

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063081.D
 Acq On : 15 Jul 2019 15:32
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD071519

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:15:16 AM

Quant Time: Jul 16 08:24:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	761790	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.21	114	1012278	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	808399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	439095	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	402313	42.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.80%	
35) Dibromofluoromethane	6.91	113	431045	42.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.50%	
50) Toluene-d8	10.41	98	927993	42.85	ug/l	0.01
Spiked Amount	50.000		Recovery	=	85.70%	
62) 4-Bromofluorobenzene	13.55	95	410558	40.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.96%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.57	85	455894	55.933	ug/l	99
3) Chloromethane	1.75	50	346765	50.309	ug/l #	79
4) Vinyl Chloride	1.84	62	402251	49.475	ug/l	95
5) Bromomethane	2.15	94	180287	58.742	ug/l	87
6) Chloroethane	2.27	64	189911	50.284	ug/l	91
7) Trichlorofluoromethane	2.52	101	846264	51.417	ug/l	93
8) Diethyl Ether	2.87	74	118764	51.297	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	452389	47.668	ug/l	98
10) Methyl Iodide	3.29	142	614570	52.748	ug/l	97
11) Tert butyl alcohol	4.07	59	130449	238.196	ug/l #	93
12) 1,1-Dichloroethene	3.11	96	331861	49.243	ug/l	94
13) Acrolein	3.04	56	24030	145.380	ug/l	84
14) Allyl chloride	3.61	41	526869	49.743	ug/l	98
15) Acrylonitrile	4.19	53	306271	252.993	ug/l	99
16) Acetone	3.21	43	584150	254.864	ug/l	97
17) Carbon Disulfide	3.36	76	916395	47.506	ug/l	98
18) Methyl Acetate	3.64	43	157120	51.216	ug/l #	89
19) Methyl tert-butyl Ether	4.24	73	856676	50.357	ug/l	100
20) Methylene Chloride	3.80	84	372179	42.982	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	376316	50.301	ug/l	98
22) Diisopropyl ether	5.11	45	1218870	52.929	ug/l	94
23) Vinyl Acetate	5.05	43	3677648	273.733	ug/l	99
24) 1,1-Dichloroethane	4.97	63	751895	53.005	ug/l	98
25) 2-Butanone	6.07	43	540558	246.979	ug/l	95
26) 2,2-Dichloropropane	6.01	77	808460	51.497	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	428806	50.386	ug/l	98
28) Bromochloromethane	6.43	49	211801	41.156	ug/l	94
29) Tetrahydrofuran	6.45	42	235341	237.205	ug/l	97
30) Chloroform	6.66	83	905520	51.833	ug/l	98
31) Cyclohexane	6.94	56	467627	51.764	ug/l	96
32) 1,1,1-Trichloroethane	6.85	97	865607	50.247	ug/l	97
36) 1,1-Dichloropropene	7.14	75	579769	50.924	ug/l	97
37) Ethyl Acetate	6.18	43	245923	50.472	ug/l	97
38) Carbon Tetrachloride	7.10	117	879586m	50.844	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	487136	49.492	ug/l	95
40) Benzene	7.45	78	1164011	48.816	ug/l	97
41) Methacrylonitrile	6.44	41	313268	47.423	ug/l #	94
42) 1,2-Dichloroethane	7.57	62	656076	51.645	ug/l	95
43) Isopropyl Acetate	9.24	43	347171	49.710	ug/l #	99
44) Trichloroethene	8.53	130	499486	54.203	ug/l	100
45) 1,2-Dichloropropane	8.93	63	309062	51.987	ug/l	98
46) Dibromomethane	9.06	93	250213	48.978	ug/l	92
47) Bromodichloromethane	9.38	83	714998	53.633	ug/l	94
48) Methyl methacrylate	9.12	41	235320	51.309	ug/l	90
49) 1,4-Dioxane	9.07	88	38669	977.640	ug/l #	82
51) 4-Methyl-2-Pentanone	10.30	43	1221481	263.697	ug/l	95
52) Toluene	10.51	92	869489	54.607	ug/l	93
53) t-1,3-Dichloropropene	10.91	75	620882	54.361	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	589293	49.899	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	277001	50.340	ug/l	94
56) Ethyl methacrylate	11.04	69	293213	47.692	ug/l	95
57) 1,3-Dichloropropane	11.40	76	414323	49.483	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	861525	251.665	ug/l	99
59) 2-Hexanone	11.53	43	892190	249.749	ug/l	93
60) Dibromochloromethane	11.68	129	555642	52.678	ug/l	98
61) 1,2-Dibromoethane	11.80	107	333635	50.654	ug/l	93
64) Tetrachloroethene	11.26	164	403573	51.449	ug/l	96
65) Chlorobenzene	12.40	112	1013239	53.320	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	463279	52.583	ug/l	97
67) Ethyl Benzene	12.52	91	1673534	50.685	ug/l	100
68) m/p-Xylenes	12.66	106	1210251	102.337	ug/l	96
69) o-Xylene	13.05	106	596049	53.153	ug/l	94
70) Styrene	13.07	104	1049622	53.474	ug/l	98
71) Bromoform	13.23	173	335078	54.324	ug/l #	98
73) Isopropylbenzene	13.40	105	1753727	51.717	ug/l	99
74) N-amyl acetate	13.26	43	461862	48.837	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	315375	51.117	ug/l	92
76) 1,2,3-Trichloropropane	13.73	75	355148	52.579	ug/l	98
77) Bromobenzene	13.67	156	513520	53.401	ug/l	92
78) n-propylbenzene	13.77	91	2156127	55.253	ug/l	100
79) 2-Chlorotoluene	13.83	91	1246421	52.827	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1628179	55.091	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	88808	49.928	ug/l	96
82) 4-Chlorotoluene	13.94	91	1532495	55.622	ug/l	98
83) tert-Butylbenzene	14.19	119	1753442	52.471	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	1528429	51.874	ug/l	95
85) sec-Butylbenzene	14.37	105	1920542	54.092	ug/l	100
86) p-Isopropyltoluene	14.48	119	1759412	53.119	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	893779	52.045	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	855026	51.934	ug/l	95
89) n-Butylbenzene	14.79	91	1615169	52.906	ug/l	98
90) Hexachloroethane	15.01	117	463838	52.385	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	785743	51.382	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	59221	50.077	ug/l #	35

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	623425	54.264	ug/l	98
94) Hexachlorobutadiene	16.03	225	476972	56.325	ug/l	97
95) Naphthalene	16.12	128	878882	52.297	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	488637	52.871	ug/l	99

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

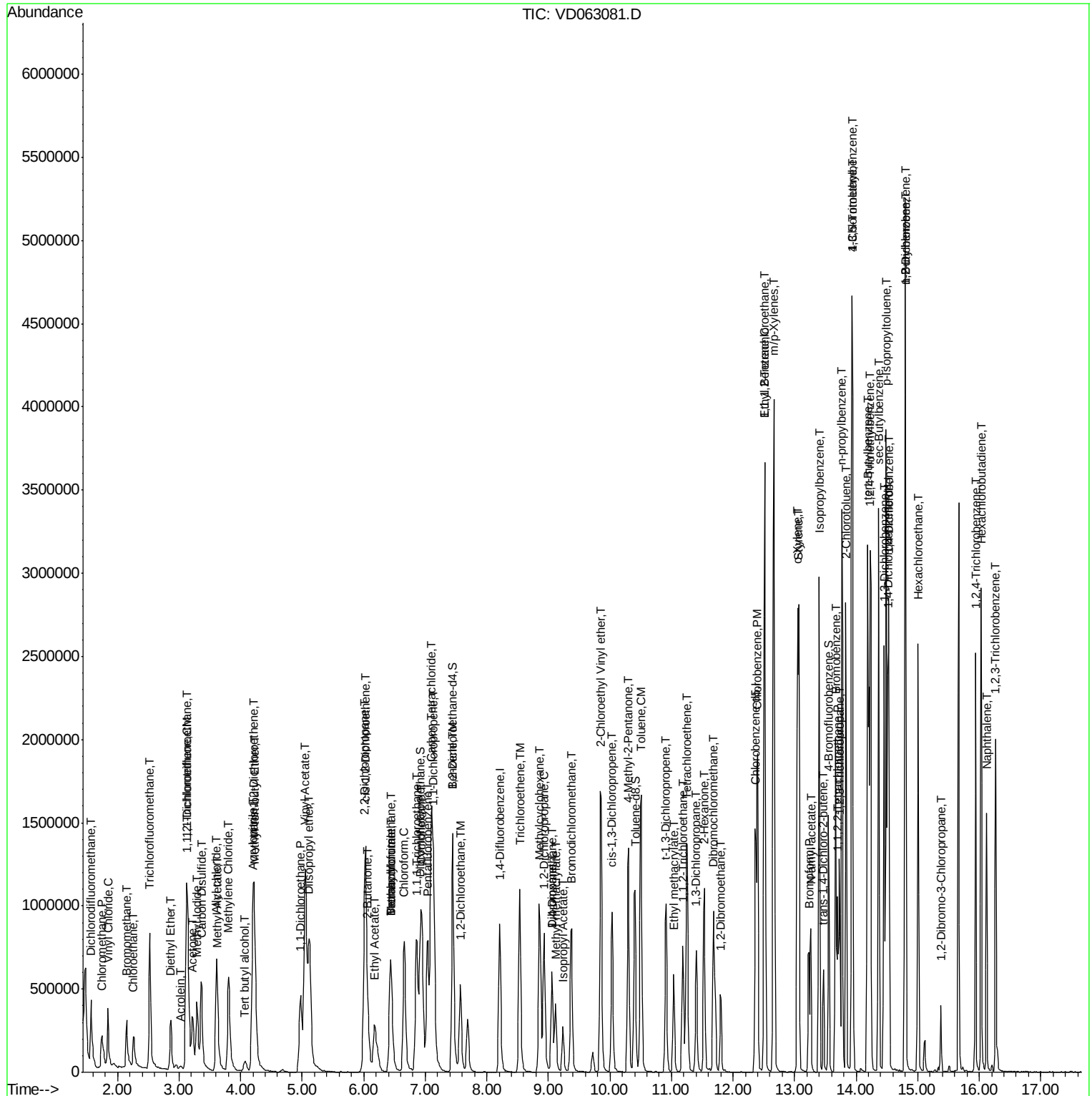
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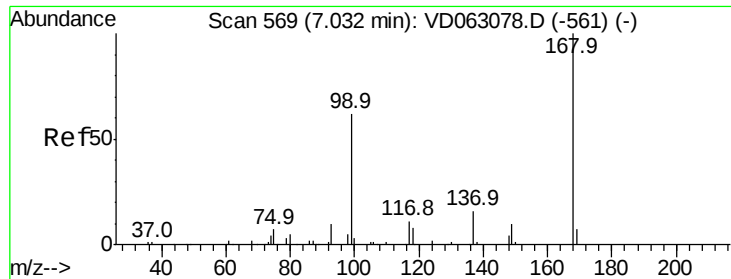
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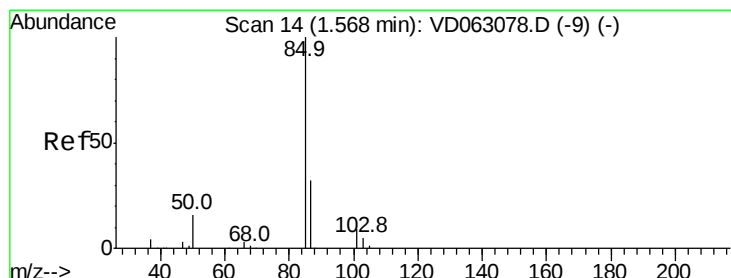
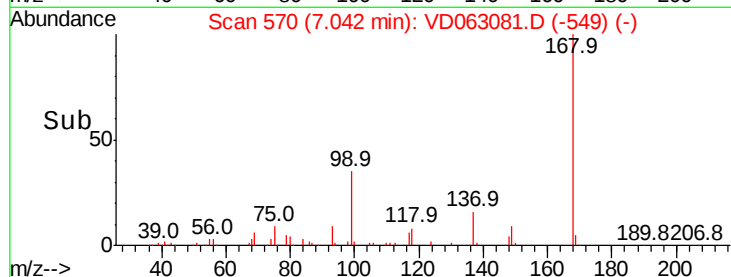
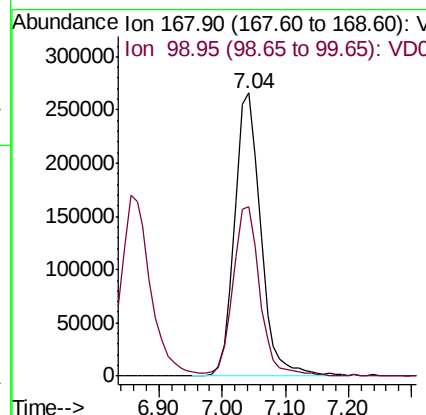
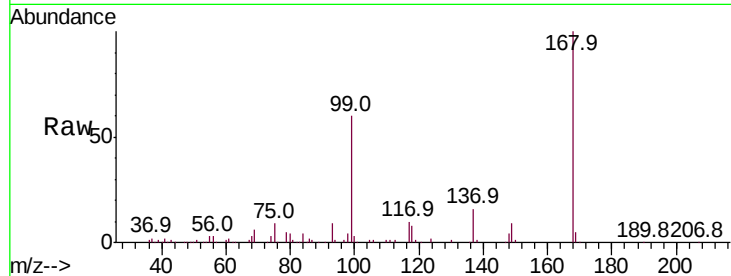
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.01 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
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ClientSampleId :
ICVVD071519

Tot Ion	Ratio	Lower	Upper
168	100		
99	59.9	50.8	76.2

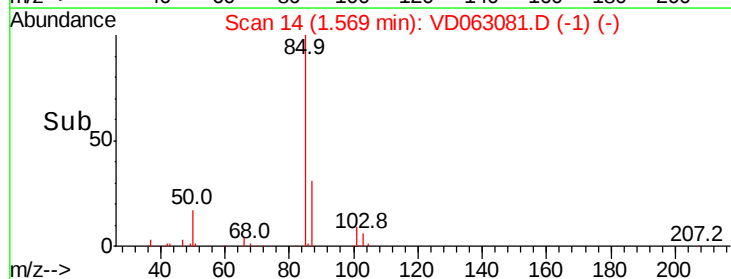
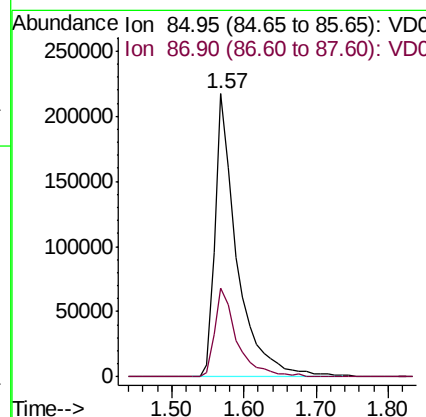
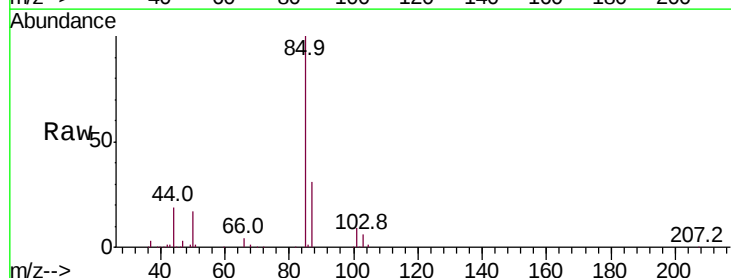
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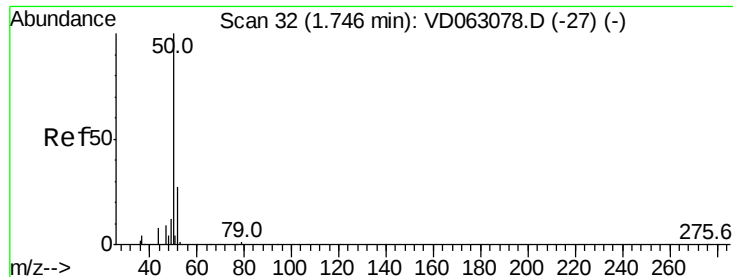
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#2
Dichlorodifluoromethane
Concen: 55.933 ug/l
RT: 1.57 min Scan# 14
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.9	47.7





#3

Chloromethane

Concen: 50.309 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD071519

Tot Ion: 50 Resp: 346765

Ion Ratio Lower Upper

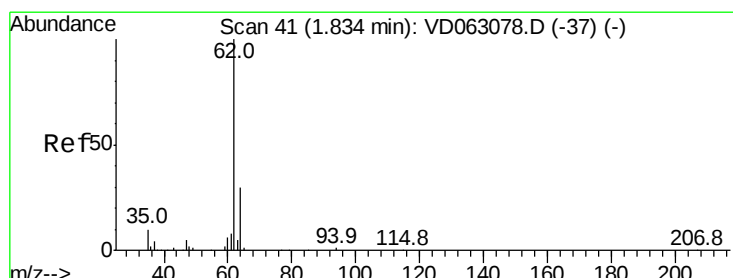
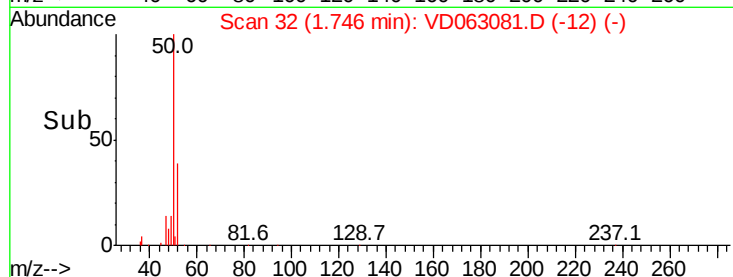
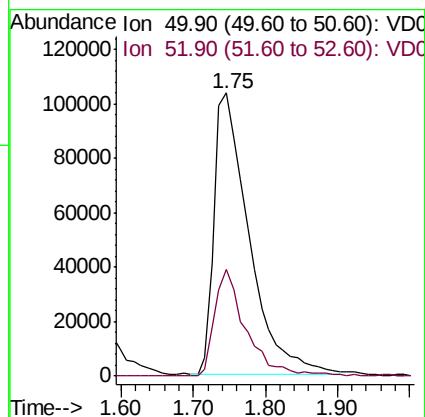
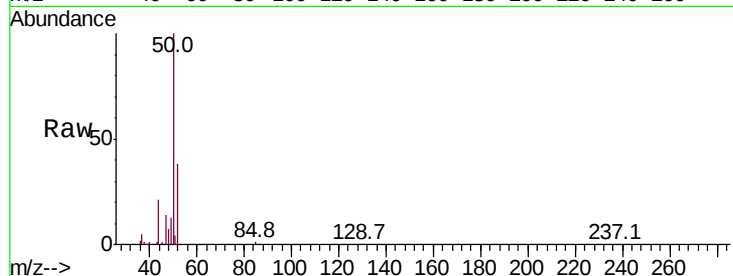
50 100

52 37.9 21.4 32.2#

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#4

Vinyl Chloride

Concen: 49.475 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063081.D

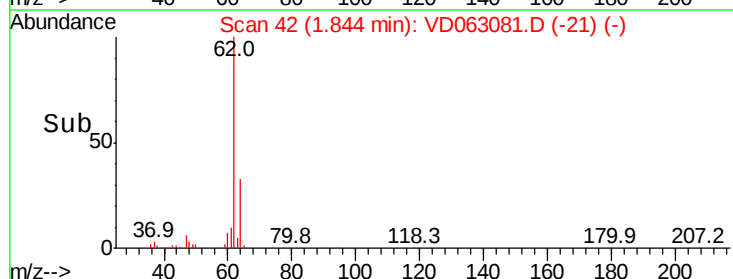
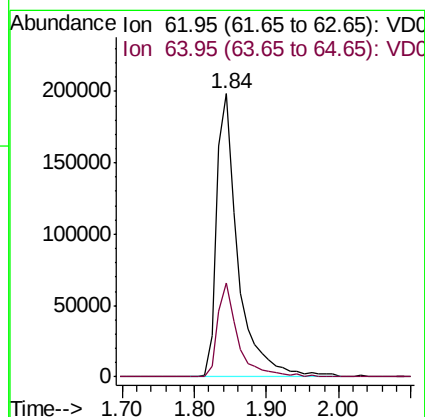
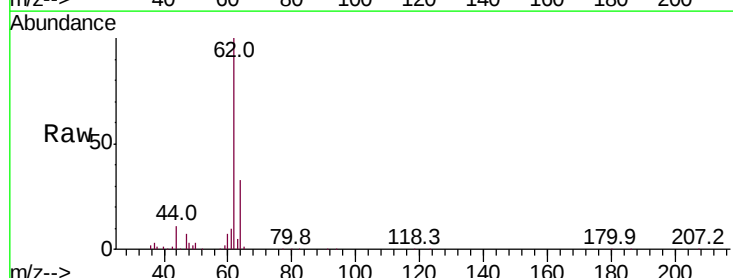
Acq: 15 Jul 2019 15:32

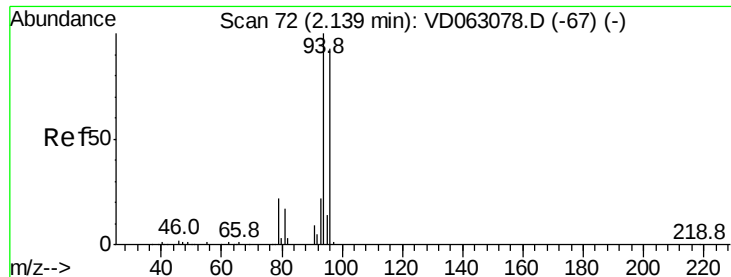
Tgt Ion: 62 Resp: 402251

Ion Ratio Lower Upper

62 100

64 33.0 24.4 36.6





#5

Bromomethane

Concen: 58.742 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

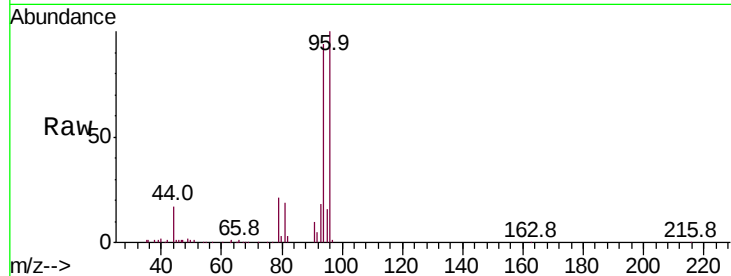
ClientSampleId :

ICVVD071519

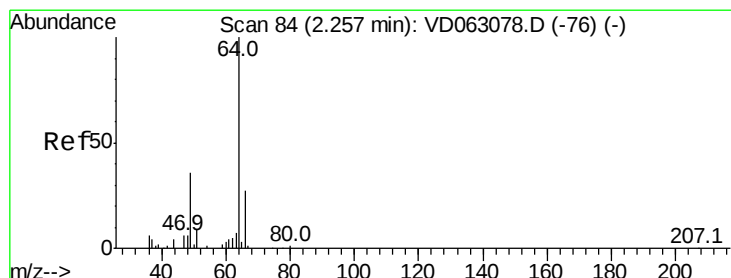
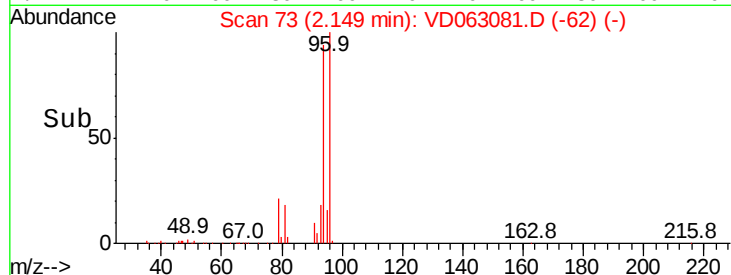
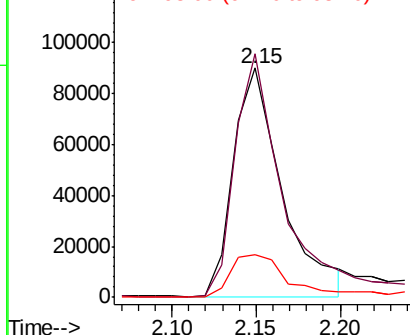
Tot Ion	Ratio	Lower	Upper
94	100		
96	106.1	74.2	111.2
93	18.8	17.8	26.6

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Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 50.284 ug/l

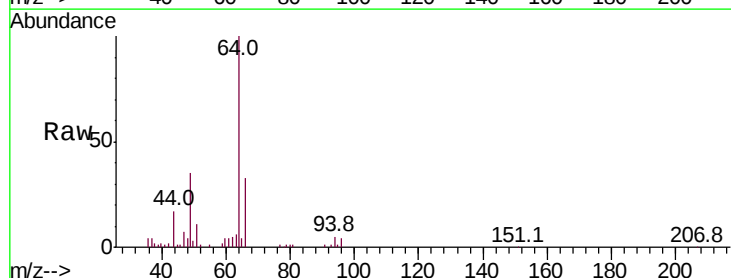
RT: 2.27 min Scan# 85

Delta R.T. 0.01 min

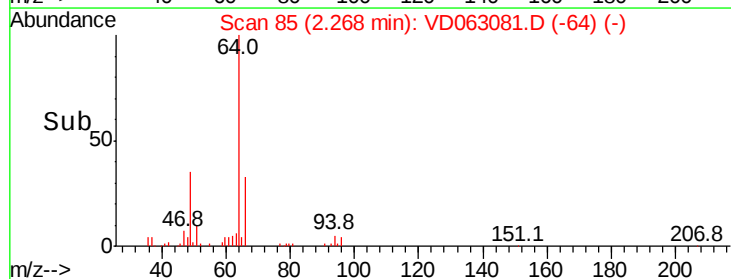
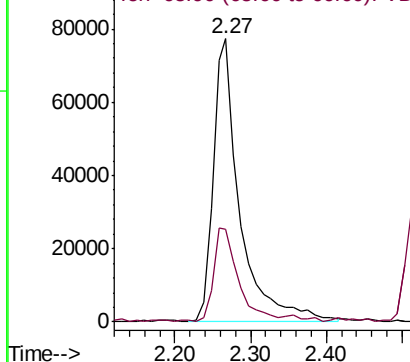
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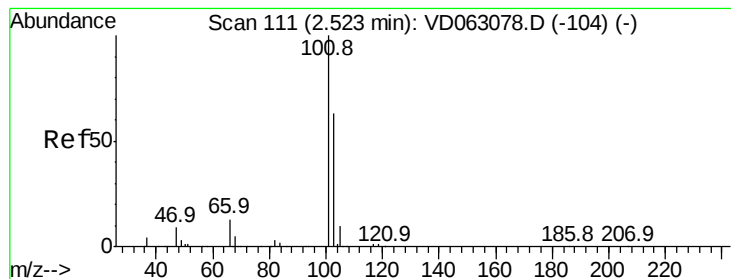
Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Lower	Upper
64	100		
66	32.9	22.5	33.7



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

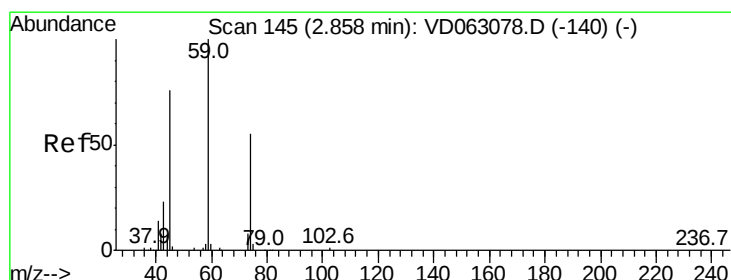
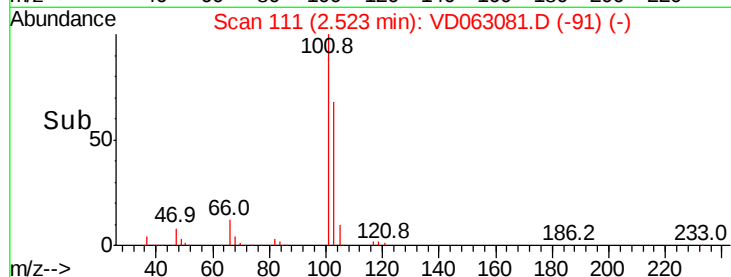
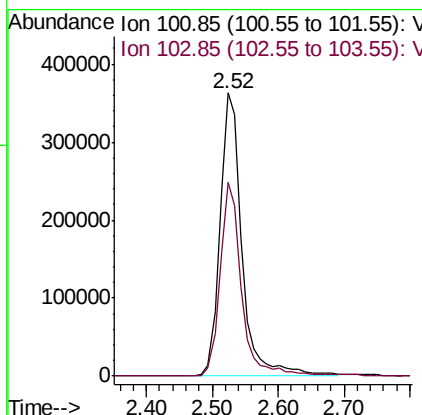
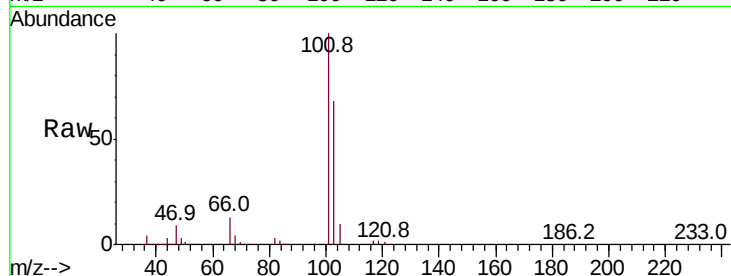
Trichlorofluoromethane
Concen: 51.417 ug/l
RT: 2.52 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	50.6	76.0

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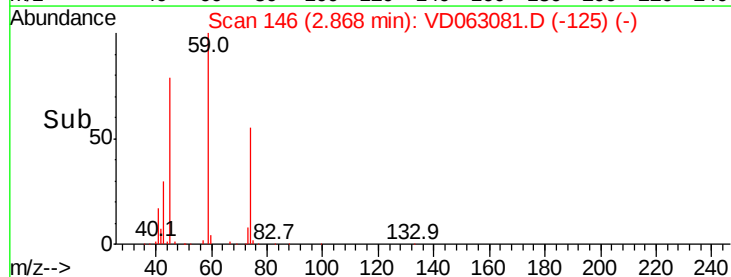
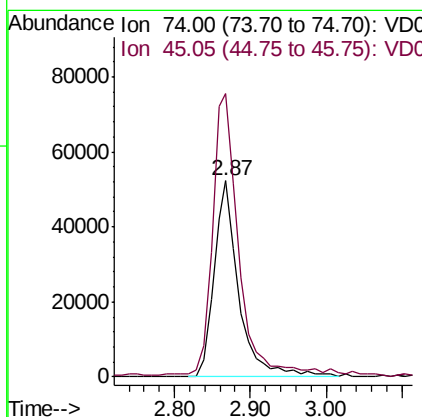
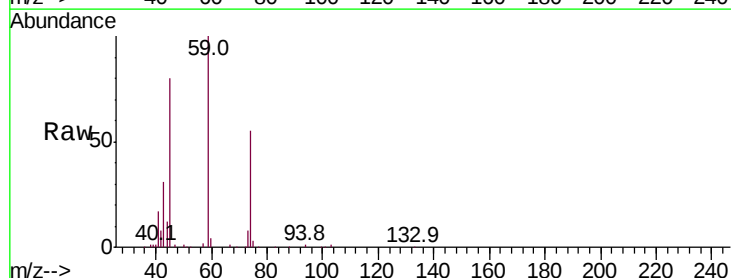
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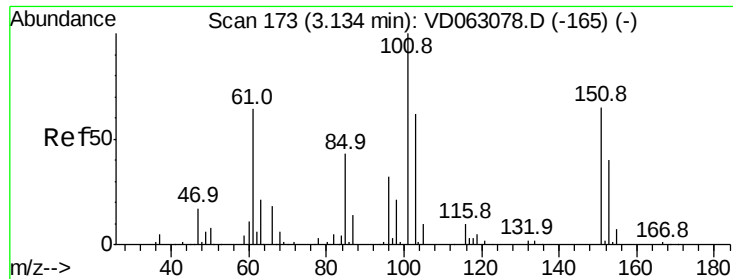


#8

Diethyl Ether
Concen: 51.297 ug/l
RT: 2.87 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	144.2	69.5	208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.668 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

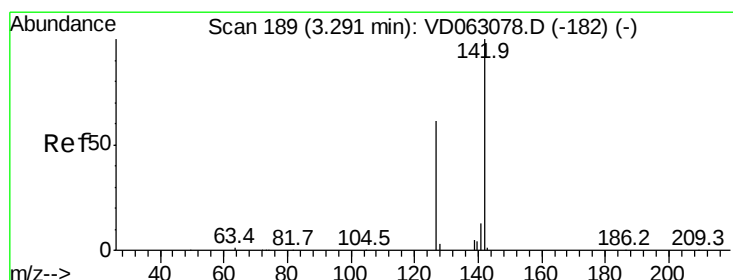
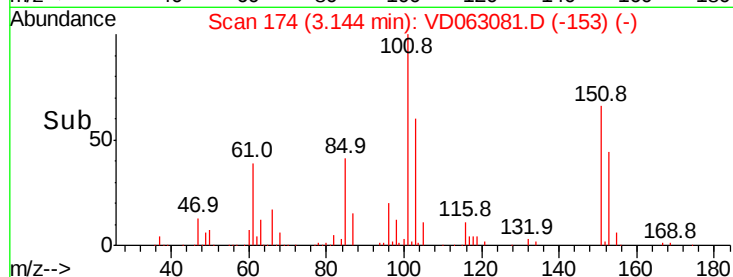
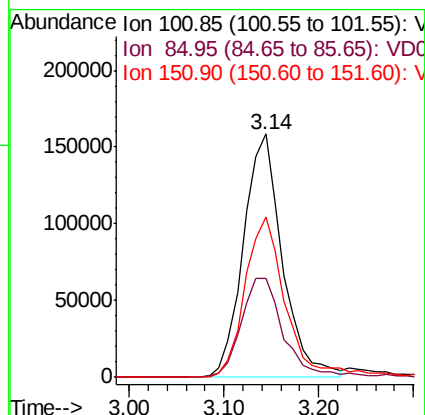
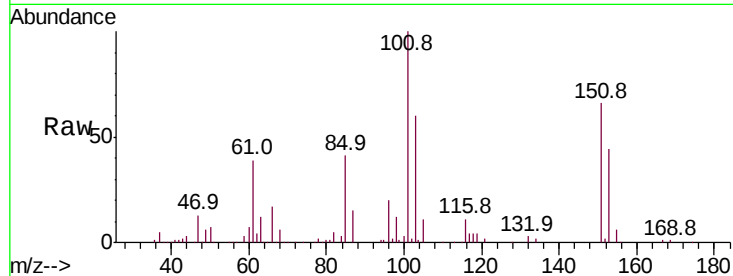
ClientSampleId :

ICVVD071519

Tot Ion:	101	Resp:	452389
Ion Ratio	Lower	Upper	
101	100		
85	40.6	34.6	51.8
151	65.7	52.4	78.6

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#10

Methyl Iodide

Concen: 52.748 ug/l

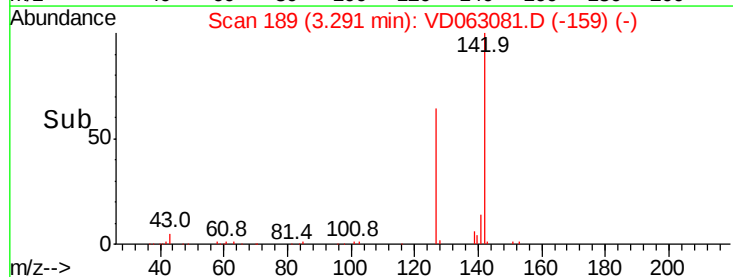
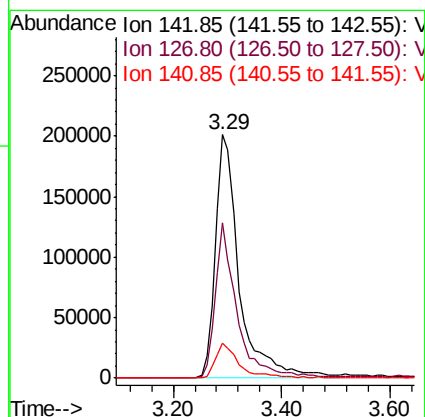
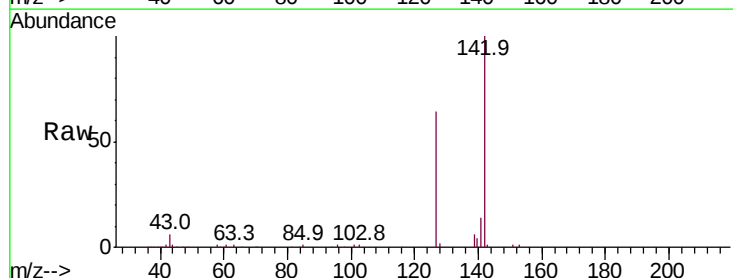
RT: 3.29 min Scan# 189

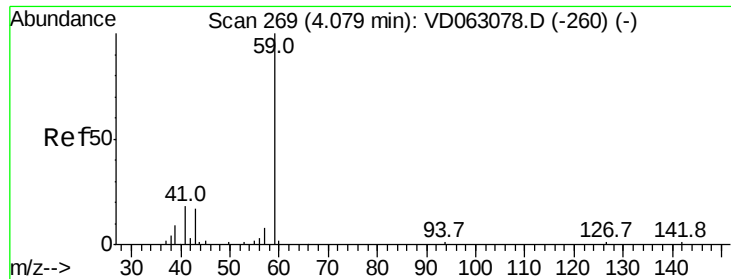
Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Tgt Ion:	142	Resp:	614570
Ion Ratio	Lower	Upper	
142	100		
127	63.6	48.6	73.0
141	14.3	10.6	16.0





#11

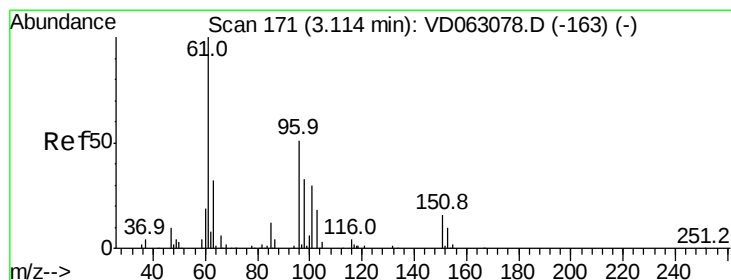
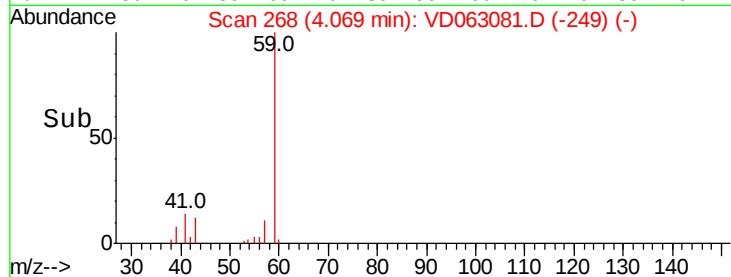
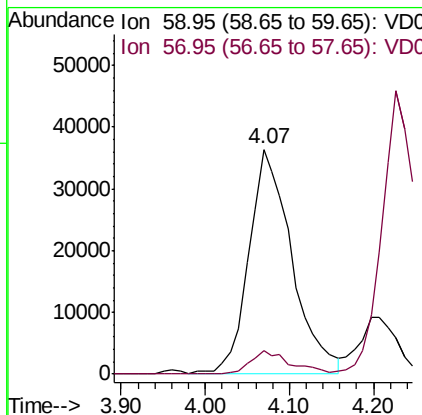
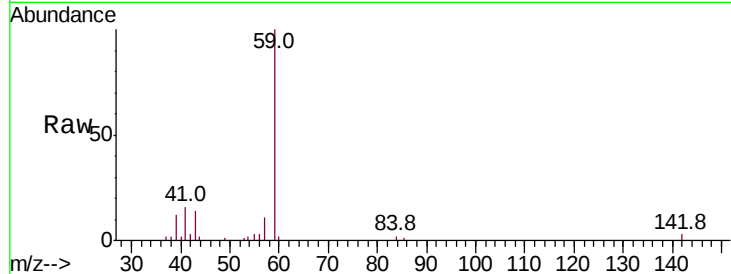
Tert butyl alcohol
Concen: 238.196 ug/l
RT: 4.07 min Scan# 268
Delta R.T. -0.01 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	6.4	9.6#

Manual Integrations
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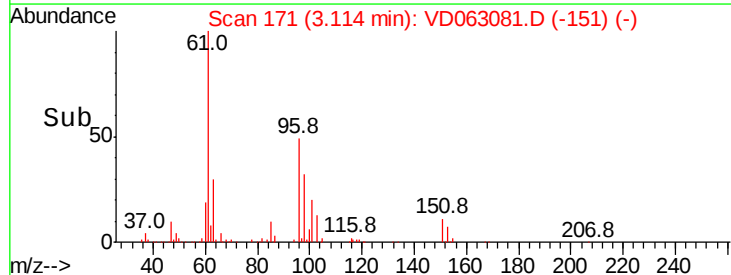
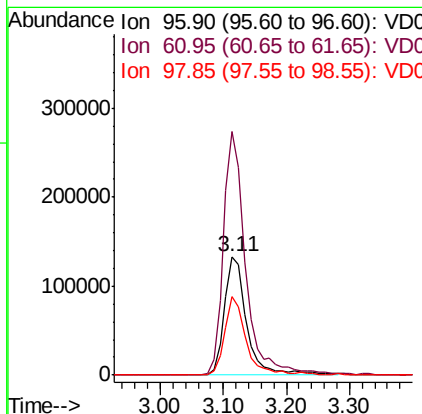
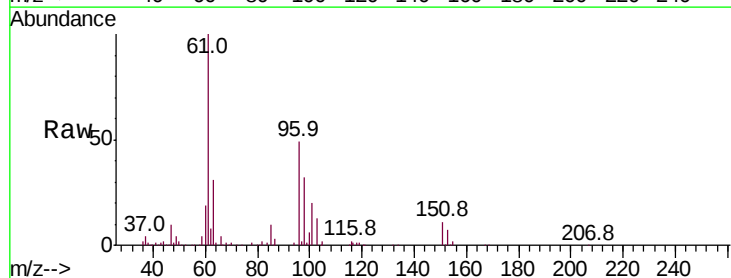
MMDadoda
7/16/2019 9:15:16 AM

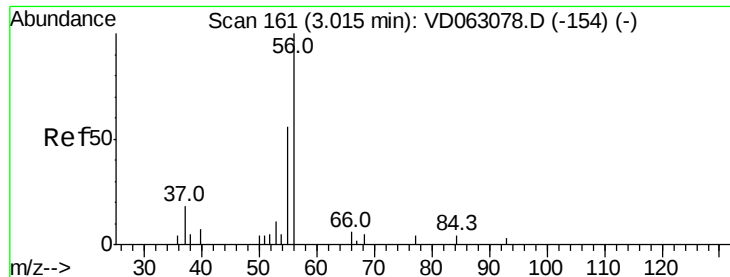


#12

1,1-Dichloroethene
Concen: 49.243 ug/l
RT: 3.11 min Scan# 171
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	205.1	155.5	233.3
98	65.7	51.5	77.3





#13

Acrolein

Concen: 145.380 ug/l

RT: 3.04 min Scan# 163

Delta R.T. 0.02 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD071519

Tot Ion: 56 Resp: 24030

Ion Ratio Lower Upper

56 100

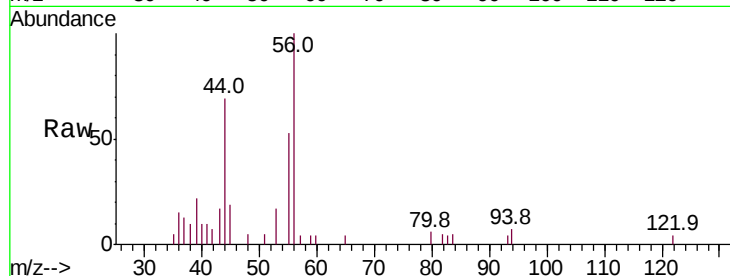
55 53.5 53.0 79.4

Manual Integrations

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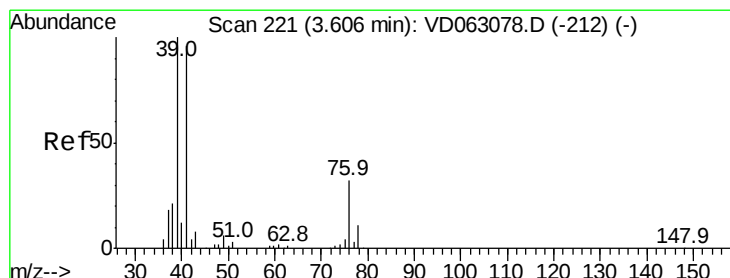
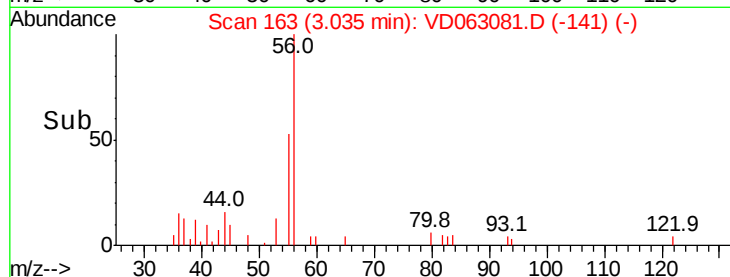
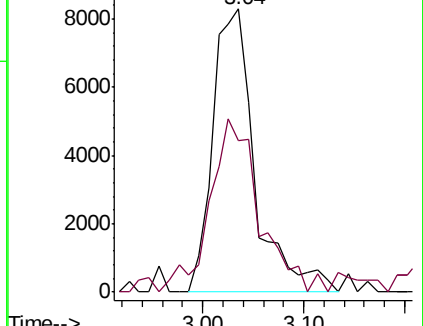
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.743 ug/l

RT: 3.61 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

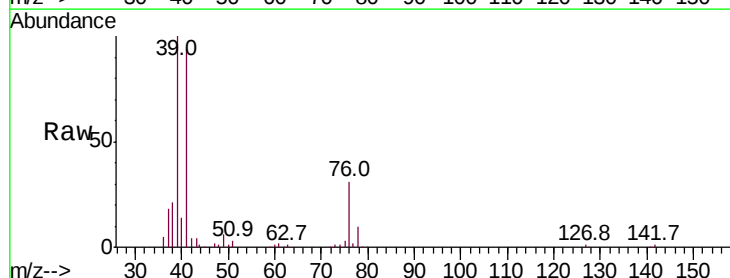
Tgt Ion: 41 Resp: 526869

Ion Ratio Lower Upper

41 100

39 106.0 83.5 125.3

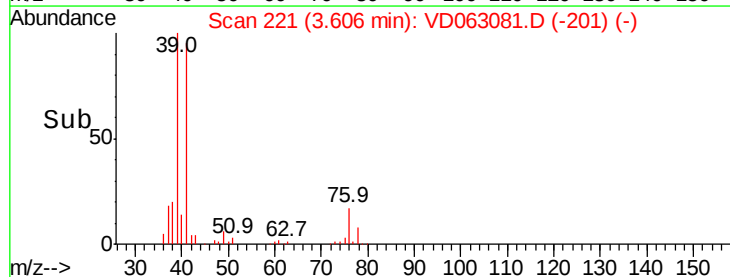
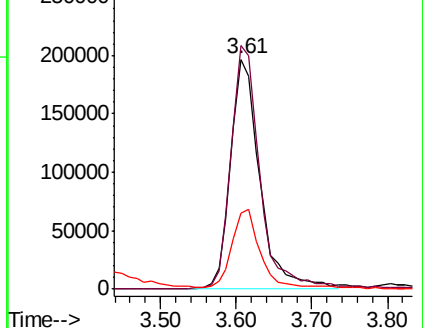
76 33.2 27.8 41.8

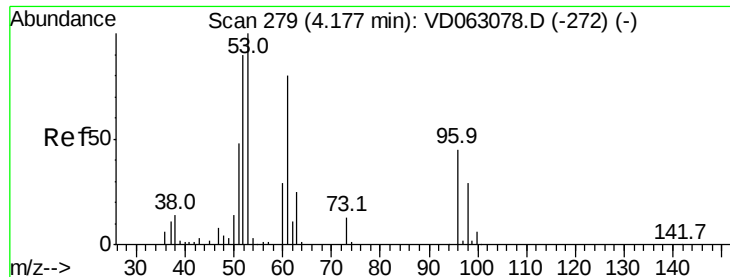


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 252.993 ug/l

RT: 4.19 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

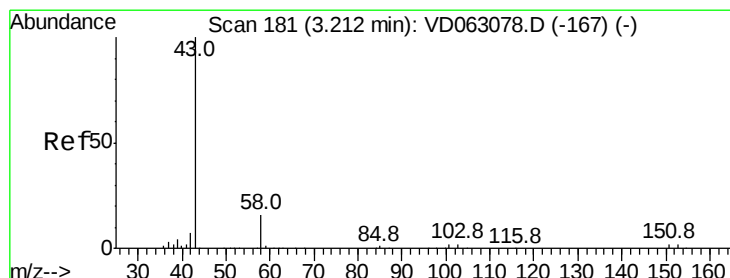
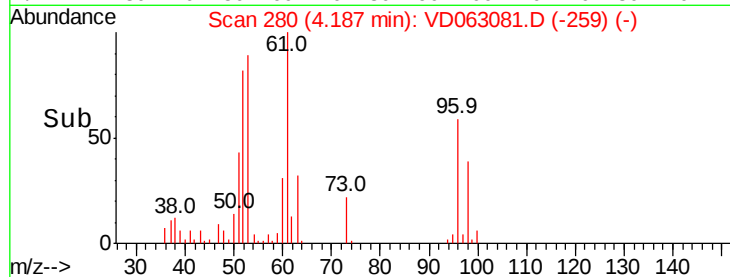
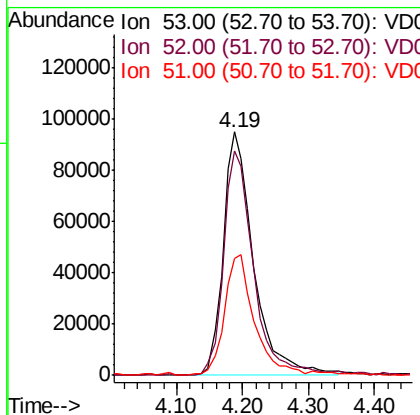
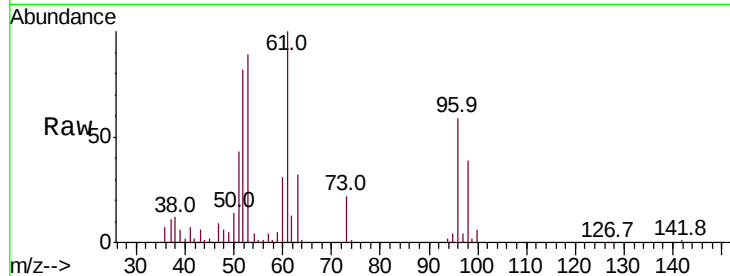
ClientSampleId :

ICVVD071519

Tot Ion:	53	Resp:	306271
Ion Ratio	Lower	Upper	
53	100		
52	92.1	72.3	108.5
51	48.1	38.0	57.0

Manual Integrations
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#16

Acetone

Concen: 254.864 ug/l

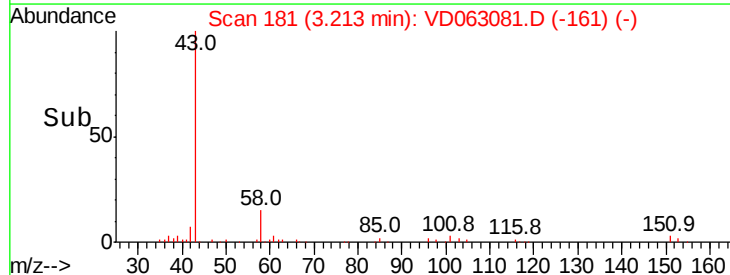
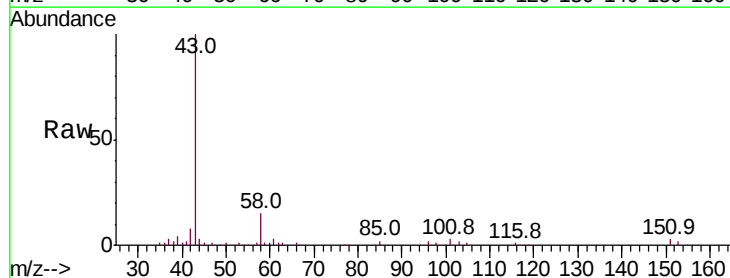
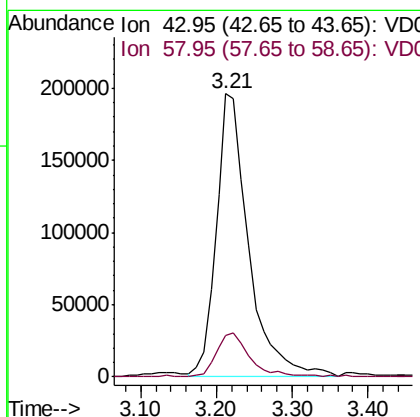
RT: 3.21 min Scan# 181

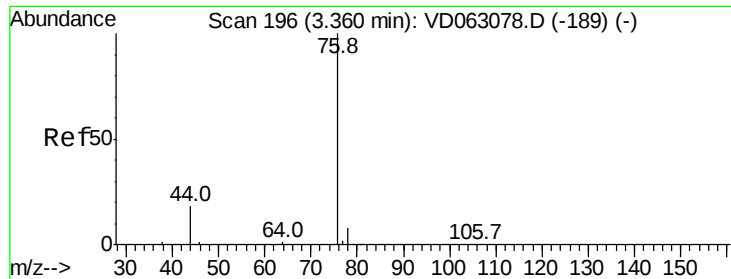
Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Tgt Ion:	43	Resp:	584150
Ion Ratio	Lower	Upper	
43	100		
58	14.8	13.0	19.4





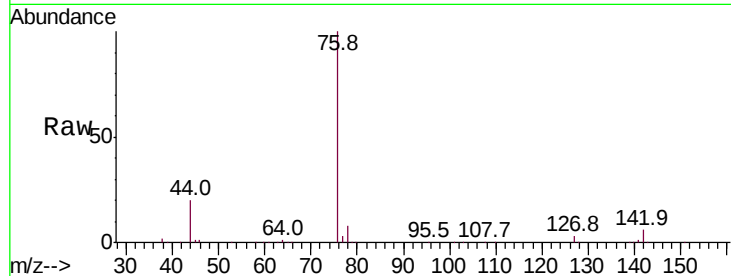
#17
Carbon Disulfide
Concen: 47.506 ug/l
RT: 3.36 min Scan# 196
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

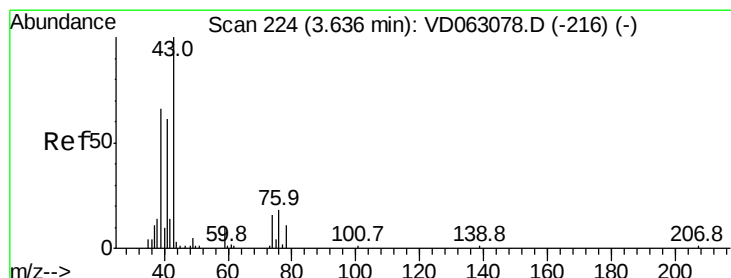
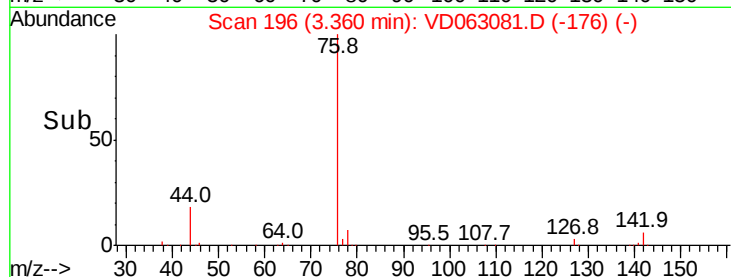
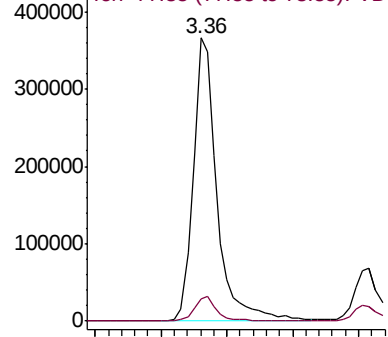
Tot Ion: 76 Resp: 916395
Ion Ratio Lower Upper
76 100
78 7.8 6.7 10.1

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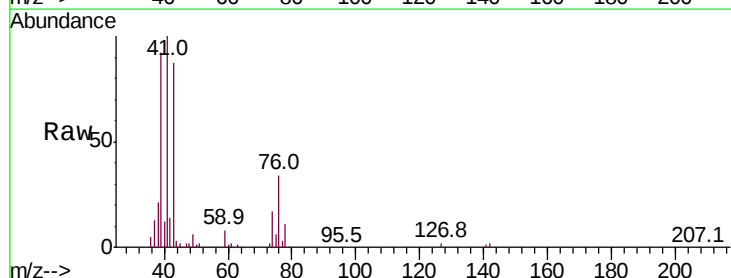


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

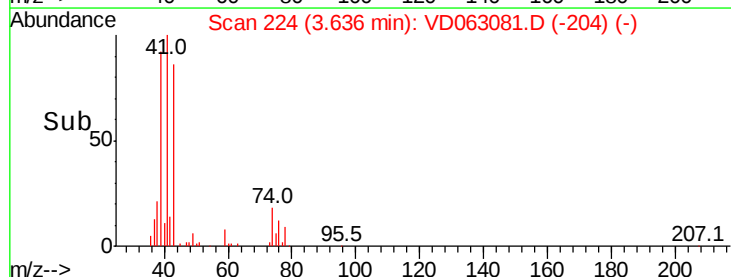
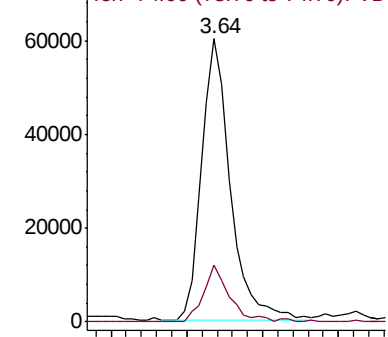


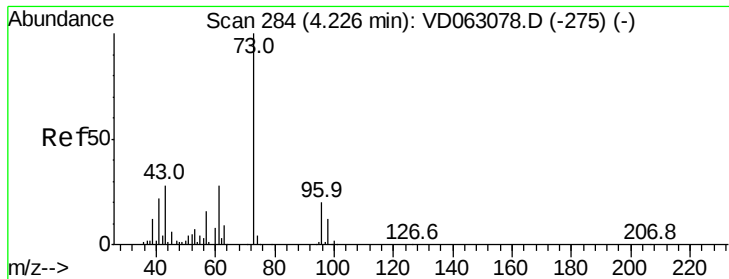
#18
Methyl Acetate
Concen: 51.216 ug/l
RT: 3.64 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion: 43 Resp: 157120
Ion Ratio Lower Upper
43 100
74 20.0 12.5 18.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC





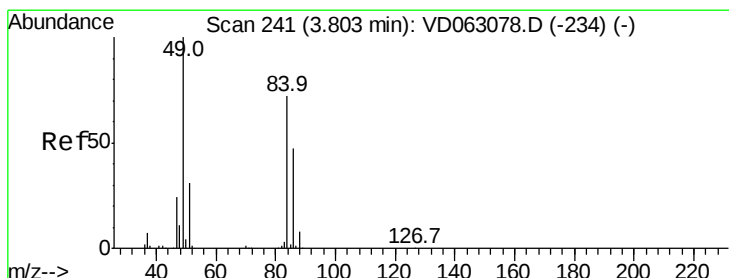
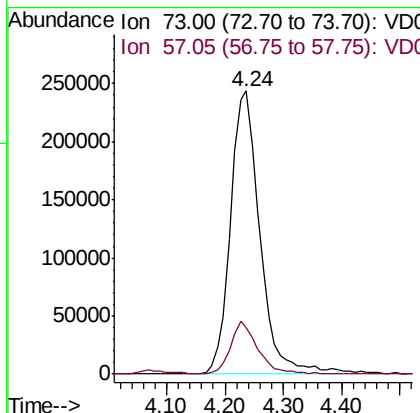
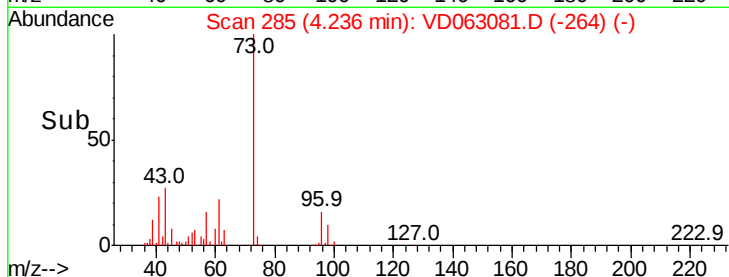
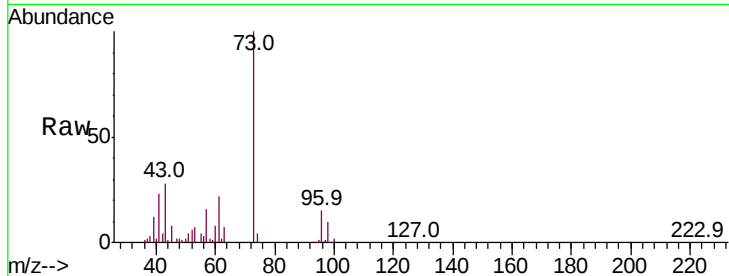
#19
Methyl tert-butyl Ether
Concen: 50.357 ug/l
RT: 4.24 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Tot Ion: 73 Resp: 856676
Ion Ratio Lower Upper
73 100
57 16.3 13.1 19.7

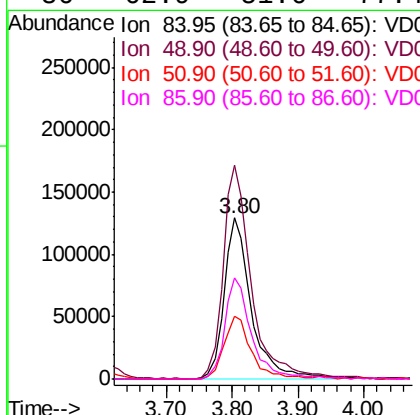
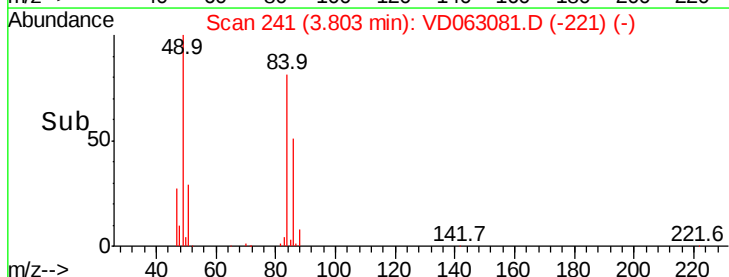
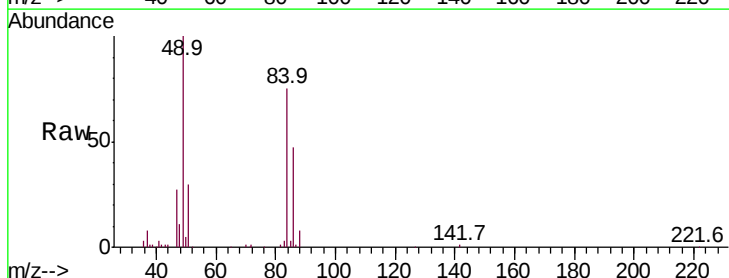
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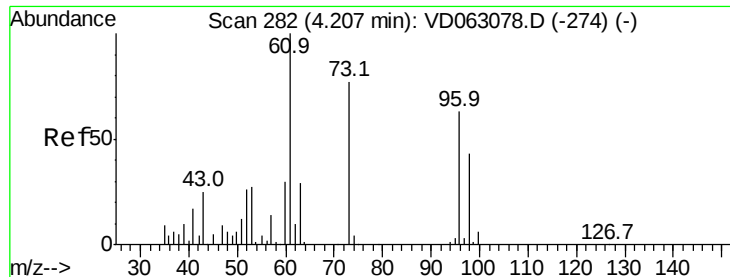
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#20
Methylene Chloride
Concen: 42.982 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion: 84 Resp: 372179
Ion Ratio Lower Upper
84 100
49 132.6 110.5 165.7
51 39.2 34.6 51.8
86 62.9 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 50.301 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD071519

Tot Ion: 96 Resp: 376316

Ion Ratio Lower Upper

96 100

61 161.7 128.0 192.0

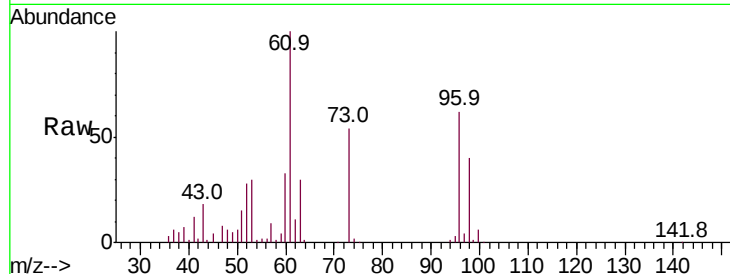
98 65.3 55.2 82.8

Manual Integrations

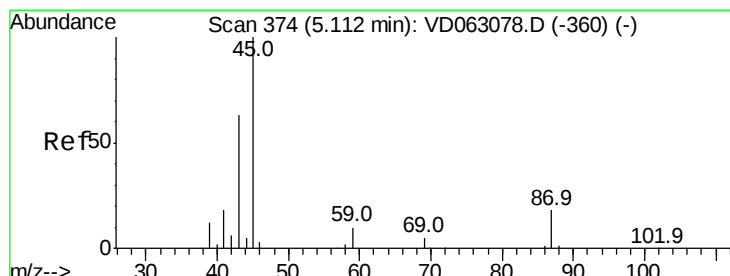
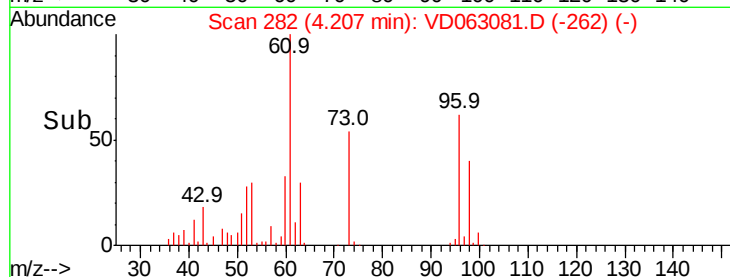
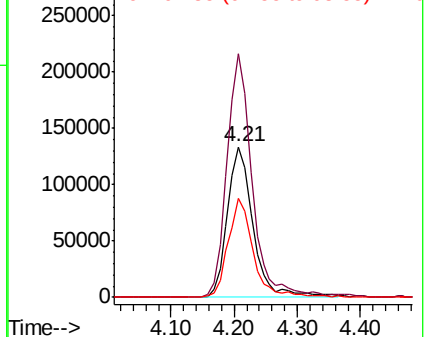
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 52.929 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Tgt Ion: 45 Resp: 1218870

Ion Ratio Lower Upper

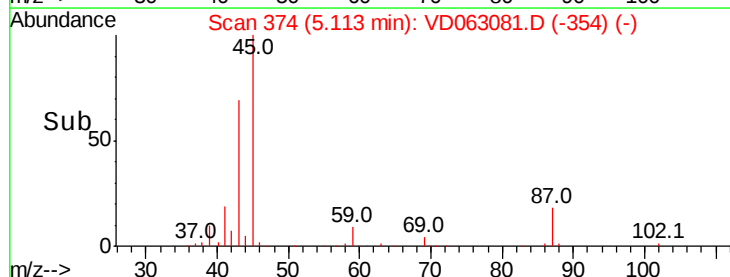
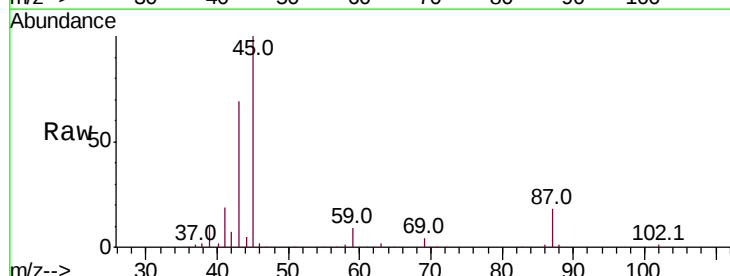
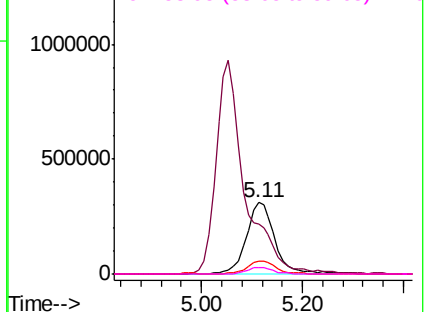
45 100

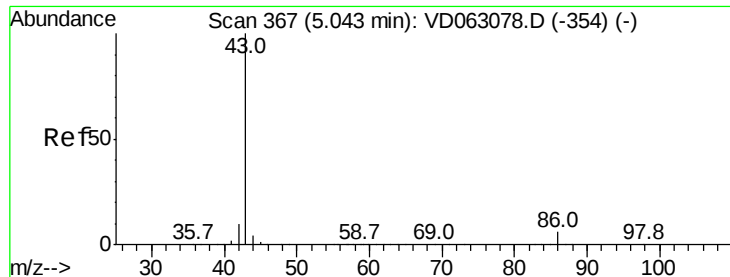
43 69.5 50.5 75.7

87 18.3 15.1 22.7

59 9.1 7.6 11.4

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





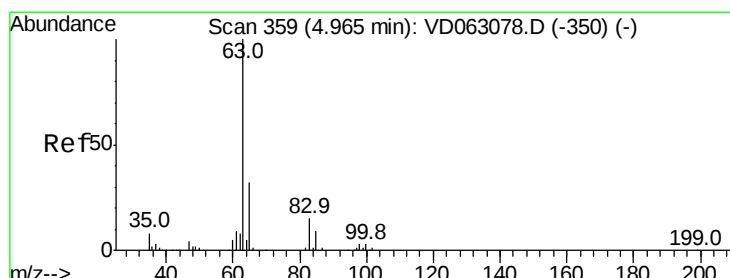
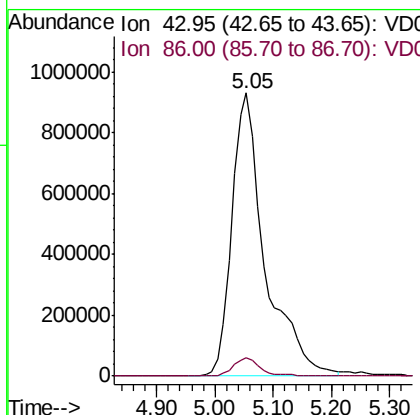
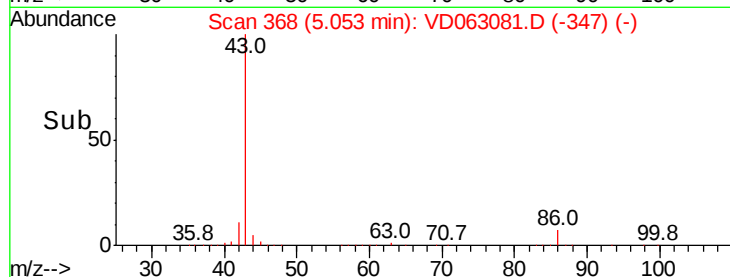
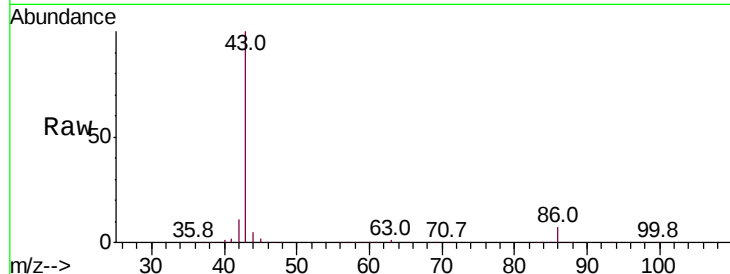
#23
 Vinyl Acetate
 Concen: 273.733 ug/l
 RT: 5.05 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD071519

Tot Ion: 43 Resp: 3677648
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.0 7.6

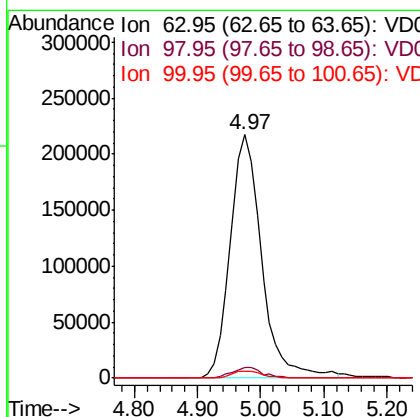
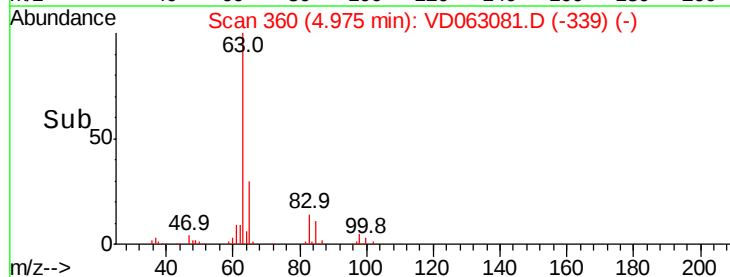
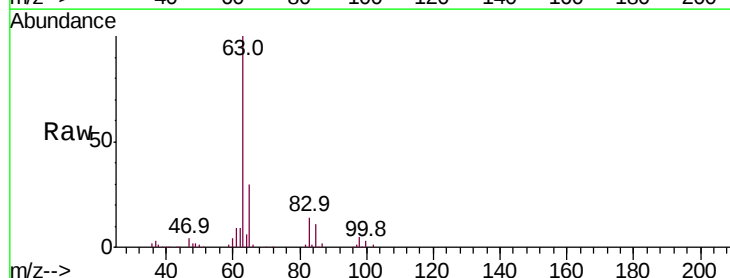
Manual Integrations
 APPROVED

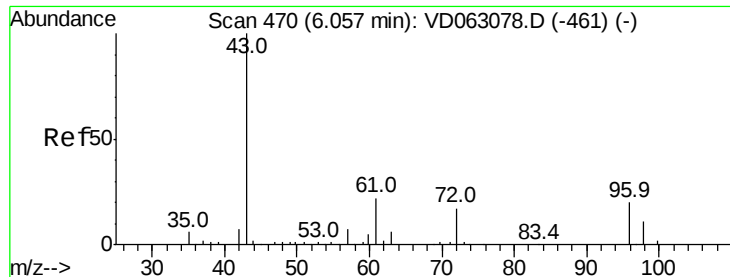
MMDadoda
 7/16/2019 9:15:16 AM



#24
 1,1-Dichloroethane
 Concen: 53.005 ug/l
 RT: 4.97 min Scan# 360
 Delta R.T. 0.01 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Tgt Ion: 63 Resp: 751895
 Ion Ratio Lower Upper
 63 100
 98 4.6 1.7 5.1
 100 2.7 1.5 4.5





#25

2-Butanone

Concen: 246.979 ug/l

RT: 6.07 min Scan# 471

Delta R.T. 0.01 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD071519

Tot Ion: 43 Resp: 540558

Ion Ratio Lower Upper

43 100

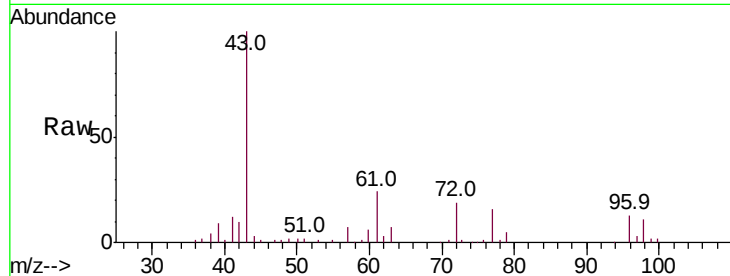
72 19.1 13.4 20.0

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.07

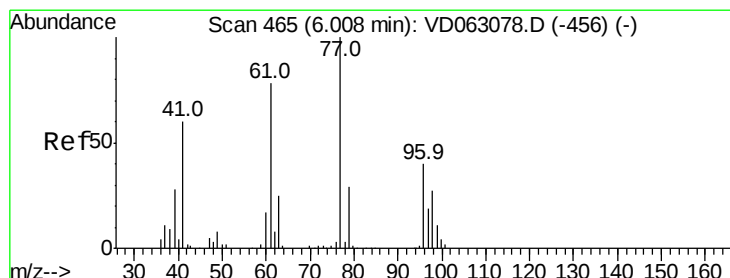
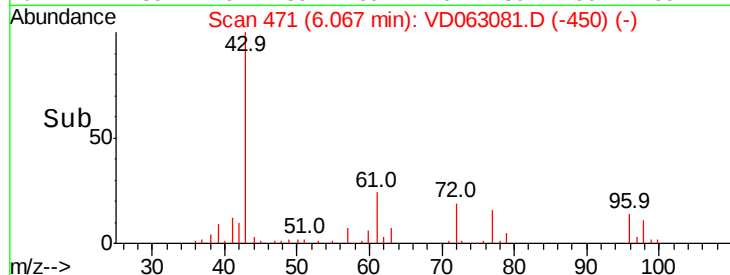
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#26

2,2-Dichloropropane

Concen: 51.497 ug/l

RT: 6.01 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD063081.D

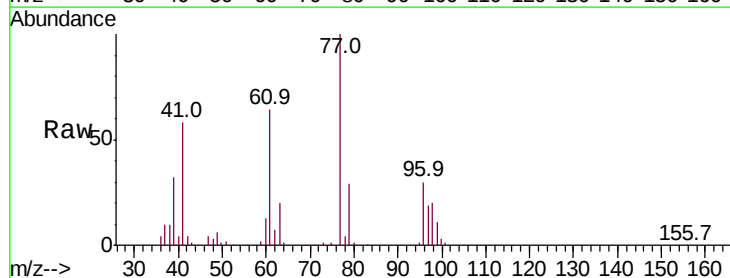
Acq: 15 Jul 2019 15:32

Tgt Ion: 77 Resp: 808460

Ion Ratio Lower Upper

77 100

97 18.9 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.01

250000

200000

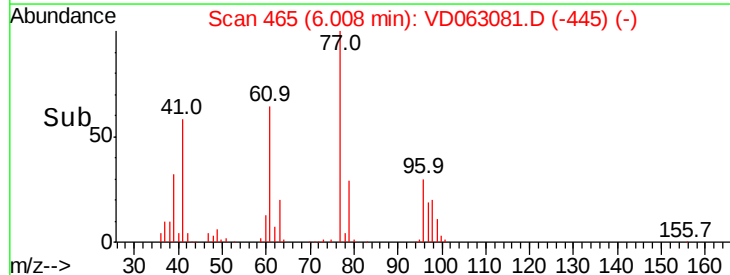
150000

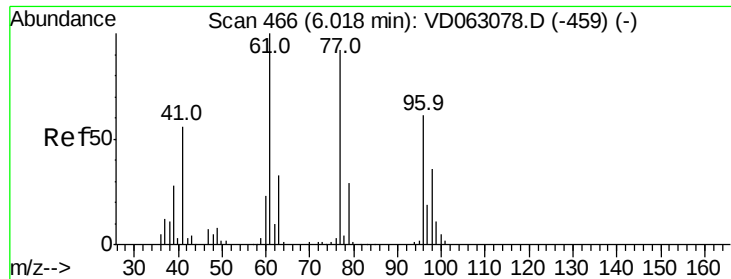
100000

50000

0

Time--> 5.90 6.00 6.10 6.20





#27

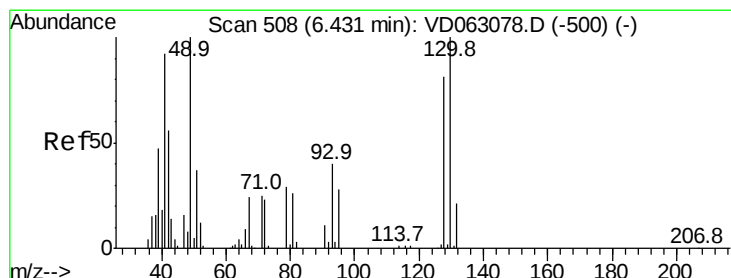
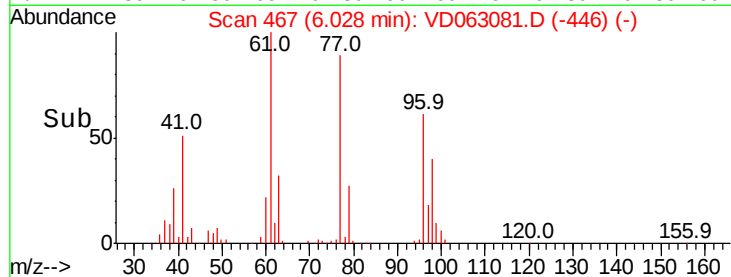
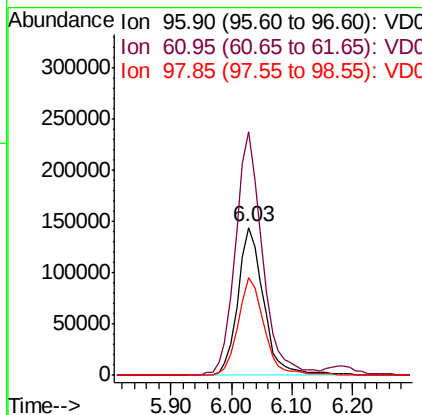
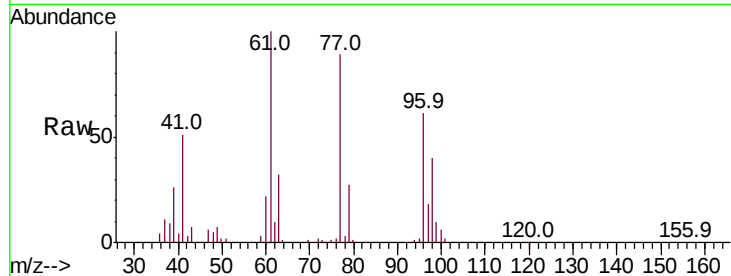
cis-1,2-Dichloroethene
Concen: 50.386 ug/l
RT: 6.03 min Scan# 467
Delta R.T. 0.01 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.9	0.0	329.6
98	66.1	0.0	118.4

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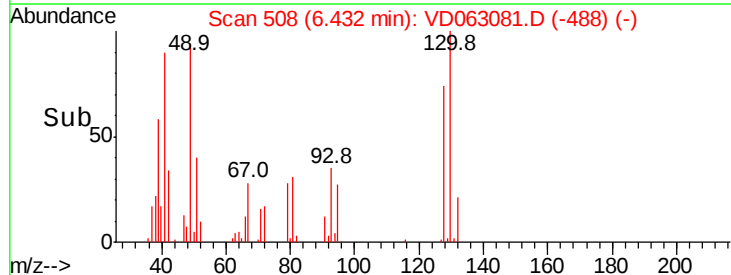
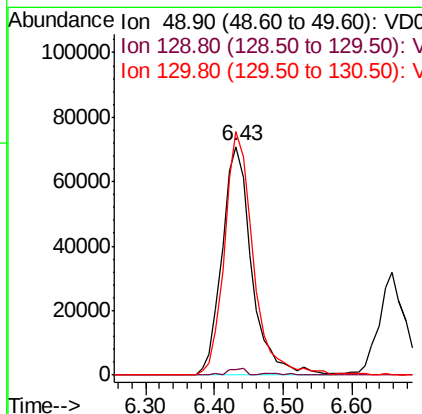
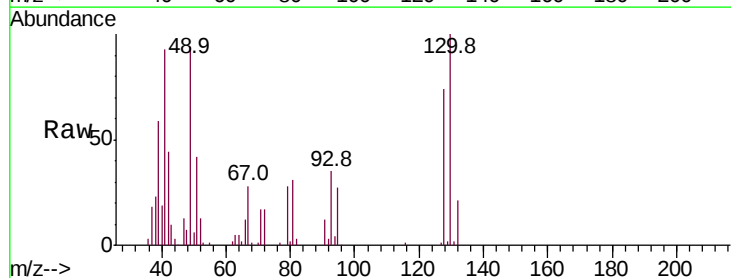
MMDadoda
7/16/2019 9:15:16 AM

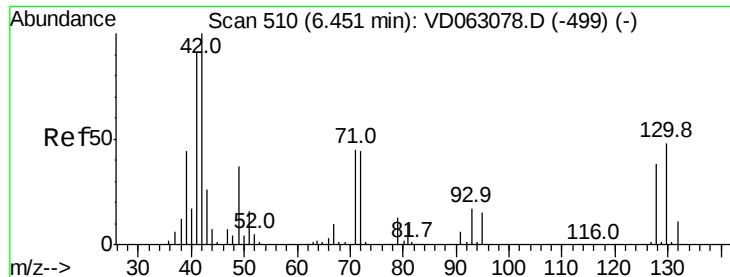


#28

Bromochloromethane
Concen: 41.156 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.6
130	106.5	80.3	120.5





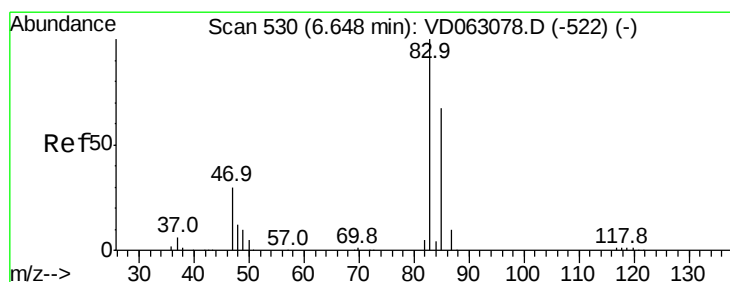
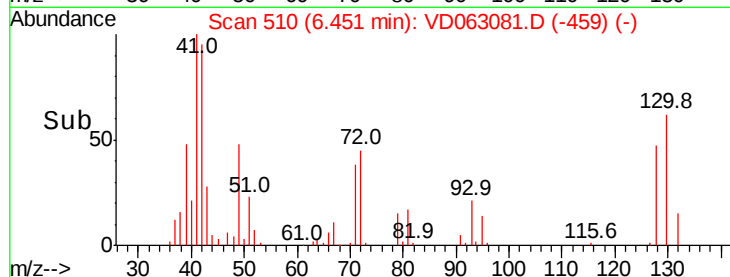
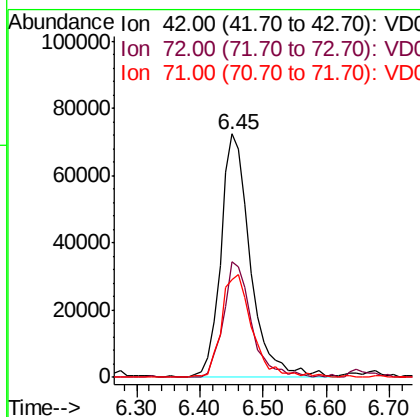
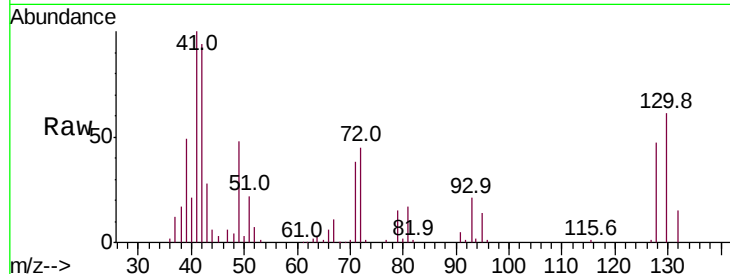
#29
Tetrahydrofuran
Concen: 237.205 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	33.7	50.5
71	43.9	34.2	51.2

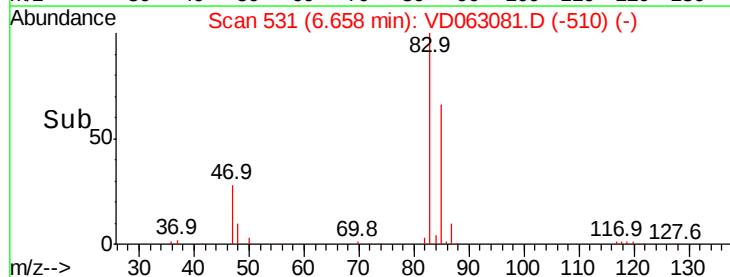
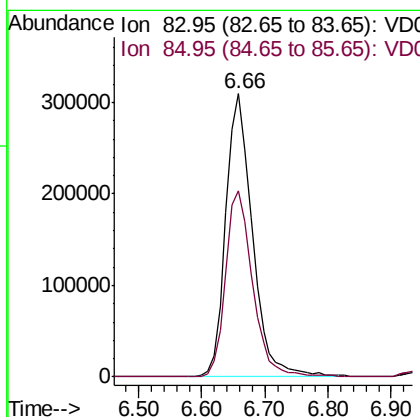
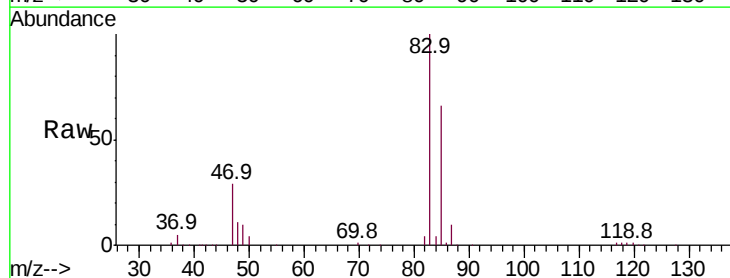
Manual Integrations
APPROVED

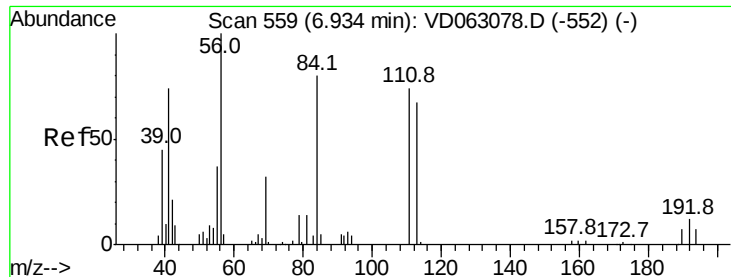
MMDadoda
7/16/2019 9:15:16 AM



#30
Chloroform
Concen: 51.833 ug/l
RT: 6.66 min Scan# 531
Delta R.T. 0.01 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.8	80.8





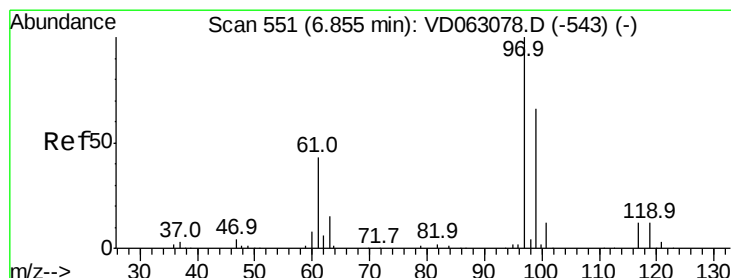
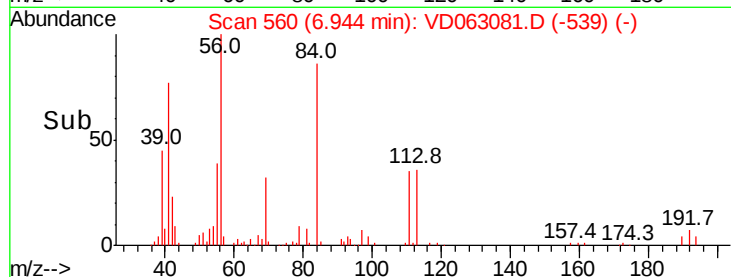
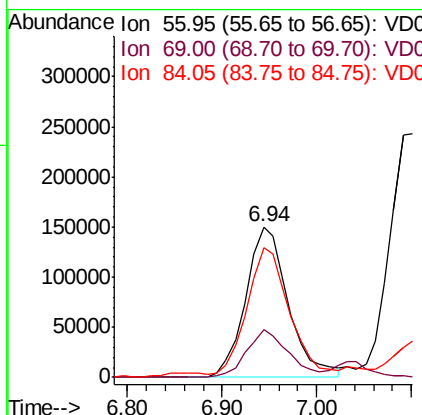
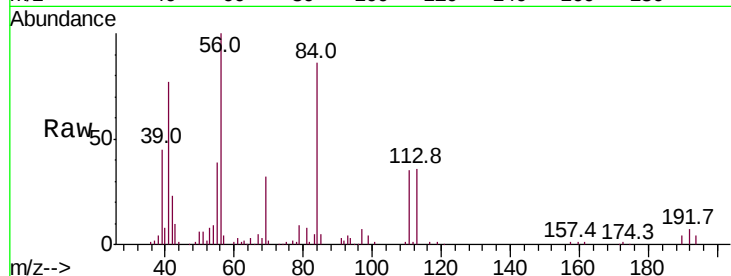
#31
Cyclohexane
Concen: 51.764 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.3	37.9
84	85.8	64.2	96.4

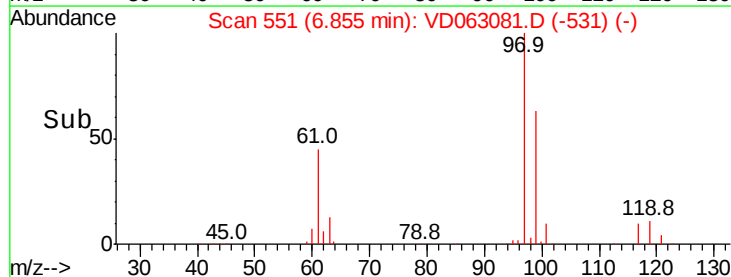
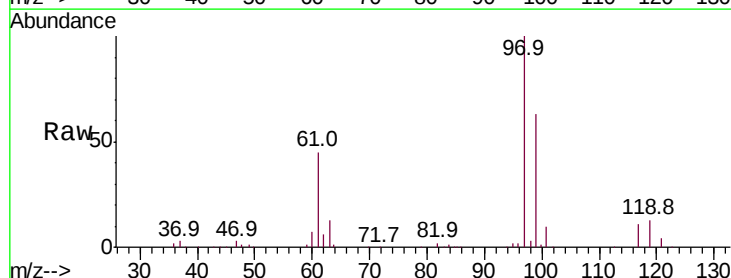
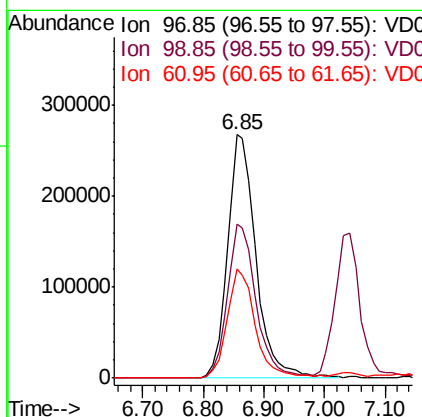
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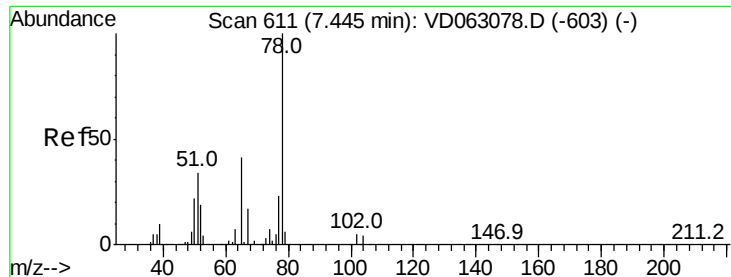
MMDadoda
7/16/2019 9:15:16 AM



#32
1,1,1-Trichloroethane
Concen: 50.247 ug/l
RT: 6.85 min Scan# 551
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.9	79.3
61	45.0	34.4	51.6





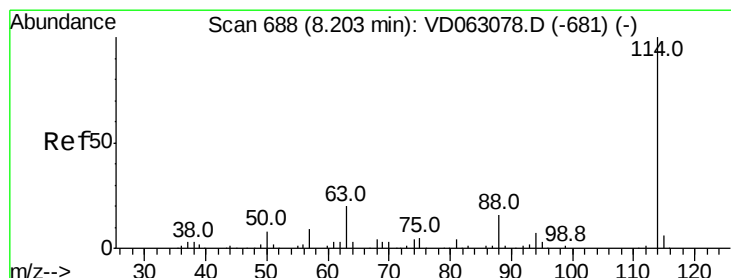
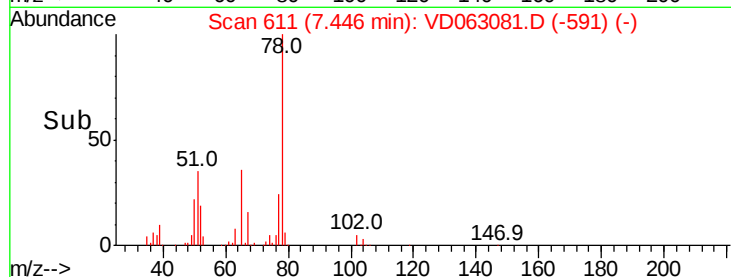
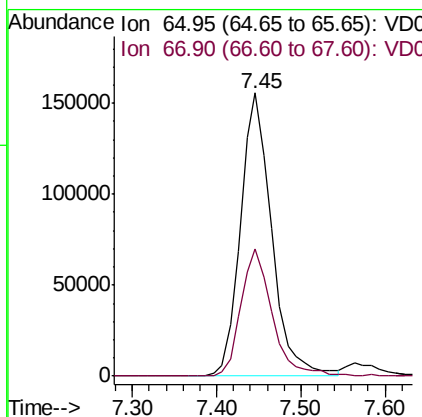
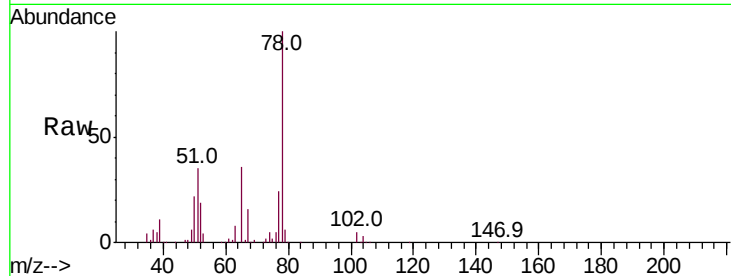
#33
 1,2-Dichloroethane-d4
 Concen: 42.395 ug/l
 RT: 7.45 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD071519

Tot Ion: 65 Resp: 402313
 Ion Ratio Lower Upper
 65 100
 67 45.0 0.0 86.0

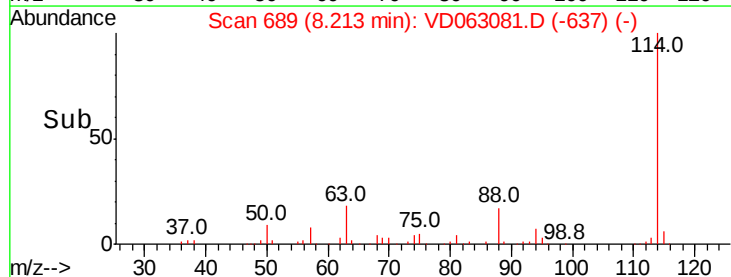
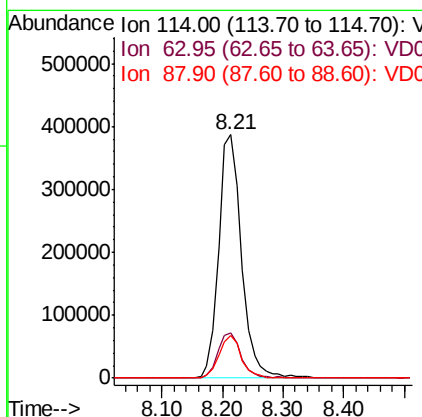
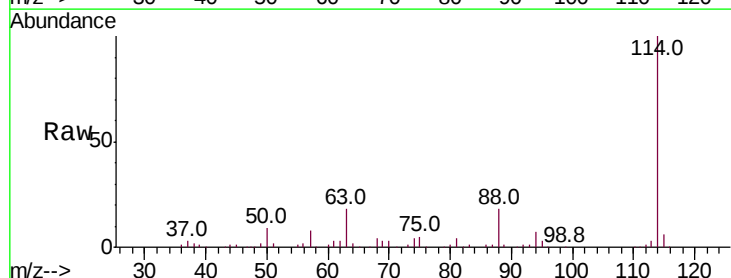
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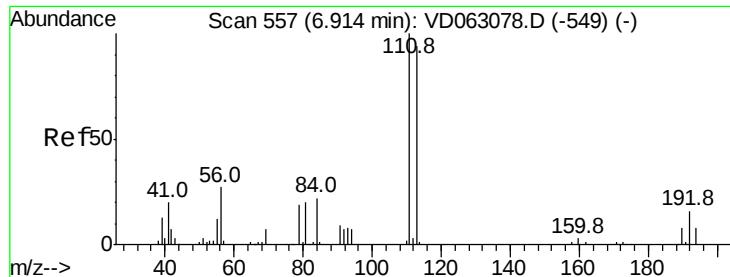
MMDadoda
 7/16/2019 9:15:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Tgt Ion: 114 Resp: 1012278
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 40.6
 88 17.6 0.0 32.6





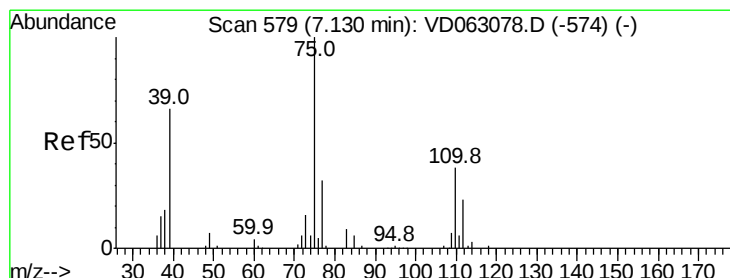
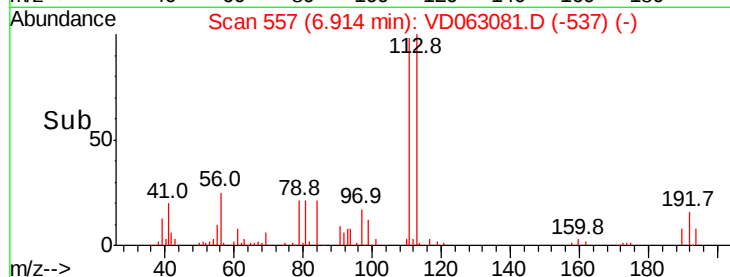
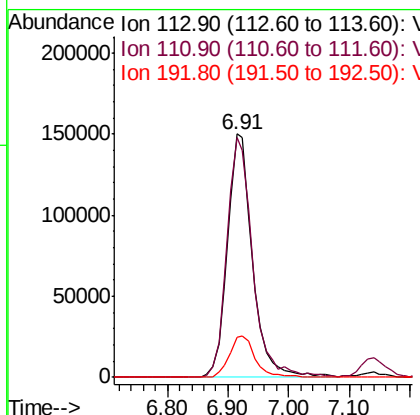
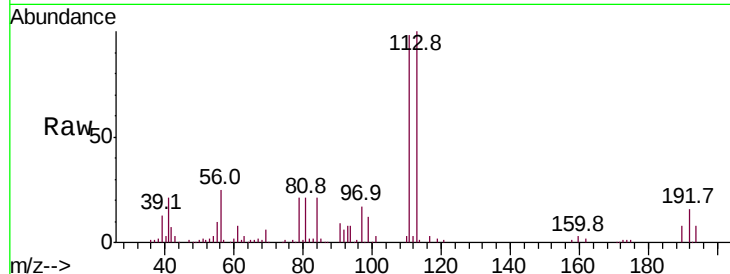
#35
 Dibromofluoromethane
 Concen: 42.752 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD071519

Tot Ion	Ratio	Resp	Lower	Upper
113	100	431045		
111	98.4	84.8	127.2	
192	16.3	13.4	20.0	

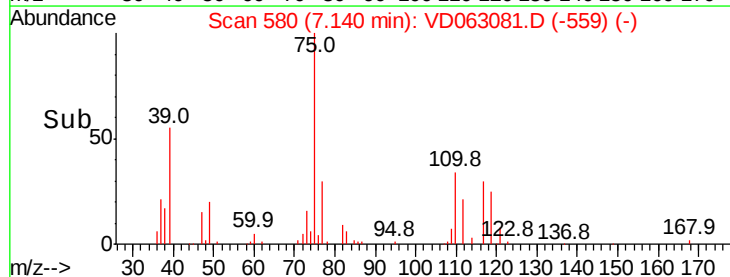
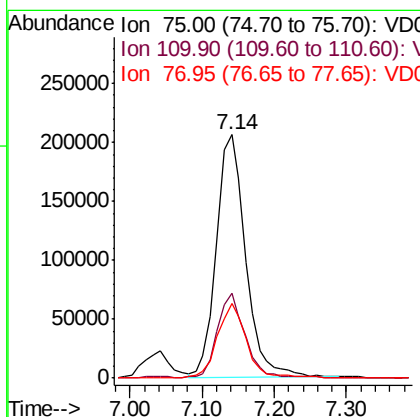
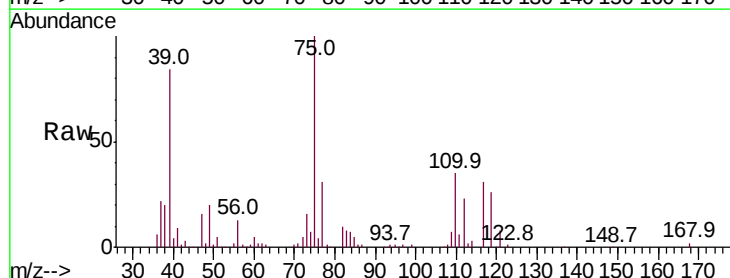
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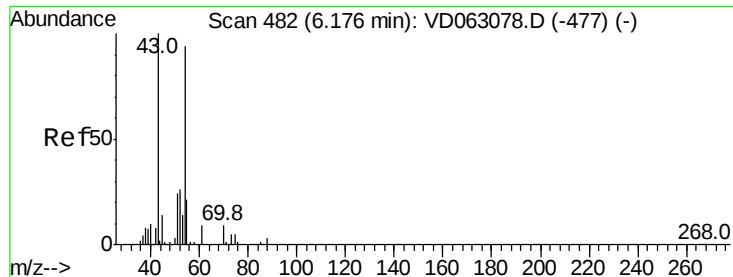
MMDadoda
 7/16/2019 9:15:16 AM



#36
 1,1-Dichloropropene
 Concen: 50.924 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	579769		
110	34.9	18.9	56.5	
77	30.6	25.2	37.8	





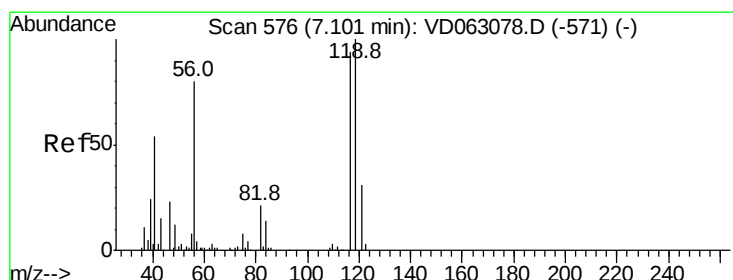
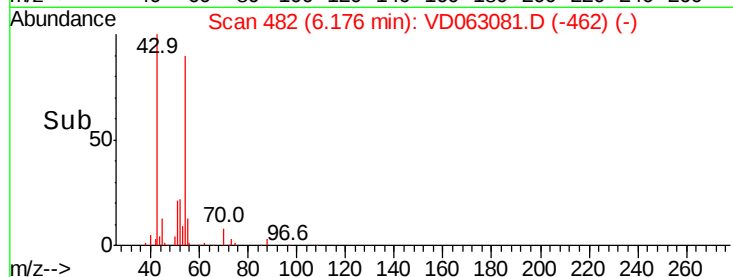
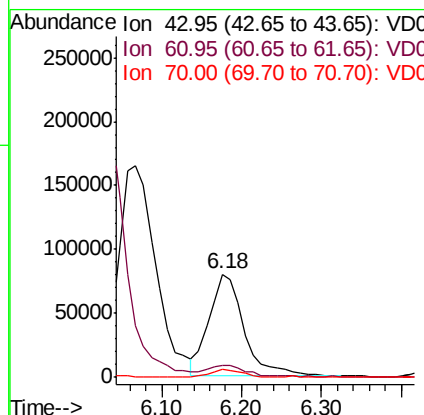
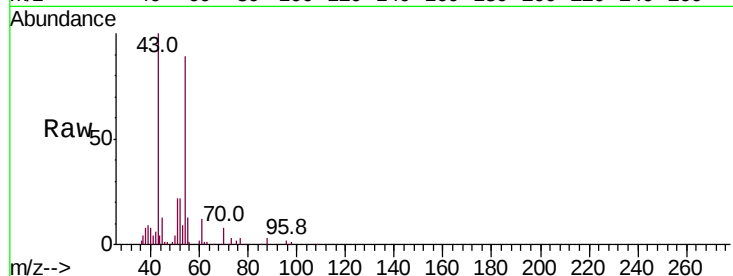
#37
Ethyl Acetate
Concen: 50.472 ug/l
RT: 6.18 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	10.6	16.0
70	7.8	6.6	9.8

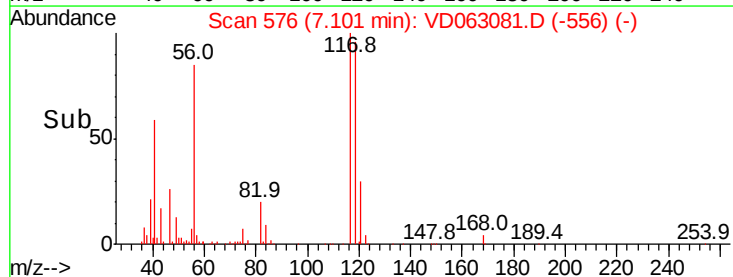
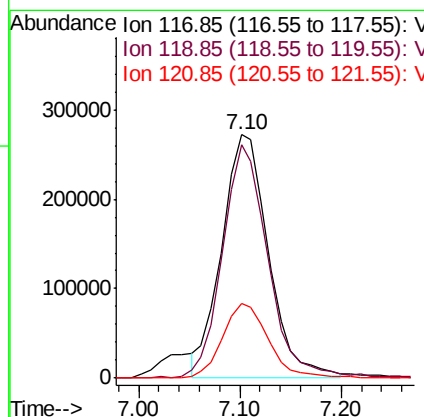
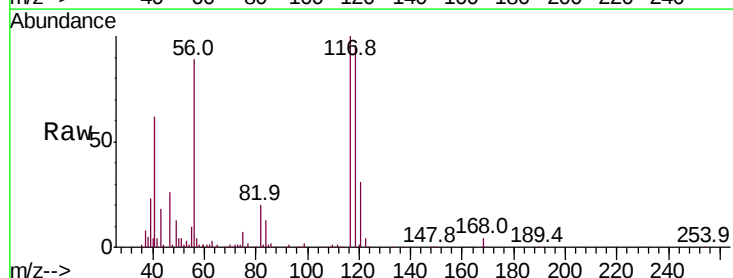
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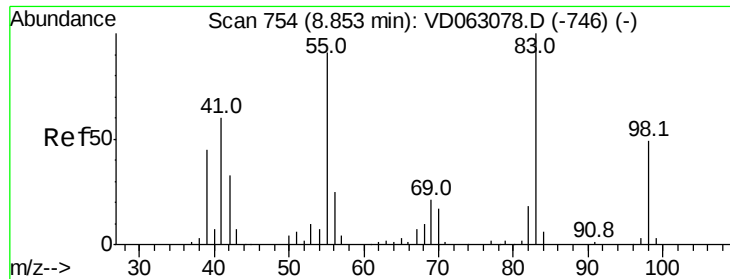
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7/16/2019 9:15:16 AM



#38
Carbon Tetrachloride
Concen: 50.844 ug/l m
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	80.0	120.0
121	30.5	25.0	37.4





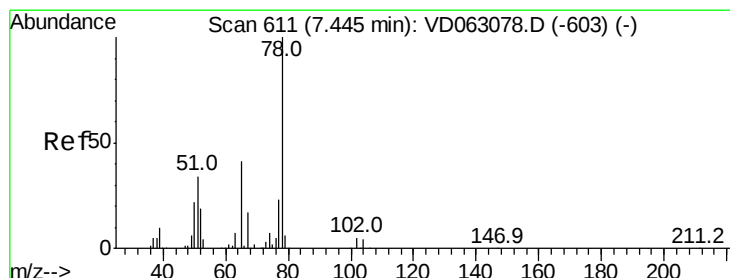
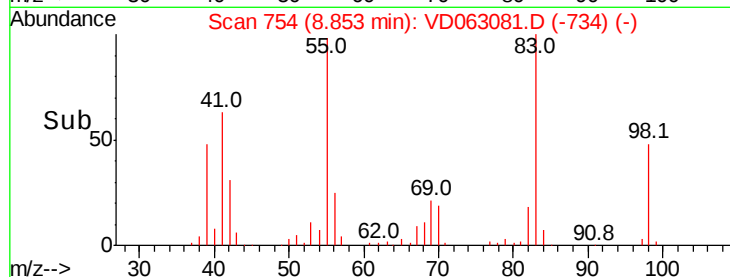
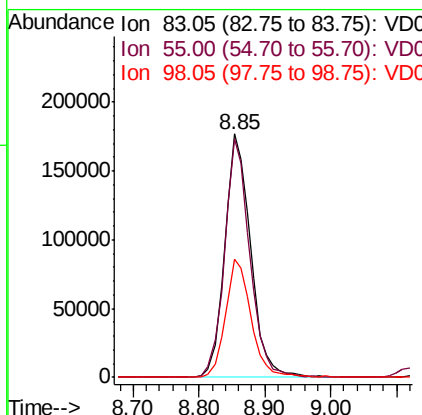
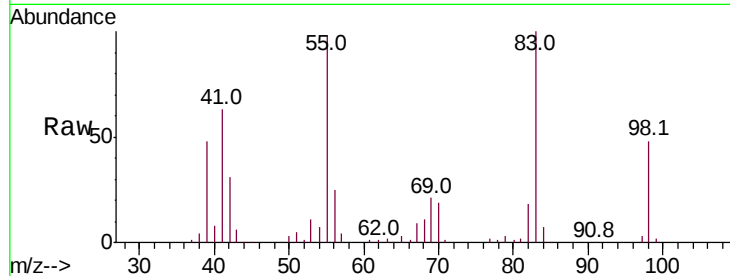
#39
Methvlcvclohexane
Concen: 49.492 ug/l
RT: 8.85 min Scan# 754
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Tot Ion	83	Resp	487136
Ion Ratio	100	Lower	Upper
55	97.8	73.0	109.4
98	48.4	39.4	59.0

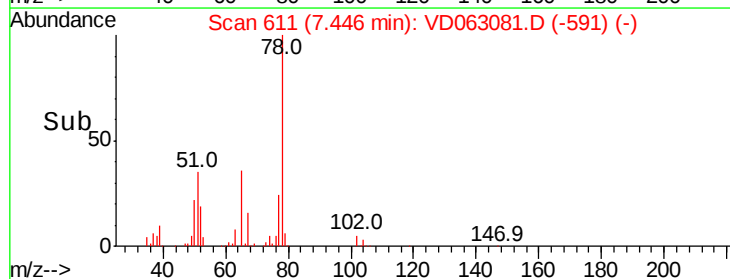
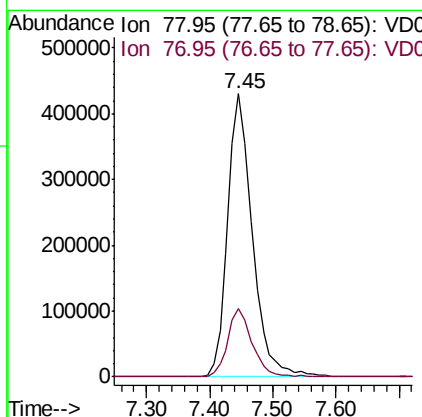
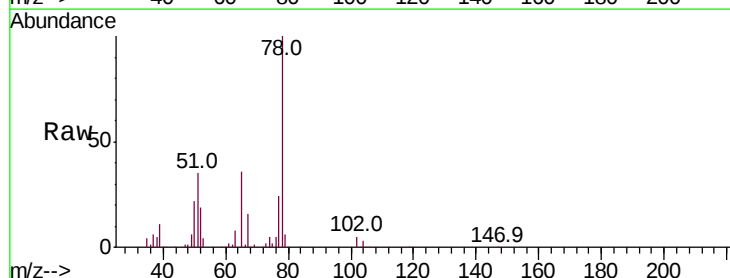
Manual Integrations
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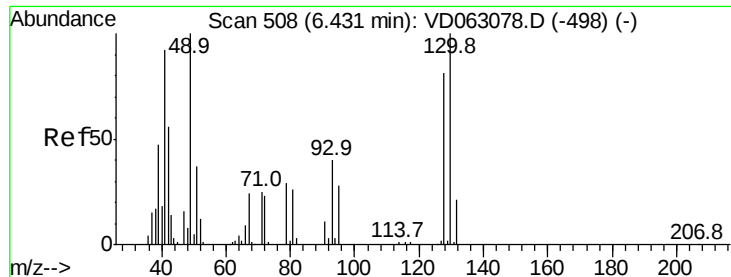
MMDadoda
7/16/2019 9:15:16 AM



#40
Benzene
Concen: 48.816 ug/l
RT: 7.45 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion	78	Resp	1164011
Ion Ratio	100	Lower	Upper
77	24.2	18.1	27.1





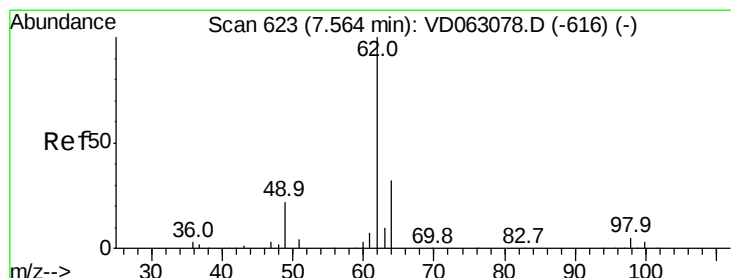
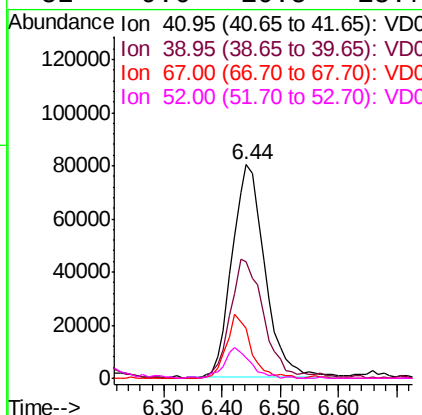
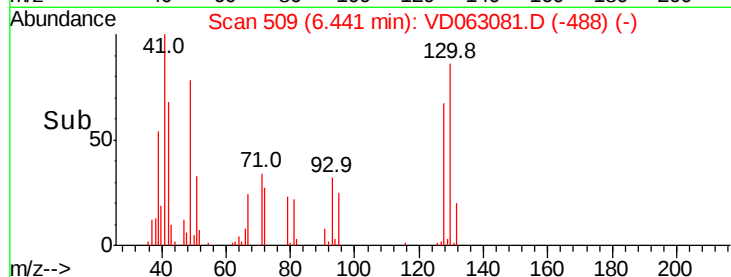
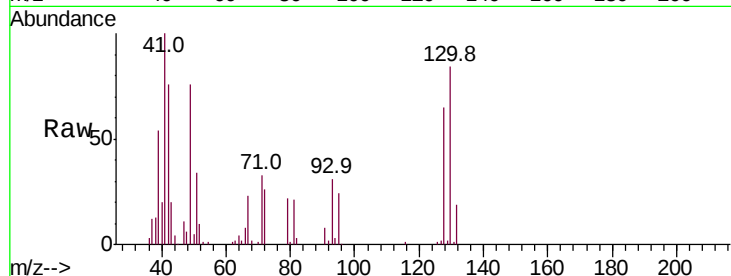
#41
Methacrylonitrile
Concen: 47.423 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Tot Ion: 41 Resp: 313268
Ion Ratio Lower Upper
41 100
39 54.4 41.0 61.6
67 23.1 21.3 31.9
52 9.6 10.5 15.7#

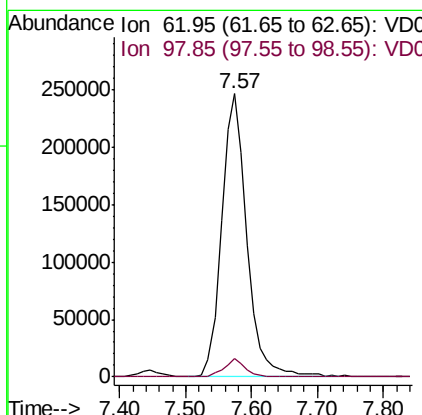
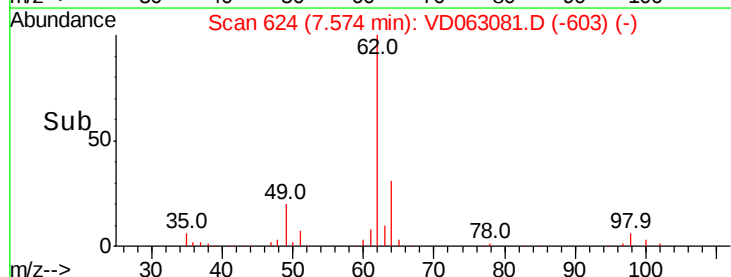
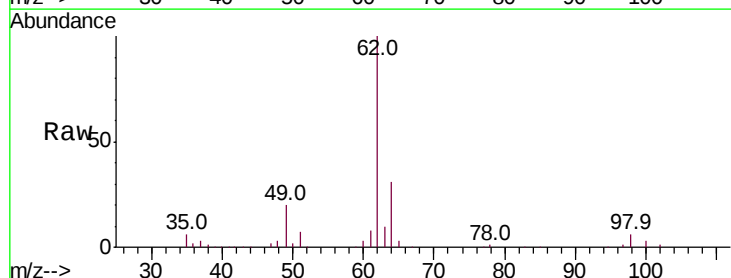
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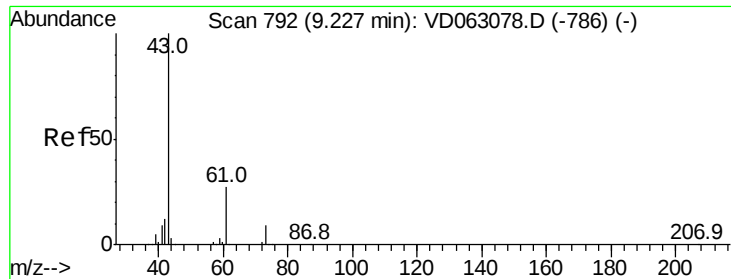
MMDadoda
7/16/2019 9:15:16 AM



#42
1,2-Dichloroethane
Concen: 51.645 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.01 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion: 62 Resp: 656076
Ion Ratio Lower Upper
62 100
98 6.4 0.0 9.6





#43

Isopropyl Acetate

Concen: 49.710 ug/l

RT: 9.24 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

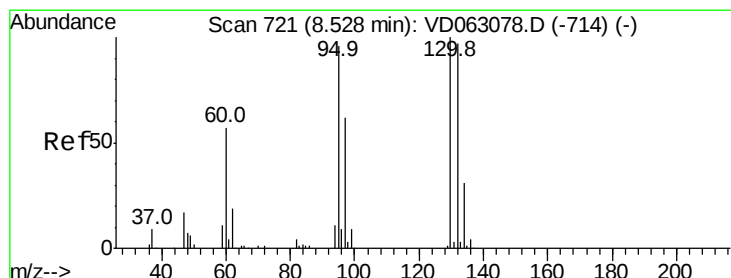
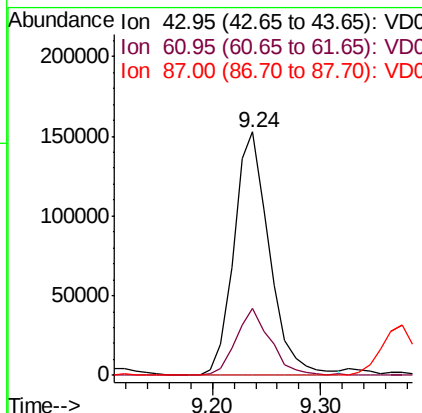
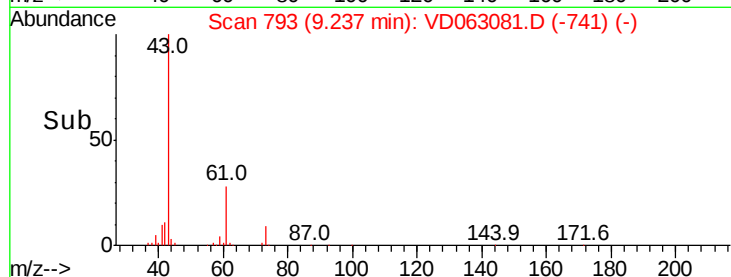
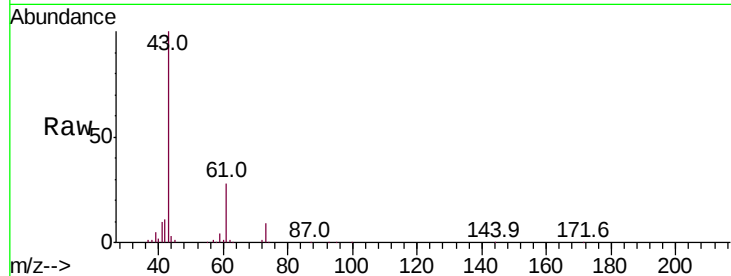
ICVVD071519

Tot Ion: 43 Resp: 347171

Ion	Ratio	Lower	Upper
43	100		
61	27.5	21.7	32.5
87	0.4	0.2	0.4#

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#44

Trichloroethene

Concen: 54.203 ug/l

RT: 8.53 min Scan# 721

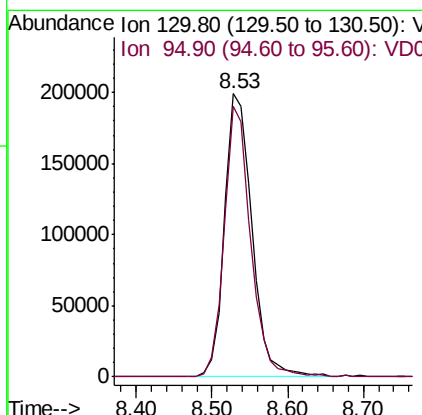
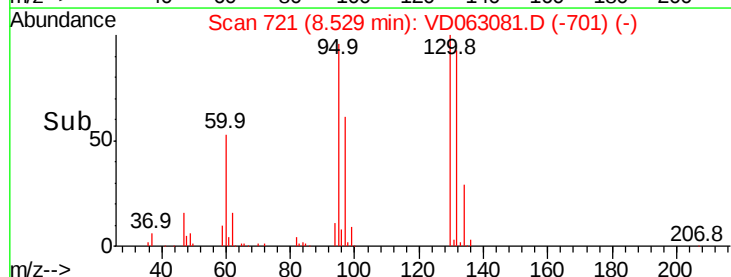
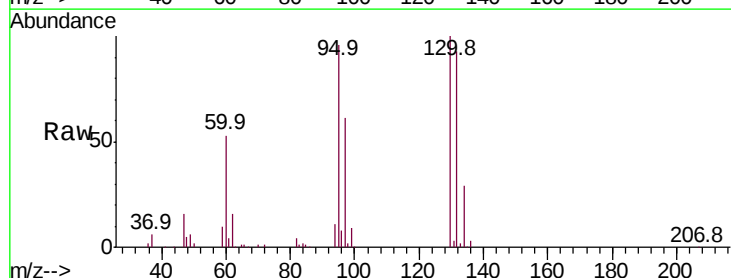
Delta R.T. 0.00 min

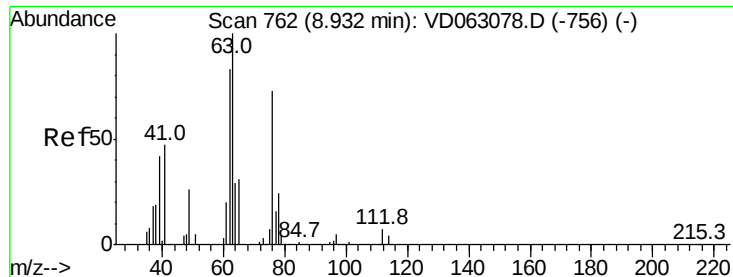
Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Tgt Ion:130 Resp: 499486

Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	191.4





#45

1,2-Dichloropropane

Concen: 51.987 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD071519

Tot Ion: 63 Resp: 309062

Ion Ratio Lower Upper

63 100

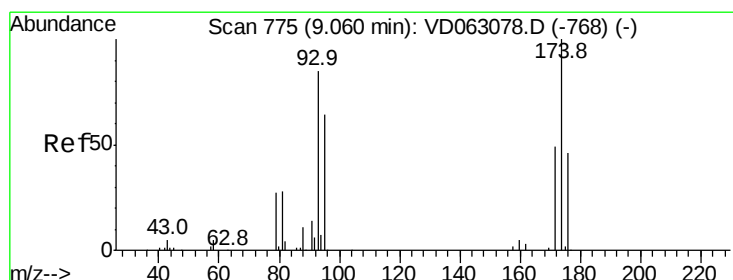
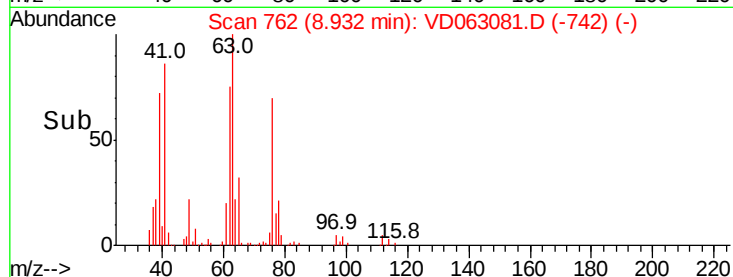
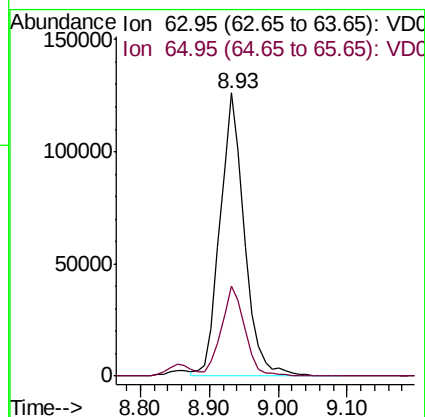
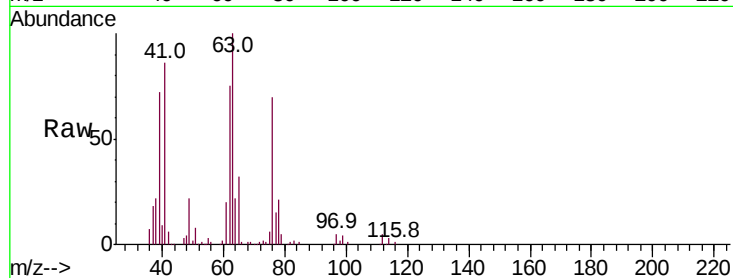
65 31.9 26.3 39.5

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#46

Dibromomethane

Concen: 48.978 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

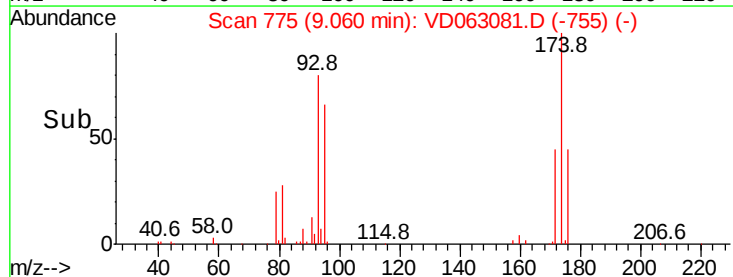
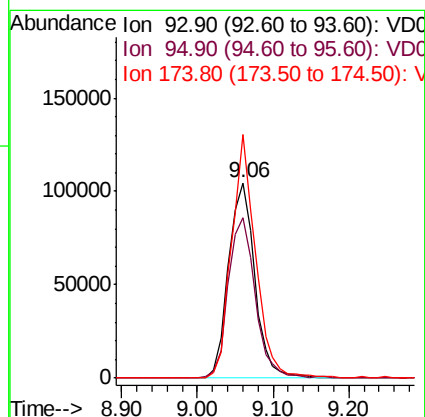
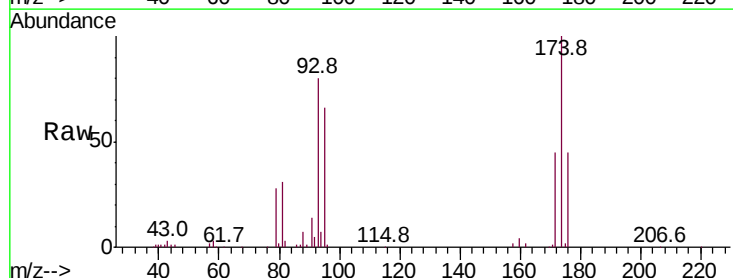
Tgt Ion: 93 Resp: 250213

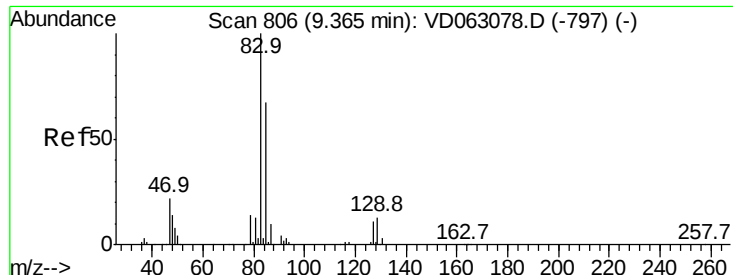
Ion Ratio Lower Upper

93 100

95 82.2 59.7 89.5

174 124.9 93.9 140.9





#47

Bromodichloromethane

Concen: 53.633 ug/l

RT: 9.38 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

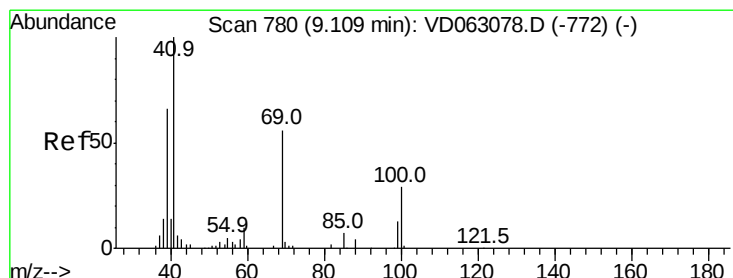
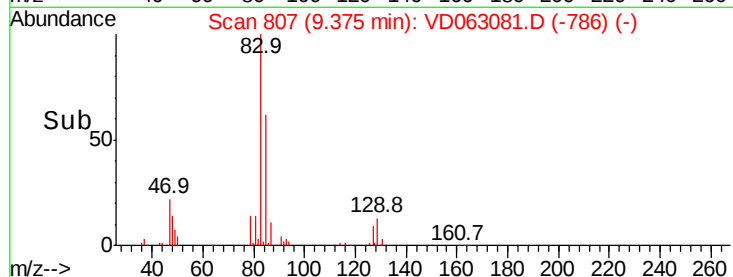
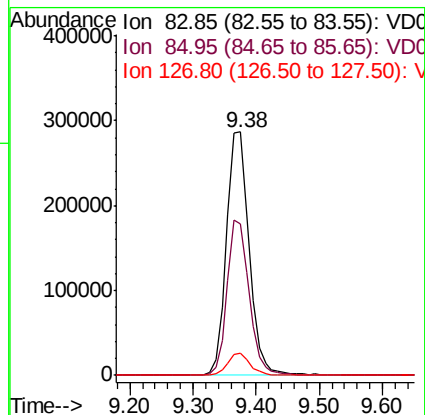
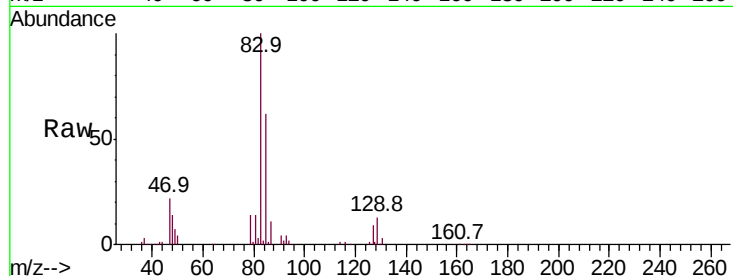
ClientSampleId :

ICVVD071519

Tot Ion:	83	Resp:	714998
Ion Ratio	Lower	Upper	
83	100		
85	62.2	53.7	80.5
127	9.1	9.0	13.6

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#48

Methyl methacrylate

Concen: 51.309 ug/l

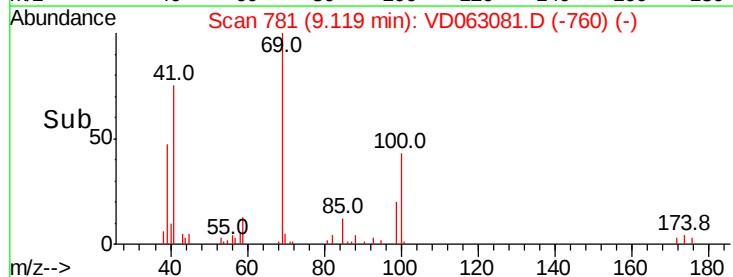
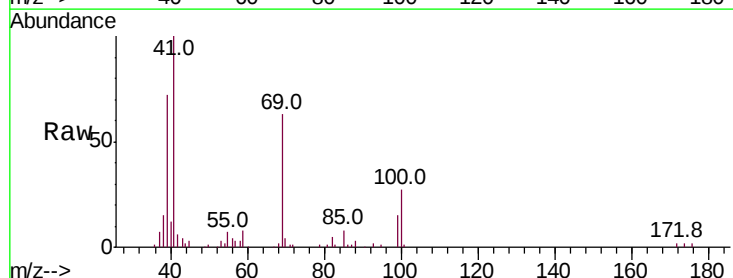
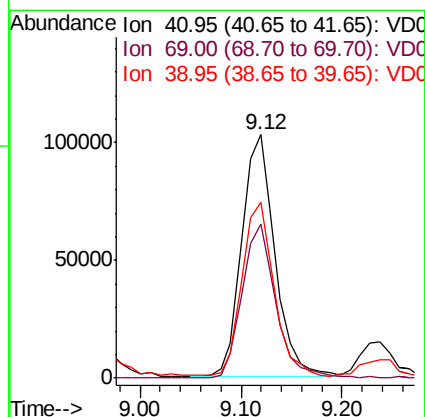
RT: 9.12 min Scan# 781

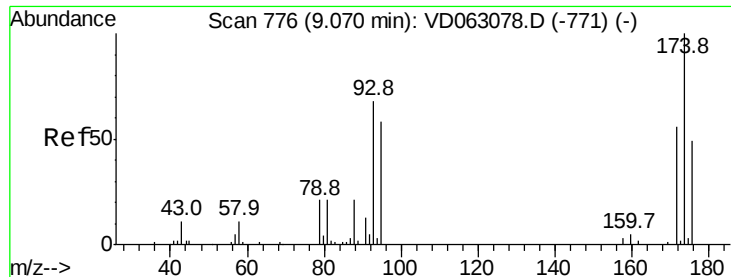
Delta R.T. 0.01 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Tgt Ion:	41	Resp:	235320
Ion Ratio	Lower	Upper	
41	100		
69	63.4	44.3	66.5
39	72.4	52.6	78.8





#49

1,4-Dioxane

Concen: 977.640 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

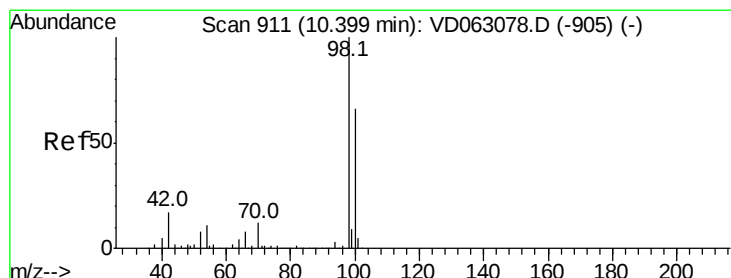
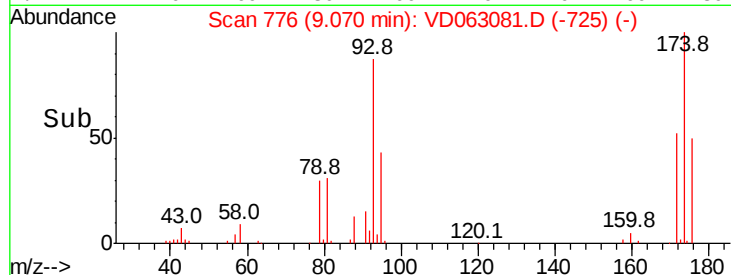
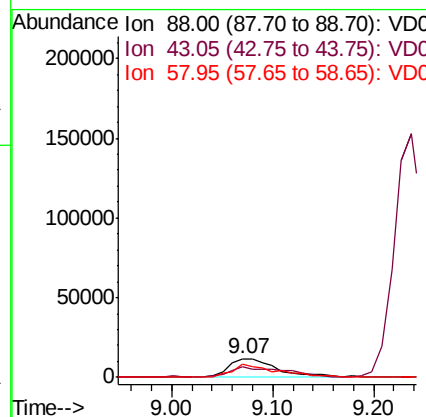
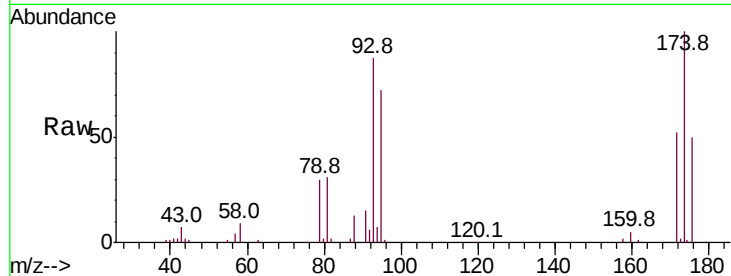
ClientSampleId :

ICVVD071519

Tot Ion:	88	Resp:	38669
Ion	Ratio	Lower	Upper
88	100		
43	56.0	40.2	60.4
58	71.0	41.6	62.4#

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#50

Toluene-d8

Concen: 42.849 ug/l

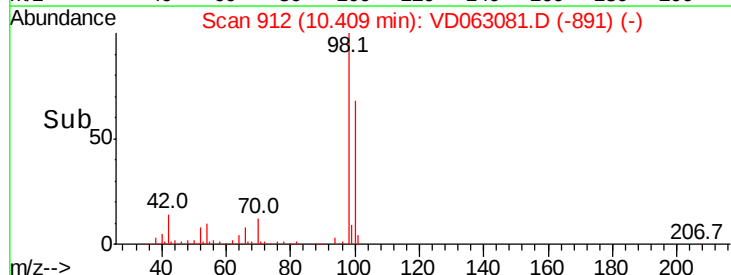
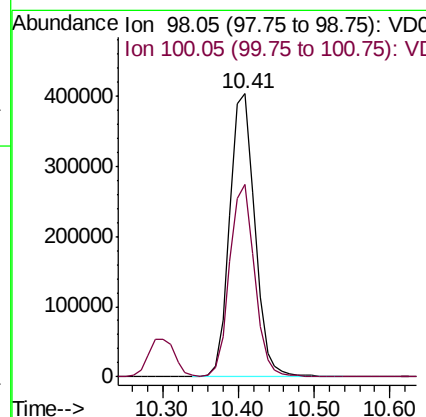
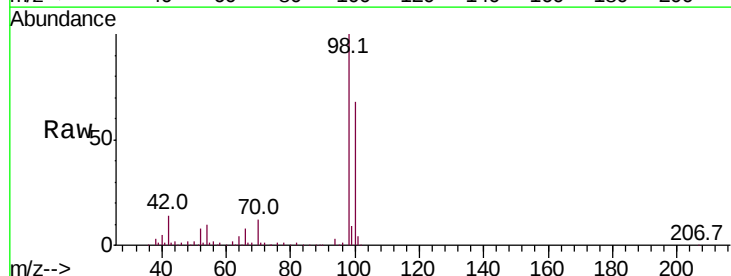
RT: 10.41 min Scan# 912

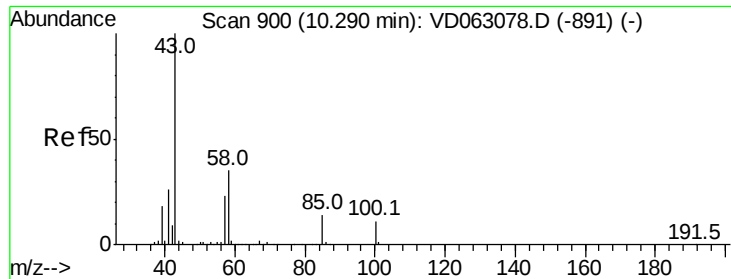
Delta R.T. 0.01 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Tgt Ion:	98	Resp:	927993
Ion	Ratio	Lower	Upper
98	100		
100	68.2	53.5	80.3





#51

4-Methyl-2-Pentanone

Concen: 263.697 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Tot Ion: 43 Resp: 1221481

Ion Ratio Lower Upper

43 100

58 31.8 27.8 41.6

Instrument :

MSVOA_D

ClientSampleId :

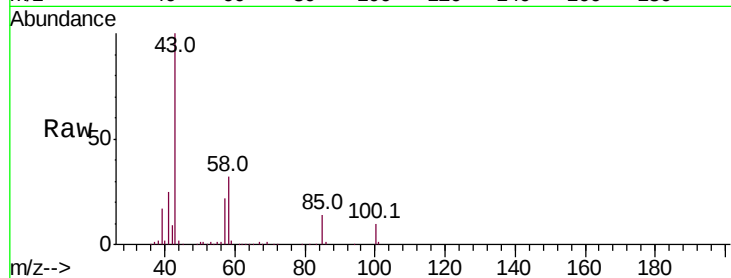
ICVVD071519

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

600000

500000

400000

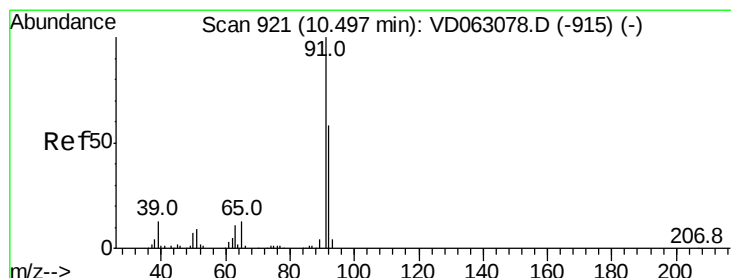
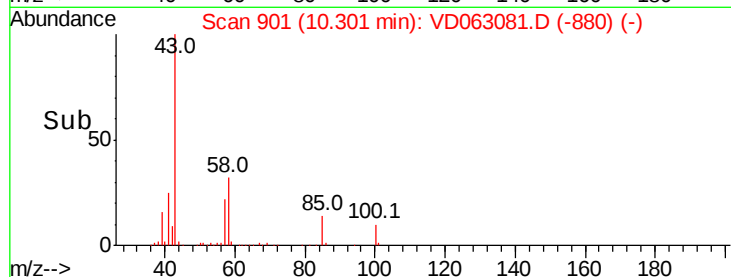
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.607 ug/l

RT: 10.51 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD063081.D

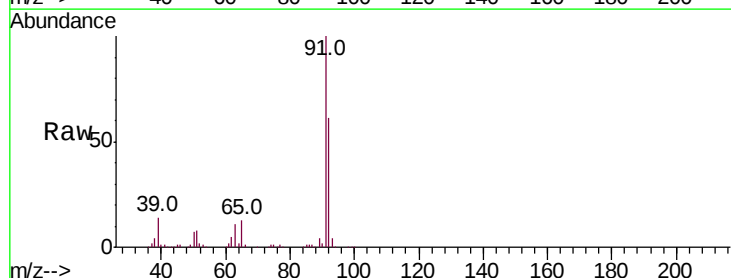
Acq: 15 Jul 2019 15:32

Tgt Ion: 92 Resp: 869489

Ion Ratio Lower Upper

92 100

91 163.2 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

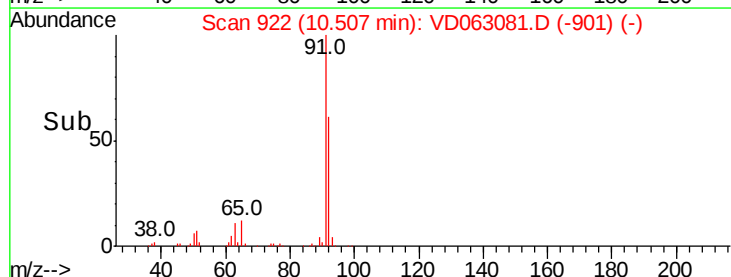
600000

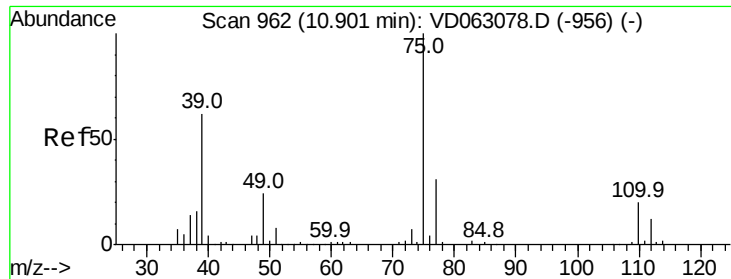
400000

200000

0

Time-->





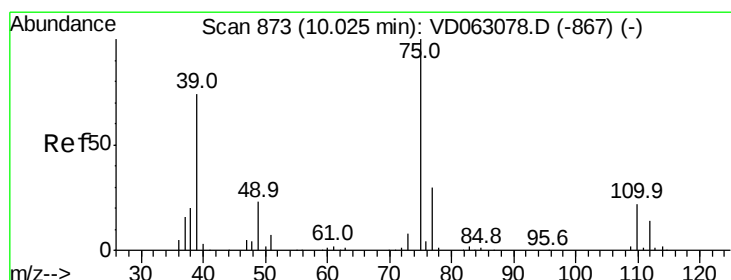
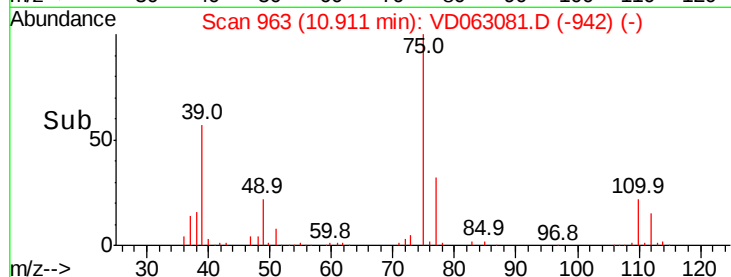
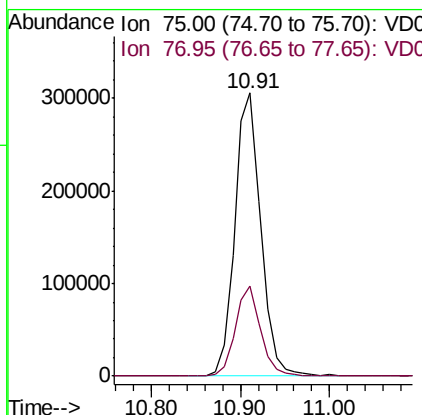
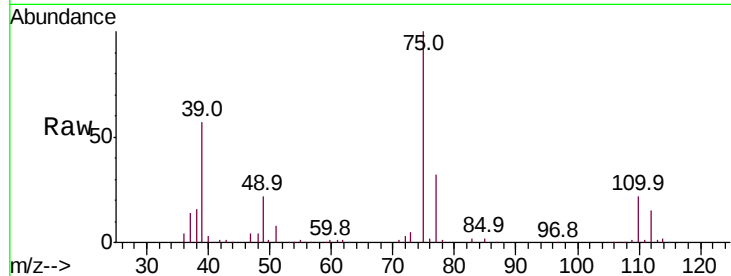
#53
 t-1,3-Dichloropropene
 Concen: 54.361 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD071519

Tot Ion: 75 Resp: 620882
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.9 37.3

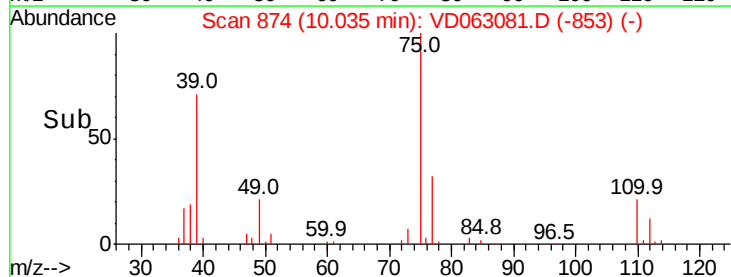
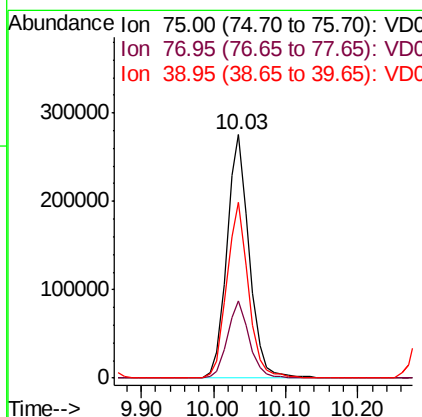
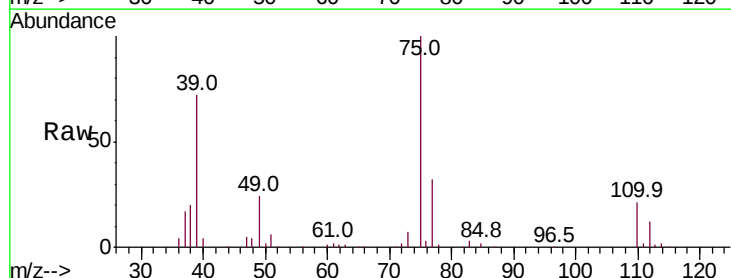
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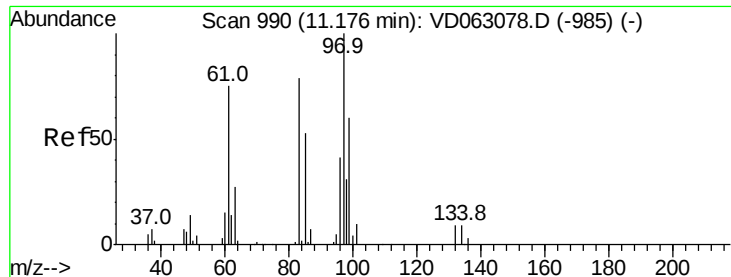
MMDadoda
 7/16/2019 9:15:16 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.899 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Tgt Ion: 75 Resp: 589293
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.9 35.9
 39 72.1 59.4 89.0





#55

1,1,2-Trichloroethane

Concen: 50.340 ug/l

RT: 11.19 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD071519

Tot Ion: 97 Resp: 277001

Ion Ratio Lower Upper

97 100

83 82.2 63.2 94.8

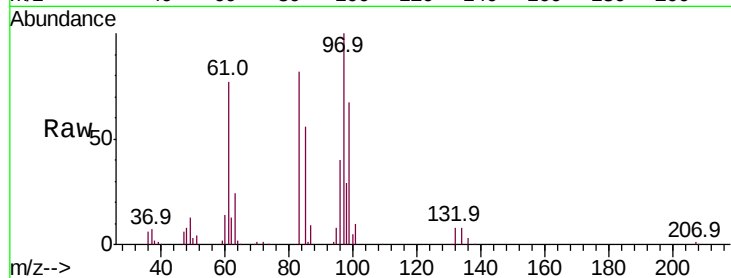
85 55.6 42.0 63.0

99 67.4 48.3 72.5

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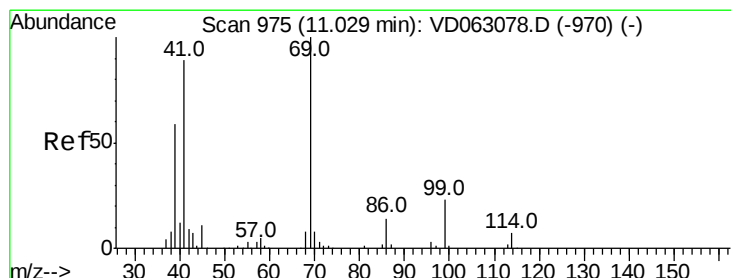
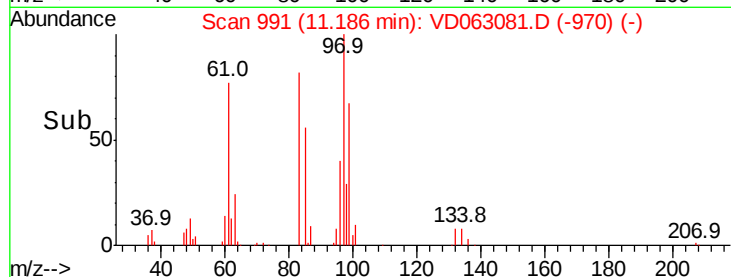
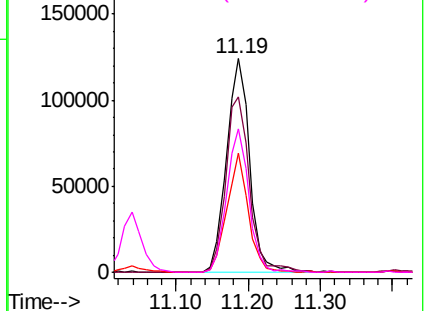


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 47.692 ug/l

RT: 11.04 min Scan# 976

Delta R.T. 0.01 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

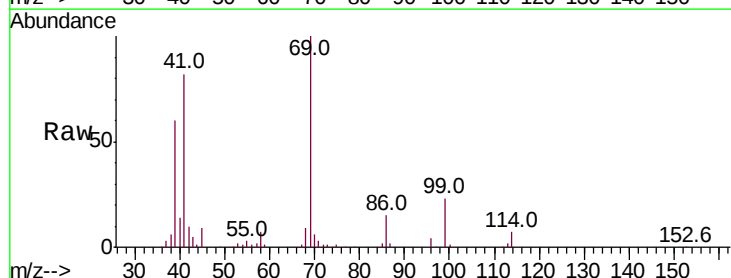
Tgt Ion: 69 Resp: 293213

Ion Ratio Lower Upper

69 100

41 82.0 71.0 106.4

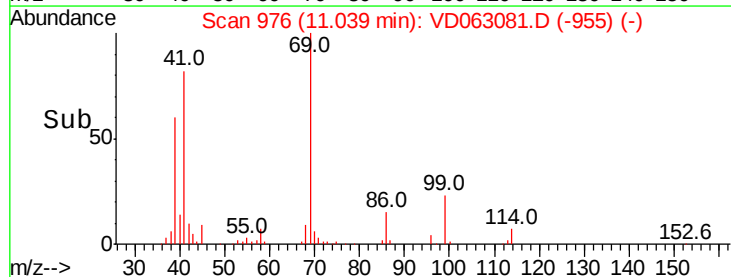
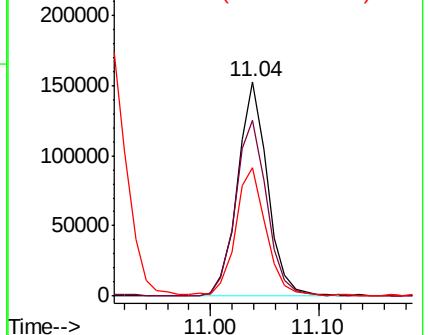
39 60.2 47.7 71.5

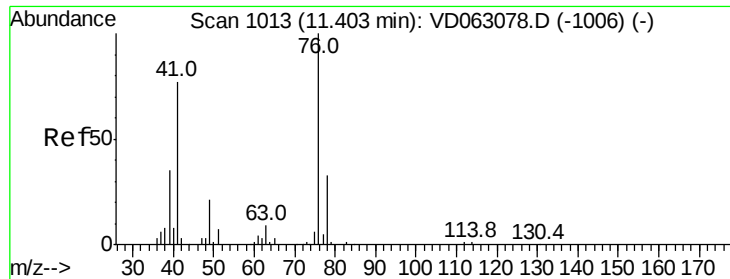


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





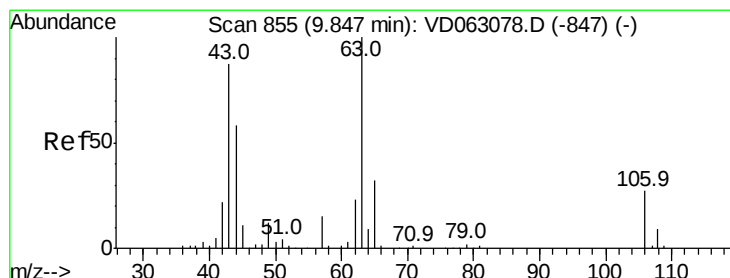
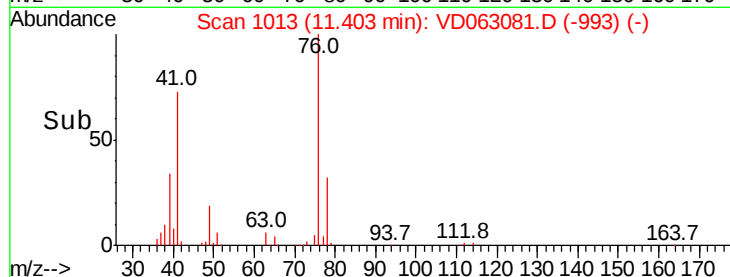
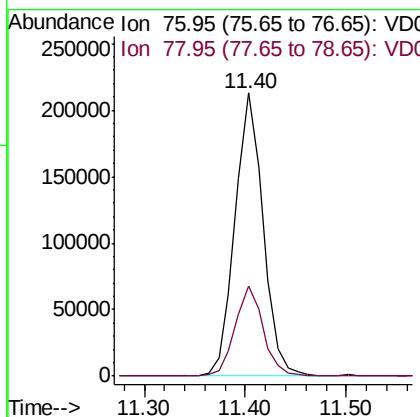
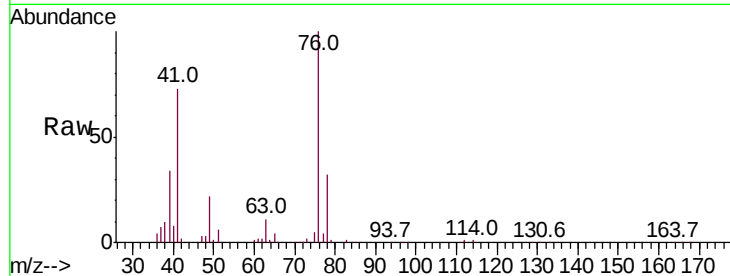
#57
 1,3-Dichloropropane
 Concen: 49.483 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD071519

Tot Ion: 76 Resp: 414323
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.8 40.2

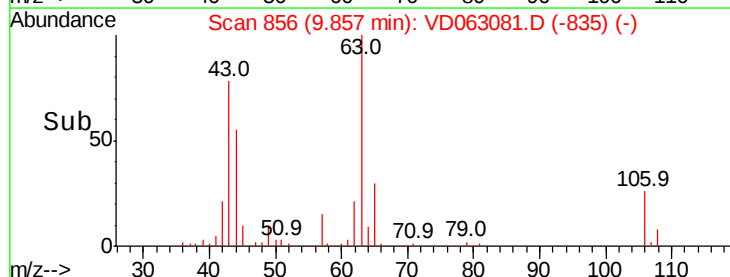
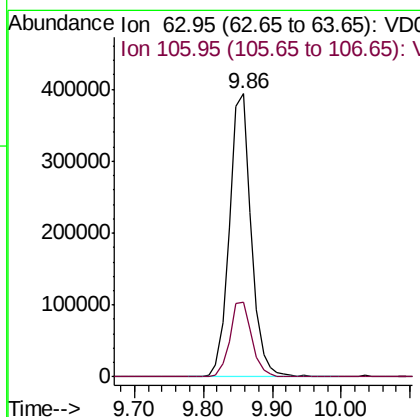
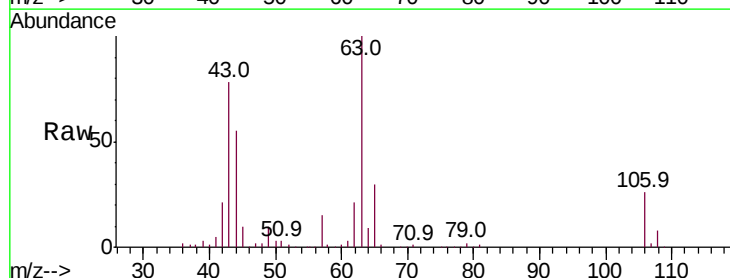
Manual Integrations
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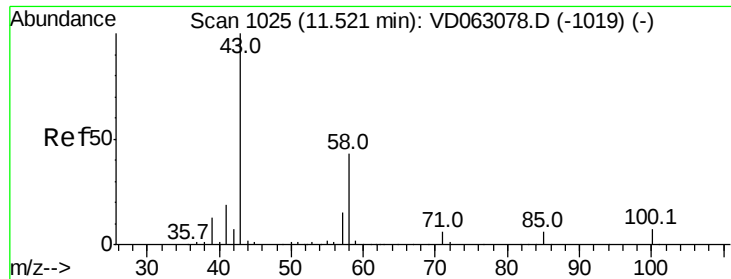
MMDadoda
 7/16/2019 9:15:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.665 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Tgt Ion: 63 Resp: 861525
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.3 31.9





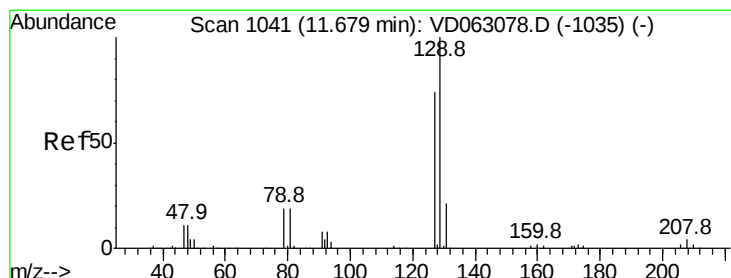
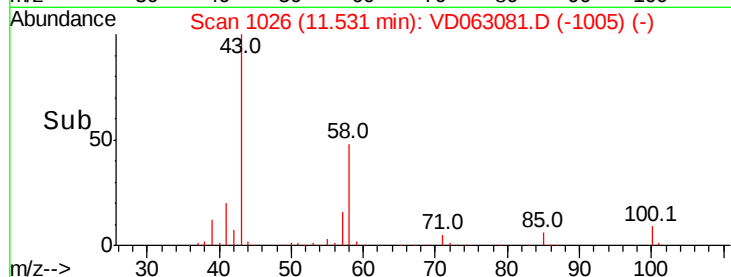
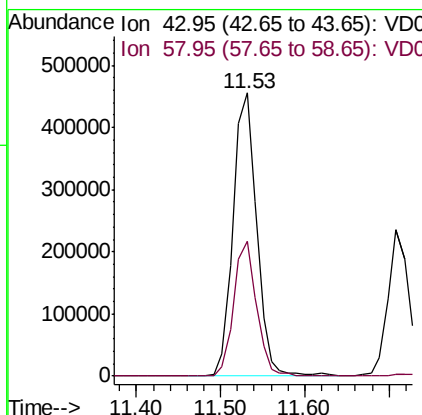
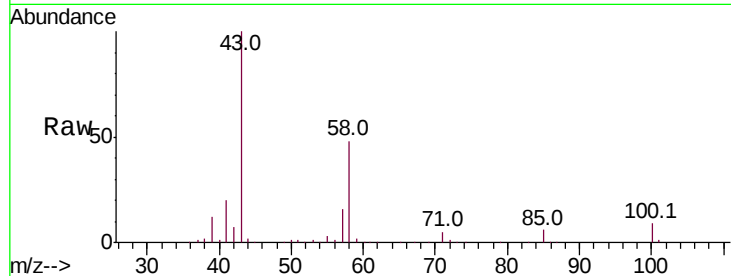
#59
2-Hexanone
Concen: 249.749 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Tot Ion: 43 Resp: 892190
Ion Ratio Lower Upper
43 100
58 47.8 21.7 65.1

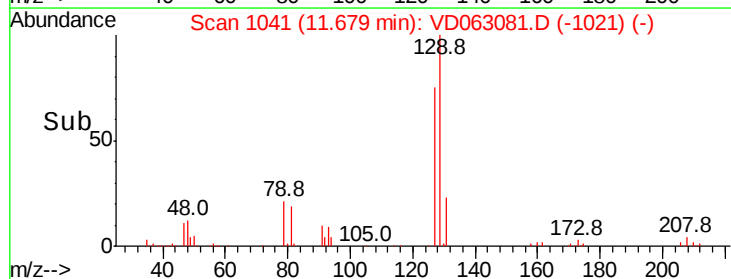
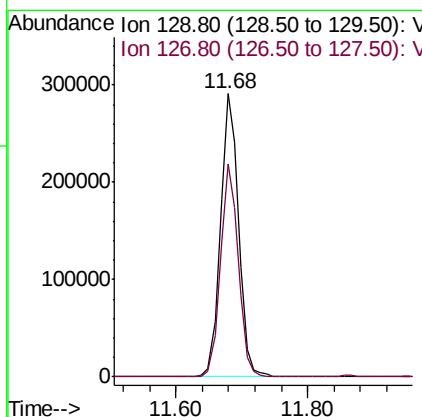
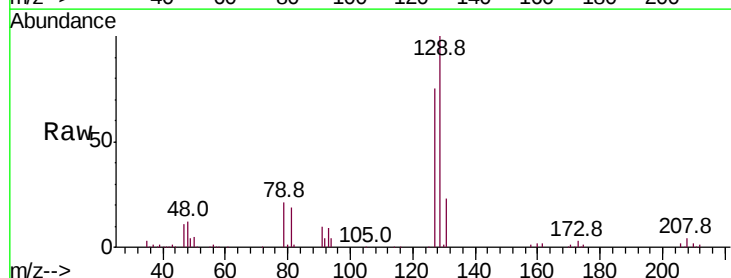
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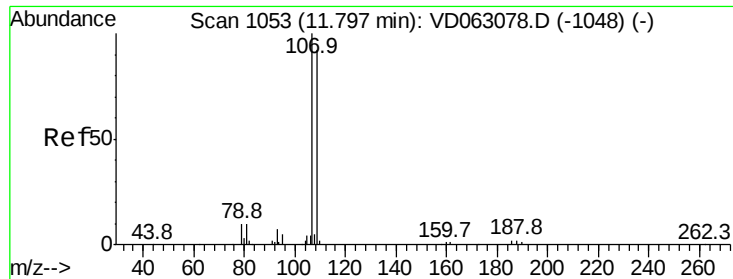
MMDadoda
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#60
Dibromochloromethane
Concen: 52.678 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion: 129 Resp: 555642
Ion Ratio Lower Upper
129 100
127 75.4 37.0 110.9





#61

1,2-Dibromoethane

Concen: 50.654 ug/l

RT: 11.80 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD071519

Tot Ion: 107 Resp: 333635

Ion Ratio Lower Upper

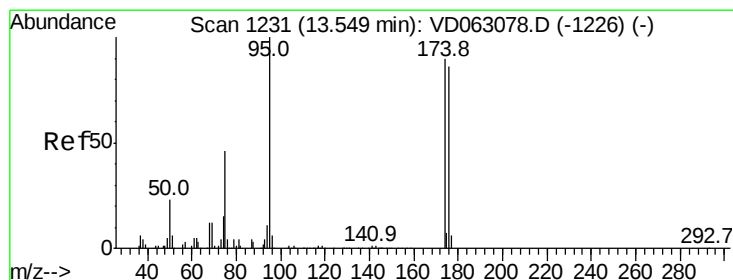
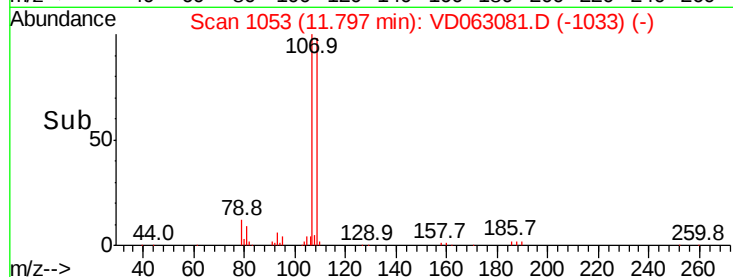
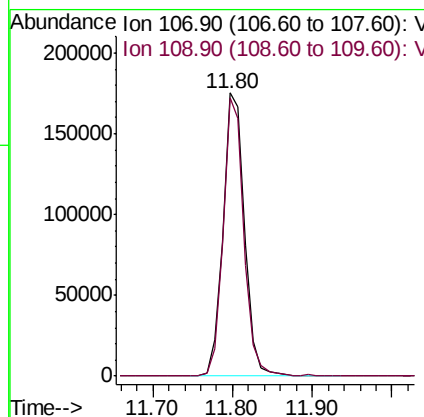
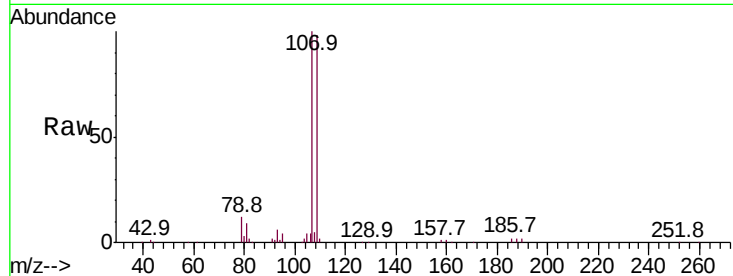
107 100

109 98.5 73.6 110.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 40.976 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

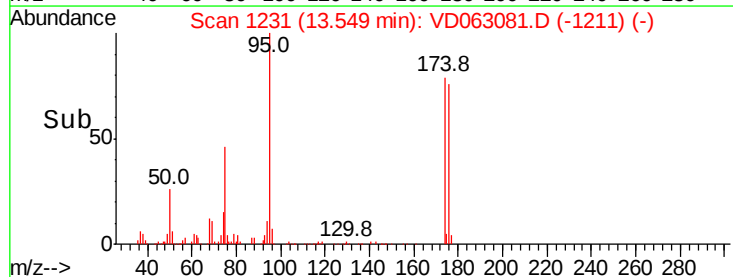
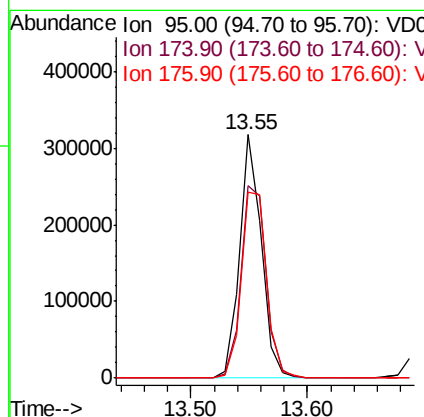
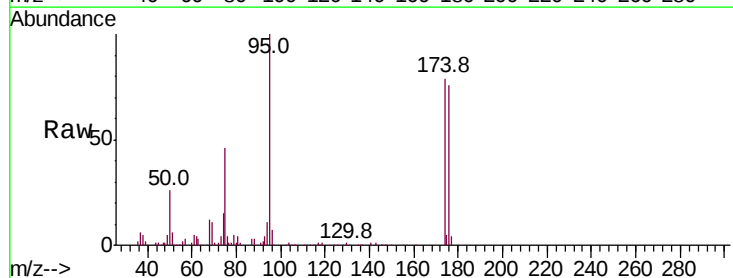
Tgt Ion: 95 Resp: 410558

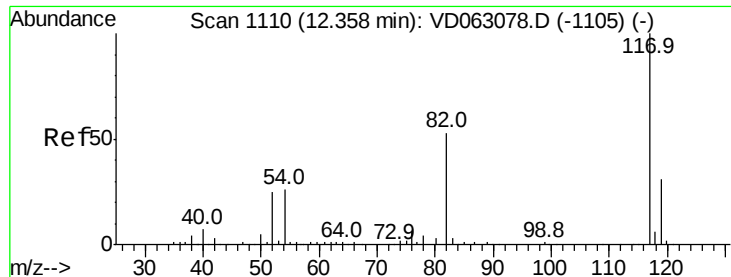
Ion Ratio Lower Upper

95 100

174 79.3 0.0 180.6

176 76.3 0.0 172.2





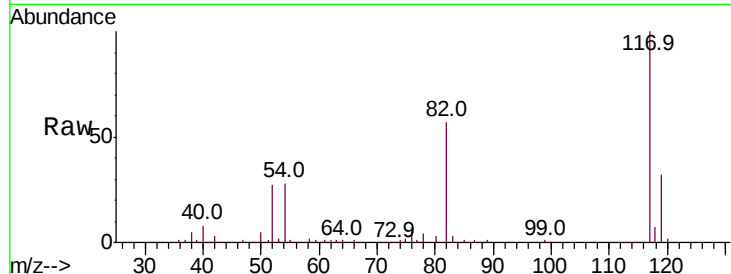
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	42.3	63.5
119	31.8	25.2	37.8

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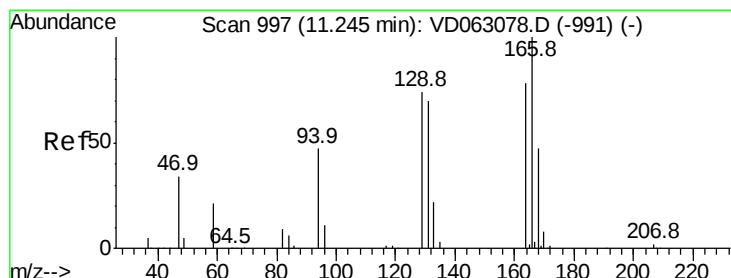
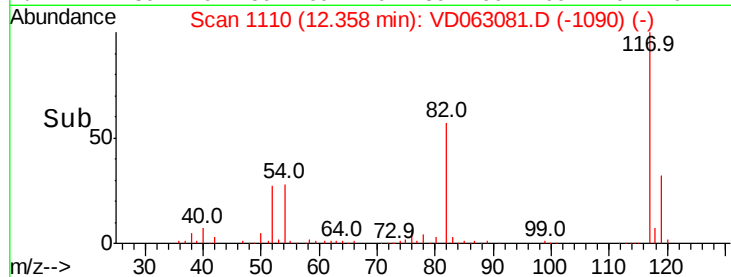
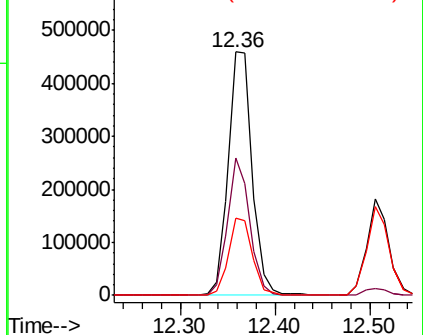


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 51.449 ug/l
RT: 11.26 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	102.8	154.2
129	87.7	76.4	114.6
131	85.9	71.7	107.5

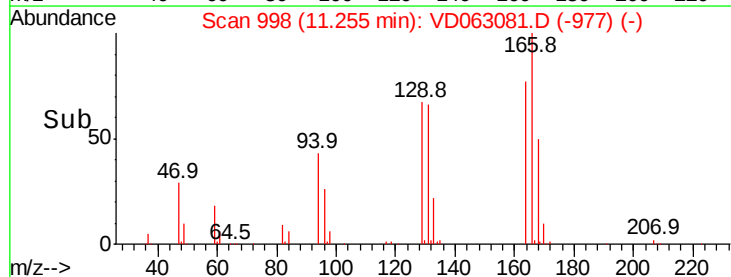
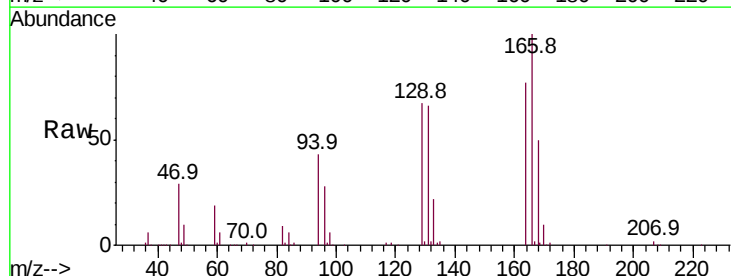
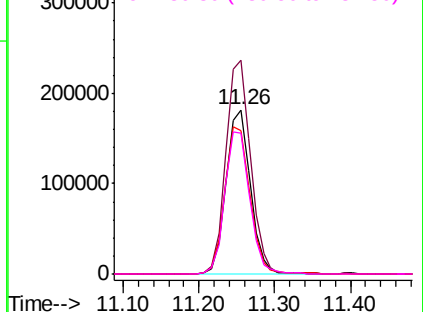
Abundance

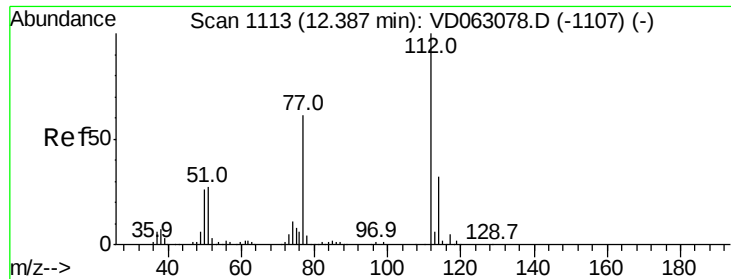
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





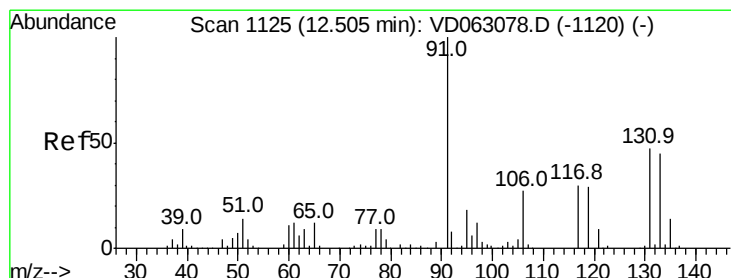
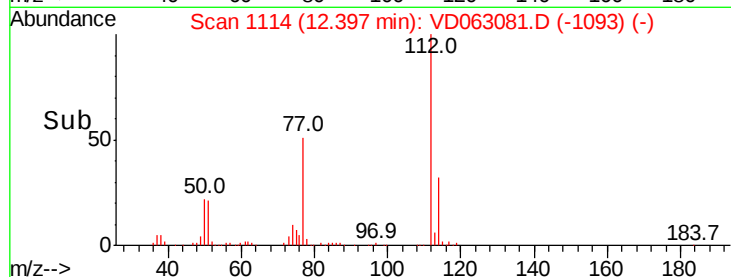
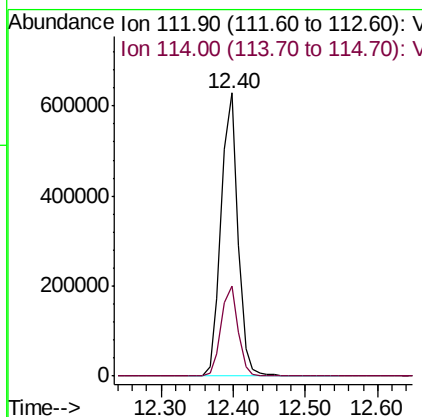
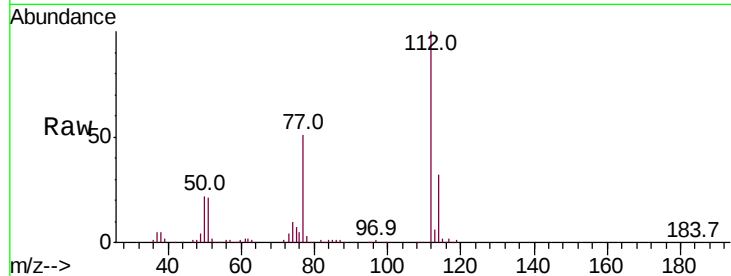
#65
Chlorobenzene
Concen: 53.320 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Tot Ion:112 Resp: 1013239
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

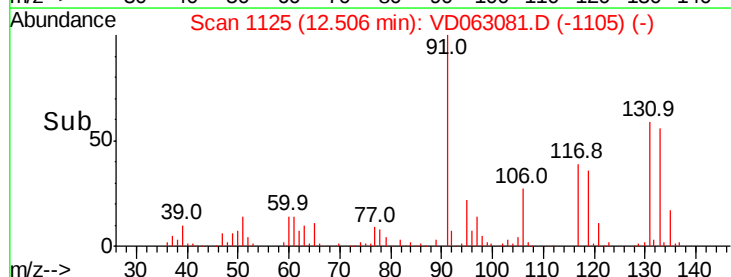
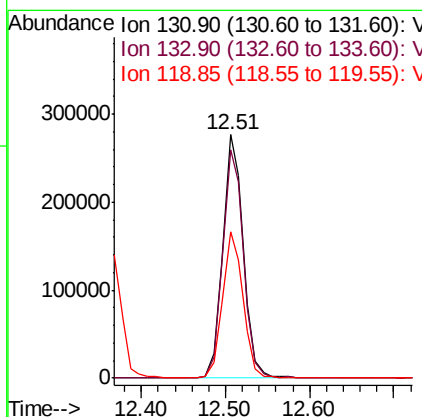
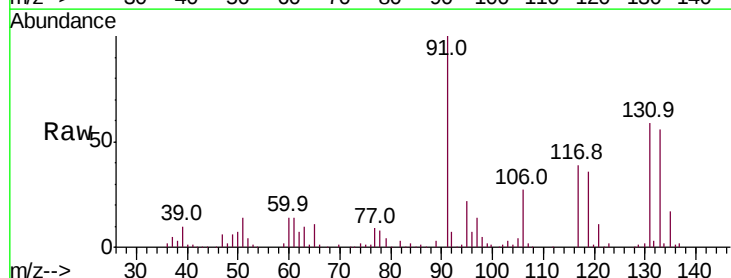
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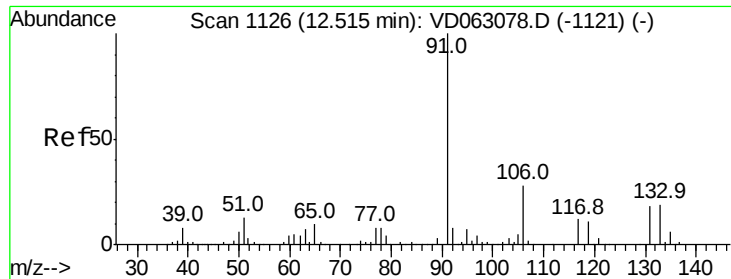
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.583 ug/l
RT: 12.51 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion:131 Resp: 463279
Ion Ratio Lower Upper
131 100
133 93.9 48.5 145.6
119 60.3 30.8 92.3





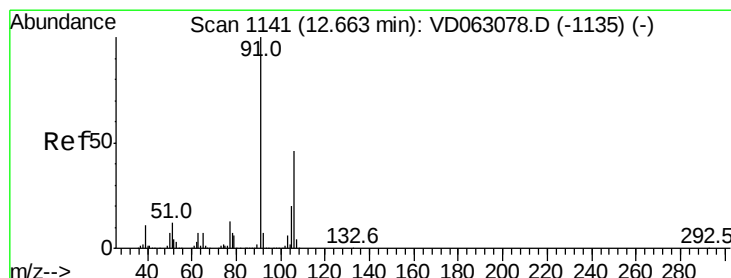
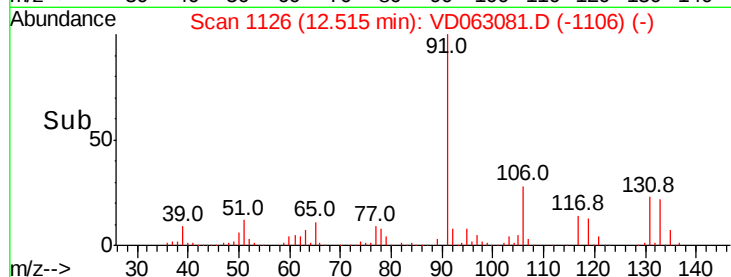
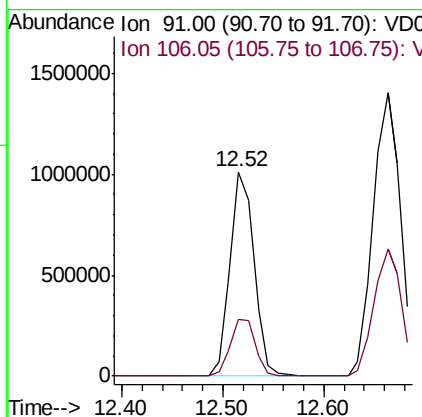
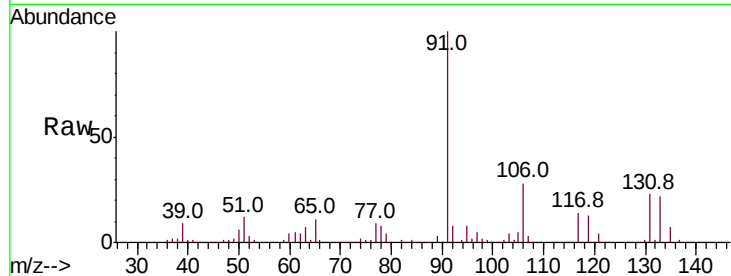
#67
Ethyl Benzene
Concen: 50.685 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Tot Ion: 91 Resp: 1673534
Ion Ratio Lower Upper
91 100
106 28.1 22.5 33.7

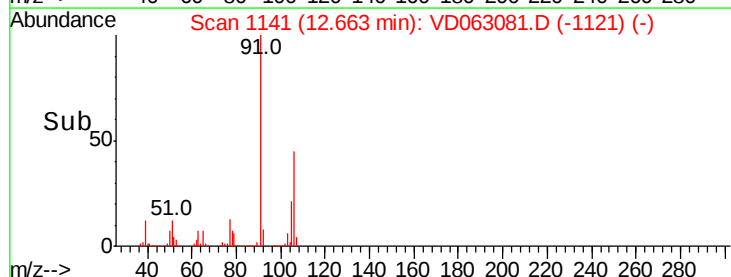
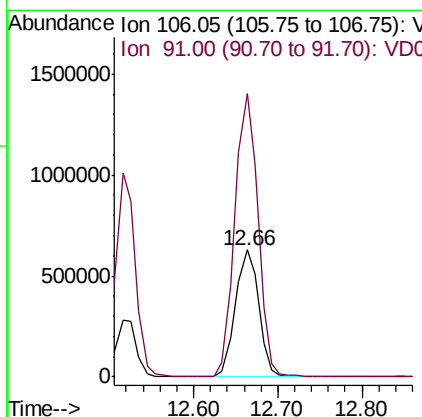
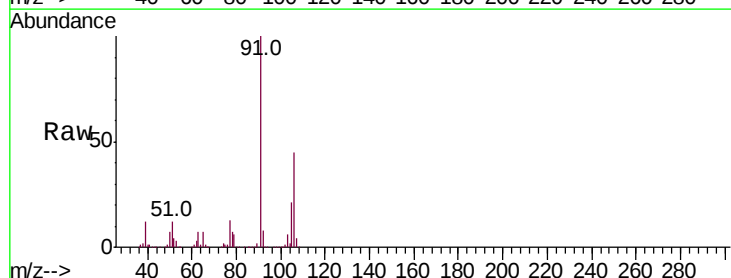
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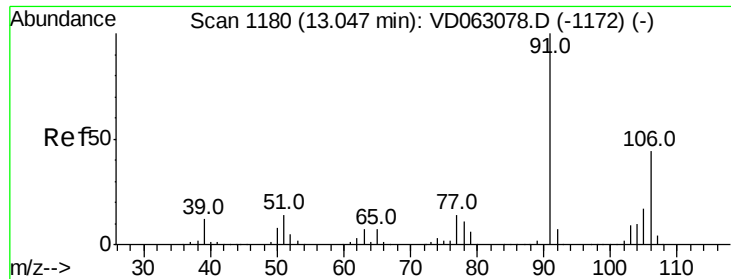
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7/16/2019 9:15:16 AM



#68
m/p-Xylenes
Concen: 102.337 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion: 106 Resp: 1210251
Ion Ratio Lower Upper
106 100
91 223.3 173.0 259.6





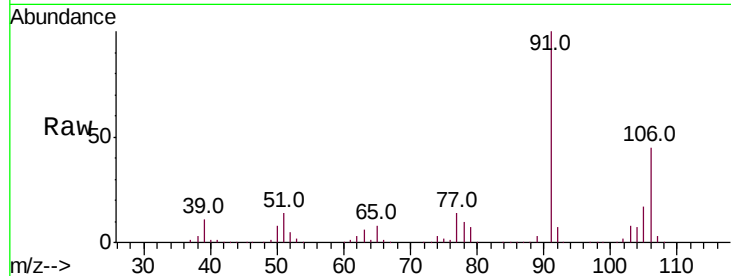
#69
o-Xylene
Concen: 53.153 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

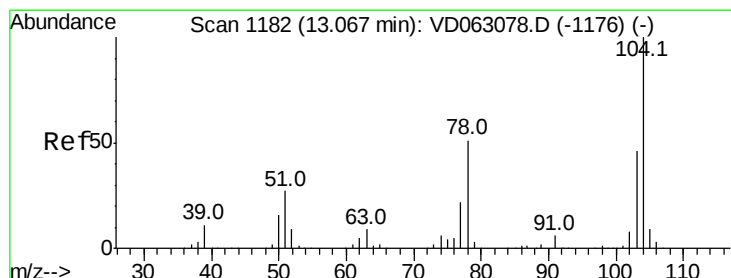
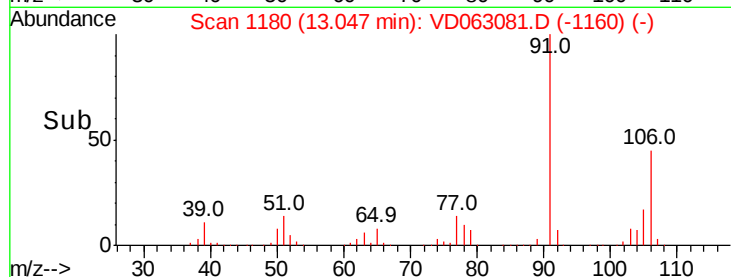
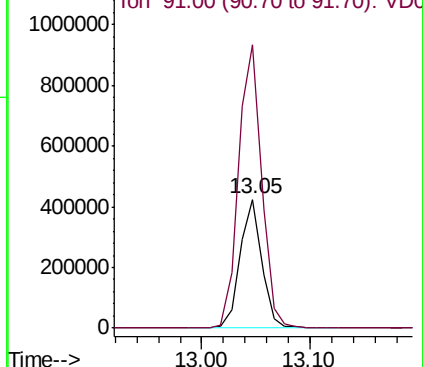
Tot Ion:106 Resp: 596049
Ion Ratio Lower Upper
106 100
91 220.0 114.9 344.7

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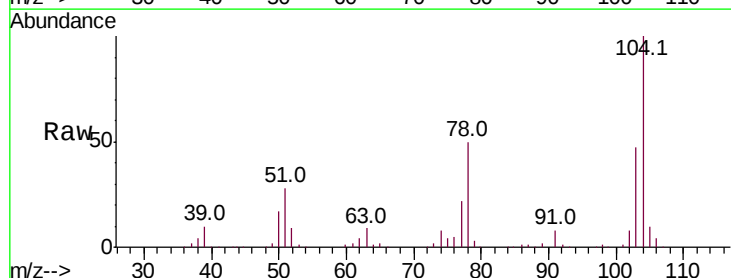


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

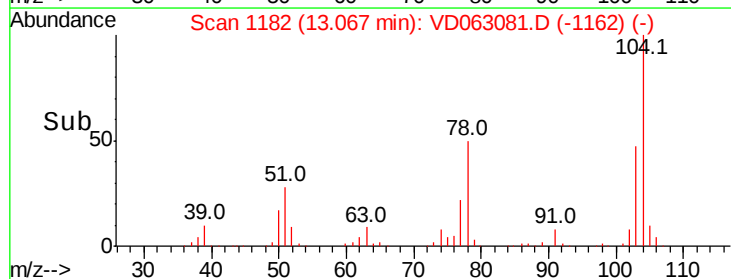
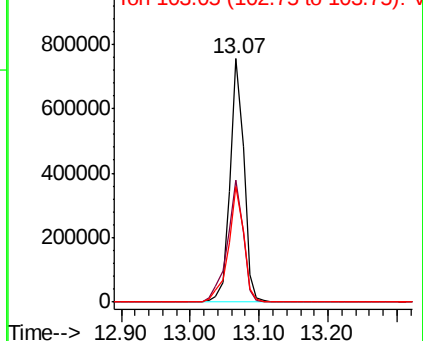


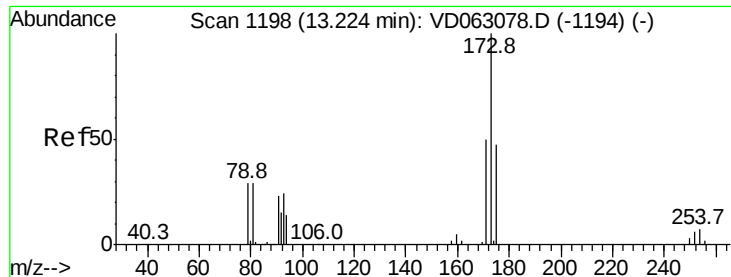
#70
Styrene
Concen: 53.474 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion:104 Resp: 1049622
Ion Ratio Lower Upper
104 100
78 50.1 41.1 61.7
103 47.3 37.0 55.6



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: 54.324 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD071519

Tot Ion:173 Resp: 335078

Ion Ratio Lower Upper

173 100

175 47.9 23.4 70.2

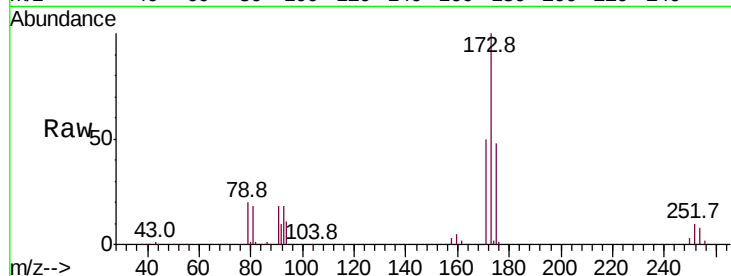
254 8.4 5.4 8.0#

Manual Integrations

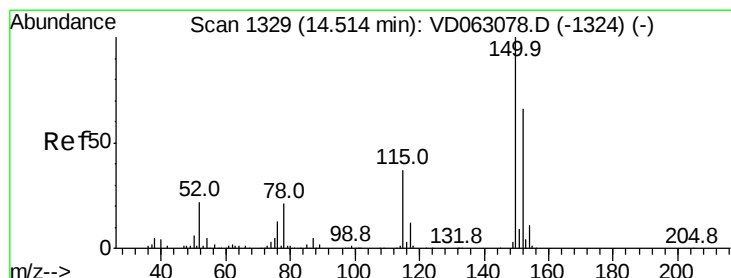
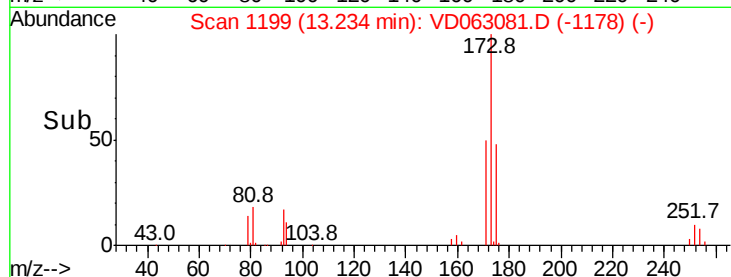
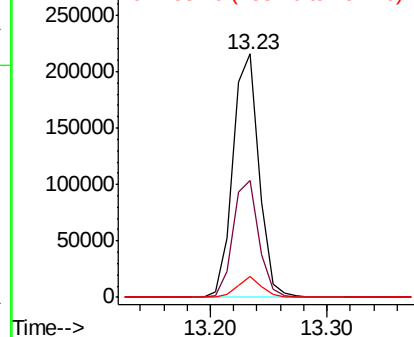
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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

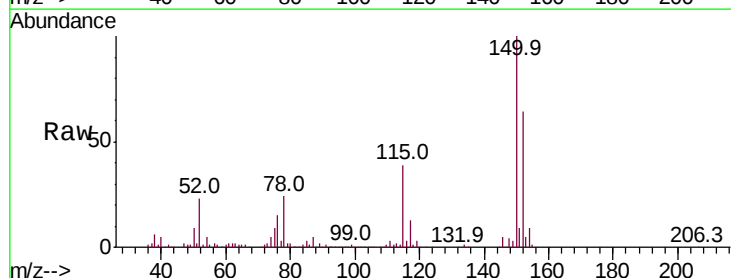
Tgt Ion:152 Resp: 439095

Ion Ratio Lower Upper

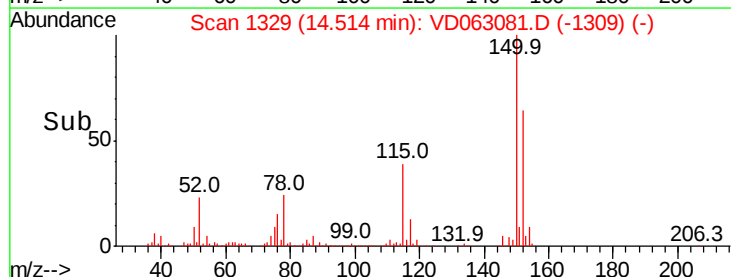
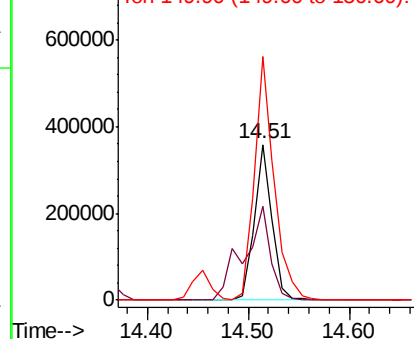
152 100

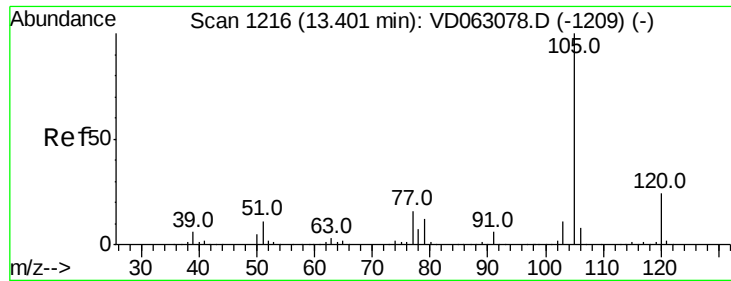
115 60.8 28.9 86.8

150 156.7 0.0 313.8



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: 51.717 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD071519

Tot Ion:105 Resp: 1753727

Ion Ratio Lower Upper

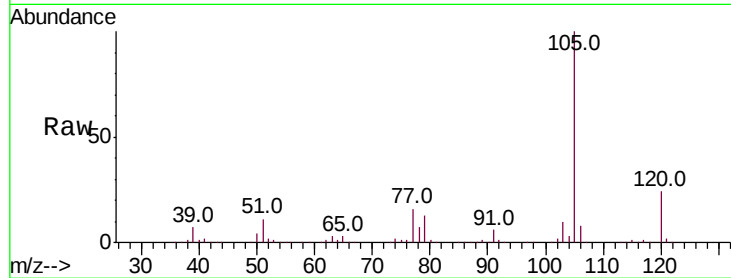
105 100

120 23.9 12.2 36.4

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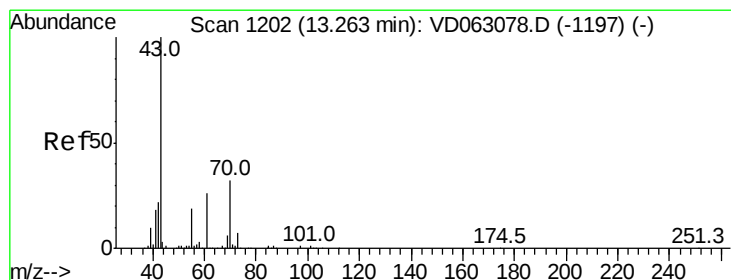
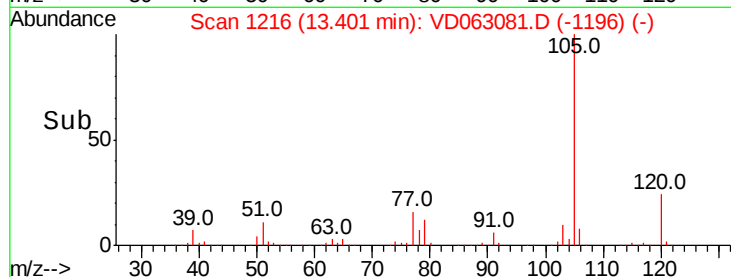
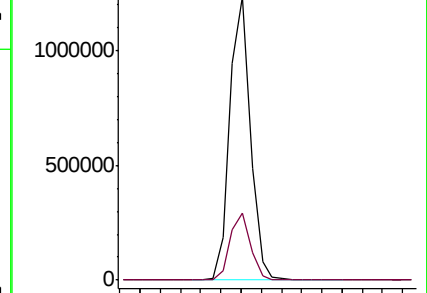
MMDadoda

7/16/2019 9:15:16 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.837 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Tgt Ion: 43 Resp: 461862

Ion Ratio Lower Upper

43 100

70 28.8 25.5 38.3

55 19.3 15.4 23.0

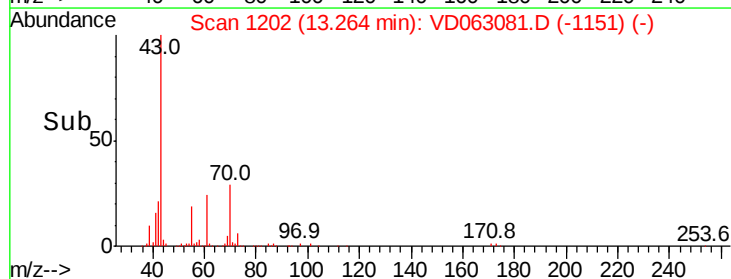
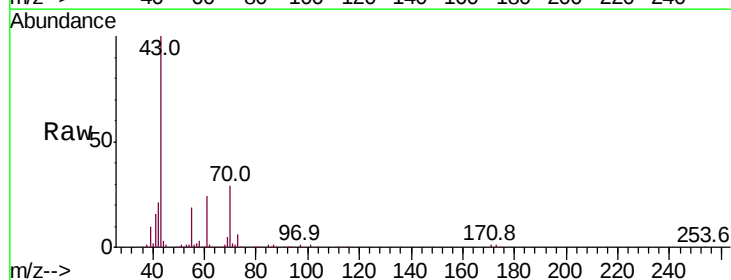
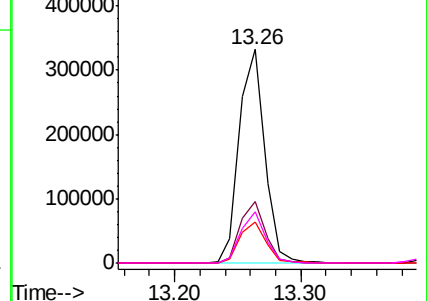
61 24.1 20.6 31.0

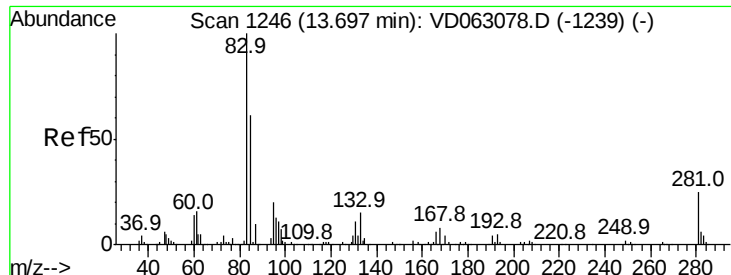
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.117 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD071519

Tot Ion: 83 Resp: 315375
Ion Ratio Lower Upper

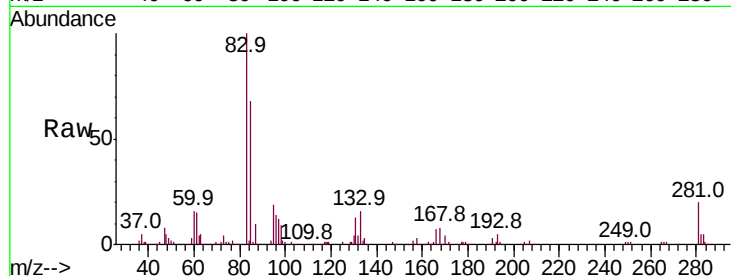
83 100

131 13.1 5.5 16.7

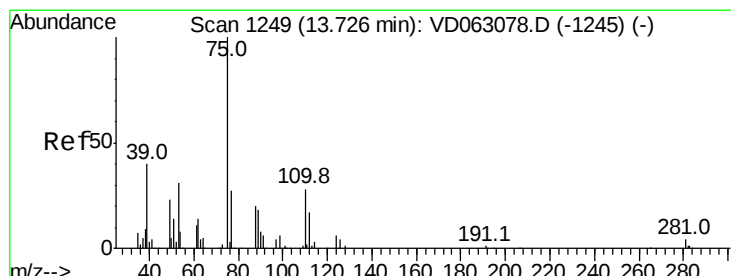
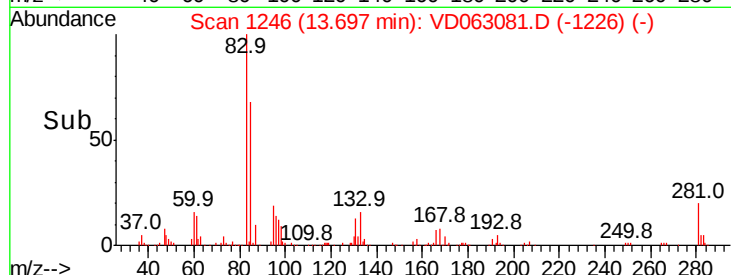
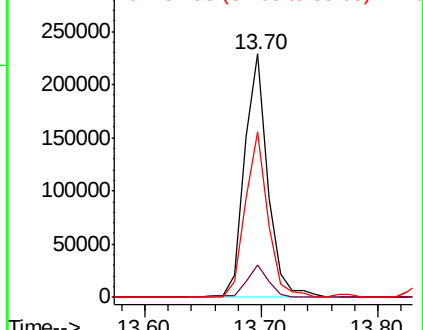
85 68.2 30.7 92.1

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 52.579 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. 0.00 min

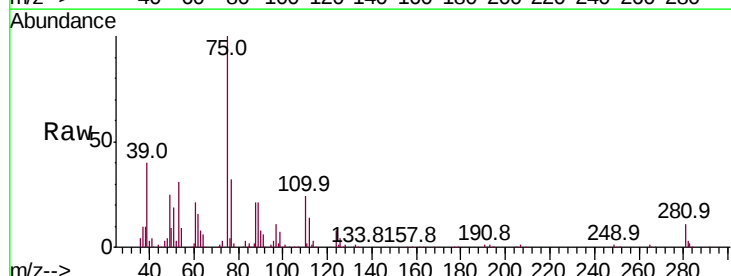
Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

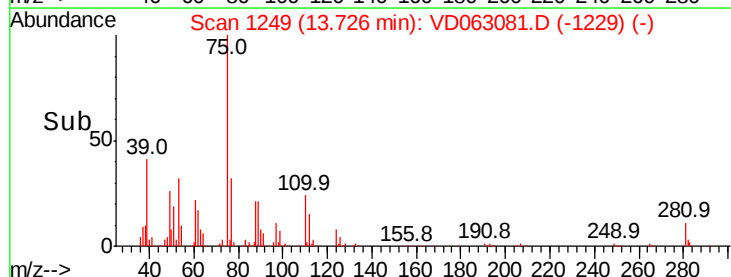
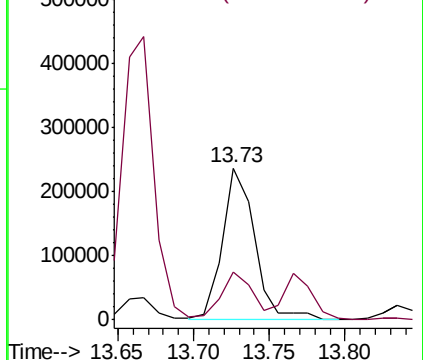
Tgt Ion: 75 Resp: 355148
Ion Ratio Lower Upper

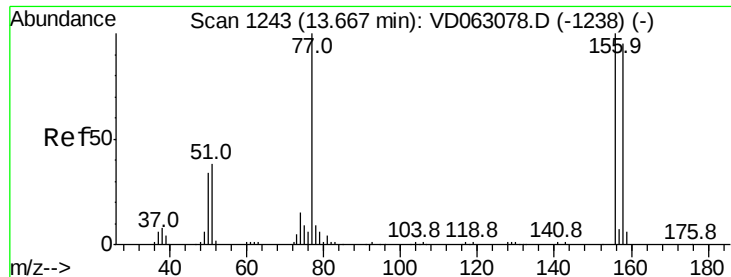
75 100

77 31.5 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.401 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

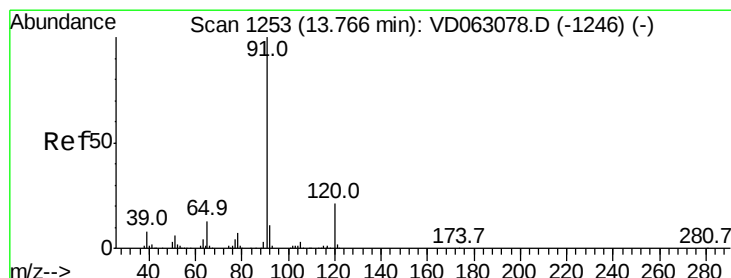
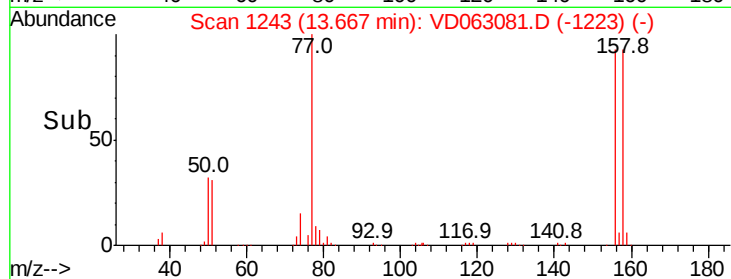
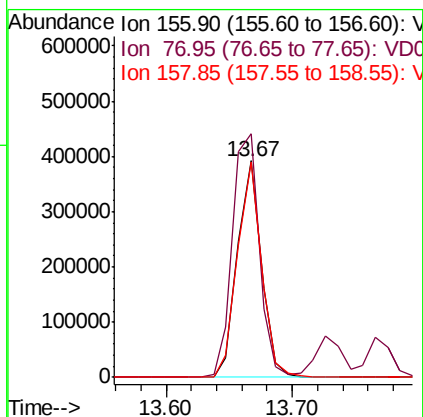
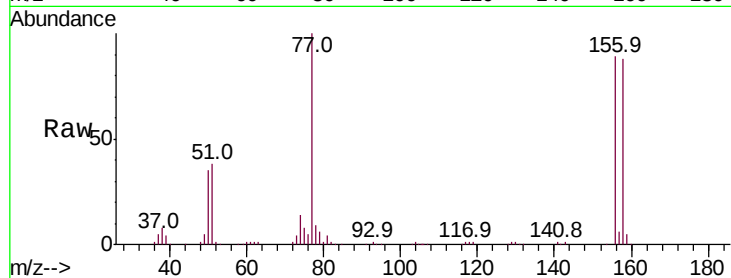
ClientSampleId :

ICVVD071519

Tot Ion	Ratio	Lower	Upper
156	100		
77	112.6	50.2	150.7
158	99.5	47.6	142.9

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#78

n-propylbenzene

Concen: 55.253 ug/l

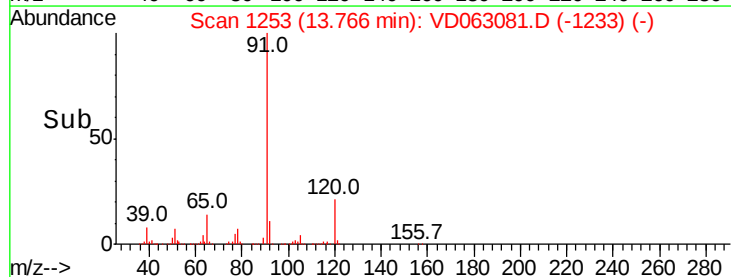
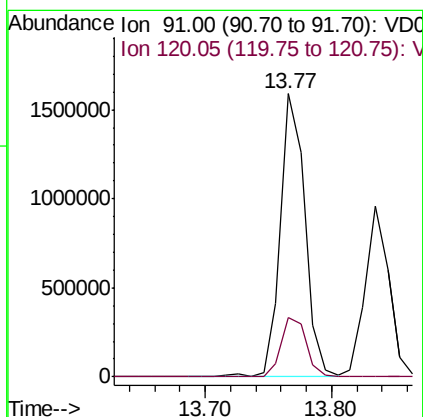
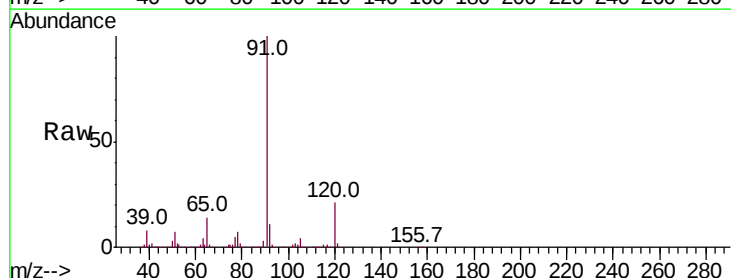
RT: 13.77 min Scan# 1253

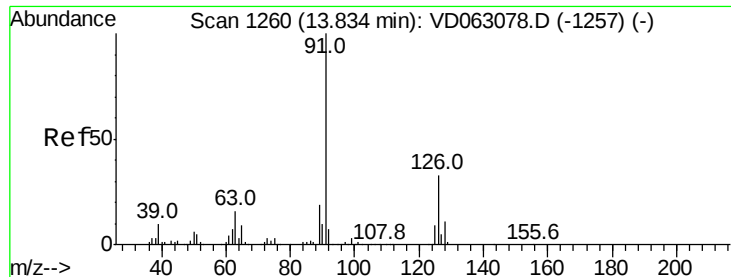
Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.5	31.6





#79

2-Chlorotoluene

Concen: 52.827 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD071519

Tot Ion: 91 Resp: 1246421

Ion Ratio Lower Upper

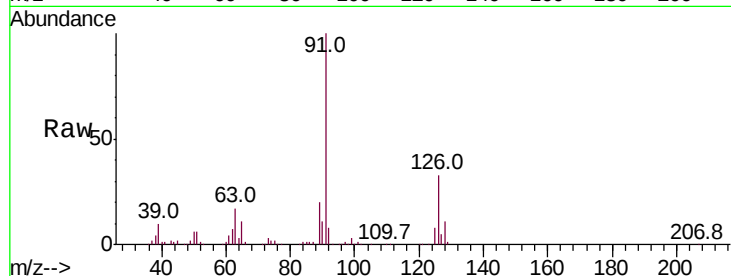
91 100

126 32.5 16.4 49.2

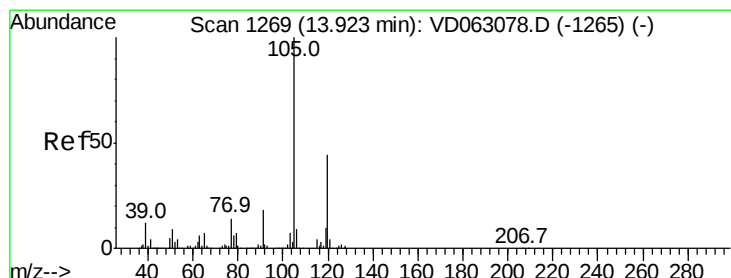
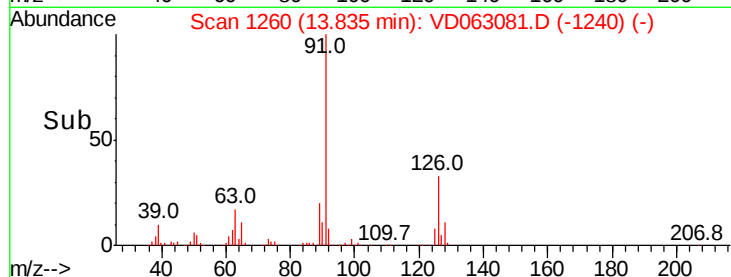
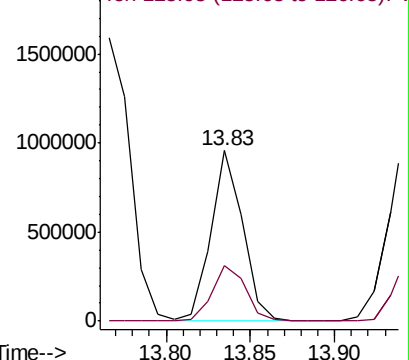
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Abundance Ion 91.00 (90.70 to 91.70): VD063078.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.091 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD063081.D

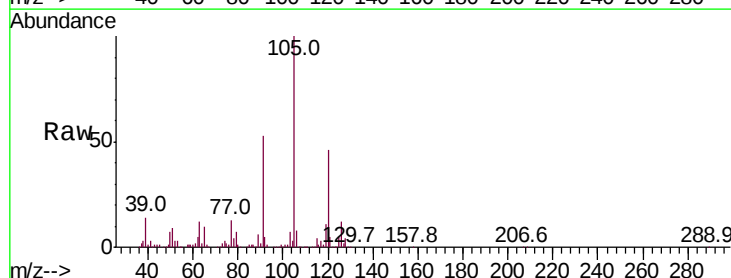
Acq: 15 Jul 2019 15:32

Tgt Ion: 105 Resp: 1628179

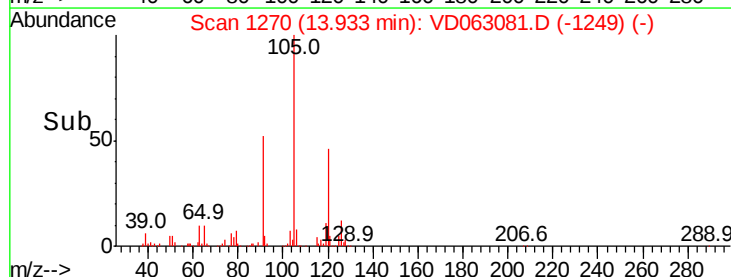
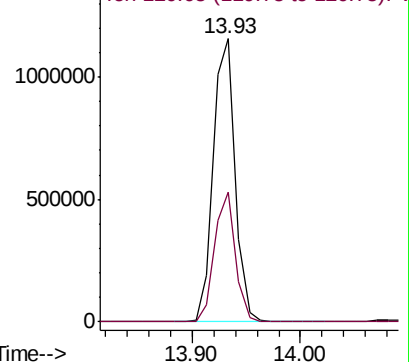
Ion Ratio Lower Upper

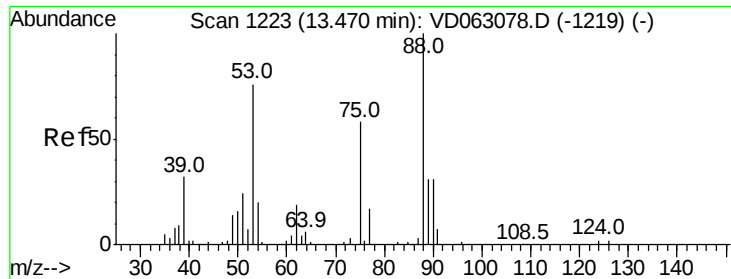
105 100

120 45.8 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): VD063078.D (-1265) (-)





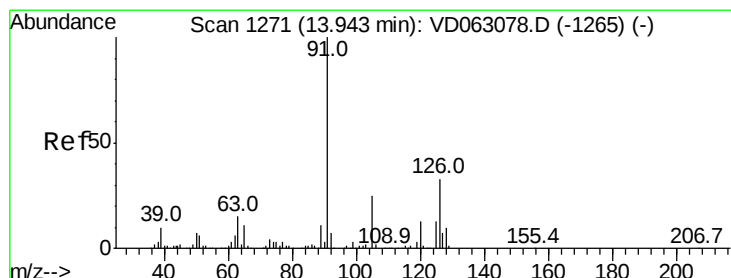
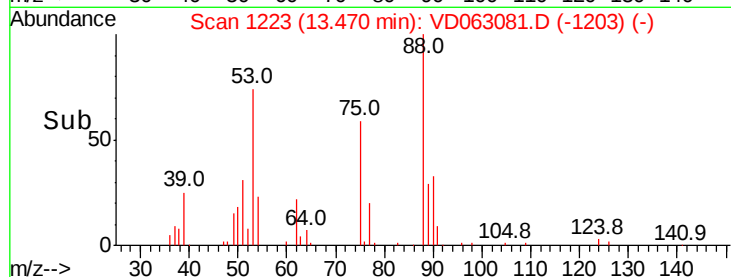
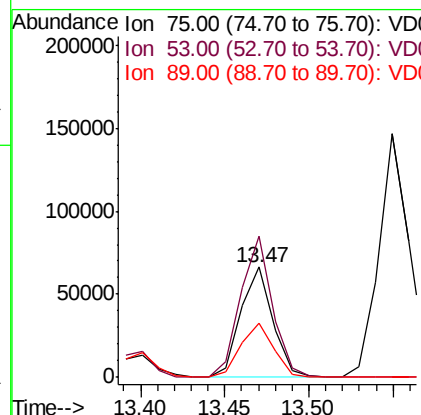
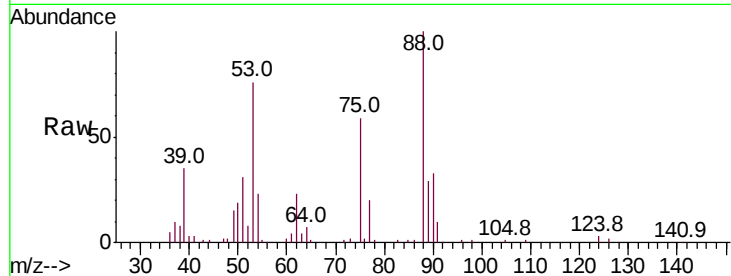
#81
trans-1,4-Dichloro-2-butene
Concen: 49.928 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Tot Ion	Ratio	Lower	Upper
75	100		
53	128.1	104.4	156.6
89	48.6	43.1	64.7

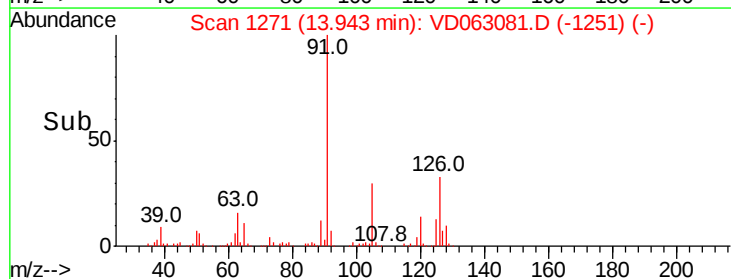
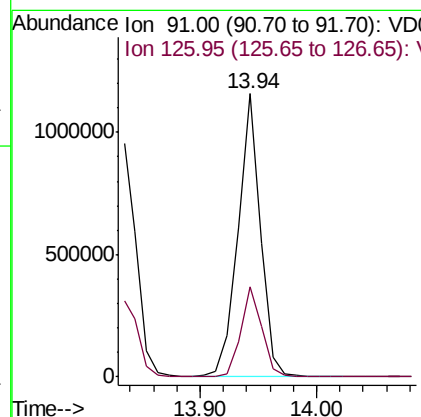
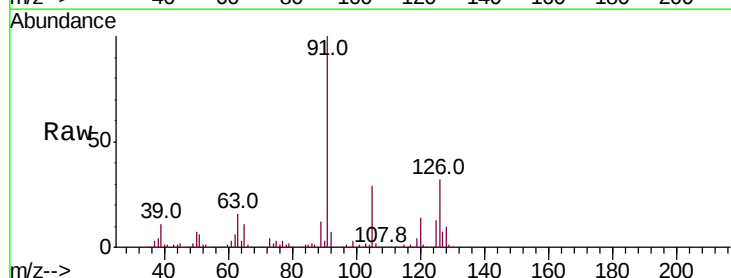
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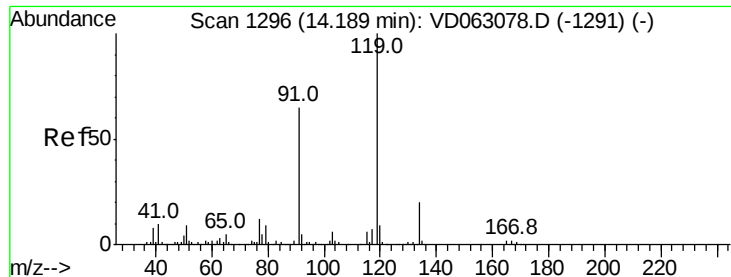
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#82
4-Chlorotoluene
Concen: 55.622 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.7	50.1





#83

tert-Butylbenzene

Concen: 52.471 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VD063081.D

Acq: 15 Jul 2019 15:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD071519

Tot Ion:119 Resp: 1753442

Ion Ratio Lower Upper

119 100

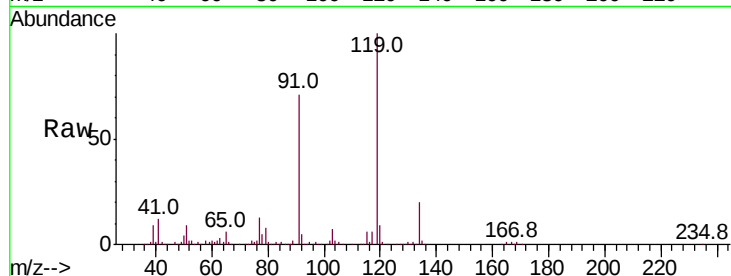
91 71.3 32.4 97.2

134 19.6 10.2 30.6

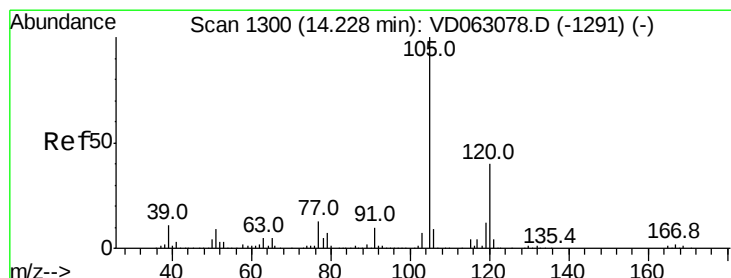
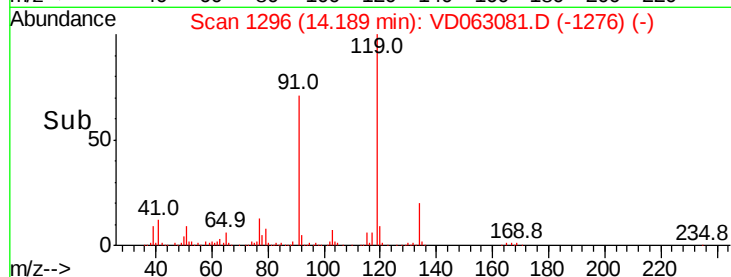
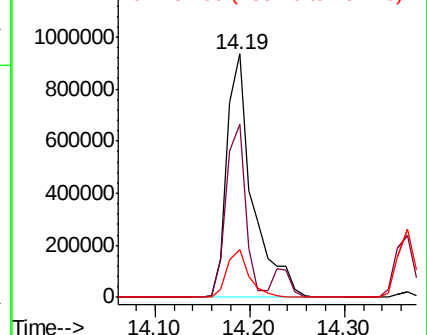
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Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.874 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VD063081.D

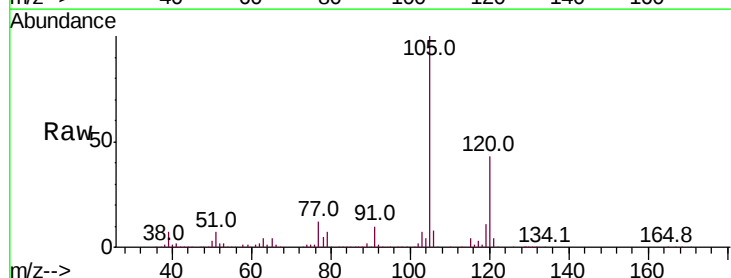
Acq: 15 Jul 2019 15:32

Tgt Ion:105 Resp: 1528429

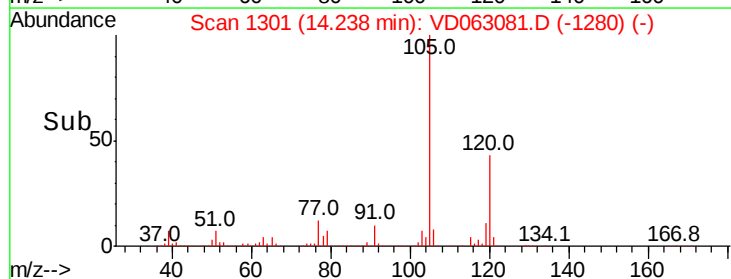
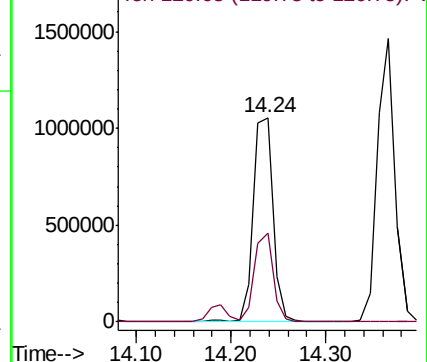
Ion Ratio Lower Upper

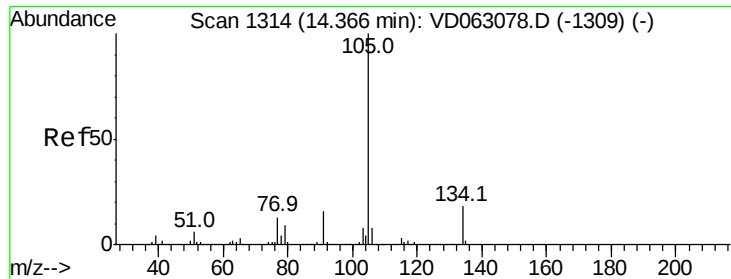
105 100

120 43.3 20.2 60.6



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





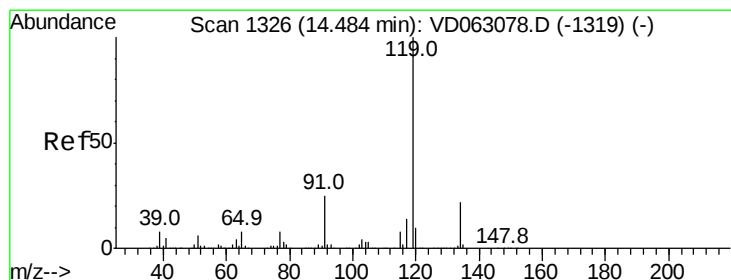
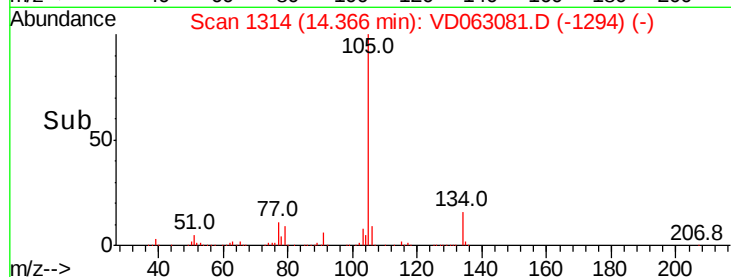
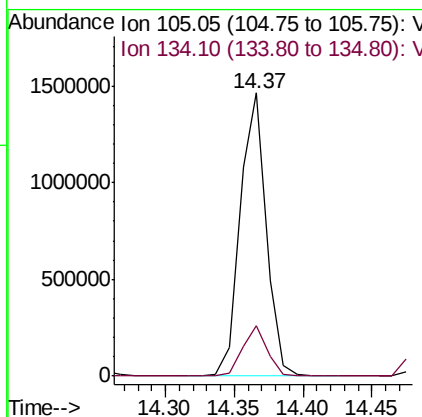
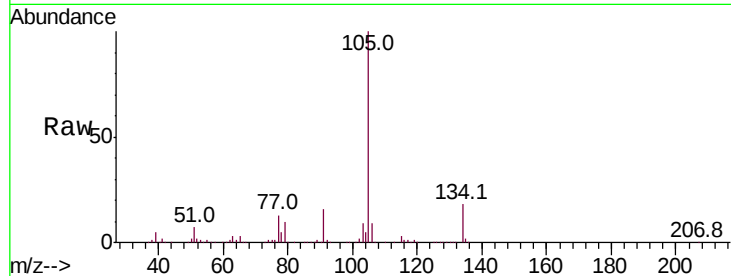
#85
 sec-Butylbenzene
 Concen: 54.092 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD071519

Tot Ion:105 Resp: 1920542
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.9 26.8

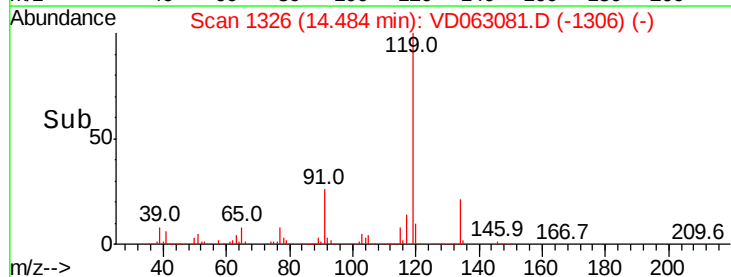
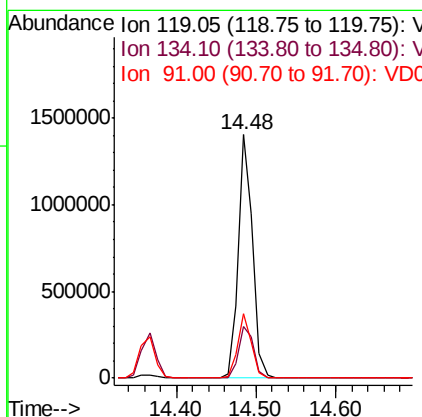
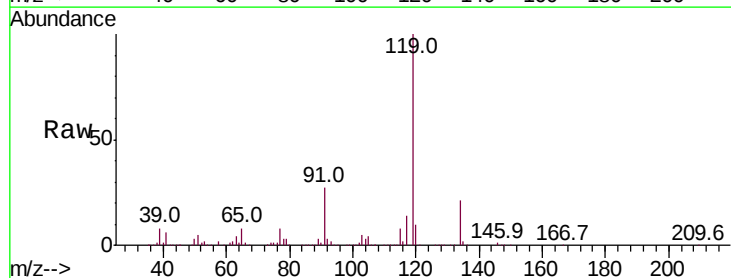
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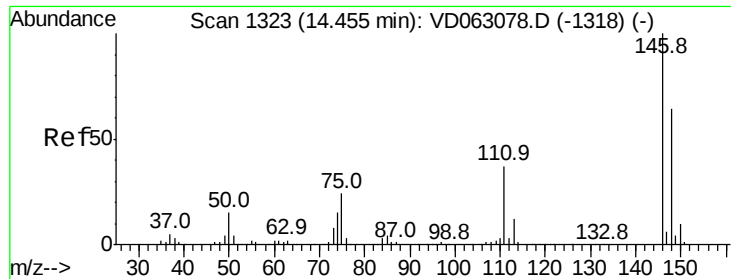
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#86
 p-Isopropyltoluene
 Concen: 53.119 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Tgt Ion:119 Resp: 1759412
 Ion Ratio Lower Upper
 119 100
 134 21.2 10.8 32.4
 91 26.6 12.5 37.5





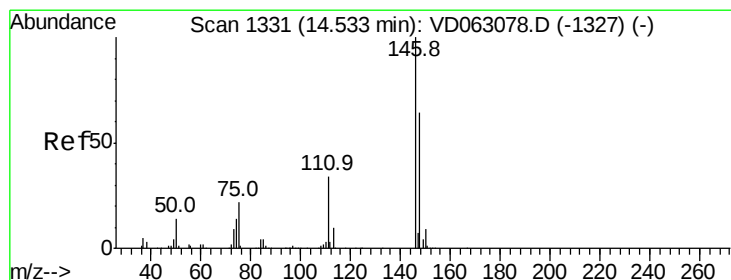
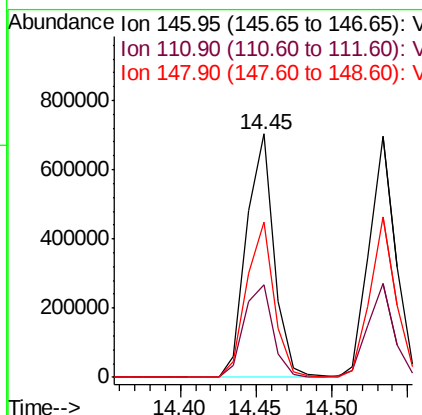
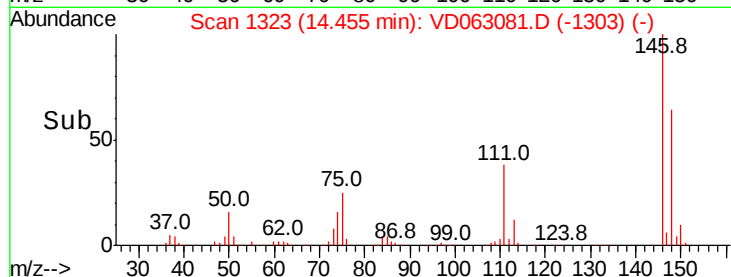
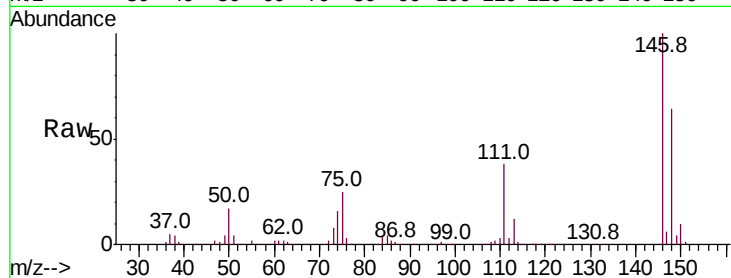
#87
 1,3-Dichlorobenzene
 Concen: 52.045 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD071519

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.6
148	63.9	32.0	96.0

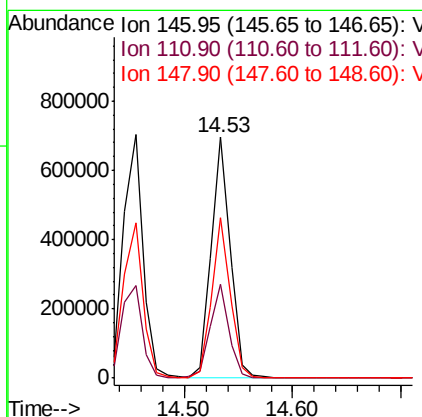
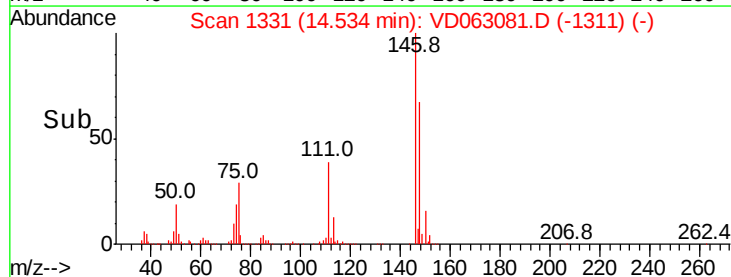
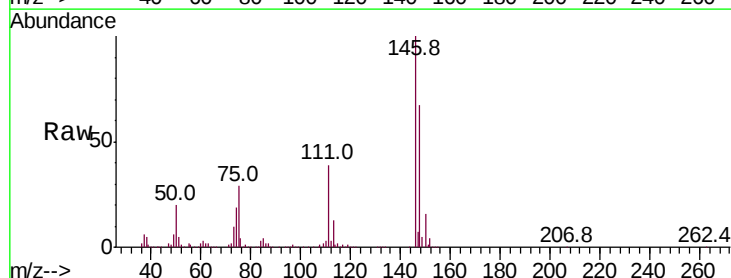
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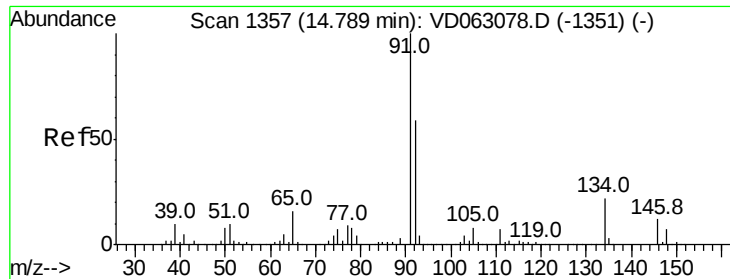
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#88
 1,4-Dichlorobenzene
 Concen: 51.934 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	17.0	51.0
148	66.6	32.0	96.2





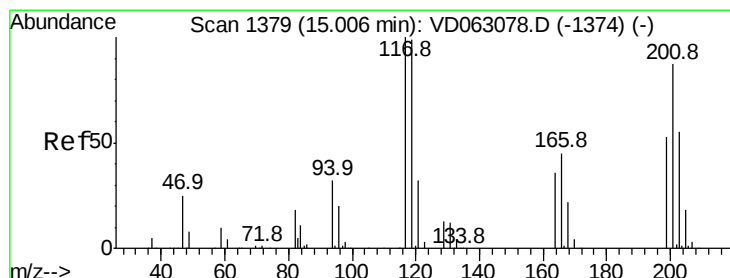
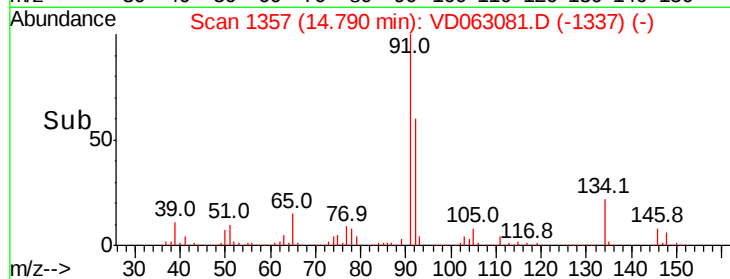
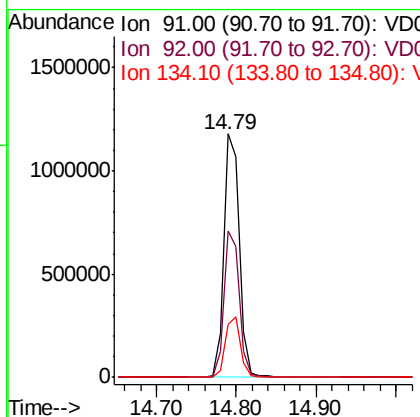
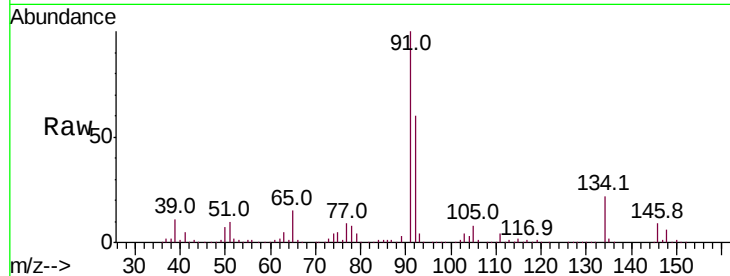
#89
n-Butylbenzene
Concen: 52.906 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Tot Ion: 91 Resp: 1615169
Ion Ratio Lower Upper
91 100
92 60.0 29.4 88.3
134 21.5 11.3 33.8

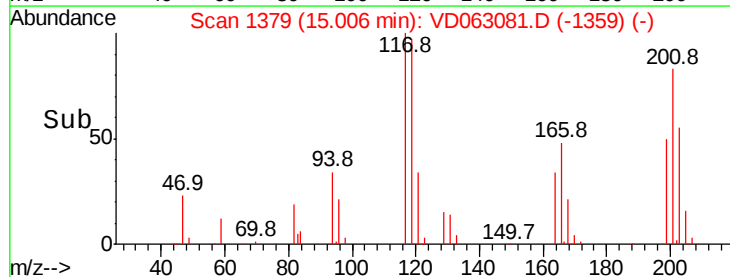
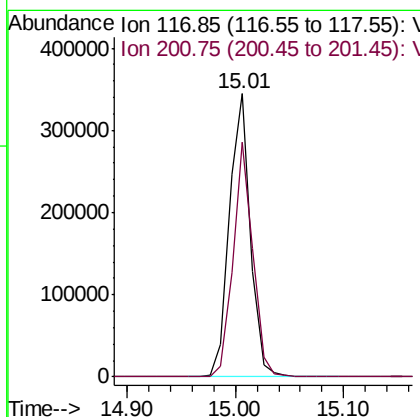
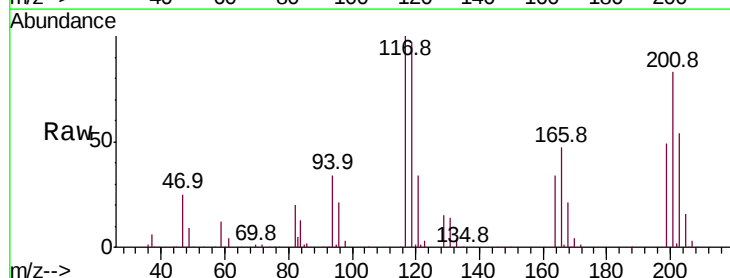
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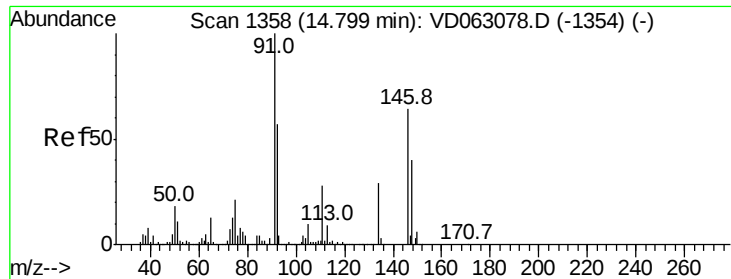
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#90
Hexachloroethane
Concen: 52.385 ug/l
RT: 15.01 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion: 117 Resp: 463838
Ion Ratio Lower Upper
117 100
201 82.8 43.4 130.1





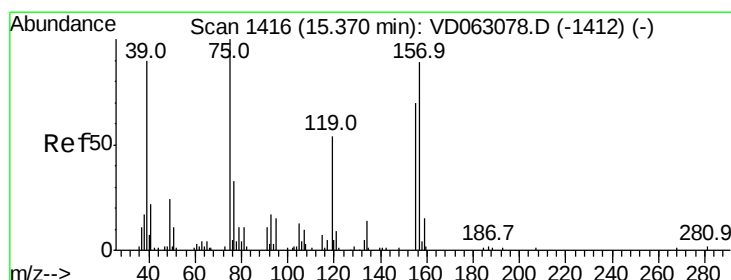
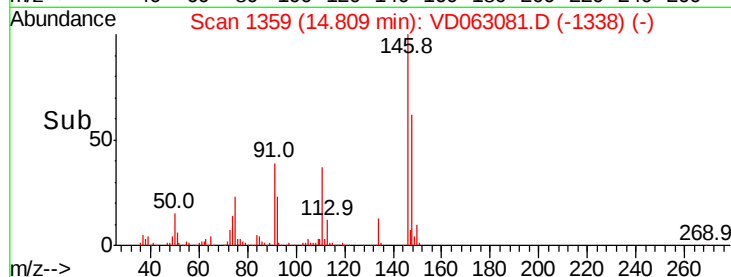
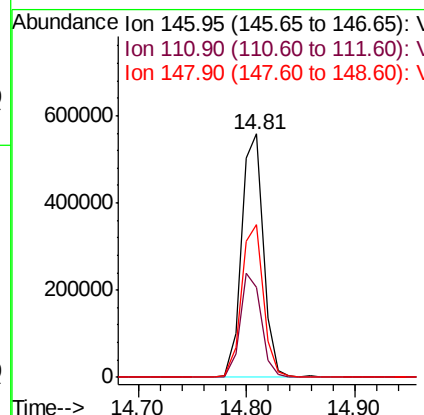
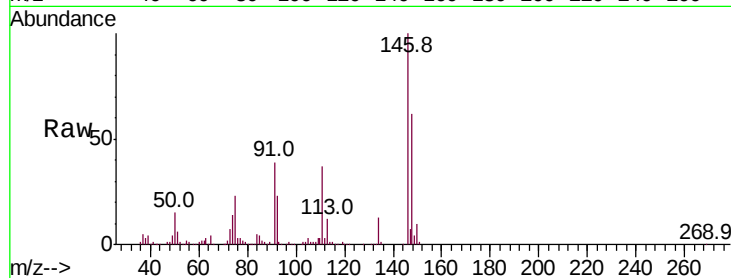
#91
 1,2-Dichlorobenzene
 Concen: 51.382 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD071519

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	21.9	65.5
148	62.5	31.5	94.5

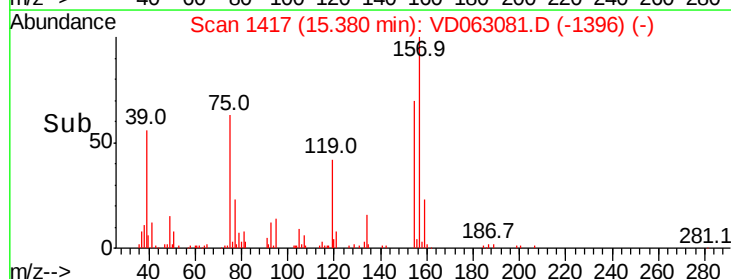
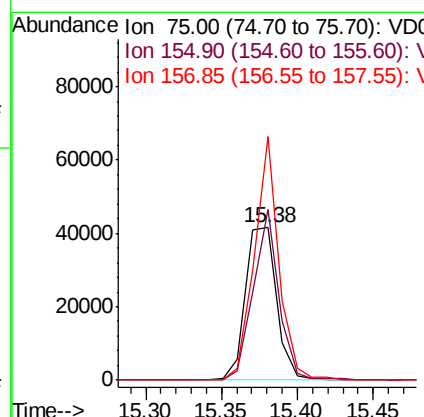
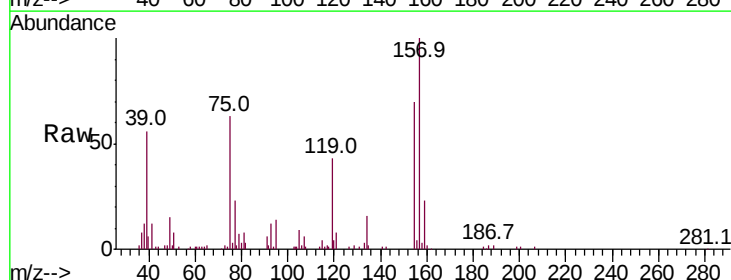
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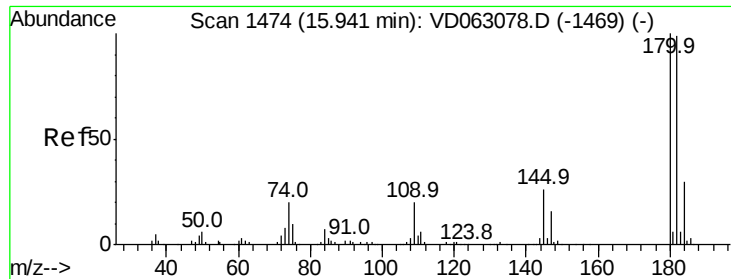
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 7/16/2019 9:15:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.077 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	111.8	34.8	104.3#
157	159.8	44.7	134.1#





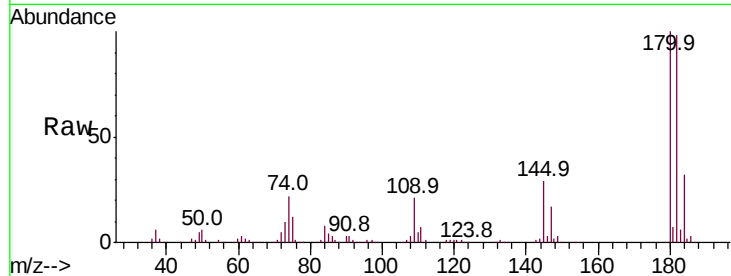
#93
 1,2,4-Trichlorobenzene
 Concen: 54.264 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. 0.00 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD071519

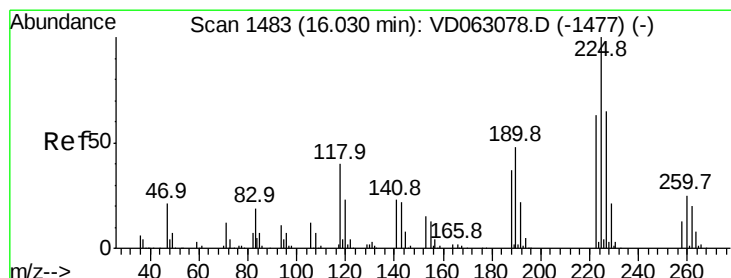
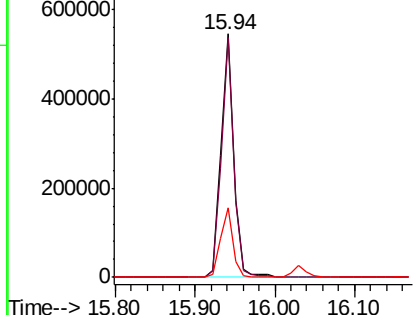
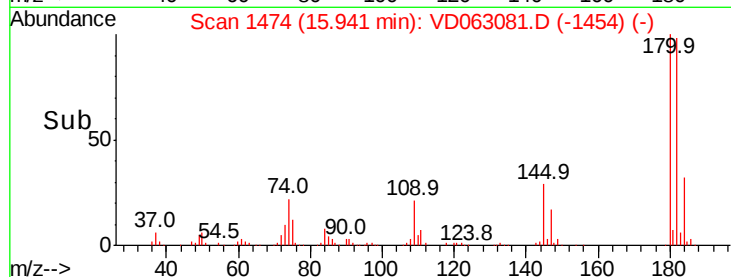
Tot Ion	Ratio	Resp	Lower	Upper
180	100	623425		
182	98.5	49.5	148.3	
145	28.5	12.8	38.4	

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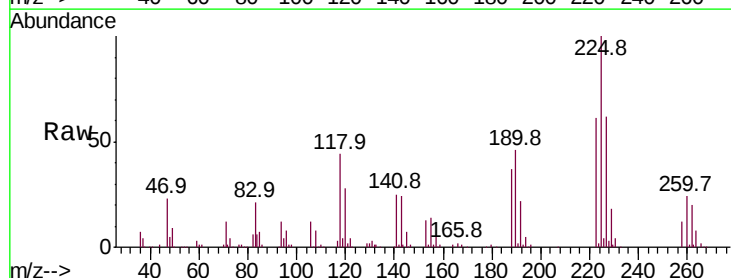


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

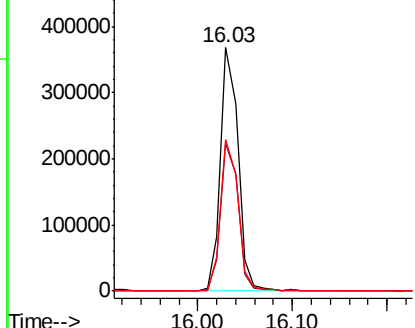
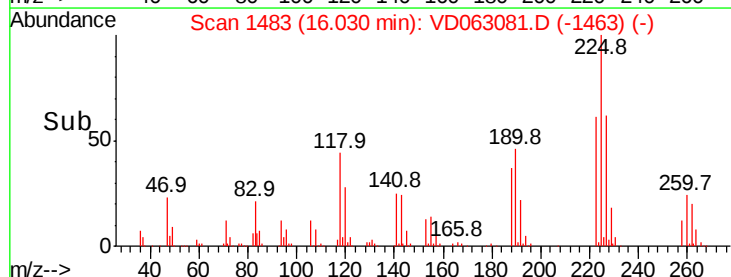


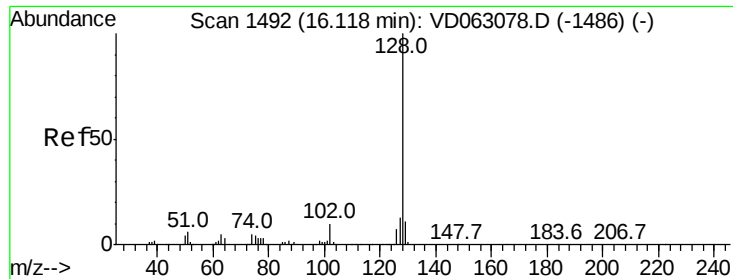
#94
 Hexachlorobutadiene
 Concen: 56.325 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: VD063081.D
 Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	476972		
223	60.6	31.4	94.2	
227	62.0	32.6	97.8	



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





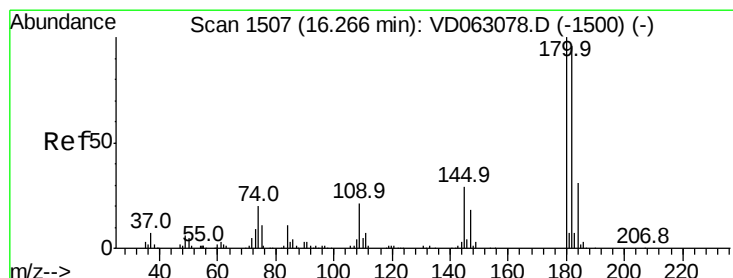
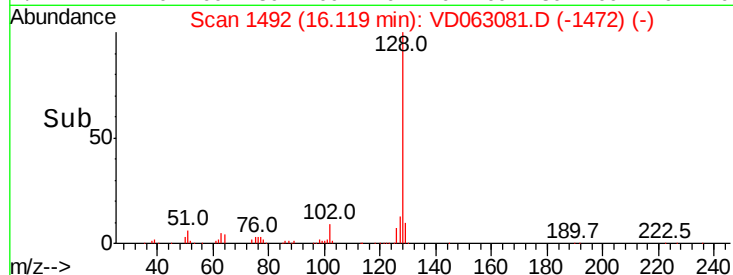
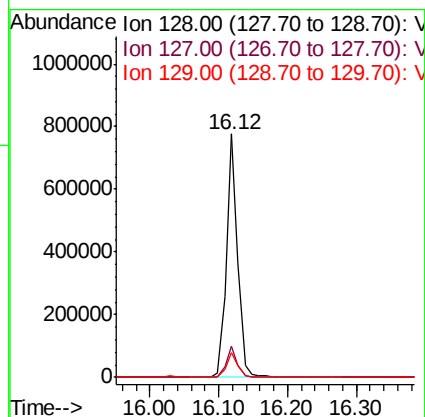
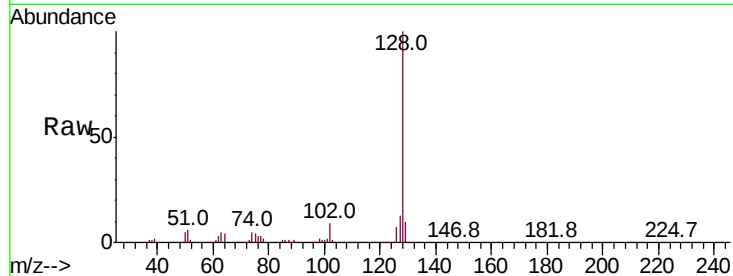
#95
Naphthalene
Concen: 52.297 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.7	16.1
129	10.1	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 52.871 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VD063081.D
Acq: 15 Jul 2019 15:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.6
145	30.5	14.4	43.4

