

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061300.D
 Acq On : 25 Mar 2019 13:09
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:28:33 PM

Quant Time: Mar 26 02:33:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 01:57:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	739873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1272922	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1055906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	409151	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	603484	94.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.02%	
35) Dibromofluoromethane	6.93	113	896193	92.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.02%	
50) Toluene-d8	10.41	98	2064816	87.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.86%	
62) 4-Bromofluorobenzene	13.55	95	850441	92.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	781552	103.256	ug/l	95
3) Chloromethane	1.76	50	661663	112.078	ug/l	98
4) Vinyl Chloride	1.86	62	591103	107.100	ug/l	99
5) Bromomethane	2.15	94	95889	83.915	ug/l	97
6) Chloroethane	2.26	64	151441	87.185	ug/l	93
7) Trichlorofluoromethane	2.54	101	765003	93.621	ug/l	99
8) Diethyl Ether	2.88	74	251676	103.712	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.16	101	862521	103.836	ug/l	97
10) Methyl Iodide	3.32	142	1479183	127.472	ug/l	99
11) Tert butyl alcohol	4.08	59	191310	562.862	ug/l	99
12) 1,1-Dichloroethene	3.14	96	754020	105.506	ug/l	98
13) Acrolein	3.05	56	187520	503.350	ug/l	96
14) Allyl chloride	3.63	41	1059735	104.703	ug/l	99
15) Acrylonitrile	4.20	53	641641	536.777	ug/l	99
16) Acetone	3.24	43	878350	574.567	ug/l	96
17) Carbon Disulfide	3.38	76	2557562	107.662	ug/l	99
18) Methyl Acetate	3.65	43	294031	101.849	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	1305831	103.691	ug/l	100
20) Methylene Chloride	3.83	84	810398	93.484	ug/l	99
21) trans-1,2-Dichloroethene	4.23	96	809277	101.168	ug/l	94
22) Diisopropyl ether	5.14	45	2185124	102.494	ug/l	97
23) Vinyl Acetate	5.07	43	5875177	516.213	ug/l	100
24) 1,1-Dichloroethane	5.00	63	1319648	106.063	ug/l	99
25) 2-Butanone	6.07	43	950704	538.192	ug/l	96
26) 2,2-Dichloropropane	6.03	77	1039423	98.500	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	874433	101.656	ug/l	95
28) Bromochloromethane	6.45	49	498930	95.795	ug/l	98
29) Tetrahydrofuran	6.47	42	466351	530.387	ug/l	98
30) Chloroform	6.67	83	1374787	103.633	ug/l	99
31) Cyclohexane	6.96	56	1014638	100.469	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	1134667	96.594	ug/l	99
36) 1,1-Dichloropropene	7.16	75	1028983	98.838	ug/l	100
37) Ethyl Acetate	6.19	43	444177	102.443	ug/l	98
38) Carbon Tetrachloride	7.12	117	1186215m	96.401	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	8.87	83	1063952	98.592	ug/l	99
40) Benzene	7.46	78	2618207	101.161	ug/l	99
41) Methacrylonitrile	6.46	41	505308	99.942	ug/l	97
42) 1,2-Dichloroethane	7.58	62	857471	106.321	ug/l	98
43) Isopropyl Acetate	9.24	43	687798	109.659	ug/l #	99
44) Trichloroethene	8.54	130	993623	106.222	ug/l	99
45) 1,2-Dichloropropane	8.94	63	669021	104.801	ug/l	99
46) Dibromomethane	9.06	93	471445	107.711	ug/l	98
47) Bromodichloromethane	9.38	83	1081049	105.395	ug/l	100
48) Methyl methacrylate	9.12	41	386783	115.538	ug/l	97
49) 1,4-Dioxane	9.08	88	87428	2380.251	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	1957210	524.192	ug/l	98
52) Toluene	10.51	92	1536357	97.077	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	929278	104.257	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	1154869	106.106	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	546194	103.952	ug/l	99
56) Ethyl methacrylate	11.04	69	567411	101.202	ug/l	99
57) 1,3-Dichloropropane	11.41	76	840368	105.903	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	1143226	391.939	ug/l	98
59) 2-Hexanone	11.54	43	1394221	514.131	ug/l	99
60) Dibromochloromethane	11.68	129	852807	103.624	ug/l	98
61) 1,2-Dibromoethane	11.81	107	658745	107.302	ug/l	94
64) Tetrachloroethene	11.26	164	710646	97.699	ug/l	99
65) Chlorobenzene	12.40	112	1852644	95.260	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	708173	93.917	ug/l	98
67) Ethyl Benzene	12.53	91	2555535	85.859	ug/l	100
68) m/p-Xylenes	12.67	106	2105261	181.197	ug/l	99
69) o-Xylene	13.05	106	902325	83.736	ug/l	99
70) Styrene	13.07	104	1573900	86.059	ug/l	98
71) Bromoform	13.24	173	507342	109.951	ug/l	99
73) Isopropylbenzene	13.41	105	2686464	100.949	ug/l	100
74) N-amyl acetate	13.27	43	838719	120.463	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	587284	113.800	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	584911	114.953	ug/l	97
77) Bromobenzene	13.67	156	785201	105.630	ug/l	99
78) n-propylbenzene	13.78	91	3109392	103.563	ug/l	94
79) 2-Chlorotoluene	13.84	91	1876147	107.542	ug/l	99
80) 1,3,5-Trimethylbenzene	14.24	105	2073242	98.755	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	183393	114.206	ug/l	99
82) 4-Chlorotoluene	13.95	91	1870741	97.889	ug/l	100
83) tert-Butylbenzene	14.19	119	2397361	100.014	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	2073242	98.755	ug/l	100
85) sec-Butylbenzene	14.37	105	2741652	102.703	ug/l	100
86) p-Isopropyltoluene	14.49	119	2227349	93.523	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	1339604	101.669	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	1278291	100.152	ug/l	99
89) n-Butylbenzene	14.79	91	1855971	87.775	ug/l	99
90) Hexachloroethane	15.01	117	712714	111.615	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	953505	90.692	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	83663	129.736	ug/l	98

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MSVOA_D
ClientSampleId :
VSTDICC100

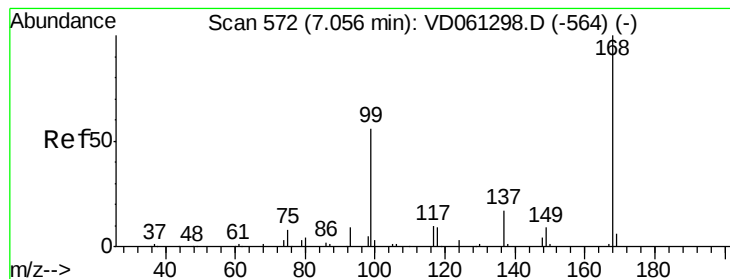
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	527042	108.543	ug/l	100
94) Hexachlorobutadiene	16.03	225	433167	110.706	ug/l	99
95) Naphthalene	16.12	128	806691	113.878	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	234248	103.290	ug/l	99

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



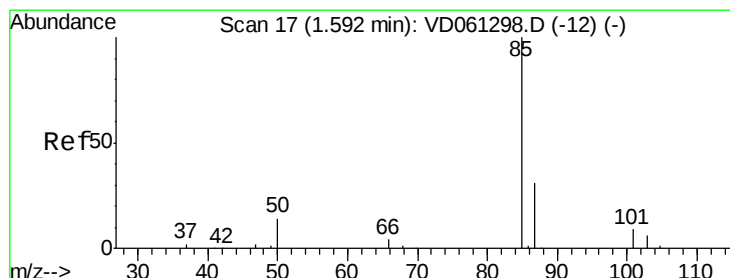
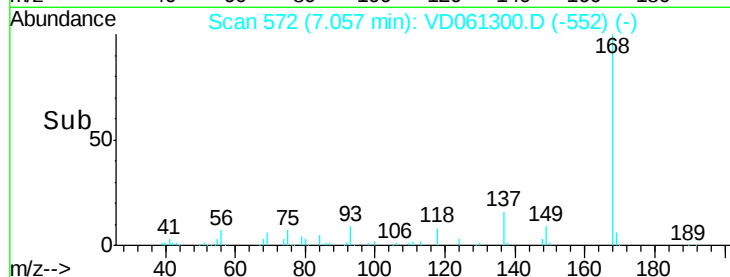
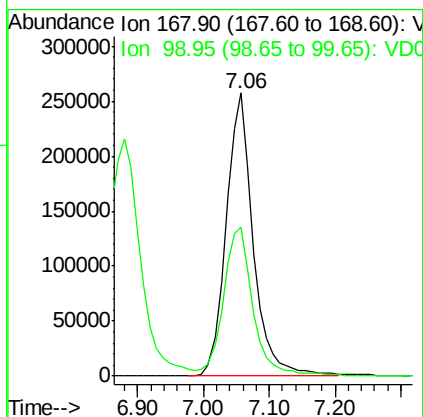
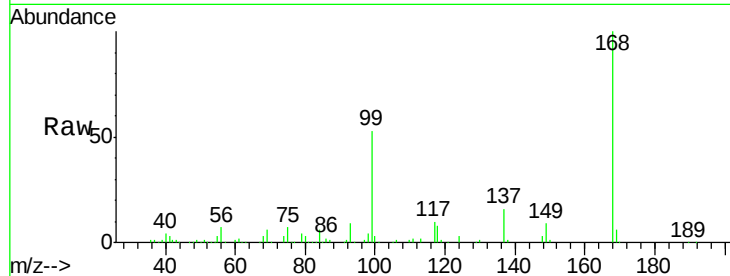
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
168	100		
99	52.8	45.8	68.8

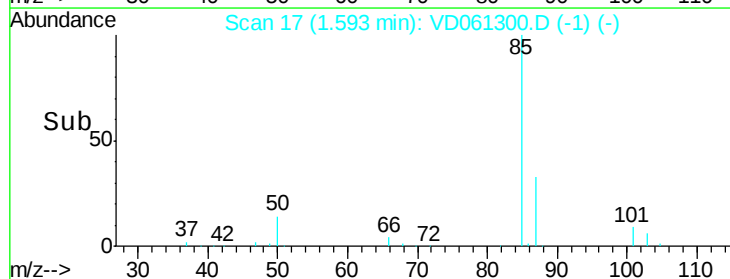
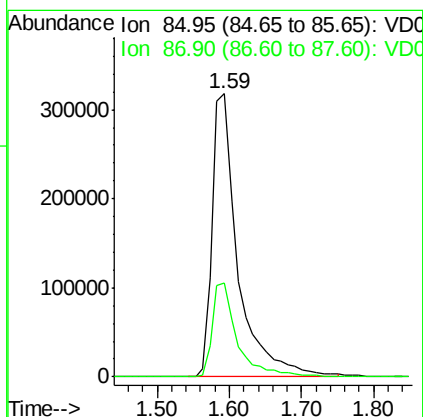
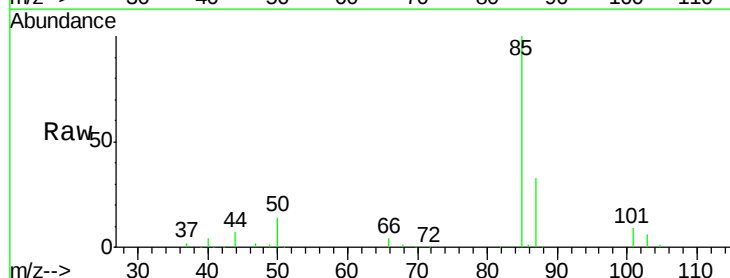
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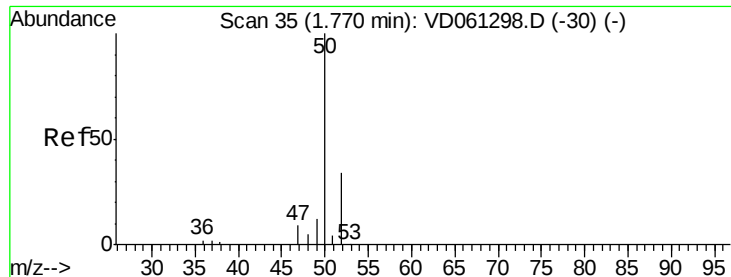
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#2
Dichlorodifluoromethane
Concen: 103.256 ug/l
RT: 1.59 min Scan# 17
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.4	46.4





#3

Chloromethane

Concen: 112.078 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 661663

Ion Ratio Lower Upper

50 100

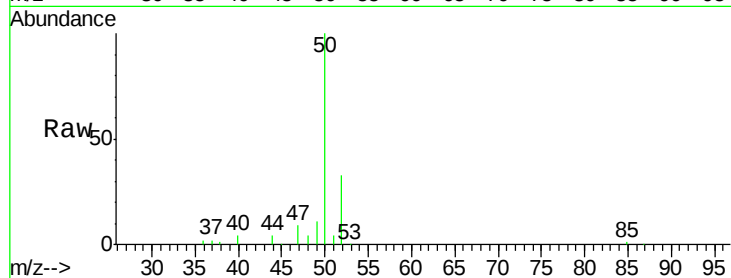
52 33.0 27.1 40.7

Manual Integrations

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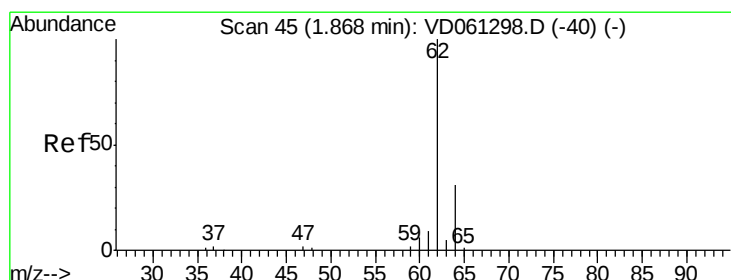
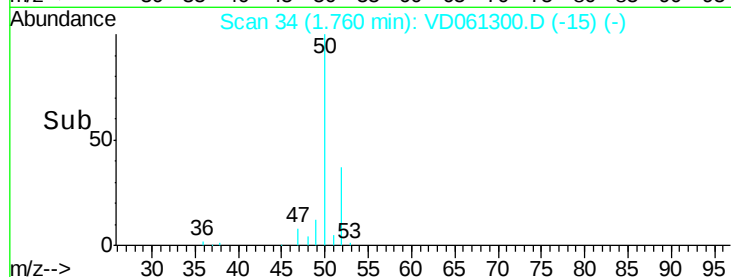
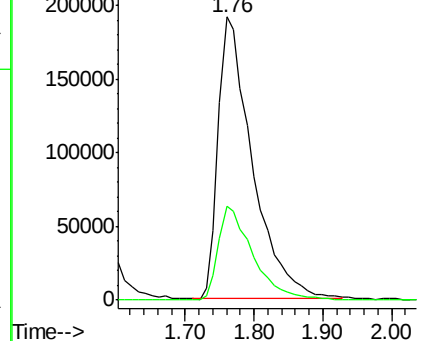
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 107.100 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061300.D

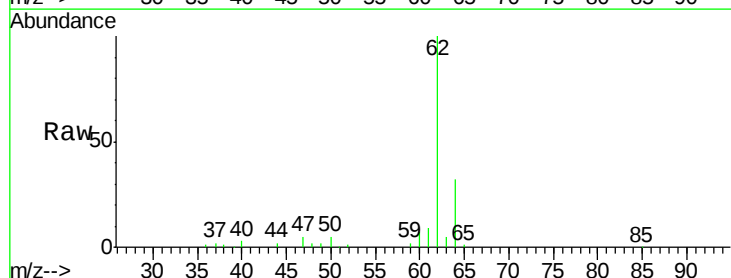
Acq: 25 Mar 2019 13:09

Tgt Ion: 62 Resp: 591103

Ion Ratio Lower Upper

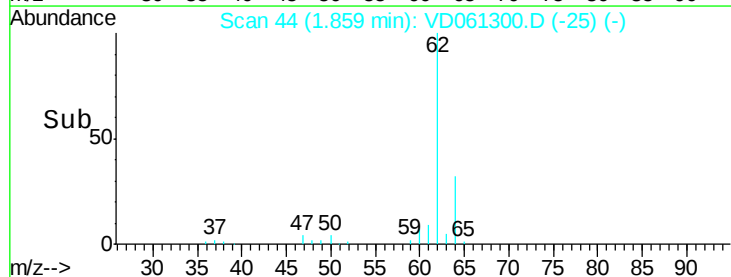
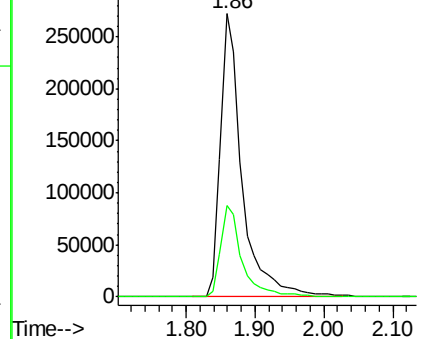
62 100

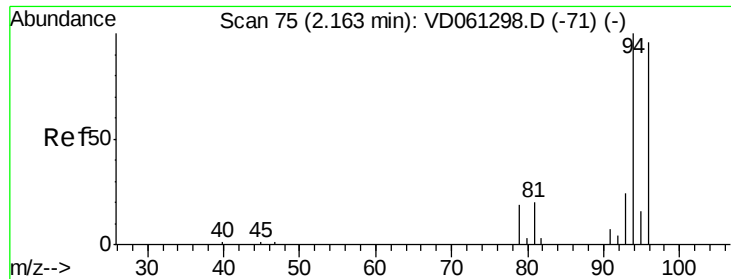
64 32.1 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





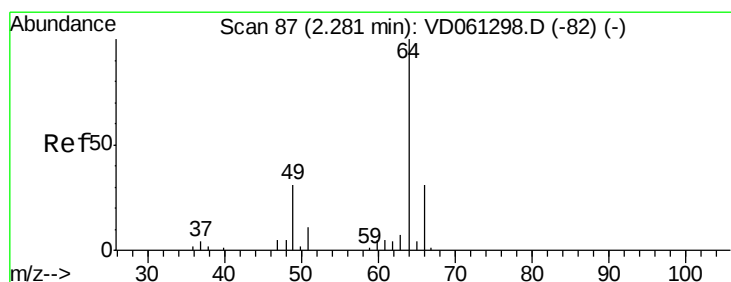
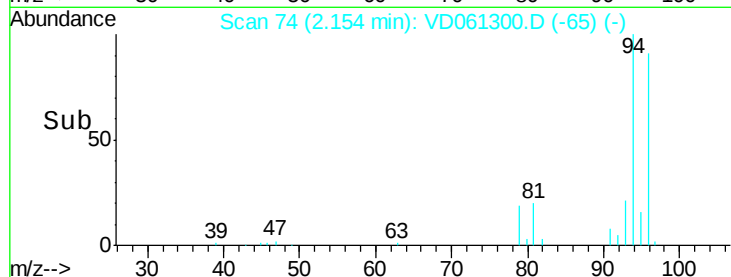
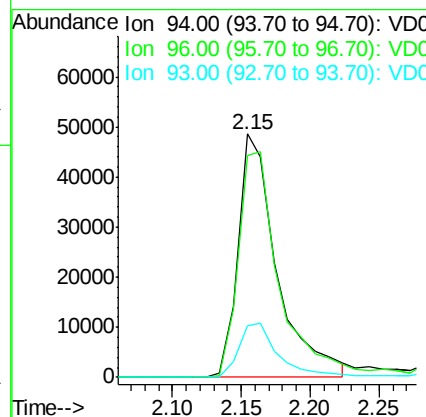
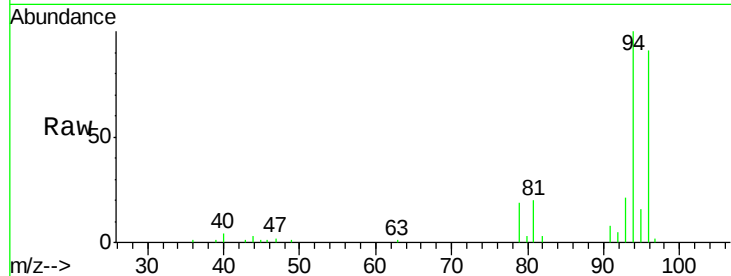
#5
Bromomethane
Concen: 83.915 ug/l
RT: 2.15 min Scan# 74
Delta R.T. -0.01 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

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MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
94	100		
96	93.6	76.9	115.3
93	21.4	18.8	28.2

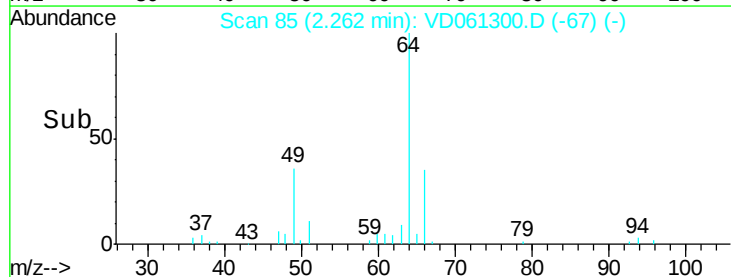
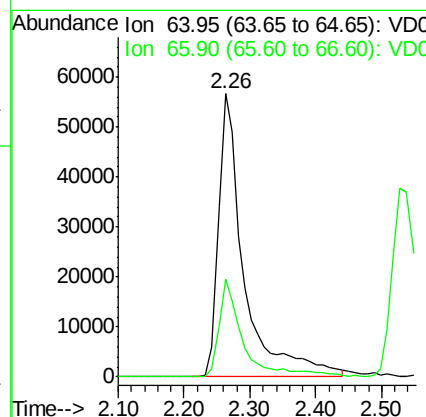
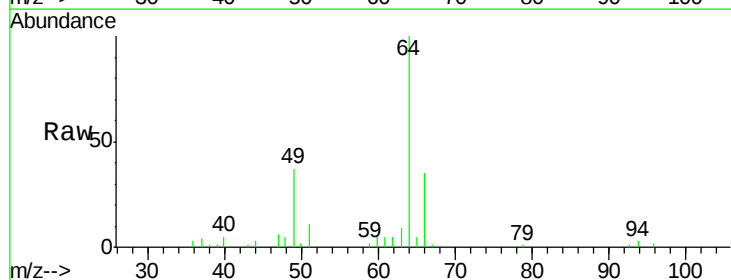
Manual Integrations
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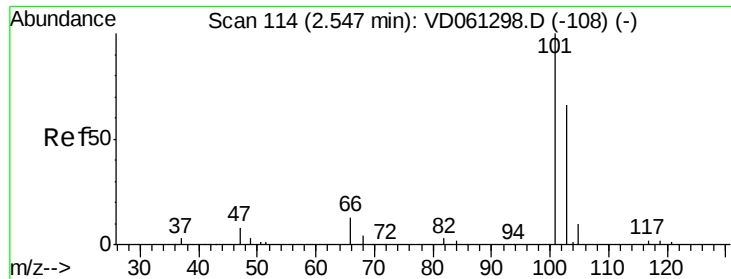
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#6
Chloroethane
Concen: 87.185 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.02 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
64	100		
66	34.6	24.6	36.8





#7

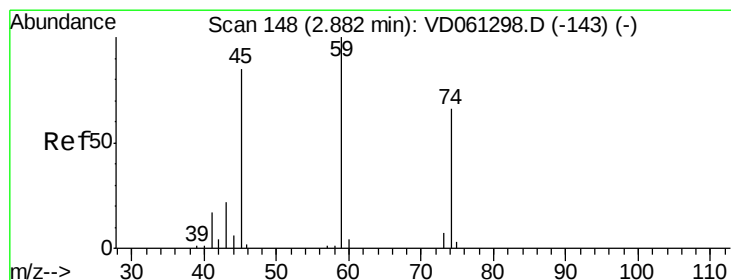
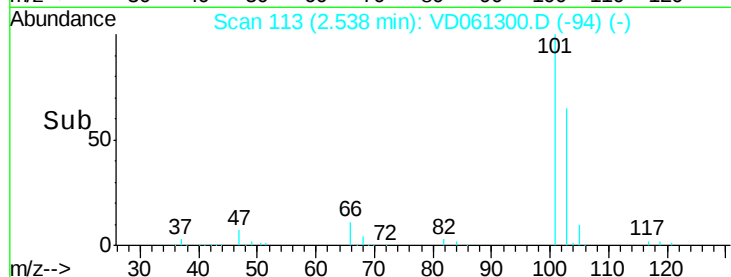
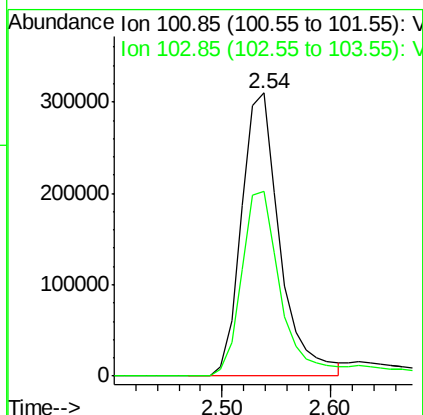
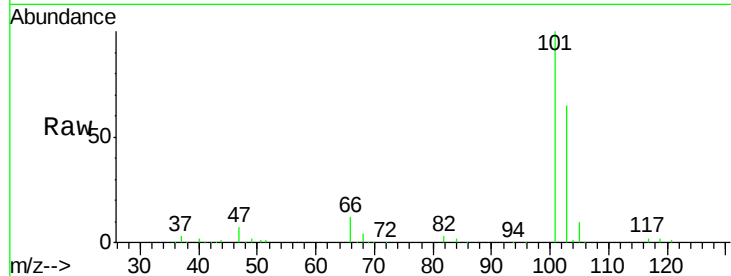
Trichlorofluoromethane
 Concen: 93.621 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Instrument :
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 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.6	79.0

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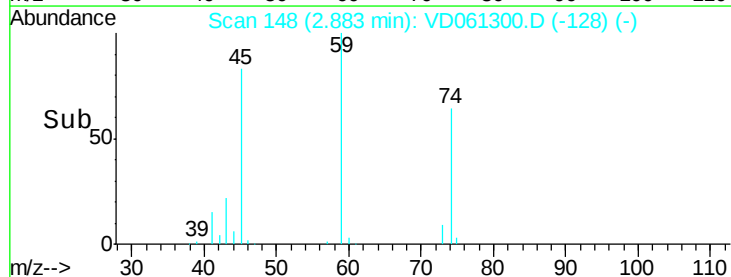
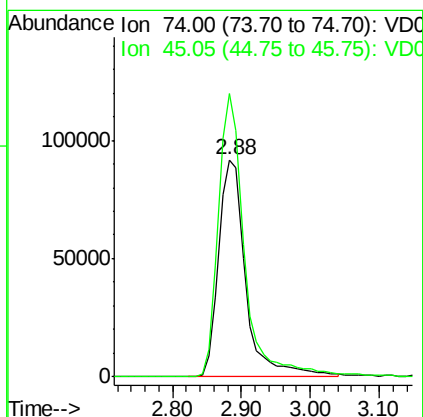
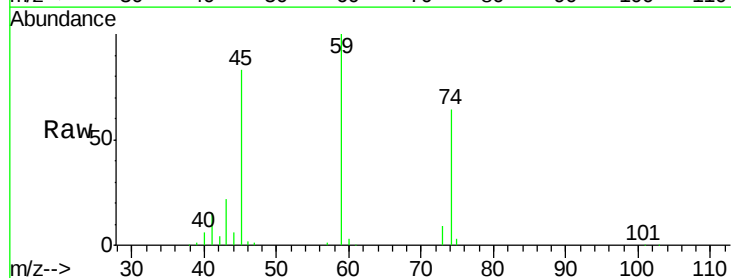
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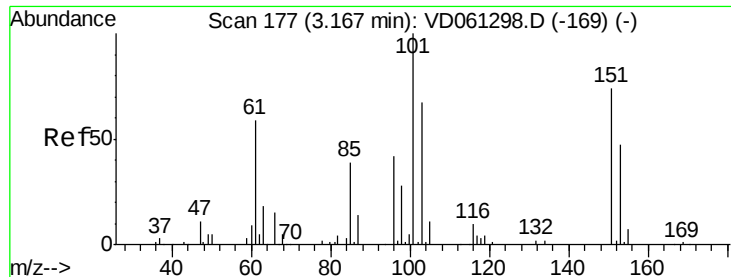


#8

Diethyl Ether
 Concen: 103.712 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	130.3	64.3	192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.836 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

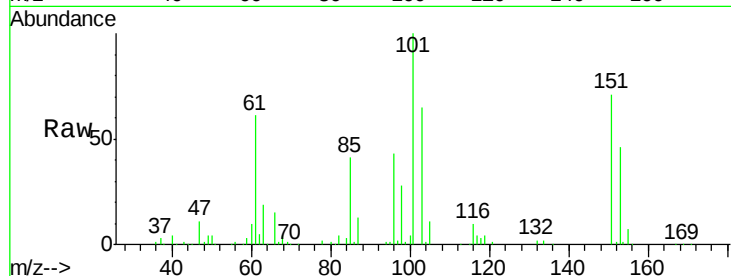
ClientSampleId :

VSTDIC100

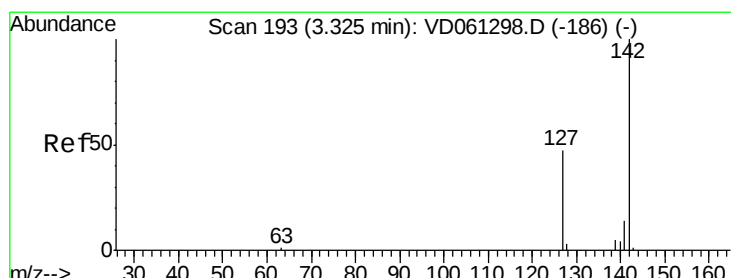
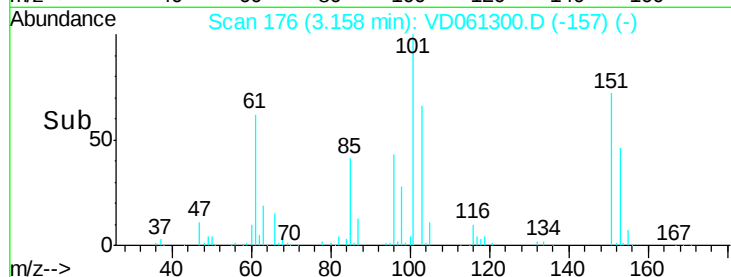
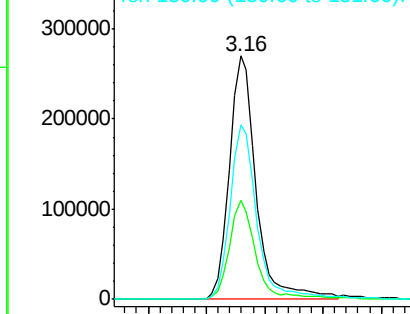
Tot Ion:	101	Resp:	862521
Ion Ratio	Lower	Upper	
101	100		
85	40.7	31.6	47.4
151	71.4	59.3	88.9

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



#10

Methyl Iodide

Concen: 127.472 ug/l

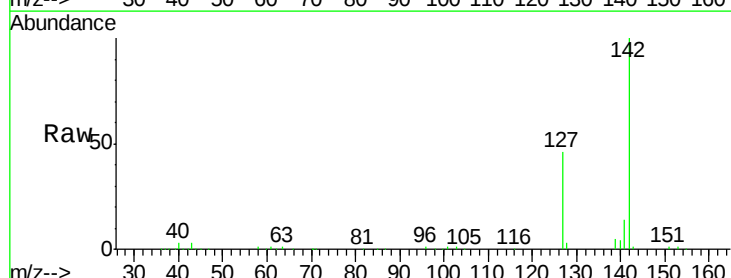
RT: 3.32 min Scan# 192

Delta R.T. -0.01 min

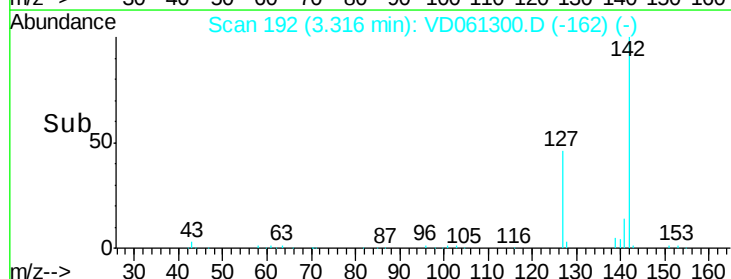
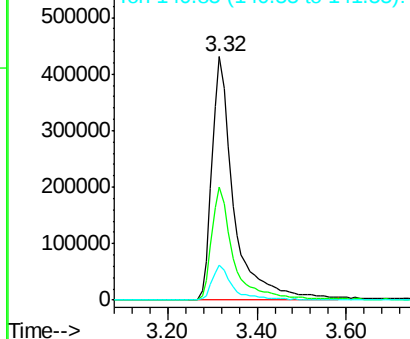
Lab File: VD061300.D

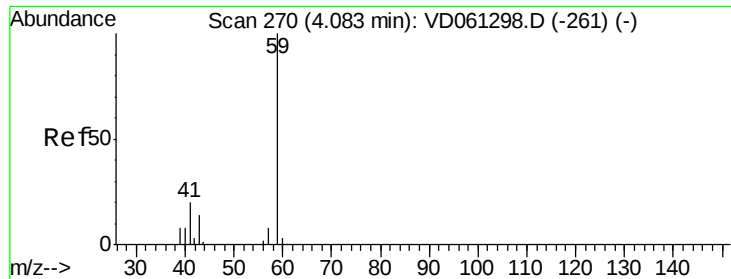
Acq: 25 Mar 2019 13:09

Tgt Ion:	142	Resp:	1479183
Ion Ratio	Lower	Upper	
142	100		
127	46.4	37.8	56.6
141	14.5	11.6	17.4



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





#11

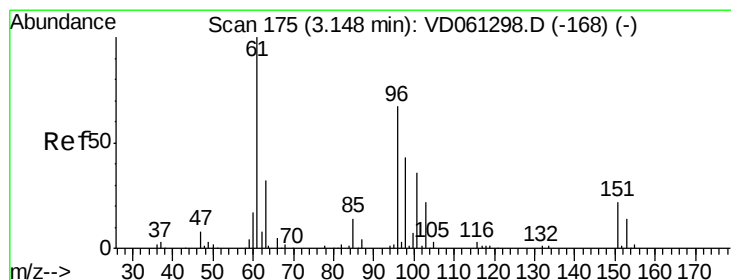
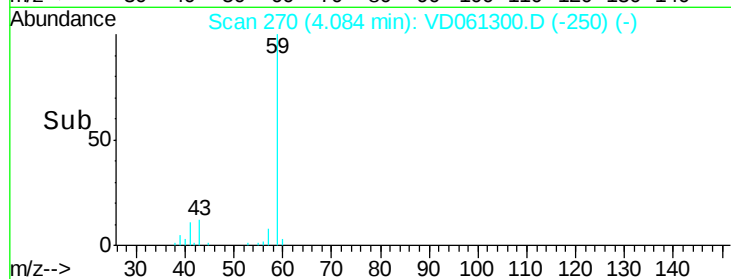
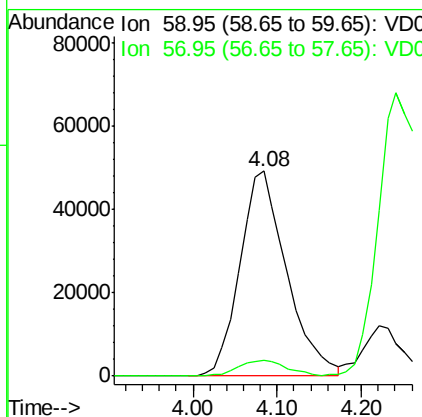
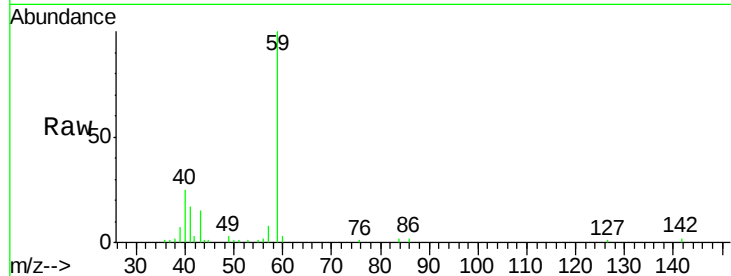
Tert butyl alcohol
Concen: 562.862 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	59	57	Ratio	100	8.0	Resp	191310	Lower	6.6	Upper	9.8
Ion	59	57	Ratio	100	8.0	Resp	191310	Lower	6.6	Upper	9.8

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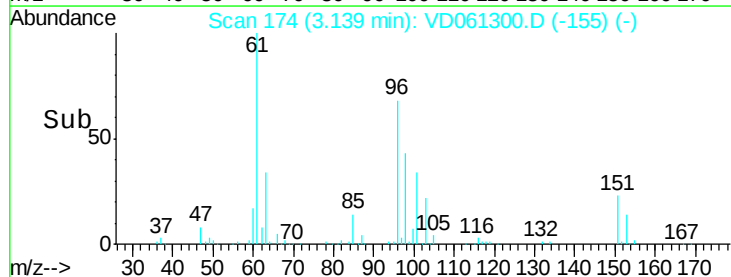
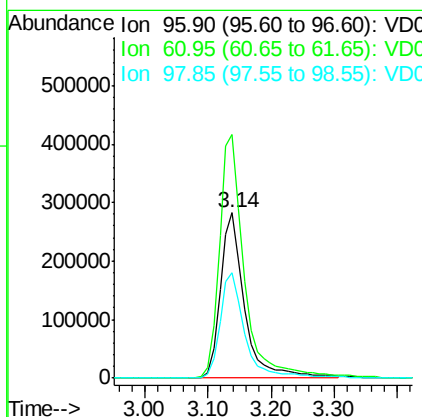
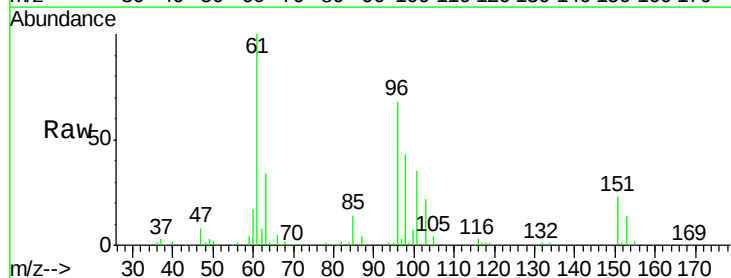
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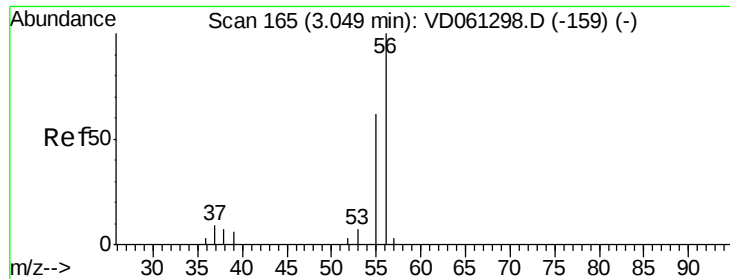


#12

1,1-Dichloroethene
Concen: 105.506 ug/l
RT: 3.14 min Scan# 174
Delta R.T. -0.01 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion	96	61	98	Ratio	100	147.2	63.6	Resp	754020	Lower	120.2	52.2	Upper	180.2	78.4
Ion	96	61	98	Ratio	100	147.2	63.6	Resp	754020	Lower	120.2	52.2	Upper	180.2	78.4





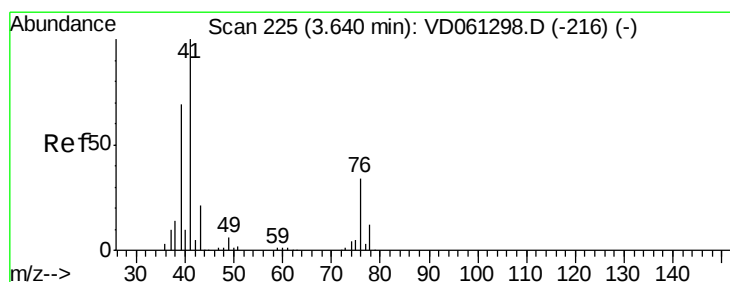
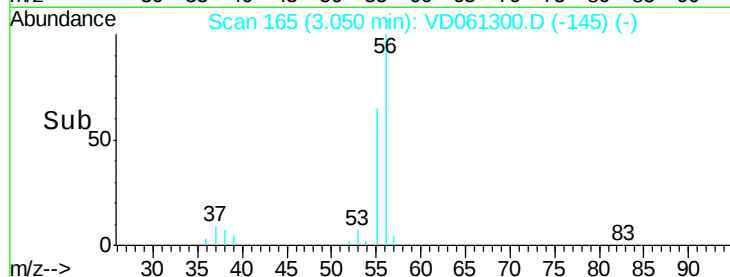
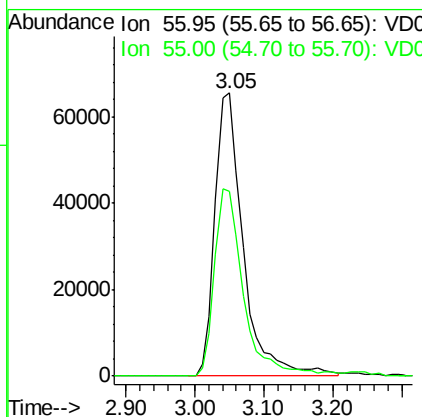
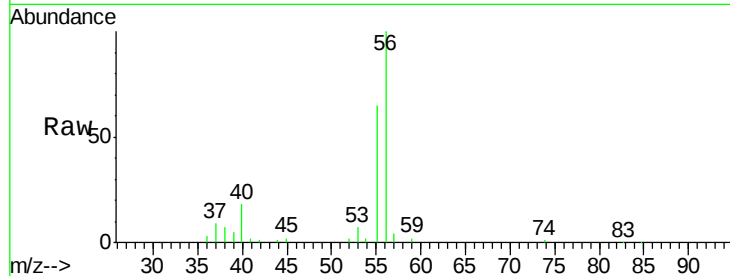
#13
Acrolein
Concen: 503.350 ug/l
RT: 3.05 min Scan# 165
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 187520
Ion Ratio Lower Upper
56 100
55 65.5 49.8 74.6

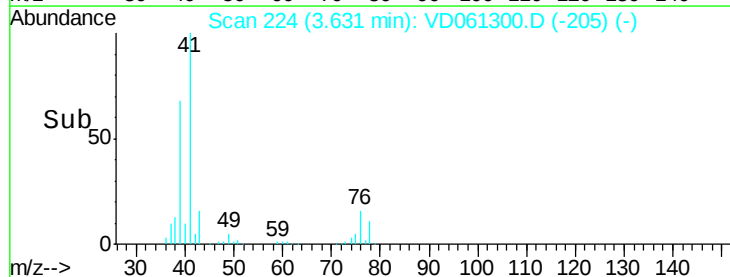
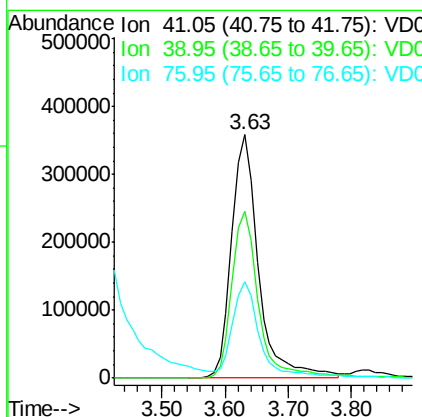
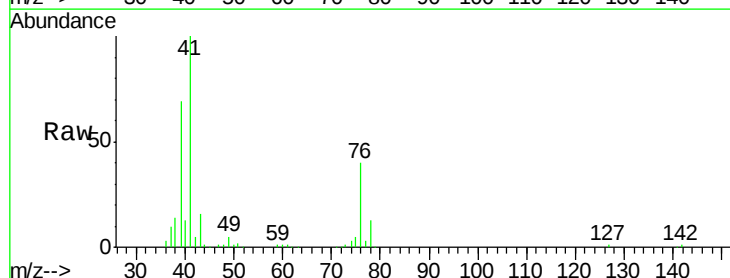
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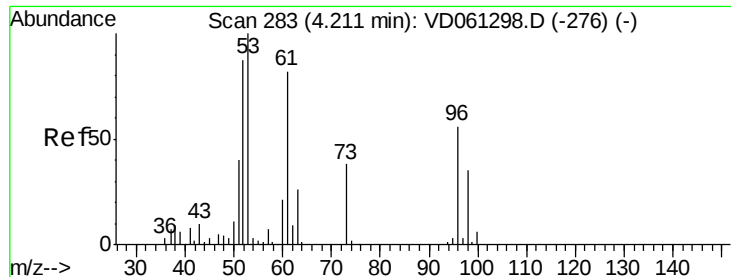
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#14
Allyl chloride
Concen: 104.703 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion: 41 Resp: 1059735
Ion Ratio Lower Upper
41 100
39 68.6 55.1 82.7
76 39.8 30.2 45.2





#15

Acrylonitrile

Concen: 536.777 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

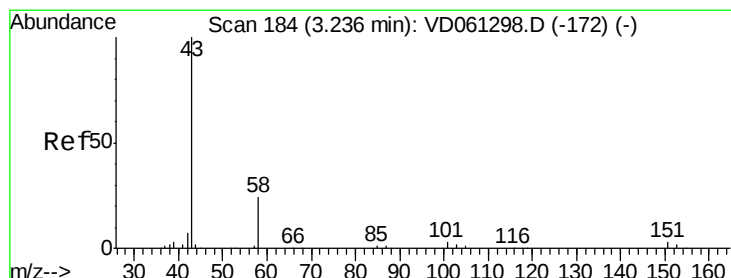
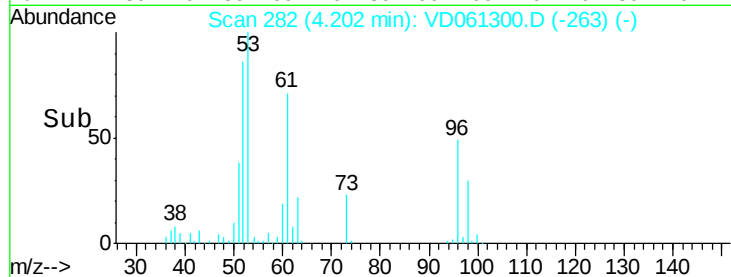
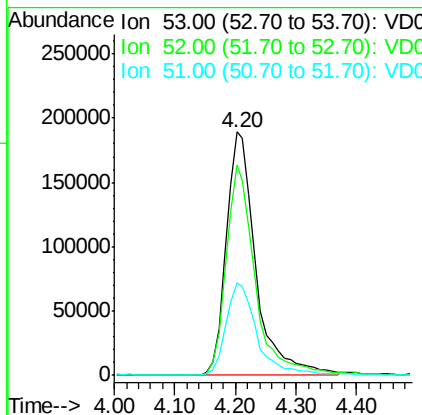
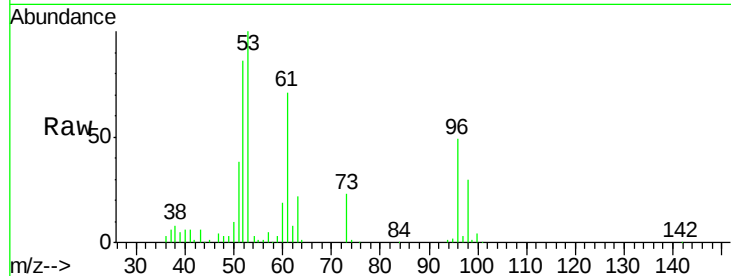
ClientSampleID :

VSTDIC100

Tot Ion:	53	Resp:	641641
Ion	Ratio	Lower	Upper
53	100		
52	86.5	69.4	104.2
51	38.1	31.7	47.5

Manual Integrations
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#16

Acetone

Concen: 574.567 ug/l

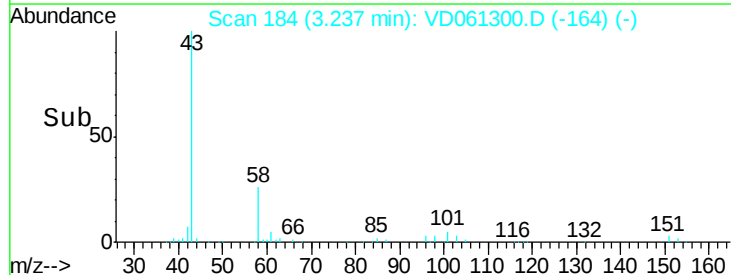
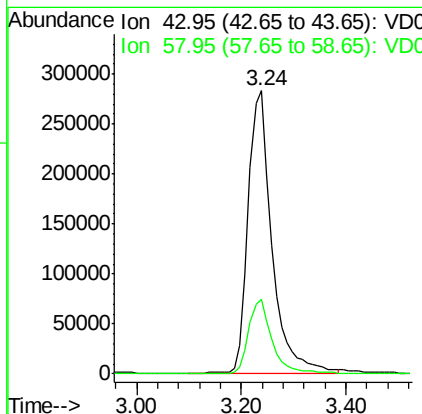
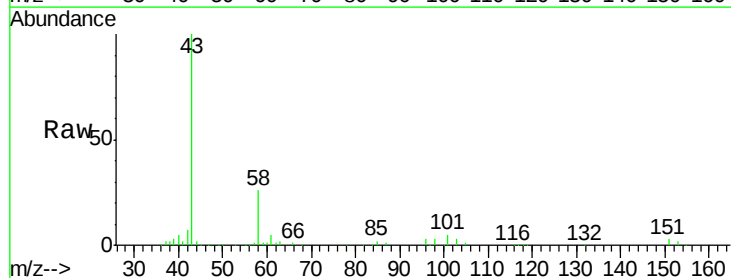
RT: 3.24 min Scan# 184

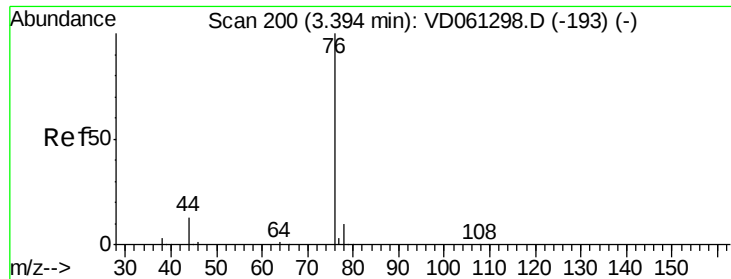
Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Tgt Ion:	43	Resp:	878350
Ion	Ratio	Lower	Upper
43	100		
58	26.3	19.4	29.0





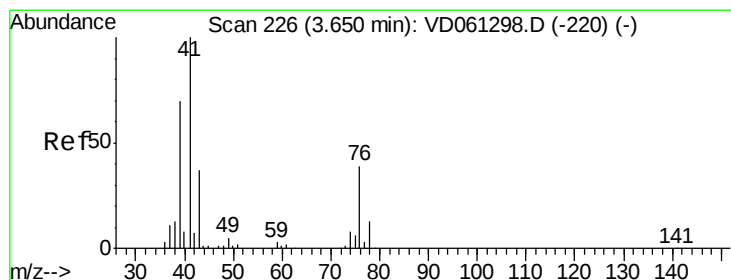
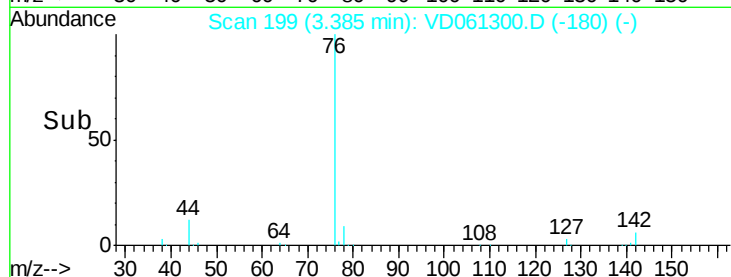
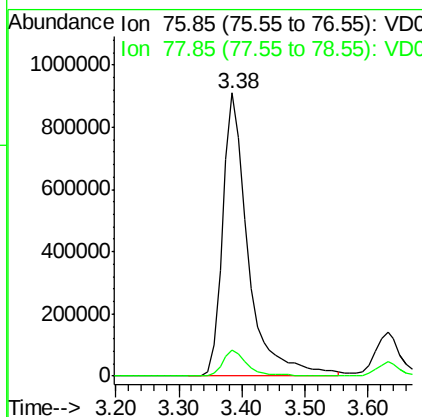
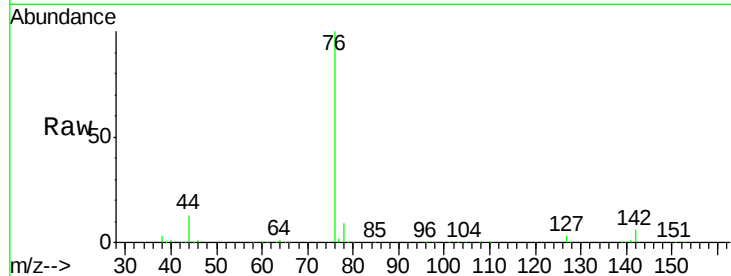
#17
Carbon Disulfide
Concen: 107.662 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampled :
VSTDIC100

Tot Ion: 76 Resp: 2557562
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.6

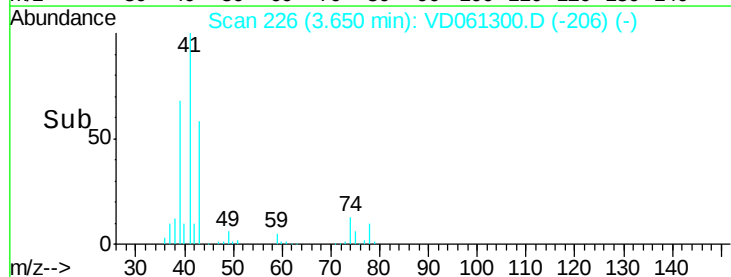
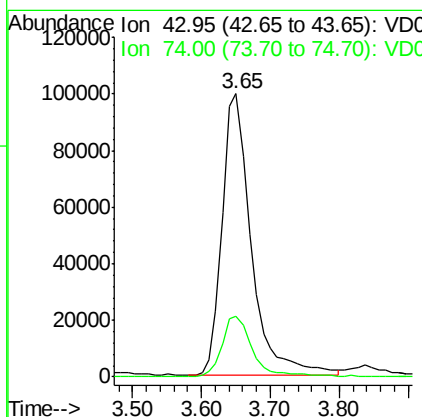
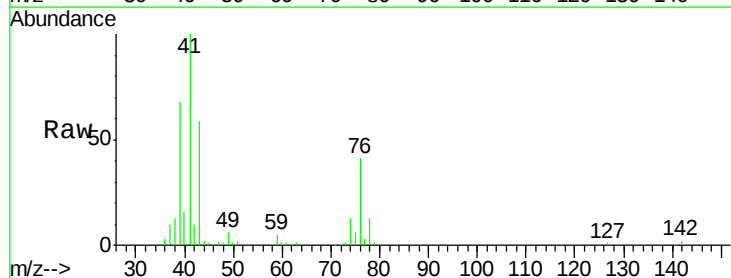
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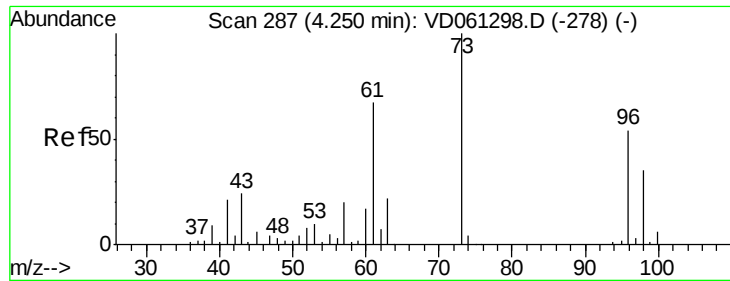
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#18
Methyl Acetate
Concen: 101.849 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion: 43 Resp: 294031
Ion Ratio Lower Upper
43 100
74 21.6 16.6 25.0





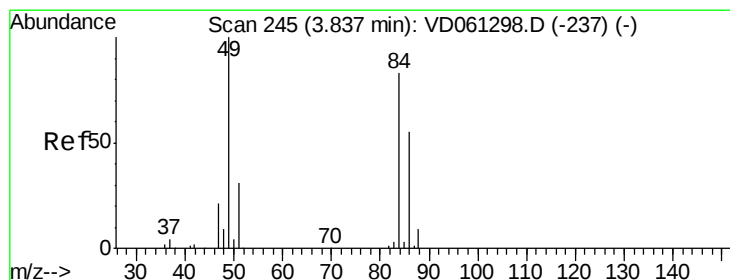
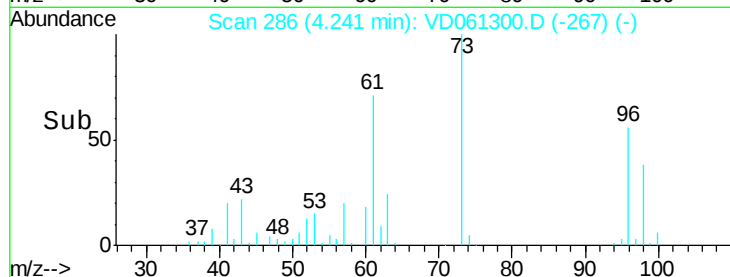
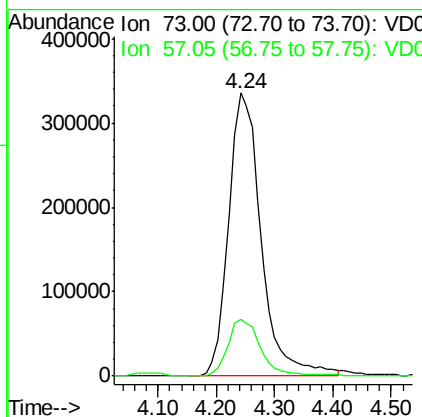
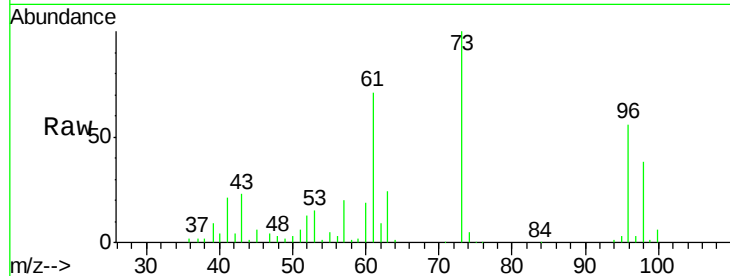
#19
Methyl tert-butyl Ether
Concen: 103.691 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1305831
Ion Ratio Lower Upper
73 100
57 20.3 16.3 24.5

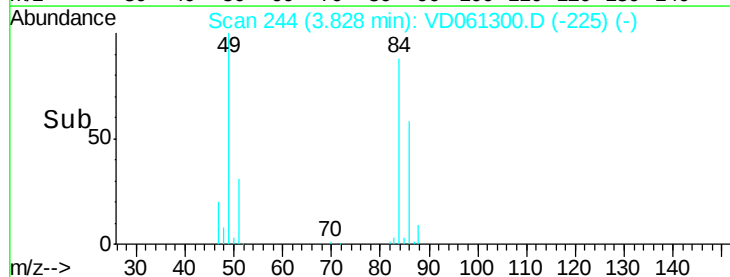
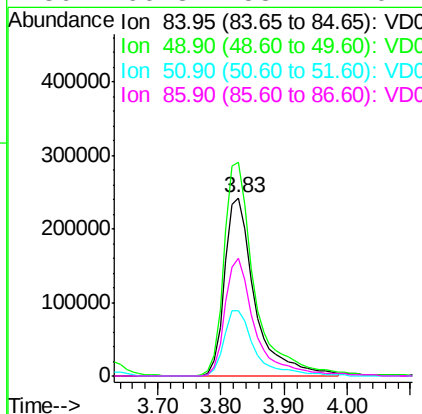
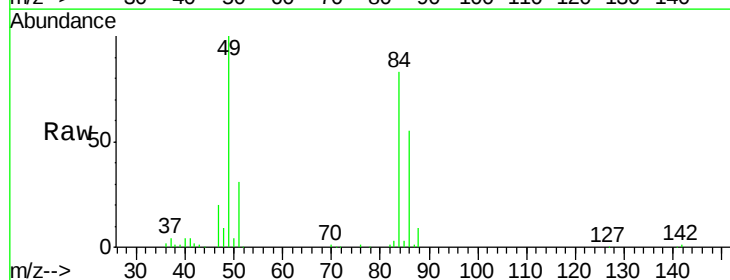
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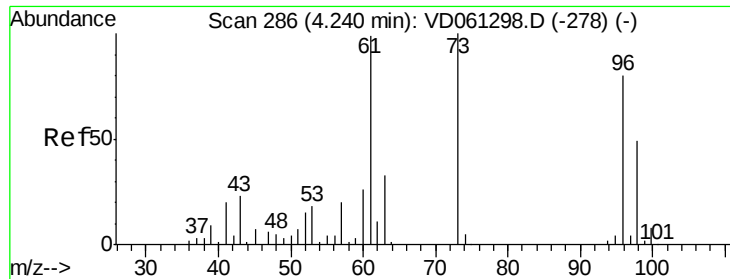
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#20
Methylene Chloride
Concen: 93.484 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.01 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion: 84 Resp: 810398
Ion Ratio Lower Upper
84 100
49 120.0 96.8 145.2
51 37.0 29.9 44.9
86 66.3 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 101.168 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

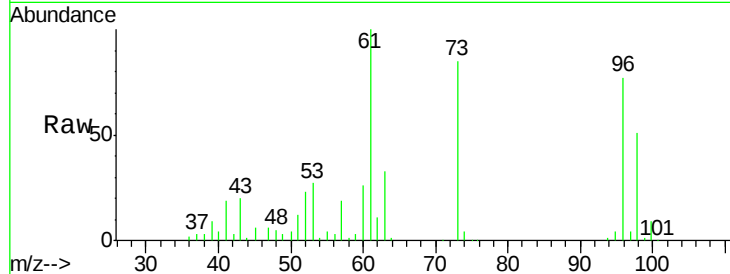
ClientSampleId :

VSTDIC100

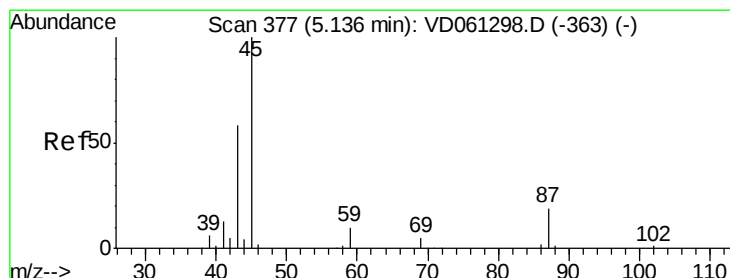
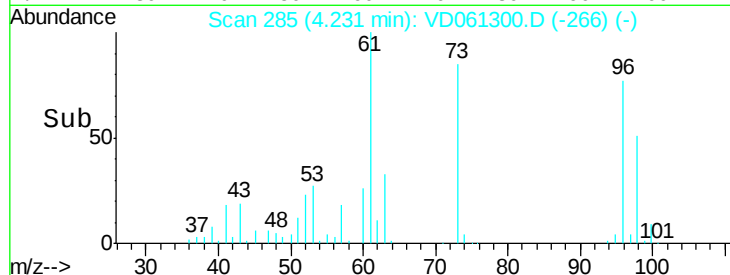
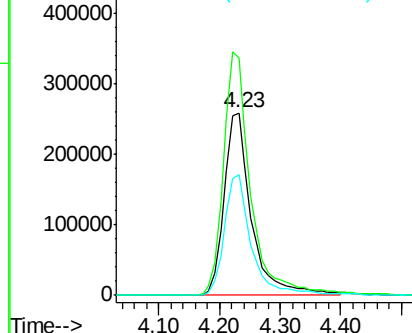
Tot Ion:	96	Resp:	809277
Ion	Ratio	Lower	Upper
96	100		
61	129.8	99.2	148.8
98	66.5	49.2	73.8

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 102.494 ug/l

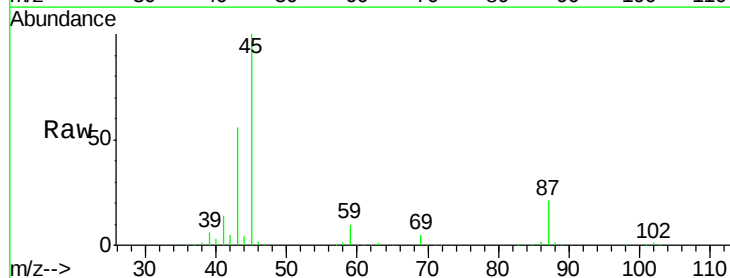
RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

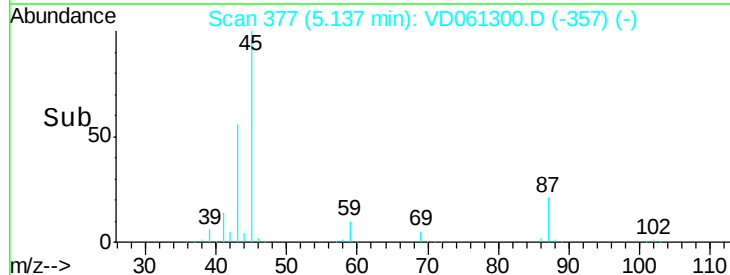
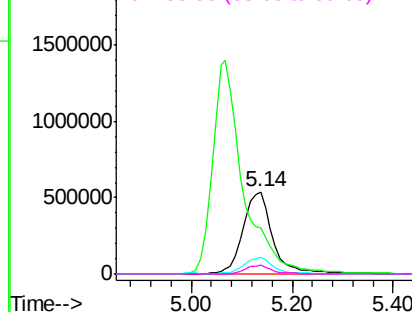
Lab File: VD061300.D

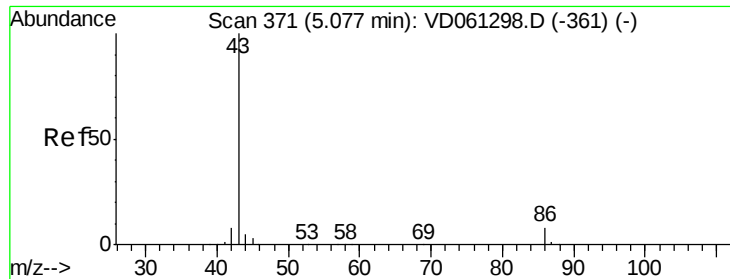
Acq: 25 Mar 2019 13:09

Tgt Ion:	45	Resp:	2185124
Ion	Ratio	Lower	Upper
45	100		
43	55.6	46.7	70.1
87	20.5	15.5	23.3
59	10.3	8.4	12.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





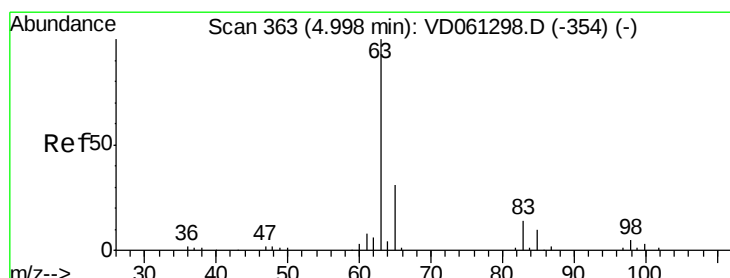
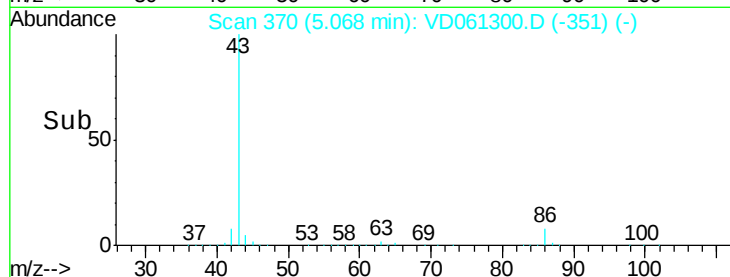
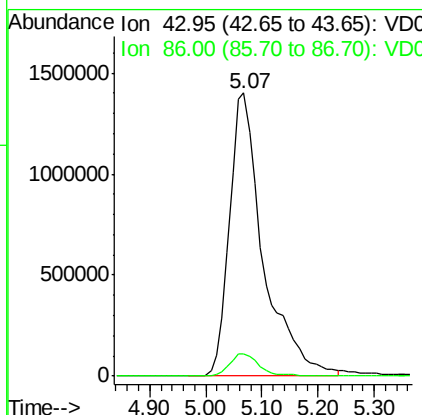
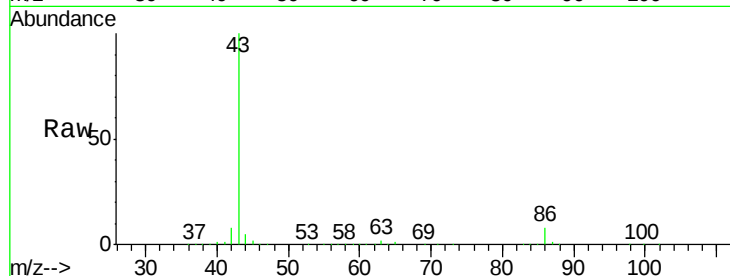
#23
 Vinyl Acetate
 Concen: 516.213 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 5875177
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.3 9.5

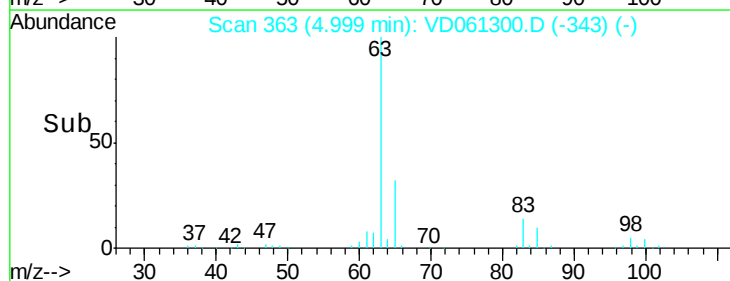
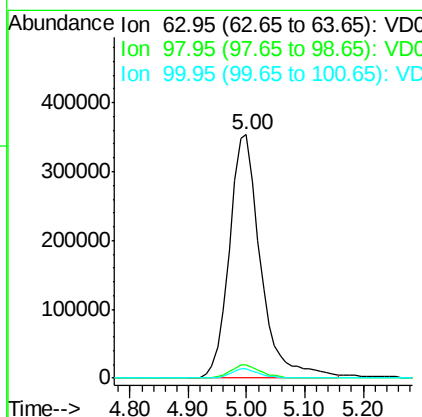
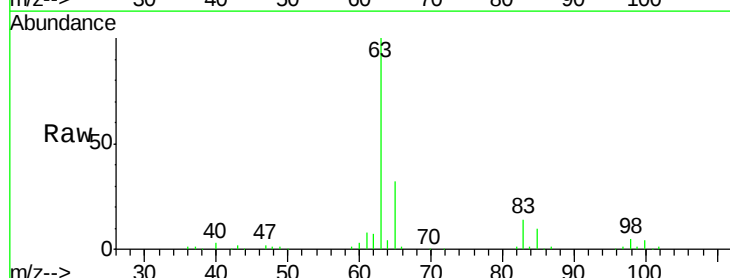
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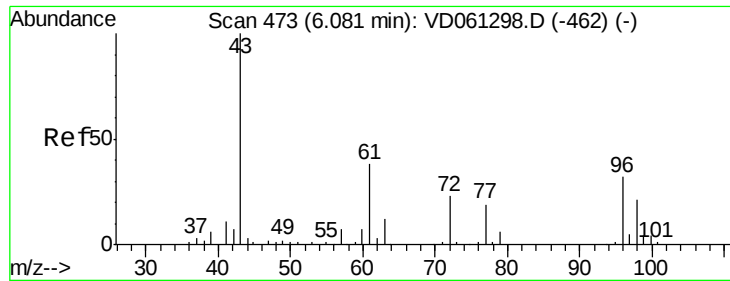
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#24
 1,1-Dichloroethane
 Concen: 106.063 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion: 63 Resp: 1319648
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.3
 100 3.8 1.6 4.8





#25

2-Butanone

Concen: 538.192 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 950704

Ion Ratio Lower Upper

43 100

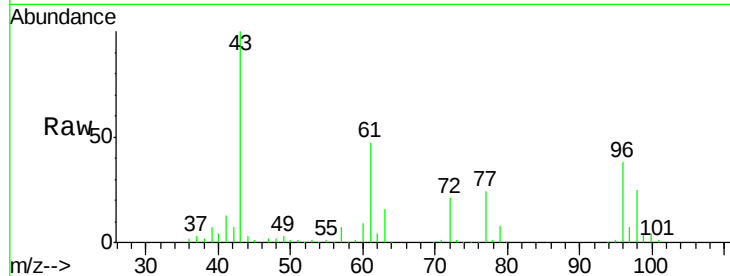
72 21.3 18.5 27.7

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.07

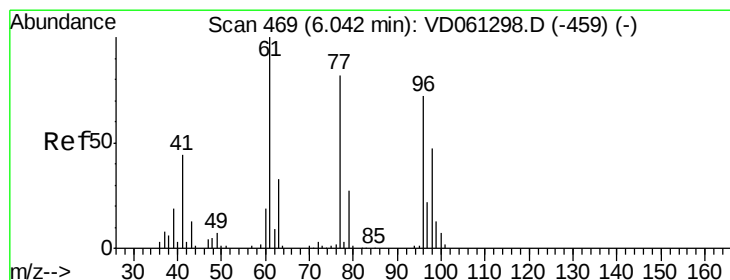
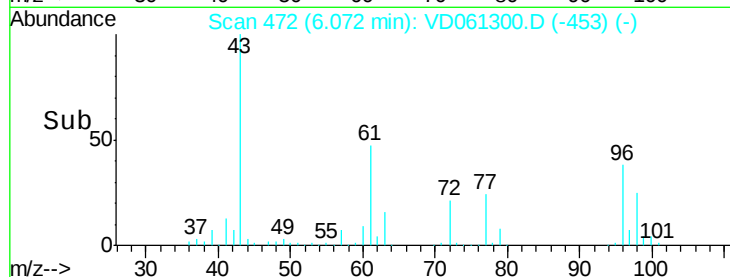
300000

200000

100000

0

Time--> 5.90 6.00 6.10 6.20



#26

2,2-Dichloropropane

Concen: 98.500 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD061300.D

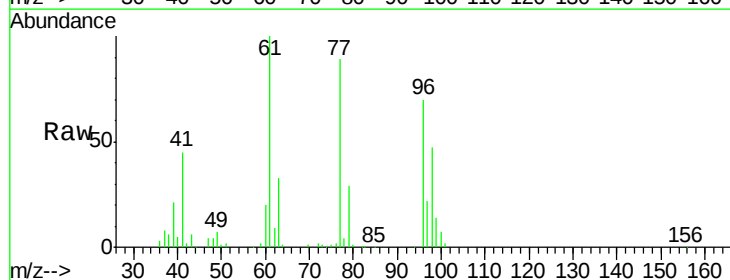
Acq: 25 Mar 2019 13:09

Tgt Ion: 77 Resp: 1039423

Ion Ratio Lower Upper

77 100

97 25.3 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.03

300000

250000

200000

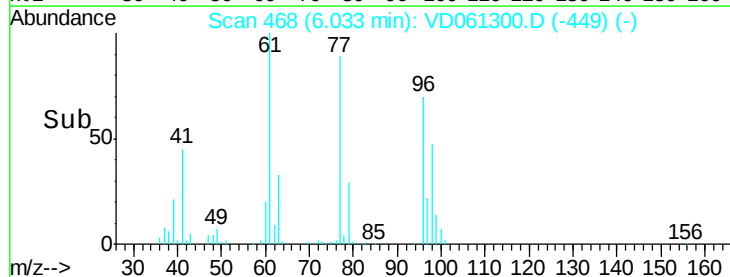
150000

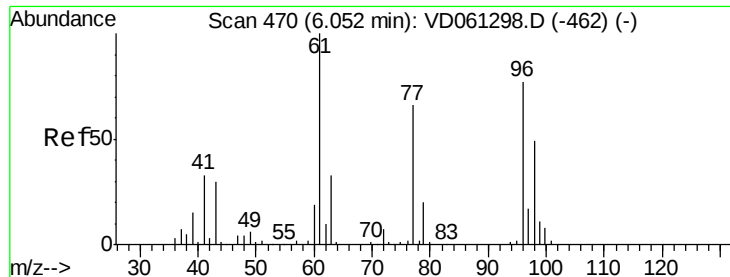
100000

50000

0

Time--> 5.90 6.00 6.10 6.20





#27

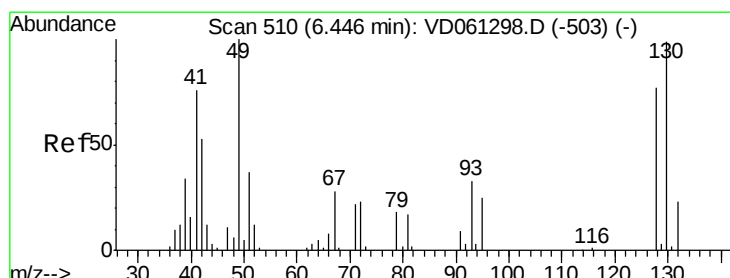
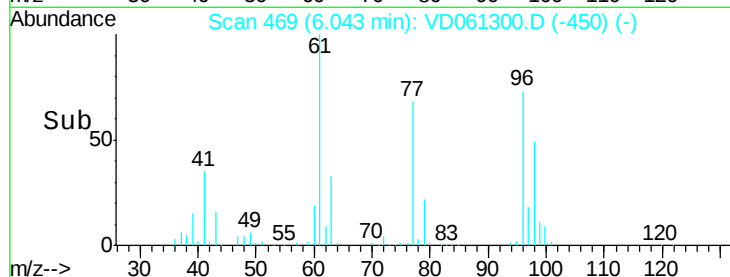
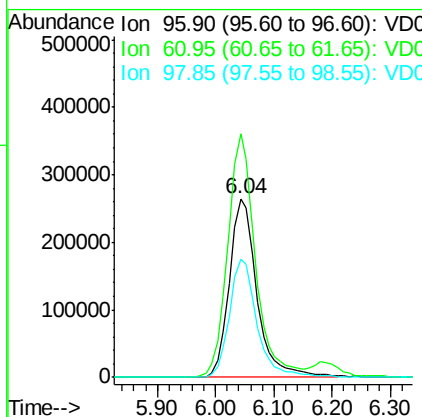
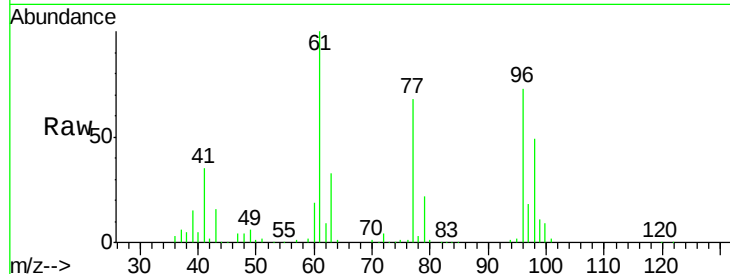
cis-1,2-Dichloroethene
Concen: 101.656 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	874433		
61	136.5	0.0	261.0	
98	66.4	0.0	127.6	

Manual Integrations
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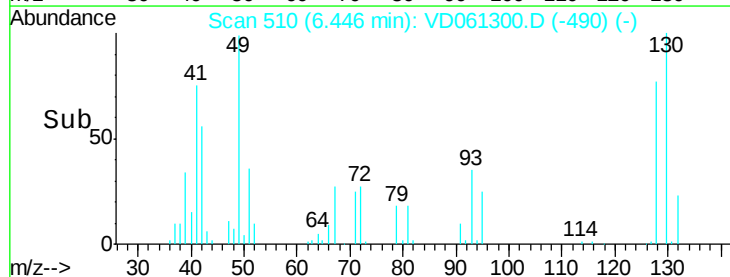
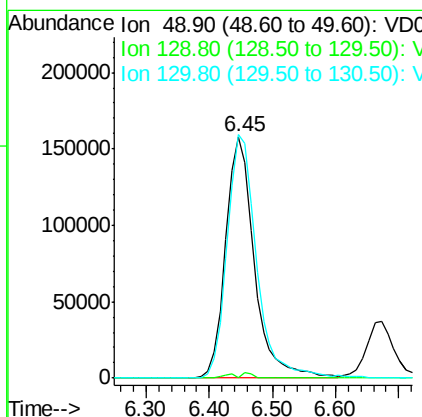
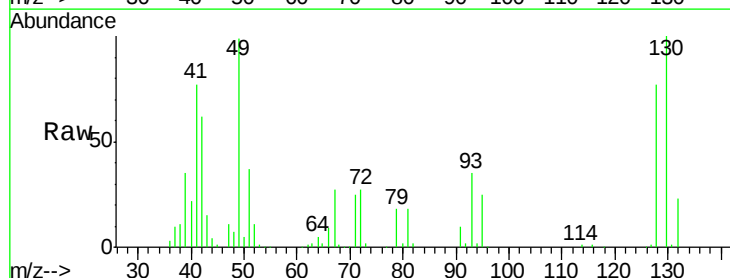
MMDadoda
3/26/2019 12:28:33 PM

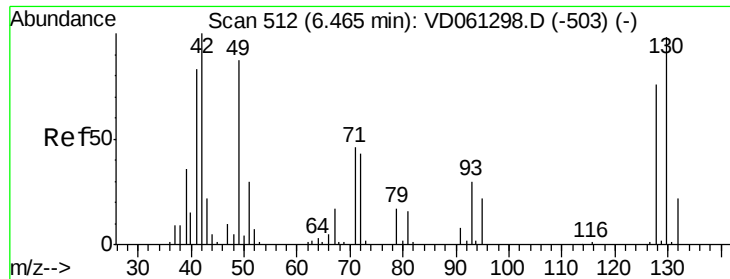


#28

Bromochloromethane
Concen: 95.795 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	498930		
129	0.0	0.0	5.2	
130	100.8	79.0	118.6	





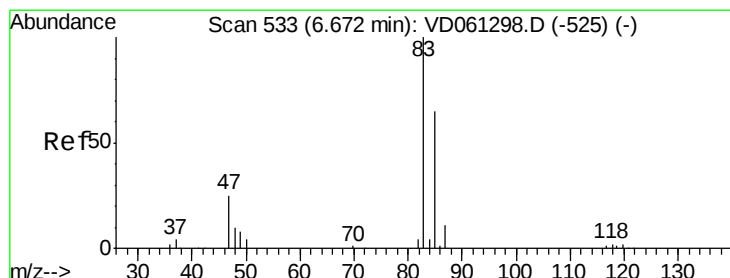
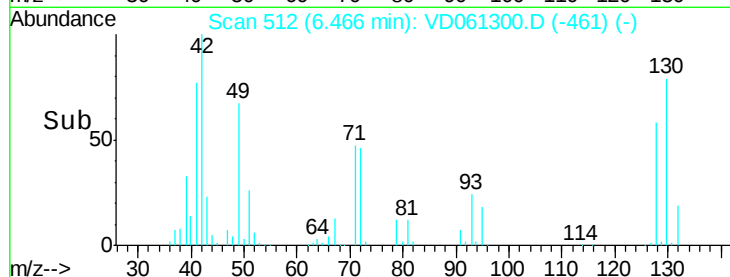
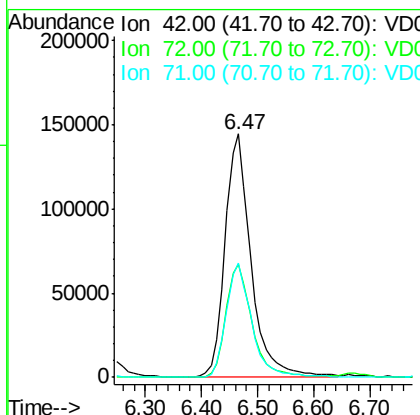
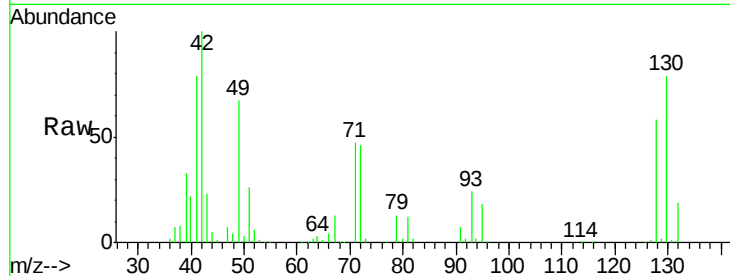
#29
Tetrahydrofuran
Concen: 530.387 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	36.6	54.8
71	46.3	36.3	54.5

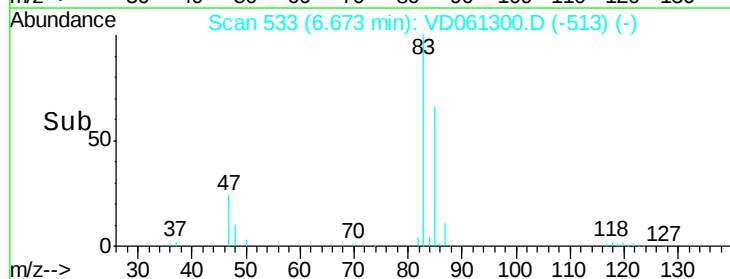
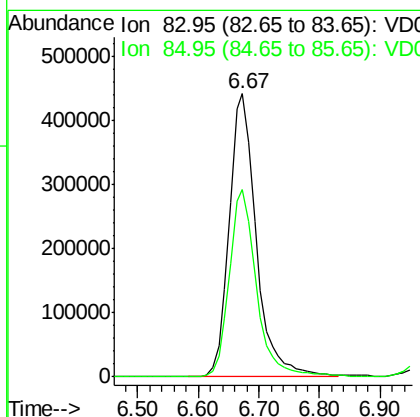
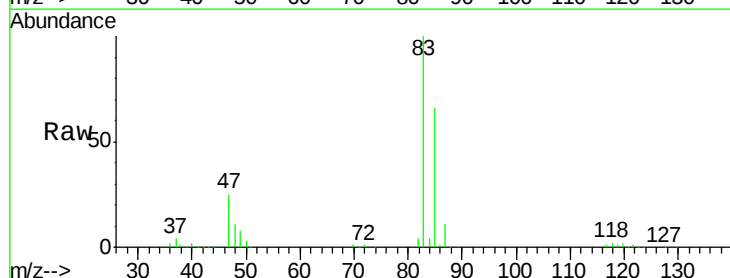
Manual Integrations
APPROVED

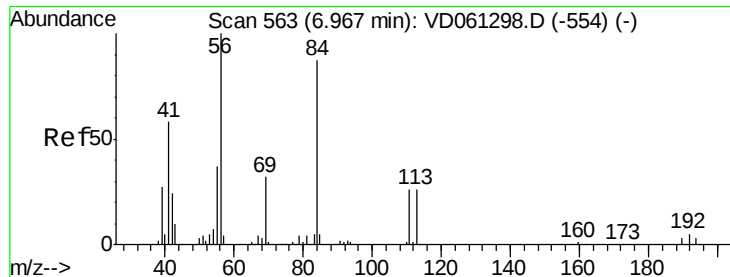
MMDadoda
3/26/2019 12:28:33 PM



#30
Chloroform
Concen: 103.633 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.2





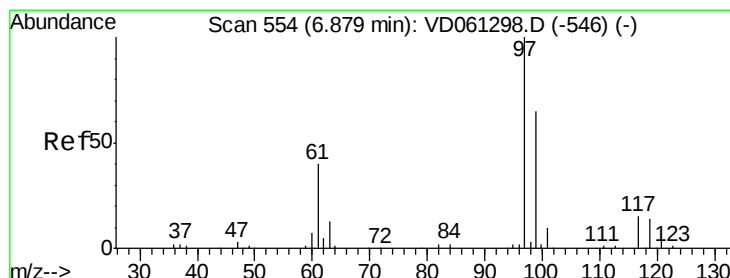
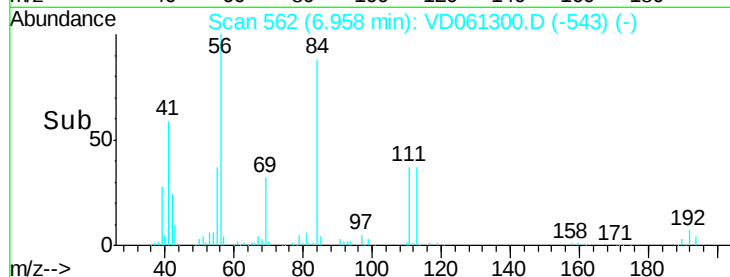
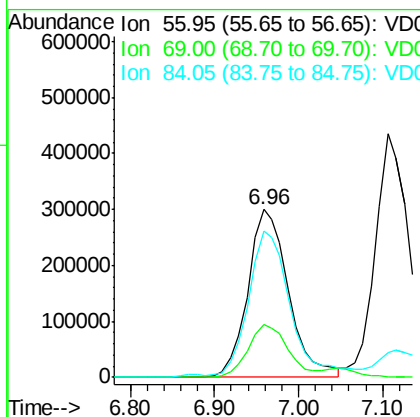
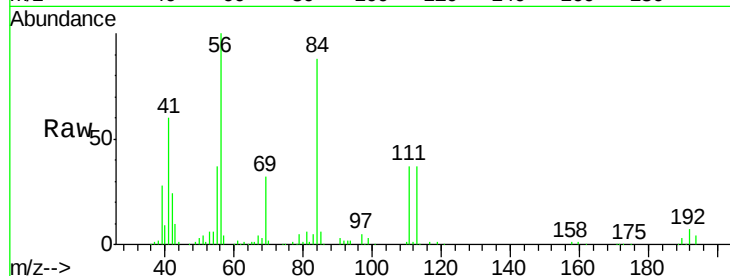
#31
Cyclohexane
Concen: 100.469 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion: 56 Resp: 1014638
Ion Ratio Lower Upper
56 100
69 31.7 25.5 38.3
84 87.6 71.4 107.2

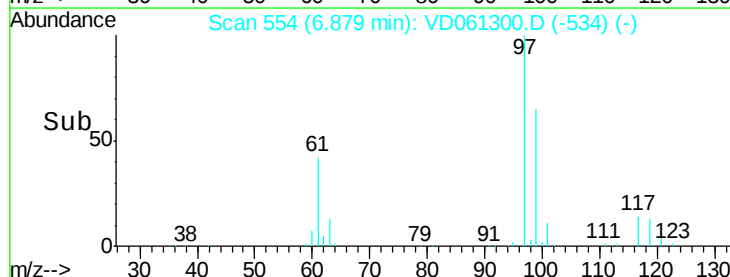
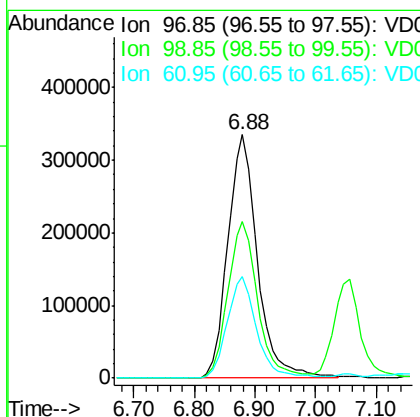
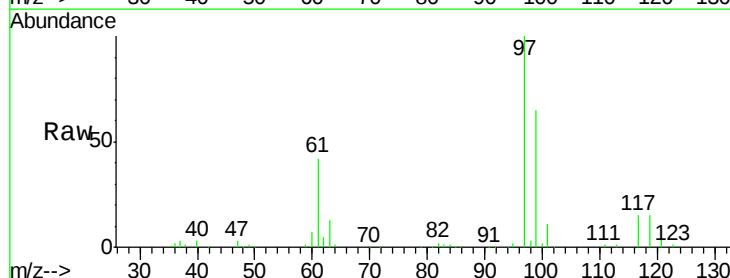
Manual Integrations
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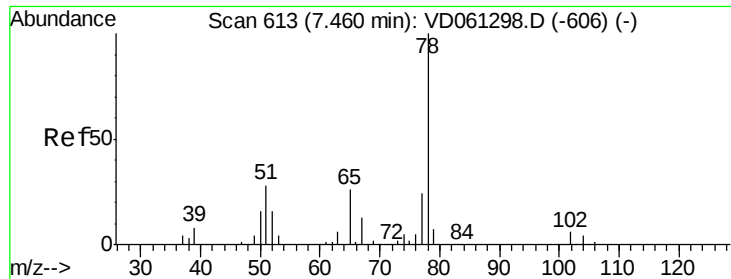
MMDadoda
3/26/2019 12:28:33 PM



#32
1,1,1-Trichloroethane
Concen: 96.594 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion: 97 Resp: 1134667
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.6
61 41.6 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 96.594 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 603484

Ion Ratio Lower Upper

65 100

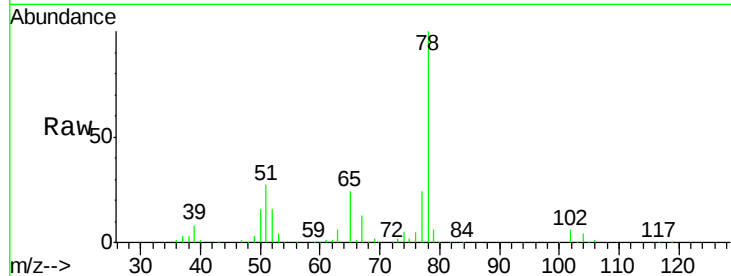
67 52.1 0.0 100.8

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

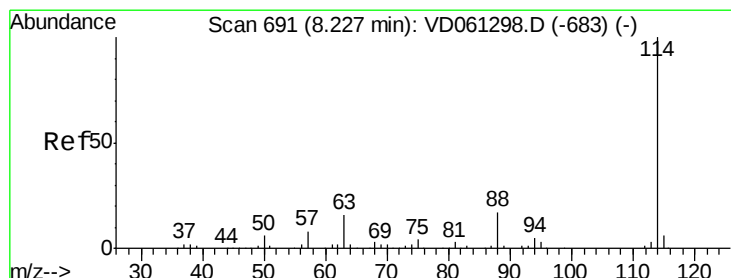
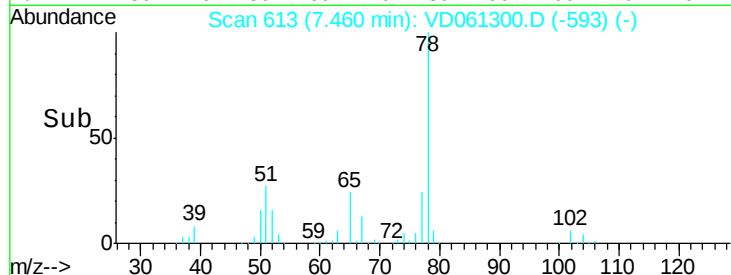
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

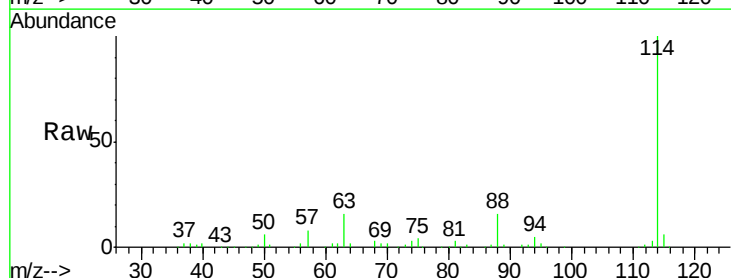
Tgt Ion: 114 Resp: 1272922

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.4

88 15.6 0.0 33.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

300000

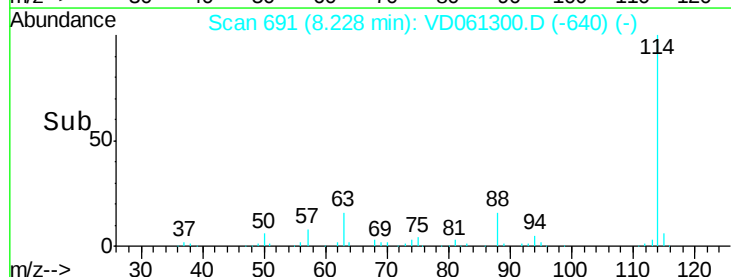
200000

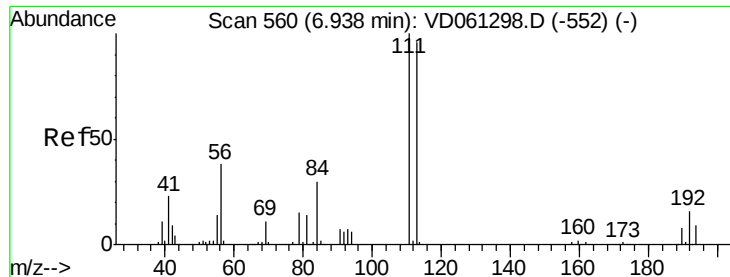
100000

0

8.00 8.20 8.40 8.60

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

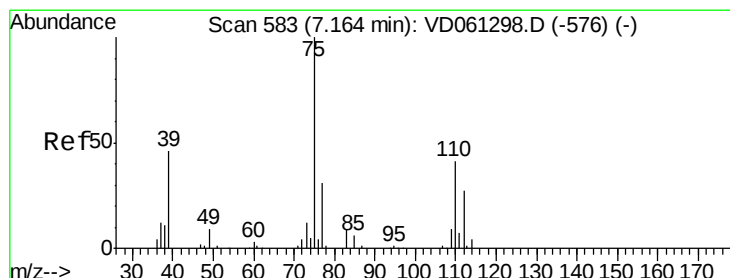
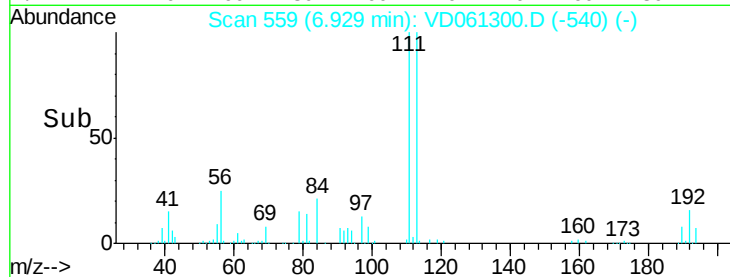
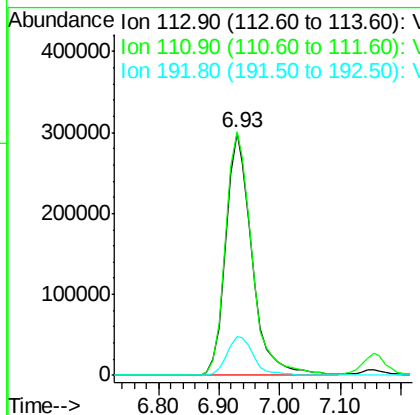
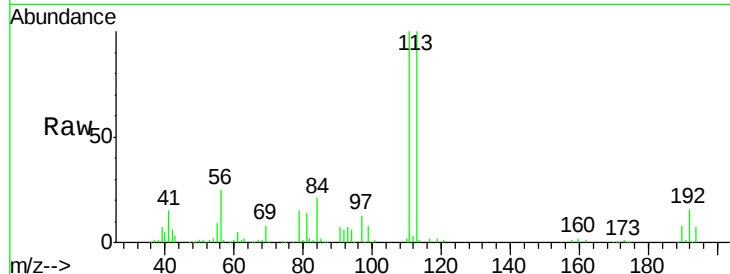
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	896193
Ion Ratio	Lower	Upper	
113	100		
111	100.3	83.7	125.5
192	16.2	13.4	20.0

Manual Integrations
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3/26/2019 12:28:33 PM



#36

1,1-Dichloropropene

Concen: 98.838 ug/l

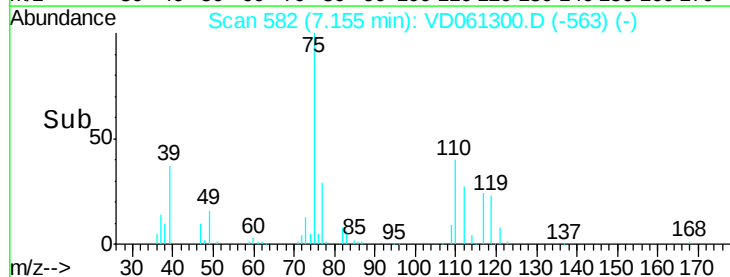
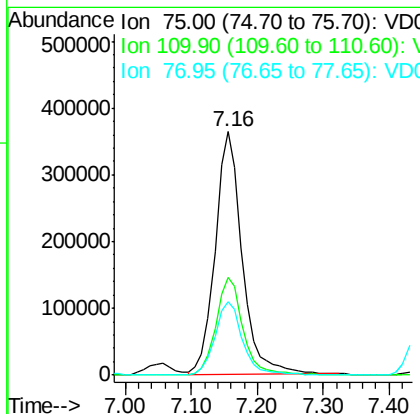
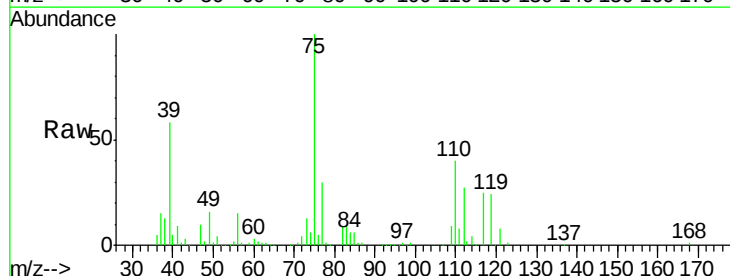
RT: 7.16 min Scan# 582

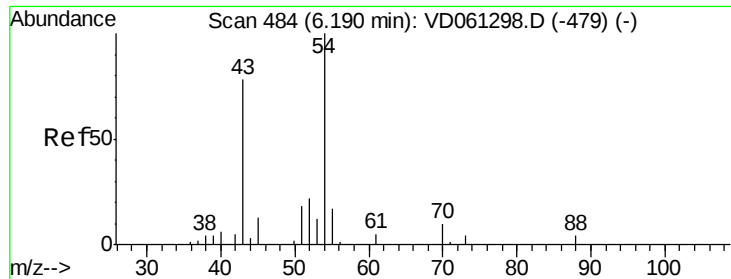
Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Tgt Ion:	75	Resp:	1028983
Ion Ratio	Lower	Upper	
75	100		
110	40.3	20.1	60.2
77	30.1	24.3	36.5





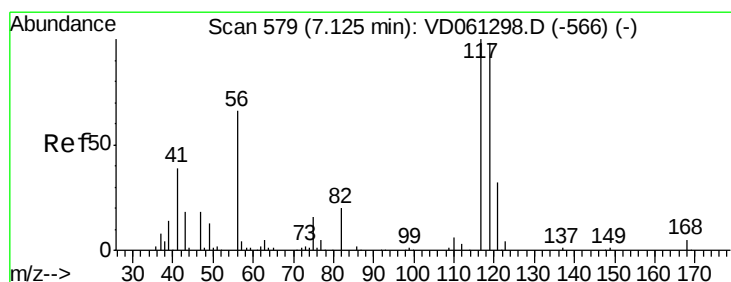
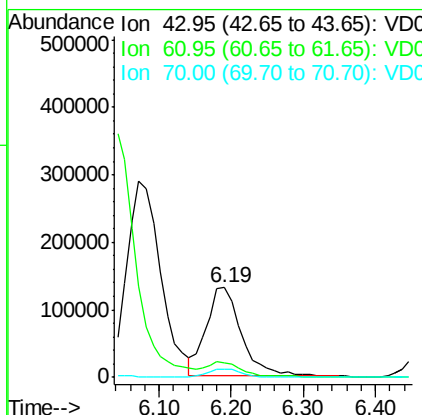
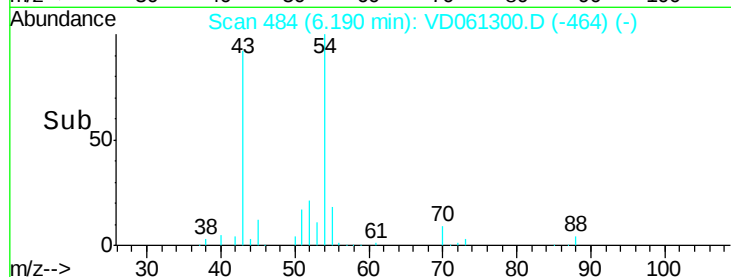
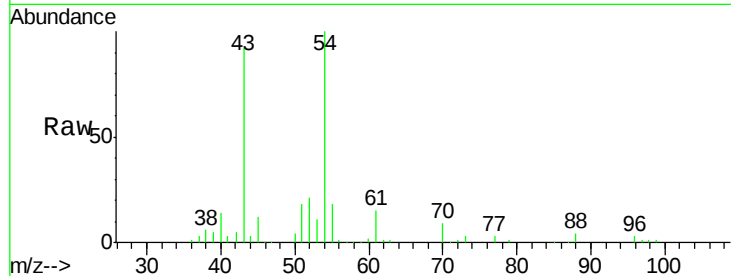
#37
Ethyl Acetate
Concen: 102.443 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.6	19.0
70	9.6	8.2	12.4

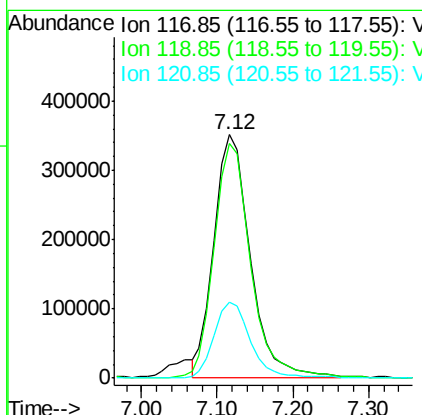
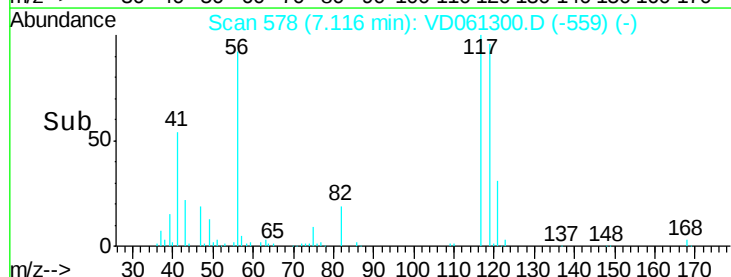
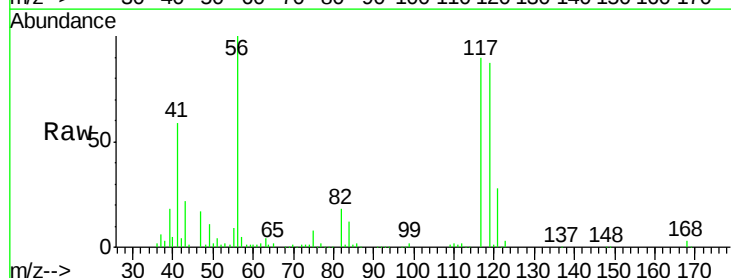
Manual Integrations
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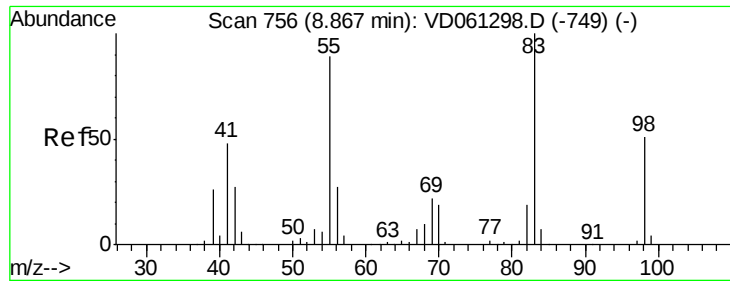
MMDadoda
3/26/2019 12:28:33 PM



#38
Carbon Tetrachloride
Concen: 96.401 ug/l m
RT: 7.12 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.4	117.6
121	31.2	25.1	37.7





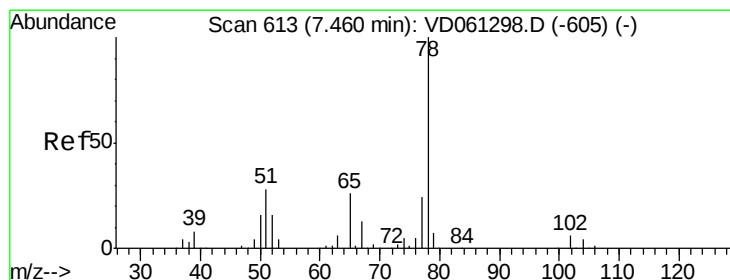
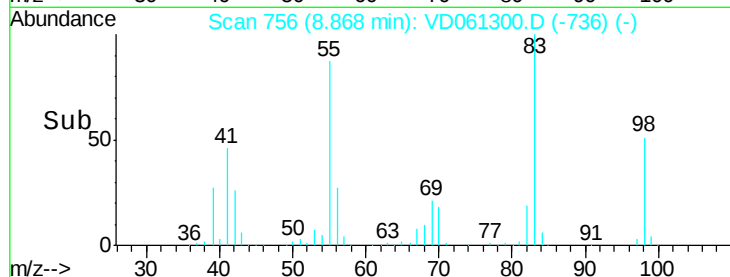
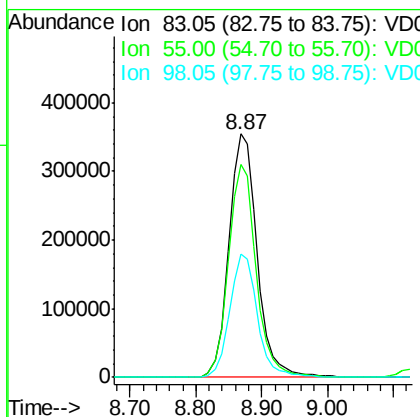
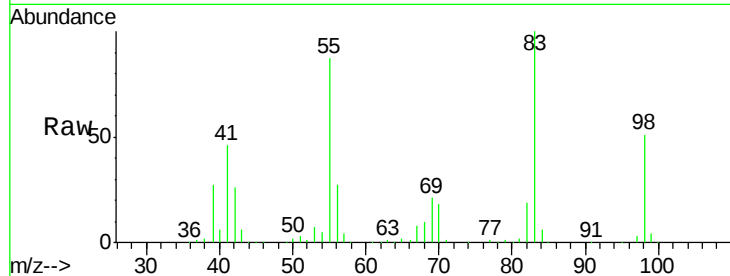
#39
Methvlcvclohexane
Concen: 98.592 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1063952
Ion Ratio Lower Upper
83 100
55 87.3 71.3 106.9
98 50.6 40.4 60.6

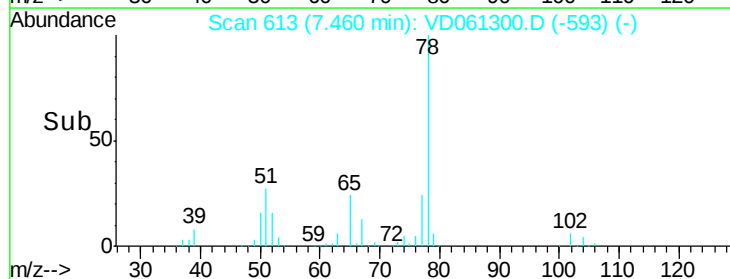
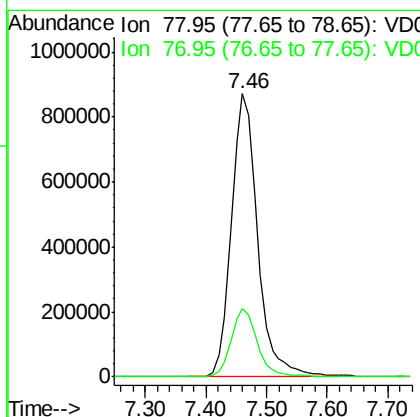
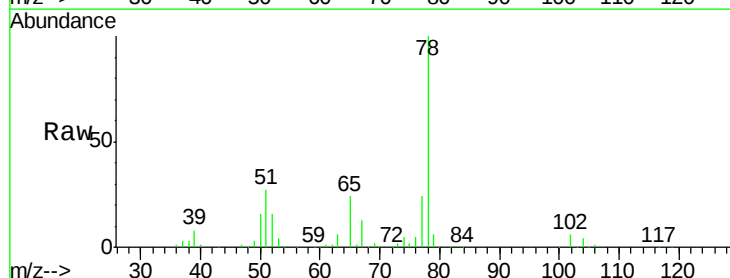
Manual Integrations
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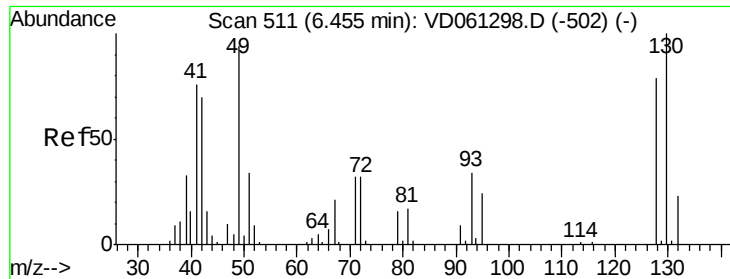
MMDadoda
3/26/2019 12:28:33 PM



#40
Benzene
Concen: 101.161 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion: 78 Resp: 2618207
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2





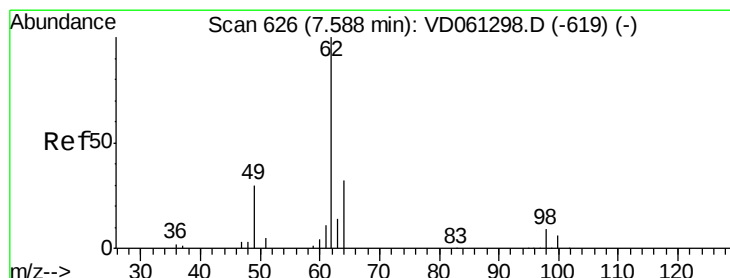
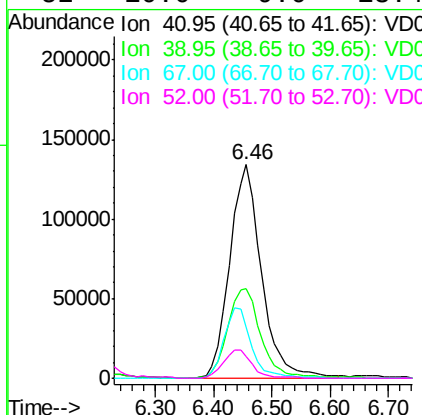
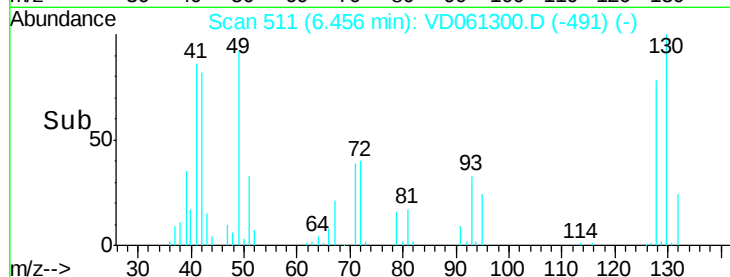
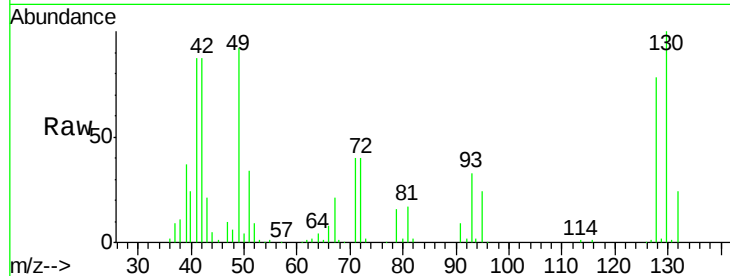
#41
Methacrylonitrile
Concen: 99.942 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
505308	41	100		
	39	41.8	34.2	51.2
	67	24.0	21.8	32.6
	52	10.0	9.0	13.4

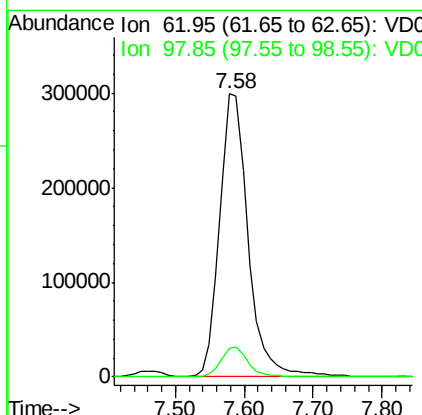
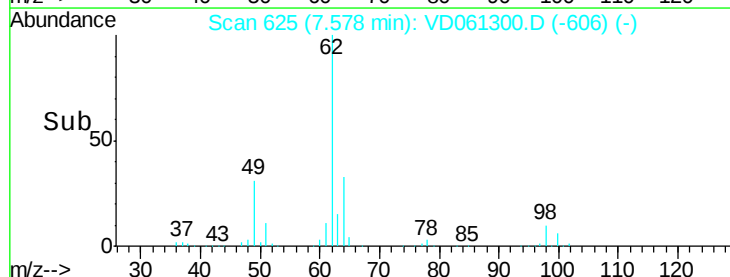
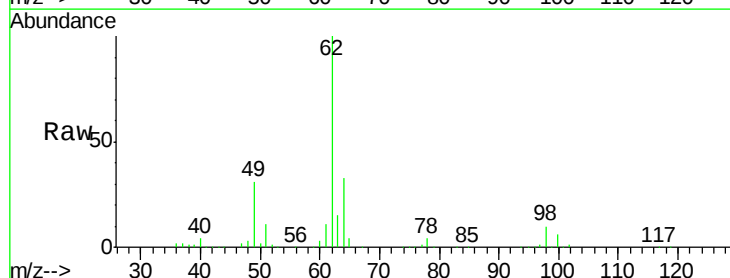
Manual Integrations
APPROVED

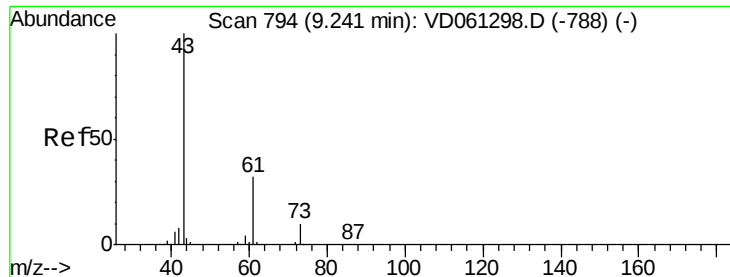
MMDadoda
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#42
1,2-Dichloroethane
Concen: 106.321 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion	Ion	Ratio	Lower	Upper
857471	62	100		
	98	10.1	0.0	18.6





#43

Isopropyl Acetate

Concen: 109.659 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

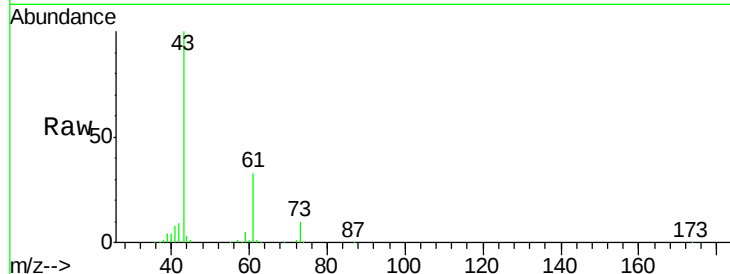
ClientSampleId :

VSTDIC100

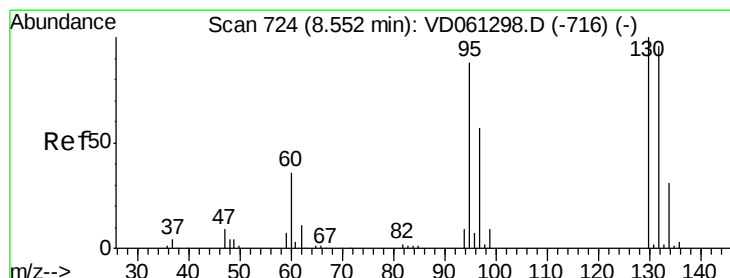
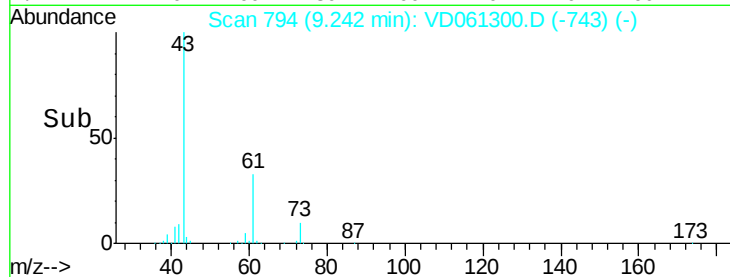
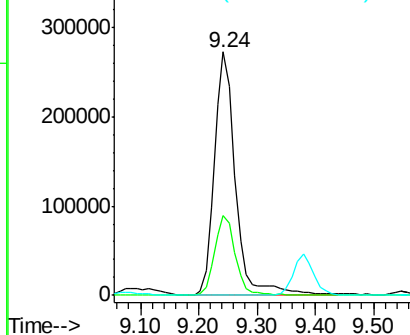
Tot Ion:	43	Resp:	687798
Ion	Ratio	Lower	Upper
43	100		
61	32.8	25.8	38.8
87	0.3	0.3	0.5#

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



#44

Trichloroethene

Concen: 106.222 ug/l

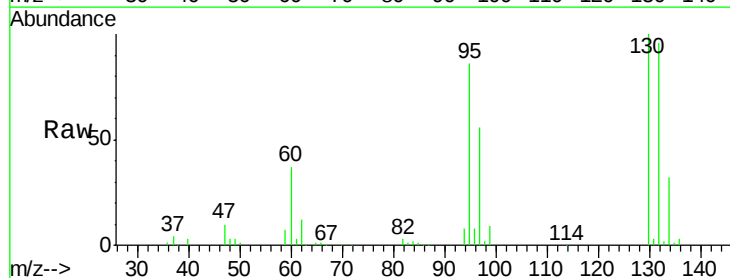
RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

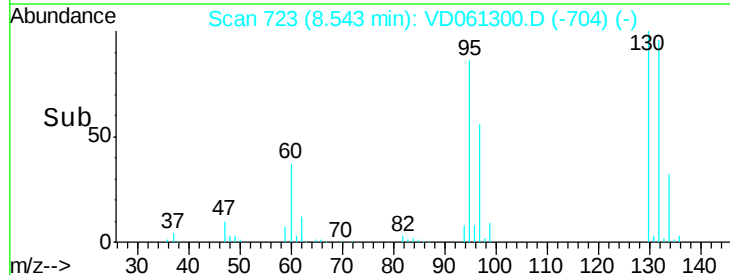
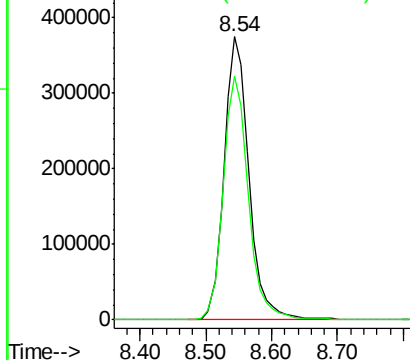
Lab File: VD061300.D

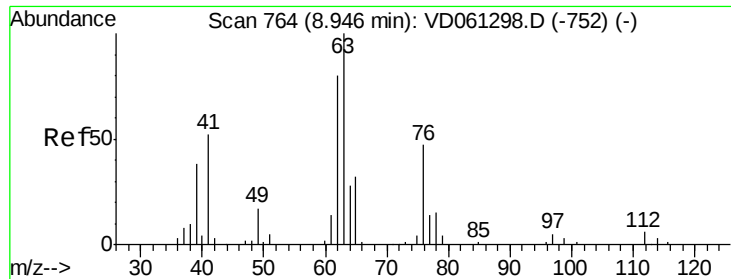
Acq: 25 Mar 2019 13:09

Tgt Ion:	130	Resp:	993623
Ion	Ratio	Lower	Upper
130	100		
95	86.3	0.0	175.0



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





#45

1,2-Dichloropropane

Concen: 104.801 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 669021

Ion Ratio Lower Upper

63 100

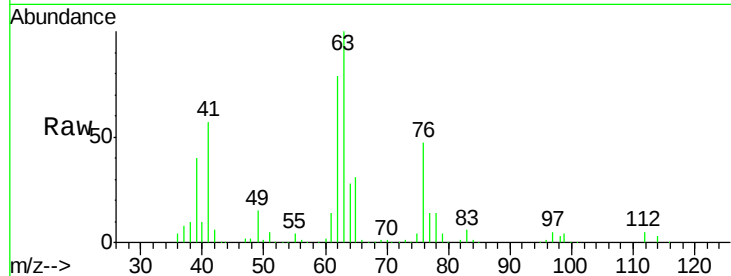
65 30.8 25.2 37.8

Manual Integrations

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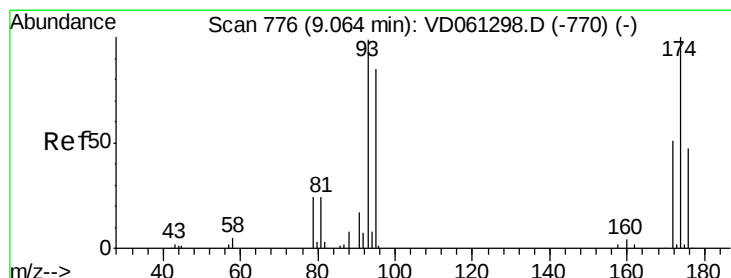
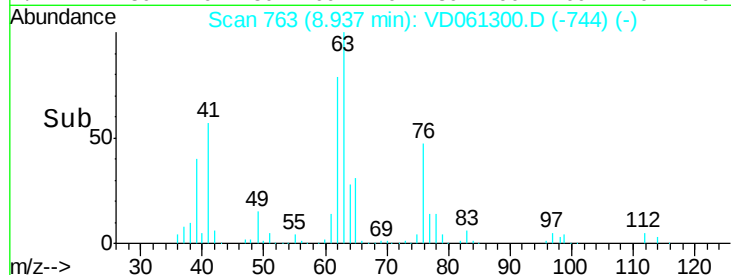
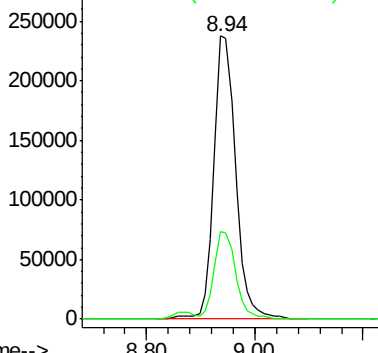
MMDadoda

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 107.711 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

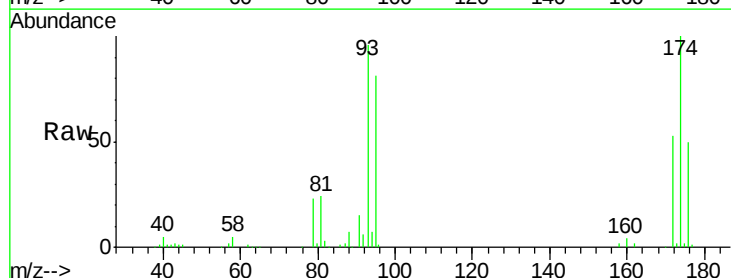
Tgt Ion: 93 Resp: 471445

Ion Ratio Lower Upper

93 100

95 84.2 68.1 102.1

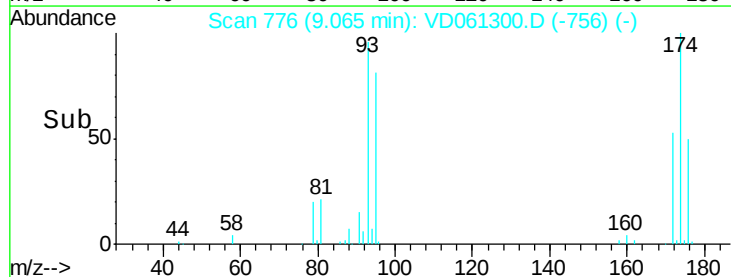
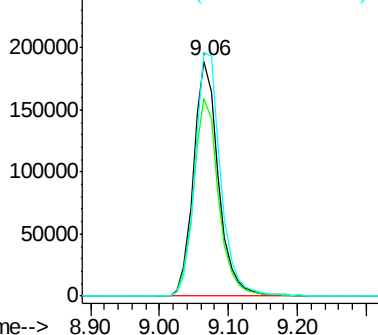
174 103.8 80.4 120.6

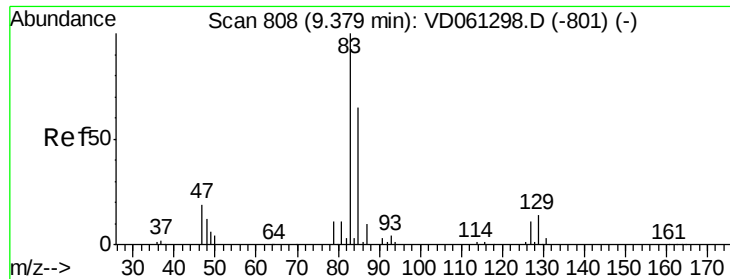


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





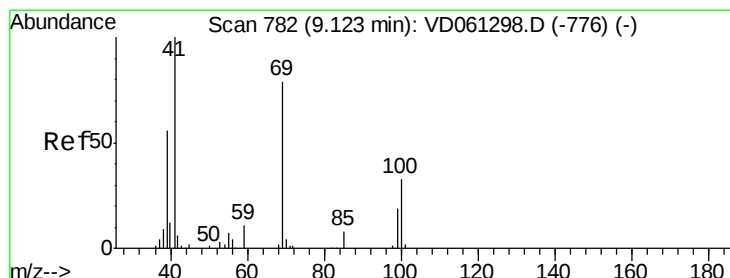
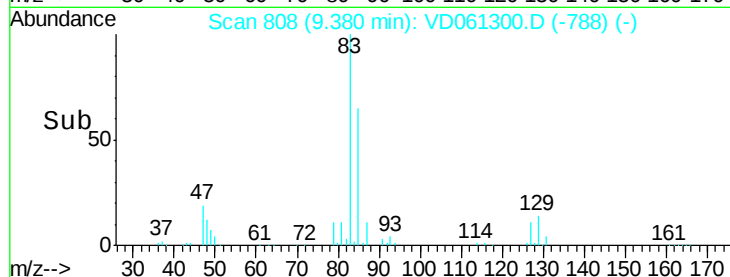
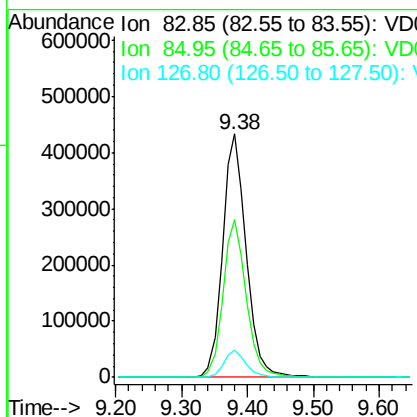
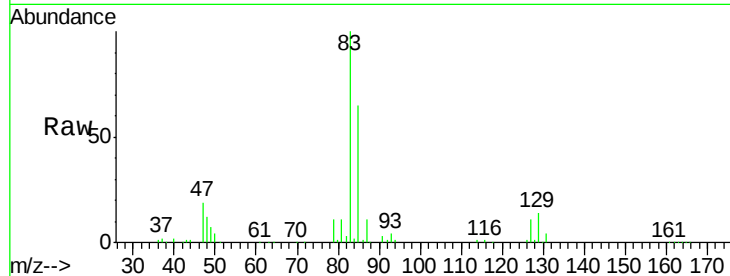
#47
Bromodichloromethane
Concen: 105.395 ug/l
RT: 9.38 min Scan# 808
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1081049
Ion Ratio Lower Upper
83 100
85 64.9 51.7 77.5
127 11.0 8.8 13.2

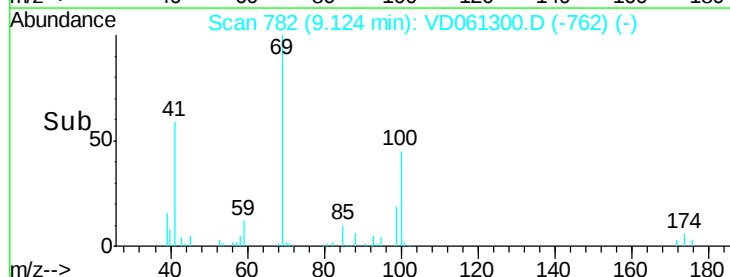
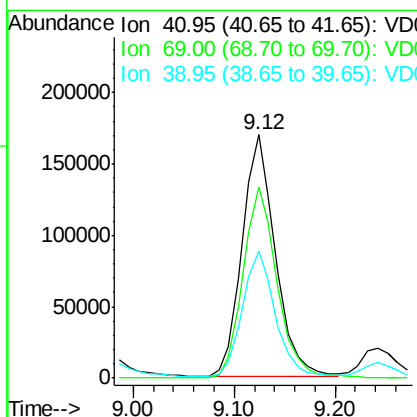
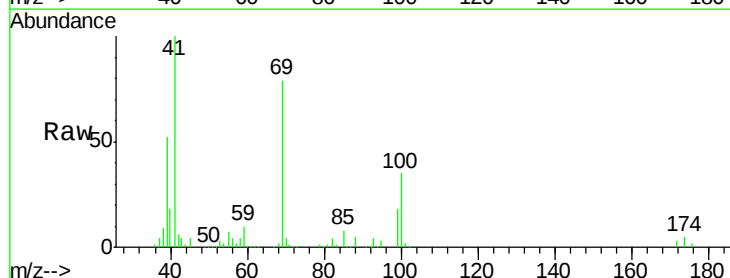
Manual Integrations
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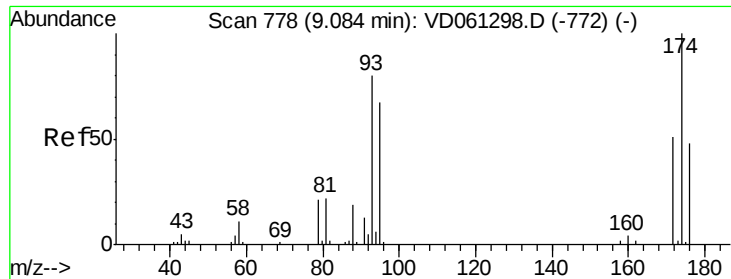
MMDadoda
3/26/2019 12:28:33 PM



#48
Methyl methacrylate
Concen: 115.538 ug/l
RT: 9.12 min Scan# 782
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion: 41 Resp: 386783
Ion Ratio Lower Upper
41 100
69 78.6 62.4 93.6
39 52.3 44.9 67.3





#49

1,4-Dioxane

Concen: 2380.251 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 87428

Ion Ratio Lower Upper

88 100

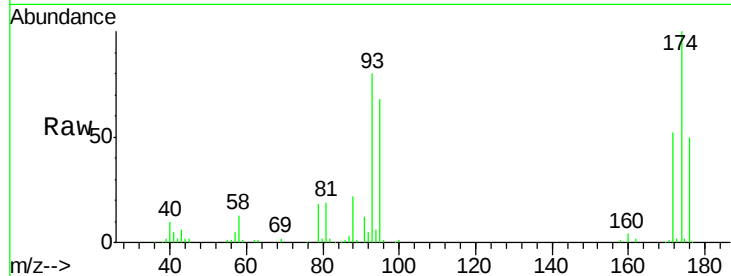
43 26.5 20.7 31.1

58 58.4 44.9 67.3

Manual Integrations
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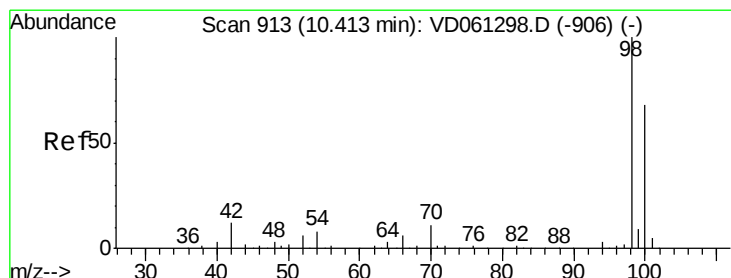
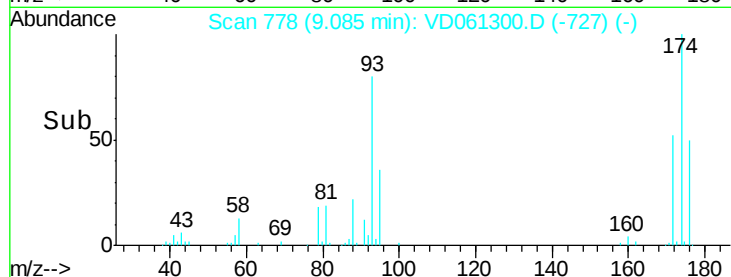
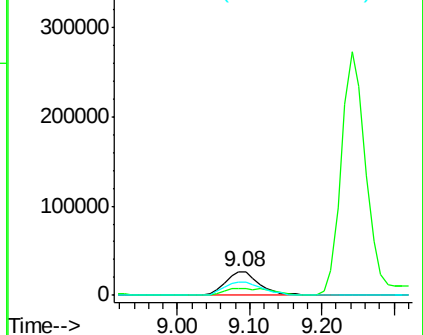
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Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 2380.251 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD061300.D

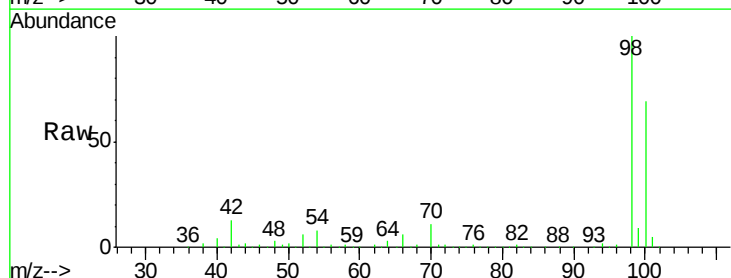
Acq: 25 Mar 2019 13:09

Tgt Ion: 98 Resp: 2064816

Ion Ratio Lower Upper

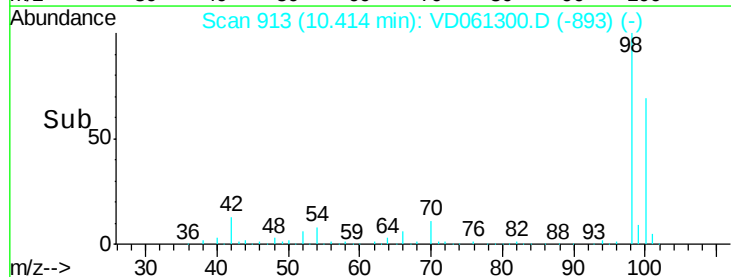
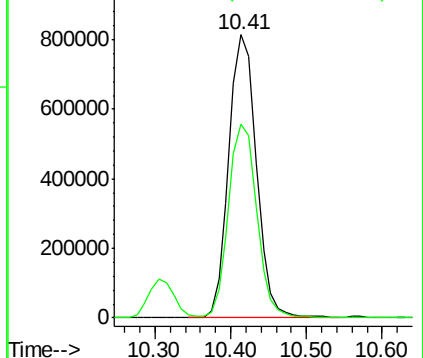
98 100

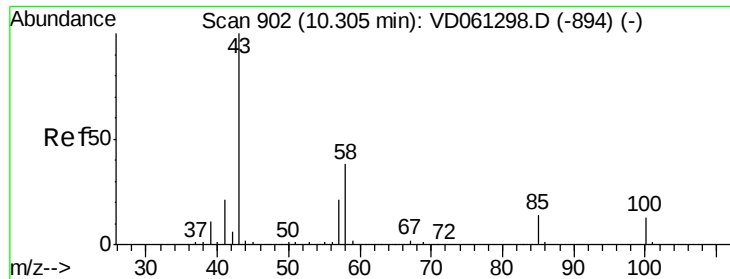
100 68.6 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 524.192 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Tot Ion: 43 Resp: 1957210

Ion Ratio Lower Upper

43 100

58 39.5 30.6 45.8

Instrument :

MSVOA_D

ClientSampleId :

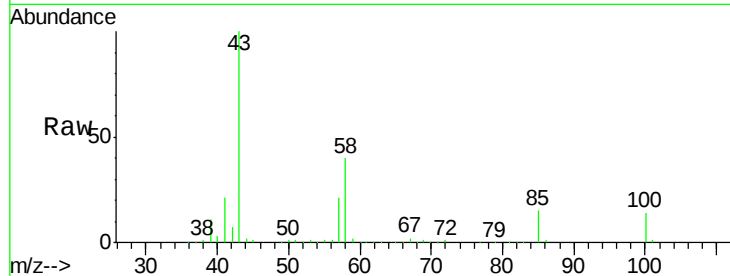
VSTDIC100

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

800000

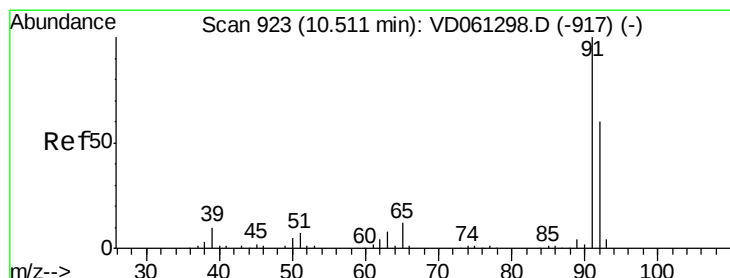
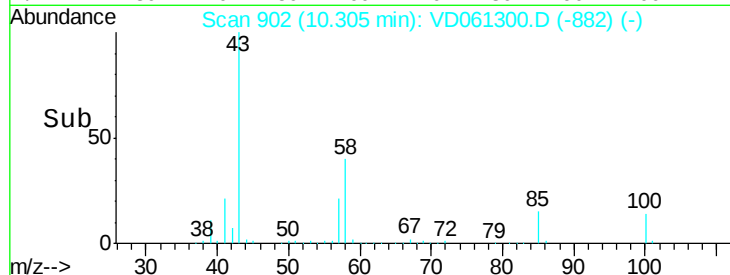
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 97.077 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD061300.D

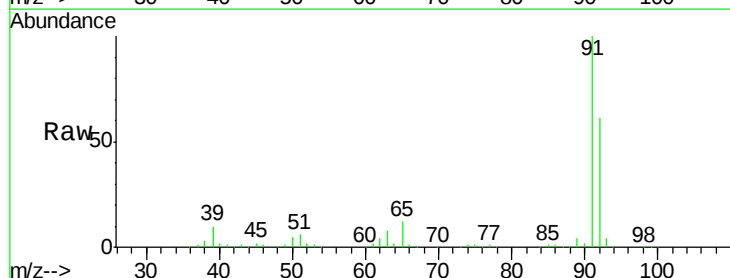
Acq: 25 Mar 2019 13:09

Tgt Ion: 92 Resp: 1536357

Ion Ratio Lower Upper

92 100

91 164.8 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

1200000

1000000

800000

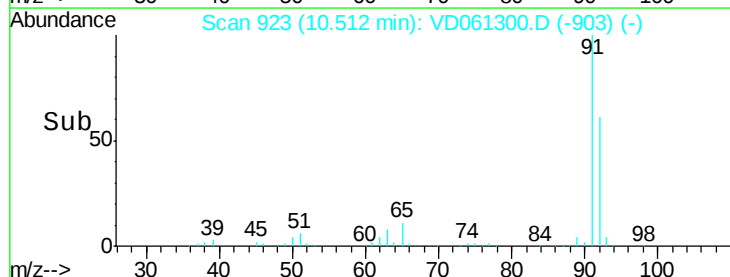
600000

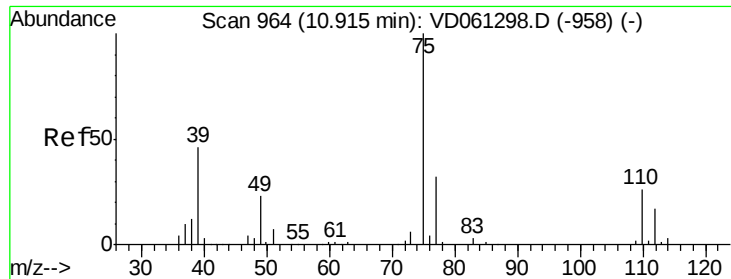
400000

200000

0

Time-->





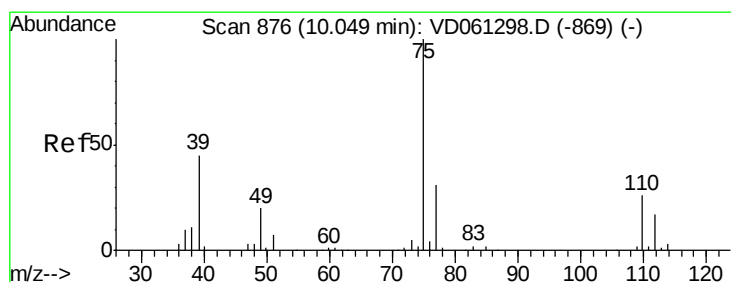
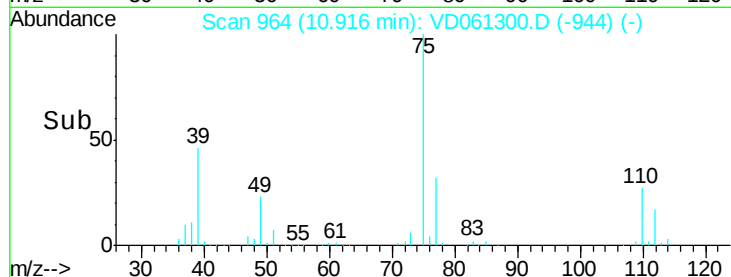
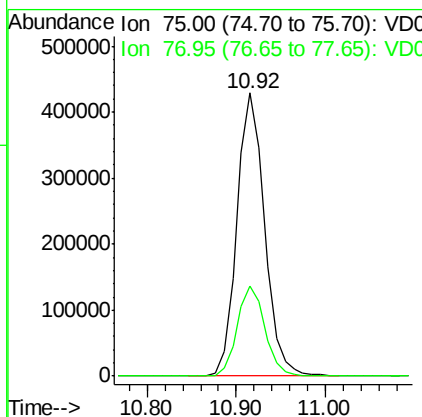
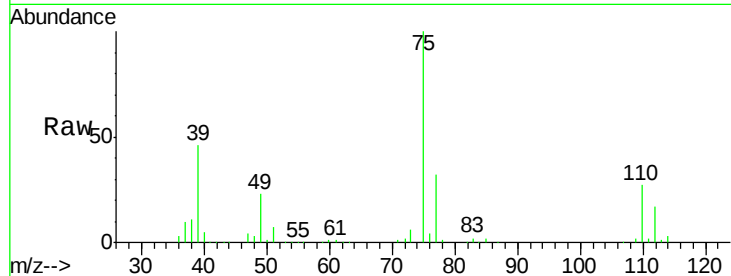
#53
t-1,3-Dichloropropene
Concen: 104.257 ug/l
RT: 10.92 min Scan# 964
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	75	Resp	929278
Ion Ratio	Lower	Upper	
75	100		
77	31.7	25.8	38.6

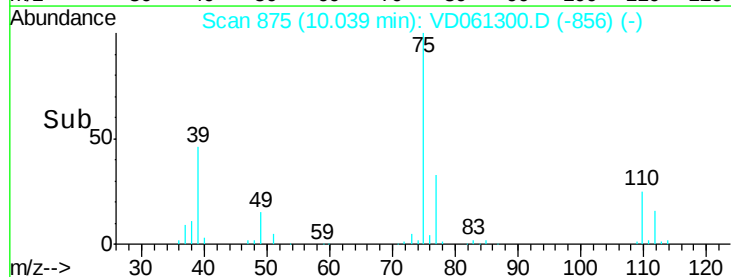
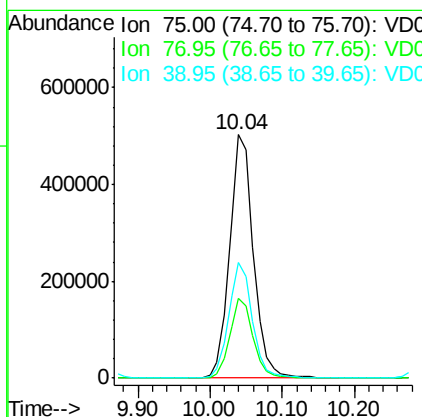
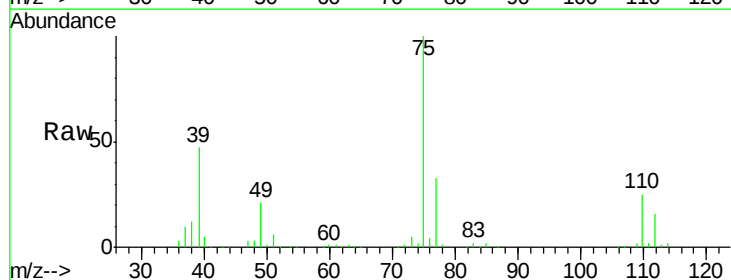
Manual Integrations
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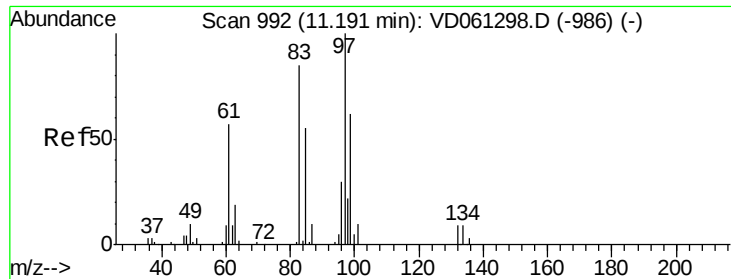
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 106.106 ug/l
RT: 10.04 min Scan# 875
Delta R.T. -0.01 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion	75	Resp	1154869
Ion Ratio	Lower	Upper	
75	100		
77	33.0	24.9	37.3
39	47.5	36.0	54.0





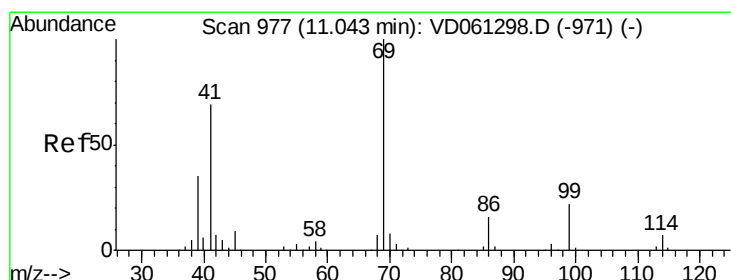
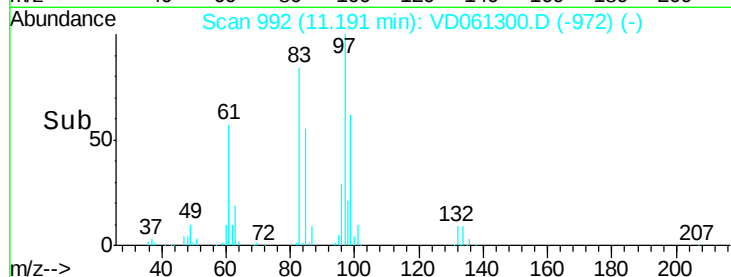
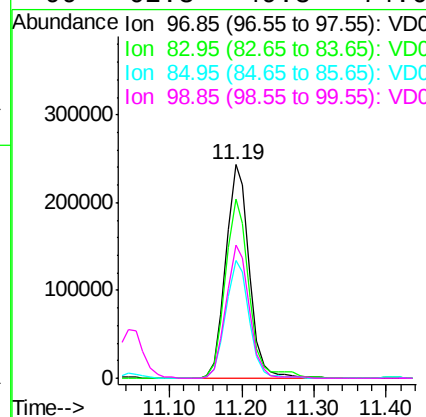
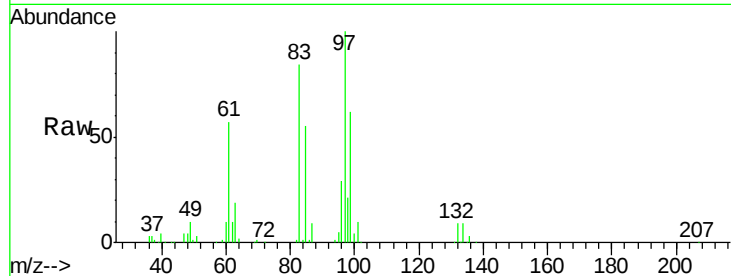
#55
 1,1,2-Trichloroethane
 Concen: 103.952 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.7	101.5
85	55.4	43.8	65.8
99	62.3	49.8	74.6

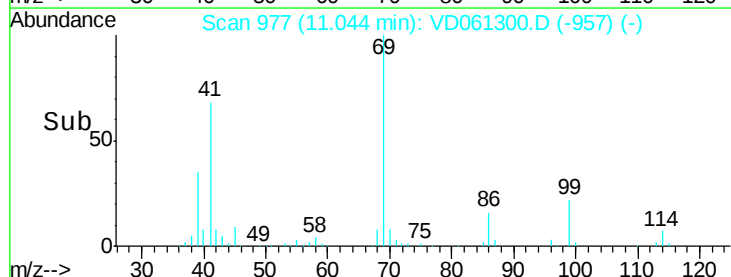
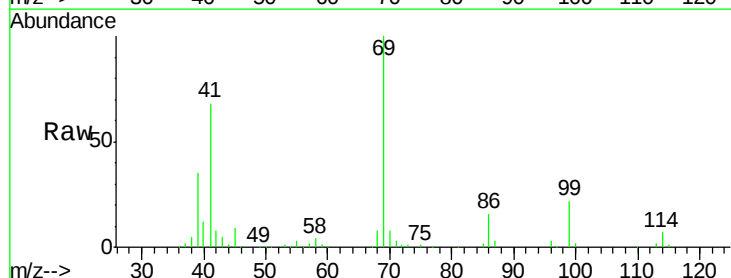
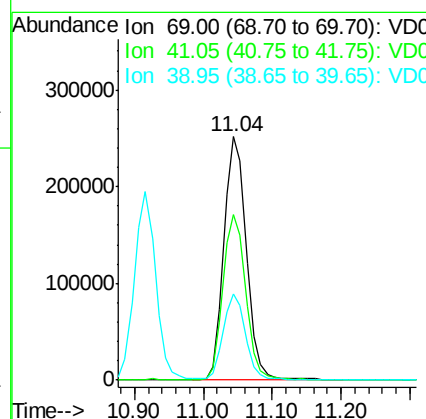
Manual Integrations
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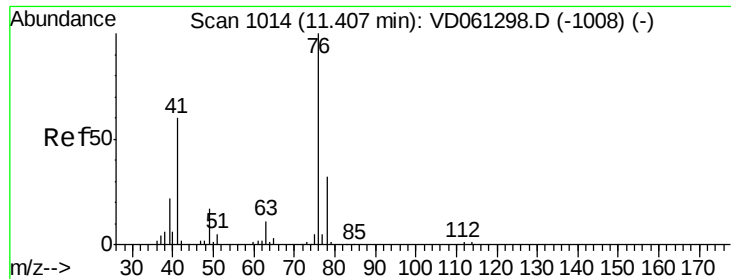
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 3/26/2019 12:28:33 PM



#56
 Ethyl methacrylate
 Concen: 101.202 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.0	54.9	82.3
39	35.2	28.5	42.7





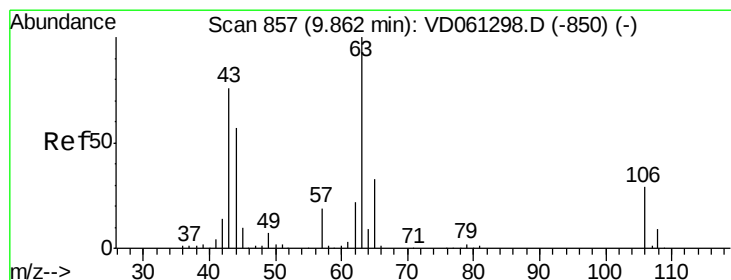
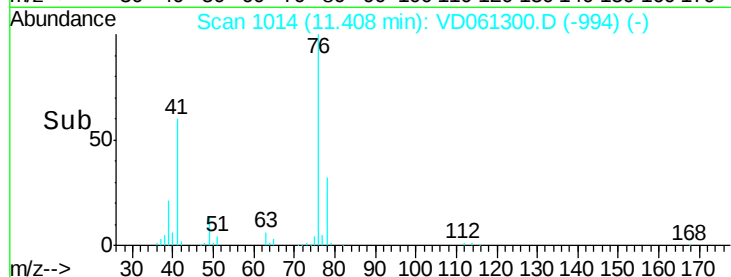
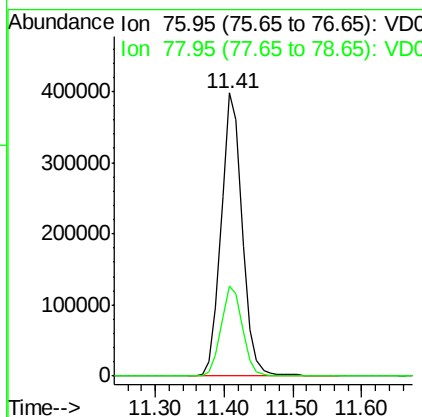
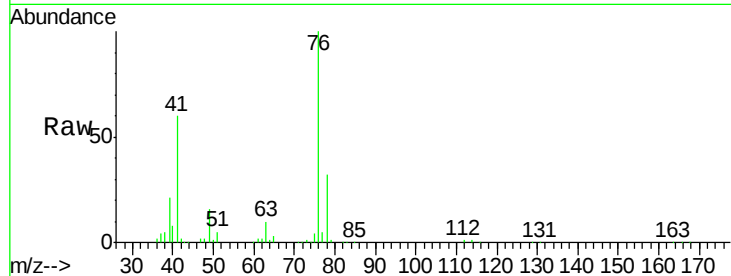
#57
 1,3-Dichloropropane
 Concen: 105.903 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 840368
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5

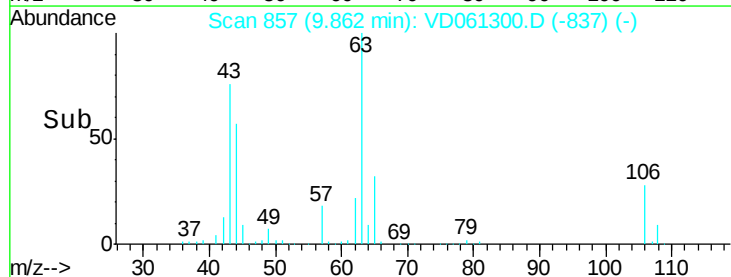
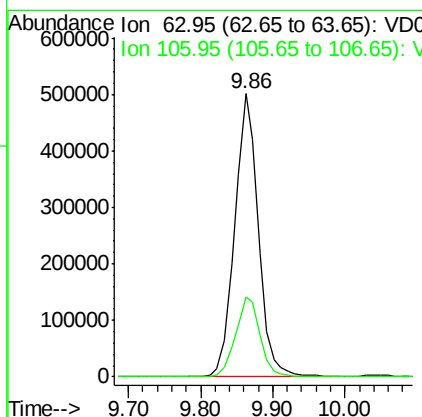
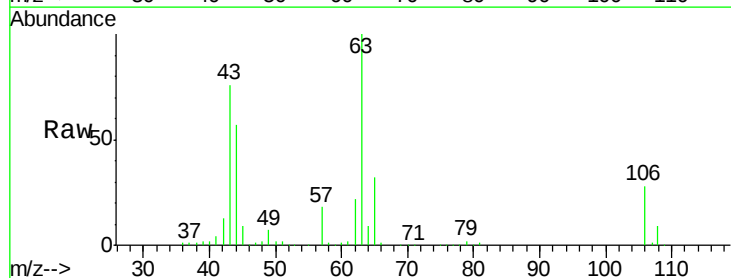
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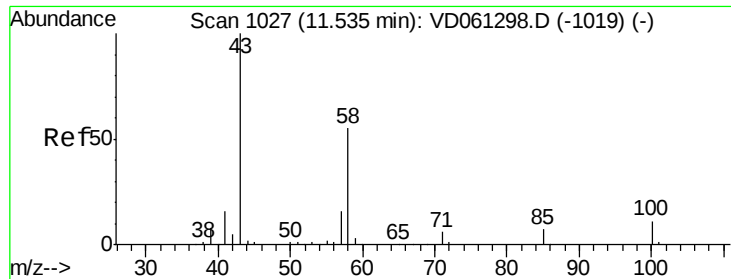
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 391.939 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion: 63 Resp: 1143226
 Ion Ratio Lower Upper
 63 100
 106 28.1 23.4 35.0





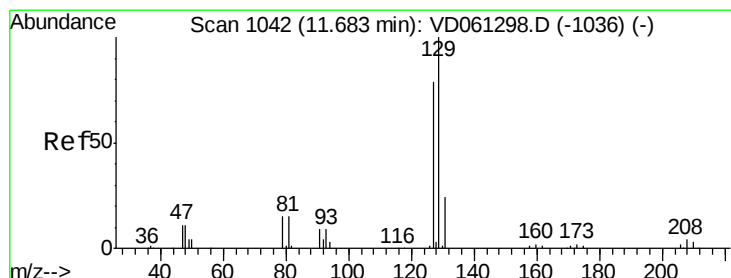
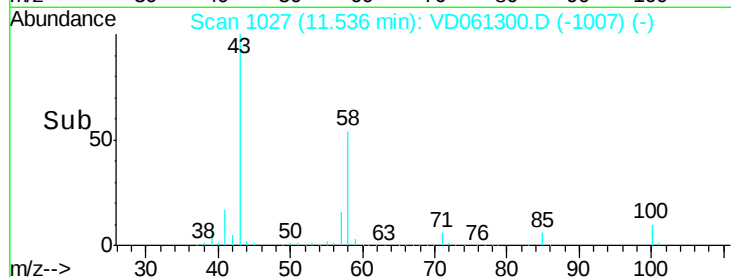
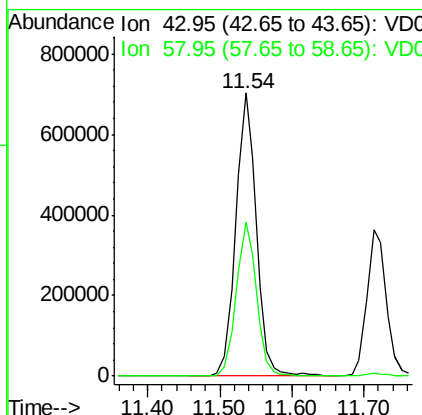
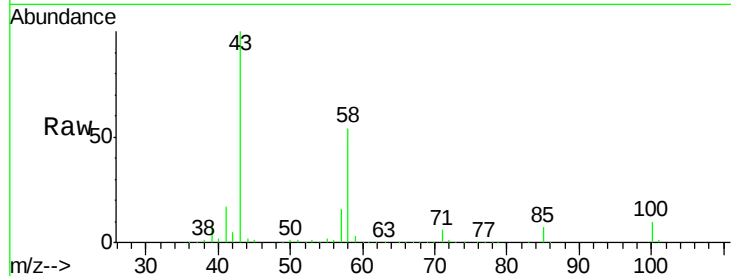
#59
2-Hexanone
Concen: 514.131 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1394221
Ion Ratio Lower Upper
43 100
58 54.3 27.4 82.0

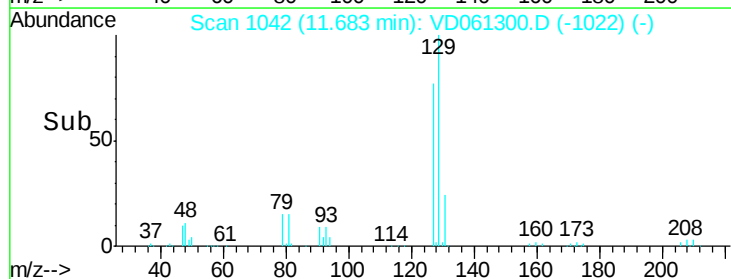
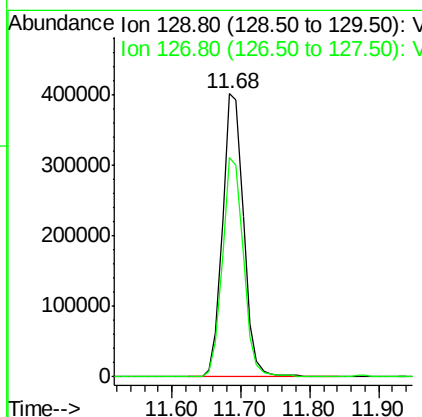
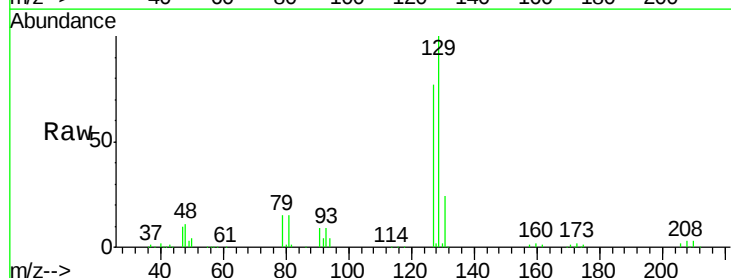
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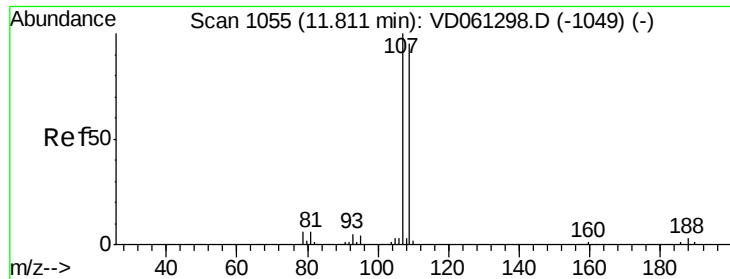
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#60
Dibromochloromethane
Concen: 103.624 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion: 129 Resp: 852807
Ion Ratio Lower Upper
129 100
127 77.3 39.6 119.0





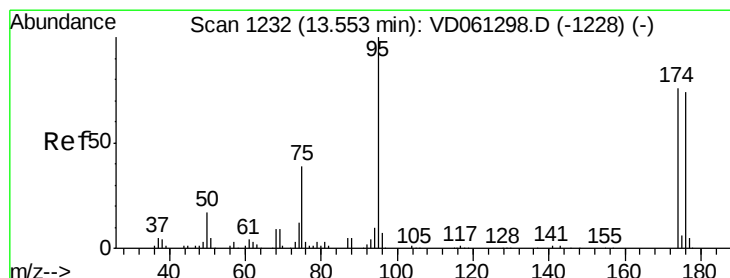
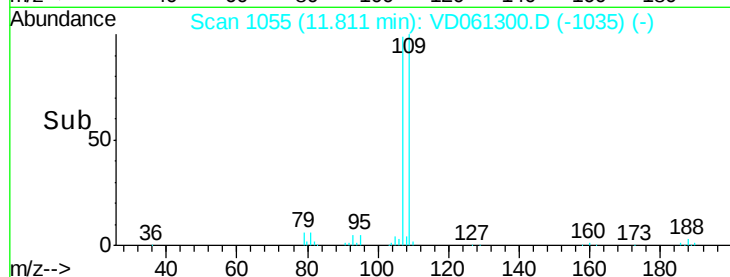
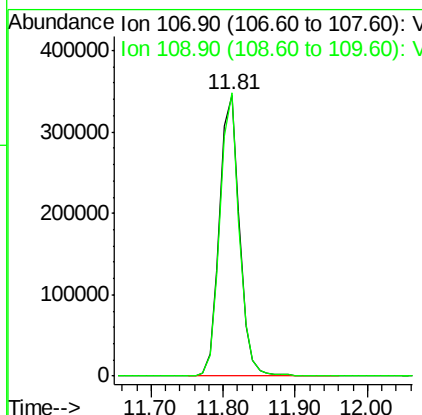
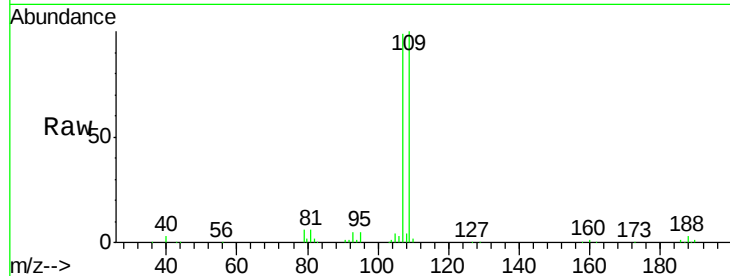
#61
1,2-Dibromoethane
Concen: 107.302 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	100.6	76.1	114.1

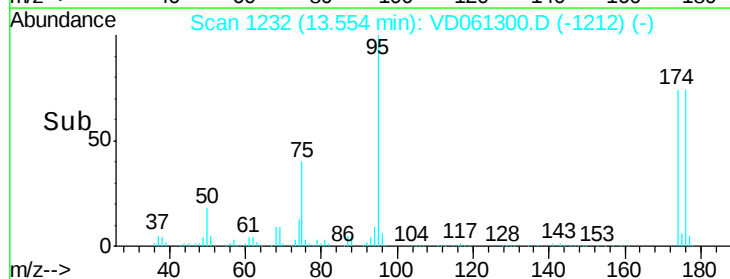
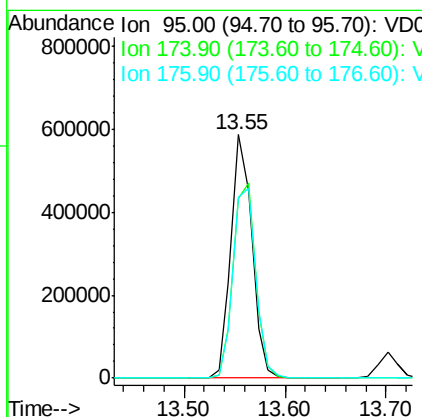
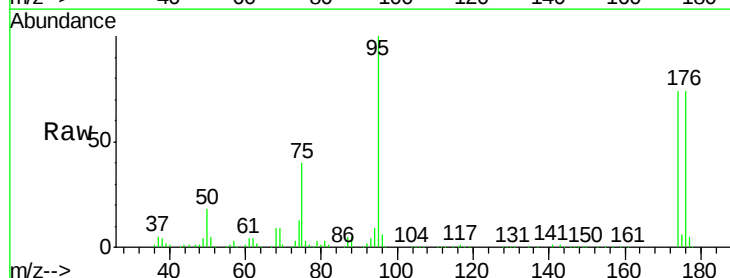
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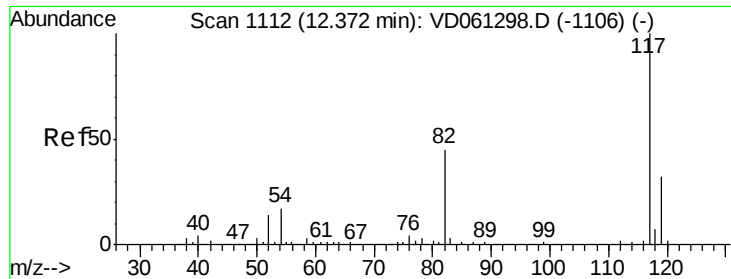
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 107.302 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	151.8
176	74.1	0.0	148.0





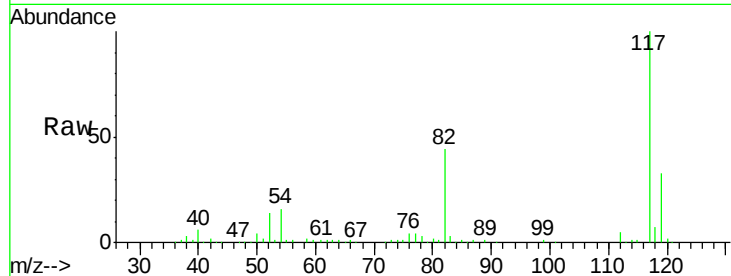
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

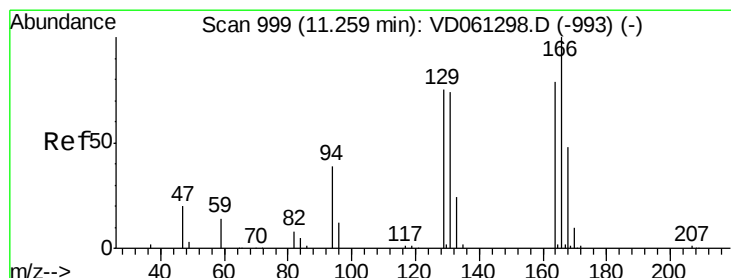
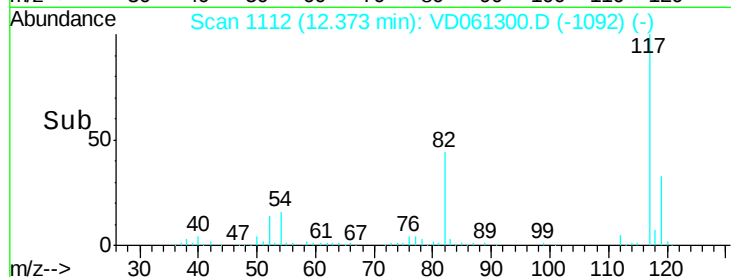
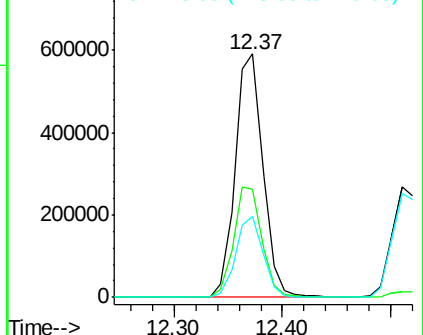
Tot Ion:117 Resp: 1055906
Ion Ratio Lower Upper
117 100
82 44.4 35.7 53.5
119 33.4 25.9 38.9

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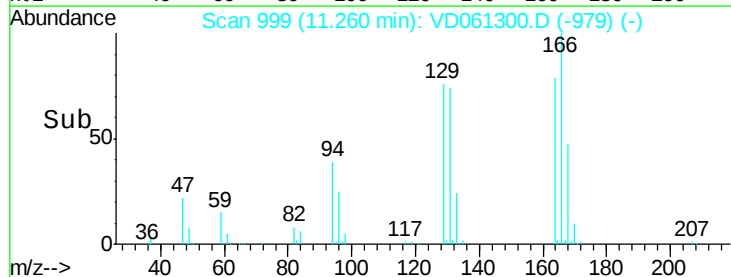
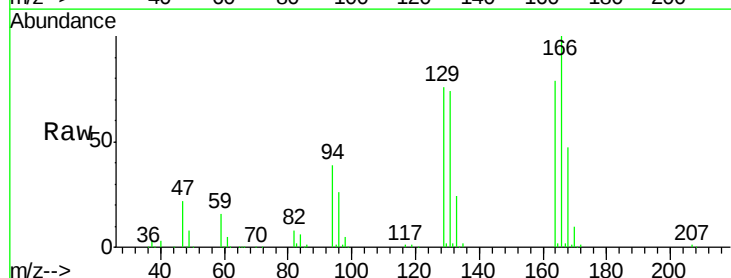
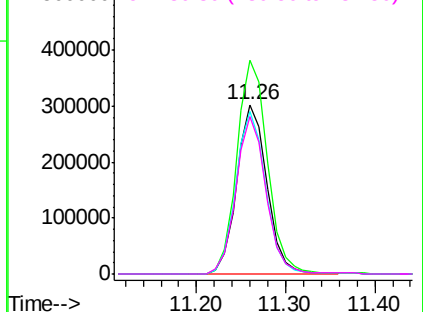
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

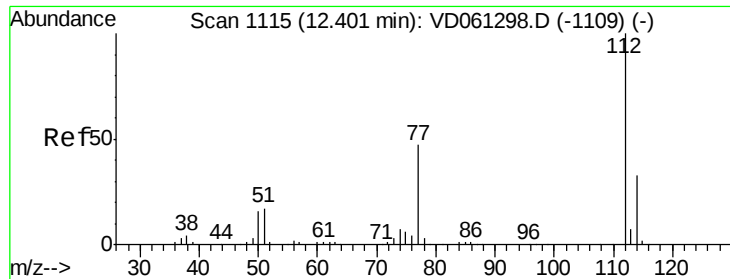


#64
Tetrachloroethene
Concen: 97.699 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion:164 Resp: 710646
Ion Ratio Lower Upper
164 100
166 126.2 101.6 152.4
129 95.8 75.9 113.9
131 93.1 75.3 112.9

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





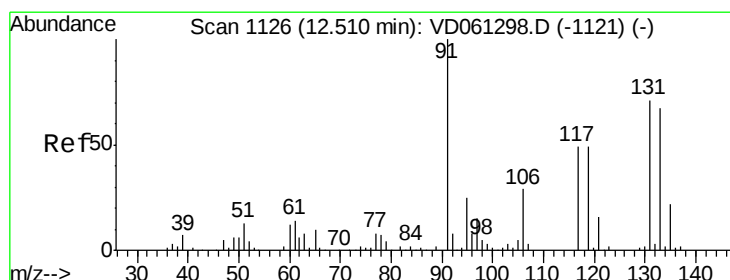
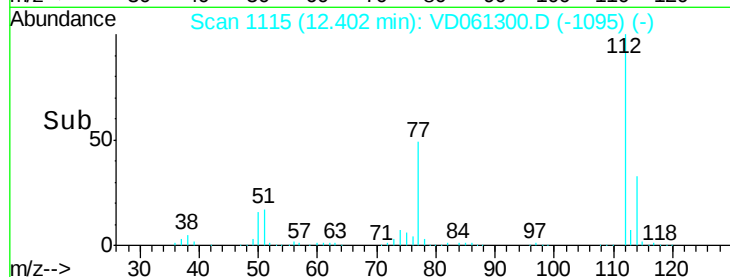
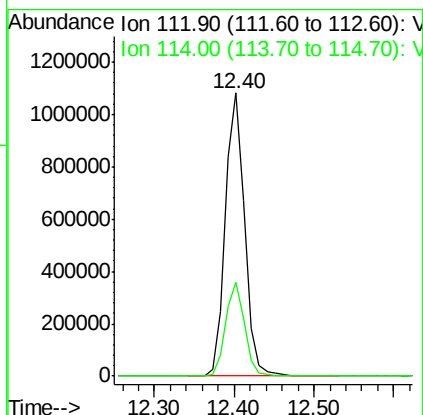
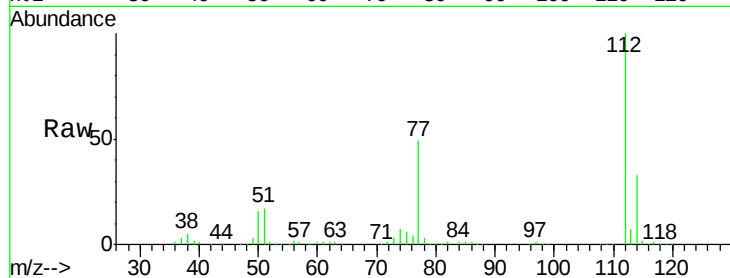
#65
Chlorobenzene
Concen: 95.260 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1852644
Ion Ratio Lower Upper
112 100
114 33.1 26.5 39.7

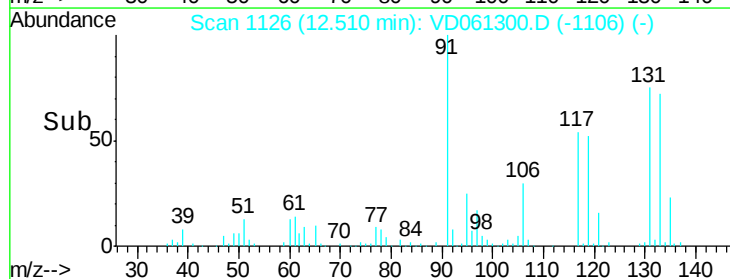
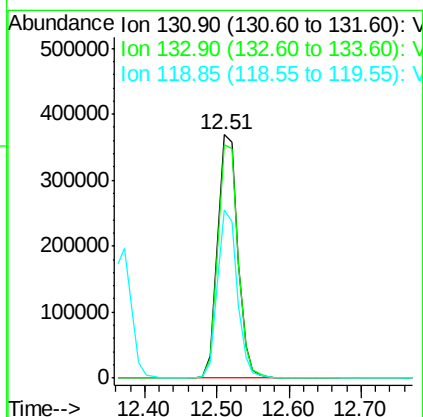
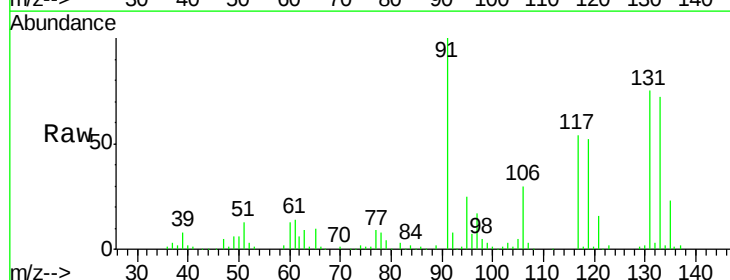
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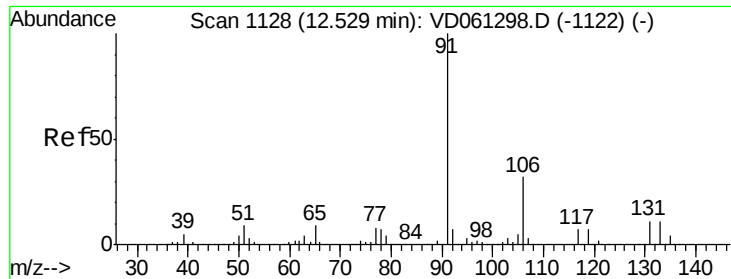
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#66
1,1,1,2-Tetrachloroethane
Concen: 93.917 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion:131 Resp: 708173
Ion Ratio Lower Upper
131 100
133 95.9 47.0 141.2
119 68.8 34.8 104.5





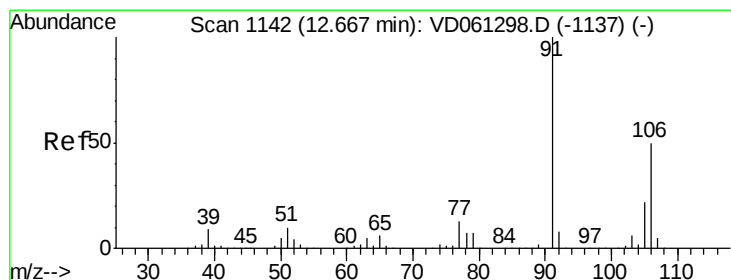
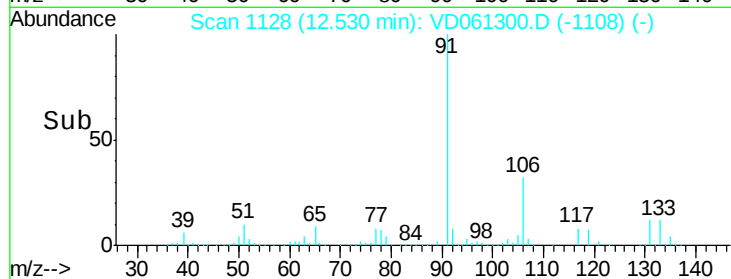
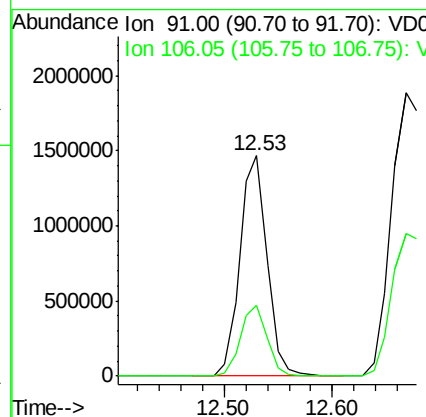
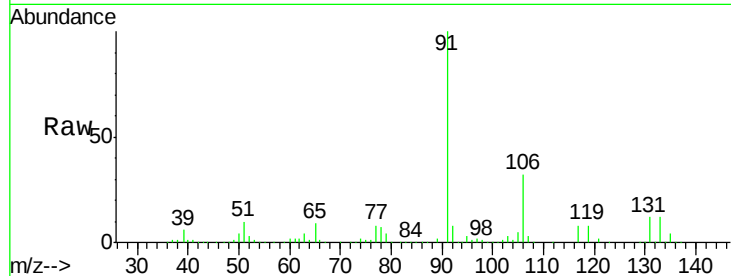
#67
Ethyl Benzene
Concen: 85.859 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 255535
Ion Ratio Lower Upper
91 100
106 32.2 25.8 38.8

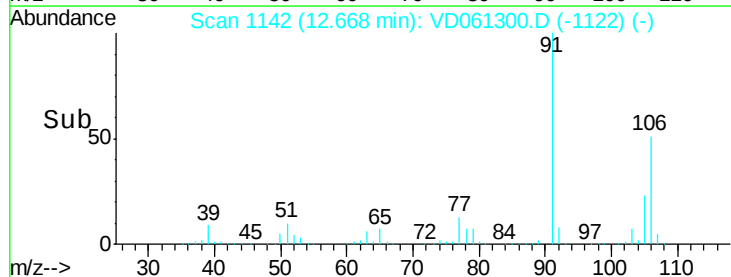
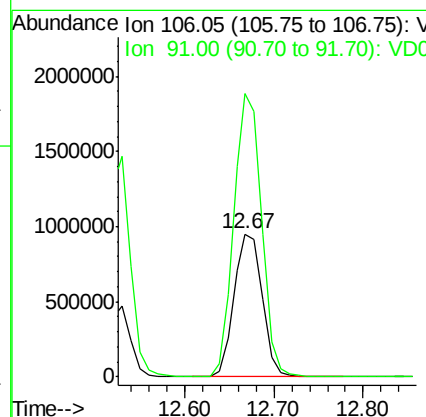
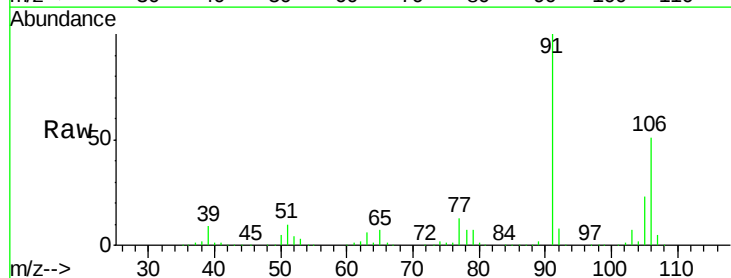
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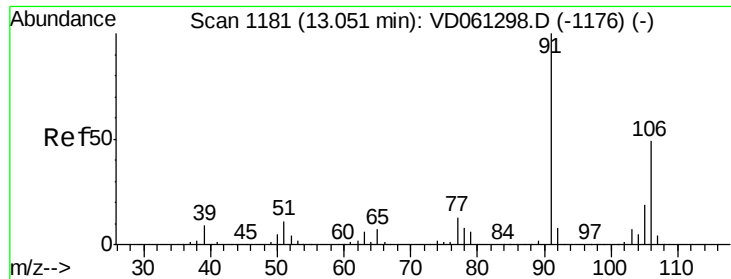
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#68
m/p-Xylenes
Concen: 181.197 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion: 106 Resp: 2105261
Ion Ratio Lower Upper
106 100
91 197.7 159.2 238.8





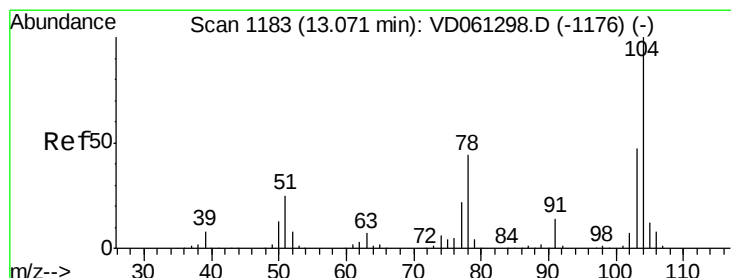
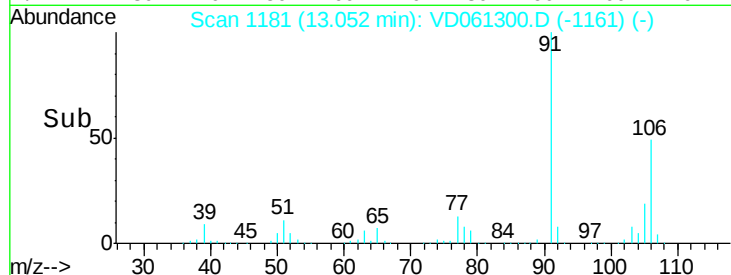
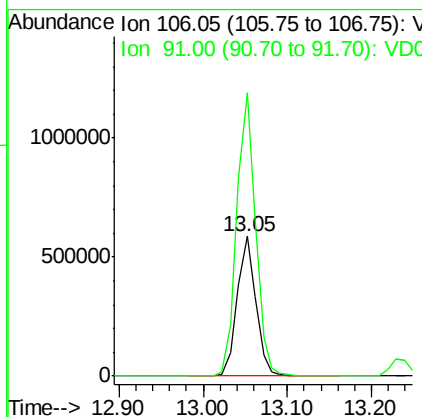
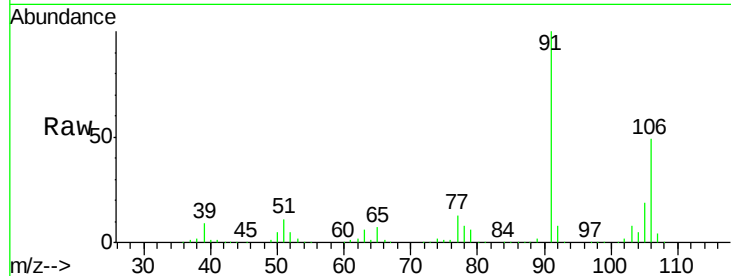
#69
o-Xylene
Concen: 83.736 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 902325
Ion Ratio Lower Upper
106 100
91 203.0 102.5 307.5

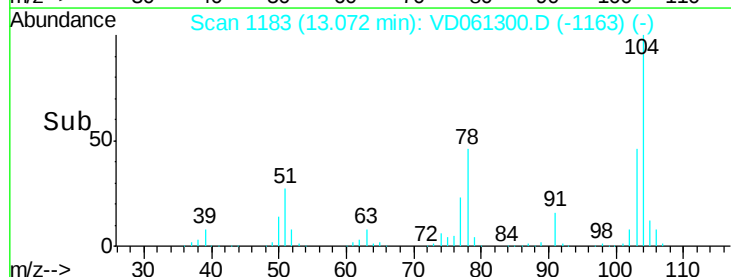
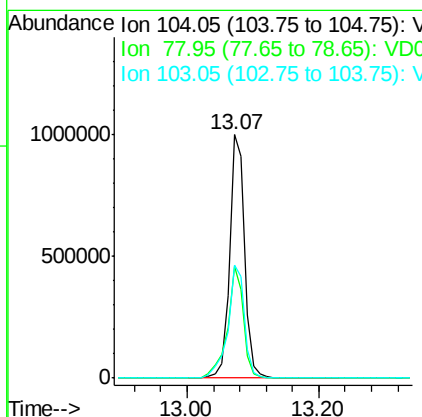
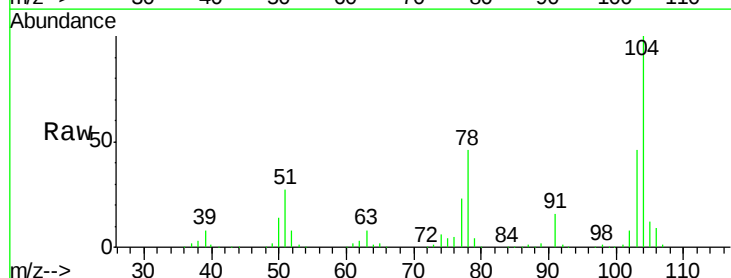
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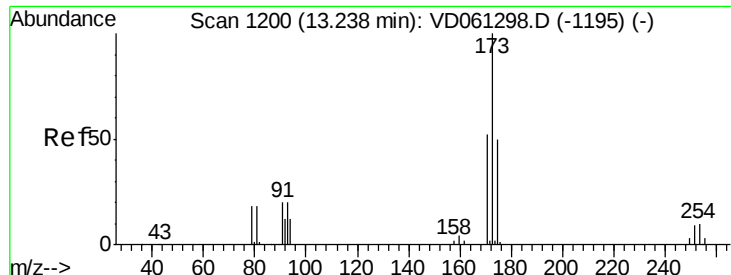
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#70
Styrene
Concen: 86.059 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion:104 Resp: 1573900
Ion Ratio Lower Upper
104 100
78 45.8 35.1 52.7
103 46.4 37.5 56.3





#71

Bromoform

Concen: 109.951 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 507342

Ion Ratio Lower Upper

173 100

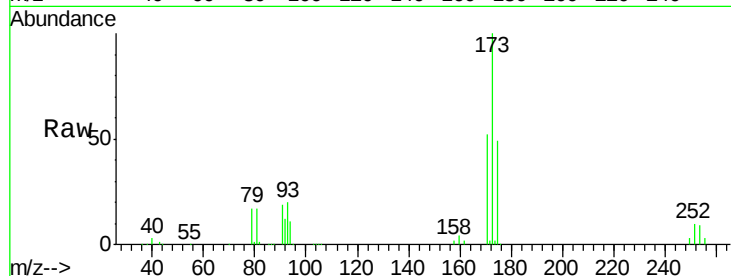
175 49.0 24.9 74.7

254 8.7 7.8 11.6

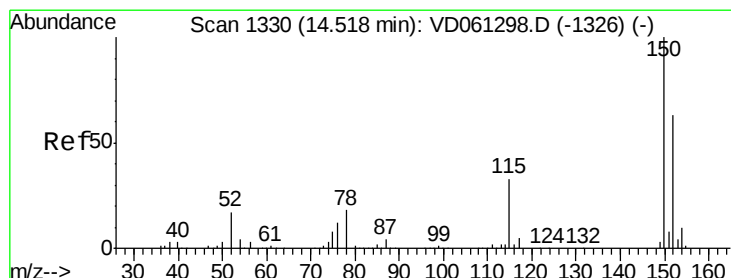
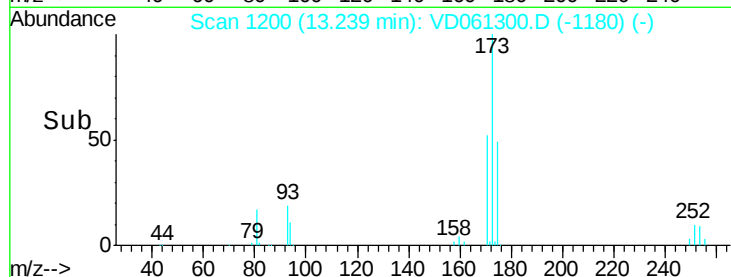
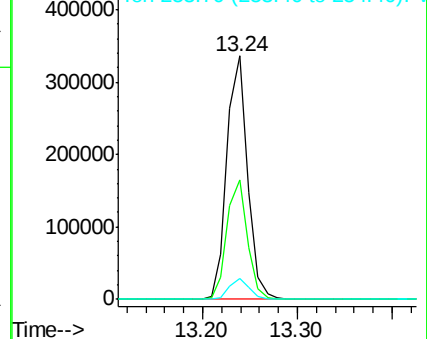
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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

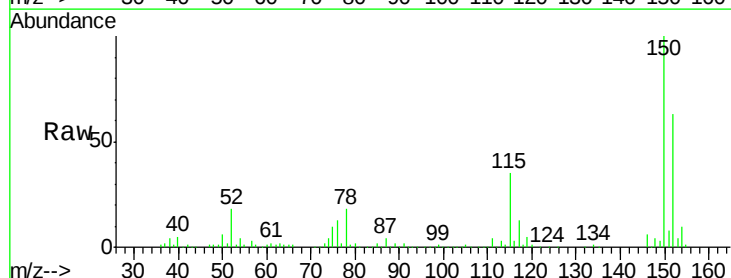
Tgt Ion:152 Resp: 409151

Ion Ratio Lower Upper

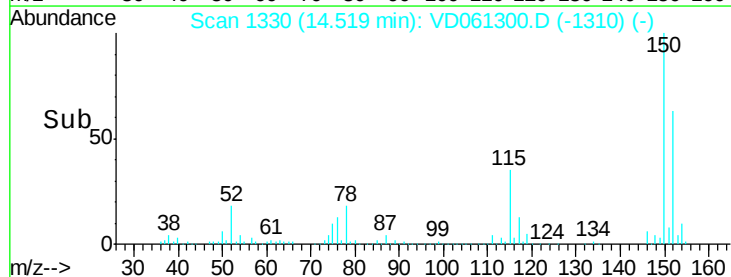
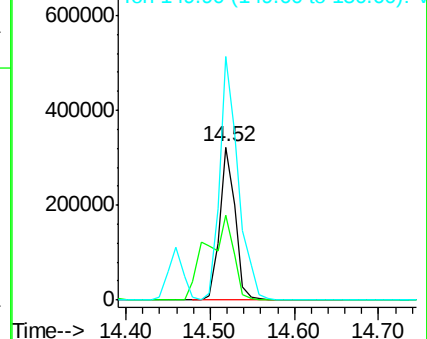
152 100

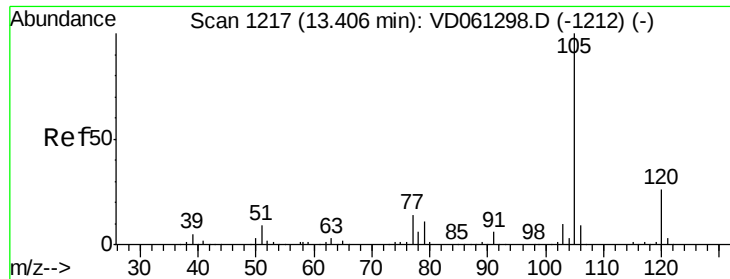
115 55.8 29.2 87.6

150 158.8 0.0 319.6



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





#73

Isopropylbenzene

Concen: 100.949 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2686464

Ion Ratio Lower Upper

105 100

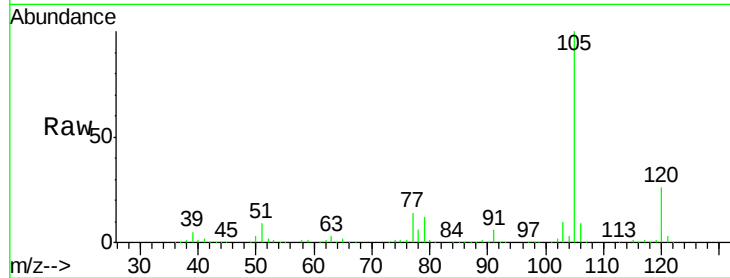
120 26.2 13.1 39.1

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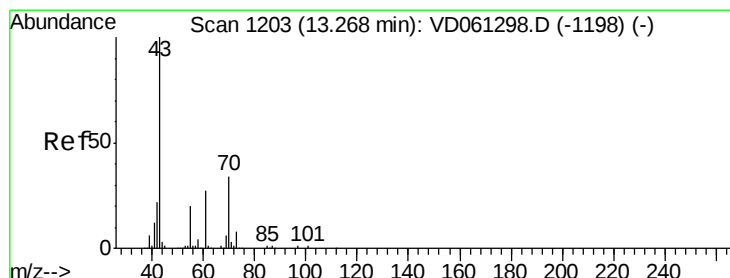
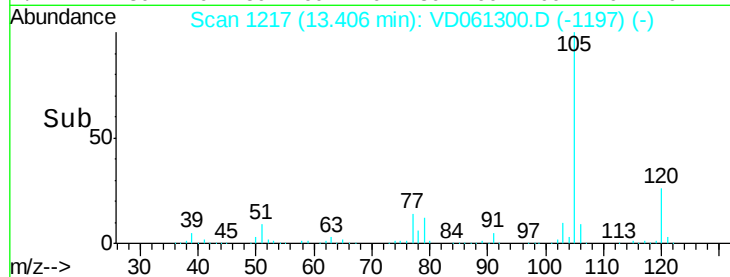
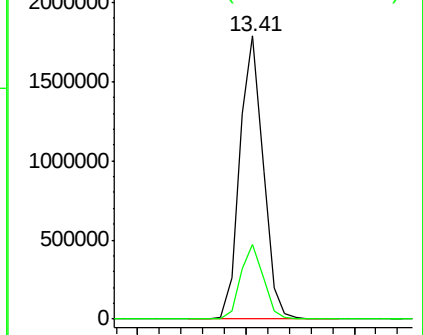
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 120.463 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Tgt Ion: 43 Resp: 838719

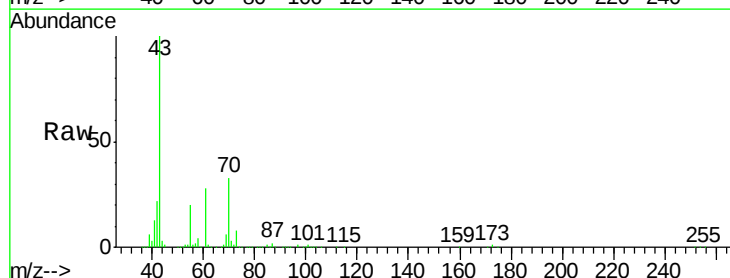
Ion Ratio Lower Upper

43 100

70 33.1 27.5 41.3

55 19.8 15.7 23.5

61 27.5 21.8 32.6

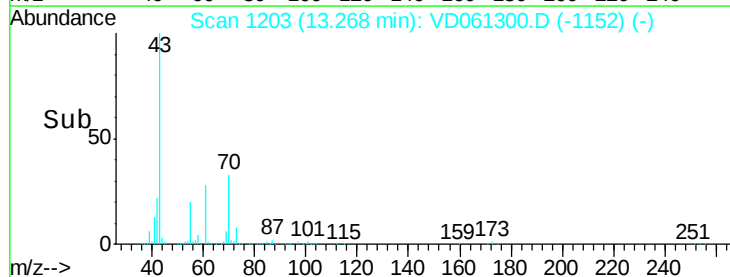
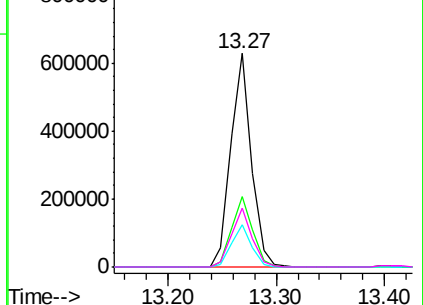


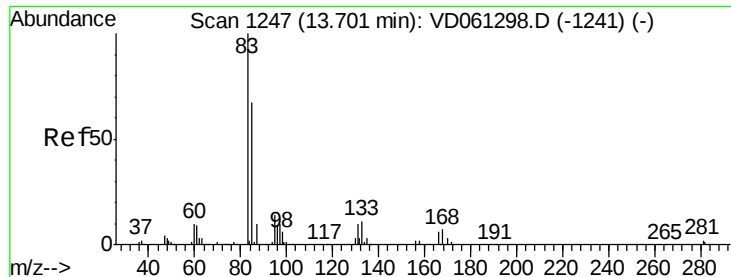
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 113.800 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

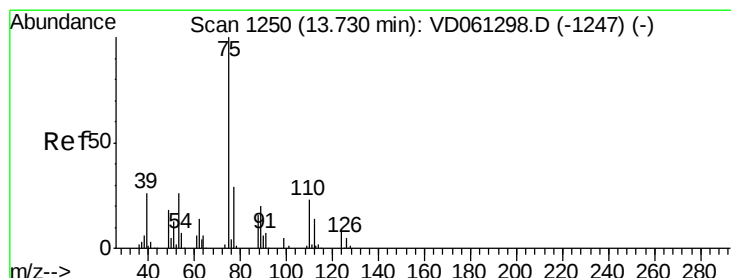
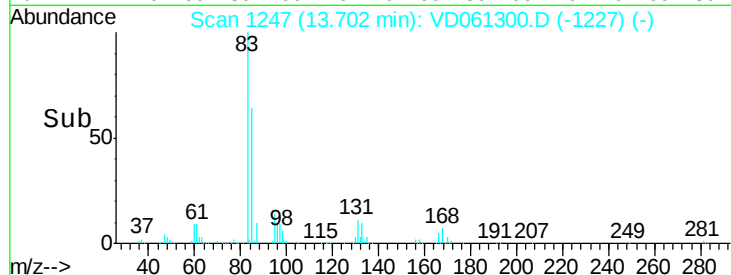
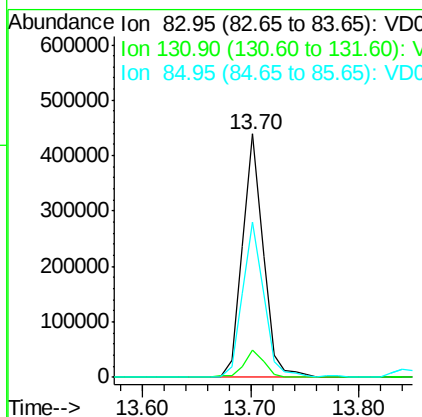
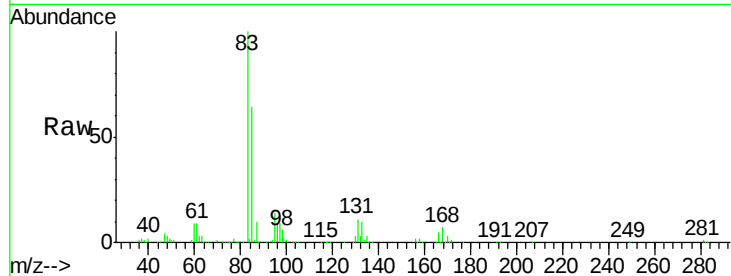
ClientSampleId :

VSTDIC100

Tot Ion	83	Resp	587284
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.0	15.0
85	64.0	33.4	100.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 114.953 ug/l

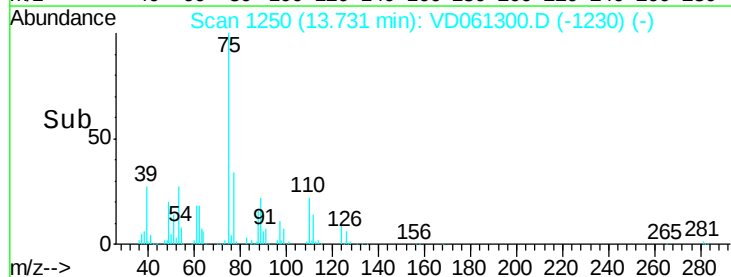
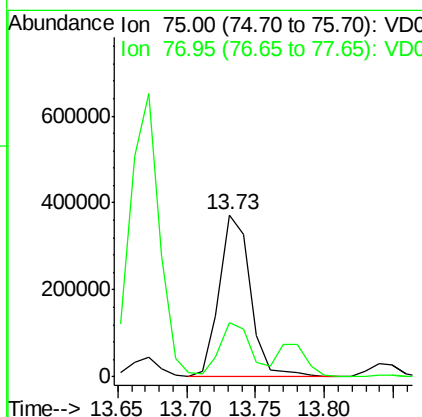
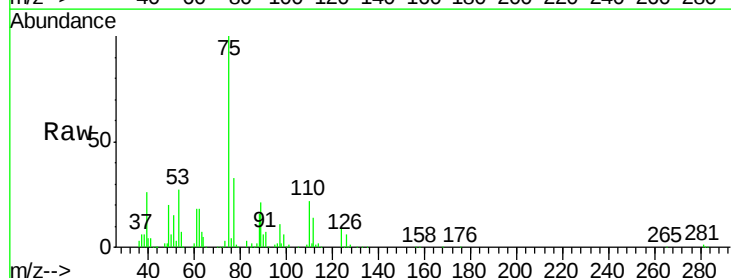
RT: 13.73 min Scan# 1250

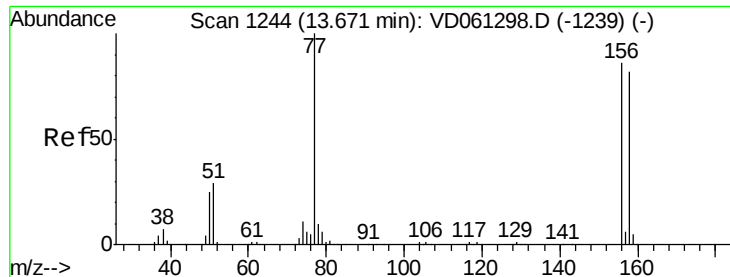
Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Tgt Ion	75	Resp	584911
Ion Ratio	Lower	Upper	
75	100		
77	33.1	15.8	47.4





#77

Bromobenzene

Concen: 105.630 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

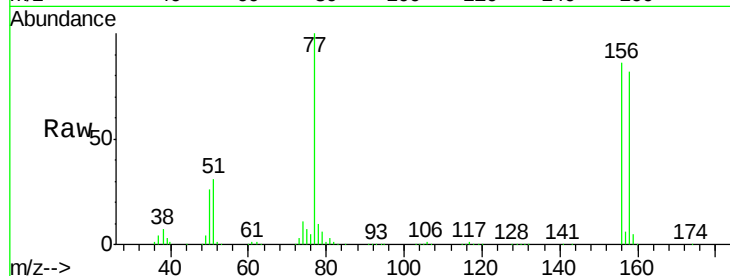
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	785201
Ion Ratio	Lower	Upper	
156	100		
77	116.3	58.4	175.1
158	95.5	48.1	144.3

Manual Integrations
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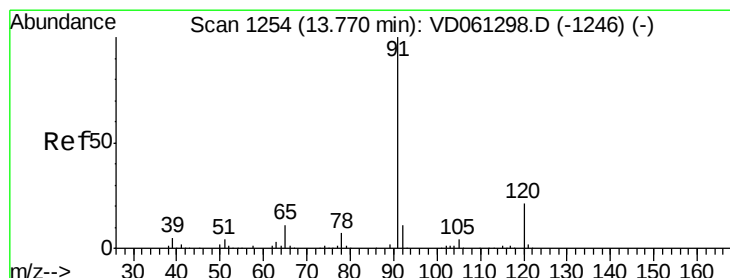
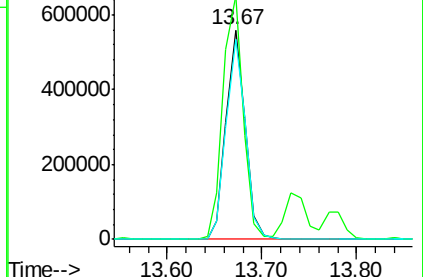
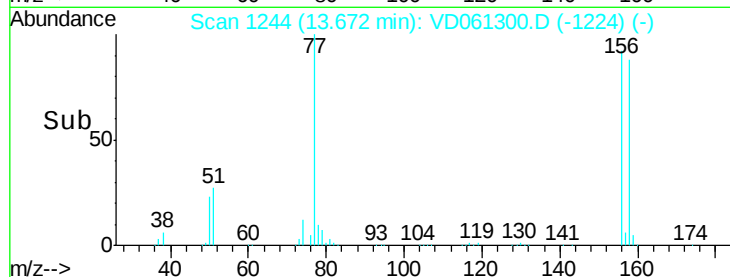
MMDadoda
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 103.563 ug/l

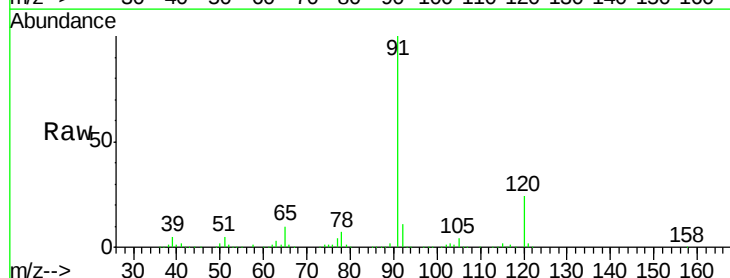
RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061300.D

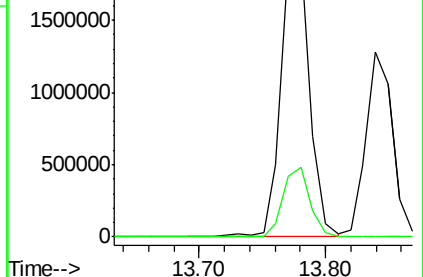
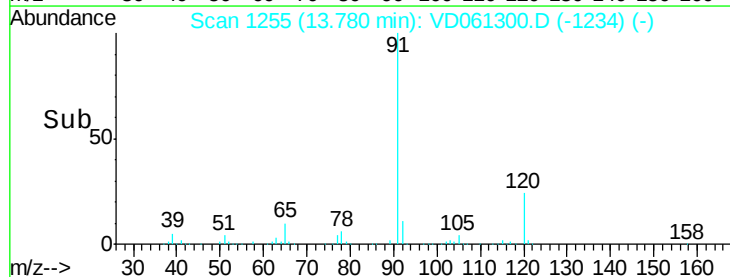
Acq: 25 Mar 2019 13:09

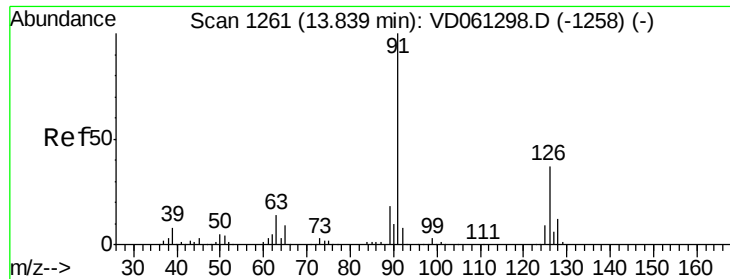
Tgt Ion:	91	Resp:	3109392
Ion Ratio	Lower	Upper	
91	100		
120	24.4	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





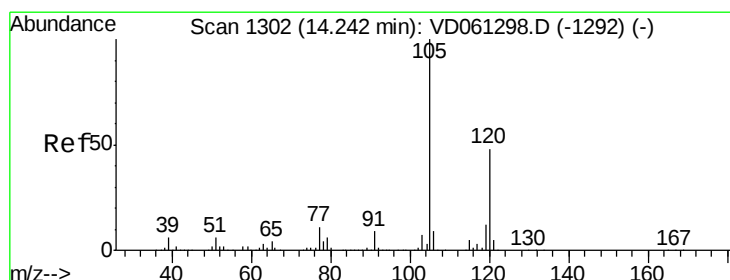
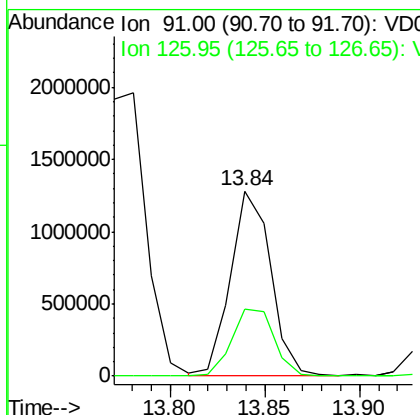
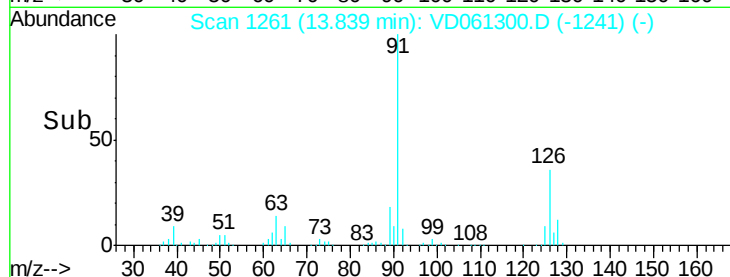
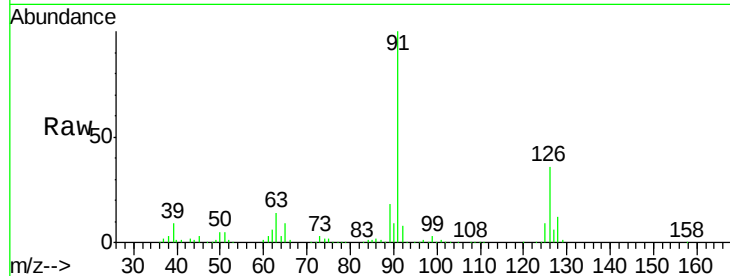
#79
2-Chlorotoluene
Concen: 107.542 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1876147
Ion Ratio Lower Upper
91 100
126 36.5 18.4 55.4

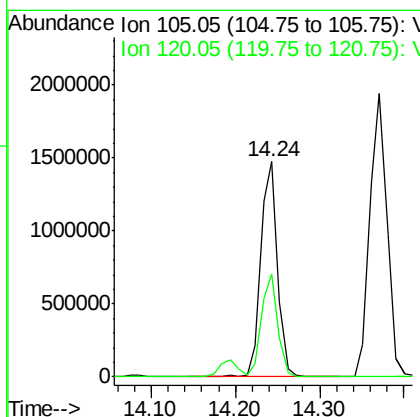
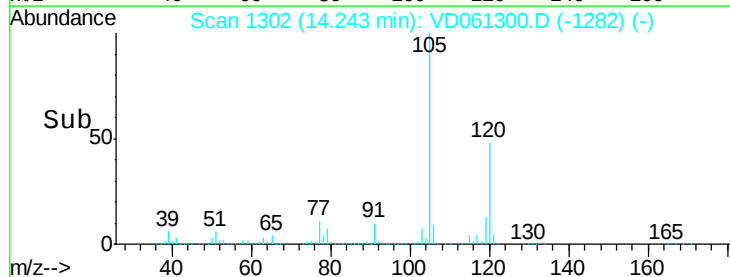
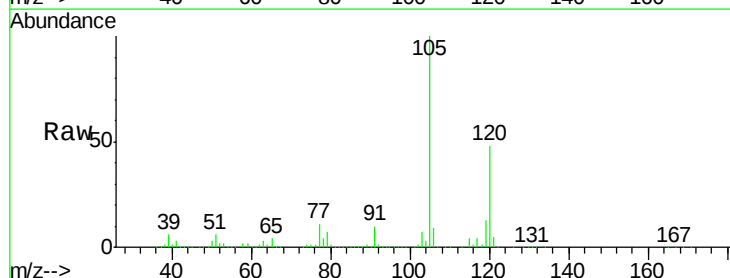
Manual Integrations
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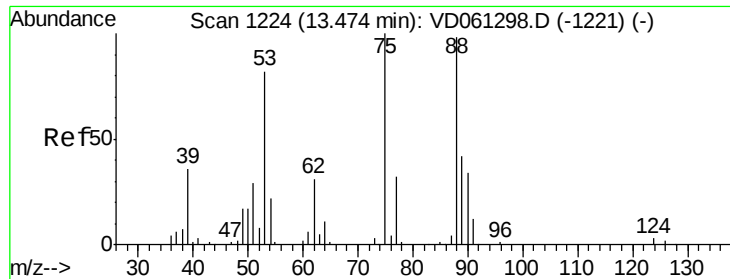
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 98.755 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion:105 Resp: 2073242
Ion Ratio Lower Upper
105 100
120 47.8 23.8 71.4





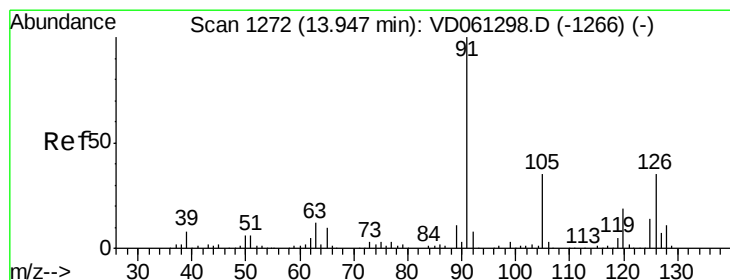
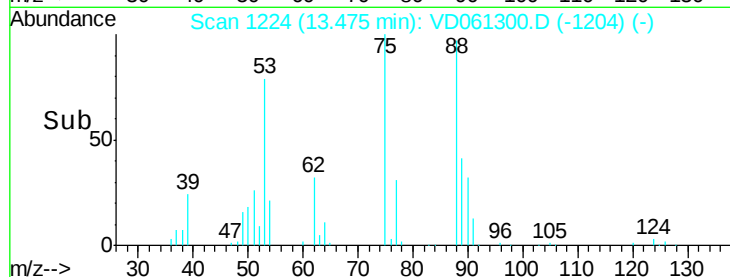
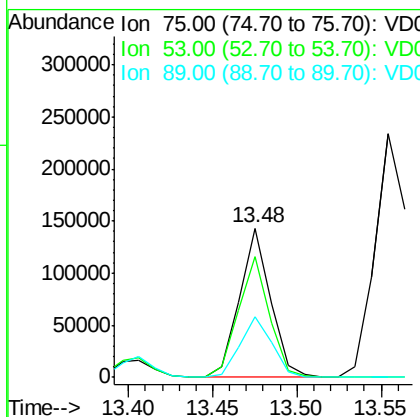
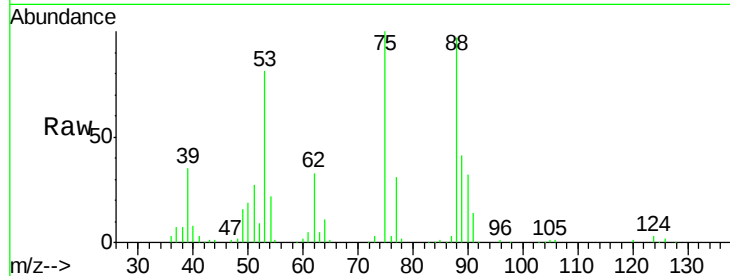
#81
trans-1,4-Dichloro-2-butene
Concen: 114.206 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.9	65.3	97.9
89	40.7	33.8	50.6

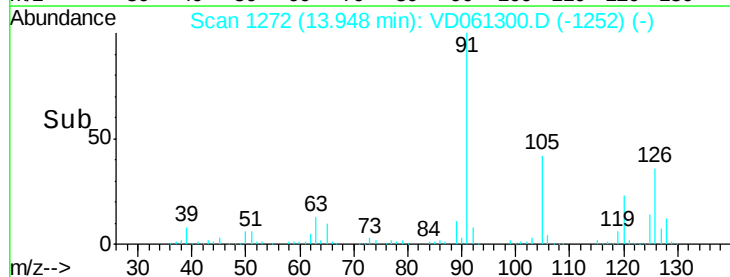
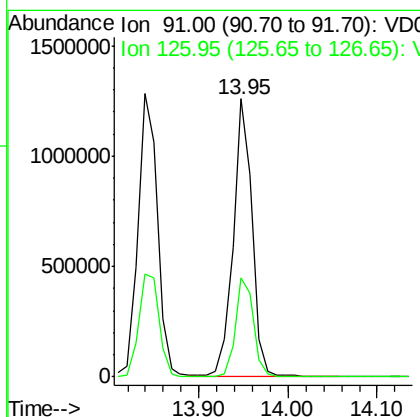
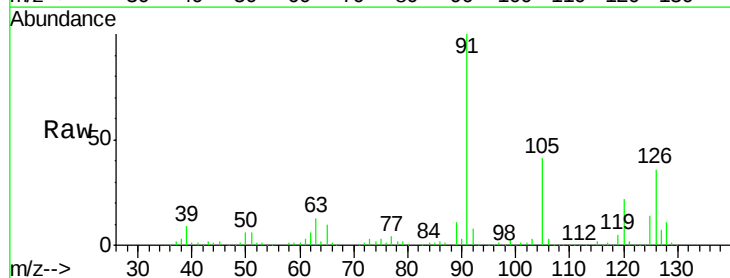
Manual Integrations
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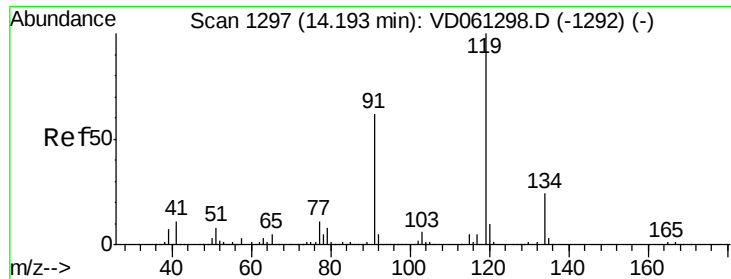
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3/26/2019 12:28:33 PM



#82
4-Chlorotoluene
Concen: 97.889 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.7	53.1





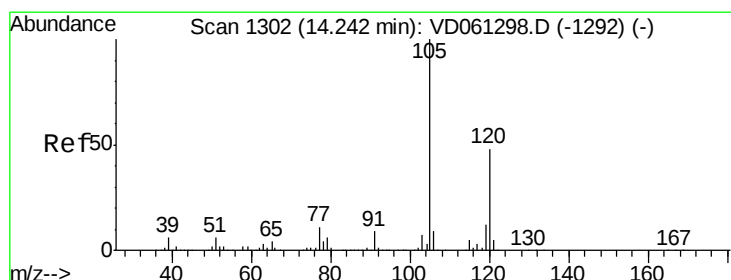
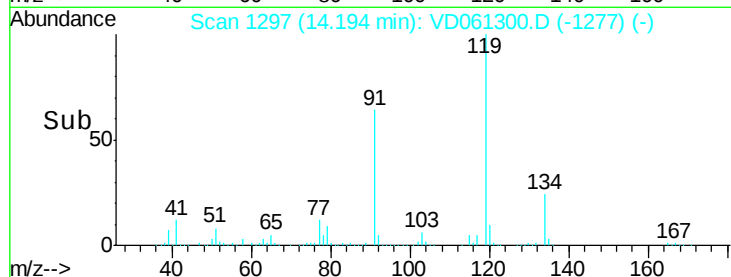
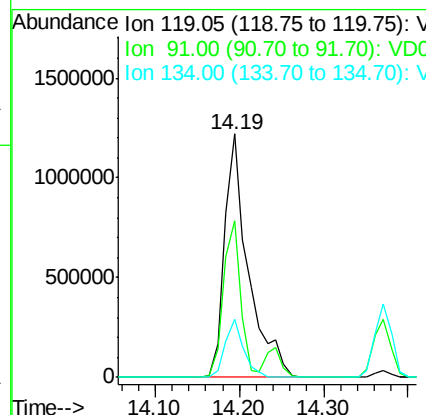
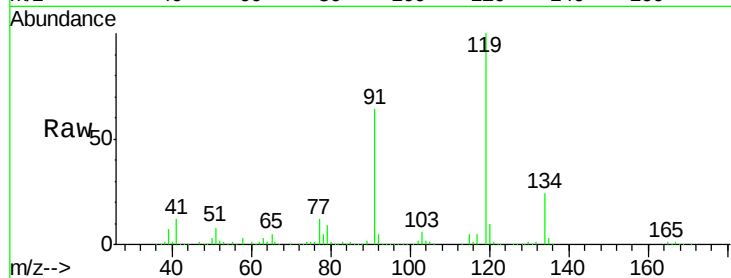
#83
tert-Butylbenzene
Concen: 100.014 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 2397361
Ion Ratio Lower Upper
119 100
91 64.2 31.1 93.5
134 23.7 11.9 35.7

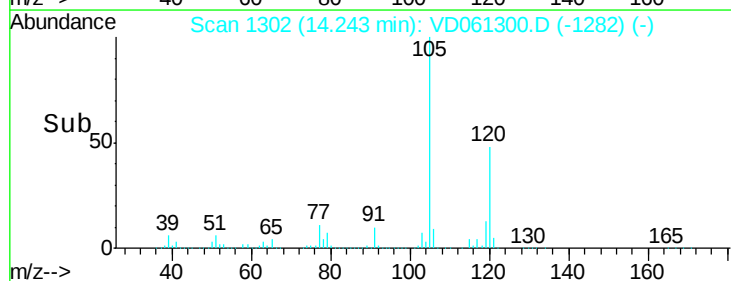
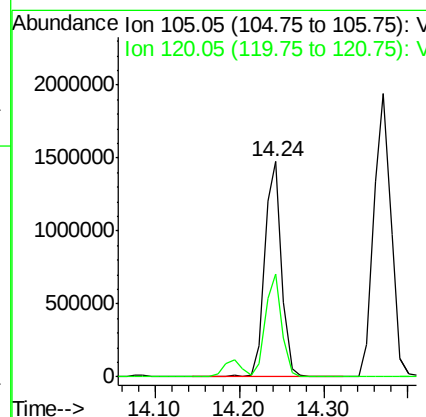
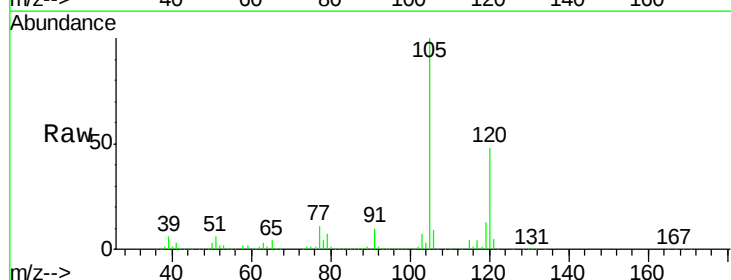
Manual Integrations
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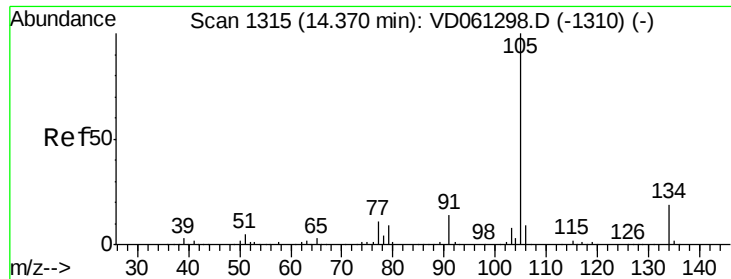
MMDadoda
3/26/2019 12:28:33 PM



#84
1,2,4-Trimethylbenzene
Concen: 98.755 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion:105 Resp: 2073242
Ion Ratio Lower Upper
105 100
120 47.8 23.8 71.4





#85

sec-Butylbenzene

Concen: 102.703 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2741652

Ion Ratio Lower Upper

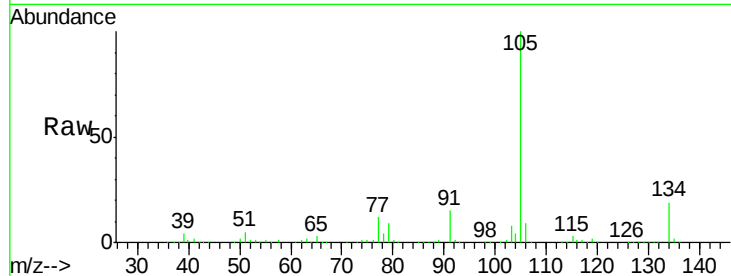
105 100

134 19.1 9.5 28.5

Manual Integrations
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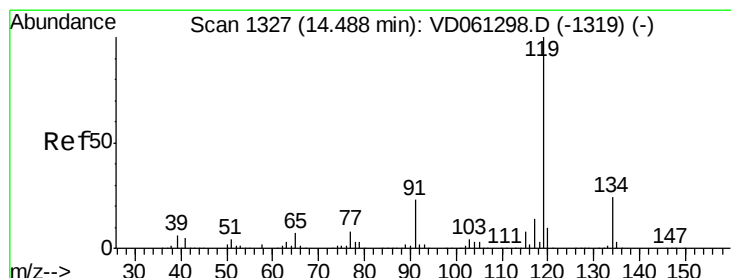
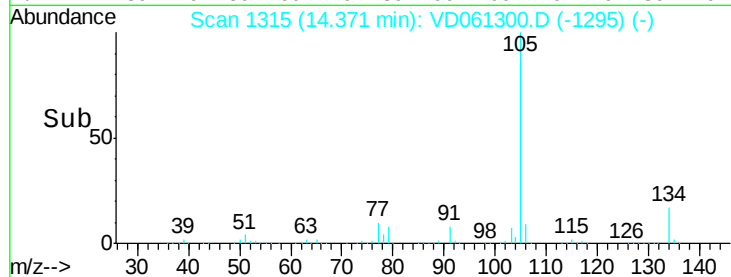
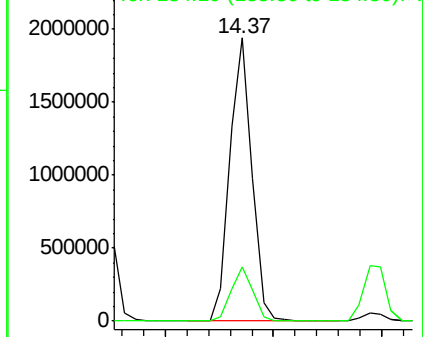
MMDadoda

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 93.523 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061300.D

Acq: 25 Mar 2019 13:09

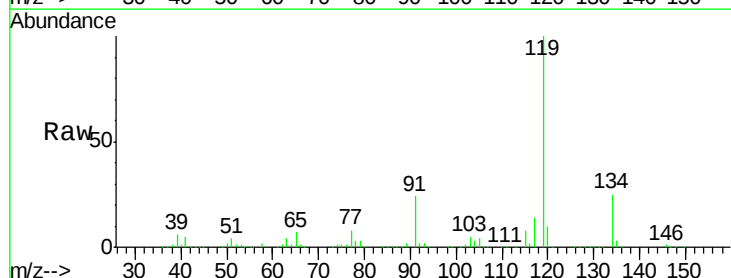
Tgt Ion:119 Resp: 2227349

Ion Ratio Lower Upper

119 100

134 24.5 12.1 36.3

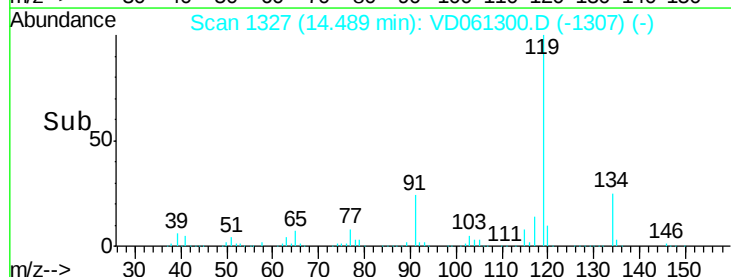
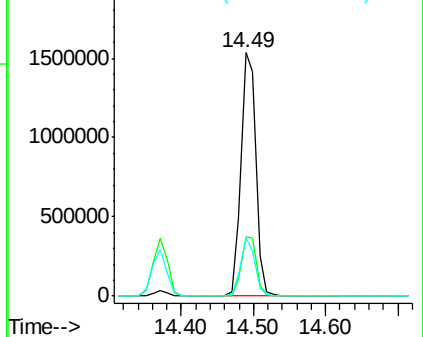
91 24.0 11.4 34.2

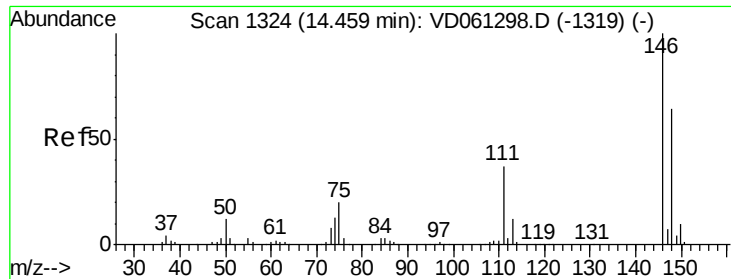


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





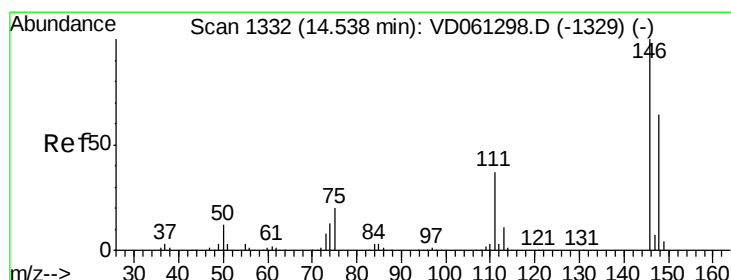
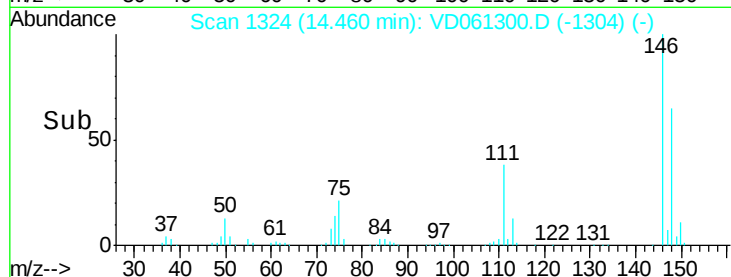
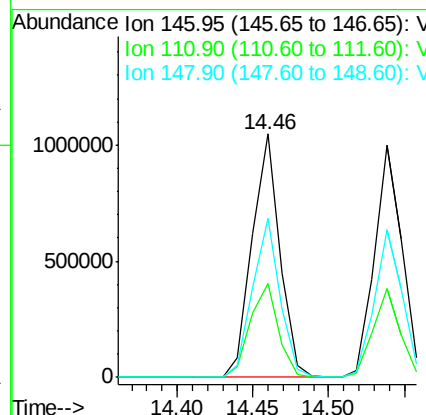
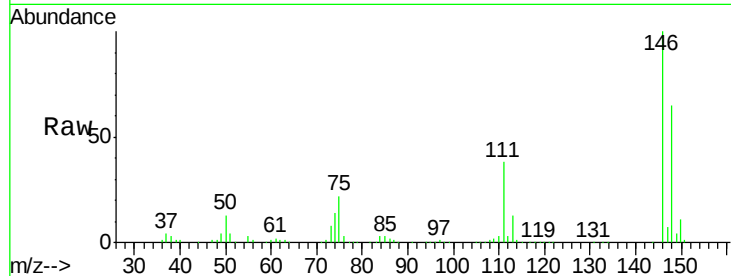
#87
 1,3-Dichlorobenzene
 Concen: 101.669 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1339604
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.4 55.0
 148 65.1 32.0 96.2

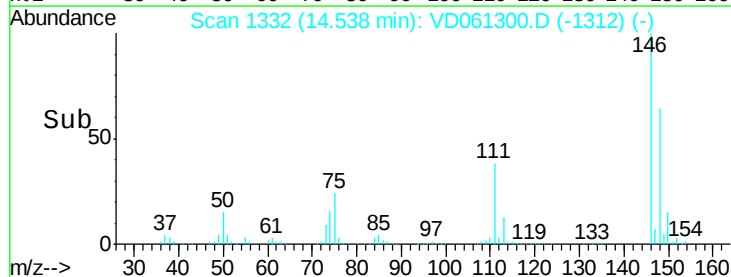
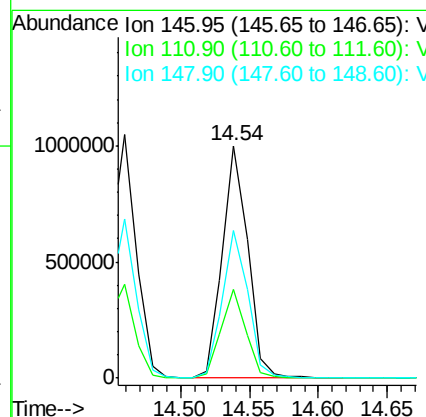
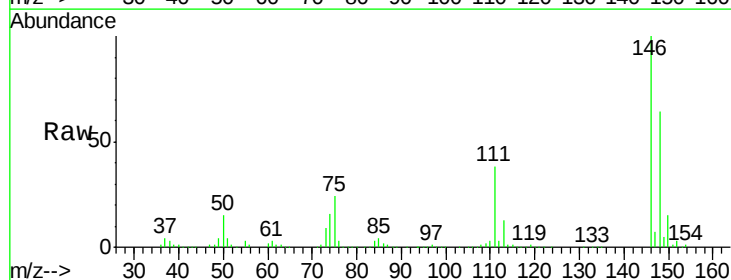
Manual Integrations
 APPROVED

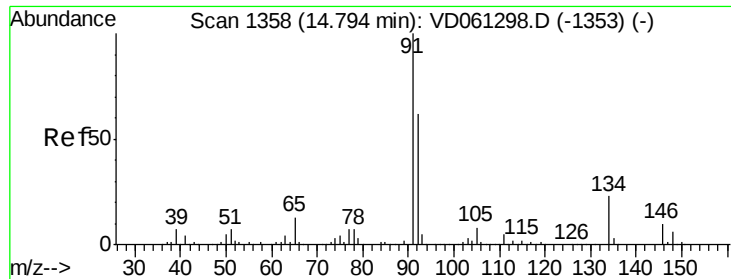
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#88
 1,4-Dichlorobenzene
 Concen: 100.152 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion:146 Resp: 1278291
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.6
 148 63.5 31.9 95.5





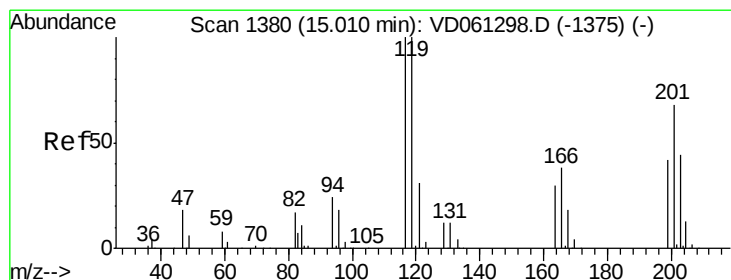
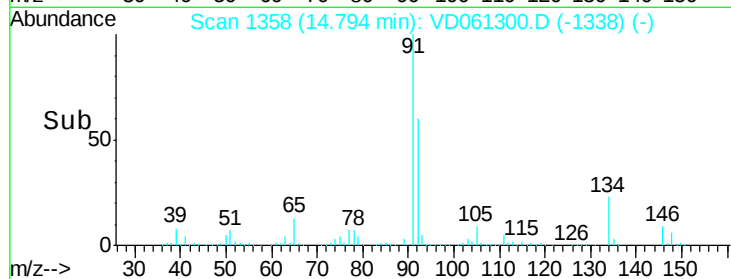
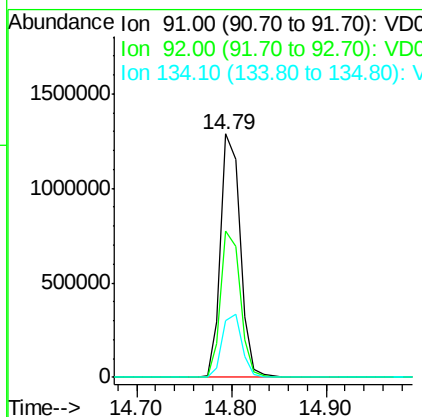
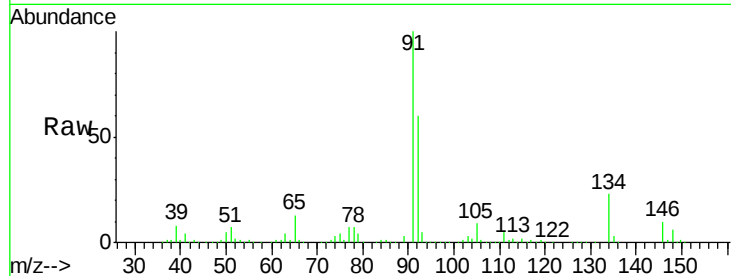
#89
n-Butylbenzene
Concen: 87.775 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1855971
Ion Ratio Lower Upper
91 100
92 60.3 30.9 92.7
134 23.2 11.7 35.0

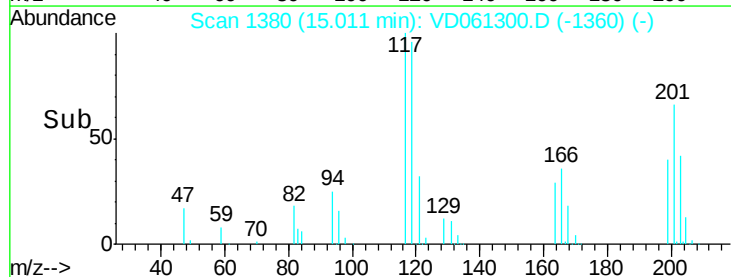
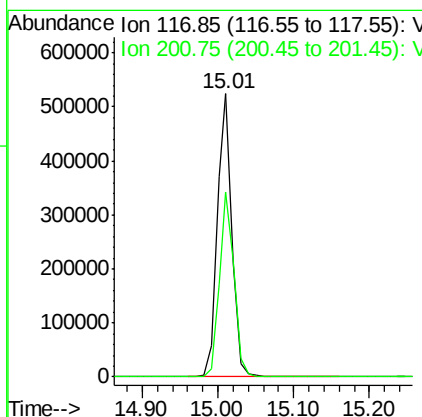
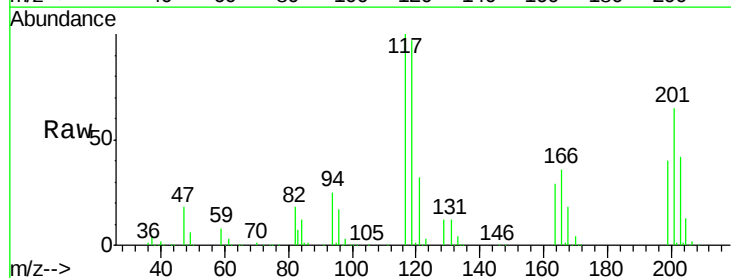
Manual Integrations
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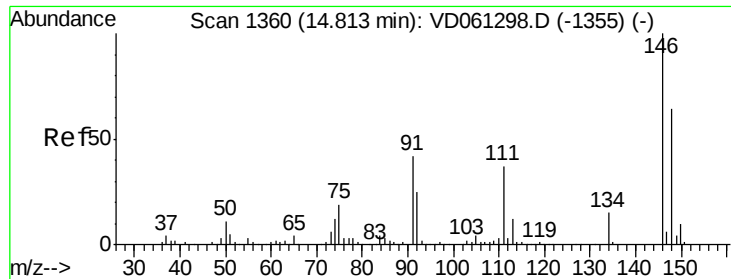
MMDadoda
3/26/2019 12:28:33 PM



#90
Hexachloroethane
Concen: 111.615 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion: 117 Resp: 712714
Ion Ratio Lower Upper
117 100
201 65.3 34.0 101.8





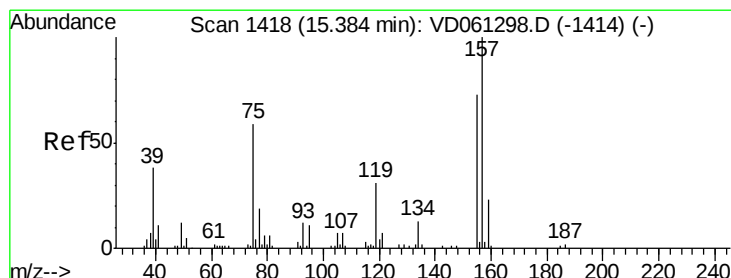
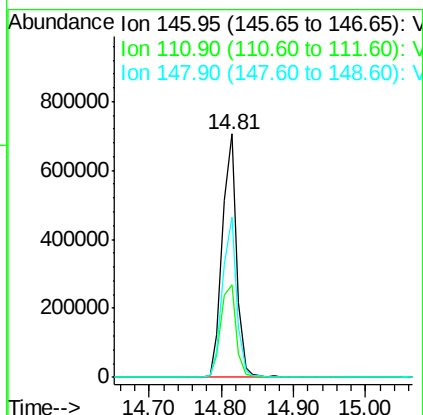
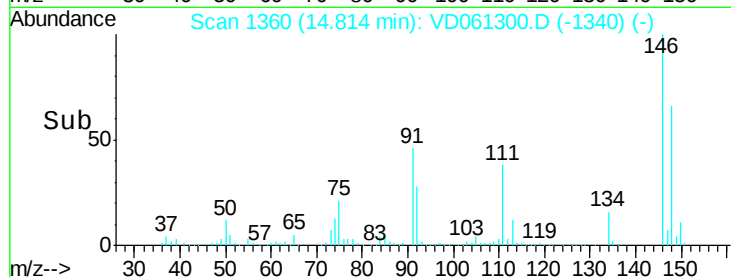
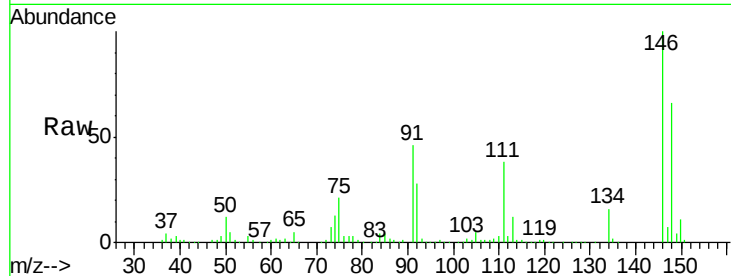
#91
 1,2-Dichlorobenzene
 Concen: 90.692 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.3	54.8
148	65.8	31.9	95.7

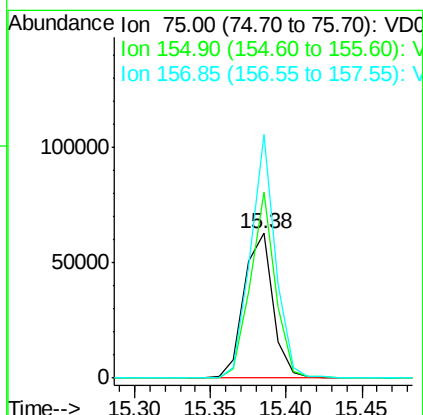
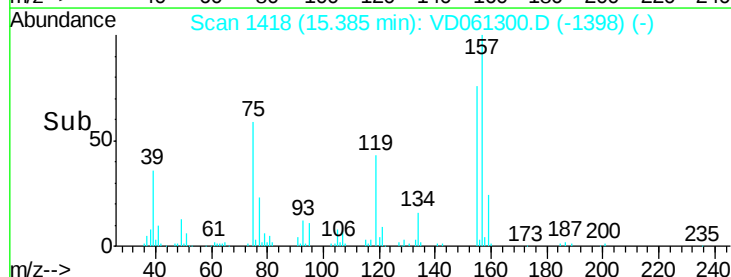
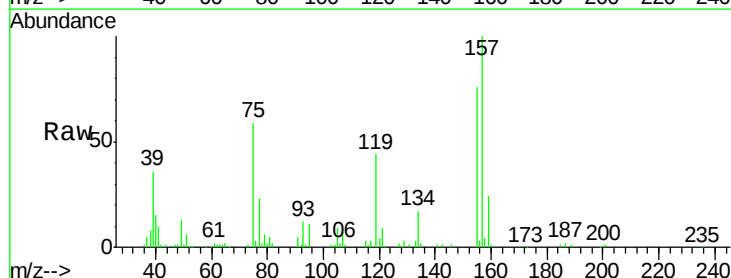
Manual Integrations
 APPROVED

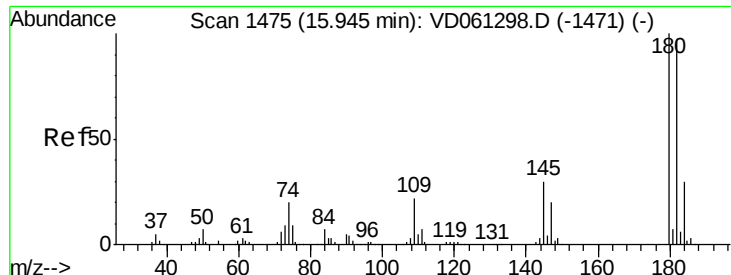
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 129.736 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	128.6	61.9	185.7
157	168.5	84.4	253.2





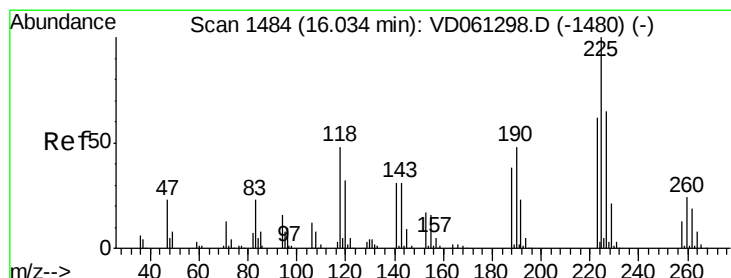
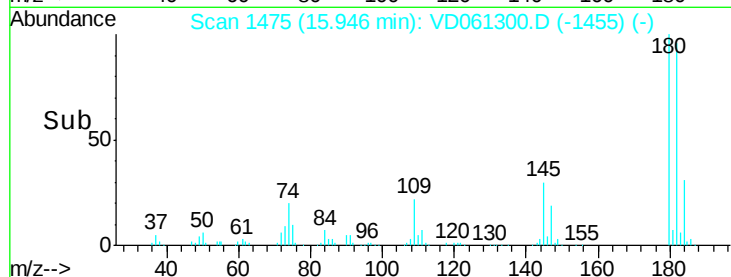
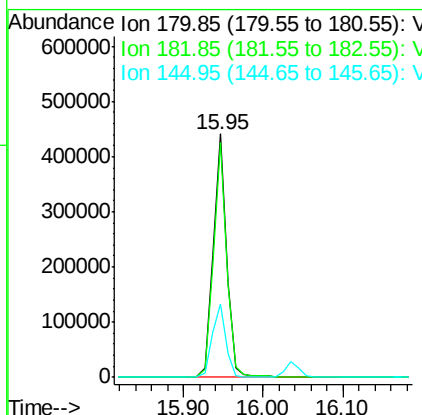
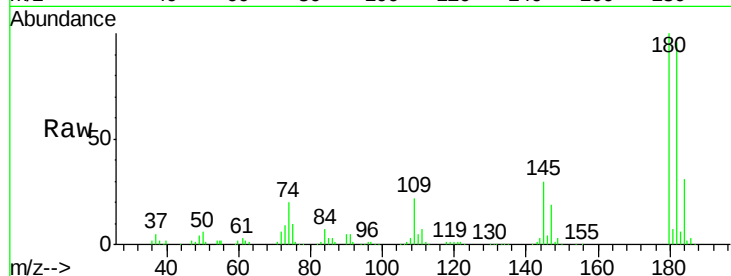
#93
 1,2,4-Trichlorobenzene
 Concen: 108.543 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.3	144.9
145	30.1	14.8	44.4

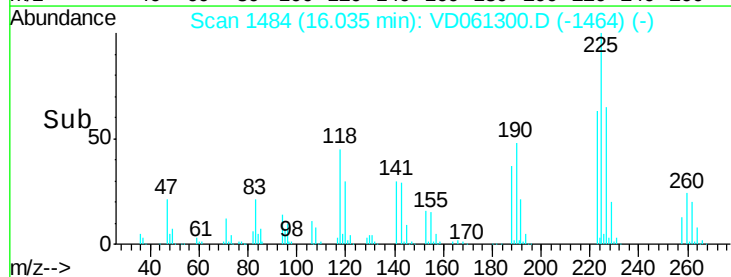
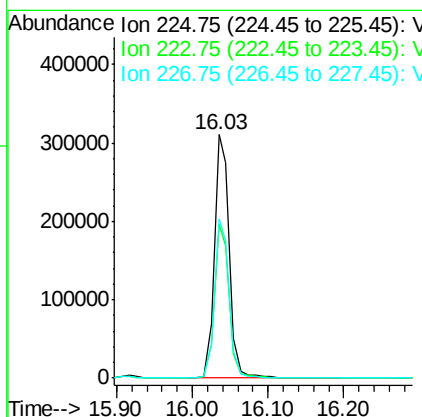
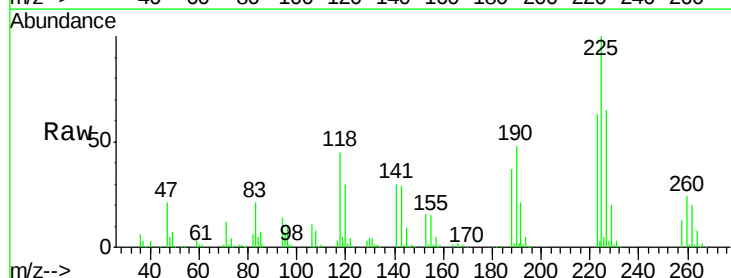
Manual Integrations
 APPROVED

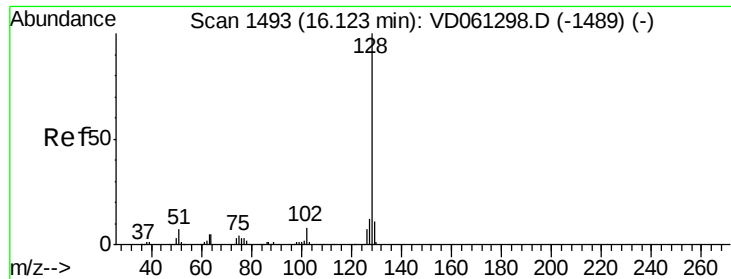
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#94
 Hexachlorobutadiene
 Concen: 110.706 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061300.D
 Acq: 25 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.9	92.8
227	65.5	32.6	97.7





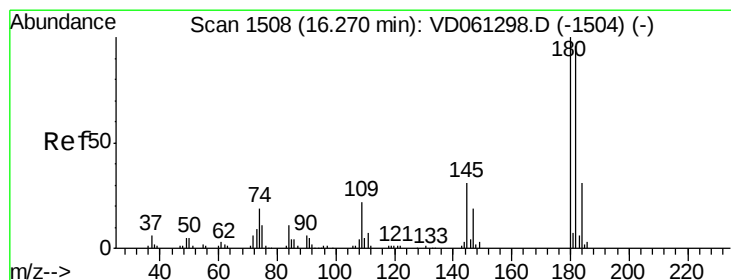
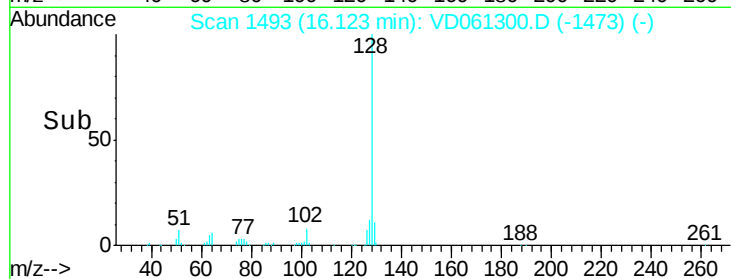
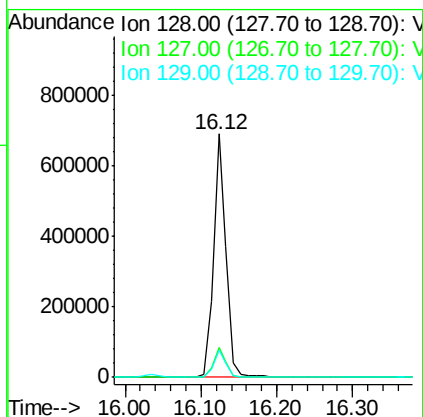
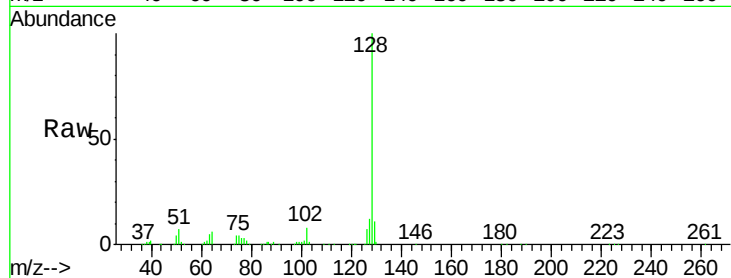
#95
Naphthalene
Concen: 113.878 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	806691		
127	12.5		9.8	14.6
129	11.4		8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 103.290 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061300.D
Acq: 25 Mar 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	234248		
182	95.7		48.0	144.2
145	31.4		15.4	46.4

