

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
 Data File : VD061926.D
 Acq On : 20 Apr 2019 00:37
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 6:56:24 AM

Quant Time: Apr 20 02:13:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	506487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	762272	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	642104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	302065	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	238189	56.11	ug/l	0.01
Spiked Amount 50.000			Recovery	=	112.22%	
35) Dibromofluoromethane	6.94	113	330776	57.44	ug/l	0.01
Spiked Amount 50.000			Recovery	=	114.88%	
50) Toluene-d8	10.42	98	775366	56.82	ug/l	0.01
Spiked Amount 50.000			Recovery	=	113.64%	
62) 4-Bromofluorobenzene	13.56	95	331631	59.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	227087	45.937	ug/l	100
3) Chloromethane	1.75	50	178482	45.303	ug/l	98
4) Vinyl Chloride	1.85	62	177214	45.324	ug/l	94
5) Bromomethane	2.15	94	48202	55.491	ug/l	97
6) Chloroethane	2.27	64	71272	53.433	ug/l	98
7) Trichlorofluoromethane	2.54	101	261606	41.254	ug/l	96
8) Diethyl Ether	2.88	74	70838	42.625	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.16	101	254594	45.027	ug/l	96
10) Methyl Iodide	3.31	142	403977	45.122	ug/l	98
11) Tert butyl alcohol	4.05	59	63044	251.845	ug/l	98
12) 1,1-Dichloroethene	3.14	96	214288	45.080	ug/l	99
13) Acrolein	3.04	56	48546	200.322	ug/l	99
14) Allyl chloride	3.63	41	311550	48.084	ug/l	98
15) Acrylonitrile	4.20	53	193217	245.861	ug/l	99
16) Acetone	3.23	43	232088	221.840	ug/l	94
17) Carbon Disulfide	3.38	76	651956	42.448	ug/l	99
18) Methyl Acetate	3.64	43	101768	48.533	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	434625	48.994	ug/l	96
20) Methylene Chloride	3.83	84	274630	53.095	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	240962	46.126	ug/l	96
22) Diisopropyl ether	5.13	45	699067	50.474	ug/l	99
23) Vinyl Acetate	5.07	43	1867049	252.177	ug/l	97
24) 1,1-Dichloroethane	4.99	63	412014	49.065	ug/l	100
25) 2-Butanone	6.08	43	310486	260.680	ug/l	98
26) 2,2-Dichloropropane	6.03	77	338488	46.636	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	291673	51.505	ug/l	98
28) Bromochloromethane	6.45	49	165710	51.953	ug/l	100
29) Tetrahydrofuran	6.46	42	145266	250.380	ug/l	99
30) Chloroform	6.67	83	461443	49.267	ug/l	100
31) Cyclohexane	6.97	56	286229	44.526	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	417391	50.272	ug/l	97
36) 1,1-Dichloropropene	7.15	75	299850	48.138	ug/l	98
37) Ethyl Acetate	6.19	43	133196	49.962	ug/l #	94
38) Carbon Tetrachloride	7.12	117	409202m	52.025	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	304984	47.150	ug/l	99
40) Benzene	7.47	78	778822	52.080	ug/l	98
41) Methacrylonitrile	6.45	41	170951	54.252	ug/l	96
42) 1,2-Dichloroethane	7.59	62	287646	55.229	ug/l	99
43) Isopropyl Acetate	9.25	43	210003	55.976	ug/l	97
44) Trichloroethene	8.55	130	302199	52.494	ug/l	96
45) 1,2-Dichloropropane	8.95	63	212876	54.650	ug/l	98
46) Dibromomethane	9.07	93	154605	55.703	ug/l	98
47) Bromodichloromethane	9.39	83	366871	57.295	ug/l	99
48) Methyl methacrylate	9.13	41	121759	55.213	ug/l	96
49) 1,4-Dioxane	9.09	88	25998	1078.587	ug/l #	84
51) 4-Methyl-2-Pentanone	10.31	43	671490	292.683	ug/l	99
52) Toluene	10.52	92	482996	50.400	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	309345	53.615	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	345455	51.007	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	180224	55.811	ug/l	97
56) Ethyl methacrylate	11.05	69	179430	50.627	ug/l	97
57) 1,3-Dichloropropane	11.42	76	258371	53.221	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	422374	250.554	ug/l	98
59) 2-Hexanone	11.54	43	474045	278.195	ug/l	100
60) Dibromochloromethane	11.70	129	297016	56.213	ug/l	98
61) 1,2-Dibromoethane	11.82	107	217082	54.672	ug/l	97
64) Tetrachloroethene	11.27	164	252282	52.389	ug/l	98
65) Chlorobenzene	12.41	112	594843	49.744	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	255217	50.929	ug/l	96
67) Ethyl Benzene	12.54	91	980033	51.176	ug/l	100
68) m/p-Xylenes	12.68	106	754295	104.859	ug/l	100
69) o-Xylene	13.06	106	339788	50.255	ug/l	95
70) Styrene	13.08	104	582679	50.079	ug/l	99
71) Bromoform	13.25	173	167916	56.450	ug/l #	99
73) Isopropylbenzene	13.41	105	930130	47.480	ug/l	99
74) N-amyl acetate	13.28	43	257013	48.789	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	205655	53.110	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	210455	53.053	ug/l	100
77) Bromobenzene	13.68	156	275852	49.571	ug/l	98
78) n-propylbenzene	13.78	91	1149322	50.780	ug/l	97
79) 2-Chlorotoluene	13.85	91	695259	52.585	ug/l	98
80) 1,3,5-Trimethylbenzene	13.95	105	749684	48.230	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	56887	44.626	ug/l	96
82) 4-Chlorotoluene	13.96	91	748403	49.452	ug/l	95
83) tert-Butylbenzene	14.20	119	930306	50.972	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	806363	51.608	ug/l	96
85) sec-Butylbenzene	14.38	105	906570	48.049	ug/l	98
86) p-Isopropyltoluene	14.50	119	857066	48.549	ug/l	96
87) 1,3-Dichlorobenzene	14.47	146	449334	46.253	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	509298	53.035	ug/l	96
89) n-Butylbenzene	14.80	91	745826	47.728	ug/l	96
90) Hexachloroethane	15.02	117	246626	51.256	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	388388	47.728	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	29208	52.840	ug/l	71

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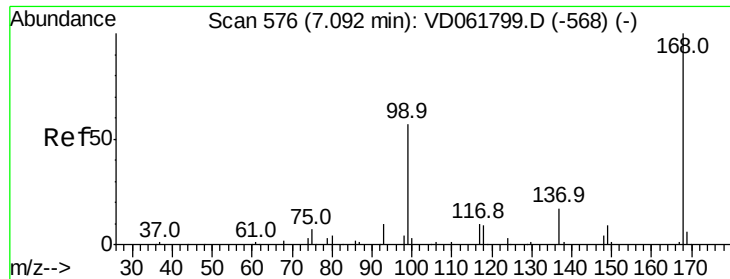
Manual Integrations
APPROVED

MMDadoda
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QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	232815	52.091	ug/l	98
94) Hexachlorobutadiene	16.04	225	167803	51.808	ug/l	98
95) Naphthalene	16.13	128	407662	59.509	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	140518	55.171	ug/l	96

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



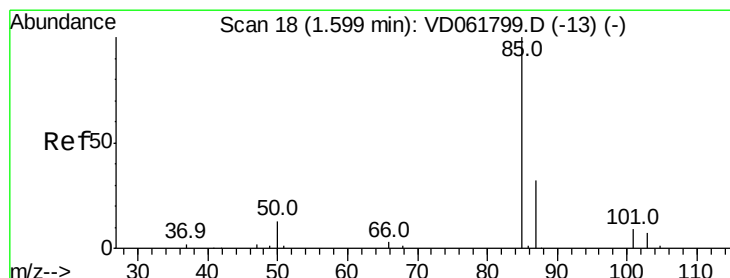
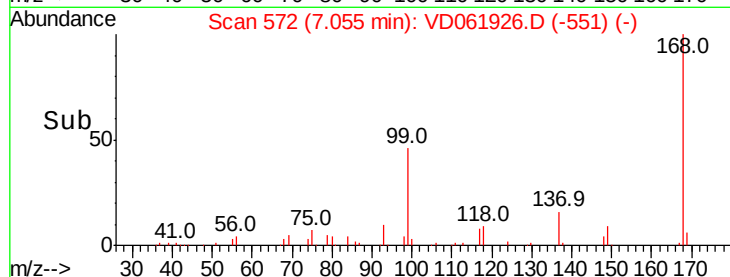
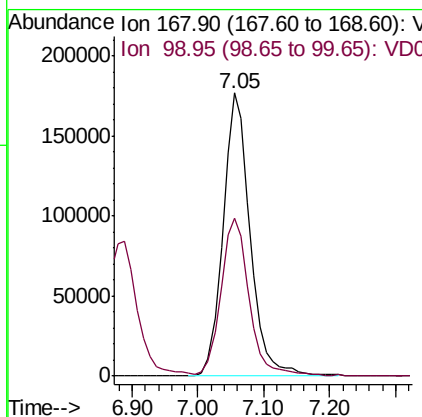
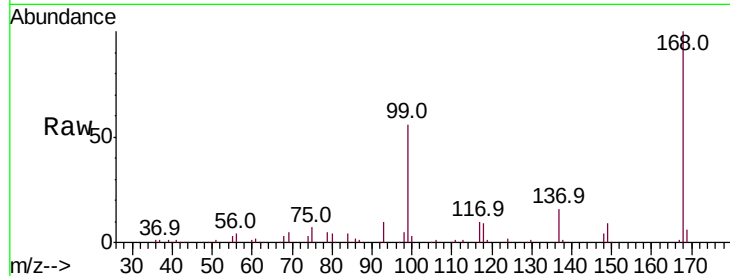
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.00 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.9	46.5	69.7

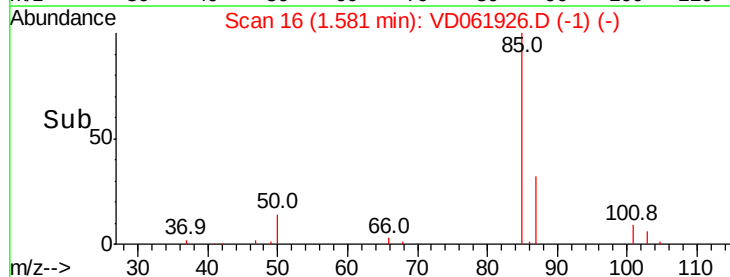
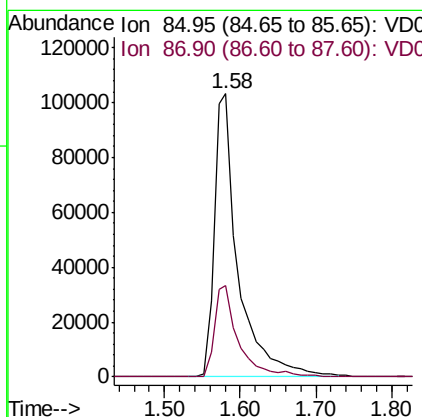
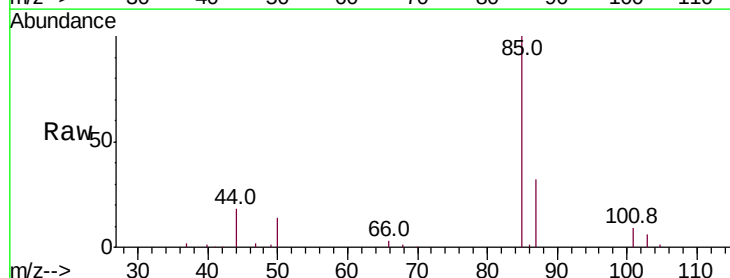
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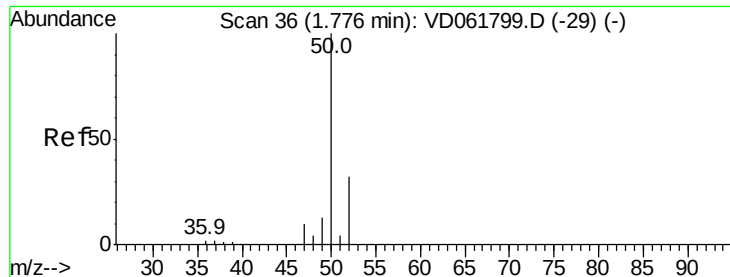
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#2
Dichlorodifluoromethane
Concen: 45.937 ug/l
RT: 1.58 min Scan# 16
Delta R.T. 0.00 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.2	48.6





#3

Chloromethane

Concen: 45.303 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 178482

Ion Ratio Lower Upper

50 100

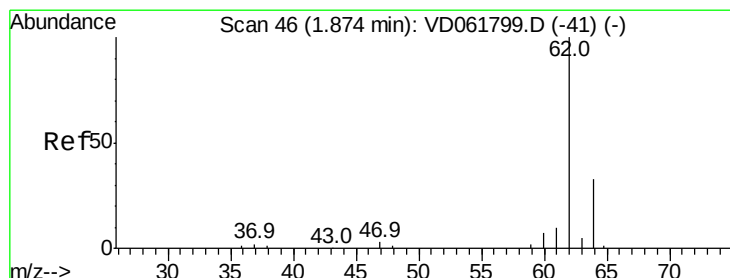
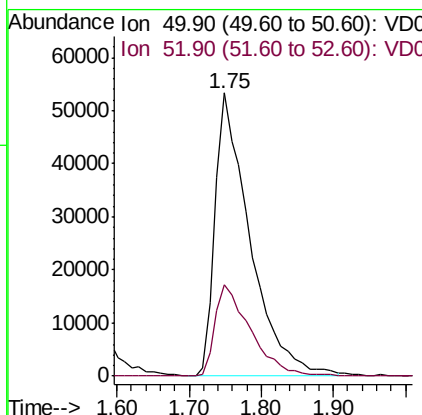
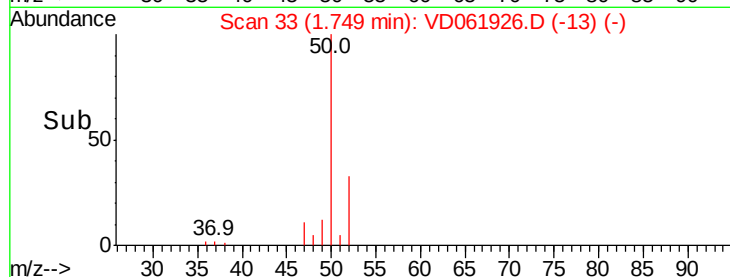
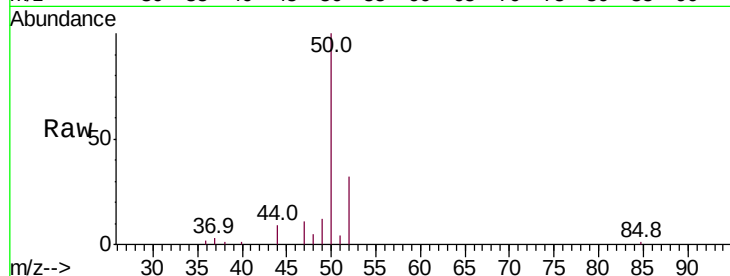
52 32.4 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.324 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061926.D

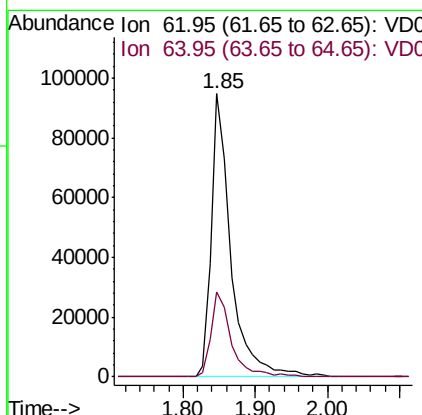
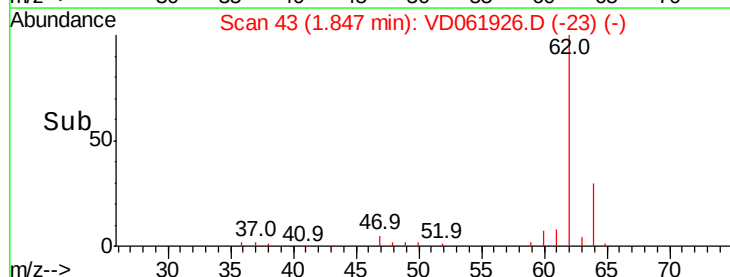
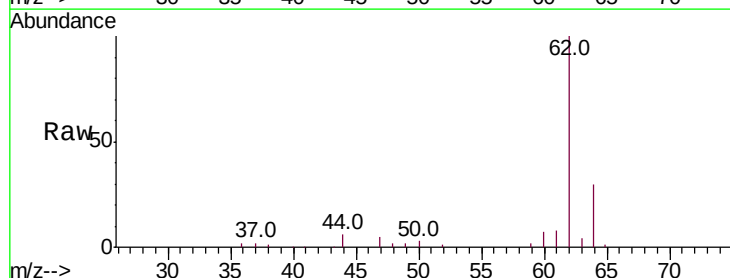
Acq: 20 Apr 2019 00:37

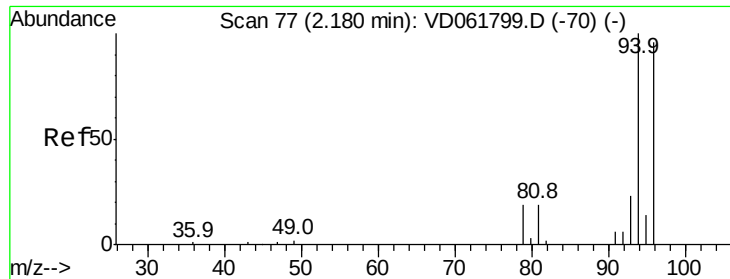
Tgt Ion: 62 Resp: 177214

Ion Ratio Lower Upper

62 100

64 29.9 26.5 39.7





#5

Bromomethane

Concen: 55.491 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 48202

Ion Ratio Lower Upper

94 100

96 94.3 76.6 115.0

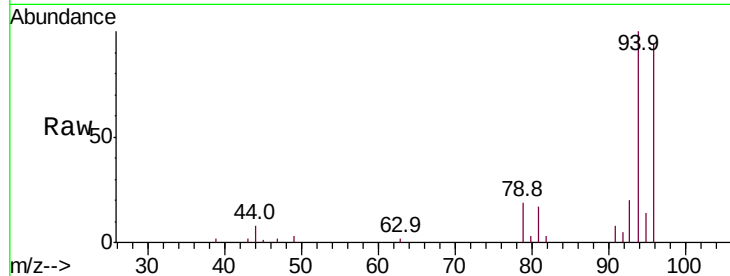
93 19.8 18.5 27.7

Manual Integrations

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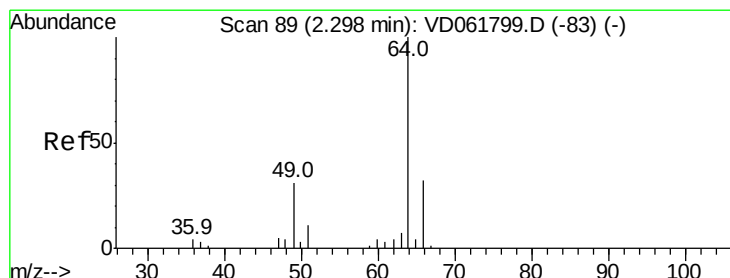
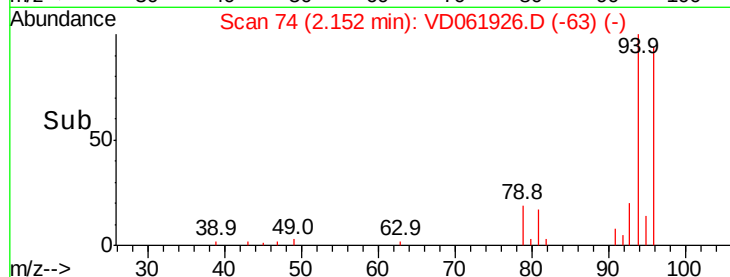
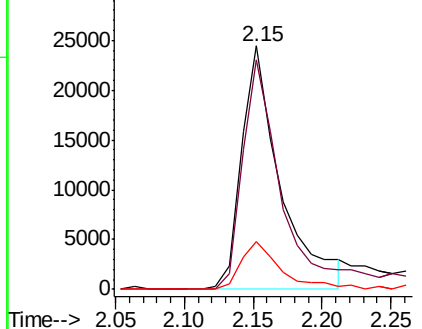
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Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 53.433 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD061926.D

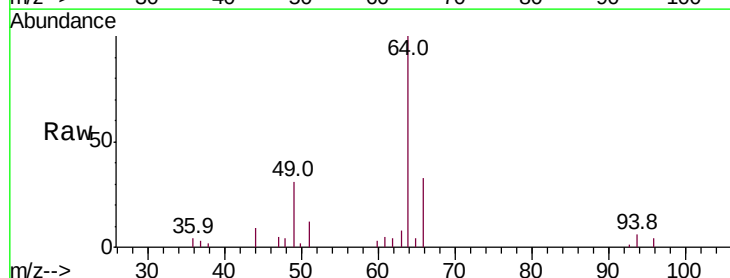
Acq: 20 Apr 2019 00:37

Tgt Ion: 64 Resp: 71272

Ion Ratio Lower Upper

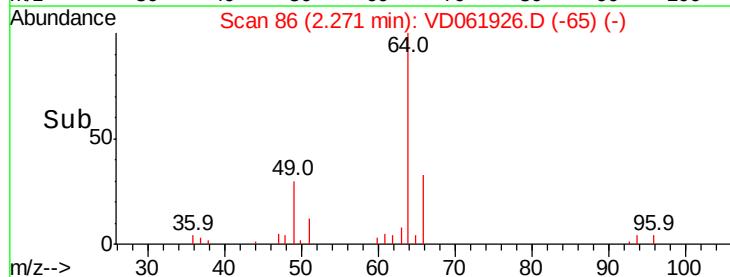
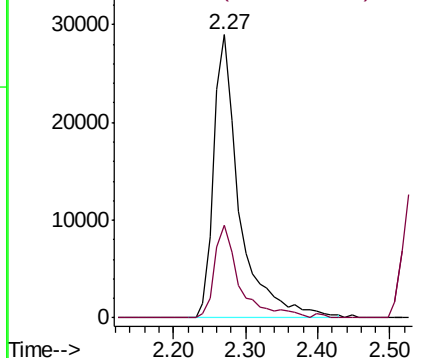
64 100

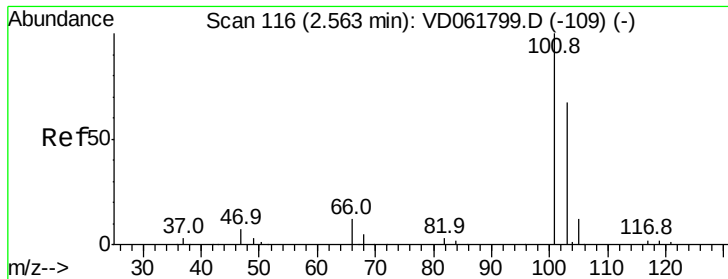
66 32.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

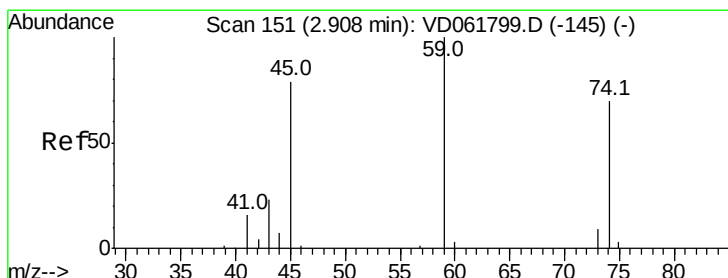
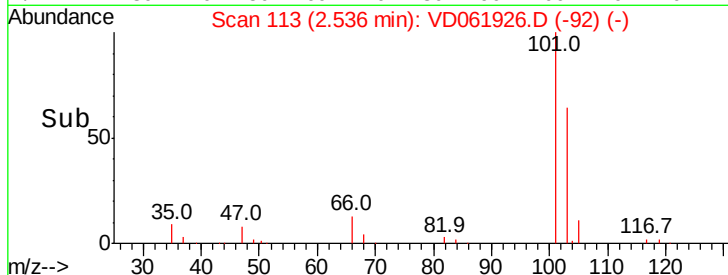
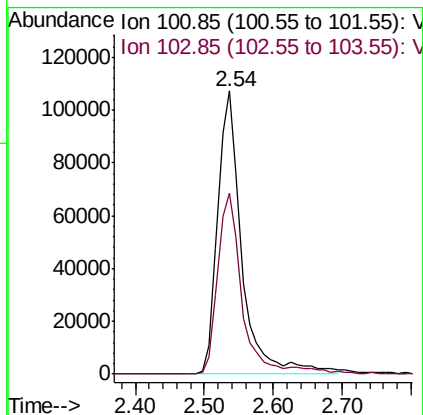
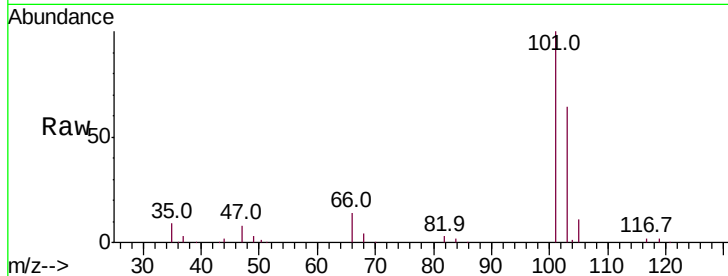
Trichlorofluoromethane
Concen: 41.254 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

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Tot Ion:101 Resp: 261606
Ion Ratio Lower Upper
101 100
103 63.9 53.6 80.4

Manual Integrations
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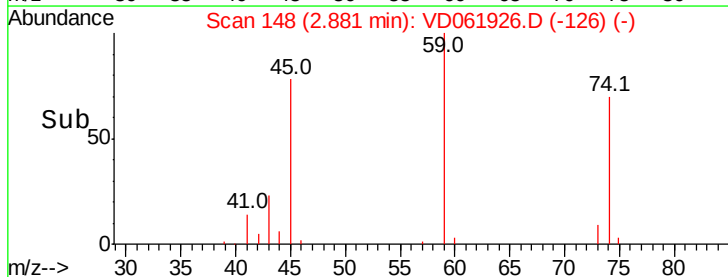
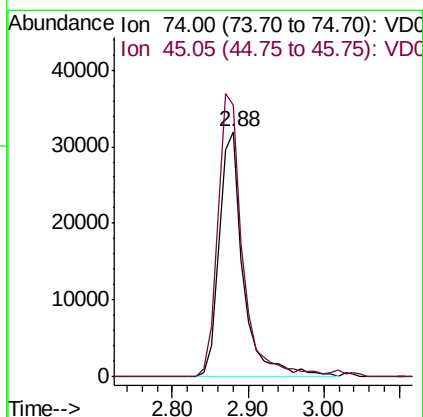
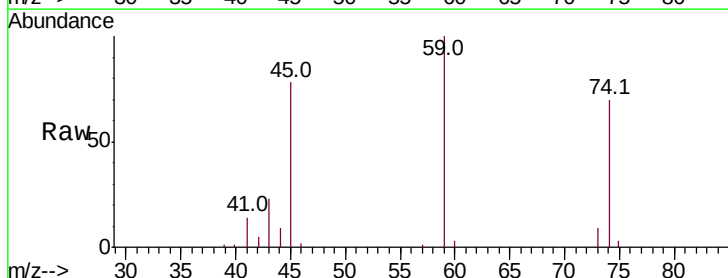
MMDadoda
4/23/2019 6:56:24 AM

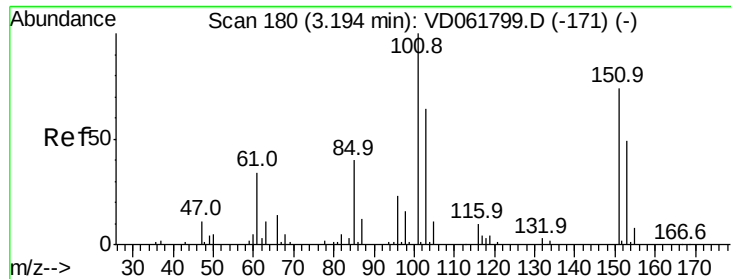


#8

Diethyl Ether
Concen: 42.625 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Tgt Ion: 74 Resp: 70838
Ion Ratio Lower Upper
74 100
45 110.9 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.027 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

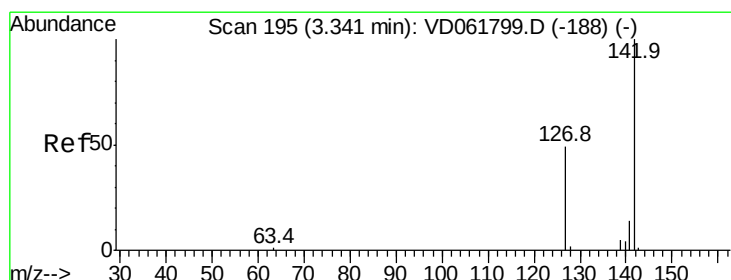
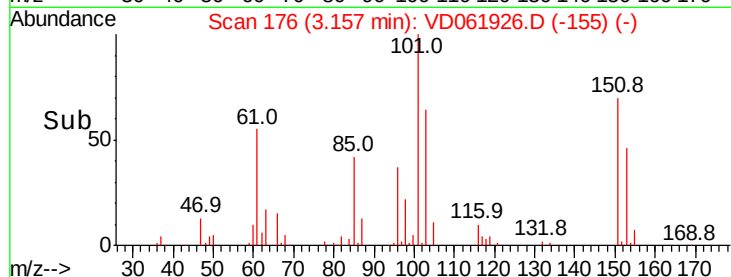
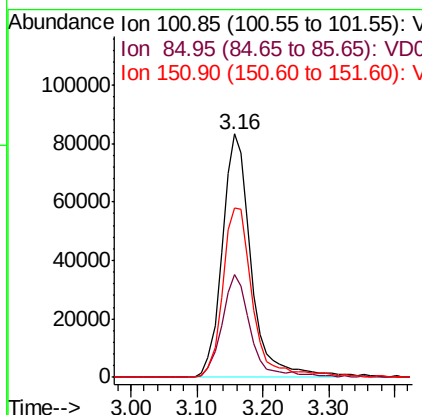
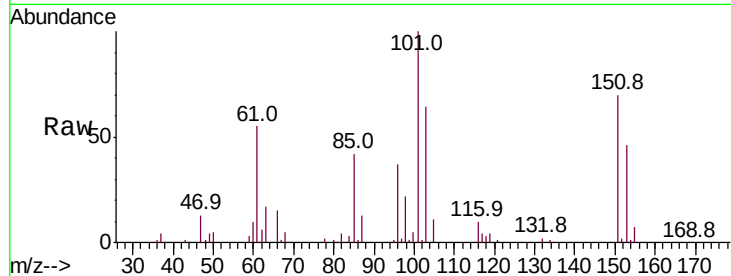
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	254594
Ion Ratio	Lower	Upper	
101	100		
85	42.2	32.4	48.6
151	69.6	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 45.122 ug/l

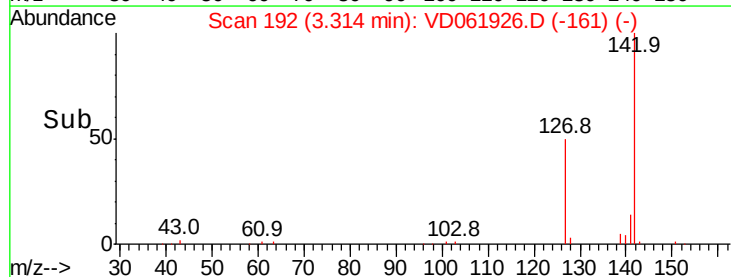
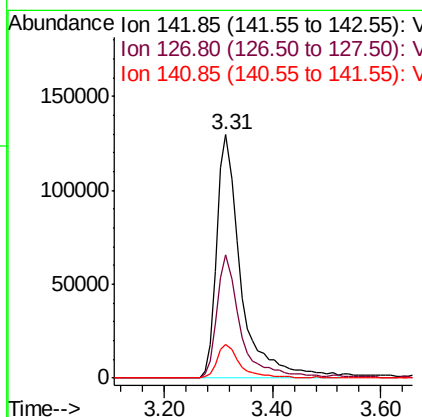
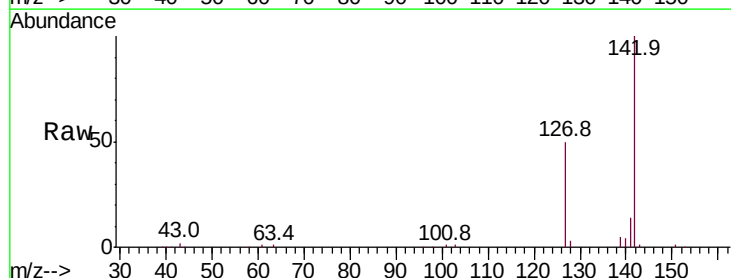
RT: 3.31 min Scan# 192

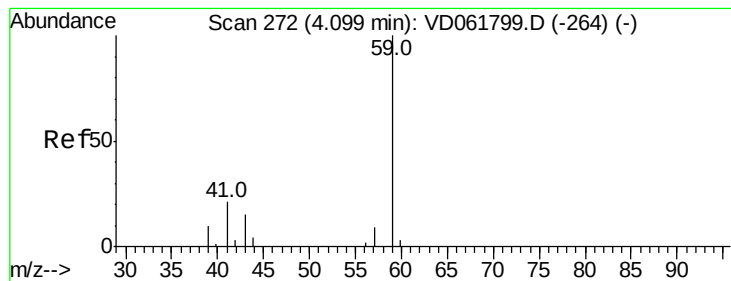
Delta R.T. 0.00 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Tgt Ion:	142	Resp:	403977
Ion Ratio	Lower	Upper	
142	100		
127	50.5	38.8	58.2
141	13.8	11.4	17.0





#11

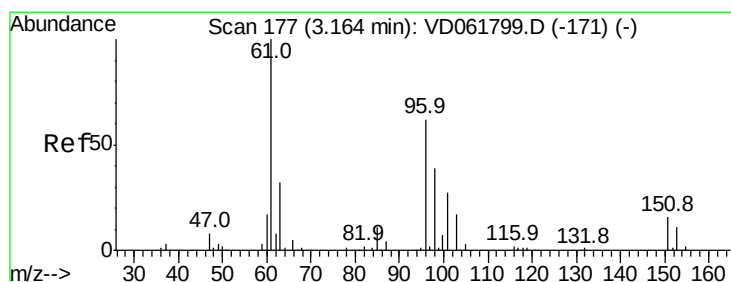
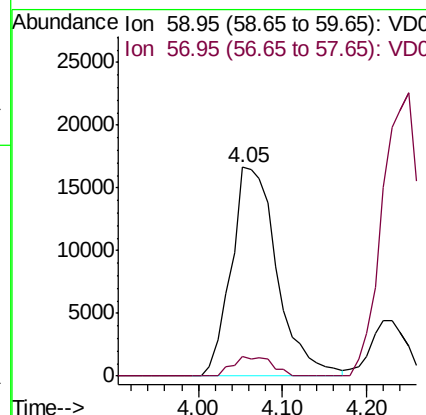
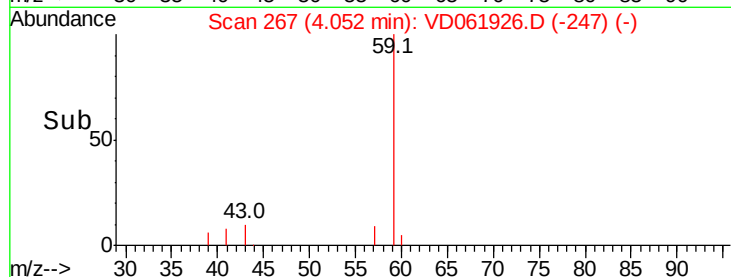
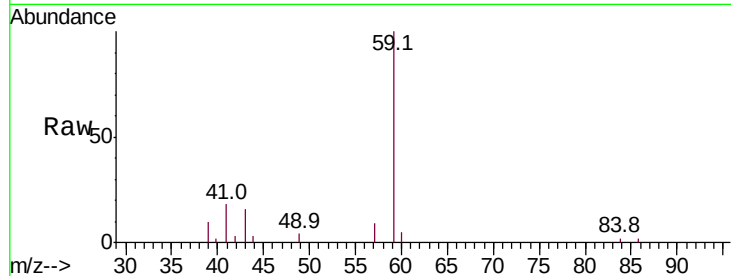
Tert butyl alcohol
Concen: 251.845 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 63044
Ion Ratio Lower Upper
59 100
57 9.5 6.9 10.3

Manual Integrations
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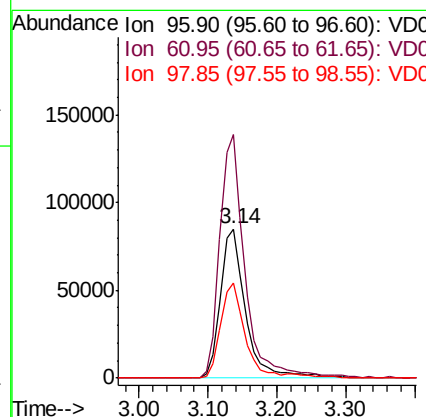
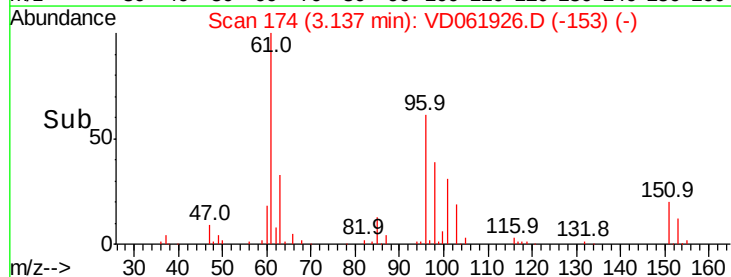
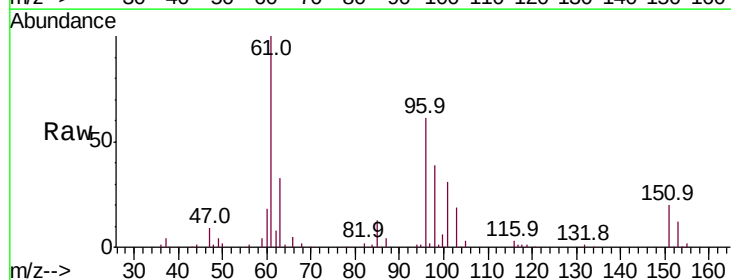
MMDadoda
4/23/2019 6:56:24 AM

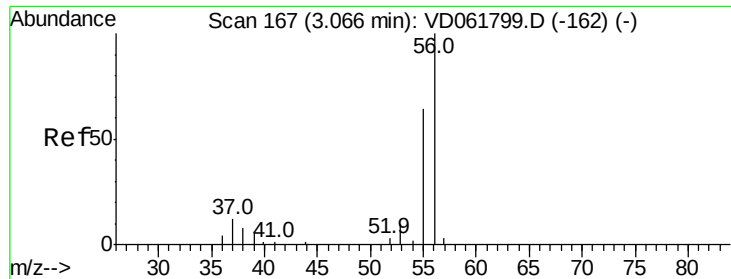


#12

1,1-Dichloroethene
Concen: 45.080 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.00 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Tgt Ion: 96 Resp: 214288
Ion Ratio Lower Upper
96 100
61 163.1 129.8 194.8
98 63.4 51.2 76.8





#13

Acrolein

Concen: 200.322 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 48546

Ion Ratio Lower Upper

56 100

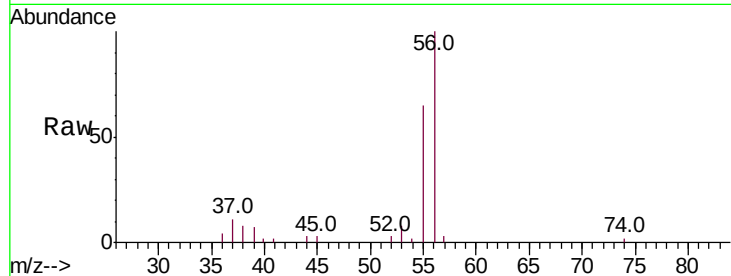
55 65.1 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

4/23/2019 6:56:24 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

20000

15000

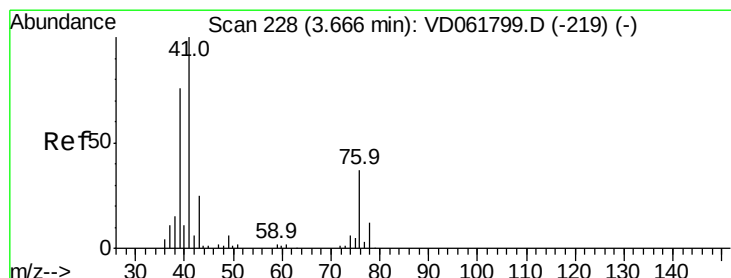
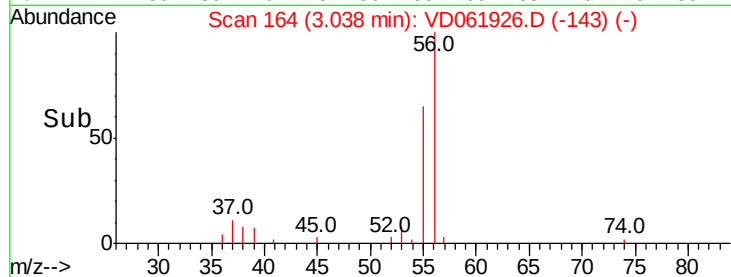
10000

5000

0

3.00 3.10 3.20

Time-->



#14

Allyl chloride

Concen: 48.084 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

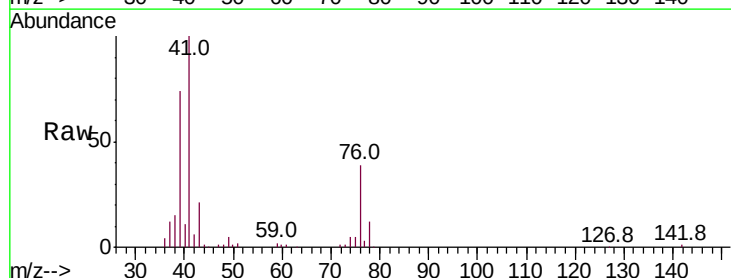
Tgt Ion: 41 Resp: 311550

Ion Ratio Lower Upper

41 100

39 73.9 60.5 90.7

76 38.9 31.8 47.8



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

150000

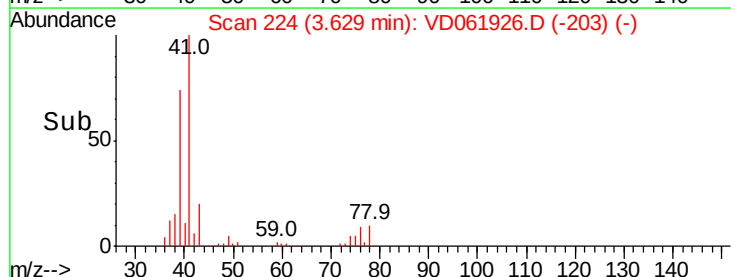
100000

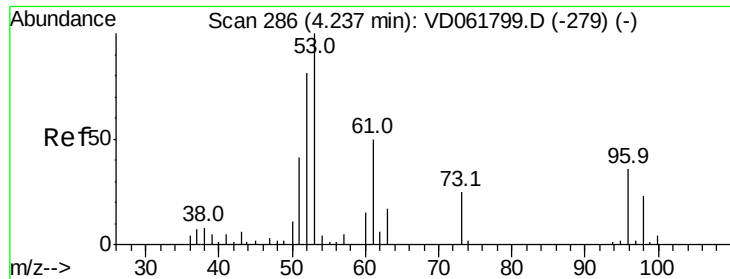
50000

0

3.50 3.60 3.70 3.80

Time-->





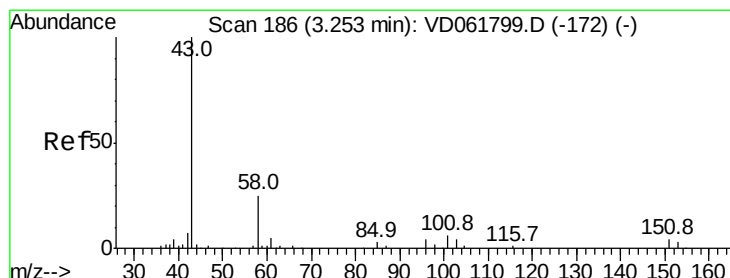
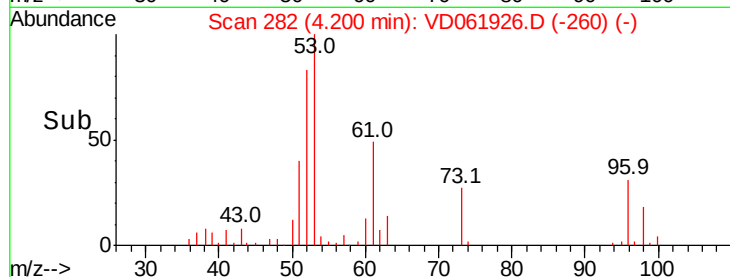
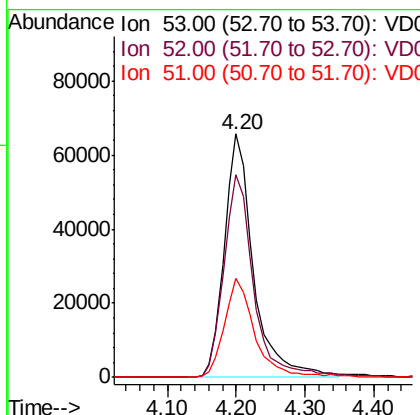
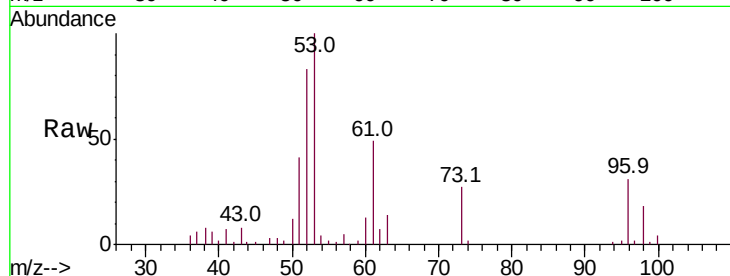
#15
 Acrylonitrile
 Concen: 245.861 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.0	97.4
51	40.6	32.6	48.8

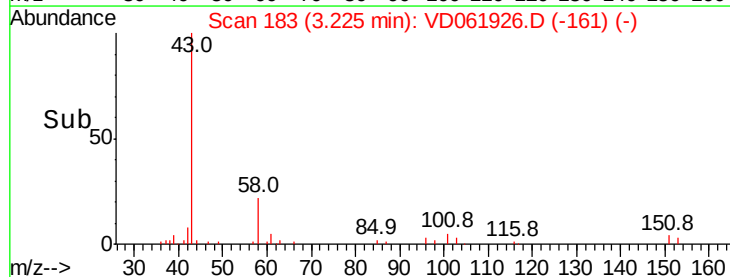
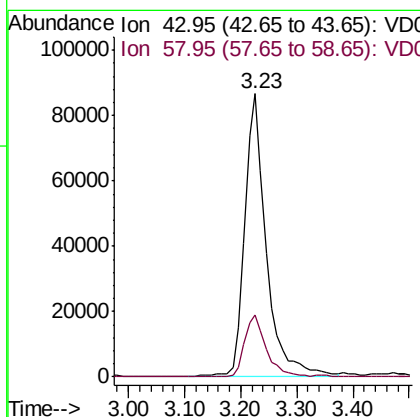
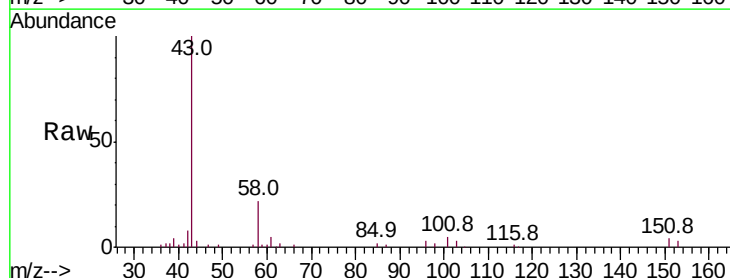
Manual Integrations
 APPROVED

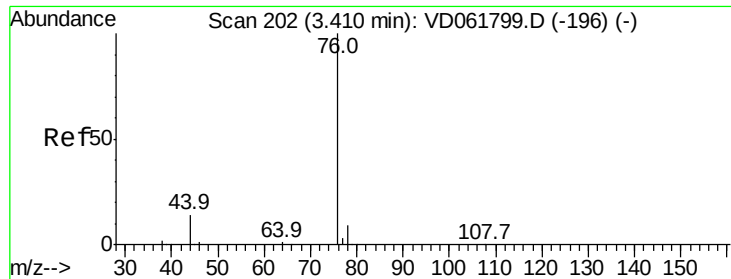
MMDadoda
 4/23/2019 6:56:24 AM



#16
 Acetone
 Concen: 221.840 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	21.8	19.9	29.9





#17

Carbon Disulfide

Concen: 42.448 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 651956

Ion Ratio Lower Upper

76 100

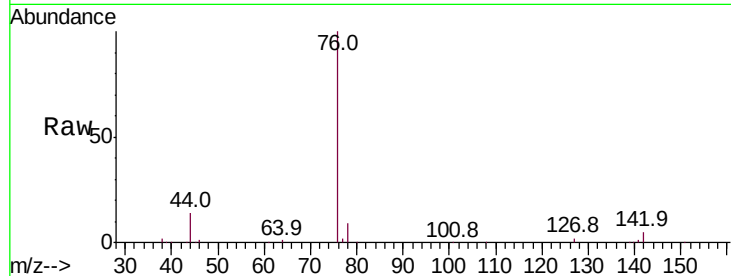
78 9.2 7.2 10.8

Manual Integrations

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MMDadoda

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

250000

200000

150000

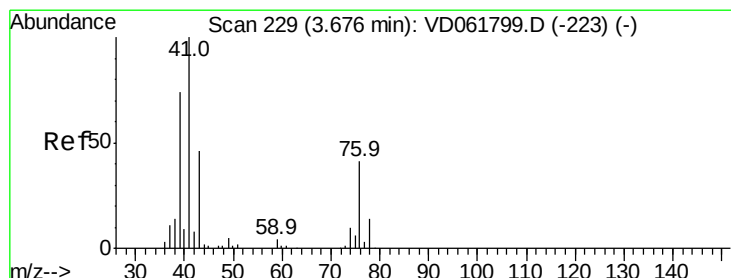
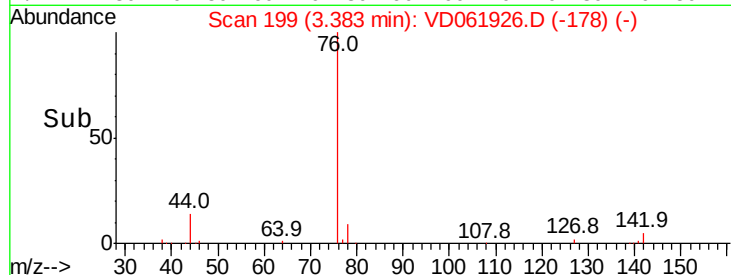
100000

50000

0

3.30 3.40 3.50 3.60

Time-->



#18

Methyl Acetate

Concen: 48.533 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD061926.D

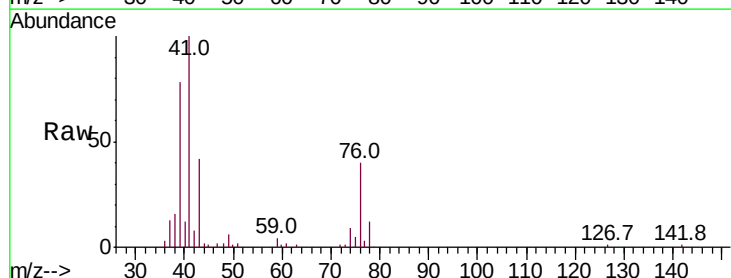
Acq: 20 Apr 2019 00:37

Tgt Ion: 43 Resp: 101768

Ion Ratio Lower Upper

43 100

74 20.4 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

40000

30000

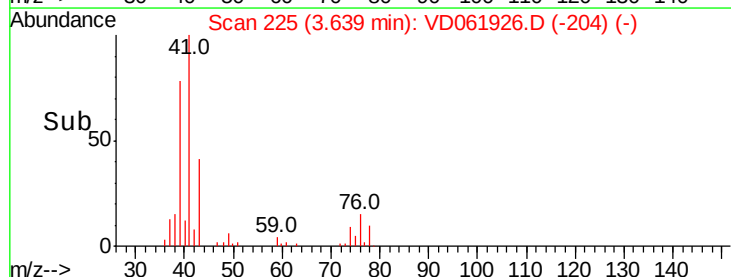
20000

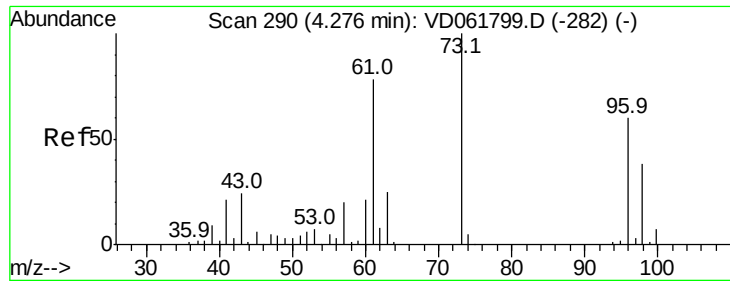
10000

0

3.50 3.60 3.70 3.80

Time-->





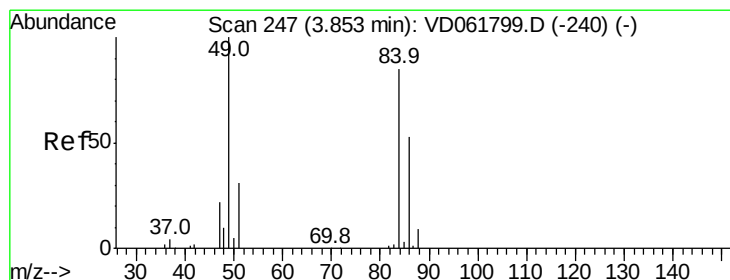
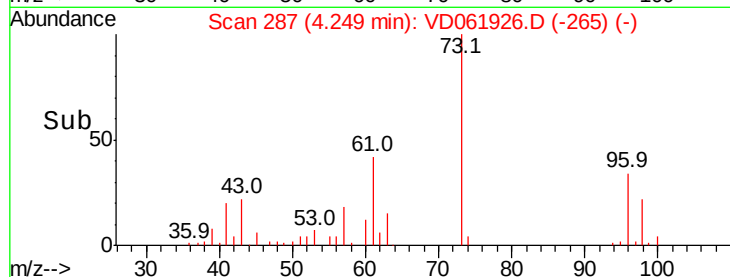
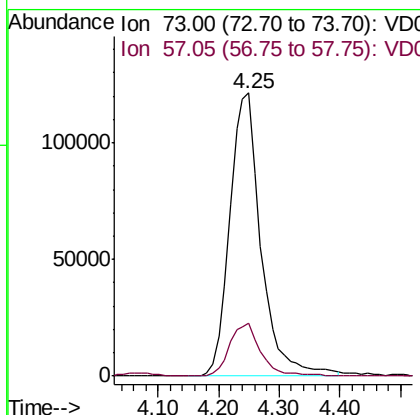
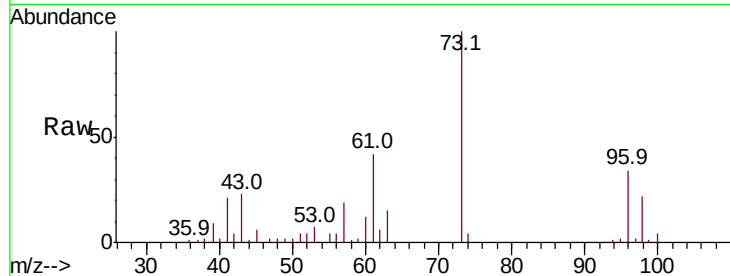
#19
Methyl tert-butyl Ether
Concen: 48.994 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 434625
Ion Ratio Lower Upper
73 100
57 18.6 16.3 24.5

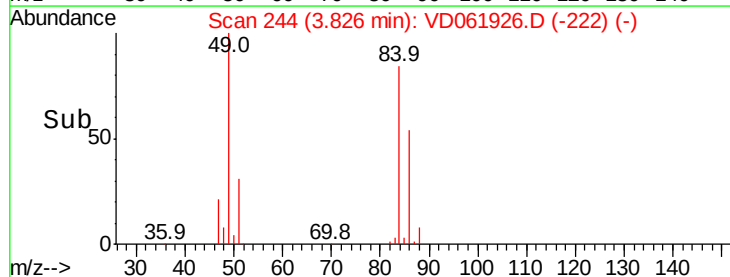
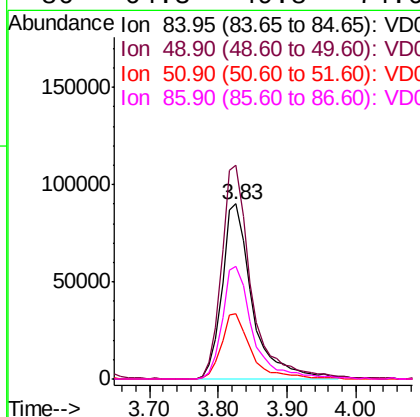
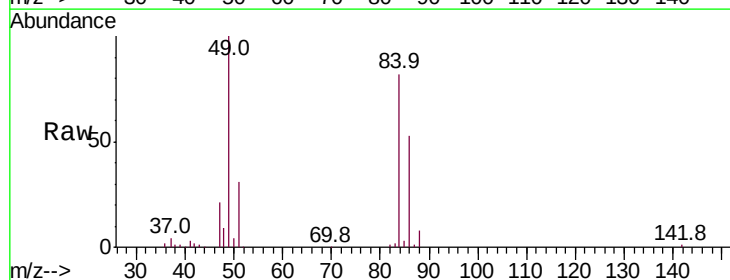
Manual Integrations
APPROVED

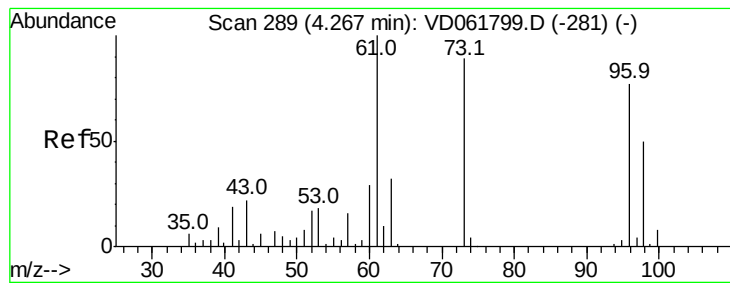
MMDadoda
4/23/2019 6:56:24 AM



#20
Methylene Chloride
Concen: 53.095 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Tgt Ion: 84 Resp: 274630
Ion Ratio Lower Upper
84 100
49 121.8 94.0 141.0
51 37.4 29.0 43.4
86 64.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 46.126 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 240962

Ion Ratio Lower Upper

96 100

61 136.7 104.4 156.6

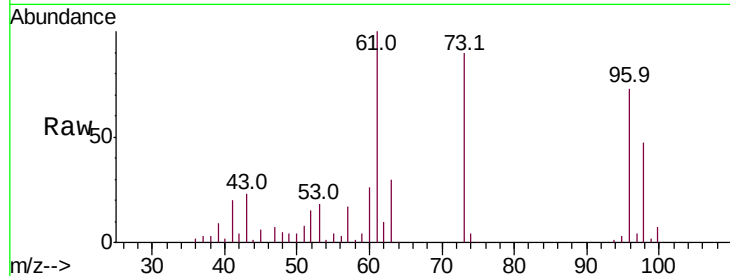
98 64.1 51.8 77.8

Manual Integrations

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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

150000

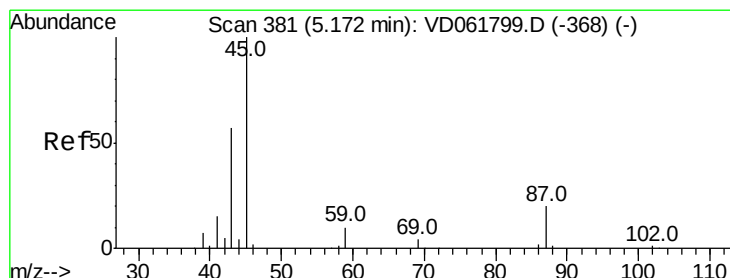
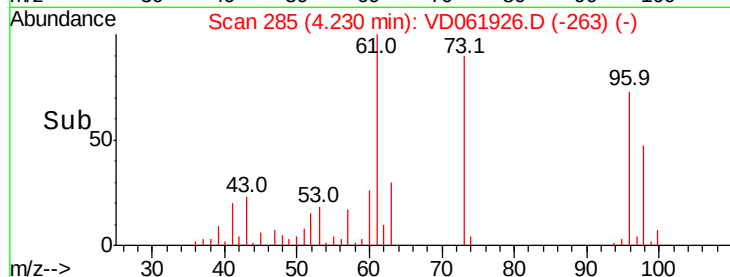
100000

50000

0

4.10 4.20 4.30 4.40

Time-->



#22

Diisopropyl ether

Concen: 50.474 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Tgt Ion: 45 Resp: 699067

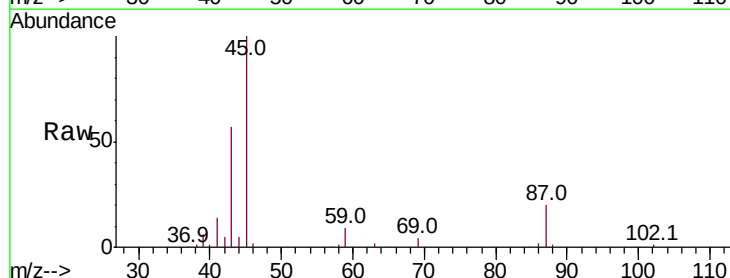
Ion Ratio Lower Upper

45 100

43 57.3 46.2 69.2

87 19.8 15.9 23.9

59 9.2 7.9 11.9



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

600000

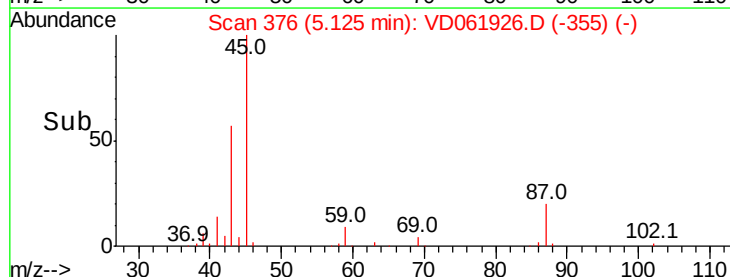
400000

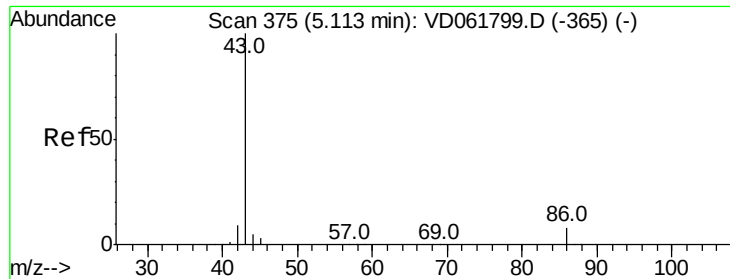
200000

0

5.00 5.20

Time-->





#23

Vinyl Acetate

Concen: 252.177 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1867049

Ion Ratio Lower Upper

43 100

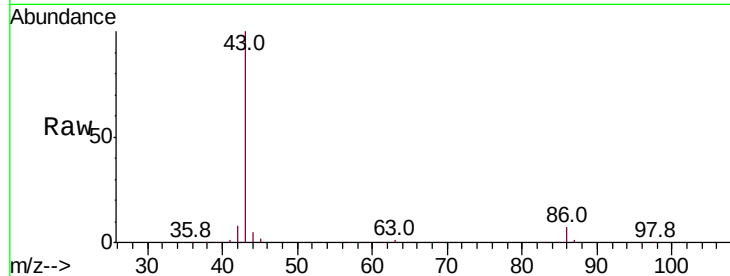
86 7.1 6.4 9.6

Manual Integrations

APPROVED

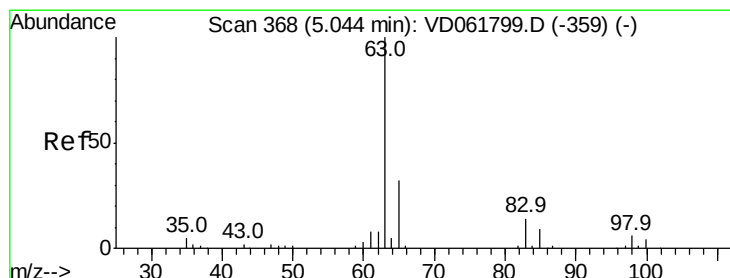
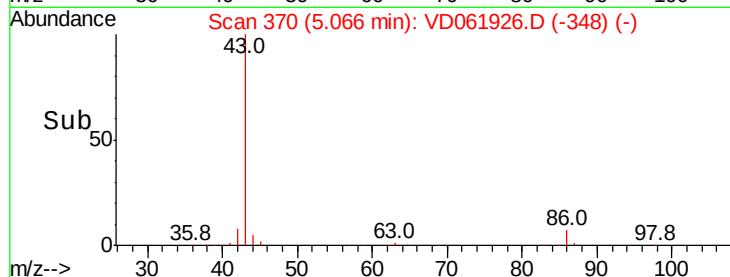
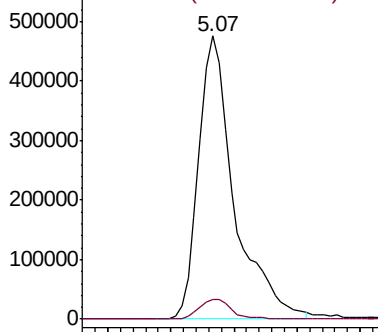
MMDadoda

4/23/2019 6:56:24 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.065 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

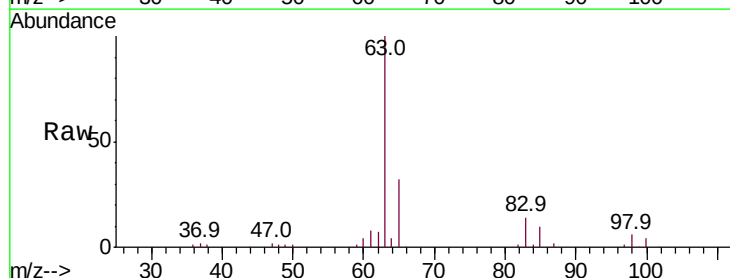
Tgt Ion: 63 Resp: 412014

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

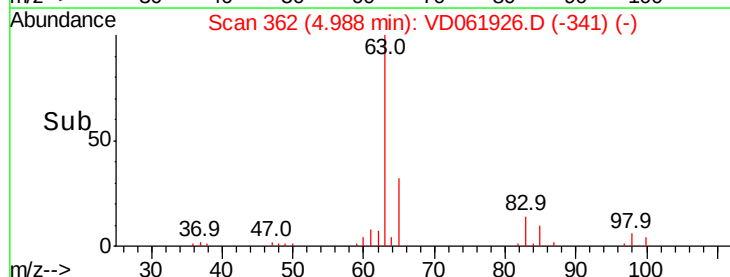
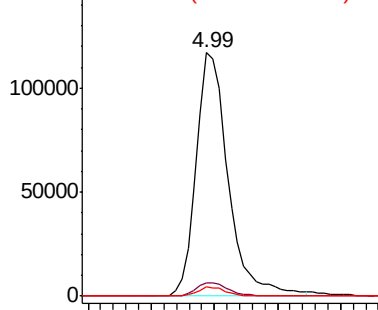
100 3.7 1.8 5.5

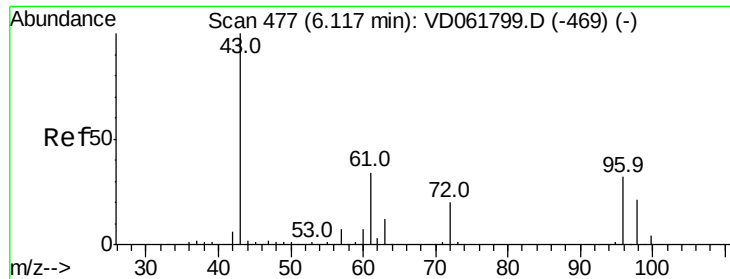


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 260.680 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 310486

Ion Ratio Lower Upper

43 100

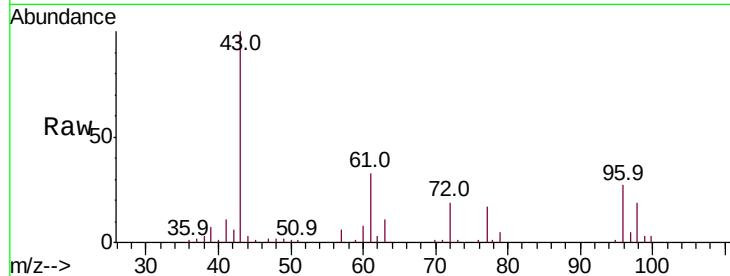
72 19.2 16.2 24.4

Manual Integrations

APPROVED

MMDadoda

4/23/2019 6:56:24 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

120000

100000

80000

60000

40000

20000

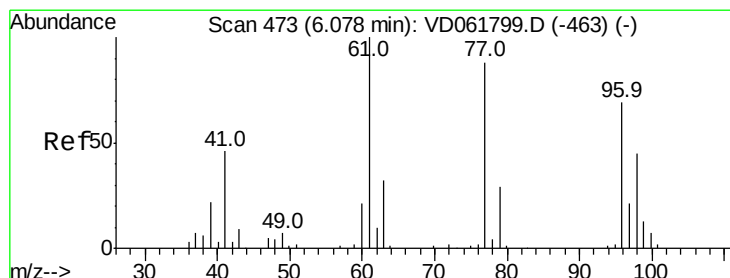
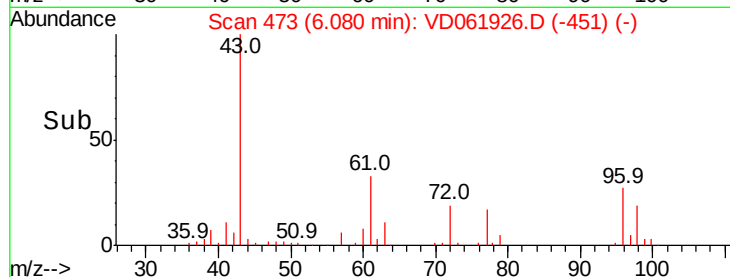
0

6.08

6.10

6.20

Time-->



#26

2,2-Dichloropropane

Concen: 46.636 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061926.D

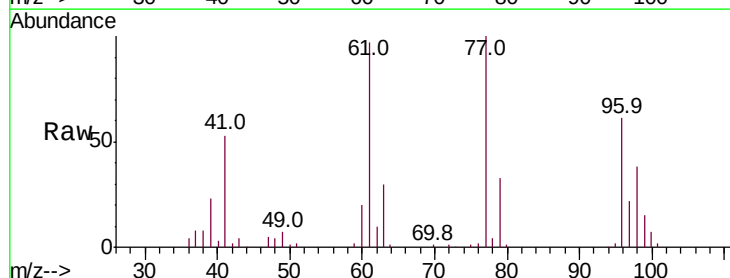
Acq: 20 Apr 2019 00:37

Tgt Ion: 77 Resp: 338488

Ion Ratio Lower Upper

77 100

97 22.3 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

100000

80000

60000

40000

20000

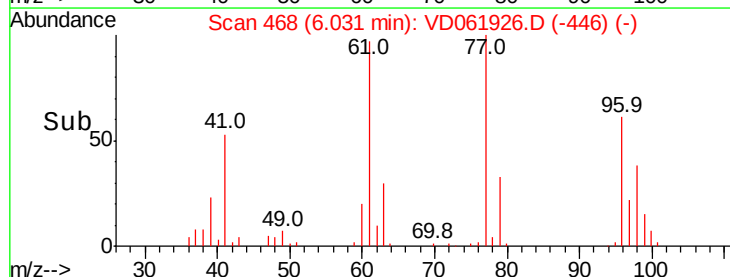
0

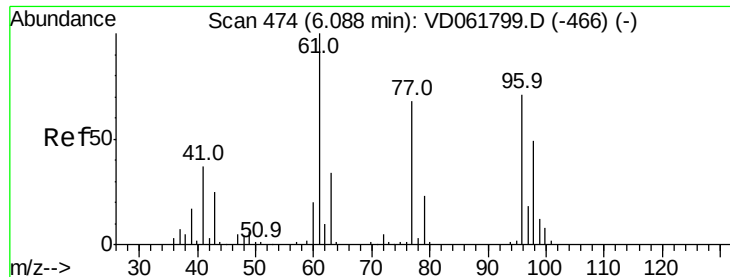
6.03

6.10

6.20

Time-->





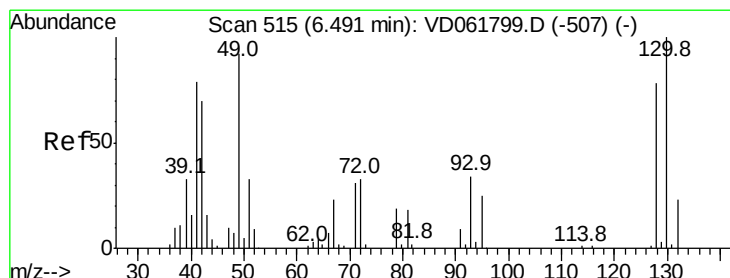
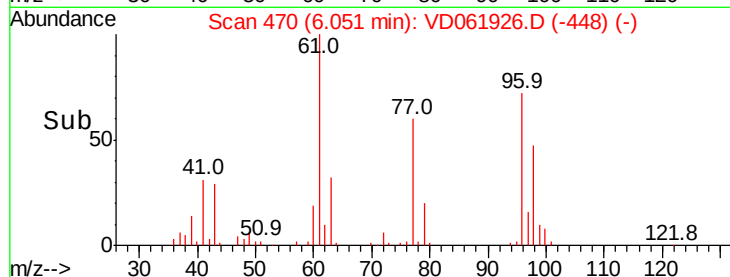
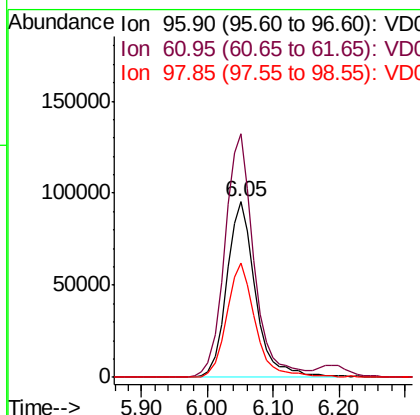
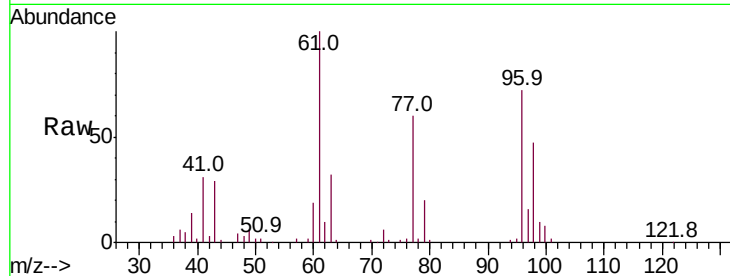
#27
 cis-1,2-Dichloroethene
 Concen: 51.505 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	291673		
61	138.6	0.0	279.8	
98	65.3	0.0	136.0	

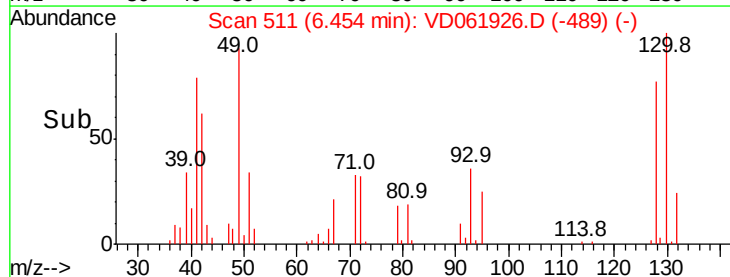
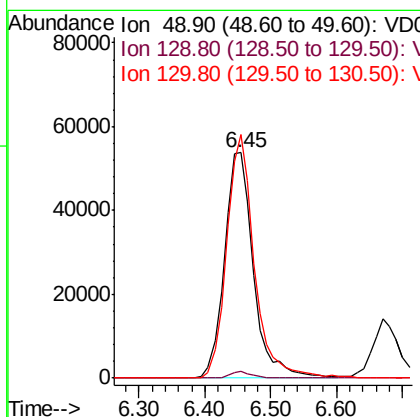
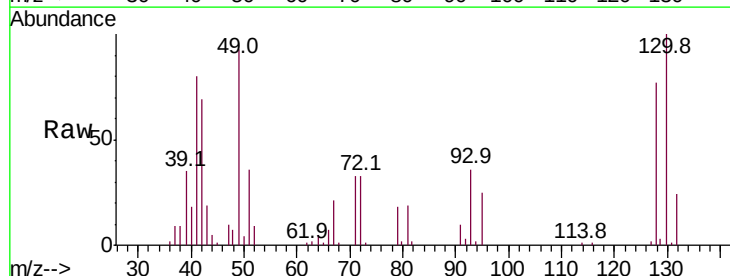
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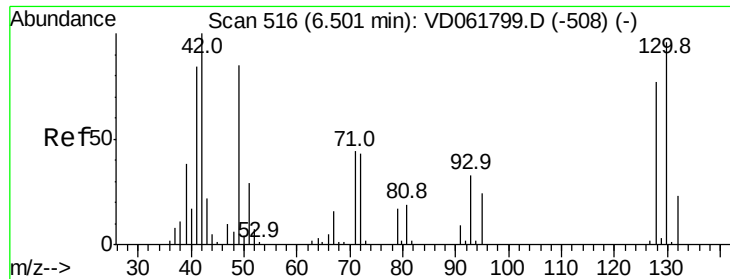
MMDadoda
 4/23/2019 6:56:24 AM



#28
 Bromochloromethane
 Concen: 51.953 ug/l
 RT: 6.45 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	165710		
129	3.2	0.0	6.6	
130	108.0	86.7	130.1	





#29

Tetrahydrofuran

Concen: 250.380 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 42 Resp: 145266

Ion Ratio Lower Upper

42 100

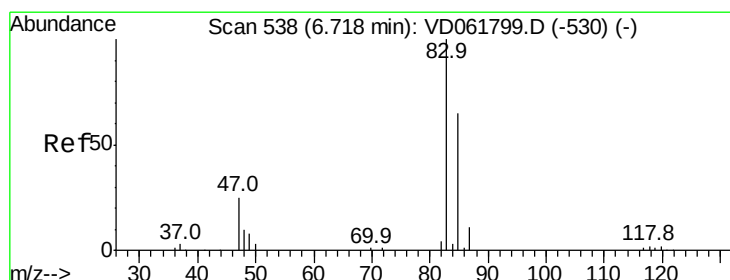
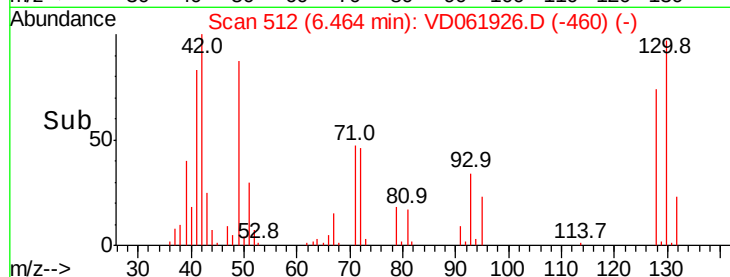
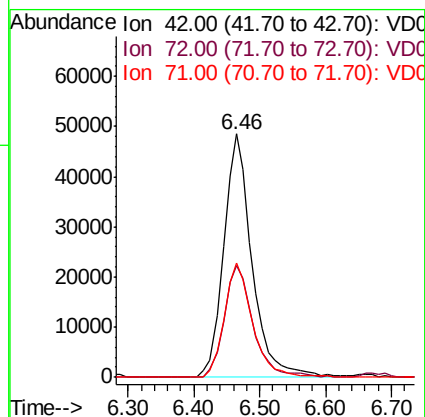
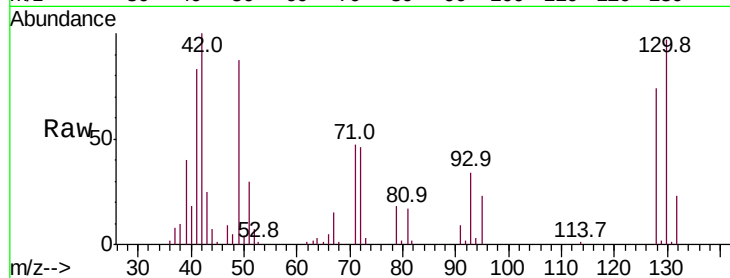
72 46.7 37.8 56.6

71 46.2 36.7 55.1

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#30

Chloroform

Concen: 49.267 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD061926.D

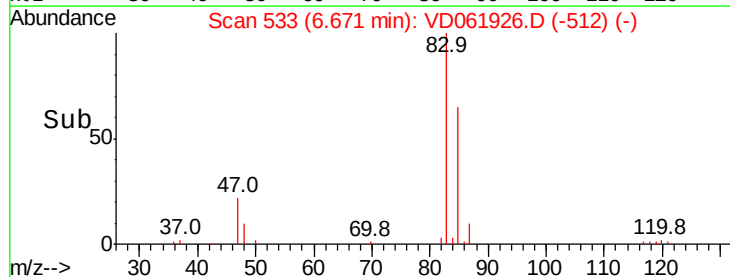
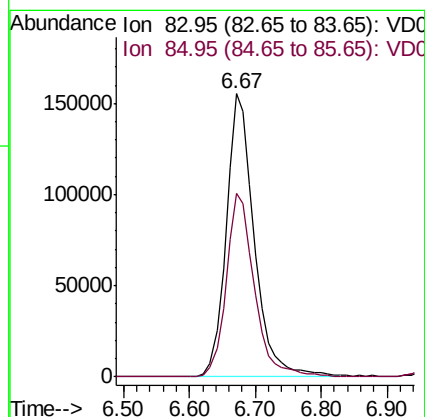
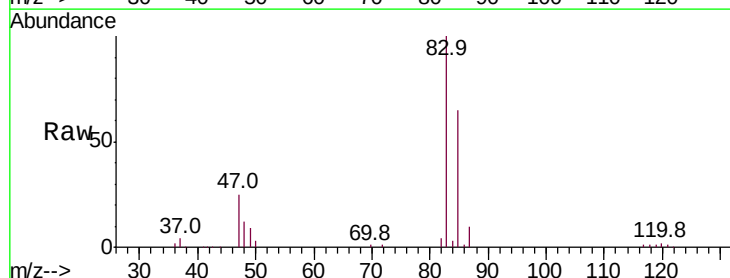
Acq: 20 Apr 2019 00:37

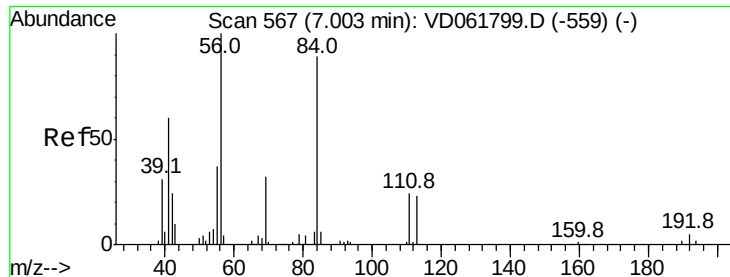
Tgt Ion: 83 Resp: 461443

Ion Ratio Lower Upper

83 100

85 65.0 51.7 77.5





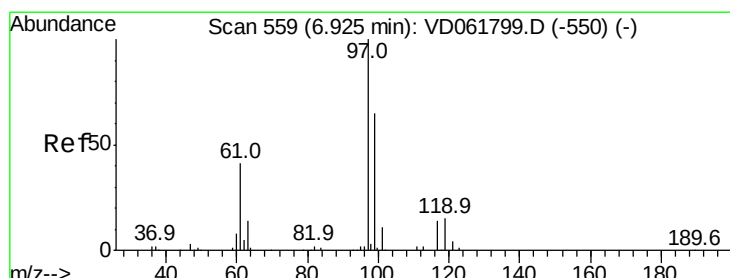
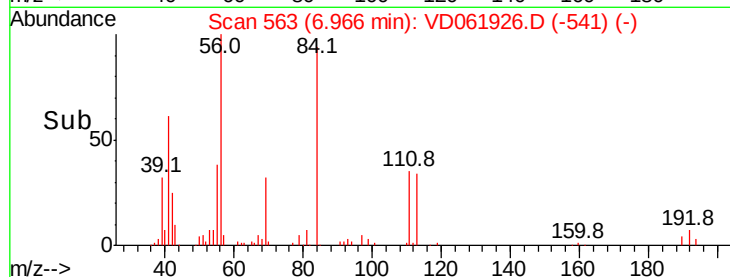
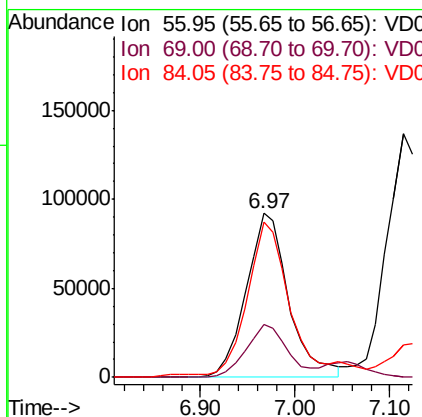
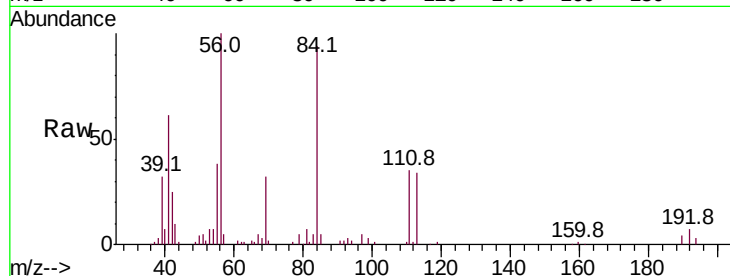
#31
Cyclohexane
Concen: 44.526 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.8	38.6
84	94.4	72.2	108.4

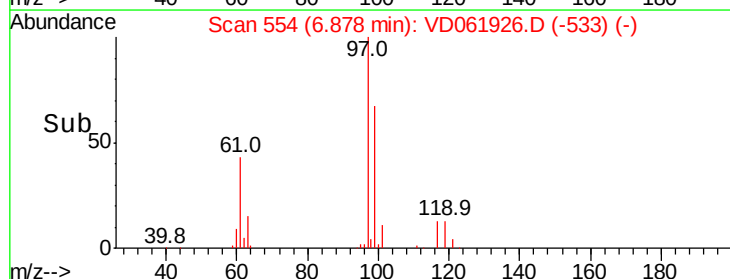
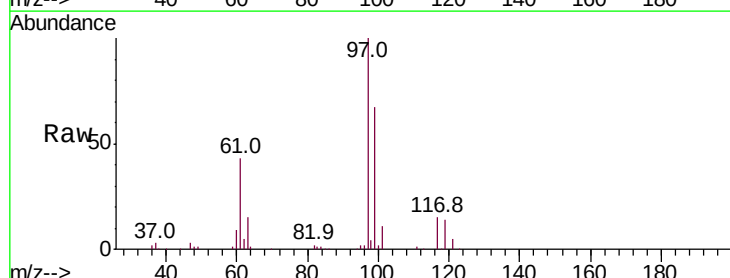
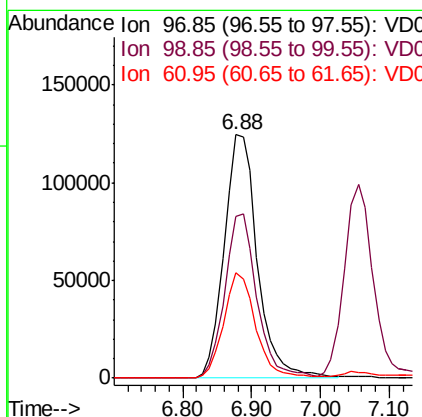
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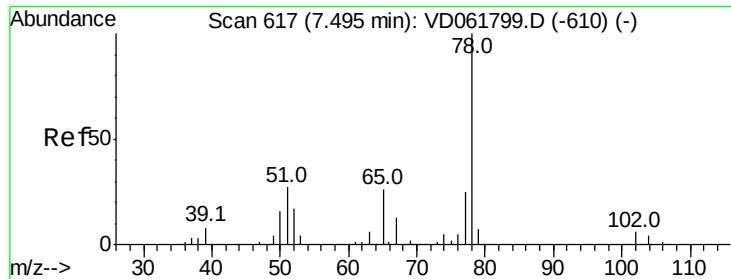
MMDadoda
4/23/2019 6:56:24 AM



#32
1,1,1-Trichloroethane
Concen: 50.272 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.6	52.2	78.2
61	43.2	32.4	48.6





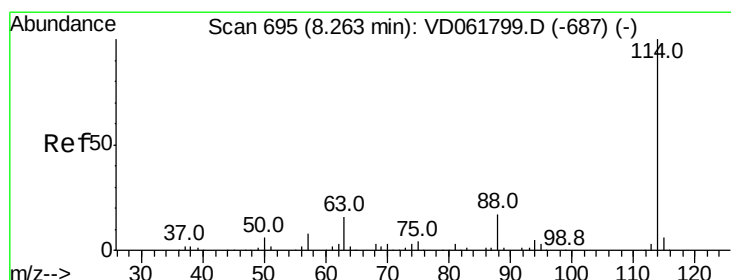
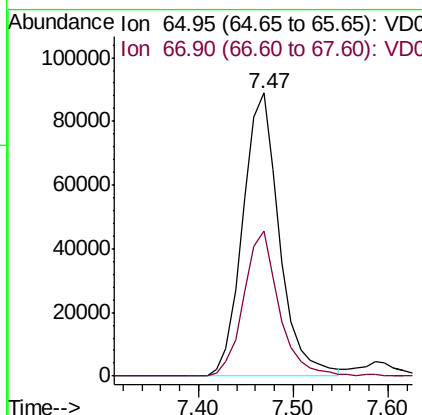
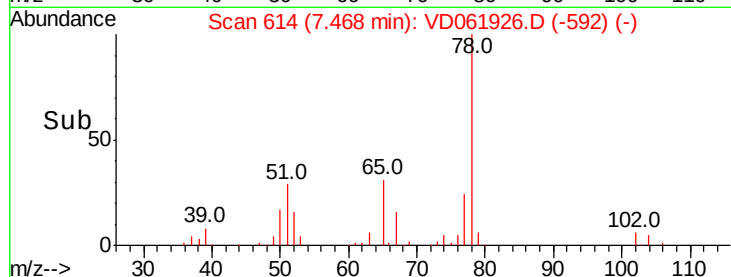
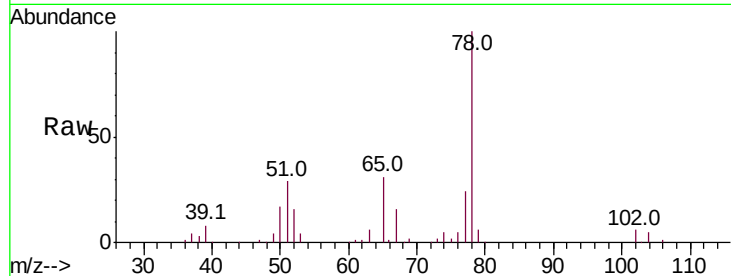
#33
 1,2-Dichloroethane-d4
 Concen: 56.112 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	238189		
67	51.4	0.0	98.0	

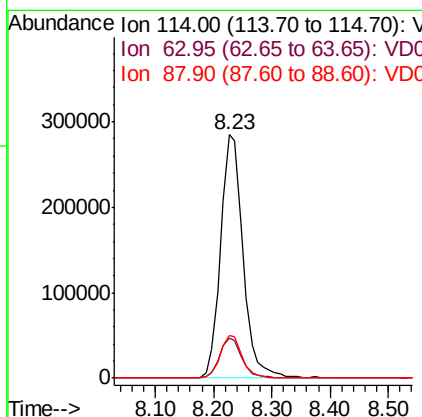
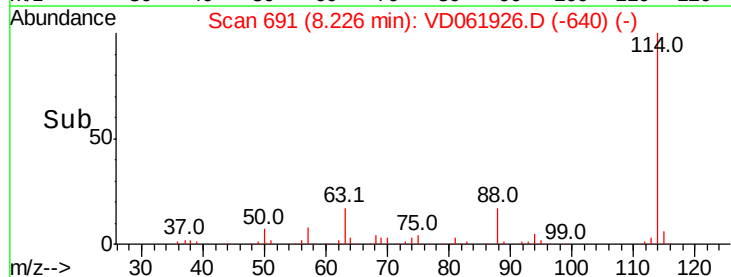
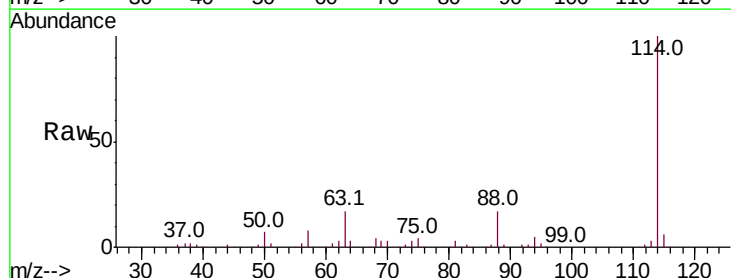
Manual Integrations
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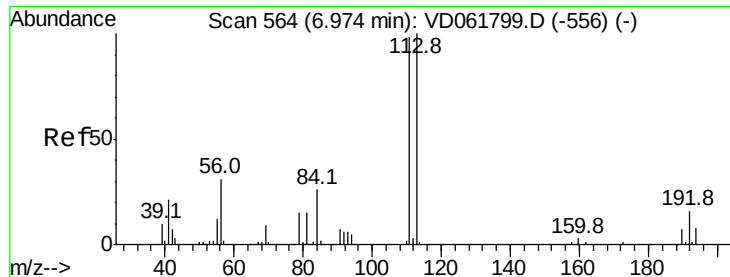
MMDadoda
 4/23/2019 6:56:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	762272		
63	16.7	0.0	32.4	
88	17.4	0.0	33.6	





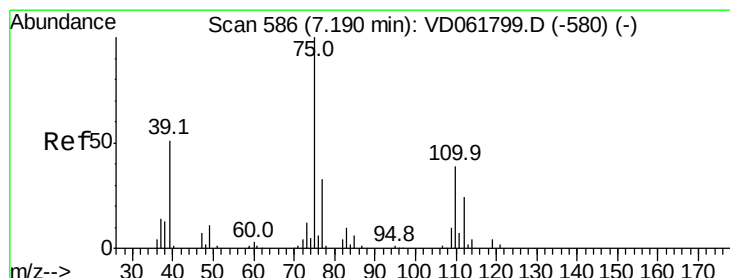
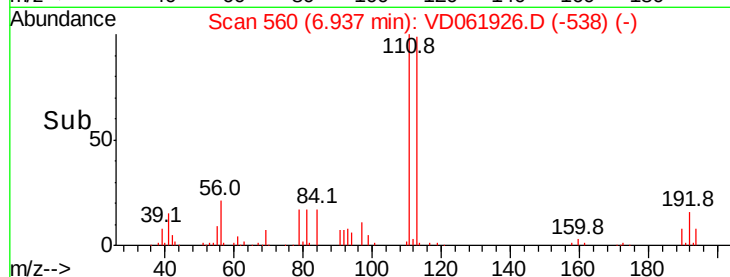
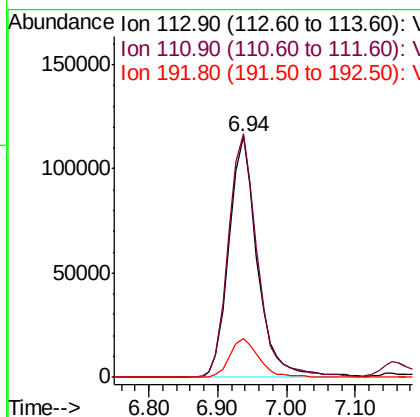
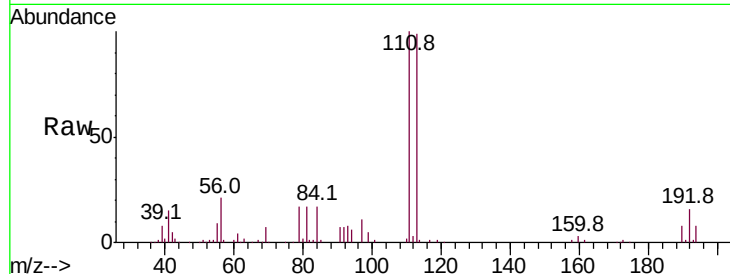
#35
Dibromofluoromethane
Concen: 57.436 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	78.5	117.7
192	16.3	13.0	19.4

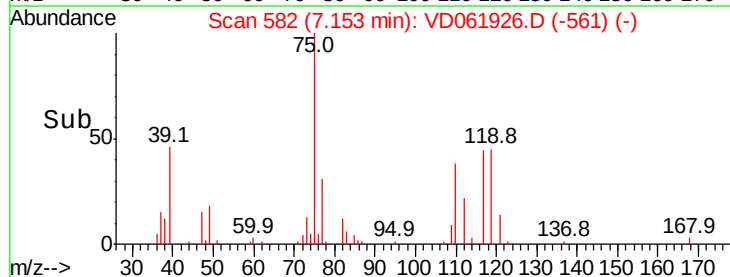
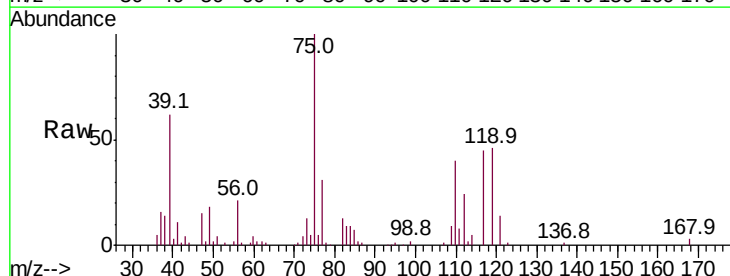
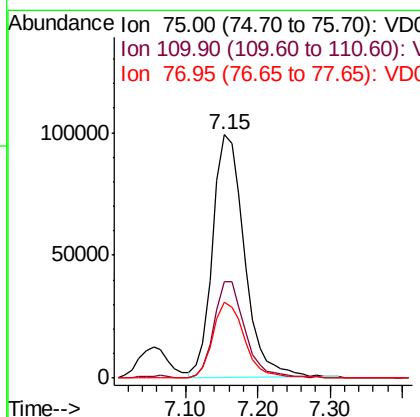
Manual Integrations
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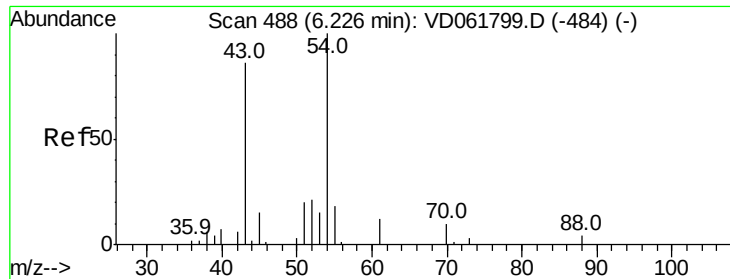
MMDadoda
4/23/2019 6:56:24 AM



#36
1,1-Dichloropropene
Concen: 48.138 ug/l
RT: 7.15 min Scan# 582
Delta R.T. 0.00 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.7	19.1	57.1
77	31.3	25.6	38.4





#37

Ethyl Acetate

Concen: 49.962 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

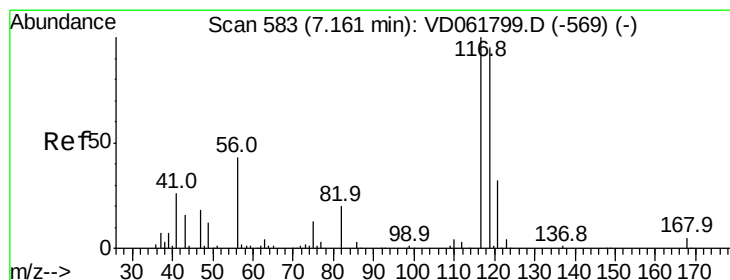
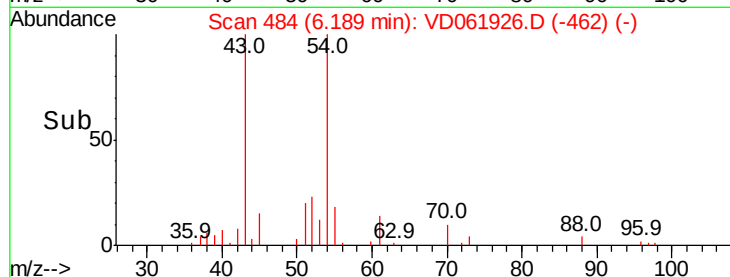
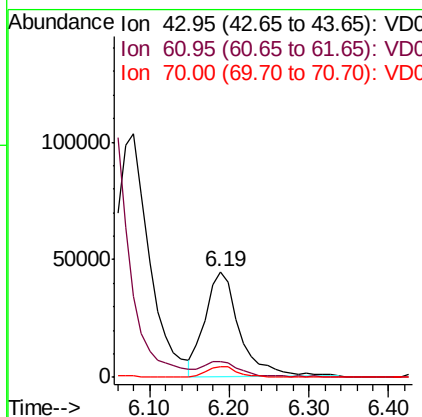
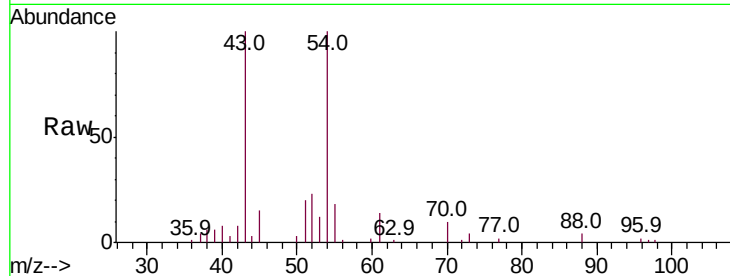
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	133196
Ion	Ratio	Lower	Upper
43	100		
61	14.4	14.7	22.1#
70	10.2	7.8	11.6

Manual Integrations
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4/23/2019 6:56:24 AM



#38

Carbon Tetrachloride

Concen: 52.025 ug/l m

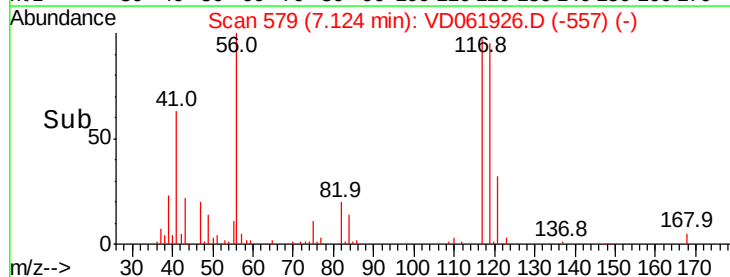
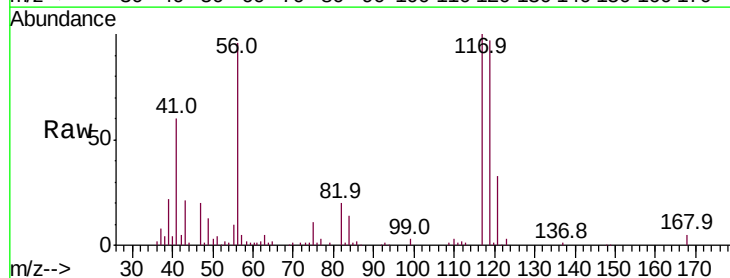
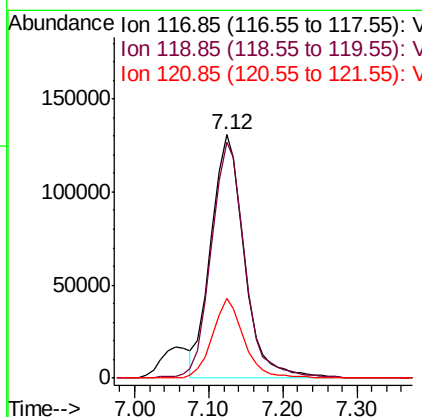
RT: 7.12 min Scan# 579

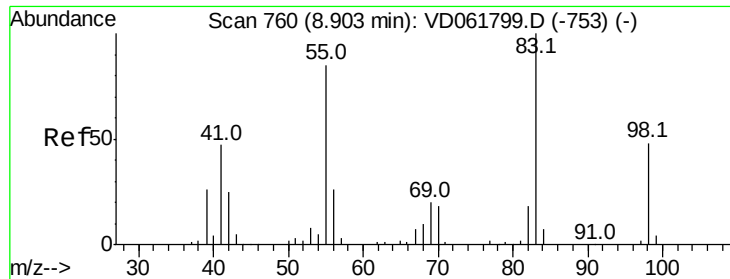
Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Tgt Ion:	117	Resp:	409202
Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.8	113.8
121	32.6	25.9	38.9





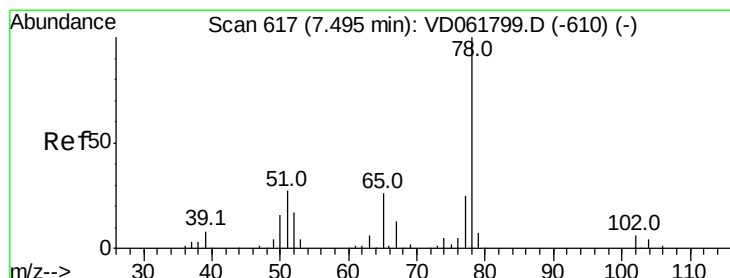
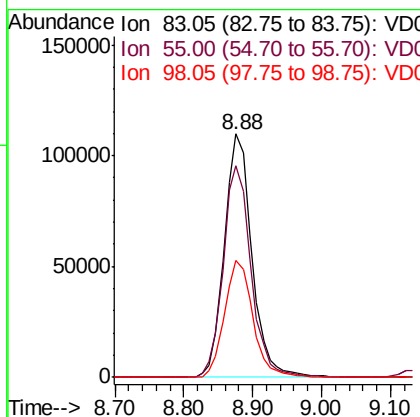
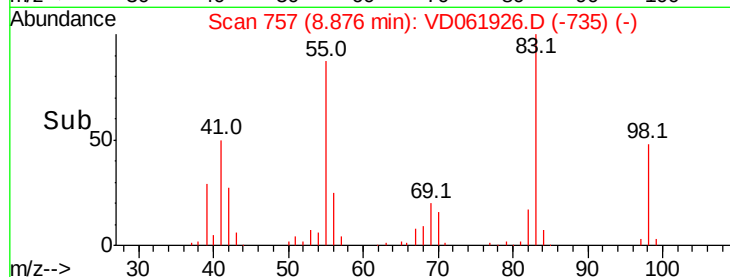
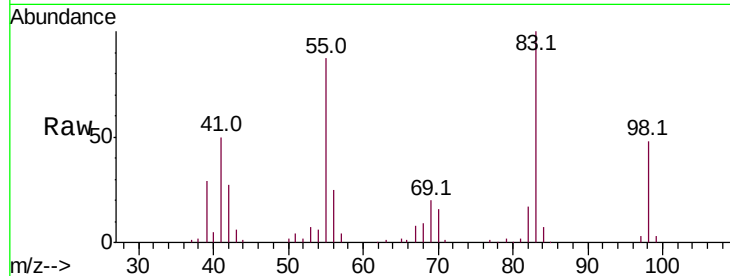
#39
Methylvlcyclohexane
Concen: 47.150 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.8	68.2	102.4
98	48.0	38.2	57.4

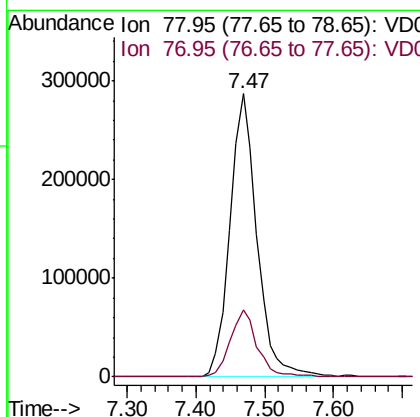
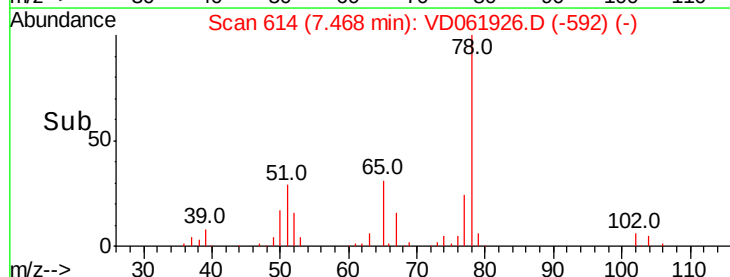
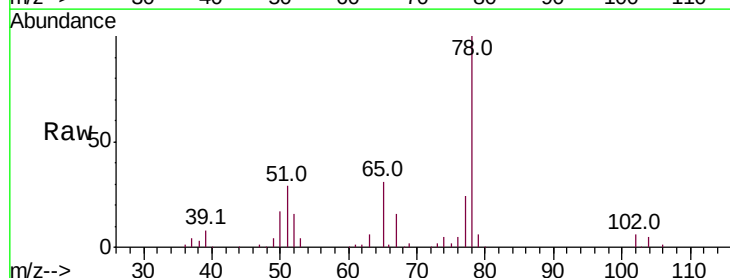
Manual Integrations
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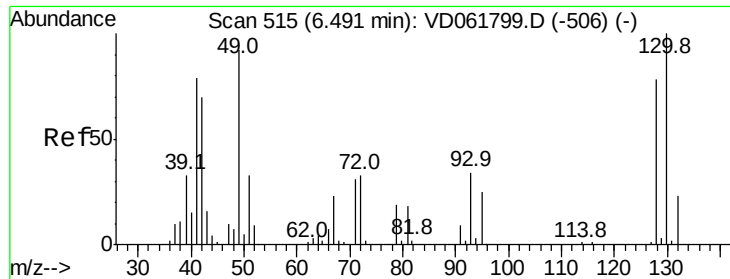
MMDadoda
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#40
Benzene
Concen: 52.080 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.7	29.5





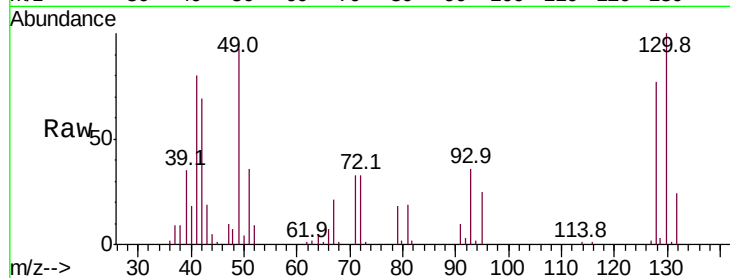
#41
Methacrylonitrile
Concen: 54.252 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

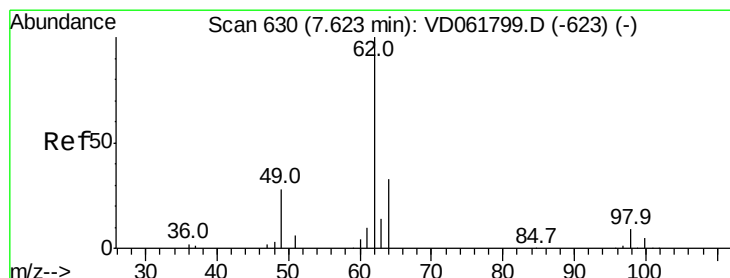
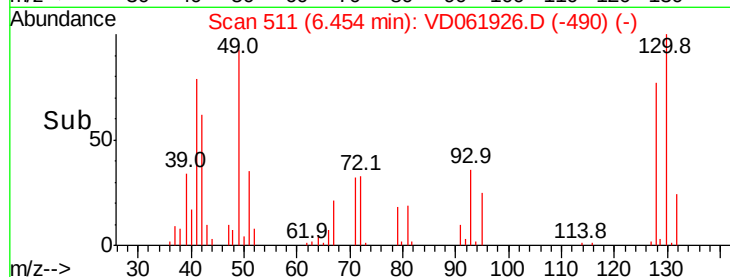
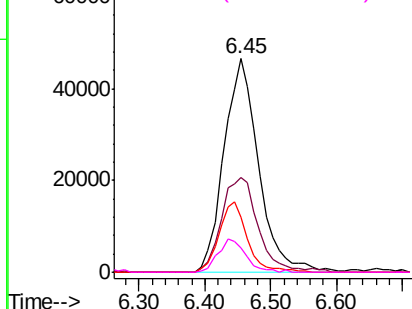
Tot Ion	Ratio	Lower	Upper
41	100		
39	44.3	34.1	51.1
67	25.6	23.8	35.6
52	11.7	8.8	13.2

Manual Integrations
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4/23/2019 6:56:24 AM

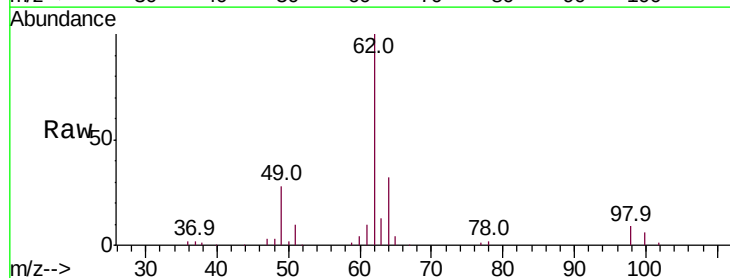


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

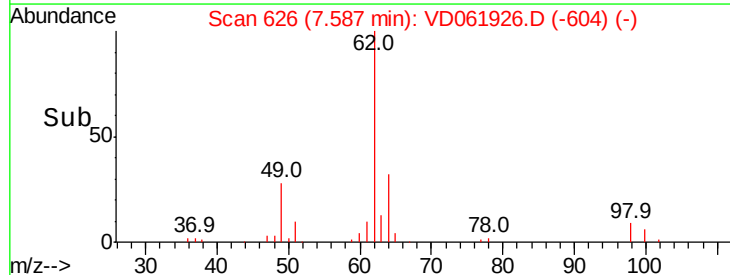
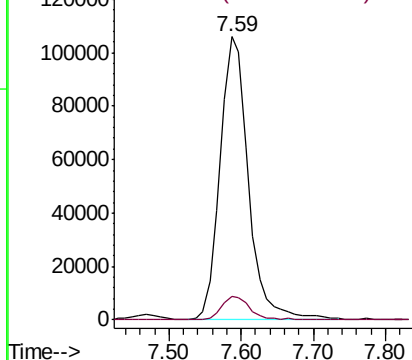


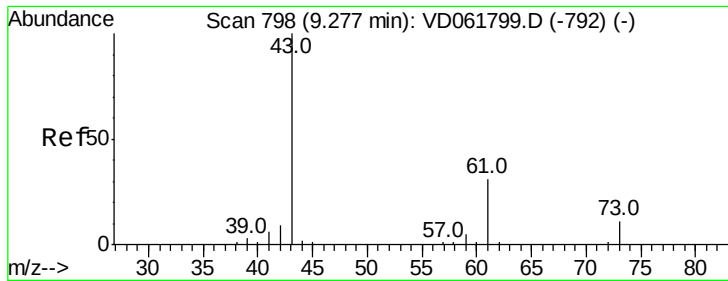
#42
1,2-Dichloroethane
Concen: 55.229 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 55.976 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

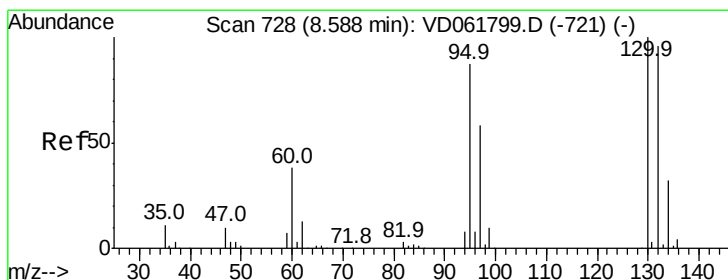
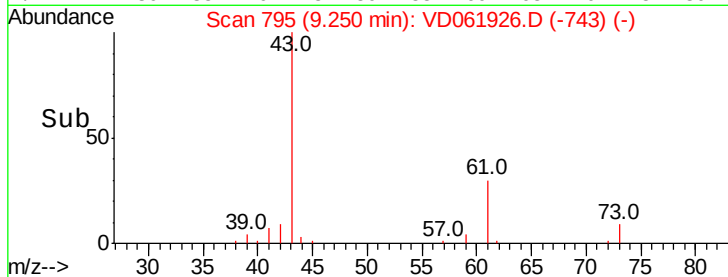
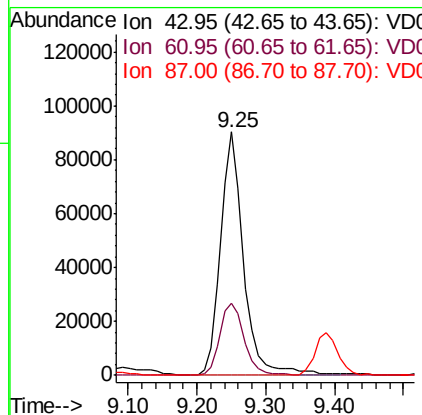
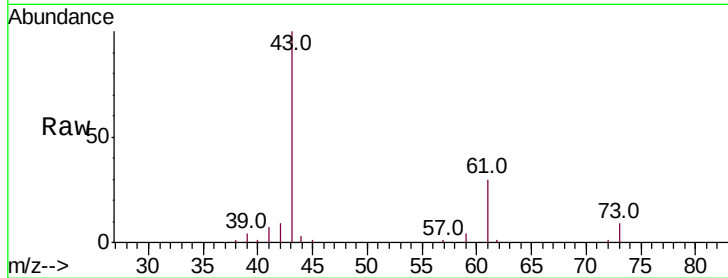
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	210003
Ion	Ratio	Lower	Upper
43	100		
61	29.6	25.1	37.7
87	0.0	0.0	0.0

Manual Integrations
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#44

Trichloroethene

Concen: 52.494 ug/l

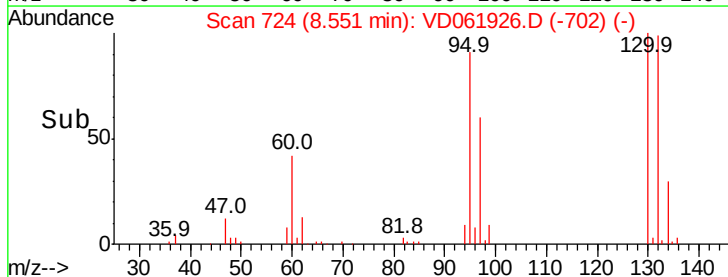
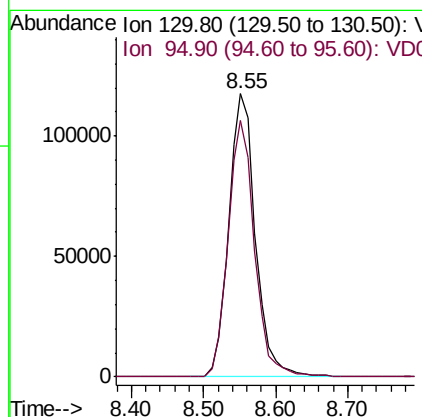
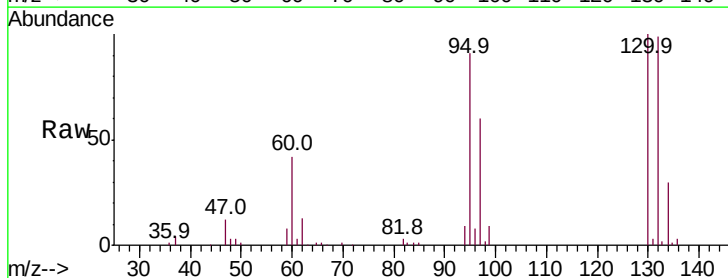
RT: 8.55 min Scan# 724

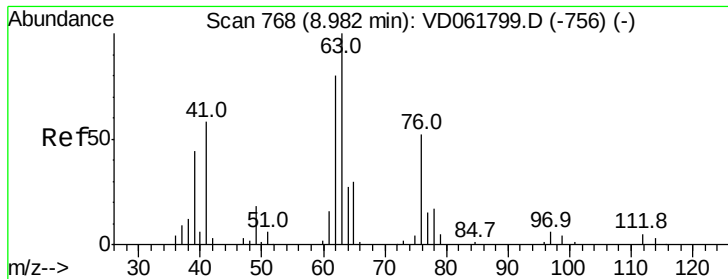
Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Tgt Ion:	130	Resp:	302199
Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	174.0





#45

1,2-Dichloropropane

Concen: 54.650 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 212876

Ion Ratio Lower Upper

63 100

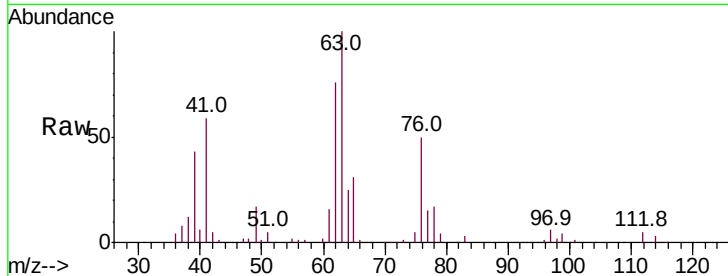
65 30.6 23.8 35.6

Manual Integrations

APPROVED

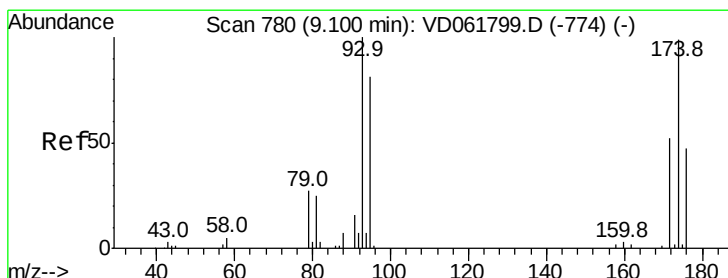
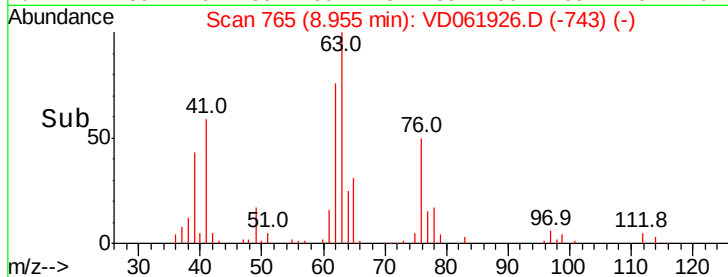
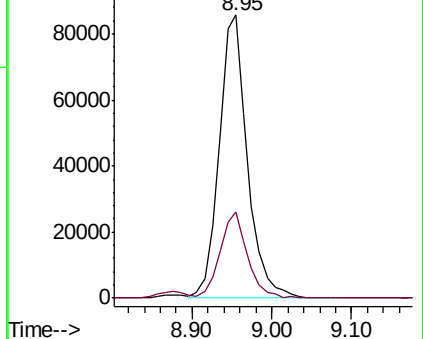
MMDadoda

4/23/2019 6:56:24 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 55.703 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

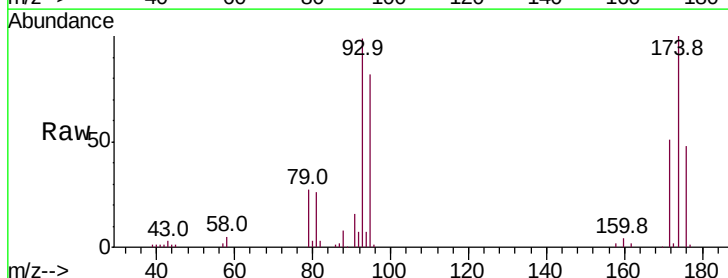
Tgt Ion: 93 Resp: 154605

Ion Ratio Lower Upper

93 100

95 82.8 64.8 97.2

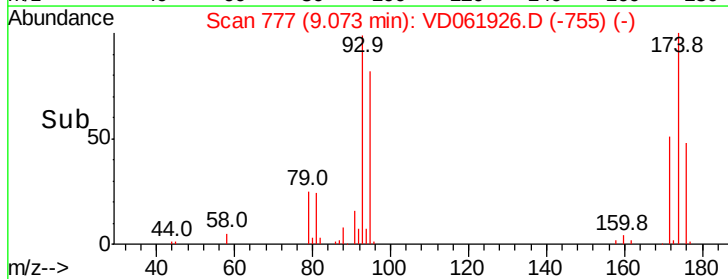
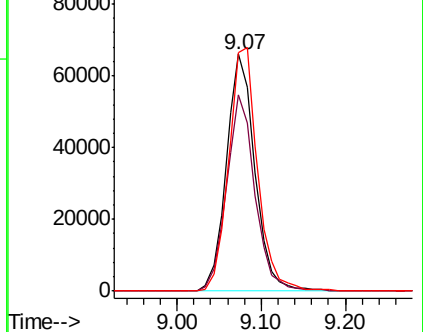
174 100.5 79.3 118.9

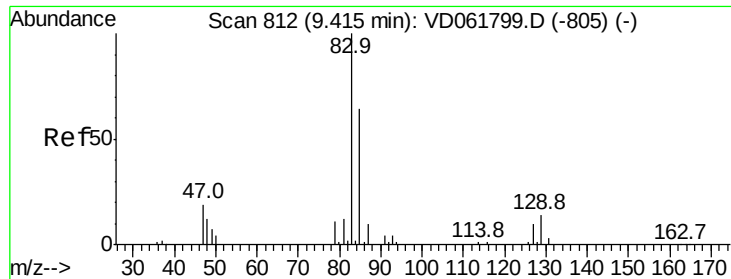


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





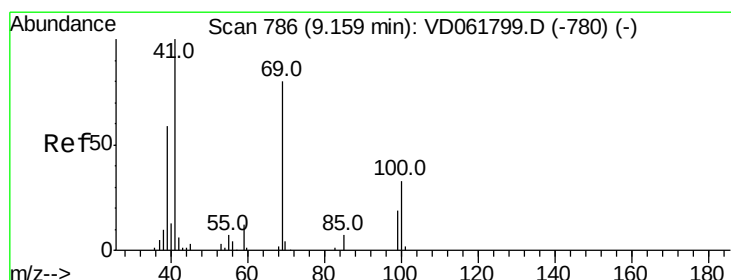
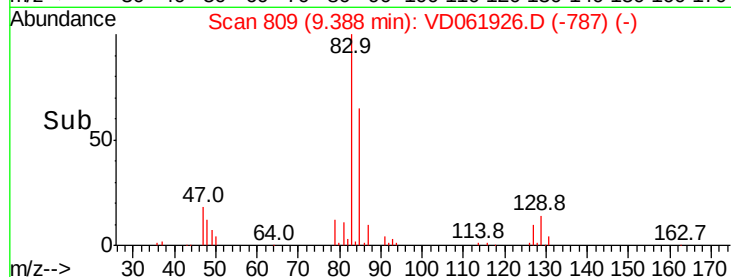
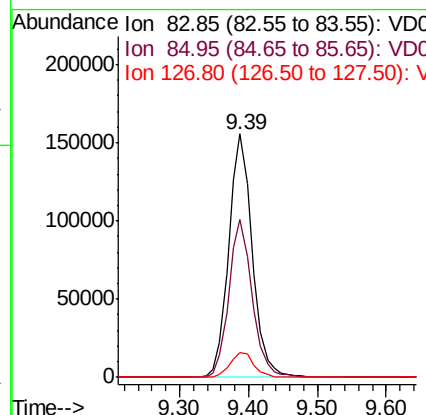
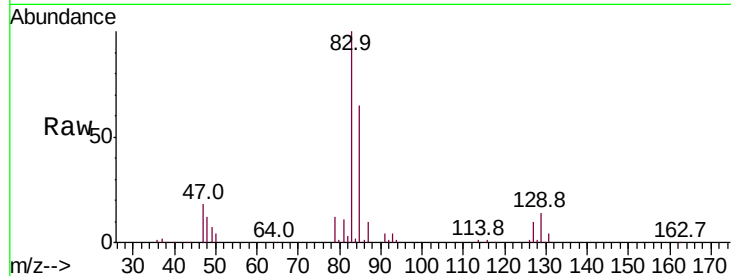
#47
Bromodichloromethane
Concen: 57.295 ug/l
RT: 9.39 min Scan# 809
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.8	50.9	76.3	
127	9.9	8.1	12.1	

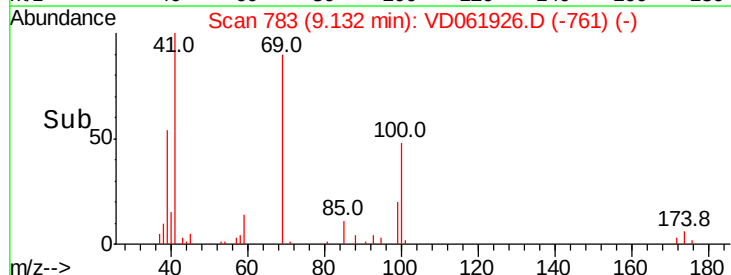
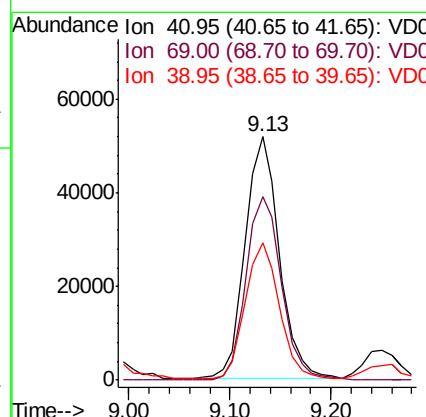
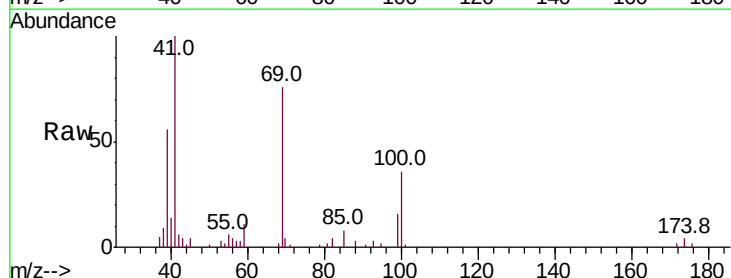
Manual Integrations
APPROVED

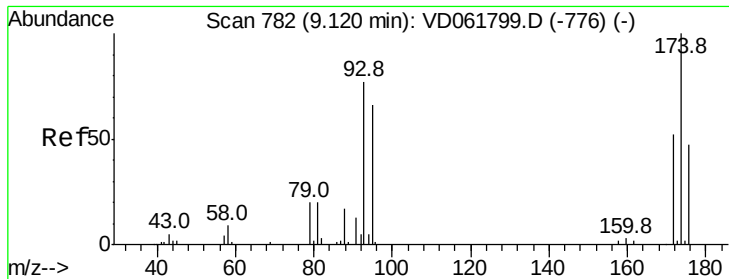
MMDadoda
4/23/2019 6:56:24 AM



#48
Methyl methacrylate
Concen: 55.213 ug/l
RT: 9.13 min Scan# 783
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	75.5	64.2	96.2	
39	56.2	46.8	70.2	





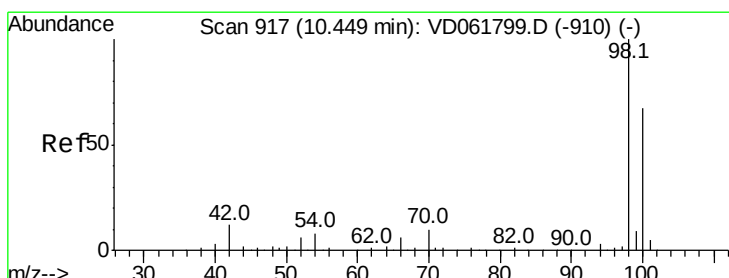
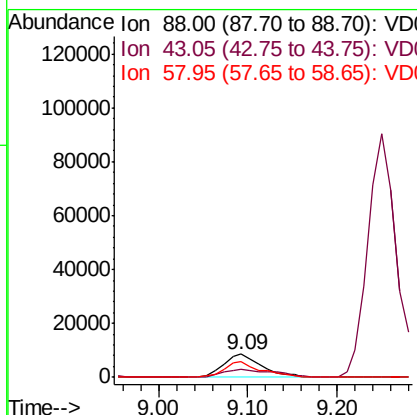
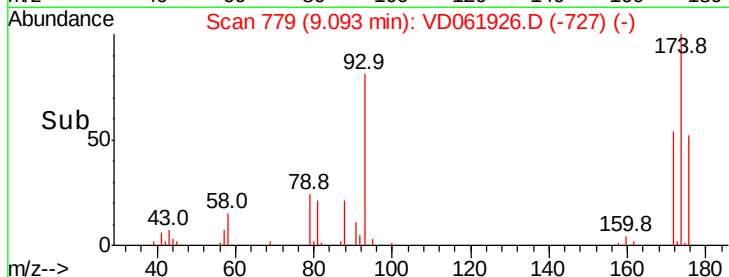
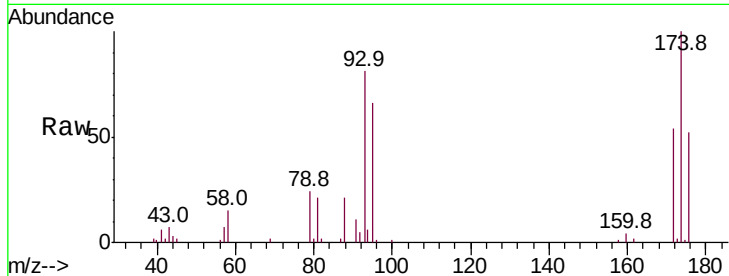
#49
 1,4-Dioxane
 Concen: 1078.587 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	23.4	35.0
58	70.1	44.0	66.0

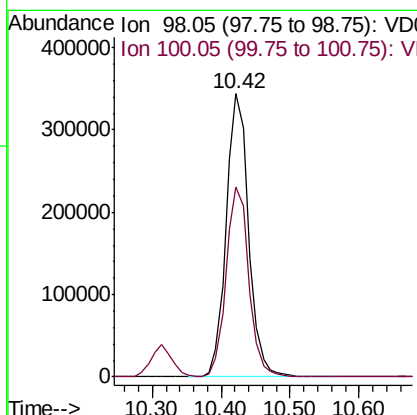
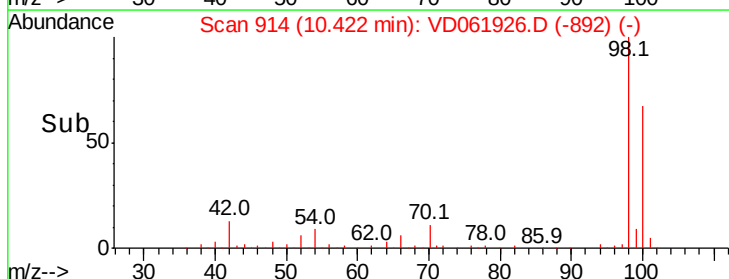
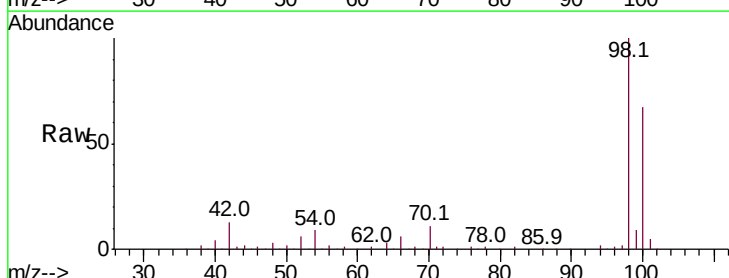
Manual Integrations
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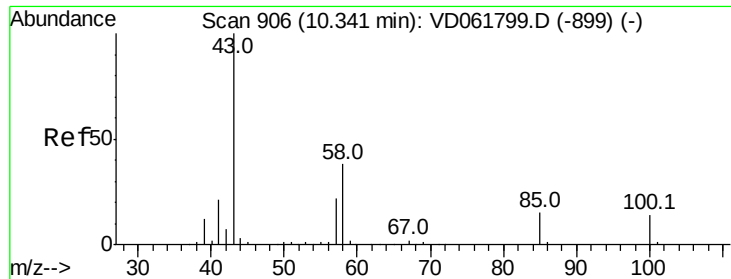
MMDadoda
 4/23/2019 6:56:24 AM



#50
 Toluene-d8
 Concen: 56.822 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 292.683 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 671490

Ion Ratio Lower Upper

43 100

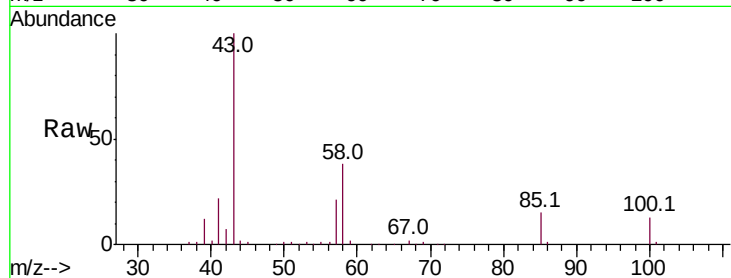
58 37.6 30.4 45.6

Manual Integrations

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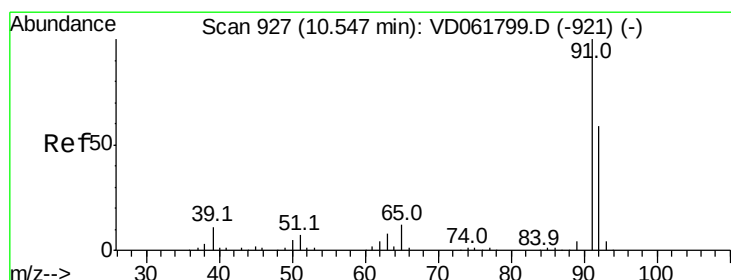
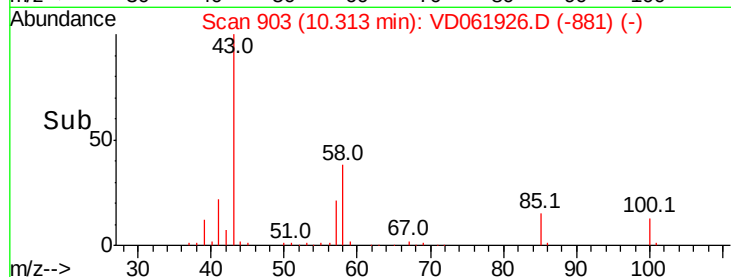
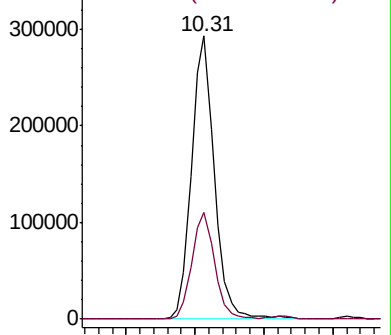
MMDadoda

4/23/2019 6:56:24 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.400 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD061926.D

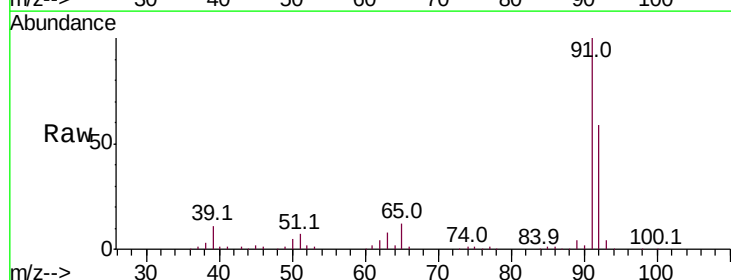
Acq: 20 Apr 2019 00:37

Tgt Ion: 92 Resp: 482996

Ion Ratio Lower Upper

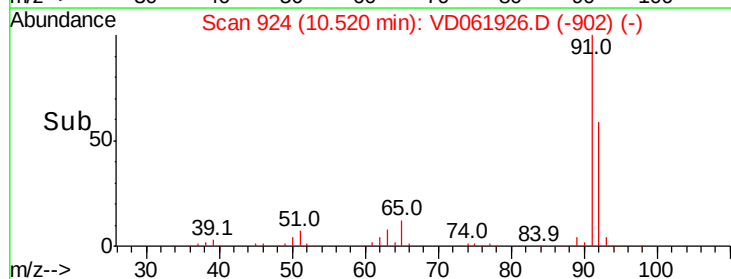
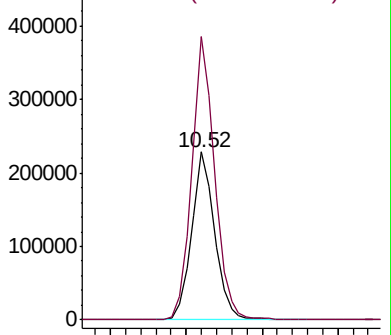
92 100

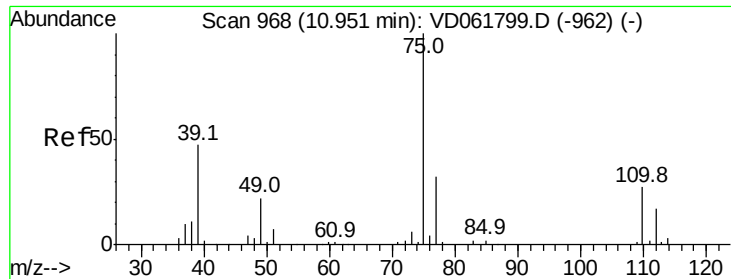
91 168.8 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





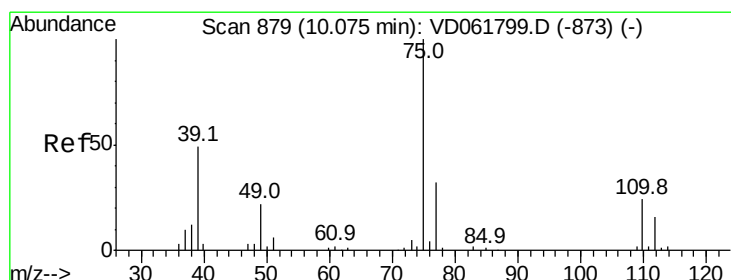
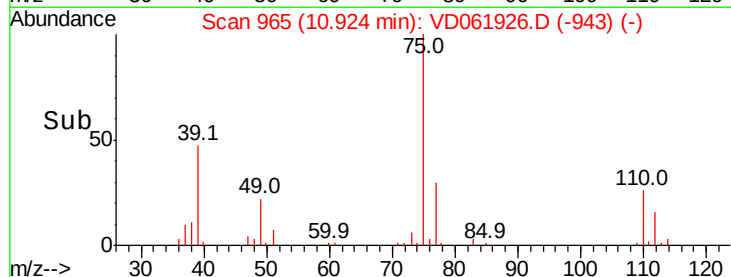
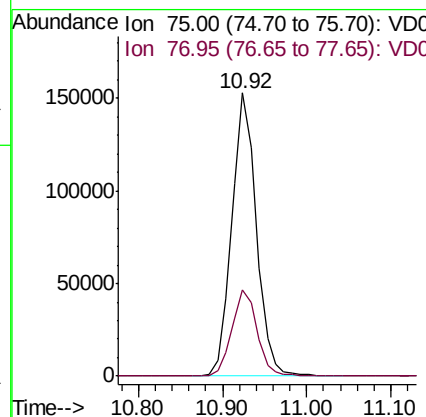
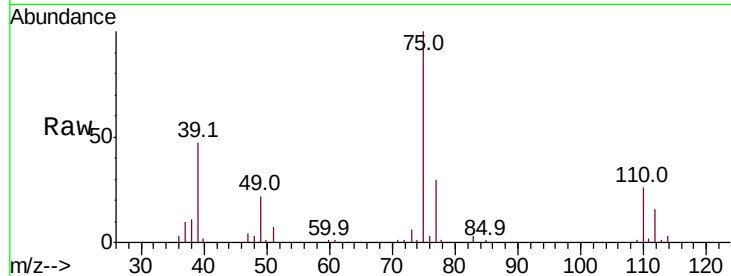
#53
t-1,3-Dichloropropene
Concen: 53.615 ug/l
RT: 10.92 min Scan# 965
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 309345
Ion Ratio Lower Upper
75 100
77 30.3 25.8 38.8

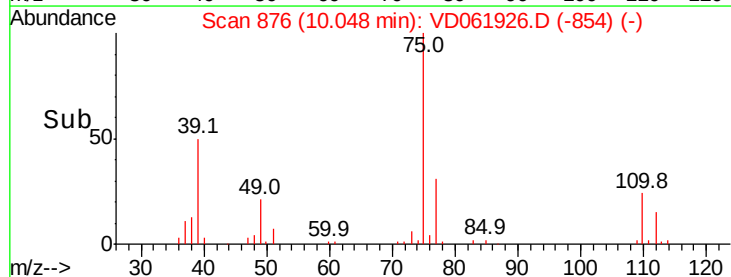
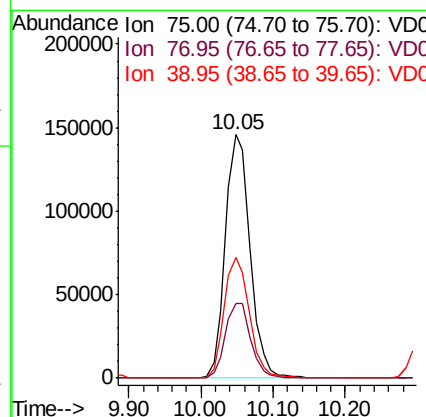
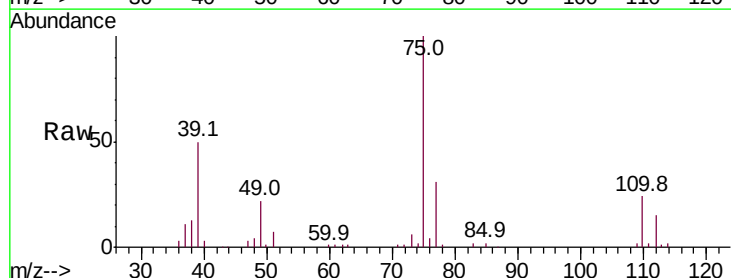
Manual Integrations
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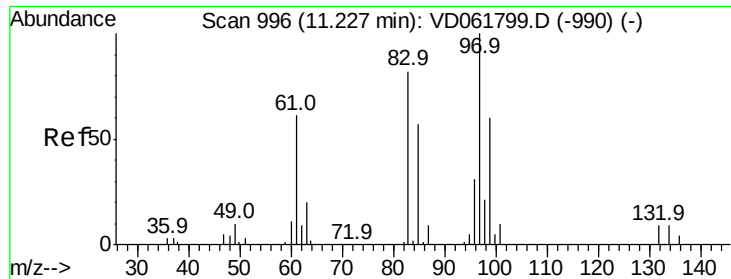
MMDadoda
4/23/2019 6:56:24 AM



#54
cis-1,3-Dichloropropene
Concen: 51.007 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Tgt Ion: 75 Resp: 345455
Ion Ratio Lower Upper
75 100
77 30.5 25.5 38.3
39 49.6 39.4 59.2





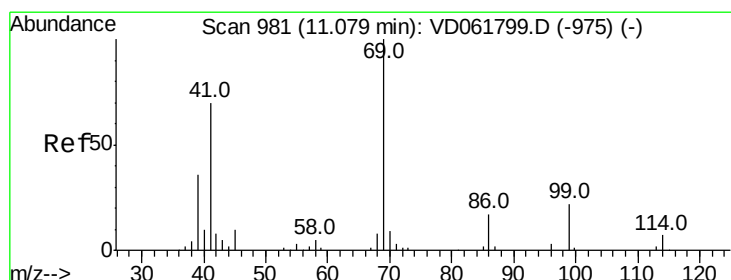
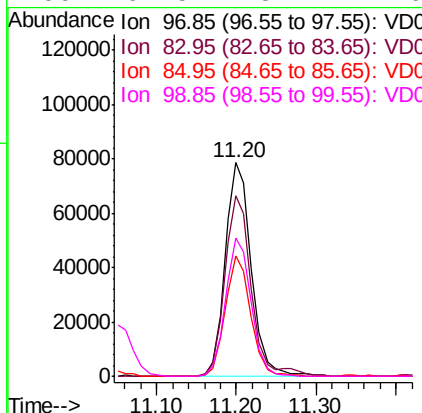
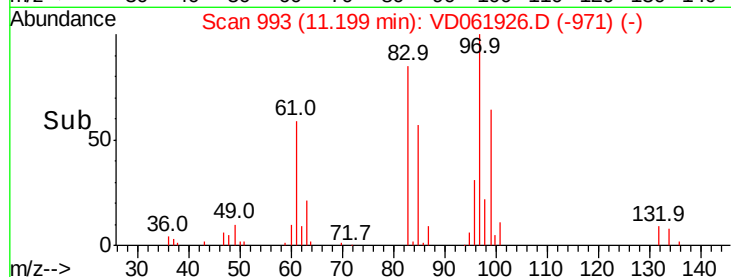
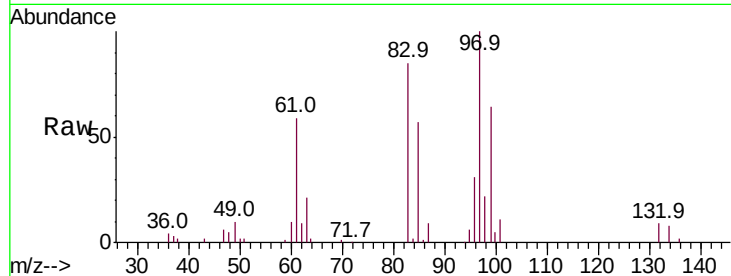
#55
 1,1,2-Trichloroethane
 Concen: 55.811 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.5	65.7	98.5	
85	56.5	45.6	68.4	
99	64.5	48.4	72.6	

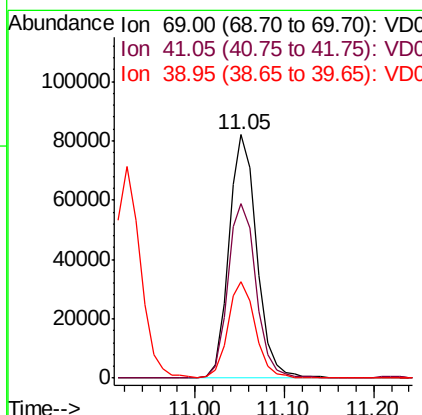
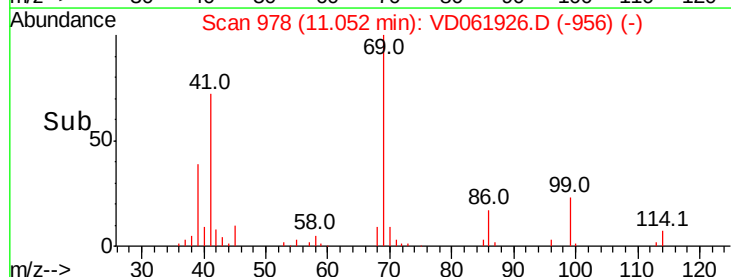
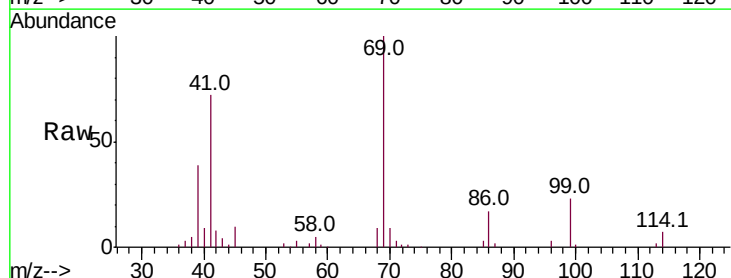
Manual Integrations
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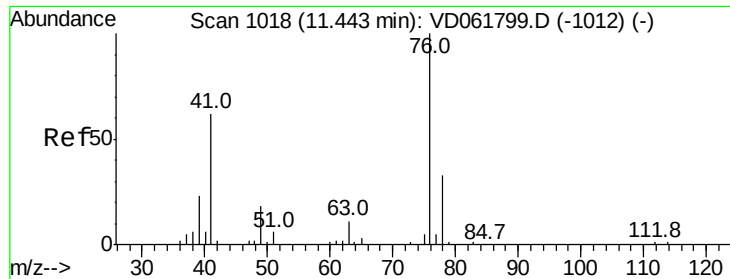
MMDadoda
 4/23/2019 6:56:24 AM



#56
 Ethyl methacrylate
 Concen: 50.627 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	71.8	56.3	84.5	
39	39.5	29.4	44.2	





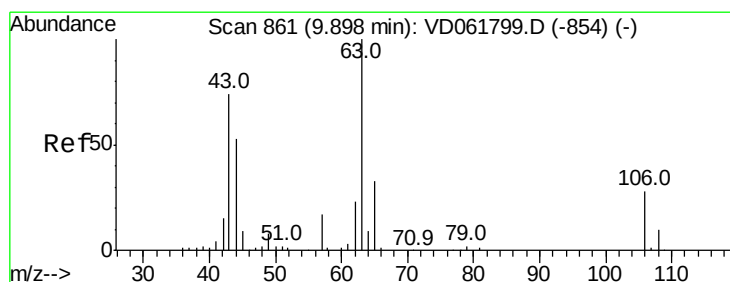
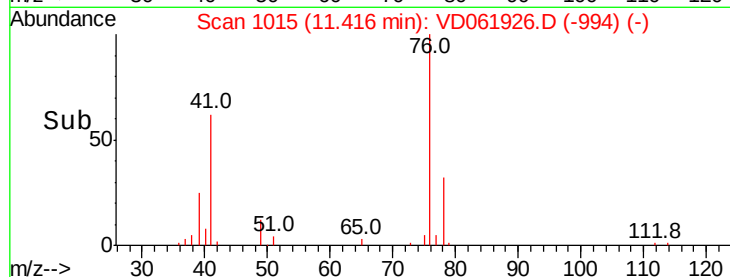
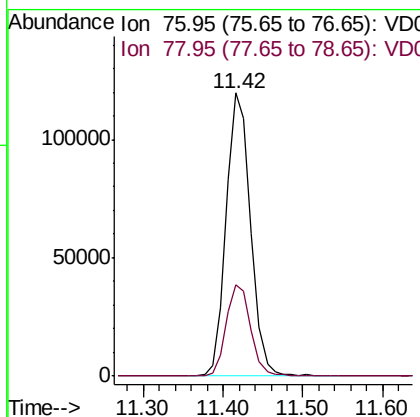
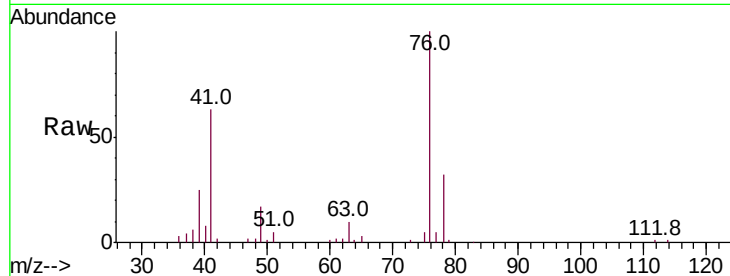
#57
 1,3-Dichloropropane
 Concen: 53.221 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 258371
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2

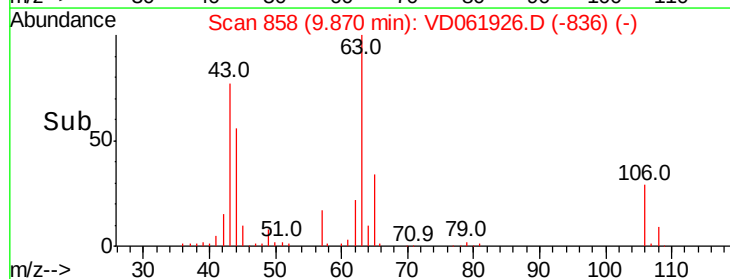
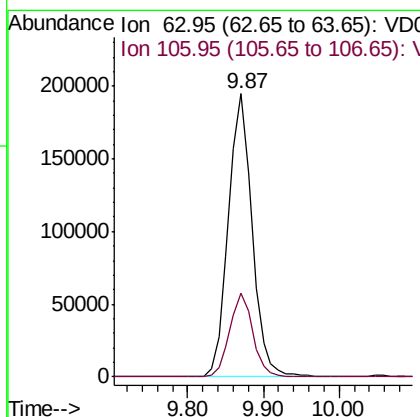
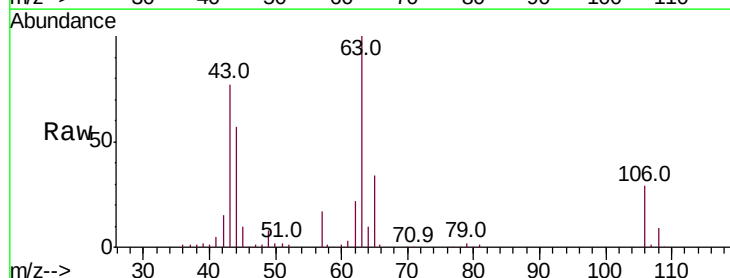
Manual Integrations
 APPROVED

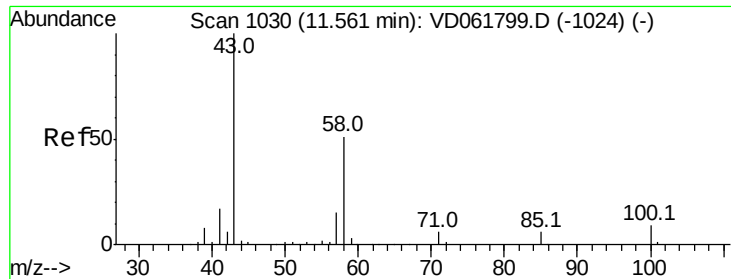
MMDadoda
 4/23/2019 6:56:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.554 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Tgt Ion: 63 Resp: 422374
 Ion Ratio Lower Upper
 63 100
 106 29.5 22.6 34.0





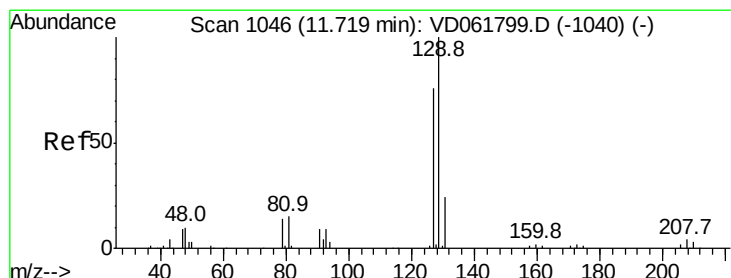
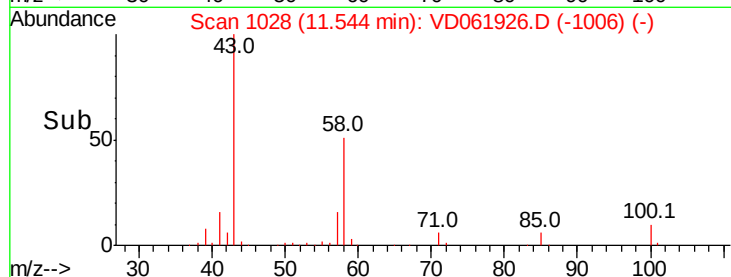
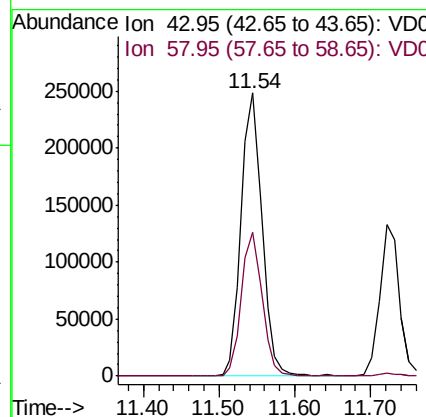
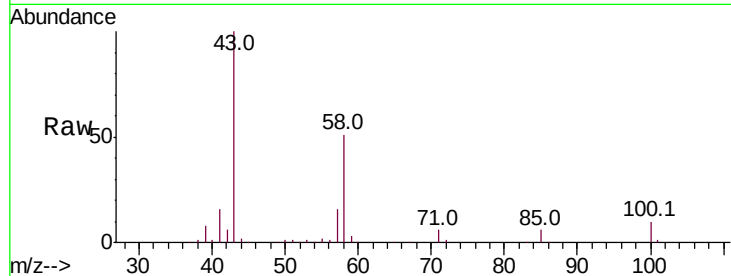
#59
2-Hexanone
Concen: 278.195 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 474045
Ion Ratio Lower Upper
43 100
58 51.0 25.4 76.4

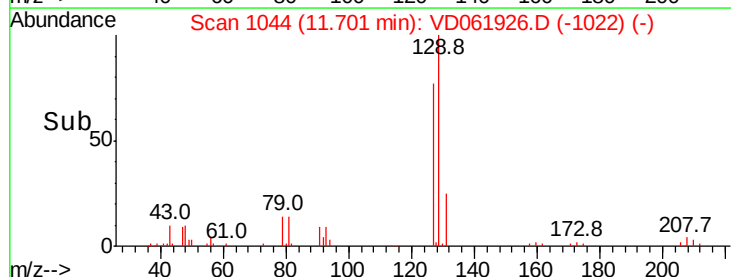
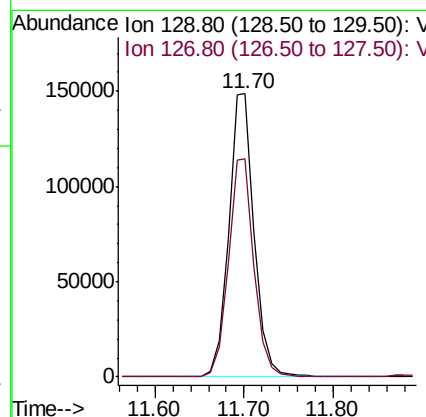
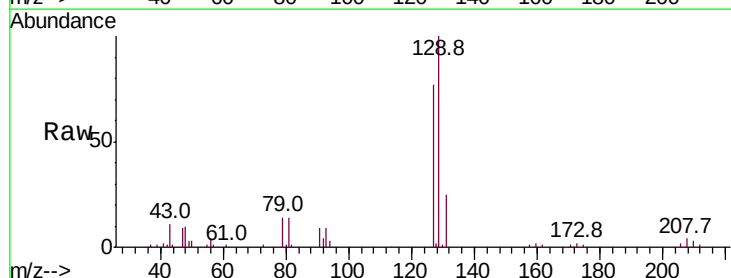
Manual Integrations
APPROVED

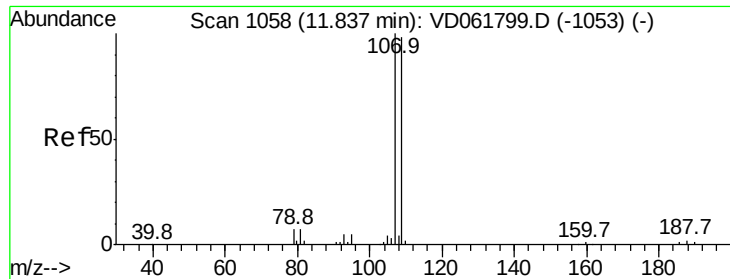
MMDadoda
4/23/2019 6:56:24 AM



#60
Dibromochloromethane
Concen: 56.213 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Tgt Ion: 129 Resp: 297016
Ion Ratio Lower Upper
129 100
127 77.3 38.0 113.9





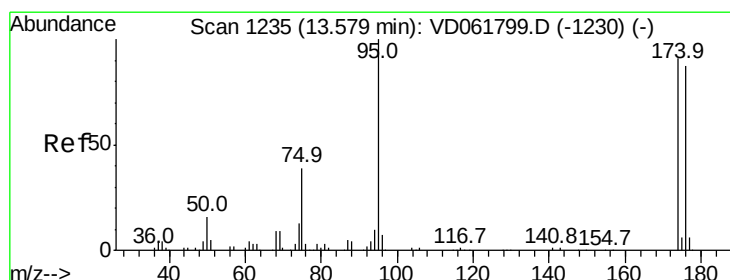
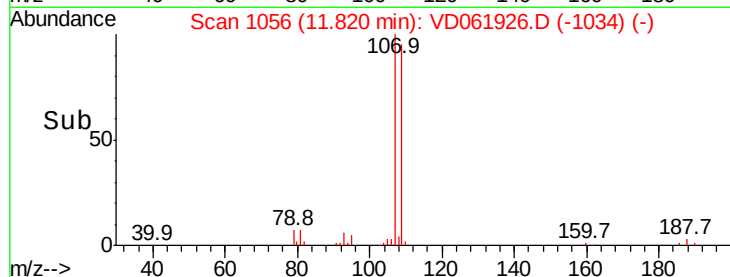
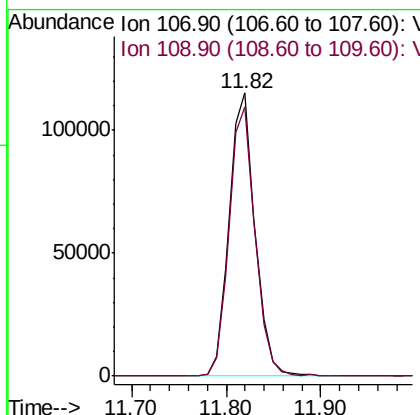
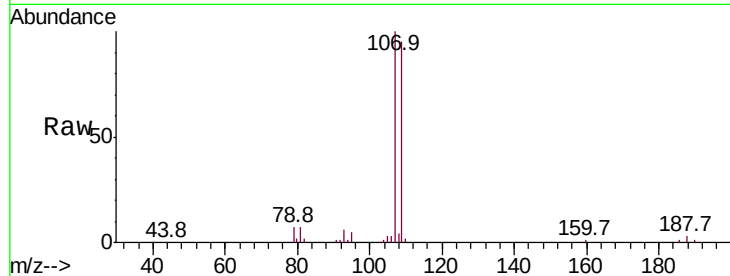
#61
 1,2-Dibromoethane
 Concen: 54.672 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	78.3	117.5

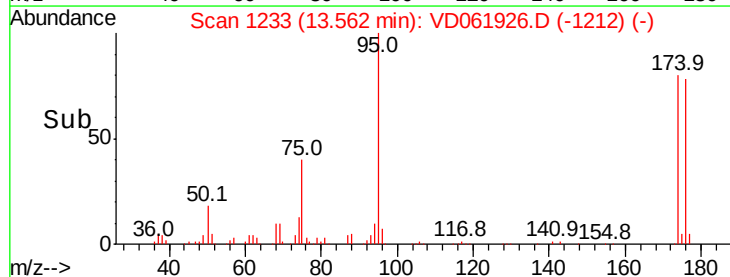
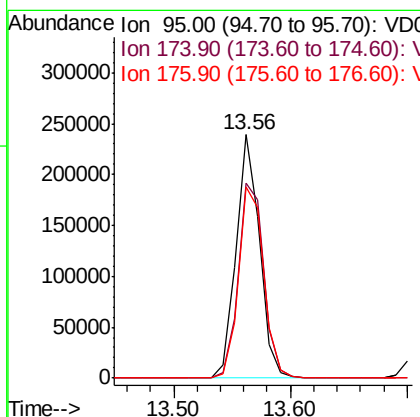
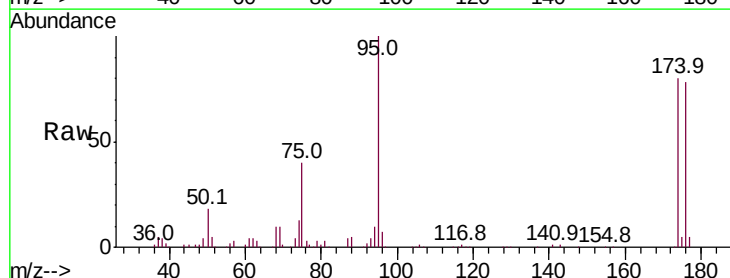
Manual Integrations
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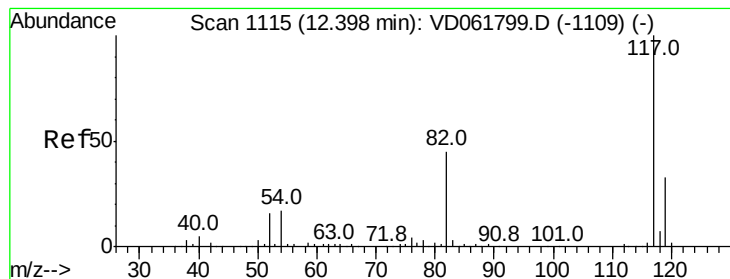
MMDadoda
 4/23/2019 6:56:24 AM



#62
 4-Bromofluorobenzene
 Concen: 59.961 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.3	0.0	181.8
176	78.4	0.0	174.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 642104

Ion Ratio Lower Upper

117 100

82 48.0 36.2 54.2

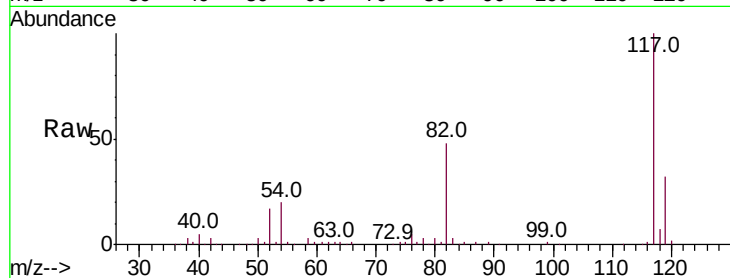
119 32.2 26.2 39.4

Manual Integrations

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MMDadoda

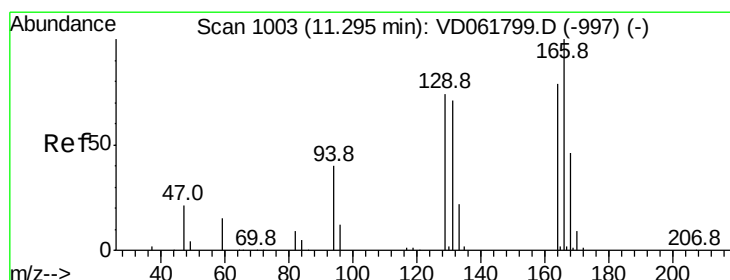
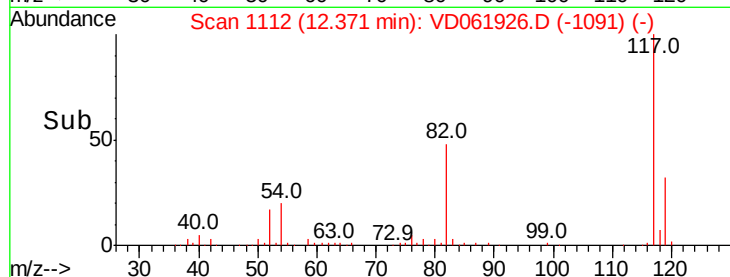
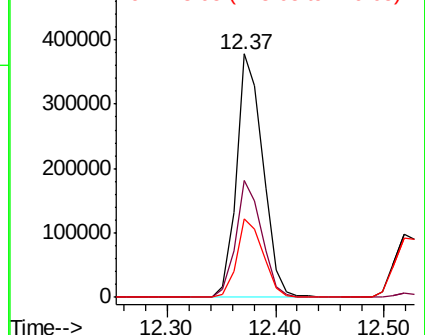
4/23/2019 6:56:24 AM



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 52.389 ug/l

RT: 11.27 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Tgt Ion:164 Resp: 252282

Ion Ratio Lower Upper

164 100

166 128.9 101.5 152.3

129 95.4 74.6 112.0

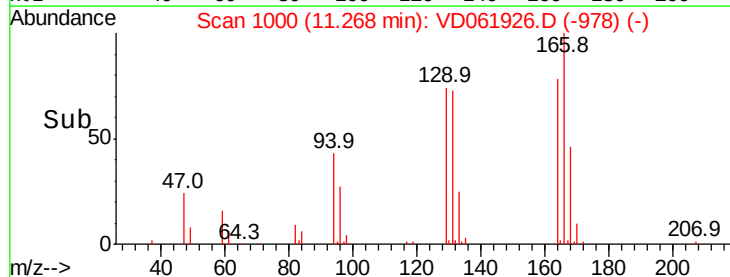
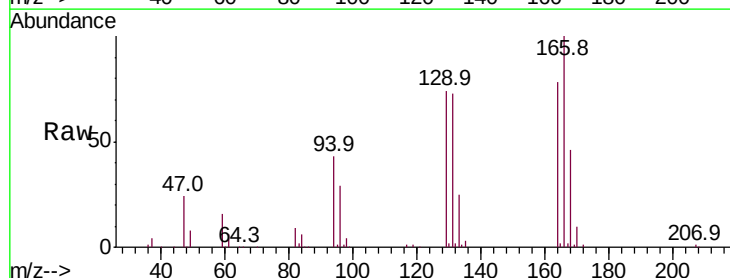
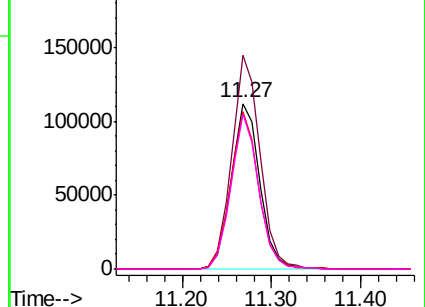
131 93.7 72.6 108.8

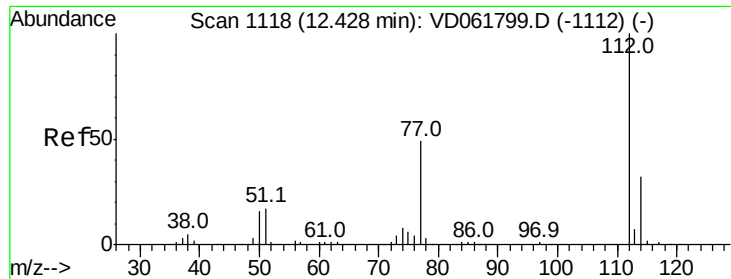
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





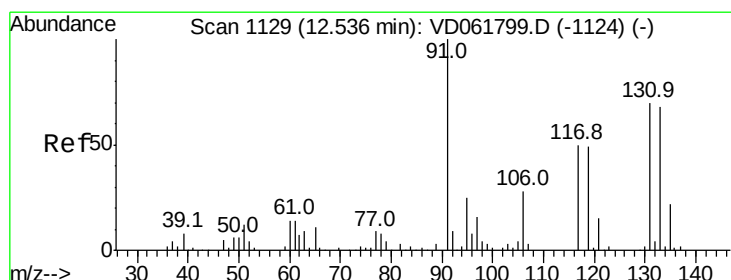
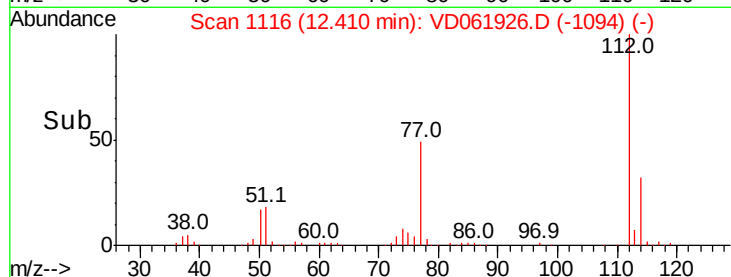
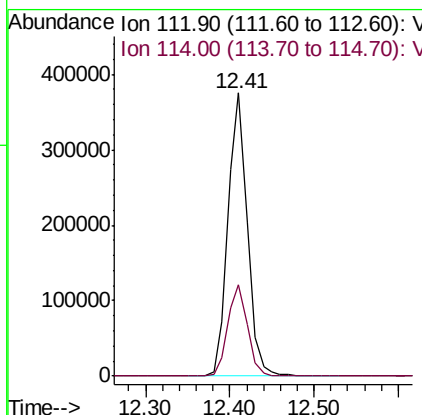
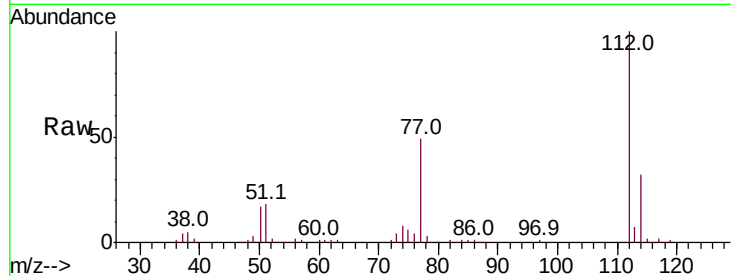
#65
Chlorobenzene
Concen: 49.744 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 594843
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

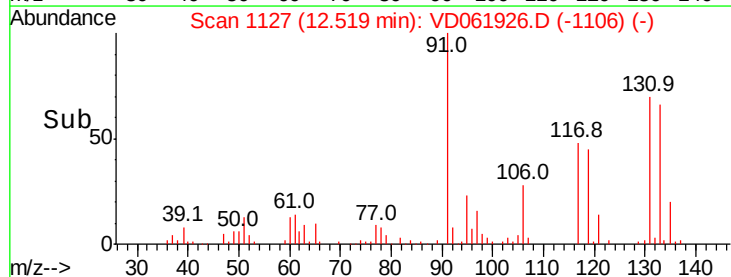
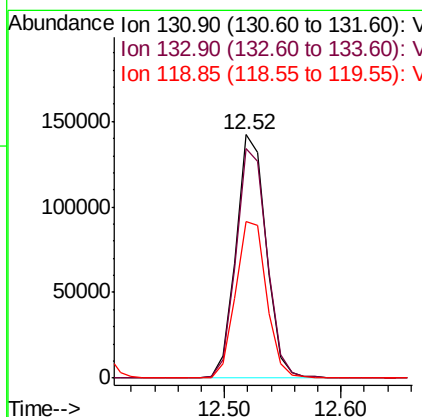
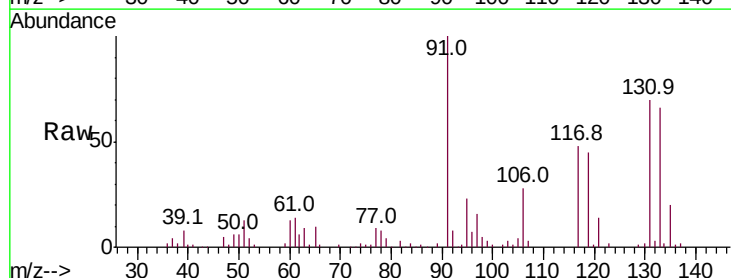
Manual Integrations
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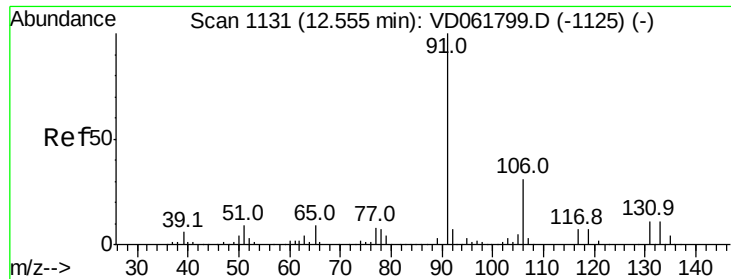
MMDadoda
4/23/2019 6:56:24 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.929 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Tgt Ion:131 Resp: 255217
Ion Ratio Lower Upper
131 100
133 94.2 48.6 145.8
119 64.5 34.7 104.1





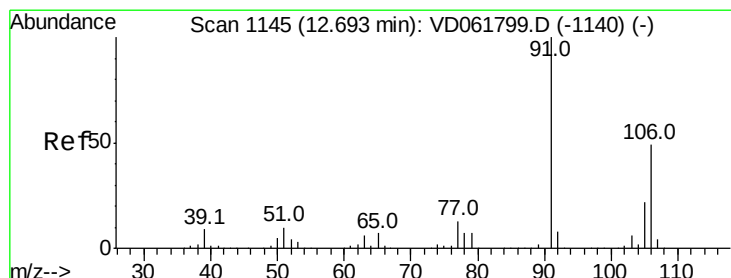
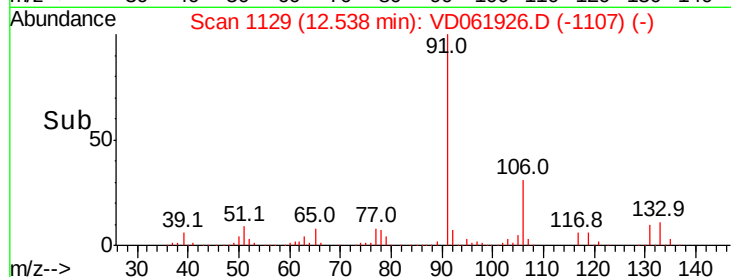
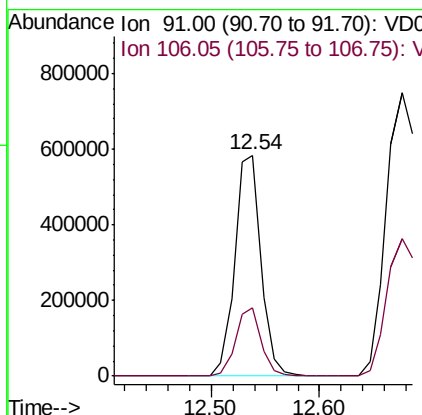
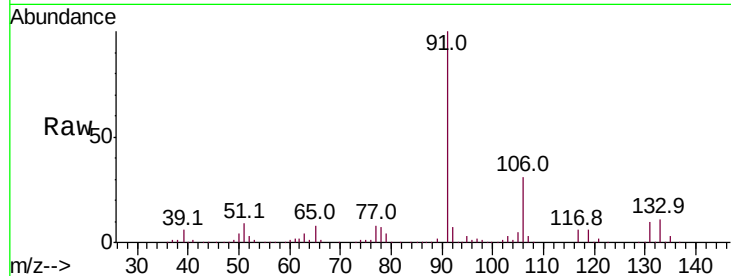
#67
Ethyl Benzene
Concen: 51.176 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 980033
Ion Ratio Lower Upper
91 100
106 30.7 24.7 37.1

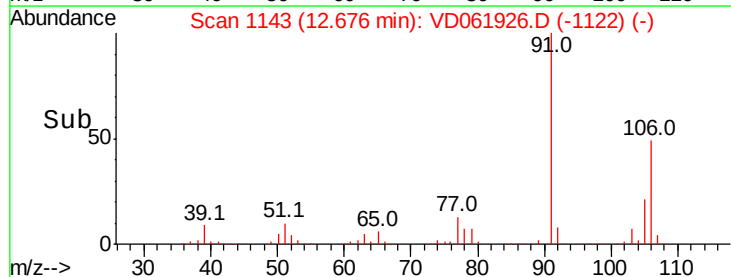
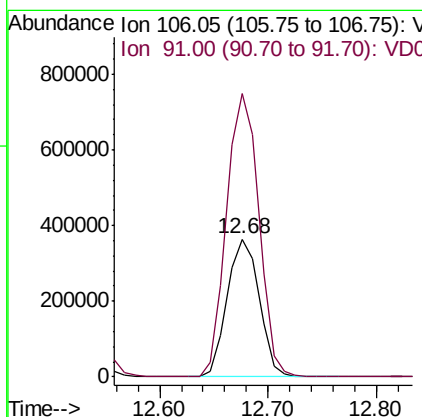
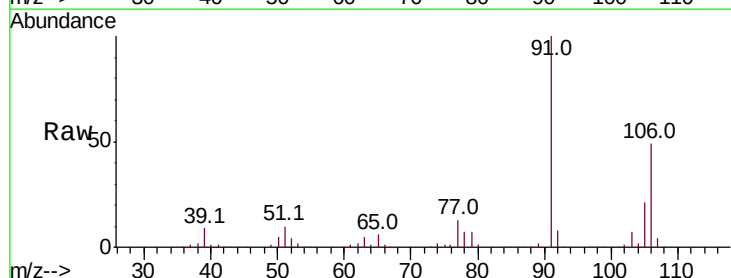
Manual Integrations
APPROVED

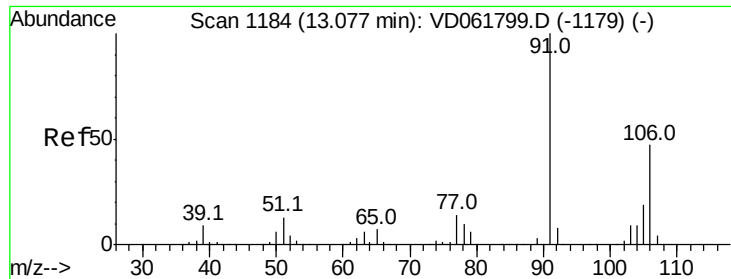
MMDadoda
4/23/2019 6:56:24 AM



#68
m/p-Xylenes
Concen: 104.859 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Tgt Ion:106 Resp: 754295
Ion Ratio Lower Upper
106 100
91 205.7 164.0 246.0





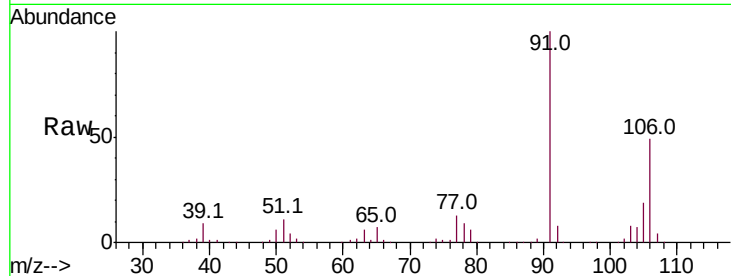
#69
o-Xylene
Concen: 50.255 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

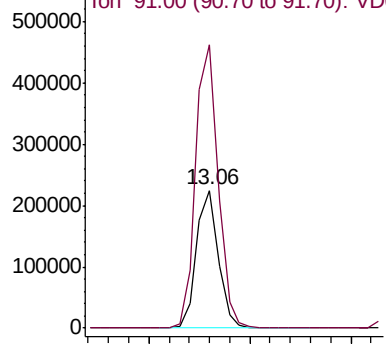
Tot Ion:106 Resp: 339788
Ion Ratio Lower Upper
106 100
91 205.6 106.7 319.9

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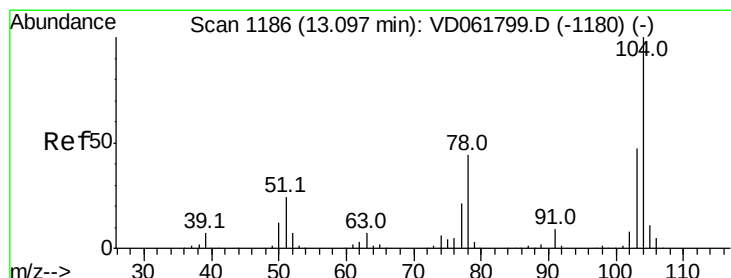
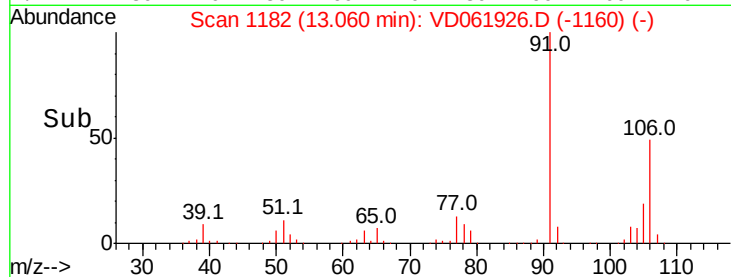
MMDadoda
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Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

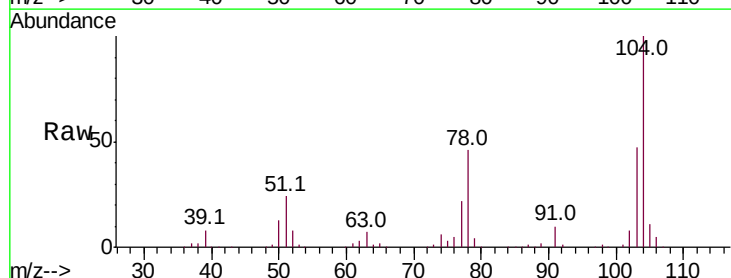


Time-->

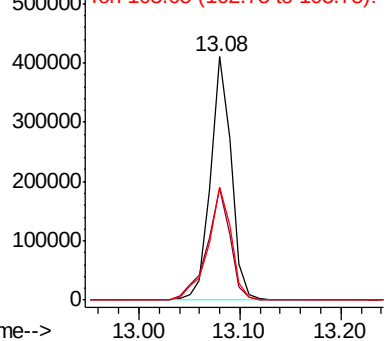


#70
Styrene
Concen: 50.079 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

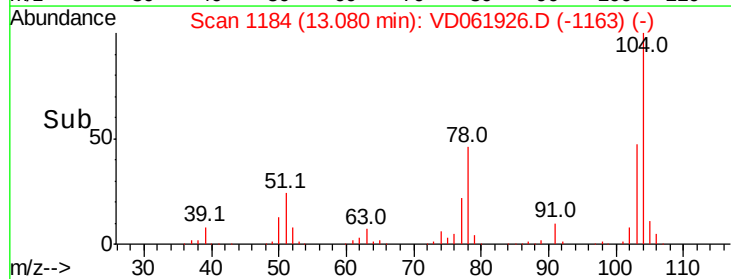
Tgt Ion:104 Resp: 582679
Ion Ratio Lower Upper
104 100
78 45.8 35.4 53.2
103 46.7 37.5 56.3

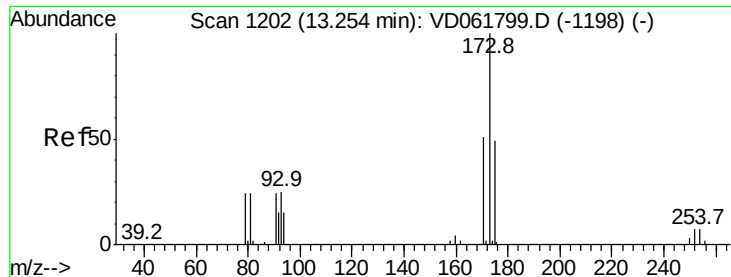


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time-->





#71

Bromoform

Concen: 56.450 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

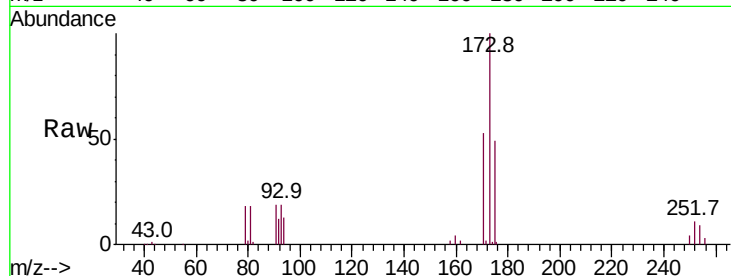
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.4
254	9.0	5.4	8.2

Manual Integrations
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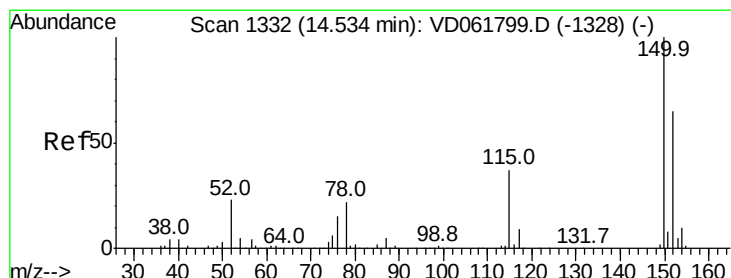
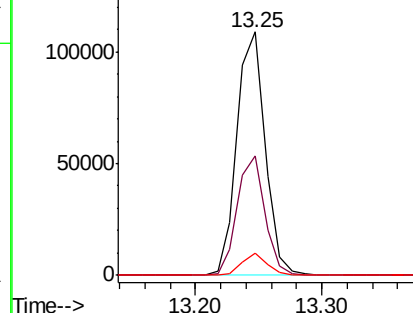
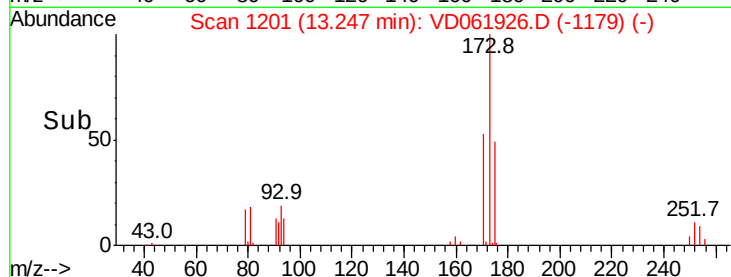


Abundance

Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

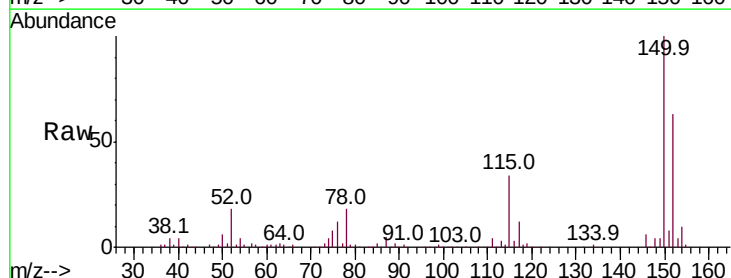
RT: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	30.9	92.7
150	158.8	0.0	314.8

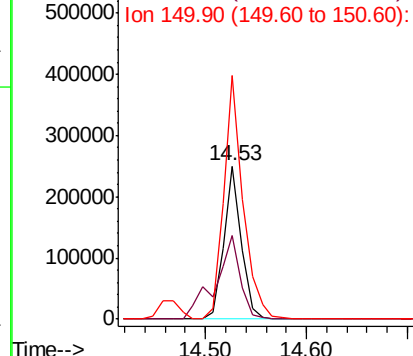
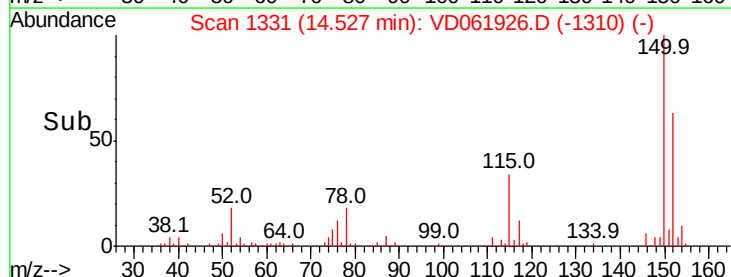


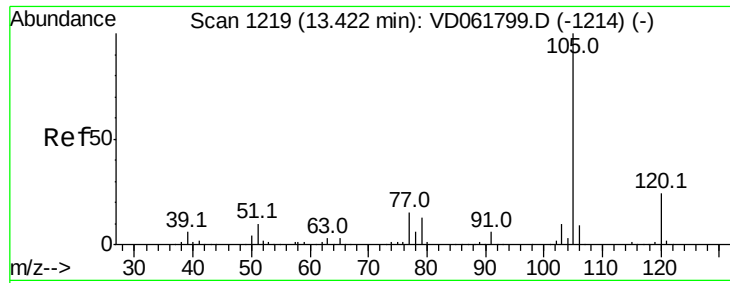
Abundance

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: 47.480 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 930130

Ion Ratio Lower Upper

105 100

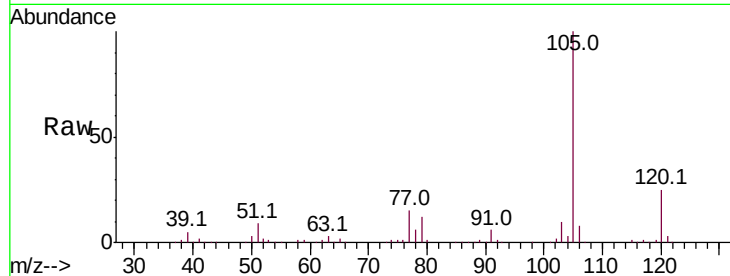
120 24.6 12.0 36.1

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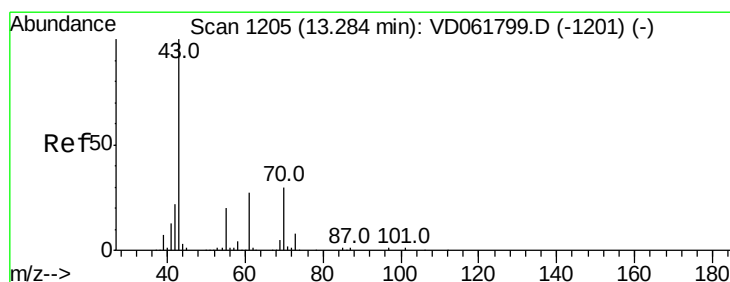
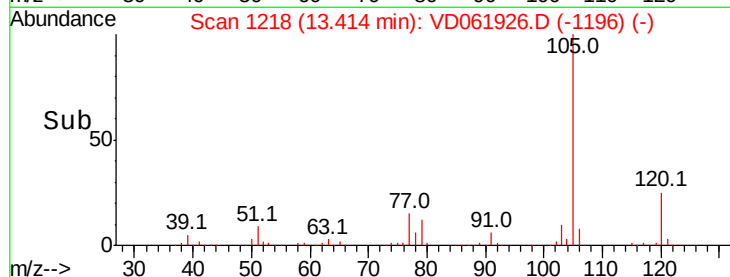
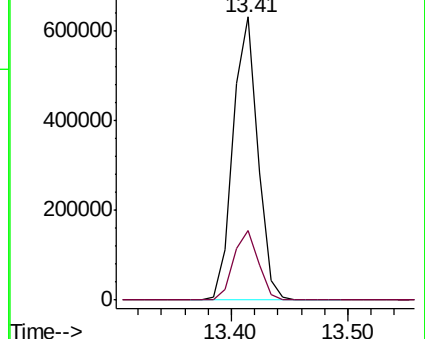
MMDadoda

4/23/2019 6:56:24 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.789 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Tgt Ion: 43 Resp: 257013

Ion Ratio Lower Upper

43 100

70 30.5 24.2 36.4

55 18.3 16.0 24.0

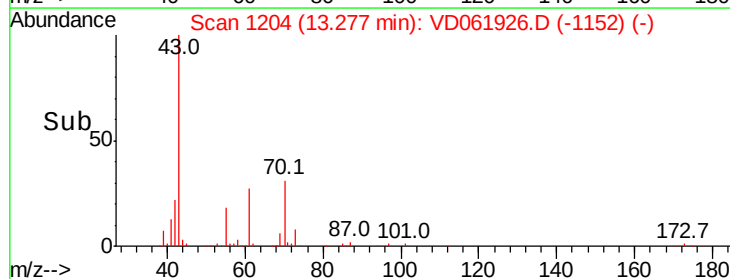
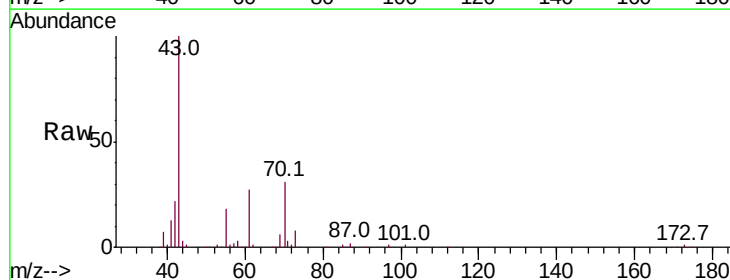
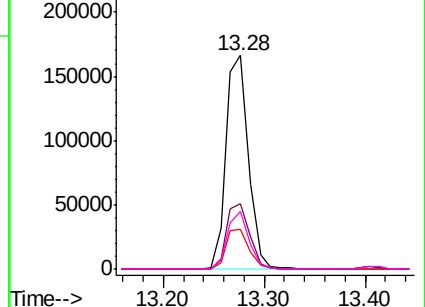
61 27.2 21.6 32.4

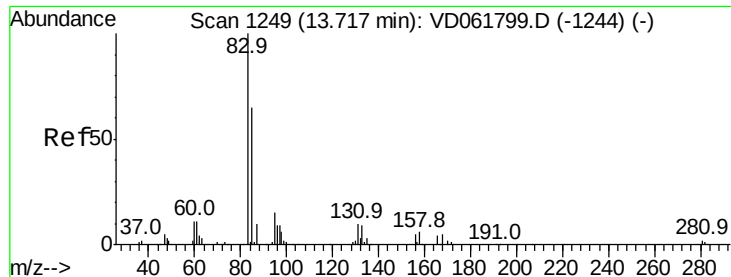
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.110 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

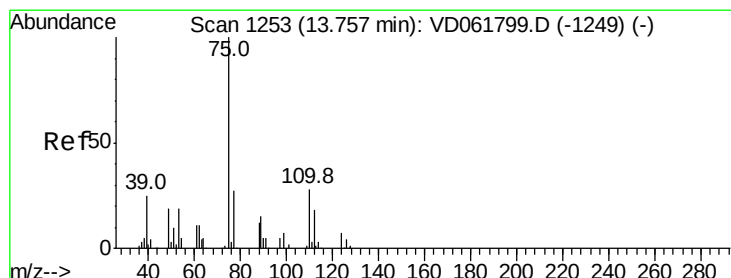
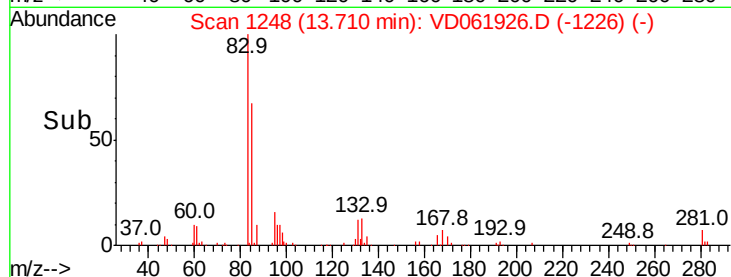
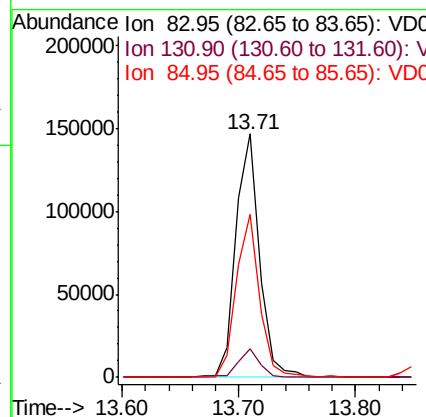
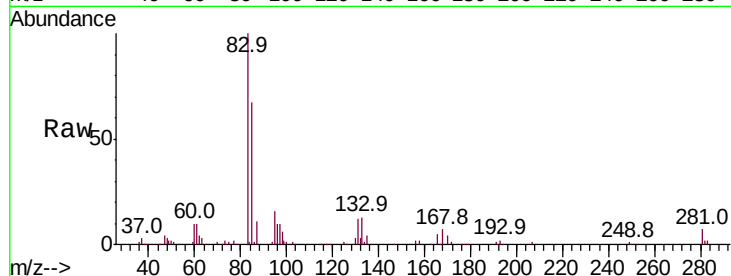
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	205655
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.0	14.9
85	66.7	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.053 ug/l

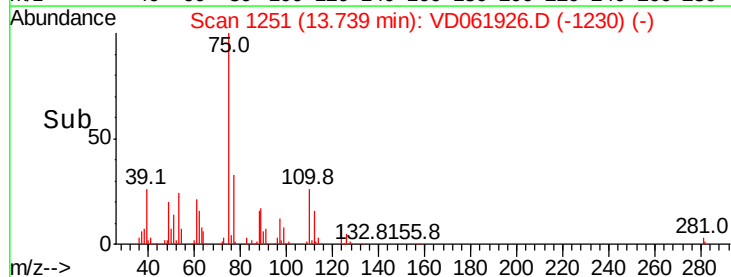
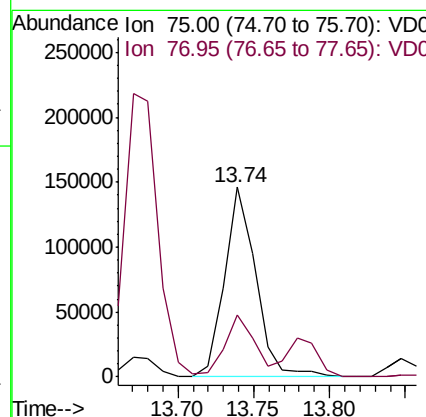
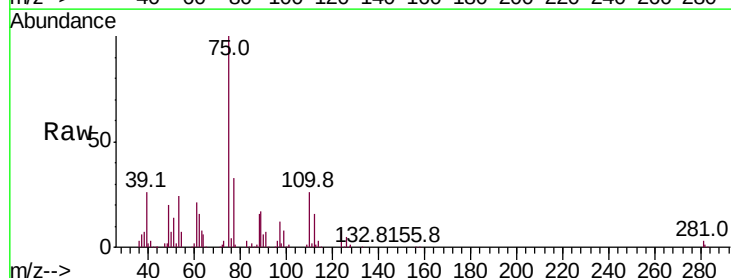
RT: 13.74 min Scan# 1251

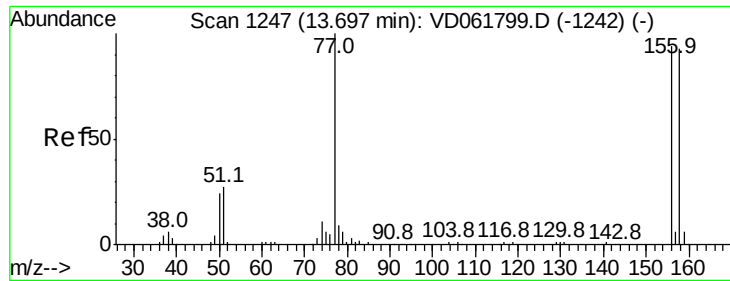
Delta R.T. 0.00 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Tgt Ion:	75	Resp:	210455
Ion Ratio	Lower	Upper	
75	100		
77	32.8	16.4	49.4





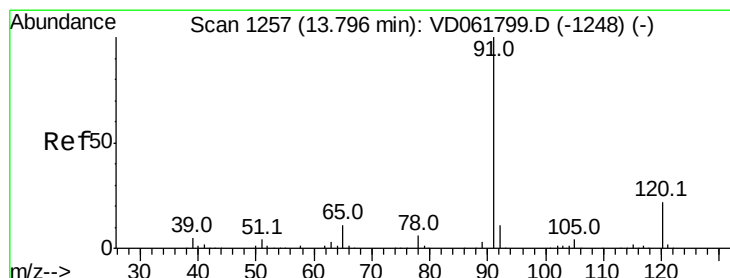
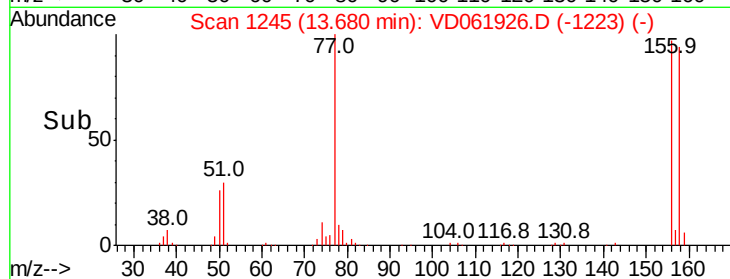
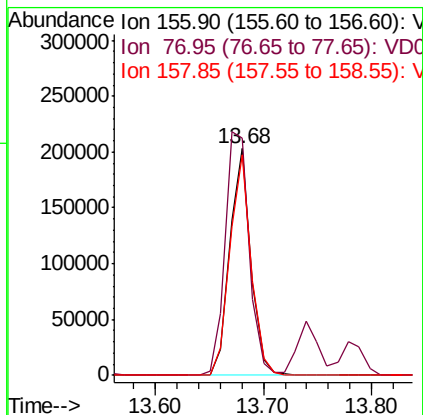
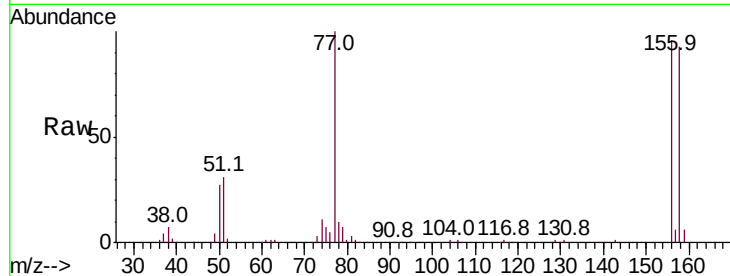
#77
Bromobenzene
Concen: 49.571 ug/l
RT: 13.68 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	104.4	53.1	159.4
158	97.2	49.4	148.0

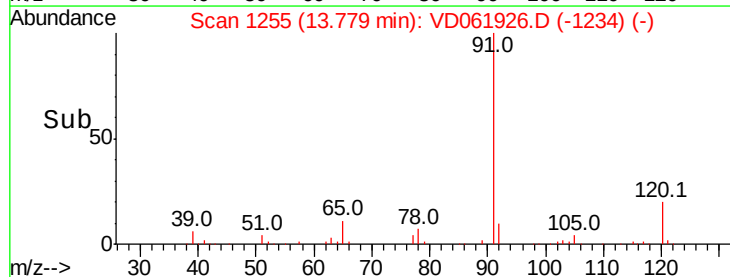
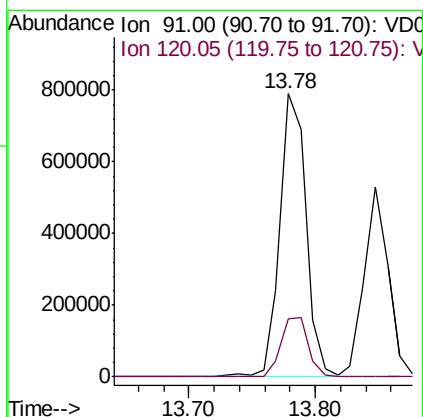
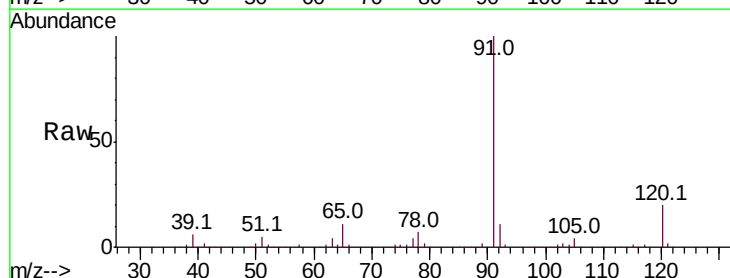
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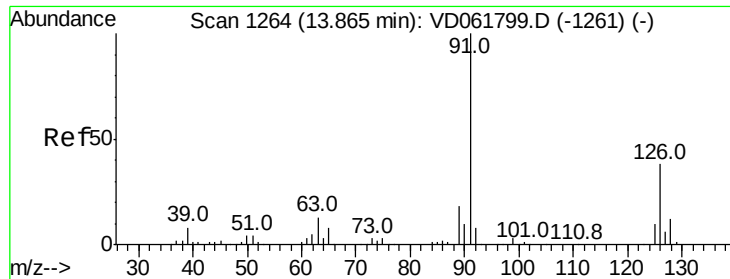
MMDadoda
4/23/2019 6:56:24 AM



#78
n-propylbenzene
Concen: 50.780 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.5	11.1	33.1





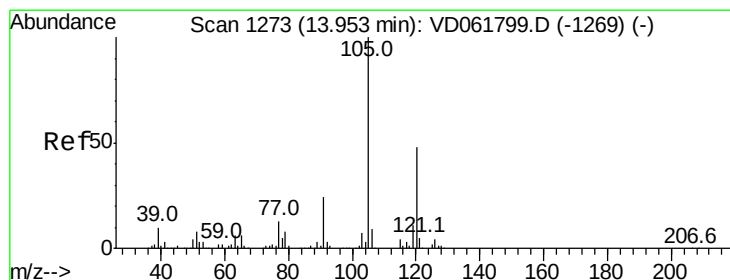
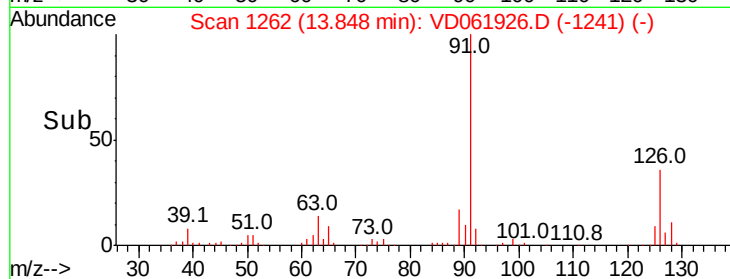
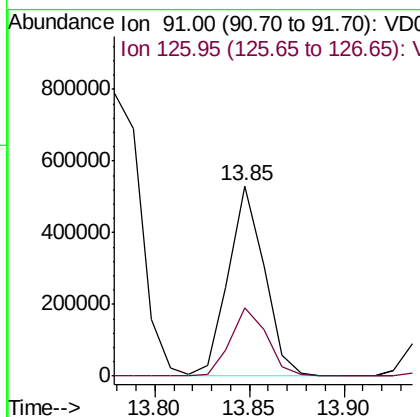
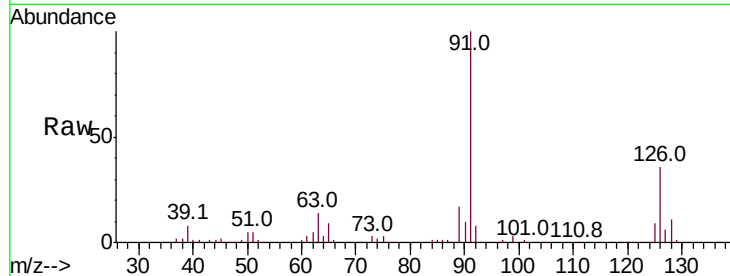
#79
 2-Chlorotoluene
 Concen: 52.585 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 695259
 Ion Ratio Lower Upper
 91 100
 126 36.0 18.6 55.8

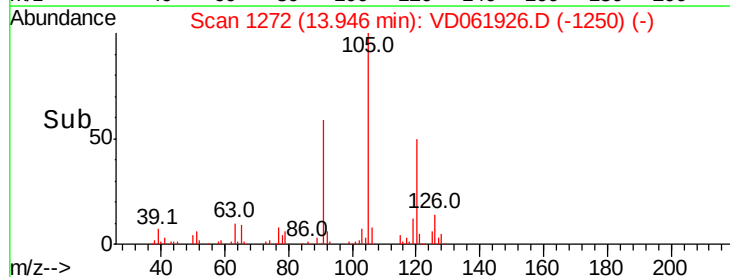
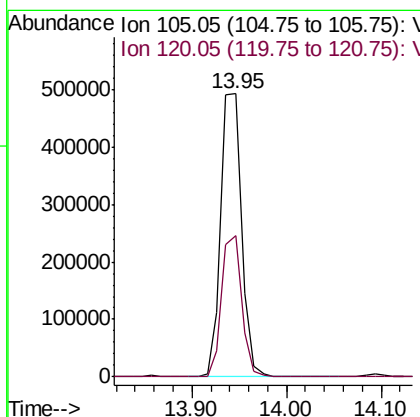
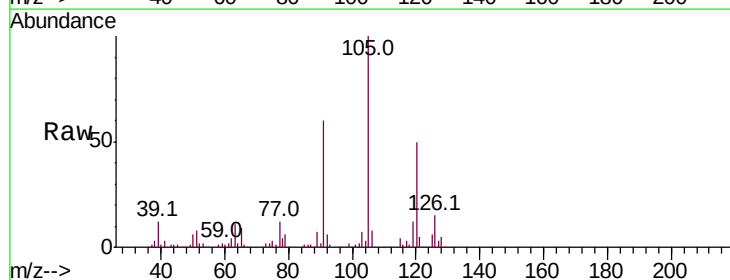
Manual Integrations
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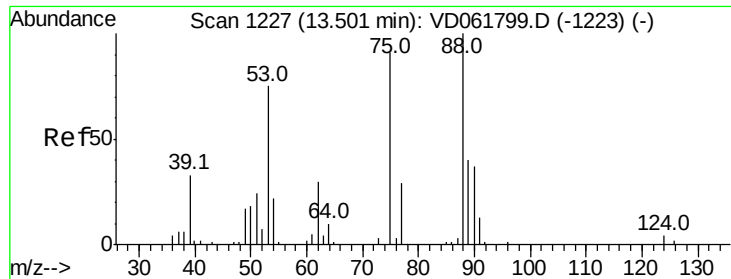
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.230 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Tgt Ion: 105 Resp: 749684
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.0 72.0





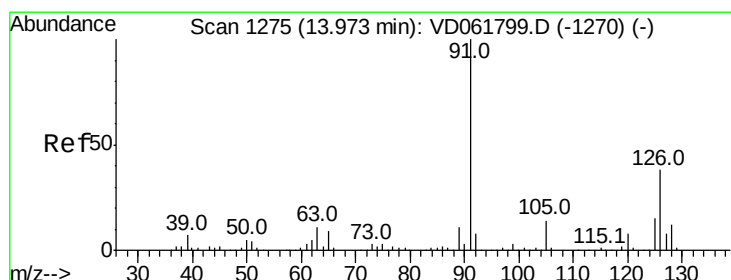
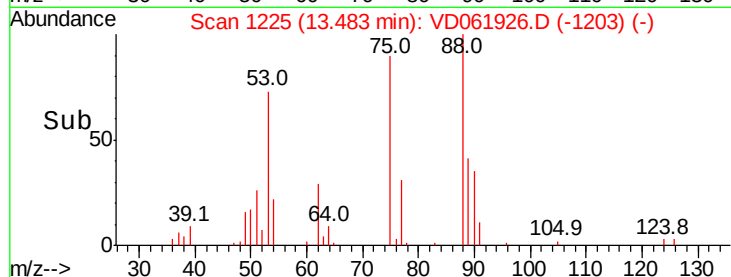
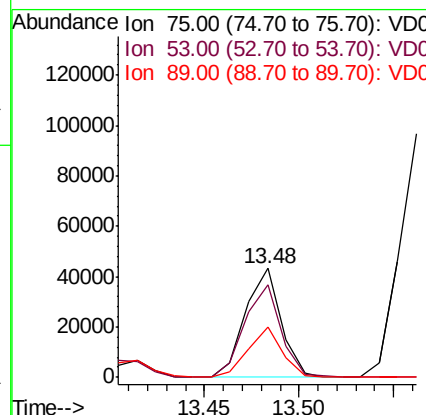
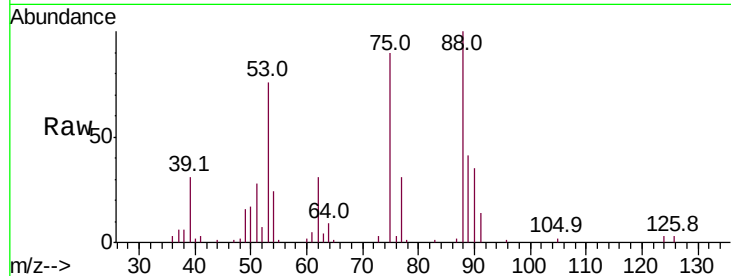
#81
trans-1,4-Dichloro-2-butene
Concen: 44.626 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 56887
Ion Ratio Lower Upper
75 100
53 85.4 65.8 98.8
89 46.2 35.0 52.6

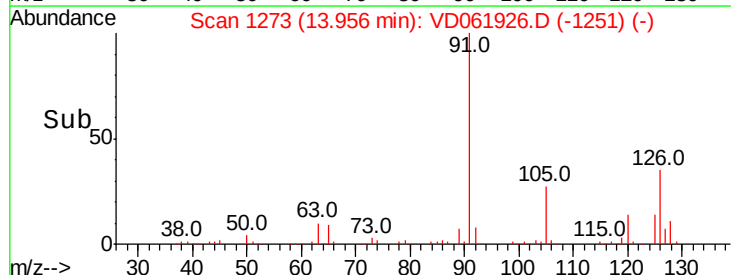
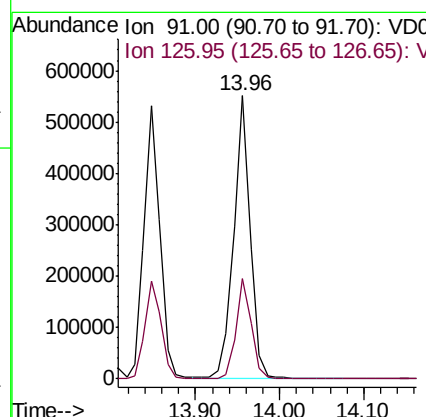
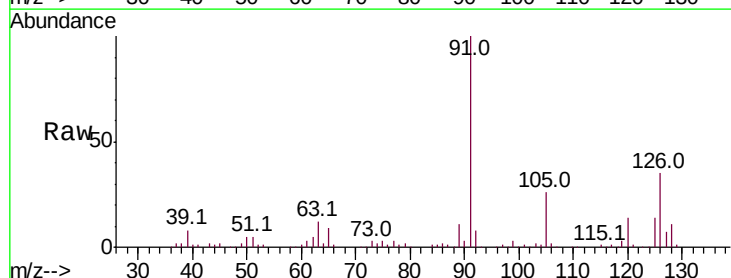
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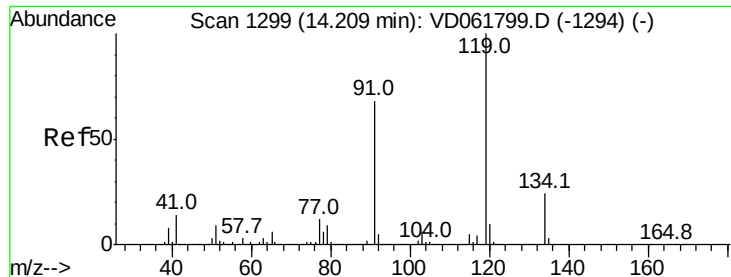
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#82
4-Chlorotoluene
Concen: 49.452 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 00:37

Tgt Ion: 91 Resp: 748403
Ion Ratio Lower Upper
91 100
126 35.3 19.1 57.5





#83

tert-Butylbenzene

Concen: 50.972 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

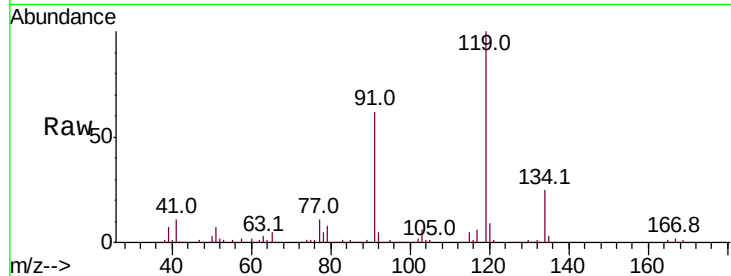
ClientSampleId :

VSTDCCC050

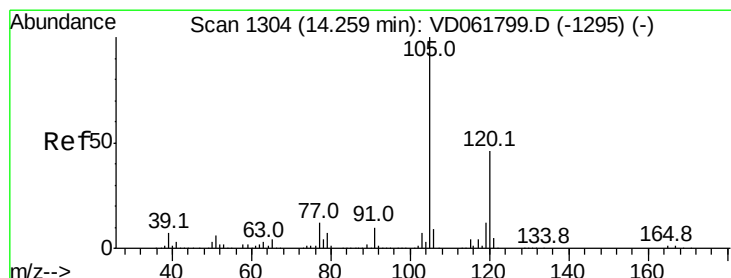
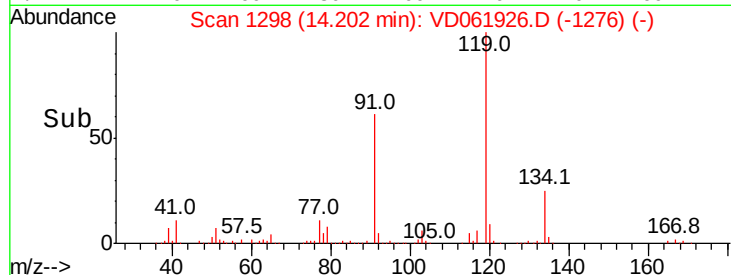
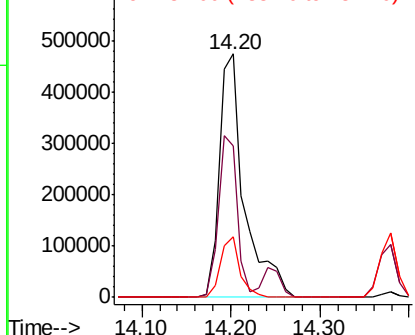
Tot Ion:	119	Resp:	930306
Ion Ratio	Lower	Upper	
119	100		
91	62.2	34.2	102.6
134	24.9	12.0	36.0

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



#84

1,2,4-Trimethylbenzene

Concen: 51.608 ug/l

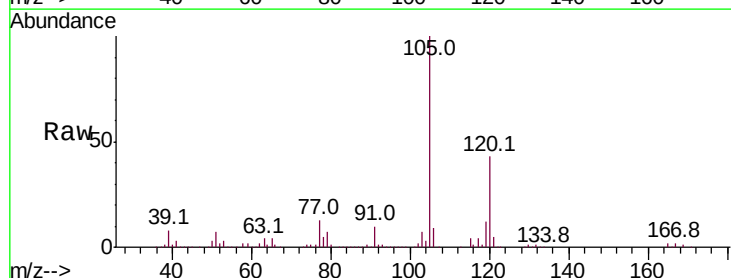
RT: 14.24 min Scan# 1302

Delta R.T. 0.00 min

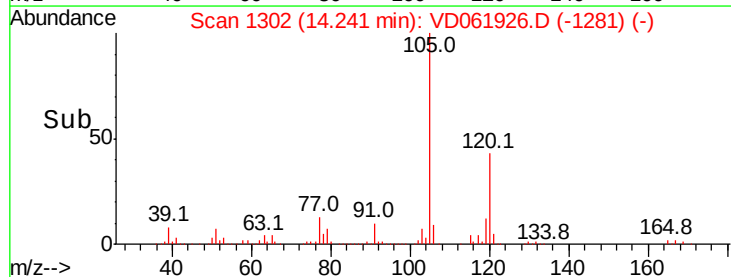
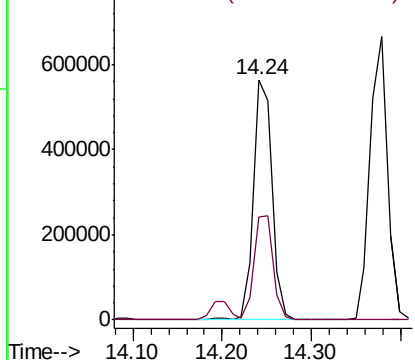
Lab File: VD061926.D

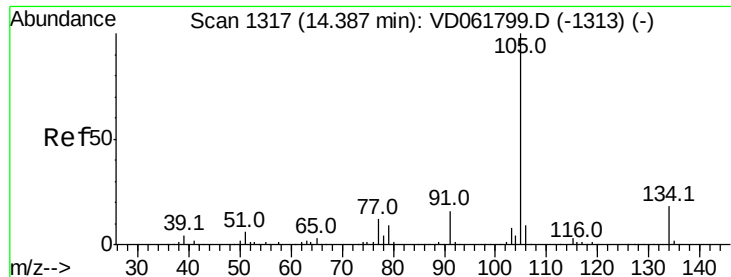
Acq: 20 Apr 2019 00:37

Tgt Ion:	105	Resp:	806363
Ion Ratio	Lower	Upper	
105	100		
120	43.1	23.1	69.2



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





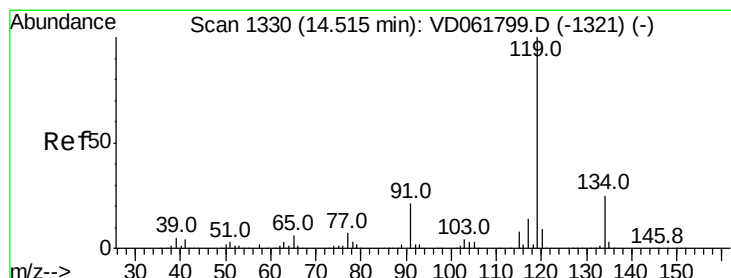
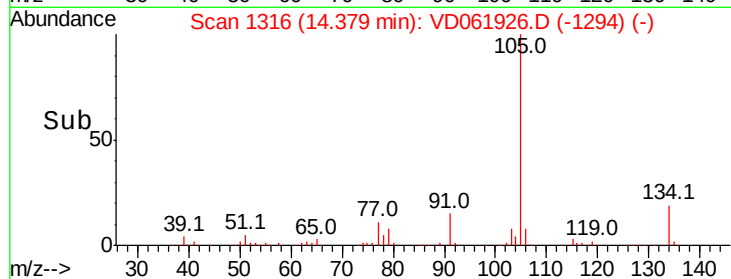
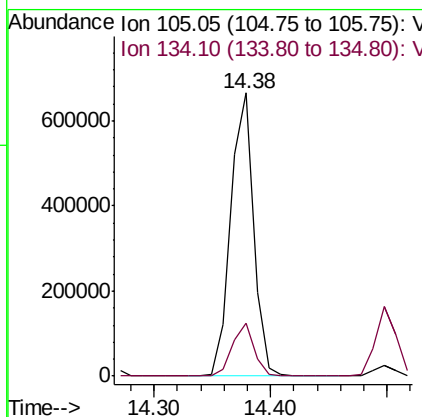
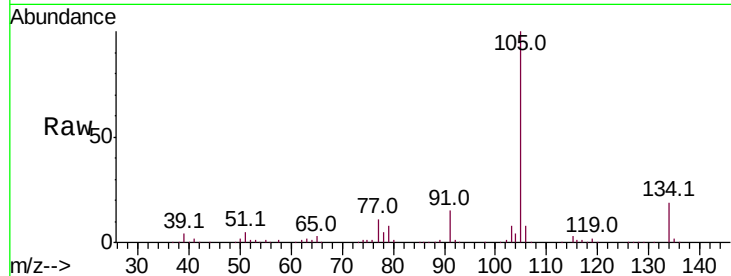
#85
 sec-Butylbenzene
 Concen: 48.049 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 906570
 Ion Ratio Lower Upper
 105 100
 134 18.7 8.9 26.7

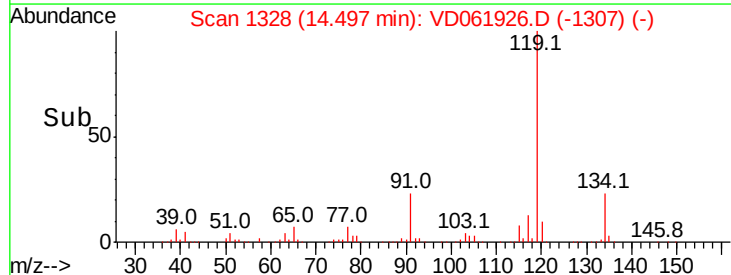
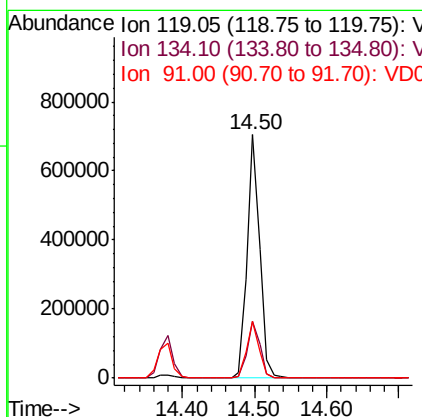
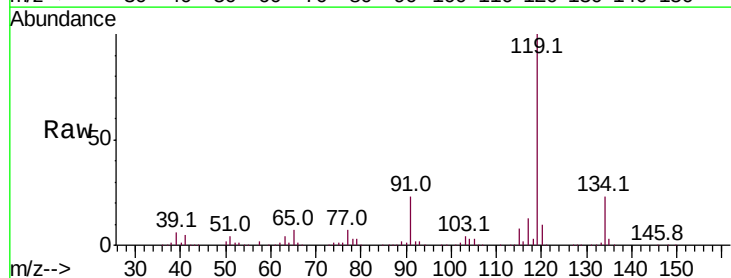
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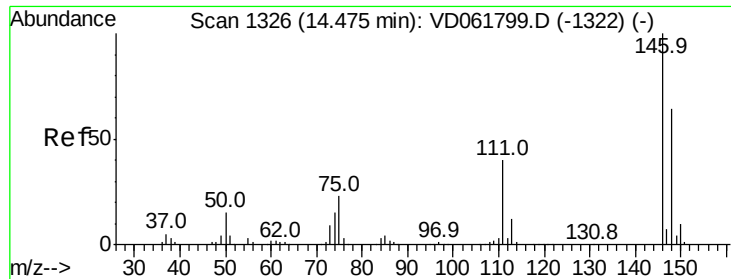
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#86
 p-Isopropyltoluene
 Concen: 48.549 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Tgt Ion:119 Resp: 857066
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.8 38.3
 91 23.3 10.7 32.1





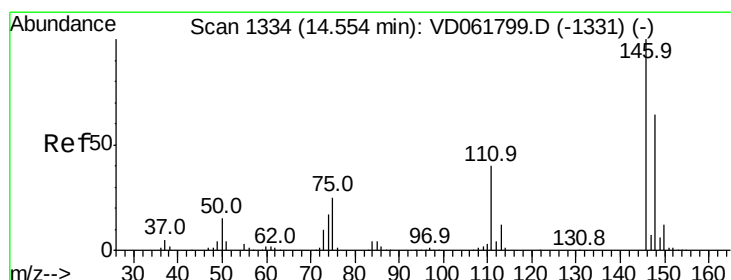
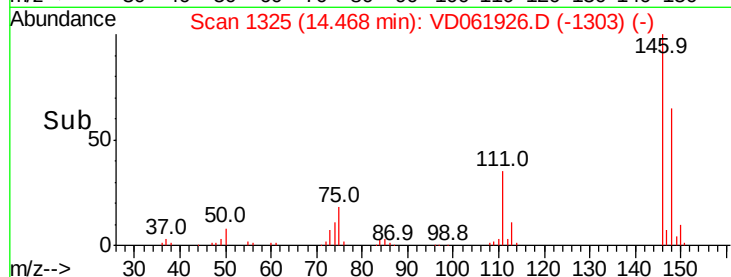
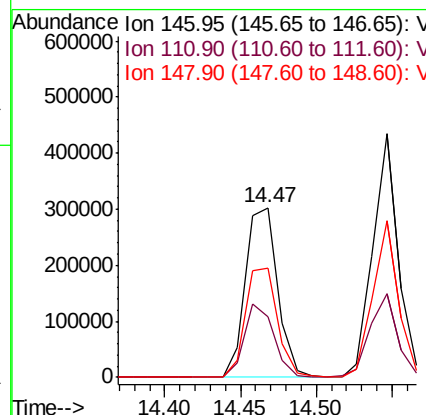
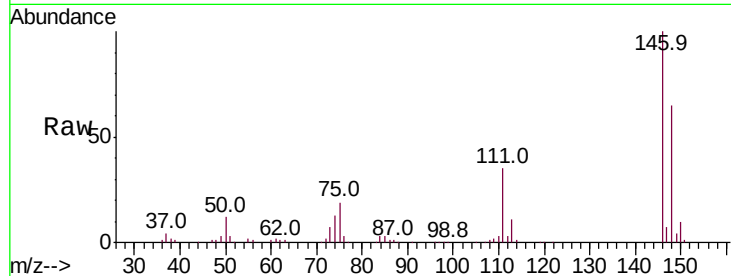
#87
 1,3-Dichlorobenzene
 Concen: 46.253 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	20.0	60.0
148	64.8	31.8	95.4

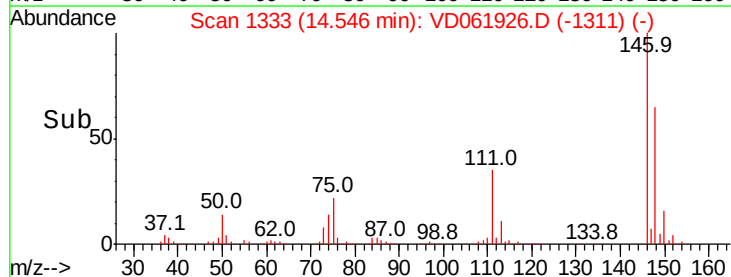
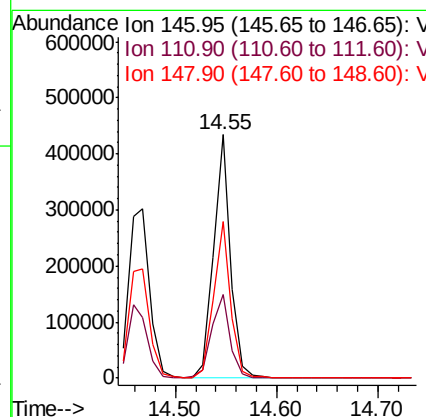
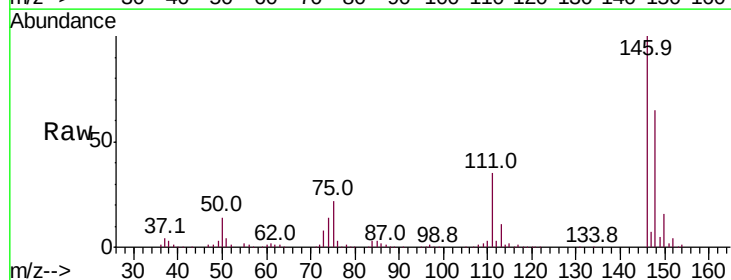
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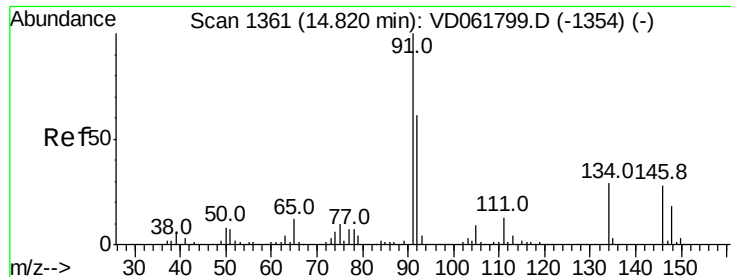
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#88
 1,4-Dichlorobenzene
 Concen: 53.035 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.6	20.2	60.5
148	64.6	32.0	96.2





#89

n-Butylbenzene

Concen: 47.728 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

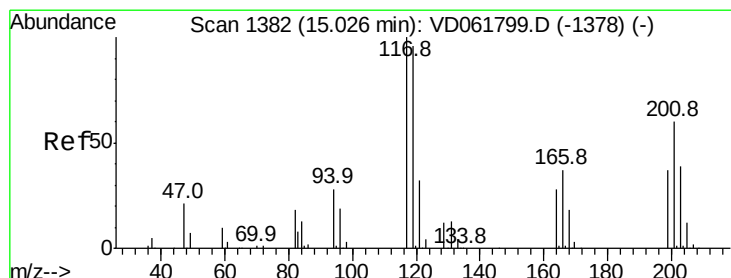
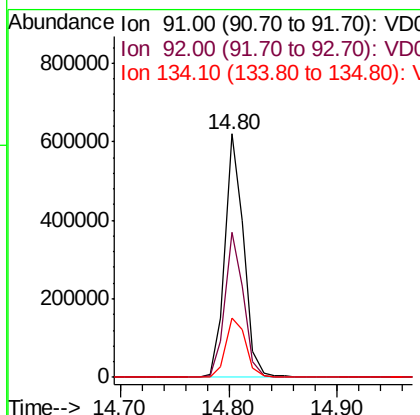
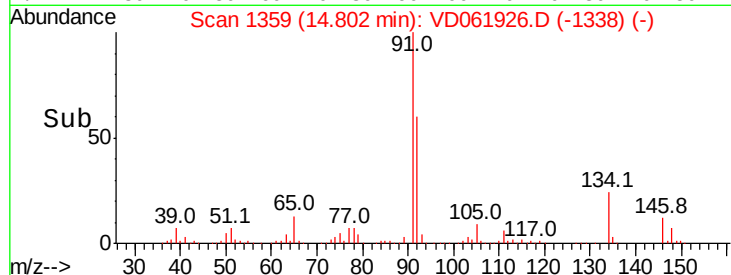
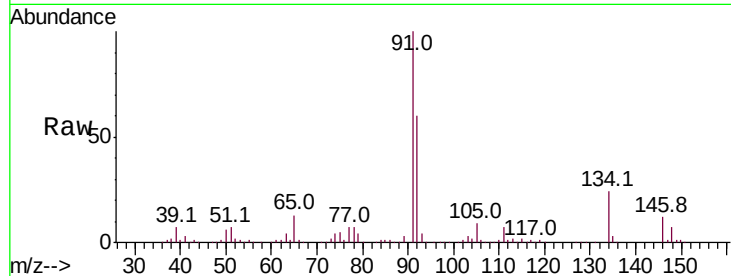
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	745826
Ion Ratio	Lower	Upper	
91	100		
92	59.8	30.3	91.0
134	24.4	14.5	43.6

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#90

Hexachloroethane

Concen: 51.256 ug/l

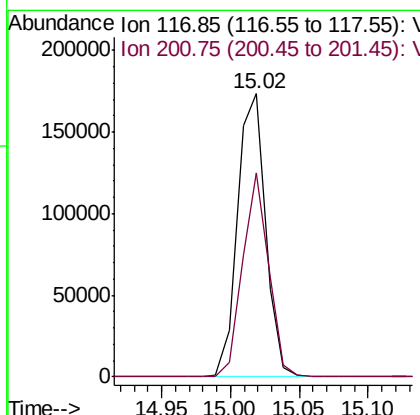
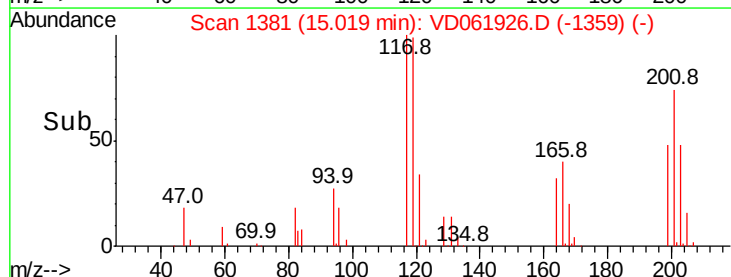
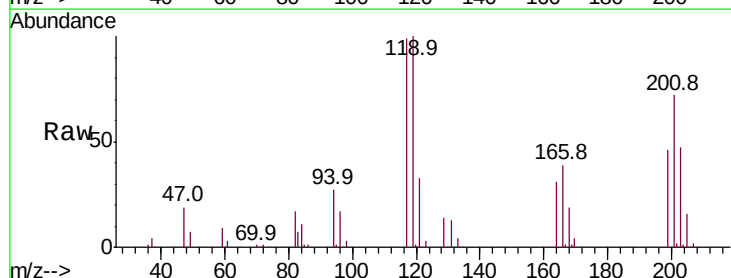
RT: 15.02 min Scan# 1381

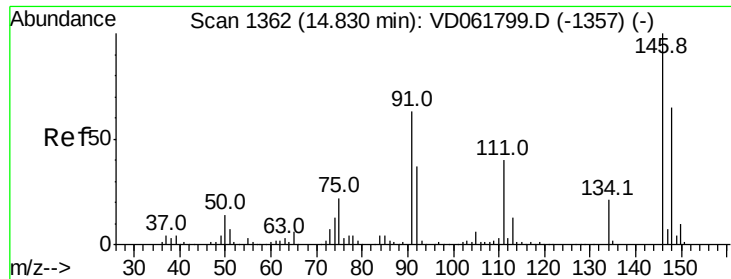
Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Tgt Ion:	117	Resp:	246626
Ion Ratio	Lower	Upper	
117	100		
201	72.1	30.2	90.6





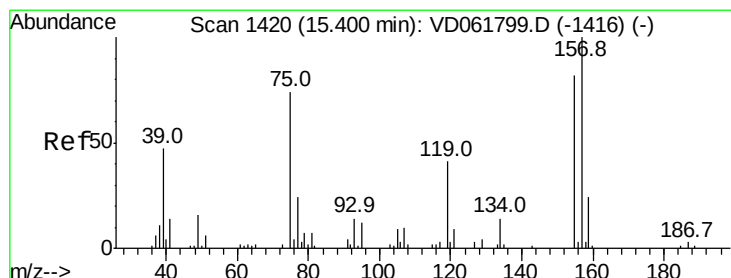
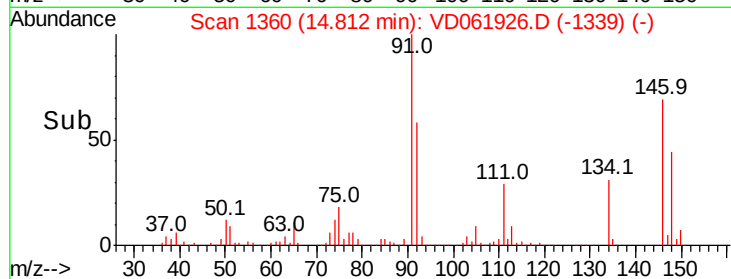
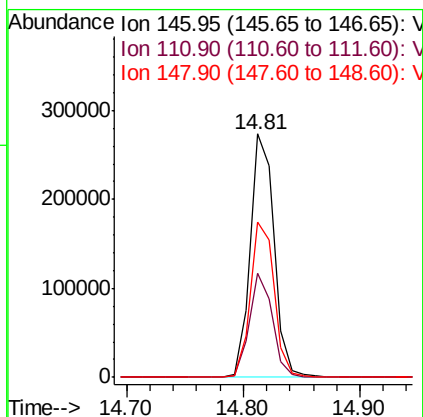
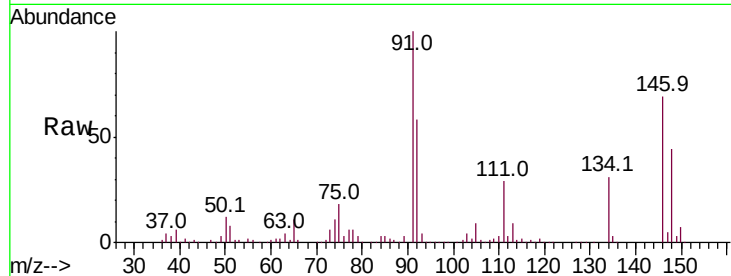
#91
 1,2-Dichlorobenzene
 Concen: 47.728 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.0	59.9
148	64.0	32.3	96.8

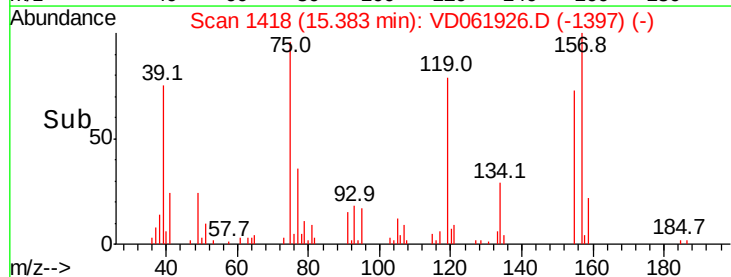
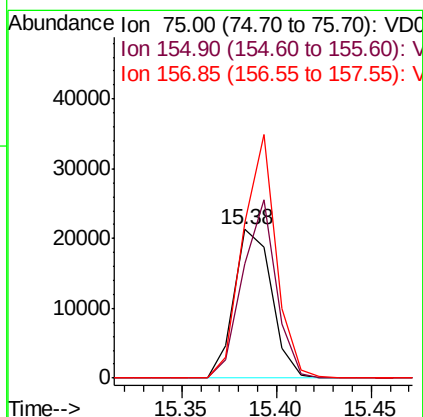
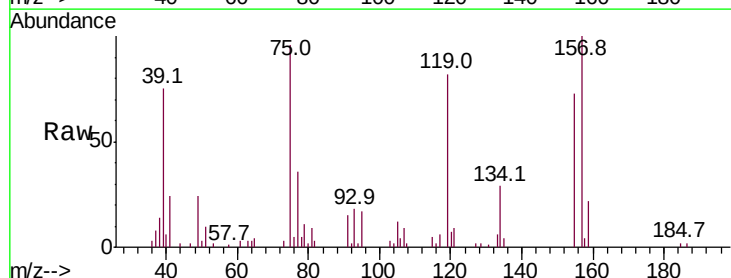
Manual Integrations
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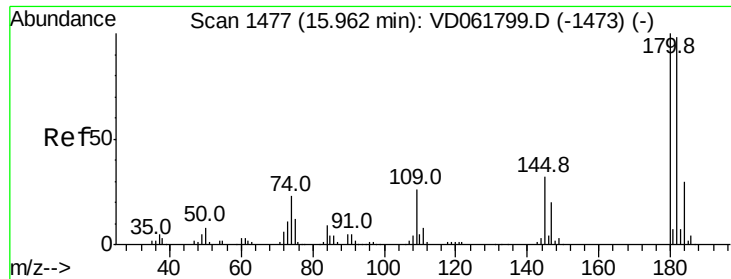
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.840 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	55.3	165.8
157	104.4	67.8	203.2





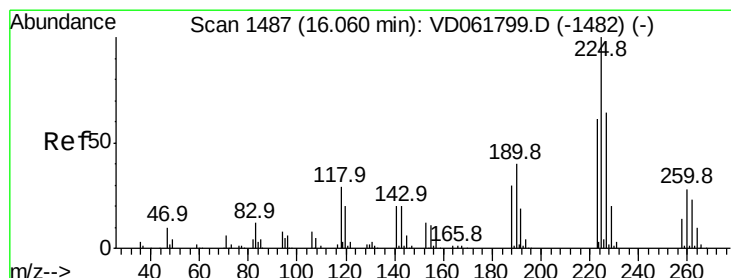
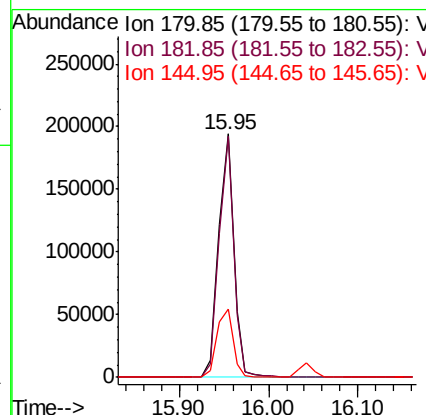
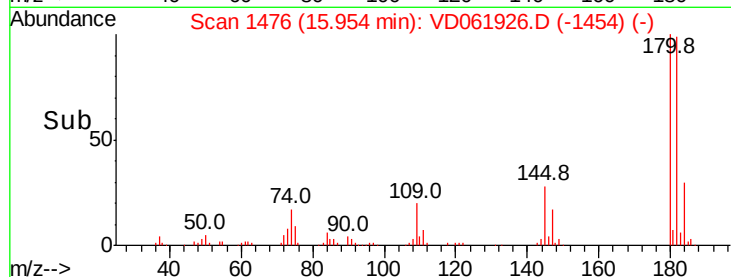
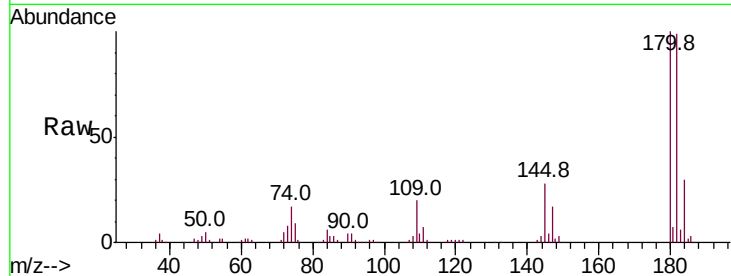
#93
 1,2,4-Trichlorobenzene
 Concen: 52.091 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	232815		
182	98.8	49.3	147.8	
145	28.0	16.2	48.6	

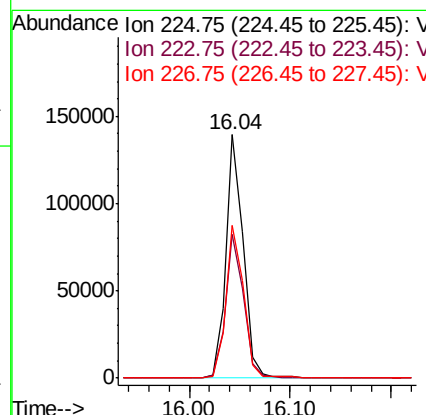
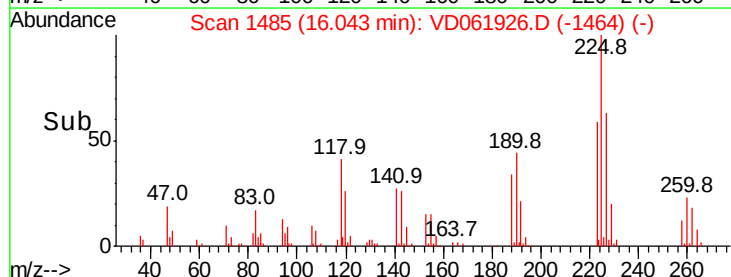
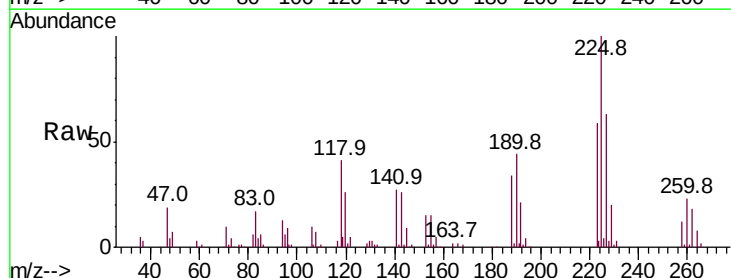
Manual Integrations
 APPROVED

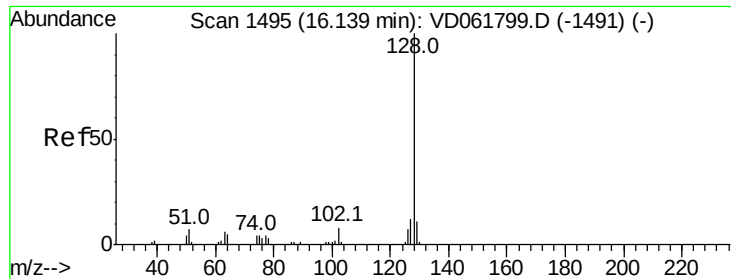
MMDadoda
 4/23/2019 6:56:24 AM



#94
 Hexachlorobutadiene
 Concen: 51.808 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	167803		
223	59.2	30.6	92.0	
227	62.6	32.0	96.2	





#95

Naphthalene

Concen: 59.509 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Instrument :

MSVOA_D

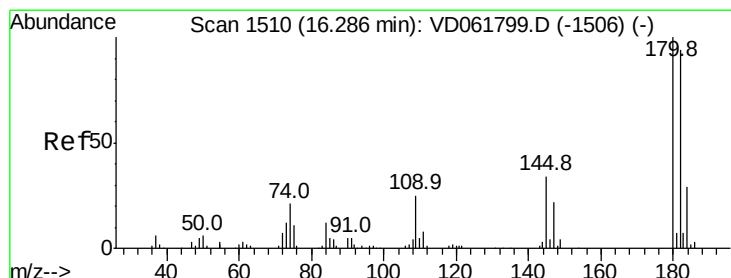
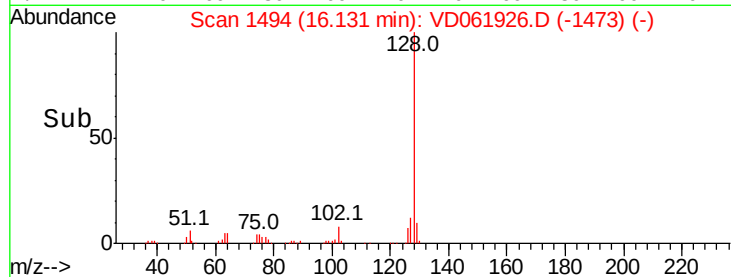
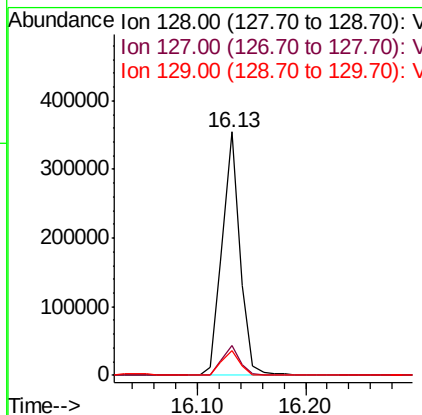
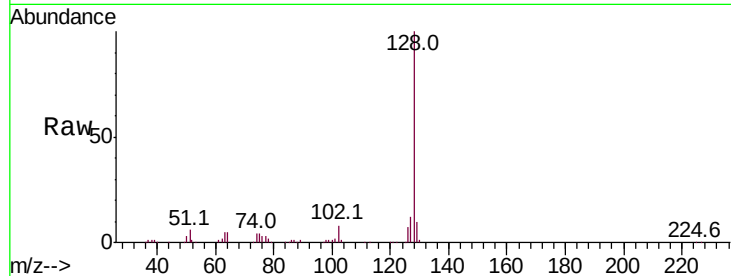
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	407662
Ion Ratio	Lower	Upper	
128	100		
127	12.1	9.8	14.8
129	10.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/23/2019 6:56:24 AM



#96

1,2,3-Trichlorobenzene

Concen: 55.171 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 00:37

Tgt Ion:	180	Resp:	140518
Ion Ratio	Lower	Upper	
180	100		
182	97.7	47.0	141.0
145	32.1	17.0	51.0

