

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062616.D
 Acq On : 5 Jun 2019 16:35
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 12:21:34 PM

Quant Time: Jun 06 05:43:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:23:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	783404	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	1081754	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	895697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	509825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	1165776	108.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.98%	
35) Dibromofluoromethane	6.94	113	1176223	106.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.96%	
50) Toluene-d8	10.42	98	2516959	106.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.54%	
62) 4-Bromofluorobenzene	13.56	95	1157212	103.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	763054	78.745	ug/l	98
3) Chloromethane	1.75	50	598760	79.147	ug/l	98
4) Vinyl Chloride	1.86	62	678524	91.459	ug/l	98
5) Bromomethane	2.15	94	278285	76.369	ug/l	98
6) Chloroethane	2.26	64	328270	87.674	ug/l	92
7) Trichlorofluoromethane	2.54	101	1474300	89.017	ug/l	98
8) Diethyl Ether	2.88	74	198458	92.206	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	847761	91.045	ug/l	95
10) Methyl Iodide	3.30	142	1195917	100.347	ug/l	99
11) Tert butyl alcohol	4.10	59	237320	493.195	ug/l	99
12) 1,1-Dichloroethene	3.13	96	632322	92.663	ug/l	94
13) Acrolein	3.05	56	84241	495.049	ug/l	98
14) Allyl chloride	3.63	41	1030983	99.133	ug/l	96
15) Acrylonitrile	4.21	53	513295	489.329	ug/l	90
16) Acetone	3.23	43	961112	497.699	ug/l	98
17) Carbon Disulfide	3.38	76	1966169	98.871	ug/l	98
18) Methyl Acetate	3.66	43	283087	82.437	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	1635227	98.825	ug/l	97
20) Methylene Chloride	3.83	84	649301	86.385	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	734919	98.791	ug/l	98
22) Diisopropyl ether	5.13	45	2084271	94.871	ug/l	97
23) Vinyl Acetate	5.08	43	6452487	482.781	ug/l	98
24) 1,1-Dichloroethane	5.00	63	1316873	95.135	ug/l	98
25) 2-Butanone	6.09	43	921339	502.248	ug/l	94
26) 2,2-Dichloropropane	6.04	77	1447887	95.727	ug/l	96
27) cis-1,2-Dichloroethene	6.05	96	773648	96.488	ug/l	91
28) Bromochloromethane	6.45	49	596878	113.977	ug/l	90
29) Tetrahydrofuran	6.47	42	414906	487.226	ug/l	99
30) Chloroform	6.68	83	1647590	95.701	ug/l	96
31) Cyclohexane	6.97	56	906327	102.424	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	1696206	97.322	ug/l	96
36) 1,1-Dichloropropene	7.16	75	1094340	94.091	ug/l	99
37) Ethyl Acetate	6.20	43	446919	95.222	ug/l #	96
38) Carbon Tetrachloride	7.12	117	1714001m	97.223	ug/l	

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	963304	96.874	ug/l	98
40) Benzene	7.47	78	2201253	95.827	ug/l	100
41) Methacrylonitrile	6.46	41	577567	95.026	ug/l	97
42) 1,2-Dichloroethane	7.59	62	1257597	93.011	ug/l	98
43) Isopropyl Acetate	9.25	43	629278	97.549	ug/l #	98
44) Trichloroethene	8.55	130	899413	96.552	ug/l	96
45) 1,2-Dichloropropane	8.95	63	550611	95.724	ug/l	99
46) Dibromomethane	9.07	93	458812	91.685	ug/l	99
47) Bromodichloromethane	9.39	83	1303664	96.720	ug/l	99
48) Methyl methacrylate	9.13	41	413552	94.265	ug/l	93
49) 1,4-Dioxane	9.09	88	69658	2000.657	ug/l	90
51) 4-Methyl-2-Pentanone	10.31	43	2032052	483.773	ug/l	100
52) Toluene	10.52	92	1485601	97.505	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	1099045	98.203	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	1125453	98.752	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	494656	94.631	ug/l	95
56) Ethyl methacrylate	11.05	69	566681	97.273	ug/l	94
57) 1,3-Dichloropropane	11.42	76	761287	93.282	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	1445529	483.786	ug/l	99
59) 2-Hexanone	11.54	43	1618432	508.149	ug/l	99
60) Dibromochloromethane	11.69	129	1002949	98.194	ug/l	99
61) 1,2-Dibromoethane	11.82	107	607860	94.946	ug/l	95
64) Tetrachloroethene	11.27	164	797625	98.604	ug/l	94
65) Chlorobenzene	12.41	112	1842736	99.008	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	872086	97.475	ug/l	96
67) Ethyl Benzene	12.53	91	3155980	93.818	ug/l	100
68) m/p-Xylenes	12.68	106	2364701	201.527	ug/l	93
69) o-Xylene	13.06	106	1066517	94.333	ug/l	95
70) Styrene	13.08	104	1834332	96.578	ug/l	98
71) Bromoform	13.25	173	629326	101.844	ug/l #	97
73) Isopropylbenzene	13.41	105	3405163	96.057	ug/l	95
74) N-amyl acetate	13.28	43	900637	98.393	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	588615	99.051	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	639247	96.121	ug/l	97
77) Bromobenzene	13.68	156	928541	94.169	ug/l	84
78) n-propylbenzene	13.78	91	3565272	86.721	ug/l	99
79) 2-Chlorotoluene	13.85	91	2268454	91.012	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	2904387	95.199	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	176353	103.162	ug/l	87
82) 4-Chlorotoluene	13.96	91	2706553	92.278	ug/l	97
83) tert-Butylbenzene	14.20	119	3272120	97.402	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	2815544	90.163	ug/l	100
85) sec-Butylbenzene	14.38	105	3260702	94.201	ug/l	96
86) p-Isopropyltoluene	14.50	119	3092992	92.942	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	1614691	97.570	ug/l	93
88) 1,4-Dichlorobenzene	14.55	146	1617408	96.502	ug/l	95
89) n-Butylbenzene	14.80	91	2907006	93.945	ug/l	99
90) Hexachloroethane	15.01	117	869494	99.272	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	1422056	93.061	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	119246	98.097	ug/l	93

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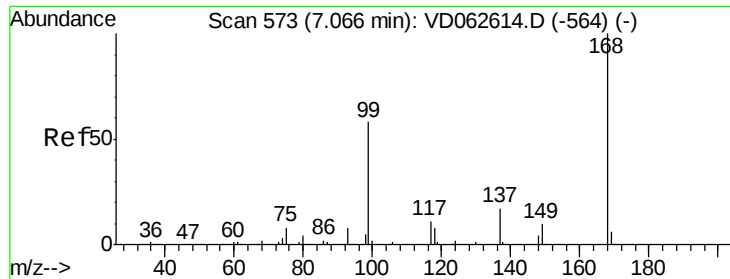
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	1026300	93.473	ug/l	96
94) Hexachlorobutadiene	16.04	225	823195	99.955	ug/l	98
95) Naphthalene	16.13	128	1599018	101.702	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	816994	97.309	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 783404

Ion Ratio Lower Upper

168 100

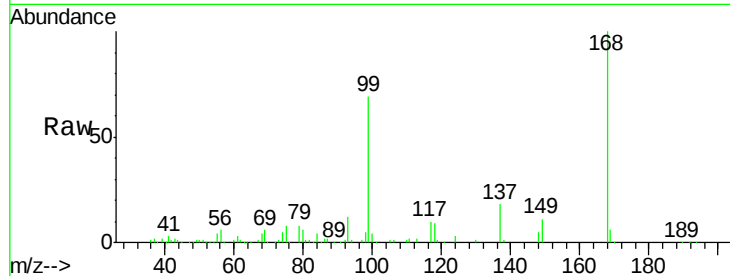
99 68.9 48.1 72.1

Manual Integrations

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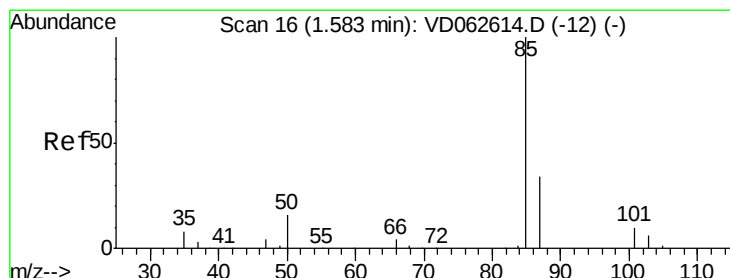
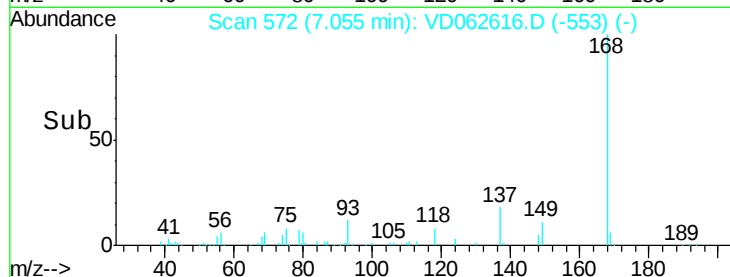
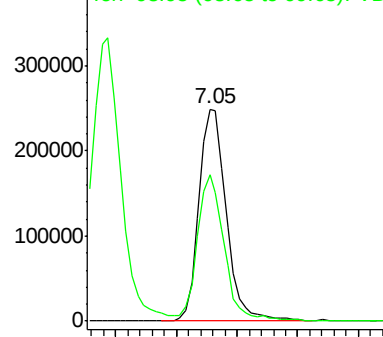
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 78.745 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.00 min

Lab File: VD062616.D

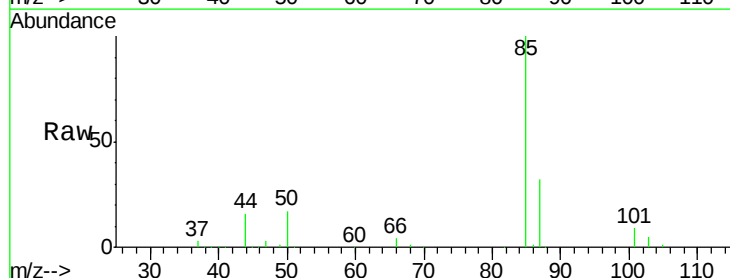
Acq: 5 Jun 2019 16:35

Tgt Ion: 85 Resp: 763054

Ion Ratio Lower Upper

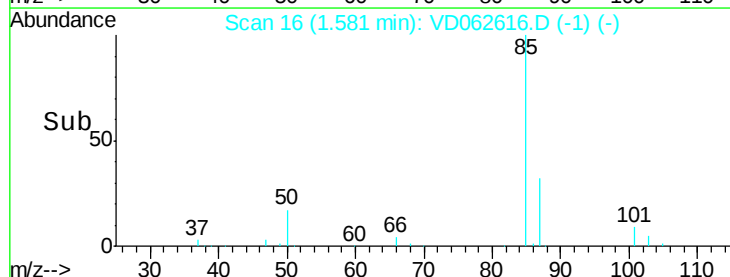
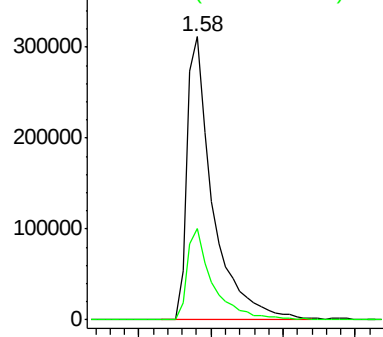
85 100

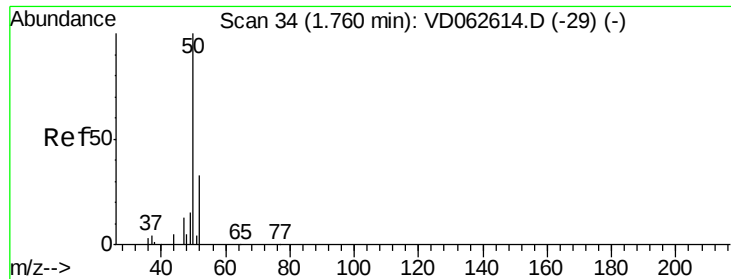
87 32.4 16.9 50.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 79.147 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 598760

Ion Ratio Lower Upper

50 100

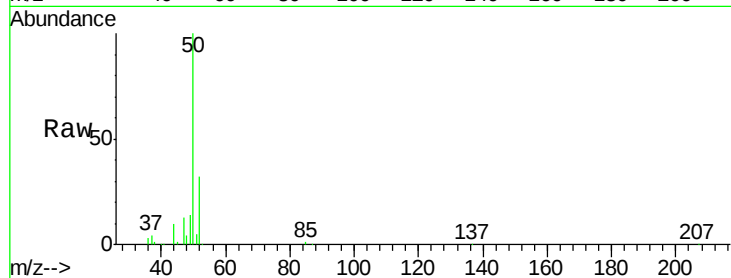
52 32.2 26.6 40.0

Manual Integrations

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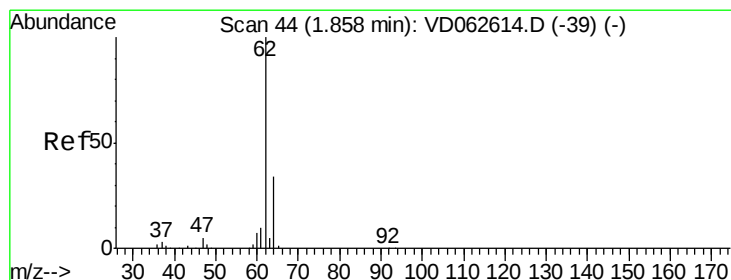
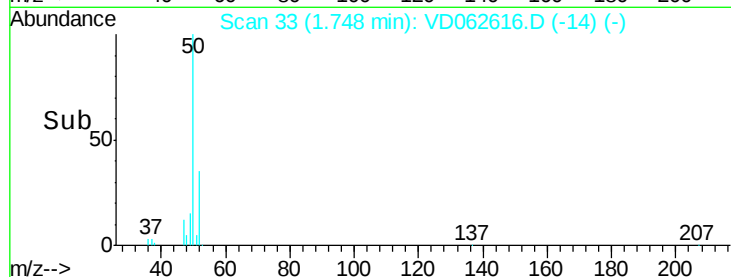
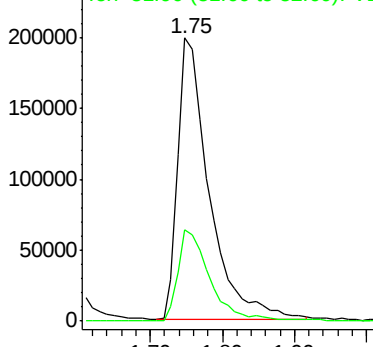
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 91.459 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD062616.D

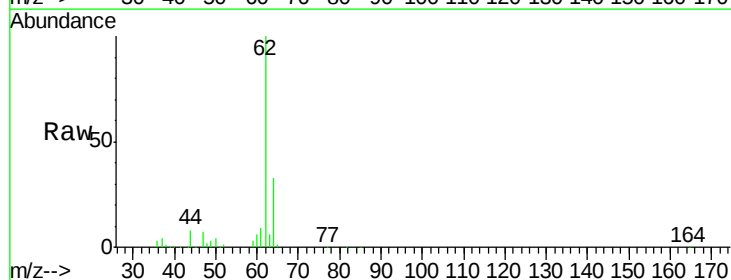
Acq: 5 Jun 2019 16:35

Tgt Ion: 62 Resp: 678524

Ion Ratio Lower Upper

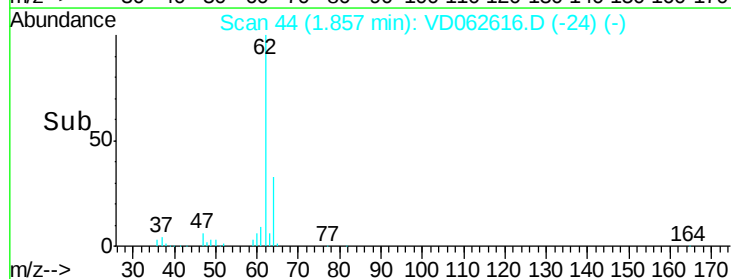
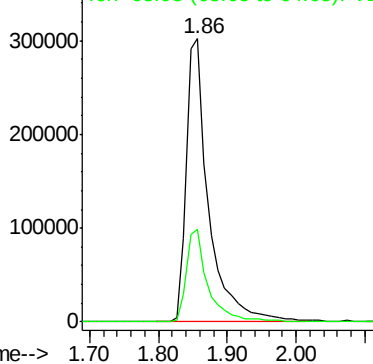
62 100

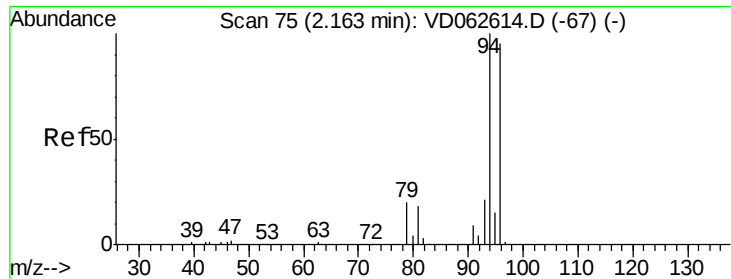
64 32.6 27.2 40.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 76.369 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

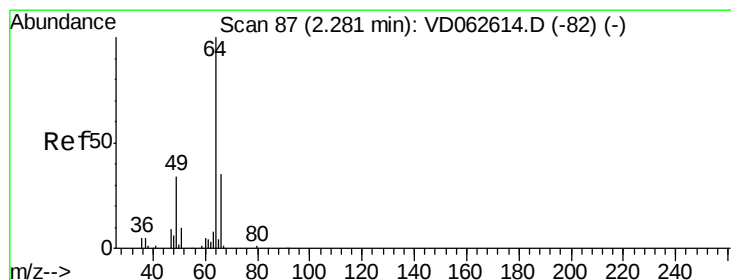
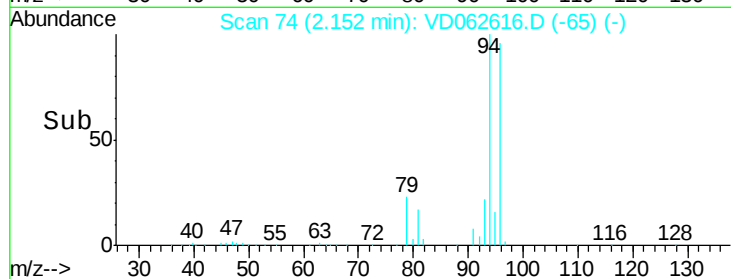
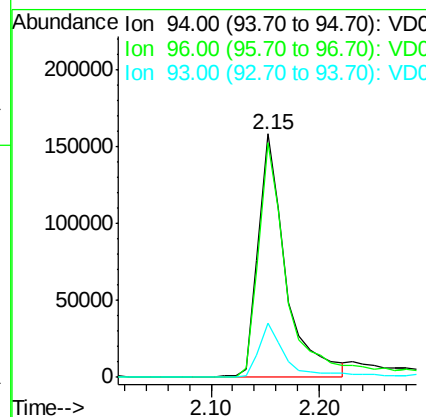
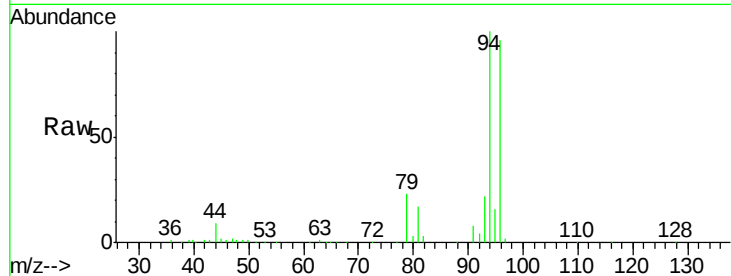
ClientSampleId :

VSTDIC100

Tot Ion:	94	Resp:	278285
Ion Ratio	Lower	Upper	
94	100		
96	96.2	75.8	113.8
93	22.2	16.6	25.0

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#6

Chloroethane

Concen: 87.674 ug/l

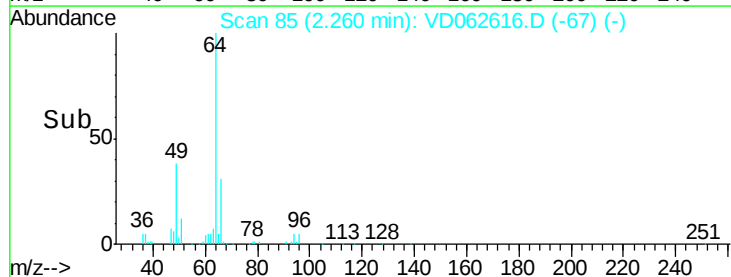
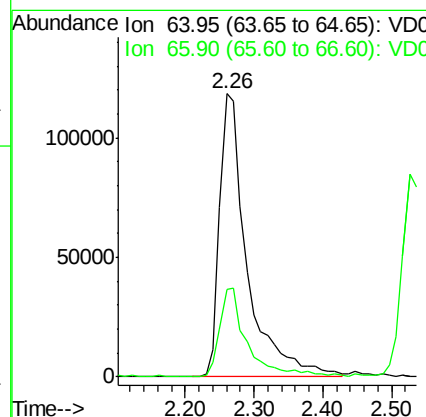
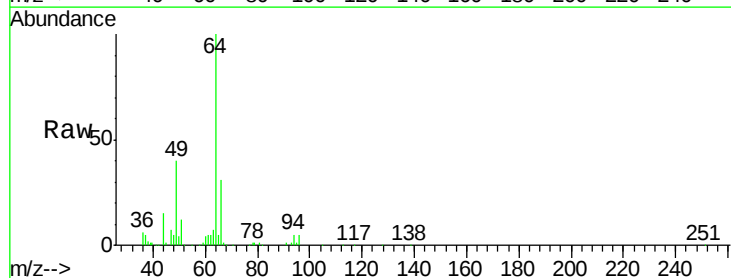
RT: 2.26 min Scan# 85

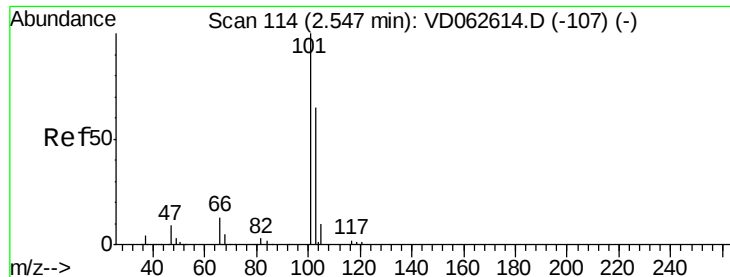
Delta R.T. -0.02 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Tgt Ion:	64	Resp:	328270
Ion Ratio	Lower	Upper	
64	100		
66	30.7	28.4	42.6





#7

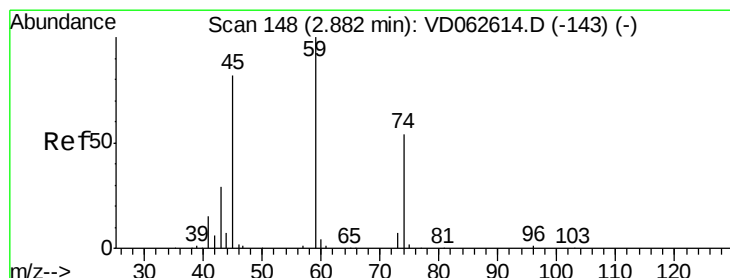
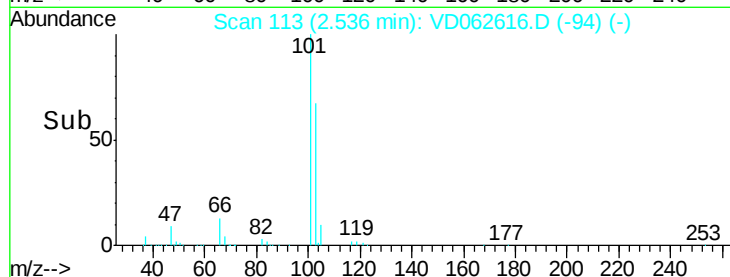
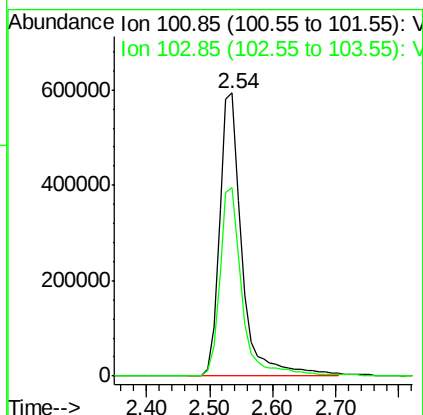
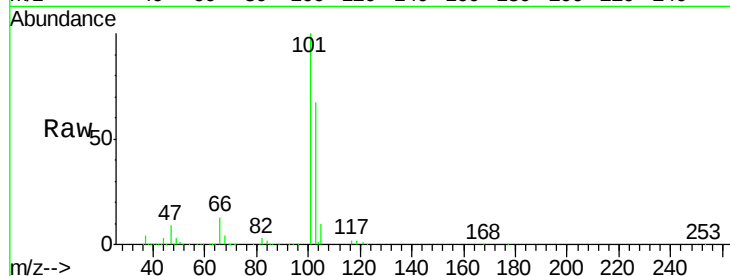
Trichlorofluoromethane
Concen: 89.017 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 1474300
Ion Ratio Lower Upper
101 100
103 66.5 52.1 78.1

Manual Integrations
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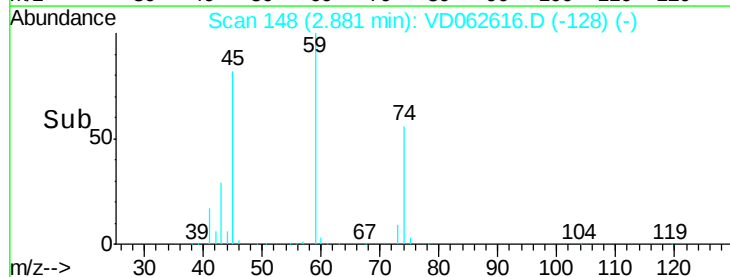
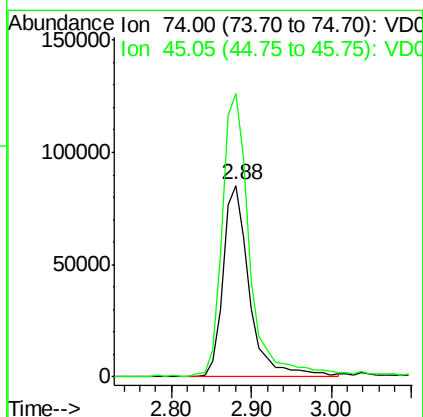
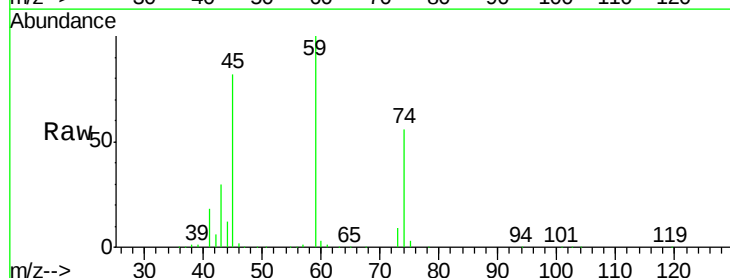
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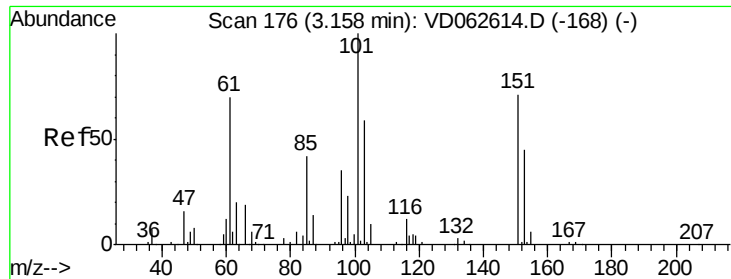


#8

Diethyl Ether
Concen: 92.206 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion: 74 Resp: 198458
Ion Ratio Lower Upper
74 100
45 147.6 75.6 226.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.045 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

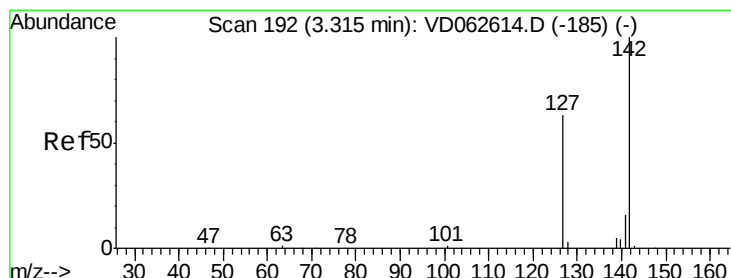
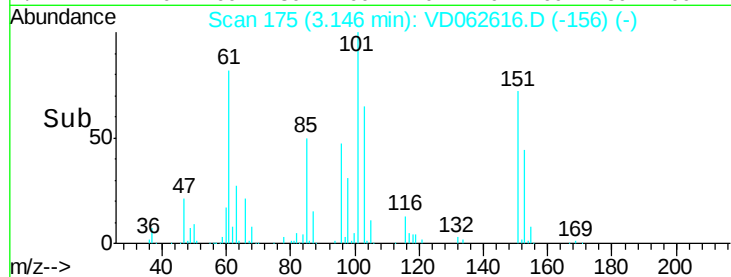
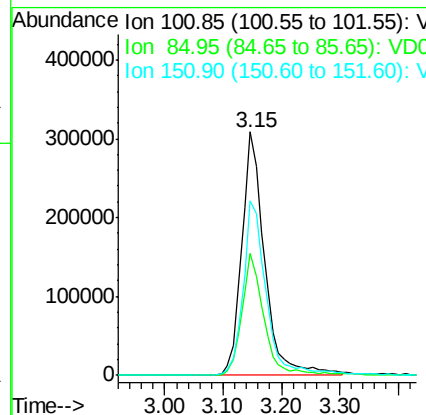
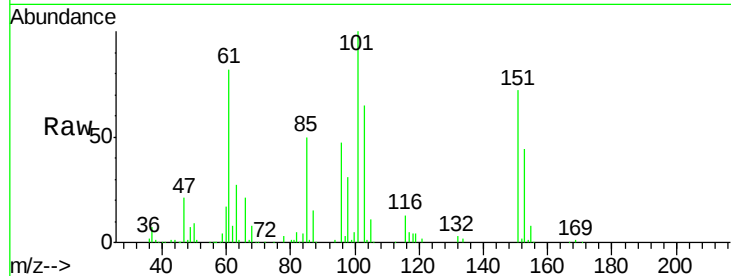
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	847761
Ion Ratio	Lower	Upper	
101	100		
85	50.2	33.8	50.6
151	71.8	56.8	85.2

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 100.347 ug/l

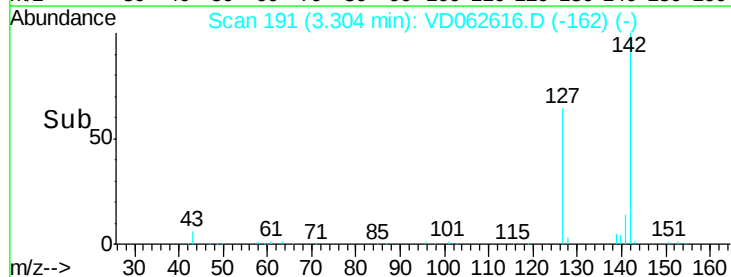
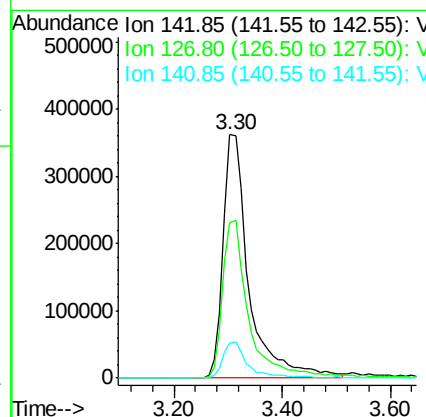
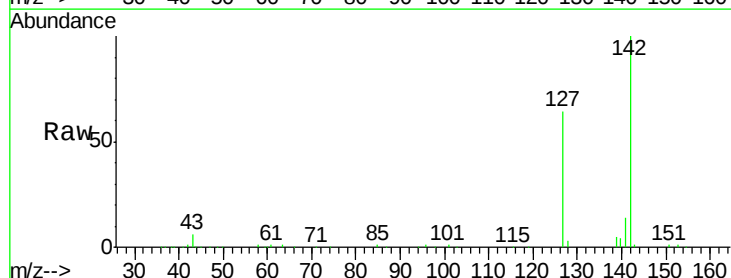
RT: 3.30 min Scan# 191

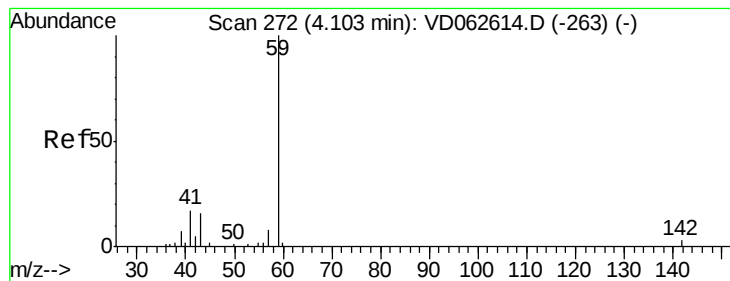
Delta R.T. -0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Tgt Ion:	142	Resp:	1195917
Ion Ratio	Lower	Upper	
142	100		
127	63.7	50.7	76.1
141	14.1	12.9	19.3





#11

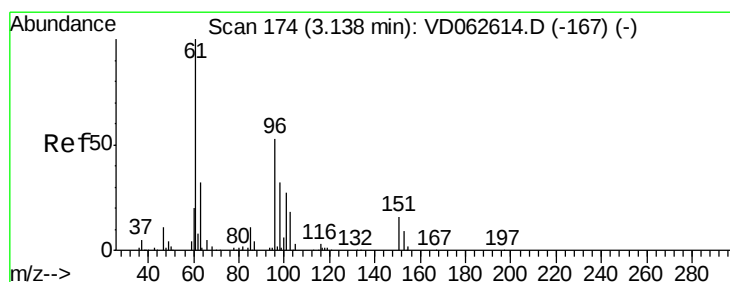
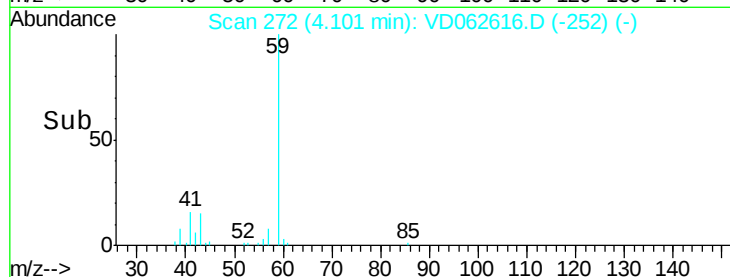
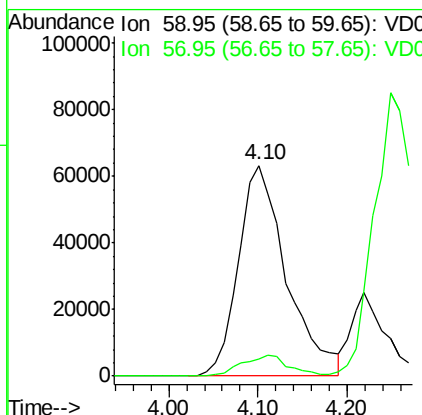
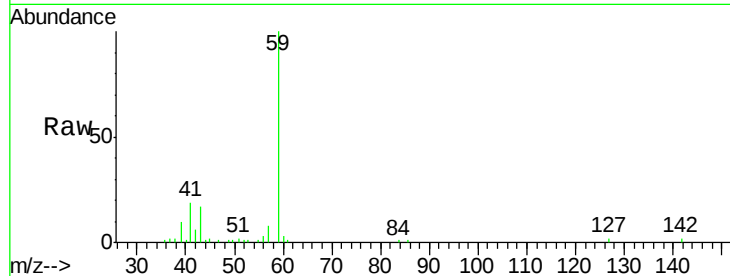
Tert butyl alcohol
Concen: 493.195 ug/l
RT: 4.10 min Scan# 272
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.4	6.4	9.6

Manual Integrations
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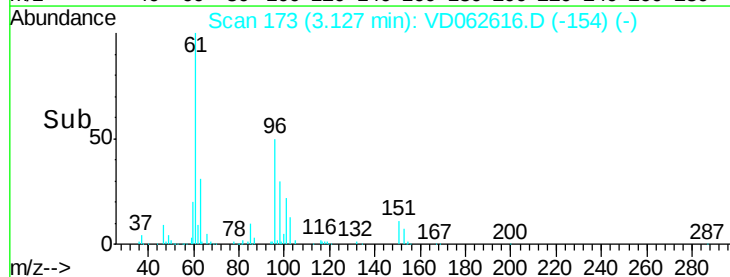
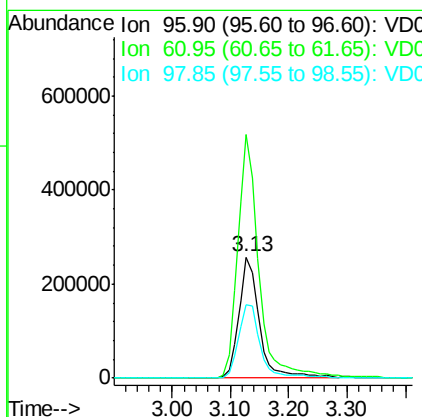
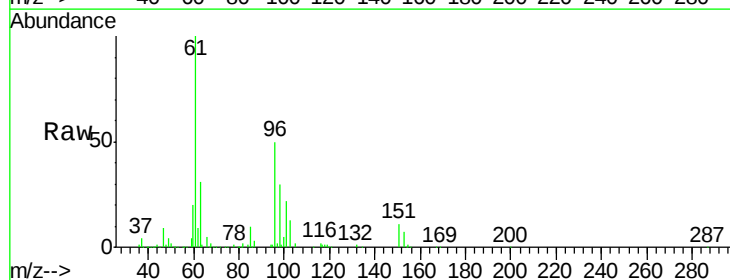
MMDadoda
6/6/2019 12:21:34 PM

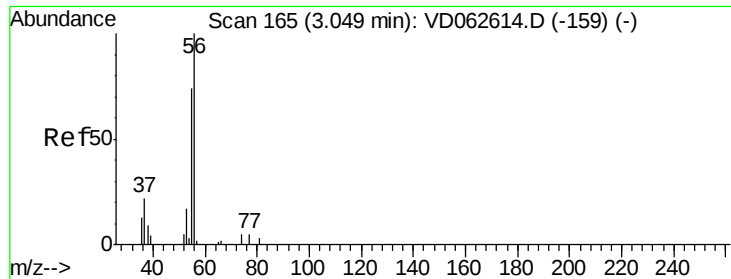


#12

1,1-Dichloroethene
Concen: 92.663 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	201.2	151.3	226.9
98	61.1	48.6	72.8





#13

Acrolein

Concen: 495.049 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 84241

Ion Ratio Lower Upper

56 100

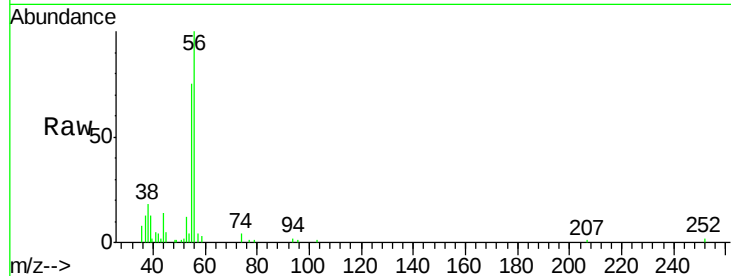
55 75.2 61.4 92.0

Manual Integrations

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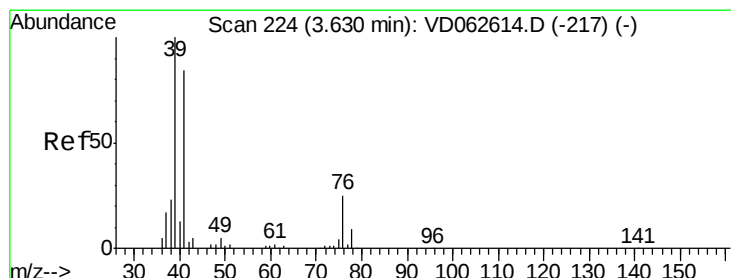
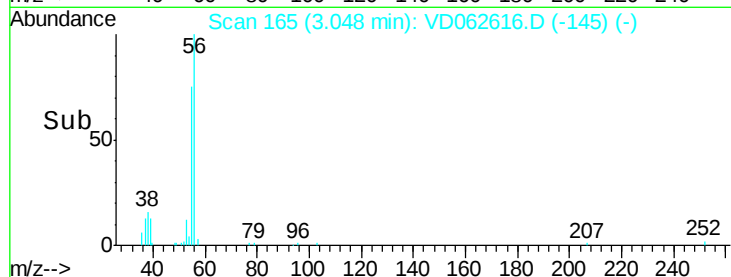
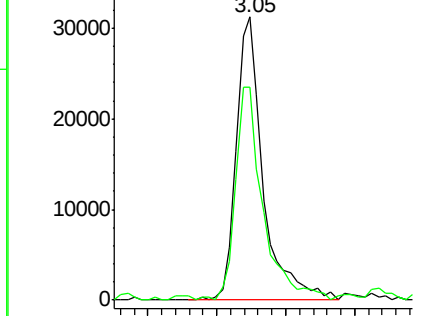
MMDadoda

6/6/2019 12:21:34 PM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 99.133 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

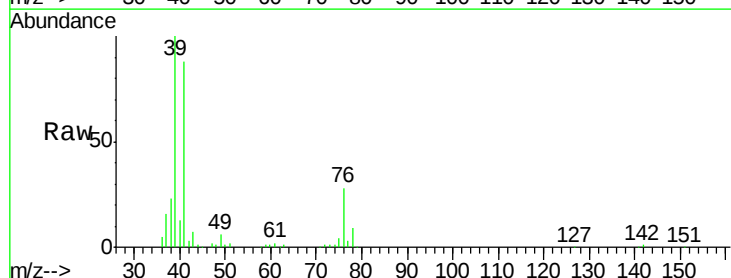
Tgt Ion: 41 Resp: 1030983

Ion Ratio Lower Upper

41 100

39 113.7 95.5 143.3

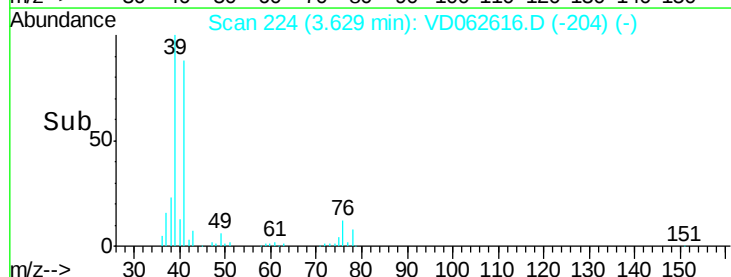
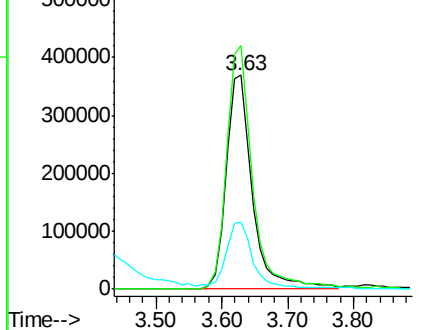
76 31.5 25.4 38.0

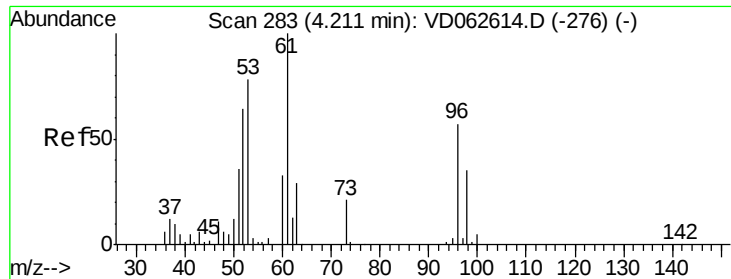


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 489.329 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

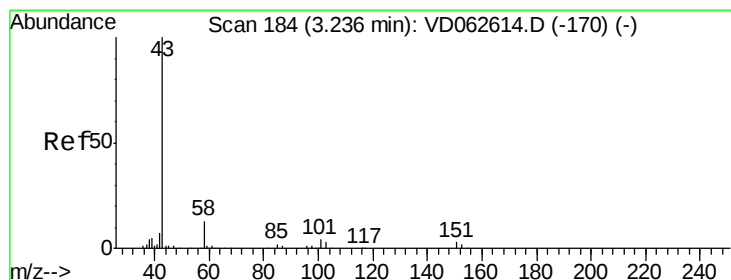
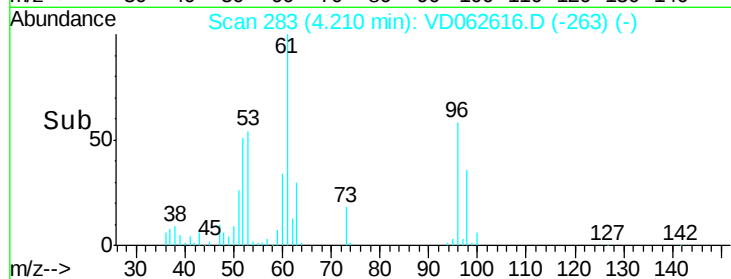
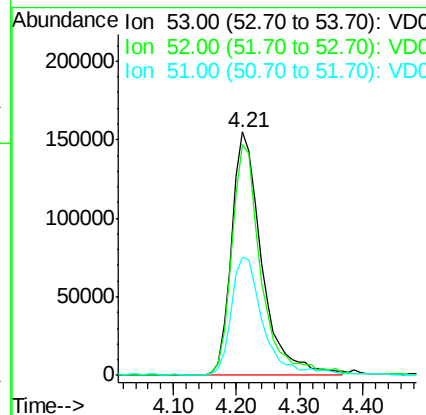
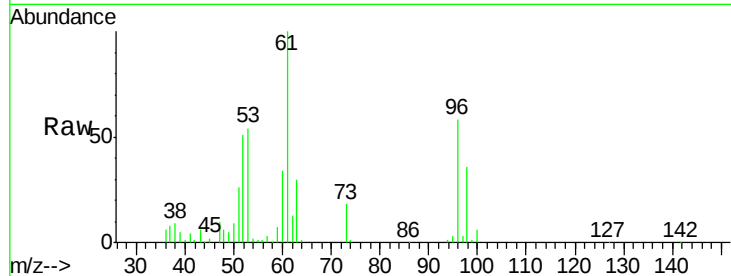
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	513295
Ion	Ratio	Lower	Upper
53	100		
52	94.5	65.8	98.6
51	48.8	36.9	55.3

Manual Integrations
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#16

Acetone

Concen: 497.699 ug/l

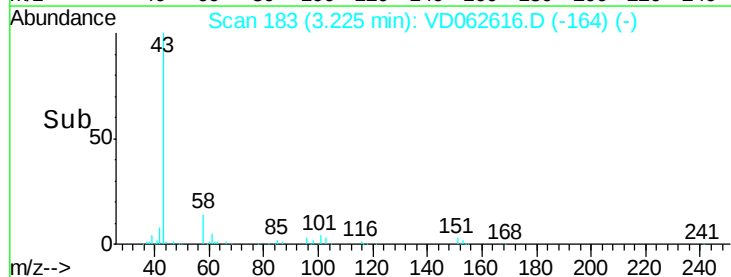
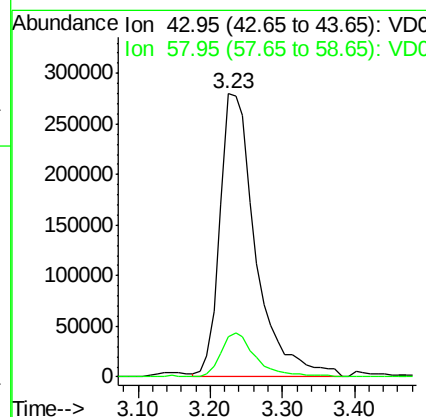
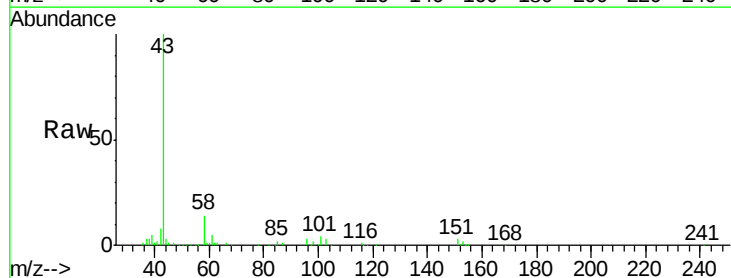
RT: 3.23 min Scan# 183

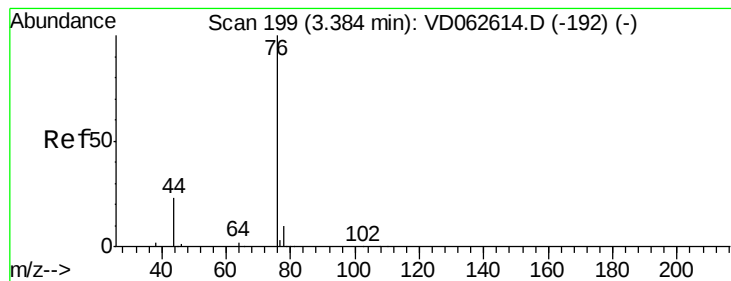
Delta R.T. -0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Tgt Ion:	43	Resp:	961112
Ion	Ratio	Lower	Upper
43	100		
58	14.1	10.7	16.1





#17

Carbon Disulfide

Concen: 98.871 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1966169

Ion Ratio Lower Upper

76 100

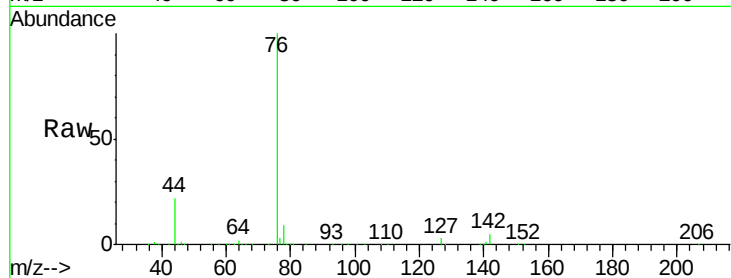
78 9.5 8.1 12.1

Manual Integrations

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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

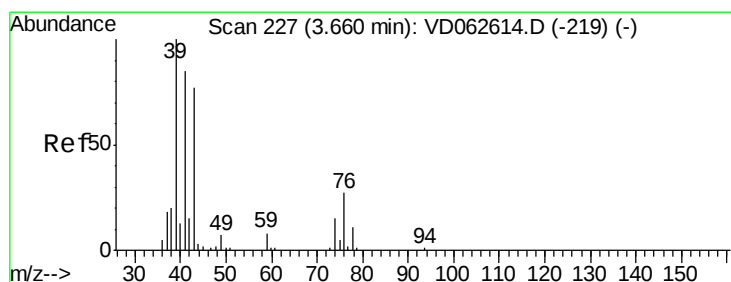
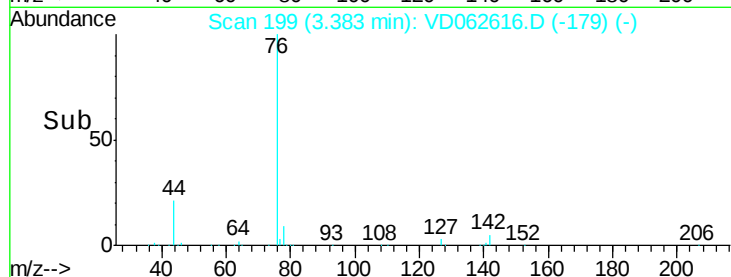
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 82.437 ug/l

RT: 3.66 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD062616.D

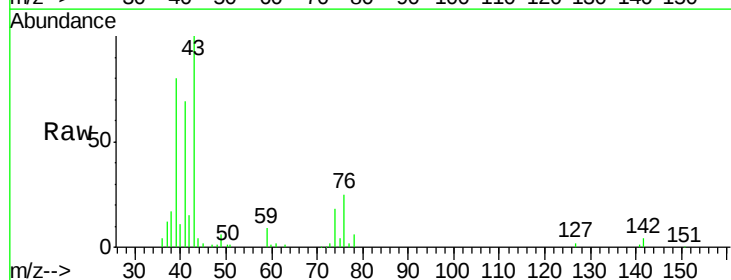
Acq: 5 Jun 2019 16:35

Tgt Ion: 43 Resp: 283087

Ion Ratio Lower Upper

43 100

74 17.8 15.5 23.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.66

120000

100000

80000

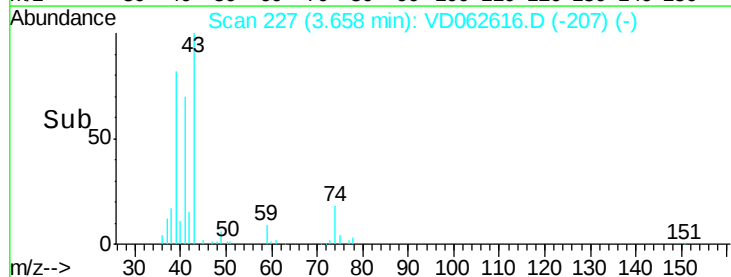
60000

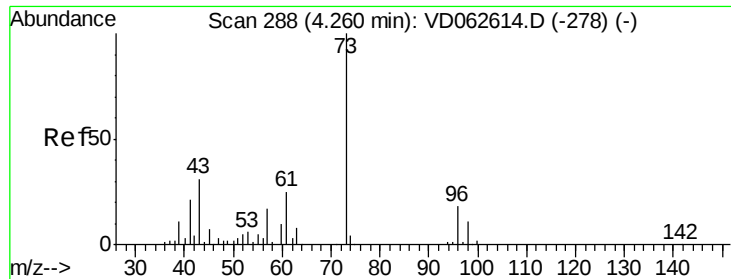
40000

20000

0

Time-->





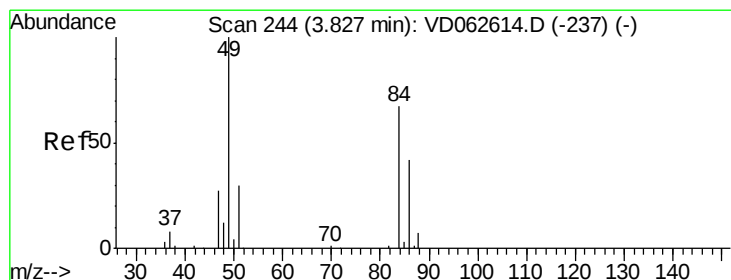
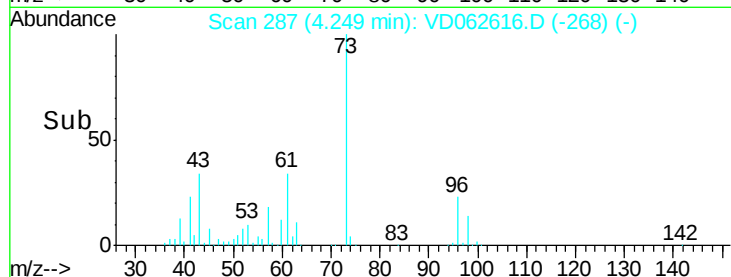
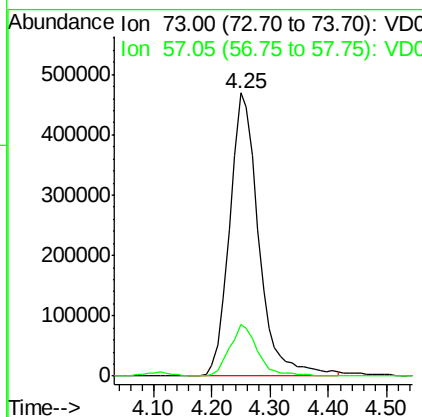
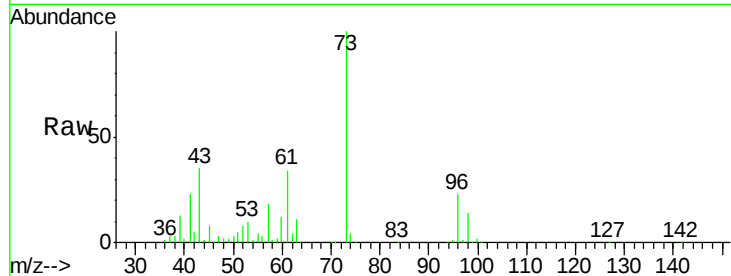
#19
Methvl tert-butvl Ether
Concen: 98.825 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.01 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1635227
Ion Ratio Lower Upper
73 100
57 18.1 13.5 20.3

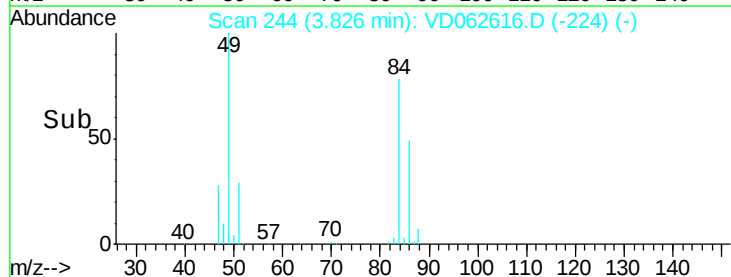
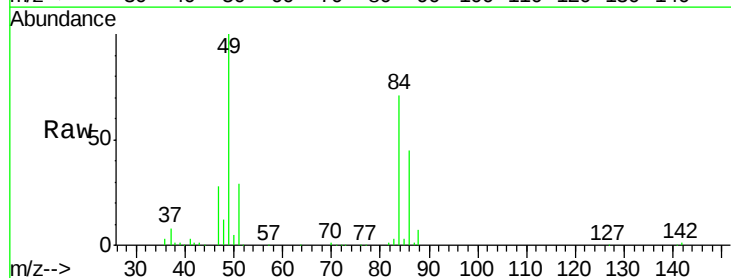
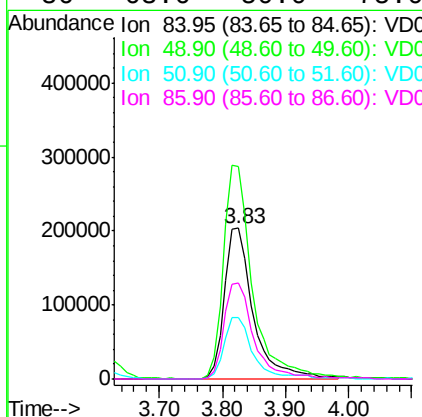
Manual Integrations
APPROVED

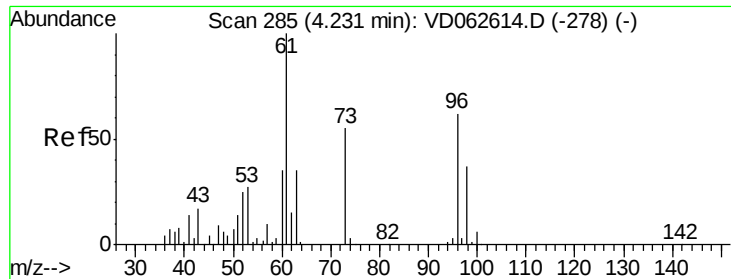
MMDadoda
6/6/2019 12:21:34 PM



#20
Methylene Chloride
Concen: 86.385 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion: 84 Resp: 649301
Ion Ratio Lower Upper
84 100
49 140.8 119.0 178.6
51 40.8 35.4 53.2
86 63.6 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 98.791 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 734919

Ion Ratio Lower Upper

96 100

61 158.2 128.2 192.4

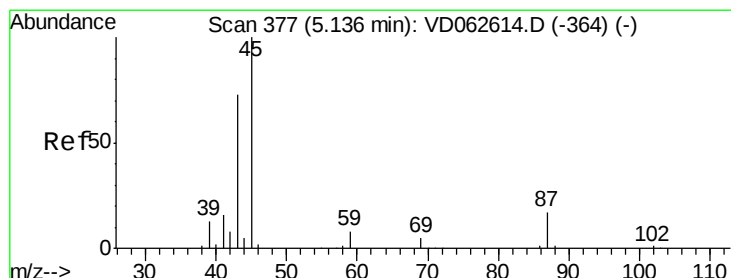
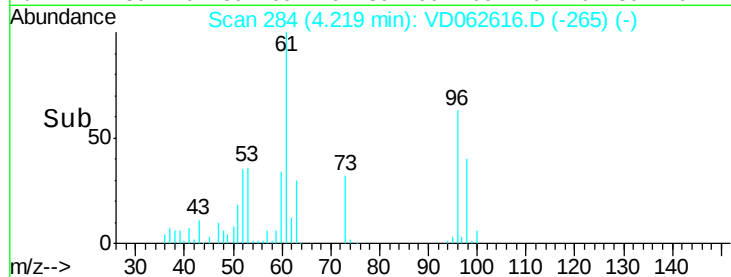
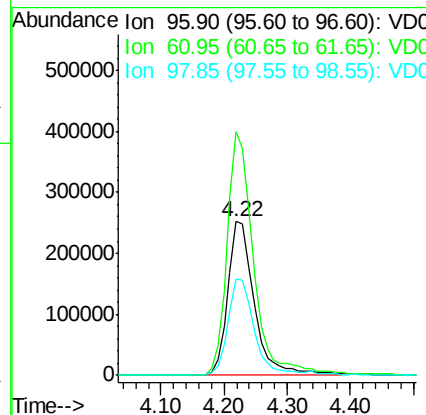
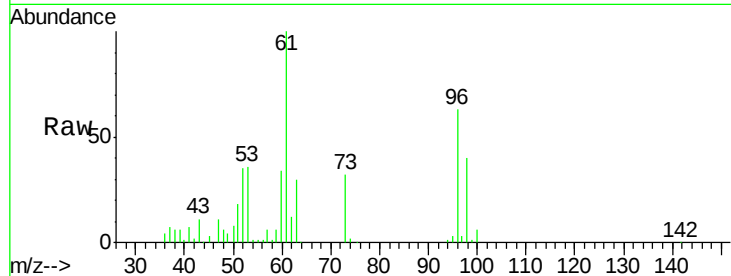
98 62.7 47.5 71.3

Manual Integrations

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6/6/2019 12:21:34 PM



#22

Diisopropyl ether

Concen: 94.871 ug/l

RT: 5.13 min Scan# 377

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Tgt Ion: 45 Resp: 2084271

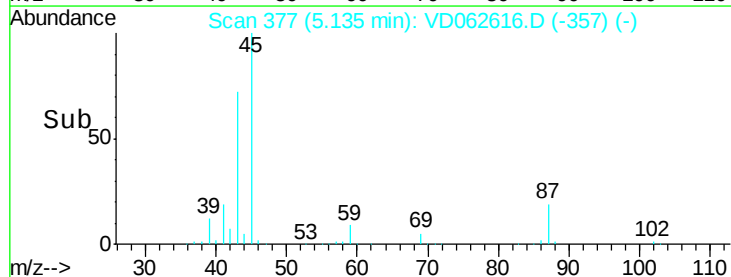
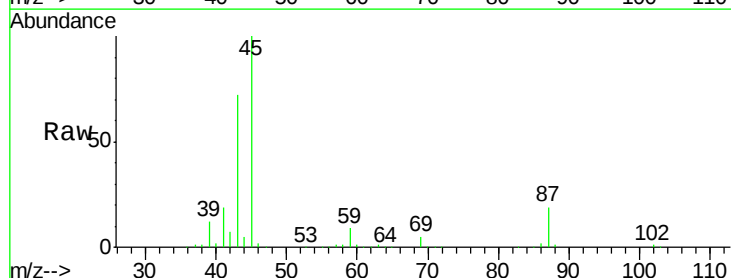
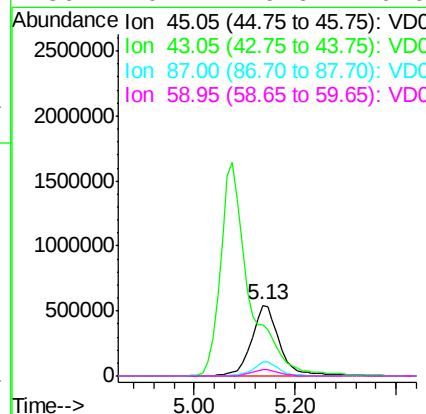
Ion Ratio Lower Upper

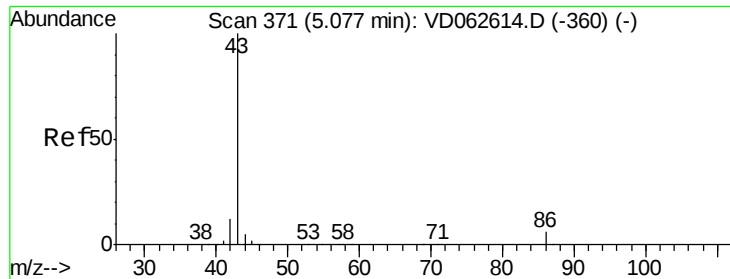
45 100

43 71.9 59.3 88.9

87 19.2 14.6 22.0

59 9.4 6.6 10.0





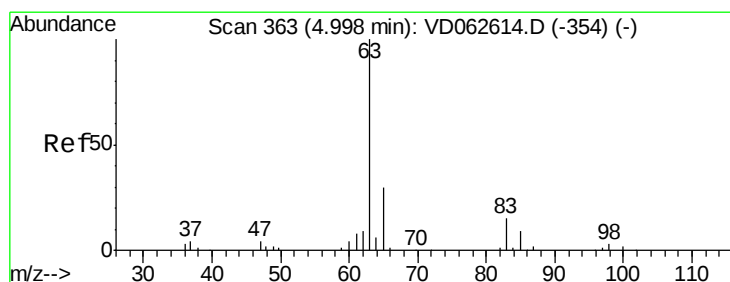
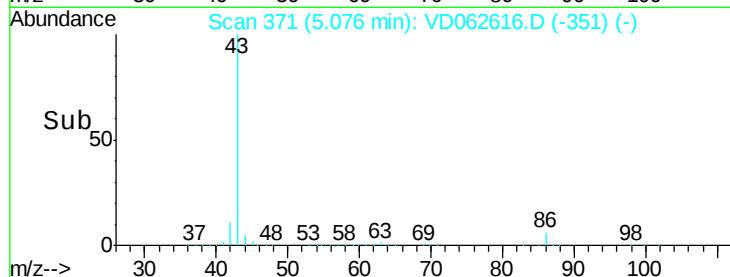
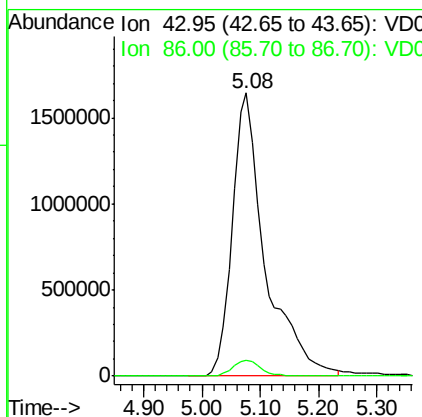
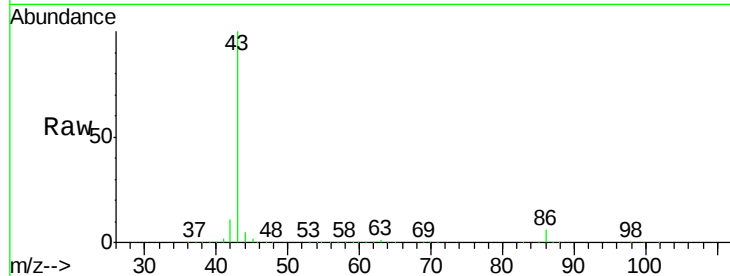
#23
 Vinyl Acetate
 Concen: 482.781 ug/l
 RT: 5.08 min Scan# 371
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 6452487
 Ion Ratio Lower Upper
 43 100
 86 5.8 5.2 7.8

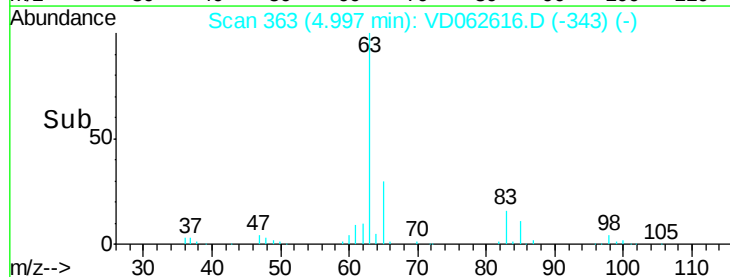
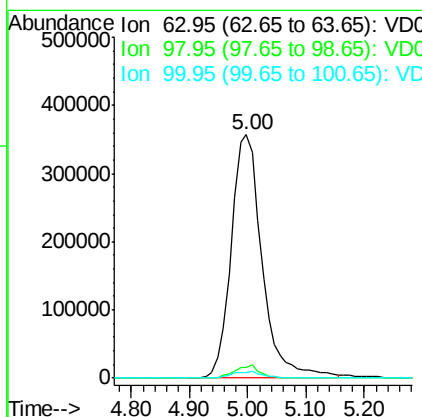
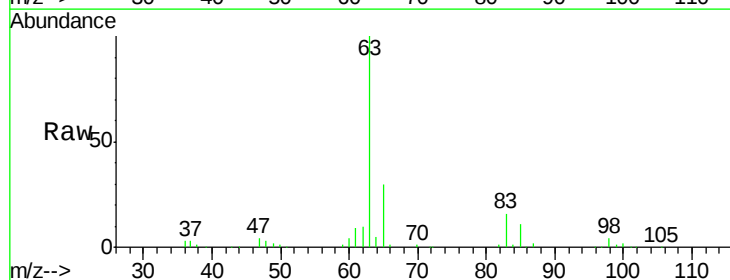
Manual Integrations
 APPROVED

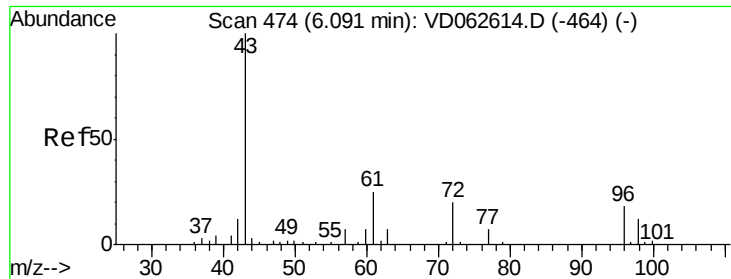
MMDadoda
 6/6/2019 12:21:34 PM



#24
 1,1-Dichloroethane
 Concen: 95.135 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion: 63 Resp: 1316873
 Ion Ratio Lower Upper
 63 100
 98 4.2 1.7 5.1
 100 2.4 1.1 3.5





#25

2-Butanone

Concen: 502.248 ug/l

RT: 6.09 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 921339

Ion Ratio Lower Upper

43 100

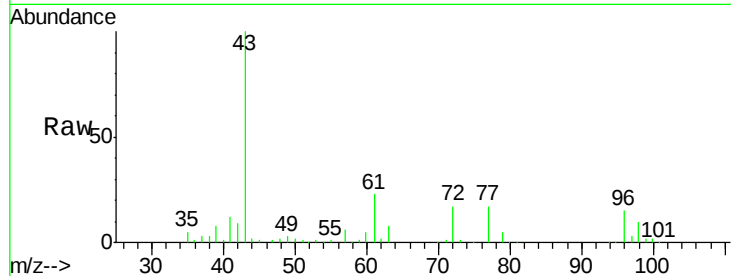
72 16.6 15.7 23.5

Manual Integrations

APPROVED

MMDadoda

6/6/2019 12:21:34 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.09

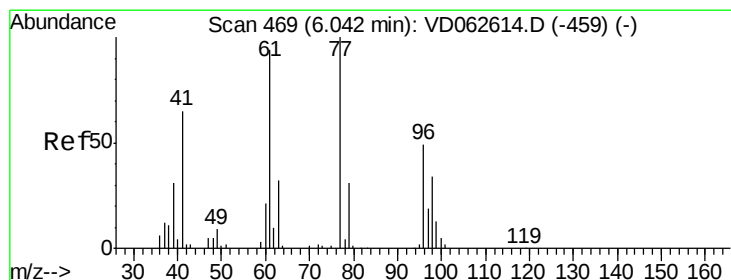
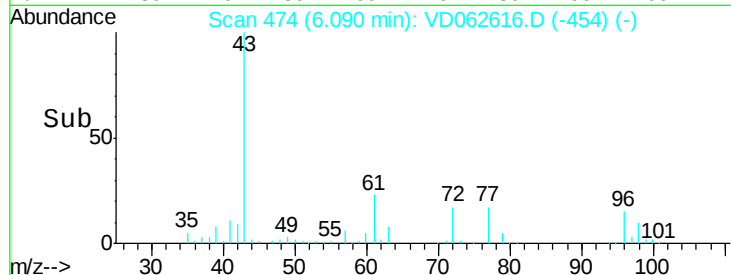
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 95.727 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD062616.D

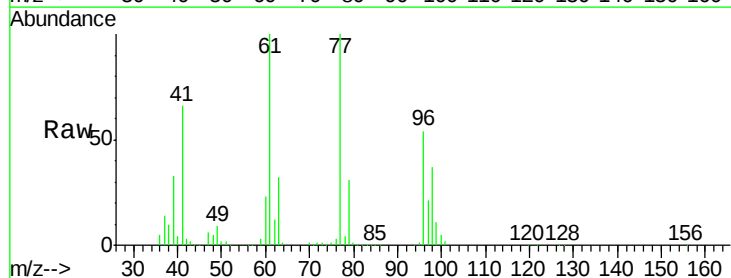
Acq: 5 Jun 2019 16:35

Tgt Ion: 77 Resp: 1447887

Ion Ratio Lower Upper

77 100

97 21.0 9.6 28.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.04

400000

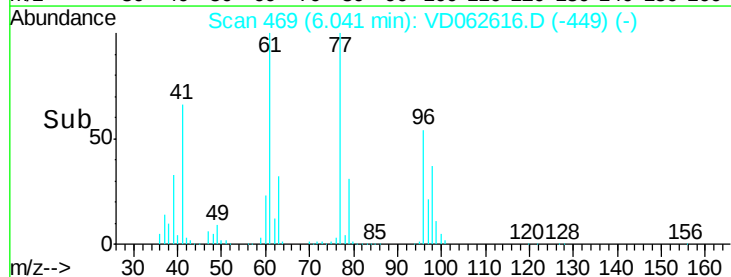
300000

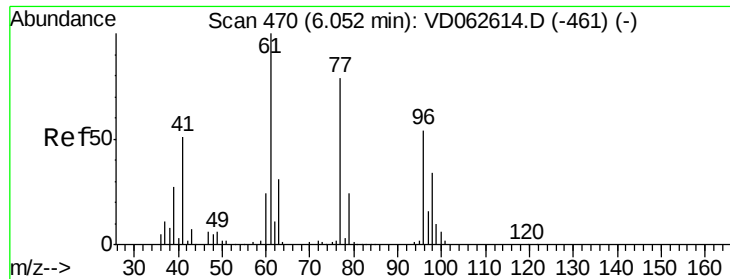
200000

100000

0

Time-->





#27

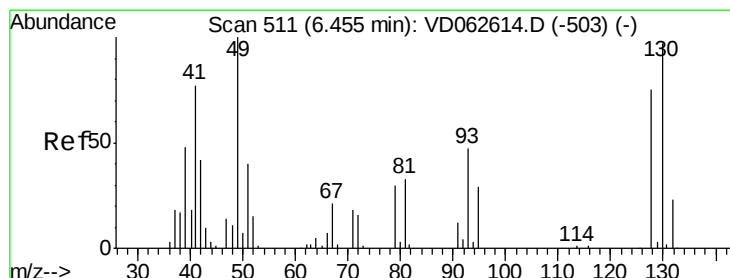
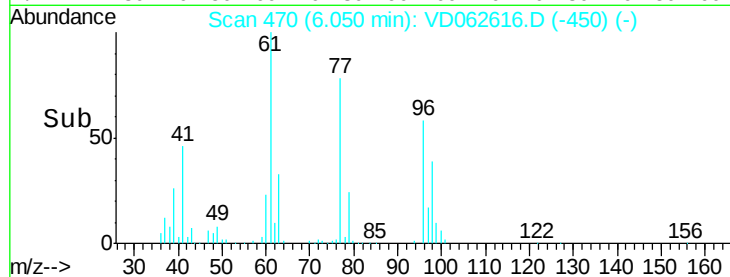
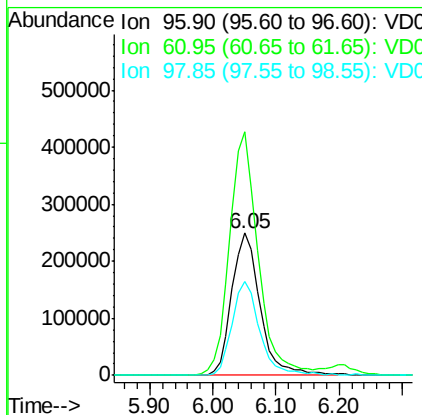
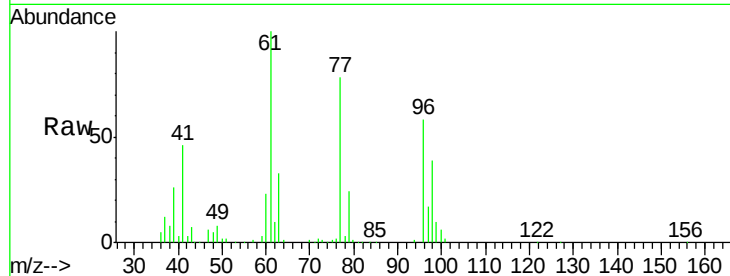
cis-1,2-Dichloroethene
Concen: 96.488 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	773648		
61	171.5	0.0	372.0	
98	66.5	0.0	126.4	

Manual Integrations
APPROVED

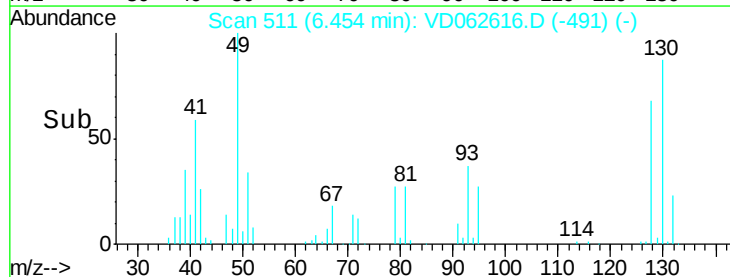
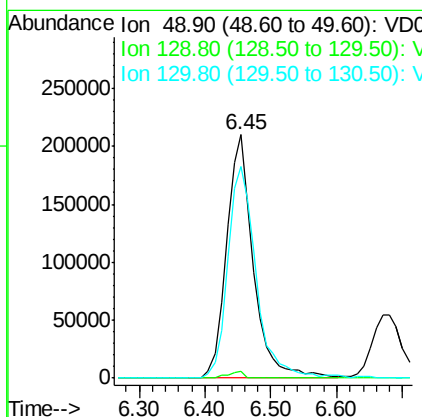
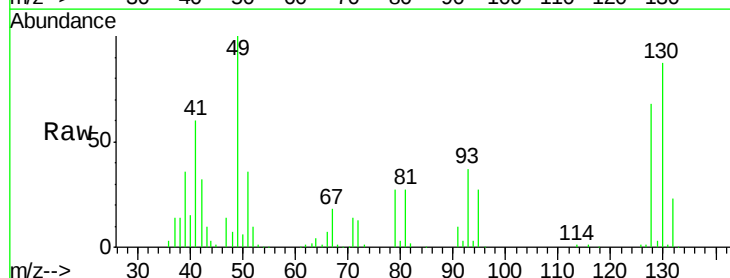
MMDadoda
6/6/2019 12:21:34 PM

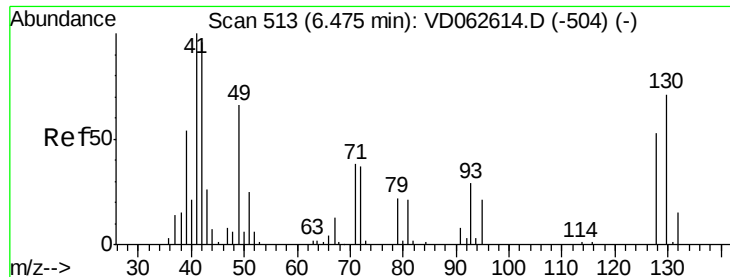


#28

Bromochloromethane
Concen: 113.977 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	596878		
129	2.7	0.0	6.4	
130	86.9	77.6	116.4	





#29

Tetrahydrofuran

Concen: 487.226 ug/l

RT: 6.47 min Scan# 513

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 42 Resp: 414906

Ion Ratio Lower Upper

42 100

72 41.6 32.5 48.7

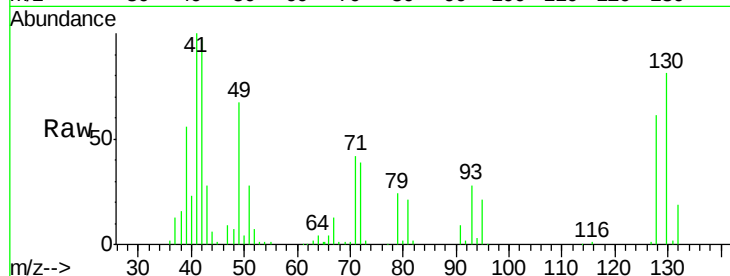
71 44.1 35.0 52.4

Manual Integrations

APPROVED

MMDadoda

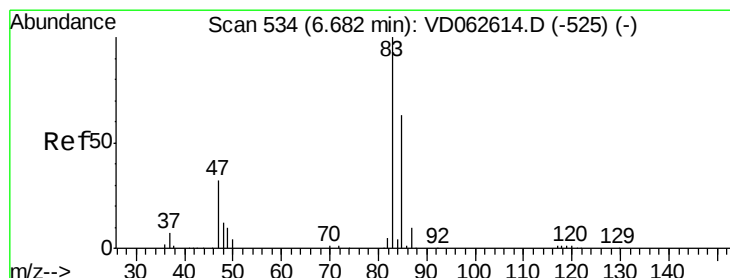
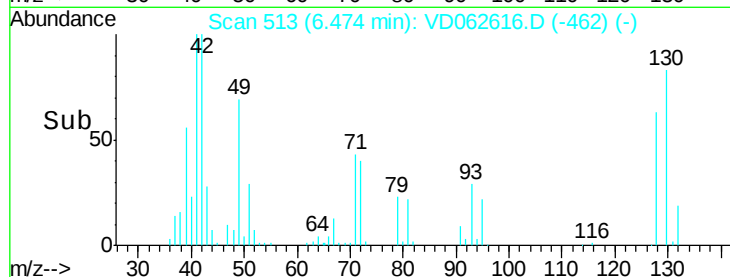
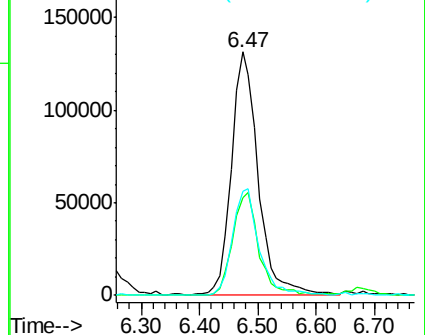
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Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 95.701 ug/l

RT: 6.68 min Scan# 534

Delta R.T. -0.00 min

Lab File: VD062616.D

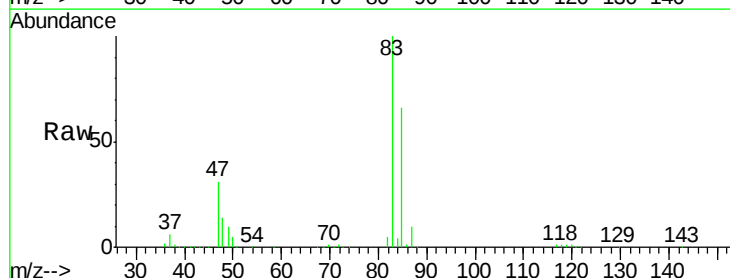
Acq: 5 Jun 2019 16:35

Tgt Ion: 83 Resp: 1647590

Ion Ratio Lower Upper

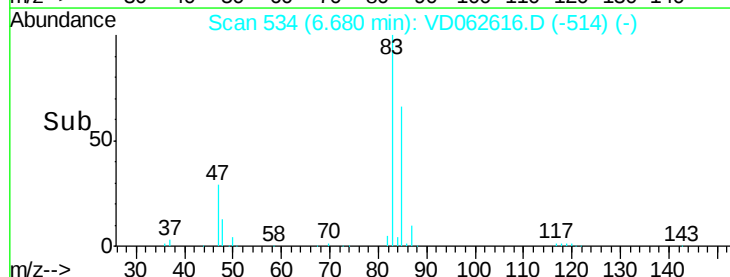
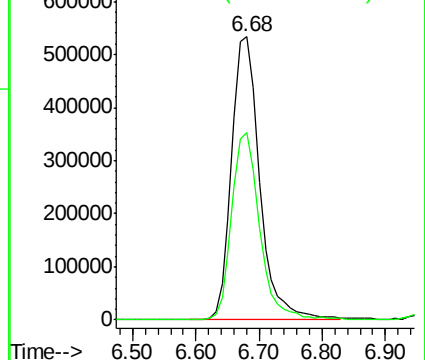
83 100

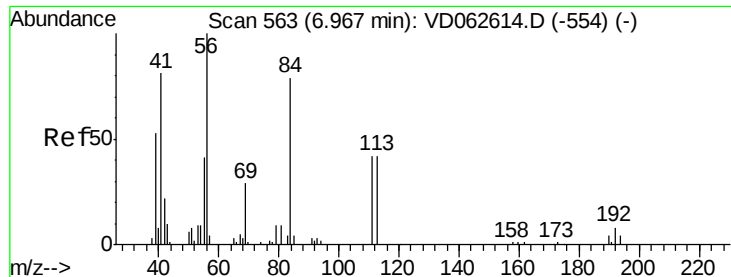
85 66.4 50.4 75.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





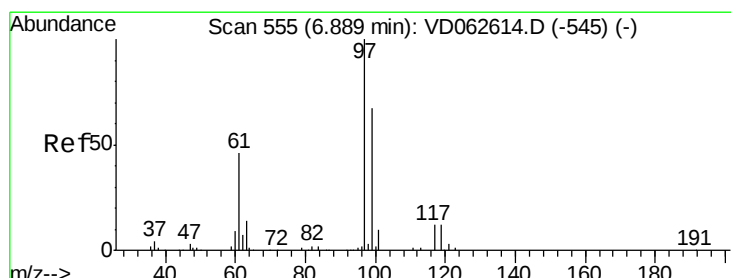
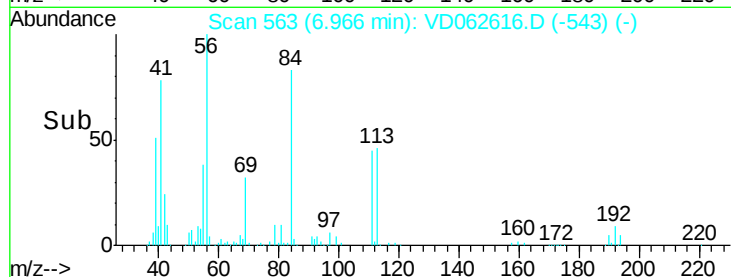
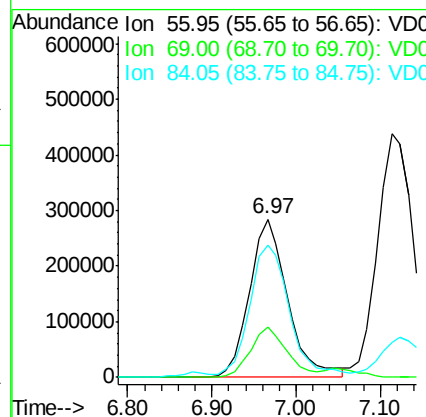
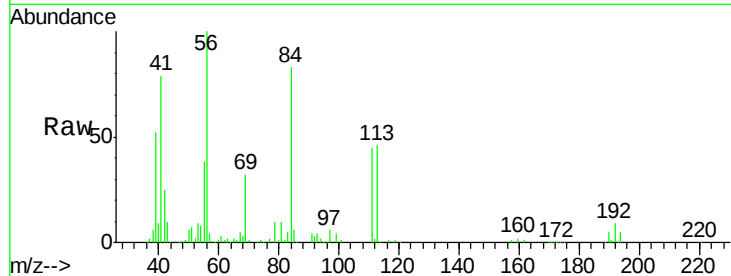
#31
Cyclohexane
Concen: 102.424 ug/l
RT: 6.97 min Scan# 563
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.0	34.4
84	83.5	66.0	99.0

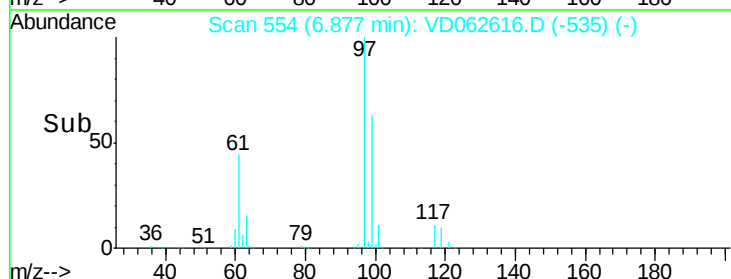
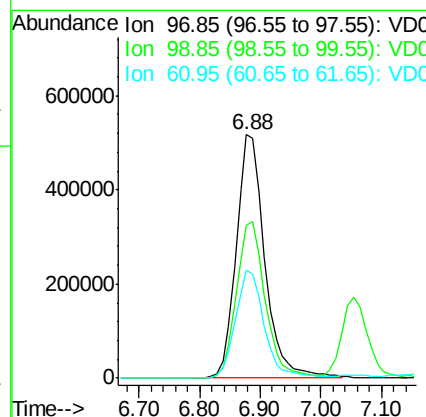
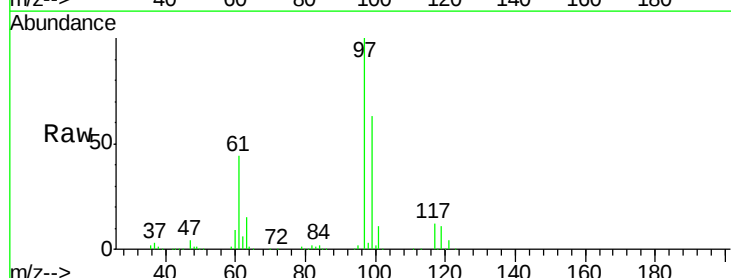
Manual Integrations
APPROVED

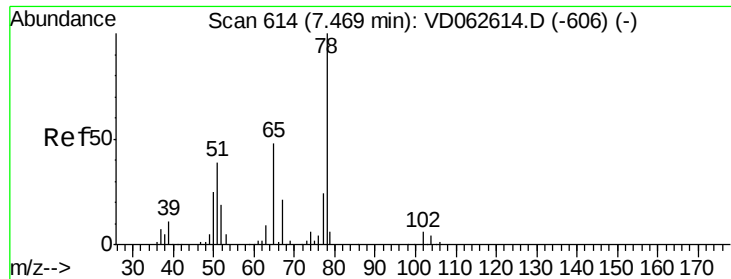
MMDadoda
6/6/2019 12:21:34 PM



#32
1,1,1-Trichloroethane
Concen: 97.322 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.01 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	53.4	80.0
61	44.4	36.7	55.1





#33

1,2-Dichloroethane-d4

Concen: 108.486 ug/l

RT: 7.47 min Scan# 614

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 1165776

Ion Ratio Lower Upper

65 100

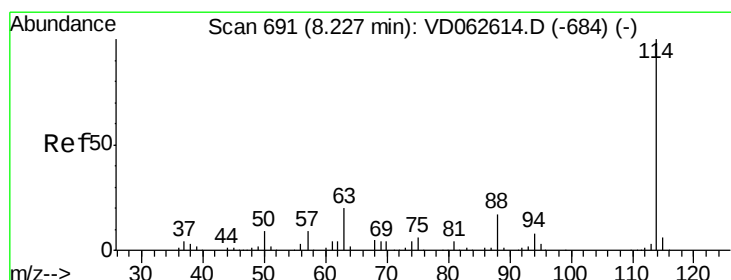
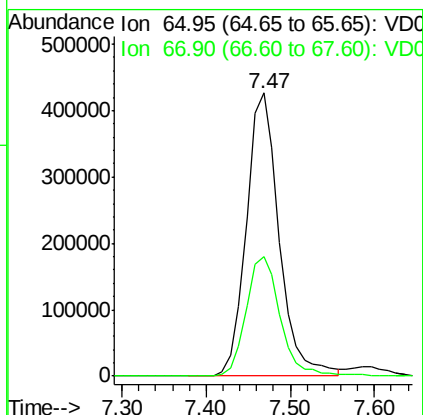
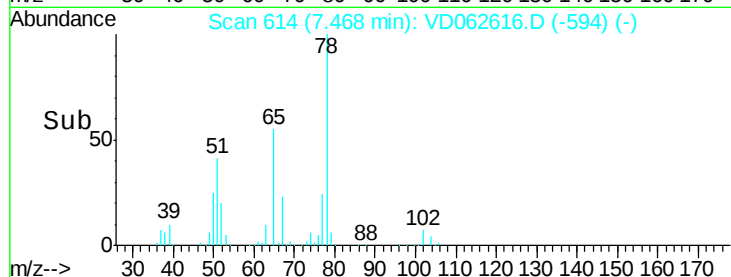
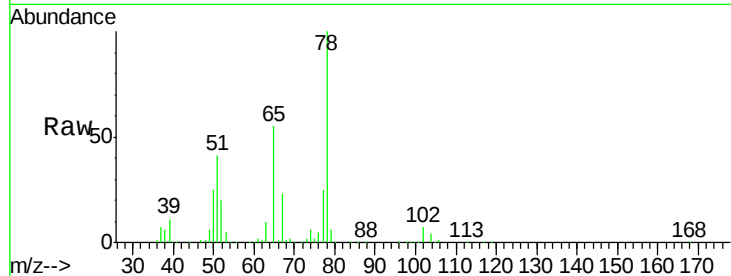
67 42.3 0.0 86.2

Manual Integrations

APPROVED

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6/6/2019 12:21:34 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

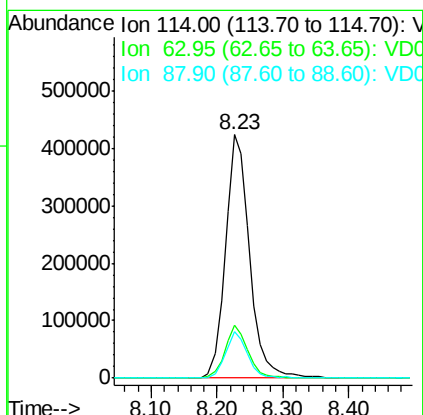
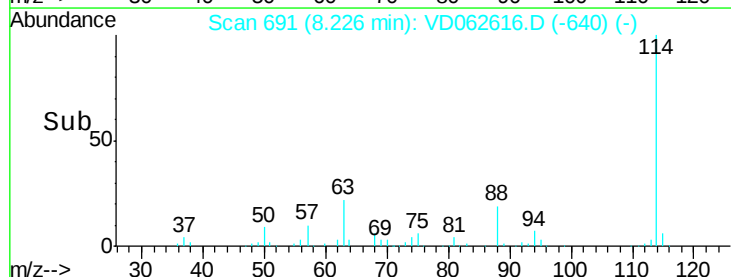
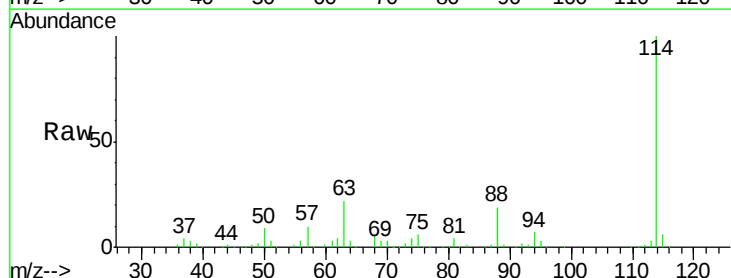
Tgt Ion: 114 Resp: 1081754

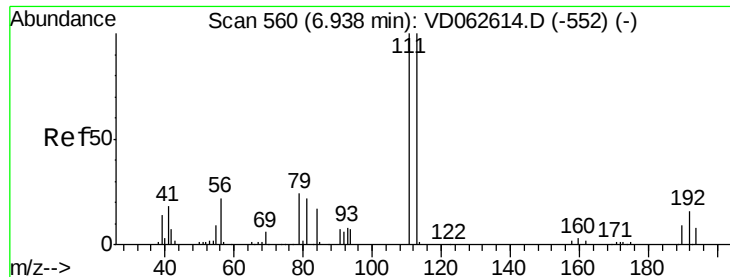
Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.0

88 18.9 0.0 34.2





#35

Dibromofluoromethane

Concen: 106.983 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:113 Resp: 1176223

Ion Ratio Lower Upper

113 100

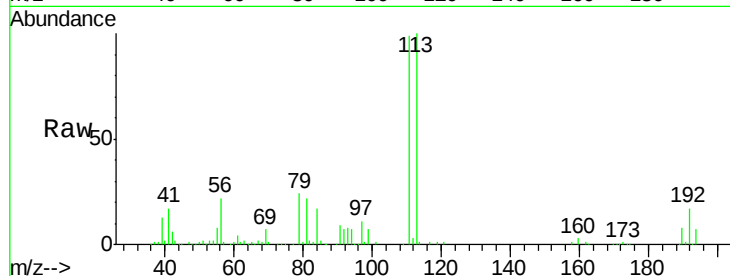
111 98.8 80.1 120.1

192 17.2 13.0 19.6

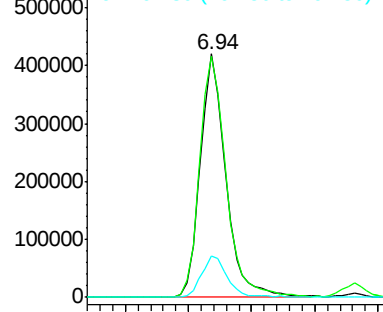
Manual Integrations
APPROVED

MMDadoda

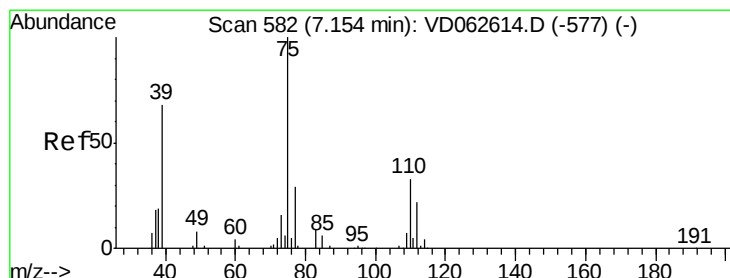
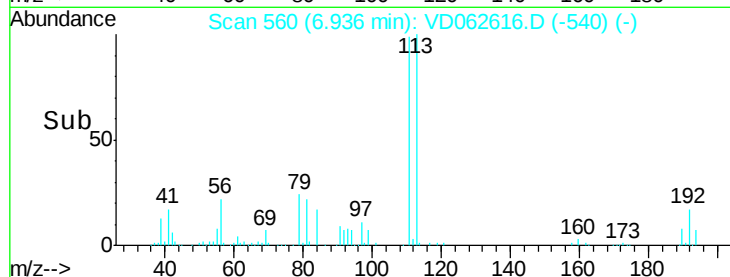
6/6/2019 12:21:34 PM



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



Time-->



#36

1,1-Dichloropropene

Concen: 94.091 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

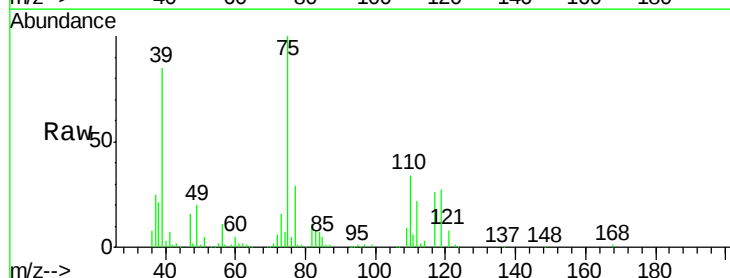
Tgt Ion: 75 Resp: 1094340

Ion Ratio Lower Upper

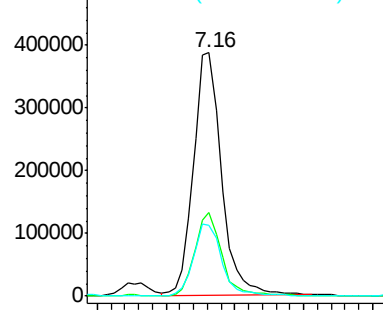
75 100

110 34.5 16.5 49.5

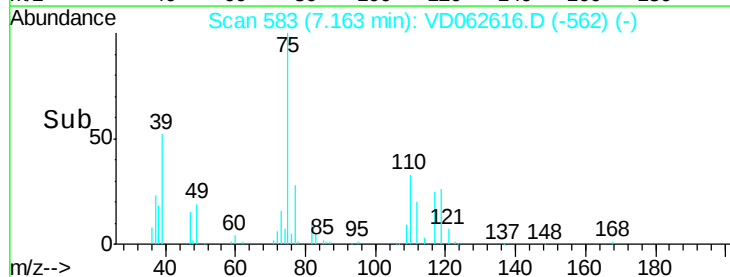
77 29.2 23.3 34.9

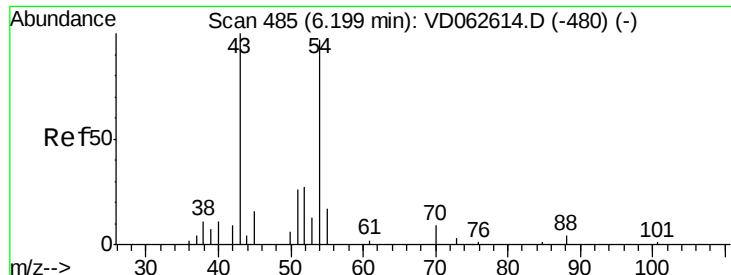


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC



Time-->





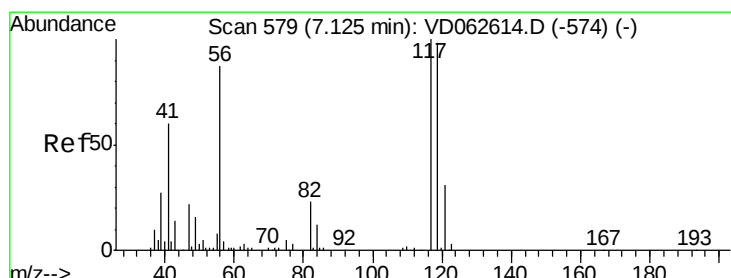
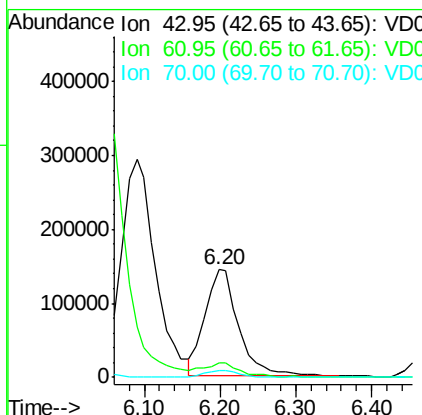
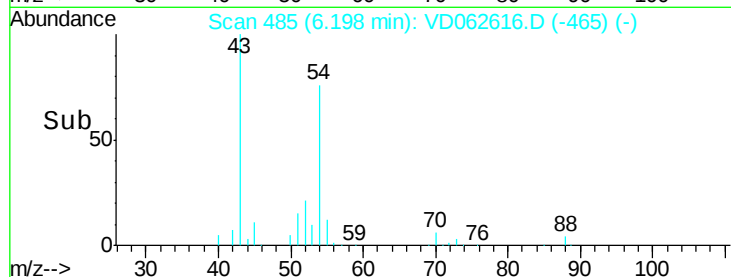
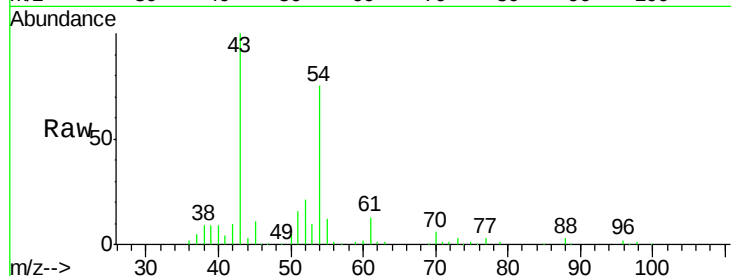
#37
Ethyl Acetate
Concen: 95.222 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 446919
Ion Ratio Lower Upper
43 100
61 13.3 8.8 13.2#
70 6.3 5.6 8.4

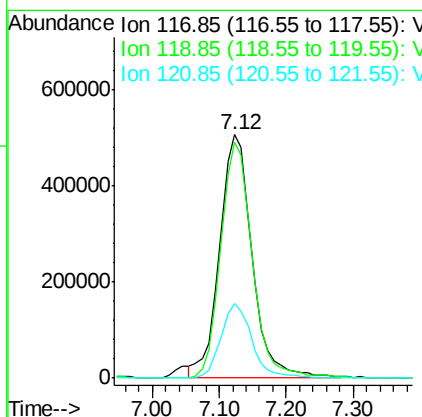
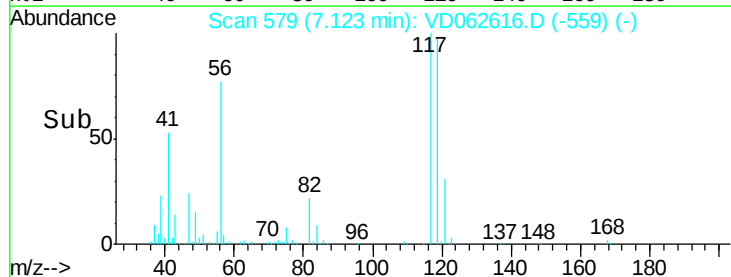
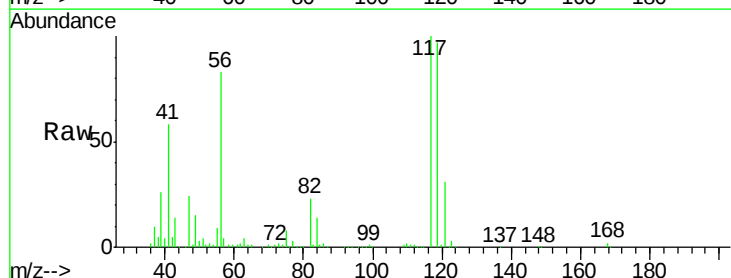
Manual Integrations
APPROVED

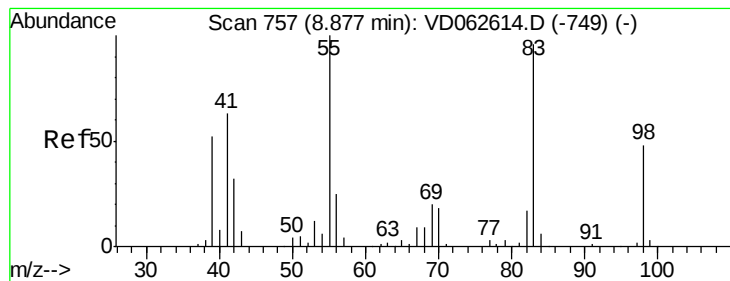
MMDadoda
6/6/2019 12:21:34 PM



#38
Carbon Tetrachloride
Concen: 97.223 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion: 117 Resp: 1714001
Ion Ratio Lower Upper
117 100
119 97.2 74.1 111.1
121 30.8 23.5 35.3





#39

Methvlcvclohexane

Concen: 96.874 ug/l

RT: 8.88 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

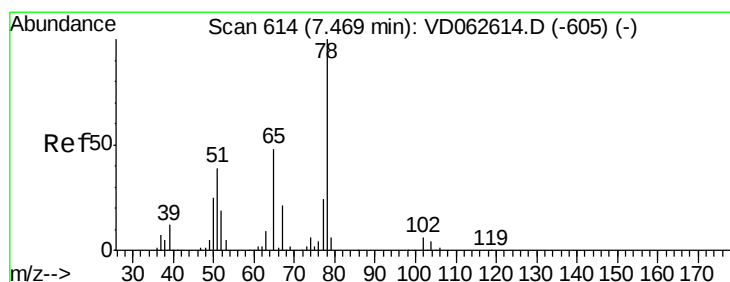
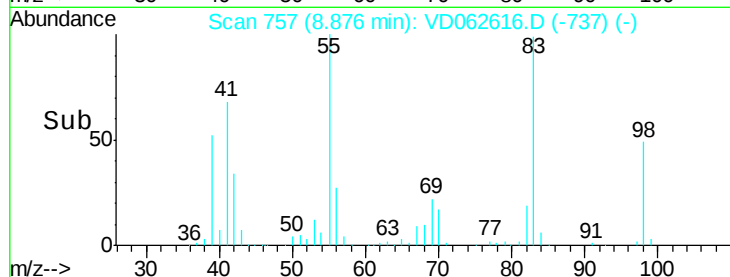
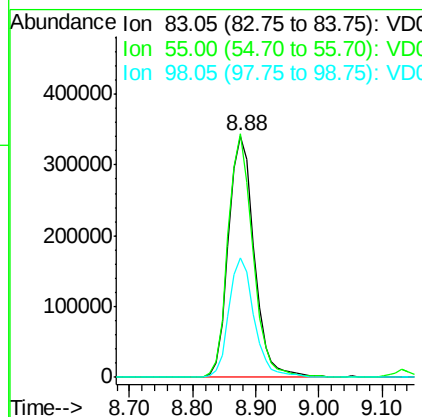
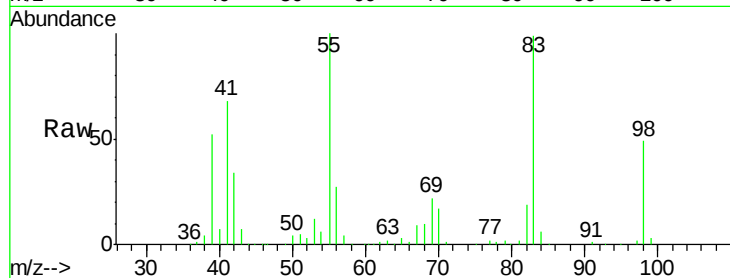
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	963304
Ion	Ratio	Lower	Upper
83	100		
55	100.9	83.2	124.8
98	49.5	39.8	59.8

Manual Integrations
APPROVED

MMDadoda
6/6/2019 12:21:34 PM



#40

Benzene

Concen: 95.827 ug/l

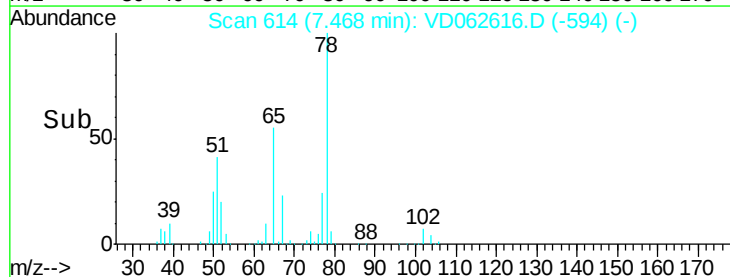
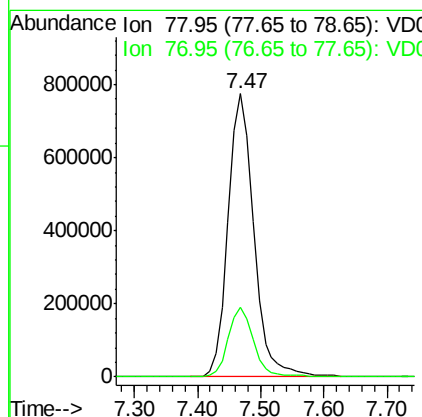
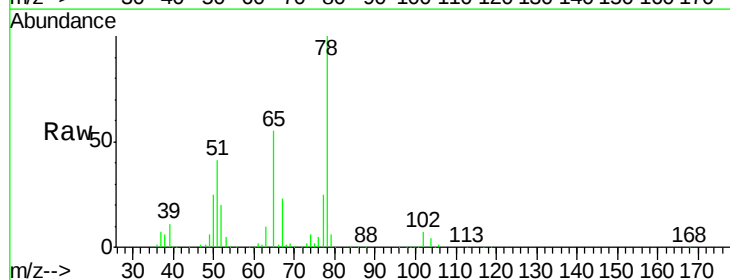
RT: 7.47 min Scan# 614

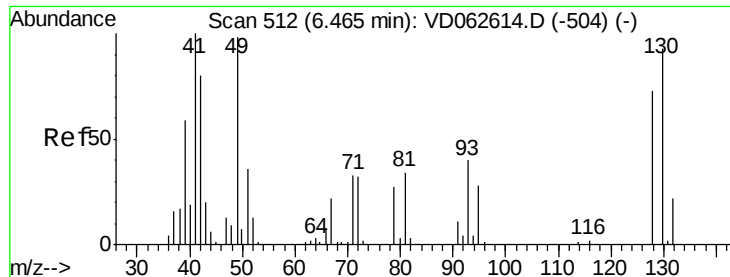
Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Tgt Ion:	78	Resp:	2201253
Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.5	29.3





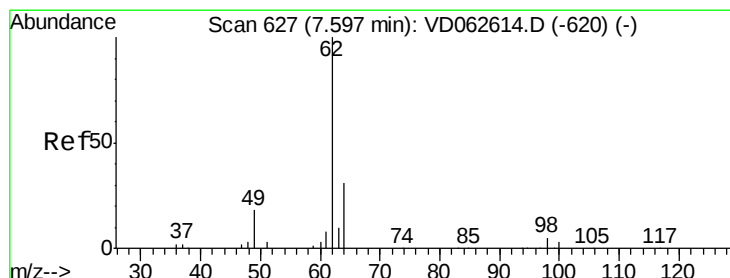
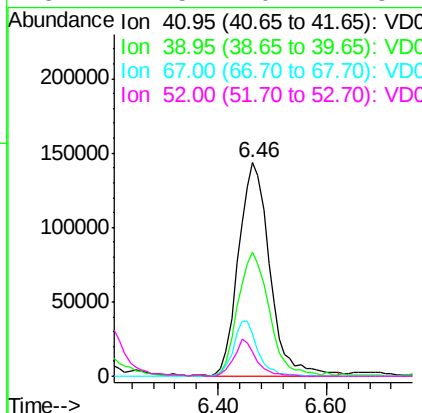
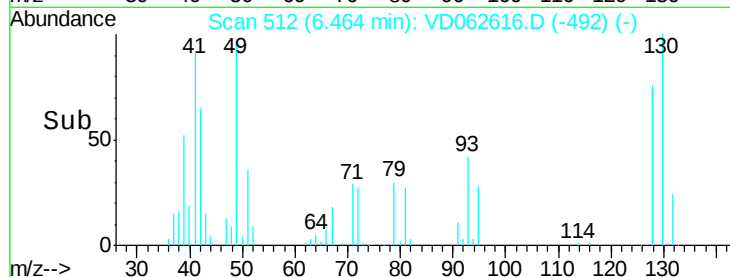
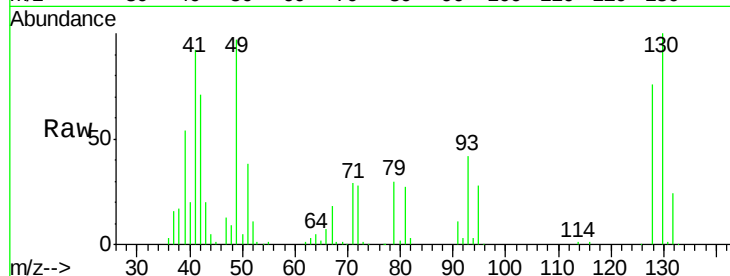
#41
Methacrylonitrile
Concen: 95.026 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
577567	41	100		
	39	58.1	47.5	71.3
	67	19.7	17.8	26.6
	52	11.5	10.2	15.4

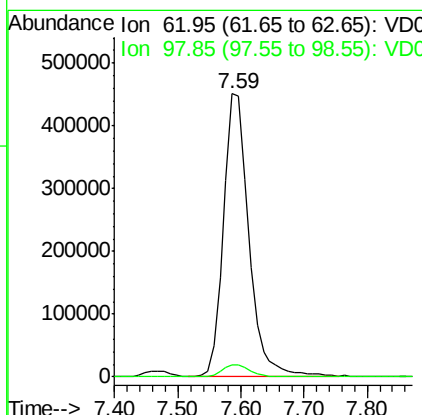
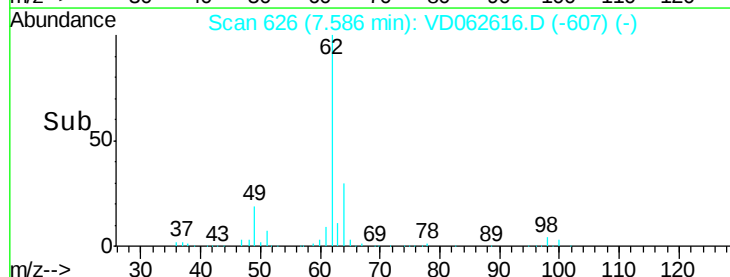
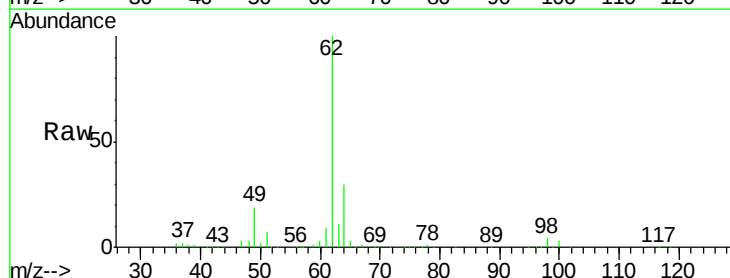
Manual Integrations
APPROVED

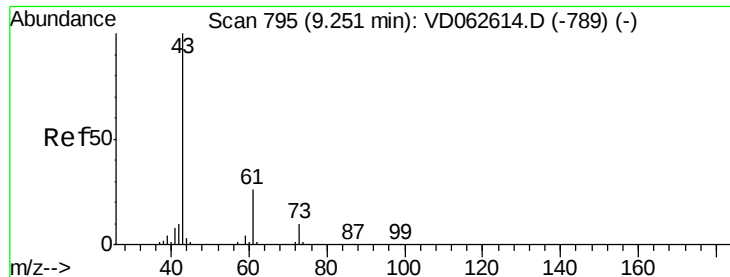
MMDadoda
6/6/2019 12:21:34 PM



#42
1,2-Dichloroethane
Concen: 93.011 ug/l
RT: 7.59 min Scan# 626
Delta R.T. -0.01 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion	Ion	Ratio	Lower	Upper
1257597	62	100		
	98	4.3	0.0	10.2





#43

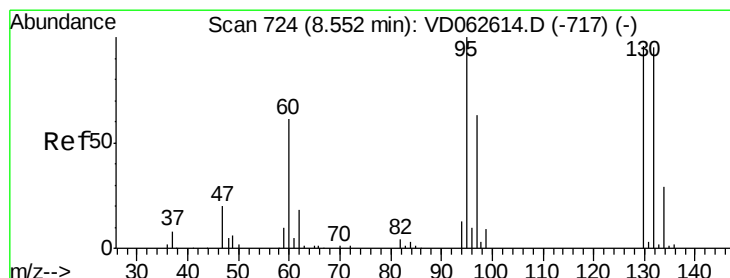
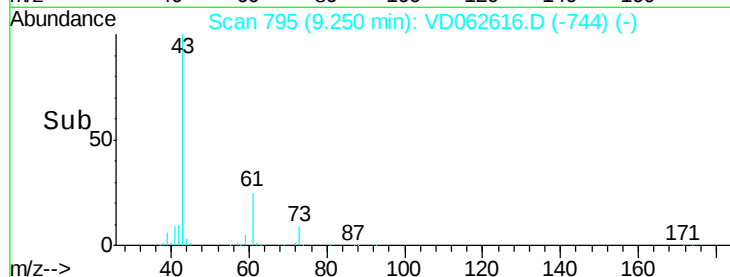
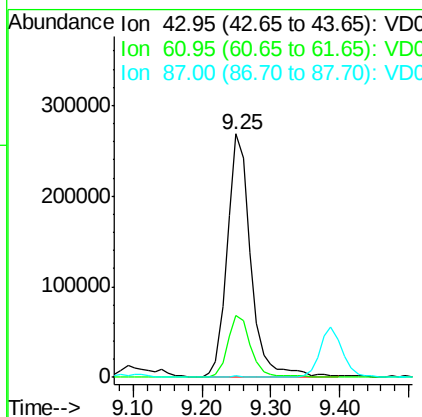
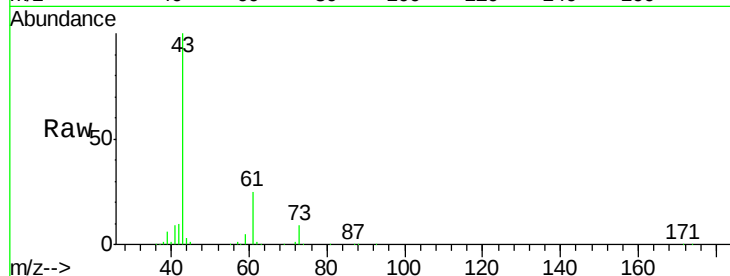
Isopropyl Acetate
 Concen: 97.549 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.2	21.0	31.6
87	0.5	0.2	0.4

Manual Integrations
 APPROVED

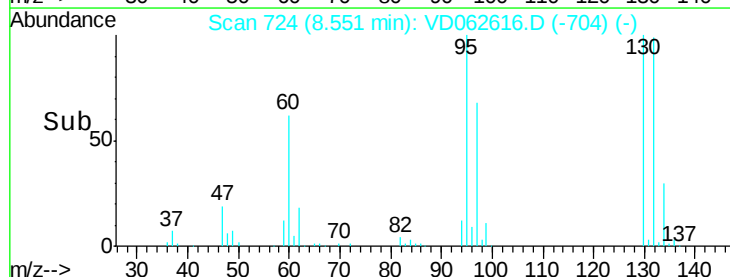
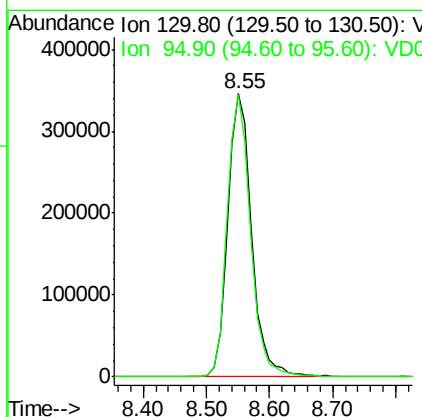
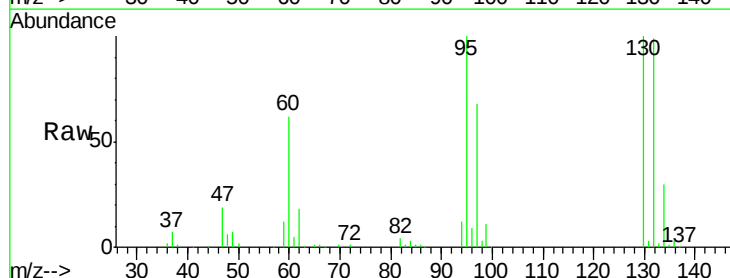
MMDadoda
 6/6/2019 12:21:34 PM

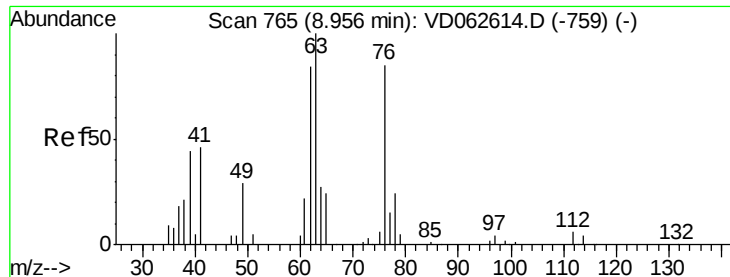


#44

Trichloroethene
 Concen: 96.552 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	208.2





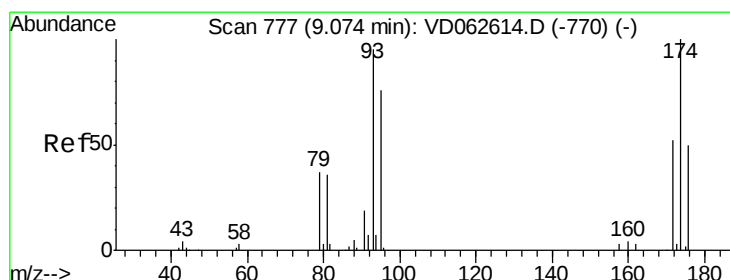
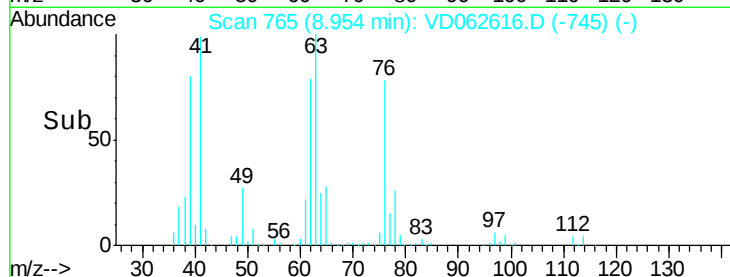
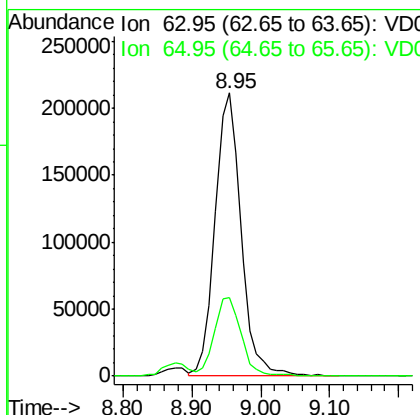
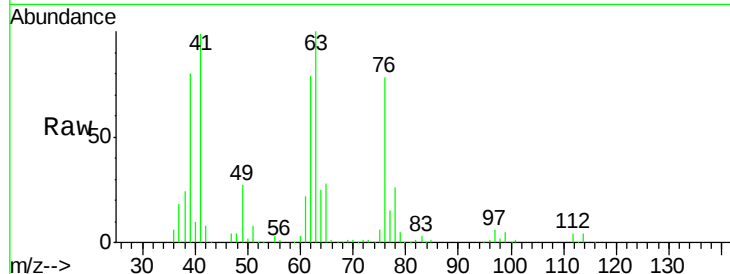
#45
 1,2-Dichloropropane
 Concen: 95.724 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 550611
 Ion Ratio Lower Upper
 63 100
 65 27.8 21.7 32.5

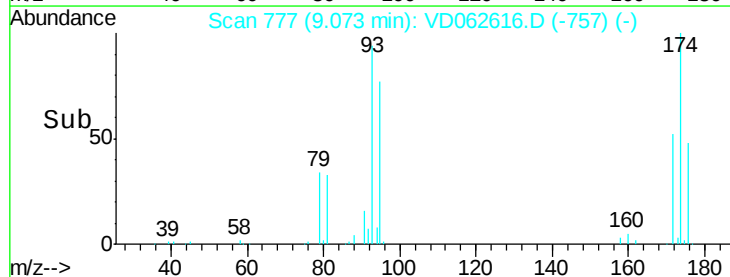
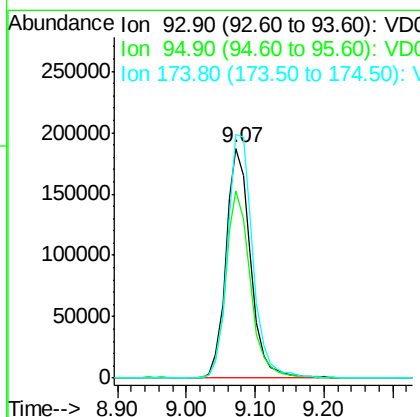
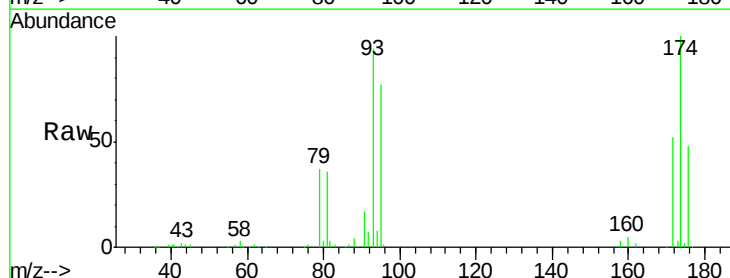
Manual Integrations
 APPROVED

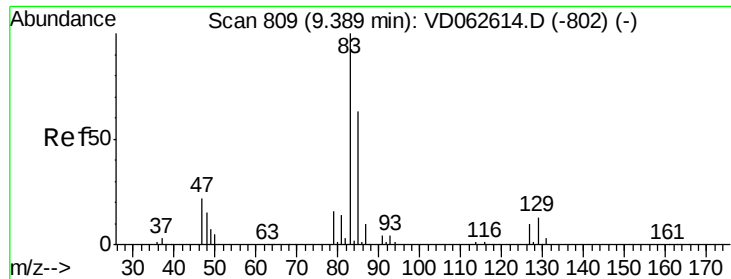
MMDadoda
 6/6/2019 12:21:34 PM



#46
 Dibromomethane
 Concen: 91.685 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion: 93 Resp: 458812
 Ion Ratio Lower Upper
 93 100
 95 81.4 64.2 96.2
 174 105.9 84.1 126.1





#47

Bromodichloromethane

Concen: 96.720 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1303664

Ion Ratio Lower Upper

83 100

85 63.2 50.2 75.4

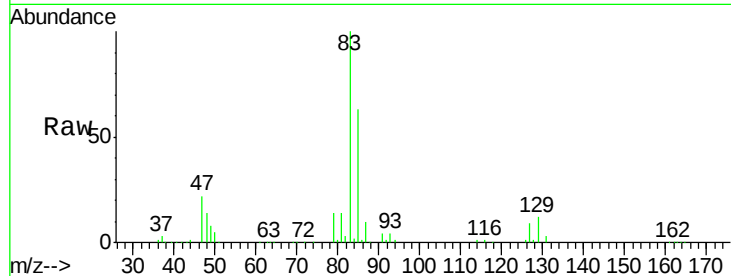
127 9.4 7.9 11.9

Manual Integrations

APPROVED

MMDadoda

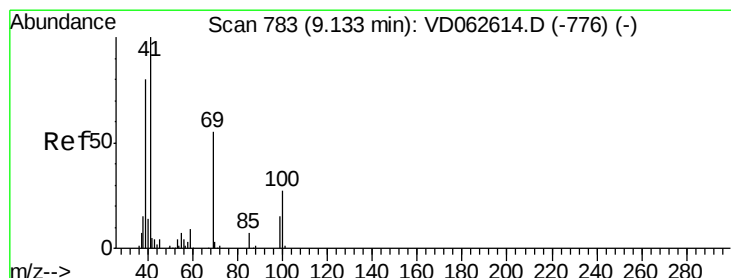
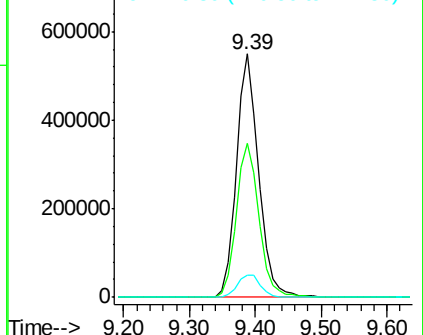
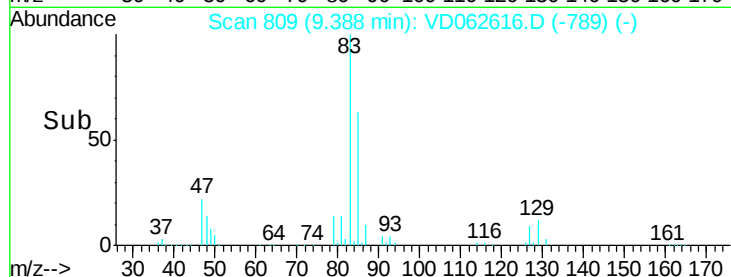
6/6/2019 12:21:34 PM



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 94.265 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

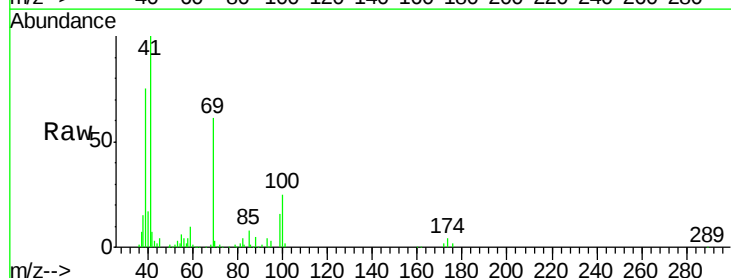
Tgt Ion: 41 Resp: 413552

Ion Ratio Lower Upper

41 100

69 61.1 43.8 65.8

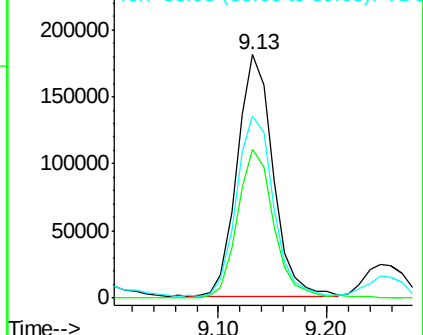
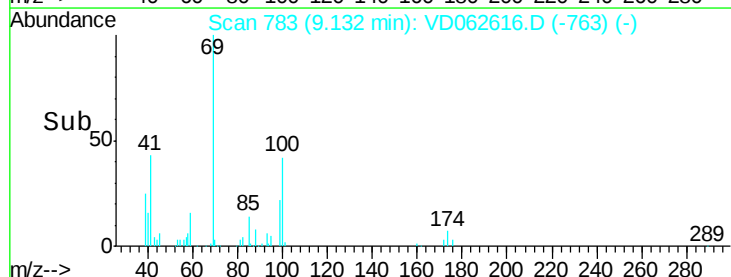
39 74.7 64.0 96.0

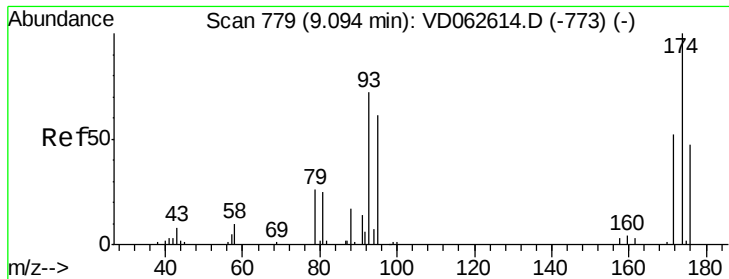


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





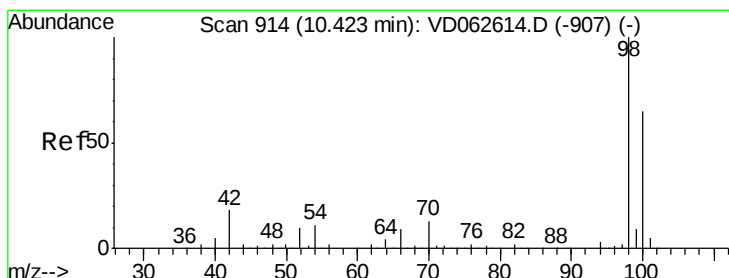
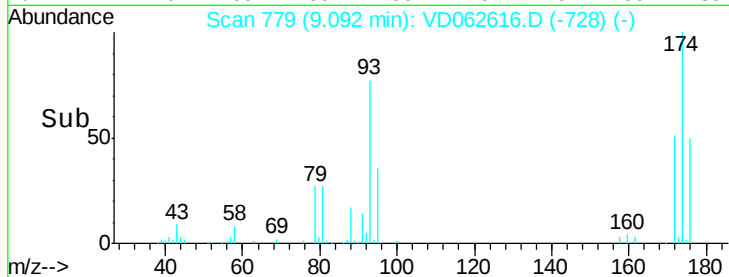
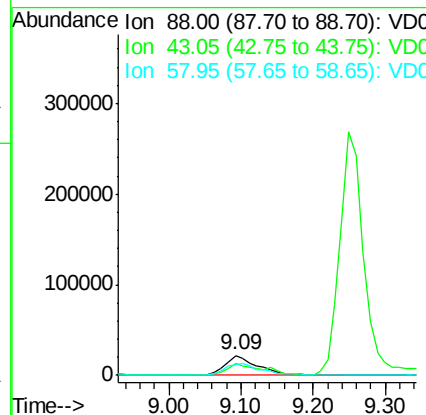
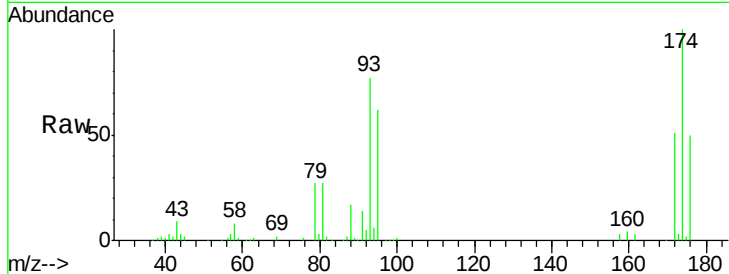
#49
1,4-Dioxane
Concen: 2000.657 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	57.0	39.3	58.9
58	50.7	45.3	67.9

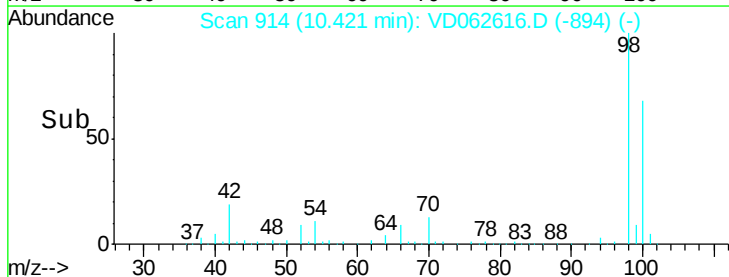
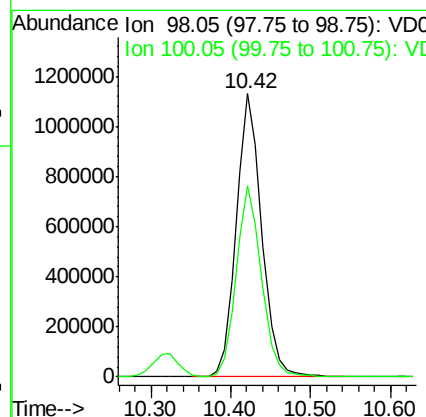
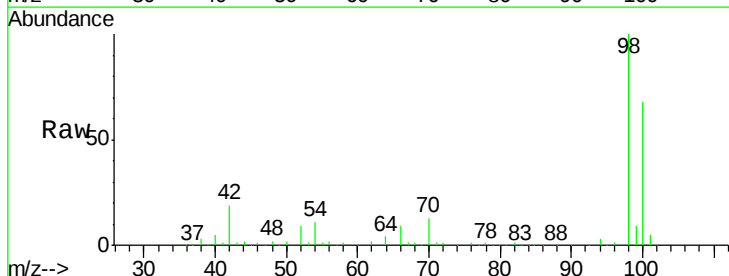
Manual Integrations
APPROVED

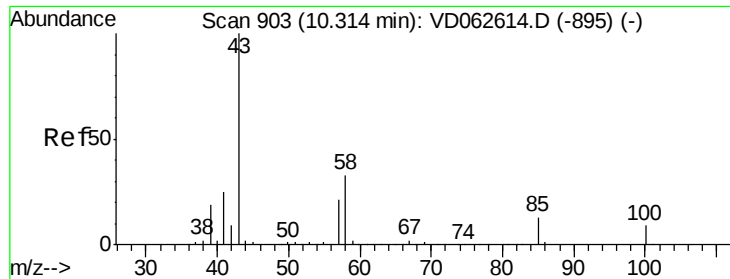
MMDadoda
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#50
Toluene-d8
Concen: 106.269 ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.8	52.8	79.2





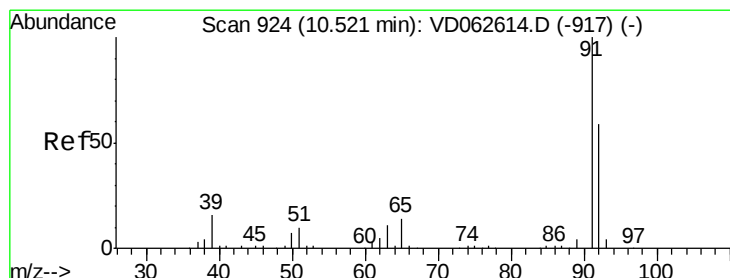
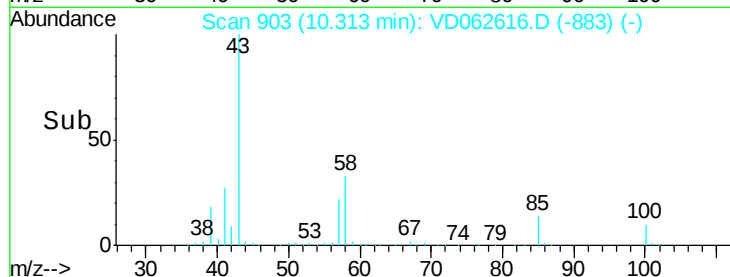
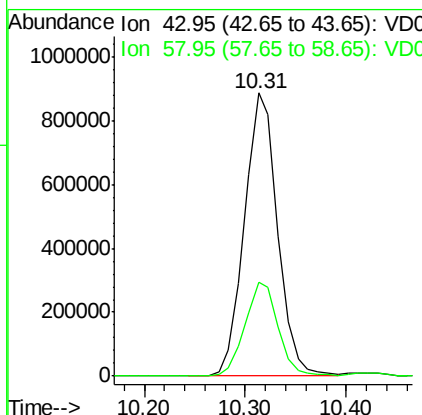
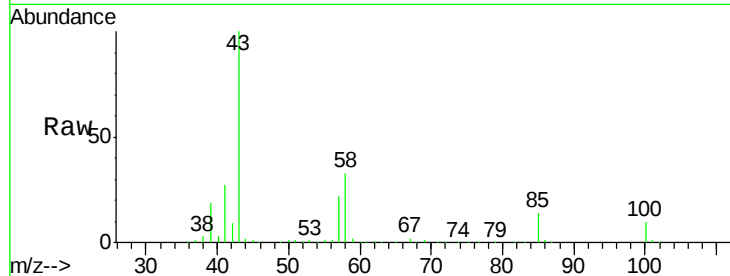
#51
4-Methyl-2-Pentanone
Concen: 483.773 ug/l
RT: 10.31 min Scan# 903
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2032052
Ion Ratio Lower Upper
43 100
58 33.4 26.8 40.2

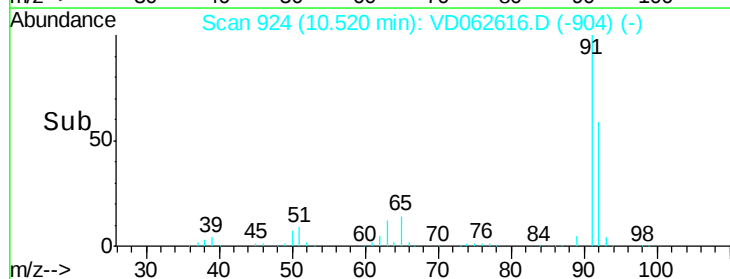
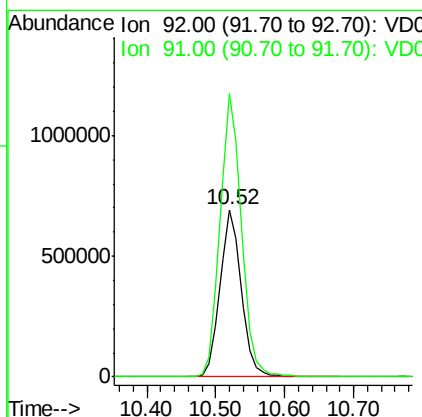
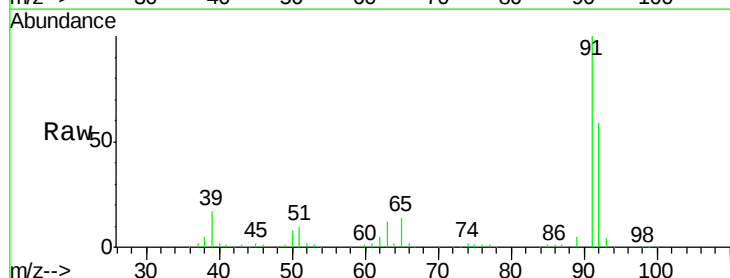
Manual Integrations
APPROVED

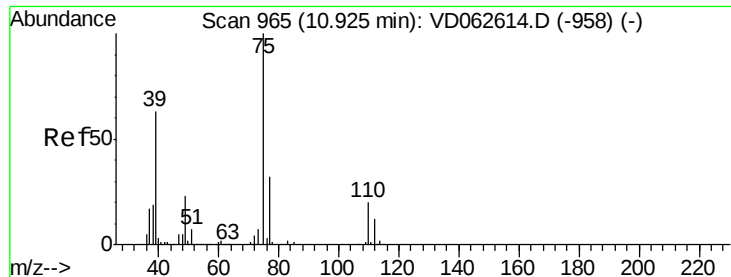
MMDadoda
6/6/2019 12:21:34 PM



#52
Toluene
Concen: 97.505 ug/l
RT: 10.52 min Scan# 924
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion: 92 Resp: 1485601
Ion Ratio Lower Upper
92 100
91 169.1 134.7 202.1





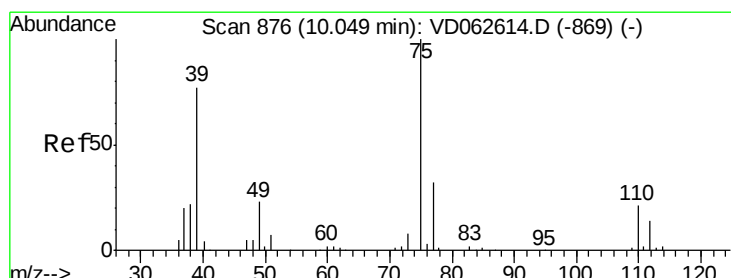
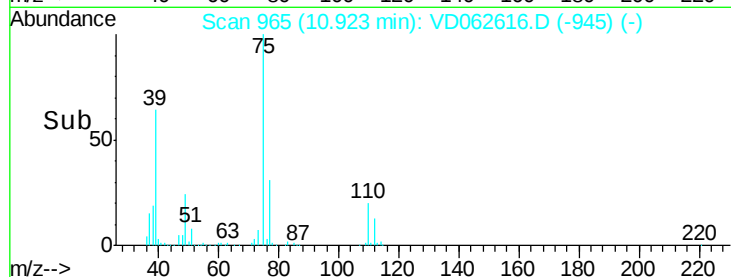
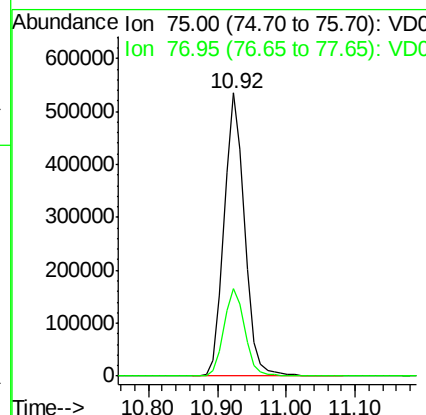
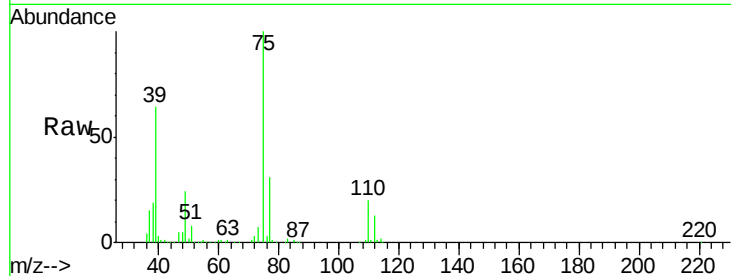
#53
t-1,3-Dichloropropene
Concen: 98.203 ug/l
RT: 10.92 min Scan# 965
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 1099045
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.2

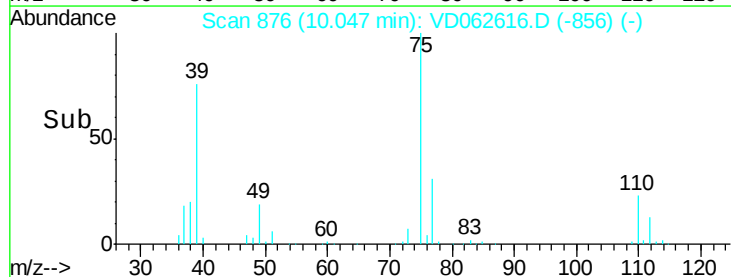
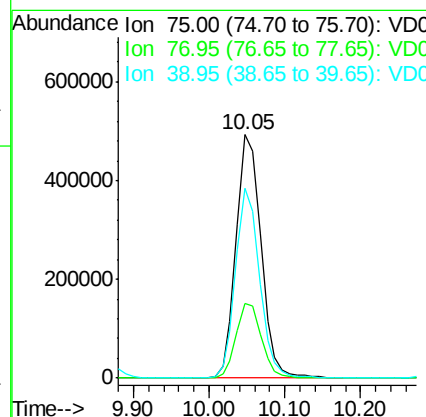
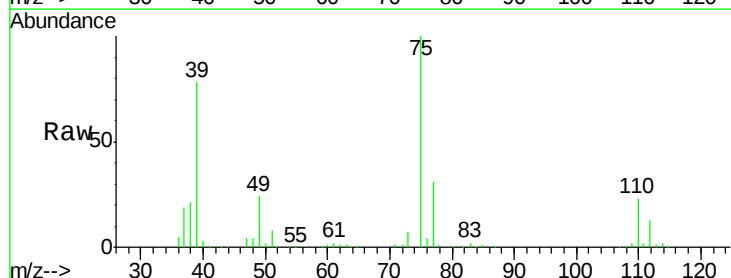
Manual Integrations
APPROVED

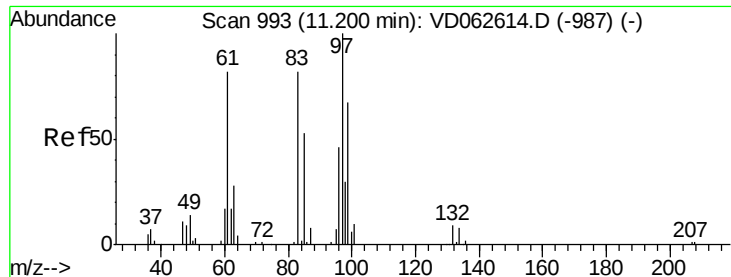
MMDadoda
6/6/2019 12:21:34 PM



#54
cis-1,3-Dichloropropene
Concen: 98.752 ug/l
RT: 10.05 min Scan# 876
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion: 75 Resp: 1125453
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4
39 78.0 61.2 91.8





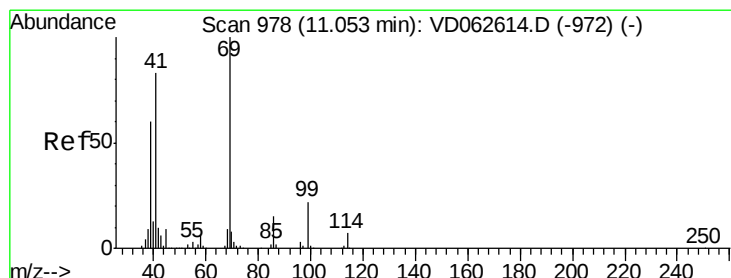
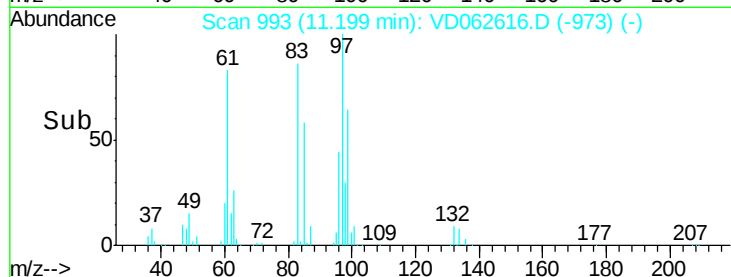
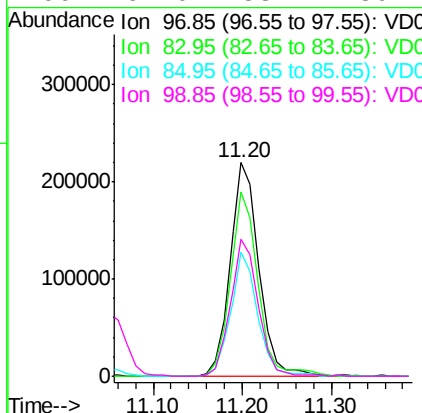
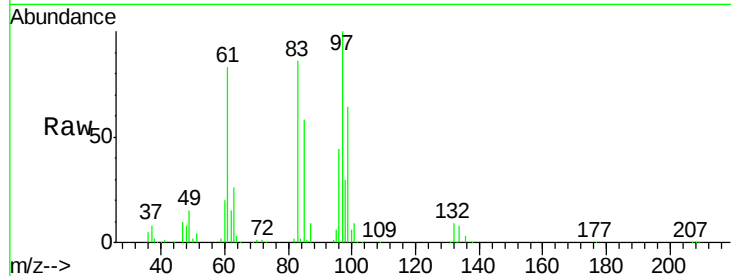
#55
1,1,2-Trichloroethane
Concen: 94.631 ug/l
RT: 11.20 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	97	Resp	494656
Ion	Ratio	Lower	Upper
97	100		
83	86.4	65.9	98.9
85	58.4	42.6	63.8
99	64.0	53.4	80.2

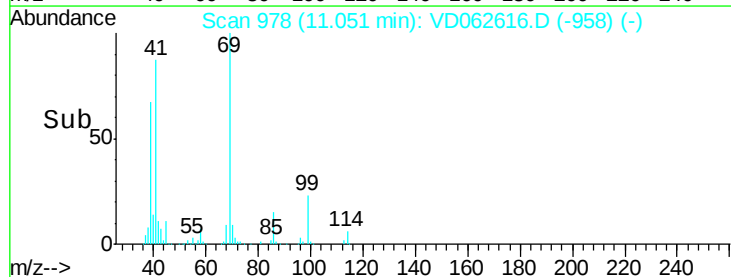
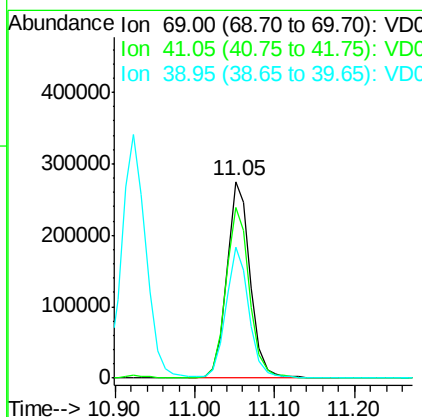
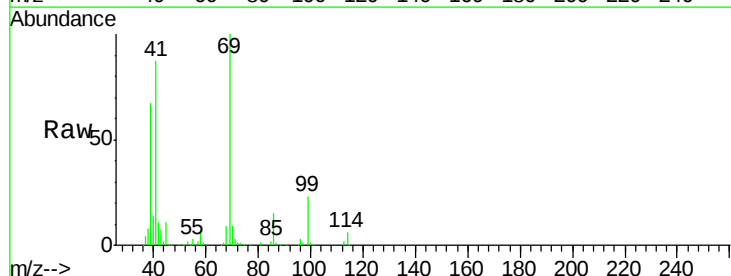
Manual Integrations
APPROVED

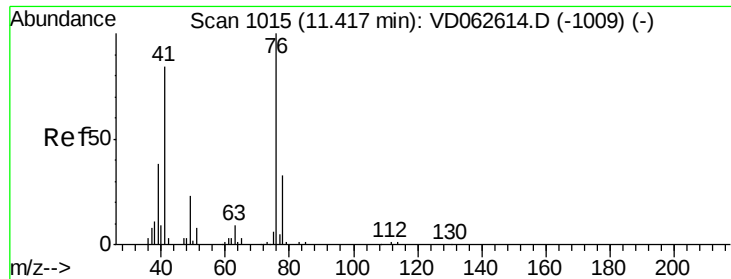
MMDadoda
6/6/2019 12:21:34 PM



#56
Ethyl methacrylate
Concen: 97.273 ug/l
RT: 11.05 min Scan# 978
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion	69	Resp	566681
Ion	Ratio	Lower	Upper
69	100		
41	87.2	66.3	99.5
39	66.9	48.3	72.5





#57

1,3-Dichloropropane

Concen: 93.282 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 761287

Ion Ratio Lower Upper

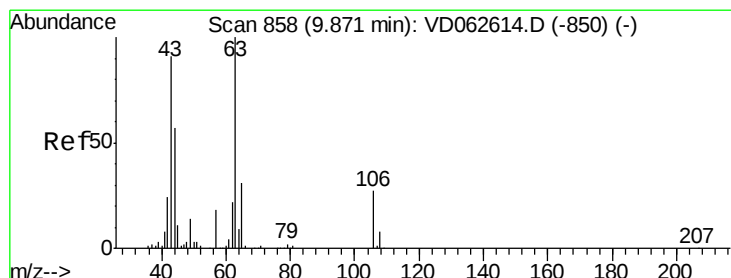
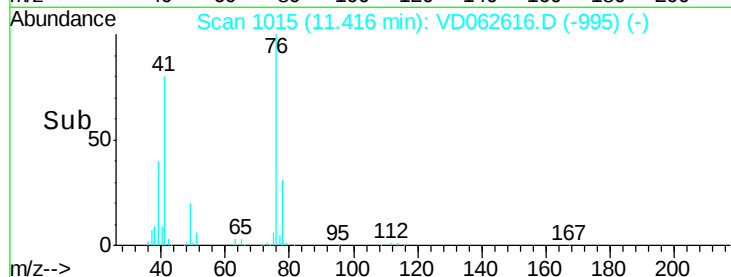
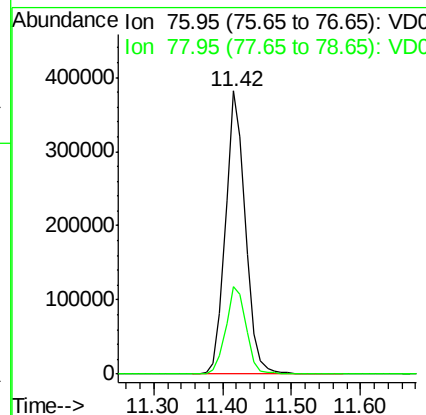
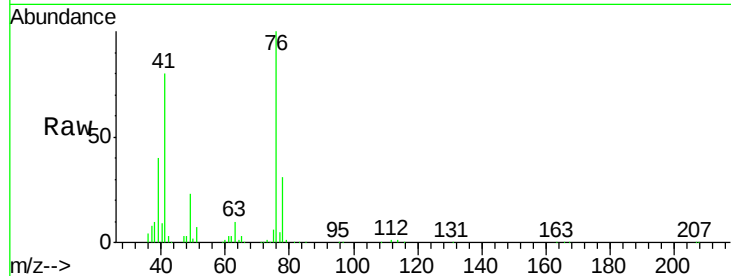
76 100

78 31.0 26.4 39.6

Manual Integrations
APPROVED

MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 483.786 ug/l

RT: 9.87 min Scan# 858

Delta R.T. -0.00 min

Lab File: VD062616.D

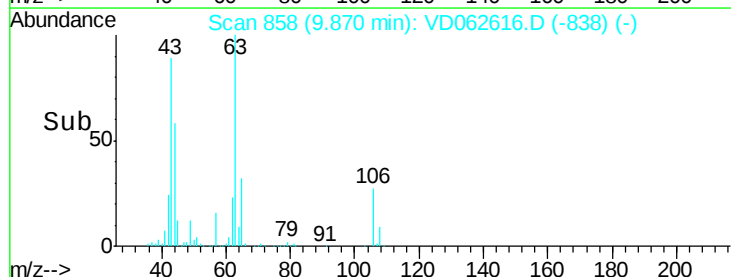
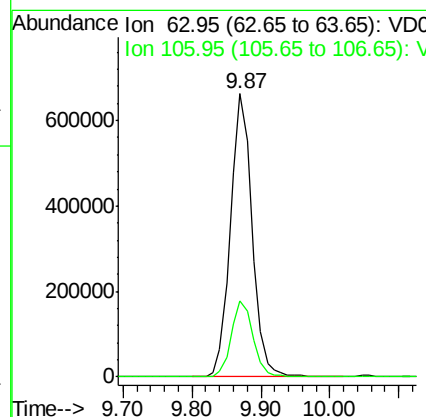
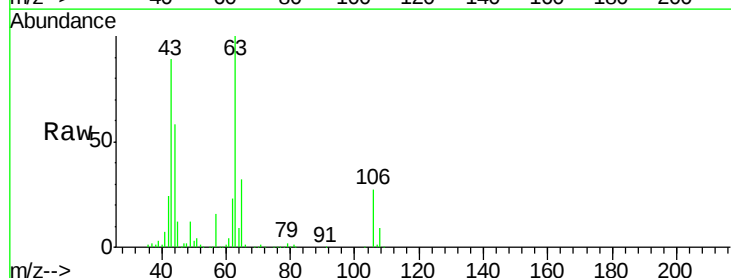
Acq: 5 Jun 2019 16:35

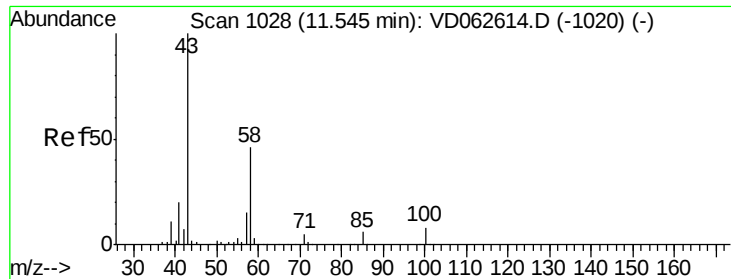
Tgt Ion: 63 Resp: 1445529

Ion Ratio Lower Upper

63 100

106 27.0 21.3 31.9





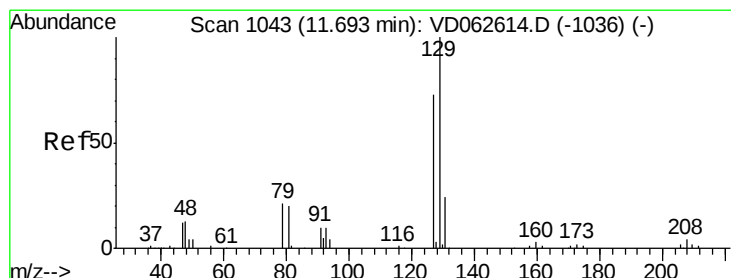
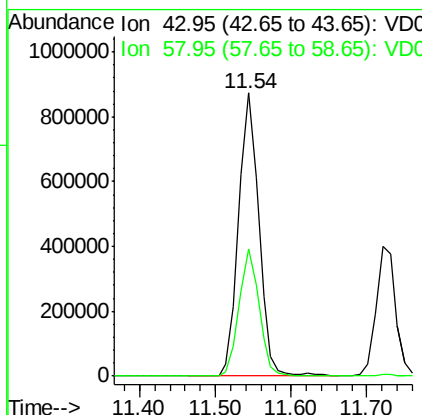
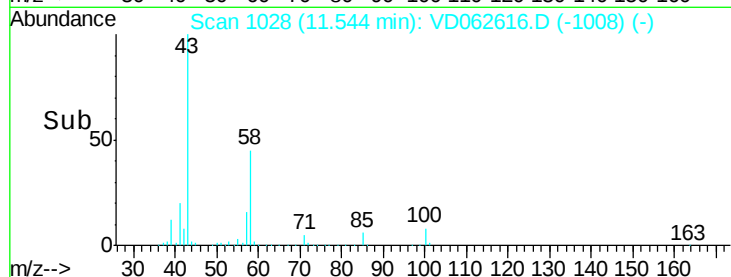
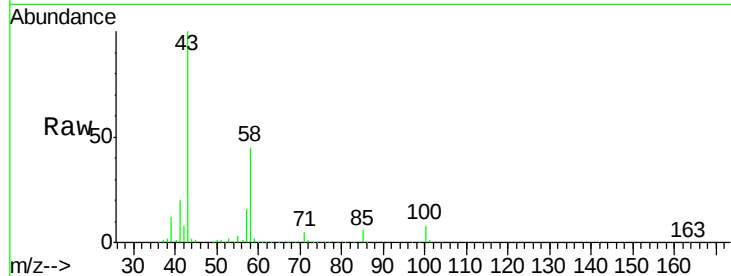
#59
2-Hexanone
Concen: 508.149 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion: 43 Resp: 1618432
Ion Ratio Lower Upper
43 100
58 45.0 22.8 68.3

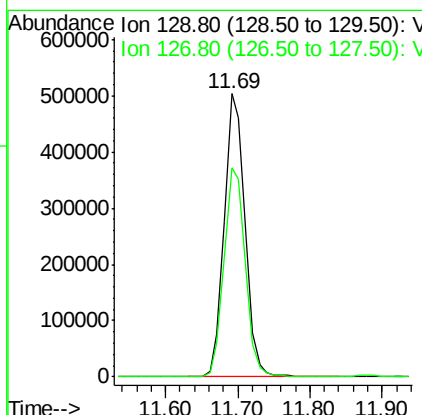
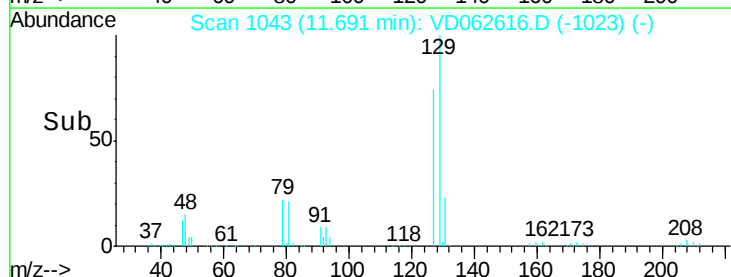
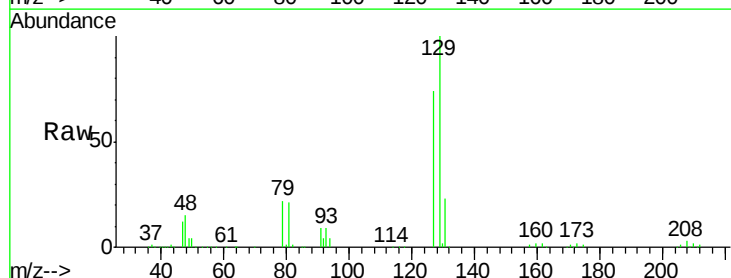
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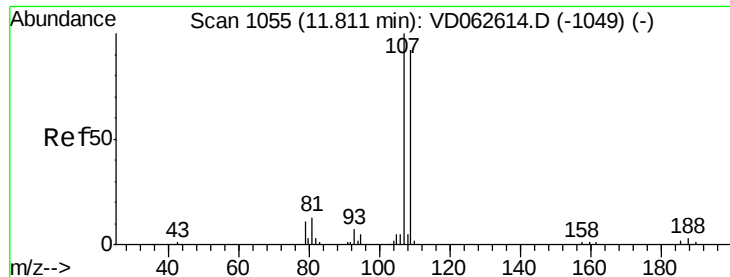
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#60
Dibromochloromethane
Concen: 98.194 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion:129 Resp: 1002949
Ion Ratio Lower Upper
129 100
127 74.1 36.6 109.9





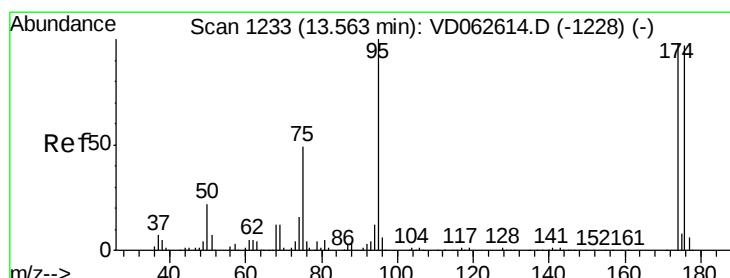
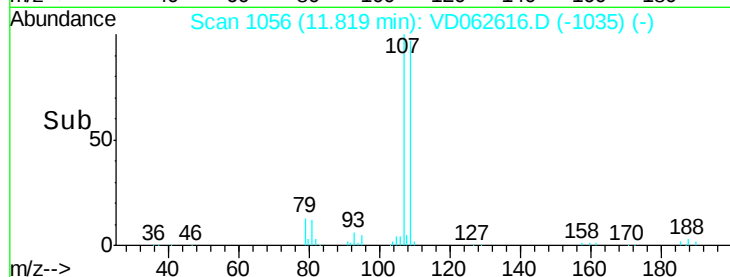
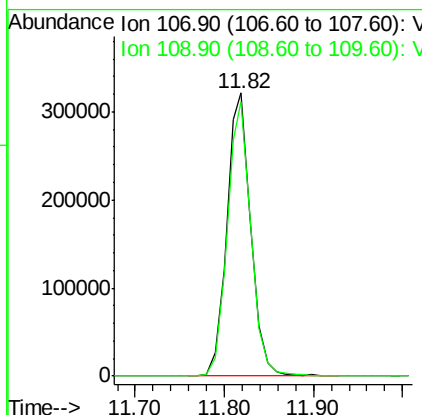
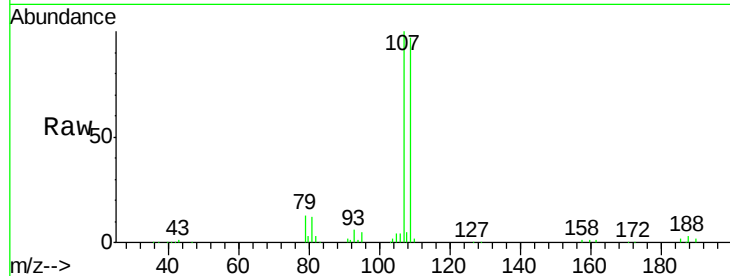
#61
 1,2-Dibromoethane
 Concen: 94.946 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:107 Resp: 607860
 Ion Ratio Lower Upper
 107 100
 109 96.8 73.8 110.8

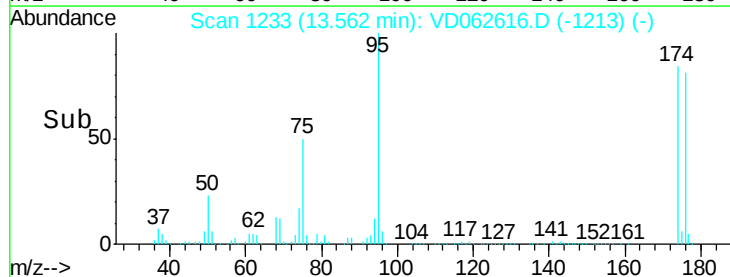
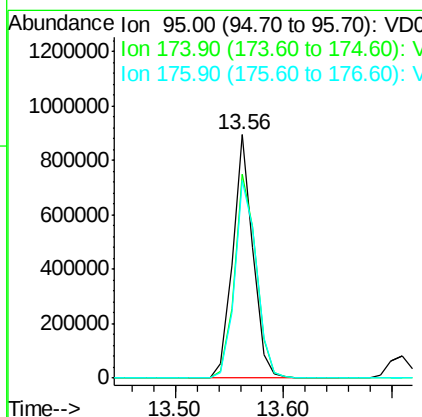
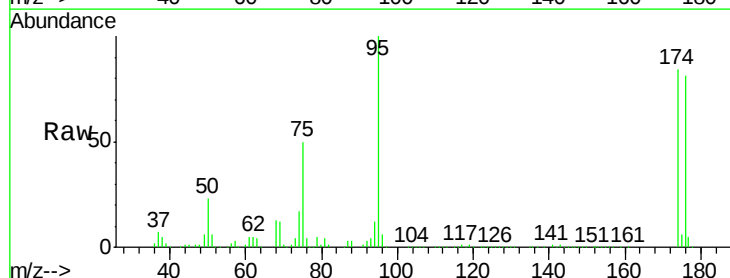
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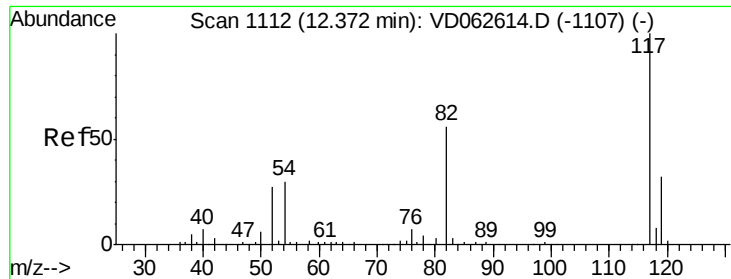
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#62
 4-Bromofluorobenzene
 Concen: 103.638 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion: 95 Resp: 1157212
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 195.8
 176 81.4 0.0 193.2





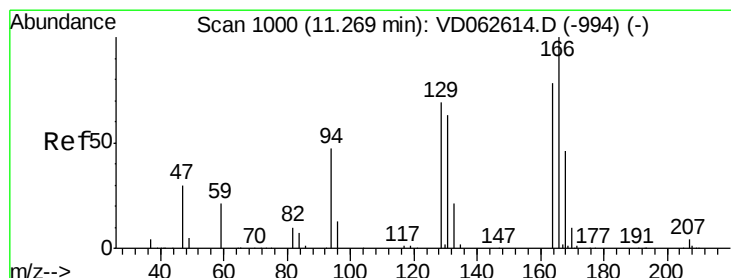
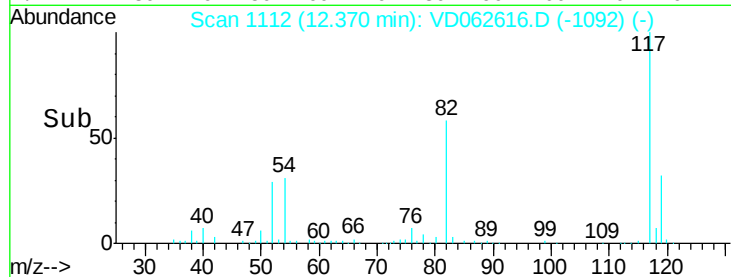
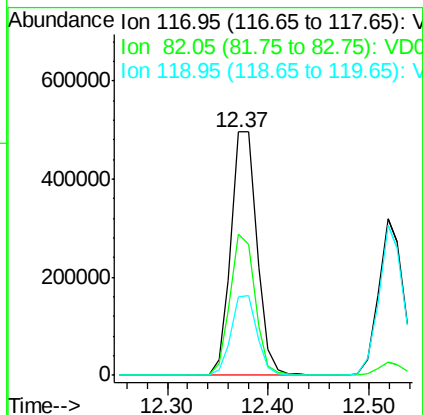
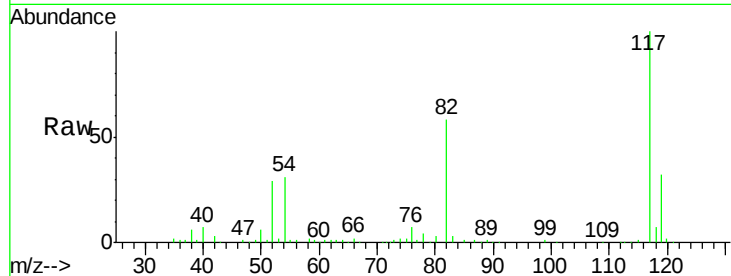
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.0	67.6
119	32.4	25.7	38.5

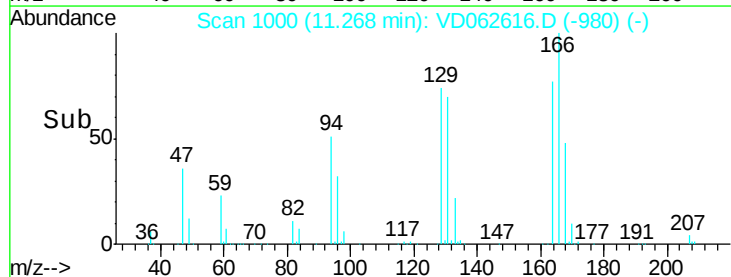
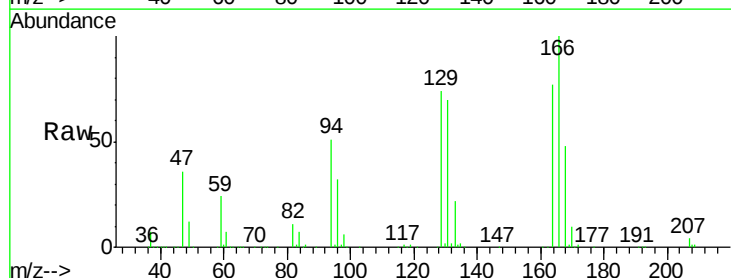
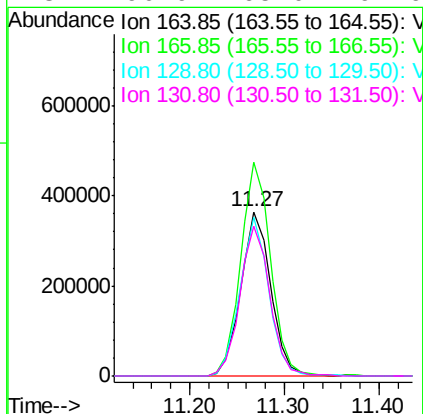
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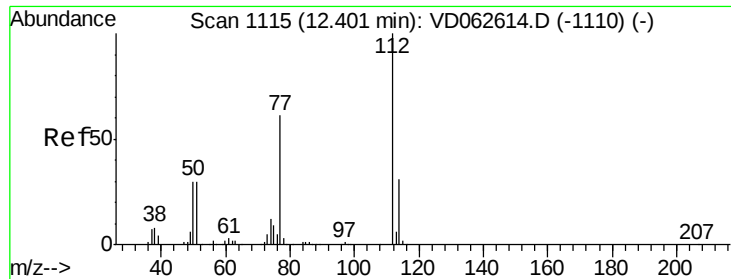
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#64
Tetrachloroethene
Concen: 98.604 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	102.6	153.8
129	96.5	70.3	105.5
131	90.9	65.0	97.6





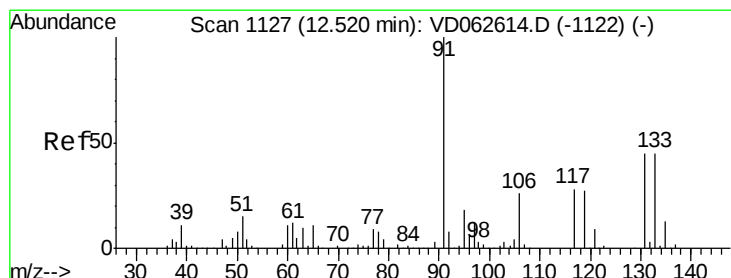
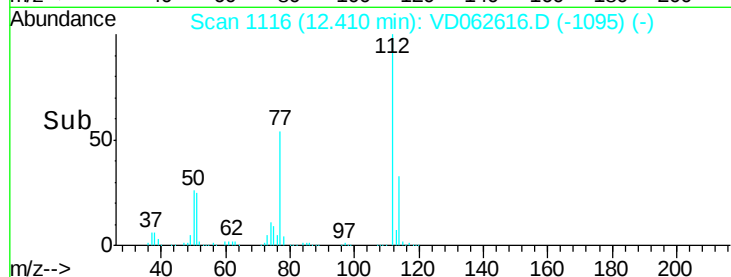
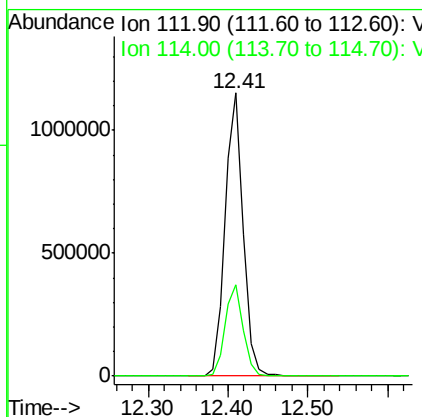
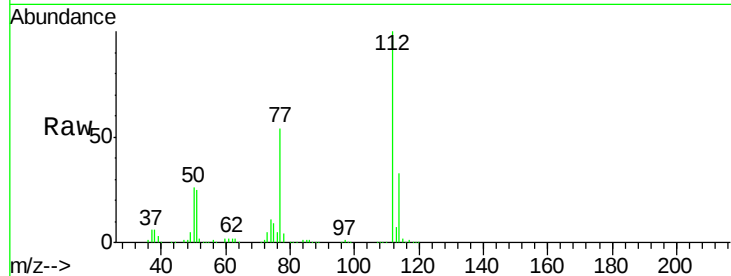
#65
Chlorobenzene
Concen: 99.008 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1842736
Ion Ratio Lower Upper
112 100
114 32.5 25.0 37.6

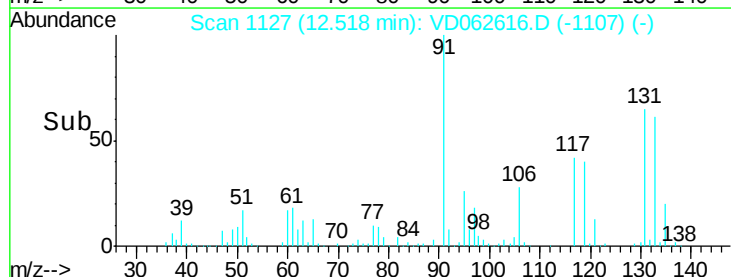
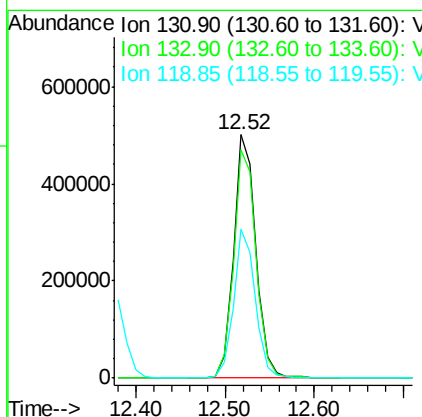
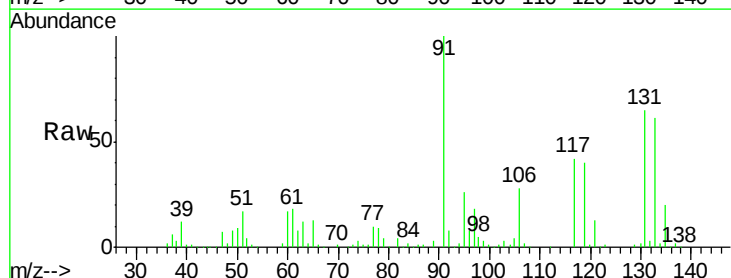
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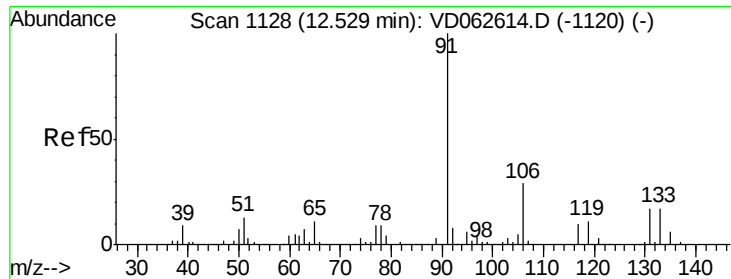
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#66
1,1,1,2-Tetrachloroethane
Concen: 97.475 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion:131 Resp: 872086
Ion Ratio Lower Upper
131 100
133 94.0 50.1 150.4
119 61.2 30.1 90.3





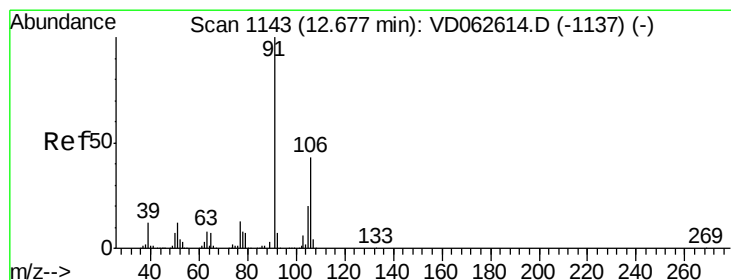
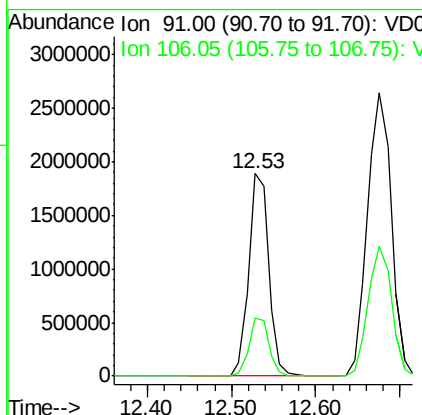
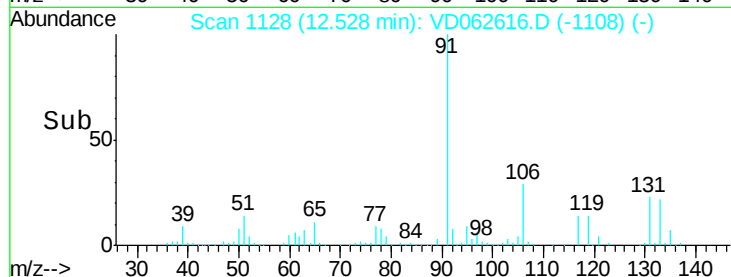
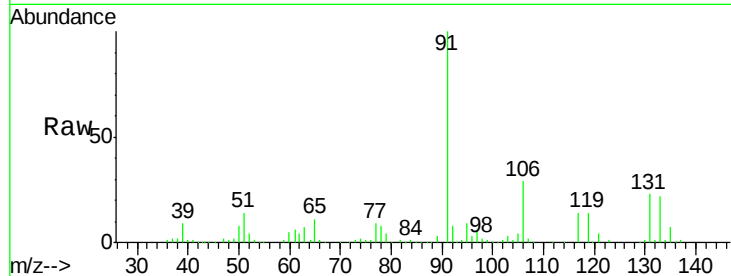
#67
Ethyl Benzene
Concen: 93.818 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 3155980
Ion Ratio Lower Upper
91 100
106 28.7 23.0 34.4

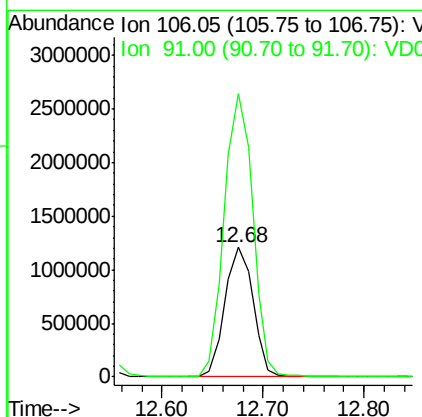
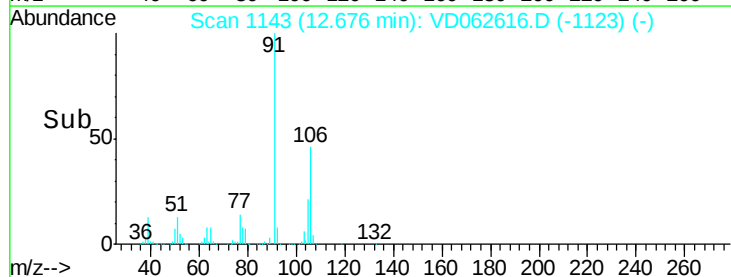
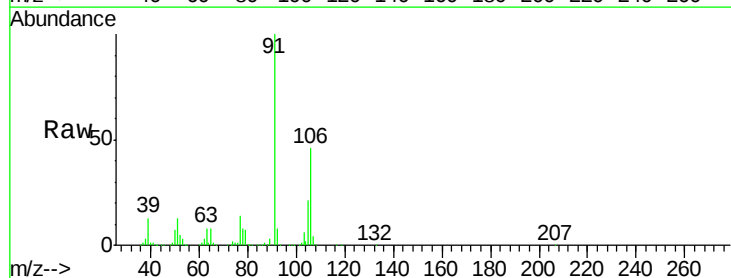
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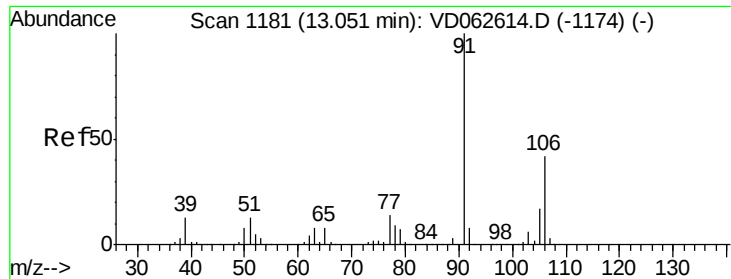
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#68
m/p-Xylenes
Concen: 201.527 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion: 106 Resp: 2364701
Ion Ratio Lower Upper
106 100
91 218.9 184.1 276.1





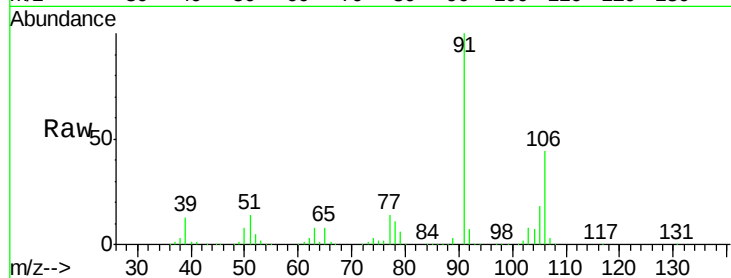
#69
o-Xylene
Concen: 94.333 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

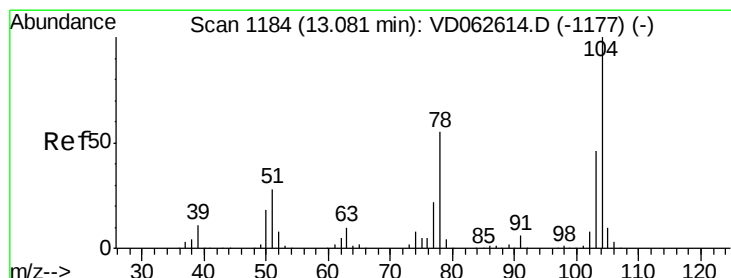
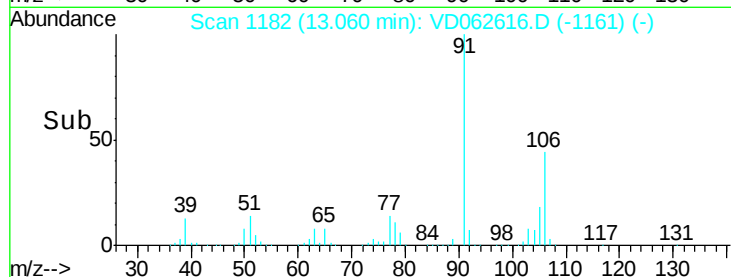
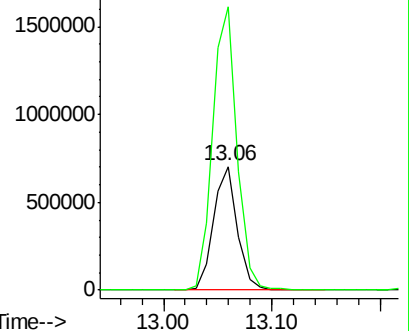
Tot Ion:106 Resp: 1066517
Ion Ratio Lower Upper
106 100
91 229.2 118.8 356.5

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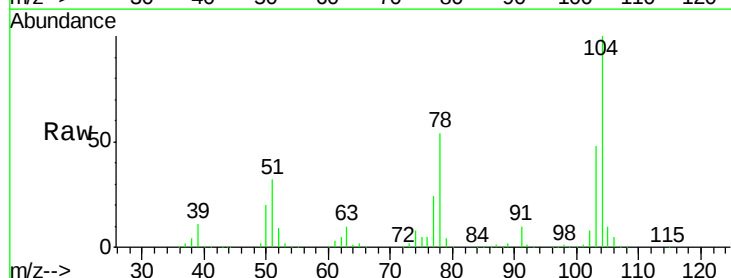


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

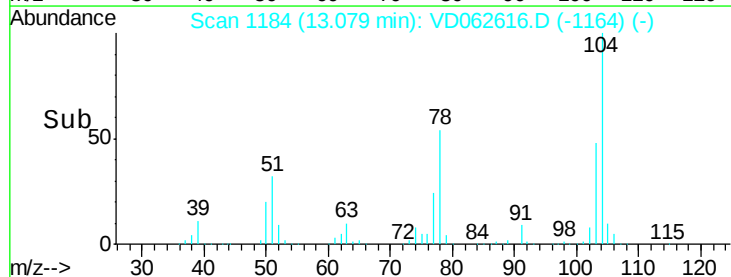
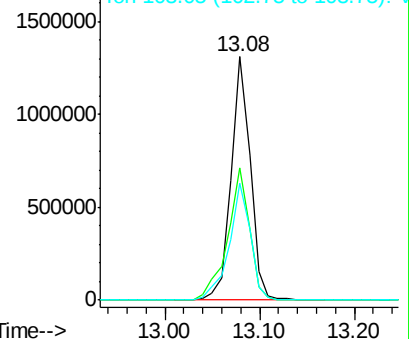


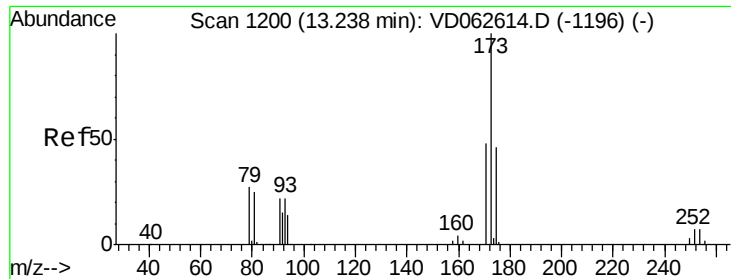
#70
Styrene
Concen: 96.578 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion:104 Resp: 1834332
Ion Ratio Lower Upper
104 100
78 54.2 43.8 65.8
103 48.0 36.6 54.8



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





#71

Bromoform

Concen: 101.844 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 629326

Ion Ratio Lower Upper

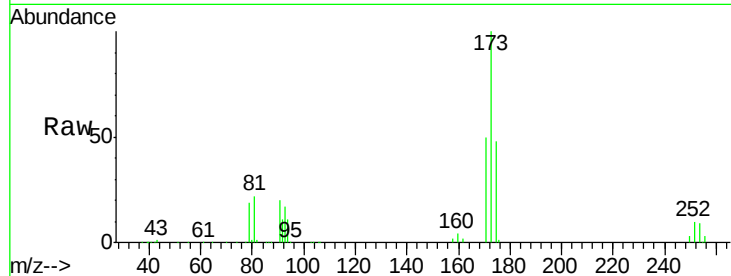
173 100

175 48.3 23.2 69.5

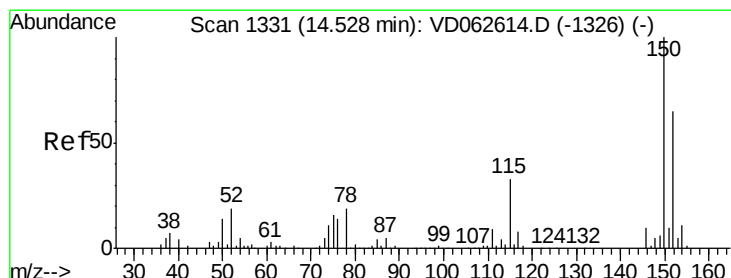
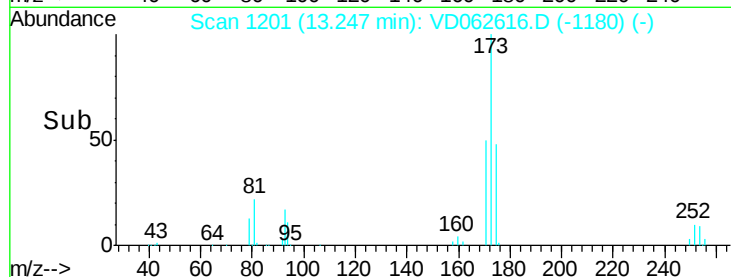
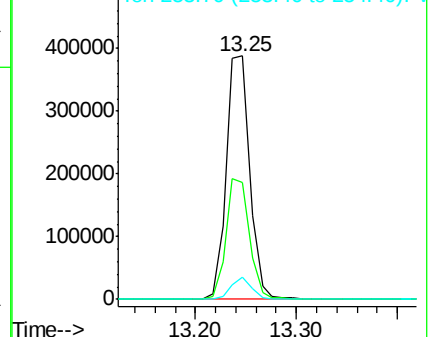
254 9.1 5.9 8.9#

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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: VD062616.D

Acq: 5 Jun 2019 16:35

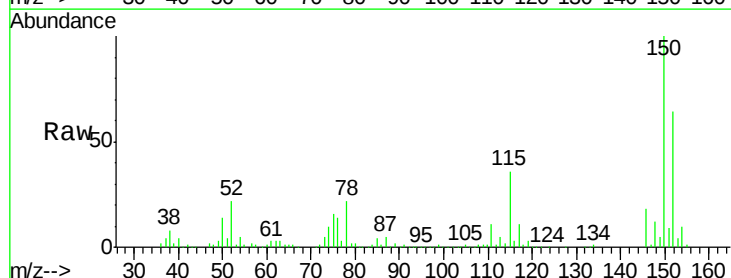
Tgt Ion:152 Resp: 509825

Ion Ratio Lower Upper

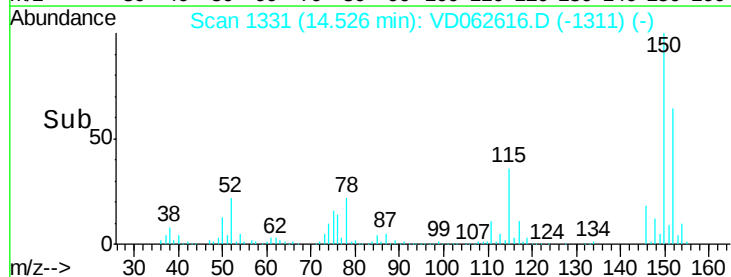
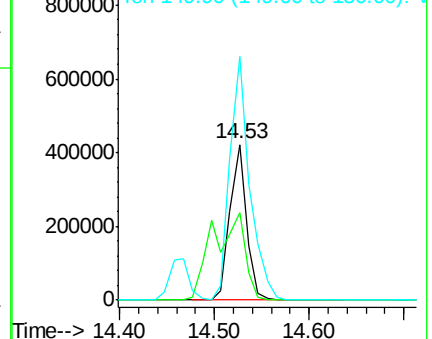
152 100

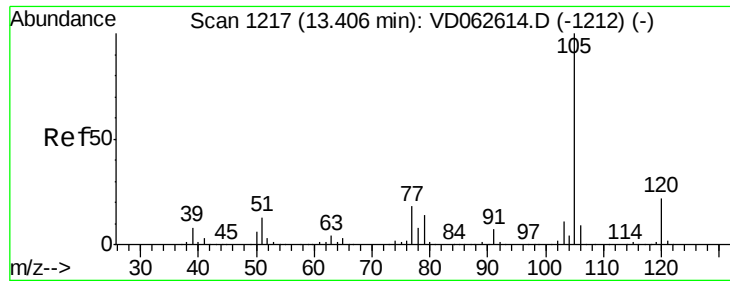
115 56.6 27.1 81.3

150 156.6 0.0 315.0



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





#73

Isopropylbenzene

Concen: 96.057 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 3405163

Ion Ratio Lower Upper

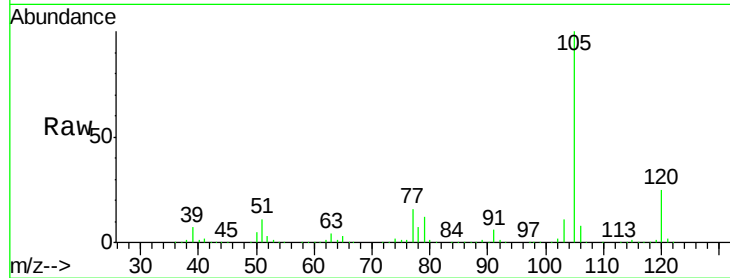
105 100

120 24.9 11.2 33.6

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

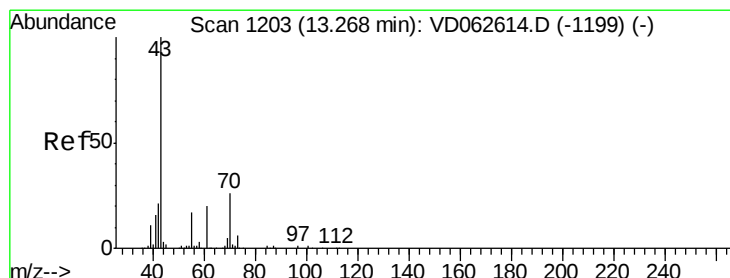
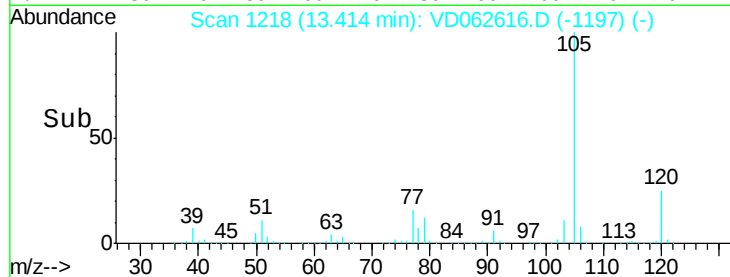
1000000

500000

0

13.30 13.40 13.50 13.60

Time-->



#74

N-ethyl acetate

Concen: 98.393 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Tgt Ion: 43 Resp: 900637

Ion Ratio Lower Upper

43 100

70 28.5 20.5 30.7

55 18.4 13.8 20.8

61 23.4 15.9 23.9

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

800000

600000

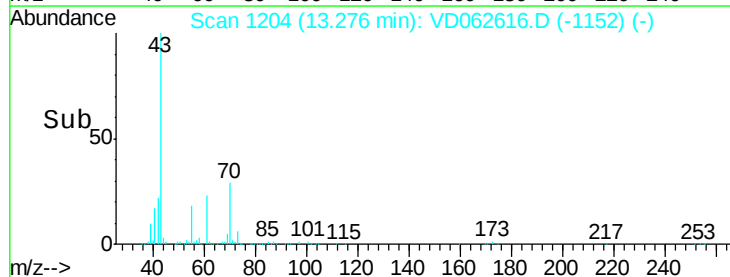
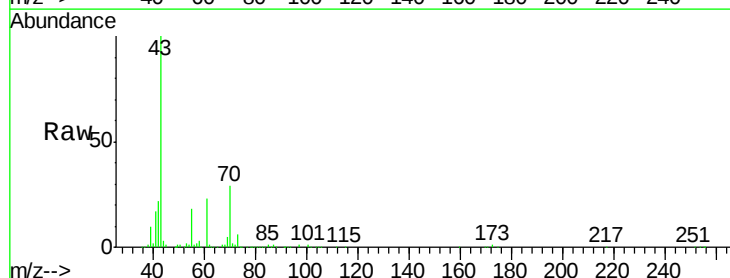
400000

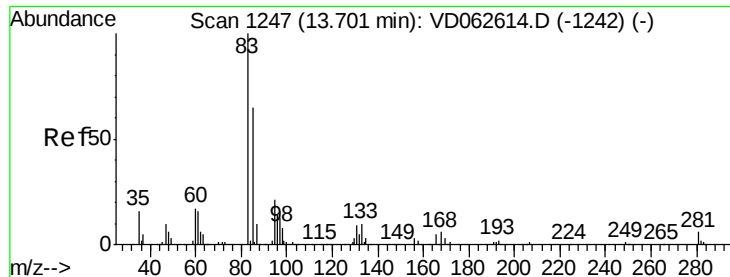
200000

0

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 99.051 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 83 Resp: 588615

Ion Ratio Lower Upper

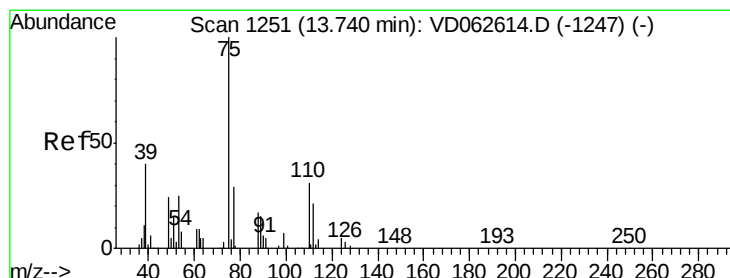
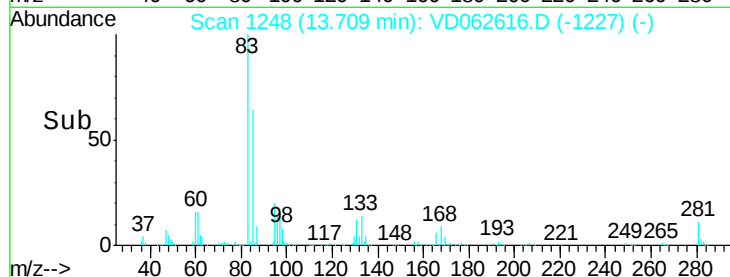
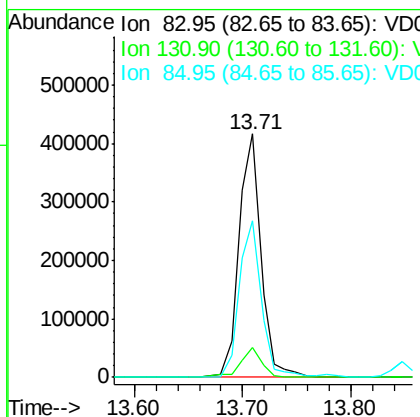
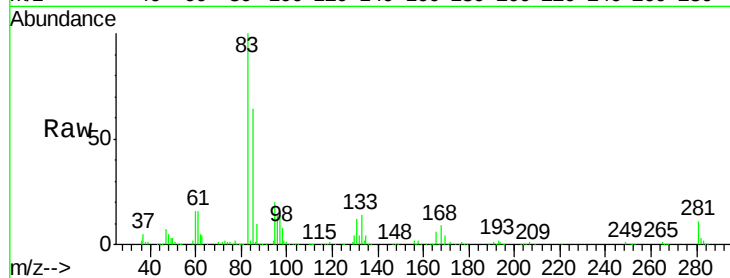
83 100

131 12.0 4.7 14.0

85 64.3 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 96.121 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD062616.D

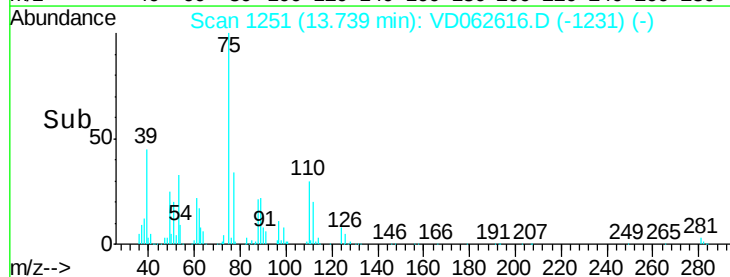
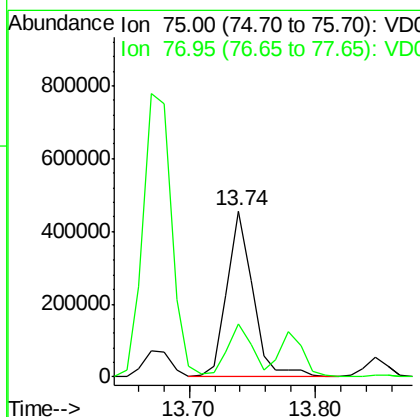
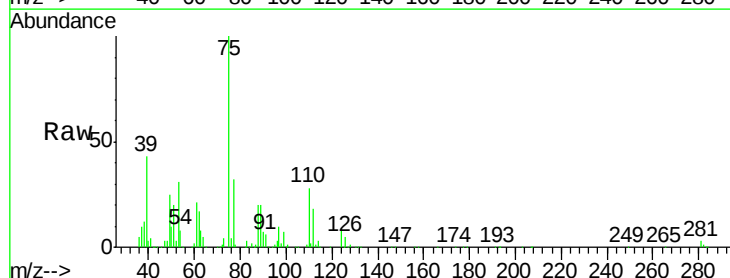
Acq: 5 Jun 2019 16:35

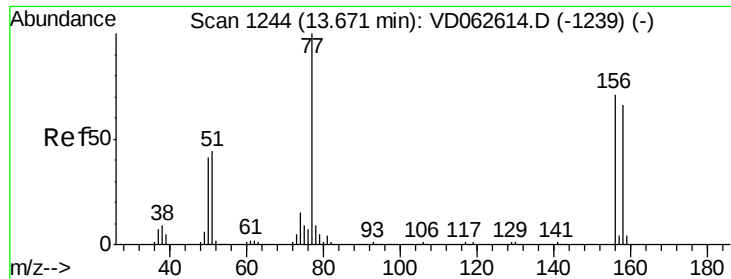
Tgt Ion: 75 Resp: 639247

Ion Ratio Lower Upper

75 100

77 31.8 16.7 50.1





#77

Bromobenzene

Concen: 94.169 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 928541

Ion Ratio Lower Upper

156 100

77 114.2 70.5 211.5

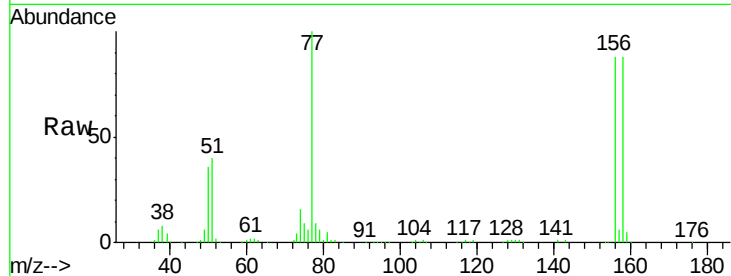
158 100.7 46.9 140.6

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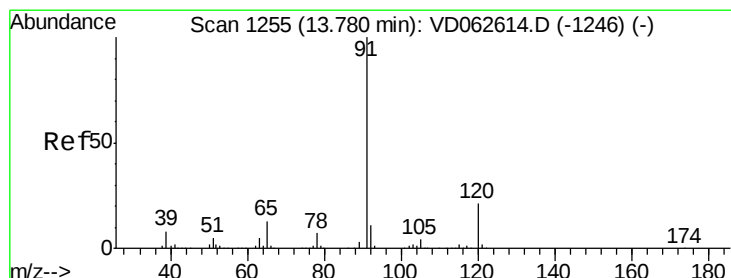
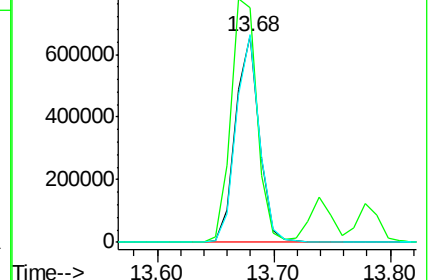
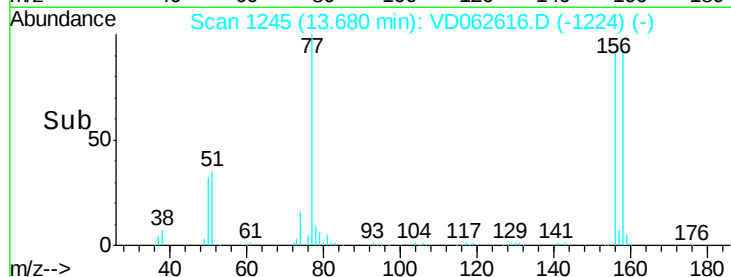
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 86.721 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062616.D

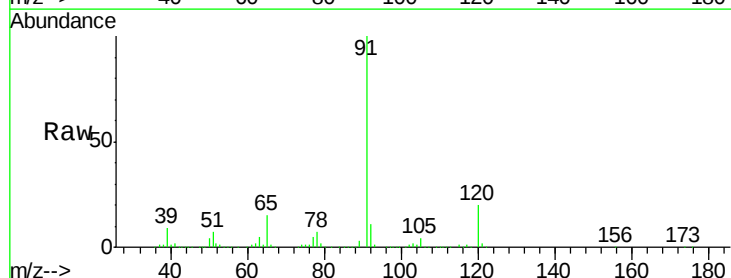
Acq: 5 Jun 2019 16:35

Tgt Ion: 91 Resp: 3565272

Ion Ratio Lower Upper

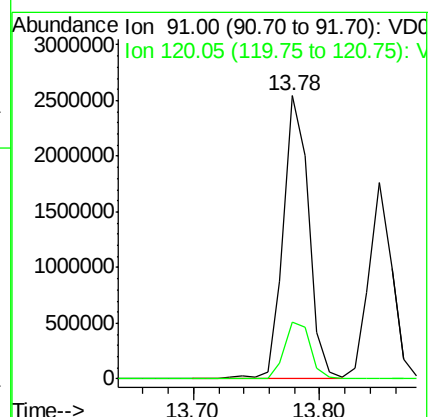
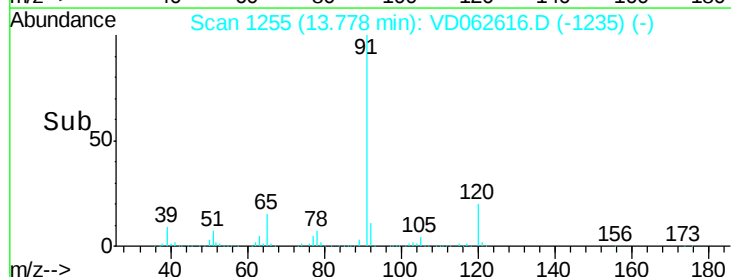
91 100

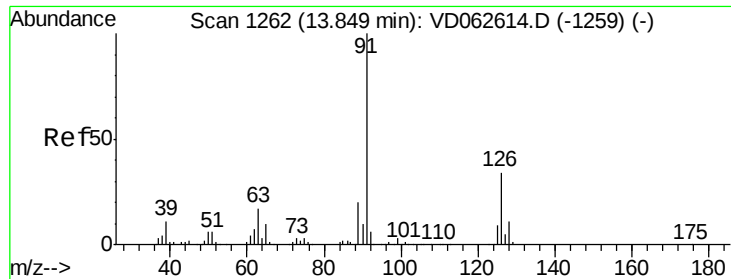
120 20.2 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





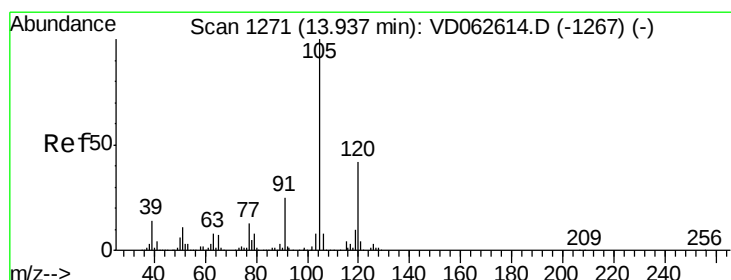
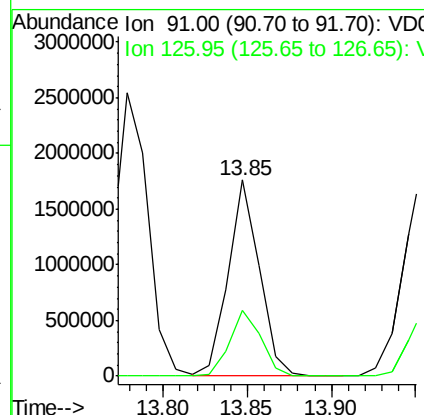
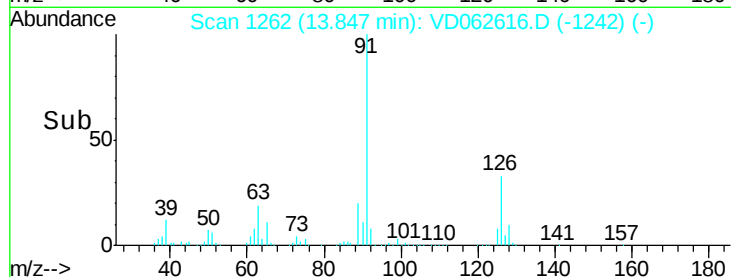
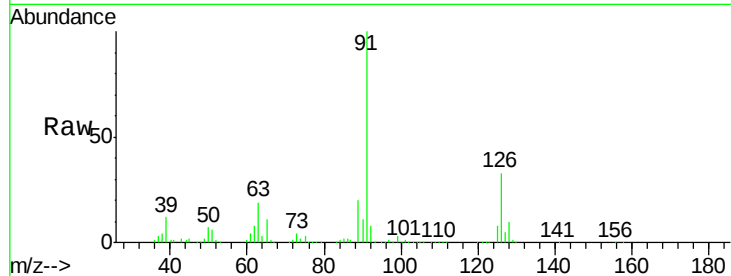
#79
2-Chlorotoluene
Concen: 91.012 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2268454
Ion Ratio Lower Upper
91 100
126 33.4 16.7 50.1

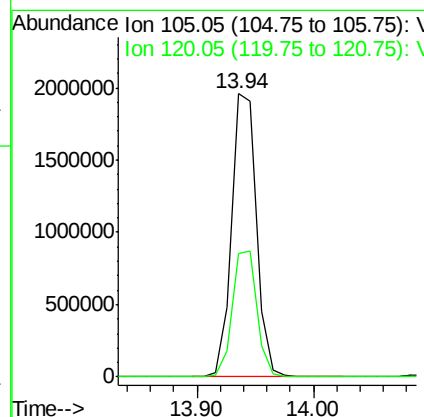
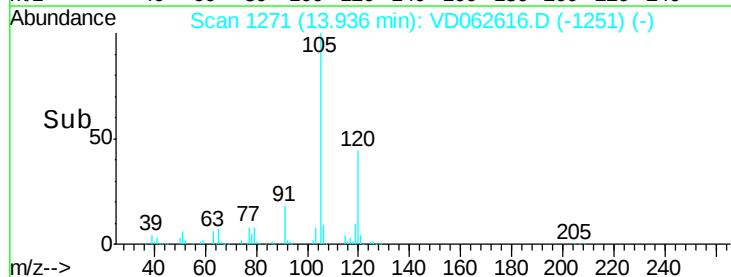
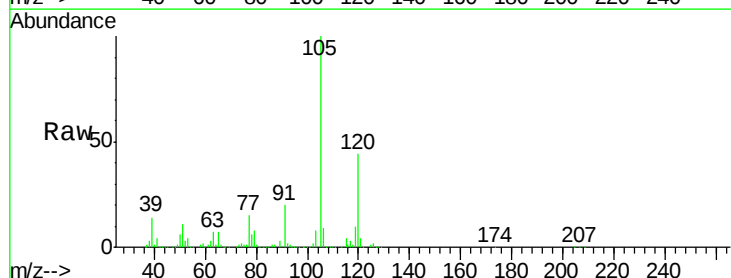
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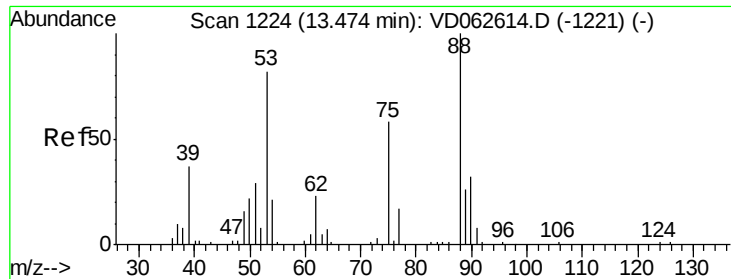
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#80
1,3,5-Trimethylbenzene
Concen: 95.199 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion: 105 Resp: 2904387
Ion Ratio Lower Upper
105 100
120 43.6 21.1 63.4





#81

trans-1,4-Dichloro-2-butene

Concen: 103.162 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 176353

Ion Ratio Lower Upper

75 100

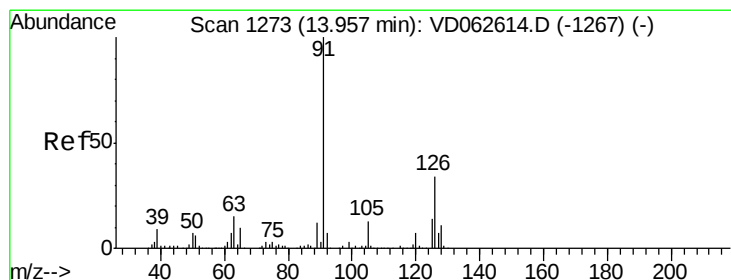
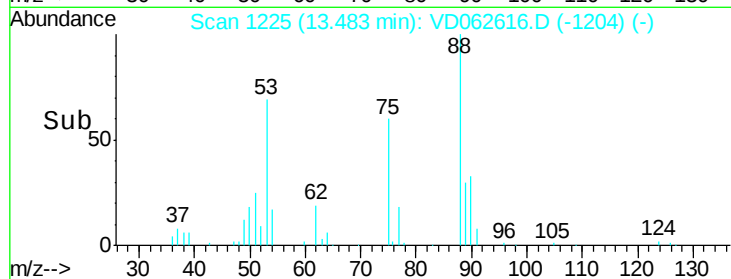
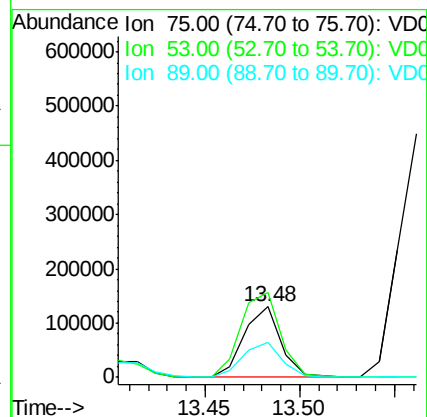
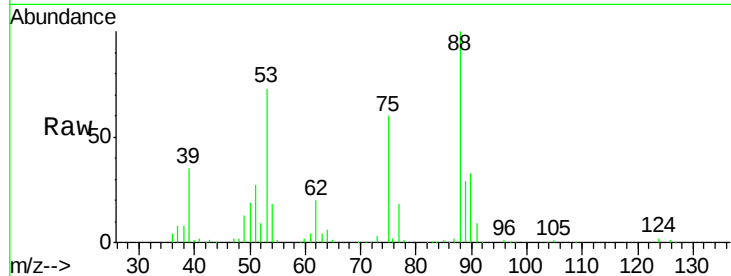
53 121.6 113.2 169.8

89 49.1 36.9 55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 92.278 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD062616.D

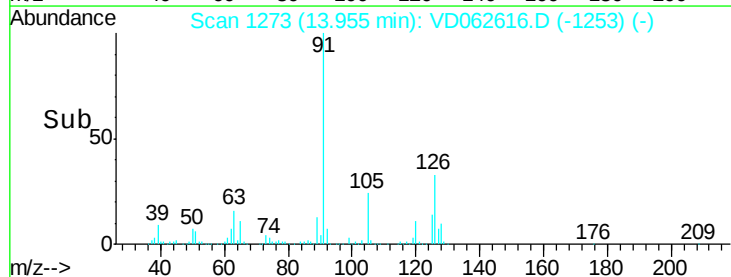
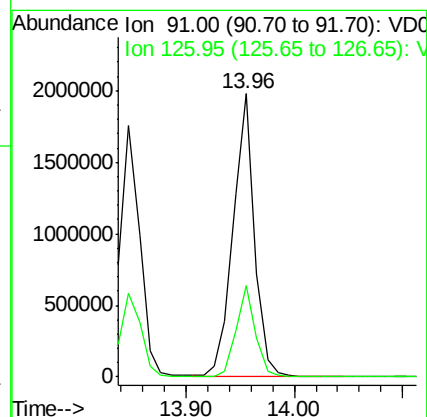
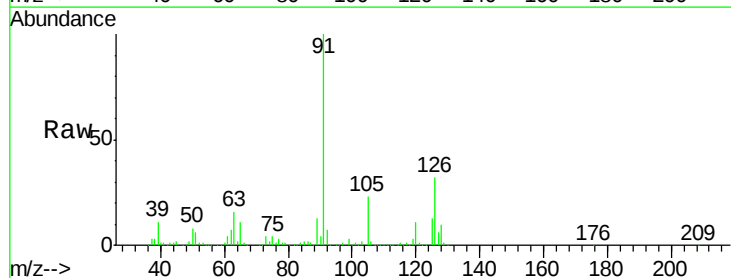
Acq: 5 Jun 2019 16:35

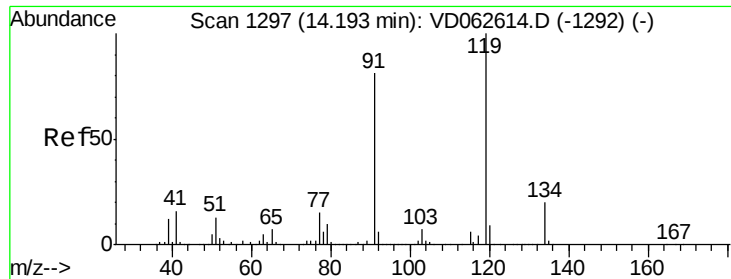
Tgt Ion: 91 Resp: 2706553

Ion Ratio Lower Upper

91 100

126 32.1 16.8 50.4





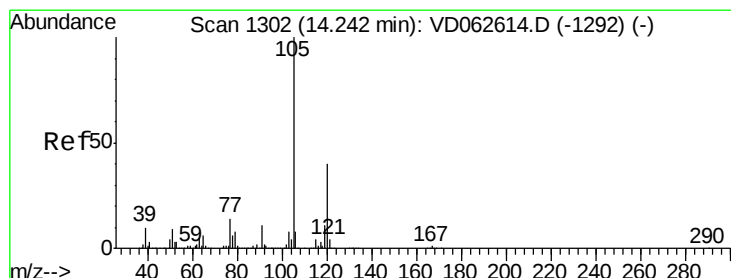
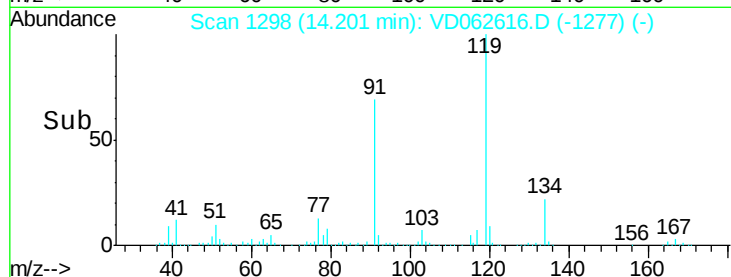
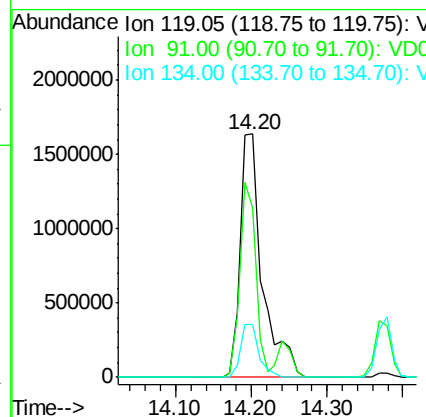
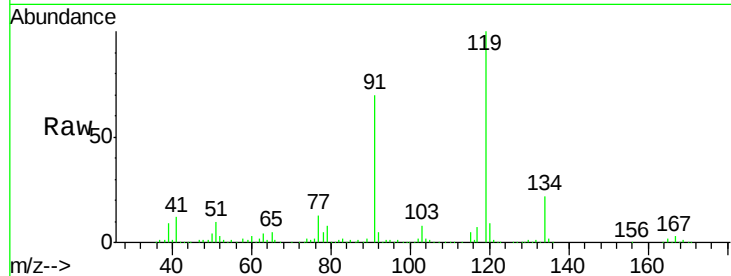
#83
tert-Butylbenzene
Concen: 97.402 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 3272120
Ion Ratio Lower Upper
119 100
91 69.7 40.8 122.2
134 22.0 10.3 30.8

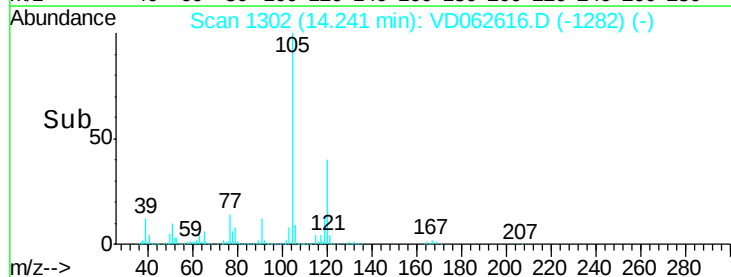
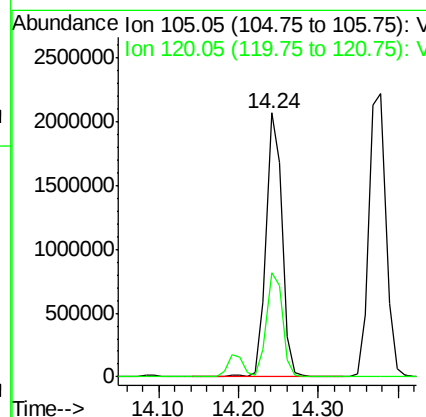
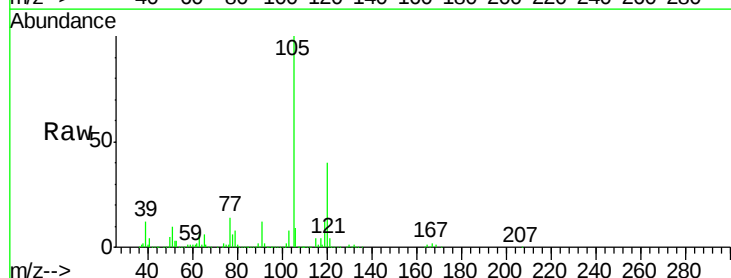
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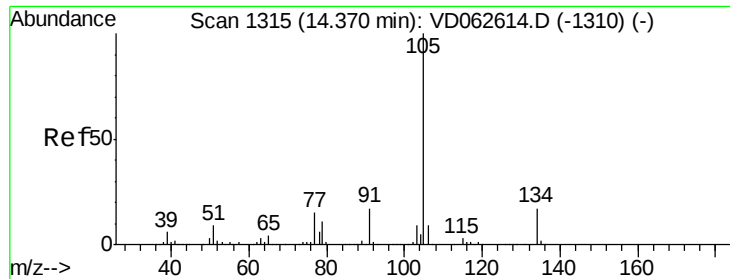
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#84
1,2,4-Trimethylbenzene
Concen: 90.163 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion:105 Resp: 2815544
Ion Ratio Lower Upper
105 100
120 39.7 19.9 59.7





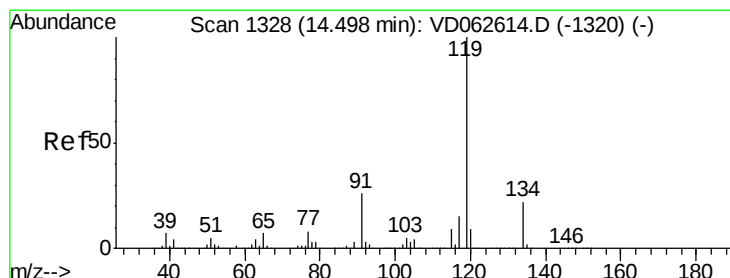
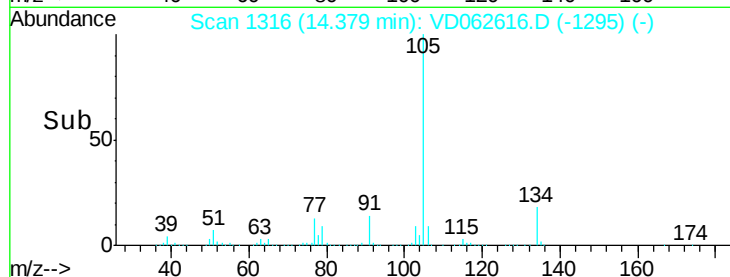
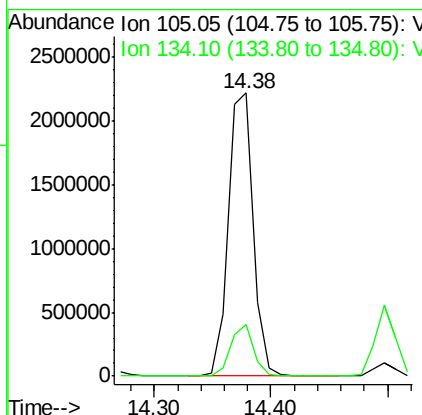
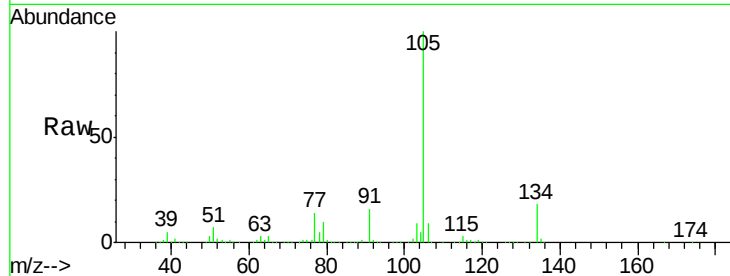
#85
 sec-Butylbenzene
 Concen: 94.201 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tot Ion:105 Resp: 3260702
 Ion Ratio Lower Upper
 105 100
 134 18.4 8.3 24.8

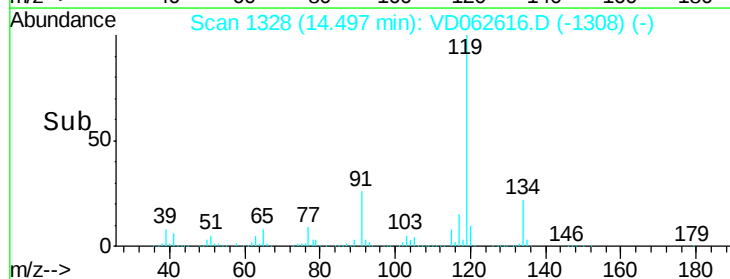
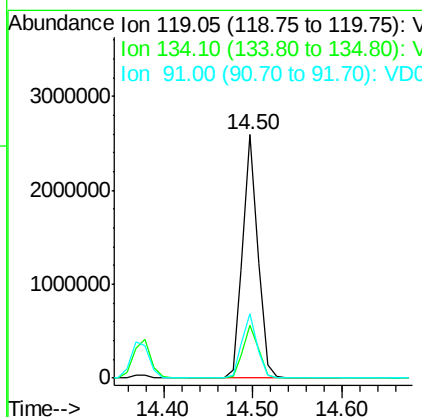
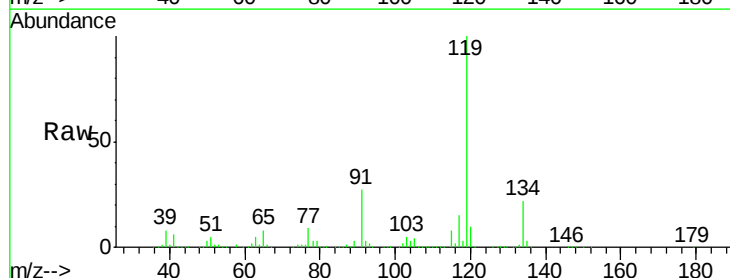
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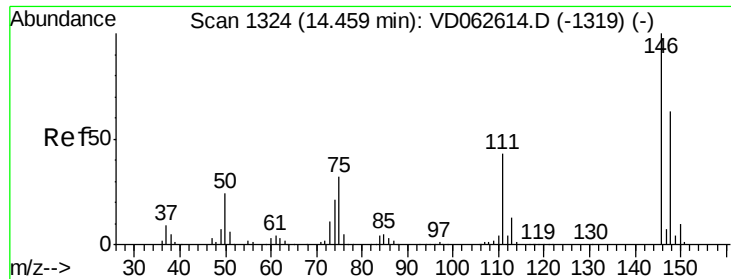
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#86
 p-Isopropyltoluene
 Concen: 92.942 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion:119 Resp: 3092992
 Ion Ratio Lower Upper
 119 100
 134 21.6 11.2 33.5
 91 26.6 13.3 39.8





#87

1,3-Dichlorobenzene

Concen: 97.570 ug/l

RT: 14.47 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1614691

Ion Ratio Lower Upper

146 100

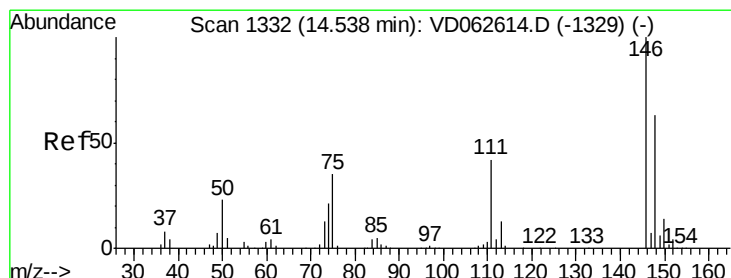
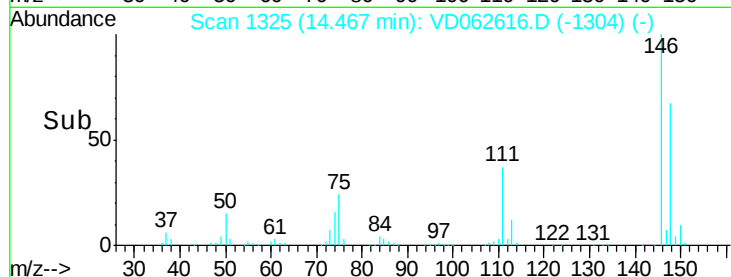
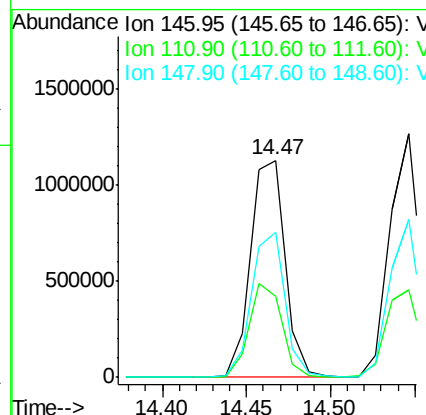
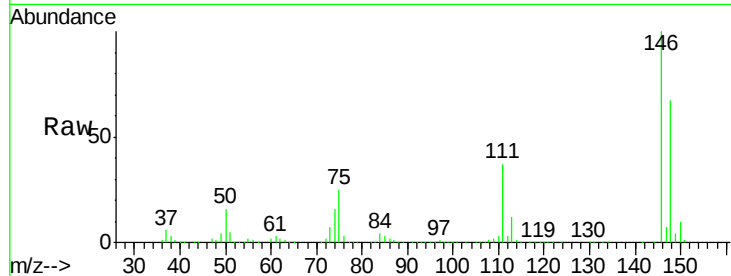
111 37.1 21.6 64.6

148 66.7 31.3 93.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 96.502 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

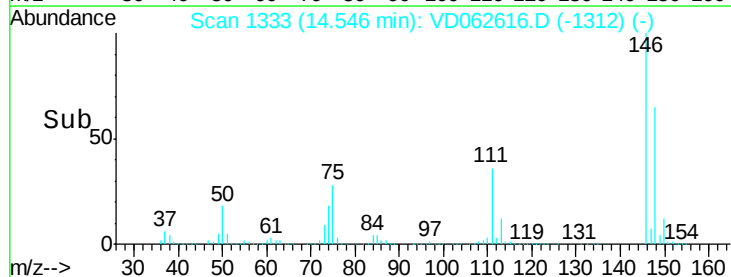
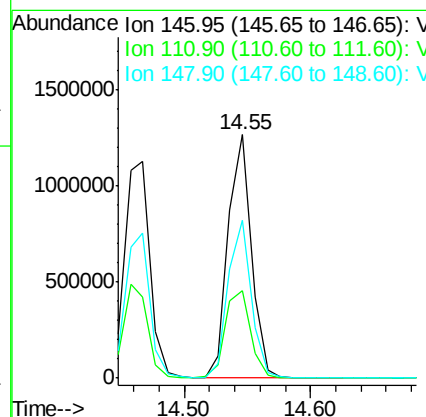
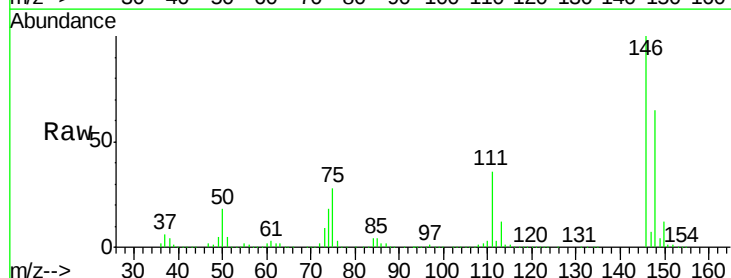
Tgt Ion:146 Resp: 1617408

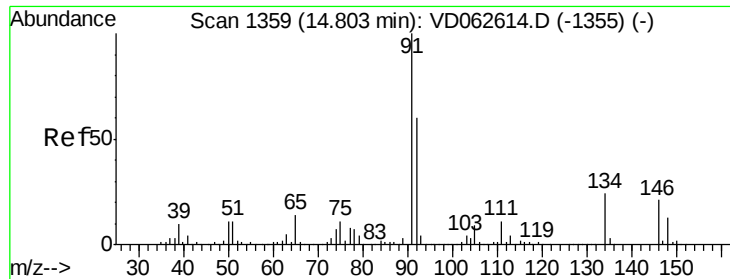
Ion Ratio Lower Upper

146 100

111 36.2 20.9 62.8

148 64.6 31.5 94.5





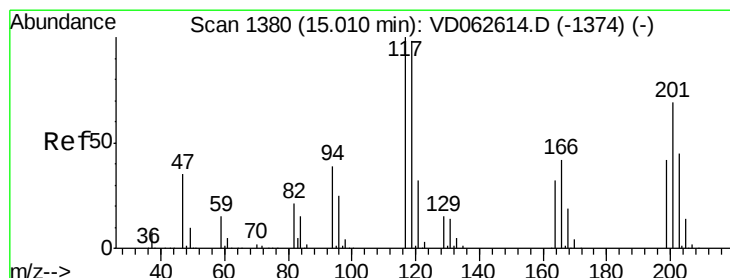
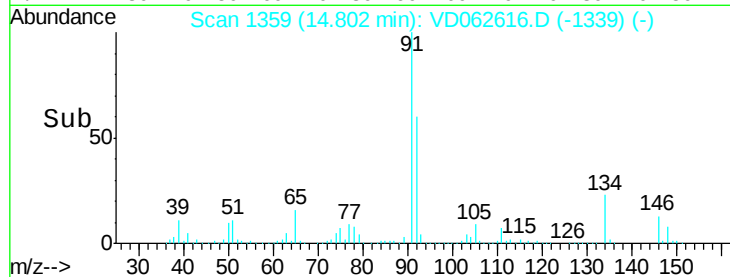
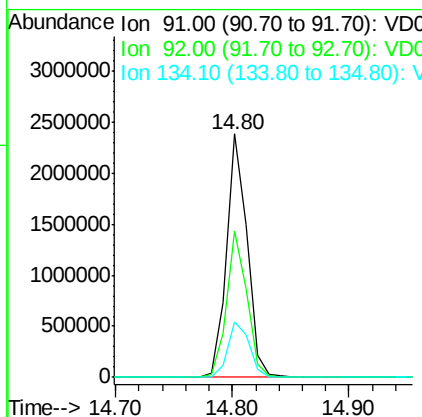
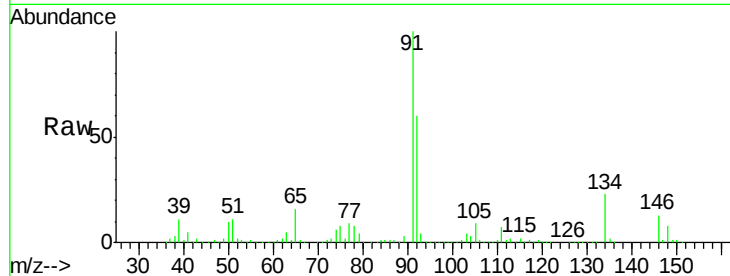
#89
n-Butylbenzene
Concen: 93.945 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2907006
Ion Ratio Lower Upper
91 100
92 59.9 29.9 89.7
134 22.6 12.1 36.3

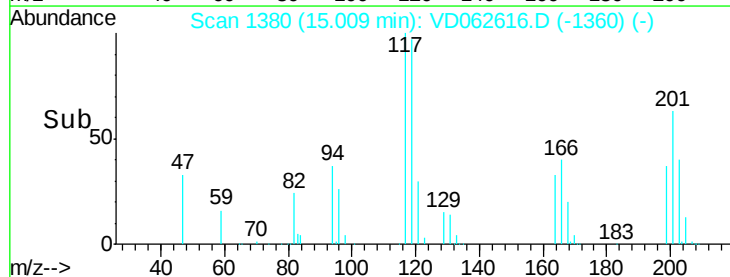
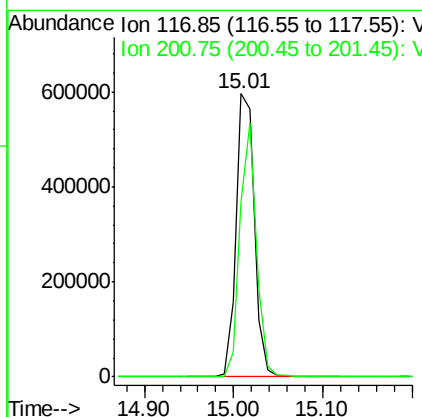
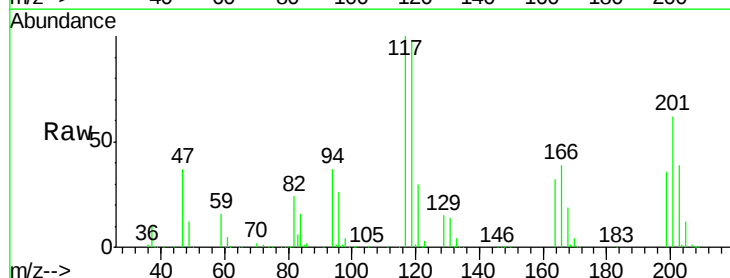
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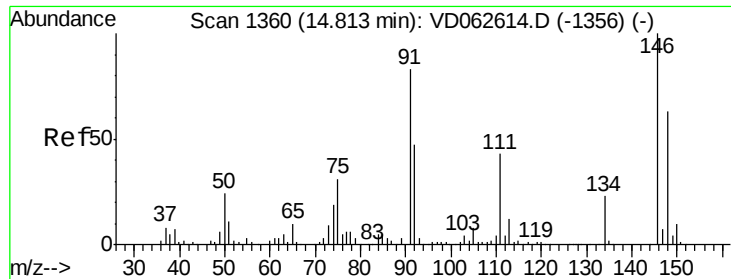
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#90
Hexachloroethane
Concen: 99.272 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion: 117 Resp: 869494
Ion Ratio Lower Upper
117 100
201 61.9 34.4 103.3





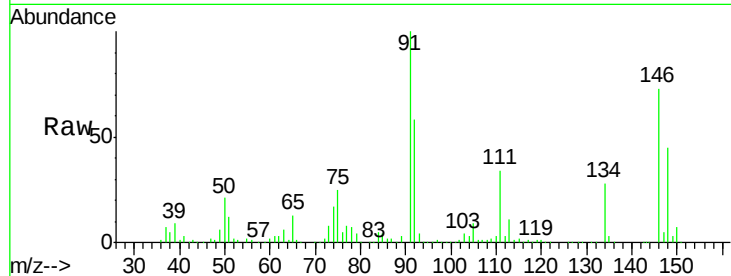
#91
 1,2-Dichlorobenzene
 Concen: 93.061 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

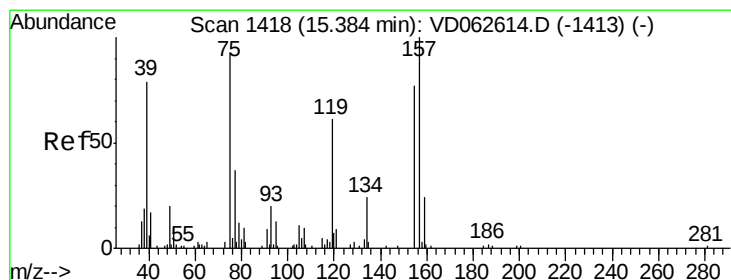
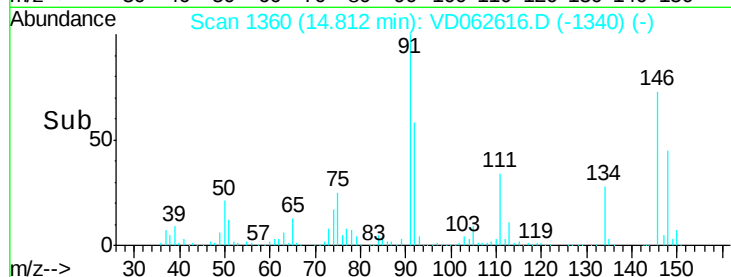
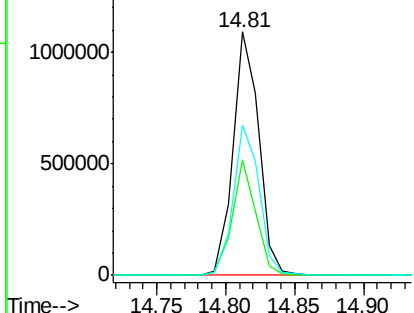
Tot Ion	Ratio	Lower	Upper
146	100		
111	47.4	21.3	64.0
148	61.7	31.4	94.3

Manual Integrations
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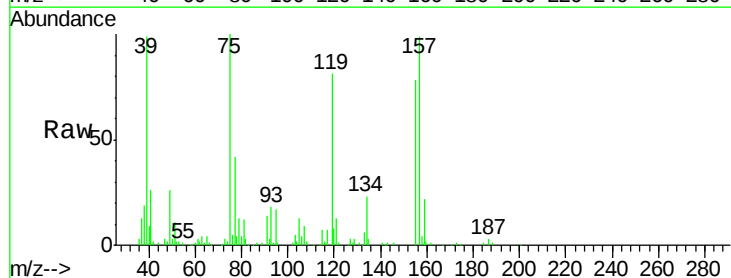


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

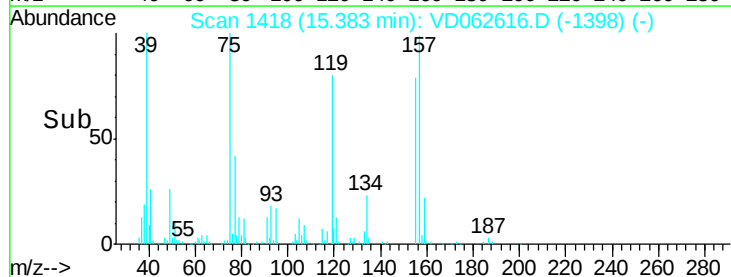
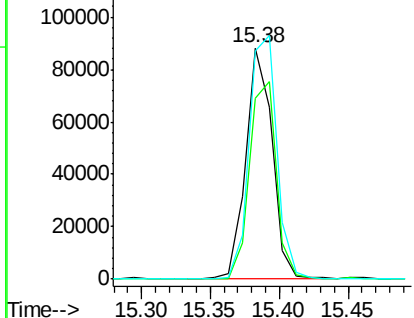


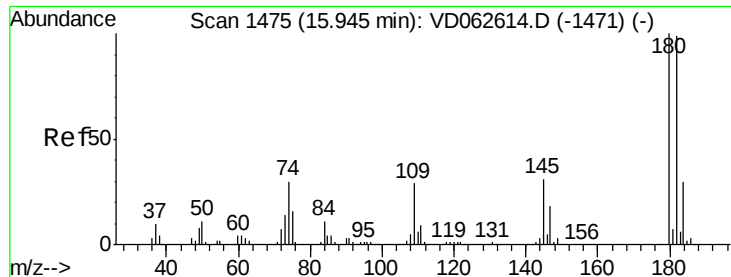
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.097 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	41.6	124.8
157	98.7	53.8	161.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





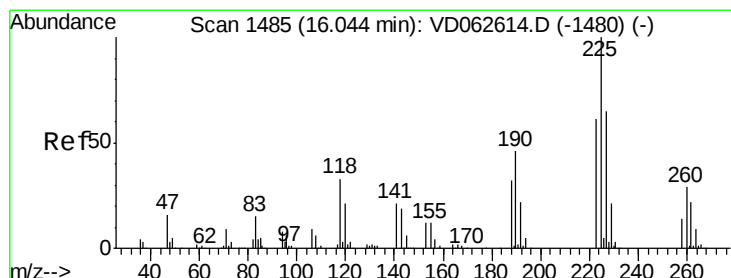
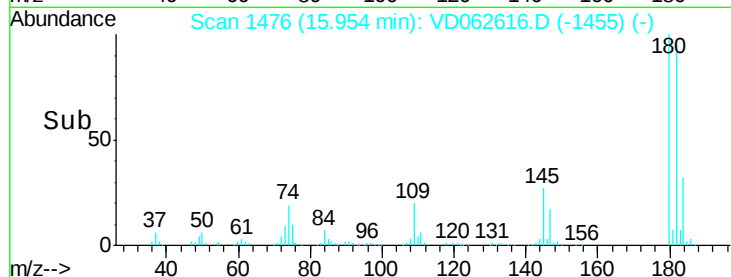
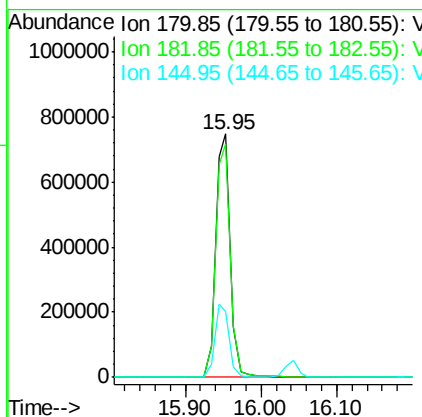
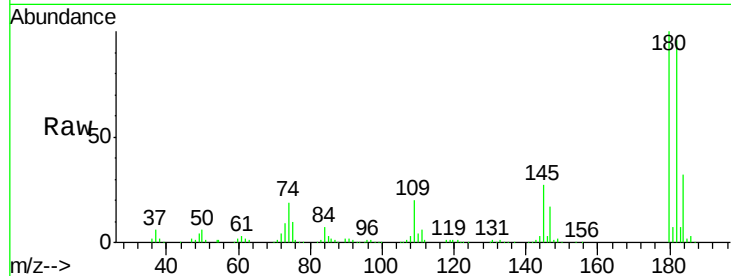
#93
 1,2,4-Trichlorobenzene
 Concen: 93.473 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 1026300
 Ion Ratio Lower Upper
 180 100
 182 95.9 49.3 147.8
 145 27.1 15.7 47.1

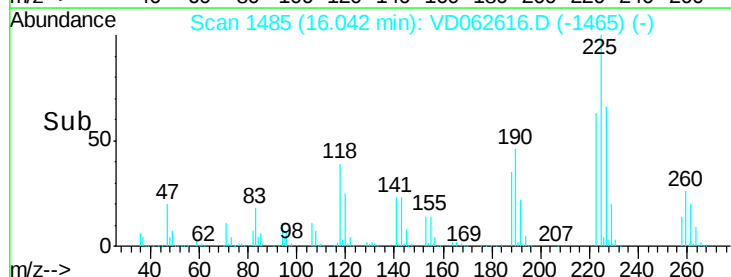
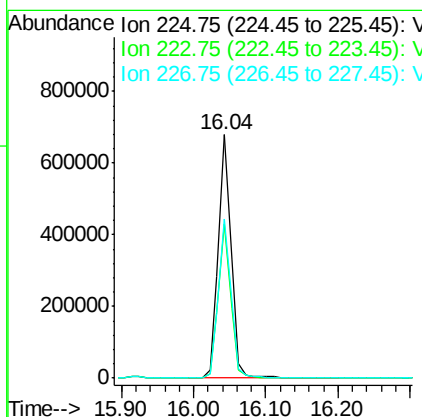
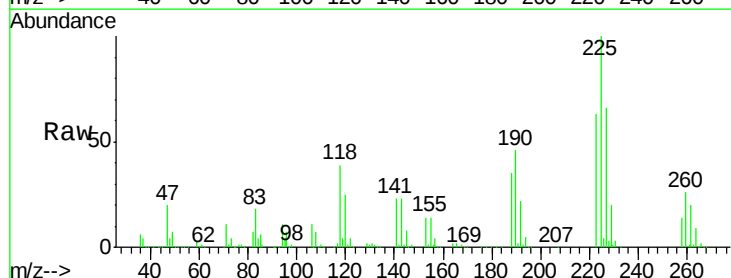
Manual Integrations
 APPROVED

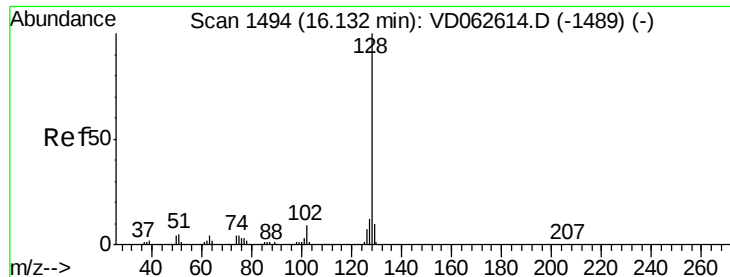
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#94
 Hexachlorobutadiene
 Concen: 99.955 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion:225 Resp: 823195
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.3 91.0
 227 65.5 32.4 97.0





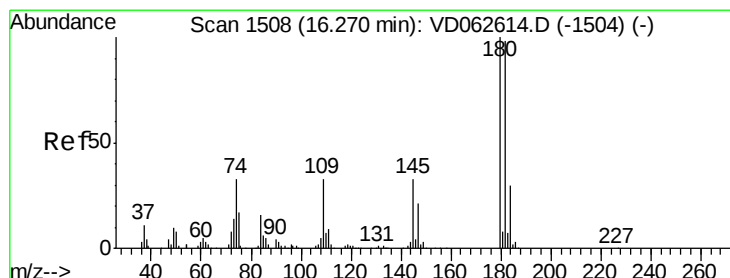
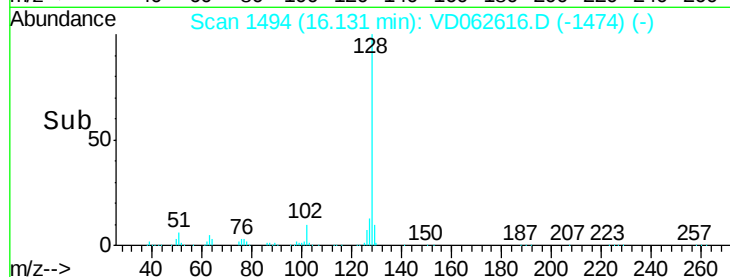
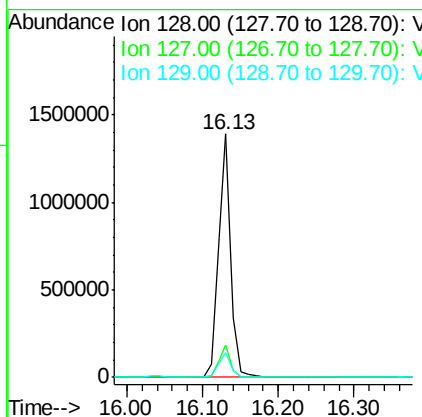
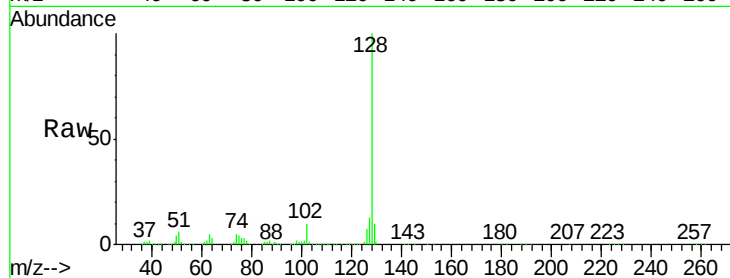
#95
Naphthalene
Concen: 101.702 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.4	14.2
129	10.0	8.0	12.0

Manual Integrations
APPROVED

MMDadoda
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#96
1,2,3-Trichlorobenzene
Concen: 97.309 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.1	49.1	147.3
145	28.6	16.6	49.7

