

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032319\
 Data File : VD061277.D
 Acq On : 23 Mar 2019 13:39
 Operator : VA/AP
 Sample : VD0323SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 2:40:33 PM

Quant Time: Mar 25 07:06:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	616478	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	1076471	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	900267	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	388379	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	251723	49.06	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	6.94	113	401581	50.27	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.43	98	908155	45.27	ug/l	0.03
Spiked Amount	50.000		Recovery	=	90.54%	
62) 4-Bromofluorobenzene	13.57	95	393295	50.52	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	122803	20.110	ug/l	98
3) Chloromethane	1.77	50	104176	20.479	ug/l	94
4) Vinyl Chloride	1.86	62	93251	19.838	ug/l	98
5) Bromomethane	2.16	94	17328	18.078	ug/l	89
6) Chloroethane	2.27	64	26562	18.879	ug/l #	88
7) Trichlorofluoromethane	2.54	101	149578	22.151	ug/l	97
8) Diethyl Ether	2.89	74	49918	22.409	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	171432	22.708	ug/l	99
10) Methyl Iodide	3.32	142	190129	20.148	ug/l	98
11) Tert butyl alcohol	4.09	59	38294	117.222	ug/l	99
12) 1,1-Dichloroethene	3.14	96	135142	21.839	ug/l	96
13) Acrolein	3.06	56	24391	51.602	ug/l	97
14) Allyl chloride	3.64	41	200854	20.286	ug/l	96
15) Acrylonitrile	4.22	53	125314	108.536	ug/l	96
16) Acetone	3.23	43	167122	113.891	ug/l	100
17) Carbon Disulfide	3.39	76	395008	18.923	ug/l	99
18) Methyl Acetate	3.66	43	58813	20.366	ug/l #	92
19) Methyl tert-butyl Ether	4.26	73	264616	24.400	ug/l	95
20) Methylene Chloride	3.83	84	161606	21.495	ug/l	95
21) trans-1,2-Dichloroethene	4.25	96	147638	22.043	ug/l	91
22) Diisopropyl ether	5.14	45	441074	21.460	ug/l	95
23) Vinyl Acetate	5.08	43	1202821	113.999	ug/l	99
24) 1,1-Dichloroethane	5.02	63	240329	21.341	ug/l	99
25) 2-Butanone	6.10	43	184947	111.074	ug/l	98
26) 2,2-Dichloropropane	6.05	77	195461	22.234	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	161426	22.716	ug/l	92
28) Bromochloromethane	6.46	49	91893	19.275	ug/l	100
29) Tetrahydrofuran	6.48	42	101307	112.048	ug/l	98
30) Chloroform	6.69	83	268633	23.016	ug/l	98
31) Cyclohexane	6.98	56	196217	21.609	ug/l	95
32) 1,1,1-Trichloroethane	6.90	97	224601	22.259	ug/l	99
36) 1,1-Dichloropropene	7.17	75	200328	21.589	ug/l	97
37) Ethyl Acetate	6.21	43	88468	20.317	ug/l	95
38) Carbon Tetrachloride	7.13	117	279297m	27.325	ug/l	

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 3/26/2019 2:40:33 PM

Quant Time: Mar 25 07:06:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	204053	21.208	ug/l	95
40) Benzene	7.48	78	481420	20.763	ug/l	98
41) Methacrylonitrile	6.46	41	107406	21.445	ug/l #	95
42) 1,2-Dichloroethane	7.60	62	149665	22.243	ug/l	96
43) Isopropyl Acetate	9.26	43	125927	20.880	ug/l #	98
44) Trichloroethene	8.56	130	184674	23.087	ug/l	95
45) 1,2-Dichloropropane	8.96	63	133648	21.940	ug/l	98
46) Dibromomethane	9.08	93	84374	21.836	ug/l	96
47) Bromodichloromethane	9.40	83	193510	22.193	ug/l	96
48) Methyl methacrylate	9.14	41	74116	21.827	ug/l	96
49) 1,4-Dioxane	9.09	88	15779	459.550	ug/l	93
51) 4-Methyl-2-Pentanone	10.32	43	386629	104.645	ug/l	95
52) Toluene	10.53	92	315895	21.910	ug/l	96
53) t-1,3-Dichloropropene	10.93	75	169052	21.203	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	215847	22.532	ug/l	99
55) 1,1,2-Trichloroethane	11.21	97	109595	22.825	ug/l	97
56) Ethyl methacrylate	11.06	69	115448	22.971	ug/l	99
57) 1,3-Dichloropropane	11.42	76	146317	20.392	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	269071	101.145	ug/l	100
59) 2-Hexanone	11.55	43	295688	109.407	ug/l	96
60) Dibromochloromethane	11.70	129	157000	22.218	ug/l	100
61) 1,2-Dibromoethane	11.82	107	120393	21.555	ug/l	98
64) Tetrachloroethene	11.28	164	126120	20.753	ug/l	99
65) Chlorobenzene	12.42	112	404356	22.911	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	134022	21.304	ug/l	95
67) Ethyl Benzene	12.54	91	550871	20.966	ug/l	99
68) m/p-Xylenes	12.68	106	412390	39.988	ug/l	98
69) o-Xylene	13.06	106	213866	21.097	ug/l	94
70) Styrene	13.09	104	346536	20.935	ug/l	97
71) Bromoform	13.24	173	90696	22.348	ug/l #	93
73) Isopropylbenzene	13.41	105	599998	21.436	ug/l	98
74) N-amyl acetate	13.27	43	155427	19.721	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	114002	20.876	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	119248	21.342	ug/l	100
77) Bromobenzene	13.68	156	162936	22.804	ug/l	83
78) n-propylbenzene	13.79	91	722738	22.057	ug/l	99
79) 2-Chlorotoluene	13.86	91	371123	20.572	ug/l	95
80) 1,3,5-Trimethylbenzene	14.25	105	447896	21.079	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.49	75	31197	18.938	ug/l	99
82) 4-Chlorotoluene	13.95	91	458215	21.486	ug/l	91
83) tert-Butylbenzene	14.20	119	566807	24.374	ug/l	94
84) 1,2,4-Trimethylbenzene	14.25	105	447896	21.079	ug/l	99
85) sec-Butylbenzene	14.38	105	599441	21.115	ug/l	95
86) p-Isopropyltoluene	14.51	119	492153	21.209	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	269547	21.127	ug/l	95
88) 1,4-Dichlorobenzene	14.55	146	282462	22.530	ug/l	97
89) n-Butylbenzene	14.81	91	500572	22.463	ug/l	98
90) Hexachloroethane	15.02	117	143738	21.936	ug/l	77
91) 1,2-Dichlorobenzene	14.82	146	254158	23.896	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12722	19.332	ug/l	88

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ClientSampleId :
VD0323SBS01

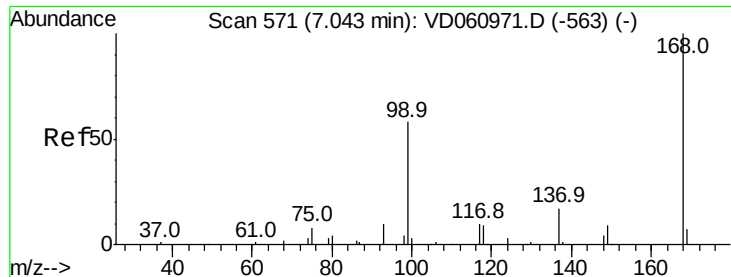
Manual Integrations
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3/26/2019 2:40:33 PM

Quant Time: Mar 25 07:06:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	114569	23.220	ug/l	98
94) Hexachlorobutadiene	16.05	225	86879	23.279	ug/l	98
95) Naphthalene	16.14	128	185022	24.676	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	54306	22.284	ug/l	95

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



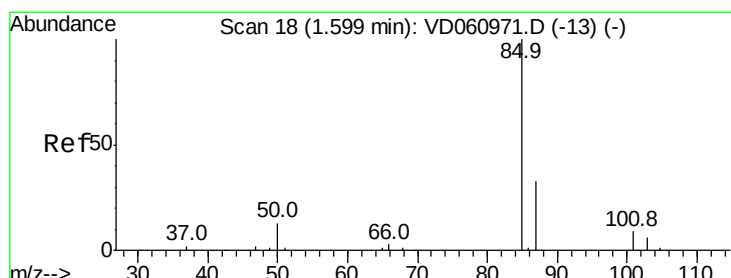
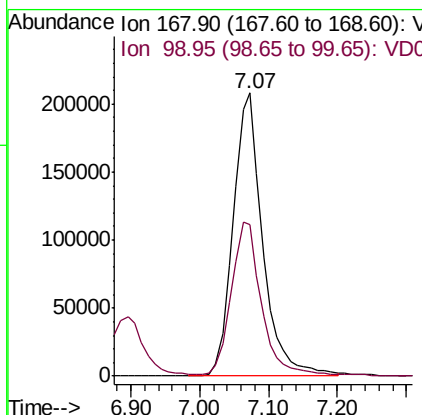
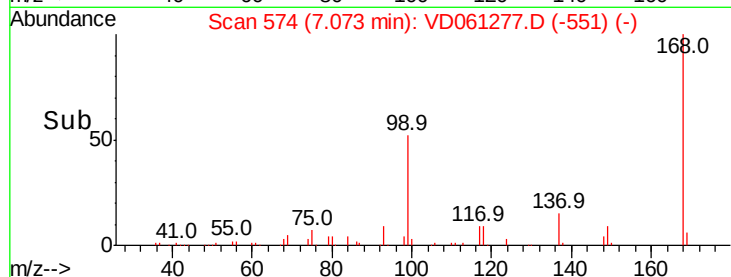
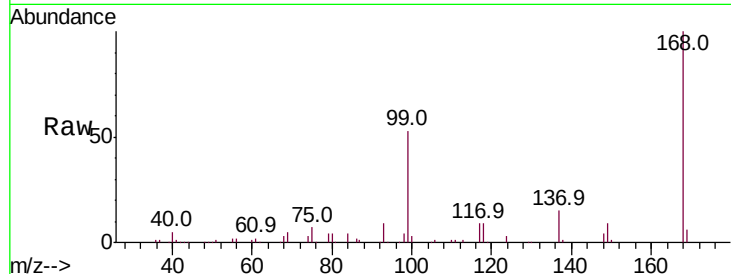
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.07 min Scan# 574
Delta R.T. 0.03 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion:168 Resp: 616478
Ion Ratio Lower Upper
168 100
99 53.4 47.3 70.9

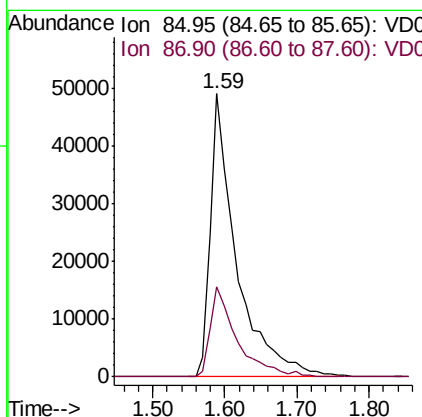
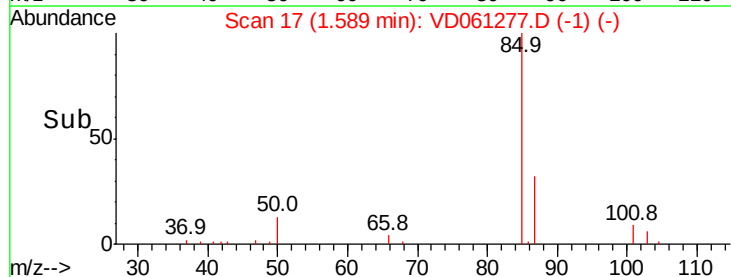
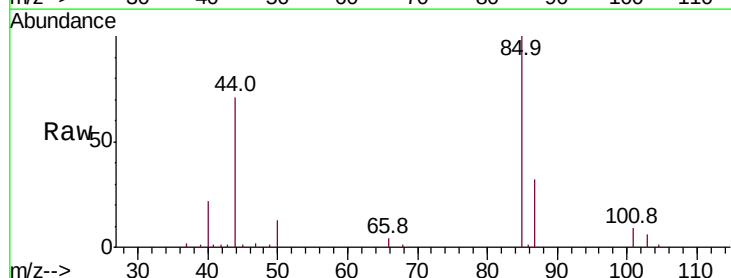
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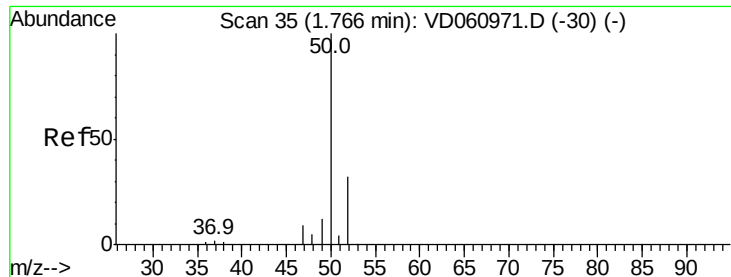
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#2
Dichlorodifluoromethane
Concen: 20.110 ug/l
RT: 1.59 min Scan# 17
Delta R.T. -0.01 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion: 85 Resp: 122803
Ion Ratio Lower Upper
85 100
87 31.7 16.4 49.4





#3

Chloromethane

Concen: 20.479 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 50 Resp: 104176

Ion Ratio Lower Upper

50 100

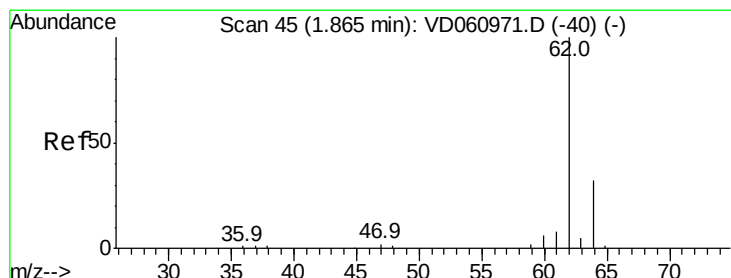
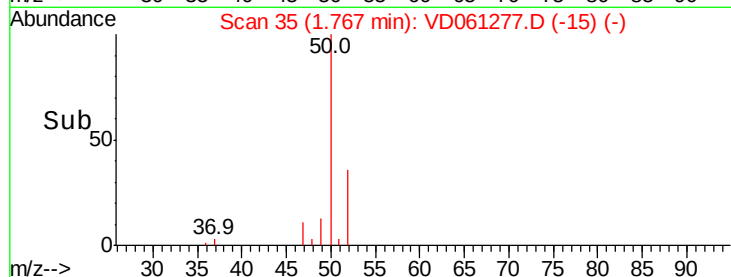
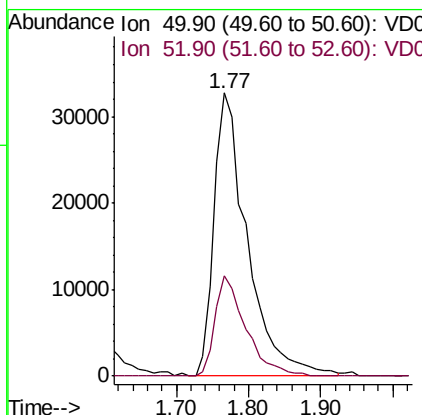
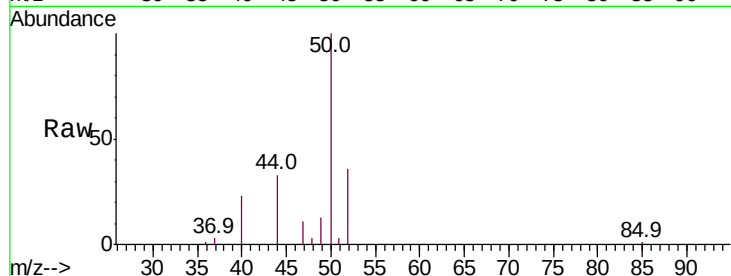
52 35.6 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.838 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.00 min

Lab File: VD061277.D

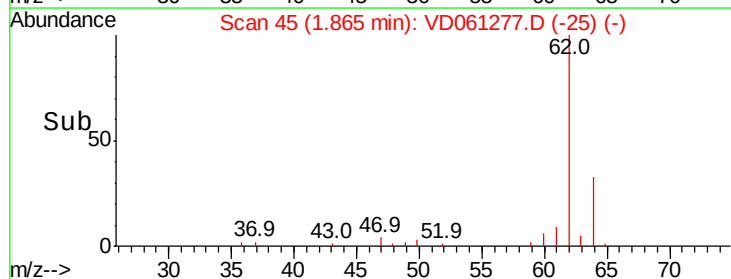
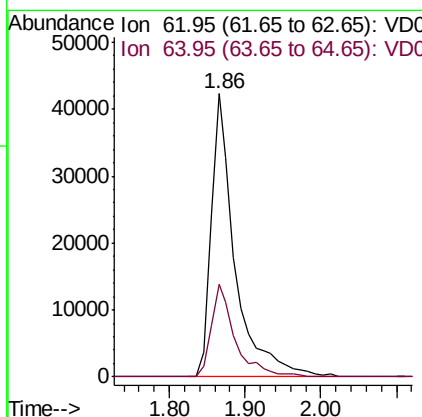
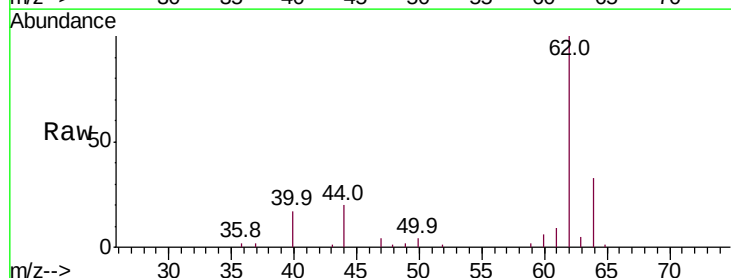
Acq: 23 Mar 2019 13:39

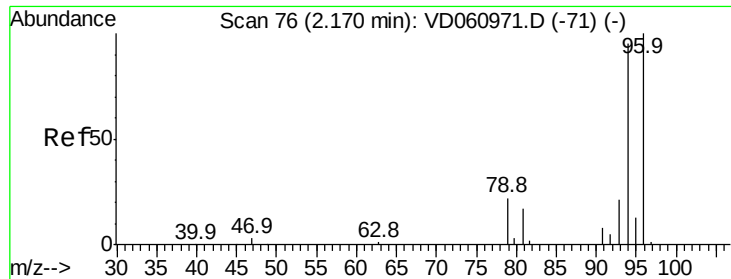
Tgt Ion: 62 Resp: 93251

Ion Ratio Lower Upper

62 100

64 32.8 25.2 37.8





#5

Bromomethane

Concen: 18.078 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

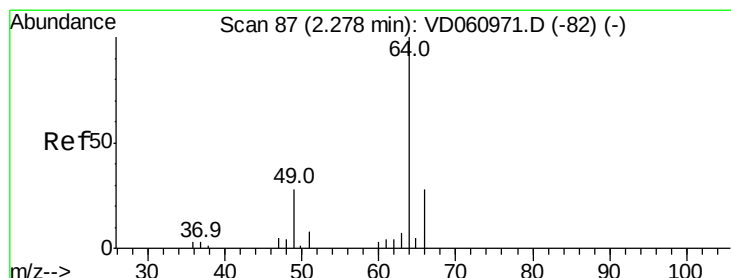
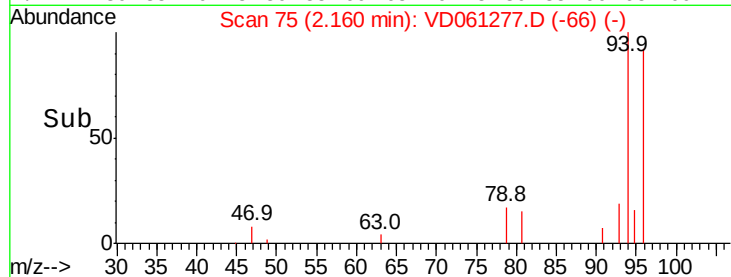
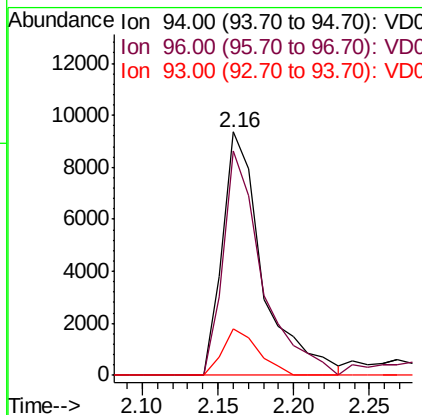
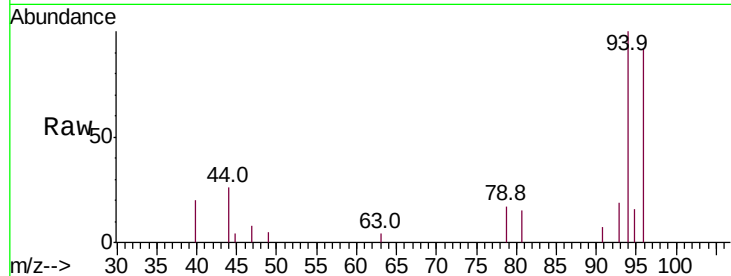
ClientSampleId :

VD0323SBS01

Tot Ion:	94	Resp:	17328
Ion	Ratio	Lower	Upper
94	100		
96	92.0	84.0	126.0
93	19.1	17.3	25.9

Manual Integrations
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#6

Chloroethane

Concen: 18.879 ug/l

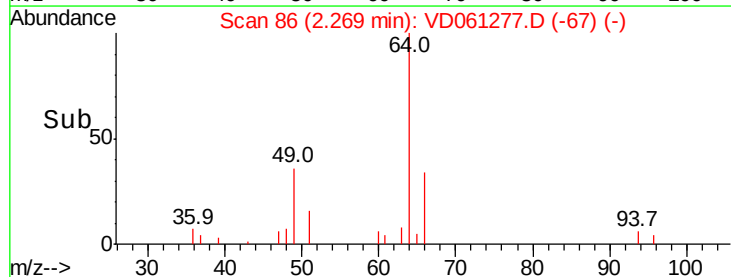
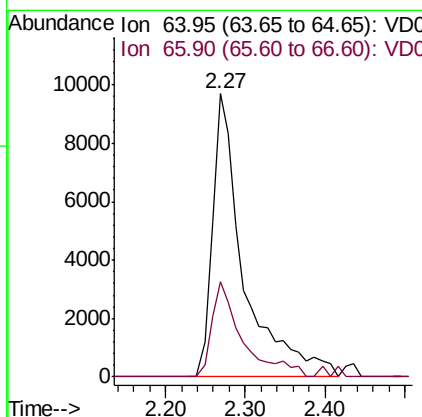
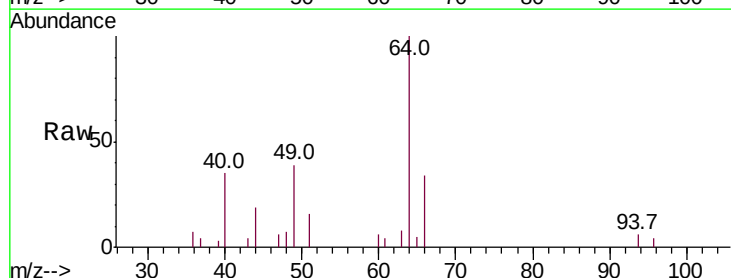
RT: 2.27 min Scan# 86

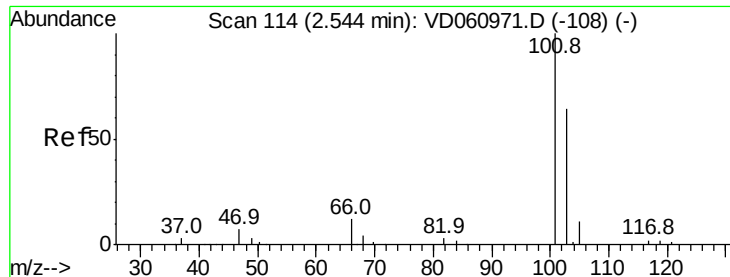
Delta R.T. -0.01 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Tgt Ion:	64	Resp:	26562
Ion	Ratio	Lower	Upper
64	100		
66	33.7	22.2	33.2#





#7

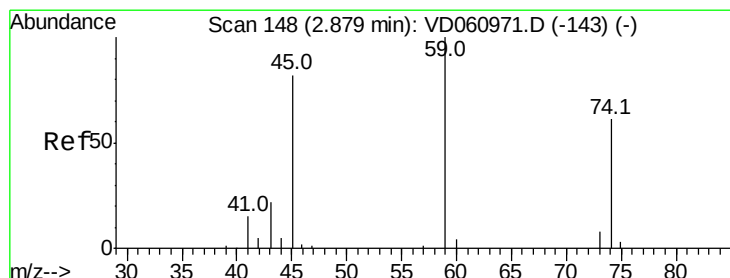
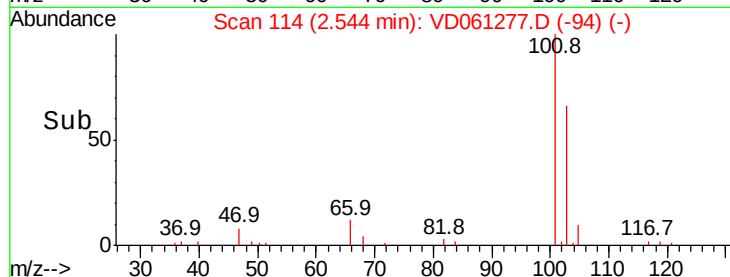
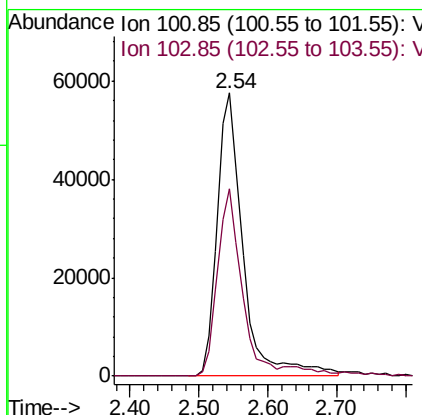
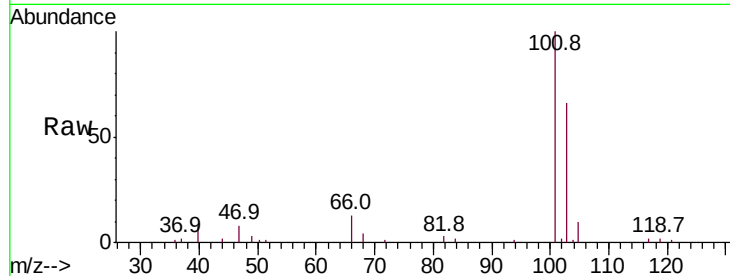
Trichlorofluoromethane
 Concen: 22.151 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.00 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

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 VD0323SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	149578		
103	66.1	51.2	76.8	

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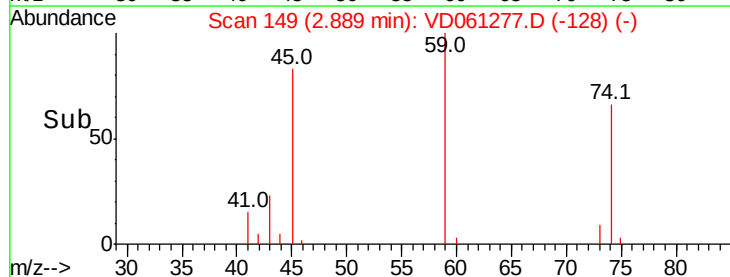
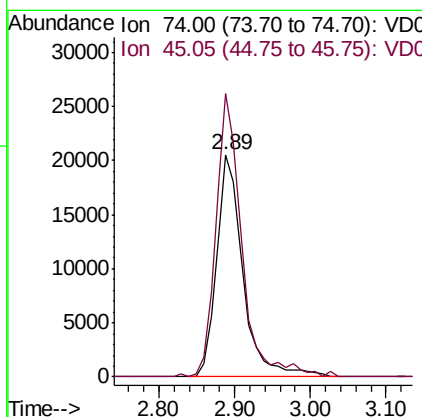
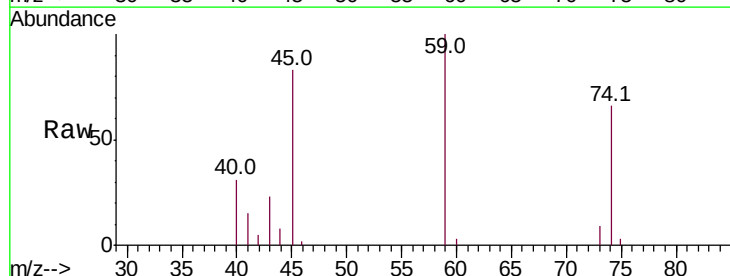
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 3/26/2019 2:40:33 PM

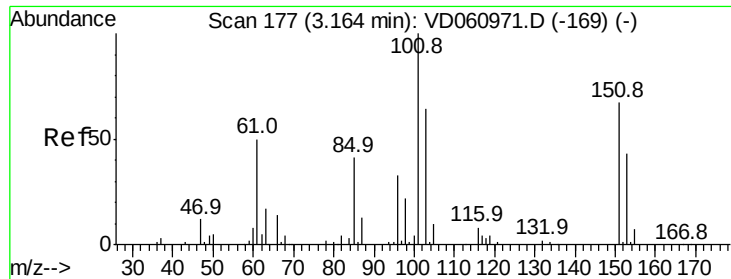


#8

Diethyl Ether
 Concen: 22.409 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.01 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	49918		
45	127.3	67.0	201.1	





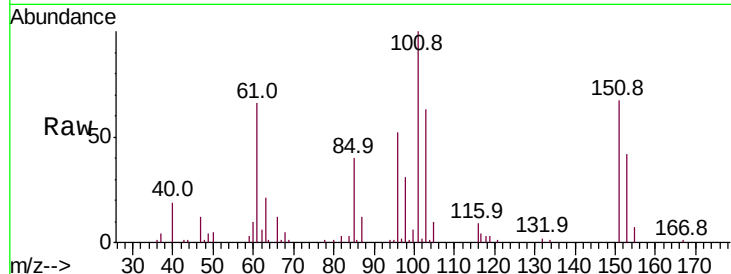
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.708 ug/l
RT: 3.16 min Scan# 177
Delta R.T. 0.00 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
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VD0323SBS01

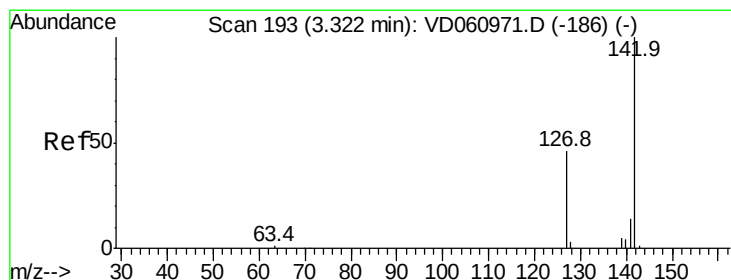
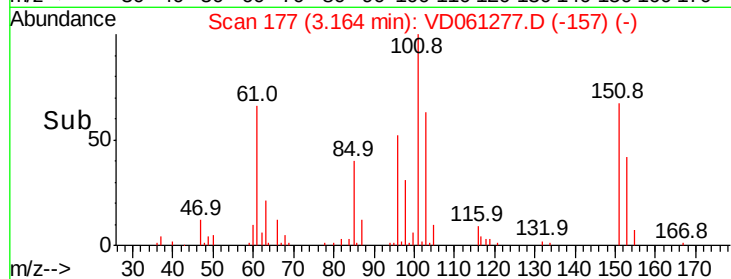
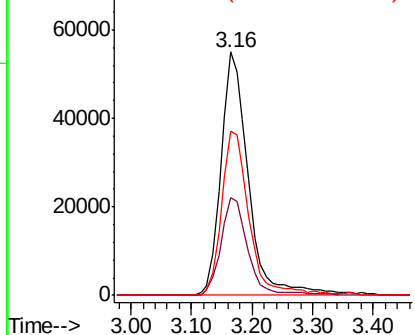
Tot Ion	Ratio	Resp	Lower	Upper
101	100	171432		
85	40.2	32.5	48.7	
151	67.2	53.3	79.9	

Manual Integrations
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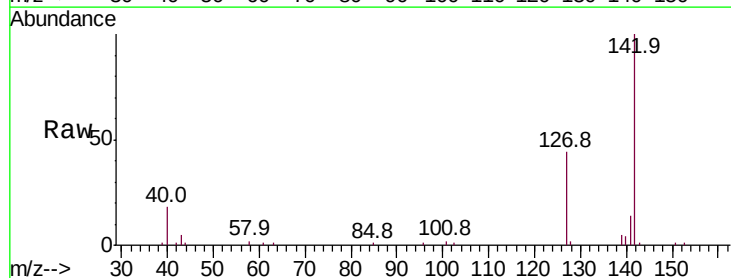


Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V

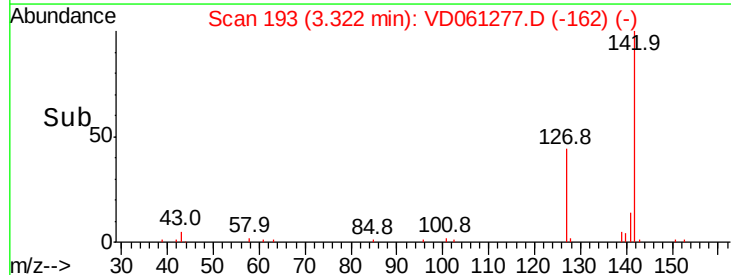
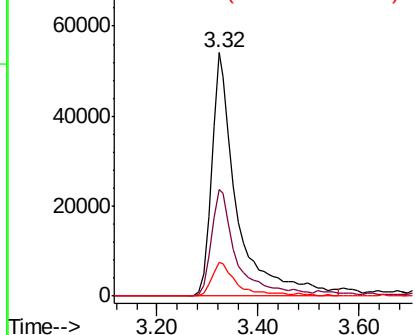


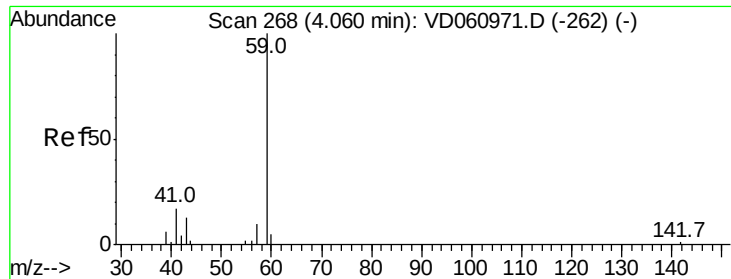
#10
Methyl Iodide
Concen: 20.148 ug/l
RT: 3.32 min Scan# 193
Delta R.T. 0.00 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	190129		
127	44.1	36.8	55.2	
141	13.8	11.2	16.8	



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

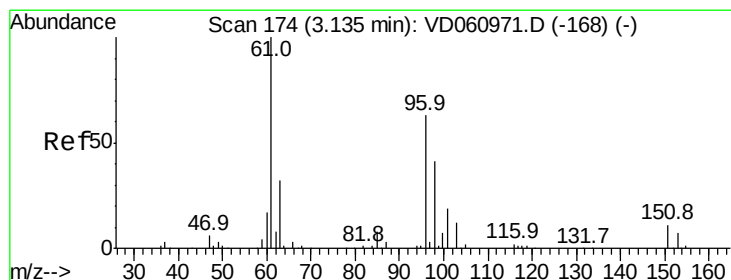
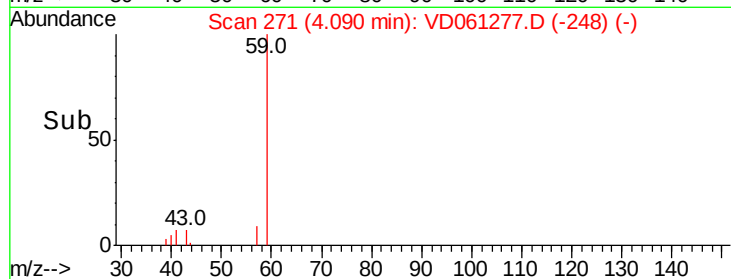
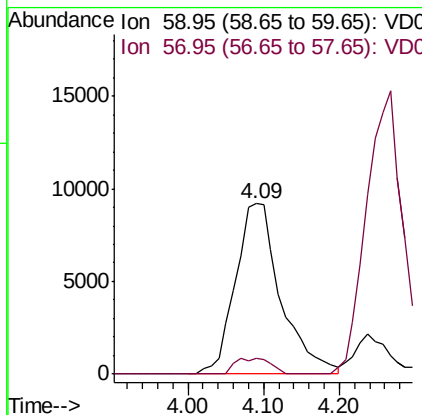
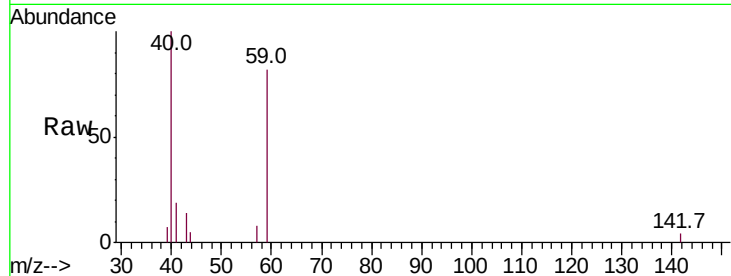
Tert butyl alcohol
Concen: 117.222 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.03 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion: 59 Resp: 38294
Ion Ratio Lower Upper
59 100
57 9.3 7.1 10.7

Manual Integrations
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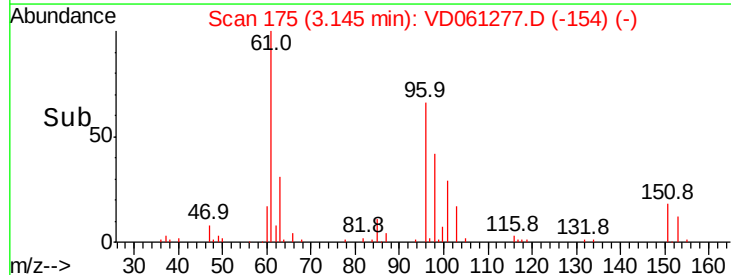
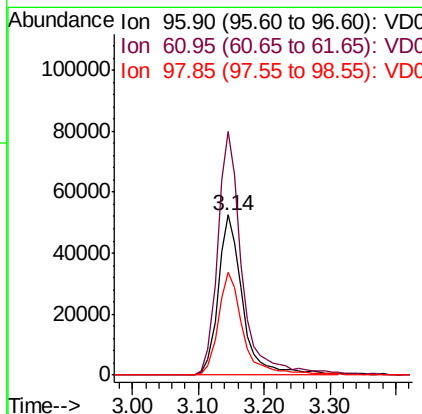
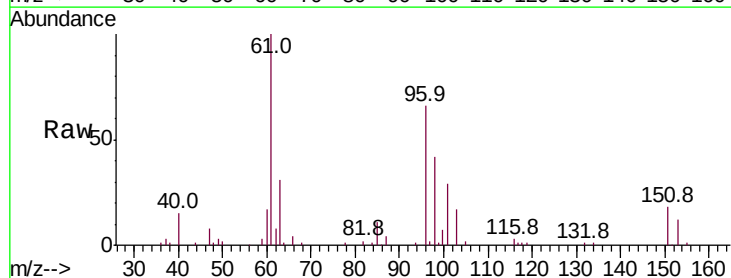
MMDadoda
3/26/2019 2:40:33 PM

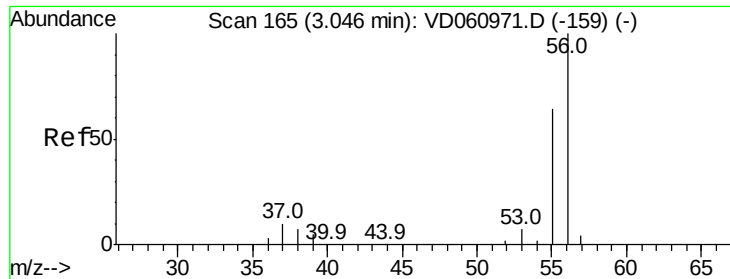


#12

1,1-Dichloroethene
Concen: 21.839 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.01 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion: 96 Resp: 135142
Ion Ratio Lower Upper
96 100
61 151.9 127.1 190.7
98 64.1 51.5 77.3





#13

Acrolein

Concen: 51.602 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.01 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 56 Resp: 24391

Ion Ratio Lower Upper

56 100

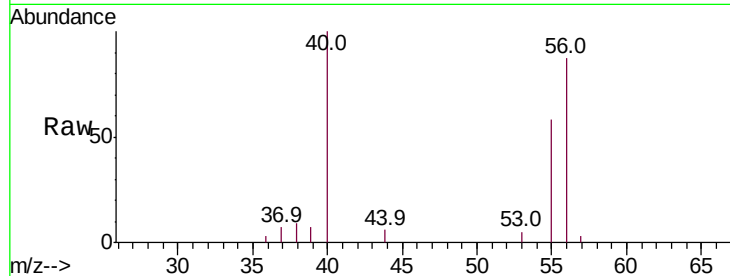
55 66.7 51.3 76.9

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

10000

8000

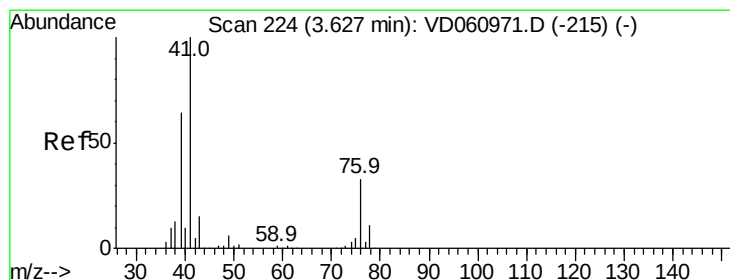
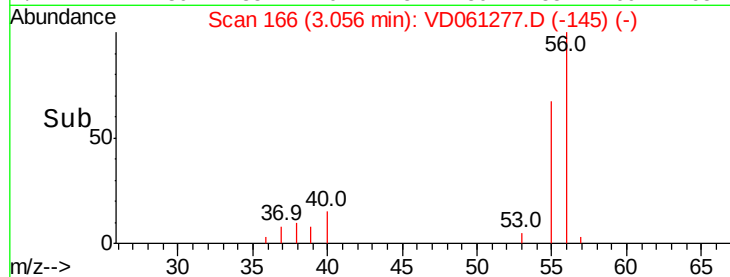
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 20.286 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

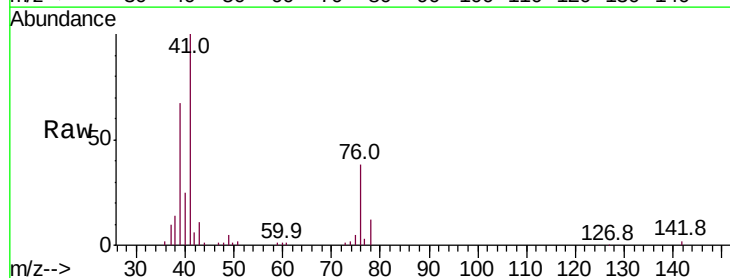
Tgt Ion: 41 Resp: 200854

Ion Ratio Lower Upper

41 100

39 67.3 51.1 76.7

76 38.4 29.1 43.7



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

80000

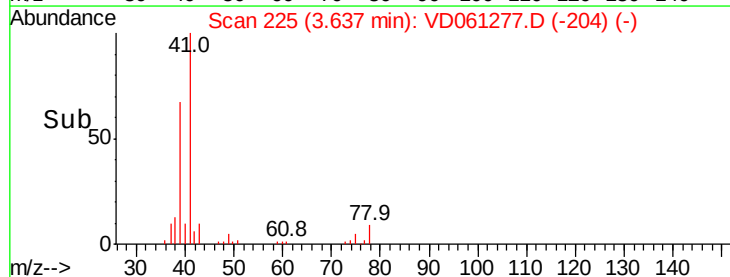
60000

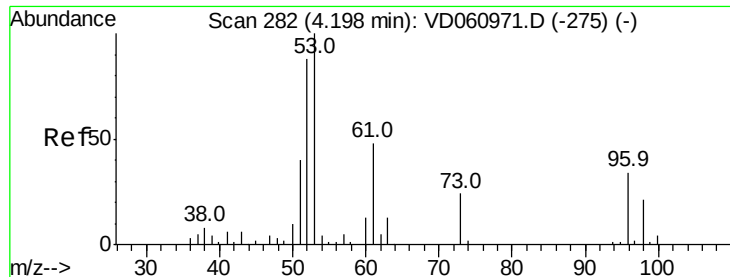
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 108.536 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

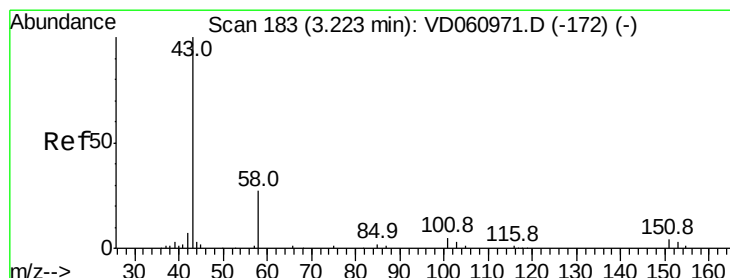
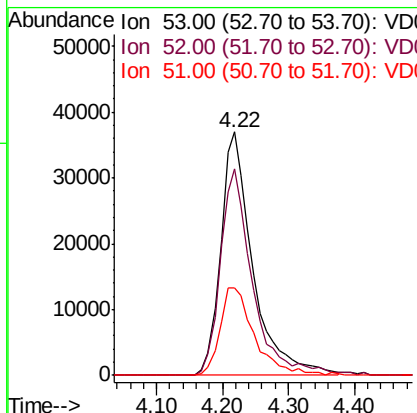
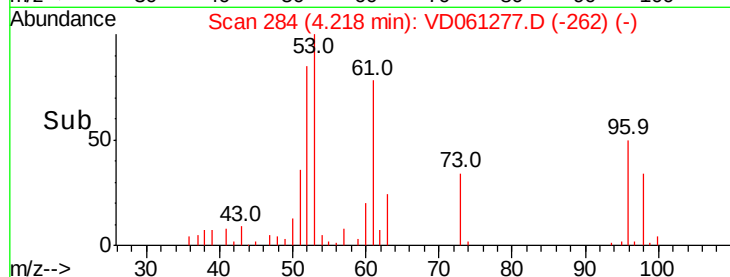
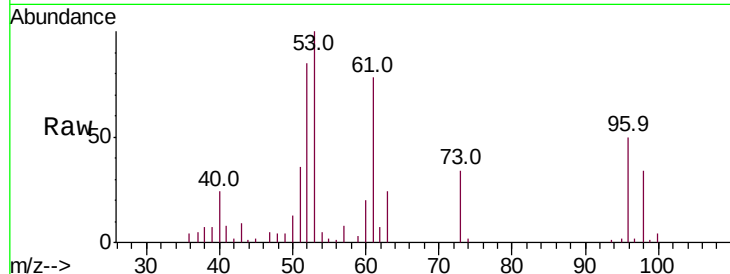
ClientSampleId :

VD0323SBS01

Tot Ion:	53	Resp:	125314
Ion Ratio	Lower	Upper	
53	100		
52	84.6	70.2	105.4
51	36.0	31.7	47.5

Manual Integrations
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#16

Acetone

Concen: 113.891 ug/l

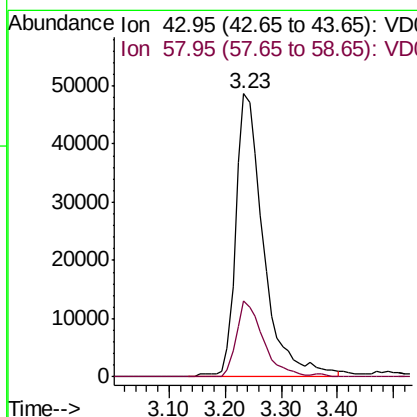
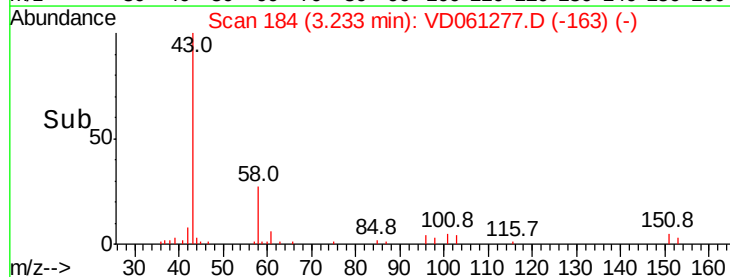
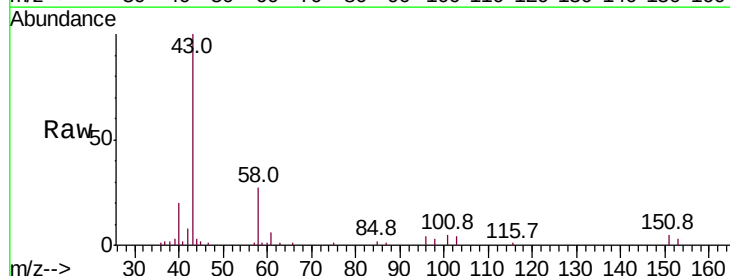
RT: 3.23 min Scan# 184

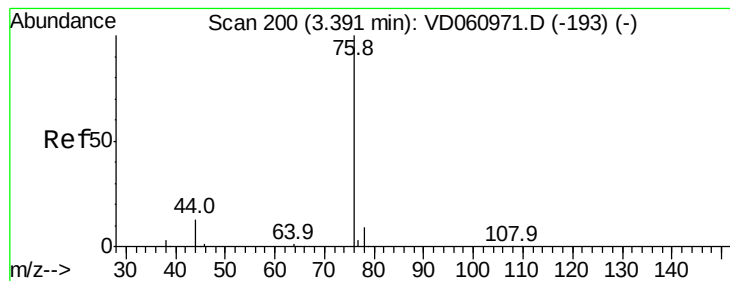
Delta R.T. 0.01 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Tgt Ion:	43	Resp:	167122
Ion Ratio	Lower	Upper	
43	100		
58	26.8	21.6	32.4





#17

Carbon Disulfide

Concen: 18.923 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.00 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 76 Resp: 395008

Ion Ratio Lower Upper

76 100

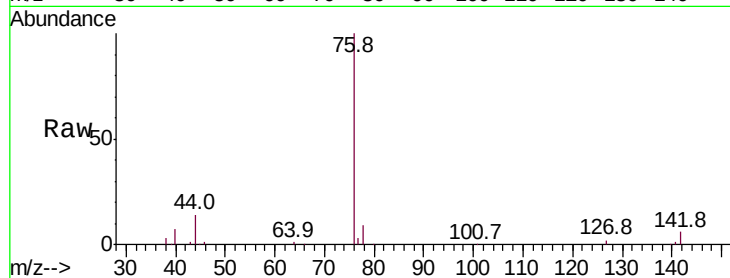
78 8.8 7.4 11.2

Manual Integrations

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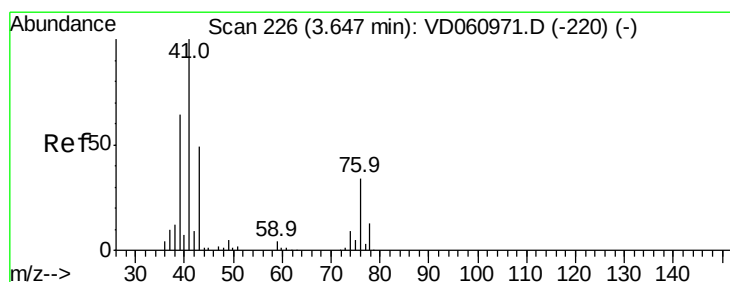
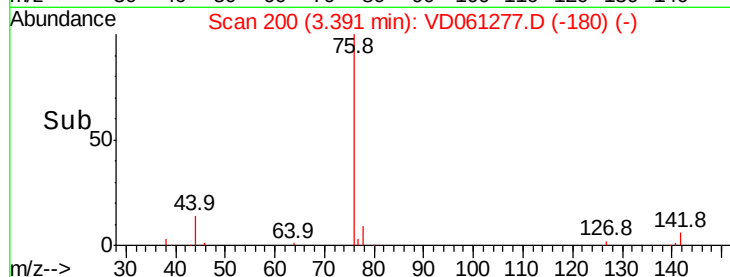
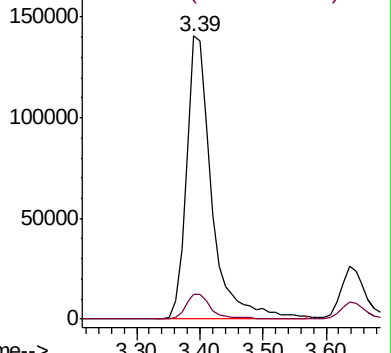
MMDadoda

3/26/2019 2:40:33 PM



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.366 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD061277.D

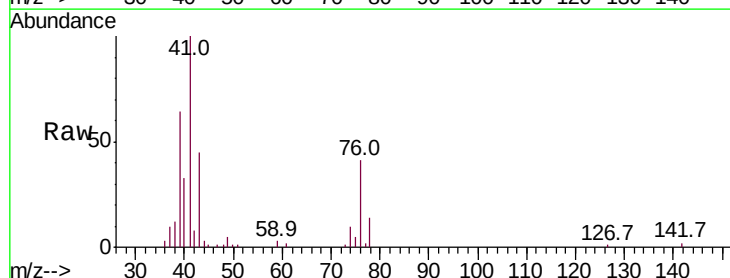
Acq: 23 Mar 2019 13:39

Tgt Ion: 43 Resp: 58813

Ion Ratio Lower Upper

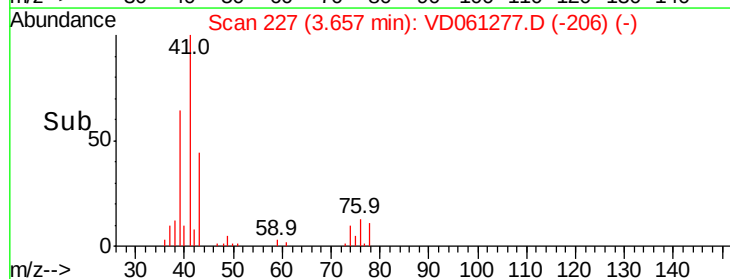
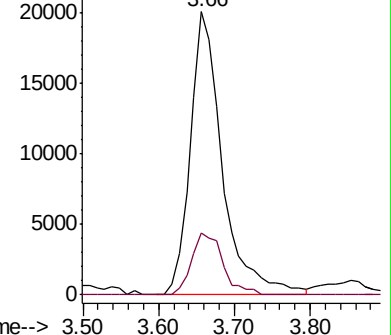
43 100

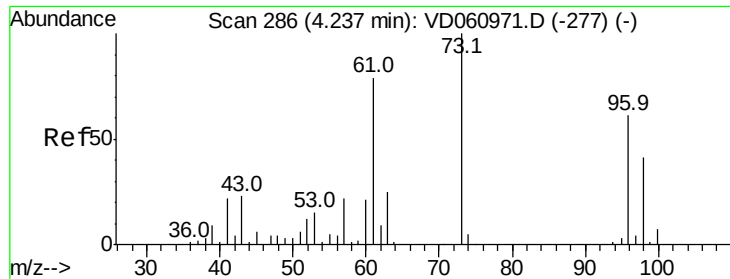
74 21.9 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





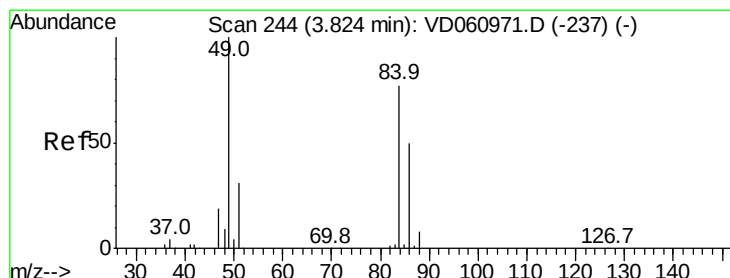
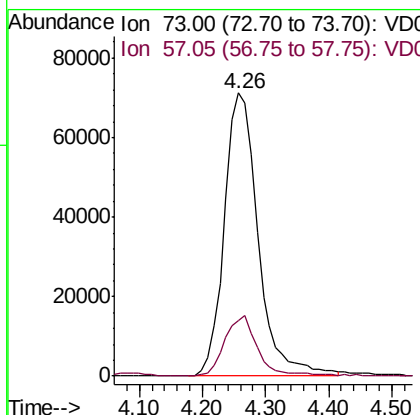
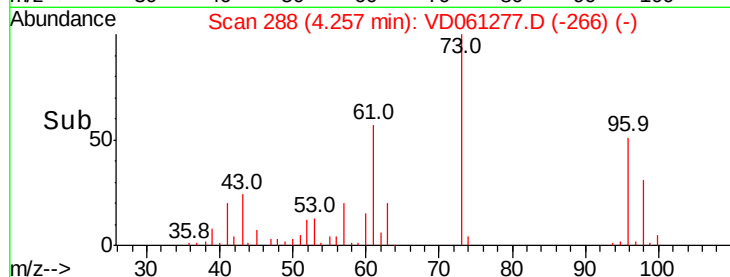
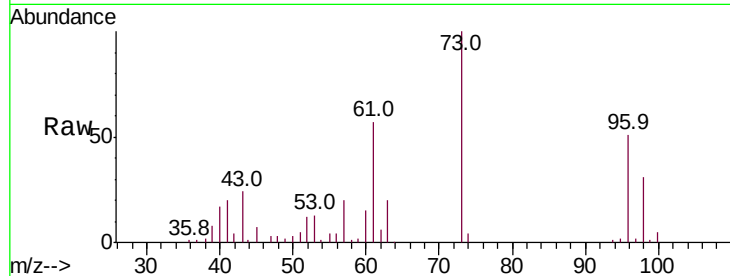
#19
Methyl tert-butyl Ether
Concen: 24.400 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleID :
VD0323SBS01

Tot Ion: 73 Resp: 264616
Ion Ratio Lower Upper
73 100
57 19.8 17.7 26.5

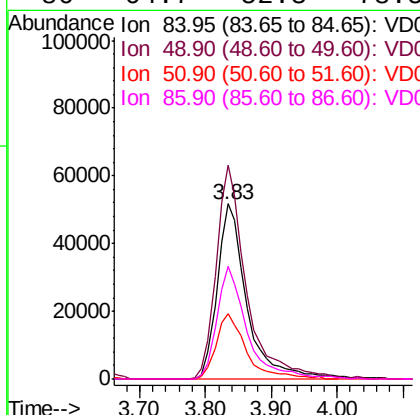
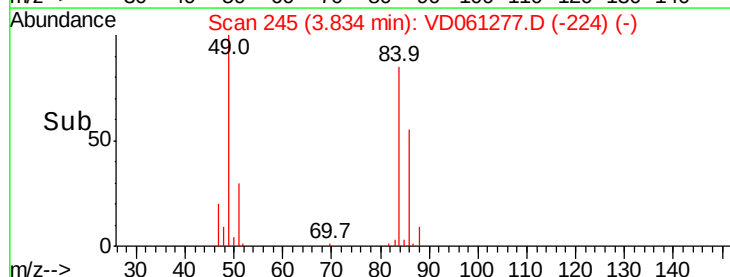
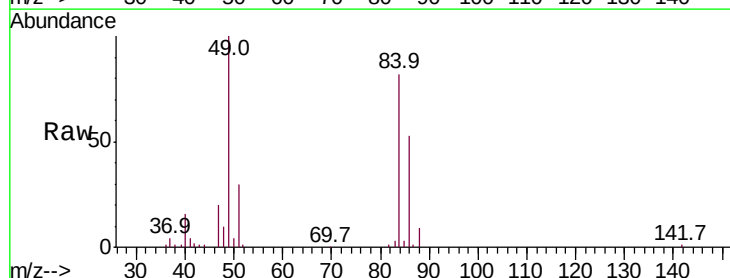
Manual Integrations
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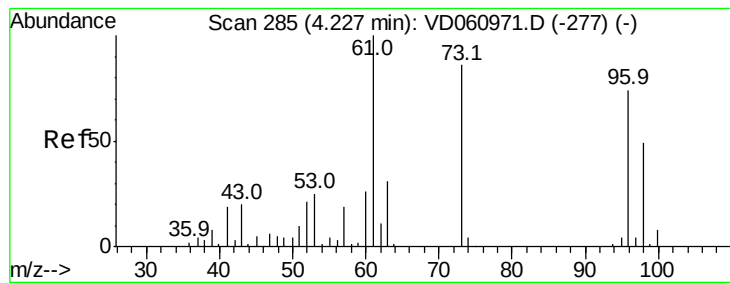
MMDadoda
3/26/2019 2:40:33 PM



#20
Methylene Chloride
Concen: 21.495 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion: 84 Resp: 161606
Ion Ratio Lower Upper
84 100
49 122.2 104.2 156.2
51 37.2 32.3 48.5
86 64.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 22.043 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.02 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 96 Resp: 147638

Ion Ratio Lower Upper

96 100

61 121.6 108.4 162.6

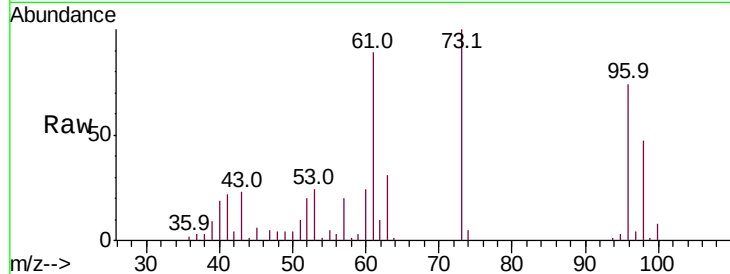
98 63.9 53.0 79.4

Manual Integrations

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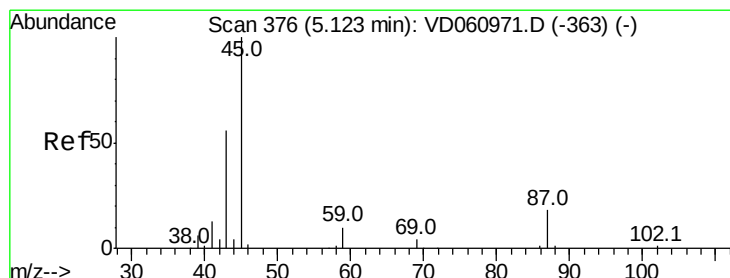
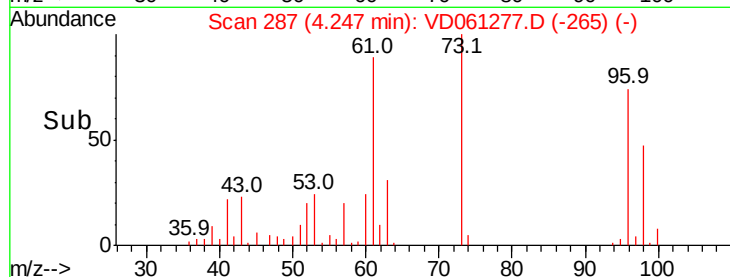
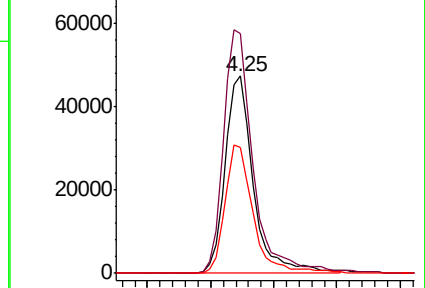
3/26/2019 2:40:33 PM



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: 21.460 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Tgt Ion: 45 Resp: 441074

Ion Ratio Lower Upper

45 100

43 61.0 45.8 68.8

87 20.8 14.9 22.3

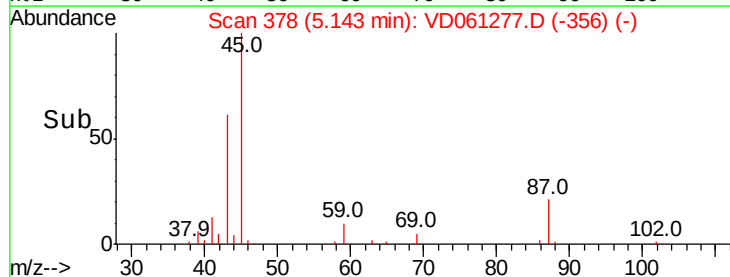
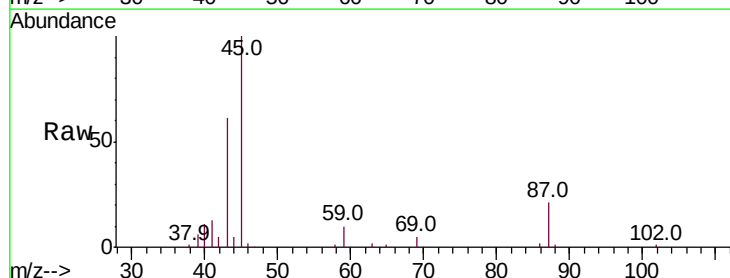
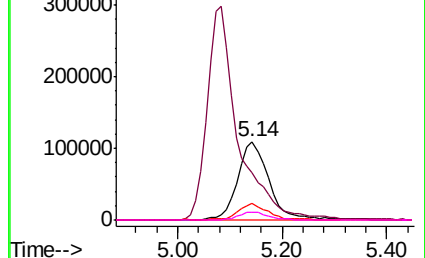
59 9.5 8.0 12.0

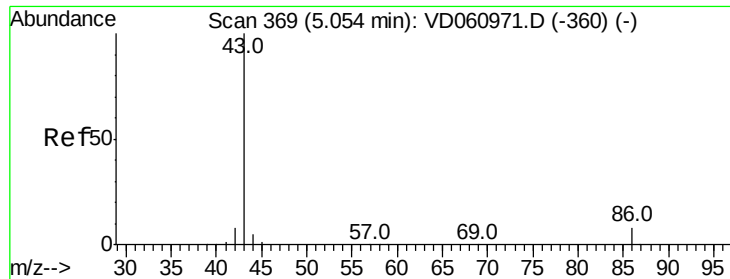
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 113.999 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 43 Resp: 1202821

Ion Ratio Lower Upper

43 100

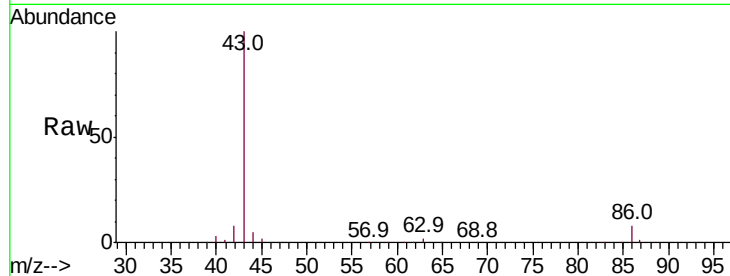
86 8.2 6.2 9.2

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.08

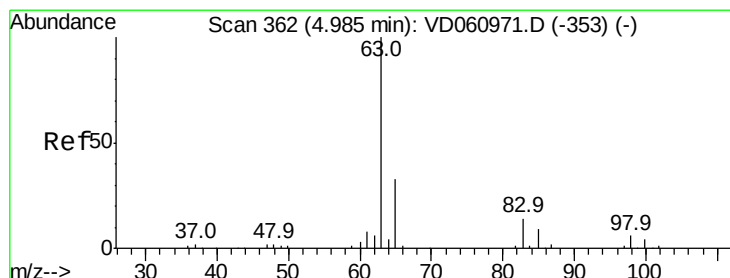
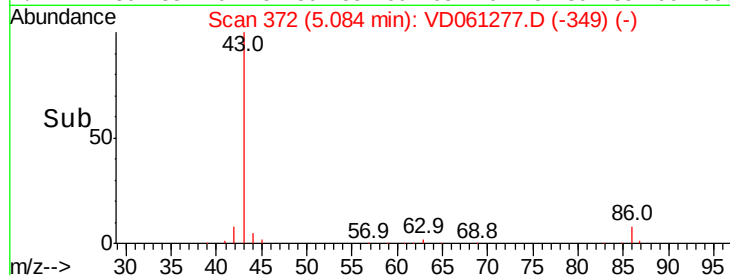
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.341 ug/l

RT: 5.02 min Scan# 365

Delta R.T. 0.03 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

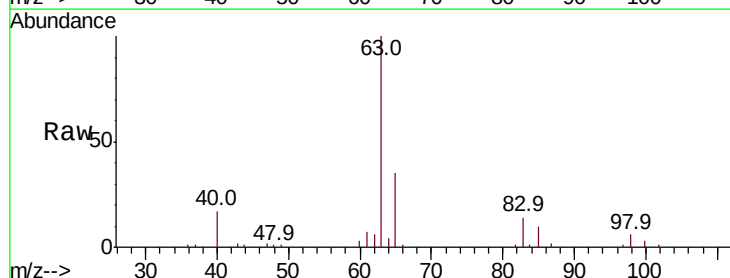
Tgt Ion: 63 Resp: 240329

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 3.3 2.0 5.8



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

5.02

80000

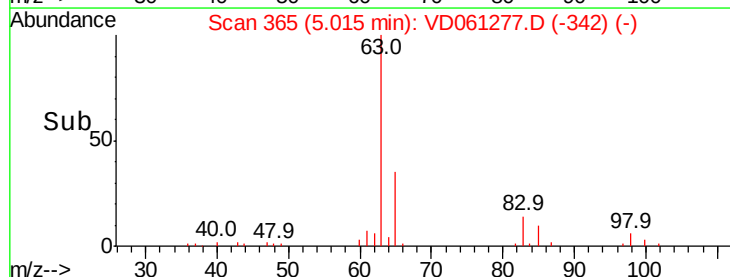
60000

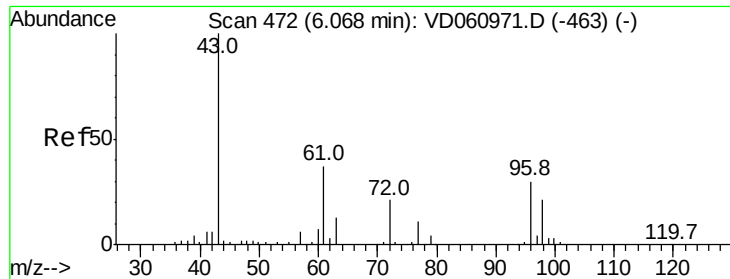
40000

20000

0

Time-->





#25

2-Butanone

Concen: 111.074 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 43 Resp: 184947

Ion Ratio Lower Upper

43 100

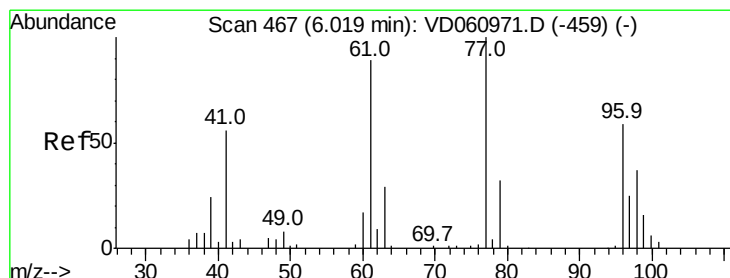
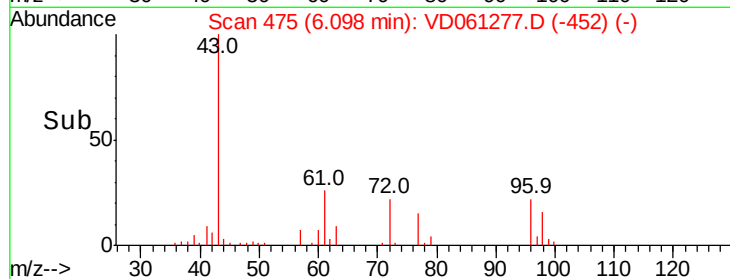
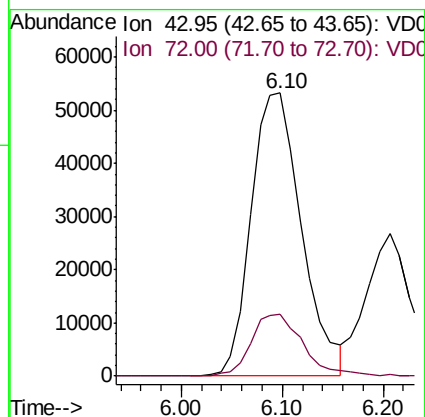
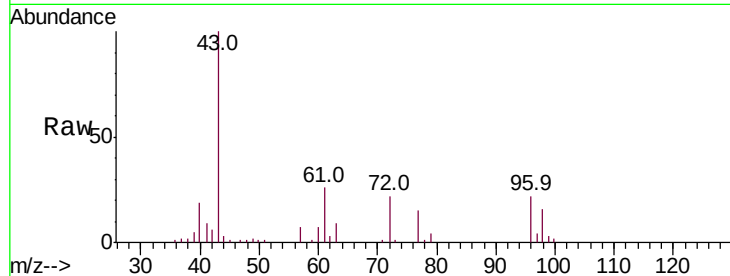
72 21.7 16.7 25.1

Manual Integrations

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MMDadoda

3/26/2019 2:40:33 PM



#26

2,2-Dichloropropane

Concen: 22.234 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD061277.D

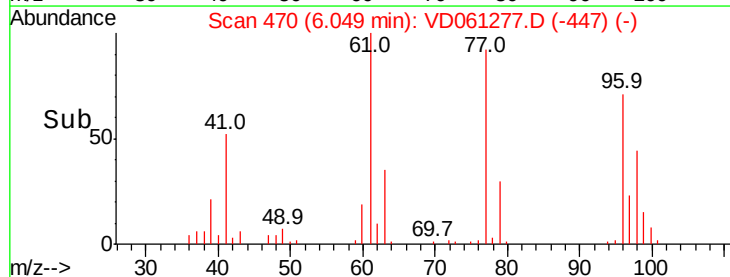
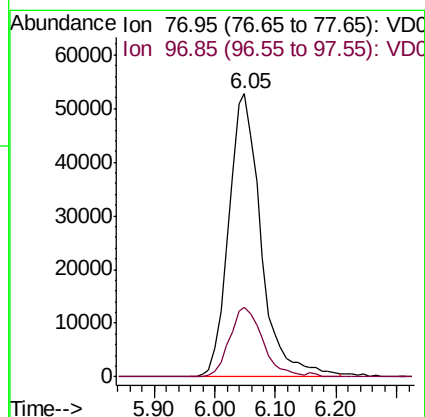
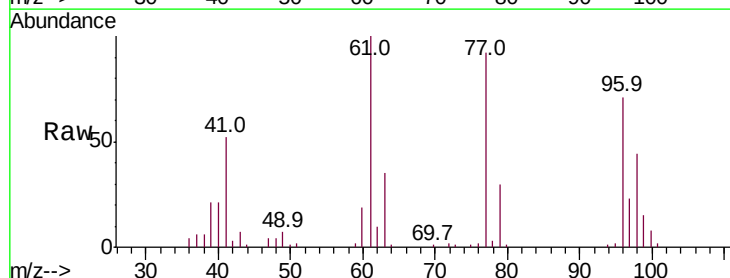
Acq: 23 Mar 2019 13:39

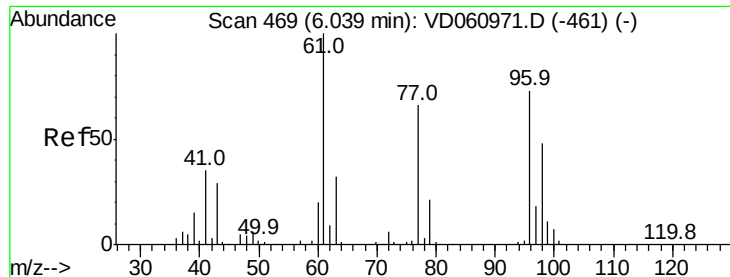
Tgt Ion: 77 Resp: 195461

Ion Ratio Lower Upper

77 100

97 24.4 12.6 37.6





#27

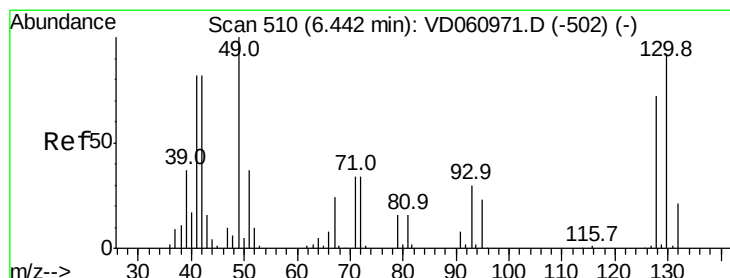
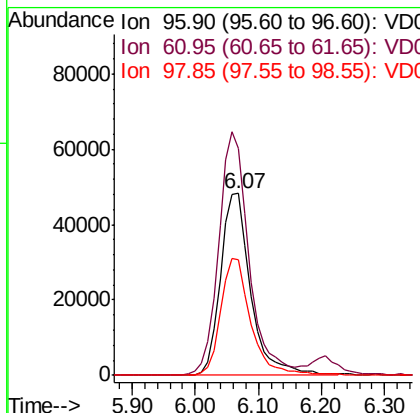
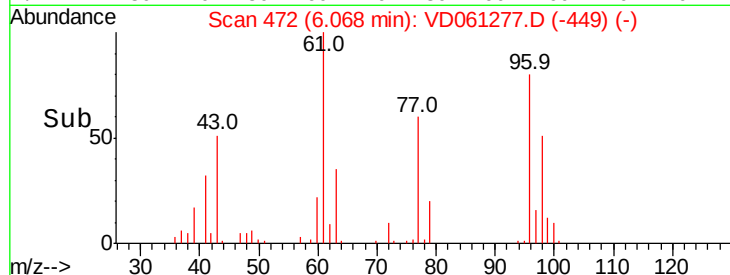
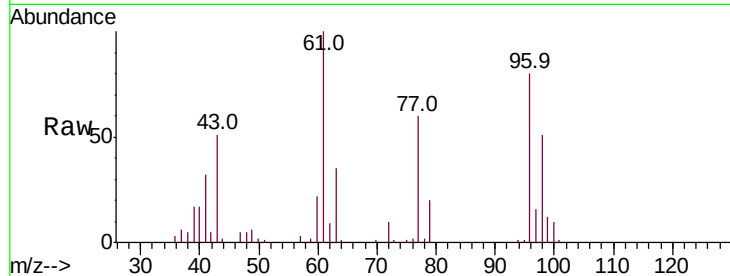
cis-1,2-Dichloroethene
Concen: 22.716 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.03 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	124.6	0.0	273.6	
98	63.6	0.0	132.6	

Manual Integrations
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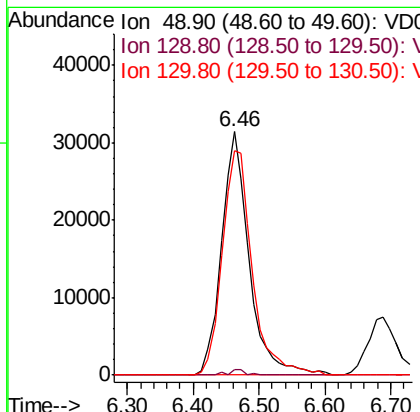
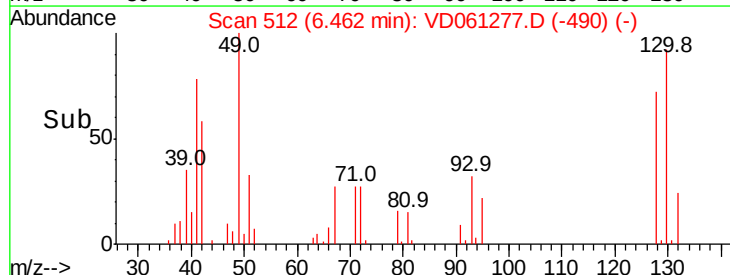
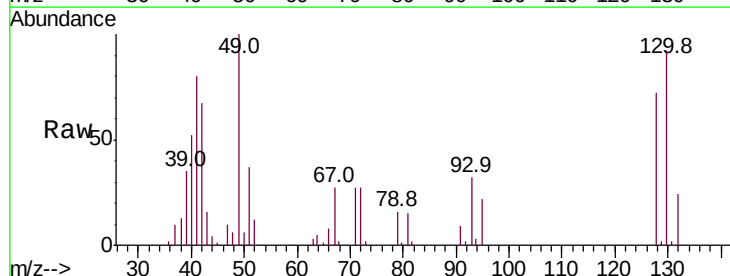
MMDadoda
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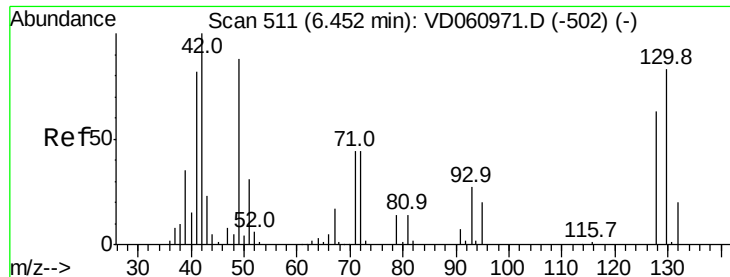


#28

Bromochloromethane
Concen: 19.275 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.0	
130	92.0	73.8	110.8	





#29

Tetrahydrofuran

Concen: 112.048 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.03 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 42 Resp: 101307

Ion Ratio Lower Upper

42 100

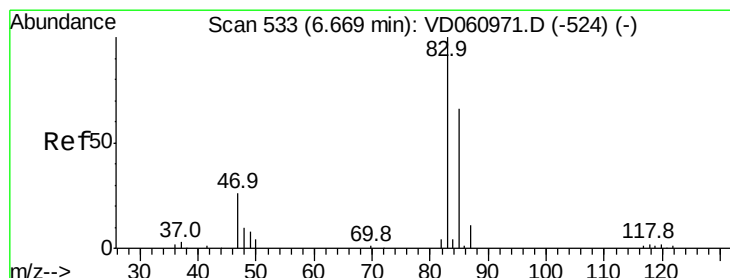
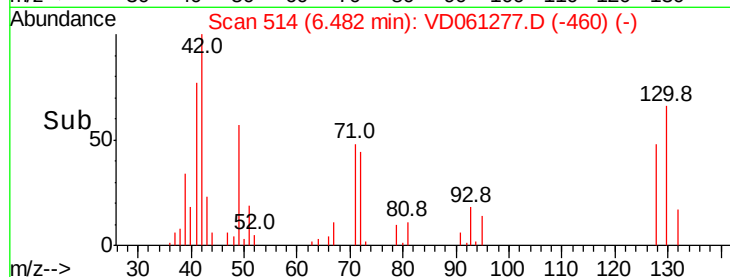
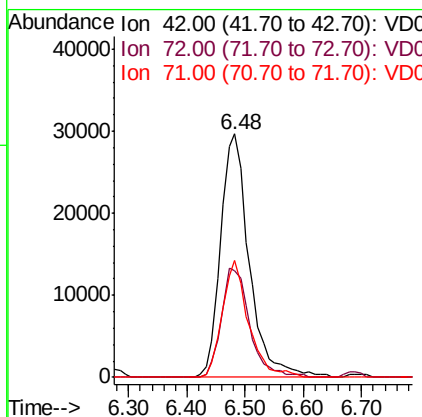
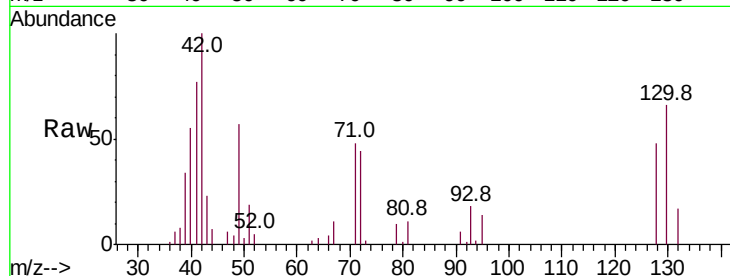
72 44.3 34.5 51.7

71 44.1 33.8 50.6

Manual Integrations
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#30

Chloroform

Concen: 23.016 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.02 min

Lab File: VD061277.D

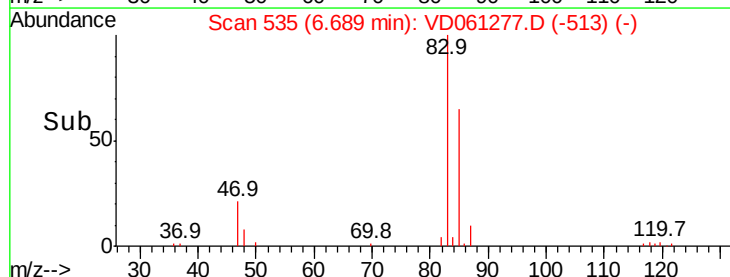
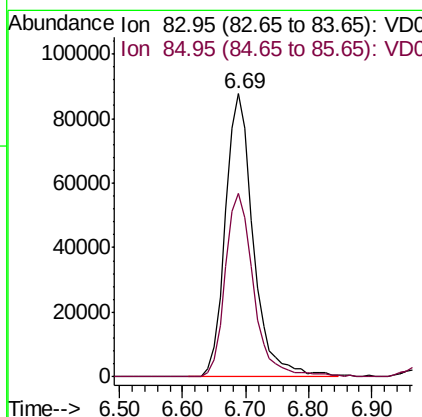
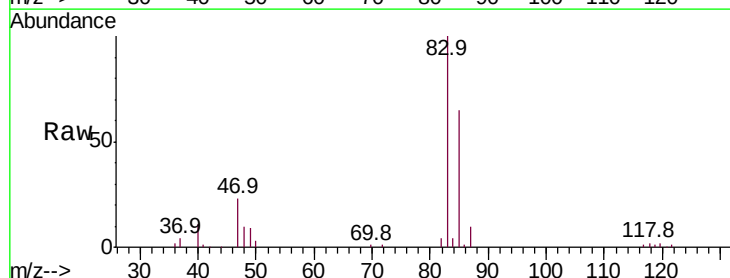
Acq: 23 Mar 2019 13:39

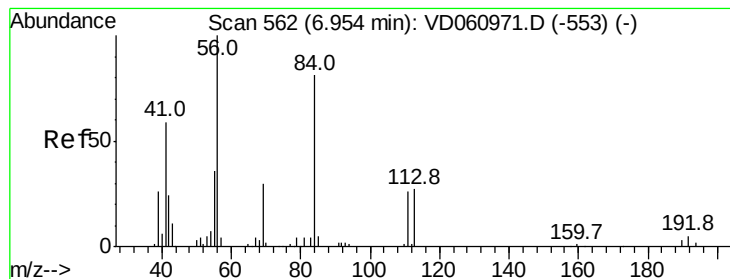
Tgt Ion: 83 Resp: 268633

Ion Ratio Lower Upper

83 100

85 64.9 53.0 79.4





#31

Cyclohexane

Concen: 21.609 ug/l

RT: 6.98 min Scan# 565

Delta R.T. 0.03 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

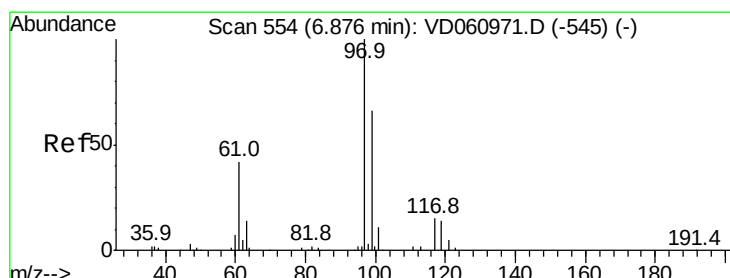
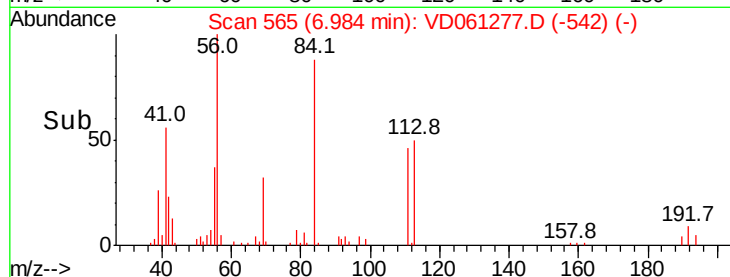
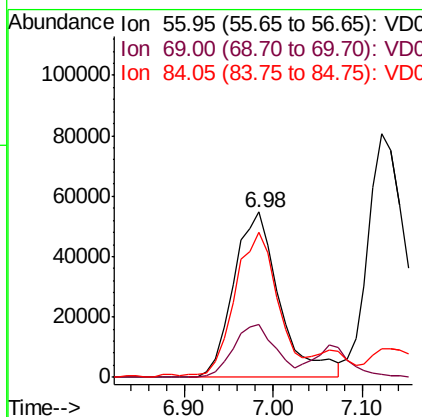
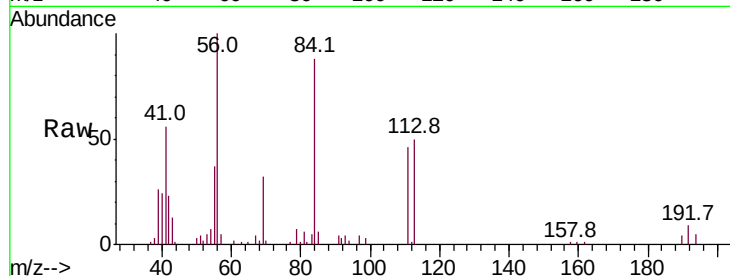
ClientSampled :

VD0323SBS01

Tot Ion:	56	Resp:	196217
Ion Ratio	Lower	Upper	
56	100		
69	32.2	24.0	36.0
84	87.5	65.8	98.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.259 ug/l

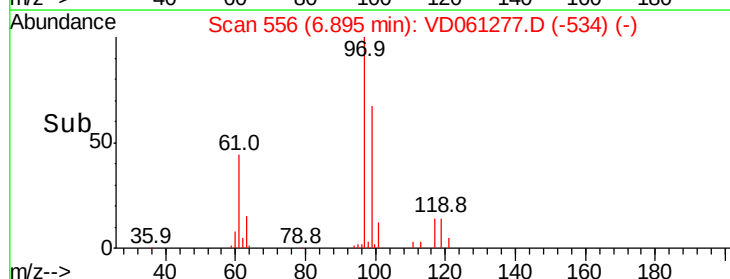
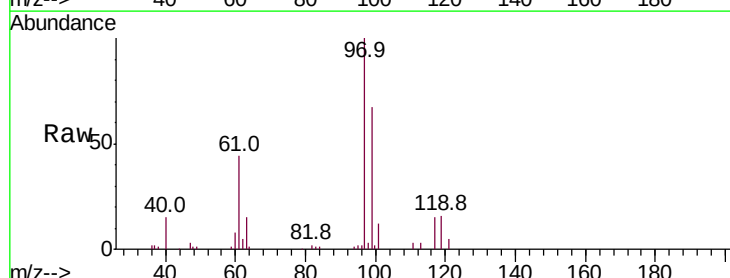
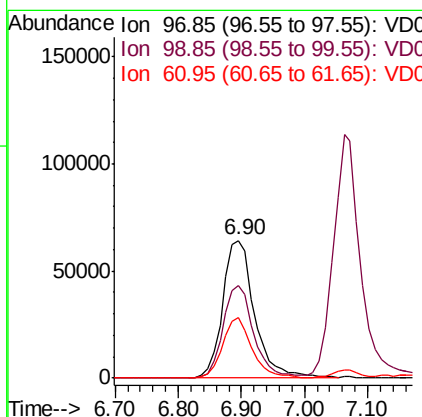
RT: 6.90 min Scan# 556

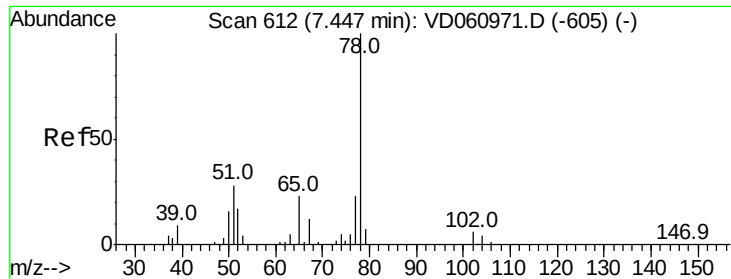
Delta R.T. 0.02 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Tgt Ion:	97	Resp:	224601
Ion Ratio	Lower	Upper	
97	100		
99	67.2	53.2	79.8
61	43.6	33.8	50.8





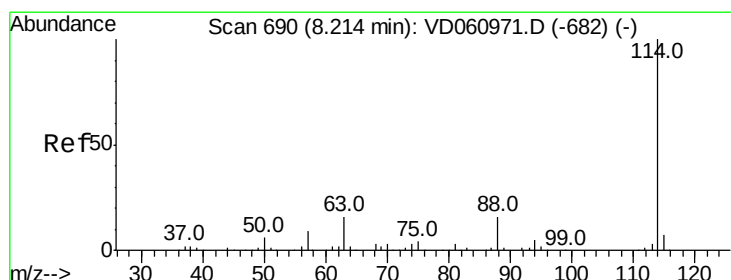
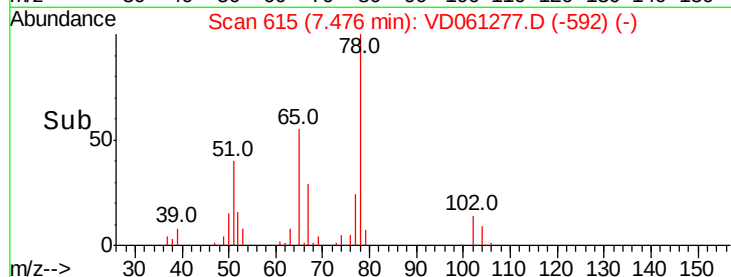
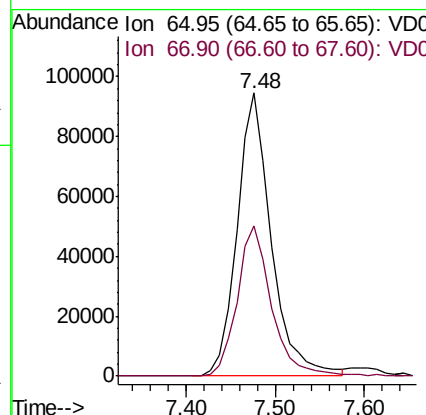
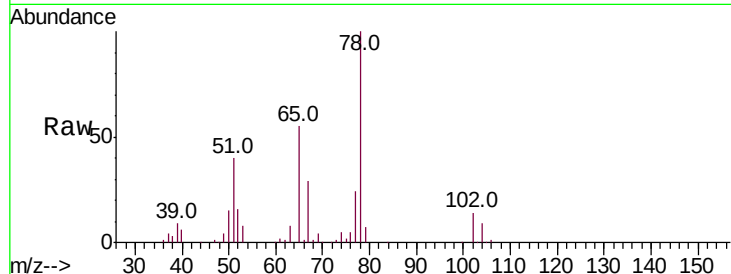
#33
 1,2-Dichloroethane-d4
 Concen: 22.259 ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.03 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.2

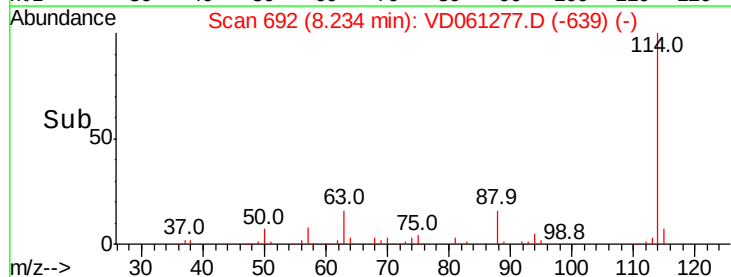
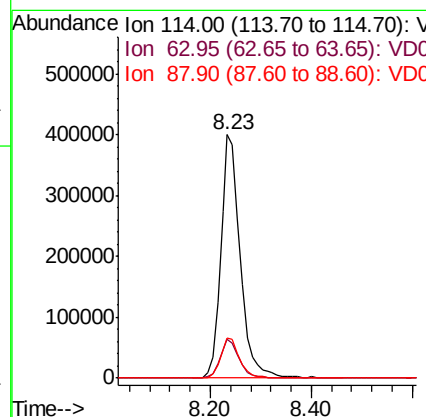
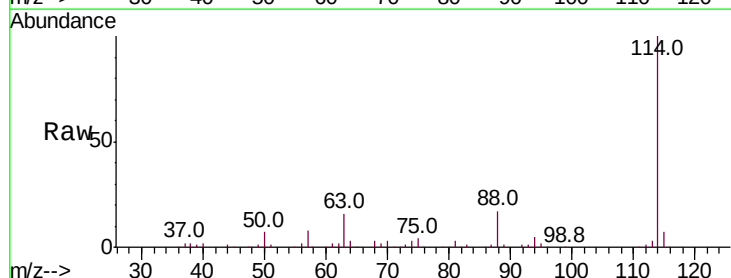
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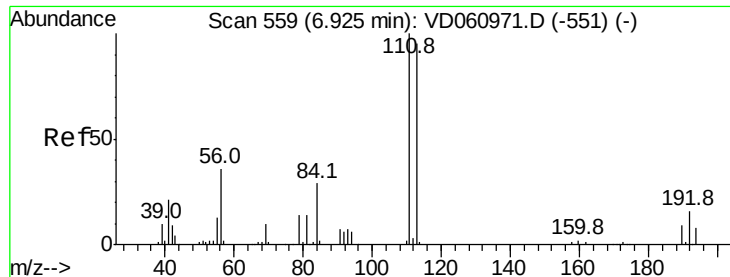
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.1	0.0	31.4
88	16.5	0.0	33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

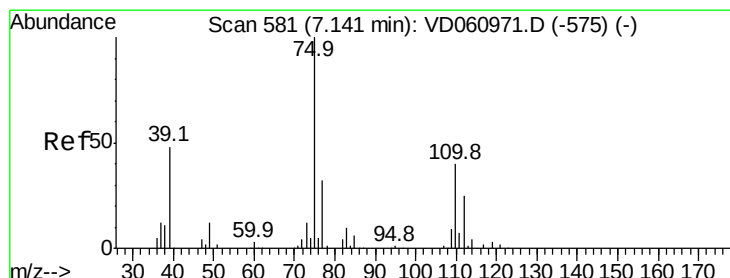
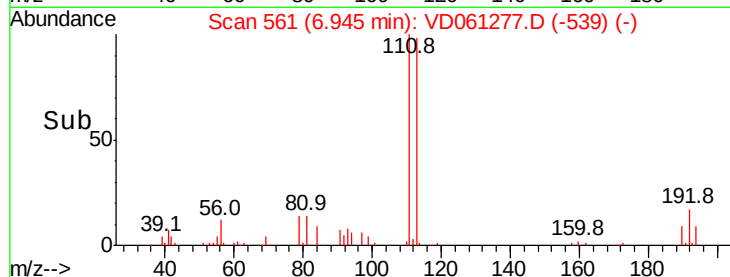
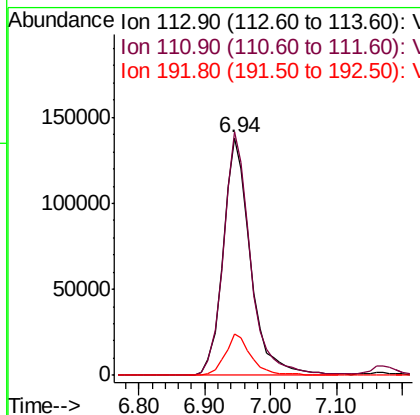
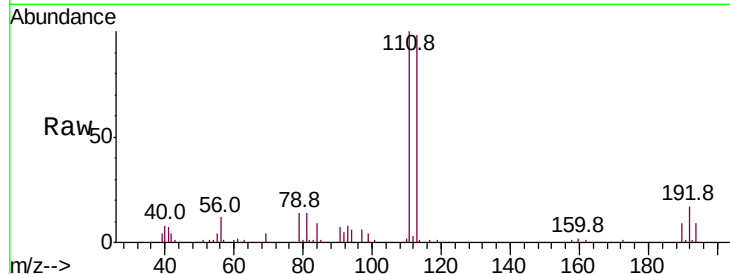
ClientSampleId :

VD0323SBS01

Tot Ion:	113	Resp:	401581
Ion Ratio	Lower	Upper	
113	100		
111	102.4	84.2	126.4
192	17.4	13.1	19.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.589 ug/l

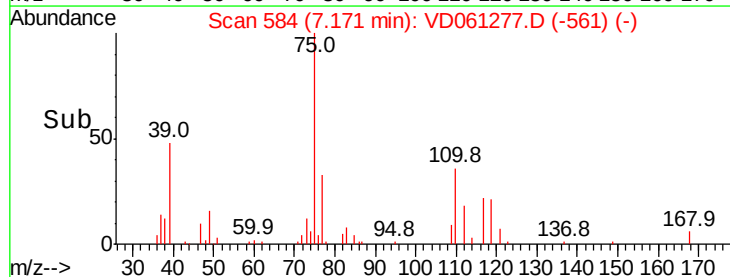
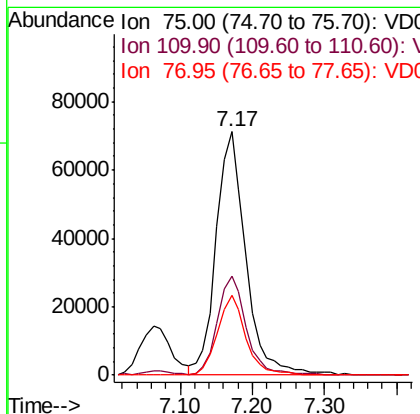
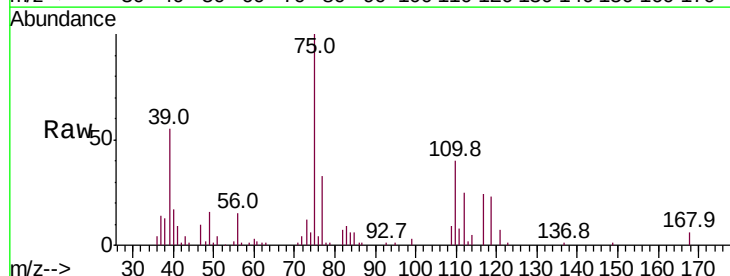
RT: 7.17 min Scan# 584

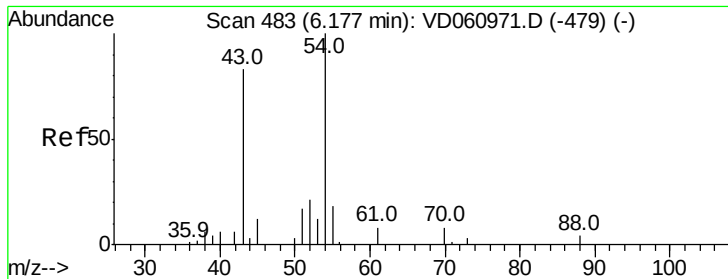
Delta R.T. 0.03 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Tgt Ion:	75	Resp:	200328
Ion Ratio	Lower	Upper	
75	100		
110	40.4	19.7	59.1
77	33.0	24.7	37.1





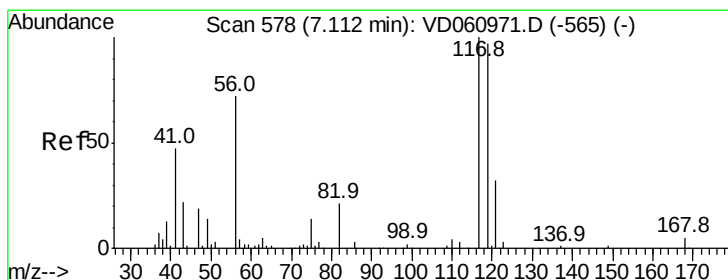
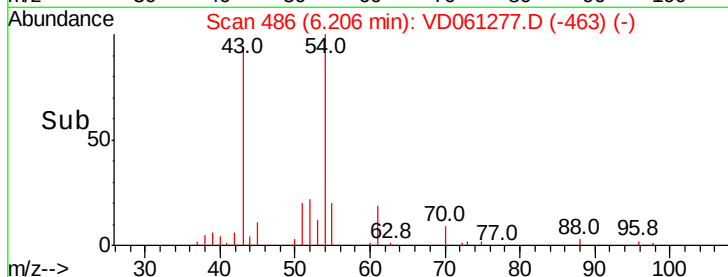
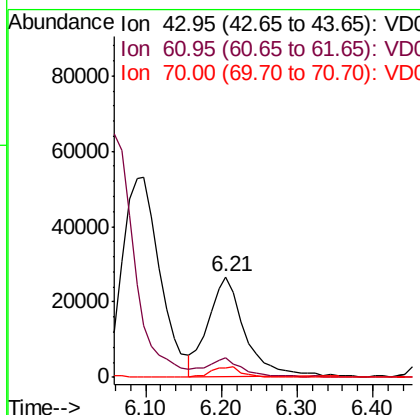
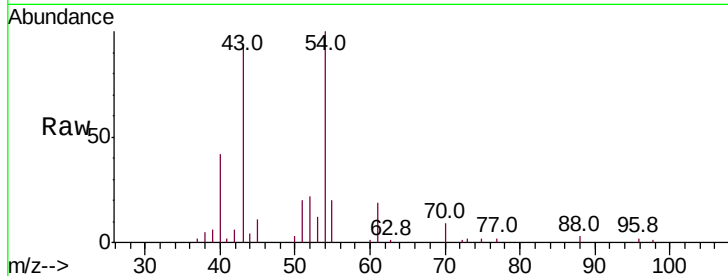
#37
Ethyl Acetate
Concen: 20.317 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.03 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	13.7	20.5
70	9.4	7.1	10.7

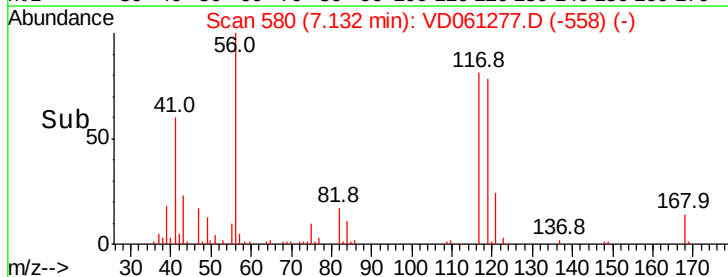
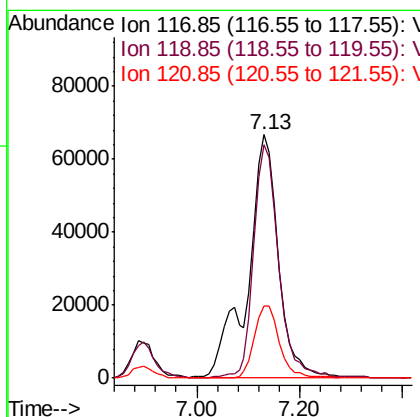
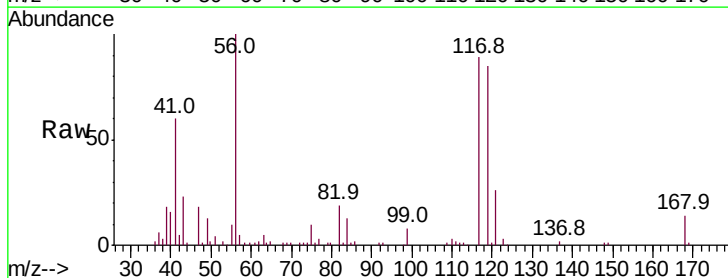
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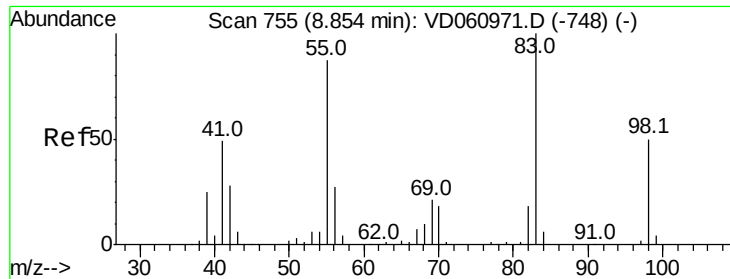
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#38
Carbon Tetrachloride
Concen: 27.325 ug/l m
RT: 7.13 min Scan# 580
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.8	116.8
121	29.8	25.3	37.9





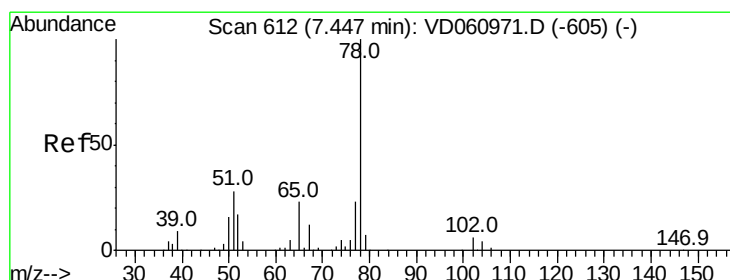
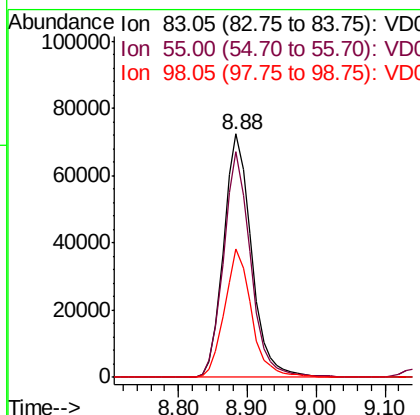
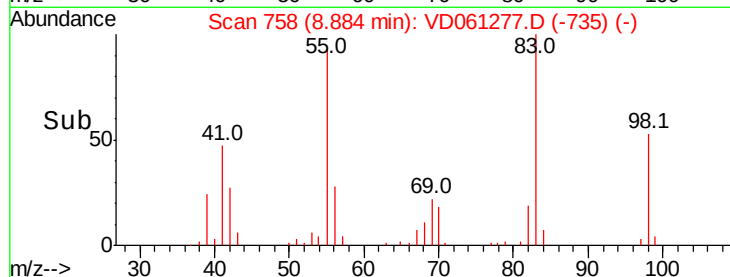
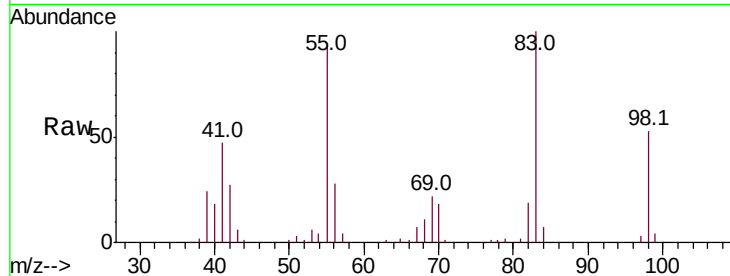
#39
Methylvlcyclohexane
Concen: 21.208 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	92.7	69.6	104.4	
98	52.5	40.0	60.0	

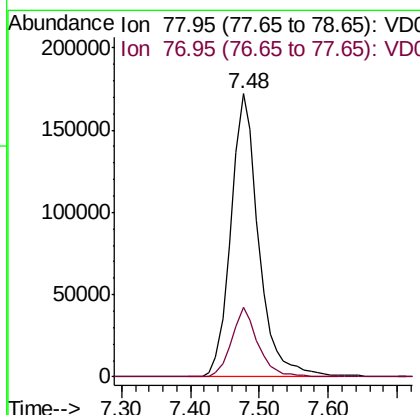
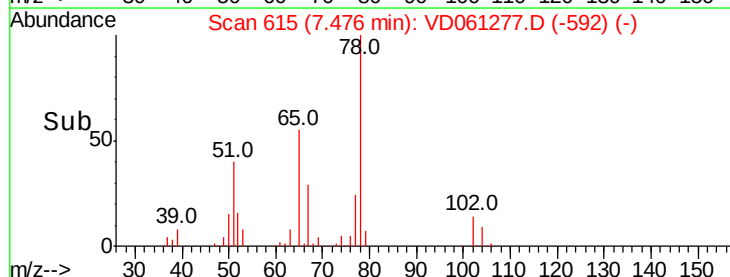
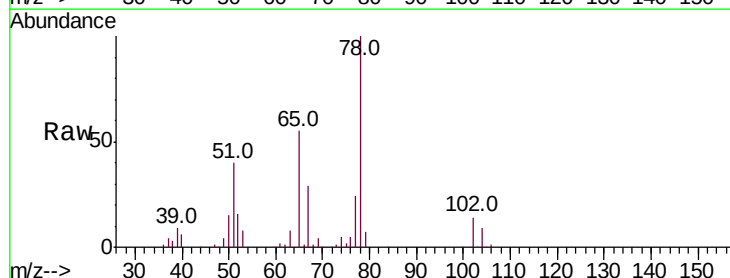
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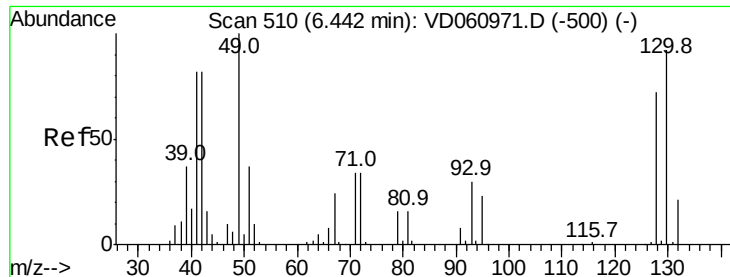
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#40
Benzene
Concen: 20.763 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.03 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.5	18.8	28.2	





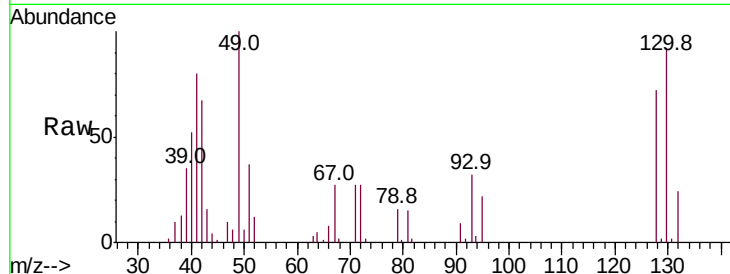
#41
Methacrylonitrile
Concen: 21.445 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.1	35.7	53.5
67	34.2	23.0	34.6
52	14.4	9.2	13.8

Manual Integrations
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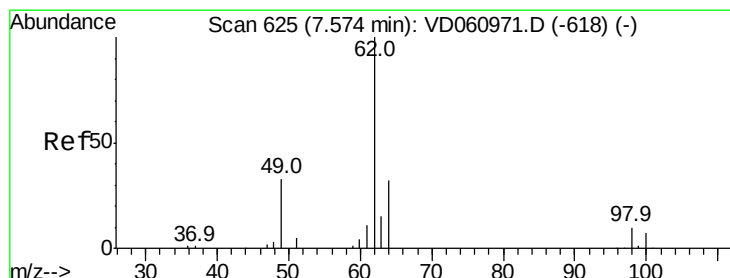
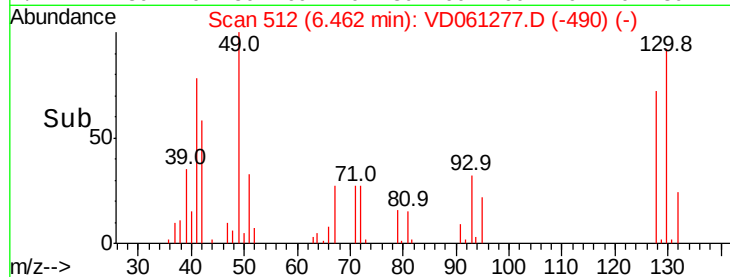
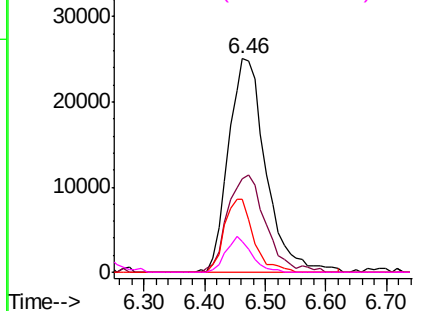
Abundance

Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

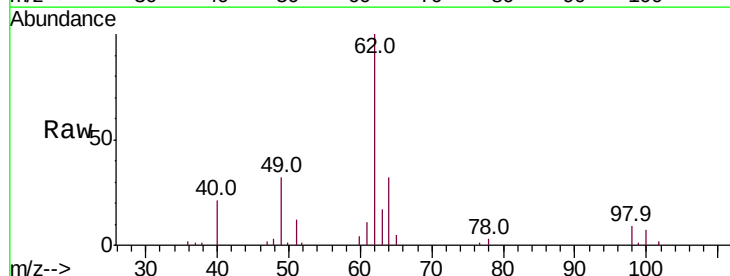
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 22.243 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.03 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

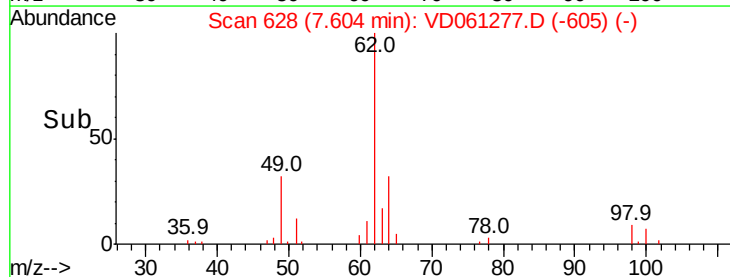
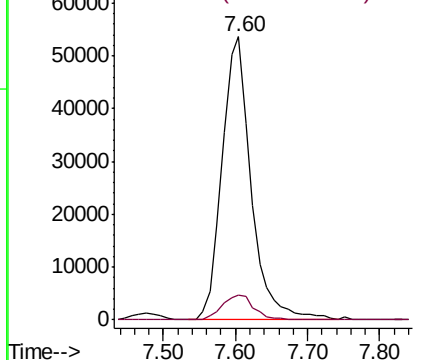
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	20.4

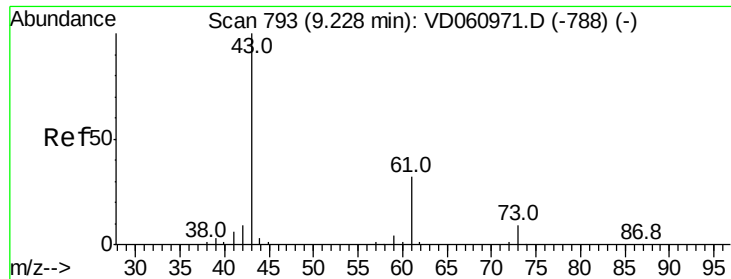


Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

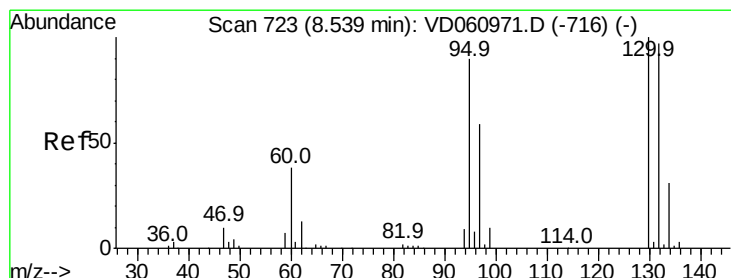
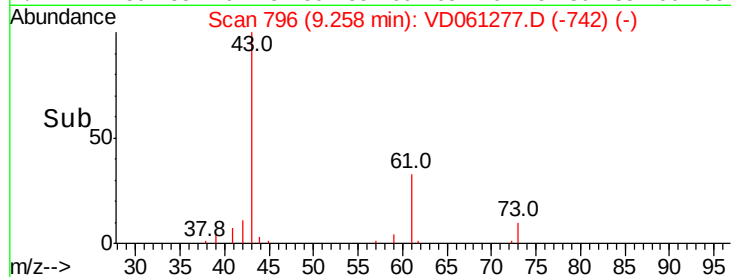
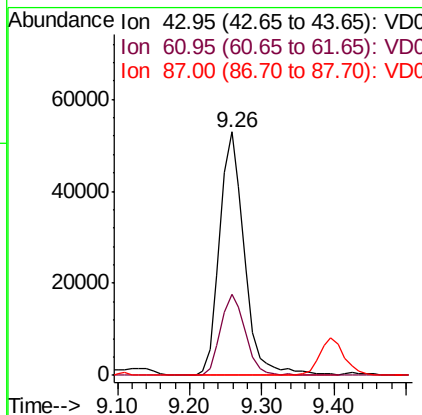
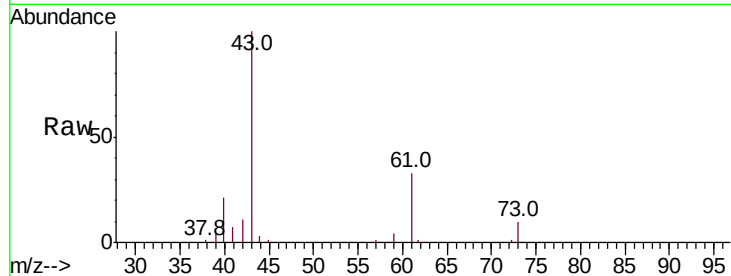
Isopropyl Acetate
 Concen: 20.880 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.03 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.2	25.6	38.4
87	0.0	0.2	0.4

Manual Integrations
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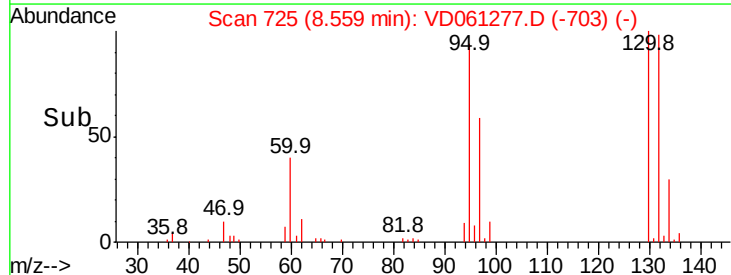
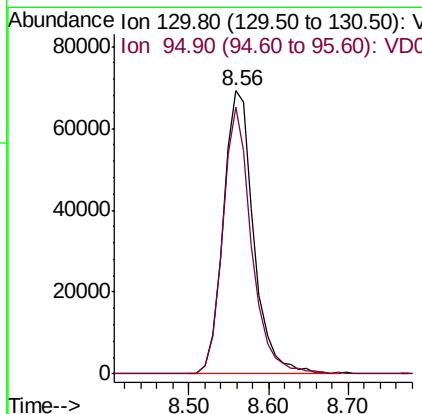
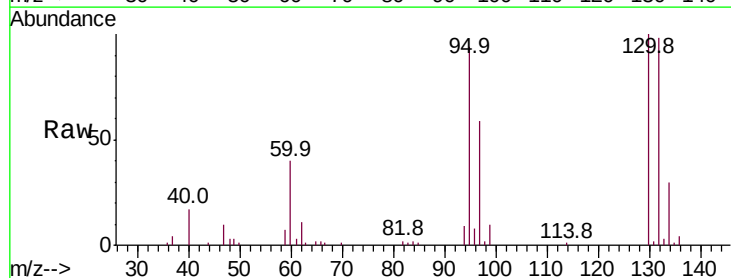
MMDadoda
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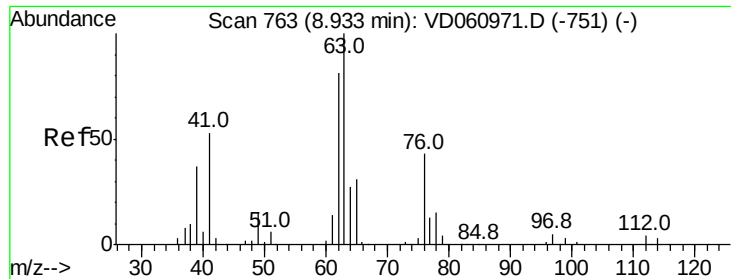


#44

Trichloroethene
 Concen: 23.087 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.02 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	179.4





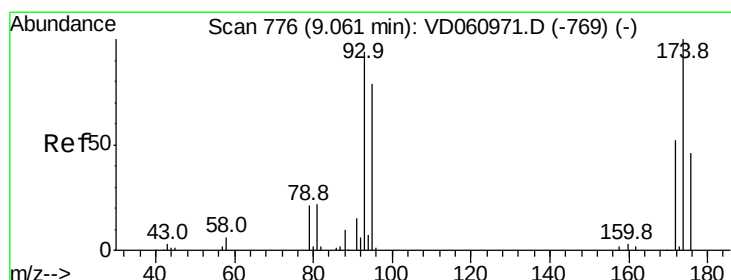
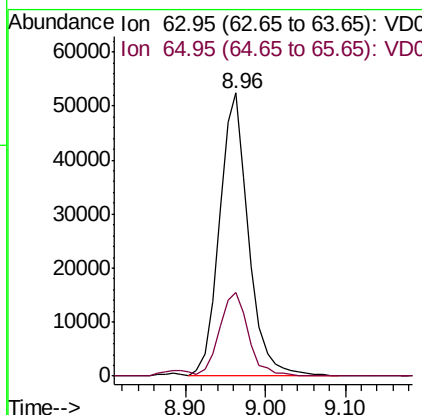
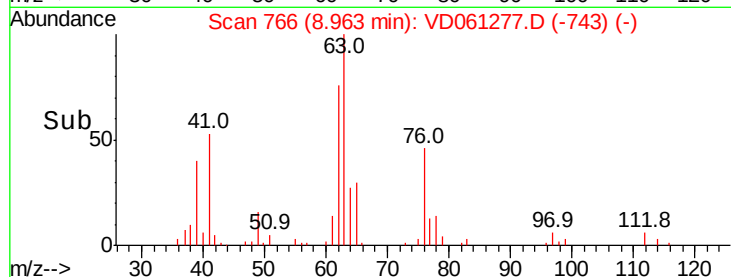
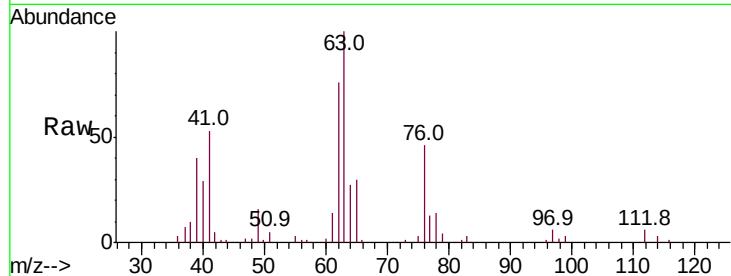
#45
 1,2-Dichloropropane
 Concen: 21.940 ug/l
 RT: 8.96 min Scan# 766
 Delta R.T. 0.03 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

Tot Ion: 63 Resp: 133648
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.8 37.2

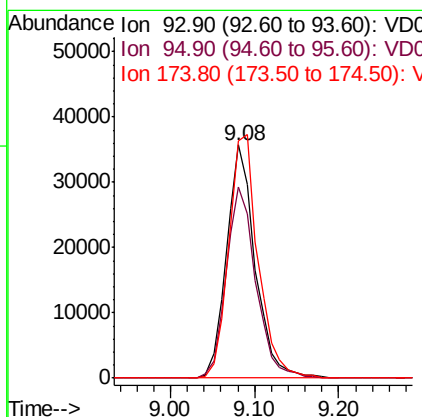
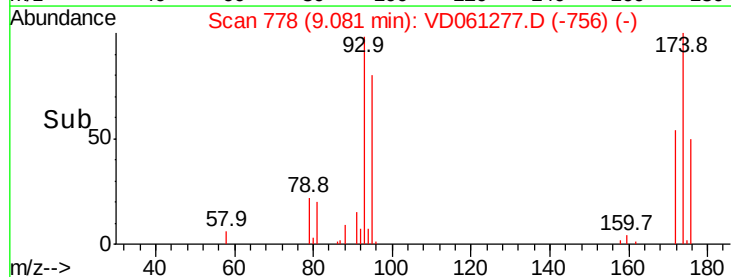
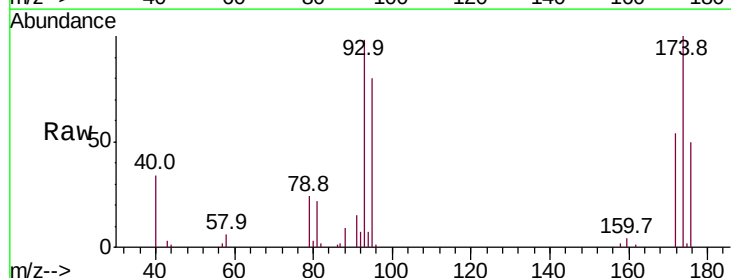
Manual Integrations
 APPROVED

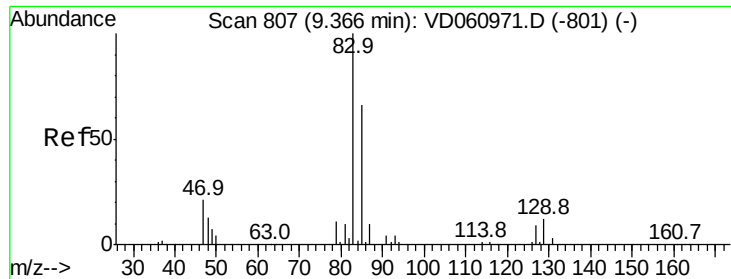
MMDadoda
 3/26/2019 2:40:33 PM



#46
 Dibromomethane
 Concen: 21.836 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.02 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Tgt Ion: 93 Resp: 84374
 Ion Ratio Lower Upper
 93 100
 95 82.0 67.4 101.0
 174 102.1 85.4 128.0





#47

Bromodichloromethane

Concen: 22.193 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.03 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

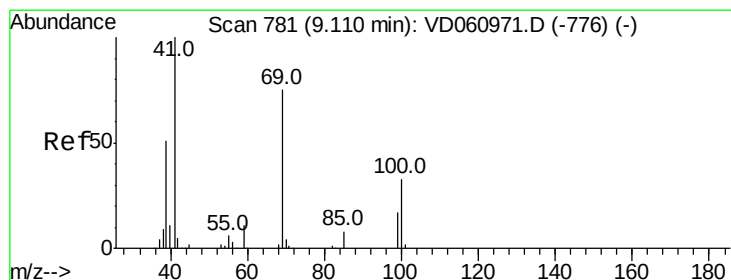
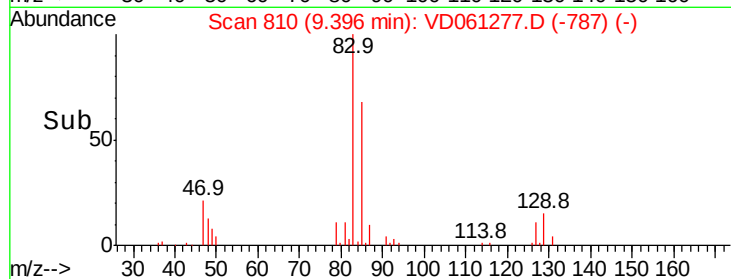
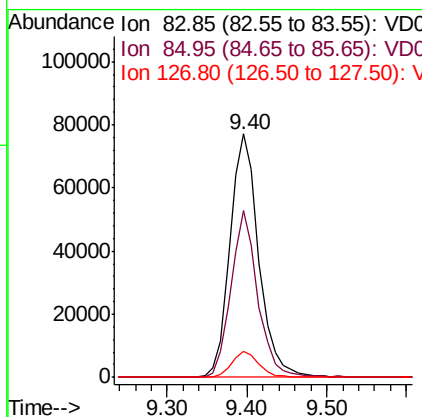
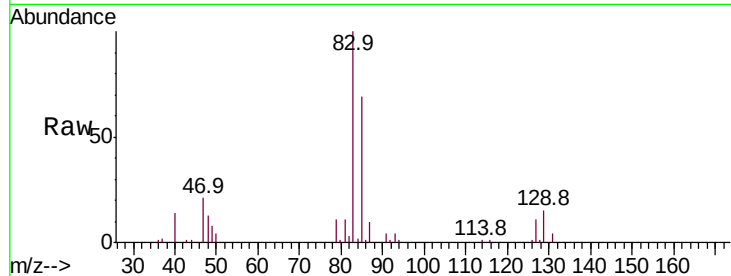
ClientSampleId :

VD0323SBS01

Tot Ion:	83	Resp:	193510
Ion	Ratio	Lower	Upper
83	100		
85	68.7	52.5	78.7
127	10.9	7.5	11.3

Manual Integrations
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3/26/2019 2:40:33 PM



#48

Methyl methacrylate

Concen: 21.827 ug/l

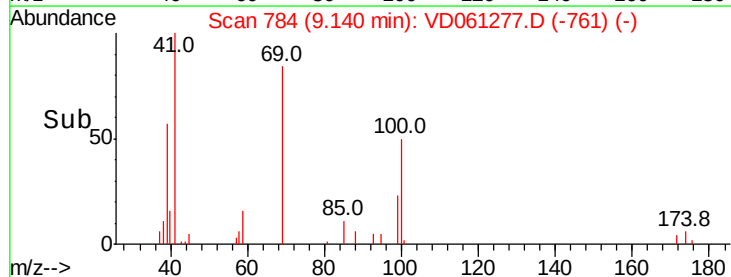
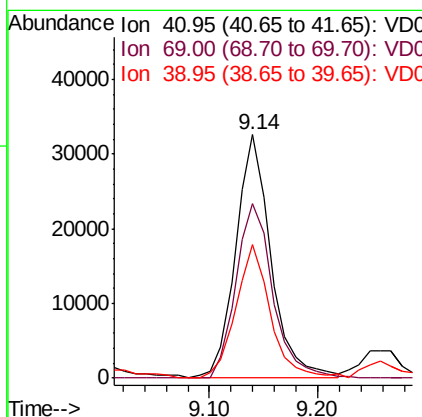
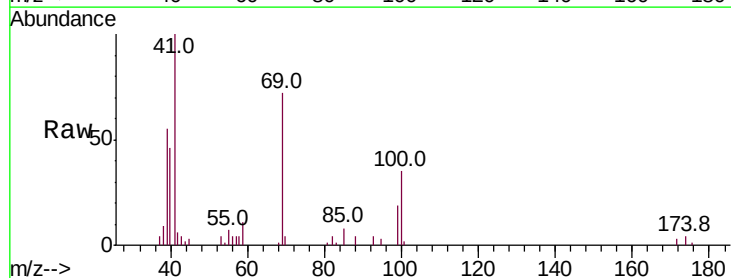
RT: 9.14 min Scan# 784

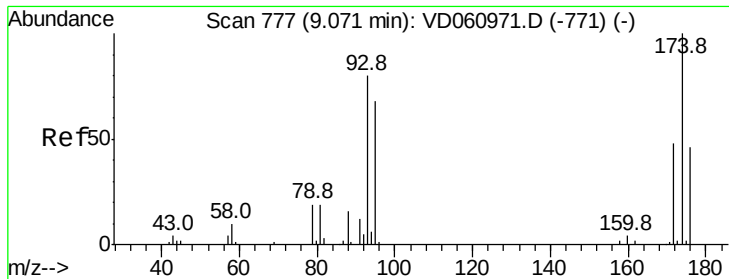
Delta R.T. 0.03 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Tgt Ion:	41	Resp:	74116
Ion	Ratio	Lower	Upper
41	100		
69	71.8	59.9	89.9
39	54.9	40.9	61.3





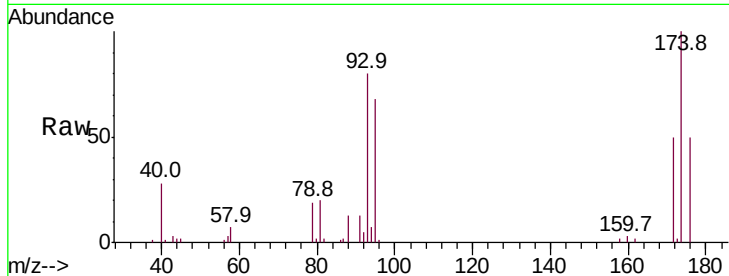
#49
1,4-Dioxane
Concen: 459.550 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

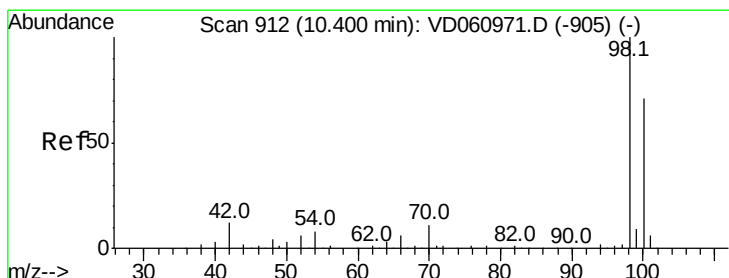
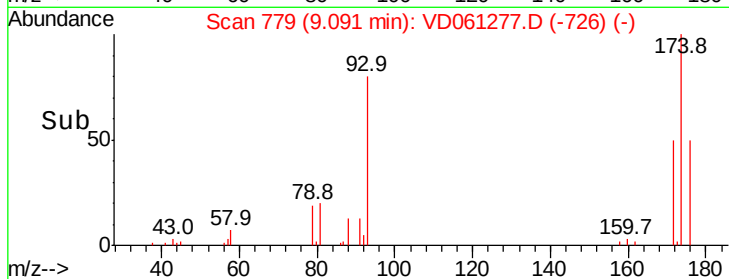
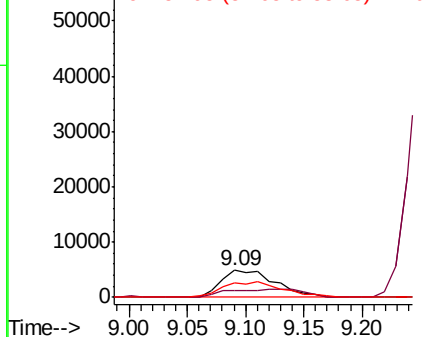
Tot Ion	Ratio	Lower	Upper
88	100		
43	23.2	21.0	31.6
58	54.8	48.6	72.8

Manual Integrations
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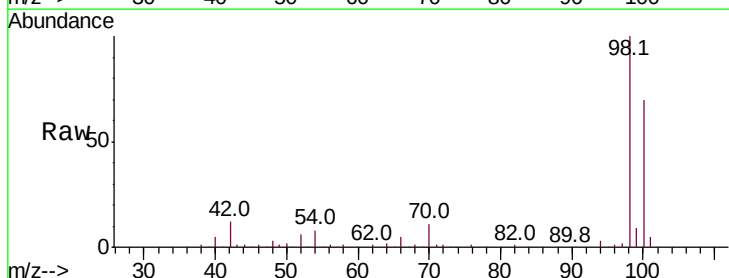


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

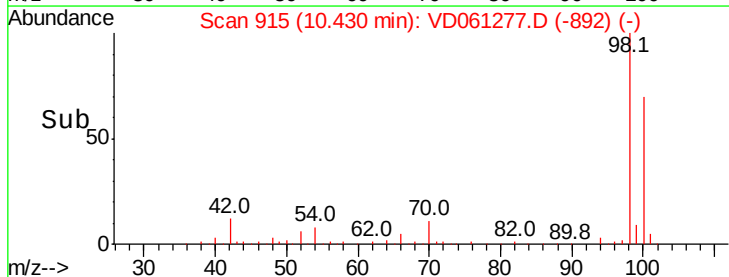
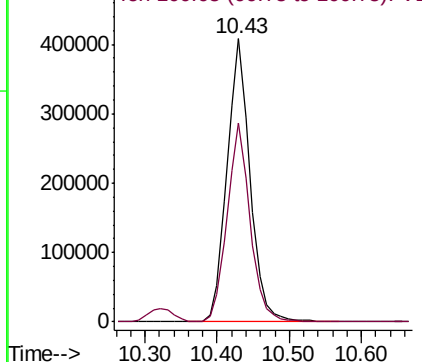


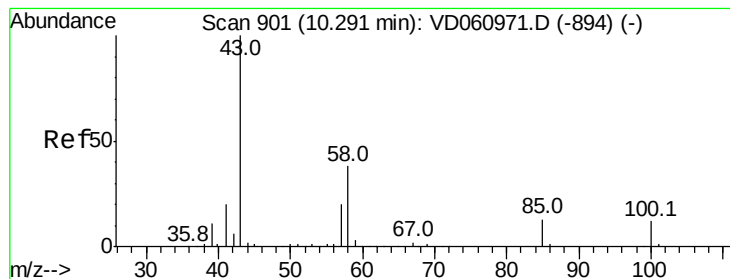
#50
Toluene-d8
Concen: 459.550 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.2	57.4	86.2



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: 104.645 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.03 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 43 Resp: 386629

Ion Ratio Lower Upper

43 100

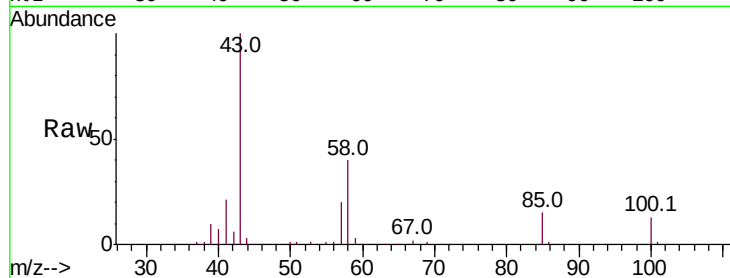
58 40.4 30.2 45.2

Manual Integrations

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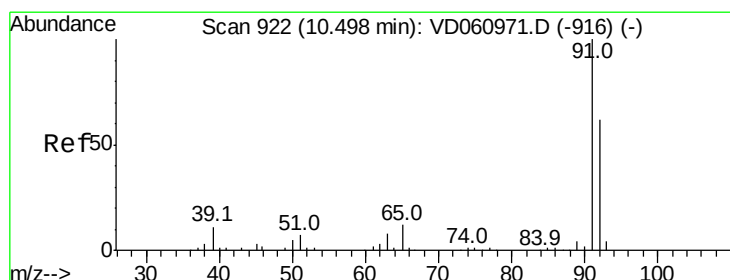
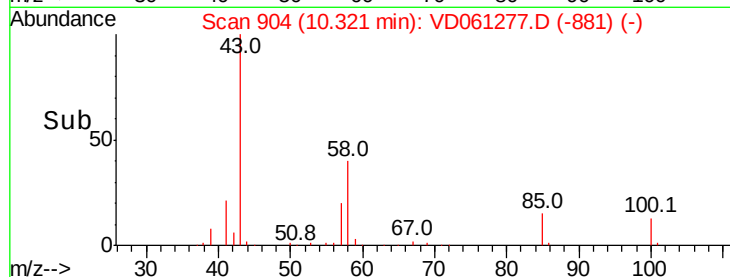
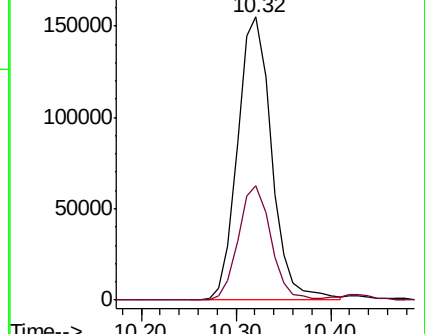
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.910 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD061277.D

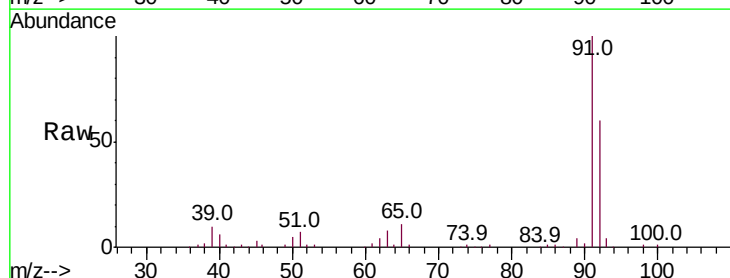
Acq: 23 Mar 2019 13:39

Tgt Ion: 92 Resp: 315895

Ion Ratio Lower Upper

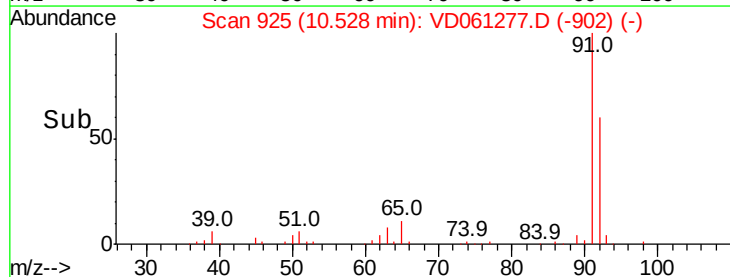
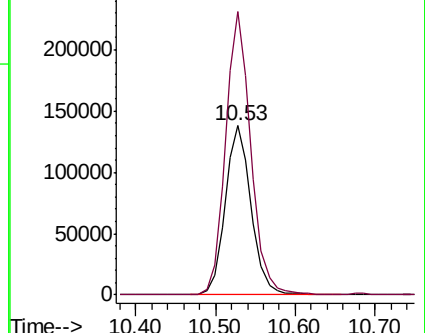
92 100

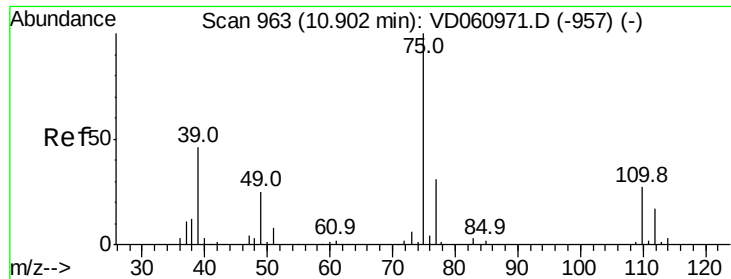
91 167.4 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





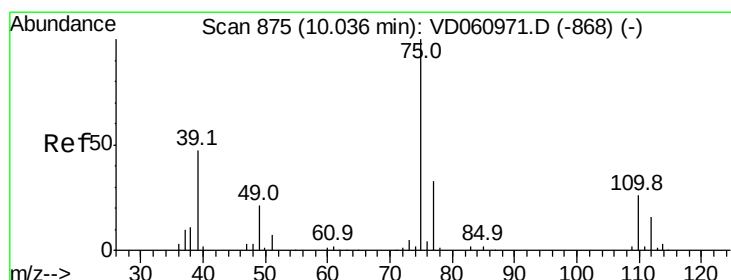
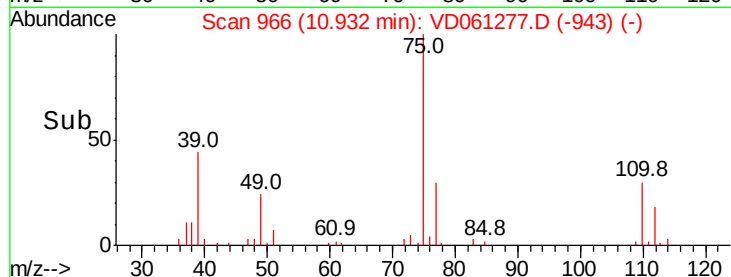
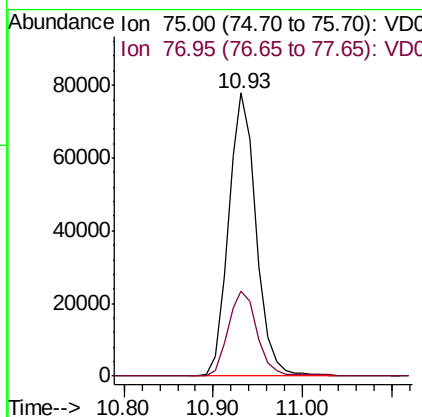
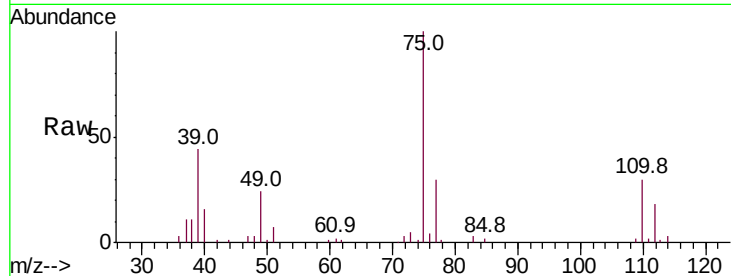
#53
 t-1,3-Dichloropropene
 Concen: 21.203 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

Tot Ion: 75 Resp: 169052
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.7 37.1

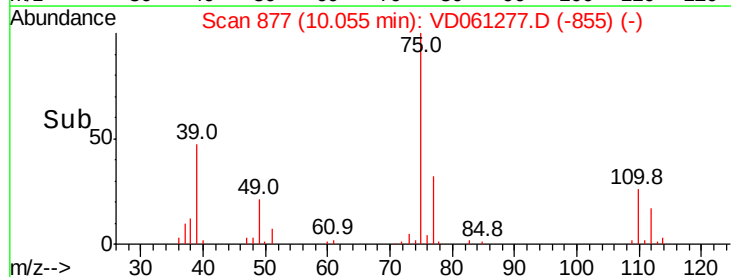
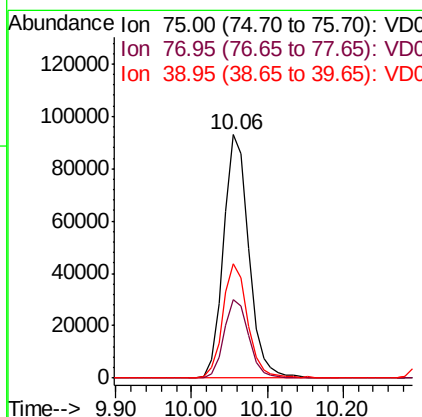
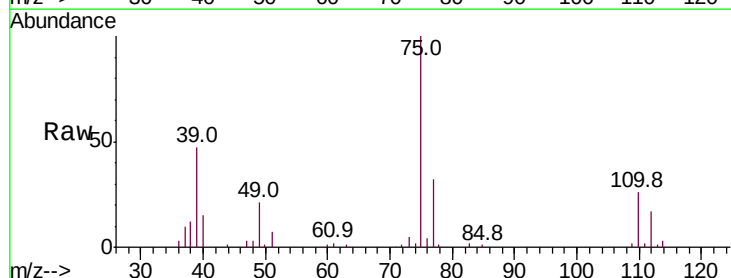
Manual Integrations
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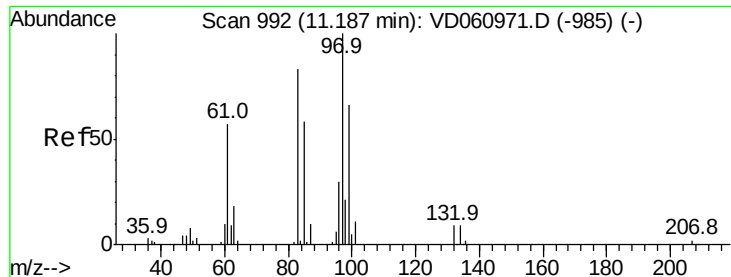
MMDadoda
 3/26/2019 2:40:33 PM



#54
 cis-1,3-Dichloropropene
 Concen: 22.532 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.02 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Tgt Ion: 75 Resp: 215847
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.4
 39 46.9 37.8 56.8





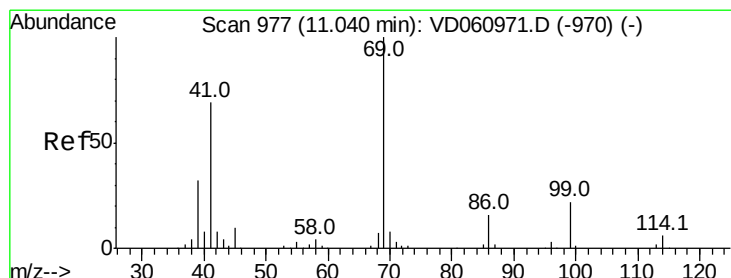
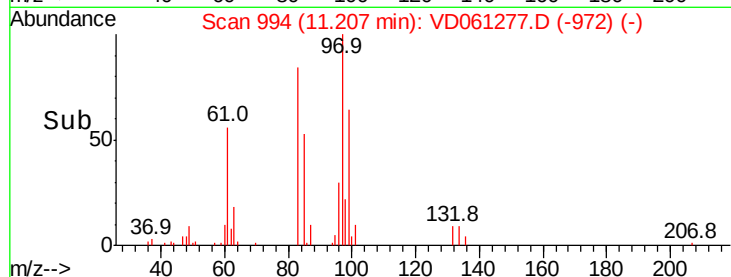
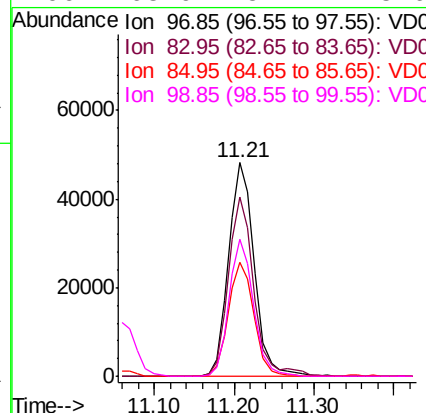
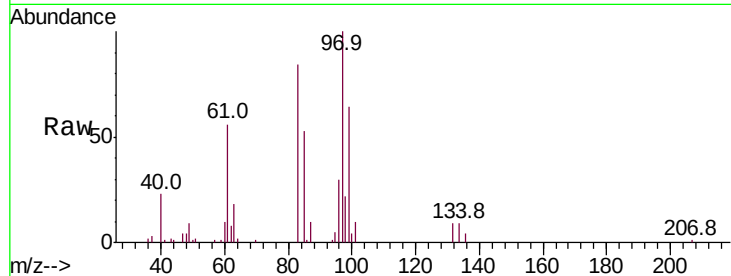
#55
1,1,2-Trichloroethane
Concen: 22.825 ug/l
RT: 11.21 min Scan# 994
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	109595		
83	83.9	66.6	100.0	
85	53.2	46.4	69.6	
99	63.9	52.4	78.6	

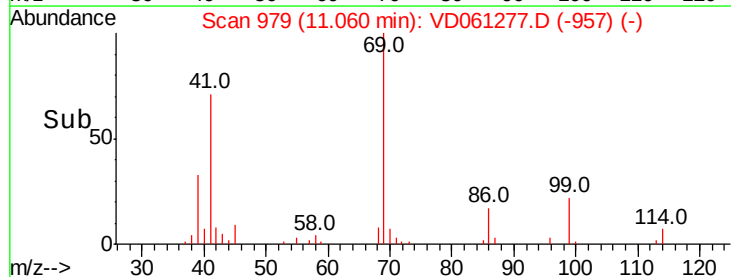
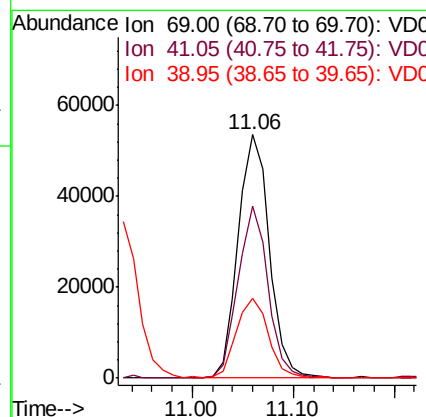
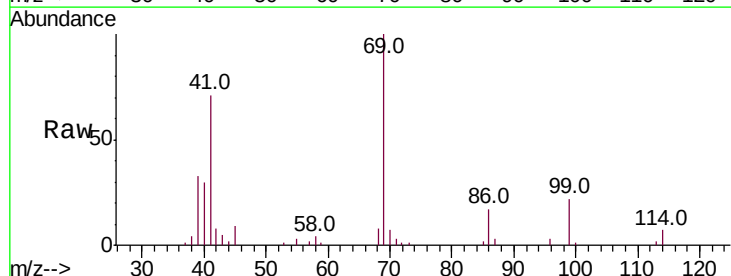
Manual Integrations
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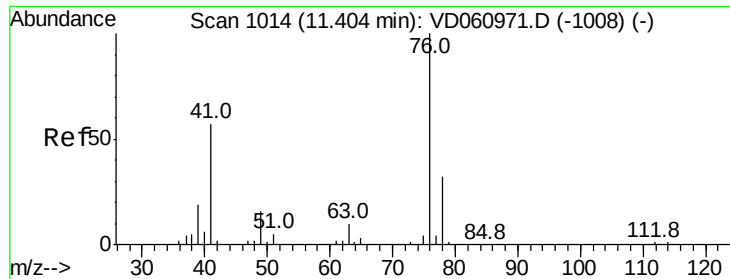
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3/26/2019 2:40:33 PM



#56
Ethyl methacrylate
Concen: 22.971 ug/l
RT: 11.06 min Scan# 979
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	115448		
41	70.5	55.5	83.3	
39	32.8	26.2	39.2	





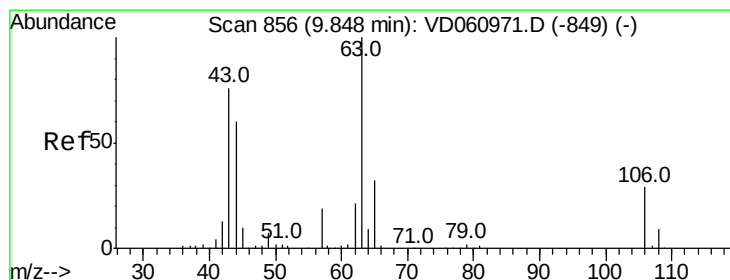
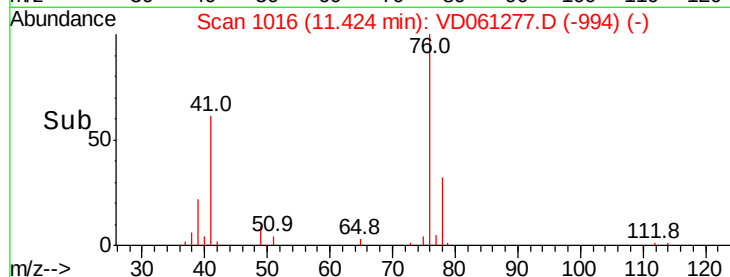
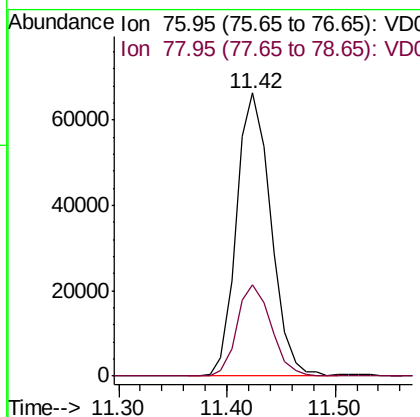
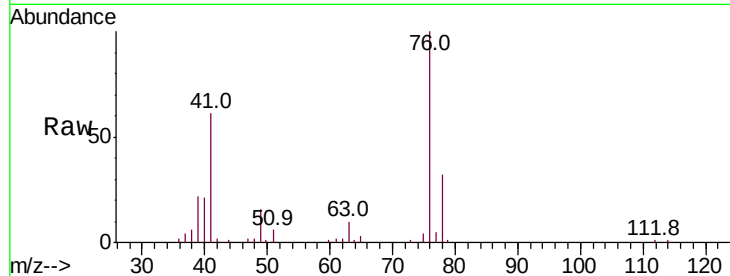
#57
 1,3-Dichloropropane
 Concen: 20.392 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

Tot Ion: 76 Resp: 146317
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.4 38.0

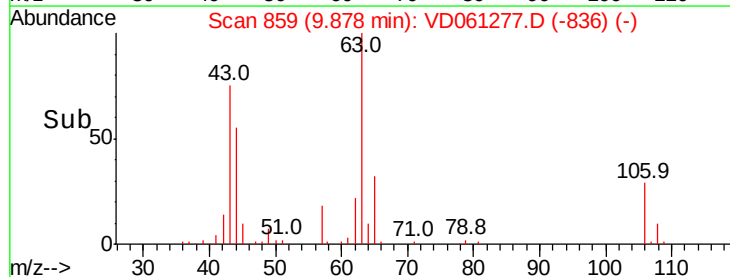
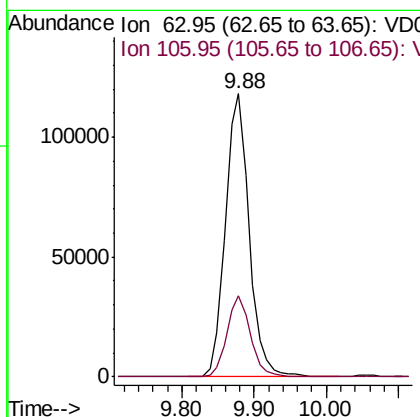
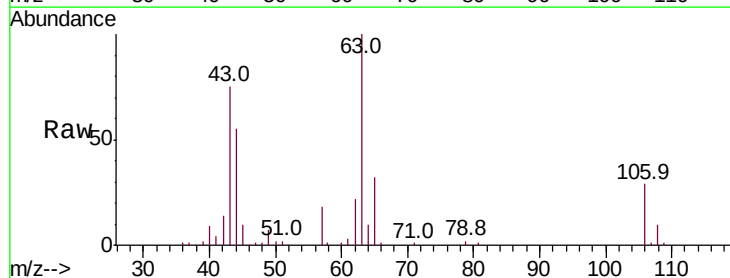
Manual Integrations
 APPROVED

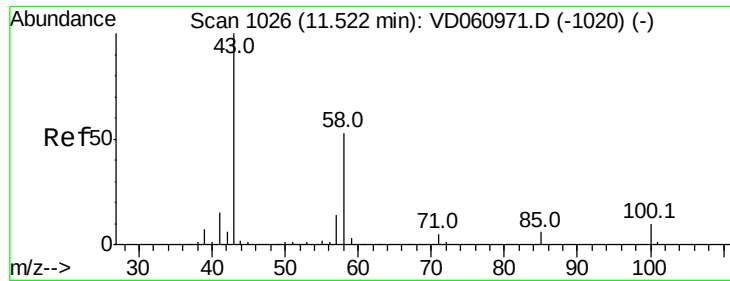
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 3/26/2019 2:40:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.145 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.03 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Tgt Ion: 63 Resp: 269071
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.8 34.2





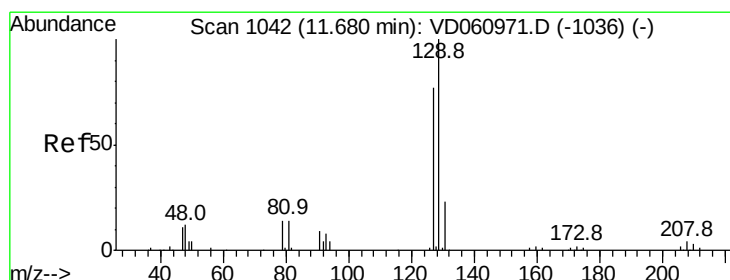
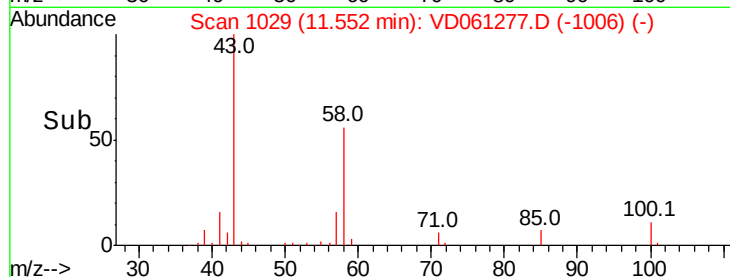
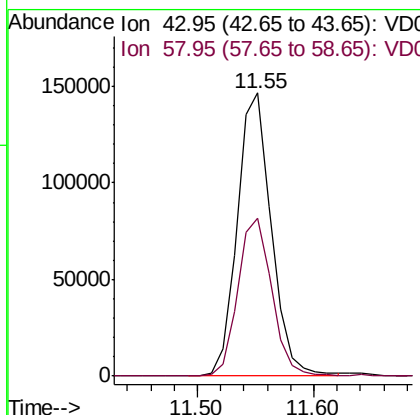
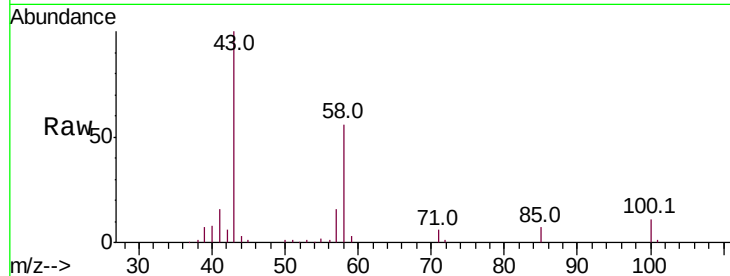
#59
2-Hexanone
Concen: 109.407 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion: 43 Resp: 295688
Ion Ratio Lower Upper
43 100
58 55.9 26.5 79.5

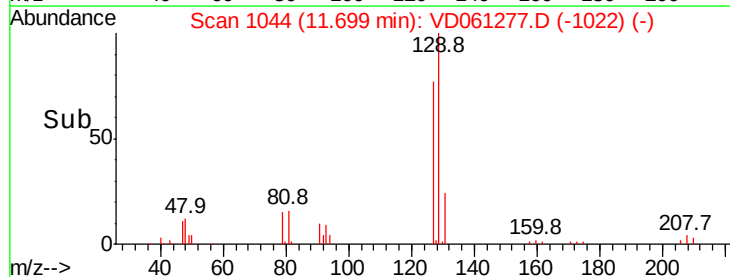
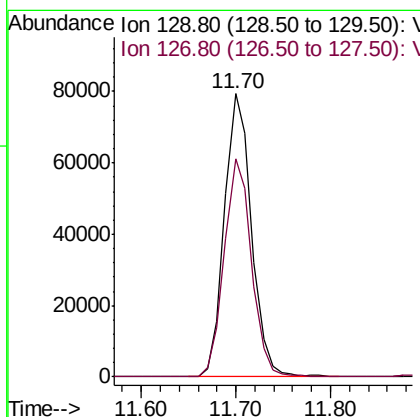
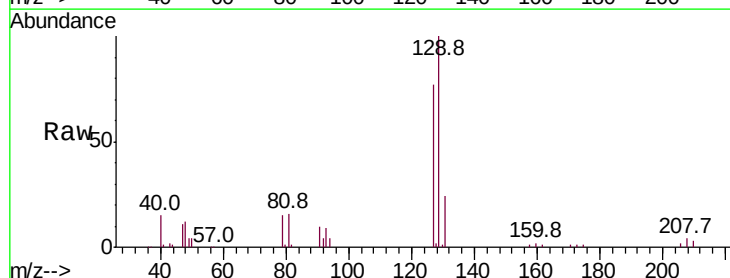
Manual Integrations
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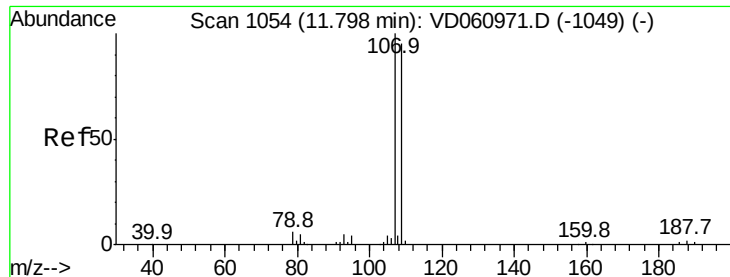
MMDadoda
3/26/2019 2:40:33 PM



#60
Dibromochloromethane
Concen: 22.218 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion: 129 Resp: 157000
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.9





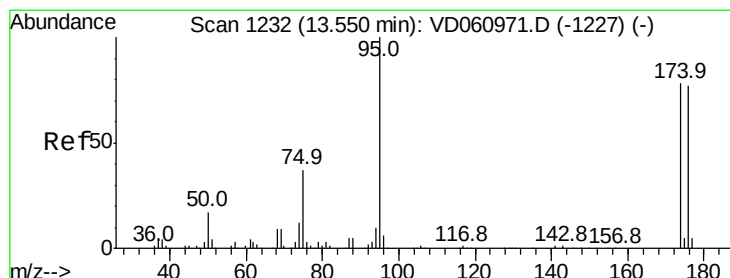
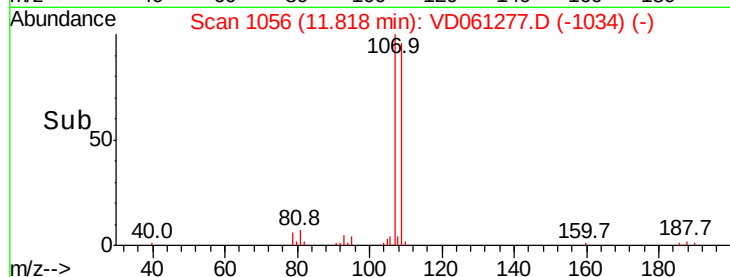
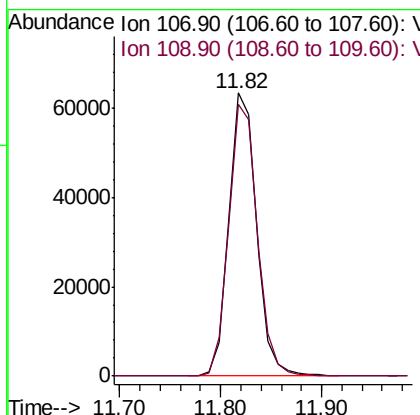
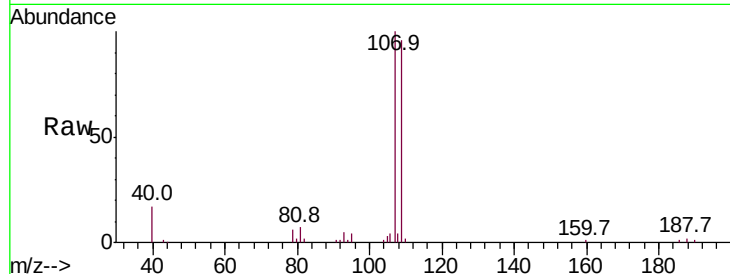
#61
1,2-Dibromoethane
Concen: 21.555 ug/l
RT: 11.82 min Scan# 1056
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion: 107 Resp: 120393
Ion Ratio Lower Upper
107 100
109 96.0 75.6 113.4

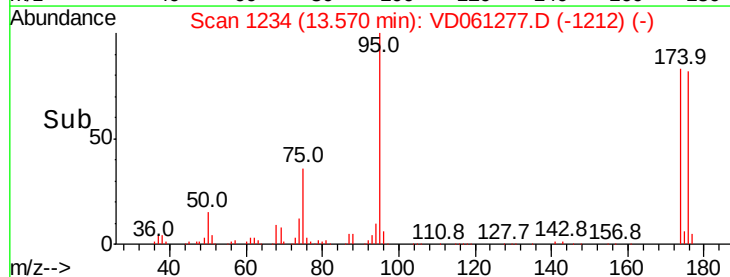
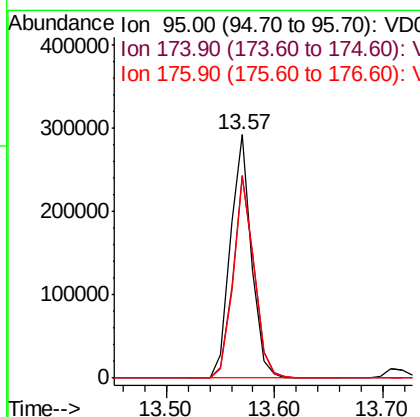
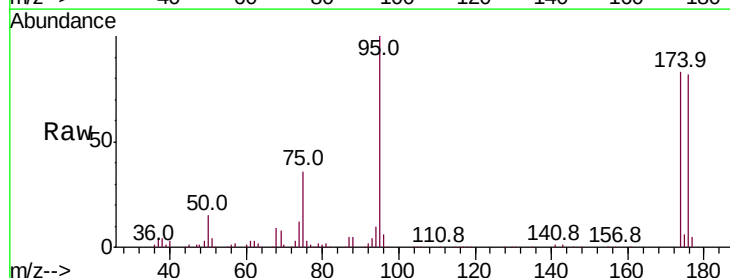
Manual Integrations
APPROVED

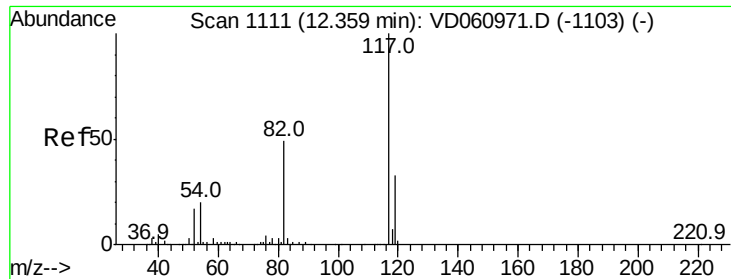
MMDadoda
3/26/2019 2:40:33 PM



#62
4-Bromofluorobenzene
Concen: 21.555 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion: 95 Resp: 393295
Ion Ratio Lower Upper
95 100
174 83.4 0.0 155.6
176 82.5 0.0 153.8





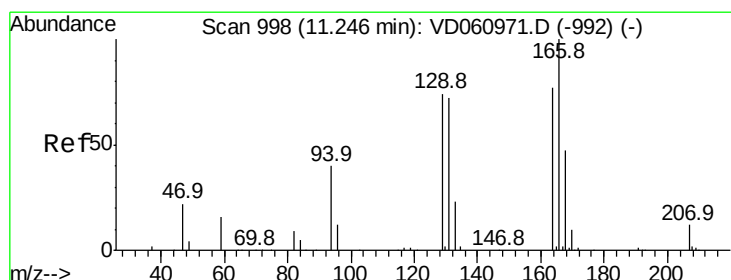
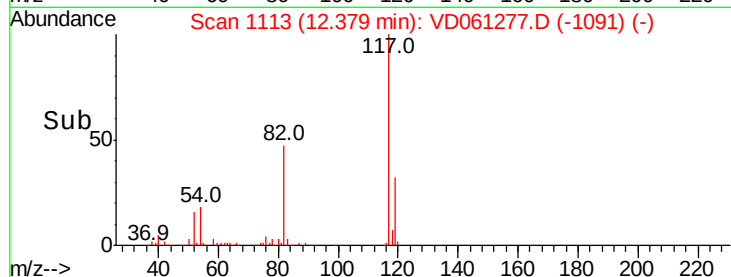
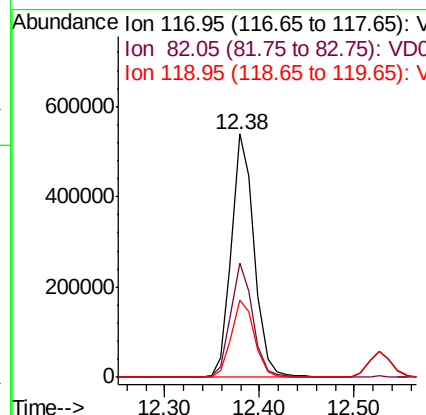
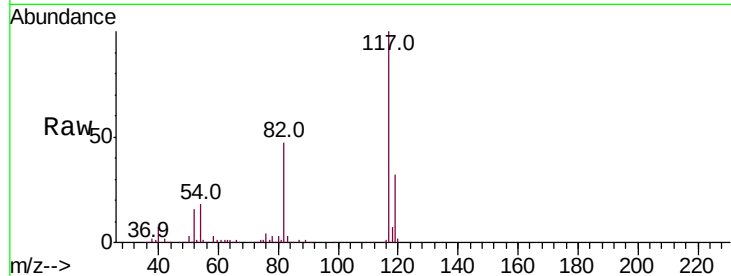
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	46.9	38.9	58.3	
119	31.9	26.6	39.8	

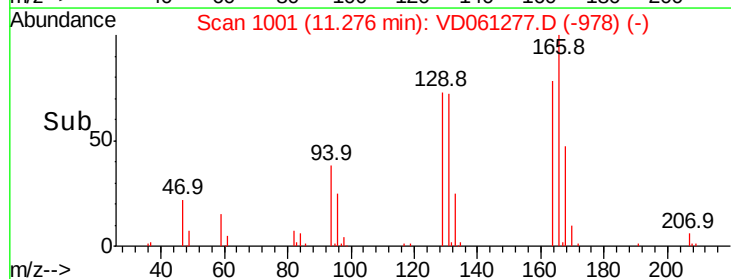
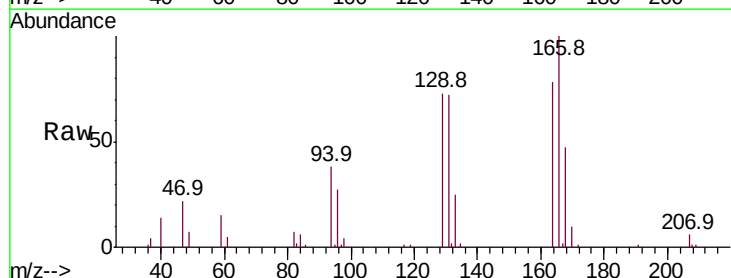
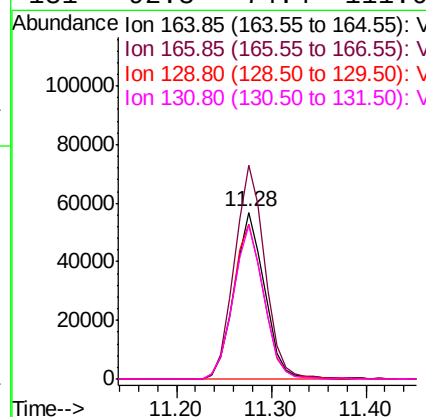
Manual Integrations
APPROVED

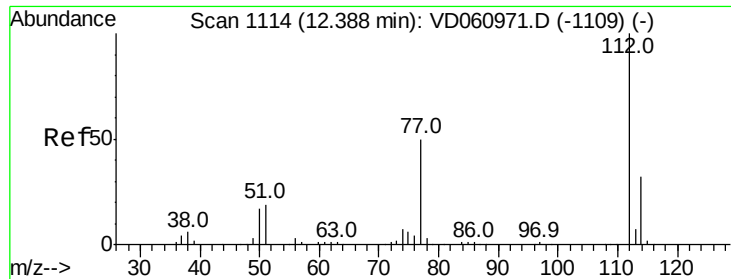
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3/26/2019 2:40:33 PM



#64
Tetrachloroethene
Concen: 20.753 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	128.3	103.4	155.0	
129	93.0	76.9	115.3	
131	92.3	74.4	111.6	





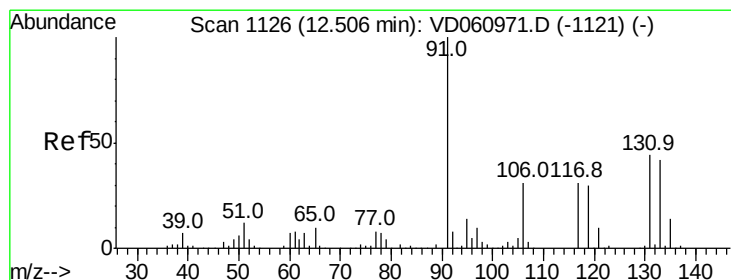
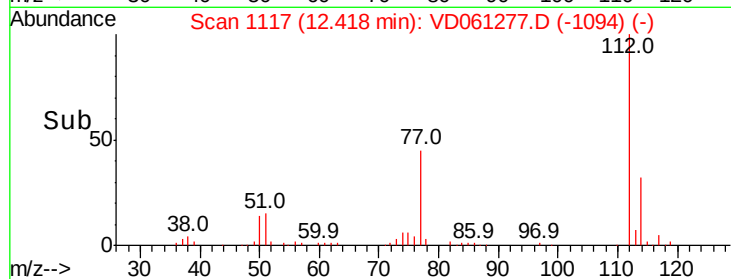
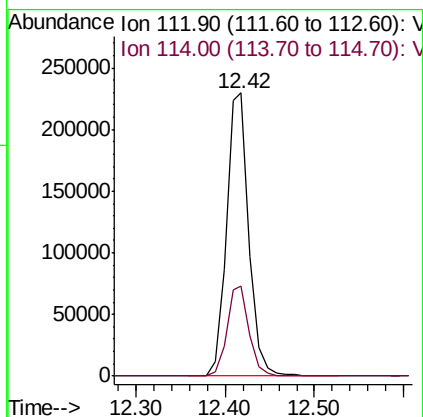
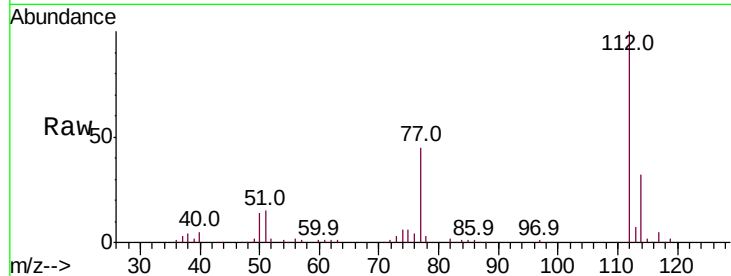
#65
Chlorobenzene
Concen: 22.911 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.03 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampled :
VD0323SBS01

Tot Ion:112 Resp: 404356
Ion Ratio Lower Upper
112 100
114 31.7 26.0 39.0

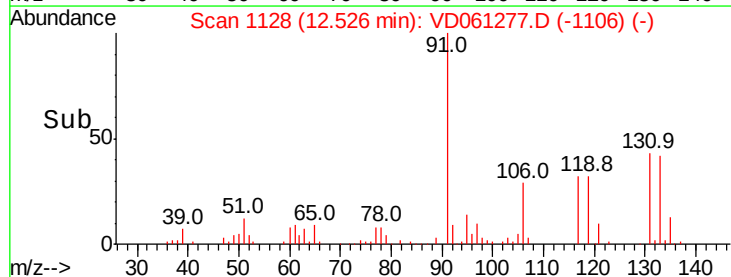
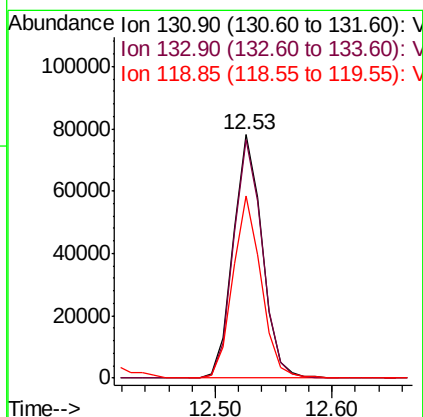
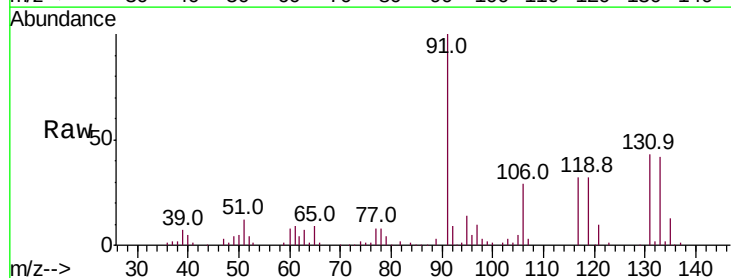
Manual Integrations
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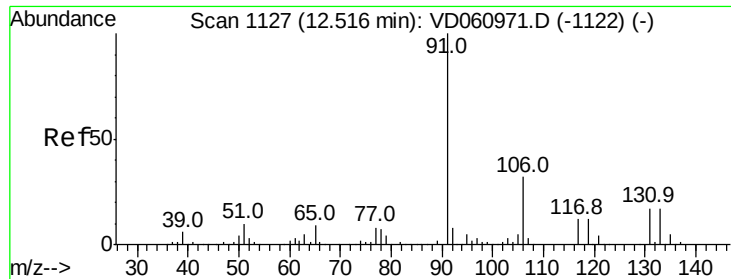
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.304 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion:131 Resp: 134022
Ion Ratio Lower Upper
131 100
133 98.1 47.8 143.3
119 74.6 34.3 102.9





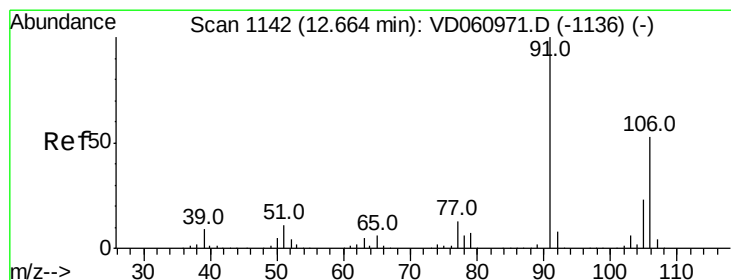
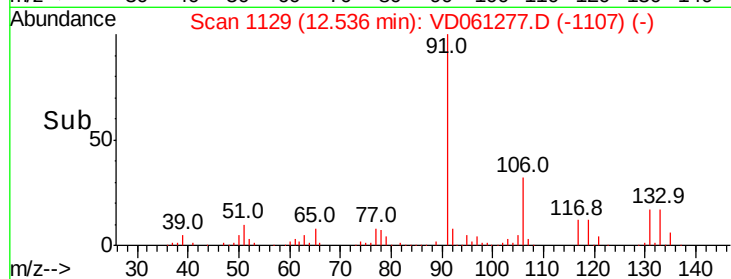
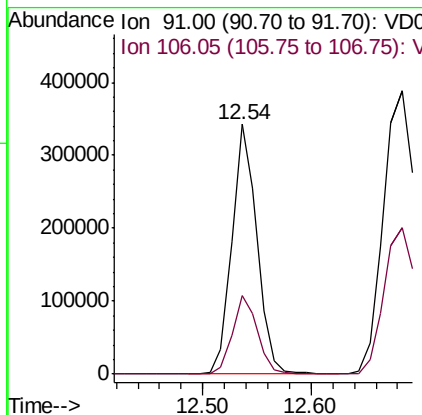
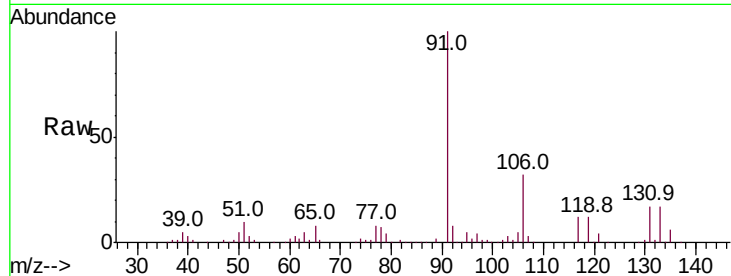
#67
Ethyl Benzene
Concen: 20.966 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion: 91 Resp: 550871
Ion Ratio Lower Upper
91 100
106 31.6 25.7 38.5

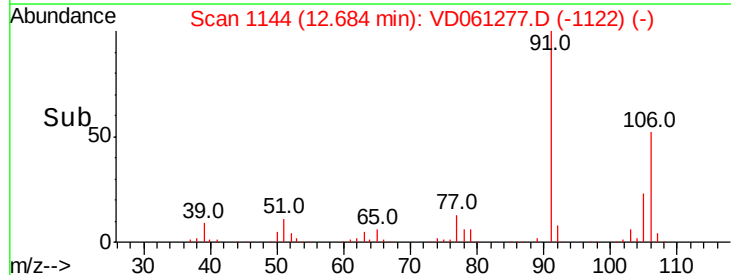
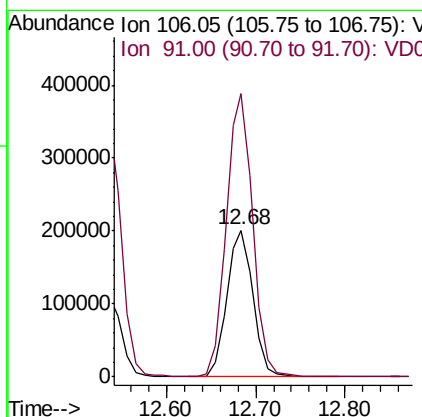
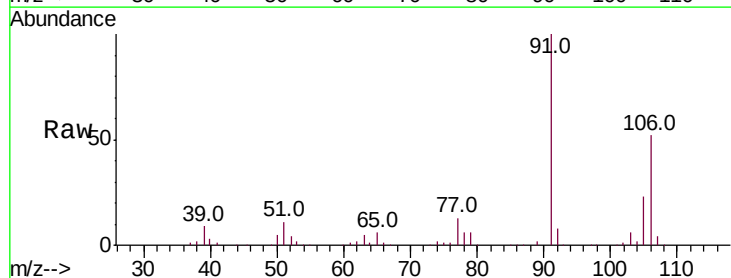
Manual Integrations
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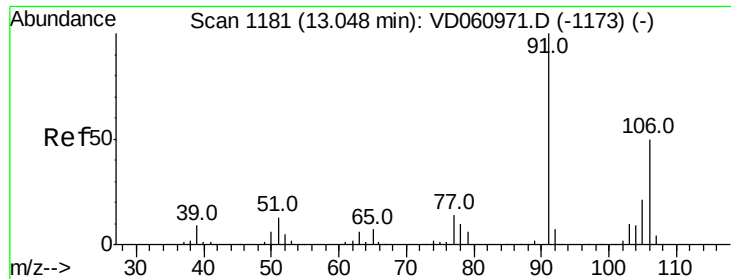
MMDadoda
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#68
m/p-Xylenes
Concen: 39.988 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion: 106 Resp: 412390
Ion Ratio Lower Upper
106 100
91 192.9 152.0 228.0





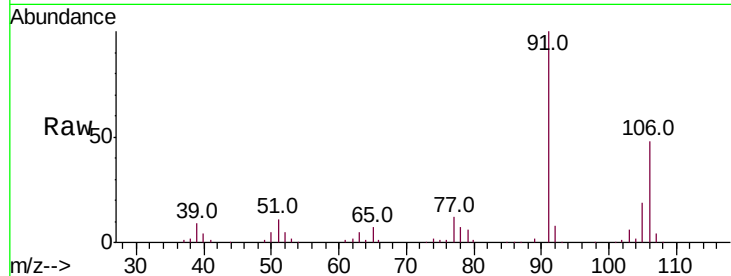
#69
o-Xylene
Concen: 21.097 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

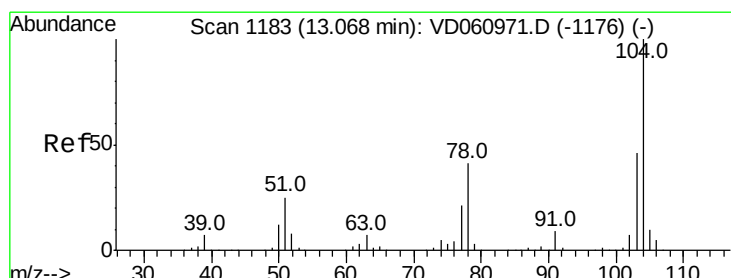
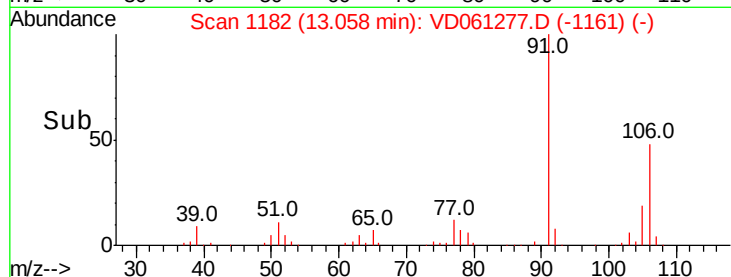
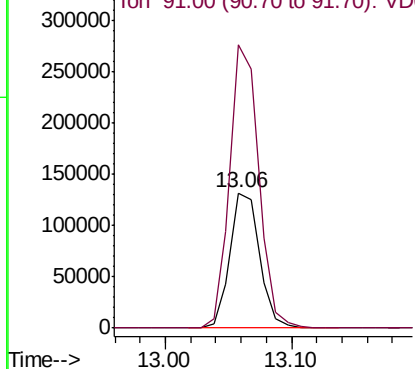
Tot Ion:106 Resp: 213866
Ion Ratio Lower Upper
106 100
91 209.3 99.8 299.3

Manual Integrations
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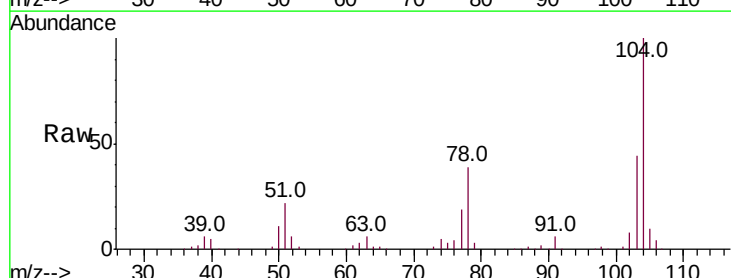


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

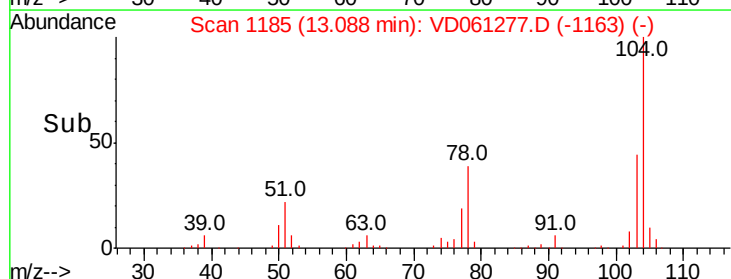
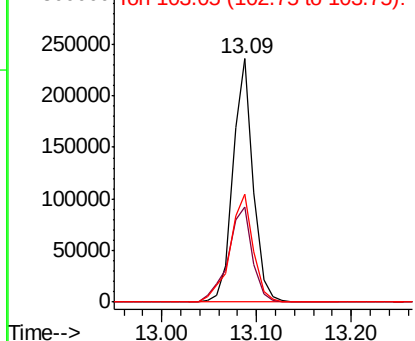


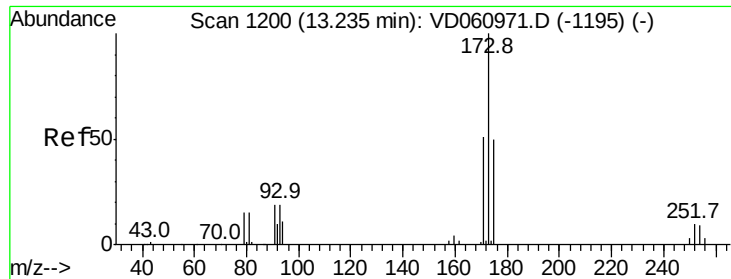
#70
Styrene
Concen: 20.935 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion:104 Resp: 346536
Ion Ratio Lower Upper
104 100
78 38.9 33.0 49.4
103 44.3 37.1 55.7



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





#71

Bromoform

Concen: 22.348 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion:173 Resp: 90696

Ion Ratio Lower Upper

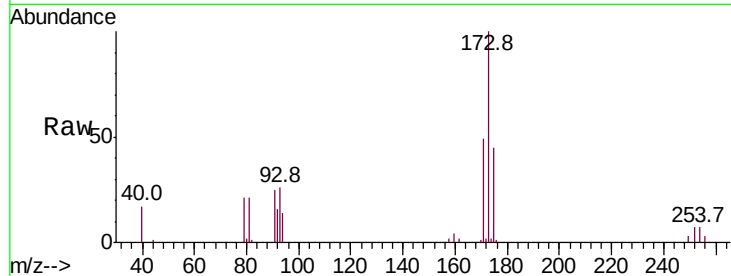
173 100

175 45.3 24.9 74.8

254 7.2 7.3 10.9#

Manual Integrations
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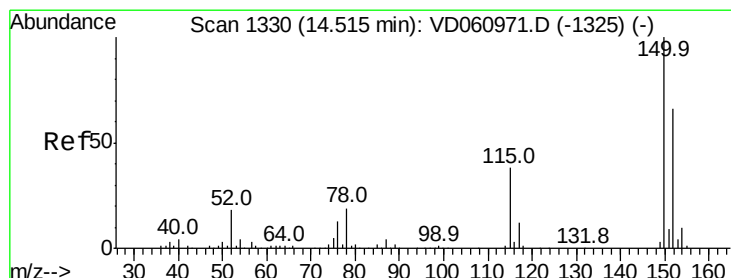
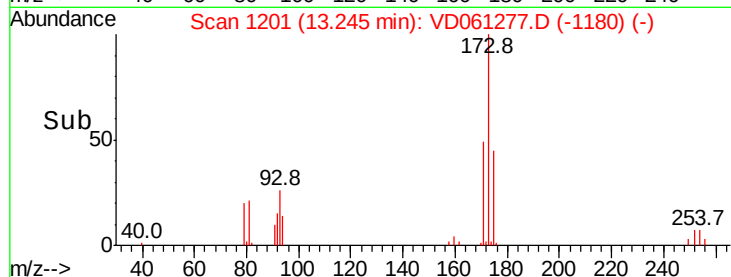
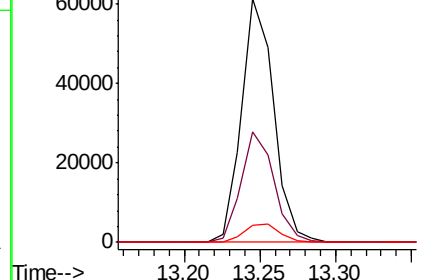
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Abundance Ion 172.80 (172.50 to 173.50): V

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: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

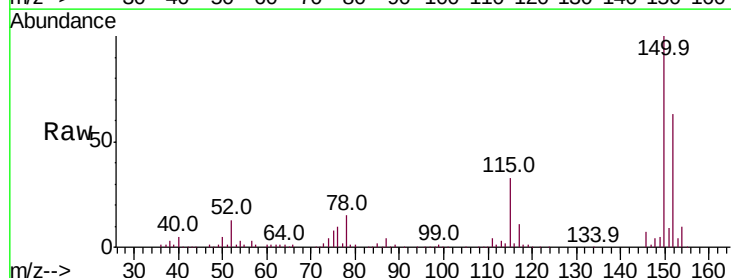
Tgt Ion:152 Resp: 388379

Ion Ratio Lower Upper

152 100

115 52.7 28.6 85.9

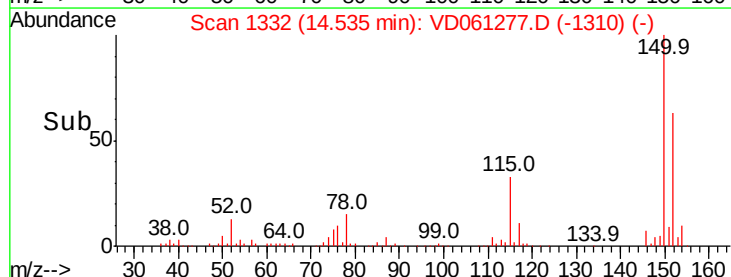
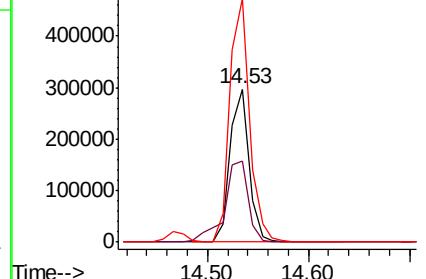
150 159.0 0.0 310.6

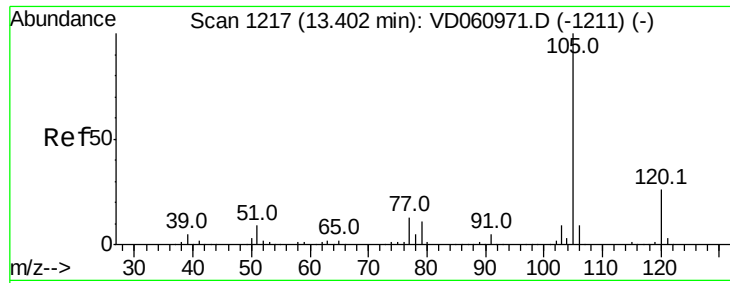


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.436 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 105 Resp: 599998

Ion Ratio Lower Upper

105 100

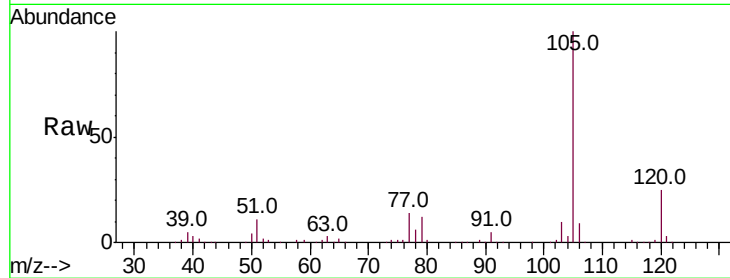
120 24.8 12.8 38.4

Manual Integrations

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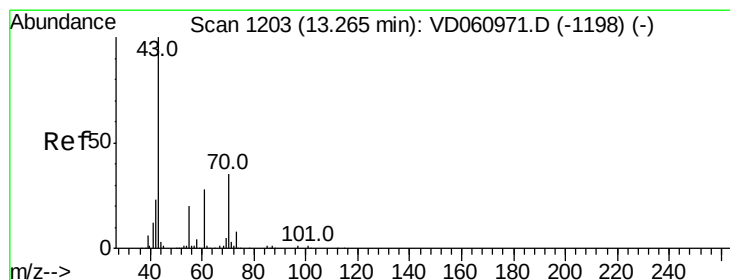
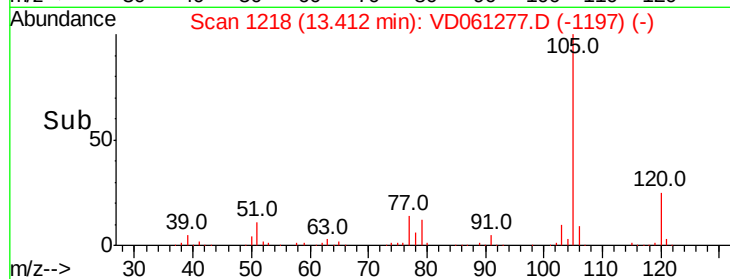
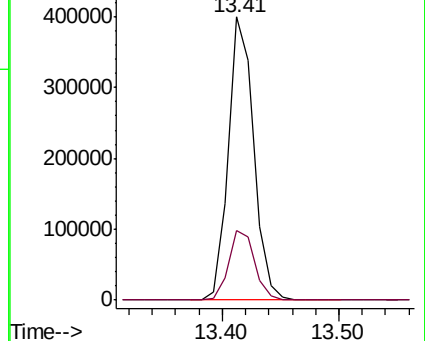
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.721 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Tgt Ion: 43 Resp: 155427

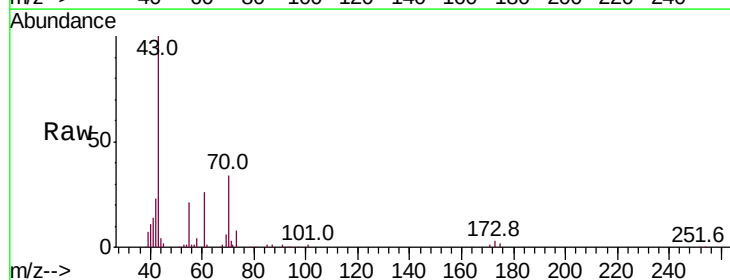
Ion Ratio Lower Upper

43 100

70 33.8 27.7 41.5

55 20.5 16.2 24.2

61 26.4 22.3 33.5

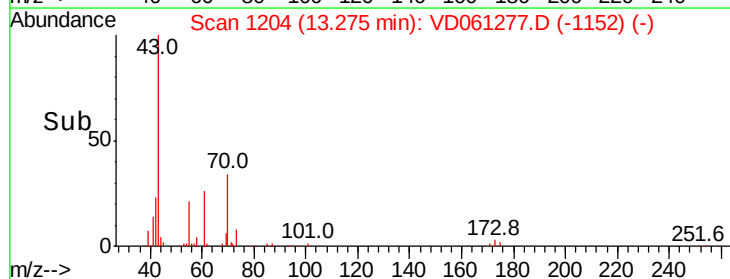
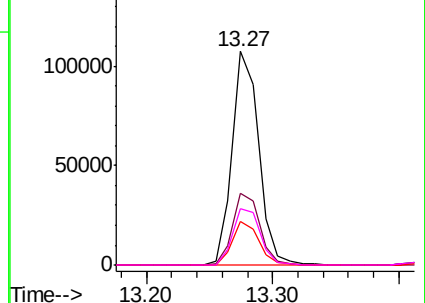


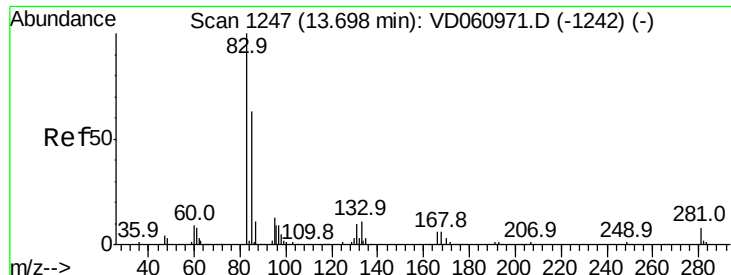
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.876 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 83 Resp: 114002

Ion Ratio Lower Upper

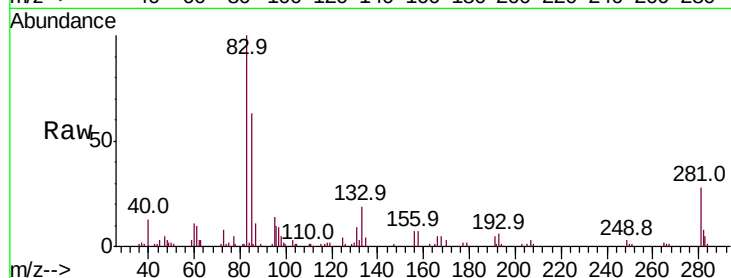
83 100

131 8.9 5.1 15.3

85 62.9 31.5 94.5

Manual Integrations
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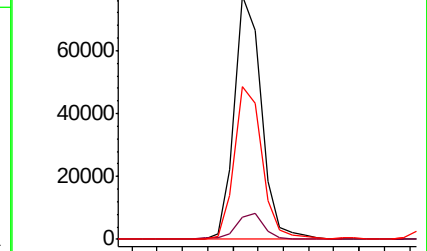
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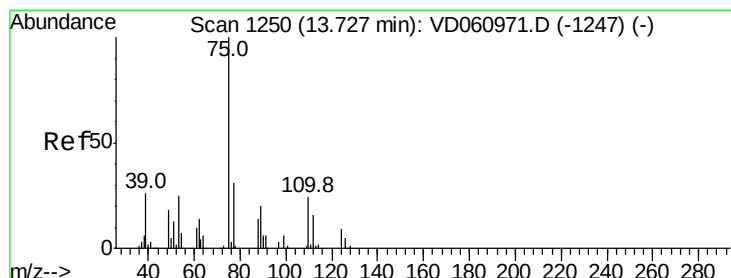
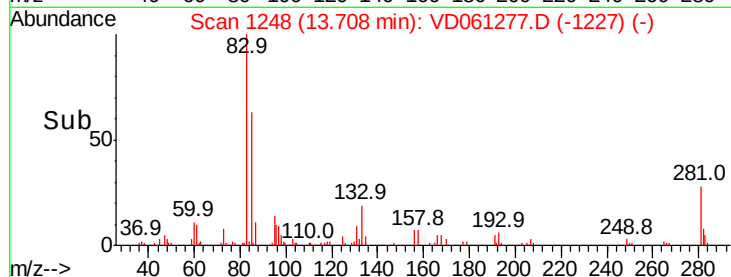
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



Time-->



#76

1,2,3-Trichloropropane

Concen: 21.342 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD061277.D

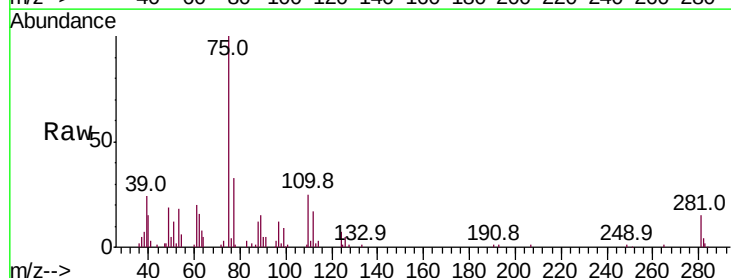
Acq: 23 Mar 2019 13:39

Tgt Ion: 75 Resp: 119248

Ion Ratio Lower Upper

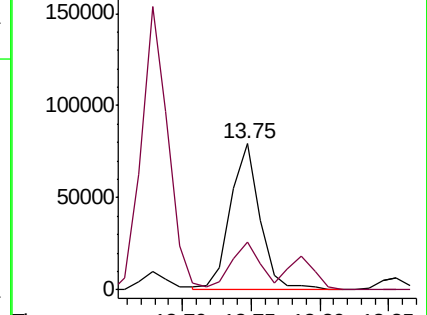
75 100

77 32.9 16.6 49.7

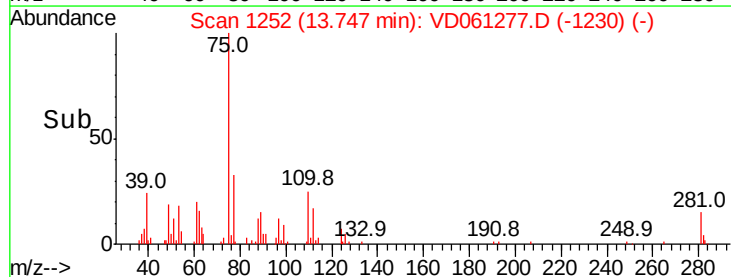


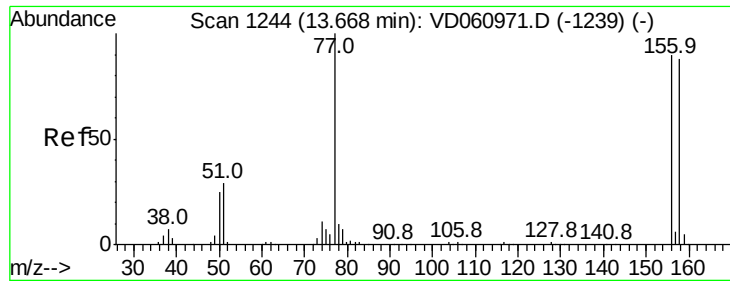
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



Time-->





#77

Bromobenzene

Concen: 22.804 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

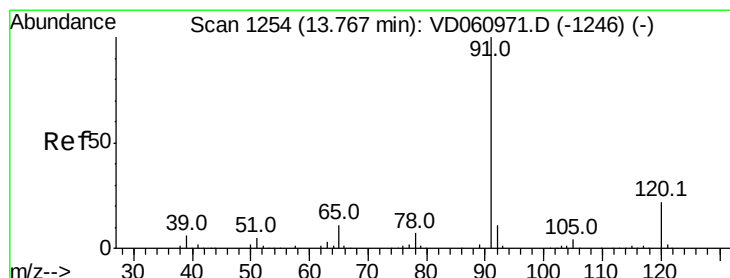
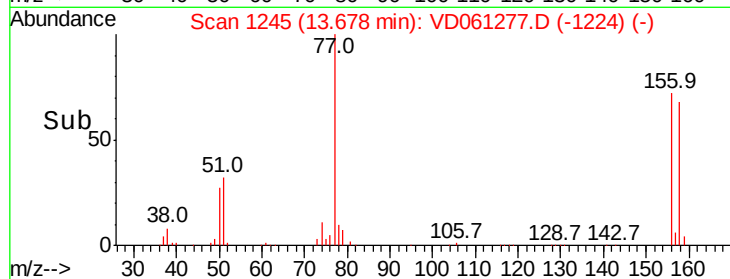
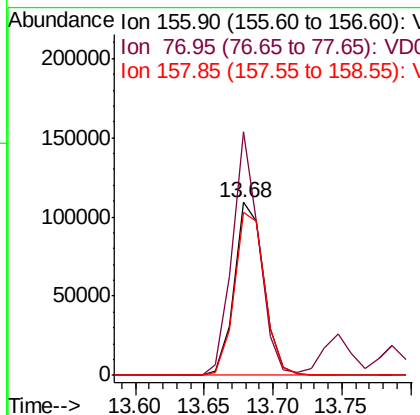
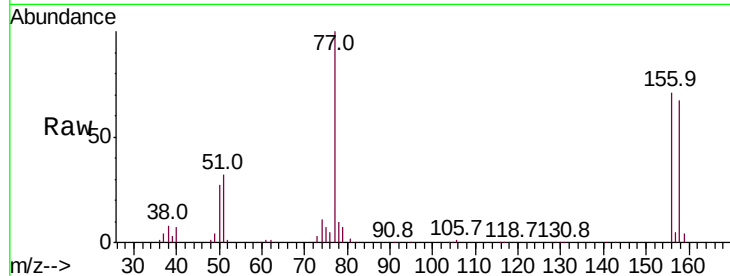
ClientSampleId :

VD0323SBS01

Tot Ion:	156	Resp:	162936
Ion Ratio	Lower	Upper	
156	100		
77	140.8	55.5	166.7
158	94.4	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 22.057 ug/l

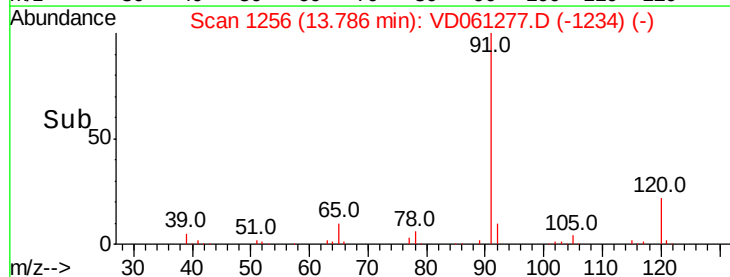
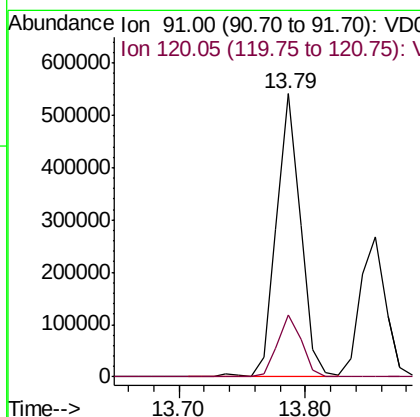
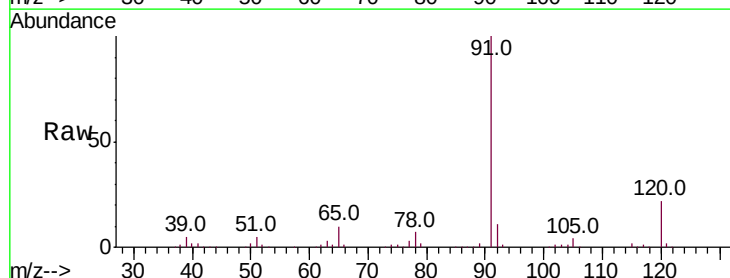
RT: 13.79 min Scan# 1256

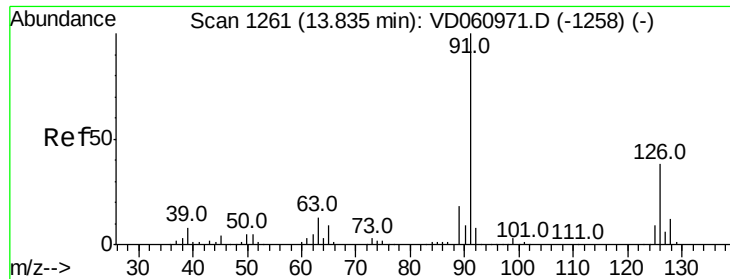
Delta R.T. 0.02 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Tgt Ion:	91	Resp:	722738
Ion Ratio	Lower	Upper	
91	100		
120	21.9	10.8	32.3





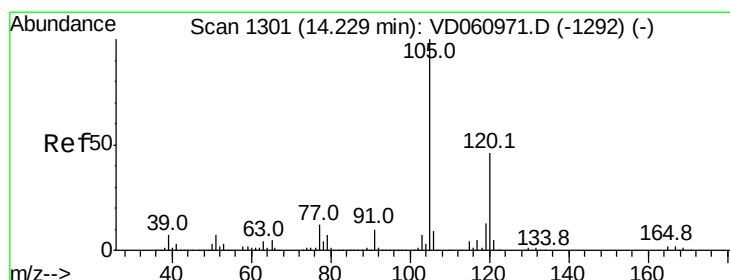
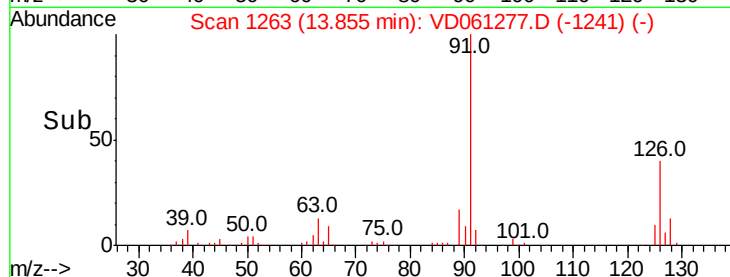
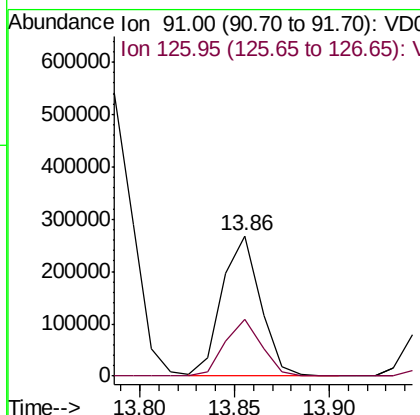
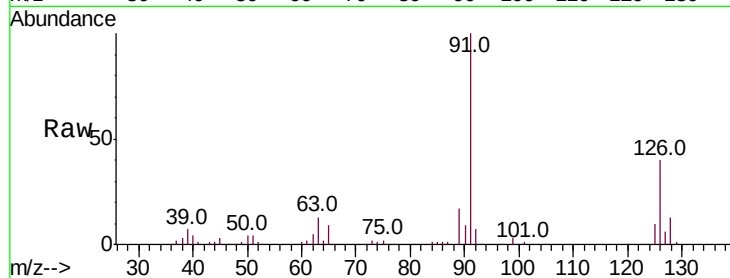
#79
 2-Chlorotoluene
 Concen: 20.572 ug/l
 RT: 13.86 min Scan# 1263
 Delta R.T. 0.02 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

Tot Ion: 91 Resp: 371123
 Ion Ratio Lower Upper
 91 100
 126 40.3 18.6 55.6

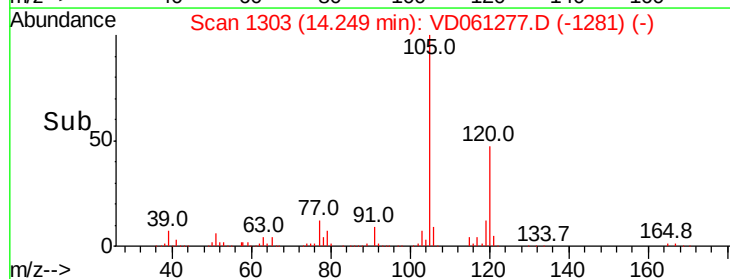
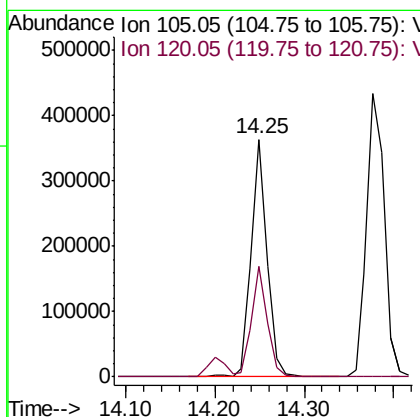
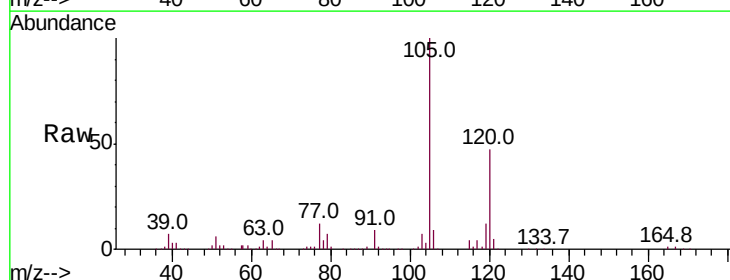
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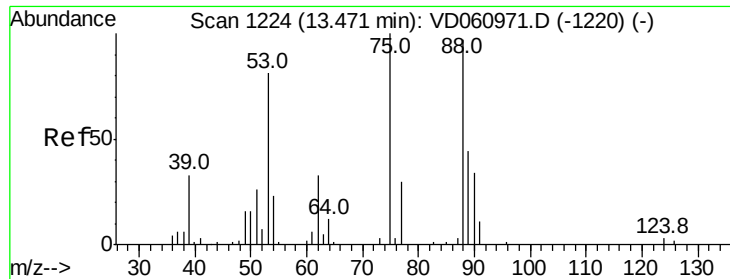
MMDadoda
 3/26/2019 2:40:33 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.079 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Tgt Ion: 105 Resp: 447896
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.9 68.5





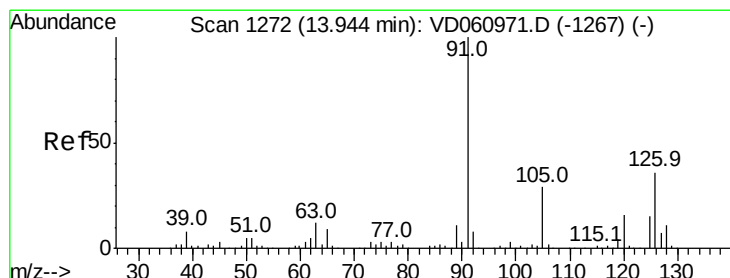
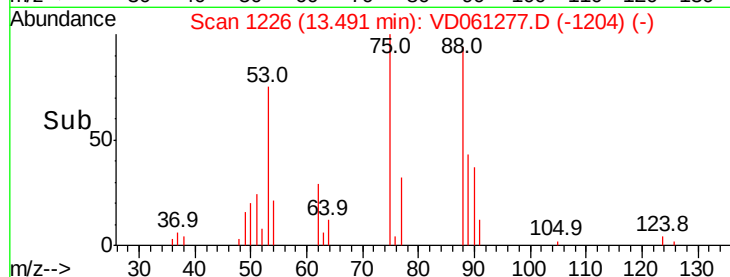
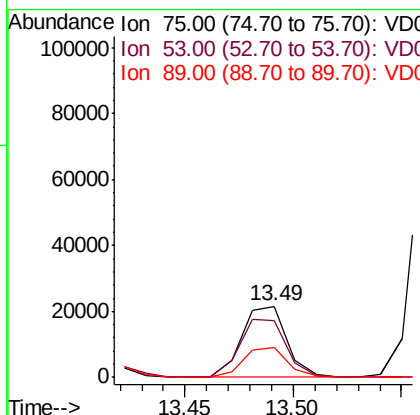
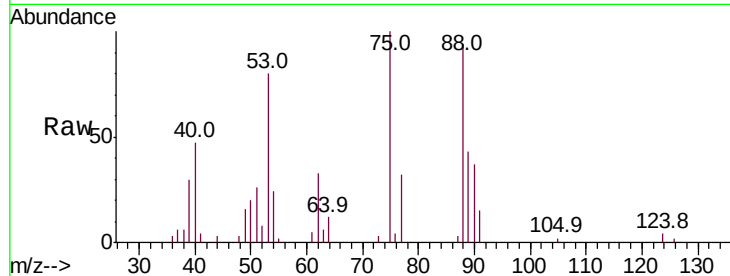
#81
trans-1,4-Dichloro-2-butene
Concen: 18.938 ug/l
RT: 13.49 min Scan# 1226
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.8	64.4	96.6
89	42.6	34.8	52.2

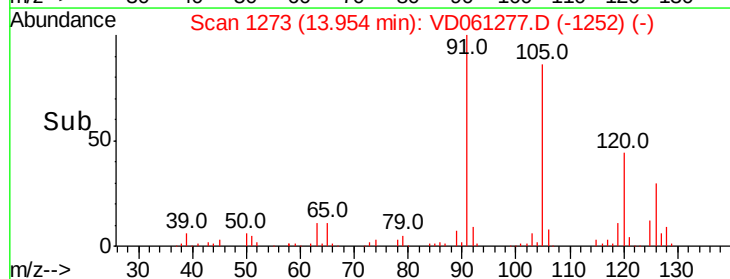
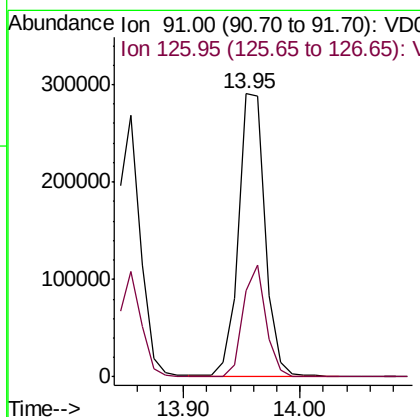
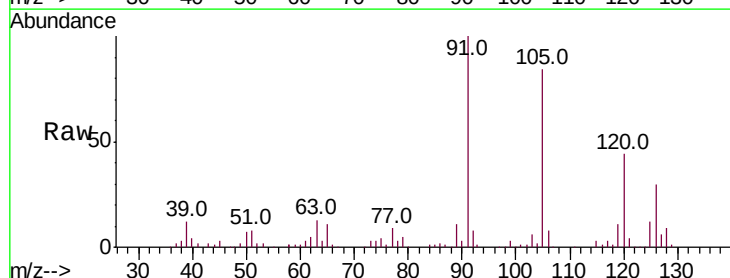
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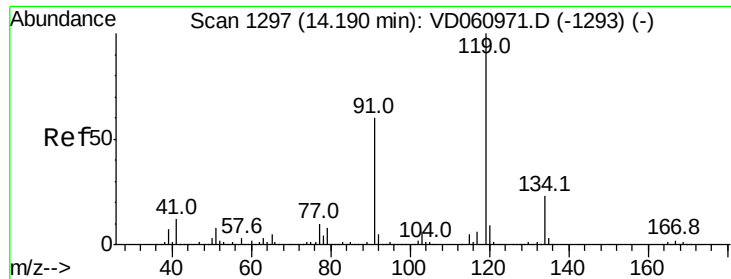
MMDadoda
3/26/2019 2:40:33 PM



#82
4-Chlorotoluene
Concen: 21.486 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	18.0	54.0





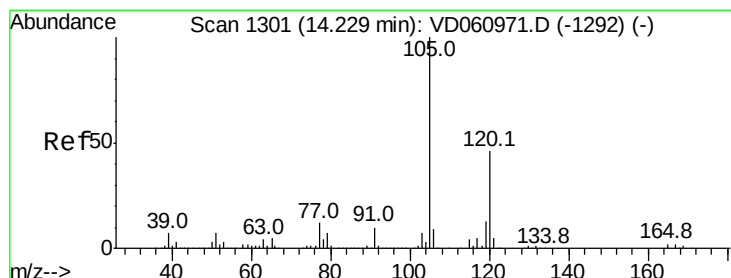
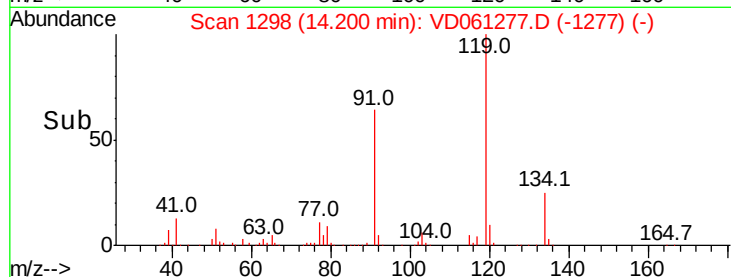
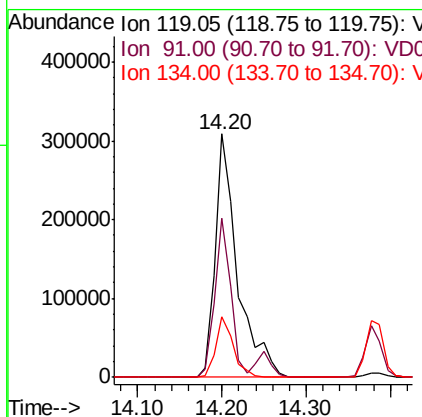
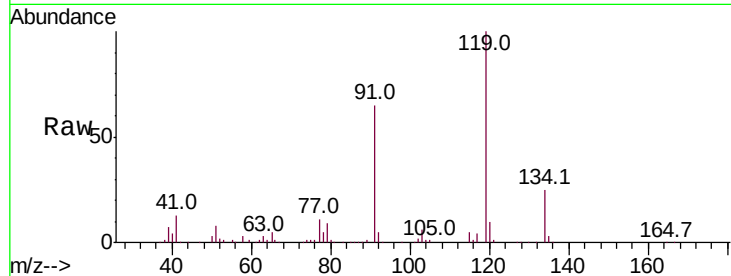
#83
tert-Butylbenzene
Concen: 24.374 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	566807		
91	65.4		30.1	90.3
134	24.7		11.6	34.7

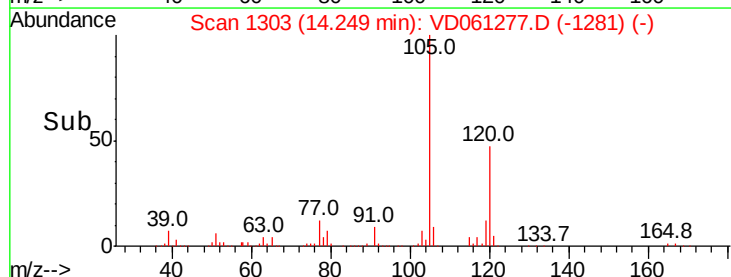
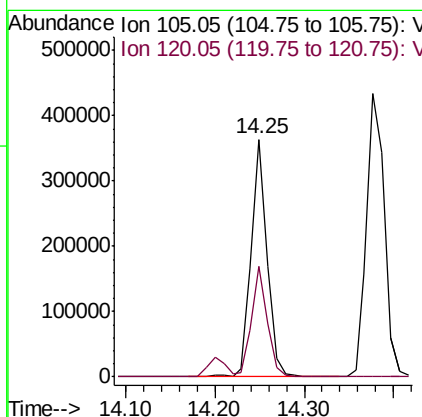
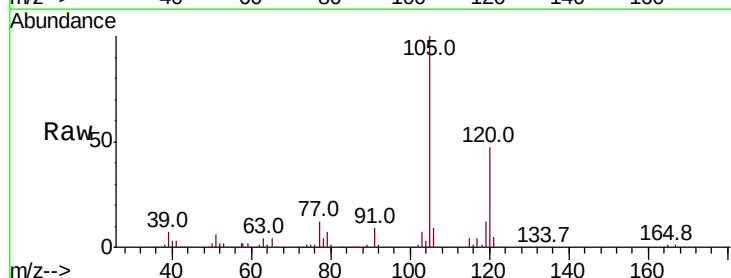
Manual Integrations
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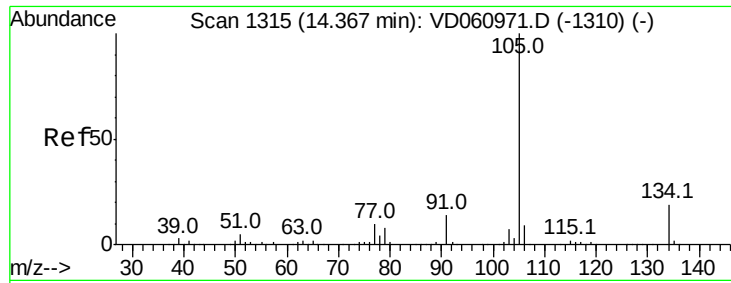
MMDadoda
3/26/2019 2:40:33 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.079 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	447896		
120	46.6		22.9	68.5





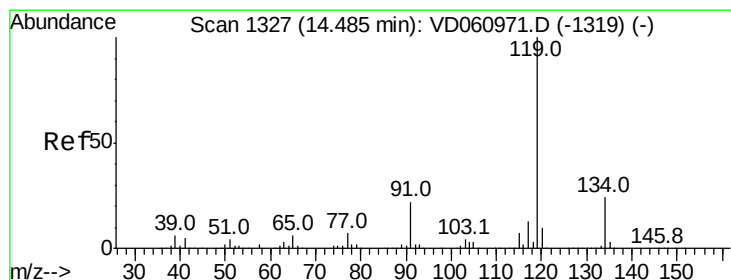
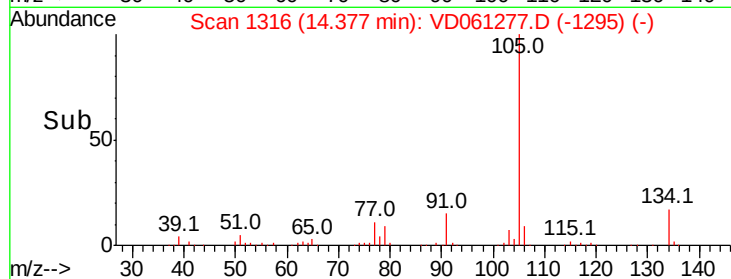
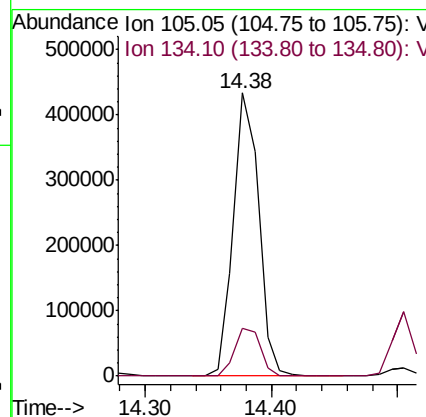
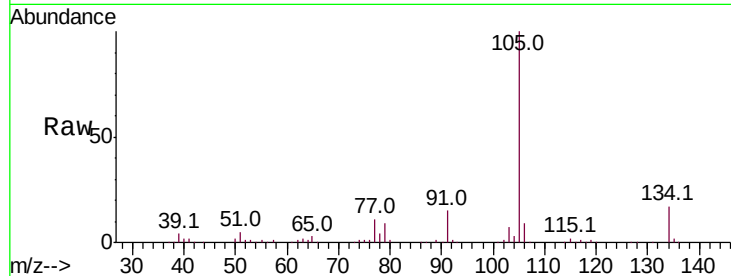
#85
 sec-Butylbenzene
 Concen: 21.115 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	599441		
134	16.8	9.4	28.2	

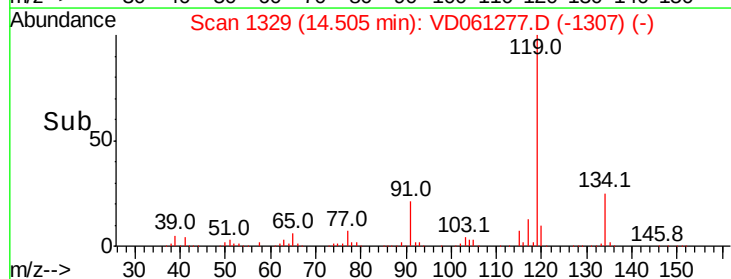
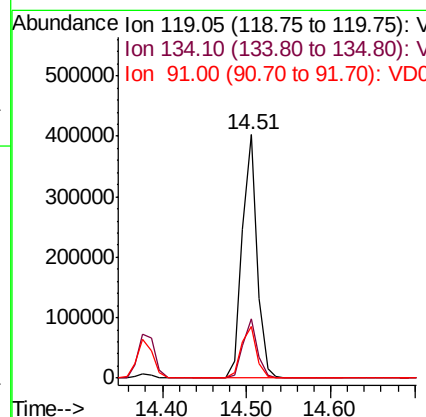
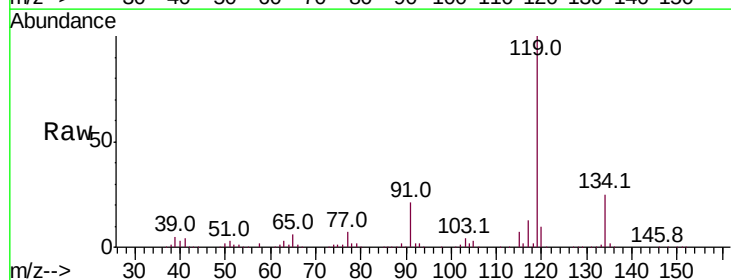
Manual Integrations
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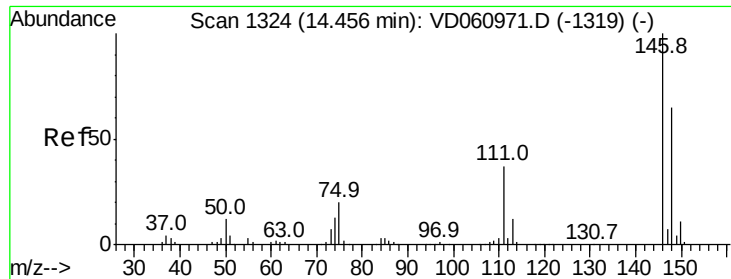
MMDadoda
 3/26/2019 2:40:33 PM



#86
 p-Isopropyltoluene
 Concen: 21.209 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	492153		
134	24.5	12.0	36.1	
91	21.2	11.2	33.6	





#87

1,3-Dichlorobenzene

Concen: 21.127 ug/l

RT: 14.47 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

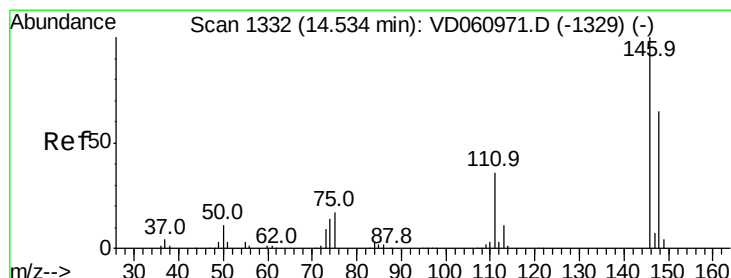
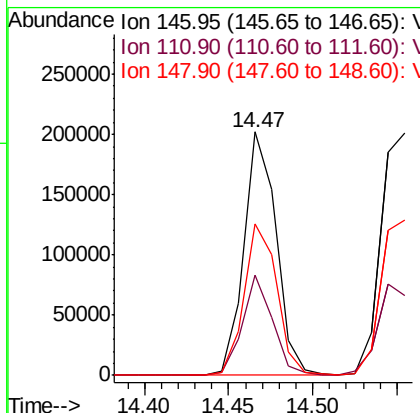
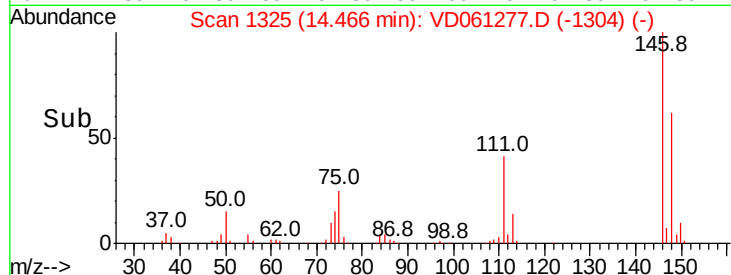
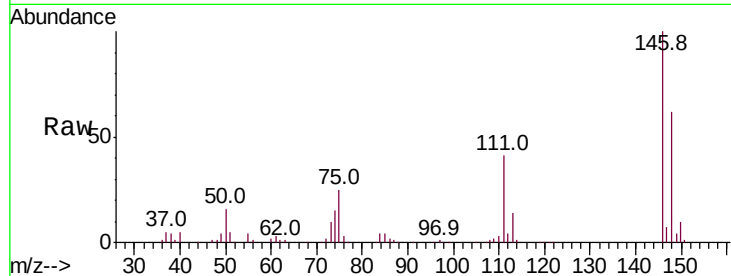
ClientSampleId :

VD0323SBS01

Tot Ion:	146	Resp:	269547
Ion Ratio	Lower	Upper	
146	100		
111	41.1	18.4	55.4
148	62.1	32.5	97.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 22.530 ug/l

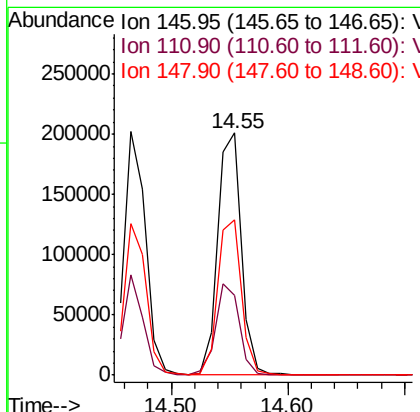
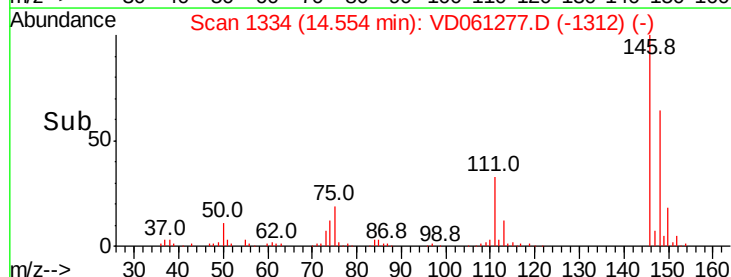
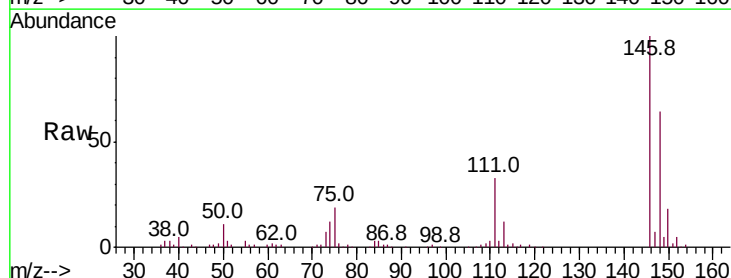
RT: 14.55 min Scan# 1334

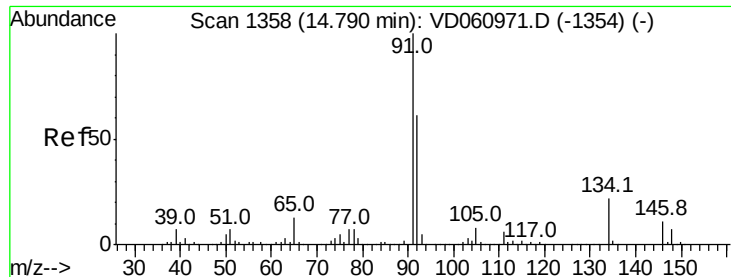
Delta R.T. 0.02 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Tgt Ion:	146	Resp:	282462
Ion Ratio	Lower	Upper	
146	100		
111	32.9	18.4	55.2
148	64.3	32.5	97.5





#89

n-Butylbenzene

Concen: 22.463 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.02 min

Lab File: VD061277.D

Acq: 23 Mar 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 91 Resp: 500572

Ion Ratio Lower Upper

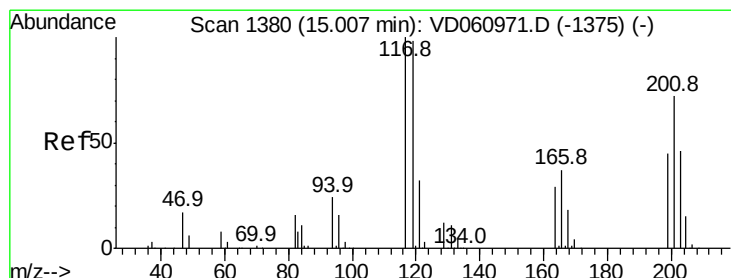
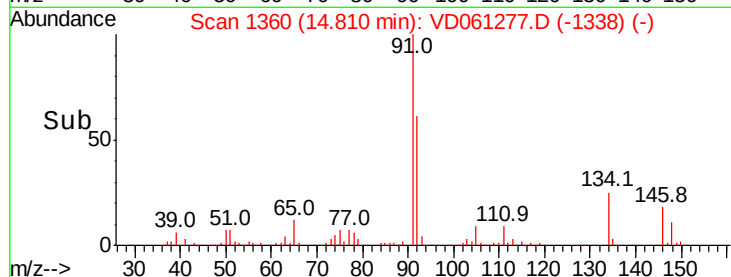
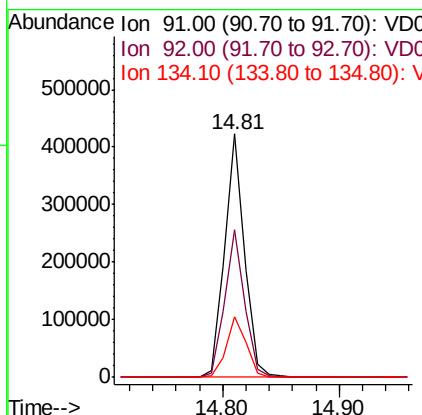
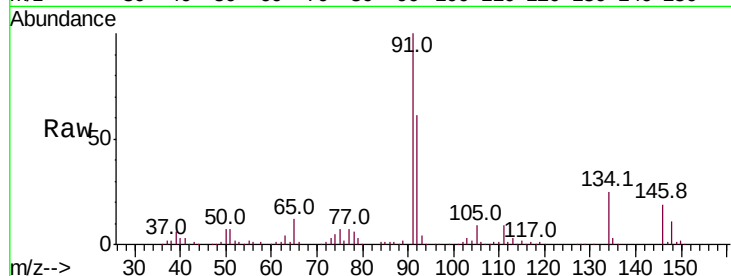
91 100

92 60.7 30.6 91.8

134 25.1 11.0 33.0

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#90

Hexachloroethane

Concen: 21.936 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD061277.D

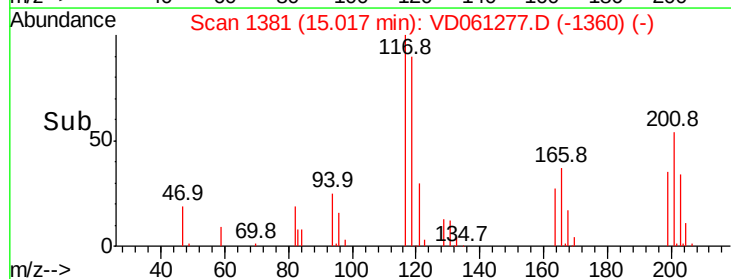
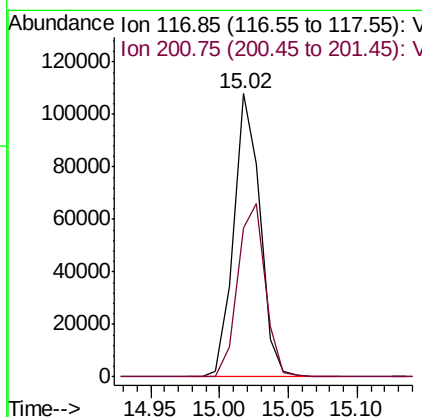
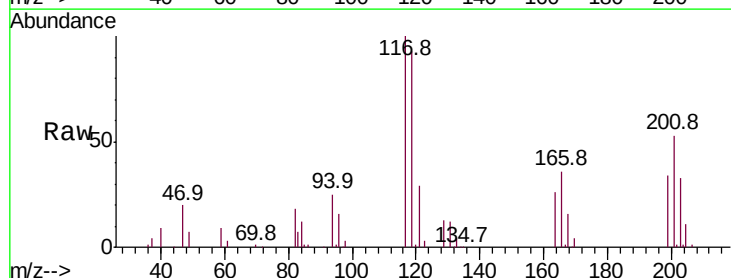
Acq: 23 Mar 2019 13:39

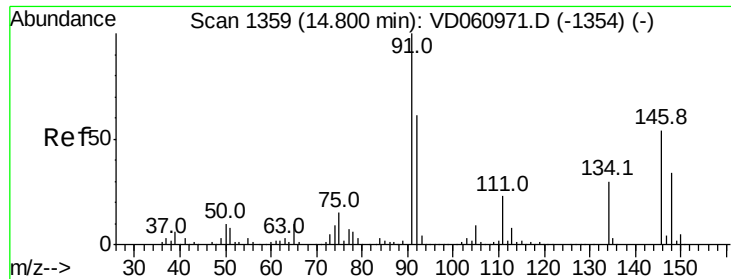
Tgt Ion: 117 Resp: 143738

Ion Ratio Lower Upper

117 100

201 52.8 36.2 108.6





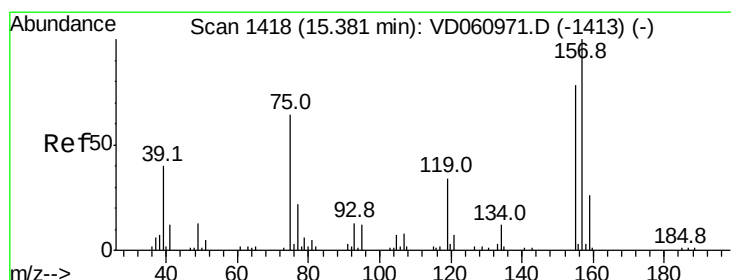
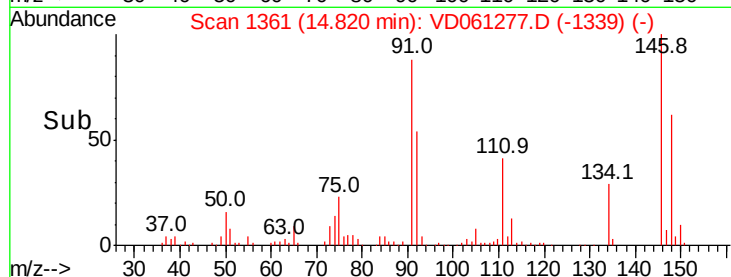
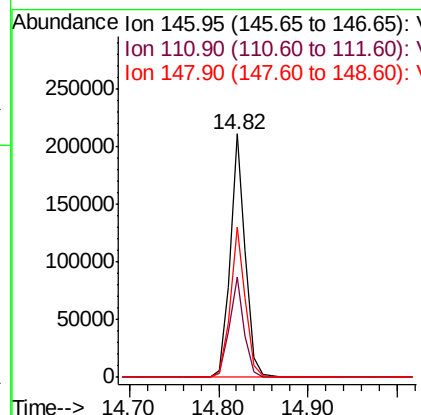
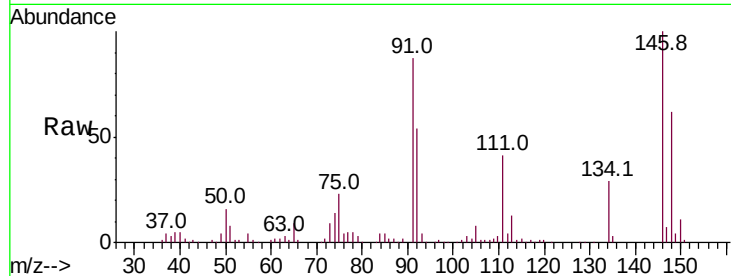
#91
 1,2-Dichlorobenzene
 Concen: 23.896 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0323SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.5	64.5
148	61.8	30.9	92.8

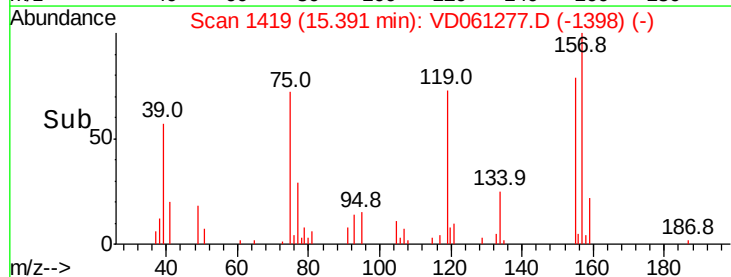
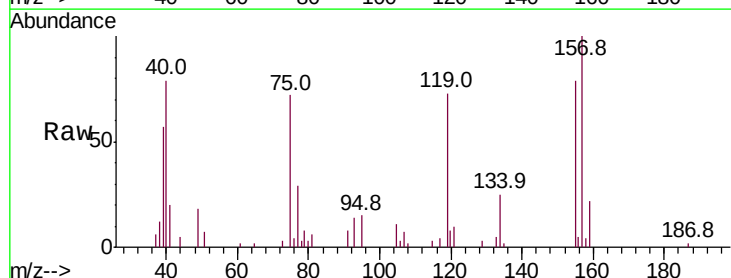
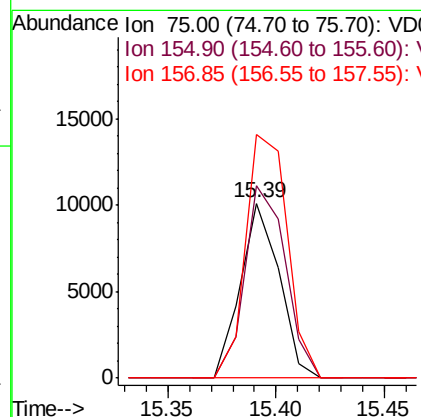
Manual Integrations
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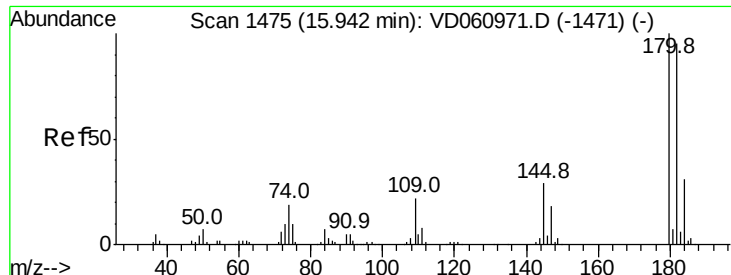
MMDadoda
 3/26/2019 2:40:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.332 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.2	61.2	183.5
157	139.3	78.3	234.8





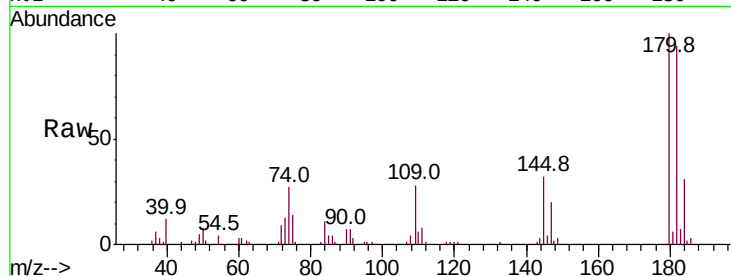
#93
 1,2,4-Trichlorobenzene
 Concen: 23.220 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

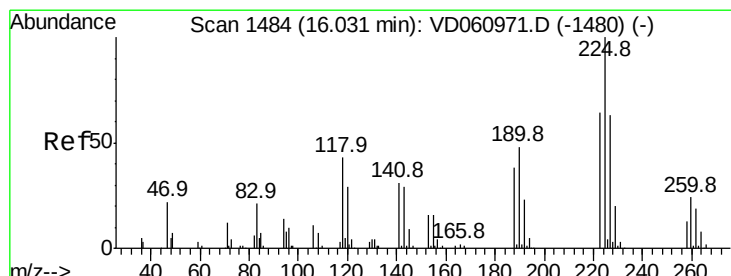
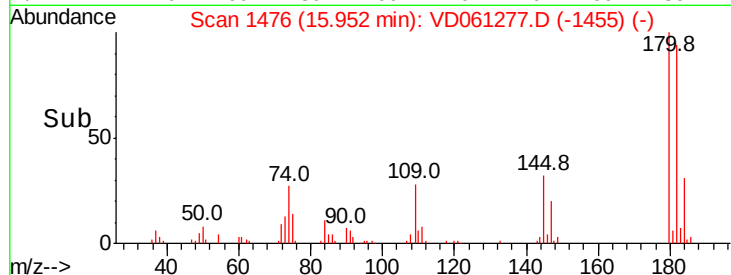
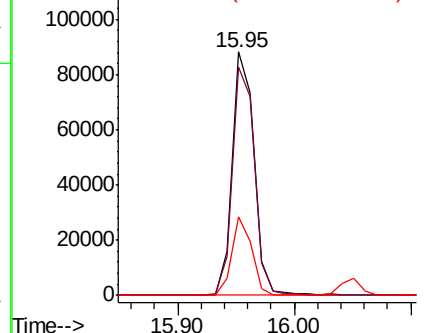
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.9	47.3	142.0	
145	32.3	14.4	43.0	

Manual Integrations
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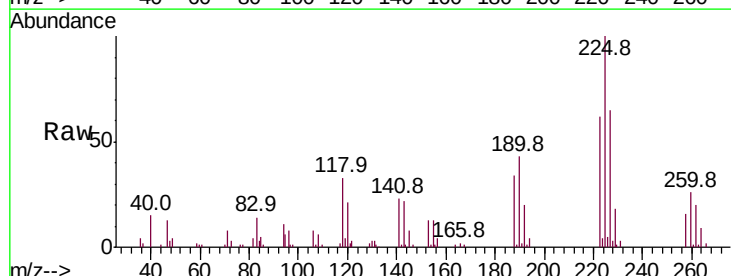


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

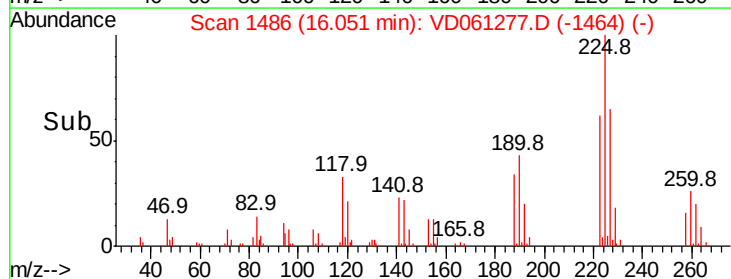
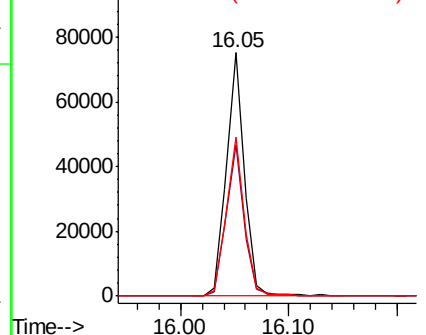


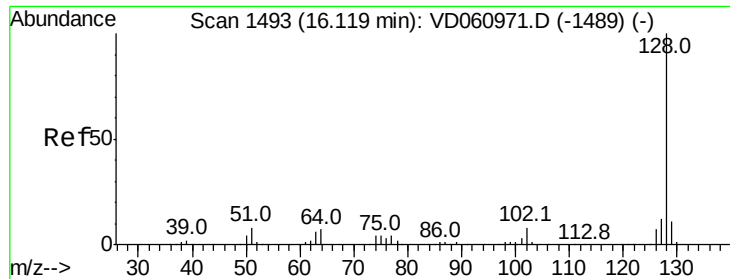
#94
 Hexachlorobutadiene
 Concen: 23.279 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD061277.D
 Acq: 23 Mar 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.8	95.3	
227	65.2	31.4	94.0	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





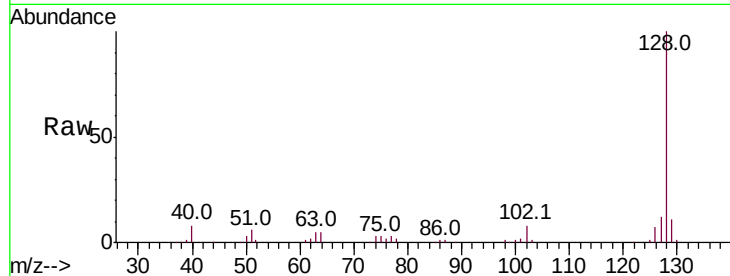
#95
Naphthalene
Concen: 24.676 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

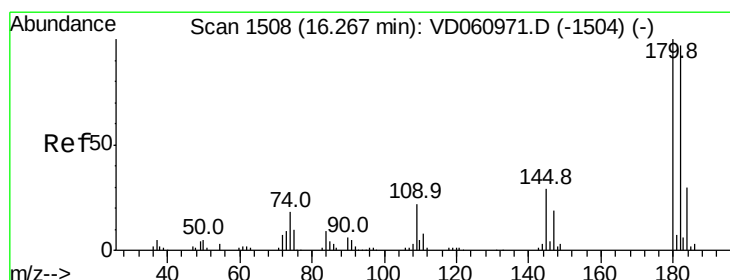
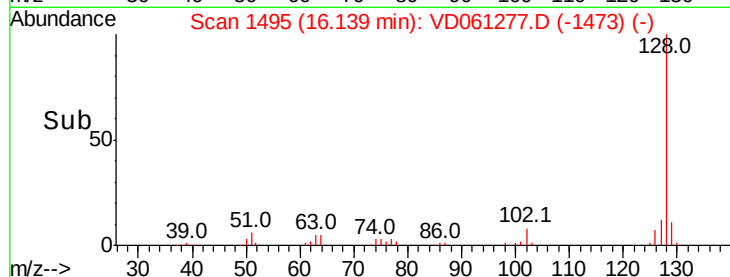
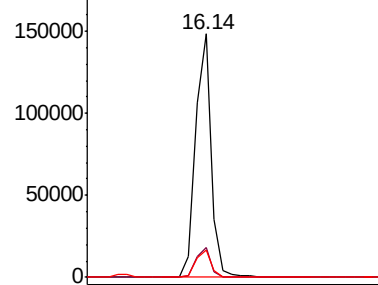
Tot Ion:	128	Resp:	185022
Ion Ratio	Lower	Upper	
128	100		
127	12.0	9.8	14.8
129	11.1	8.5	12.7

Manual Integrations
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3/26/2019 2:40:33 PM

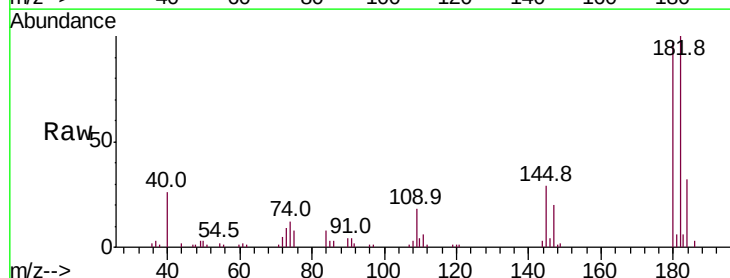


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.284 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD061277.D
Acq: 23 Mar 2019 13:39

Tgt Ion:	180	Resp:	54306
Ion Ratio	Lower	Upper	
180	100		
182	102.7	48.6	145.8
145	30.1	14.3	42.9



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

