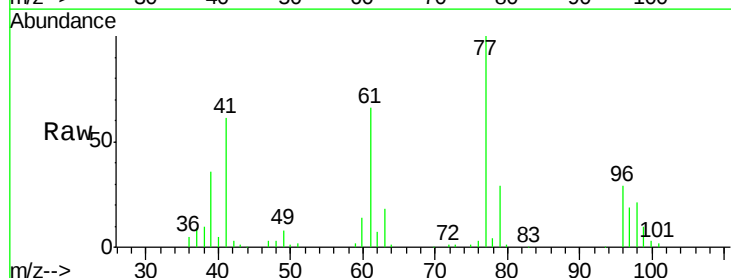
Acq: 18 Jun 2019 11:35

Tgt Ion: 77 Resp: 775240

Ion Ratio Lower Upper

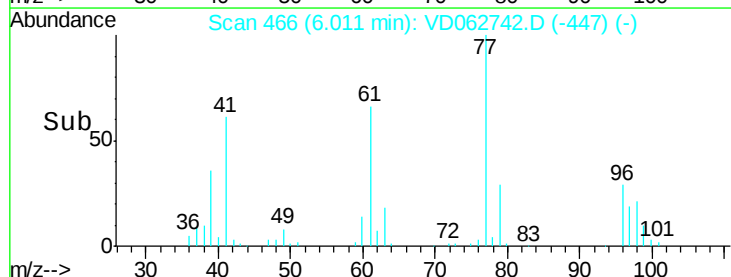
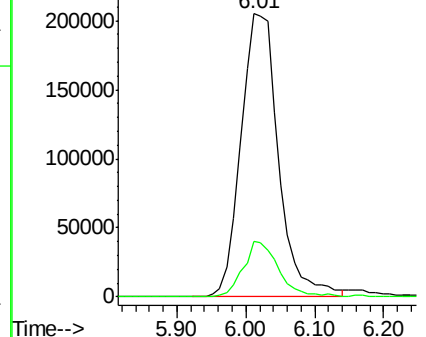
77 100

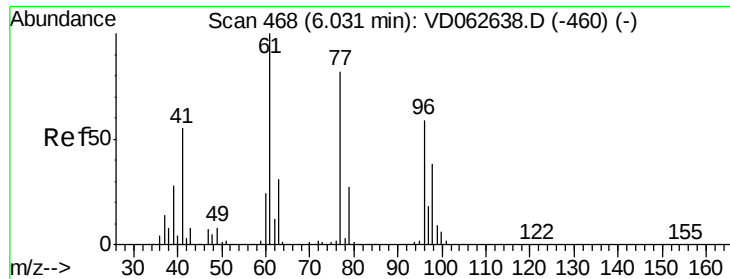
97 19.4 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

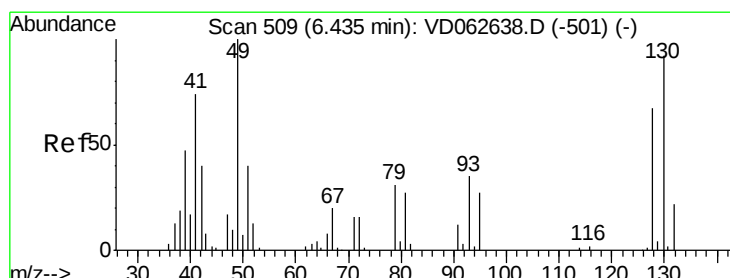
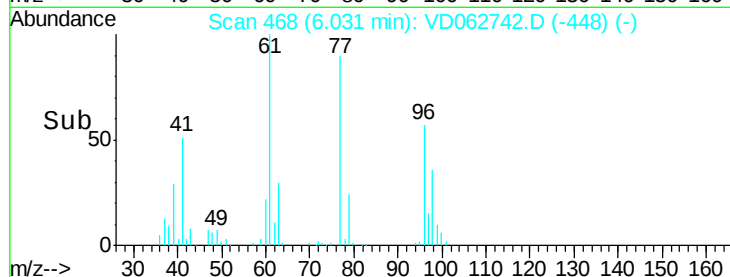
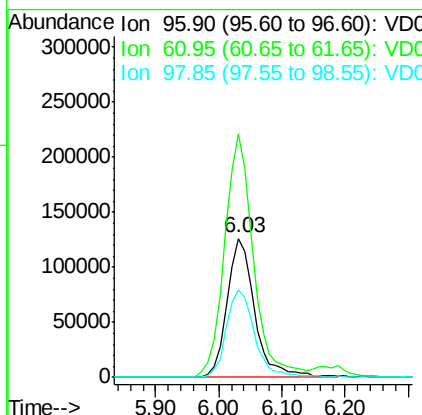
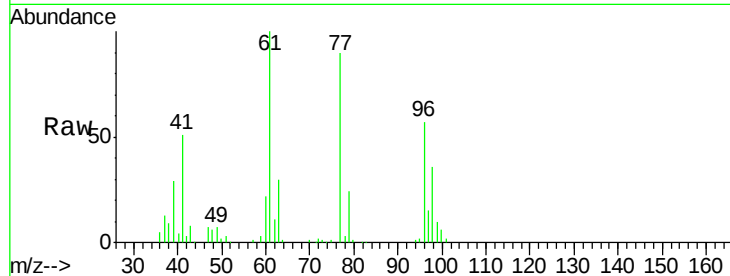
cis-1,2-Dichloroethene
Concen: 51.791 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	175.3	0.0	340.0
98	63.0	0.0	127.6

Manual Integrations
APPROVED

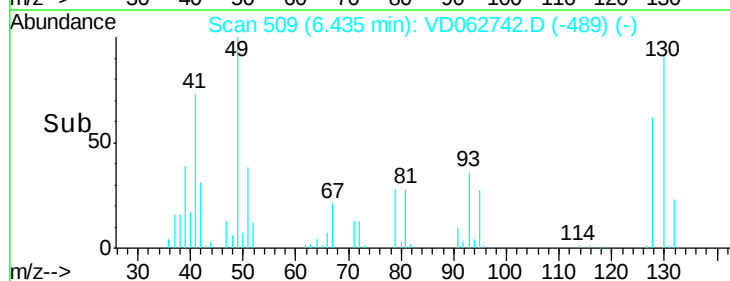
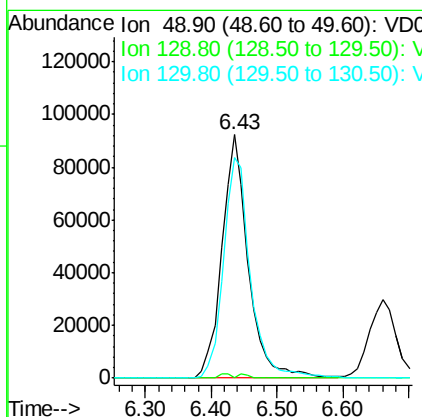
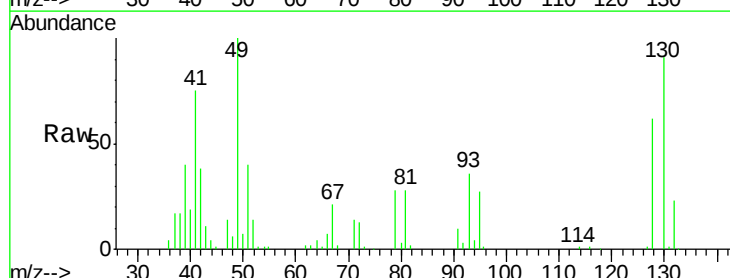
MMDadoda
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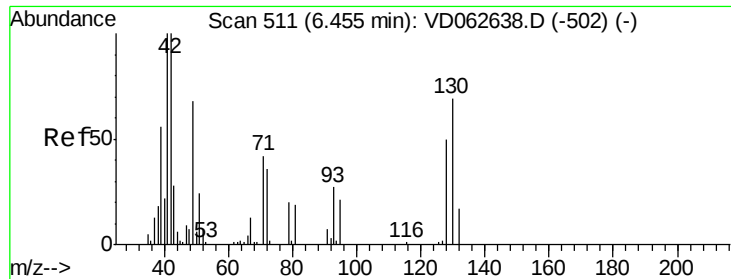


#28

Bromochloromethane
Concen: 53.155 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	8.2
130	90.7	73.4	110.0





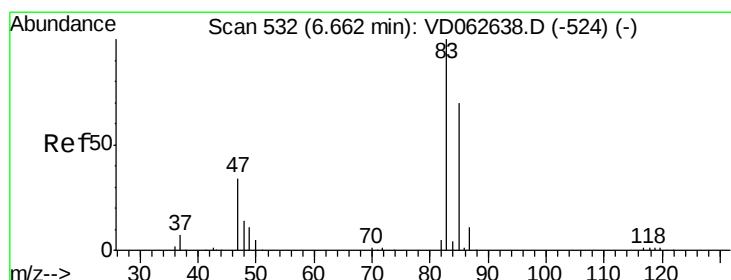
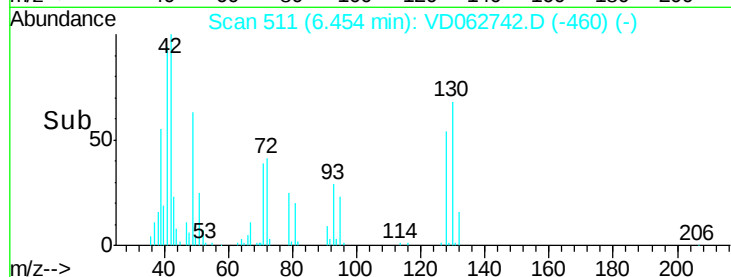
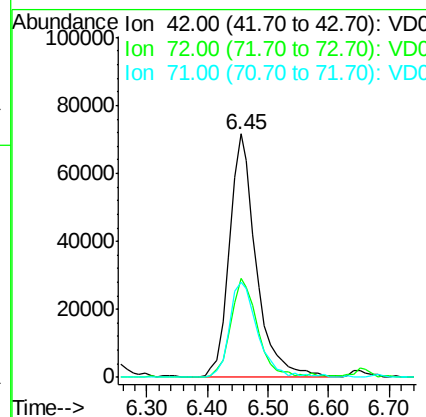
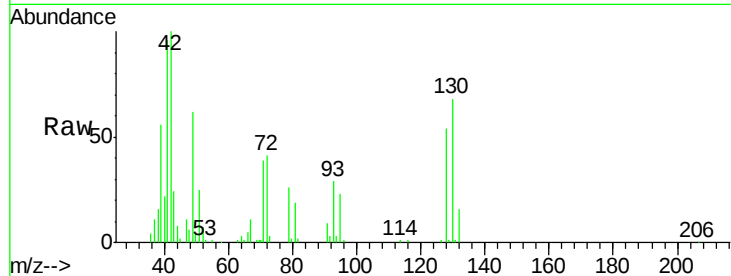
#29
Tetrahydrofuran
Concen: 271.456 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.8	50.6
71	40.9	34.2	51.4

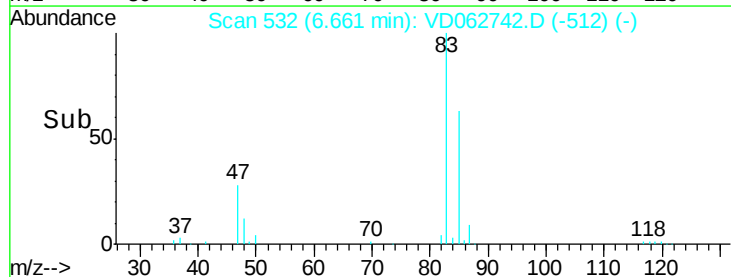
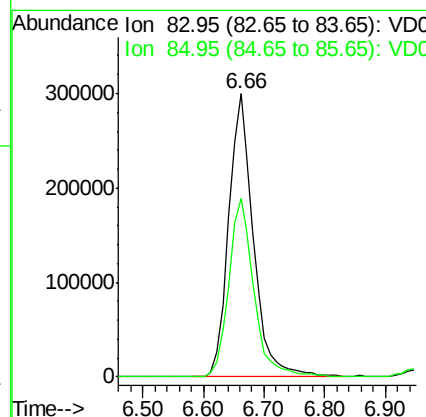
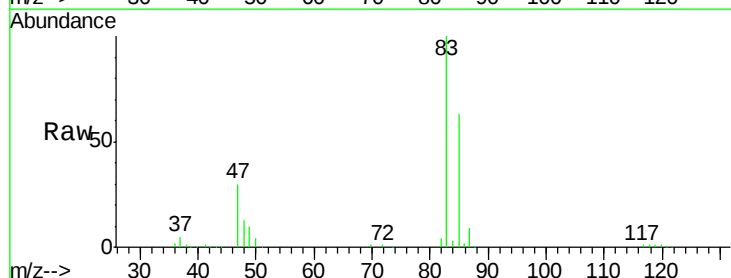
Manual Integrations
APPROVED

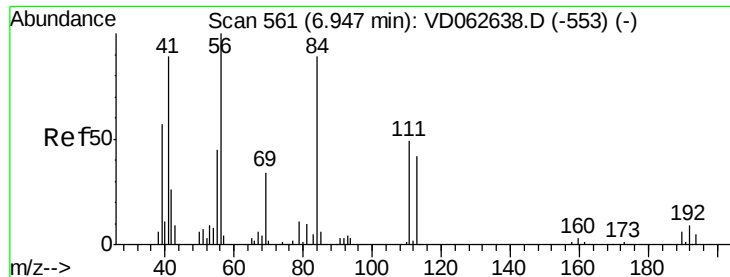
MMDadoda
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#30
Chloroform
Concen: 52.076 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	55.8	83.6





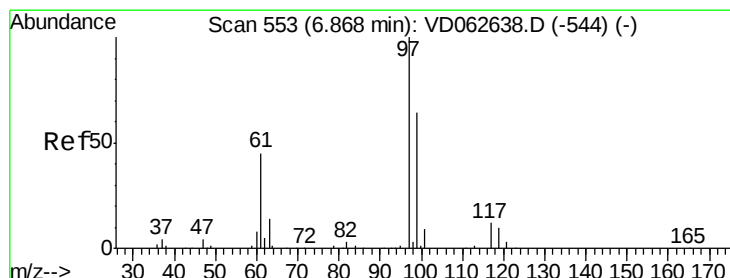
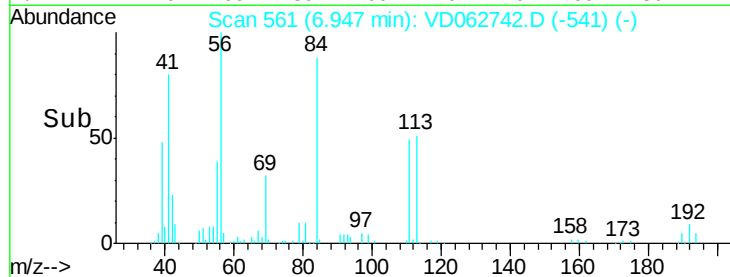
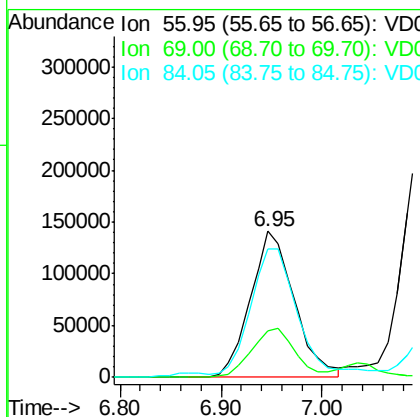
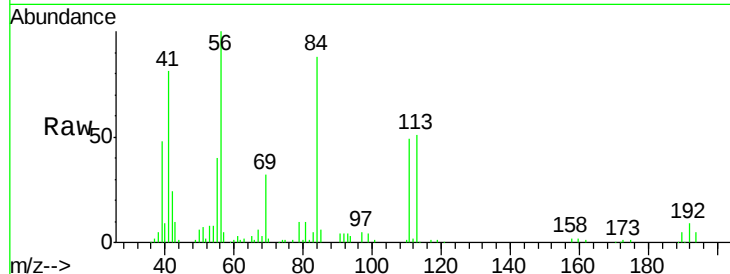
#31
Cyclohexane
Concen: 53.644 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.8	40.2
84	88.1	73.9	110.9

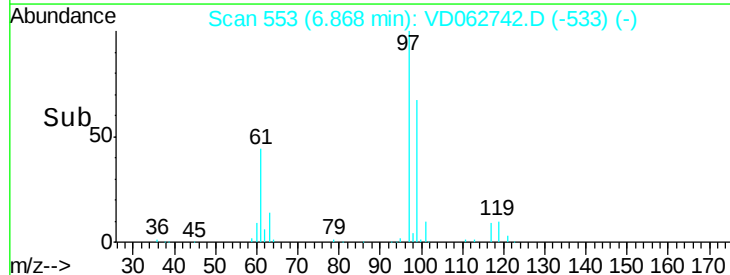
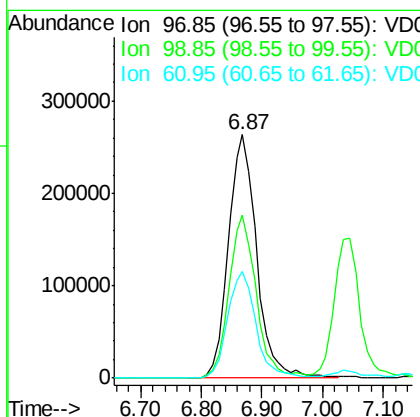
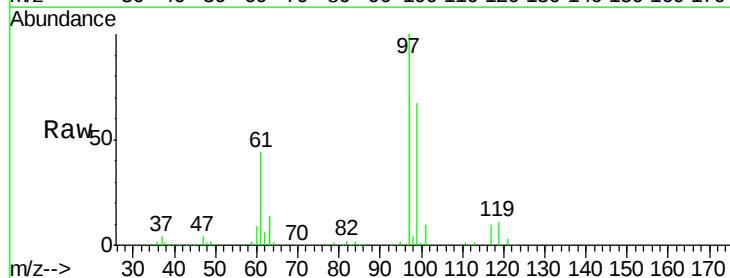
Manual Integrations
APPROVED

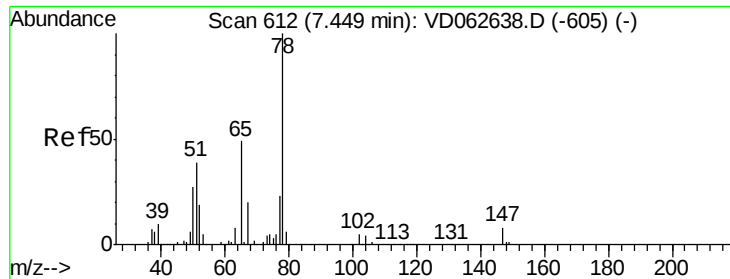
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.730 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.4	77.0
61	43.7	35.6	53.4





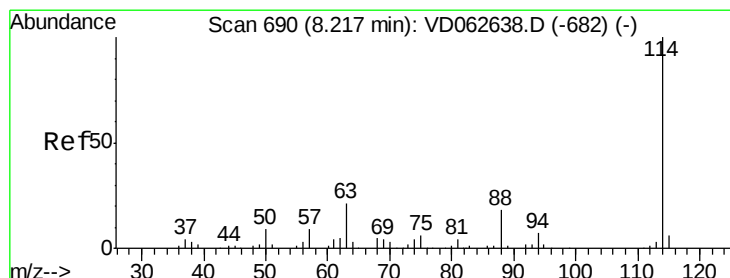
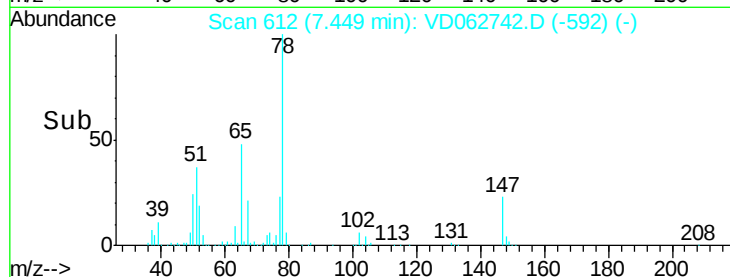
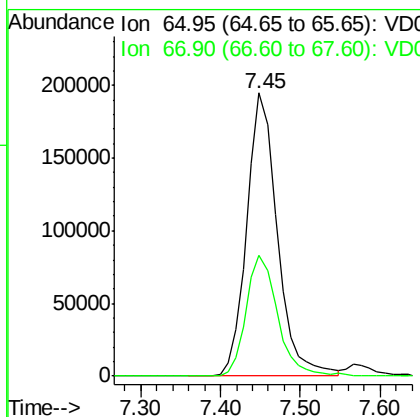
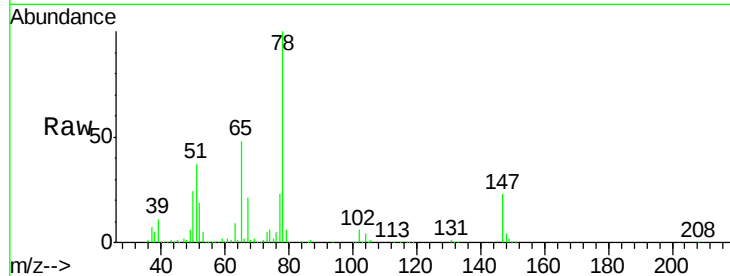
#33
 1,2-Dichloroethane-d4
 Concen: 51.067 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	42.5	0.0	81.8

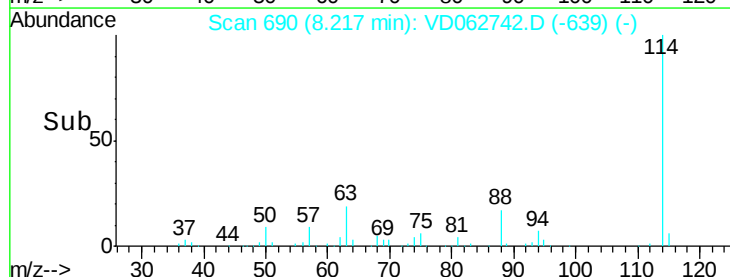
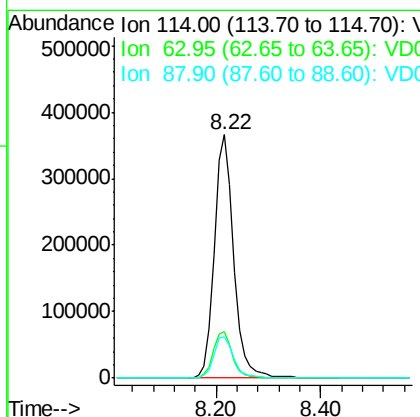
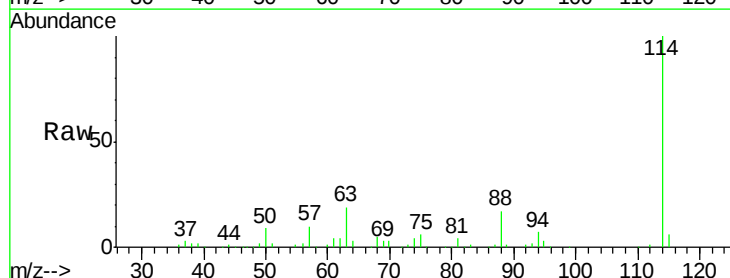
Manual Integrations
 APPROVED

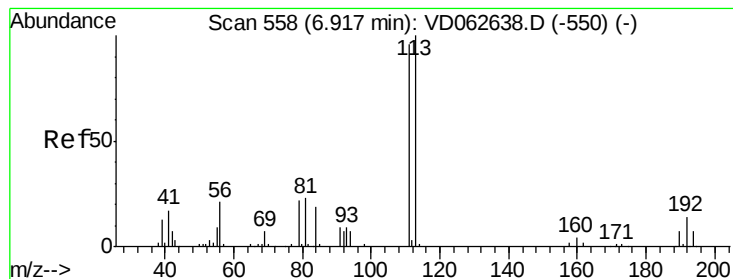
MMDadoda
 6/19/2019 3:04:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	42.4
88	16.9	0.0	36.8





#35

Dibromofluoromethane

Concen: 51.446 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

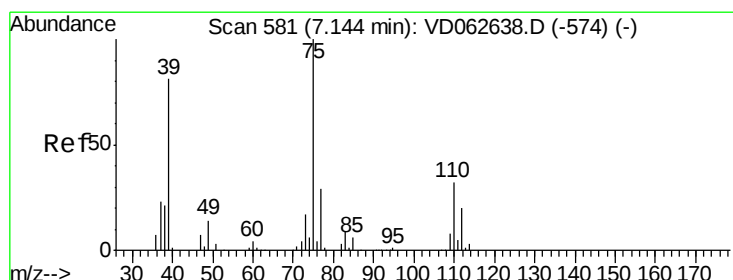
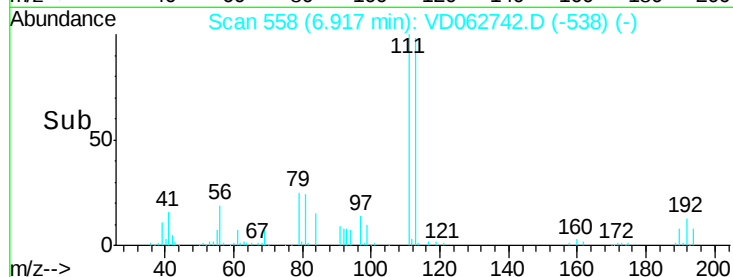
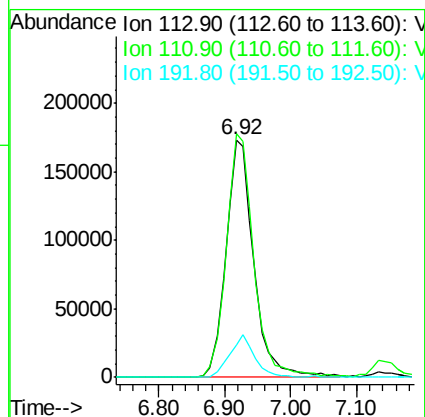
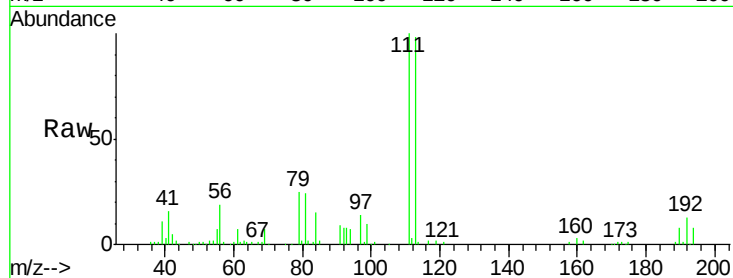
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	509363
Ion Ratio	Lower	Upper	
113	100		
111	102.5	76.4	114.6
192	13.4	11.4	17.0

Manual Integrations
APPROVED

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#36

1,1-Dichloropropene

Concen: 51.751 ug/l

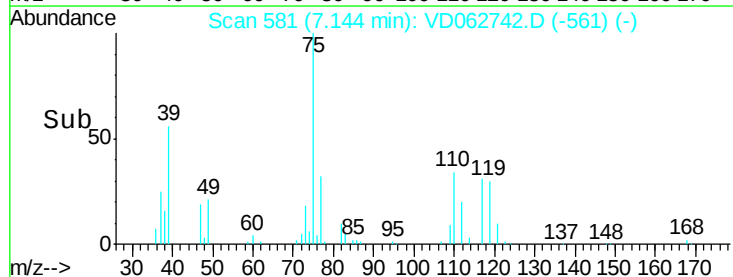
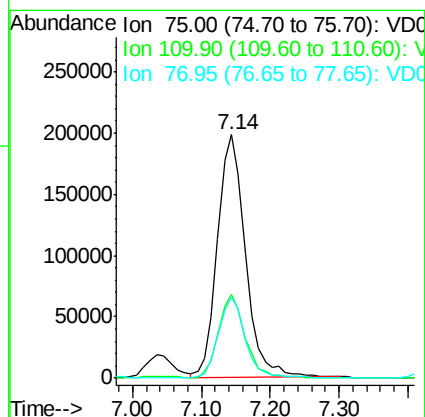
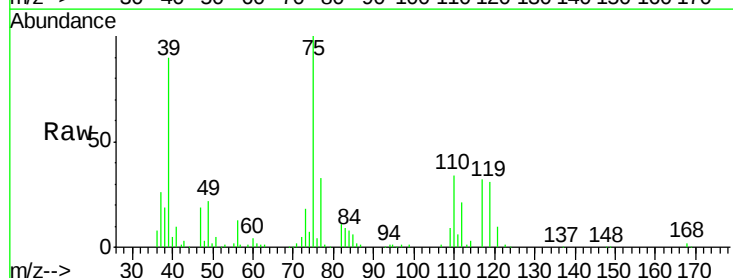
RT: 7.14 min Scan# 581

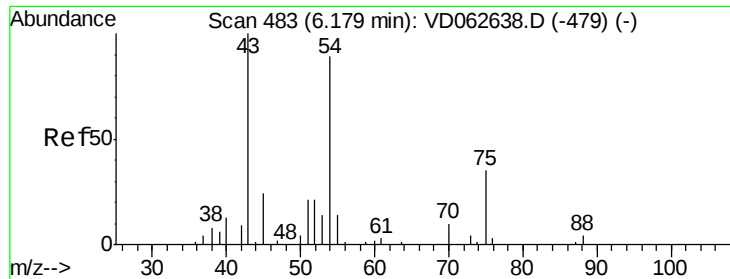
Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Tgt Ion:	75	Resp:	556042
Ion Ratio	Lower	Upper	
75	100		
110	34.3	15.9	47.7
77	33.3	23.3	34.9





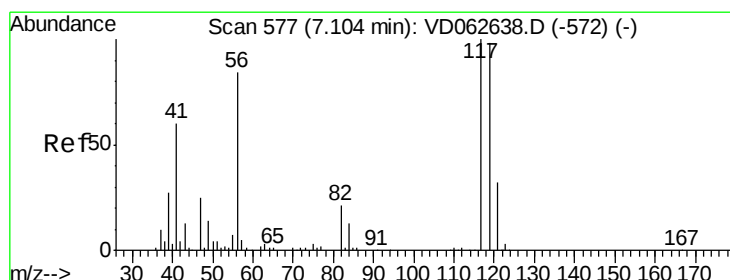
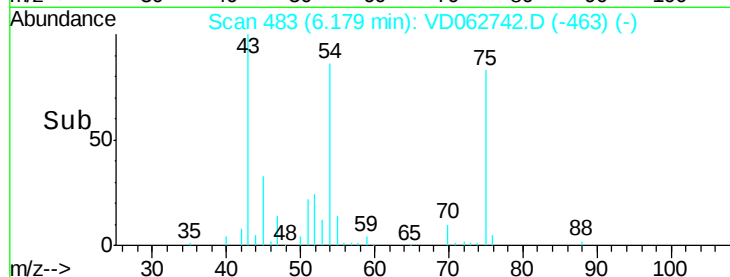
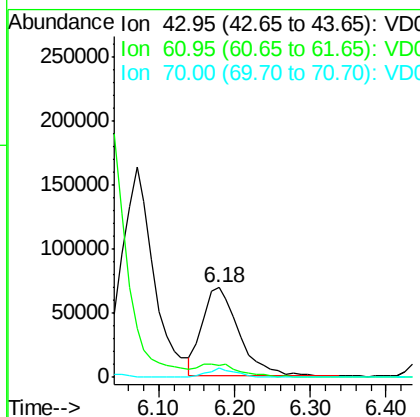
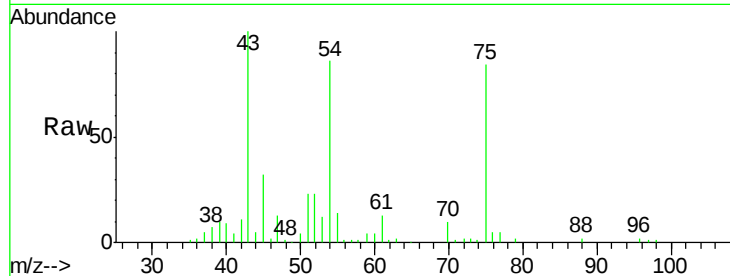
#37
Ethyl Acetate
Concen: 50.774 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	8.7	13.1
70	10.0	6.5	9.7

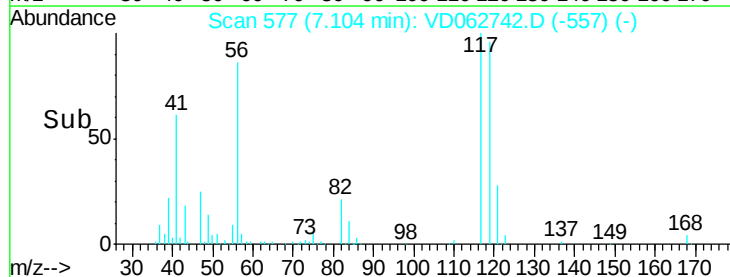
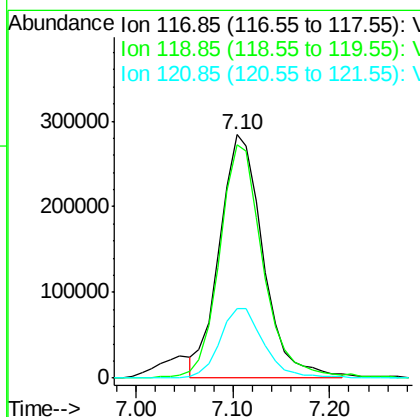
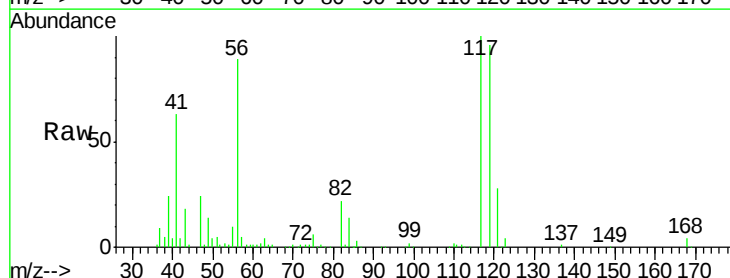
Manual Integrations
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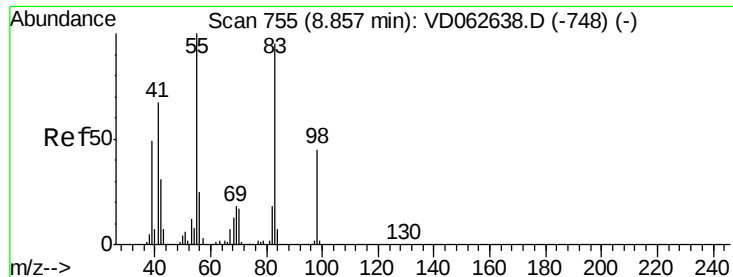
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6/19/2019 3:04:11 PM



#38
Carbon Tetrachloride
Concen: 52.353 ug/l m
RT: 7.10 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	73.5	110.3
121	28.3	24.2	36.4





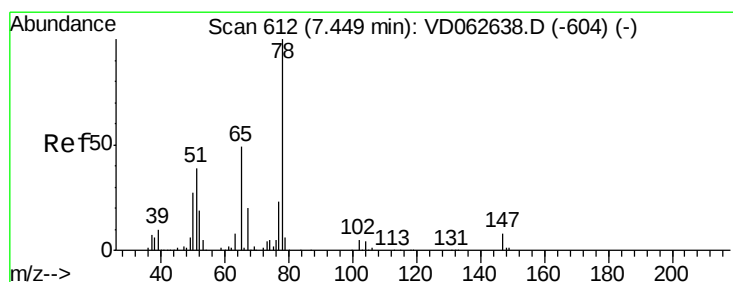
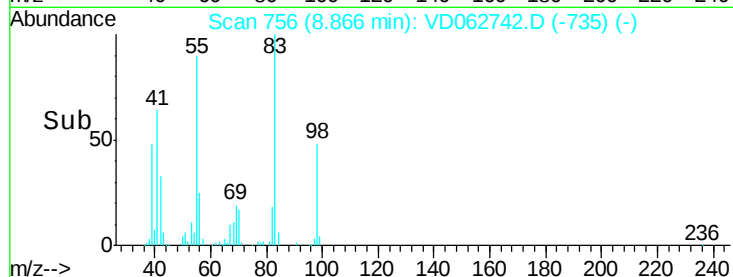
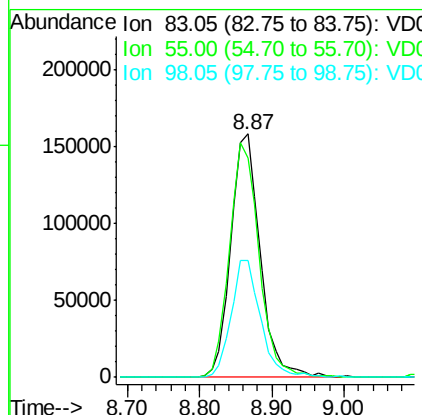
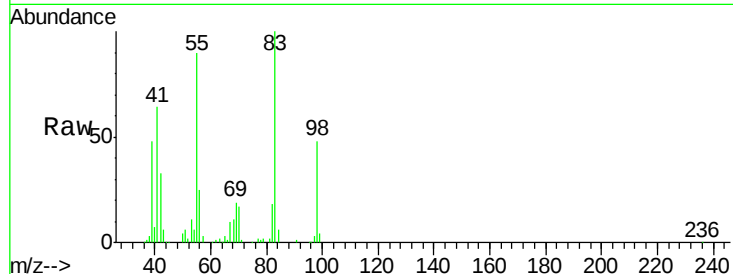
#39
Methvlcvclohexane
Concen: 51.945 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.3	84.6	127.0
98	48.0	38.2	57.4

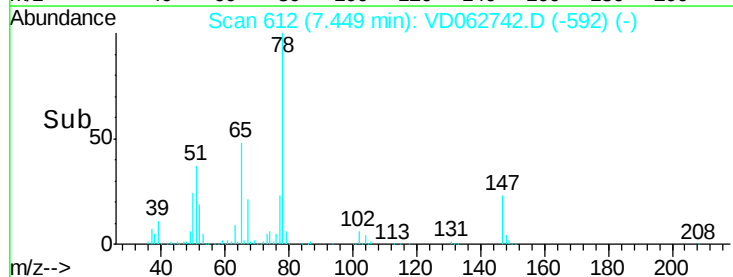
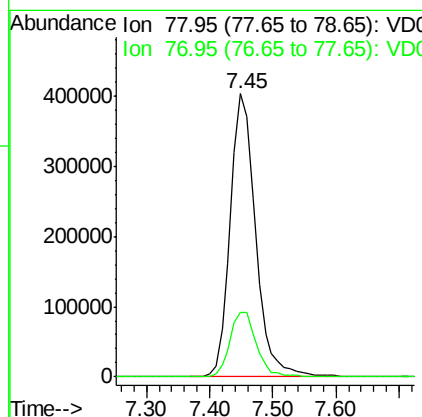
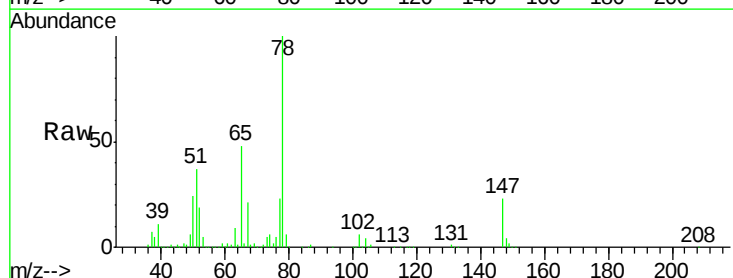
Manual Integrations
APPROVED

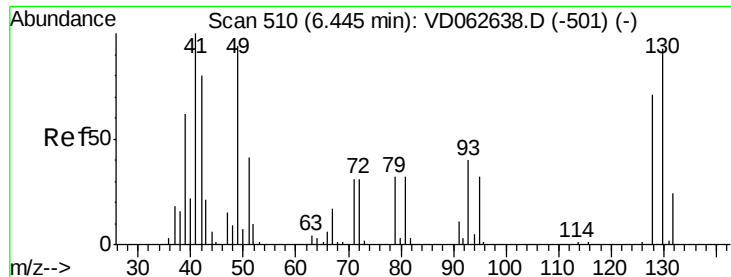
MMDadoda
6/19/2019 3:04:11 PM



#40
Benzene
Concen: 53.594 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.6	28.0





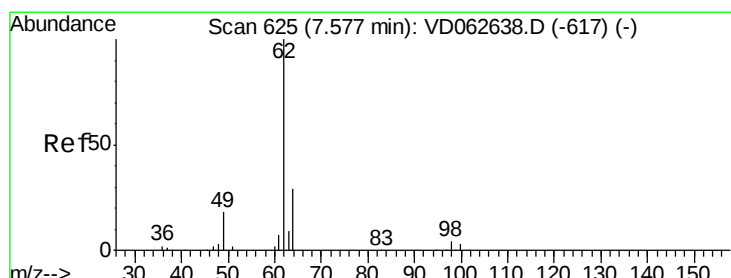
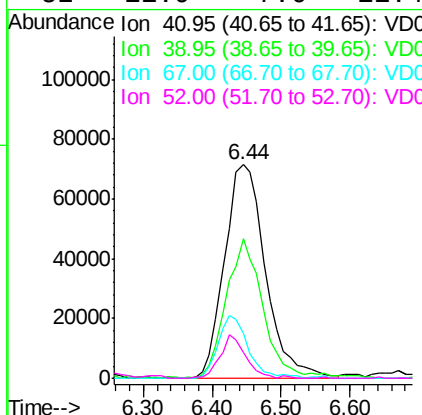
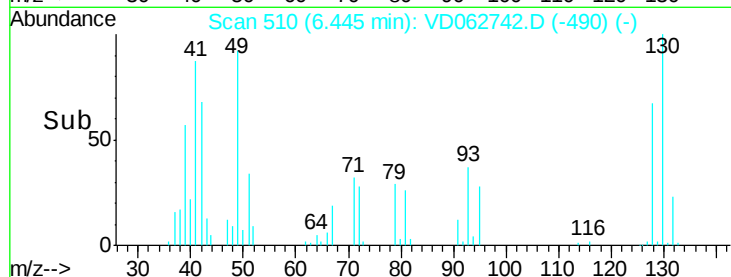
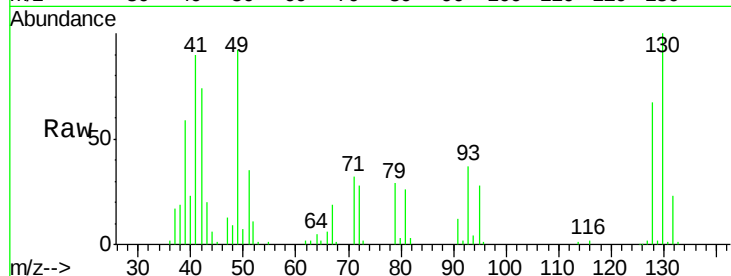
#41
Methacrylonitrile
Concen: 52.424 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.2	49.2	73.8
67	20.7	13.9	20.9
52	11.9	7.6	11.4#

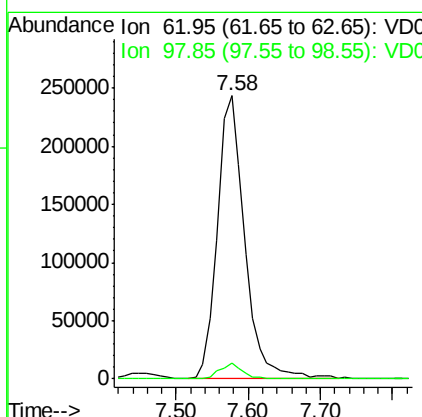
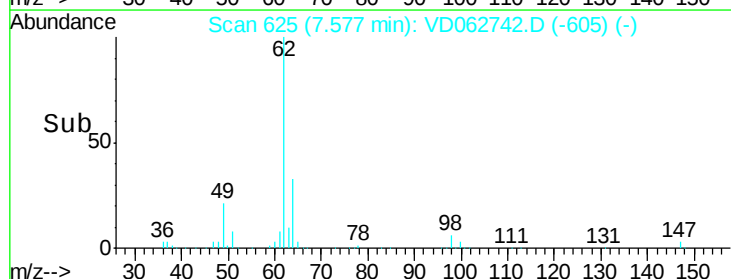
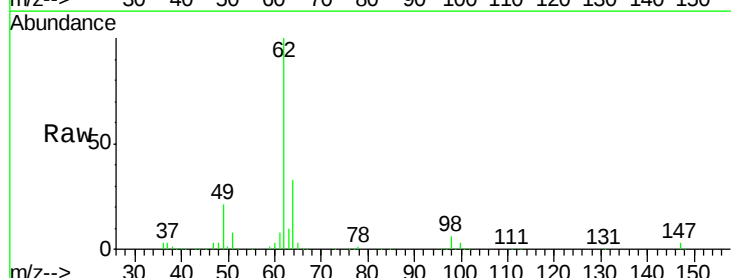
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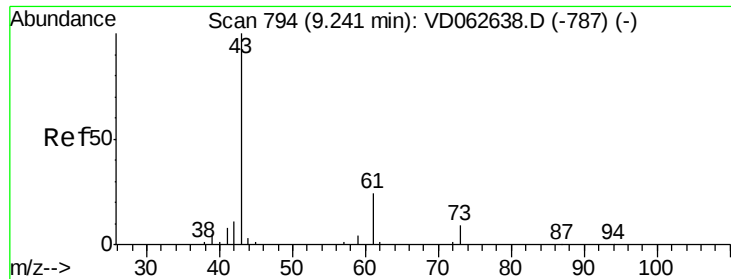
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.986 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	7.4





#43

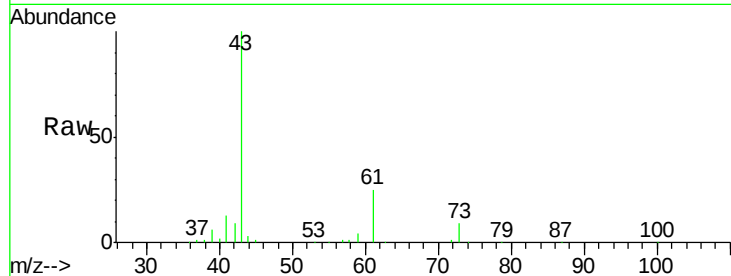
Isopropyl Acetate
 Concen: 57.590 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

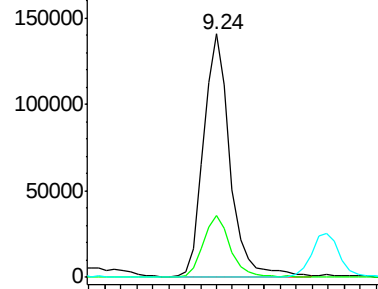
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.5	19.0	28.6
87	0.3	0.3	0.5

Manual Integrations
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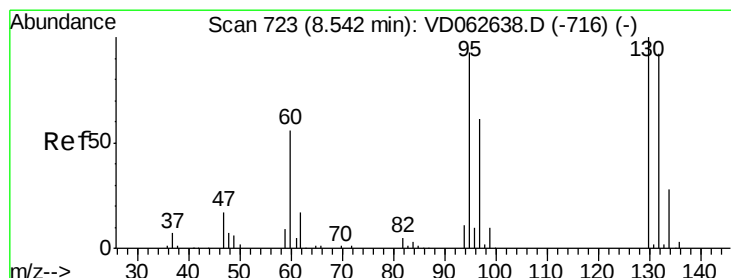
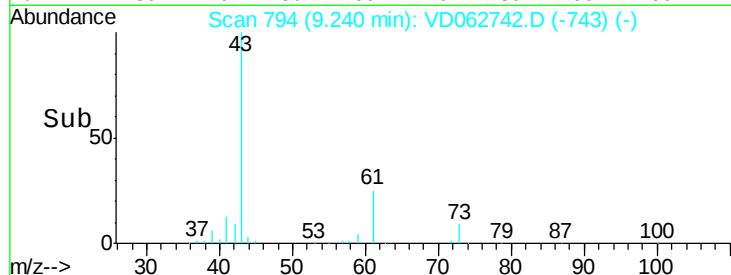
MMDadoda
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Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



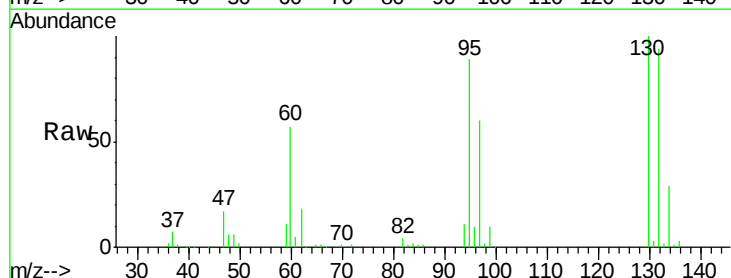
Time-->



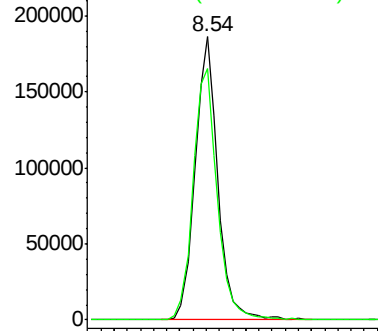
#44

Trichloroethene
 Concen: 52.396 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

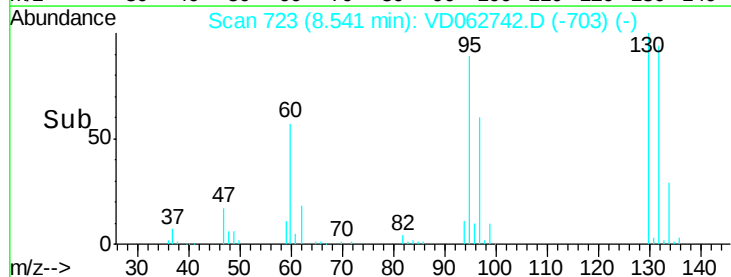
Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.0	0.0	185.6

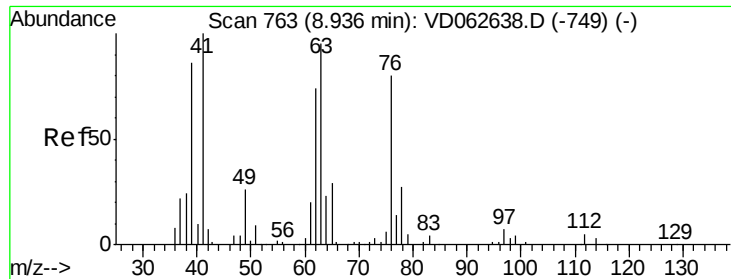


Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC



Time-->





#45

1,2-Dichloropropane

Concen: 53.993 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 272134

Ion Ratio Lower Upper

63 100

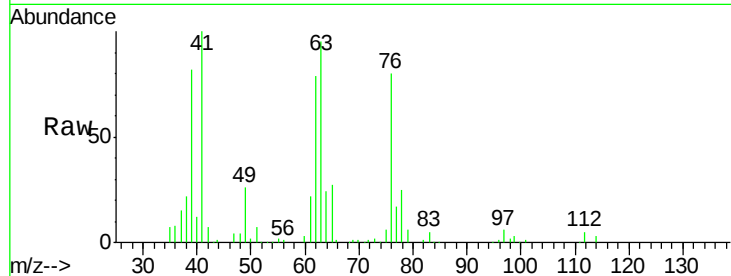
65 28.7 24.6 37.0

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

120000

100000

80000

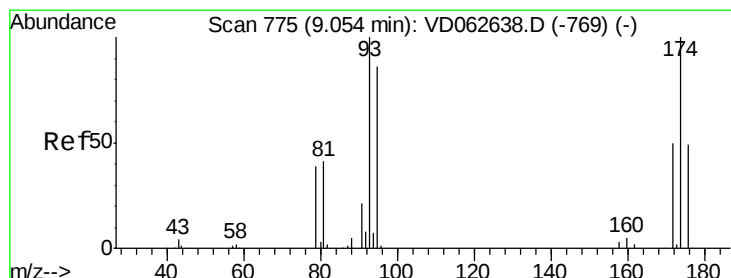
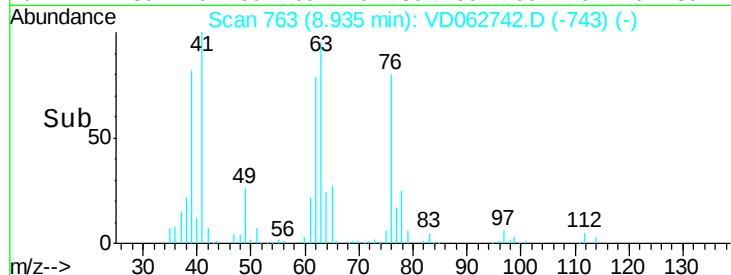
60000

40000

20000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 54.140 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

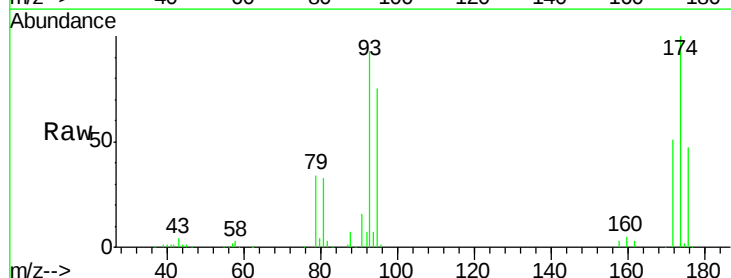
Tgt Ion: 93 Resp: 242215

Ion Ratio Lower Upper

93 100

95 80.3 68.7 103.1

174 107.3 79.8 119.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

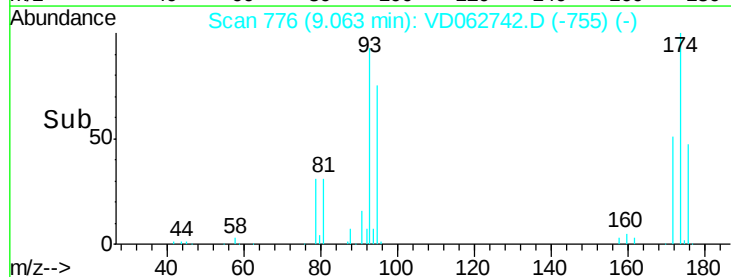
150000

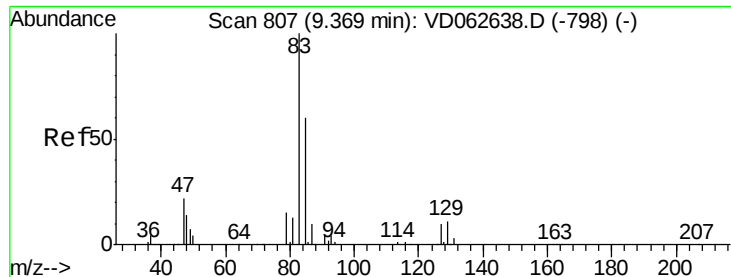
100000

50000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 54.877 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

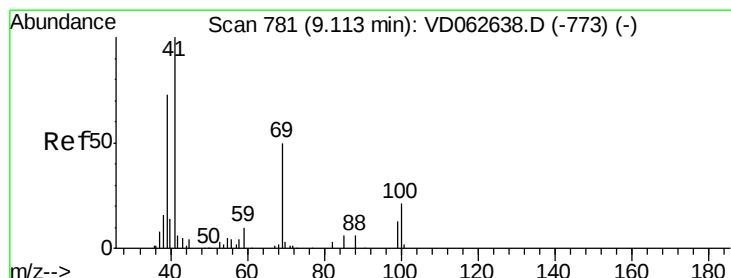
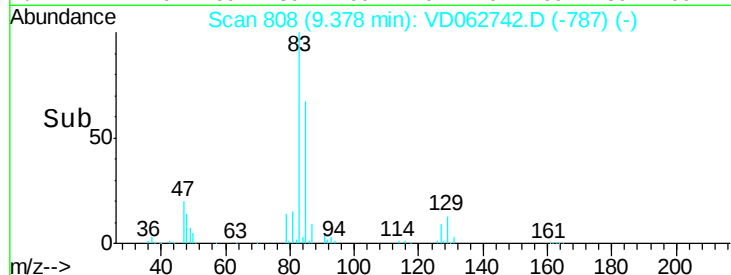
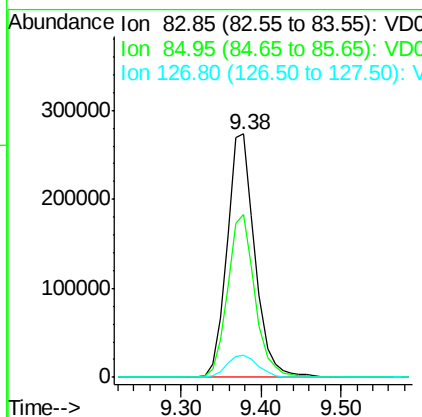
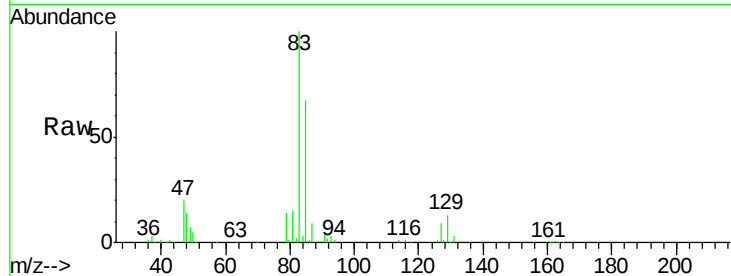
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	667861
Ion	Ratio	Lower	Upper
83	100		
85	66.9	47.9	71.9
127	9.0	8.2	12.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.897 ug/l

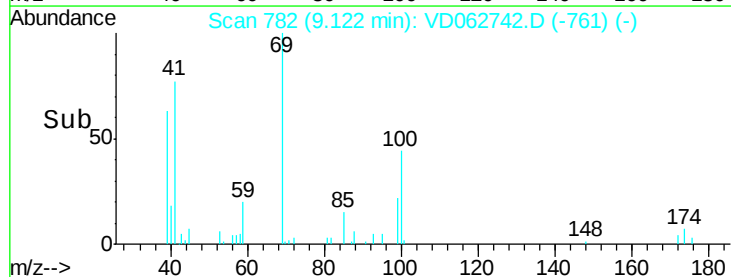
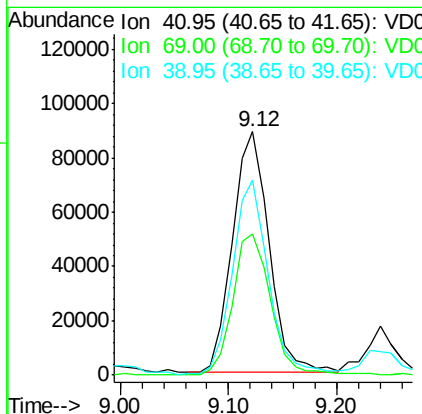
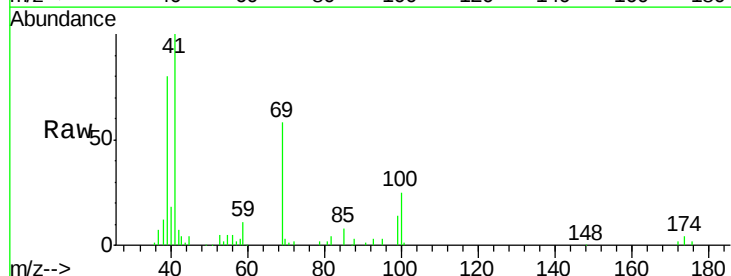
RT: 9.12 min Scan# 782

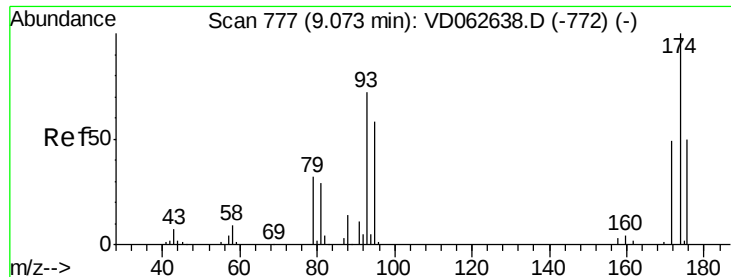
Delta R.T. 0.01 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Tgt Ion:	41	Resp:	208463
Ion	Ratio	Lower	Upper
41	100		
69	58.3	39.8	59.6
39	80.3	59.1	88.7





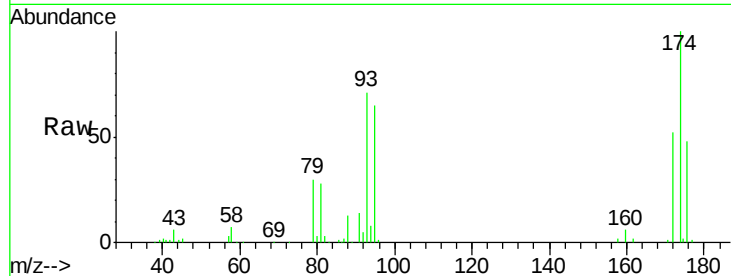
#49
1,4-Dioxane
Concen: 1092.899 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

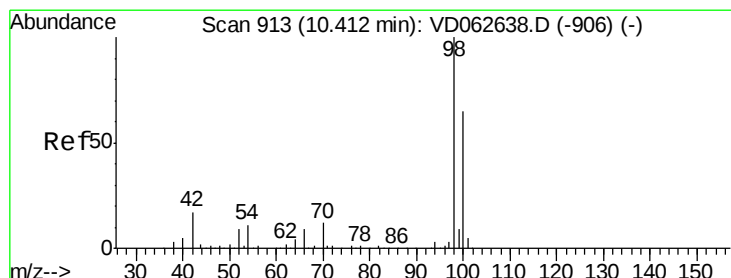
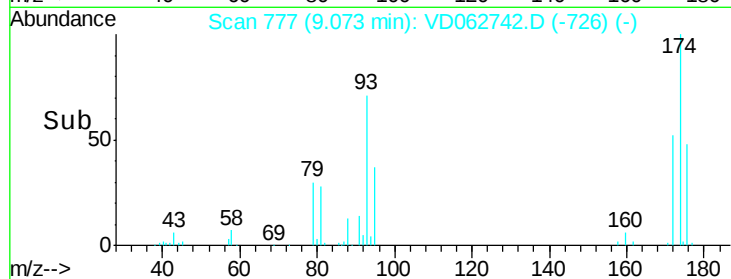
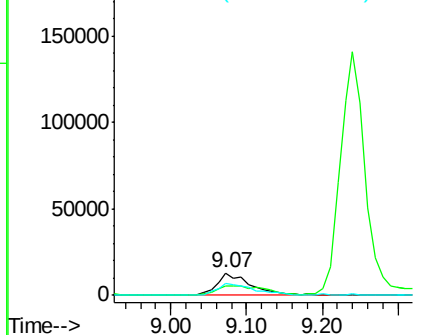
Tot Ion	Ratio	Lower	Upper
88	100		
43	41.9	40.7	61.1
58	55.0	54.2	81.4

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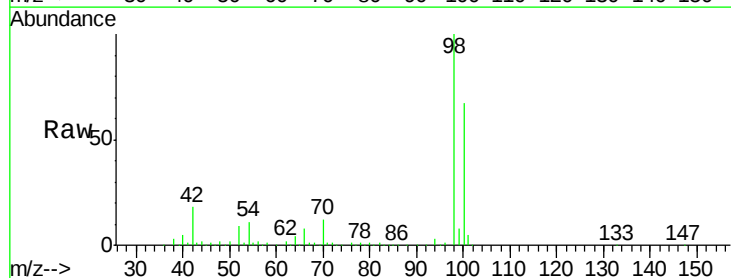


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

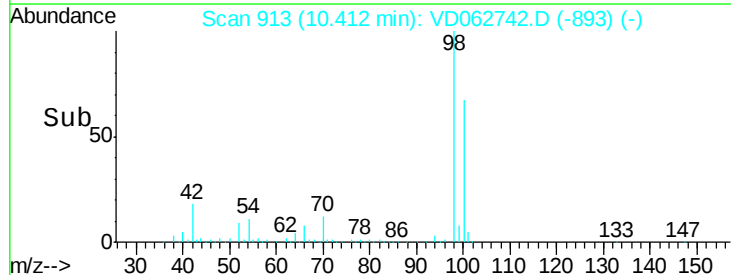
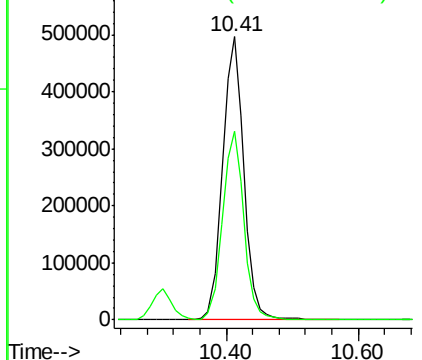


#50
Toluene-d8
Concen: 53.580 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.1	78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 273.978 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1086853

Ion Ratio Lower Upper

43 100

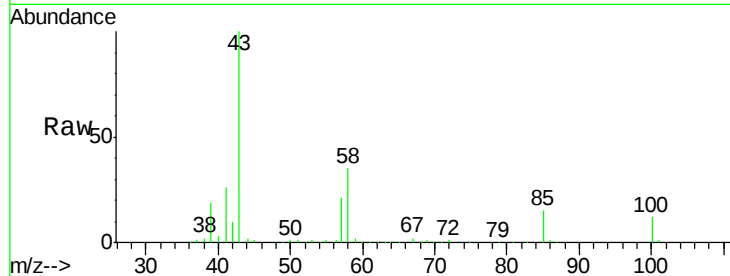
58 34.9 26.1 39.1

Manual Integrations

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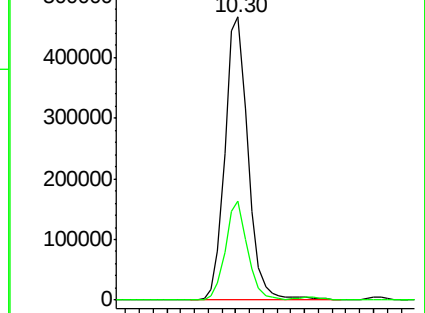
MMDadoda

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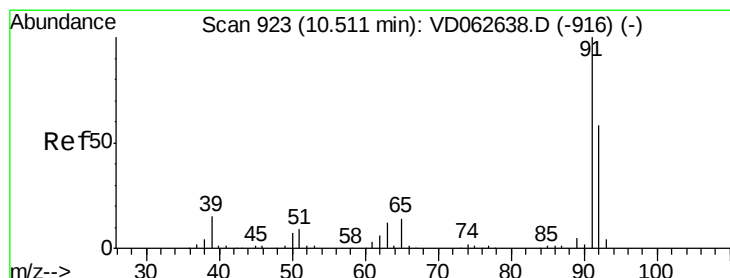
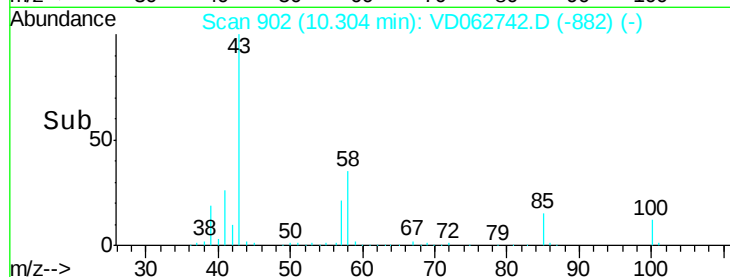


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 52.323 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062742.D

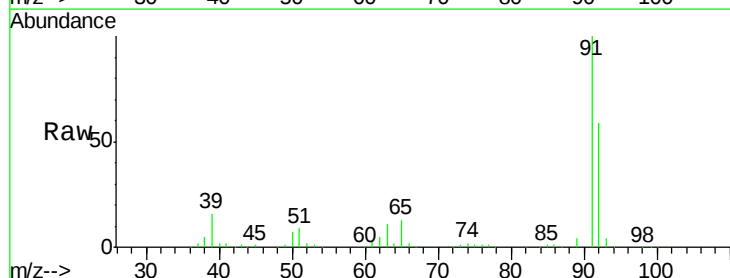
Acq: 18 Jun 2019 11:35

Tgt Ion: 92 Resp: 737998

Ion Ratio Lower Upper

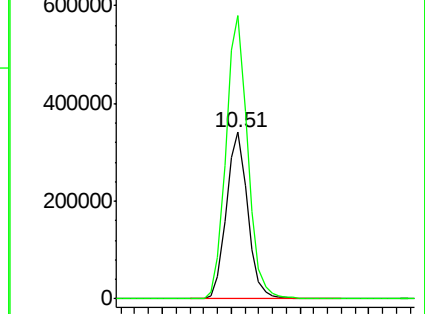
92 100

91 169.8 137.0 205.6

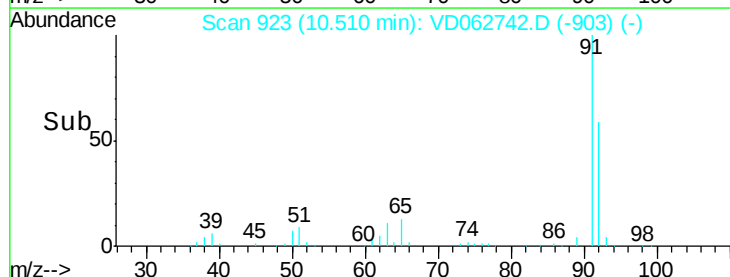


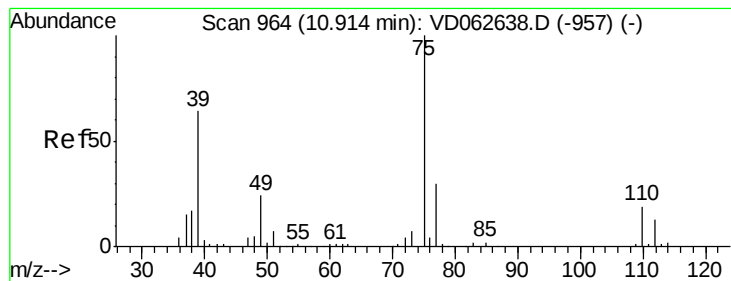
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->





#53

t-1,3-Dichloropropene

Concen: 55.192 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 550712

Ion Ratio Lower Upper

75 100

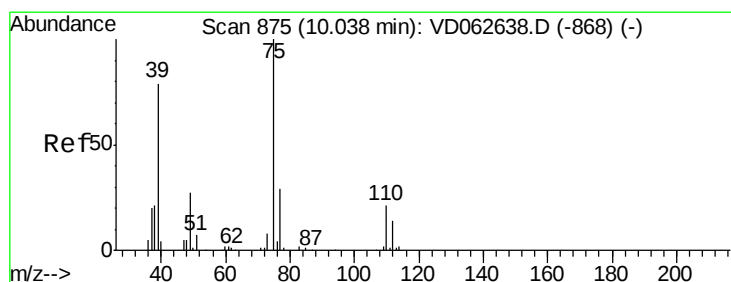
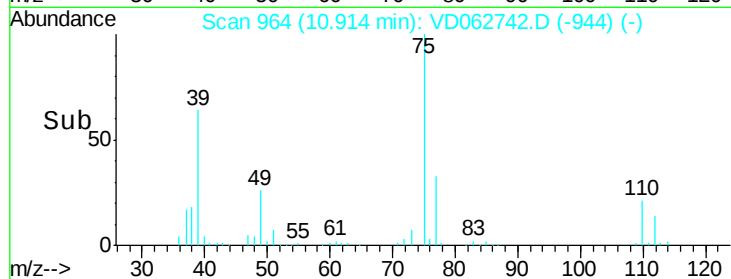
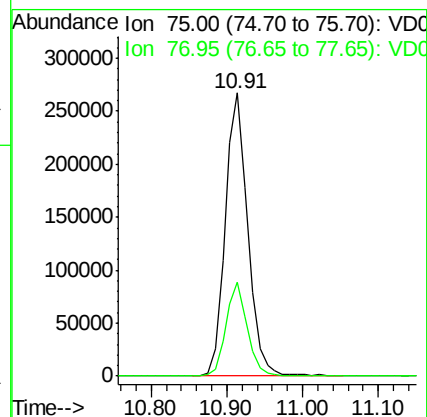
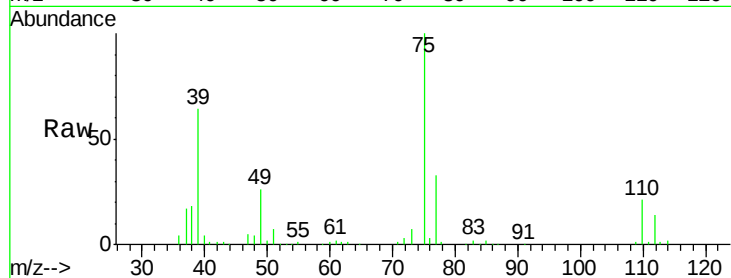
77 33.0 24.1 36.1

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#54

cis-1,3-Dichloropropene

Concen: 54.566 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

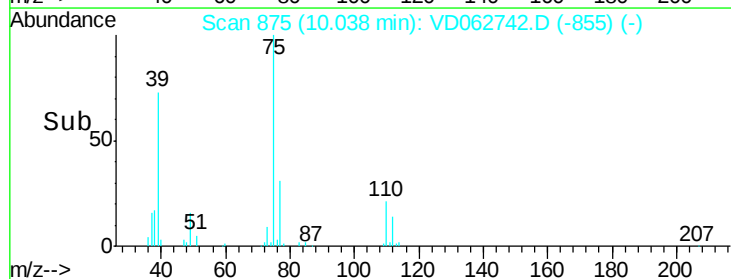
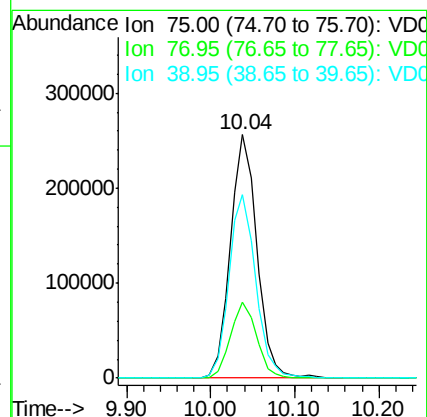
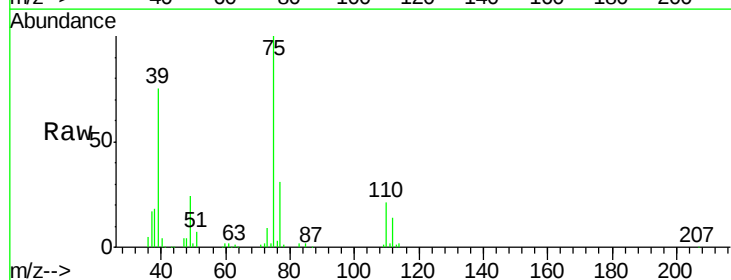
Tgt Ion: 75 Resp: 562725

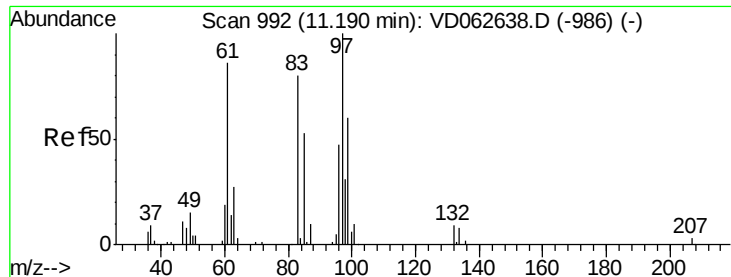
Ion Ratio Lower Upper

75 100

77 31.1 23.1 34.7

39 75.2 63.4 95.2





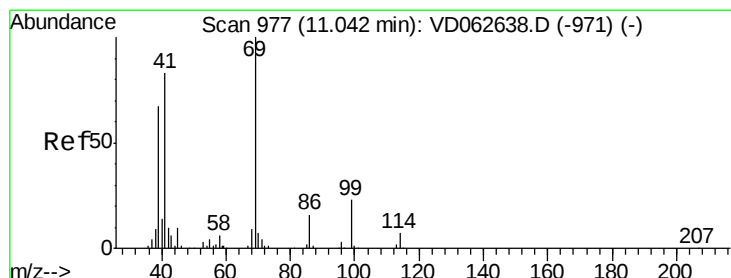
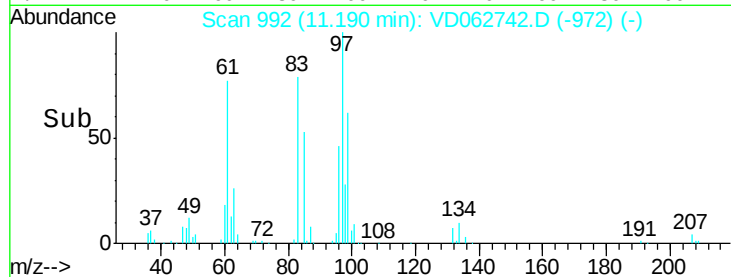
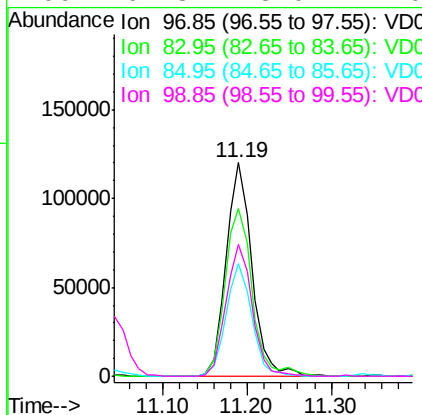
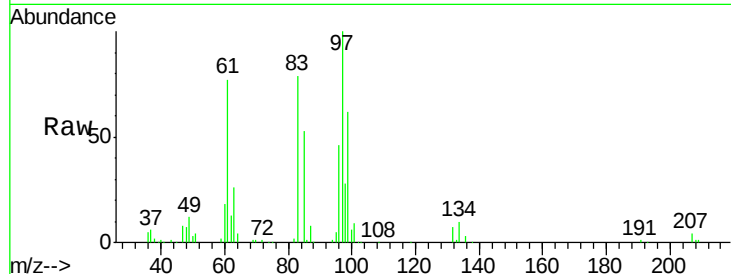
#55
 1,1,2-Trichloroethane
 Concen: 52.926 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	256006
Ion	Ratio	Lower	Upper
97	100		
83	78.7	63.8	95.8
85	52.6	42.3	63.5
99	61.8	48.0	72.0

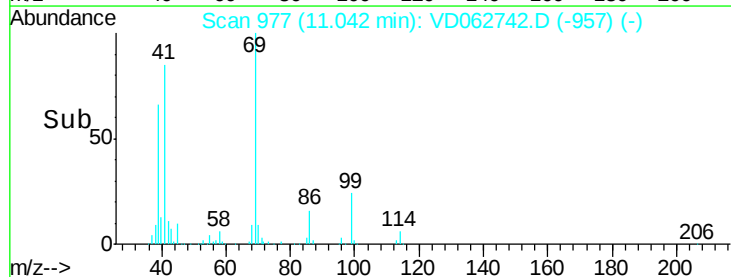
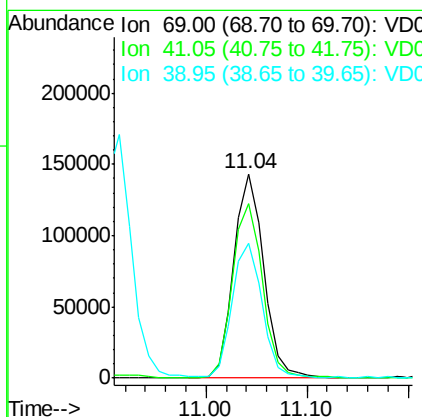
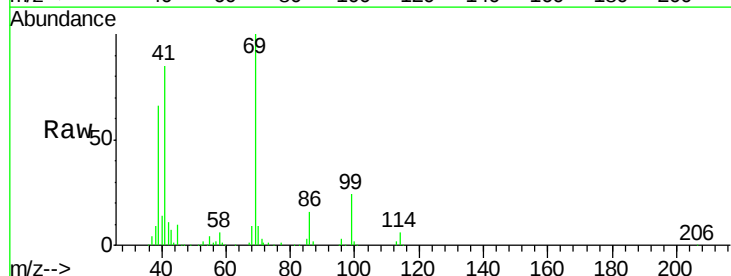
Manual Integrations
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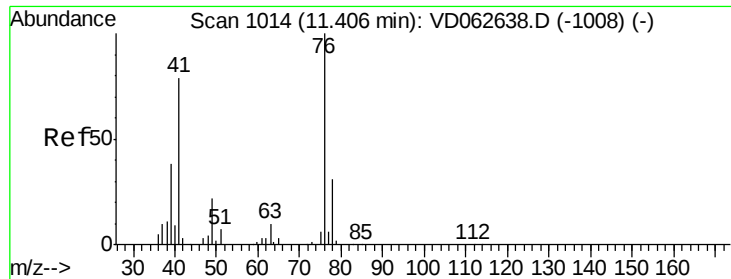
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#56
 Ethyl methacrylate
 Concen: 50.810 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

Tgt Ion:	69	Resp:	296529
Ion	Ratio	Lower	Upper
69	100		
41	85.3	66.2	99.4
39	65.9	53.8	80.8





#57

1,3-Dichloropropane

Concen: 52.127 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 390801

Ion Ratio Lower Upper

76 100

78 32.5

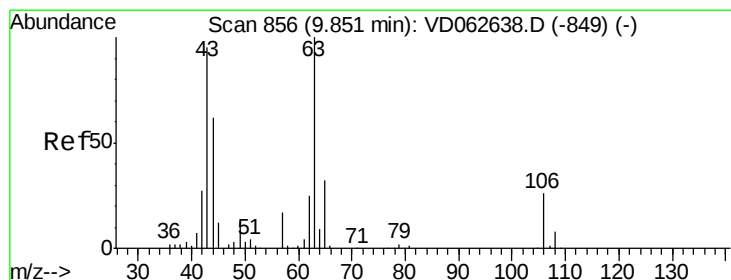
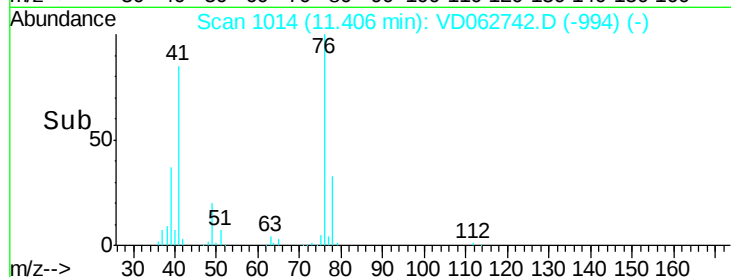
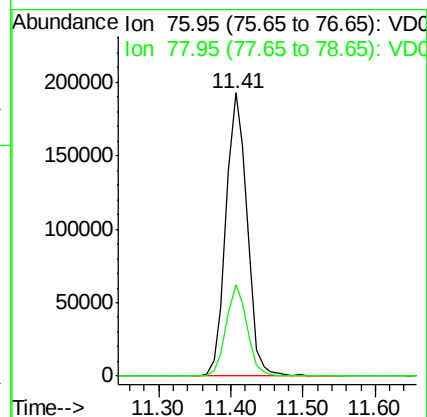
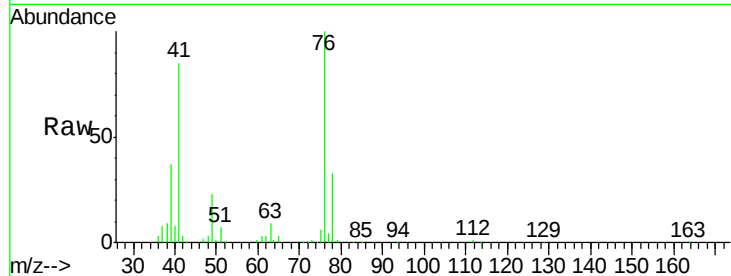
24.9

37.3

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 249.845 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Tgt Ion: 63 Resp: 645919

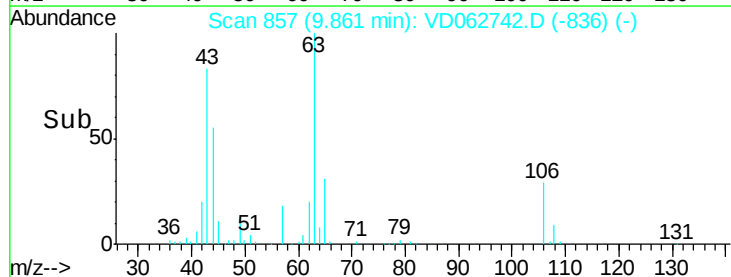
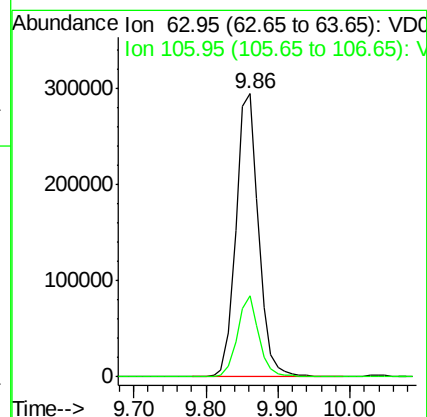
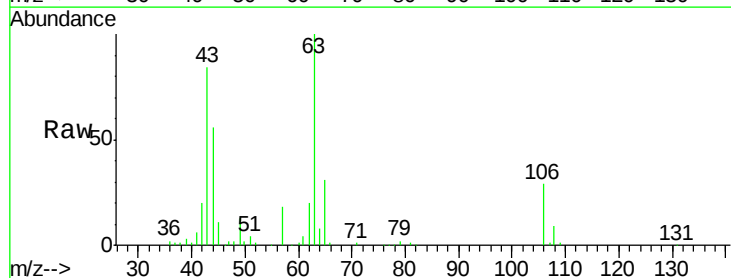
Ion Ratio Lower Upper

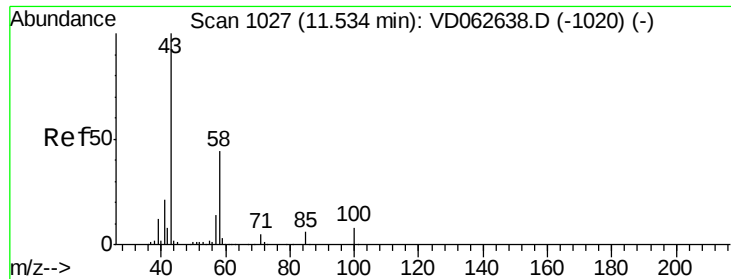
63 100

106 28.6

20.5

30.7





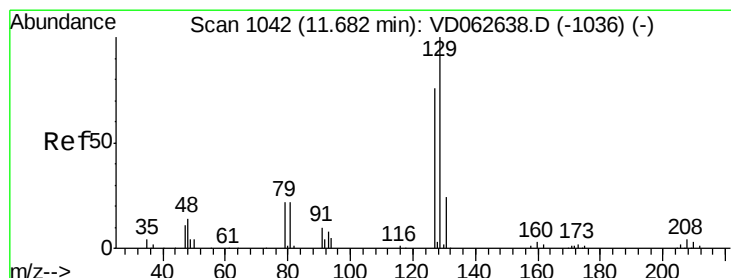
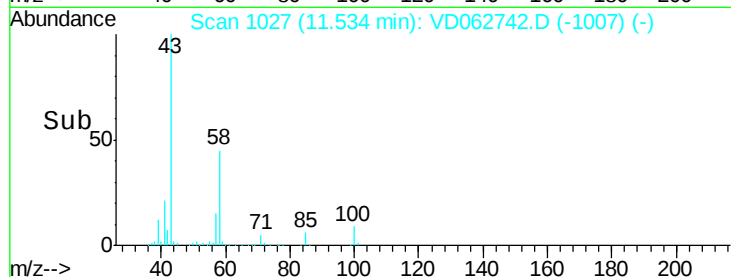
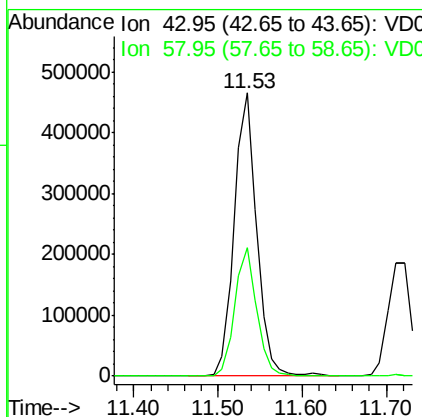
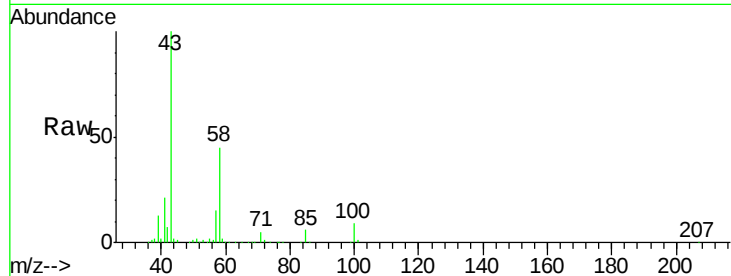
#59
2-Hexanone
Concen: 294.101 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 867848
Ion Ratio Lower Upper
43 100
58 45.3 21.8 65.4

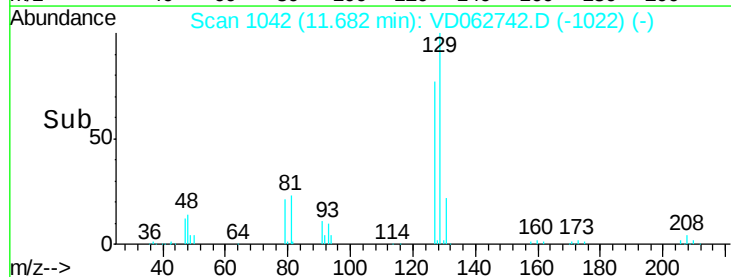
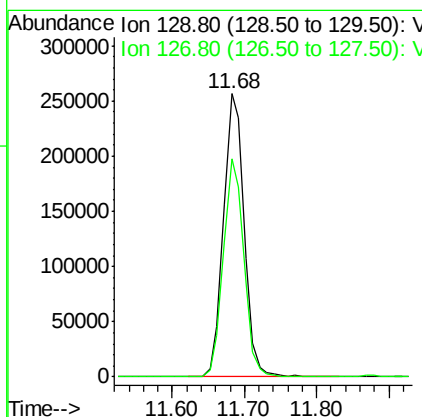
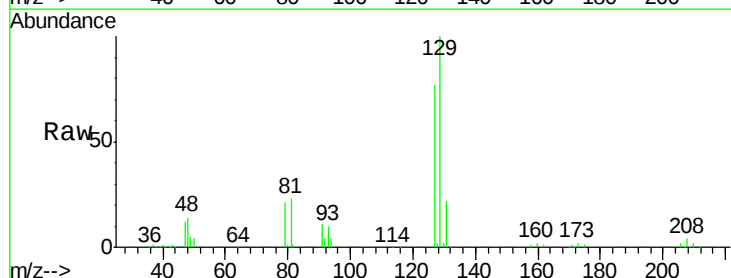
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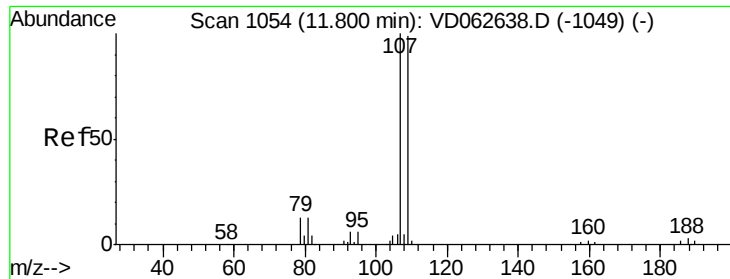
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#60
Dibromochloromethane
Concen: 53.151 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion: 129 Resp: 507507
Ion Ratio Lower Upper
129 100
127 77.0 38.0 114.1





#61

1,2-Dibromoethane

Concen: 55.597 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 321857

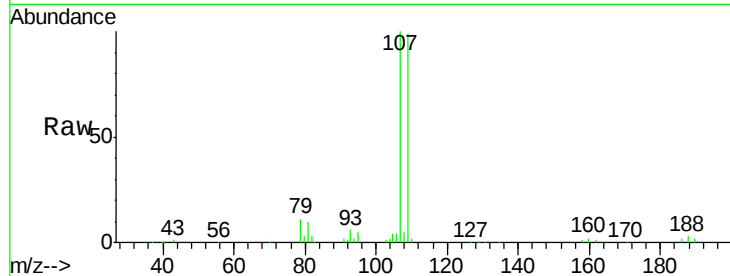
Ion Ratio Lower Upper

107 100

109 99.2 79.2 118.8

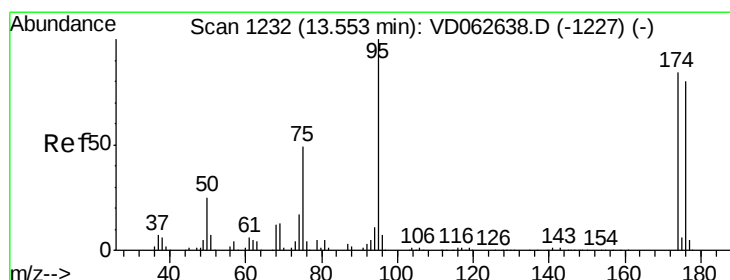
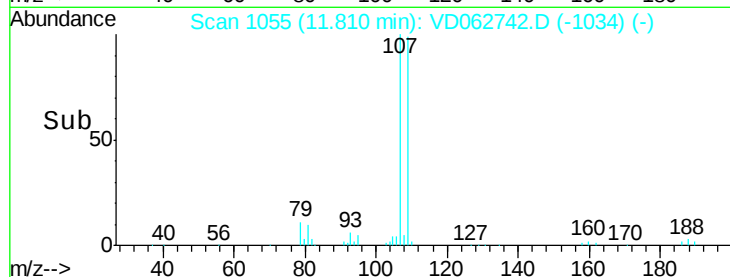
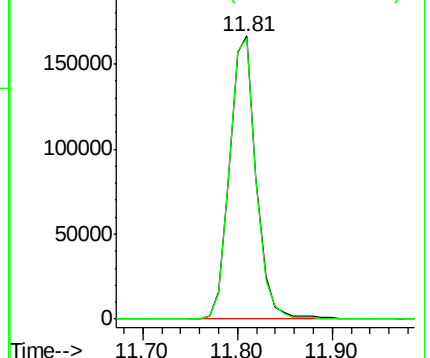
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 50.998 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

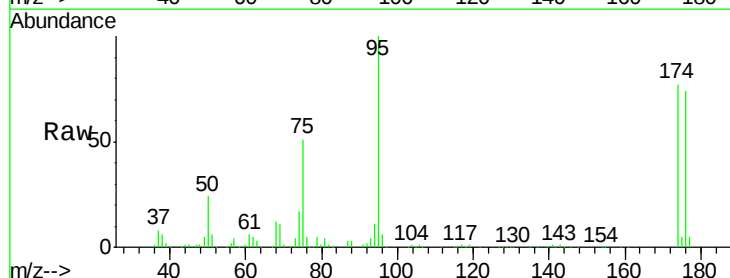
Tgt Ion: 95 Resp: 495550

Ion Ratio Lower Upper

95 100

174 76.7 0.0 167.0

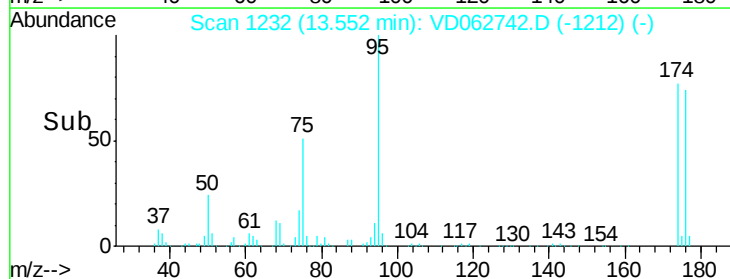
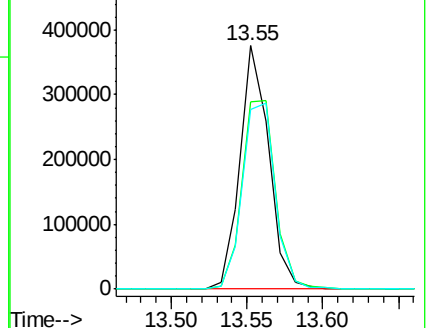
176 73.9 0.0 159.2

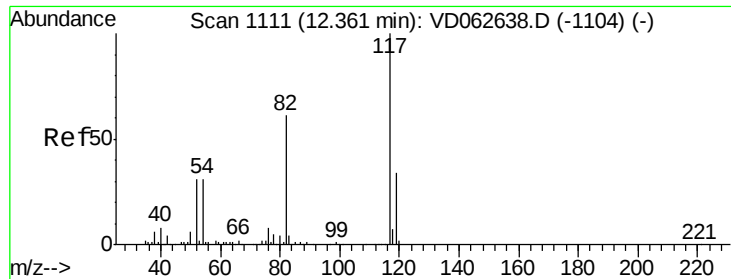


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





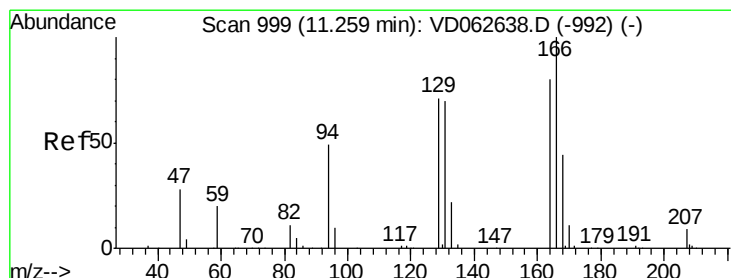
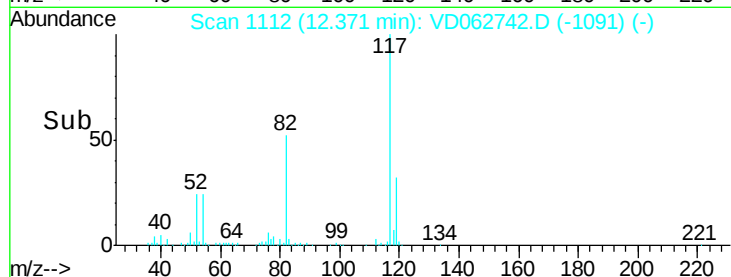
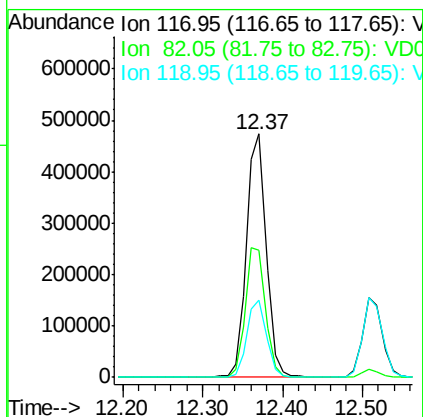
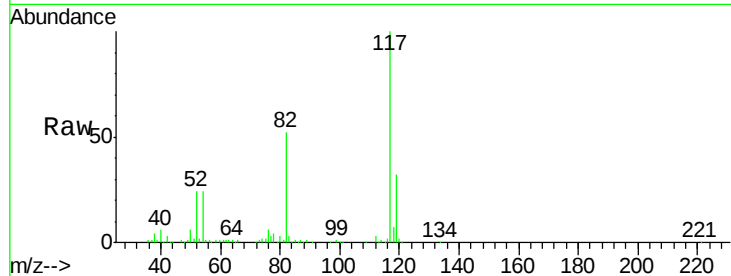
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	803312		
82	52.4		48.7	73.1
119	32.0		27.0	40.6

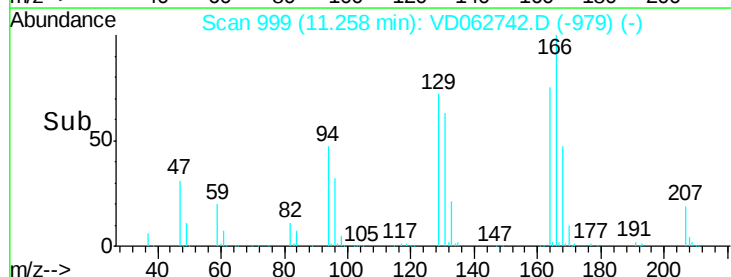
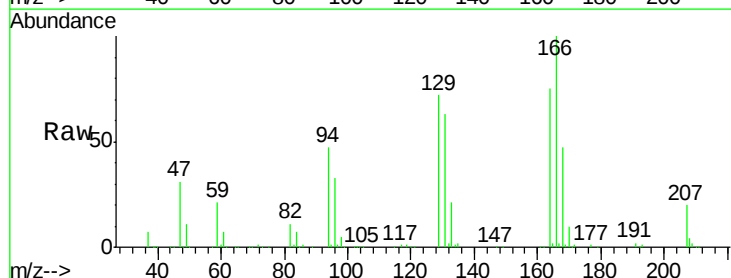
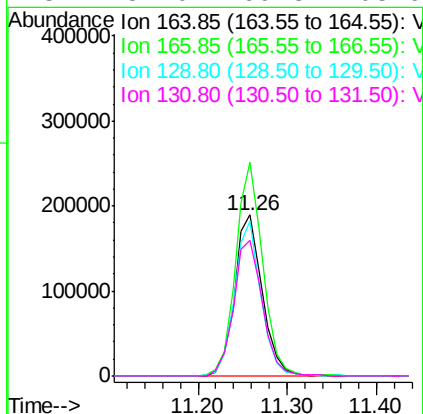
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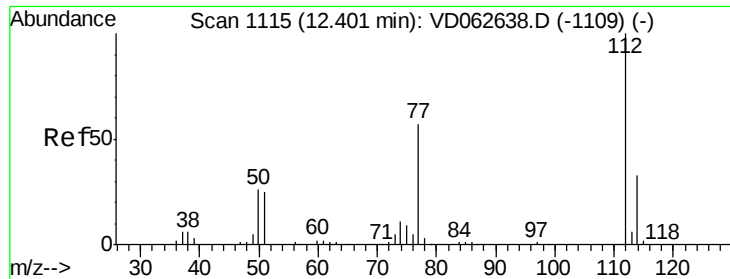
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#64
Tetrachloroethene
Concen: 54.273 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	408126		
166	132.5		99.4	149.2
129	95.9		70.2	105.4
131	84.0		69.3	103.9





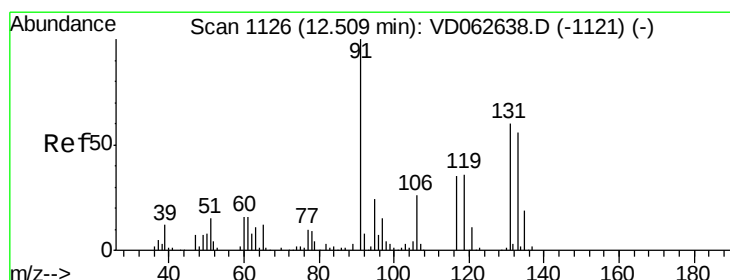
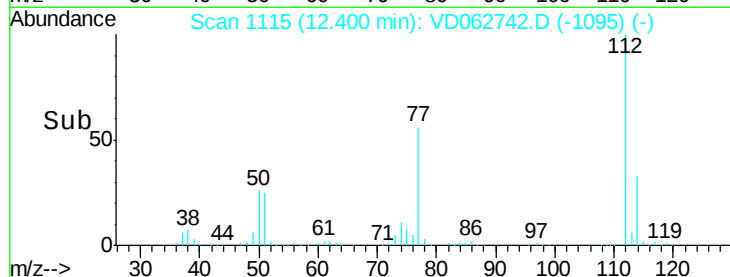
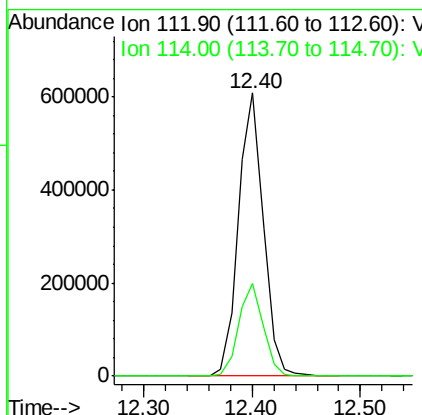
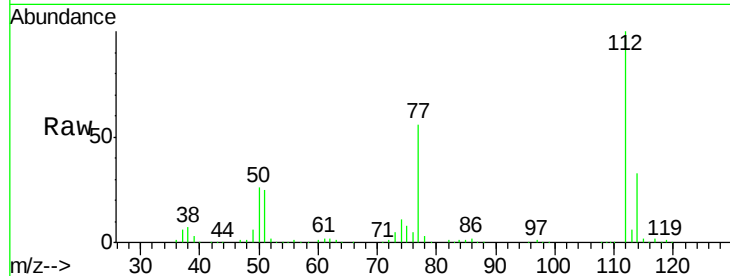
#65
Chlorobenzene
Concen: 54.770 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.3	39.5

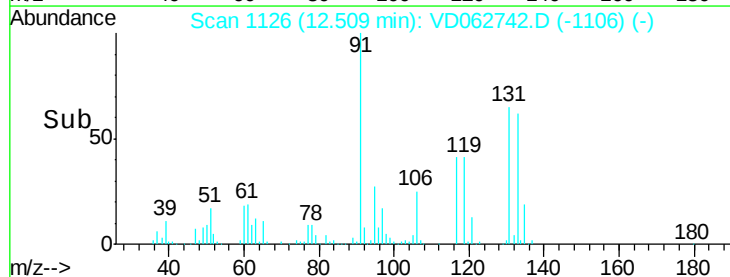
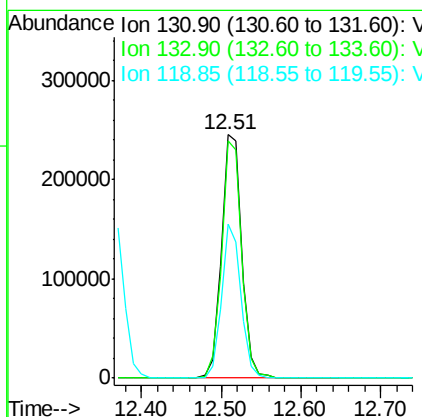
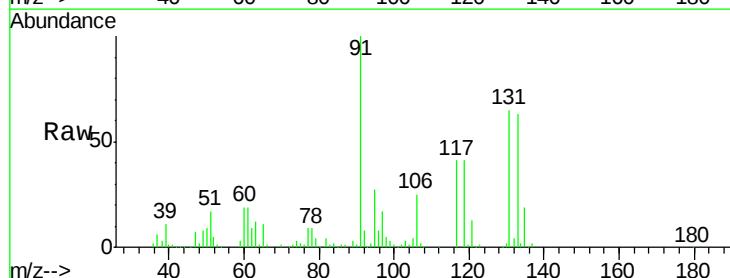
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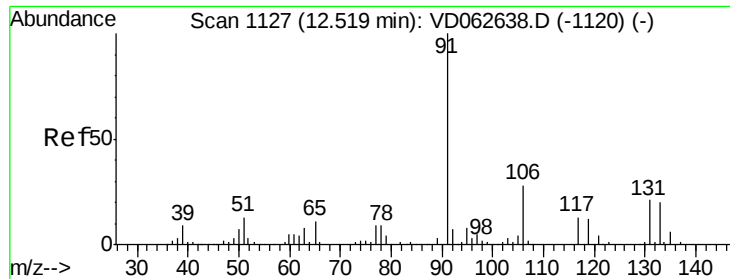
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.993 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	46.8	140.3
119	63.4	29.9	89.8





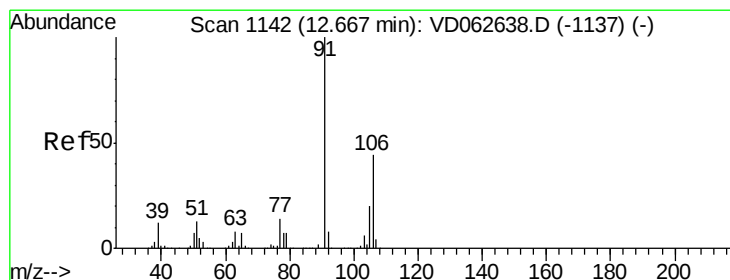
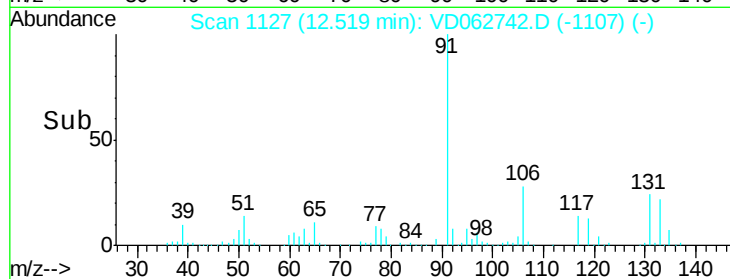
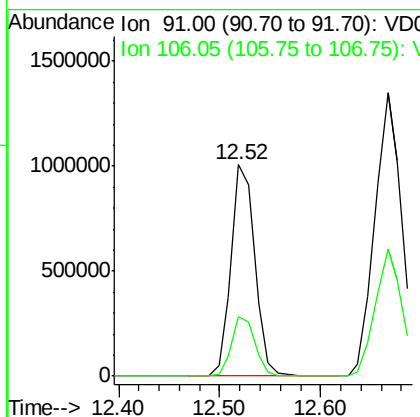
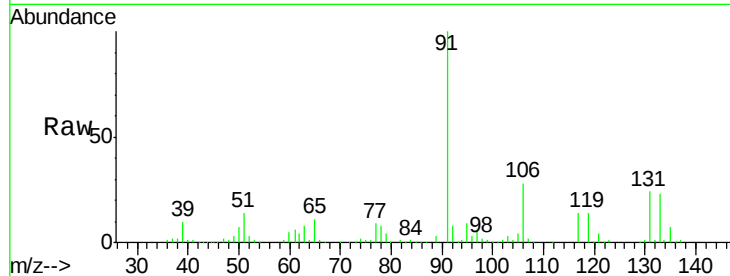
#67
Ethyl Benzene
Concen: 52.234 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1645616
Ion Ratio Lower Upper
91 100
106 28.0 22.1 33.1

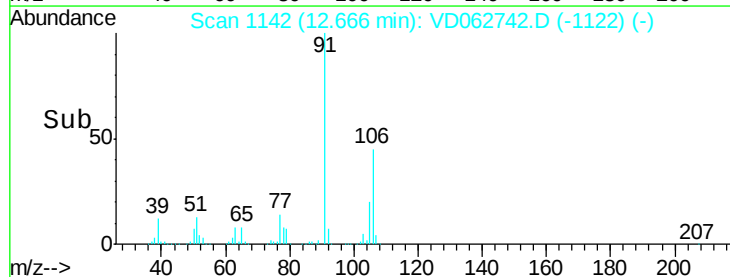
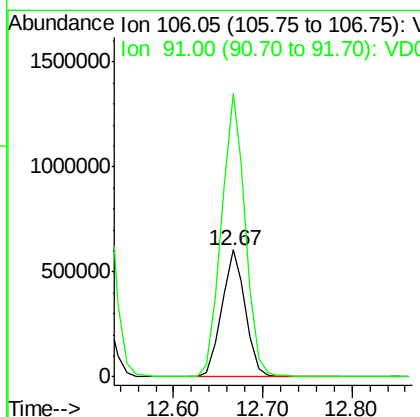
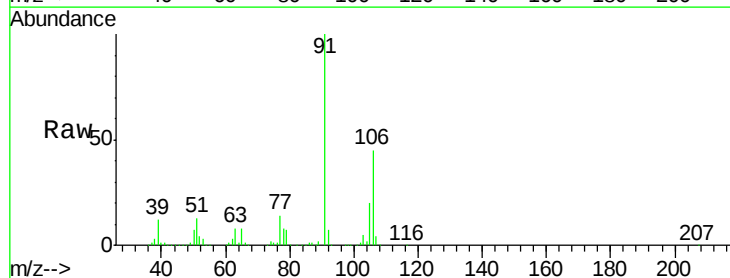
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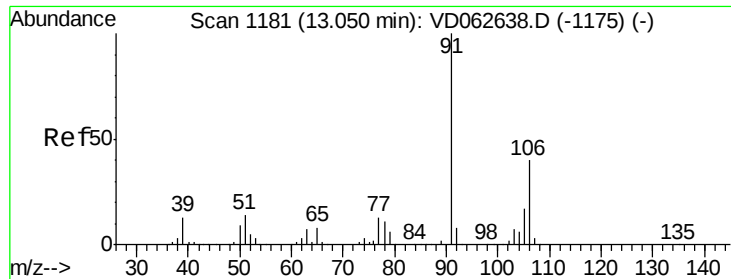
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#68
m/p-Xylenes
Concen: 100.932 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion: 106 Resp: 1117884
Ion Ratio Lower Upper
106 100
91 223.2 180.2 270.4





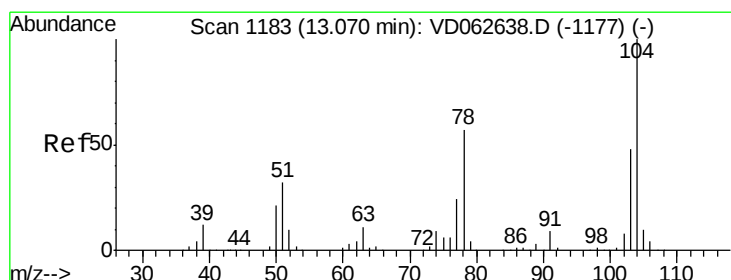
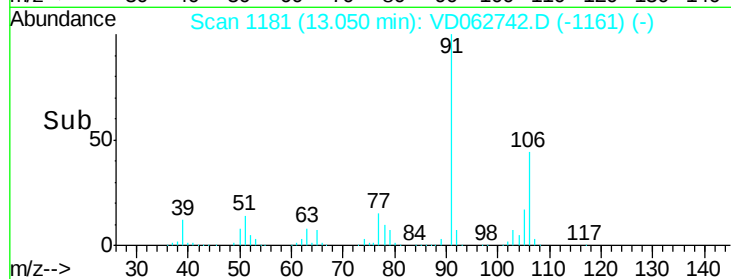
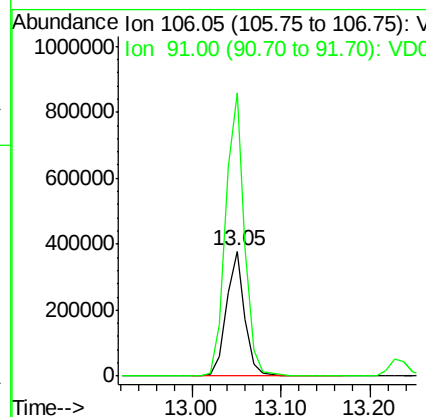
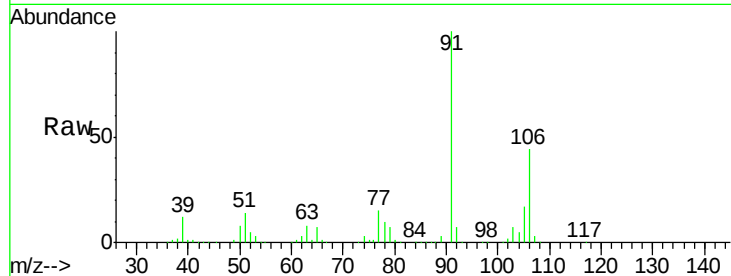
#69
o-Xylene
Concen: 53.777 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 547013
Ion Ratio Lower Upper
106 100
91 226.0 124.1 372.1

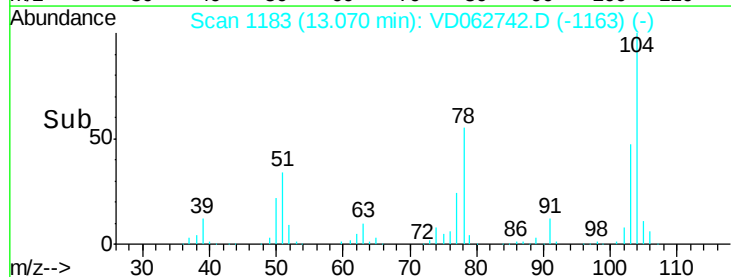
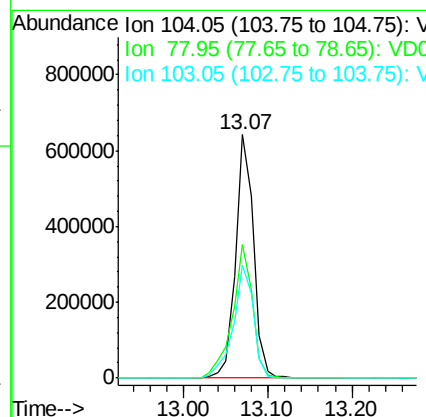
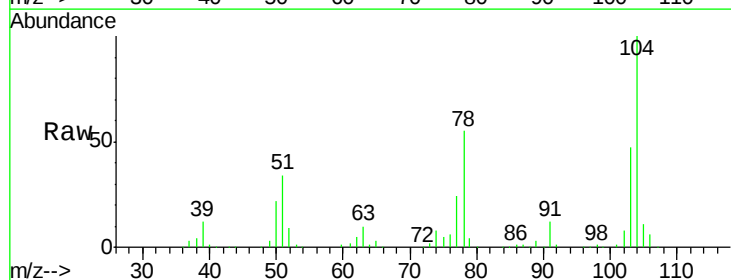
Manual Integrations
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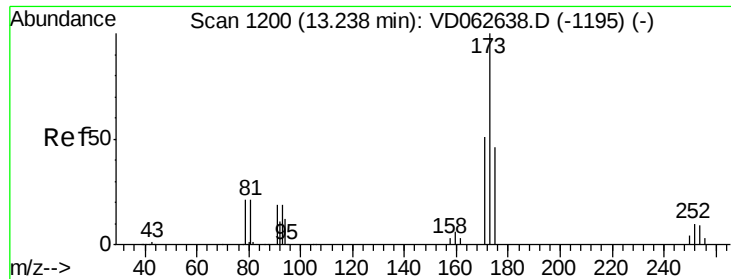
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#70
Styrene
Concen: 52.008 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion:104 Resp: 943924
Ion Ratio Lower Upper
104 100
78 54.8 45.9 68.9
103 46.5 38.4 57.6





#71

Bromoform

Concen: 50.959 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

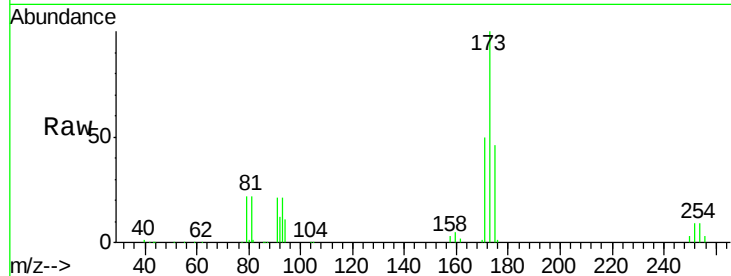
ClientSampleId :

VSTDCCC050

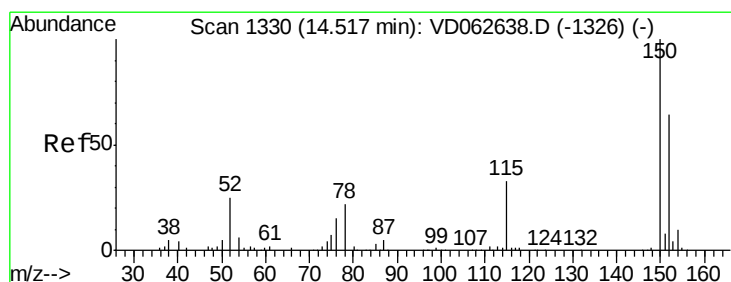
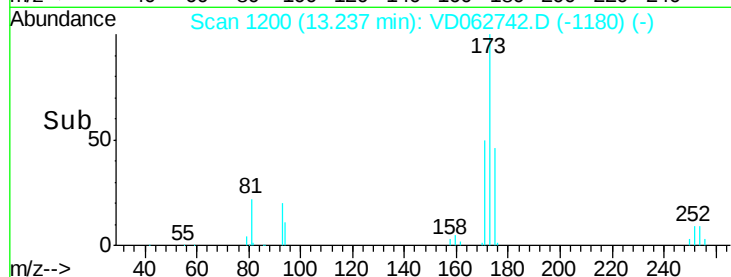
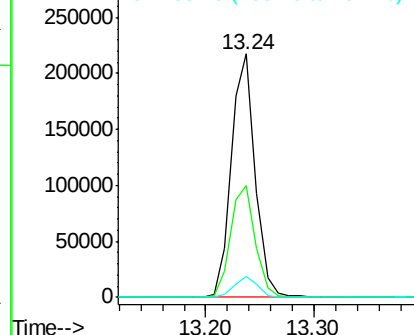
Tot Ion:	173	Resp:	331666
Ion Ratio	Lower	Upper	
173	100		
175	46.0	22.9	68.7
254	8.6	7.0	10.4

Manual Integrations
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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

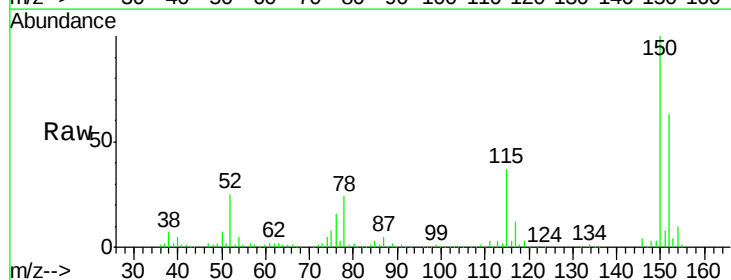
RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

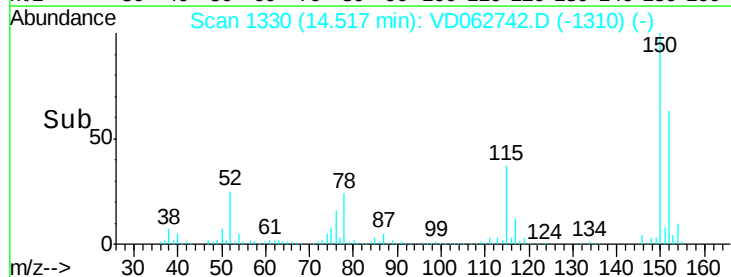
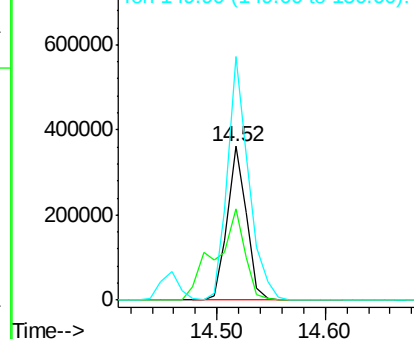
Lab File: VD062742.D

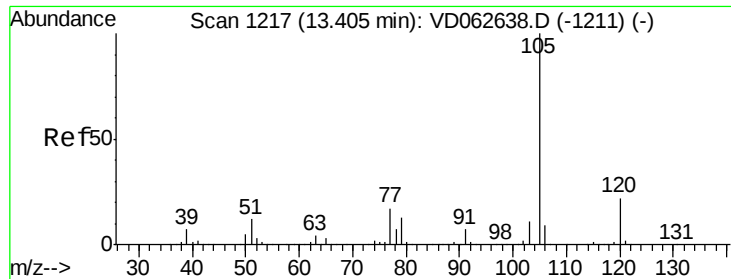
Acq: 18 Jun 2019 11:35

Tgt Ion:	152	Resp:	442982
Ion Ratio	Lower	Upper	
152	100		
115	59.3	30.1	90.5
150	158.7	0.0	314.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.849 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1712563

Ion Ratio Lower Upper

105 100

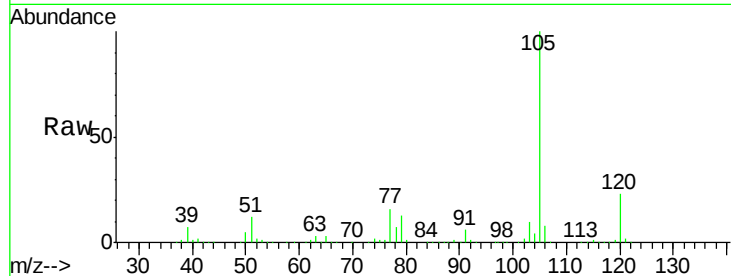
120 22.8 10.9 32.7

Manual Integrations

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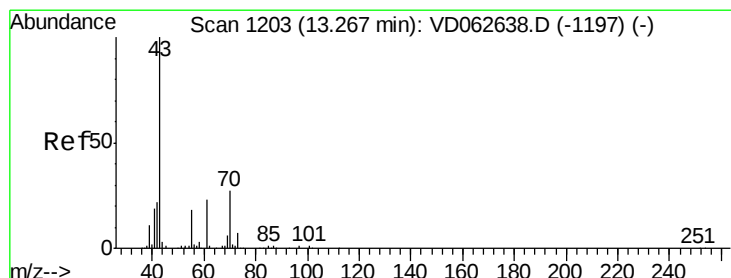
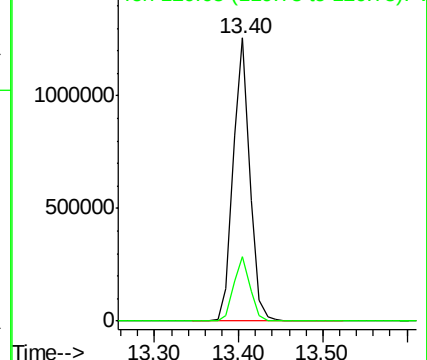
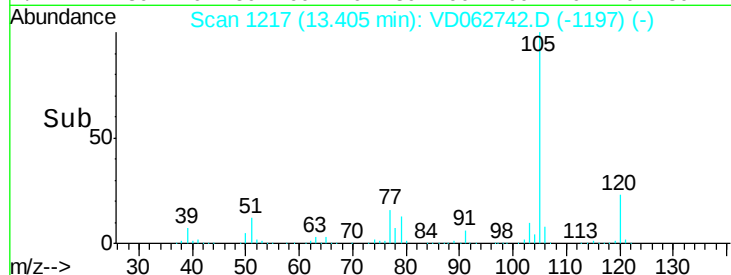
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 57.169 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Tgt Ion: 43 Resp: 482416

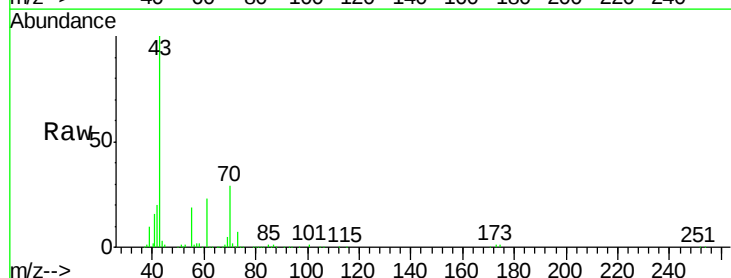
Ion Ratio Lower Upper

43 100

70 28.9 21.8 32.8

55 19.4 14.6 21.8

61 23.1 18.4 27.6

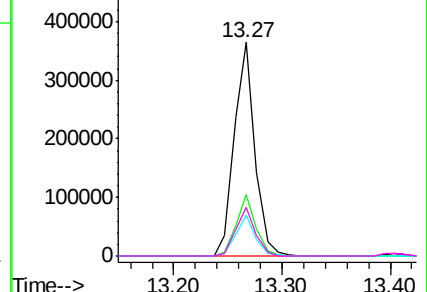
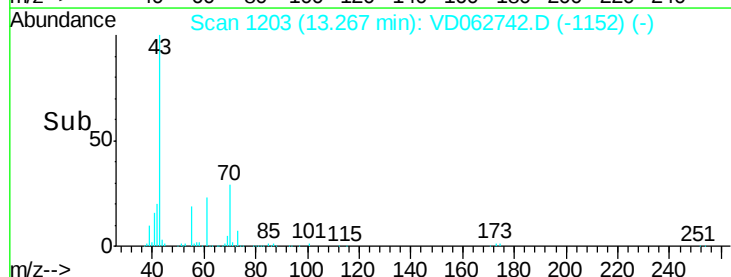


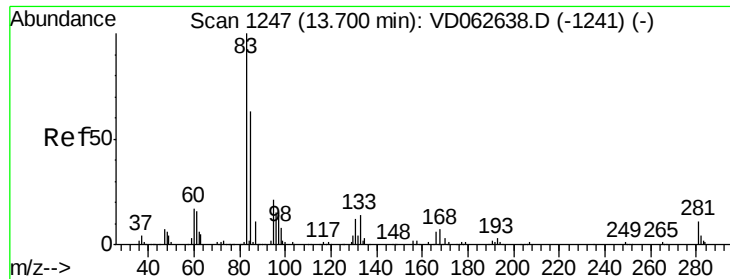
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 55.053 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 294128

Ion Ratio Lower Upper

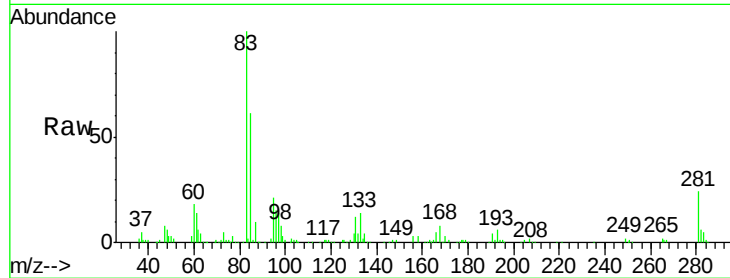
83 100

131 11.9 5.9 17.7

85 60.9 31.3 93.9

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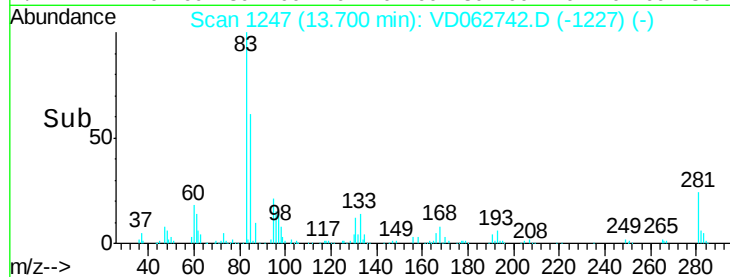


Abundance Ion 82.95 (82.65 to 83.65): VDC

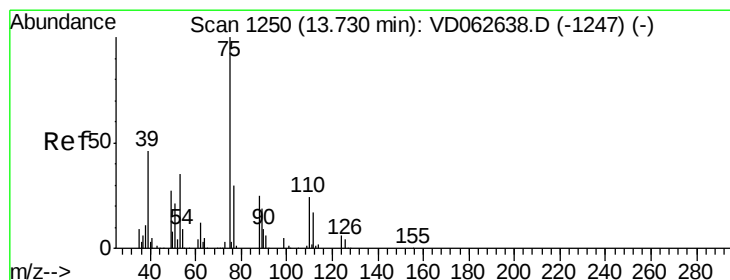
Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 54.229 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062742.D

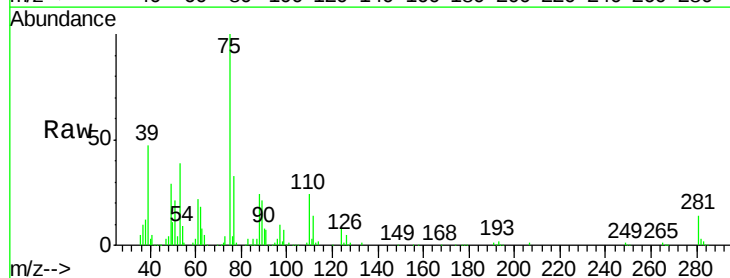
Acq: 18 Jun 2019 11:35

Tgt Ion: 75 Resp: 325720

Ion Ratio Lower Upper

75 100

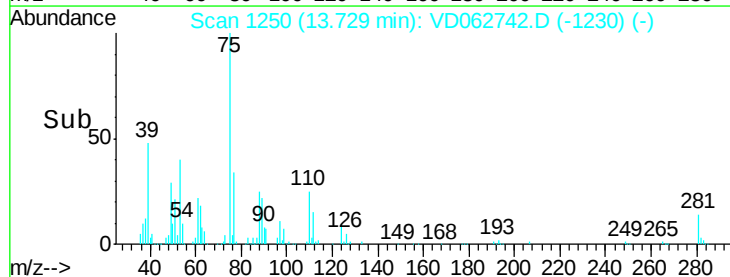
77 33.0 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Time-->



Time-->



#77

Bromobenzene

Concen: 53.285 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

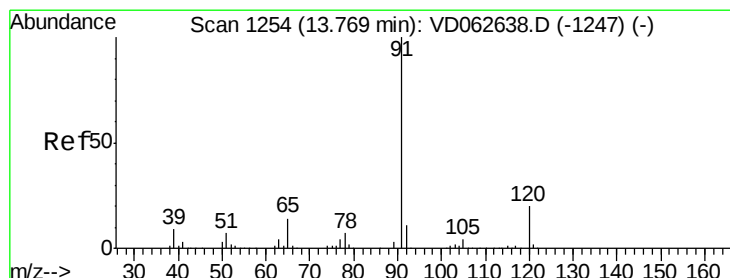
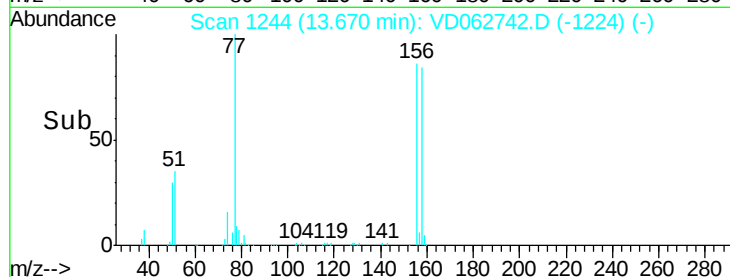
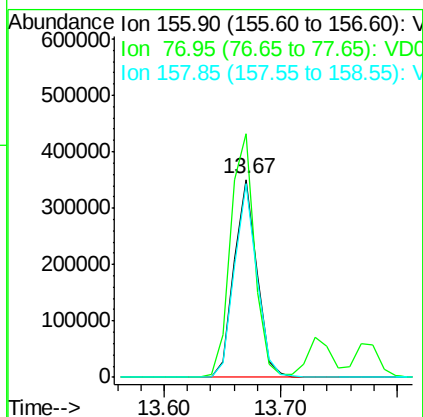
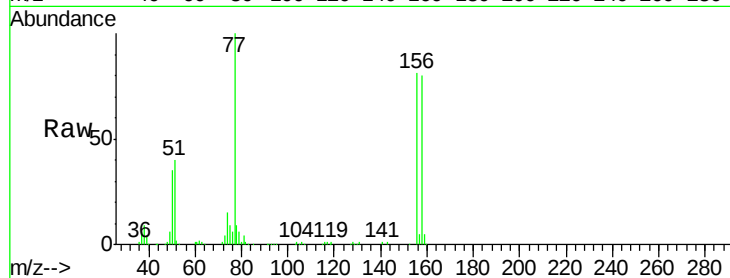
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	475532
Ion Ratio	Lower	Upper	
156	100		
77	123.2	56.3	168.8
158	98.1	49.6	148.8

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#78

n-propylbenzene

Concen: 53.587 ug/l

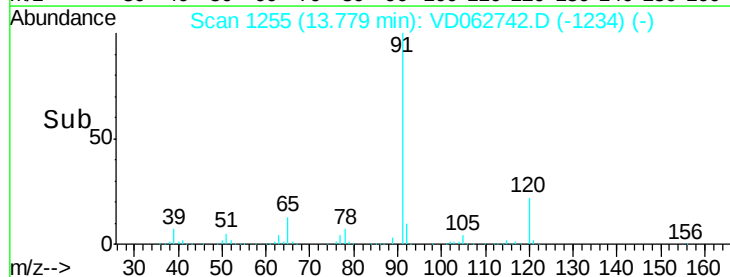
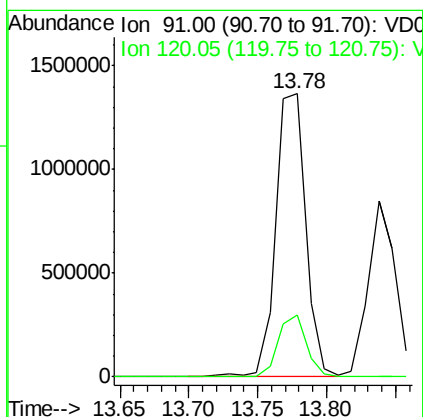
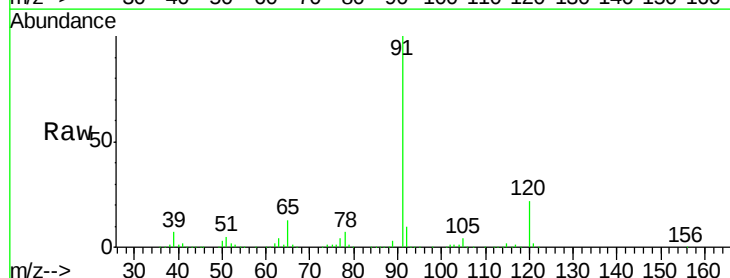
RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Tgt Ion:	91	Resp:	2048055
Ion Ratio	Lower	Upper	
91	100		
120	21.8	9.8	29.5





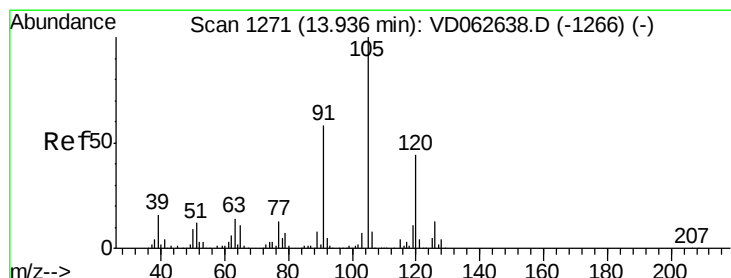
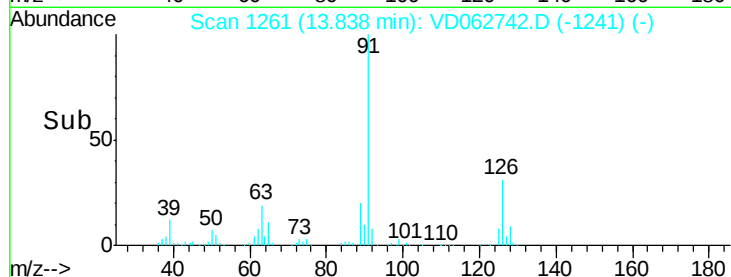
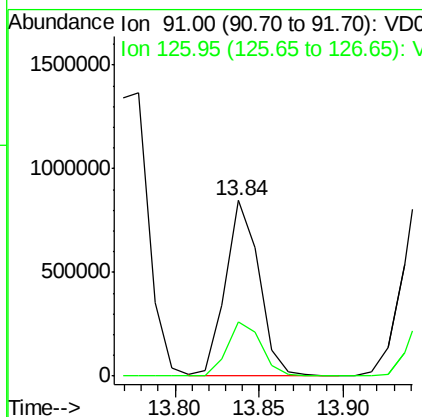
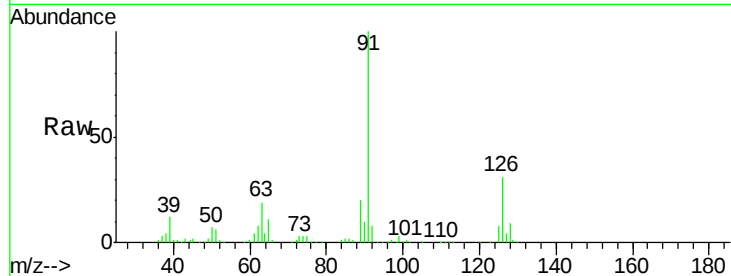
#79
 2-Chlorotoluene
 Concen: 52.150 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1167032
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.8 47.4

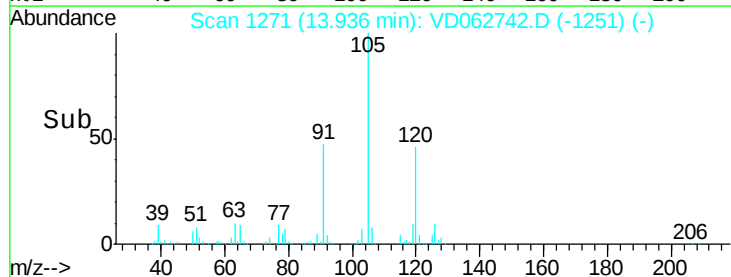
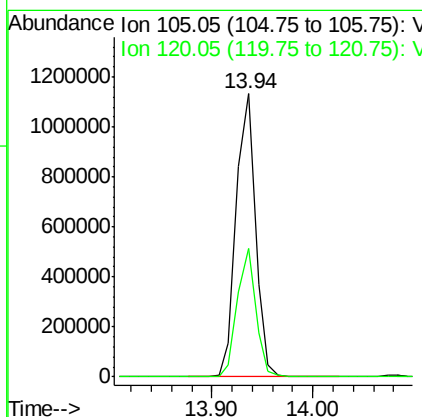
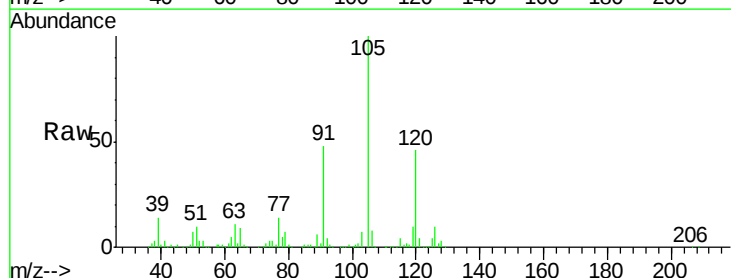
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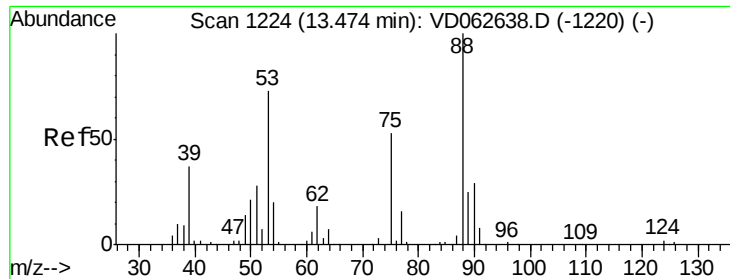
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.408 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

Tgt Ion: 105 Resp: 1501388
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.1 66.5





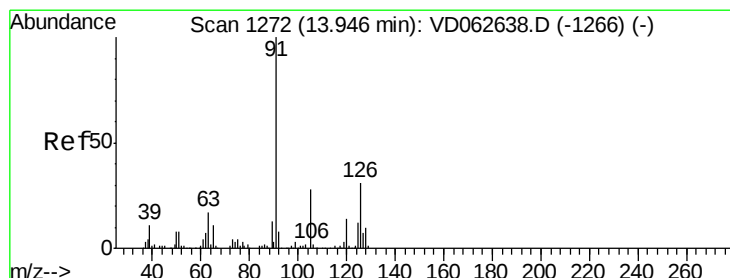
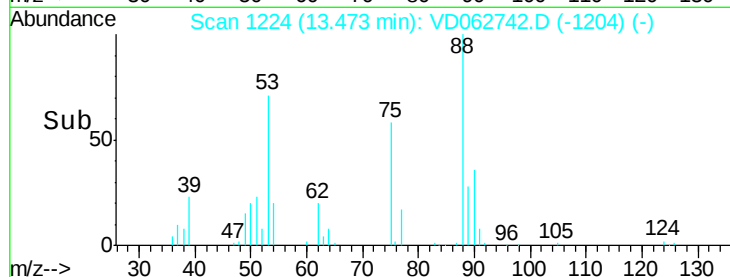
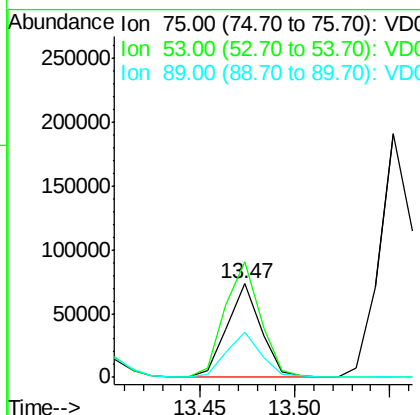
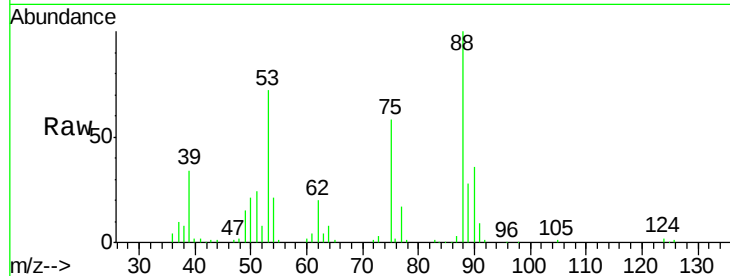
#81
trans-1,4-Dichloro-2-butene
Concen: 51.447 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	124.0	109.4	164.2
89	49.0	37.0	55.6

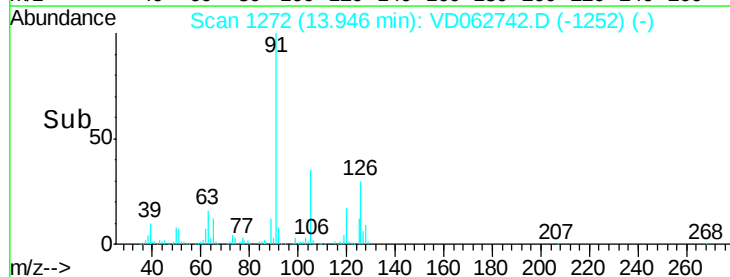
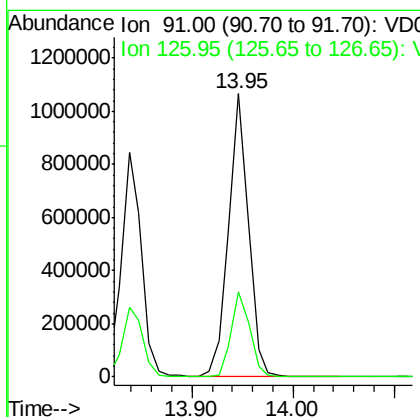
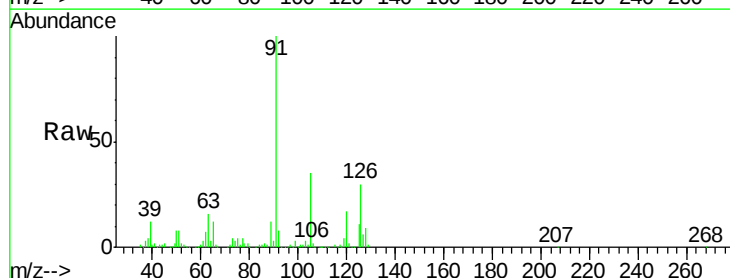
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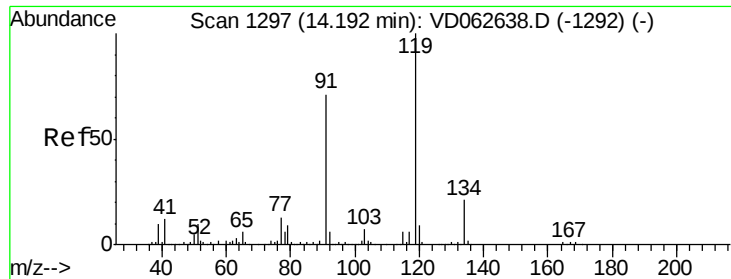
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#82
4-Chlorotoluene
Concen: 54.319 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.9	15.6	46.8





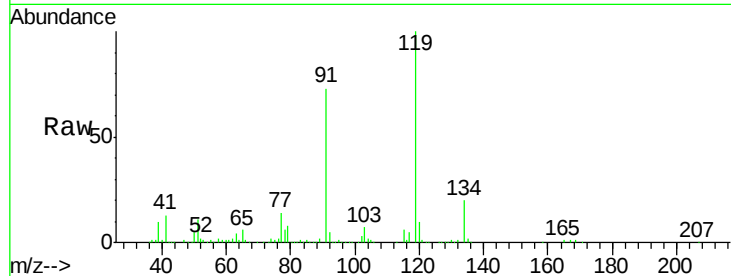
#83
 tert-Butylbenzene
 Concen: 53.496 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

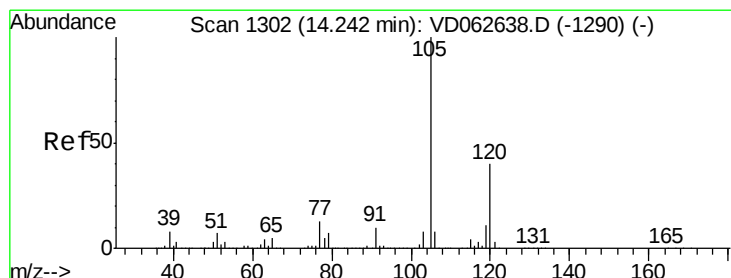
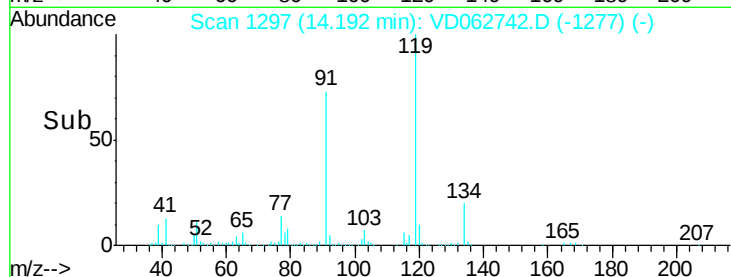
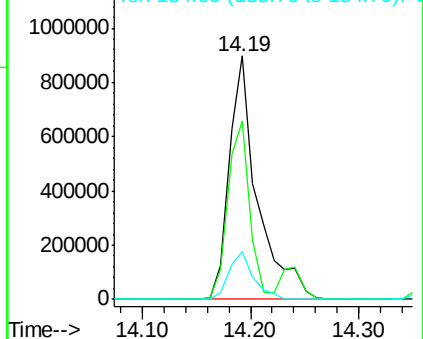
Tot Ion:119 Resp: 1628212
 Ion Ratio Lower Upper
 119 100
 91 73.0 35.4 106.1
 134 19.8 10.8 32.3

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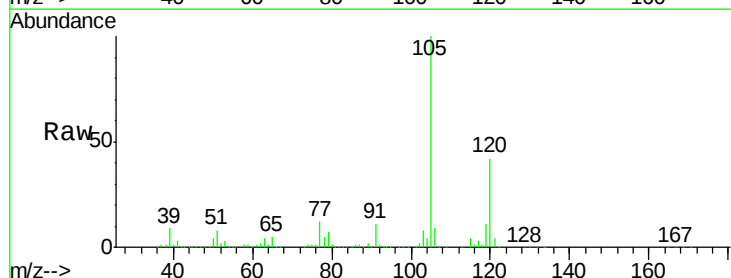


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

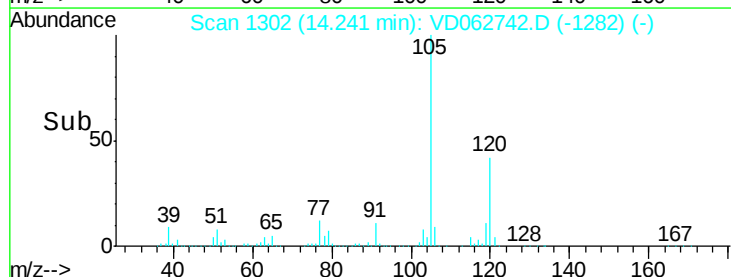
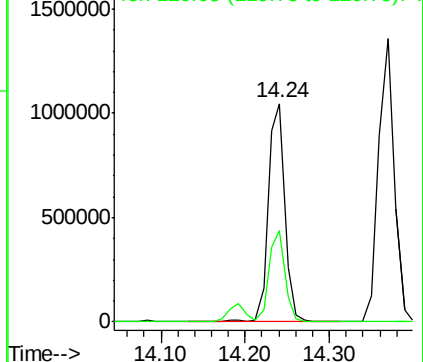


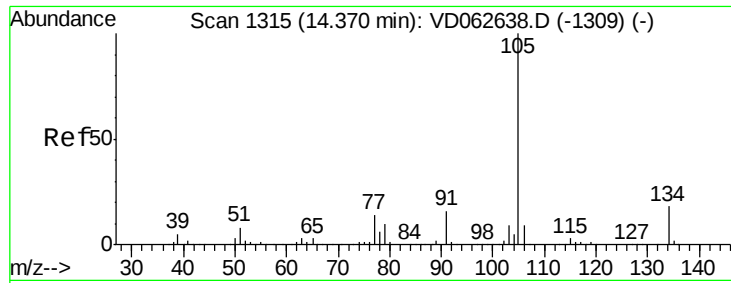
#84
 1,2,4-Trimethylbenzene
 Concen: 53.350 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

Tgt Ion:105 Resp: 1457652
 Ion Ratio Lower Upper
 105 100
 120 42.1 20.3 60.8



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 55.589 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1774145

Ion Ratio Lower Upper

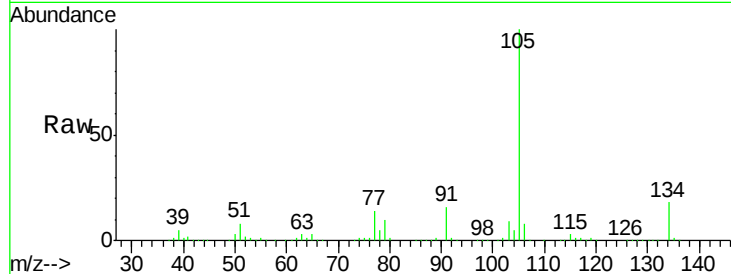
105 100

134 17.5 8.8 26.2

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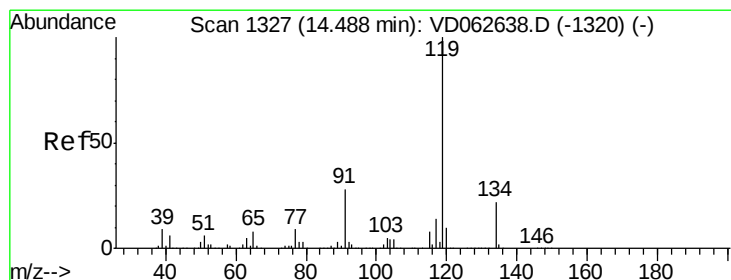
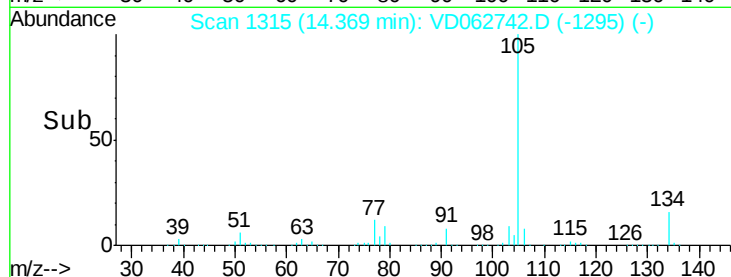
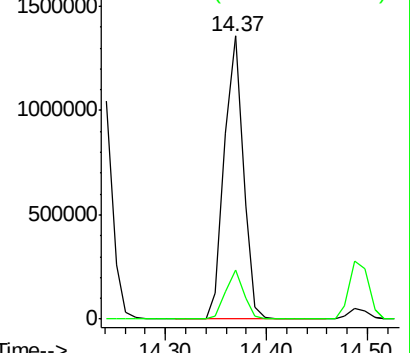
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 54.183 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062742.D

Acq: 18 Jun 2019 11:35

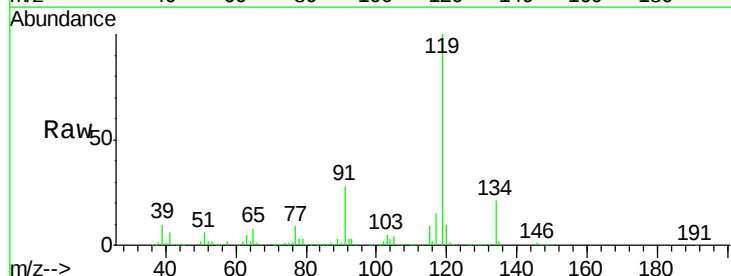
Tgt Ion:119 Resp: 1683658

Ion Ratio Lower Upper

119 100

134 21.3 10.9 32.6

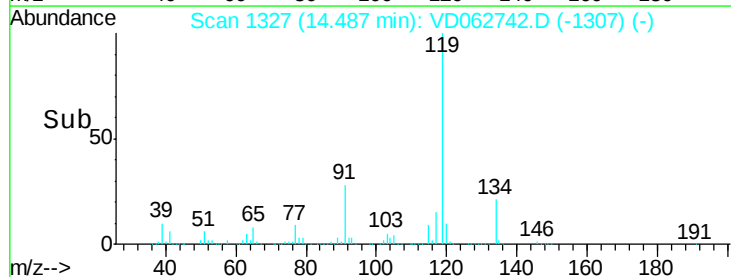
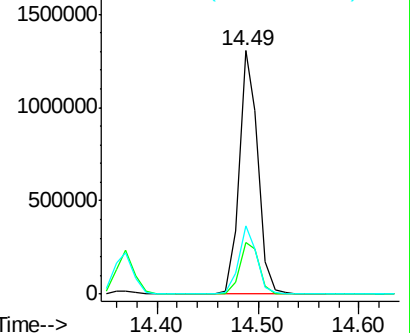
91 28.2 13.9 41.6

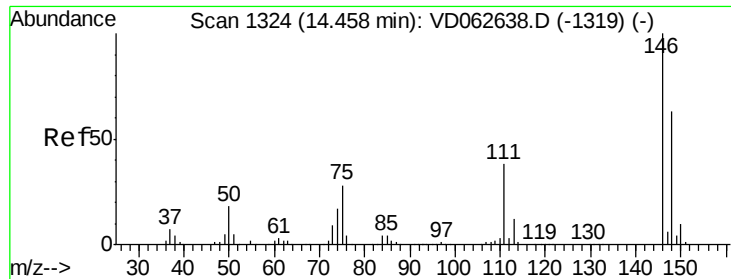


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





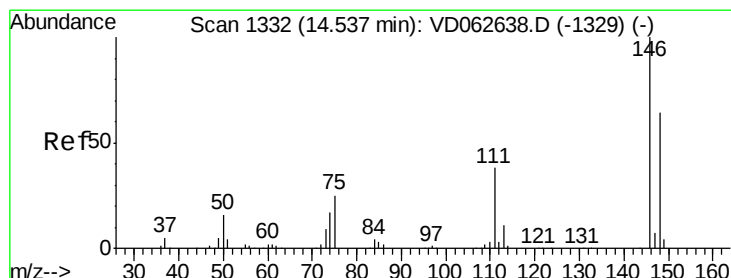
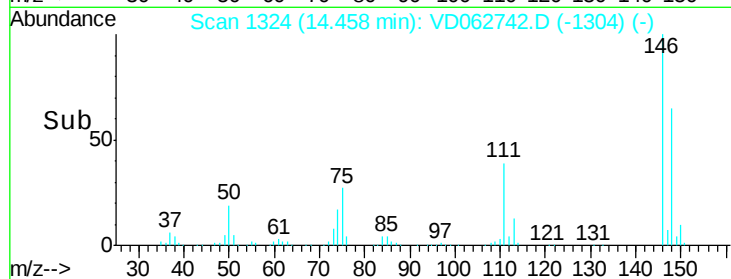
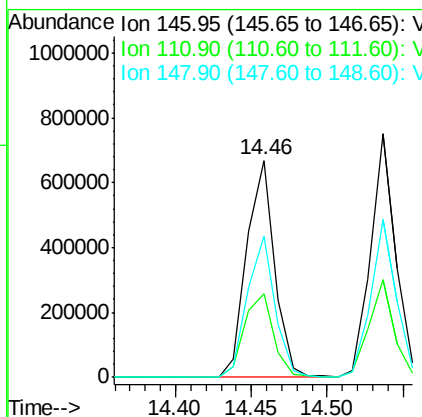
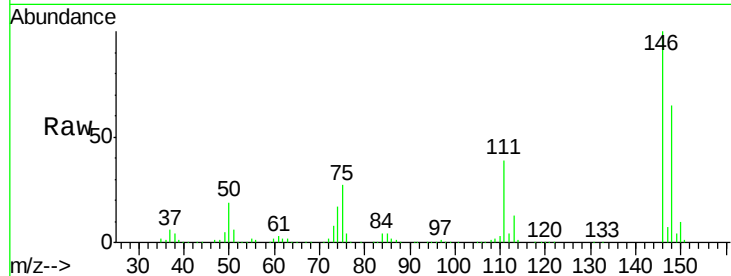
#87
 1,3-Dichlorobenzene
 Concen: 53.282 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.2	57.6
148	64.8	31.6	95.0

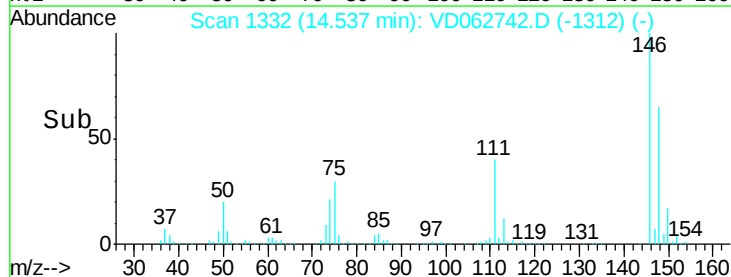
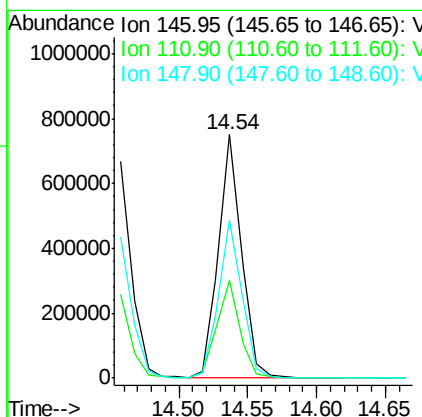
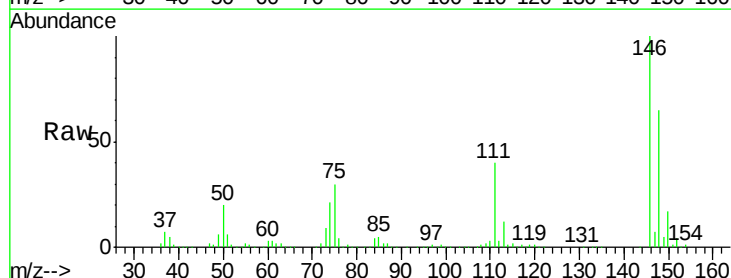
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#88
 1,4-Dichlorobenzene
 Concen: 56.803 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.9	56.7
148	65.0	32.3	96.8





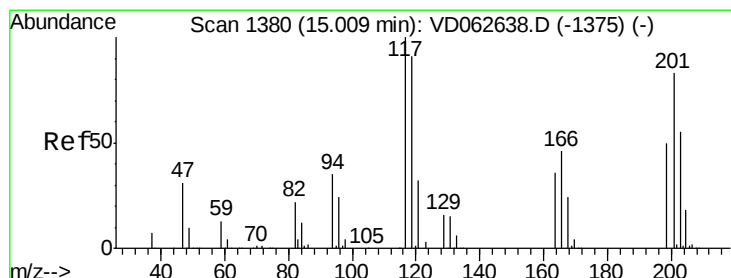
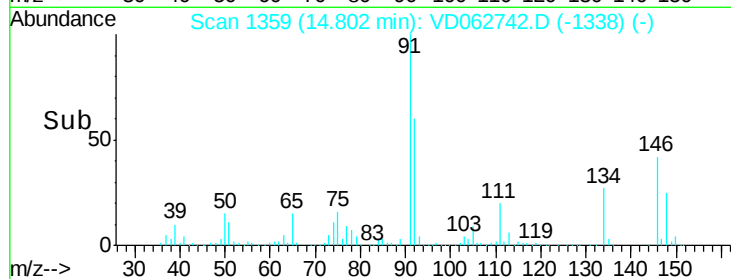
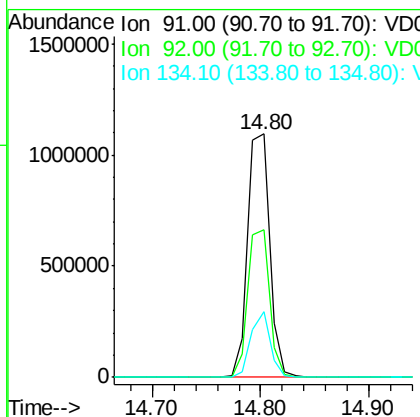
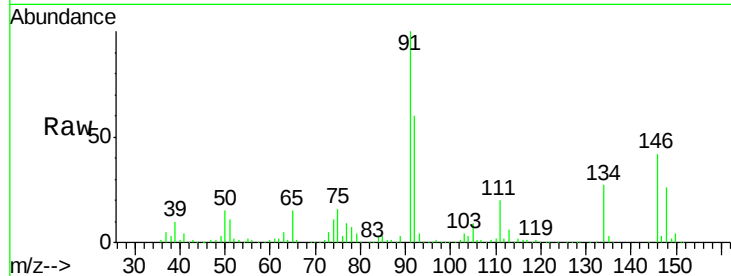
#89
n-Butylbenzene
Concen: 55.389 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.4	29.4	88.3
134	27.2	10.4	31.2

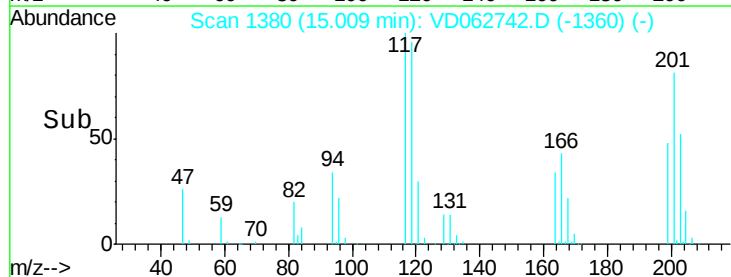
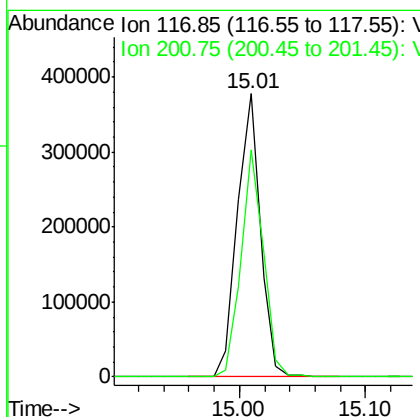
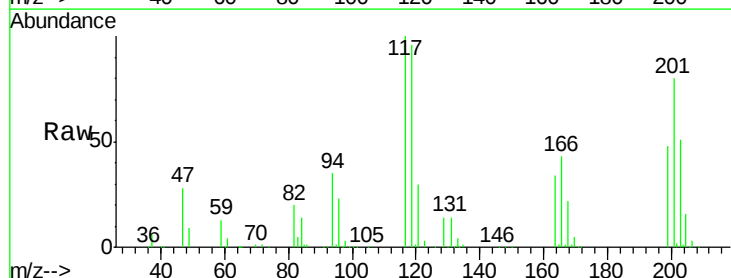
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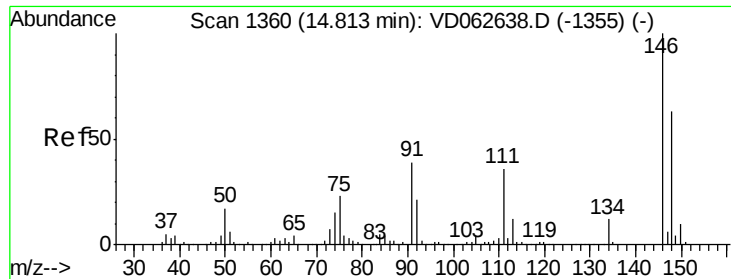
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#90
Hexachloroethane
Concen: 57.774 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.3	41.5	124.6





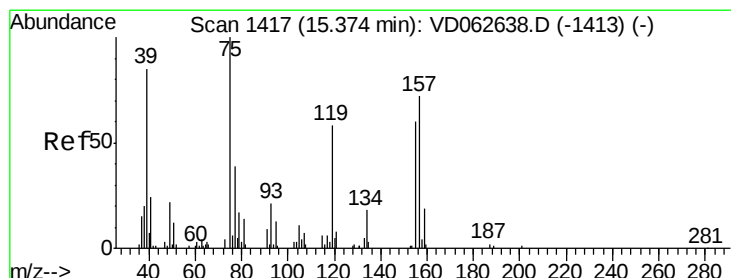
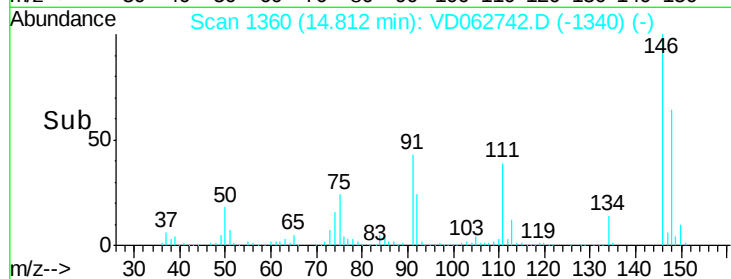
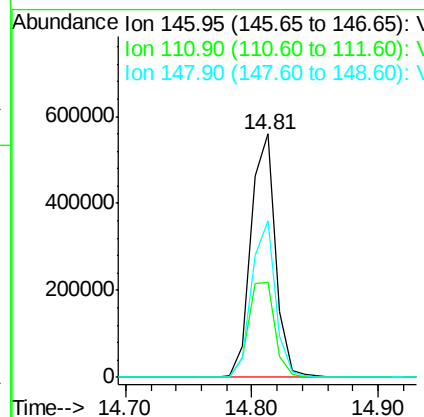
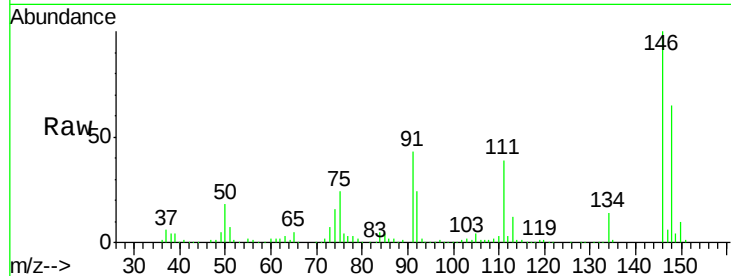
#91
 1,2-Dichlorobenzene
 Concen: 55.966 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.1	54.3
148	64.5	31.4	94.0

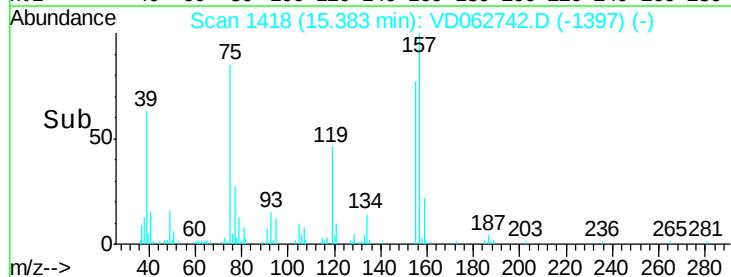
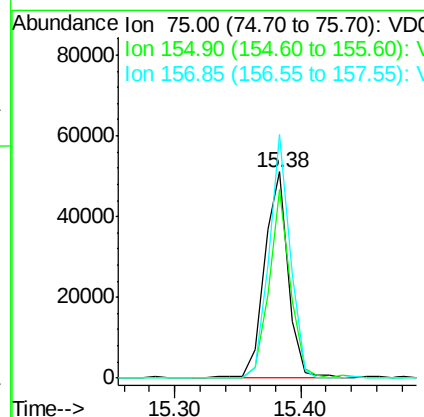
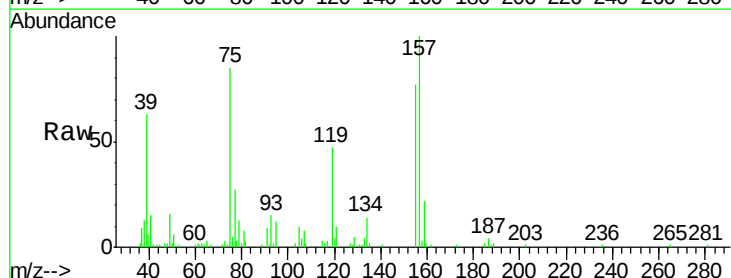
Manual Integrations
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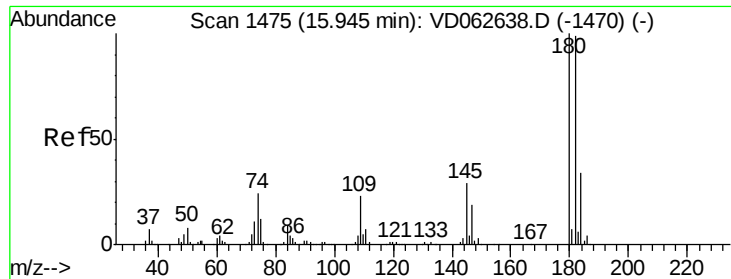
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.690 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	30.1	90.5#
157	118.3	35.9	107.8#





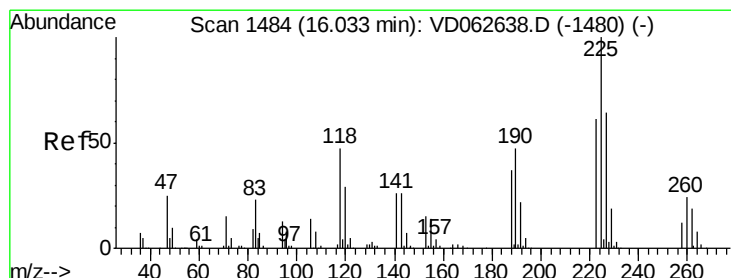
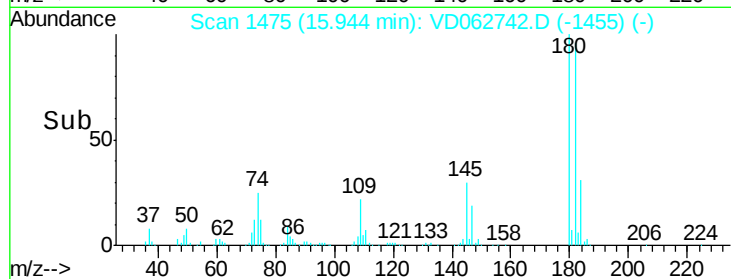
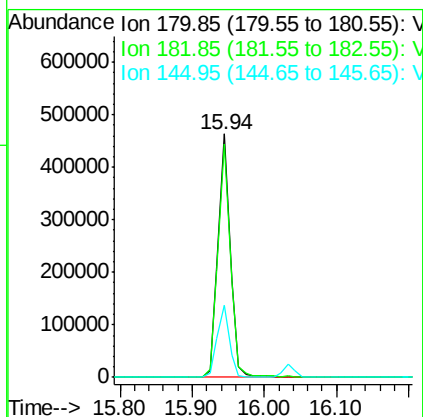
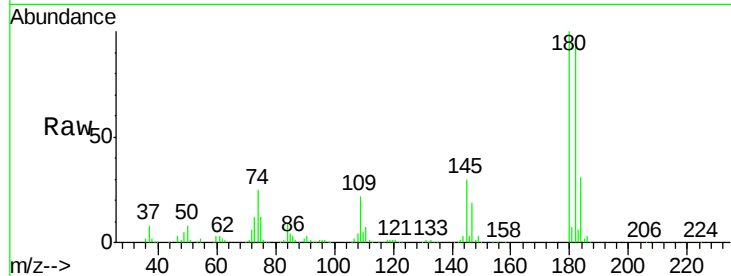
#93
 1,2,4-Trichlorobenzene
 Concen: 47.722 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	49.4	148.2
145	29.6	14.5	43.6

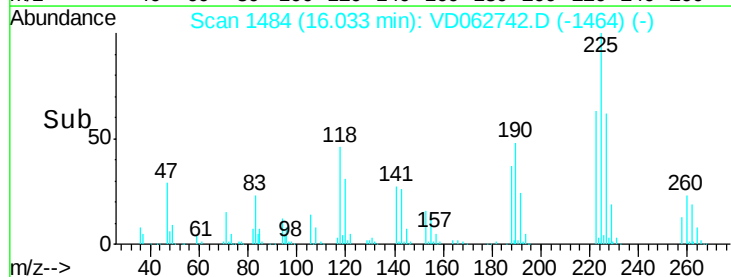
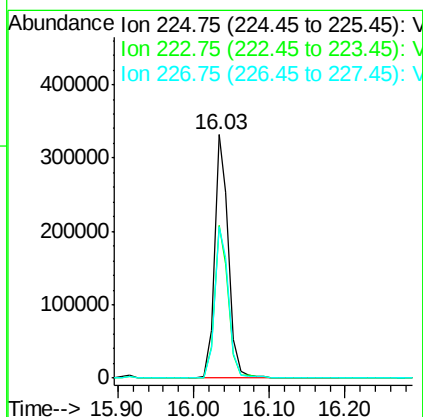
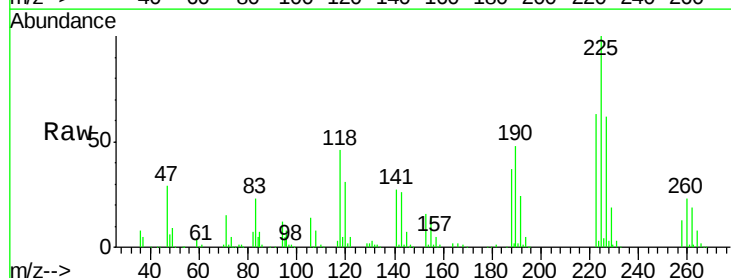
Manual Integrations
 APPROVED

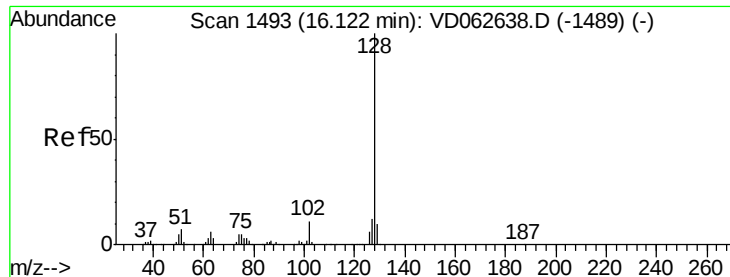
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#94
 Hexachlorobutadiene
 Concen: 54.538 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062742.D
 Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.3	91.0
227	62.4	31.8	95.4





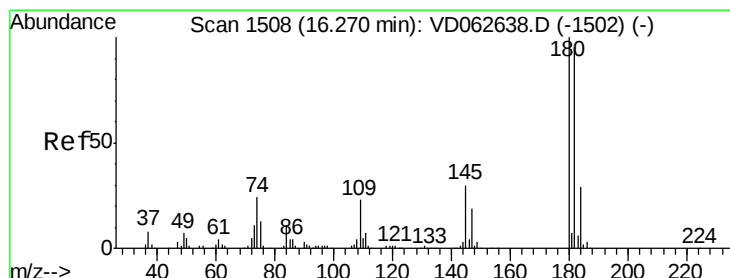
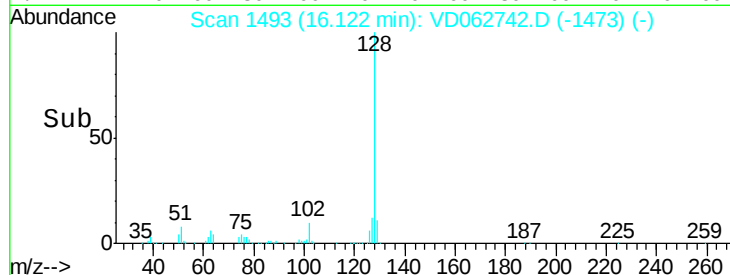
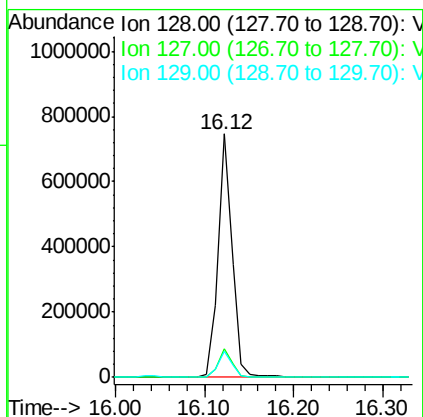
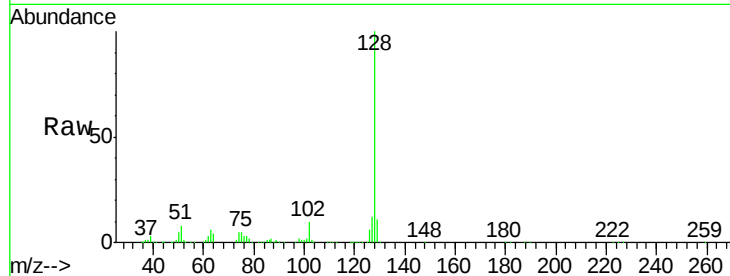
#95
Naphthalene
Concen: 51.353 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.7	14.5
129	10.6	8.1	12.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 56.381 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062742.D
Acq: 18 Jun 2019 11:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.7	143.1
145	30.1	15.0	45.0

