

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050919\
 Data File : VD062196.D
 Acq On : 9 May 2019 19:01
 Operator : FY/SY
 Sample : K2717-11MSD
 Misc : 4.98g/5mL/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 11:54:03 AM

Quant Time: May 10 05:00:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	469178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	641751	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	467720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	171913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	262444	60.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.38%	
35) Dibromofluoromethane	6.90	113	331131	62.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.38%	
50) Toluene-d8	10.40	98	681270	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
62) 4-Bromofluorobenzene	13.55	95	228168	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	233741	52.090	ug/l	97
3) Chloromethane	1.75	50	164260	50.660	ug/l	91
4) Vinyl Chloride	1.84	62	176804	55.484	ug/l	96
5) Bromomethane	2.15	94	91086	121.990	ug/l	99
6) Chloroethane	2.27	64	92488	69.169	ug/l	97
7) Trichlorofluoromethane	2.52	101	361875	58.412	ug/l	97
8) Diethyl Ether	2.86	74	65524	54.841	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.14	101	231642	49.428	ug/l	99
10) Methyl Iodide	3.30	142	344651	48.659	ug/l	91
11) Tert butyl alcohol	4.03	59	50308	226.041	ug/l	96
12) 1,1-Dichloroethene	3.12	96	201224	56.249	ug/l	98
13) Acrolein	3.02	56	18257	79.311	ug/l	99
14) Allyl chloride	3.61	41	277120	53.277	ug/l	87
15) Acrylonitrile	4.18	53	142353	243.342	ug/l	92
16) Acetone	3.20	43	171618	187.691	ug/l #	88
17) Carbon Disulfide	3.37	76	529567	51.459	ug/l	99
18) Methyl Acetate	3.62	43	306265	188.119	ug/l	92
19) Methyl tert-butyl Ether	4.22	73	414071	54.000	ug/l	96
20) Methylene Chloride	3.80	84	217438	56.954	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	222123	55.798	ug/l	95
22) Diisopropyl ether	5.09	45	619082	55.930	ug/l #	87
23) Vinyl Acetate	5.09	43	342299	58.613	ug/l #	77
24) 1,1-Dichloroethane	4.96	63	371503	55.636	ug/l	98
25) 2-Butanone	6.05	43	208520	209.073	ug/l	98
26) 2,2-Dichloropropane	6.00	77	370303	55.673	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	238345	53.490	ug/l	90
28) Bromochloromethane	6.42	49	167260	63.667	ug/l	91
29) Tetrahydrofuran	6.43	42	100440	218.567	ug/l	99
30) Chloroform	6.65	83	457284	56.824	ug/l	96
31) Cyclohexane	6.94	56	204440	44.689	ug/l	95
32) 1,1,1-Trichloroethane	6.84	97	418224	54.984	ug/l	99
36) 1,1-Dichloropropene	7.13	75	262450	49.879	ug/l	95
37) Ethyl Acetate	6.16	43	60793	27.244	ug/l	98
38) Carbon Tetrachloride	7.09	117	408035m	56.028	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	162606	32.254	ug/l	96
40) Benzene	7.43	78	625999	52.686	ug/l	99
41) Methacrylonitrile	6.42	41	125417	45.992	ug/l #	88
42) 1,2-Dichloroethane	7.56	62	287989	57.208	ug/l	94
43) Isopropyl Acetate	9.22	43	64685	20.440	ug/l	99
44) Trichloroethene	8.53	130	231103	51.044	ug/l	94
45) 1,2-Dichloropropane	8.92	63	154172	52.458	ug/l	95
46) Dibromomethane	9.05	93	129551	54.208	ug/l	89
47) Bromodichloromethane	9.35	83	333661	57.077	ug/l	99
48) Methyl methacrylate	9.10	41	114244	58.607	ug/l	93
49) 1,4-Dioxane	9.06	88	19764	939.705	ug/l	95
51) 4-Methyl-2-Pentanone	10.28	43	467034	229.582	ug/l	95
52) Toluene	10.49	92	395206	51.122	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	253265	50.128	ug/l	95
54) cis-1,3-Dichloropropene	10.02	75	289032	52.439	ug/l	91
55) 1,1,2-Trichloroethane	11.17	97	137502	50.270	ug/l	98
56) Ethyl methacrylate	11.03	69	63216	22.241	ug/l #	90
57) 1,3-Dichloropropane	11.39	76	207107	50.118	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	362727	233.624	ug/l	96
59) 2-Hexanone	11.52	43	301918	201.367	ug/l	97
60) Dibromochloromethane	11.67	129	241166	51.017	ug/l	99
61) 1,2-Dibromoethane	11.79	107	165214	49.681	ug/l	98
64) Tetrachloroethene	11.23	164	162755	44.500	ug/l	95
65) Chlorobenzene	12.38	112	396223	45.483	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	229792	60.610	ug/l	96
67) Ethyl Benzene	12.51	91	788297	54.051	ug/l	96
68) m/p-Xylenes	12.66	106	544665	102.649	ug/l	98
69) o-Xylene	13.03	106	266580	54.040	ug/l	93
70) Styrene	13.06	104	403074	48.234	ug/l	99
71) Bromoform	13.22	173	134957	51.163	ug/l	98
73) Isopropylbenzene	13.39	105	681099	66.094	ug/l	96
74) N-amyl acetate	13.25	43	58102	21.505	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	139189	71.347	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	145707	71.318	ug/l	99
77) Bromobenzene	13.66	156	183591	63.642	ug/l	92
78) n-propylbenzene	13.76	91	675460	54.948	ug/l	96
79) 2-Chlorotoluene	13.83	91	384182	54.569	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	510787	58.862	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.47	75	35840	62.140	ug/l #	79
82) 4-Chlorotoluene	13.94	91	452986	54.678	ug/l	94
83) tert-Butylbenzene	14.19	119	591222	60.616	ug/l	96
84) 1,2,4-Trimethylbenzene	14.22	105	511000	58.682	ug/l	90
85) sec-Butylbenzene	14.36	105	440796	41.219	ug/l	98
86) p-Isopropyltoluene	14.48	119	411565	43.076	ug/l	93
87) 1,3-Dichlorobenzene	14.45	146	244952	46.483	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	245644	47.441	ug/l	97
89) n-Butylbenzene	14.79	91	268354	31.292	ug/l	94
90) Hexachloroethane	15.00	117	120151	46.242	ug/l	64
91) 1,2-Dichlorobenzene	14.80	146	209692	48.317	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	22379	69.882	ug/l	84

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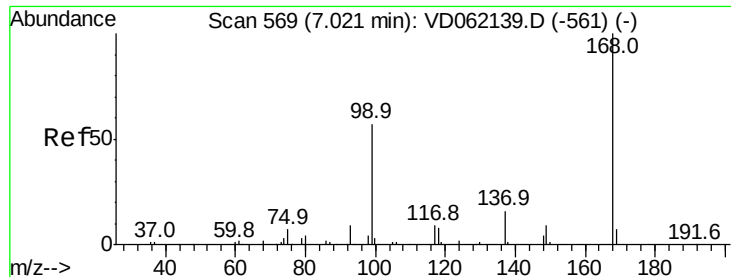
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	70466	22.307	ug/l	90
94) Hexachlorobutadiene	16.03	225	32137	13.678	ug/l	99
95) Naphthalene	16.11	128	133920	30.366	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	40538	20.411	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:168 Resp: 469178

Ion Ratio Lower Upper

168 100

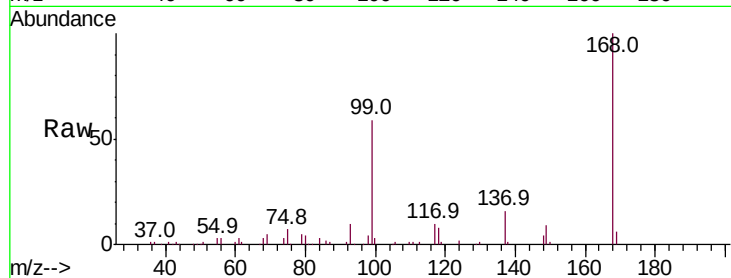
99 59.3 46.5 69.7

Manual Integrations

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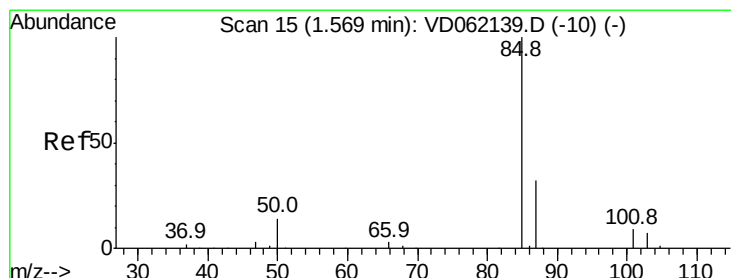
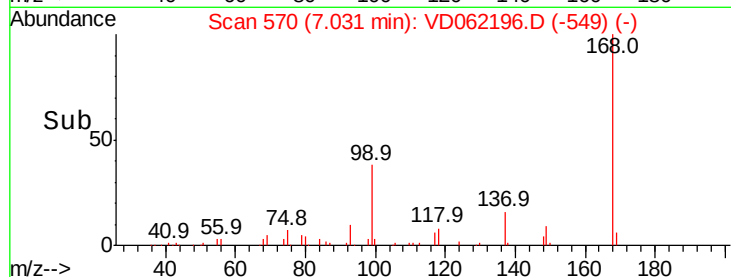
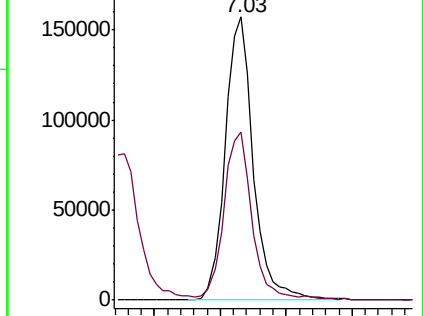
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 52.090 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062196.D

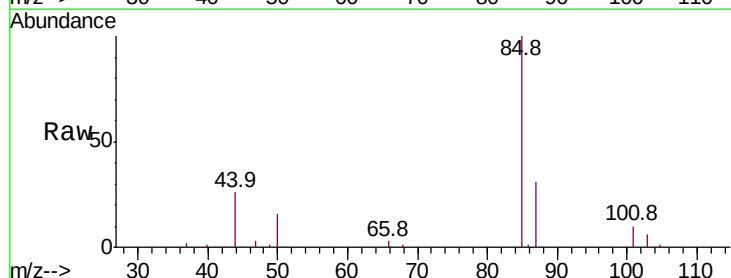
Acq: 9 May 2019 19:01

Tgt Ion: 85 Resp: 233741

Ion Ratio Lower Upper

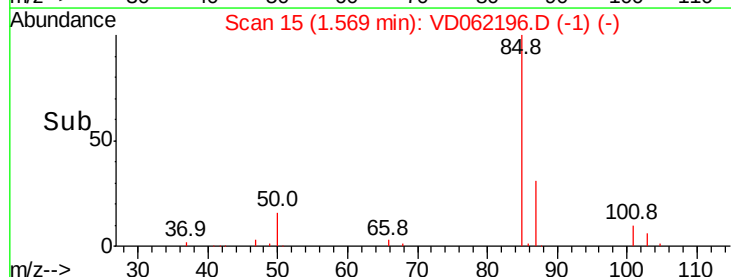
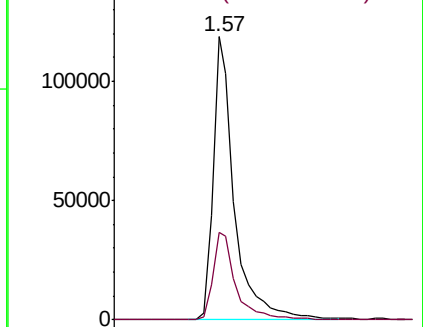
85 100

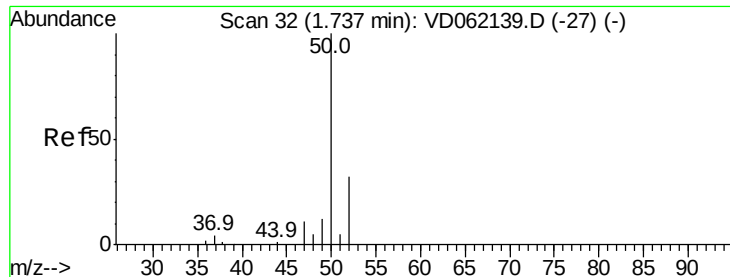
87 30.9 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.660 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 50 Resp: 164260

Ion Ratio Lower Upper

50 100

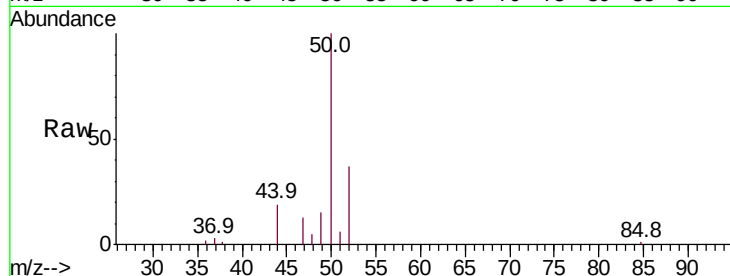
52 36.5 25.2 37.8

Manual Integrations

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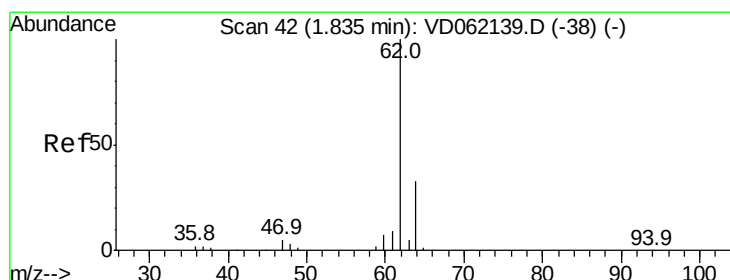
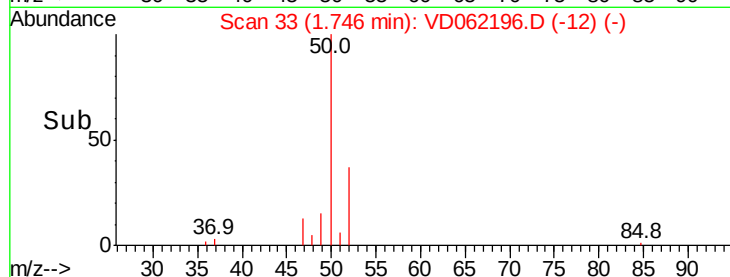
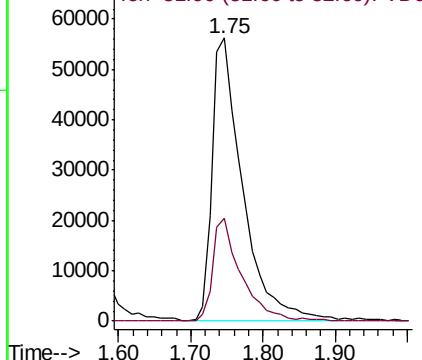
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 55.484 ug/l

RT: 1.84 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062196.D

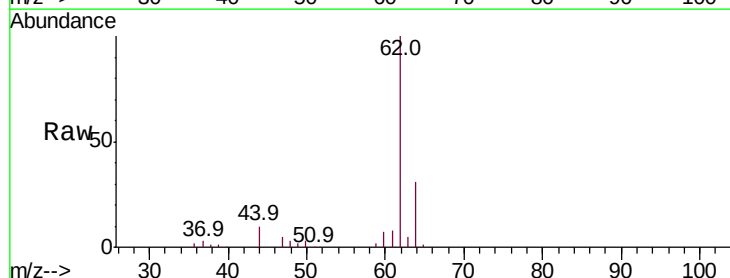
Acq: 9 May 2019 19:01

Tgt Ion: 62 Resp: 176804

Ion Ratio Lower Upper

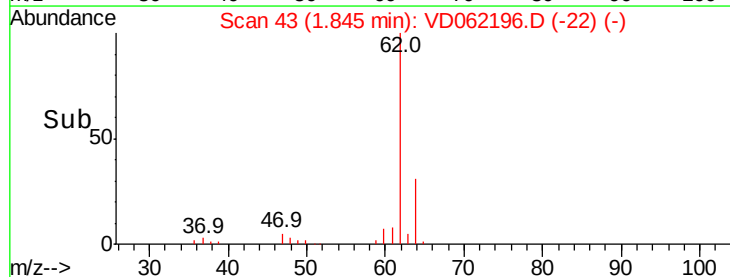
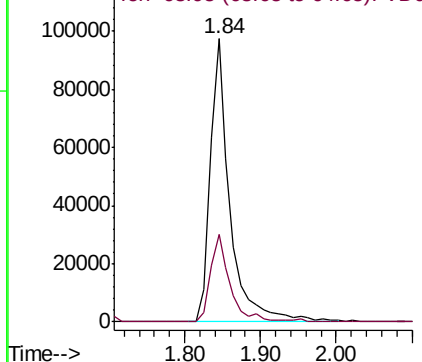
62 100

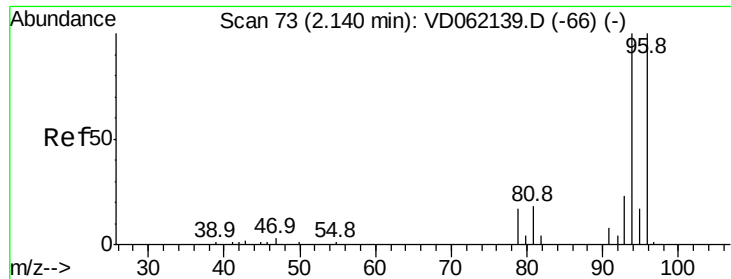
64 30.9 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 121.990 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

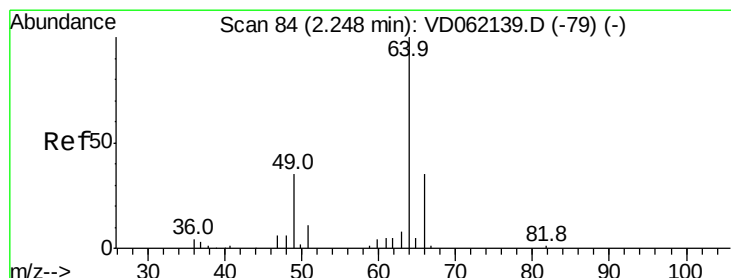
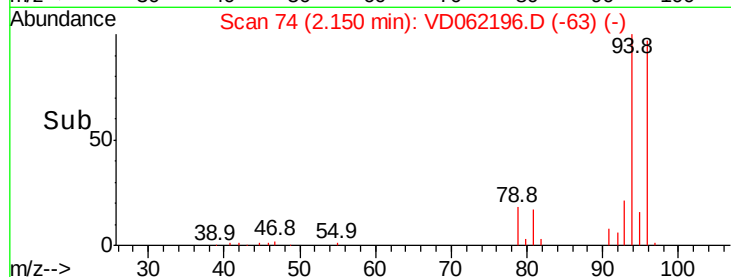
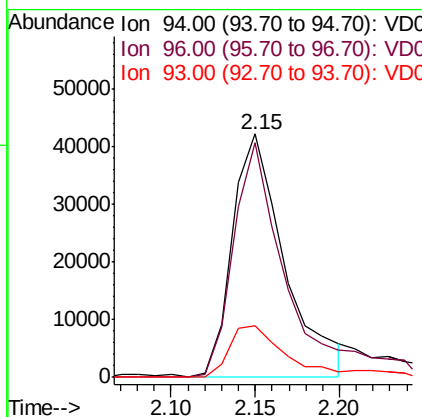
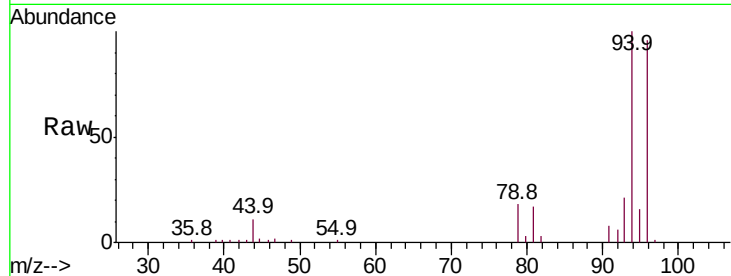
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:	94	Resp:	91086
Ion	Ratio	Lower	Upper
94	100		
96	96.3	76.6	115.0
93	21.1	18.5	27.7

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#6

Chloroethane

Concen: 69.169 ug/l

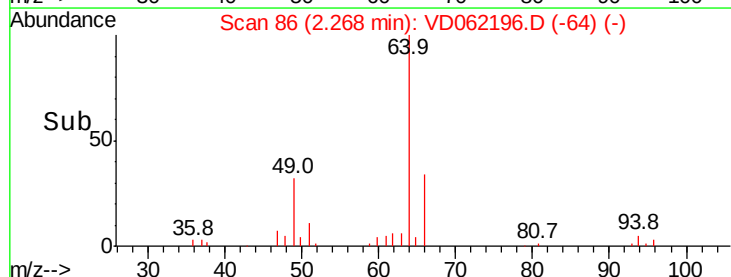
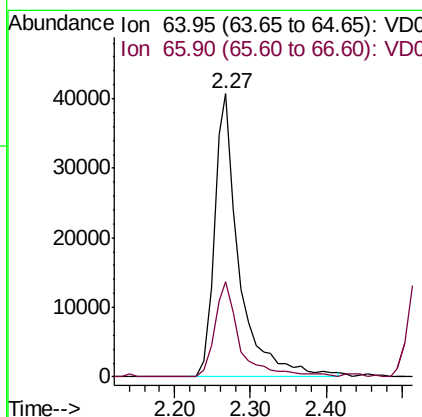
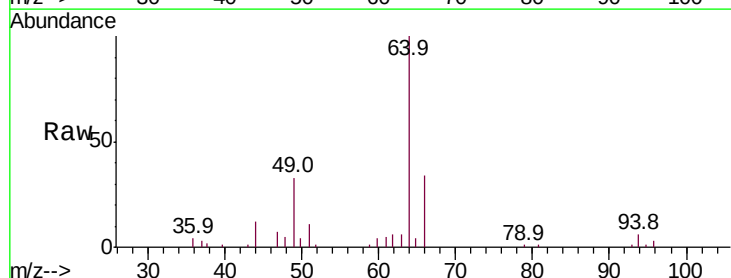
RT: 2.27 min Scan# 86

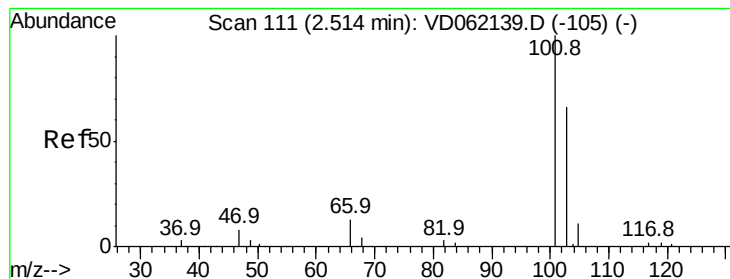
Delta R.T. 0.02 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Tgt Ion:	64	Resp:	92488
Ion	Ratio	Lower	Upper
64	100		
66	33.7	25.6	38.4





#7

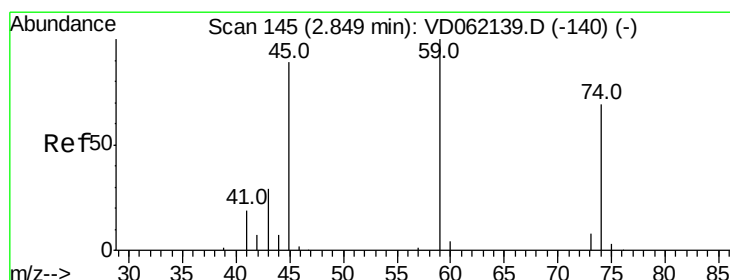
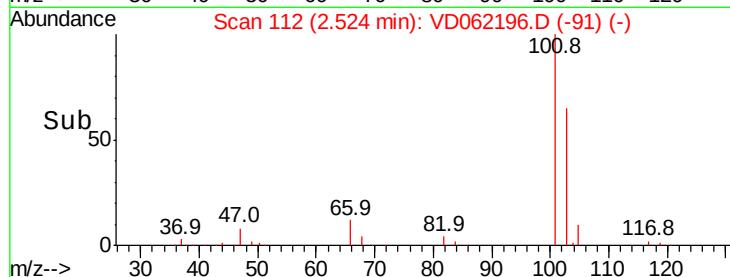
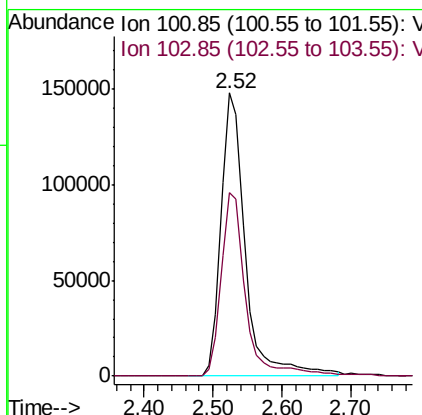
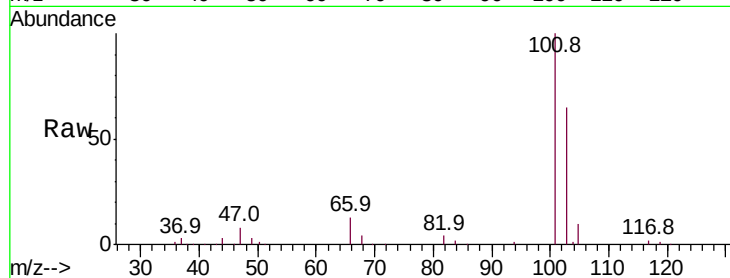
Trichlorofluoromethane
Concen: 58.412 ug/l
RT: 2.52 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
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P026-SS002-1218-01MSD

Tot Ion:101 Resp: 361875
Ion Ratio Lower Upper
101 100
103 64.7 53.6 80.4

Manual Integrations
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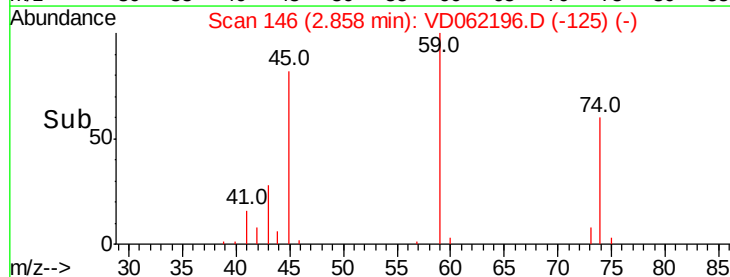
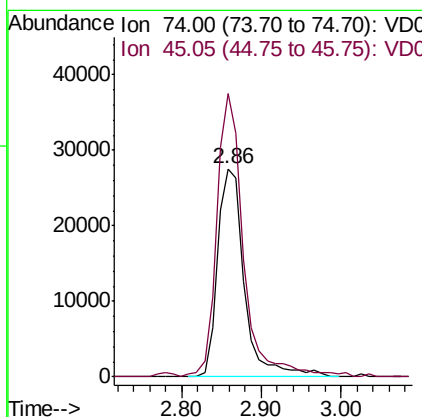
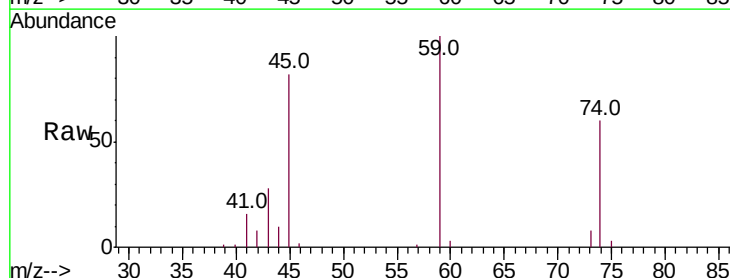
MMDadoda
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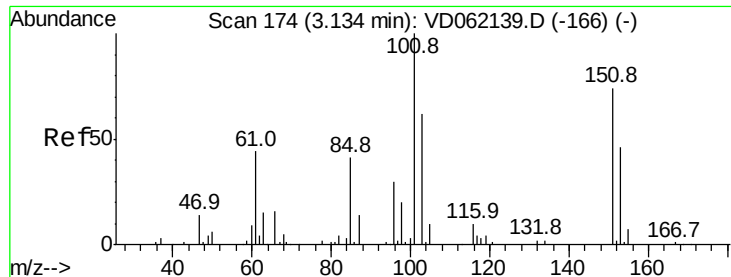


#8

Diethyl Ether
Concen: 54.841 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion: 74 Resp: 65524
Ion Ratio Lower Upper
74 100
45 136.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.428 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

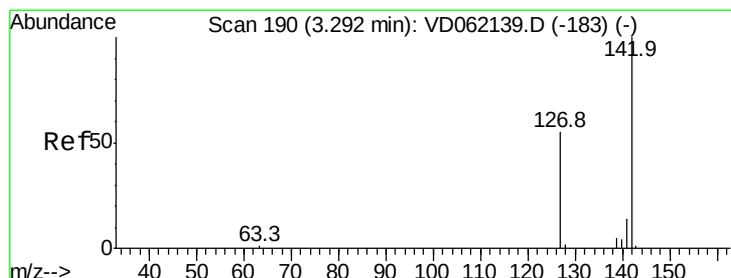
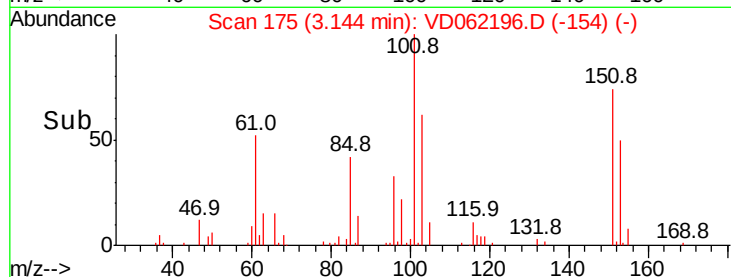
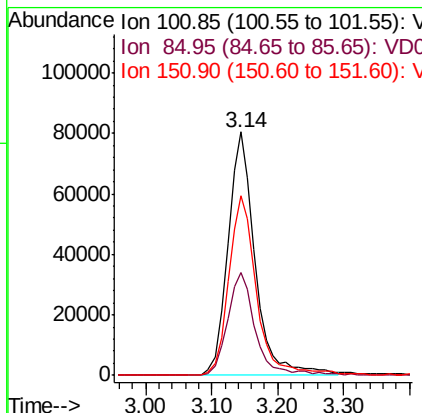
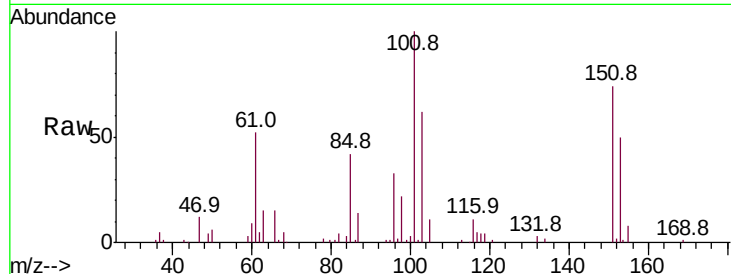
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:	101	Resp:	231642
Ion Ratio	Lower	Upper	
101	100		
85	42.2	32.4	48.6
151	73.7	59.4	89.0

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#10

Methyl Iodide

Concen: 48.659 ug/l

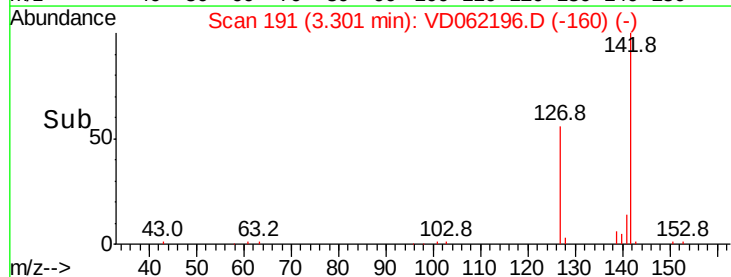
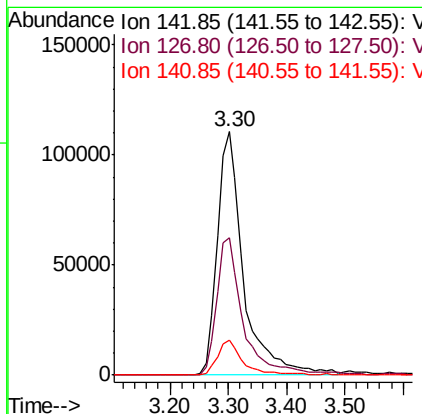
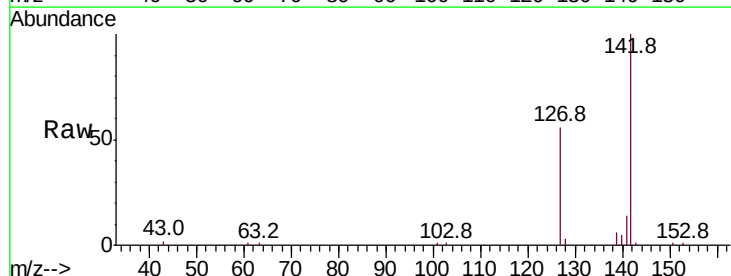
RT: 3.30 min Scan# 191

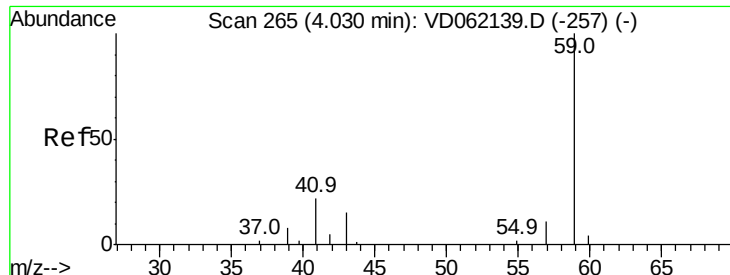
Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Tgt Ion:	142	Resp:	344651
Ion Ratio	Lower	Upper	
142	100		
127	56.4	38.8	58.2
141	14.2	11.4	17.0





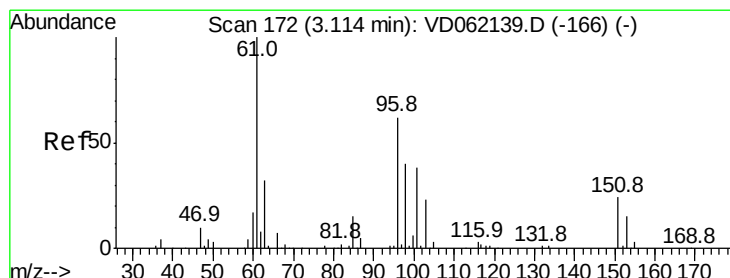
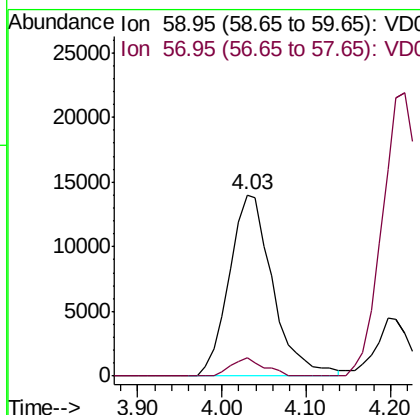
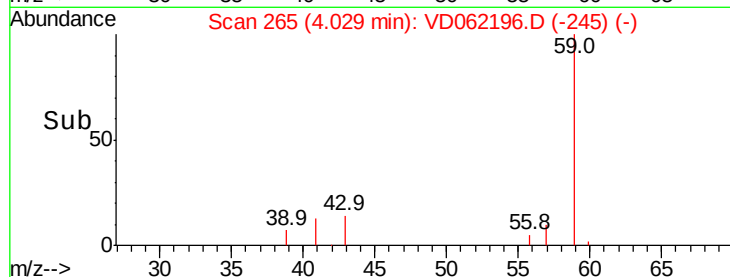
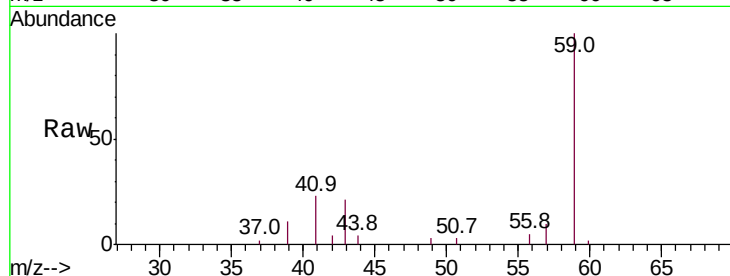
#11
Tert butyl alcohol
Concen: 226.041 ug/l
RT: 4.03 min Scan# 265
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion: 59 Resp: 50308
Ion Ratio Lower Upper
59 100
57 10.0 6.9 10.3

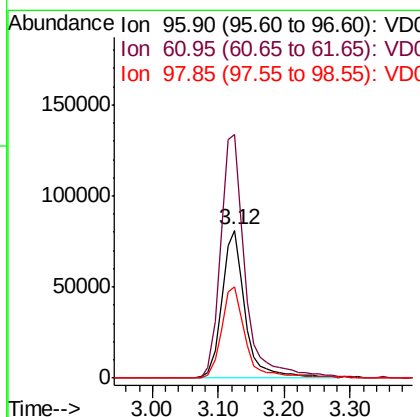
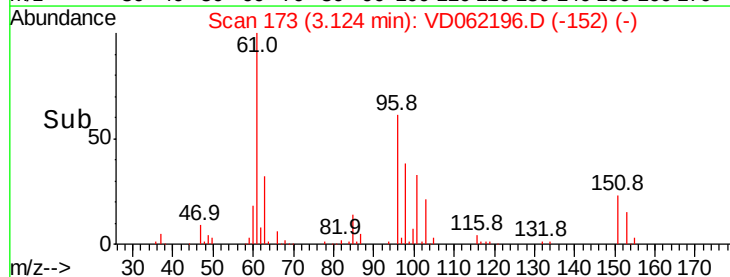
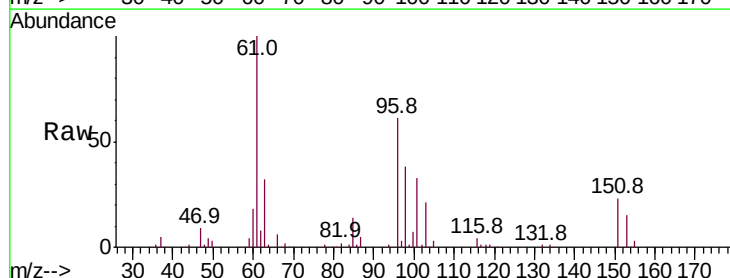
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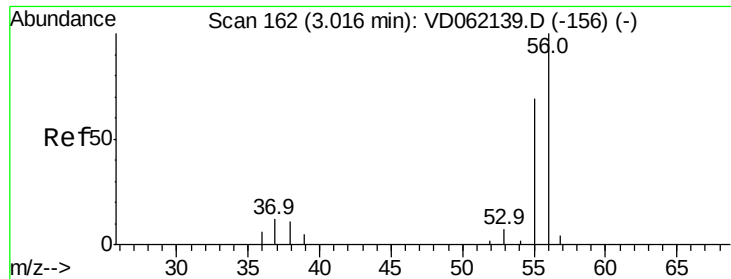
MMDadoda
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#12
1,1-Dichloroethene
Concen: 56.249 ug/l
RT: 3.12 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion: 96 Resp: 201224
Ion Ratio Lower Upper
96 100
61 164.3 129.8 194.8
98 61.8 51.2 76.8





#13

Acrolein

Concen: 79.311 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 56 Resp: 18257

Ion Ratio Lower Upper

56 100

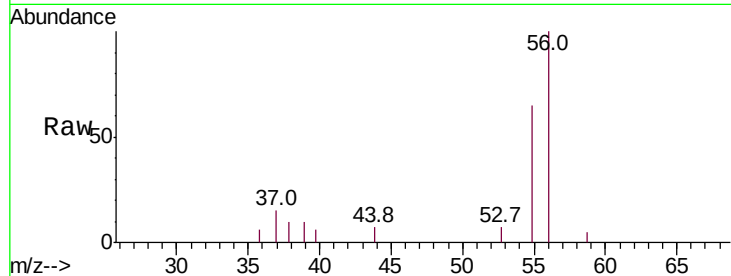
55 64.7 51.4 77.2

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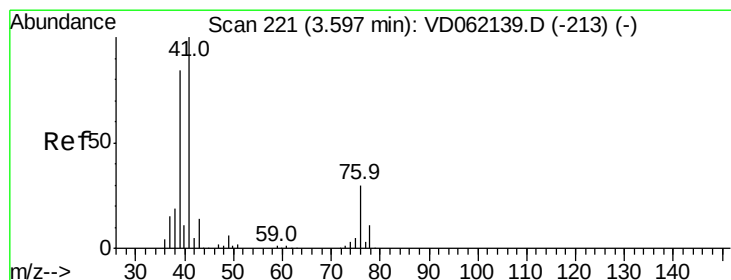
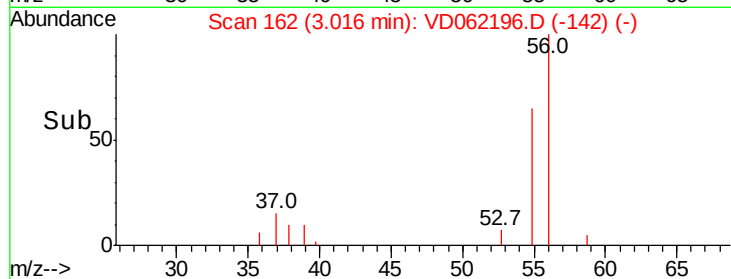
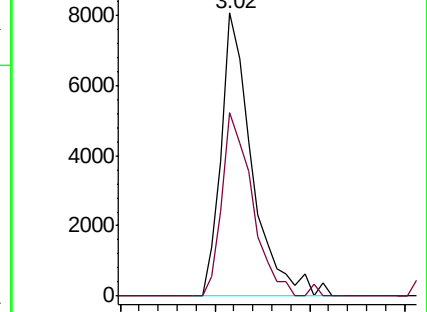
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.277 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

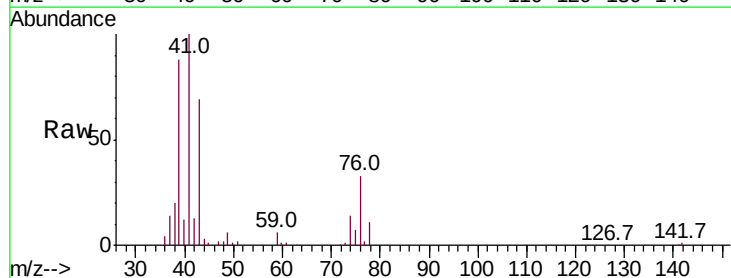
Tgt Ion: 41 Resp: 277120

Ion Ratio Lower Upper

41 100

39 87.7 60.5 90.7

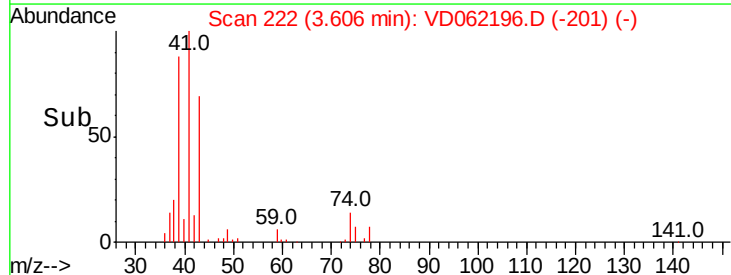
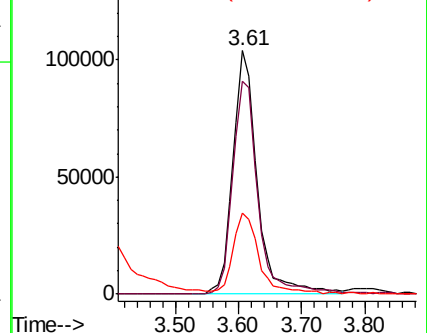
76 33.1 31.8 47.8

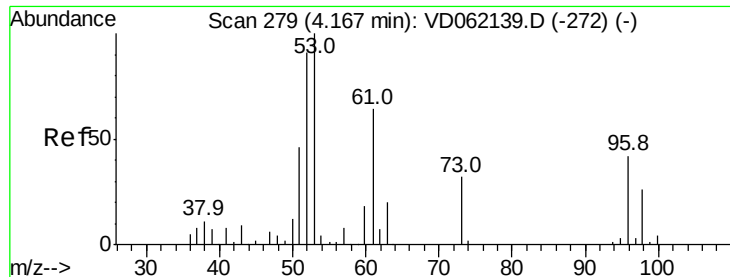


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 243.342 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

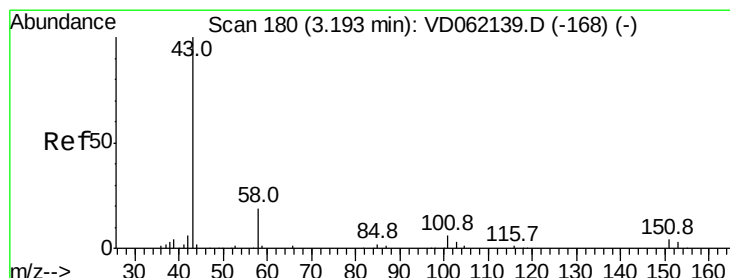
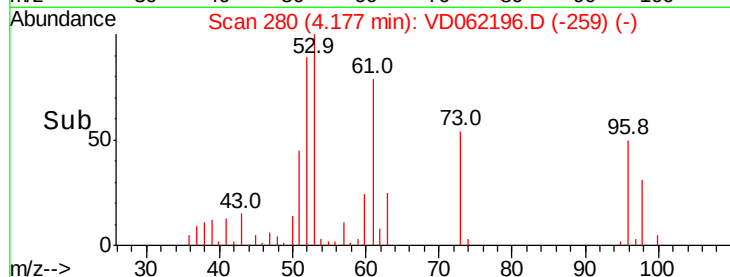
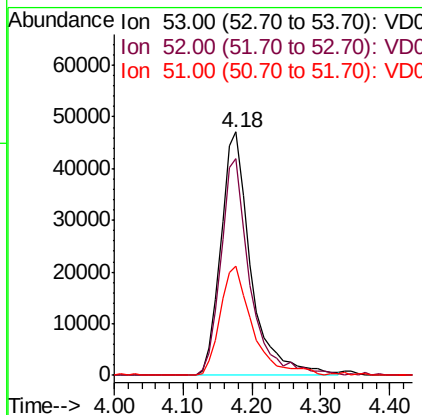
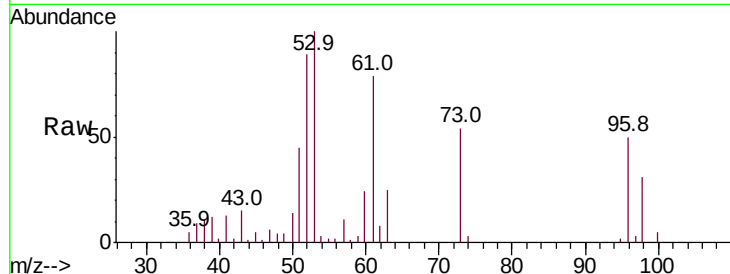
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:	53	Resp:	142353
Ion Ratio	Lower	Upper	
53	100		
52	89.0	65.0	97.4
51	44.8	32.6	48.8

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#16

Acetone

Concen: 187.691 ug/l

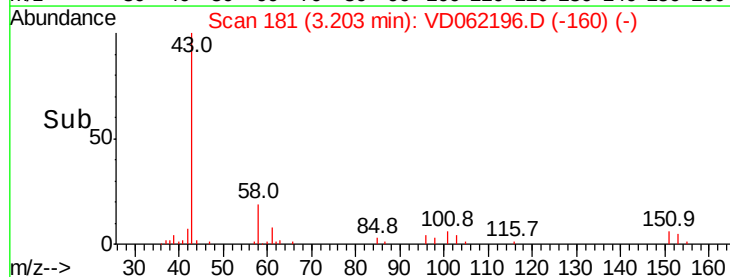
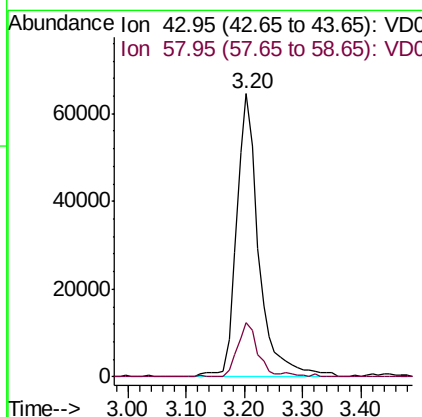
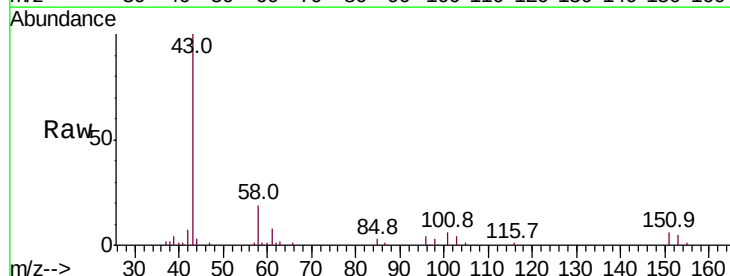
RT: 3.20 min Scan# 181

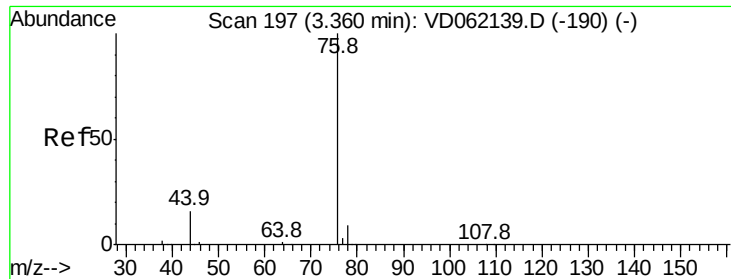
Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Tgt Ion:	43	Resp:	171618
Ion Ratio	Lower	Upper	
43	100		
58	19.0	19.9	29.9#





#17

Carbon Disulfide

Concen: 51.459 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 76 Resp: 529567

Ion Ratio Lower Upper

76 100

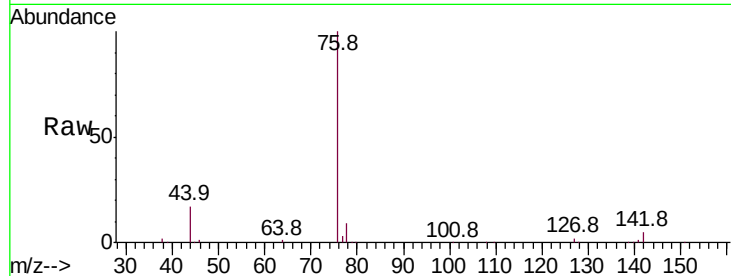
78 9.4 7.2 10.8

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

250000

200000

150000

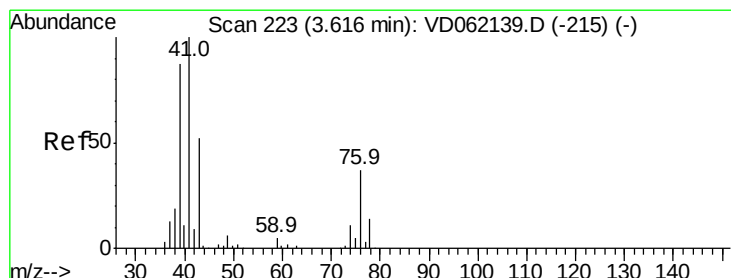
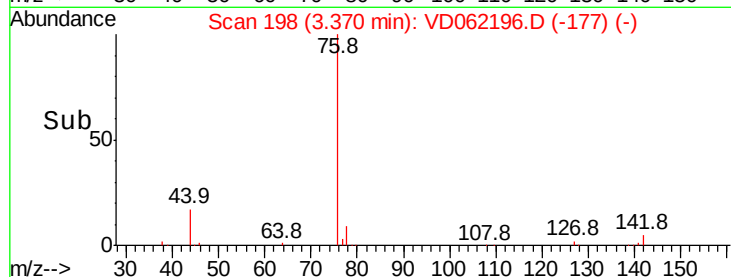
100000

50000

0

3.20 3.30 3.40 3.50 3.60

Time-->



#18

Methyl Acetate

Concen: 188.119 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD062196.D

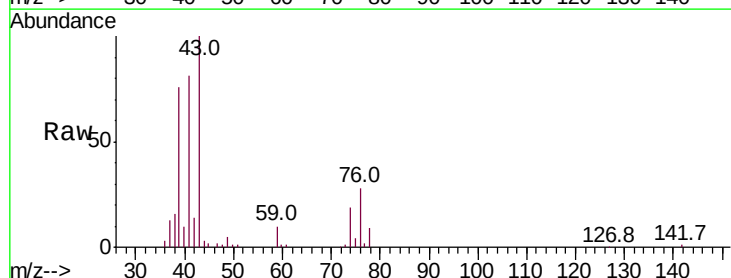
Acq: 9 May 2019 19:01

Tgt Ion: 43 Resp: 306265

Ion Ratio Lower Upper

43 100

74 18.7 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

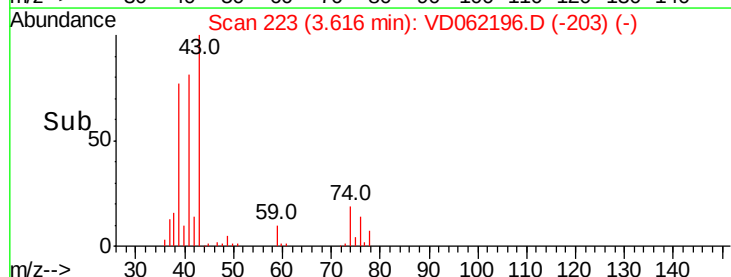
100000

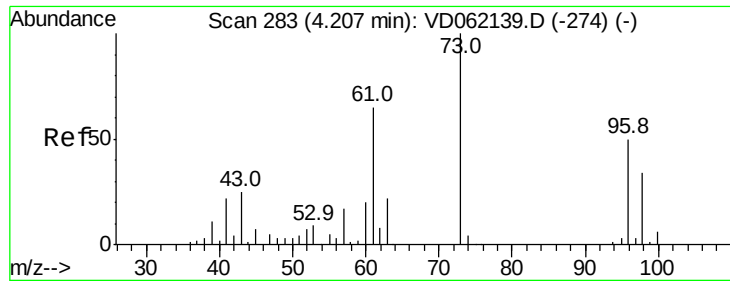
50000

0

3.50 3.60 3.70 3.80

Time-->





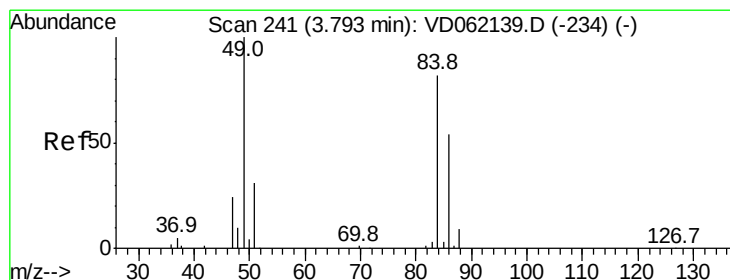
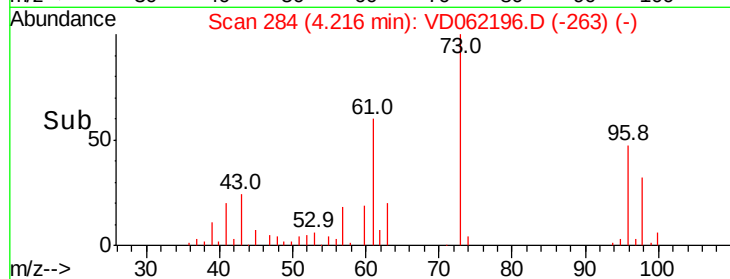
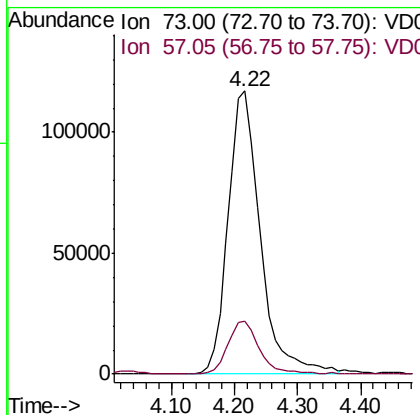
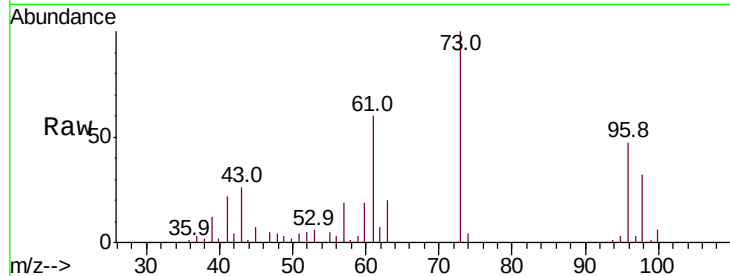
#19
Methyl tert-butyl Ether
Concen: 54.000 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion: 73 Resp: 414071
Ion Ratio Lower Upper
73 100
57 18.7 16.3 24.5

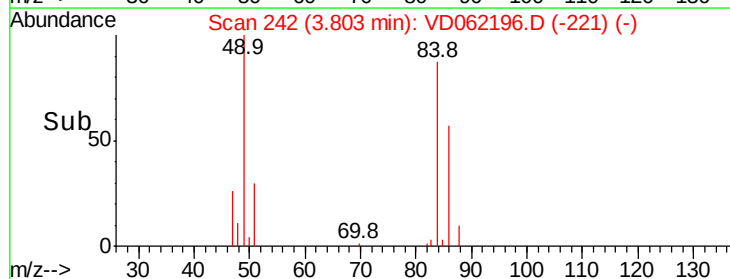
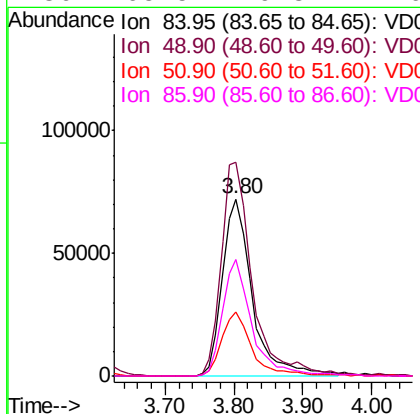
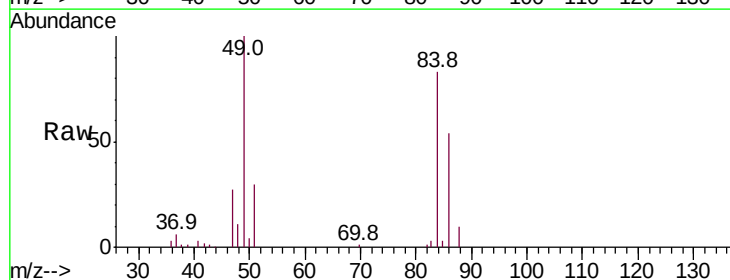
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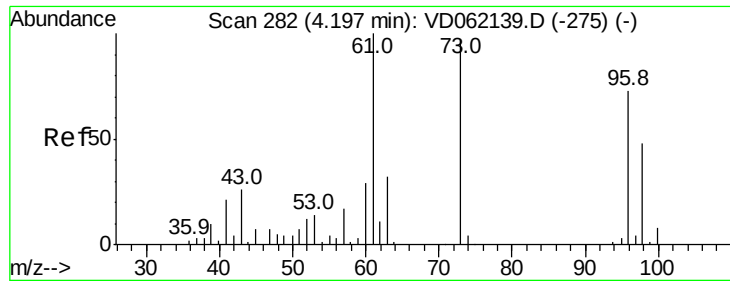
MMDadoda
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#20
Methylene Chloride
Concen: 56.954 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion: 84 Resp: 217438
Ion Ratio Lower Upper
84 100
49 120.5 94.0 141.0
51 36.3 29.0 43.4
86 65.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 55.798 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 96 Resp: 222123

Ion Ratio Lower Upper

96 100

61 138.7 104.4 156.6

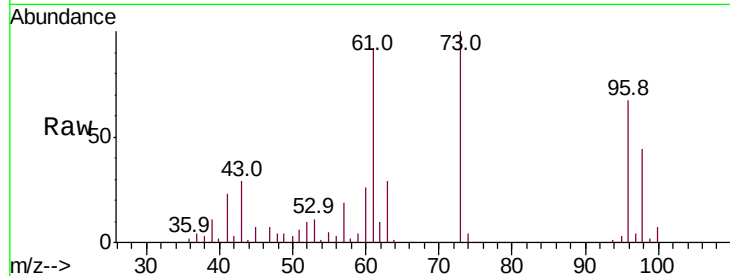
98 65.7 51.8 77.8

Manual Integrations

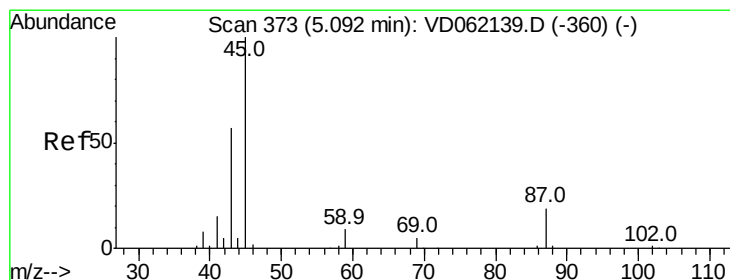
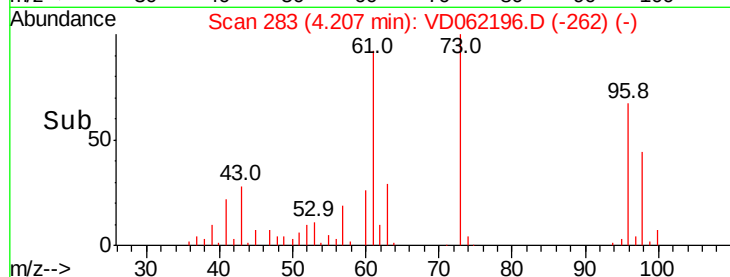
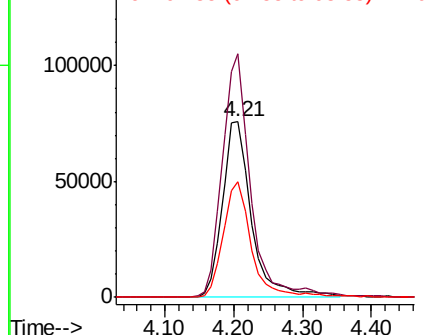
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 55.930 ug/l

RT: 5.09 min Scan# 373

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Tgt Ion: 45 Resp: 619082

Ion Ratio Lower Upper

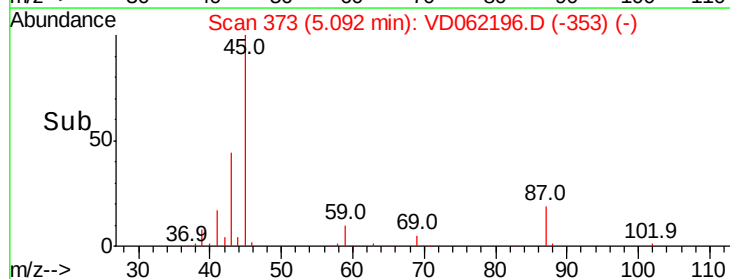
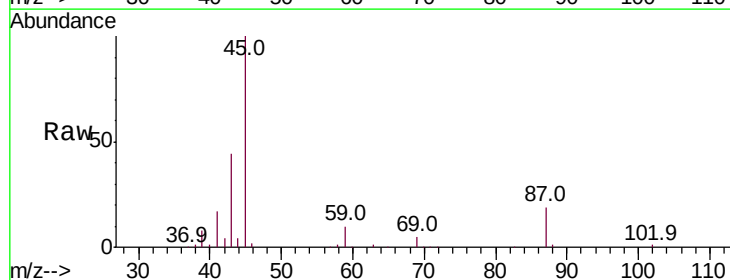
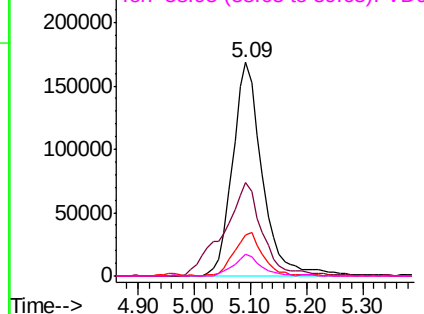
45 100

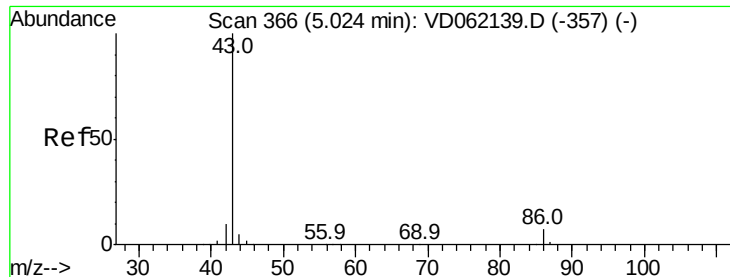
43 43.8 46.2 69.2#

87 19.2 15.9 23.9

59 10.1 7.9 11.9

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





#23

Vinyl Acetate

Concen: 58.613 ug/l

RT: 5.09 min Scan# 373

Delta R.T. 0.07 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 43 Resp: 342299

Ion Ratio Lower Upper

43 100

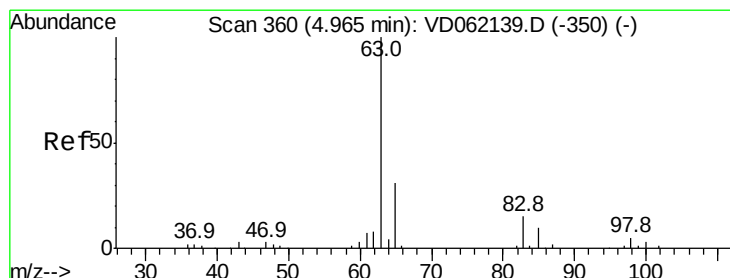
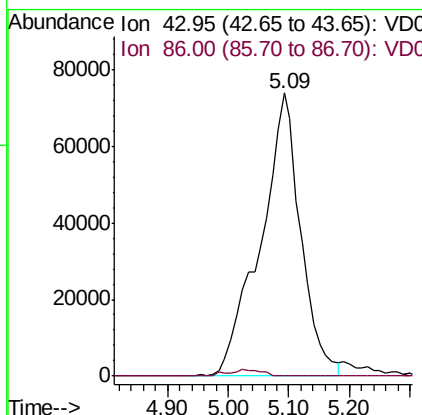
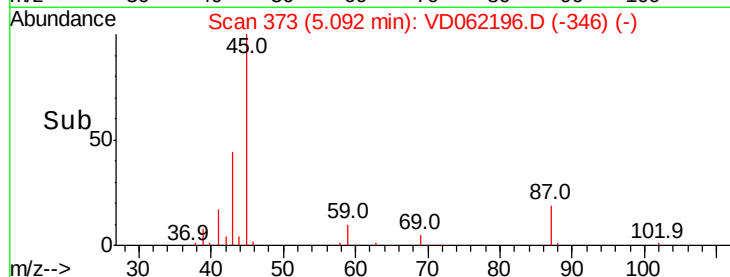
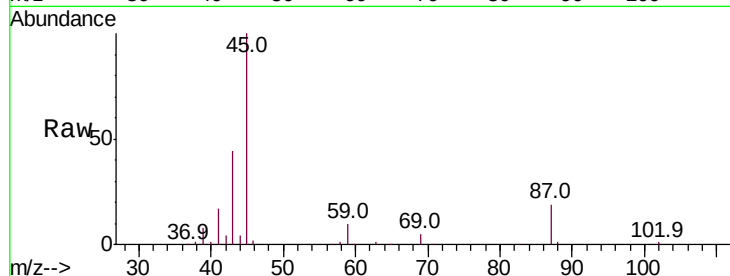
86 0.0 6.4 9.6#

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#24

1,1-Dichloroethane

Concen: 55.636 ug/l

RT: 4.96 min Scan# 360

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

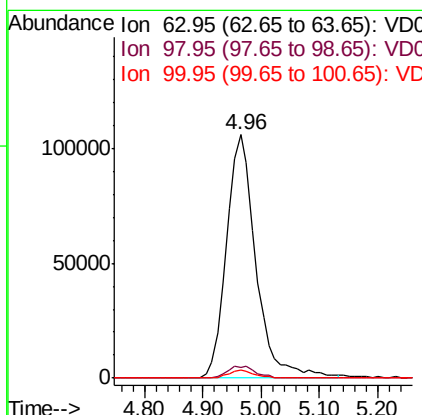
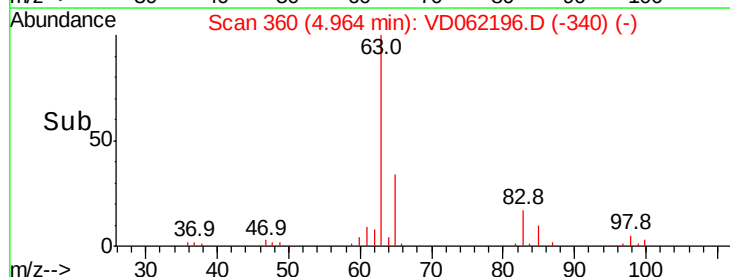
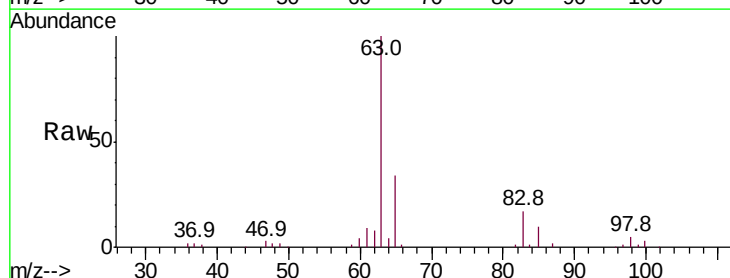
Tgt Ion: 63 Resp: 371503

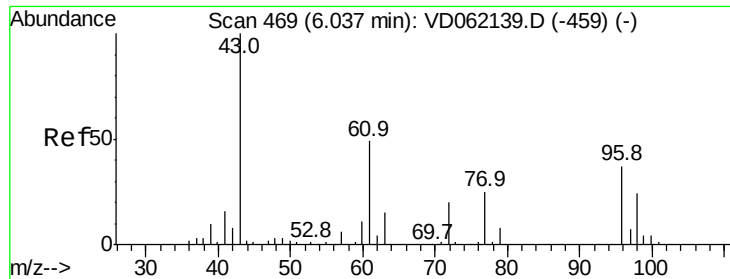
Ion Ratio Lower Upper

63 100

98 4.5 2.8 8.4

100 3.4 1.8 5.5





#25

2-Butanone

Concen: 209.073 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 43 Resp: 208520

Ion Ratio Lower Upper

43 100

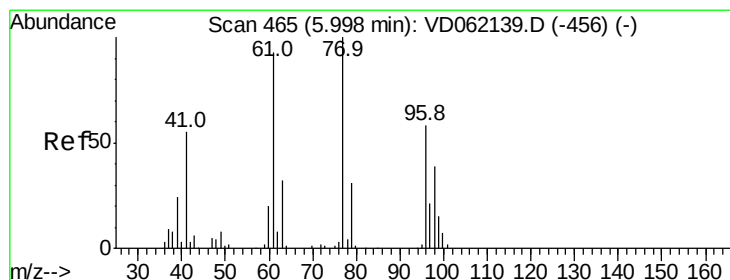
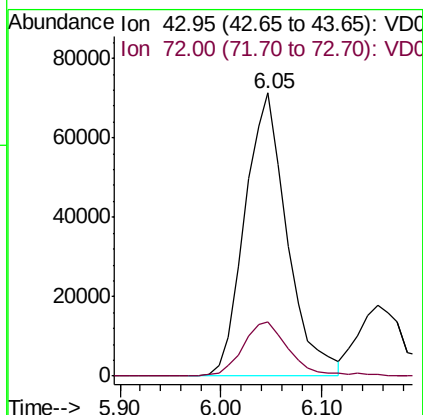
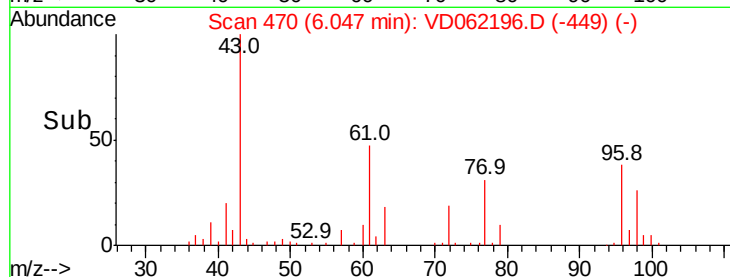
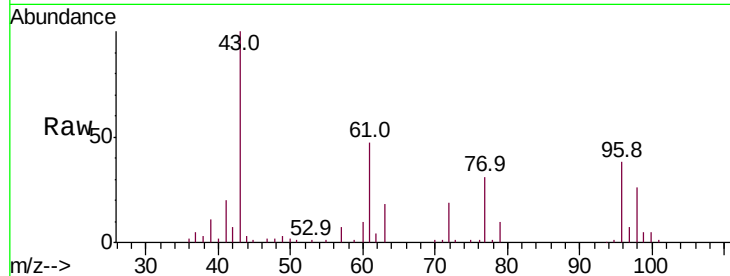
72 19.3 16.2 24.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 55.673 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD062196.D

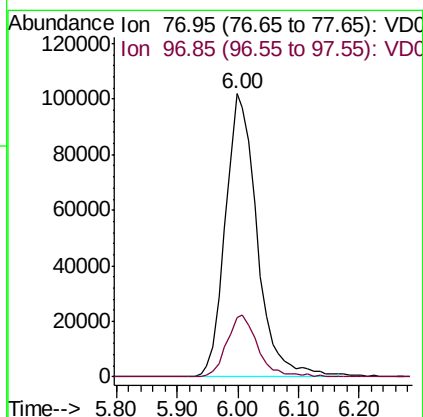
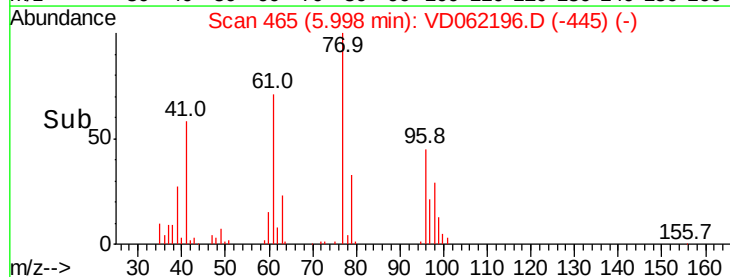
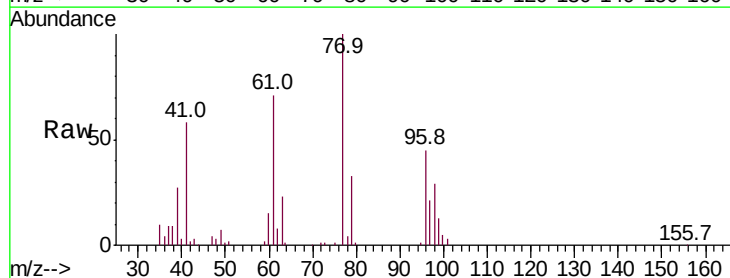
Acq: 9 May 2019 19:01

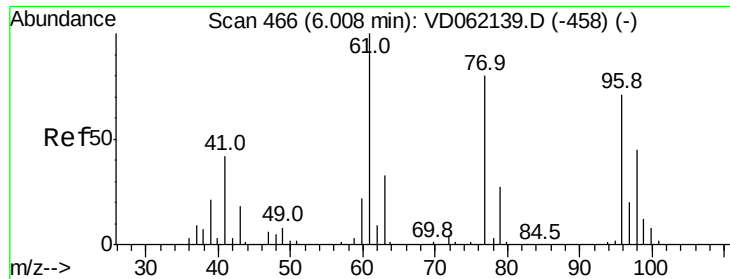
Tgt Ion: 77 Resp: 370303

Ion Ratio Lower Upper

77 100

97 21.0 11.9 35.9





#27

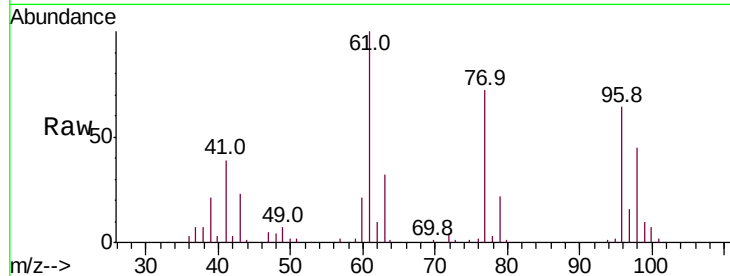
cis-1,2-Dichloroethene
Concen: 53.490 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	238345		
61	156.5	0.0	279.8	
98	70.8	0.0	136.0	

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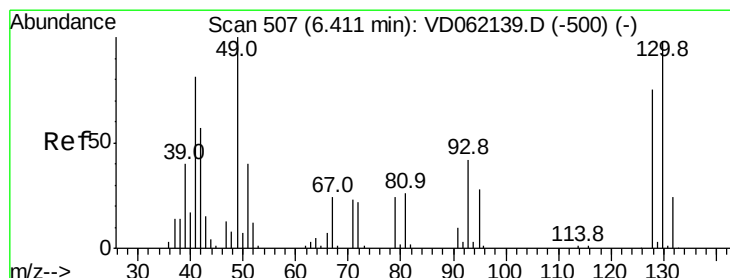
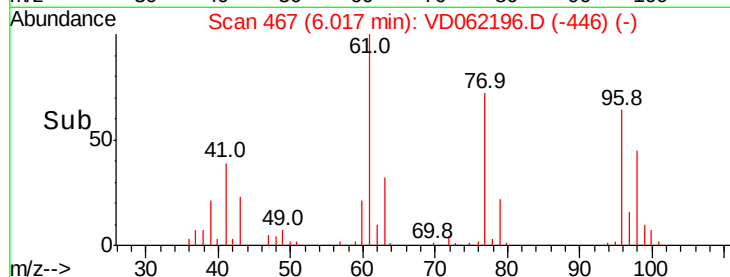
Abundance

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

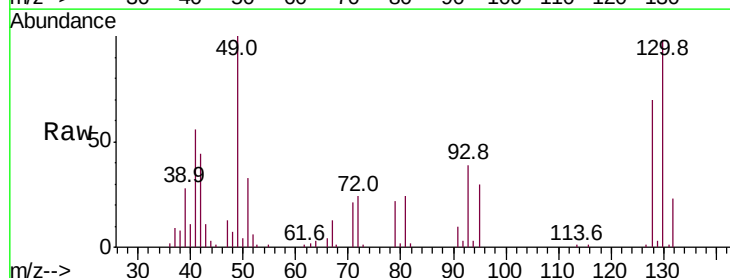
Time-->



#28

Bromochloromethane
Concen: 63.667 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167260		
129	3.3	0.0	6.6	
130	98.2	86.7	130.1	



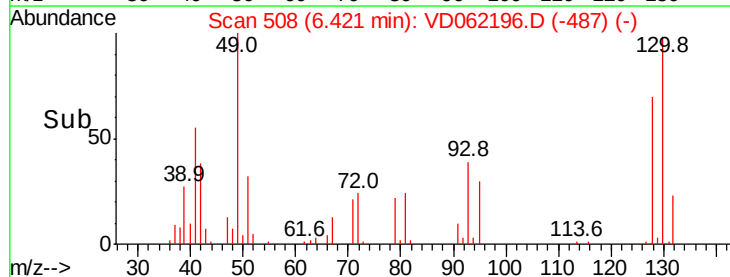
Abundance

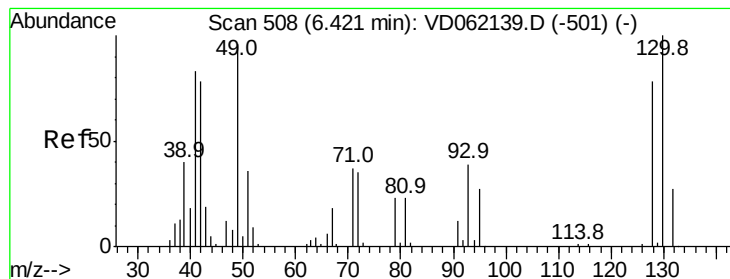
Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->





#29

Tetrahydrofuran

Concen: 218.567 ug/l

RT: 6.43 min Scan# 509

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

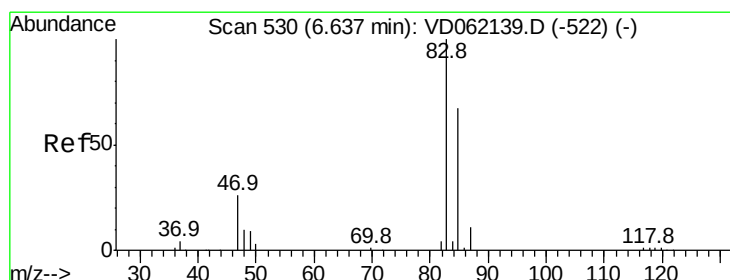
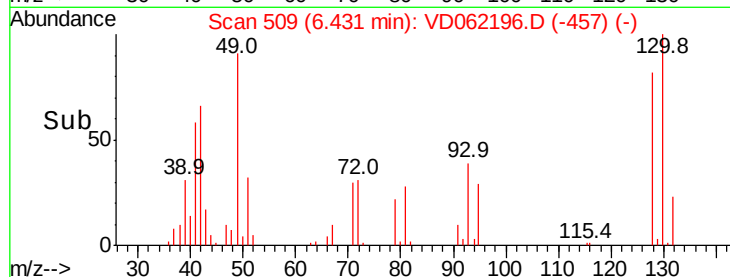
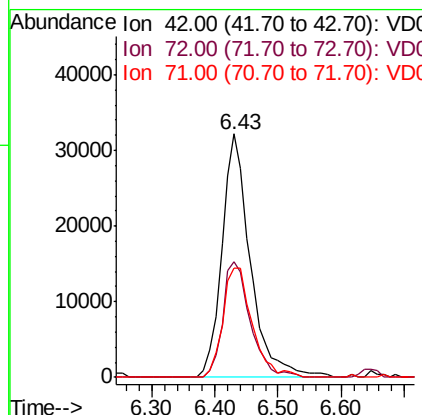
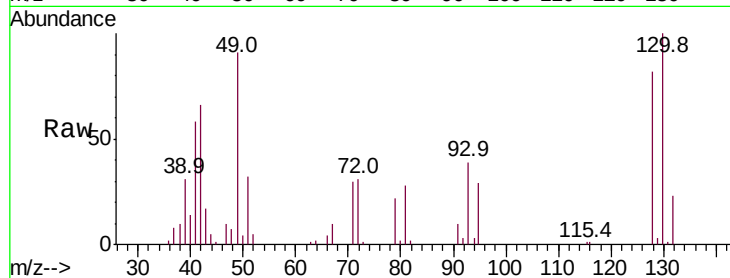
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:	42	Resp:	100440
Ion Ratio		Lower	Upper
42	100		
72	46.3	37.8	56.6
71	46.5	36.7	55.1

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#30

Chloroform

Concen: 56.824 ug/l

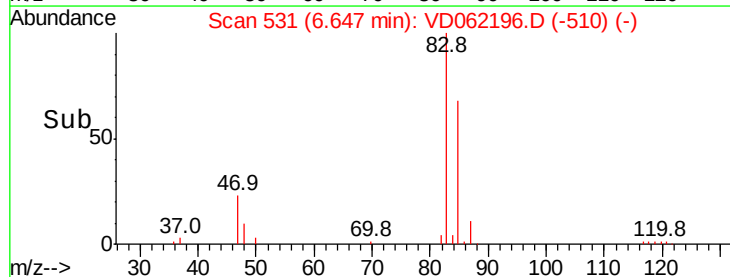
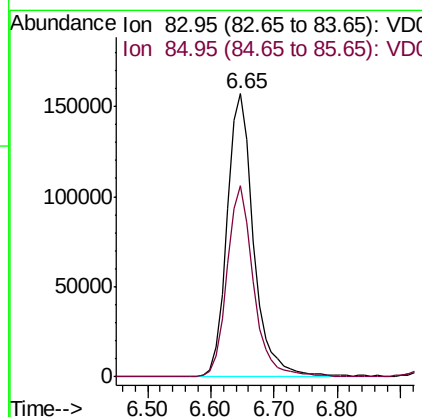
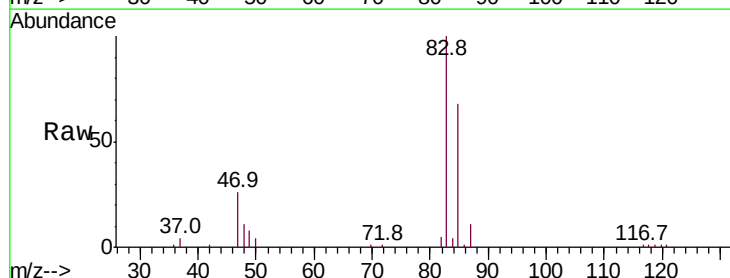
RT: 6.65 min Scan# 531

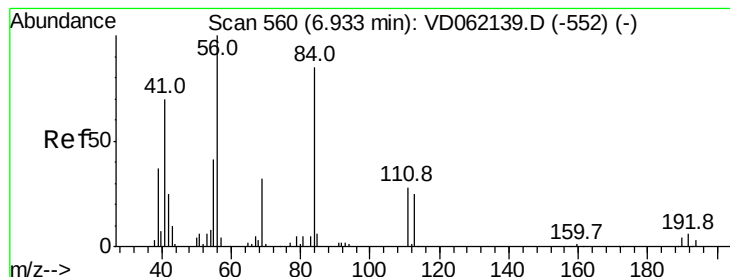
Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Tgt Ion:	83	Resp:	457284
Ion Ratio		Lower	Upper
83	100		
85	67.7	51.7	77.5





#31

Cyclohexane

Concen: 44.689 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

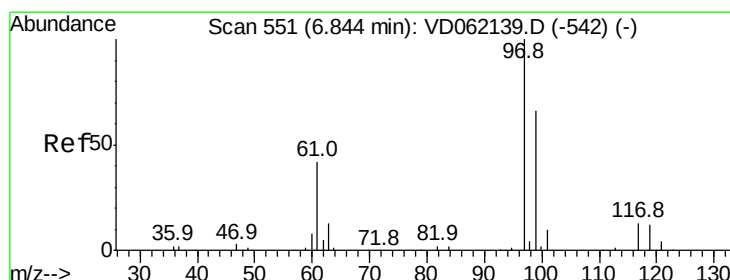
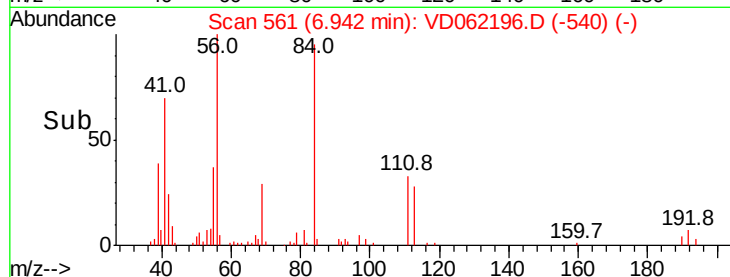
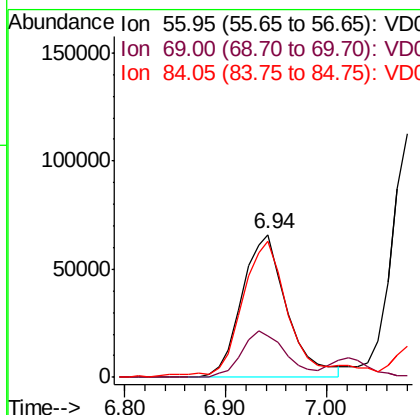
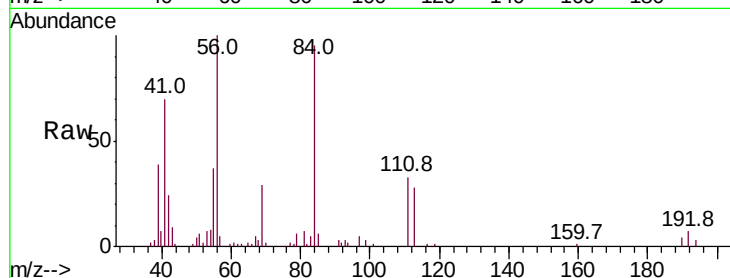
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:	56	Resp:	204440
Ion	Ratio	Lower	Upper
56	100		
69	29.3	25.8	38.6
84	95.3	72.2	108.4

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#32

1,1,1-Trichloroethane

Concen: 54.984 ug/l

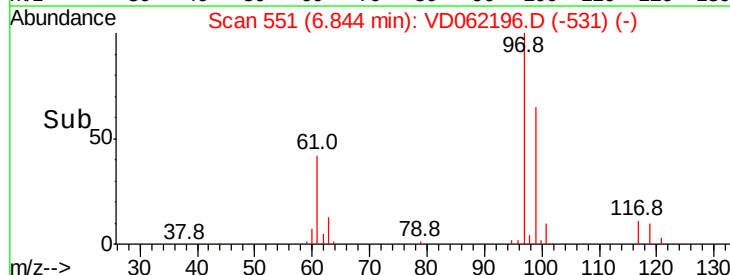
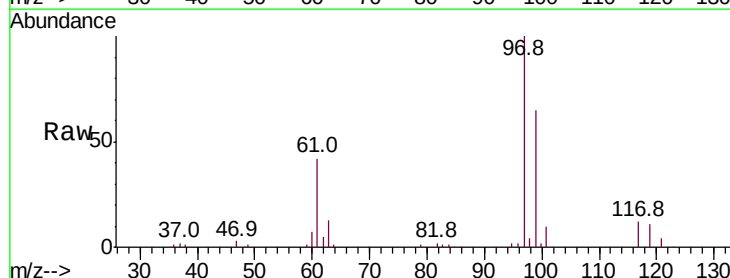
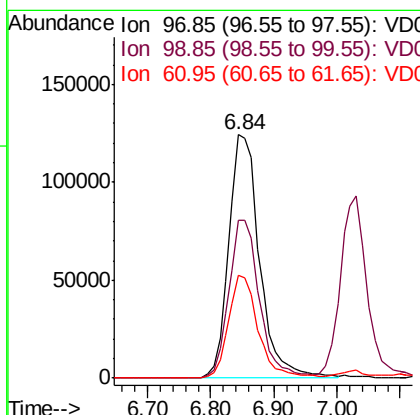
RT: 6.84 min Scan# 551

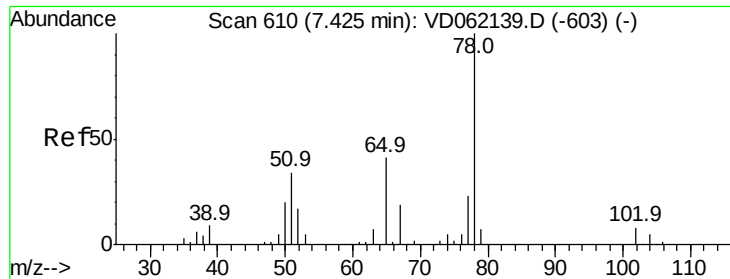
Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Tgt Ion:	97	Resp:	418224
Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.2	78.2
61	42.2	32.4	48.6





#33

1,2-Dichloroethane-d4

Concen: 60.192 ug/l

RT: 7.43 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 65 Resp: 262444

Ion Ratio Lower Upper

65 100

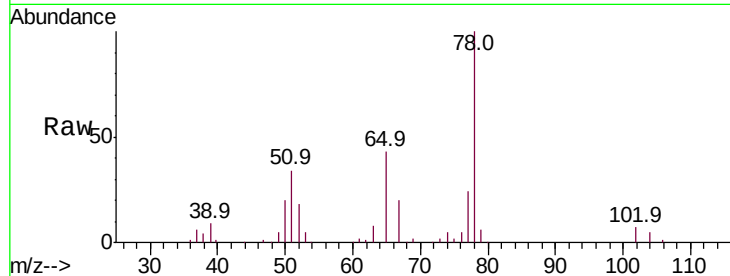
67 45.3 0.0 98.0

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

120000

100000

80000

60000

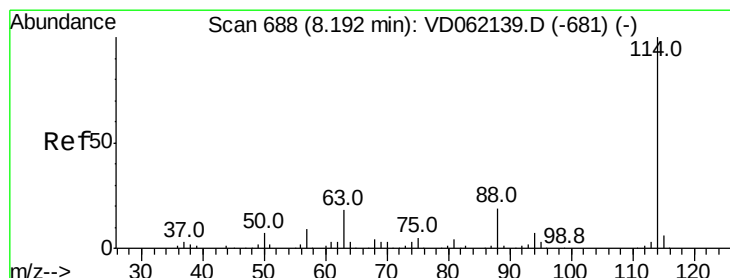
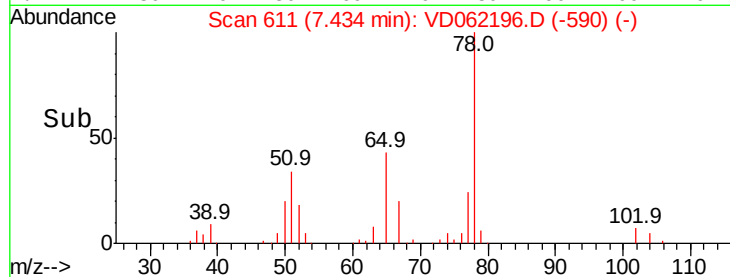
40000

20000

0

7.30 7.40 7.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

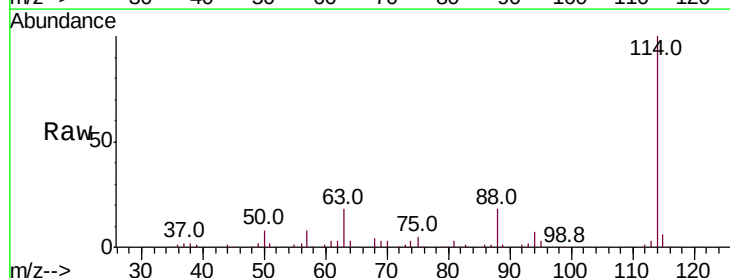
Tgt Ion:114 Resp: 641751

Ion Ratio Lower Upper

114 100

63 17.7 0.0 32.4

88 18.5 0.0 33.6



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

300000

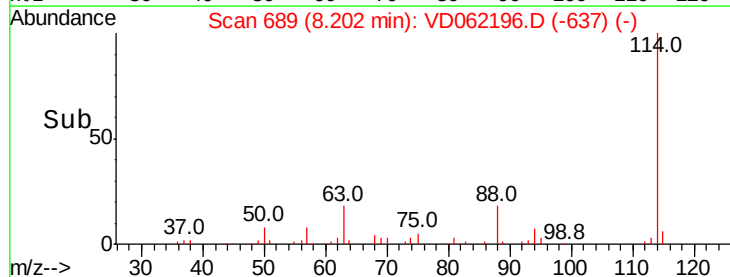
200000

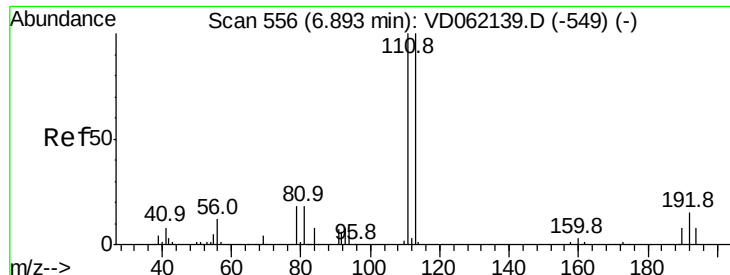
100000

0

8.10 8.20 8.30 8.40

Time-->





#35

Dibromofluoromethane

Concen: 62.188 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

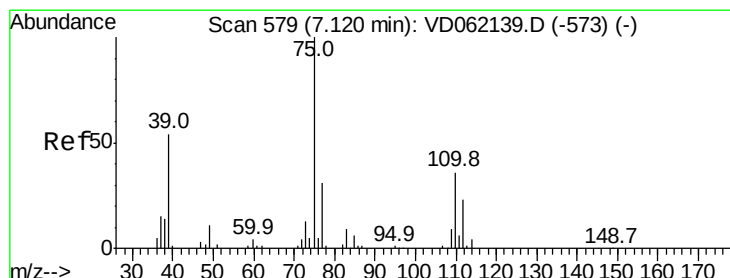
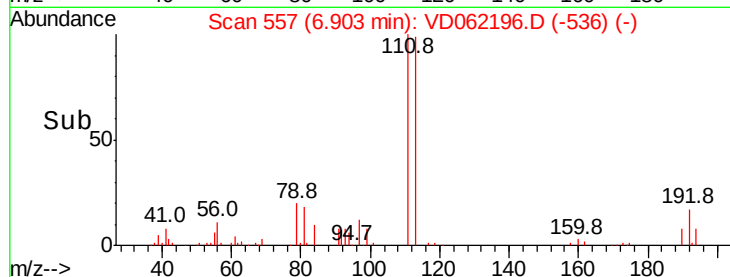
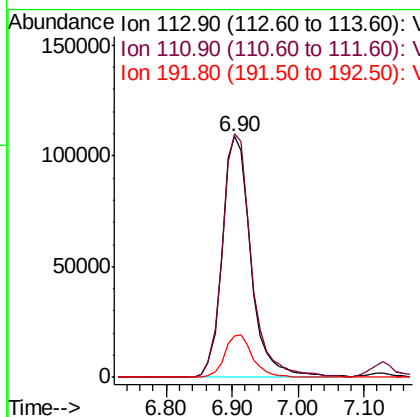
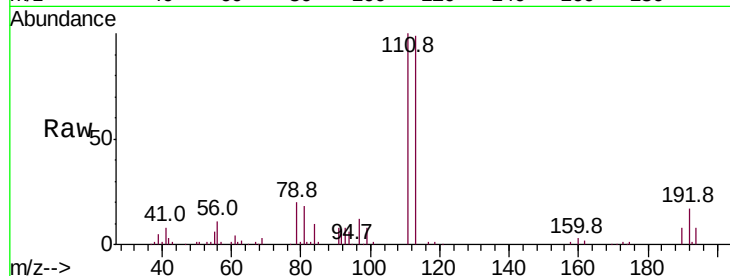
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.1	78.5	117.7	
192	17.0	13.0	19.4	

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#36

1,1-Dichloropropene

Concen: 49.879 ug/l

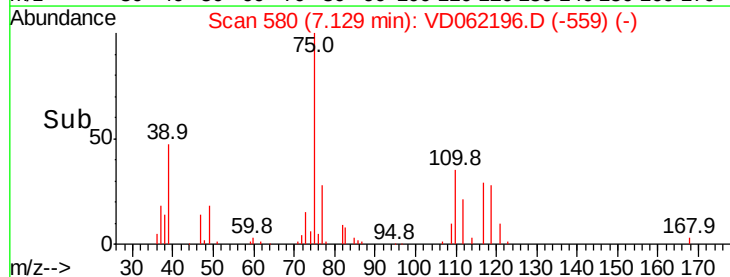
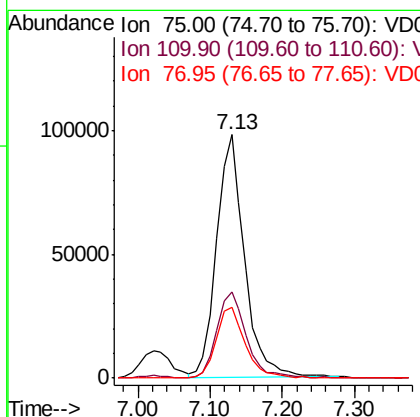
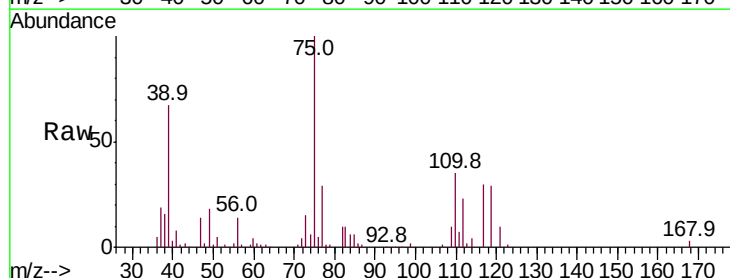
RT: 7.13 min Scan# 580

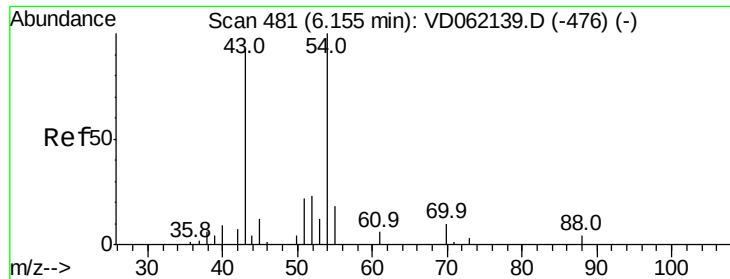
Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.5	19.1	57.1	
77	29.1	25.6	38.4	





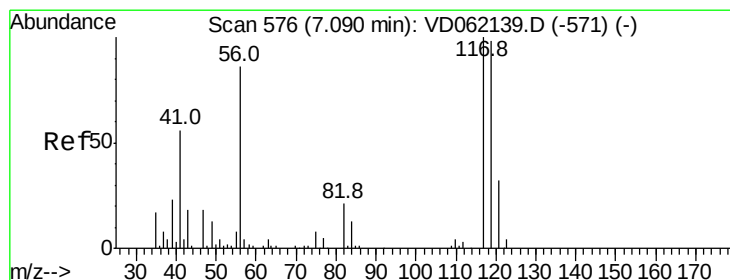
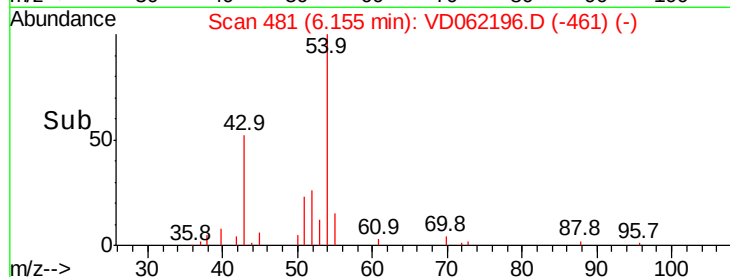
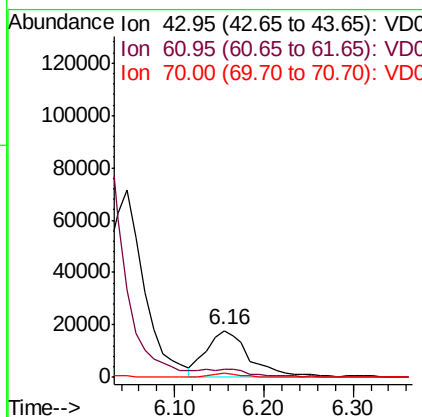
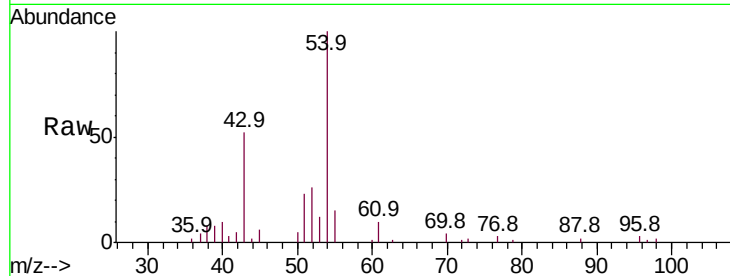
#37
Ethyl Acetate
Concen: 27.244 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.7	22.1
70	8.0	7.8	11.6

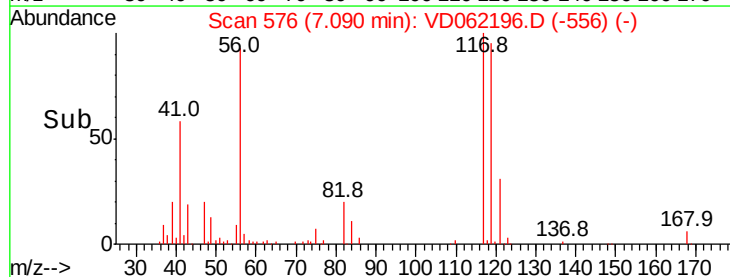
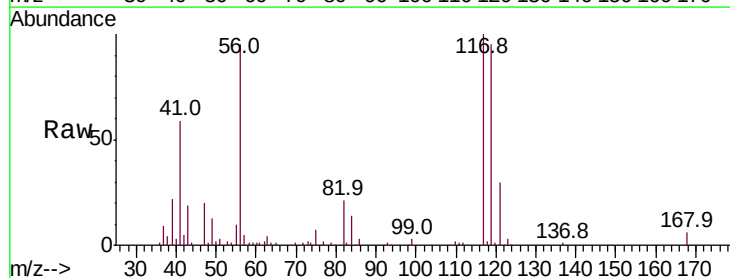
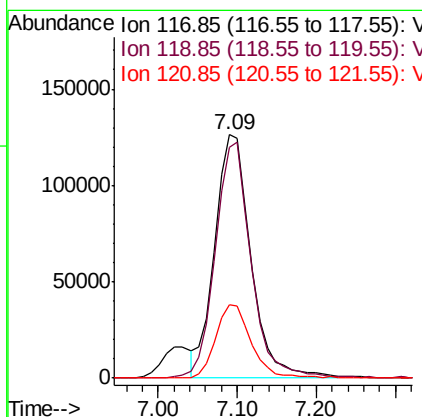
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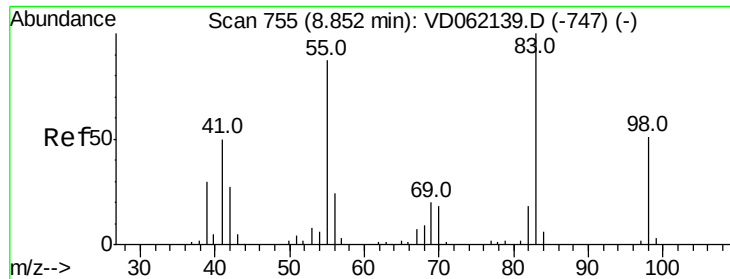
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#38
Carbon Tetrachloride
Concen: 56.028 ug/l m
RT: 7.09 min Scan# 576
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.8	113.8
121	30.2	25.9	38.9





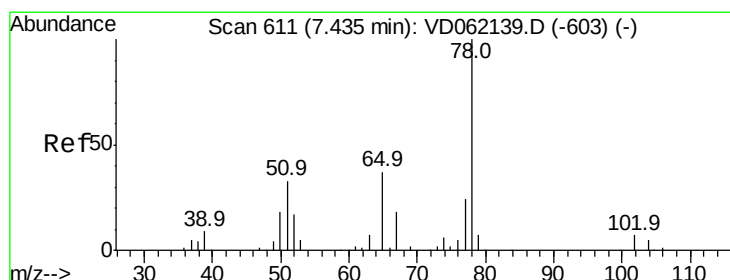
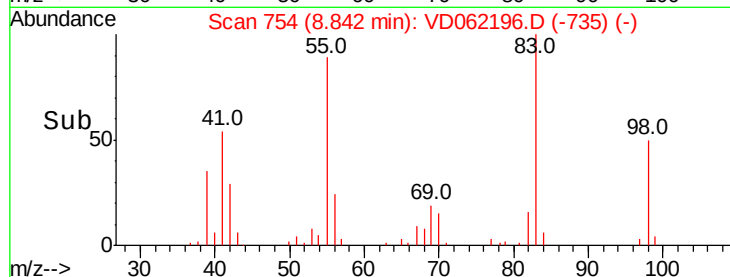
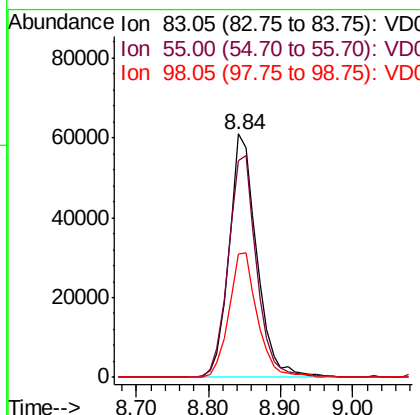
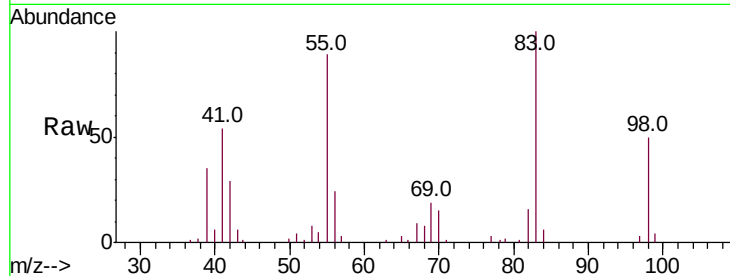
#39
Methylvlcyclohexane
Concen: 32.254 ug/l
RT: 8.84 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.8	68.2	102.4
98	50.4	38.2	57.4

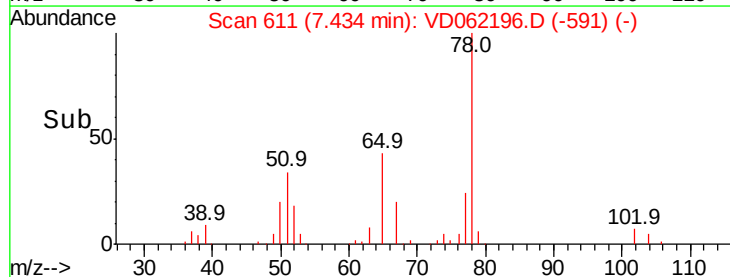
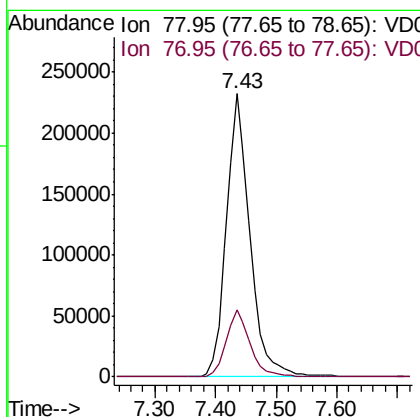
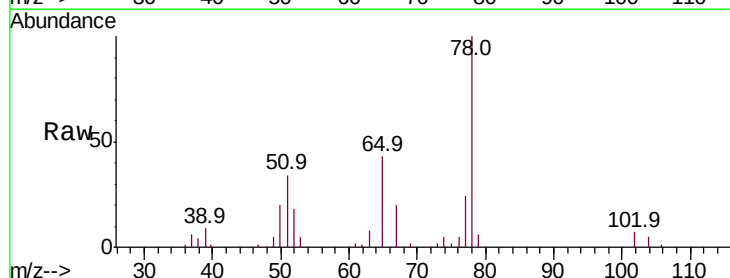
Manual Integrations
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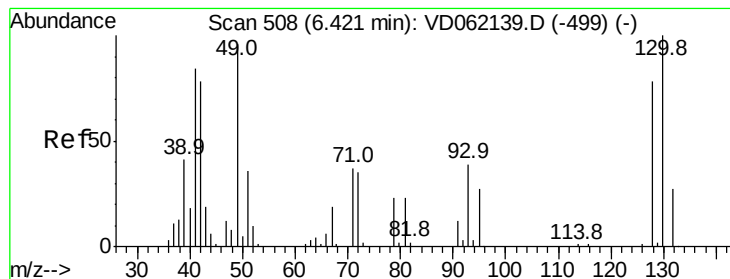
MMDadoda
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#40
Benzene
Concen: 52.686 ug/l
RT: 7.43 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.7	29.5





#41

Methacrylonitrile

Concen: 45.992 ug/l

RT: 6.42 min Scan# 508

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 41 Resp: 125417

Ion Ratio Lower Upper

41 100

39 50.9 34.1 51.1

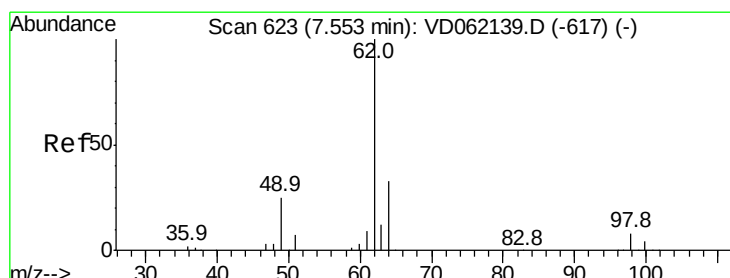
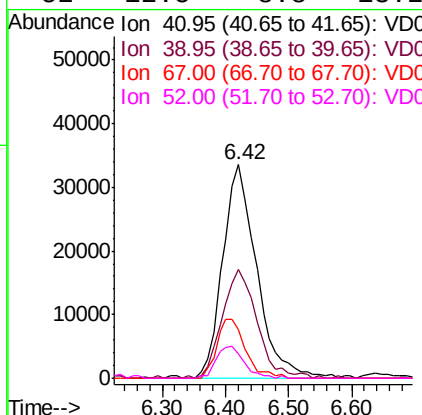
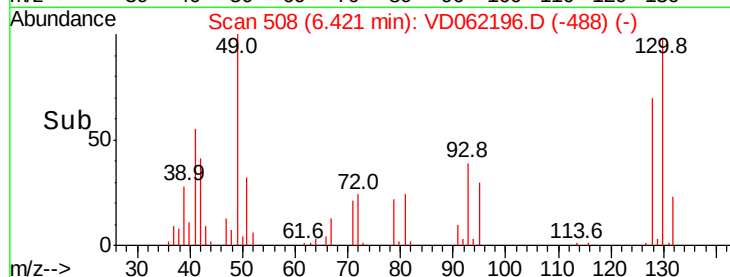
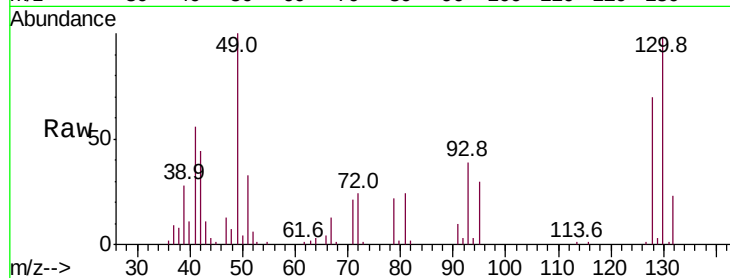
67 23.0 23.8 35.6#

52 12.5 8.8 13.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 57.208 ug/l

RT: 7.56 min Scan# 624

Delta R.T. 0.01 min

Lab File: VD062196.D

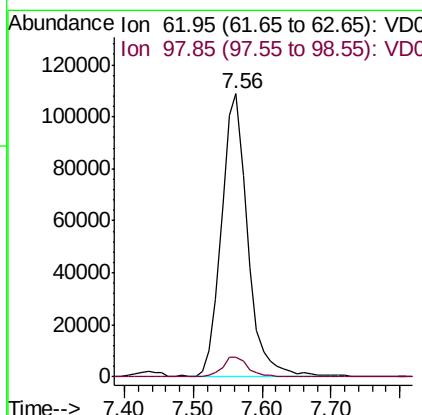
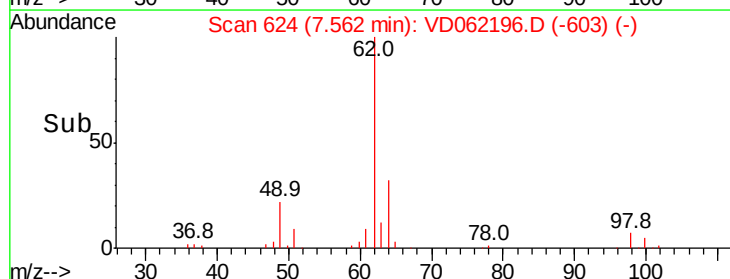
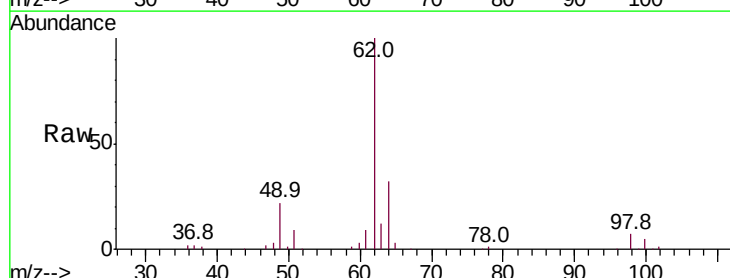
Acq: 9 May 2019 19:01

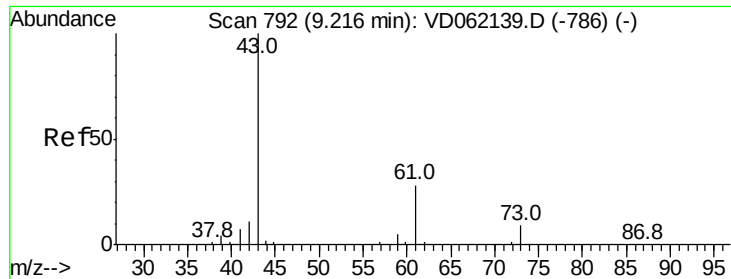
Tgt Ion: 62 Resp: 287989

Ion Ratio Lower Upper

62 100

98 6.8 0.0 17.8





#43

Isopropyl Acetate

Concen: 20.440 ug/l

RT: 9.22 min Scan# 792

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

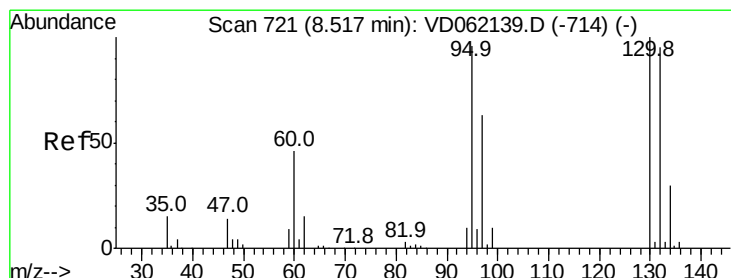
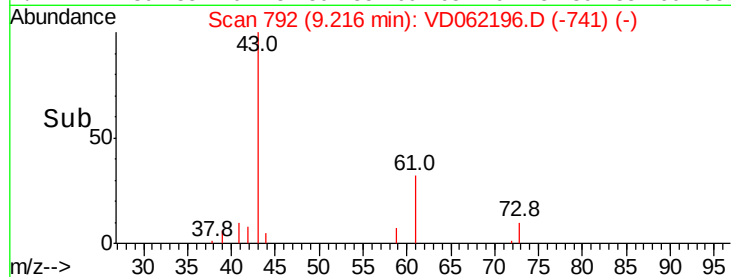
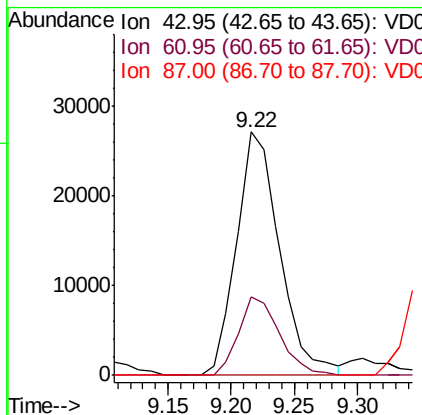
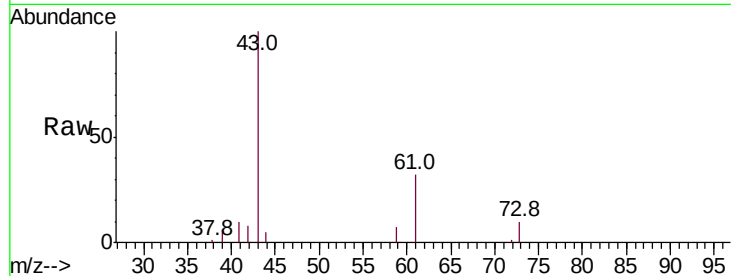
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:	43	Resp:	64685
Ion	Ratio	Lower	Upper
43	100		
61	32.2	25.1	37.7
87	0.0	0.0	0.0

Manual Integrations
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5/10/2019 11:54:03 AM



#44

Trichloroethene

Concen: 51.044 ug/l

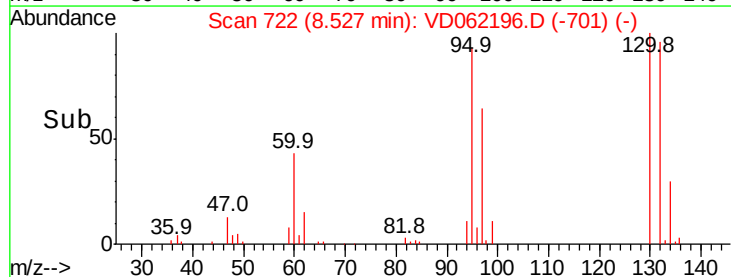
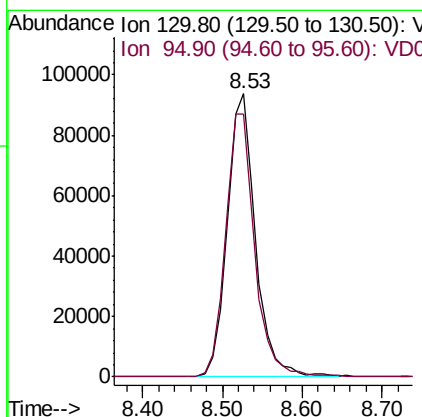
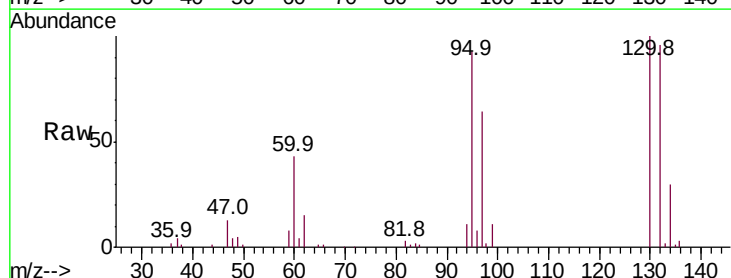
RT: 8.53 min Scan# 722

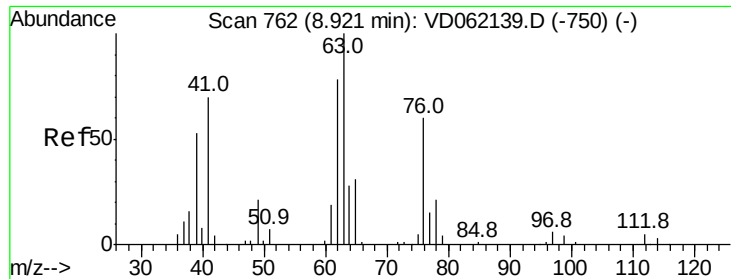
Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Tgt Ion:	130	Resp:	231103
Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	174.0





#45

1,2-Dichloropropane

Concen: 52.458 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 63 Resp: 154172

Ion Ratio Lower Upper

63 100

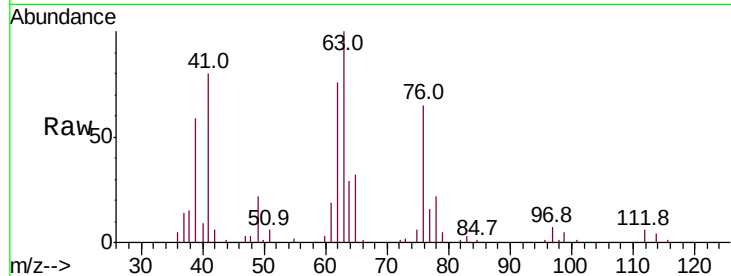
65 32.3 23.8 35.6

Manual Integrations

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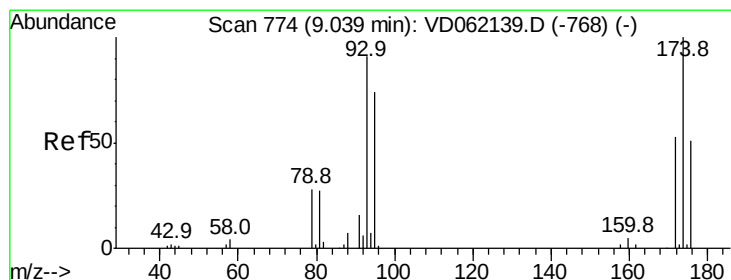
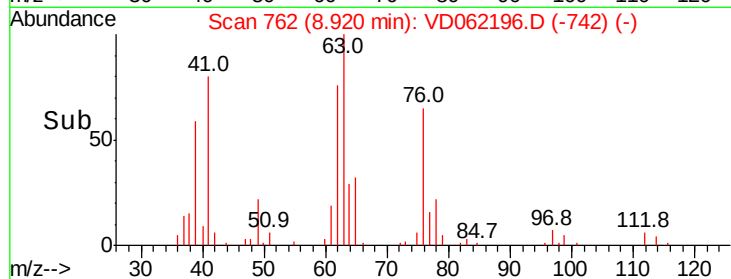
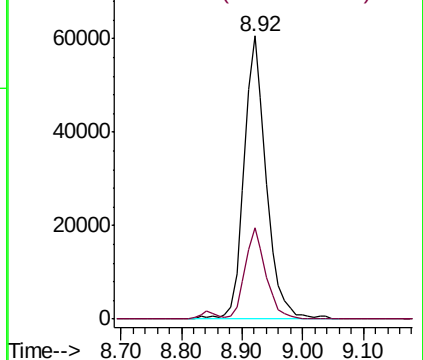
MMDadoda

5/10/2019 11:54:03 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 54.208 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

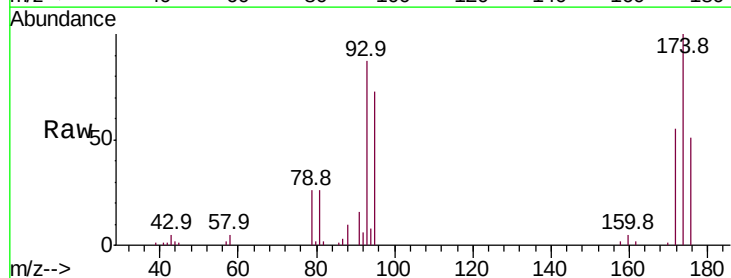
Tgt Ion: 93 Resp: 129551

Ion Ratio Lower Upper

93 100

95 84.5 64.8 97.2

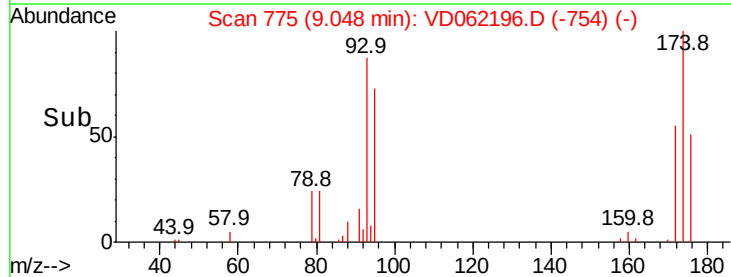
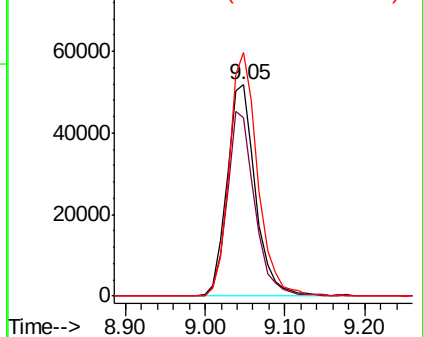
174 115.3 79.3 118.9

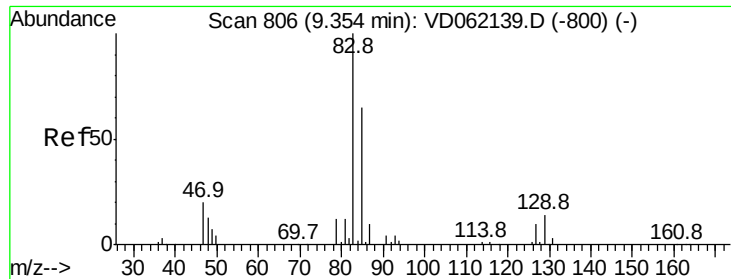


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 57.077 ug/l

RT: 9.35 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

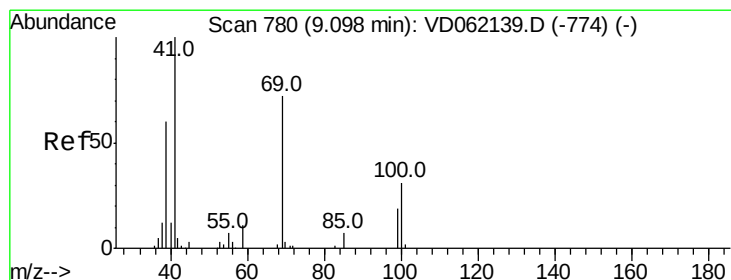
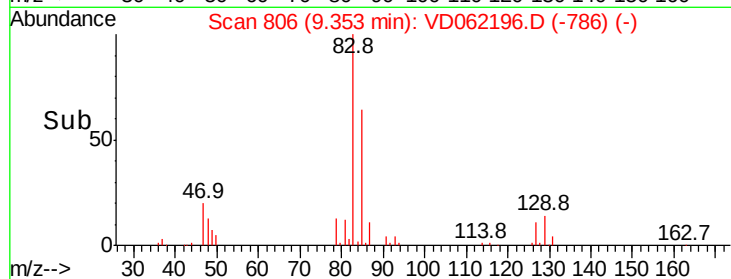
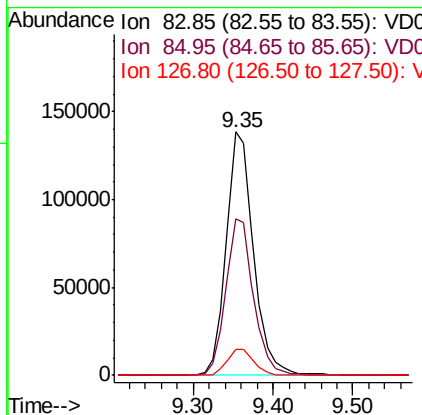
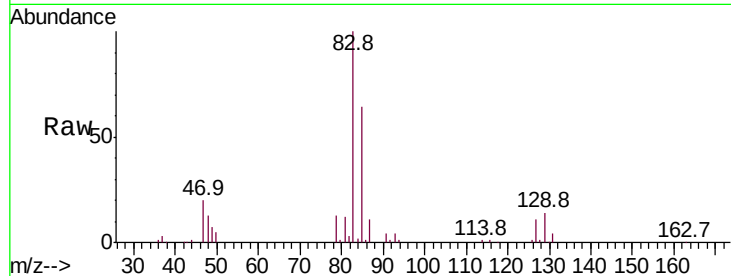
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:	83	Resp:	333661
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.9	76.3
127	10.7	8.1	12.1

Manual Integrations
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5/10/2019 11:54:03 AM



#48

Methyl methacrylate

Concen: 58.607 ug/l

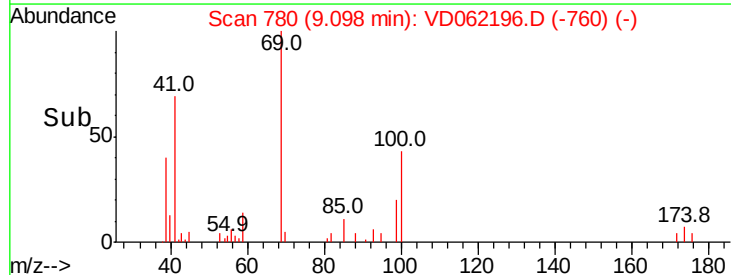
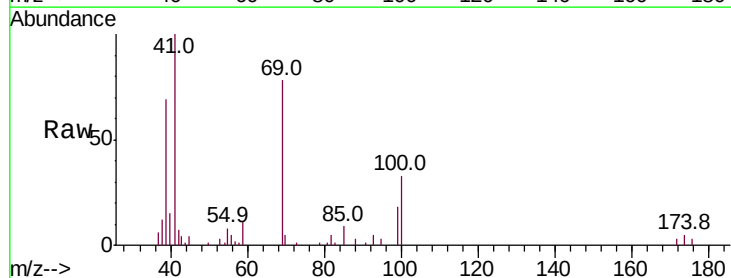
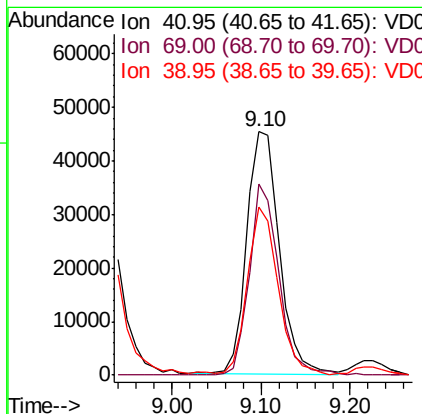
RT: 9.10 min Scan# 780

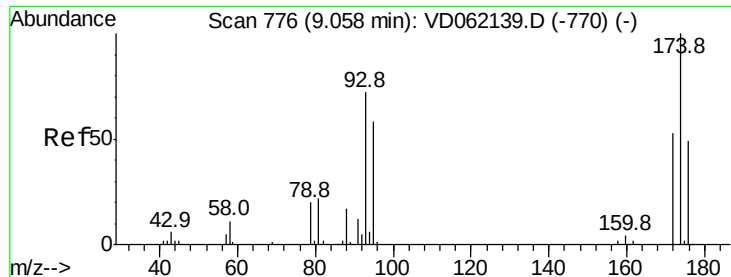
Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Tgt Ion:	41	Resp:	114244
Ion	Ratio	Lower	Upper
41	100		
69	78.4	64.2	96.2
39	69.3	46.8	70.2





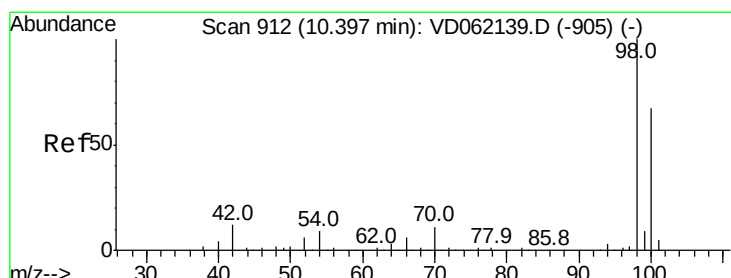
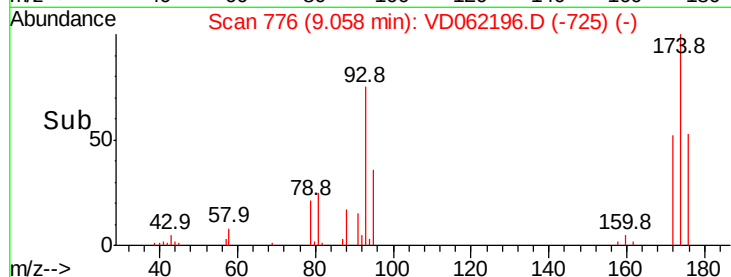
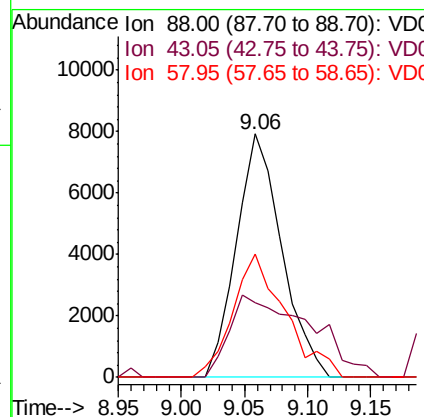
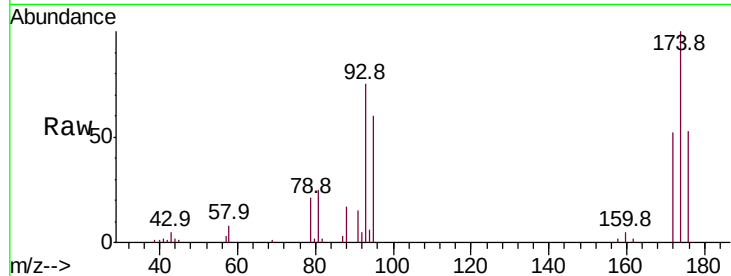
#49
1,4-Dioxane
Concen: 939.705 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	23.4	35.0
58	50.7	44.0	66.0

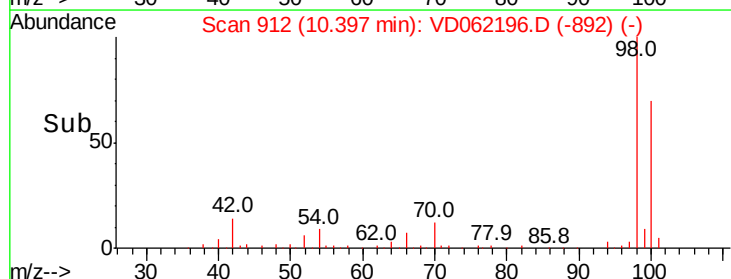
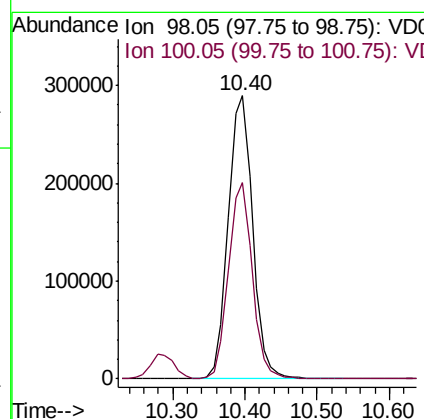
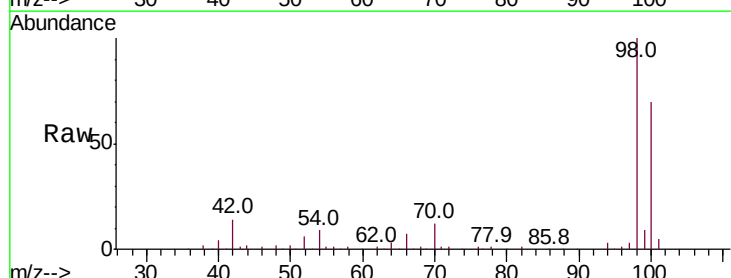
Manual Integrations
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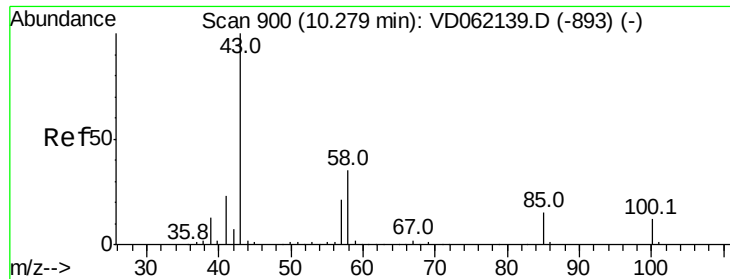
MMDadoda
5/10/2019 11:54:03 AM



#50
Toluene-d8
Concen: 53.066 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.5	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 229.582 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 43 Resp: 467034

Ion Ratio Lower Upper

43 100

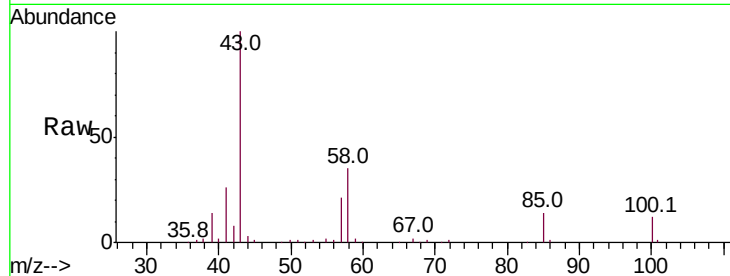
58 35.0 30.4 45.6

Manual Integrations

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MMDadoda

5/10/2019 11:54:03 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

200000

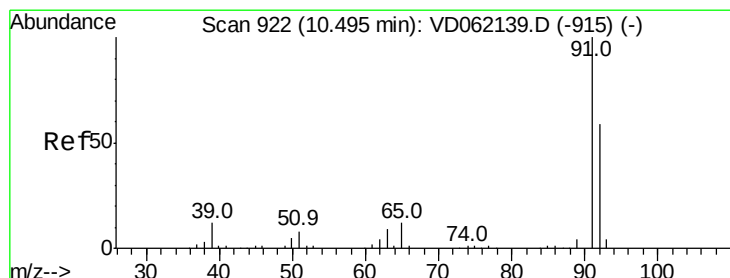
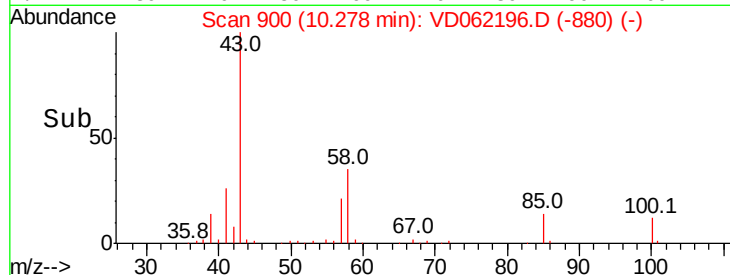
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 51.122 ug/l

RT: 10.49 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD062196.D

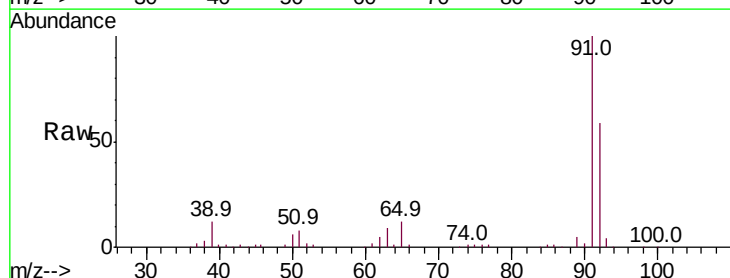
Acq: 9 May 2019 19:01

Tgt Ion: 92 Resp: 395206

Ion Ratio Lower Upper

92 100

91 169.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.49

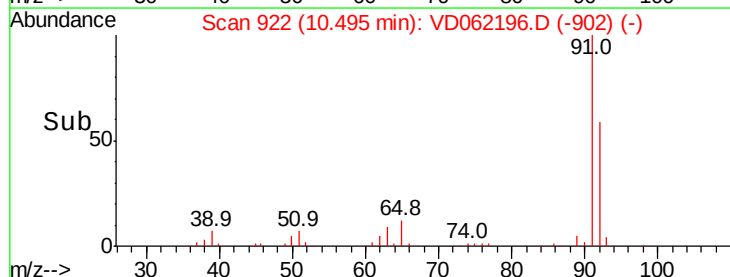
300000

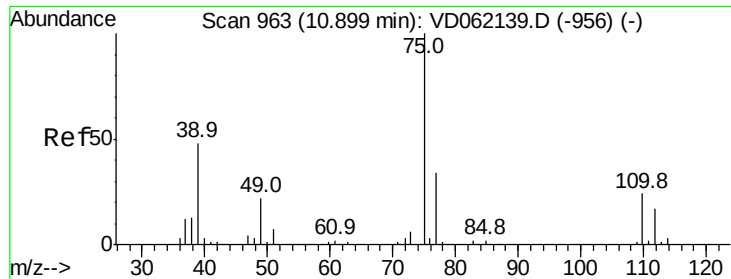
200000

100000

0

Time-->





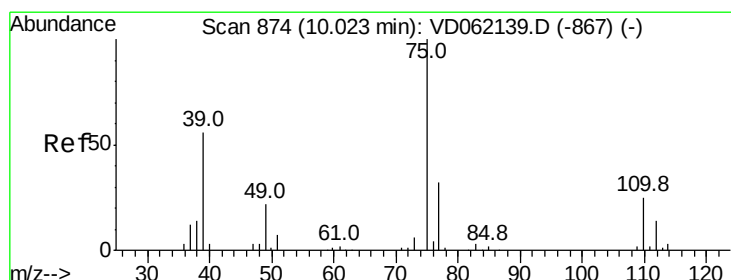
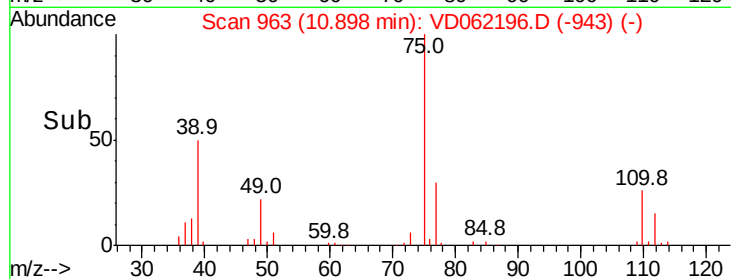
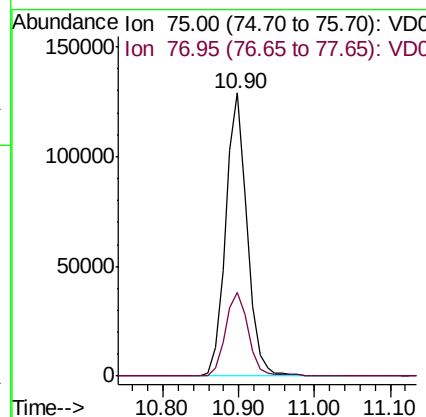
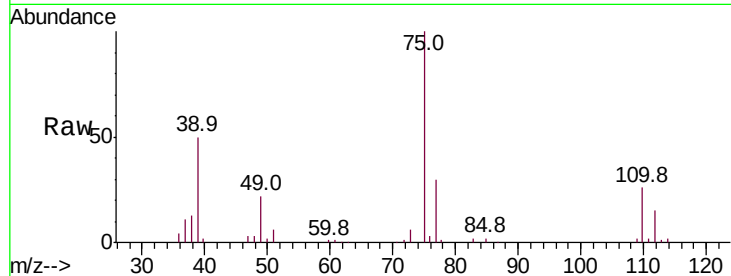
#53
 t-1,3-Dichloropropene
 Concen: 50.128 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion: 75 Resp: 253265
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.8 38.8

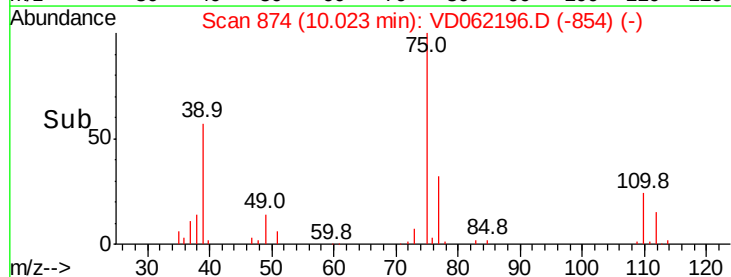
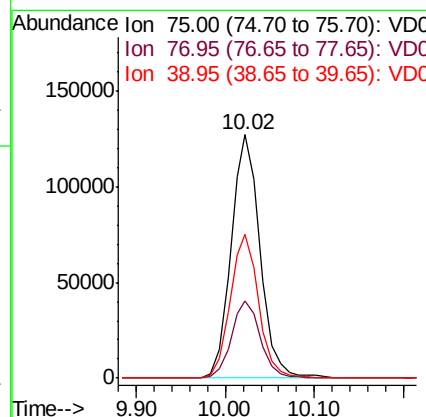
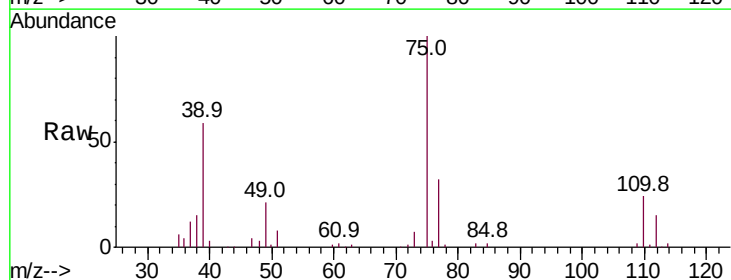
Manual Integrations
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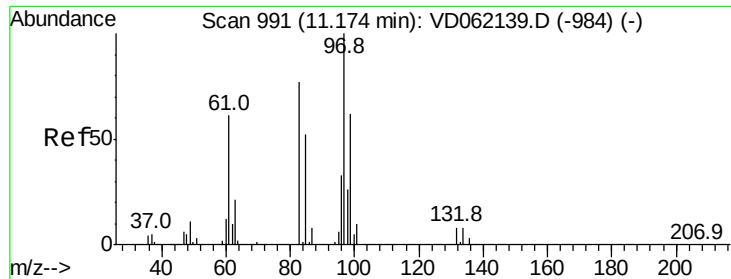
MMDadoda
 5/10/2019 11:54:03 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.439 ug/l
 RT: 10.02 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion: 75 Resp: 289032
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.5 38.3
 39 58.8 39.4 59.2





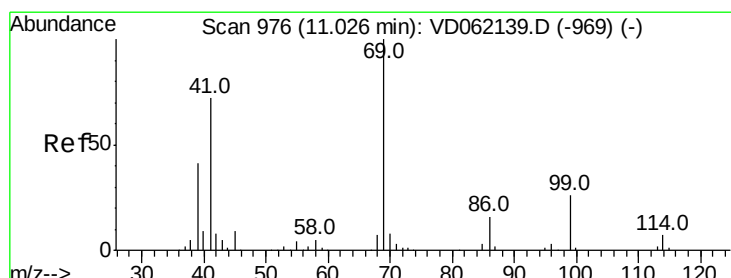
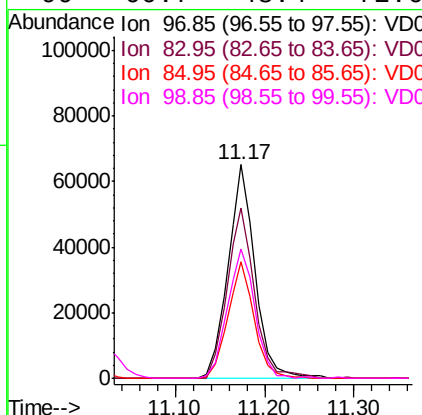
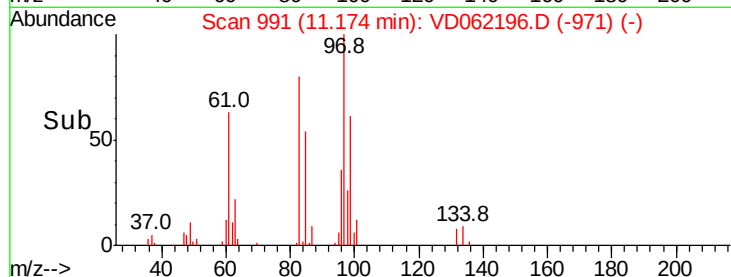
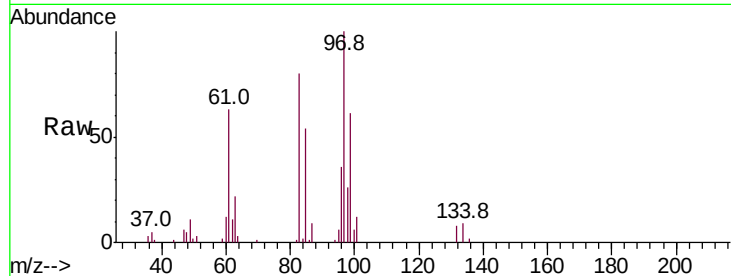
#55
 1,1,2-Trichloroethane
 Concen: 50.270 ug/l
 RT: 11.17 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion	97	Resp	137502
Ion	Ratio	Lower	Upper
97	100		
83	79.6	65.7	98.5
85	54.3	45.6	68.4
99	60.7	48.4	72.6

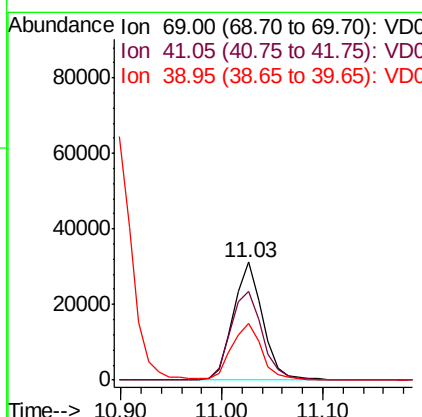
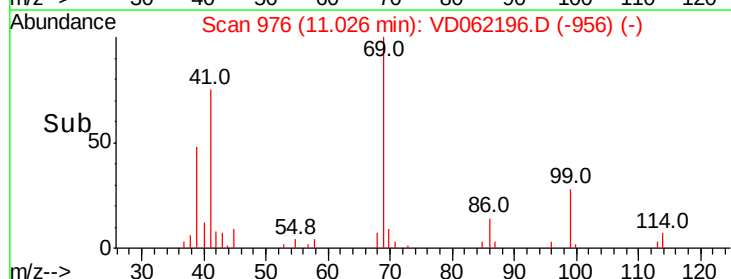
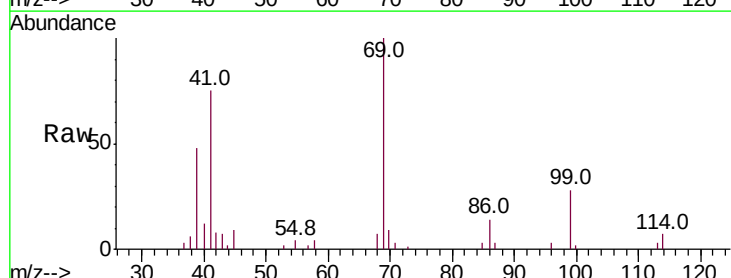
Manual Integrations
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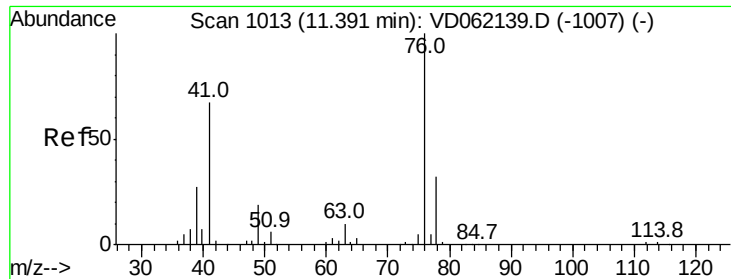
MMDadoda
 5/10/2019 11:54:03 AM



#56
 Ethyl methacrylate
 Concen: 22.241 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion	69	Resp	63216
Ion	Ratio	Lower	Upper
69	100		
41	74.9	56.3	84.5
39	48.4	29.4	44.2#





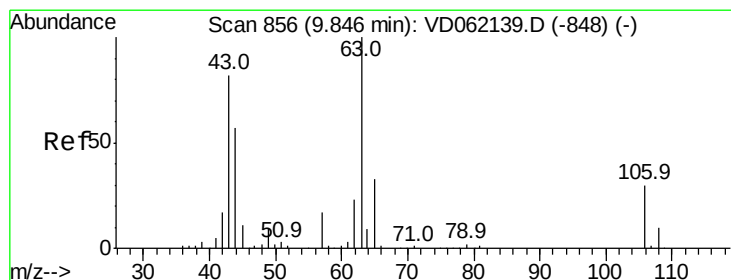
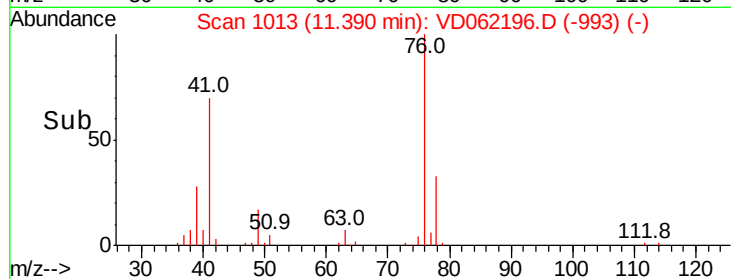
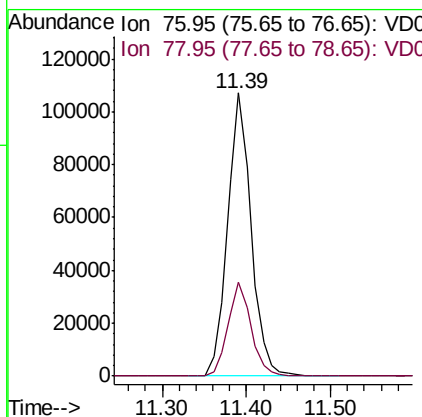
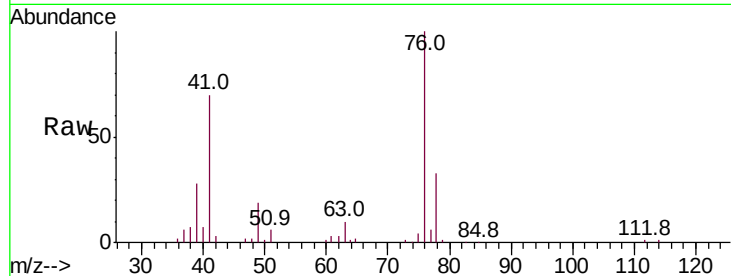
#57
 1,3-Dichloropropane
 Concen: 50.118 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion: 76 Resp: 207107
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.2

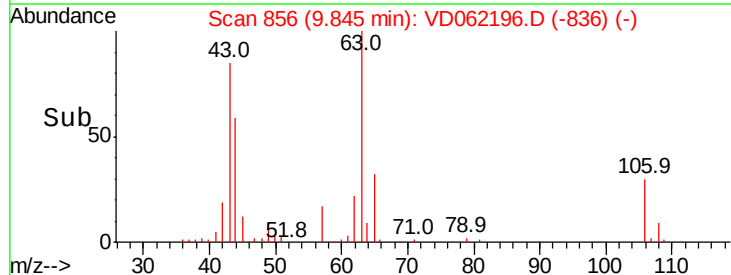
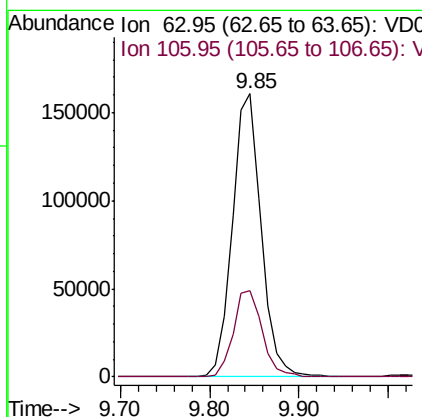
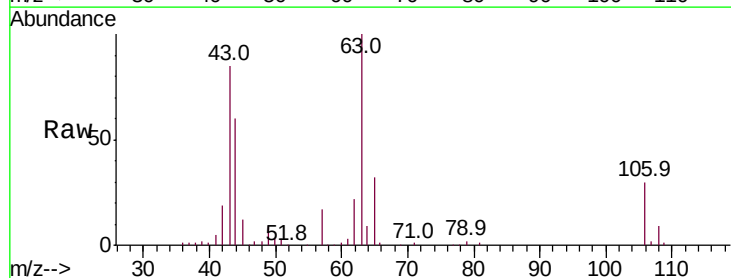
Manual Integrations
 APPROVED

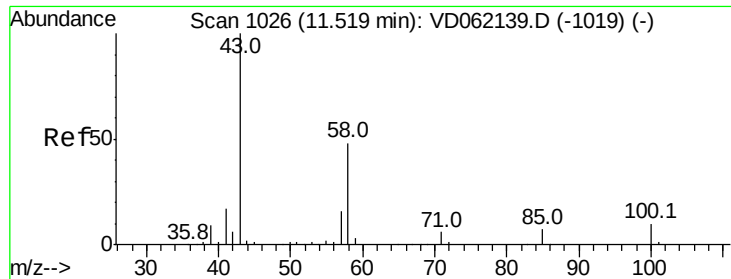
MMDadoda
 5/10/2019 11:54:03 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.624 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion: 63 Resp: 362727
 Ion Ratio Lower Upper
 63 100
 106 30.3 22.6 34.0





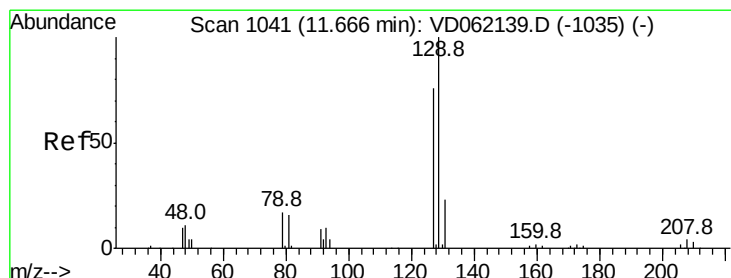
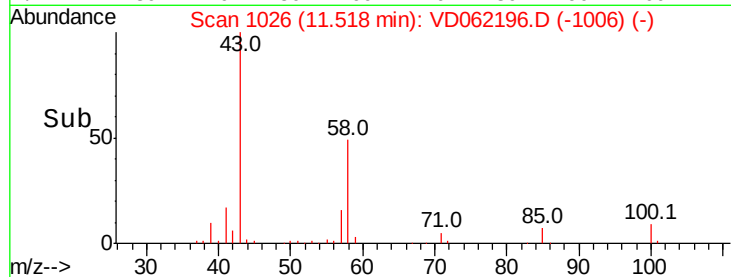
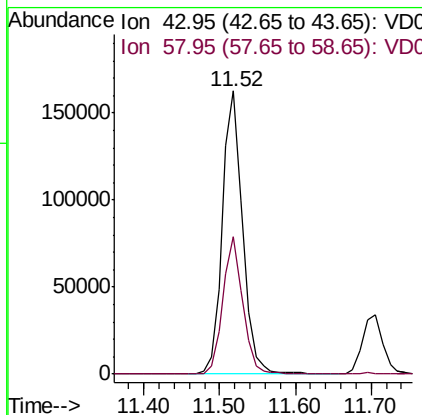
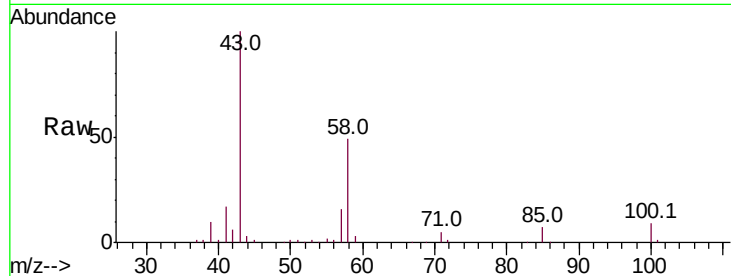
#59
2-Hexanone
Concen: 201.367 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion: 43 Resp: 301918
Ion Ratio Lower Upper
43 100
58 48.8 25.4 76.4

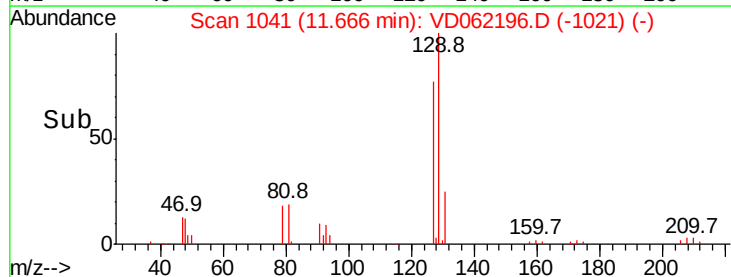
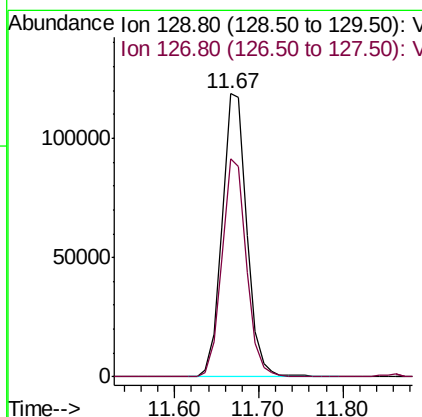
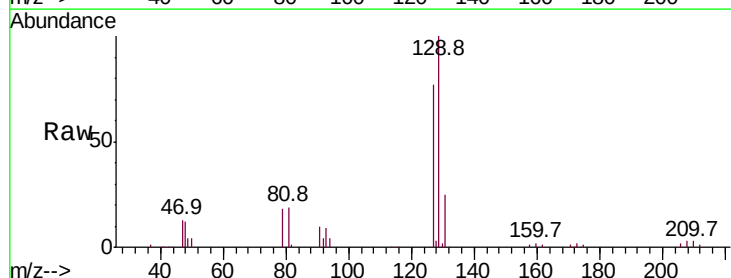
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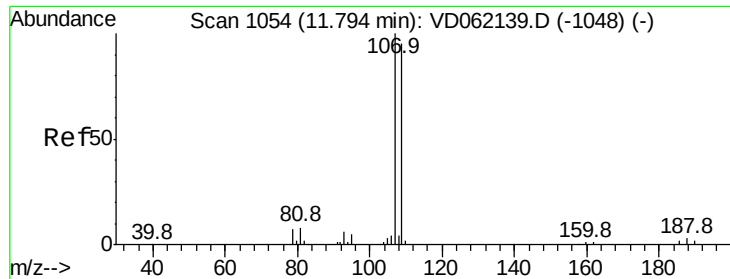
MMDadoda
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#60
Dibromochloromethane
Concen: 51.017 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion:129 Resp: 241166
Ion Ratio Lower Upper
129 100
127 77.1 38.0 113.9





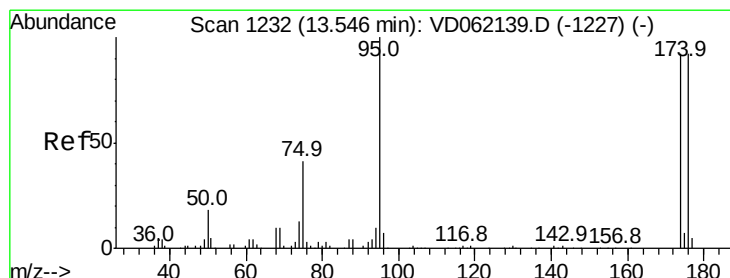
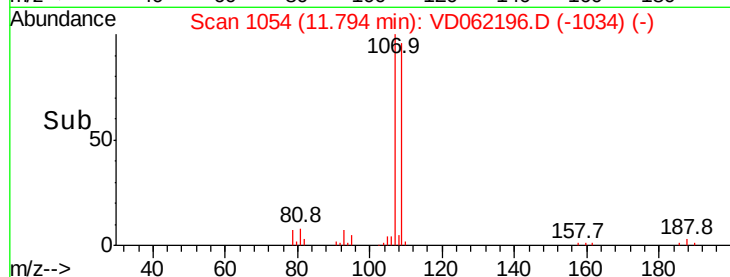
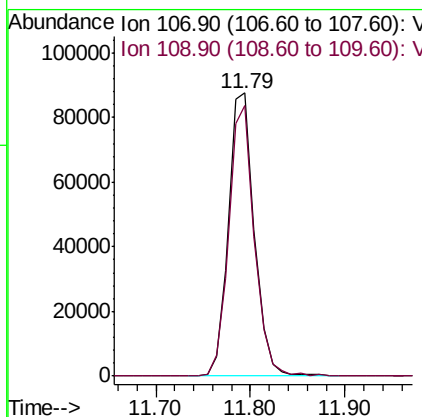
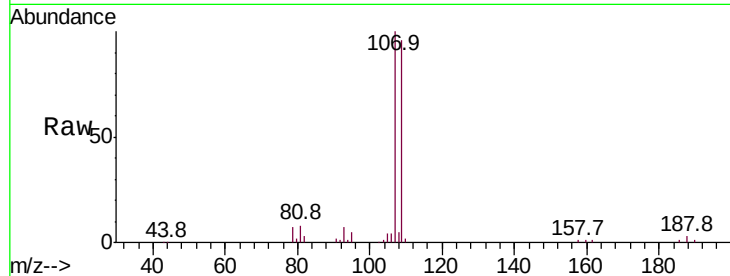
#61
 1,2-Dibromoethane
 Concen: 49.681 ug/l
 RT: 11.79 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	78.3	117.5

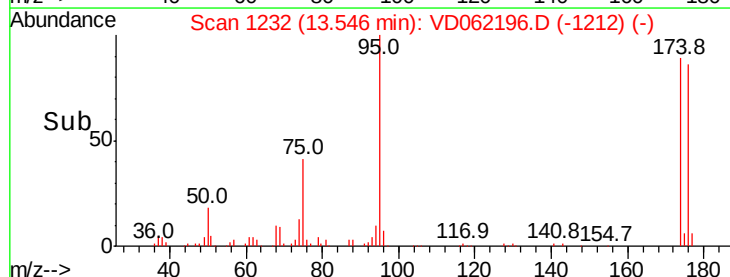
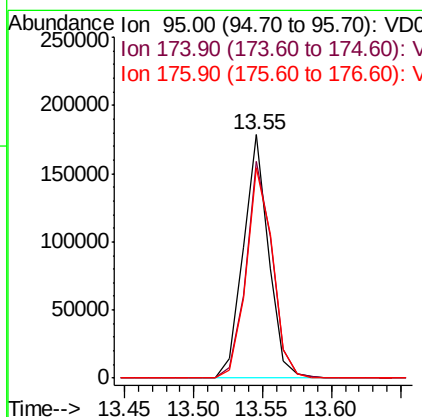
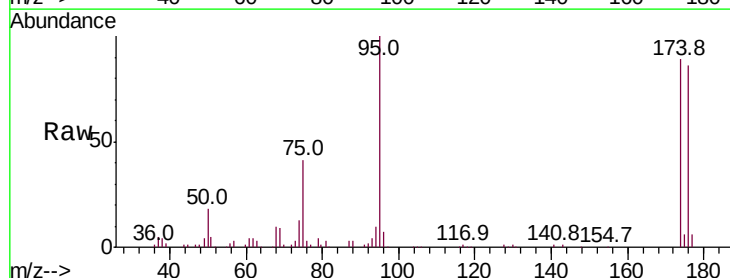
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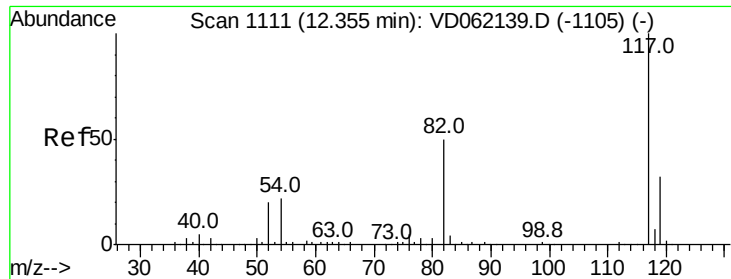
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 44.258 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	181.8
176	86.2	0.0	174.4





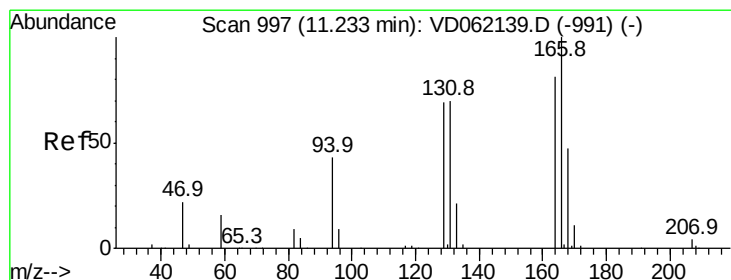
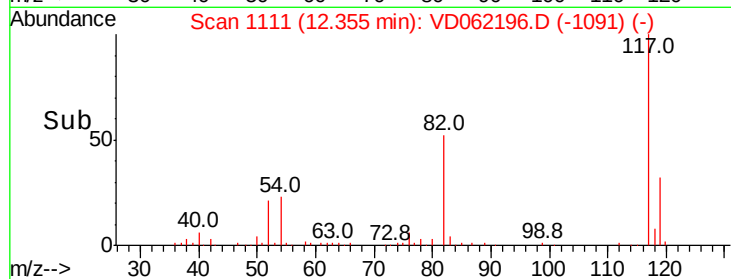
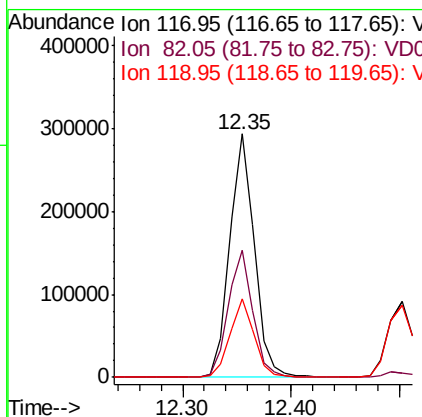
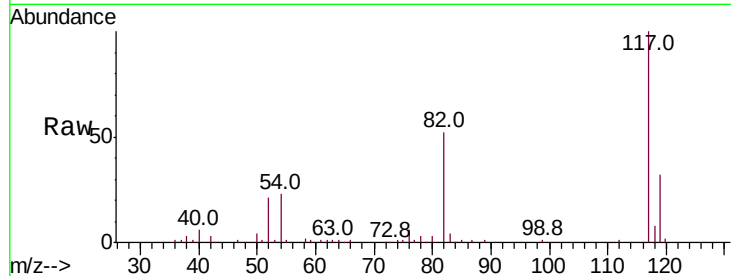
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	467720		
82	52.1	36.2	54.2	
119	32.2	26.2	39.4	

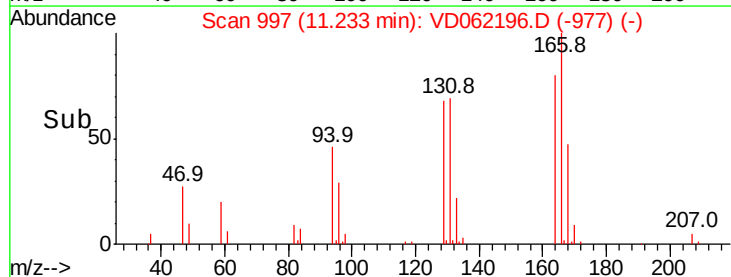
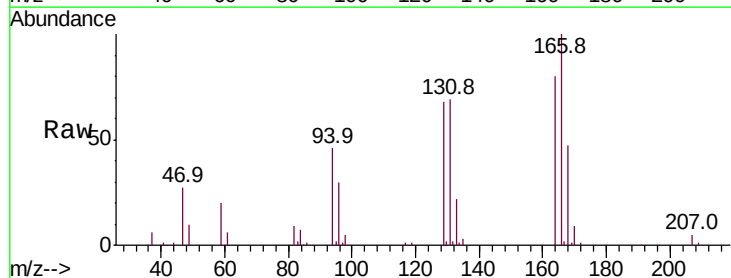
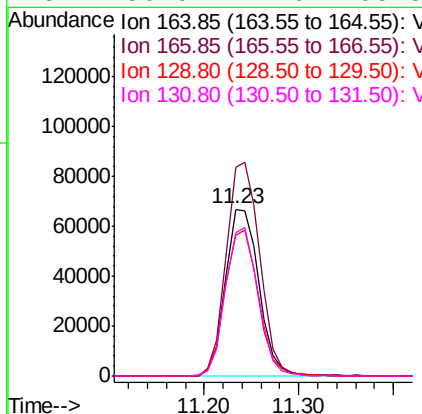
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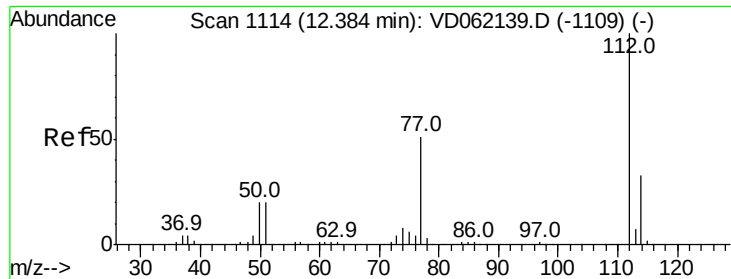
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#64
Tetrachloroethene
Concen: 44.500 ug/l
RT: 11.23 min Scan# 997
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	162755		
166	124.9	101.5	152.3	
129	84.6	74.6	112.0	
131	86.0	72.6	108.8	





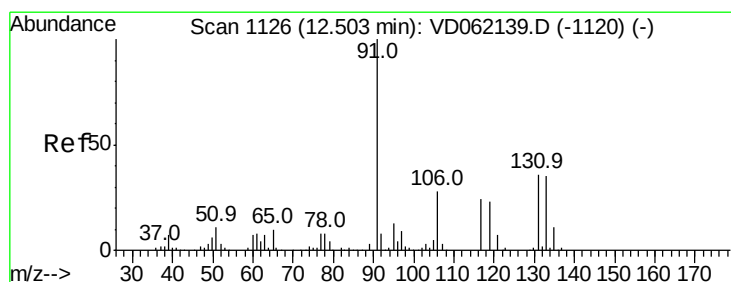
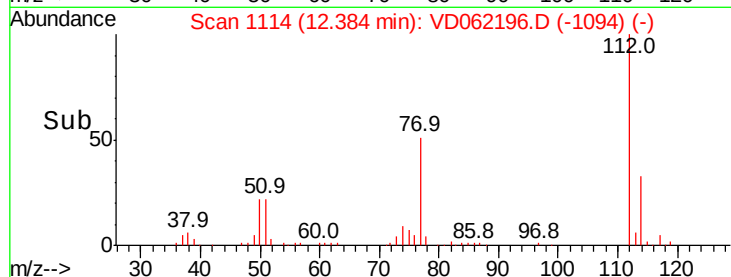
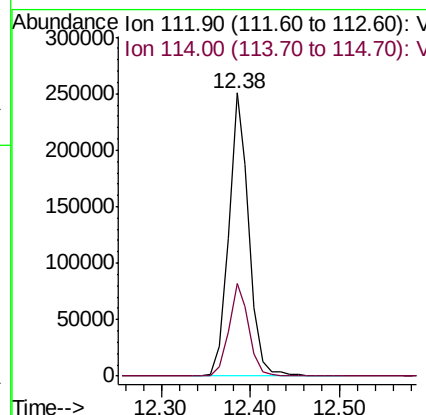
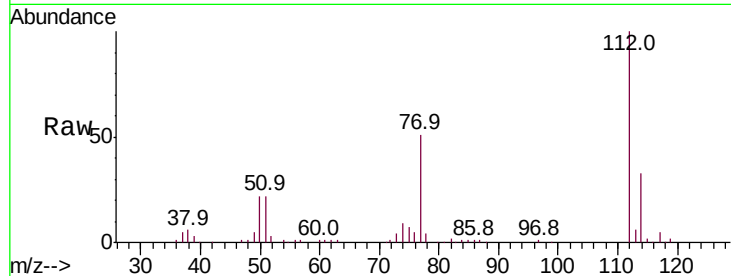
#65
Chlorobenzene
Concen: 45.483 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.8

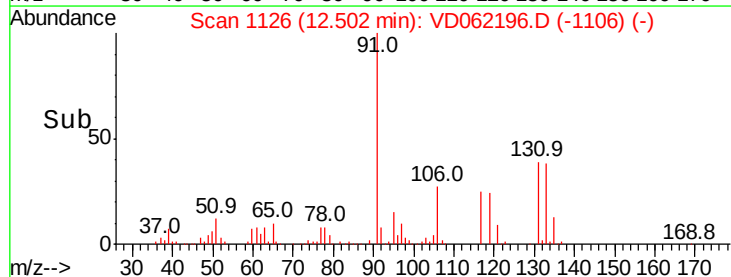
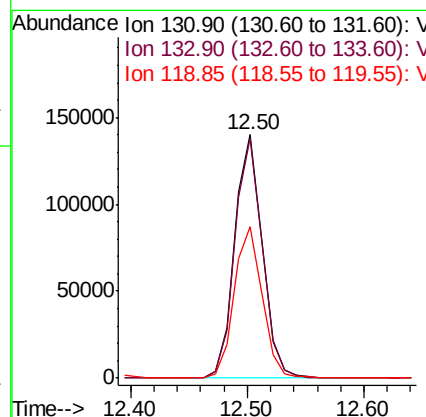
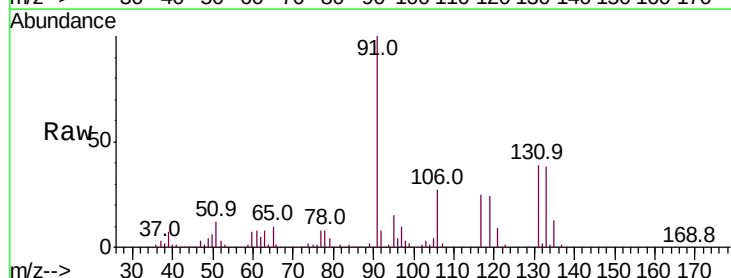
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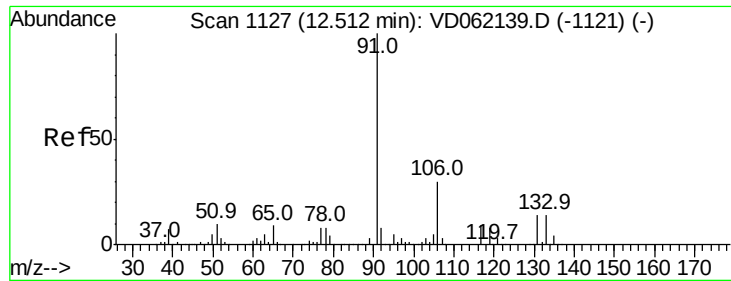
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#66
1,1,1,2-Tetrachloroethane
Concen: 60.610 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.6	48.6	145.8
119	62.2	34.7	104.1





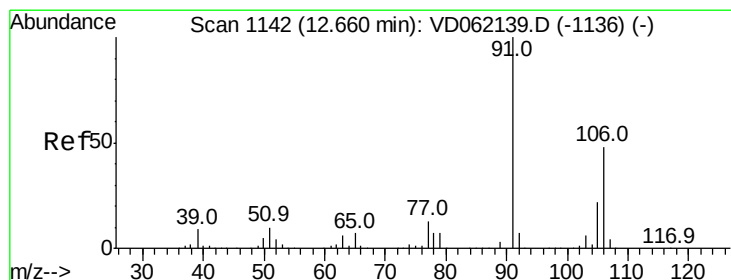
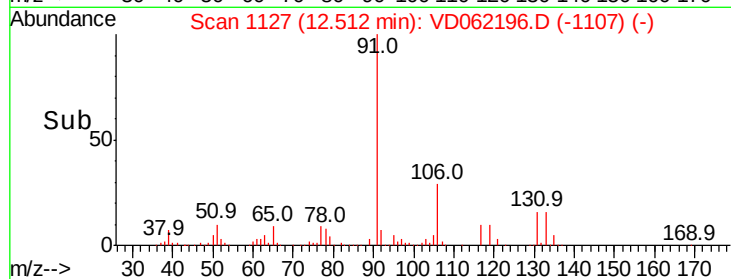
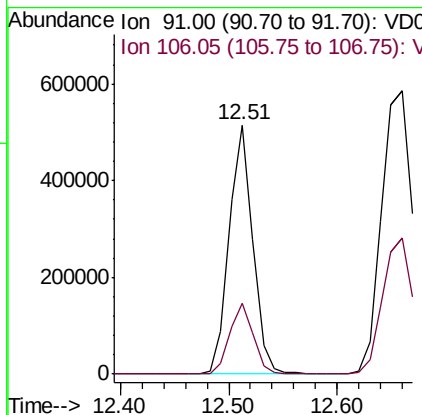
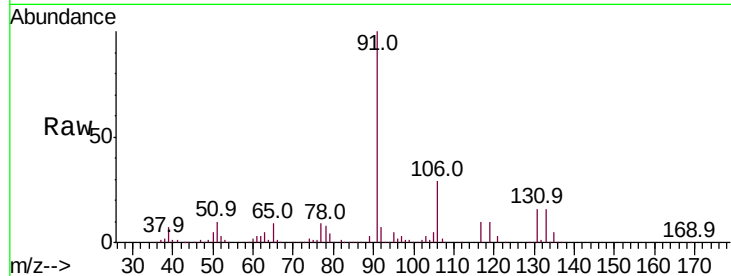
#67
Ethyl Benzene
Concen: 54.051 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion: 91 Resp: 788297
Ion Ratio Lower Upper
91 100
106 28.6 24.7 37.1

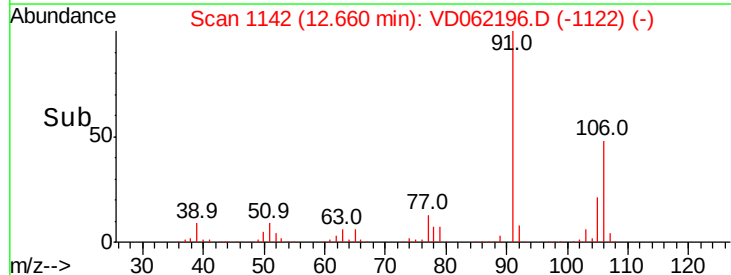
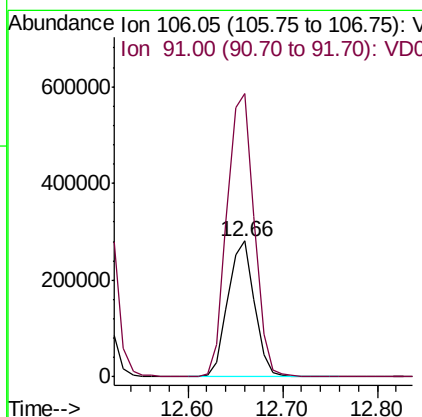
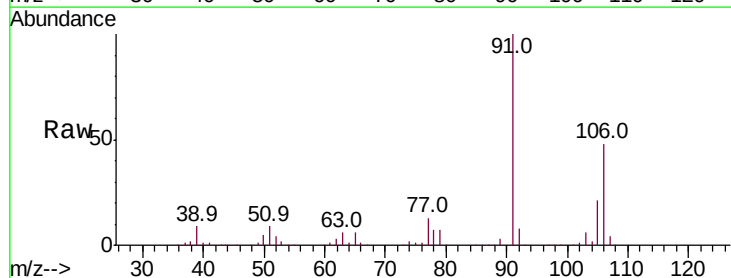
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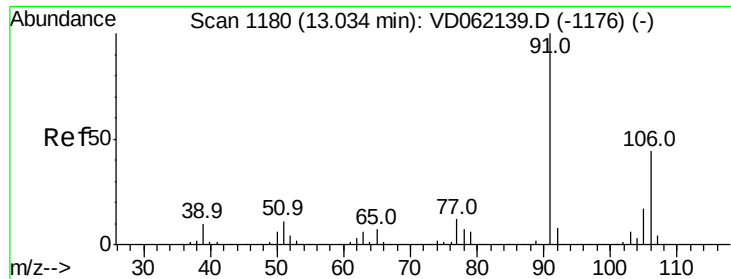
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#68
m/p-Xylenes
Concen: 102.649 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion: 106 Resp: 544665
Ion Ratio Lower Upper
106 100
91 208.7 164.0 246.0





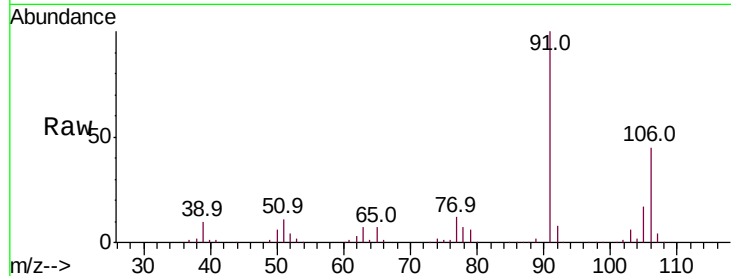
#69
o-Xylene
Concen: 54.040 ug/l
RT: 13.03 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

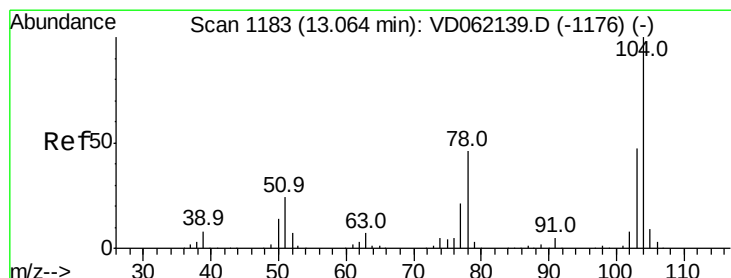
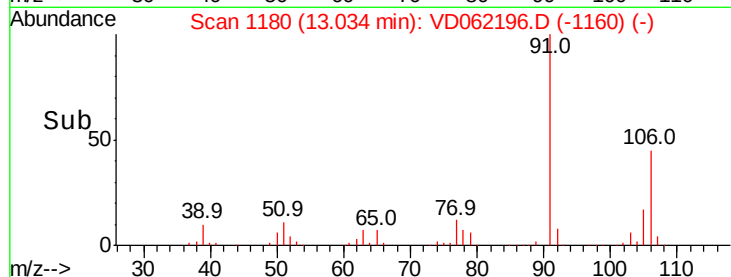
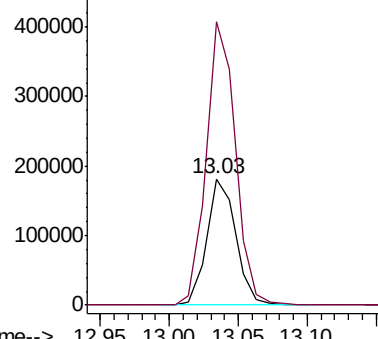
Tot Ion:106 Resp: 266580
Ion Ratio Lower Upper
106 100
91 224.3 106.7 319.9

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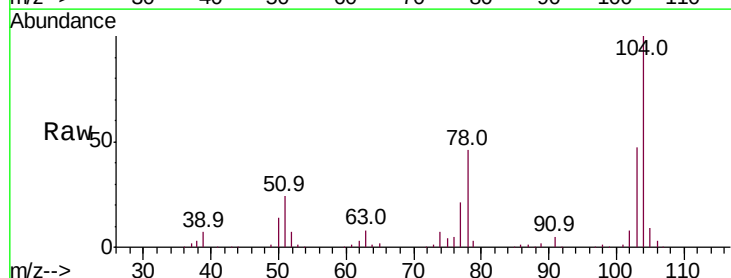


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

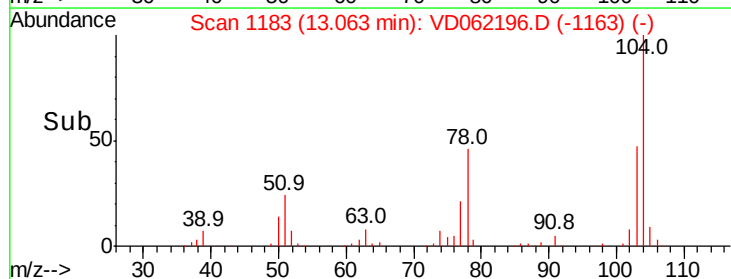
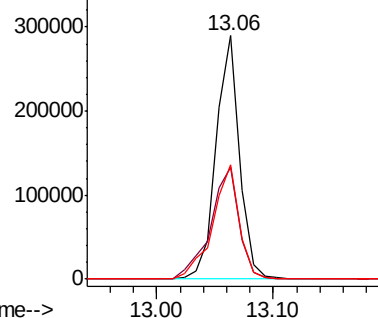


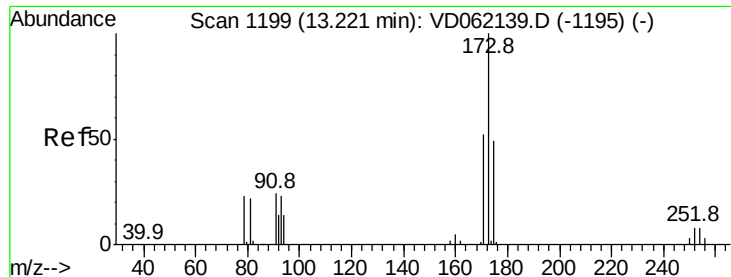
#70
Styrene
Concen: 48.234 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion:104 Resp: 403074
Ion Ratio Lower Upper
104 100
78 45.8 35.4 53.2
103 46.9 37.5 56.3



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





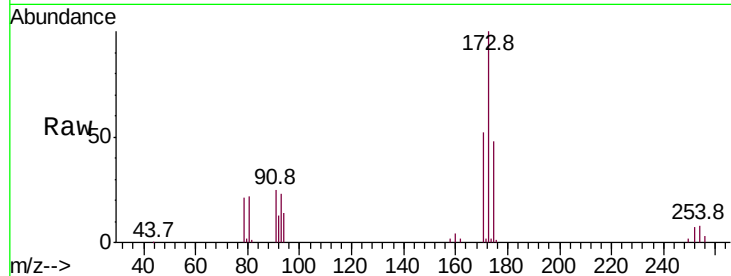
#71
Bromoform
Concen: 51.163 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

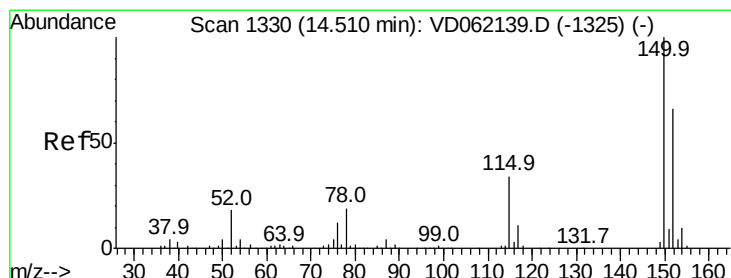
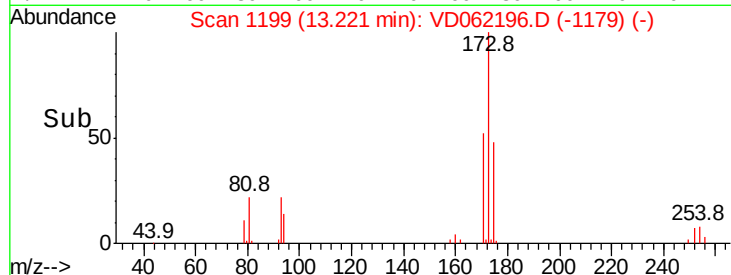
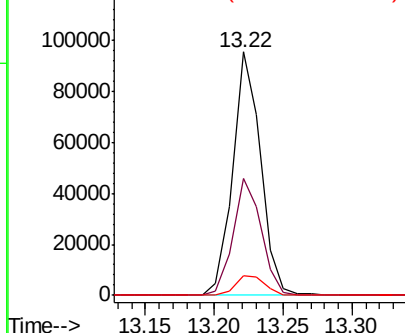
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.4	73.4
254	7.9	5.4	8.2

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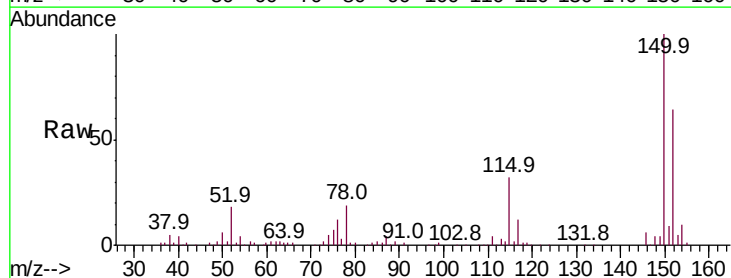


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

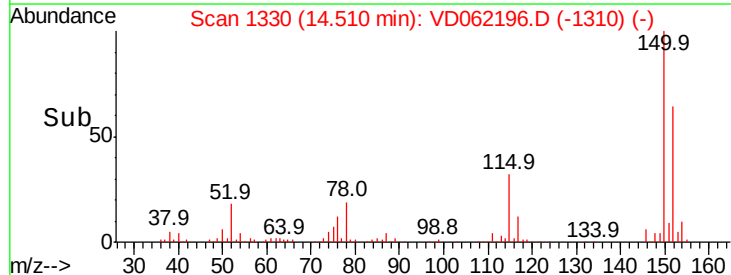
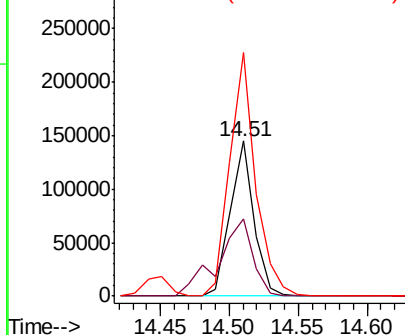


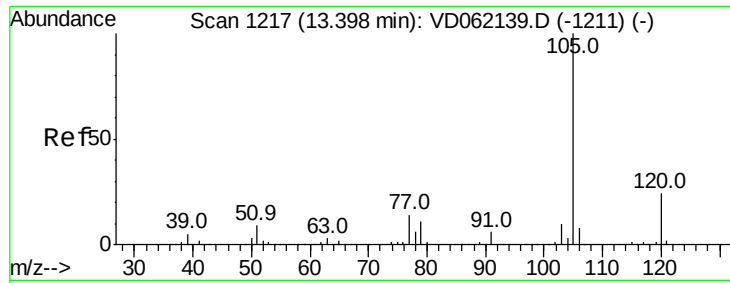
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.3	30.9	92.7
150	157.4	0.0	314.8



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





#73

Isopropylbenzene

Concen: 66.094 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:105 Resp: 681099

Ion Ratio Lower Upper

105 100

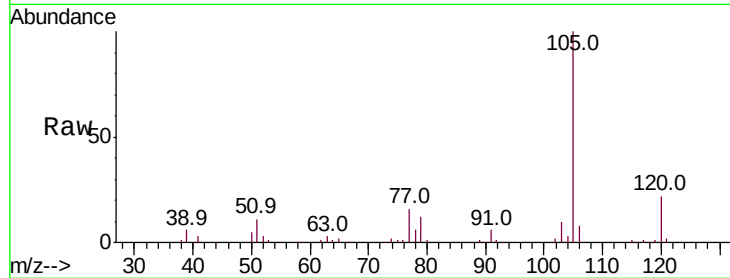
120 22.2 12.0 36.1

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

400000

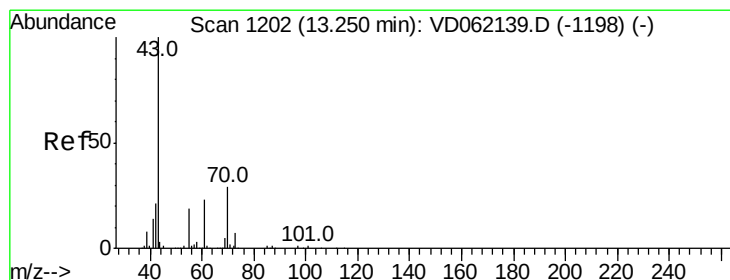
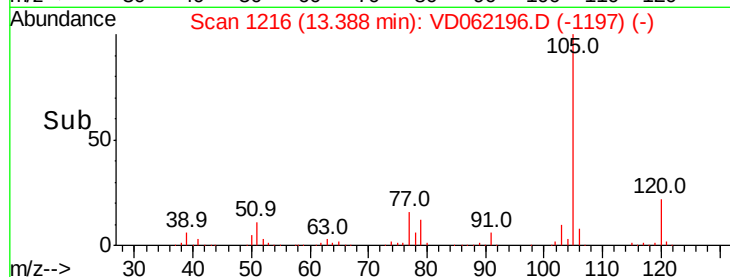
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 21.505 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Tgt Ion: 43 Resp: 58102

Ion Ratio Lower Upper

43 100

70 27.3 24.2 36.4

55 18.3 16.0 24.0

61 23.3 21.6 32.4

Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

60000

50000

40000

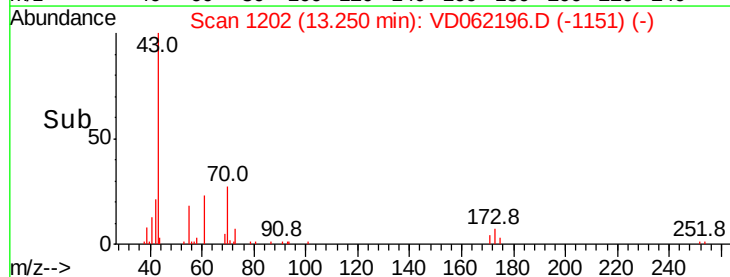
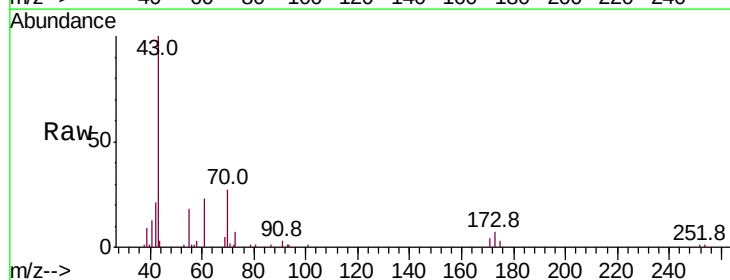
30000

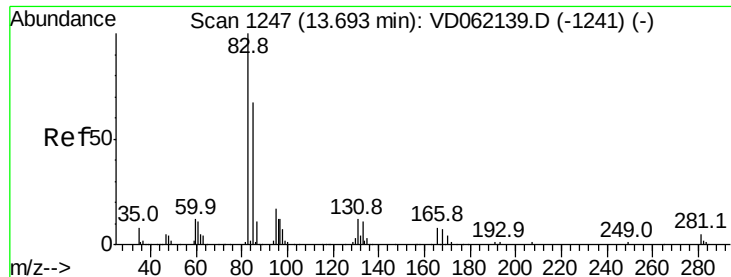
20000

10000

0

Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 71.347 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

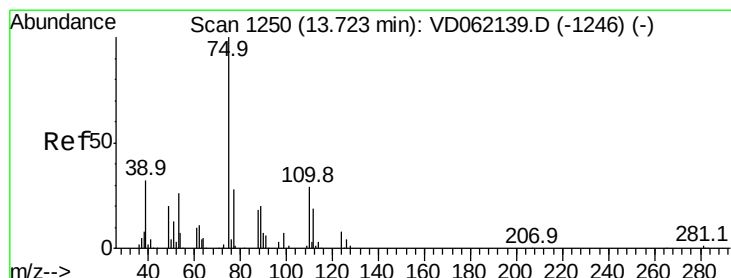
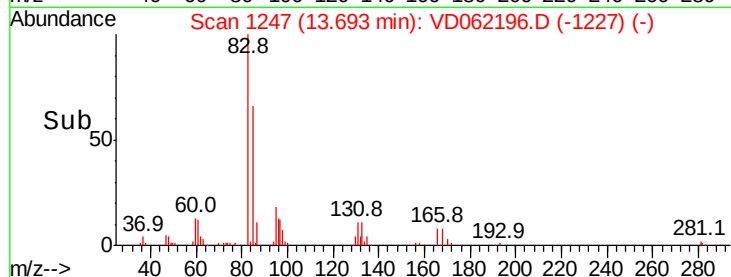
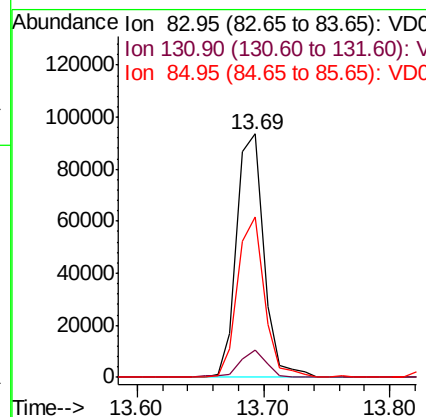
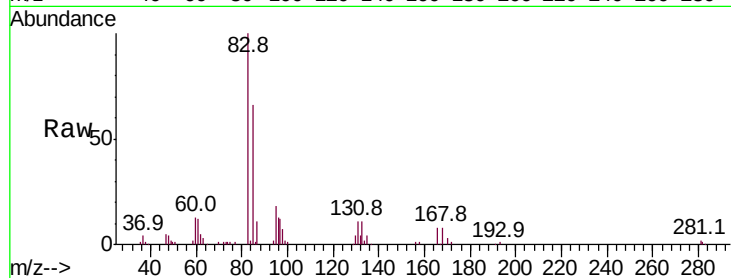
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:	83	Resp:	139189
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.0	14.9
85	66.0	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 71.318 ug/l

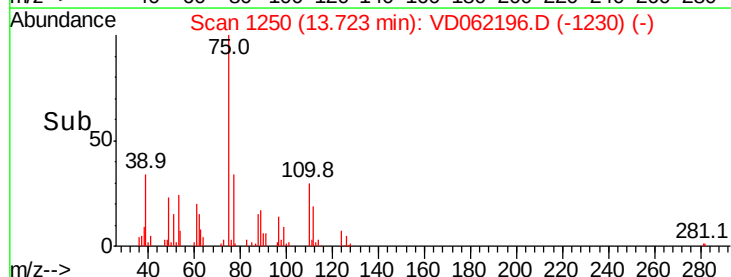
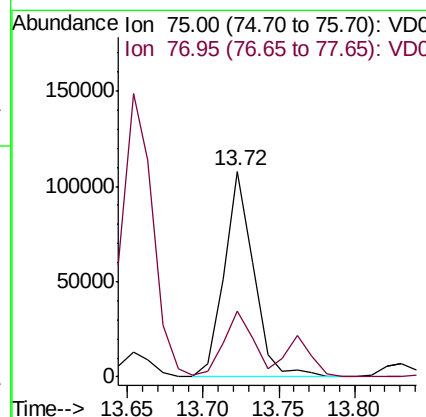
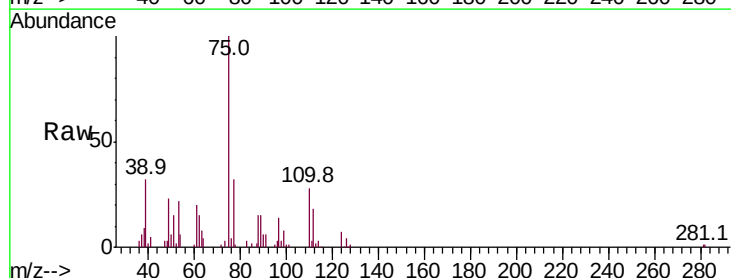
RT: 13.72 min Scan# 1250

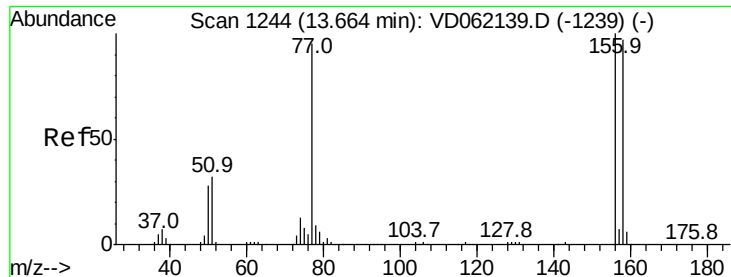
Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Tgt Ion:	75	Resp:	145707
Ion Ratio	Lower	Upper	
75	100		
77	32.2	16.4	49.4





#77

Bromobenzene

Concen: 63.642 ug/l

RT: 13.66 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

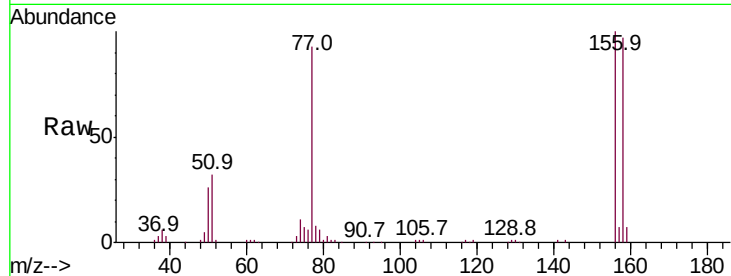
ClientSampleId :

P026-SS002-1218-01MSD

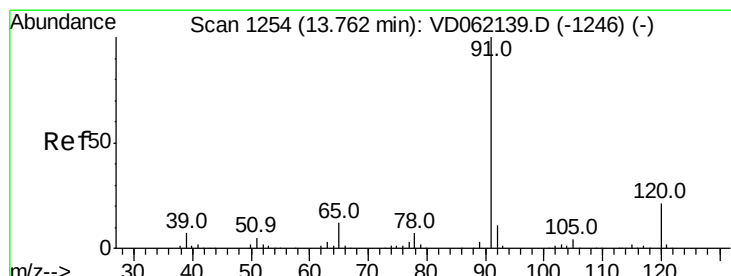
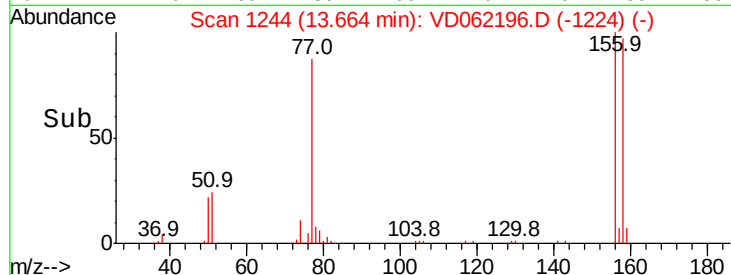
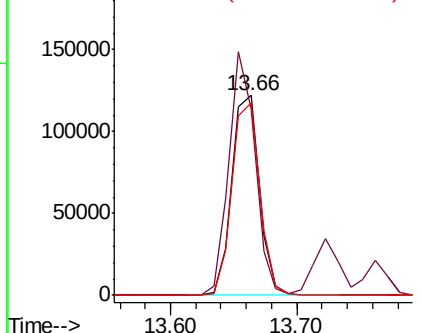
Tot Ion:	156	Resp:	183591
Ion Ratio	Lower	Upper	
156	100		
77	93.2	53.1	159.4
158	96.6	49.4	148.0

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Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 54.948 ug/l

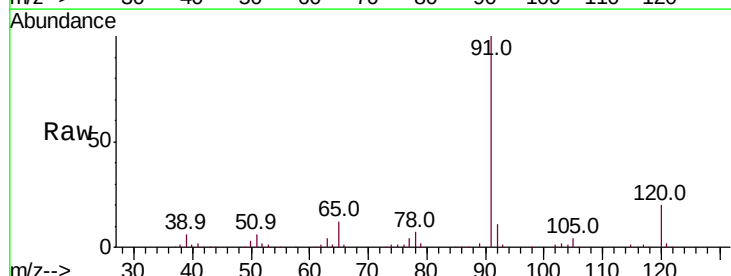
RT: 13.76 min Scan# 1254

Delta R.T. -0.00 min

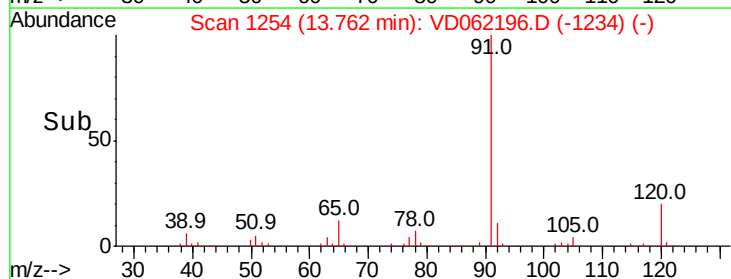
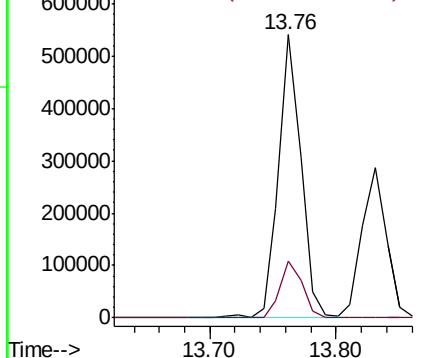
Lab File: VD062196.D

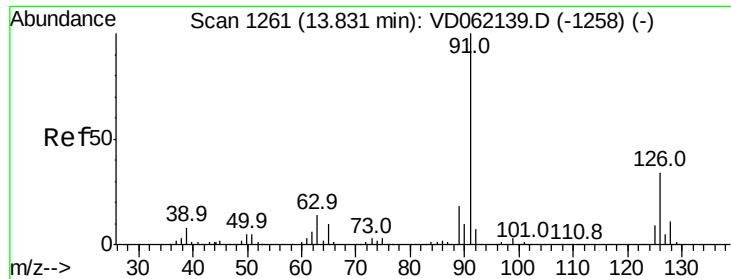
Acq: 9 May 2019 19:01

Tgt Ion:	91	Resp:	675460
Ion Ratio	Lower	Upper	
91	100		
120	20.0	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V





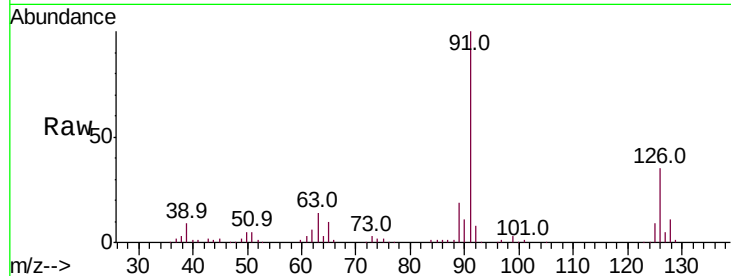
#79
2-Chlorotoluene
Concen: 54.569 ug/l
RT: 13.83 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

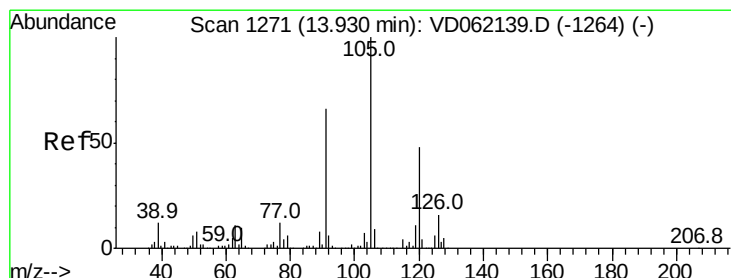
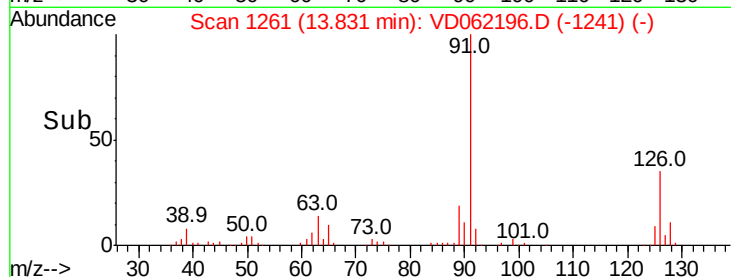
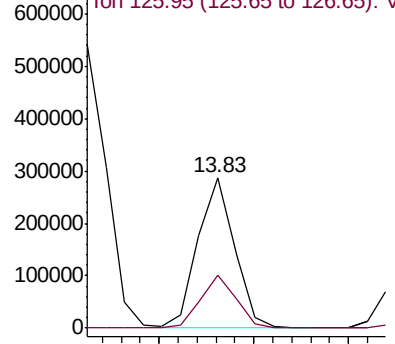
Tot Ion: 91 Resp: 384182
Ion Ratio Lower Upper
91 100
126 35.2 18.6 55.8

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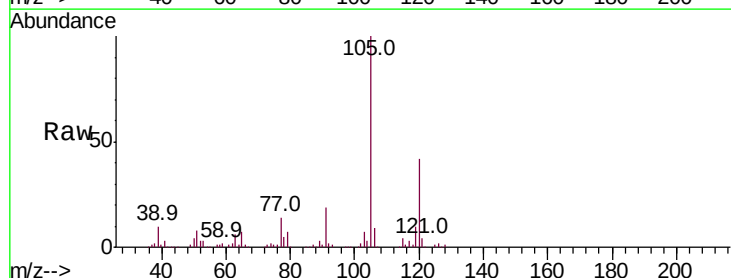


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

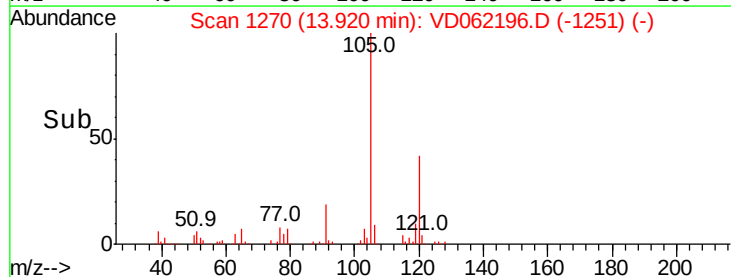
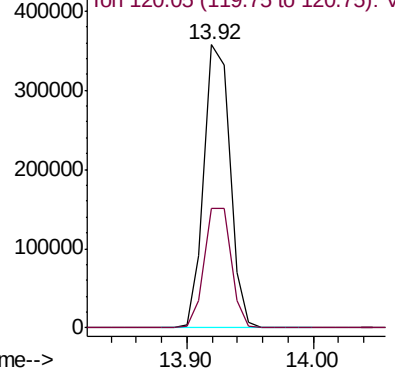


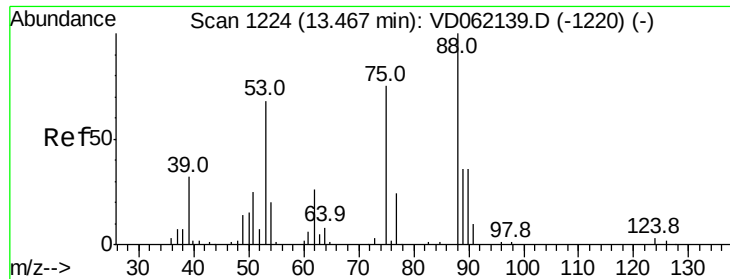
#80
1,3,5-Trimethylbenzene
Concen: 58.862 ug/l
RT: 13.92 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion:105 Resp: 510787
Ion Ratio Lower Upper
105 100
120 42.3 24.0 72.0



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





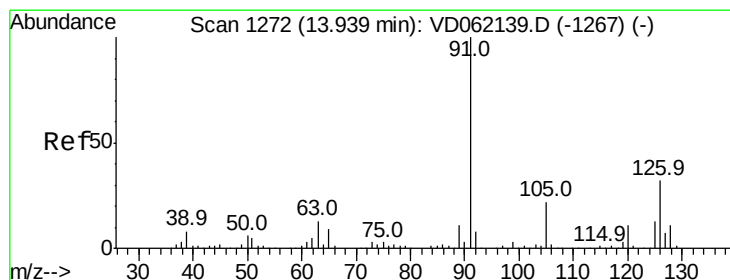
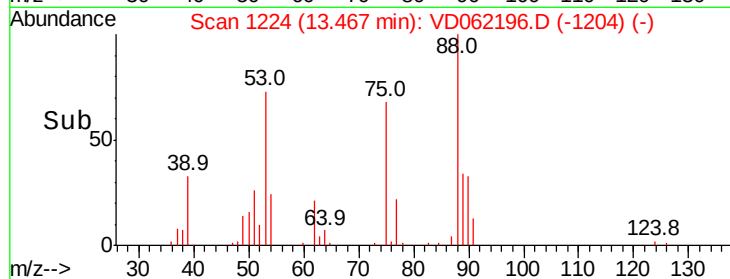
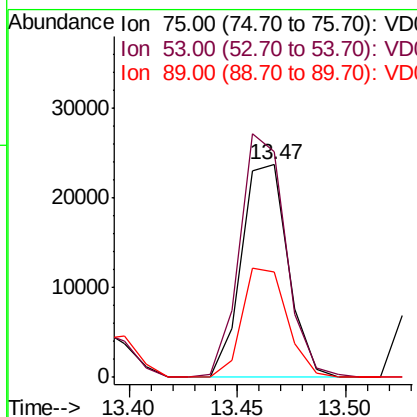
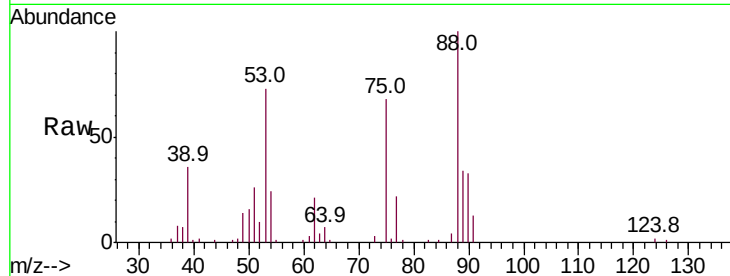
#81
trans-1,4-Dichloro-2-butene
Concen: 62.140 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.4	65.8	98.8#
89	49.7	35.0	52.6

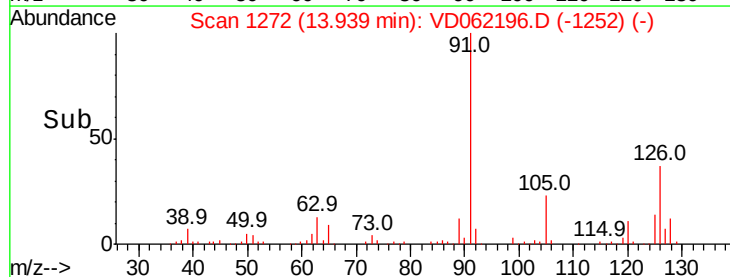
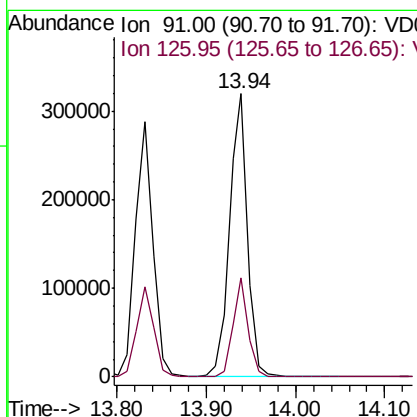
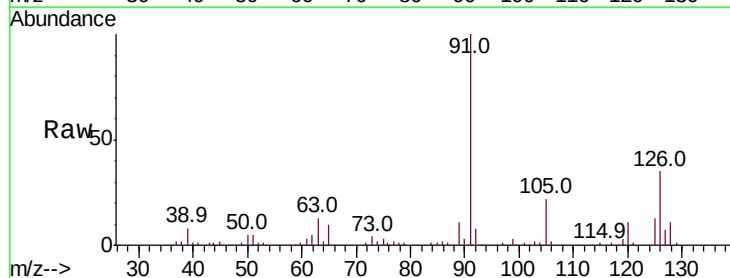
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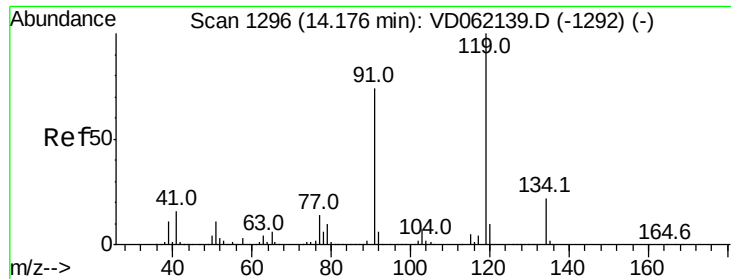
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#82
4-Chlorotoluene
Concen: 54.678 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	19.1	57.5





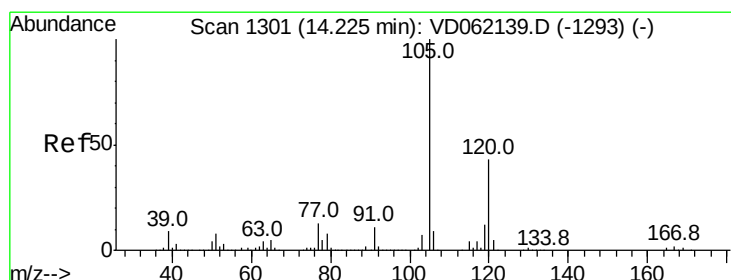
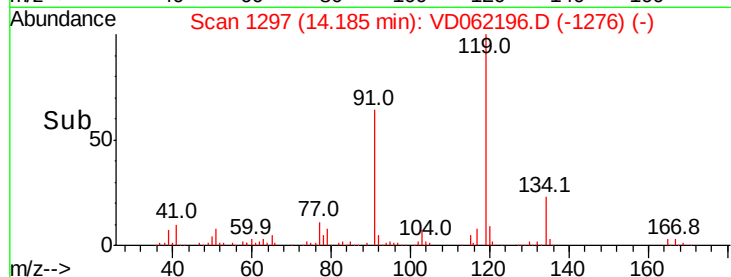
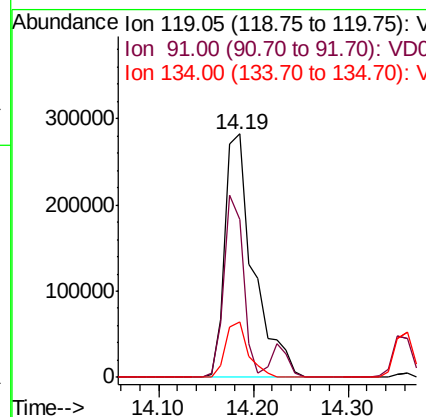
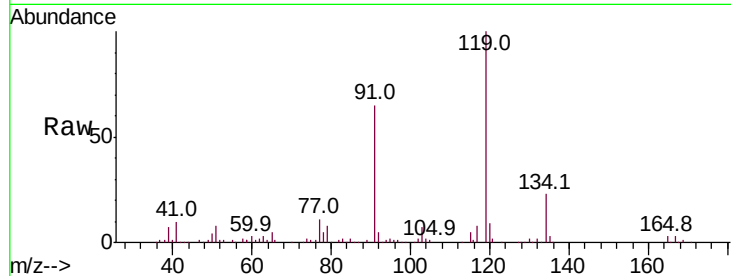
#83
tert-Butylbenzene
Concen: 60.616 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	591222		
91	64.7	34.2	102.6	
134	22.7	12.0	36.0	

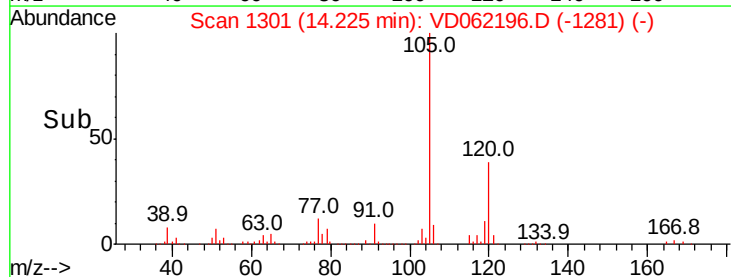
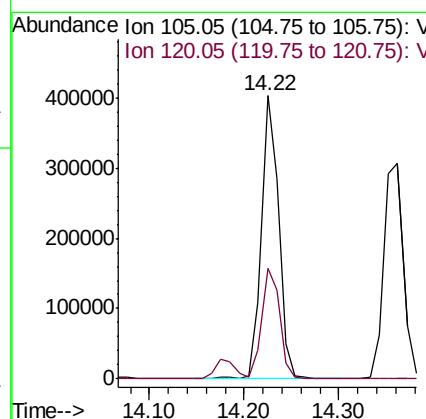
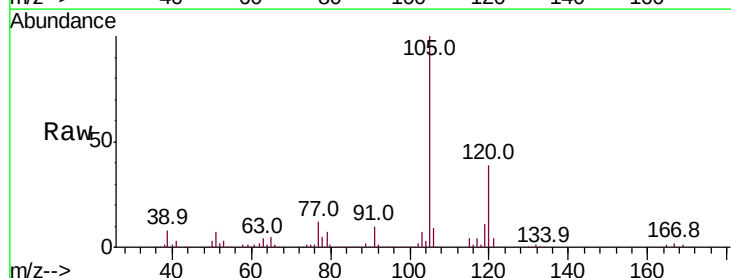
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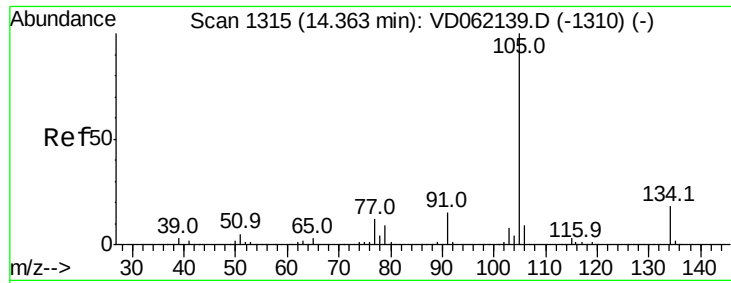
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#84
1,2,4-Trimethylbenzene
Concen: 58.682 ug/l
RT: 14.22 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	511000		
120	39.3	23.1	69.2	





#85

sec-Butylbenzene

Concen: 41.219 ug/l

RT: 14.36 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:105 Resp: 440796

Ion Ratio Lower Upper

105 100

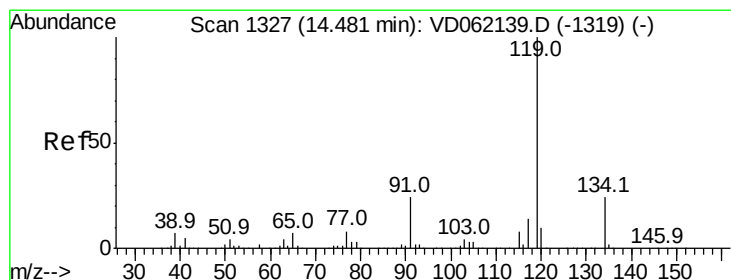
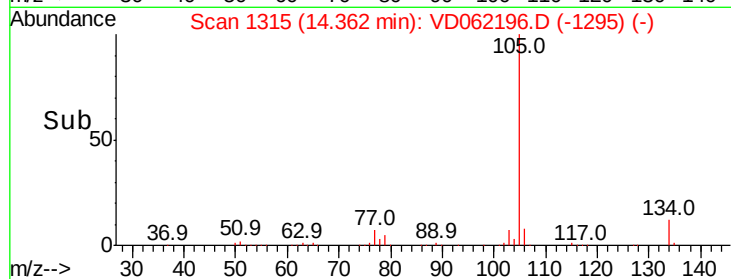
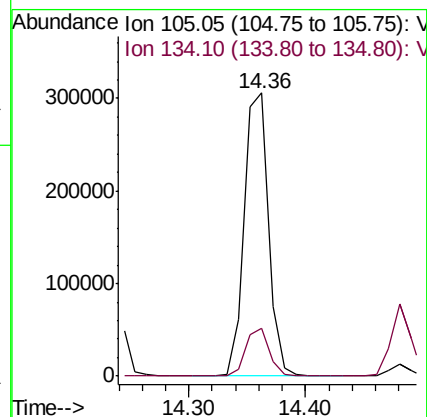
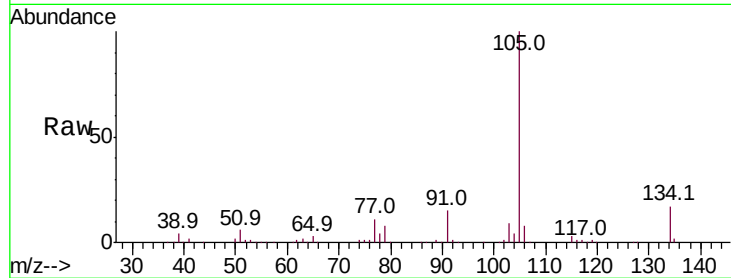
134 17.0 8.9 26.7

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#86

p-Isopropyltoluene

Concen: 43.076 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

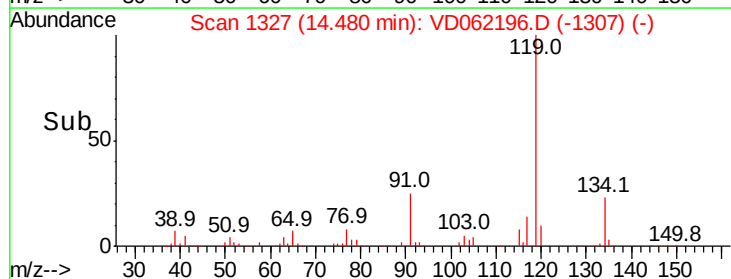
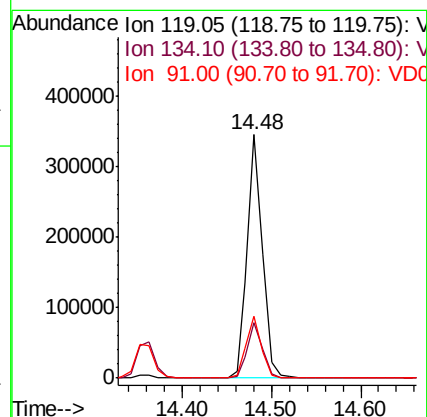
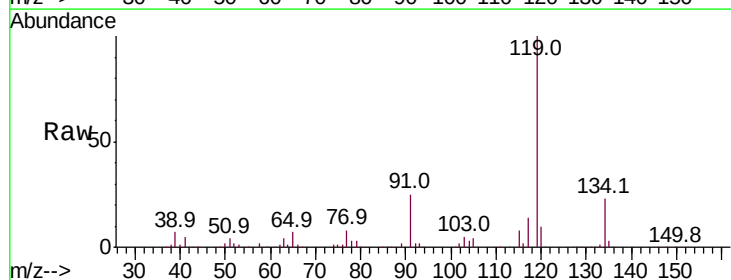
Tgt Ion:119 Resp: 411565

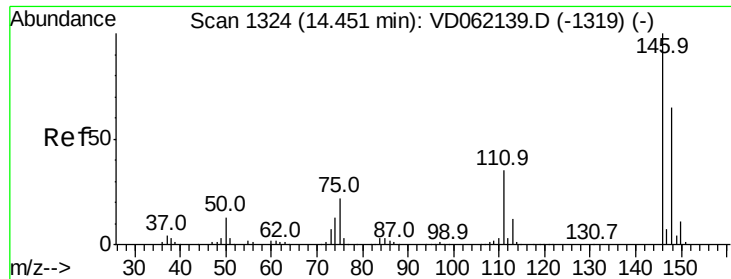
Ion Ratio Lower Upper

119 100

134 22.7 12.8 38.3

91 25.2 10.7 32.1





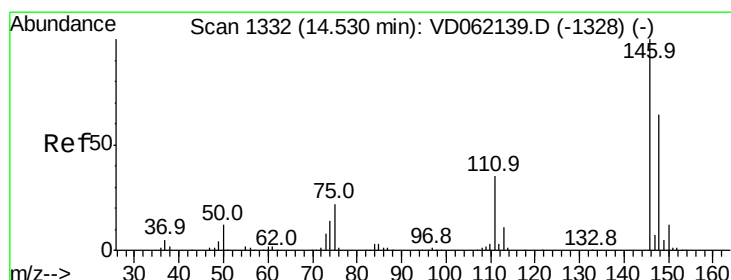
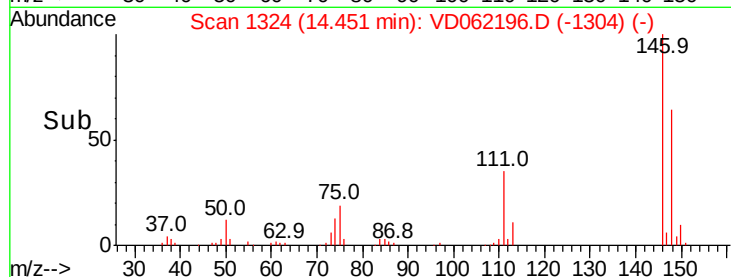
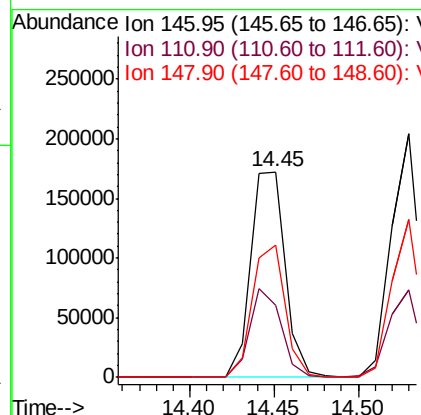
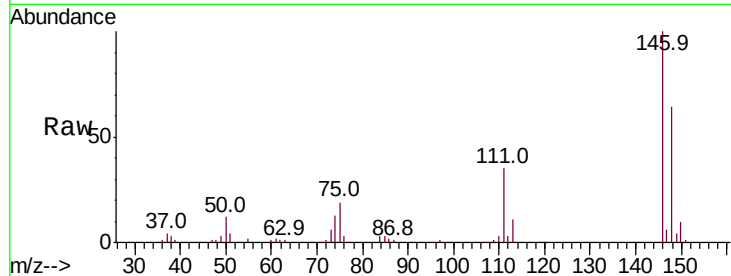
#87
 1,3-Dichlorobenzene
 Concen: 46.483 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.0	20.0	60.0
148	64.3	31.8	95.4

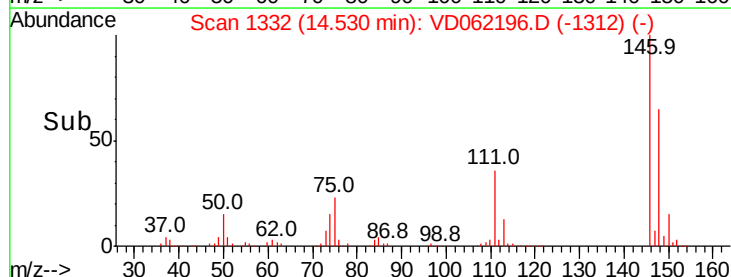
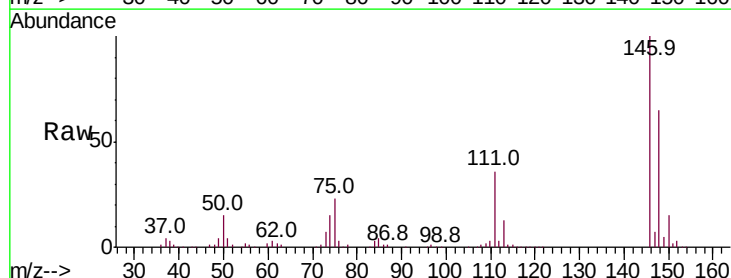
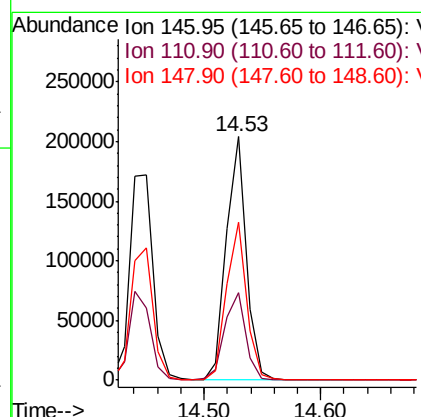
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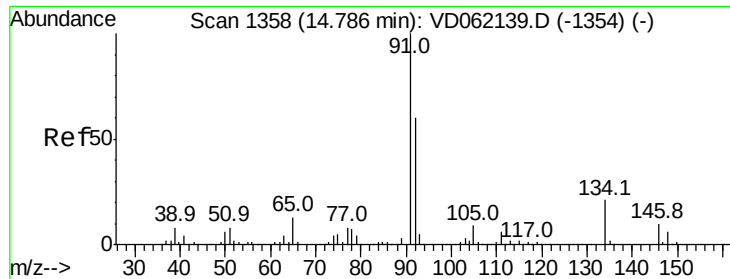
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#88
 1,4-Dichlorobenzene
 Concen: 47.441 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	20.2	60.5
148	64.6	32.0	96.2





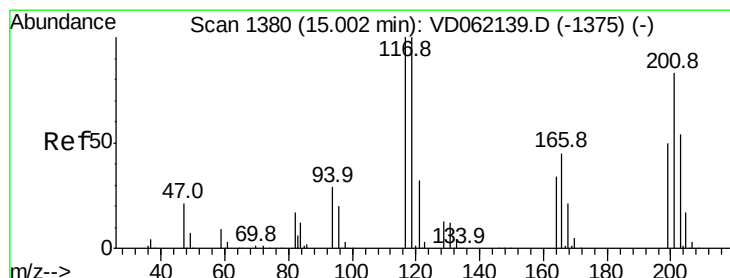
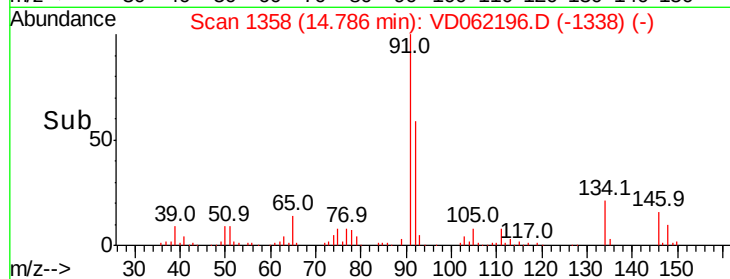
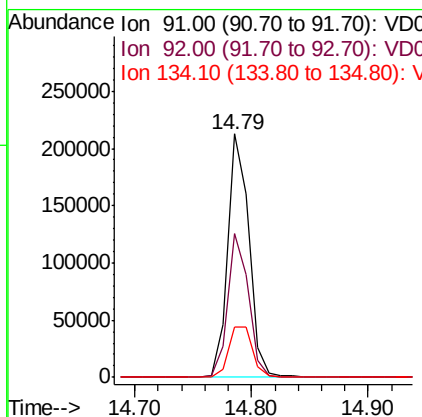
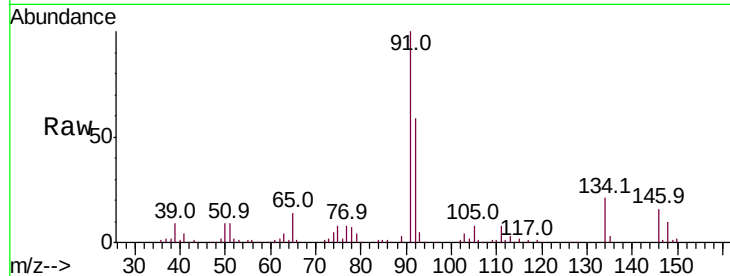
#89
n-Butylbenzene
Concen: 31.292 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.2	30.3	91.0
134	20.7	14.5	43.6

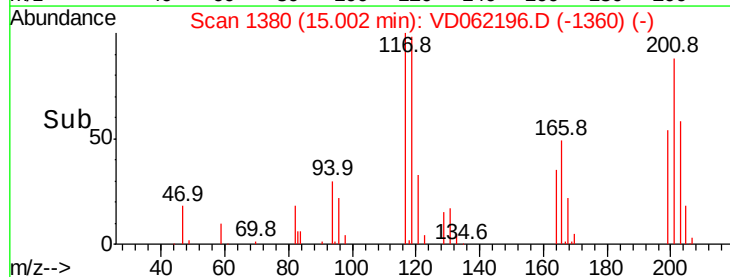
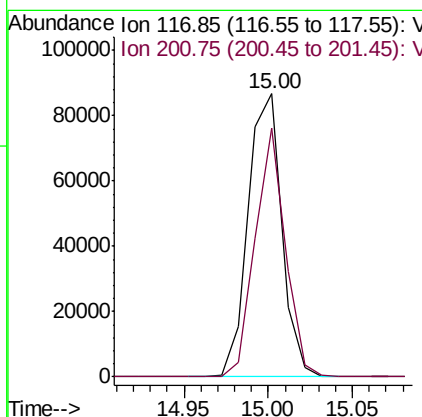
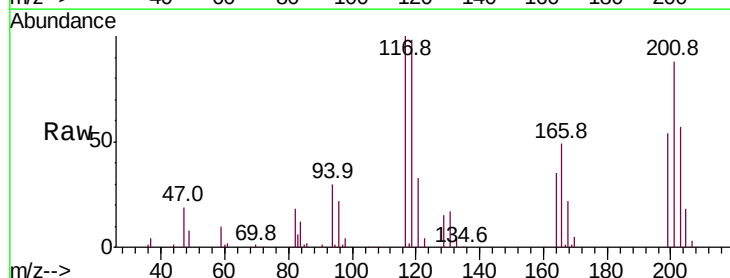
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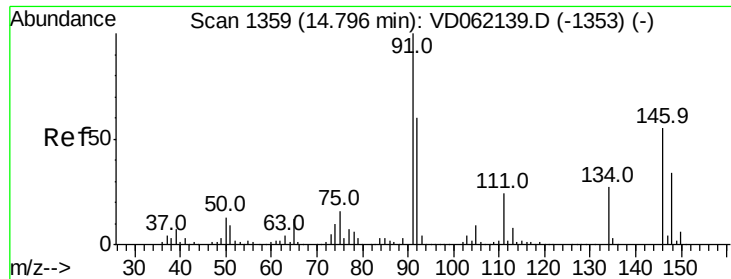
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#90
Hexachloroethane
Concen: 46.242 ug/l
RT: 15.00 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.0	30.2	90.6





#91

1,2-Dichlorobenzene

Concen: 48.317 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD062196.D

Acq: 9 May 2019 19:01

Instrument :

MSVOA_D

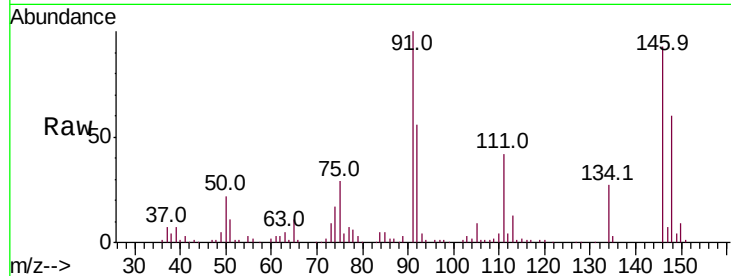
ClientSampleId :

P026-SS002-1218-01MSD

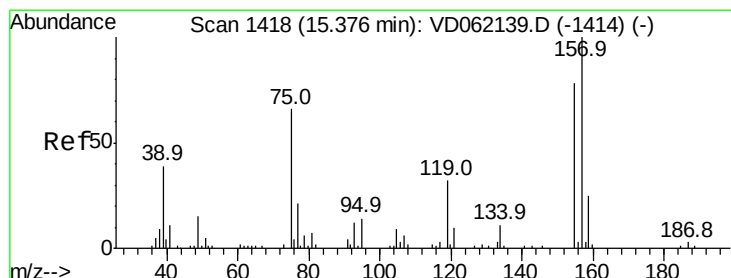
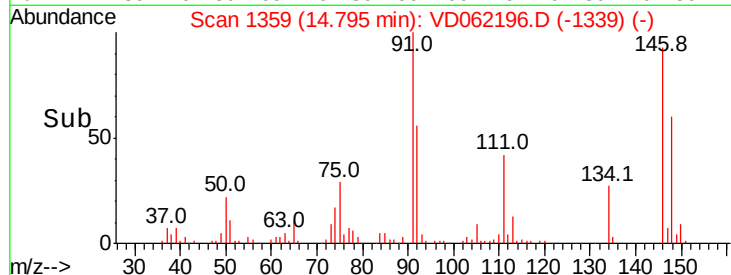
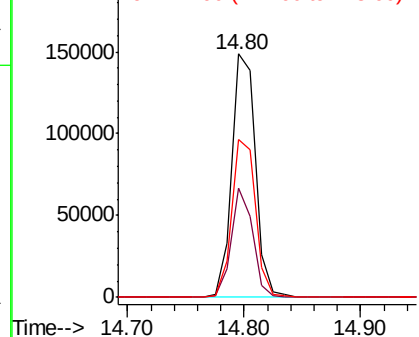
Tot Ion:	146	Resp:	209692
Ion Ratio	Lower	Upper	
146	100		
111	44.8	20.0	59.9
148	64.8	32.3	96.8

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 69.882 ug/l

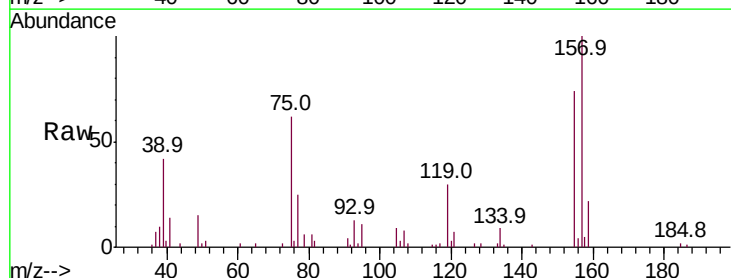
RT: 15.38 min Scan# 1418

Delta R.T. -0.00 min

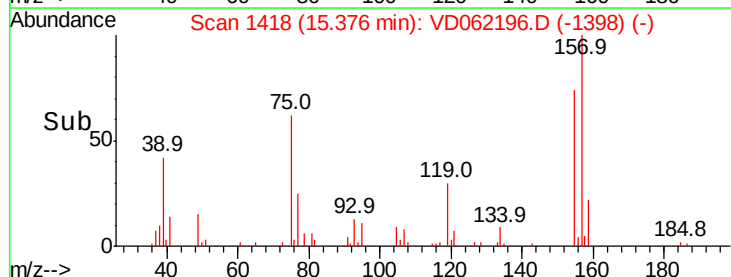
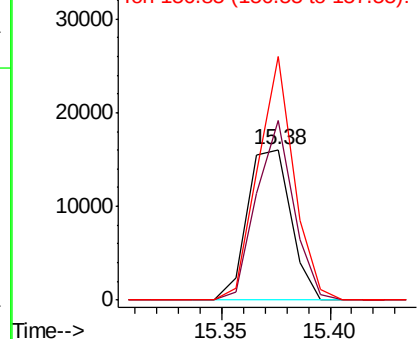
Lab File: VD062196.D

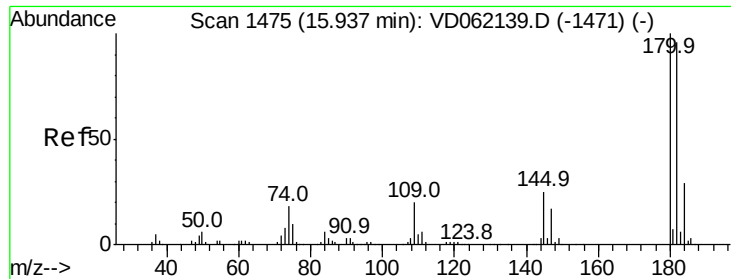
Acq: 9 May 2019 19:01

Tgt Ion:	75	Resp:	22379
Ion Ratio	Lower	Upper	
75	100		
155	120.0	55.3	165.8
157	162.1	67.8	203.2



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





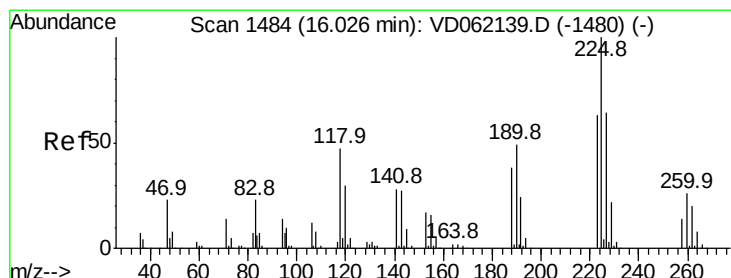
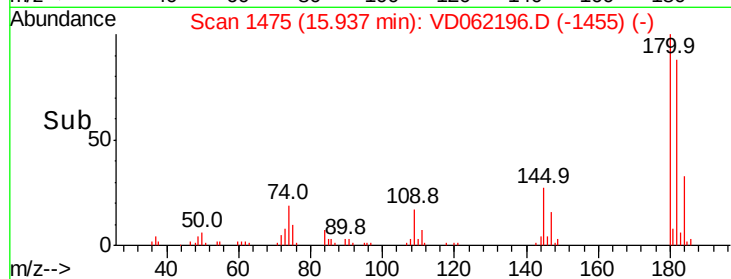
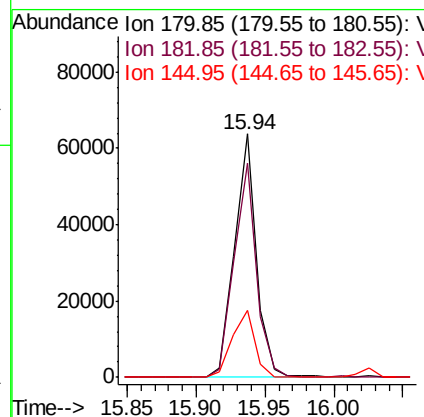
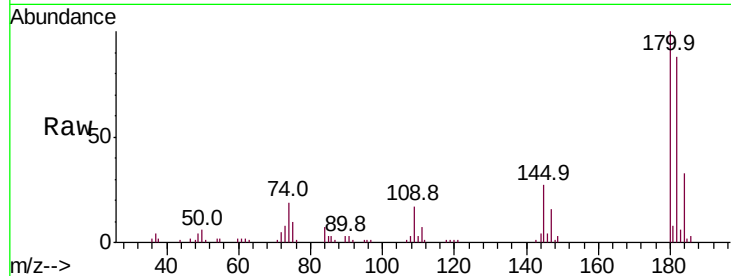
#93
 1,2,4-Trichlorobenzene
 Concen: 22.307 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.8	49.3	147.8
145	27.5	16.2	48.6

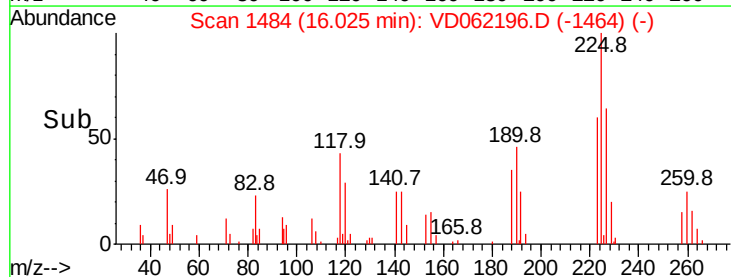
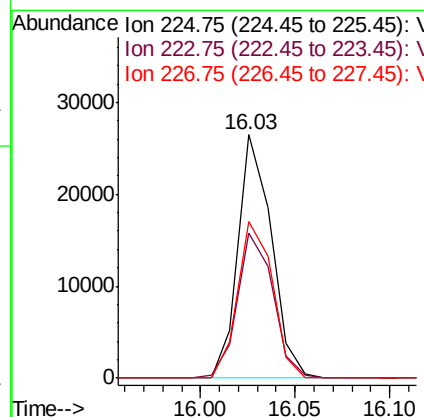
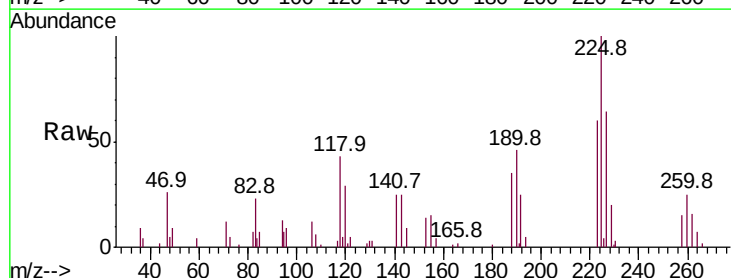
Manual Integrations
 APPROVED

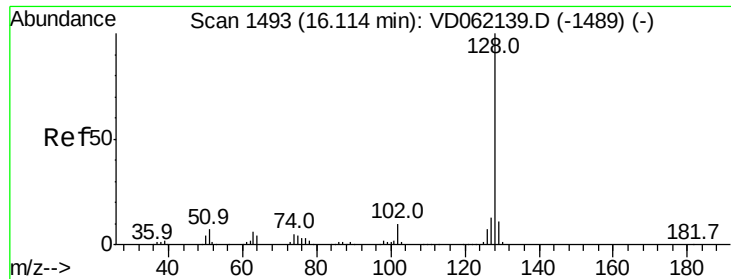
MMDadoda
 5/10/2019 11:54:03 AM



#94
 Hexachlorobutadiene
 Concen: 13.678 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062196.D
 Acq: 9 May 2019 19:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.8	30.6	92.0
227	64.4	32.0	96.2





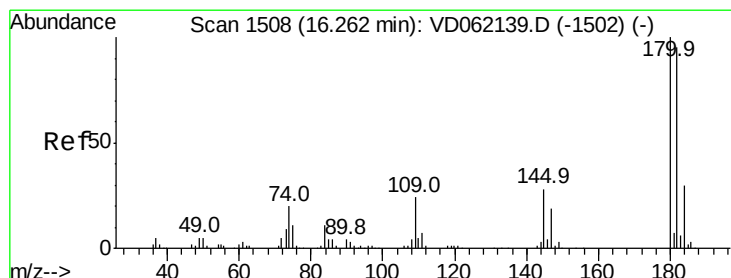
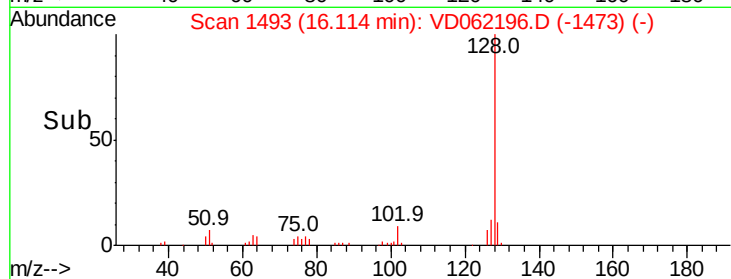
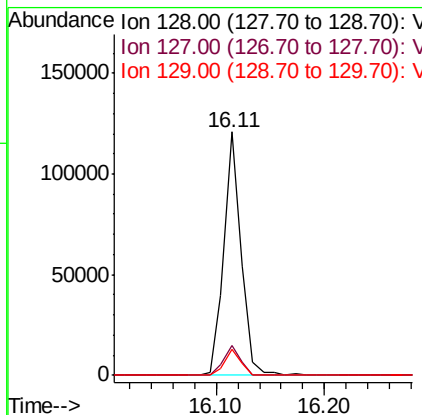
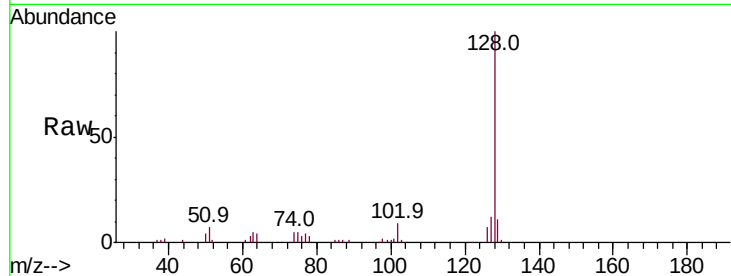
#95
Naphthalene
Concen: 30.366 ug/l
RT: 16.11 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	133920		
127	12.4		9.8	14.8
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/10/2019 11:54:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.411 ug/l
RT: 16.26 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062196.D
Acq: 9 May 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	40538		
182	94.1		47.0	141.0
145	27.0		17.0	51.0

