

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063119.D
 Acq On : 16 Jul 2019 21:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 9:23:34 AM

Quant Time: Jul 17 09:05:57 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	7.03	168	576817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	832253	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	712271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	395689	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	334227	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
35) Dibromofluoromethane	6.91	113	370007	44.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.28%	
50) Toluene-d8	10.39	98	769176	43.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.40%	
62) 4-Bromofluorobenzene	13.54	95	353264	42.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	315947	51.404	ug/l	98
3) Chloromethane	1.74	50	270365	51.912	ug/l #	85
4) Vinyl Chloride	1.83	62	279537	45.407	ug/l	98
5) Bromomethane	2.14	94	137150	59.033	ug/l	96
6) Chloroethane	2.26	64	145340	50.824	ug/l	94
7) Trichlorofluoromethane	2.52	101	619144	49.681	ug/l	93
8) Diethyl Ether	2.86	74	82292	46.942	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.13	101	325841	45.344	ug/l	95
10) Methyl Iodide	3.29	142	427850	48.498	ug/l	99
11) Tert butyl alcohol	4.05	59	94309	227.429	ug/l #	92
12) 1,1-Dichloroethene	3.11	96	252382	49.458	ug/l	97
13) Acrolein	3.01	56	17968	143.565	ug/l	94
14) Allyl chloride	3.60	41	401567	50.071	ug/l	98
15) Acrylonitrile	4.18	53	235384	256.789	ug/l	99
16) Acetone	3.21	43	374304	215.678	ug/l	98
17) Carbon Disulfide	3.35	76	662017	45.324	ug/l	100
18) Methyl Acetate	3.63	43	158125	67.794	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	643731	49.974	ug/l	97
20) Methylene Chloride	3.80	84	283717	43.273	ug/l	95
21) trans-1,2-Dichloroethene	4.20	96	277228	48.939	ug/l	88
22) Diisopropyl ether	5.11	45	904998	51.901	ug/l	99
23) Vinyl Acetate	5.04	43	2740902	269.431	ug/l	98
24) 1,1-Dichloroethane	4.96	63	550628	51.265	ug/l	97
25) 2-Butanone	6.06	43	401436	242.232	ug/l	96
26) 2,2-Dichloropropane	6.00	77	531374	44.701	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	323231	50.160	ug/l	92
28) Bromochloromethane	6.43	49	203769	52.292	ug/l	93
29) Tetrahydrofuran	6.45	42	200118	266.385	ug/l	98
30) Chloroform	6.64	83	695573	52.583	ug/l	98
31) Cyclohexane	6.94	56	319273	46.675	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	703455	53.929	ug/l	96
36) 1,1-Dichloropropene	7.13	75	404928	43.261	ug/l	96
37) Ethyl Acetate	6.17	43	215646	53.832	ug/l #	95
38) Carbon Tetrachloride	7.10	117	639681m	44.975	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	344304	42.547	ug/l	98
40) Benzene	7.44	78	973514	49.659	ug/l	100
41) Methacrylonitrile	6.44	41	264229	48.651	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	496265	47.515	ug/l	96
43) Isopropyl Acetate	9.23	43	262353	45.691	ug/l #	96
44) Trichloroethene	8.52	130	367031	48.445	ug/l	100
45) 1,2-Dichloropropane	8.93	63	231303	47.323	ug/l	94
46) Dibromomethane	9.05	93	205816	49.002	ug/l	93
47) Bromodichloromethane	9.36	83	536959	48.991	ug/l #	94
48) Methyl methacrylate	9.10	41	182669	48.445	ug/l	93
49) 1,4-Dioxane	9.07	88	34893	1072.997	ug/l #	90
51) 4-Methyl-2-Pentanone	10.28	43	961859	252.566	ug/l	96
52) Toluene	10.49	92	609542	46.562	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	453899	48.337	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	454743	46.835	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	227756	50.344	ug/l	93
56) Ethyl methacrylate	11.03	69	246006	48.669	ug/l	95
57) 1,3-Dichloropropane	11.40	76	349066	50.707	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.84	63	706223	250.924	ug/l	100
59) 2-Hexanone	11.53	43	719663	245.031	ug/l	98
60) Dibromochloromethane	11.67	129	435743	50.247	ug/l	97
61) 1,2-Dibromoethane	11.79	107	281161	51.920	ug/l	98
64) Tetrachloroethene	11.25	164	324394	46.936	ug/l	94
65) Chlorobenzene	12.39	112	753235	44.987	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	370444	47.721	ug/l	96
67) Ethyl Benzene	12.52	91	1369732	47.083	ug/l	98
68) m/p-Xylenes	12.66	106	935011	89.733	ug/l	93
69) o-Xylene	13.04	106	439028	44.435	ug/l	93
70) Styrene	13.06	104	803229	46.444	ug/l	96
71) Bromoform	13.23	173	270499	49.773	ug/l	98
73) Isopropylbenzene	13.40	105	1395106	45.654	ug/l	98
74) N-amyl acetate	13.26	43	396336	46.506	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	261298	46.998	ug/l	90
76) 1,2,3-Trichloropropane	13.73	75	290745	47.766	ug/l	99
77) Bromobenzene	13.66	156	401241	46.302	ug/l	84
78) n-propylbenzene	13.77	91	1490018	42.372	ug/l	99
79) 2-Chlorotoluene	13.83	91	912797	42.931	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1199792	45.050	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	74530	46.497	ug/l	93
82) 4-Chlorotoluene	13.94	91	1173794	47.277	ug/l	91
83) tert-Butylbenzene	14.18	119	1442539	47.903	ug/l	92
84) 1,2,4-Trimethylbenzene	14.23	105	1240212	46.709	ug/l	100
85) sec-Butylbenzene	14.36	105	1489838	46.564	ug/l	100
86) p-Isopropyltoluene	14.49	119	1221678	40.930	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	624340	40.343	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	694117	46.785	ug/l	97
89) n-Butylbenzene	14.79	91	1209595	43.968	ug/l	98
90) Hexachloroethane	15.00	117	352667	44.199	ug/l	80
91) 1,2-Dichlorobenzene	14.80	146	640158	46.454	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	50715	47.589	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	470673	45.462	ug/l	98
94) Hexachlorobutadiene	16.03	225	358907	47.032	ug/l	99
95) Naphthalene	16.12	128	731345	48.292	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	340156	40.842	ug/l	98

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

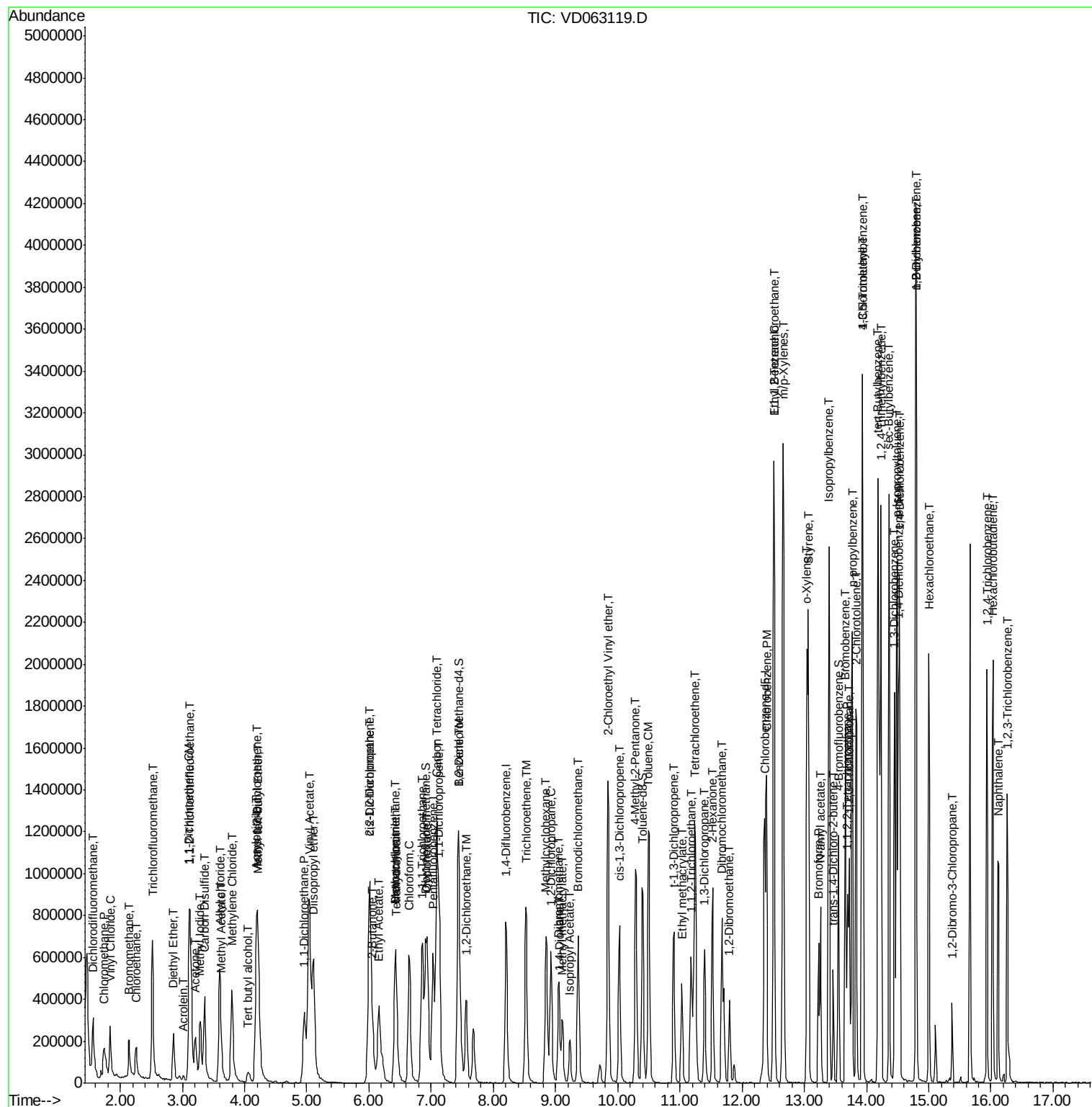
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 Operator : VA/AP
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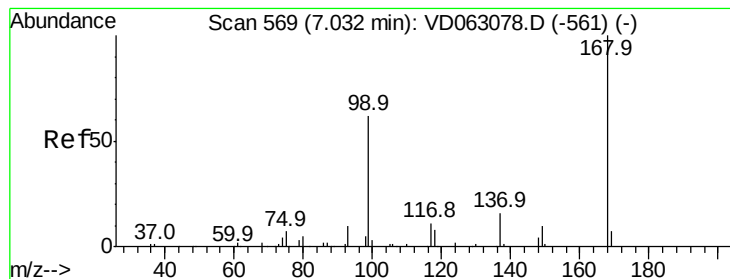
Instrument :
 MSVOA_D
 Client Sample ID :
 VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 576817

Ion Ratio Lower Upper

168 100

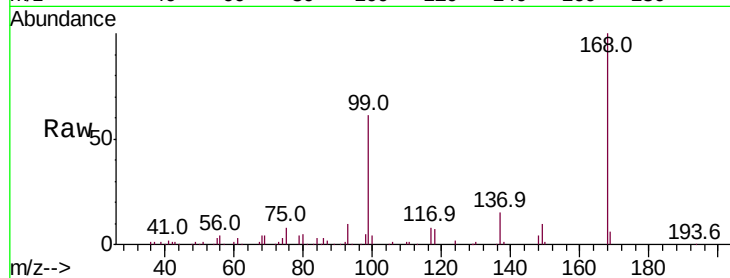
99 61.0 50.8 76.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

200000

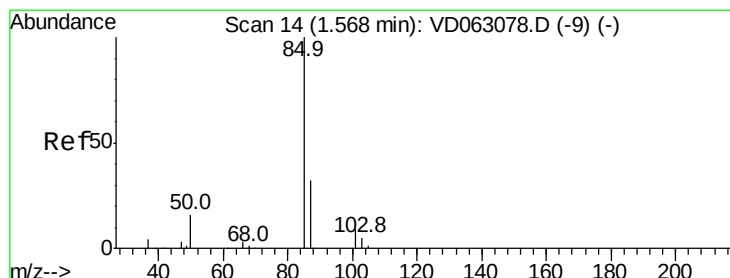
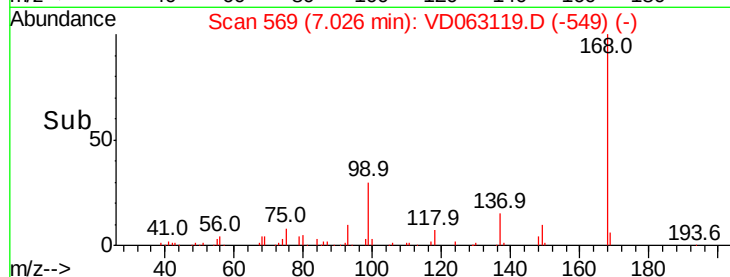
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.404 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063119.D

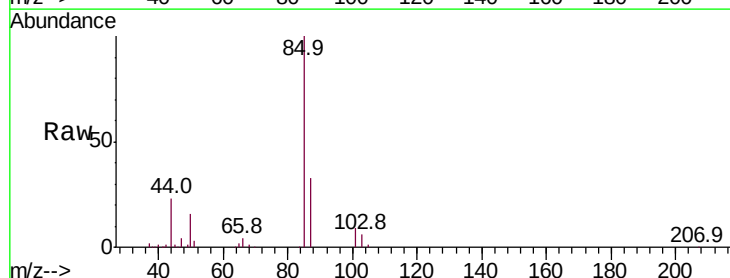
Acq: 16 Jul 2019 21:04

Tgt Ion: 85 Resp: 315947

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

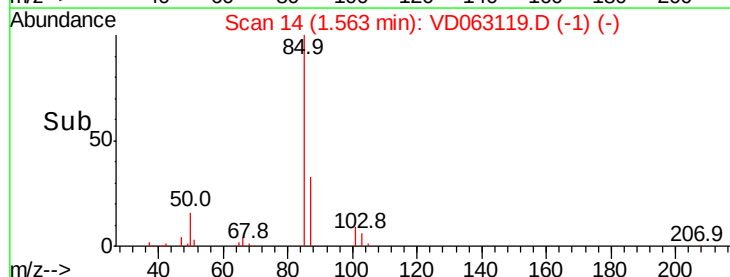
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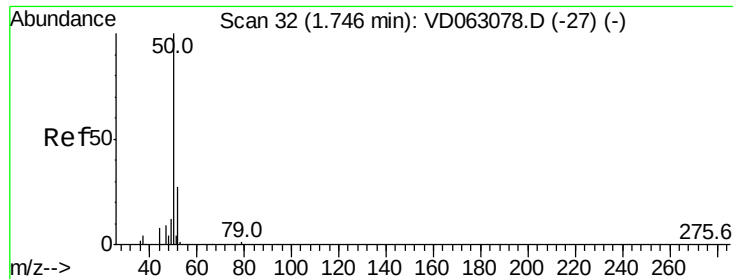
100000

50000

0

Time-->





#3

Chloromethane

Concen: 51.912 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 270365

Ion Ratio Lower Upper

50 100

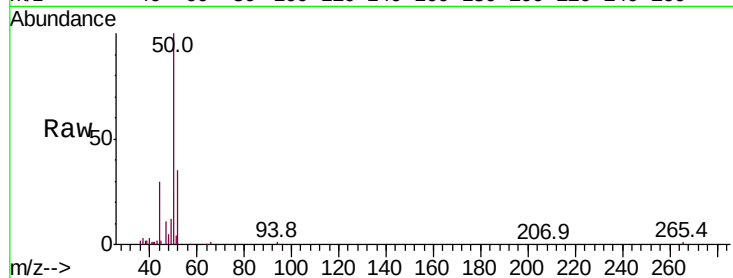
52 34.7 21.4 32.2#

Manual Integrations

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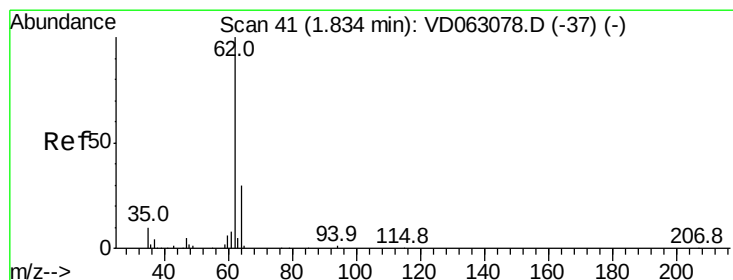
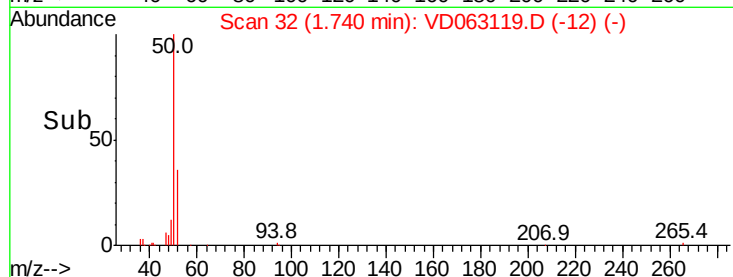
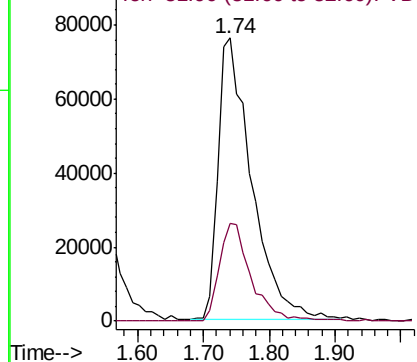
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.407 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD063119.D

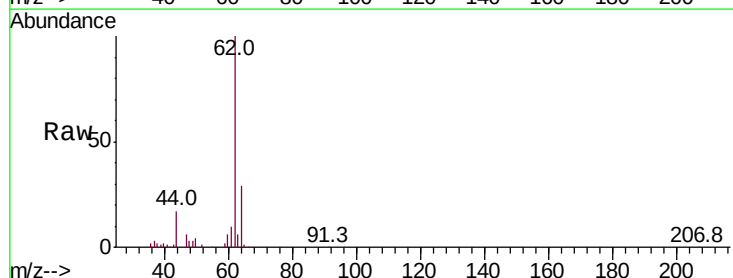
Acq: 16 Jul 2019 21:04

Tgt Ion: 62 Resp: 279537

Ion Ratio Lower Upper

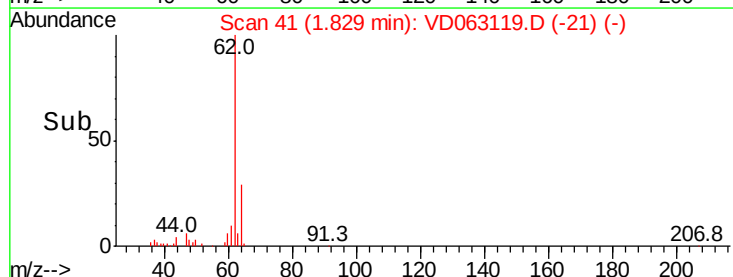
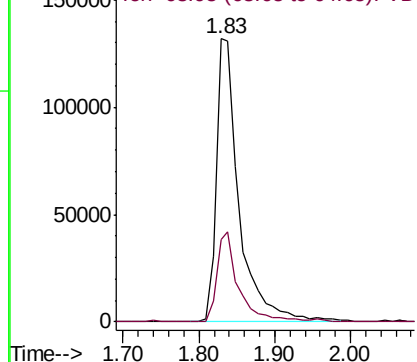
62 100

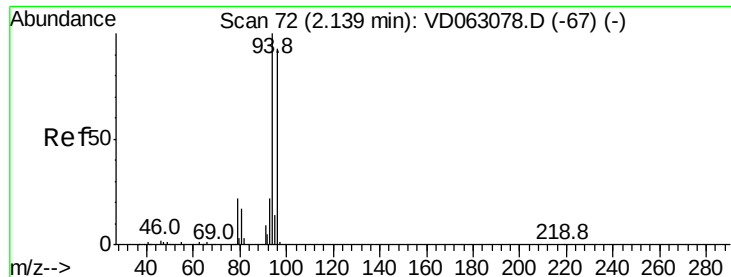
64 29.2 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 59.033 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

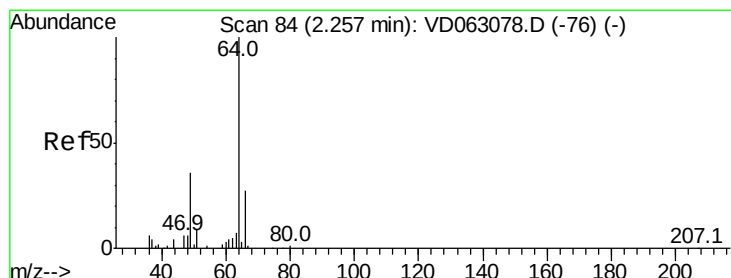
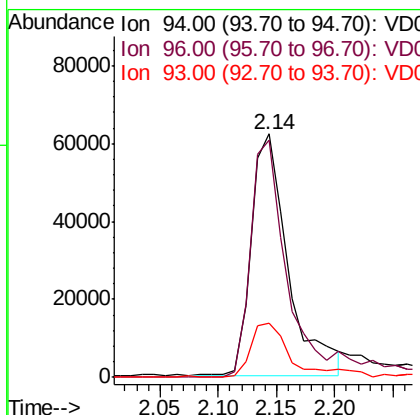
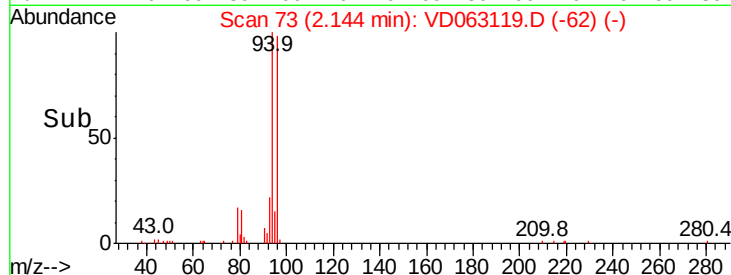
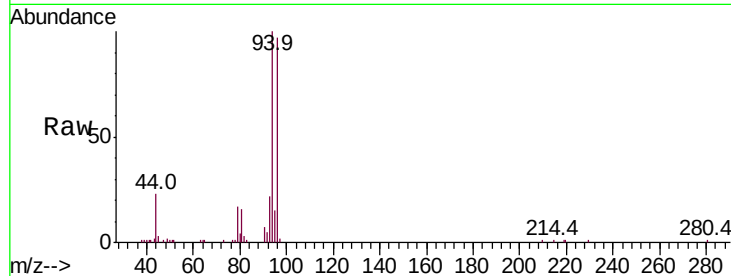
ClientSampleId :

VSTDCCC050EC

Tot Ion:	94	Resp:	137150
Ion	Ratio	Lower	Upper
94	100		
96	97.2	74.2	111.2
93	22.1	17.8	26.6

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#6

Chloroethane

Concen: 50.824 ug/l

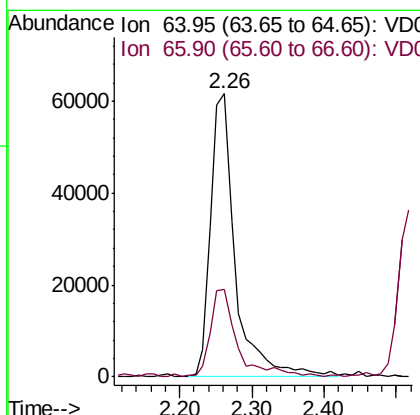
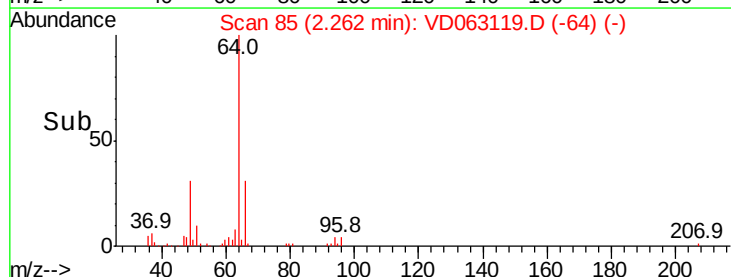
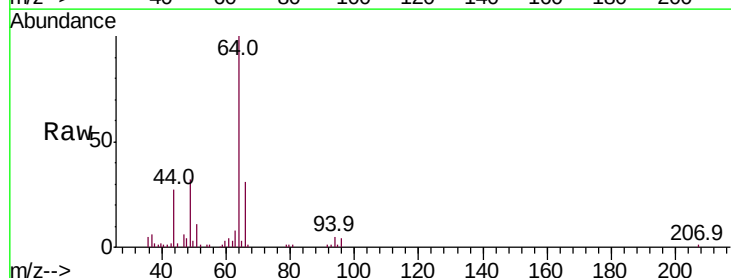
RT: 2.26 min Scan# 85

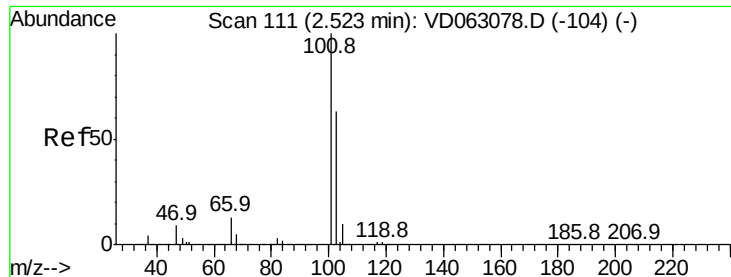
Delta R.T. 0.00 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Tgt Ion:	64	Resp:	145340
Ion	Ratio	Lower	Upper
64	100		
66	31.0	22.5	33.7





#7

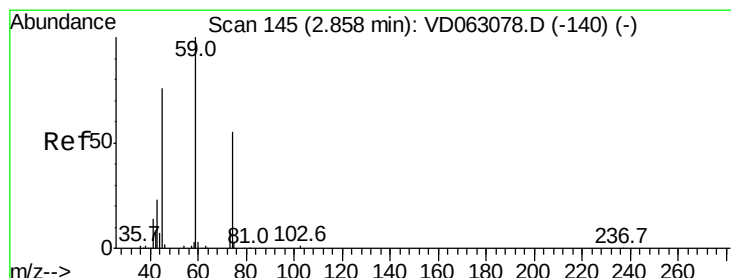
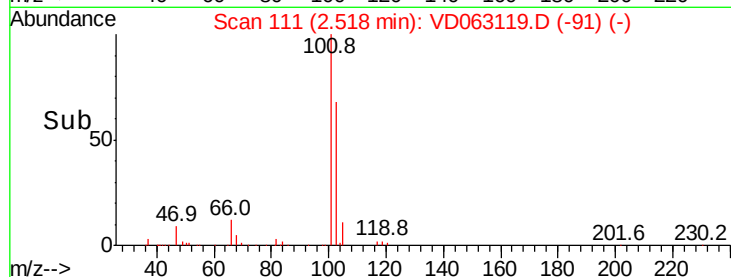
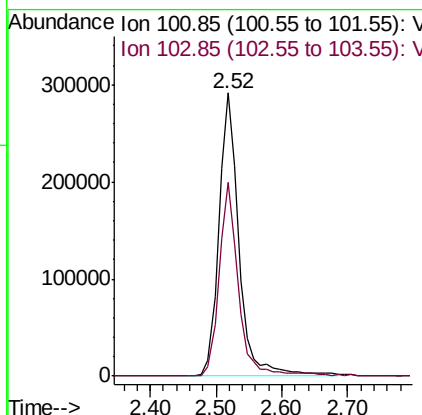
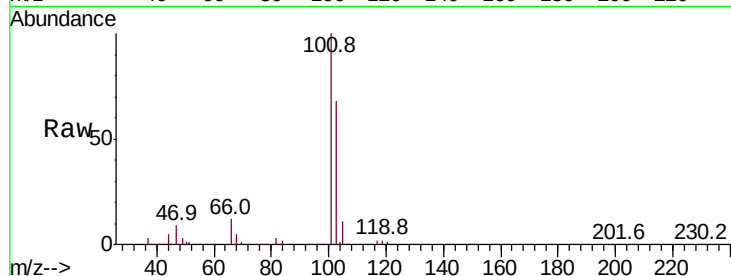
Trichlorofluoromethane
Concen: 49.681 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

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Tot Ion:101 Resp: 619144
Ion Ratio Lower Upper
101 100
103 68.4 50.6 76.0

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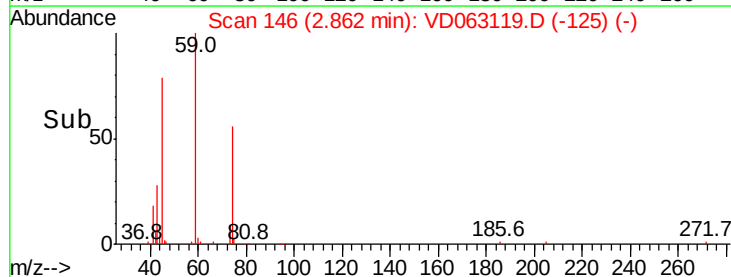
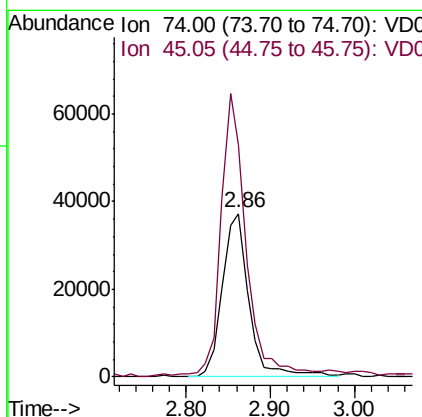
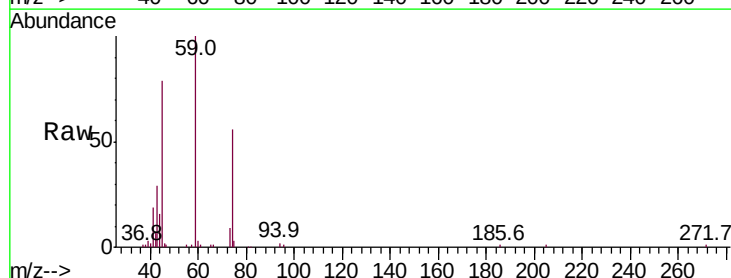
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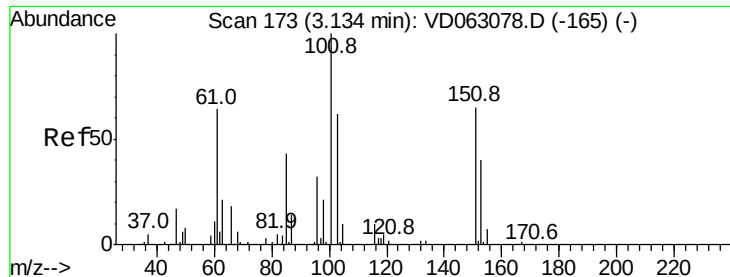


#8

Diethyl Ether
Concen: 46.942 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 74 Resp: 82292
Ion Ratio Lower Upper
74 100
45 142.1 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.344 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

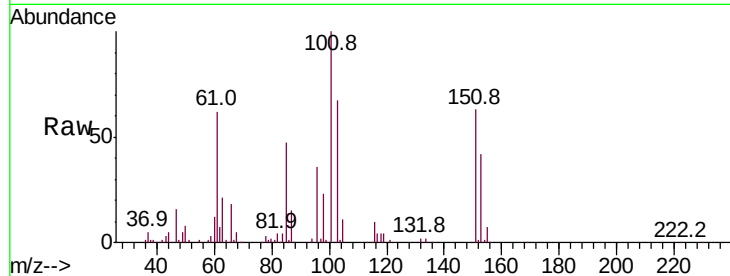
ClientSampleId :

VSTDCCC050EC

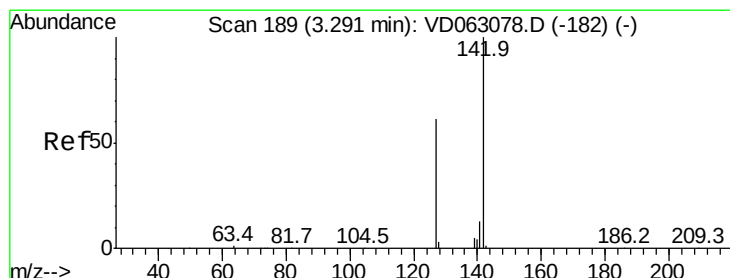
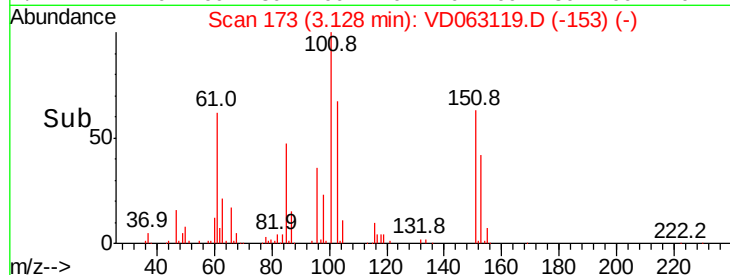
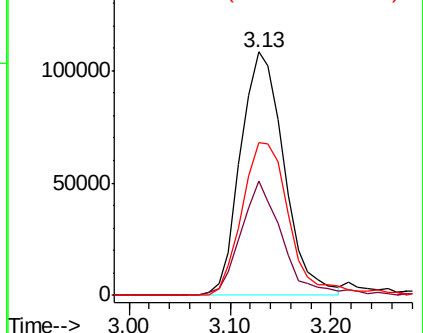
Tot Ion:	101	Resp:	325841
Ion Ratio	Lower	Upper	
101	100		
85	47.1	34.6	51.8
151	62.6	52.4	78.6

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



#10

Methyl Iodide

Concen: 48.498 ug/l

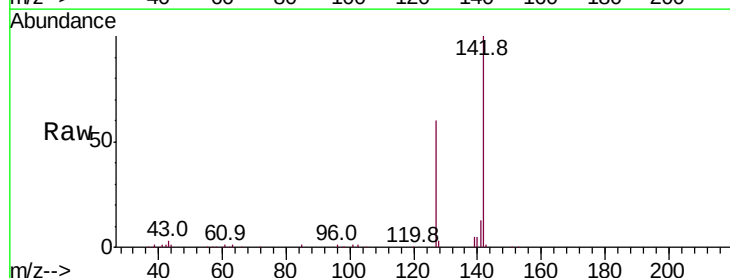
RT: 3.29 min Scan# 189

Delta R.T. -0.01 min

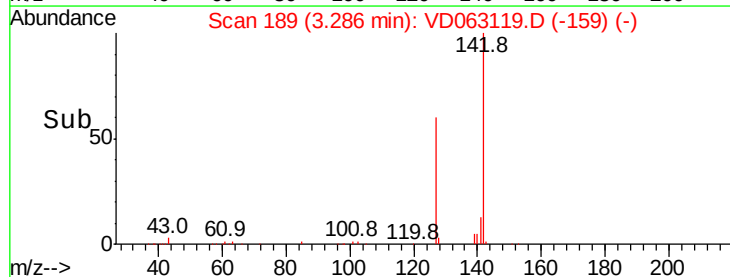
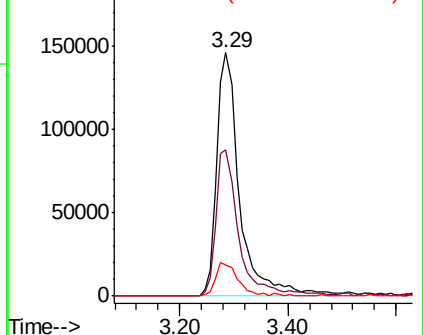
Lab File: VD063119.D

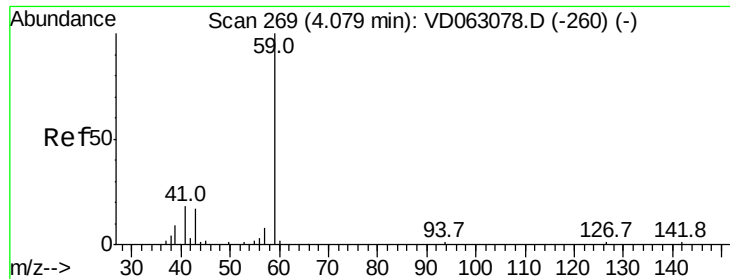
Acq: 16 Jul 2019 21:04

Tgt Ion:	142	Resp:	427850
Ion Ratio	Lower	Upper	
142	100		
127	60.3	48.6	73.0
141	12.8	10.6	16.0



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





#11

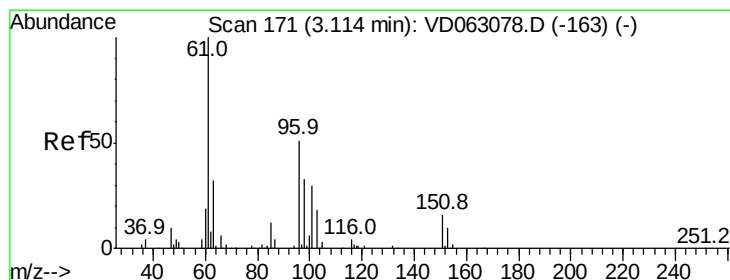
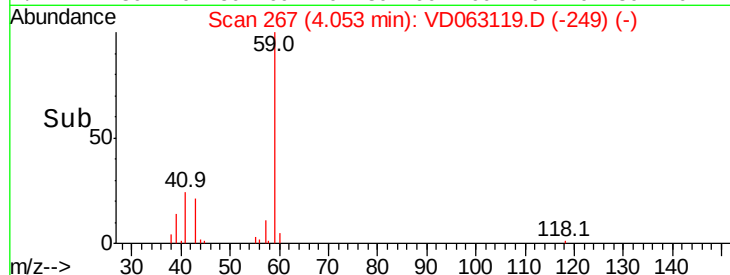
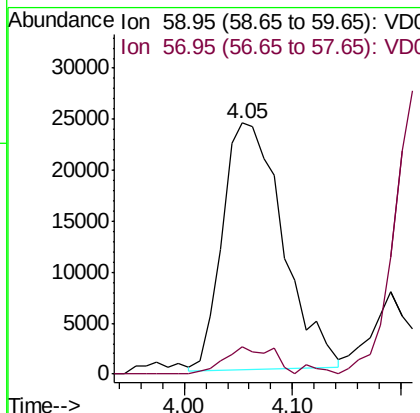
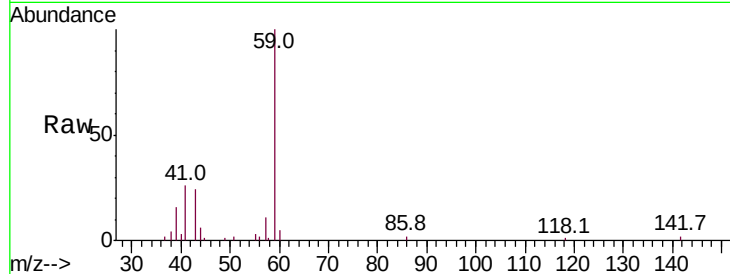
Tert butyl alcohol
Concen: 227.429 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	6.4	9.6#

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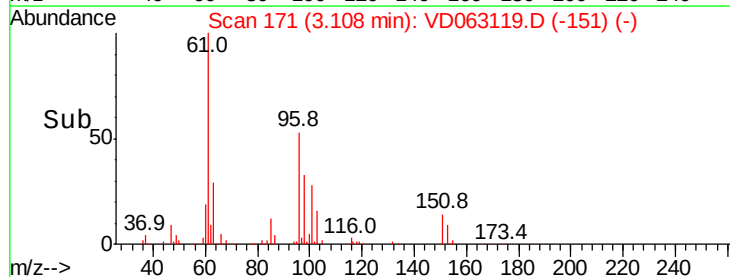
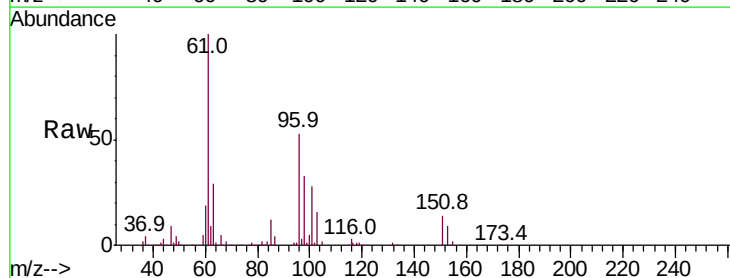
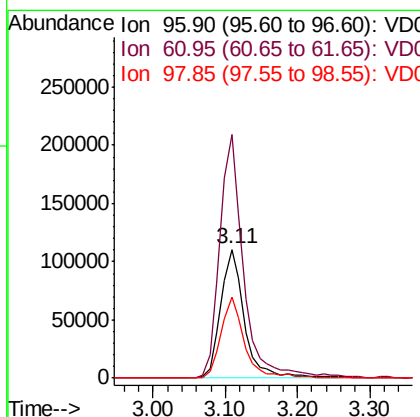
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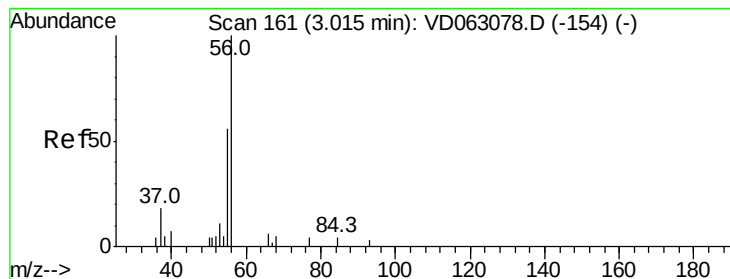


#12

1,1-Dichloroethene
Concen: 49.458 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.2	155.5	233.3
98	62.7	51.5	77.3





#13

Acrolein

Concen: 143.565 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 17968

Ion Ratio Lower Upper

56 100

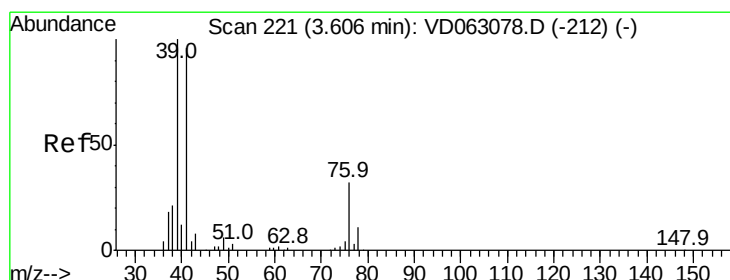
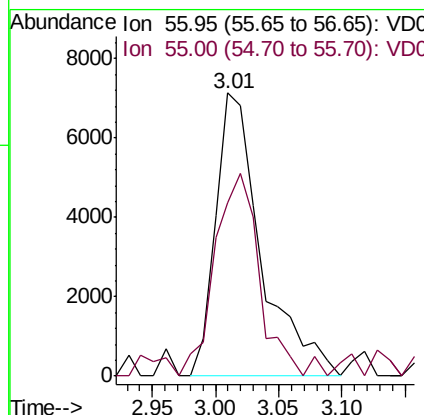
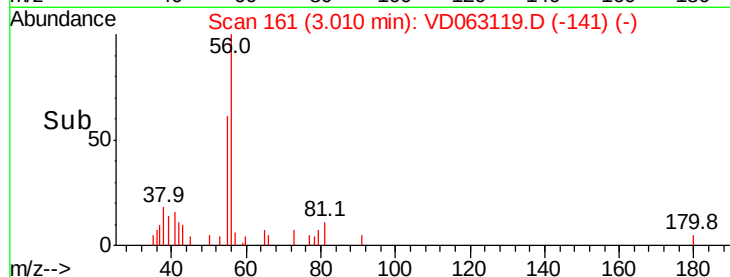
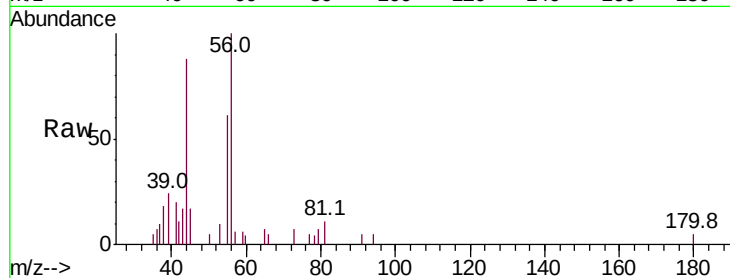
55 61.0 53.0 79.4

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#14

Allyl chloride

Concen: 50.071 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

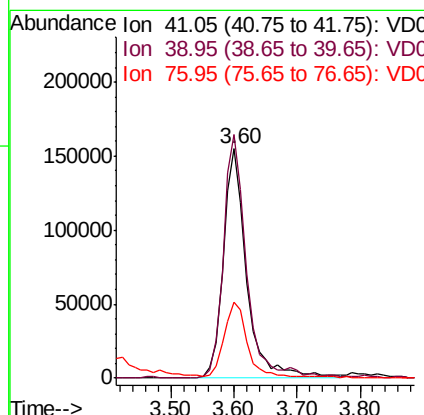
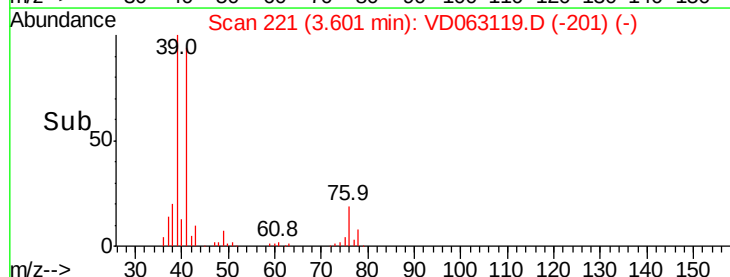
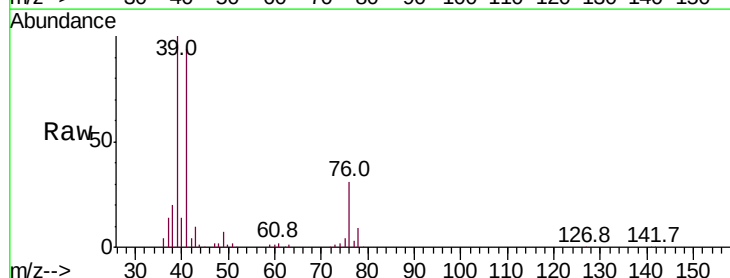
Tgt Ion: 41 Resp: 401567

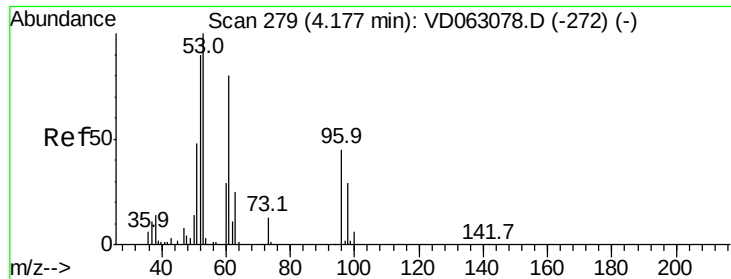
Ion Ratio Lower Upper

41 100

39 106.3 83.5 125.3

76 33.1 27.8 41.8





#15

Acrylonitrile

Concen: 256.789 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

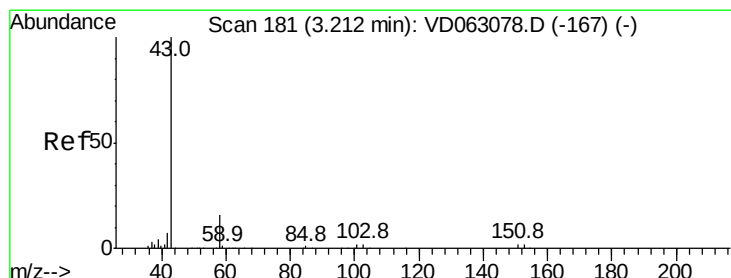
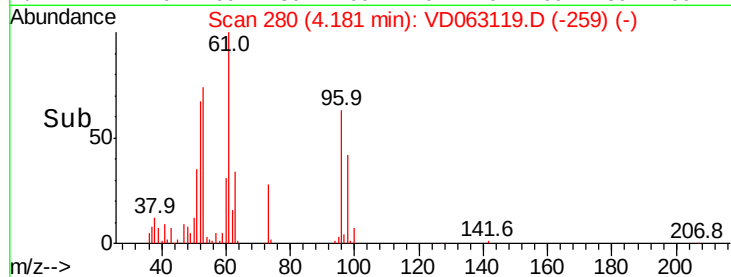
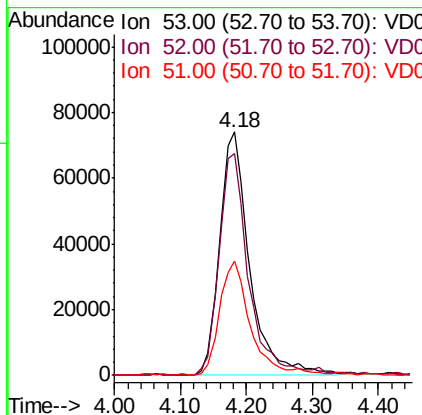
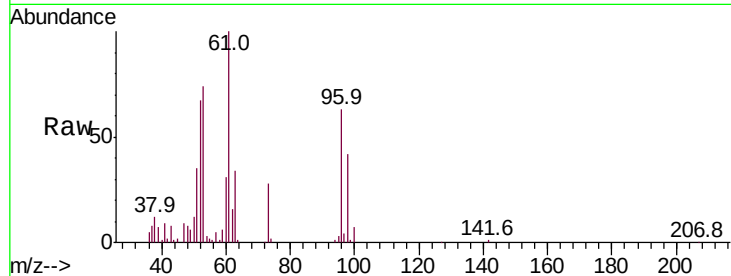
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	235384
Ion Ratio	Lower	Upper	
53	100		
52	91.2	72.3	108.5
51	46.8	38.0	57.0

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#16

Acetone

Concen: 215.678 ug/l

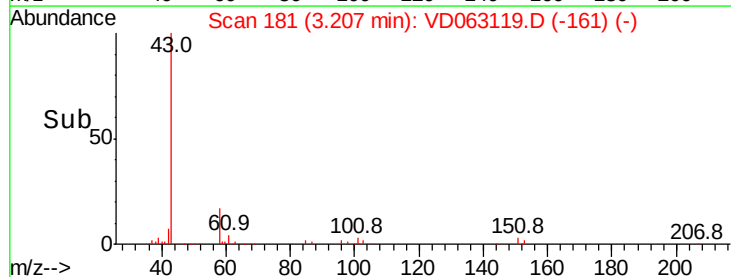
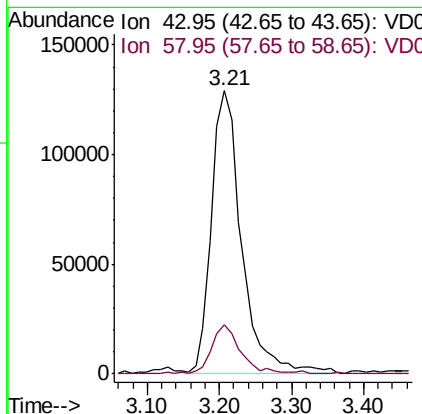
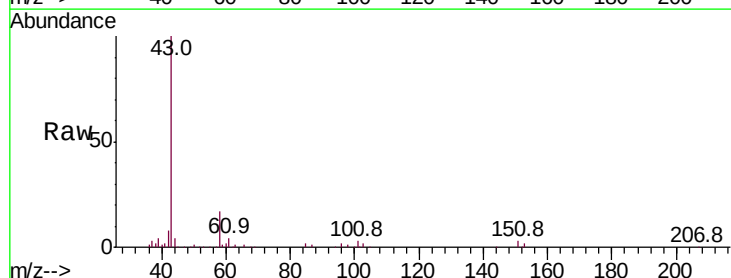
RT: 3.21 min Scan# 181

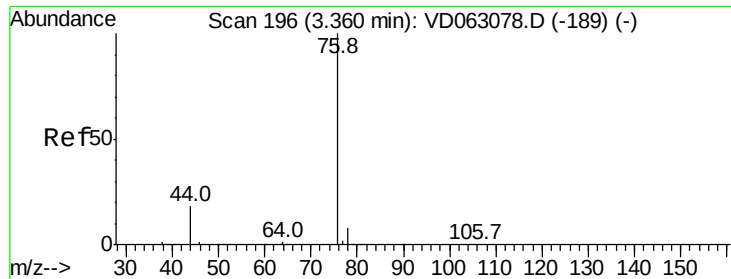
Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Tgt Ion:	43	Resp:	374304
Ion Ratio	Lower	Upper	
43	100		
58	17.2	13.0	19.4





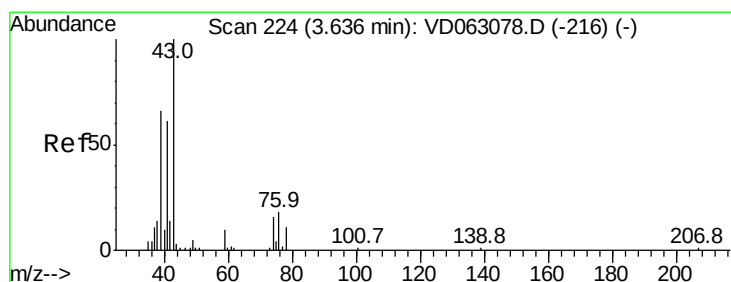
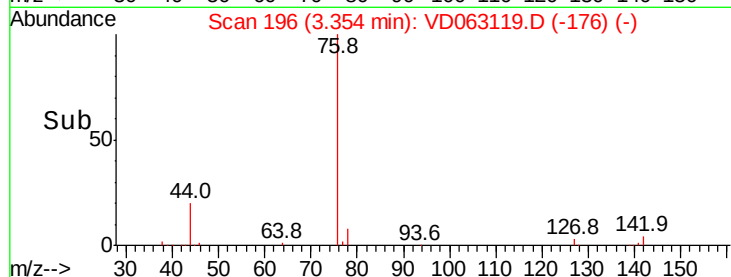
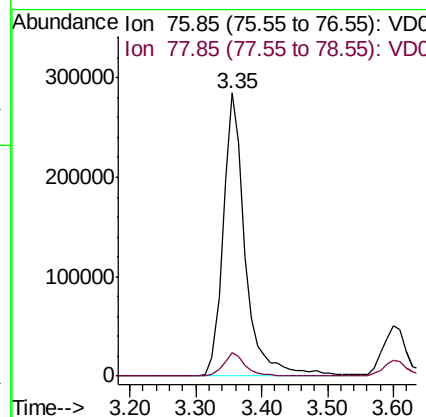
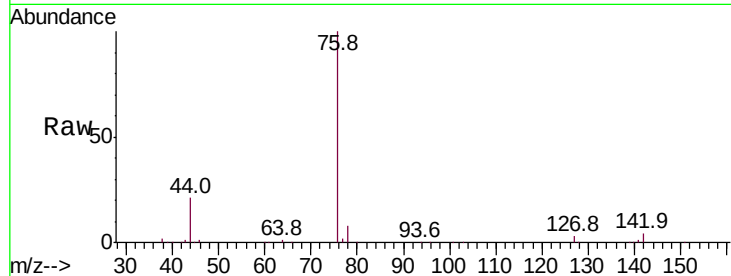
#17
Carbon Disulfide
Concen: 45.324 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.7	10.1

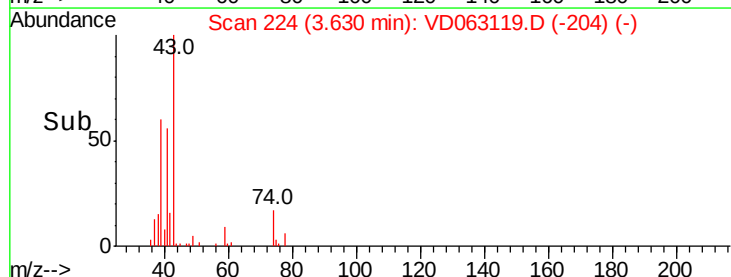
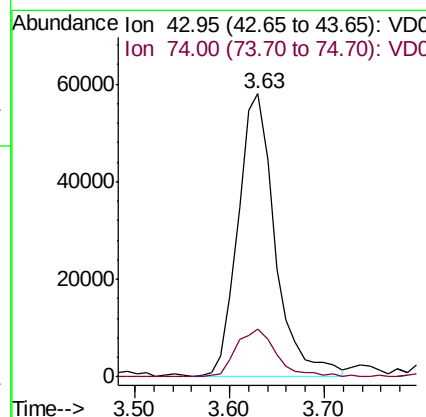
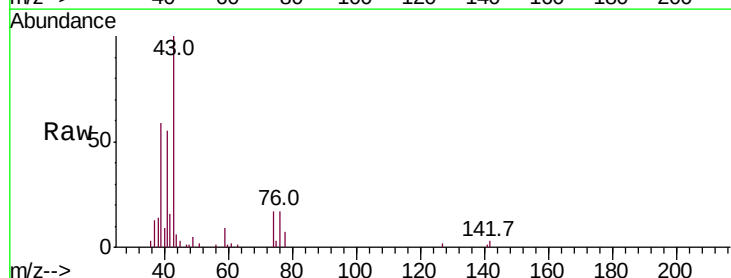
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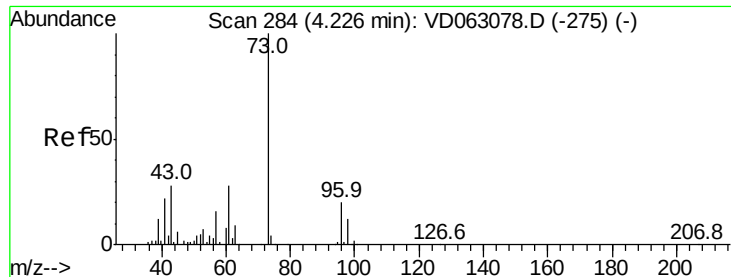
MMDadoda
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#18
Methyl Acetate
Concen: 67.794 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.7	12.5	18.7





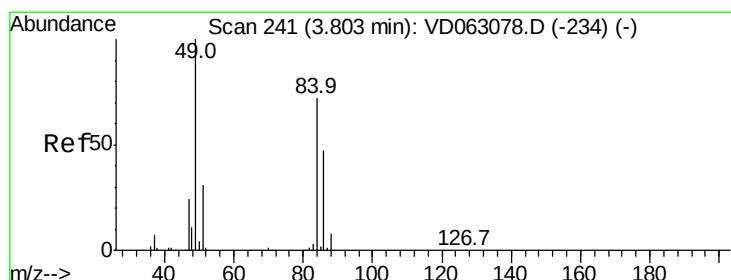
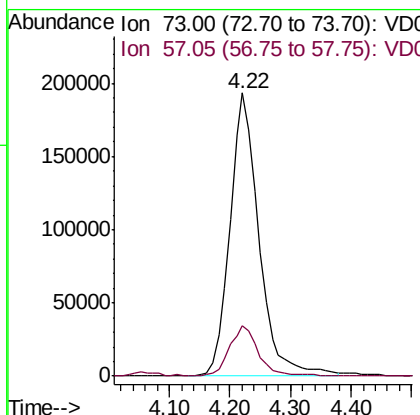
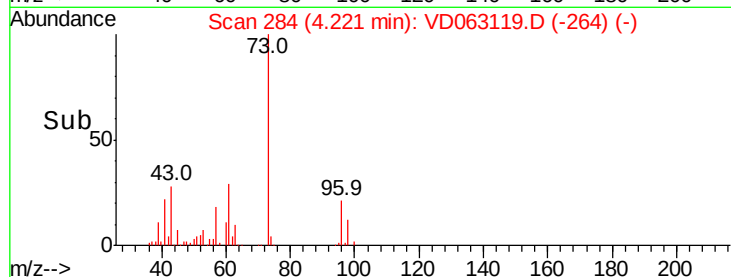
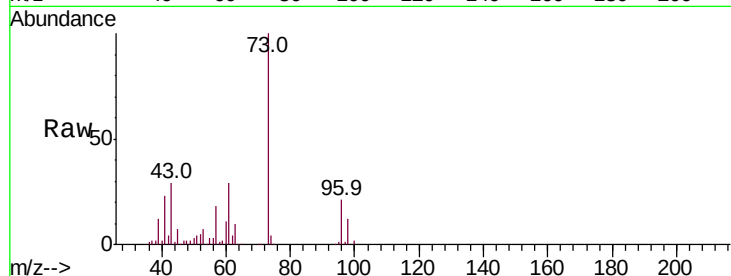
#19
Methyl tert-butyl Ether
Concen: 49.974 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 643731
Ion Ratio Lower Upper
73 100
57 17.8 13.1 19.7

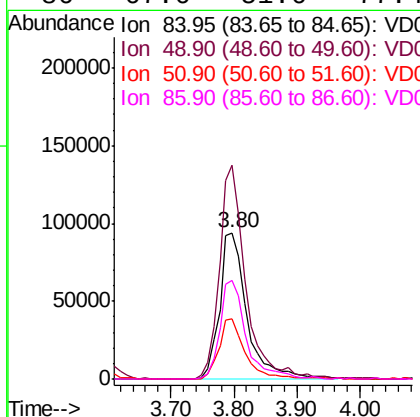
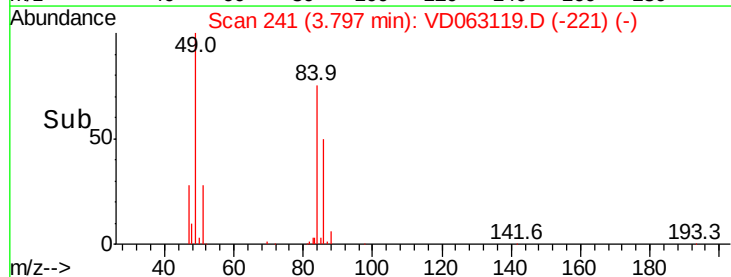
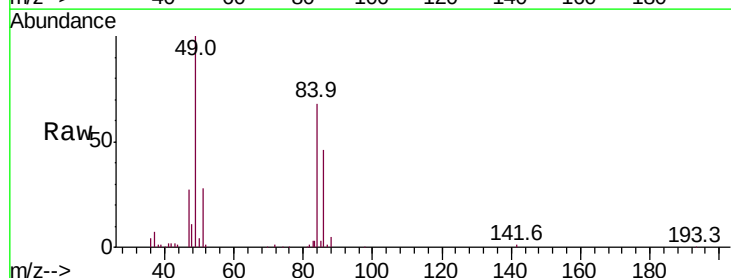
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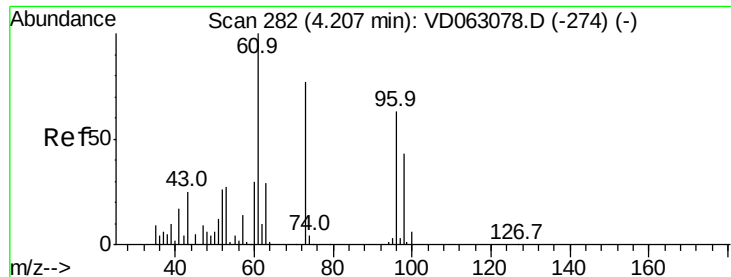
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#20
Methylene Chloride
Concen: 43.273 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 84 Resp: 283717
Ion Ratio Lower Upper
84 100
49 146.1 110.5 165.7
51 41.4 34.6 51.8
86 67.6 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 48.939 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 277228

Ion Ratio Lower Upper

96 100

61 142.6 128.0 192.0

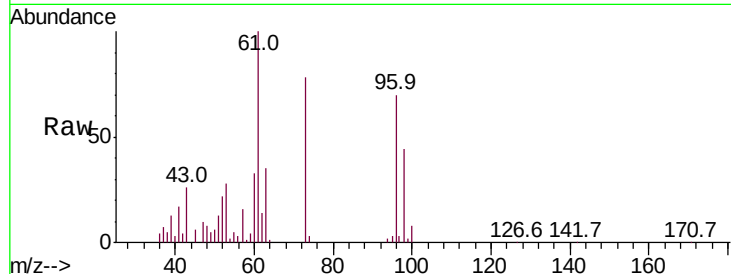
98 62.1 55.2 82.8

Manual Integrations

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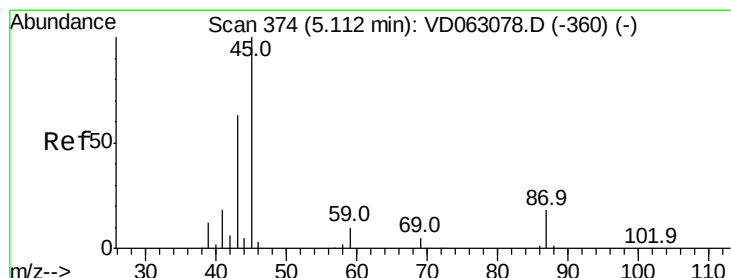
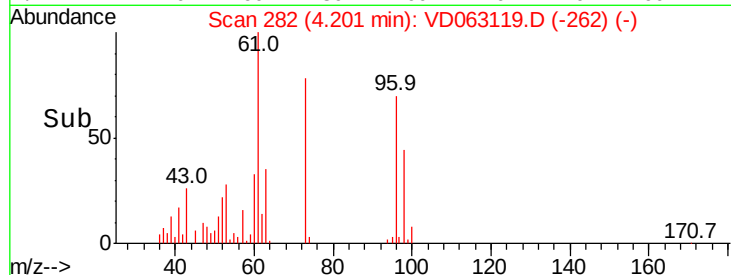
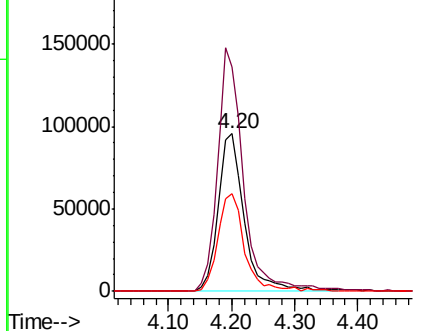
7/17/2019 9:23:34 AM



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: 51.901 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Tgt Ion: 45 Resp: 904998

Ion Ratio Lower Upper

45 100

43 63.6 50.5 75.7

87 19.3 15.1 22.7

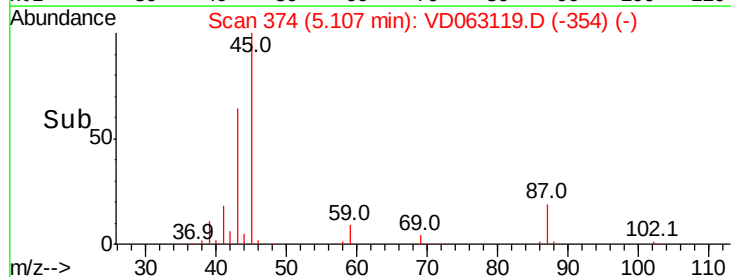
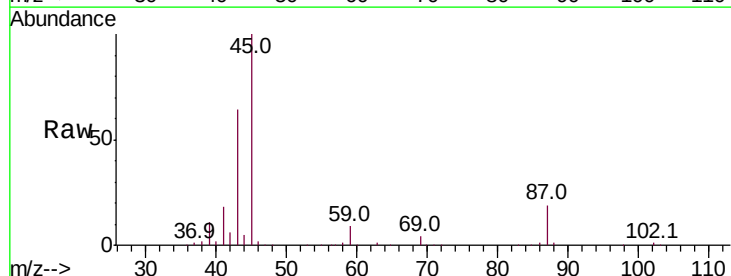
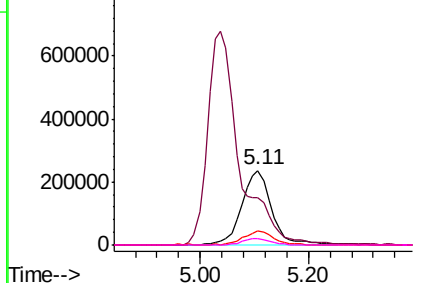
59 9.3 7.6 11.4

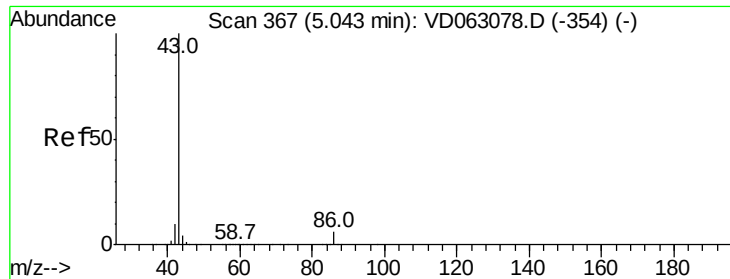
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 269.431 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2740902

Ion Ratio Lower Upper

43 100

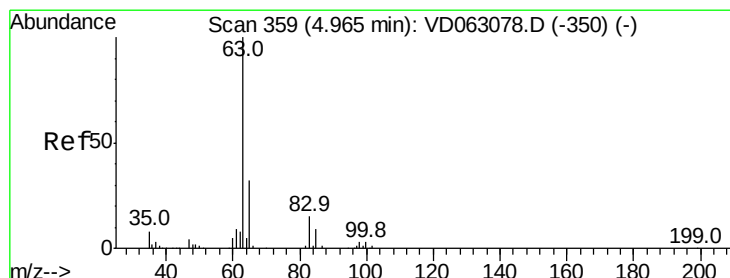
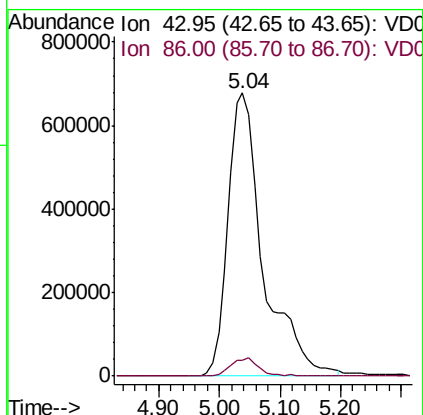
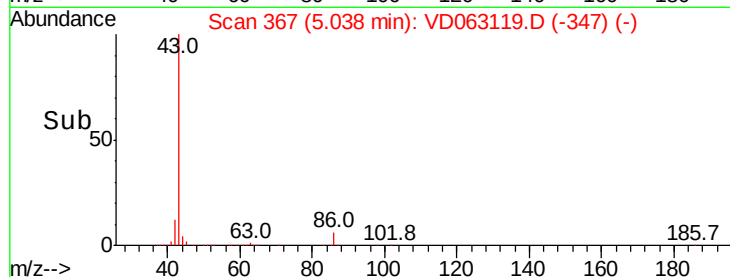
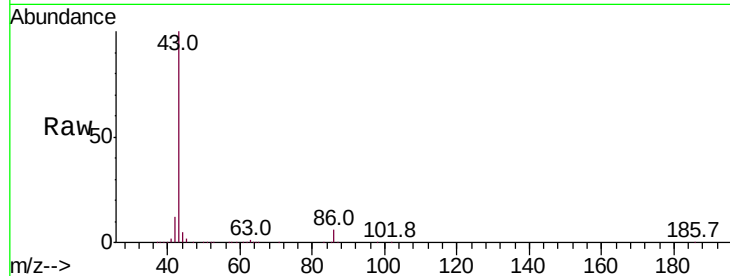
86 5.8 5.0 7.6

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#24

1,1-Dichloroethane

Concen: 51.265 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

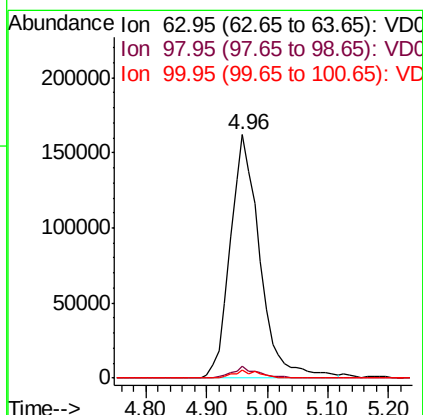
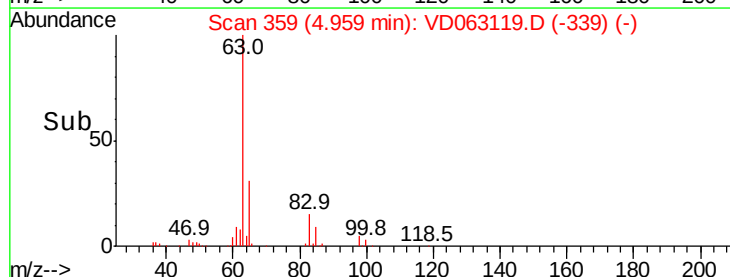
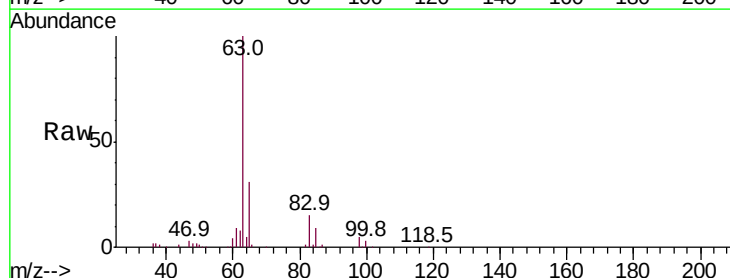
Tgt Ion: 63 Resp: 550628

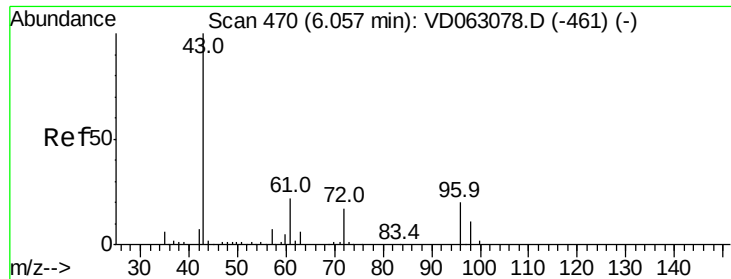
Ion Ratio Lower Upper

63 100

98 5.0 1.7 5.1

100 3.2 1.5 4.5





#25

2-Butanone

Concen: 242.232 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 401436

Ion Ratio Lower Upper

43 100

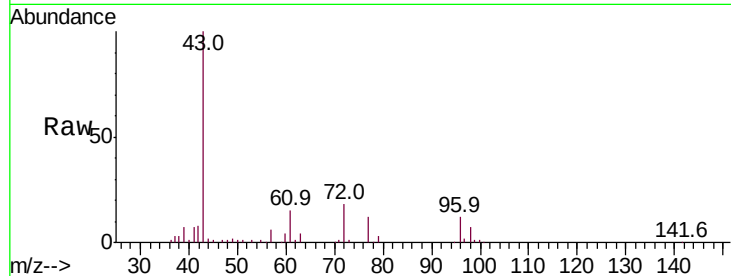
72 18.5 13.4 20.0

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

100000

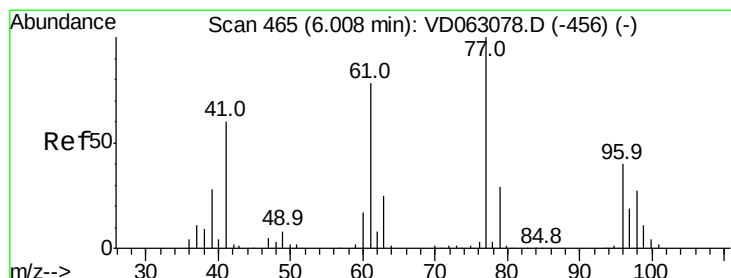
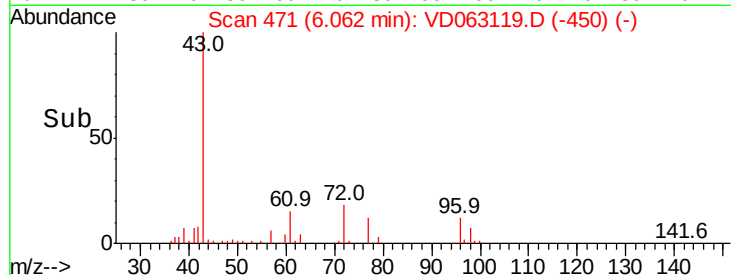
50000

0

6.06

6.00 6.10

Time-->



#26

2,2-Dichloropropane

Concen: 44.701 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063119.D

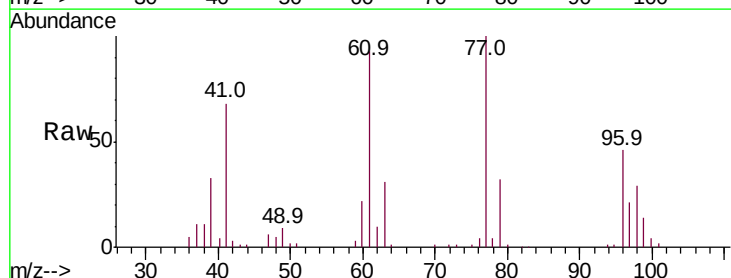
Acq: 16 Jul 2019 21:04

Tgt Ion: 77 Resp: 531374

Ion Ratio Lower Upper

77 100

97 21.1 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

100000

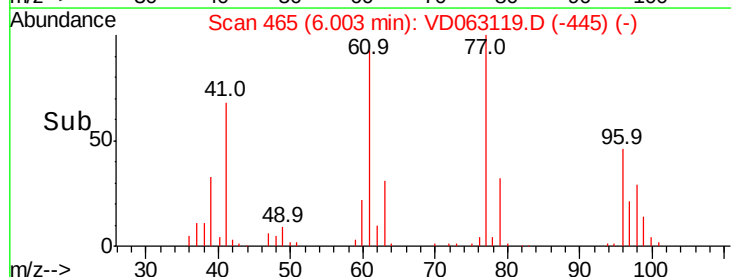
50000

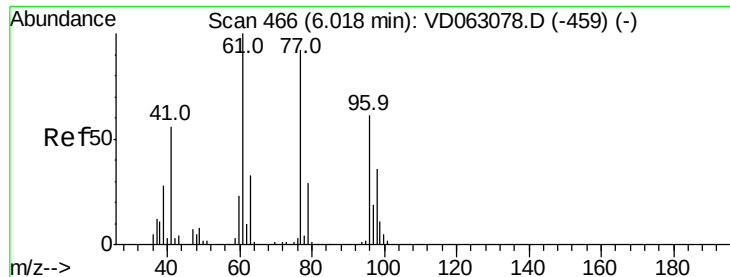
0

6.00

5.90 6.00 6.10 6.20

Time-->





#27

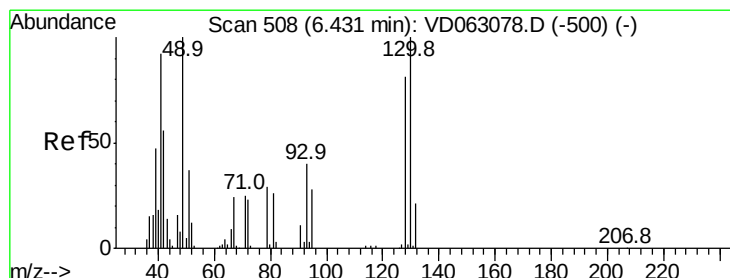
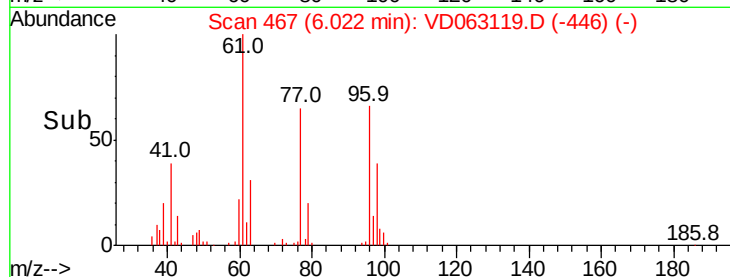
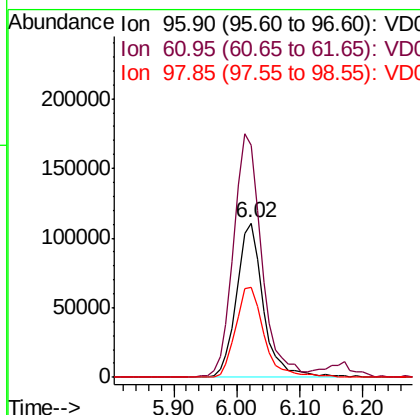
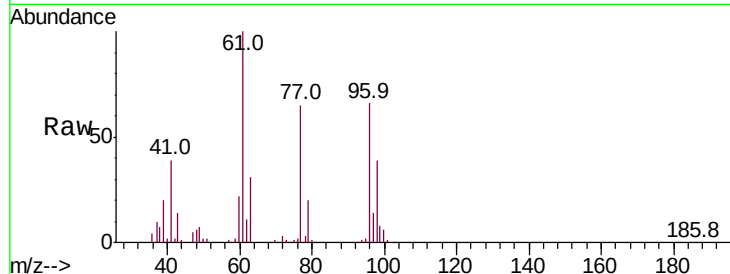
cis-1,2-Dichloroethene
Concen: 50.160 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	323231		
61	150.5	0.0	329.6	
98	58.4	0.0	118.4	

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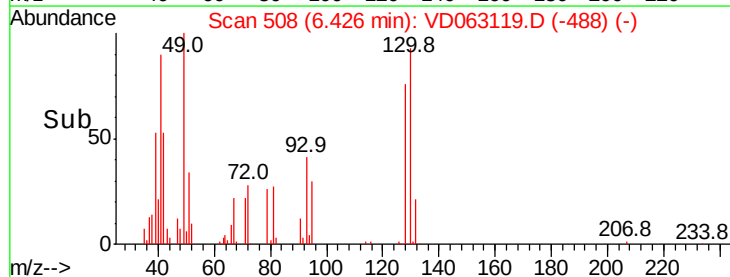
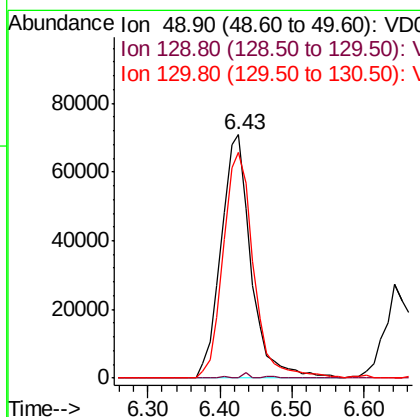
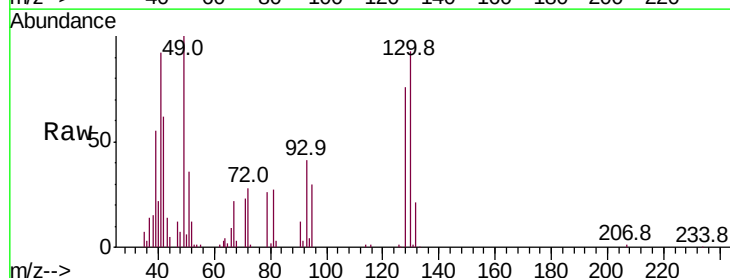
MMDadoda
7/17/2019 9:23:34 AM

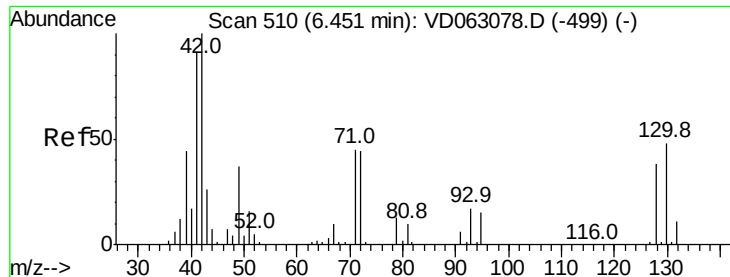


#28

Bromochloromethane
Concen: 52.292 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	203769		
129	0.0	0.0	3.6	
130	92.9	80.3	120.5	





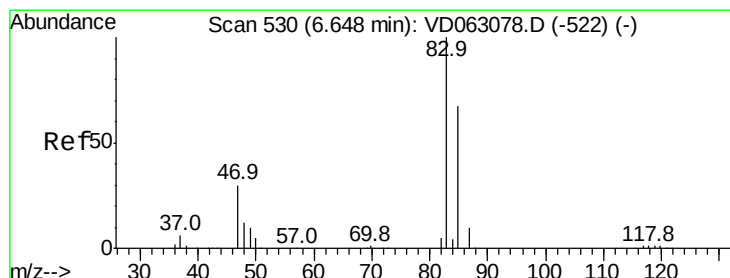
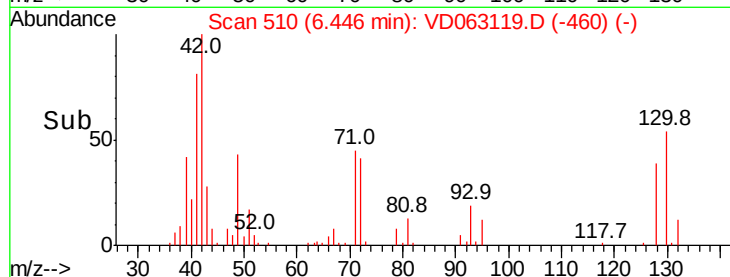
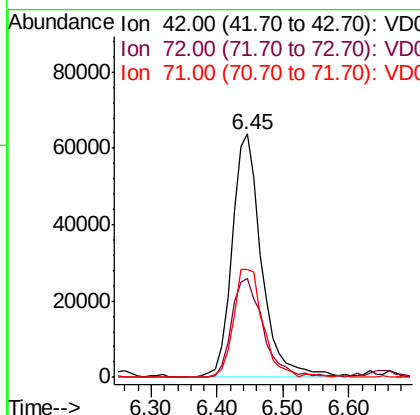
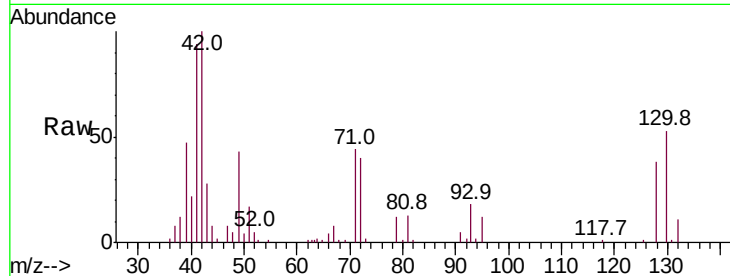
#29
Tetrahydrofuran
Concen: 266.385 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	33.7	50.5
71	44.3	34.2	51.2

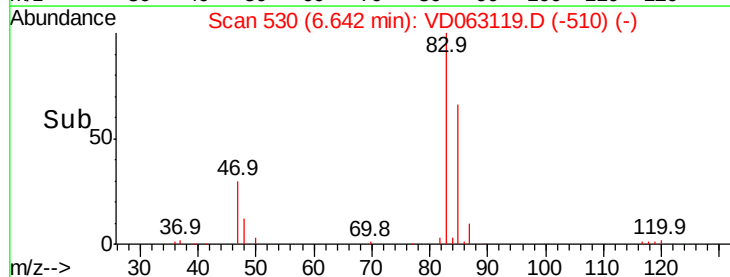
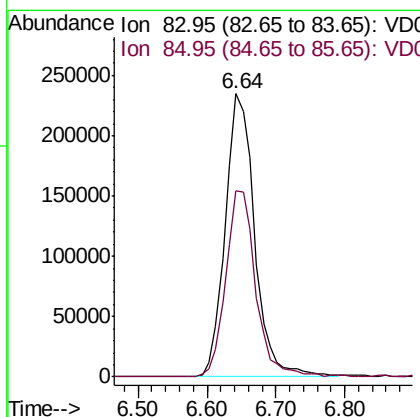
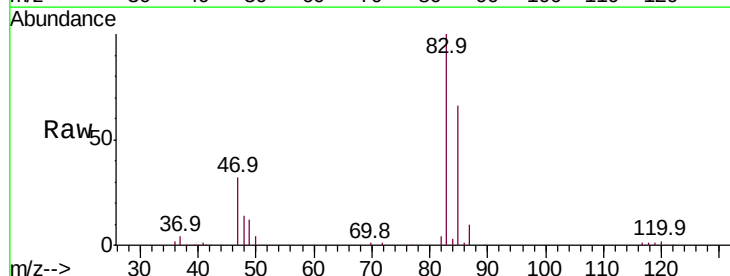
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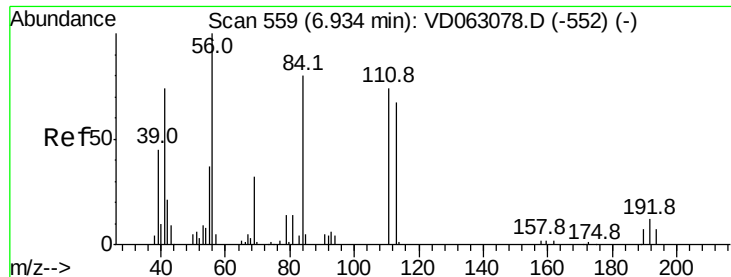
MMDadoda
7/17/2019 9:23:34 AM



#30
Chloroform
Concen: 52.583 ug/l
RT: 6.64 min Scan# 530
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.8	80.8





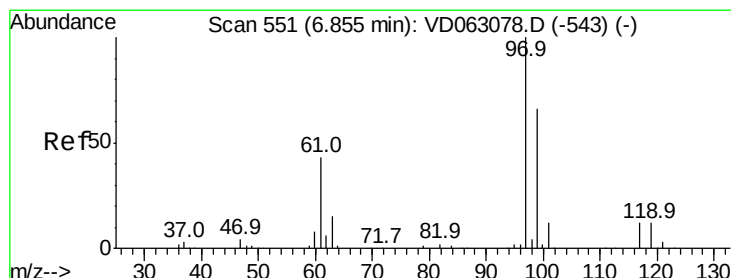
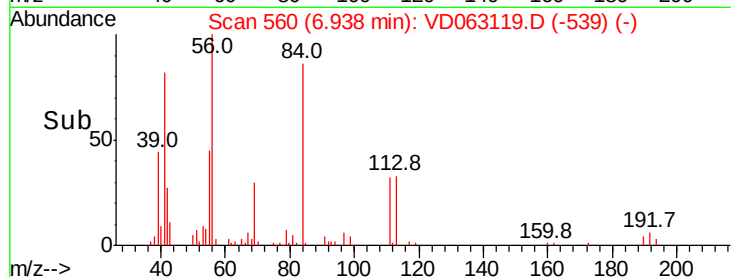
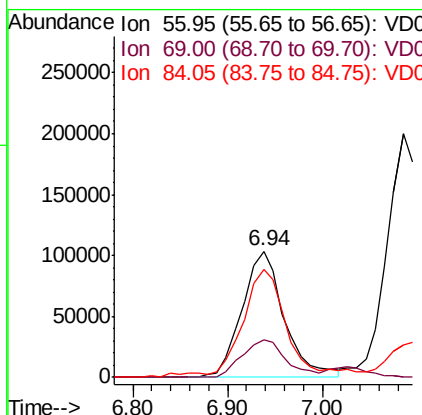
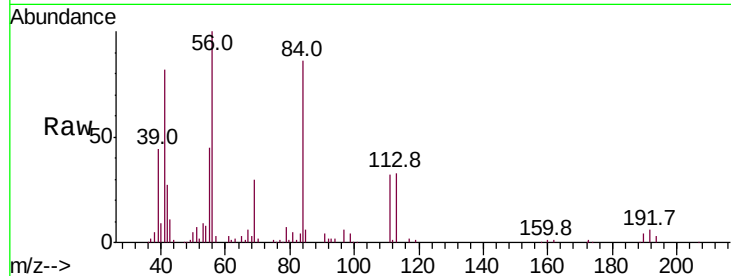
#31
Cyclohexane
Concen: 46.675 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.3	37.9
84	85.6	64.2	96.4

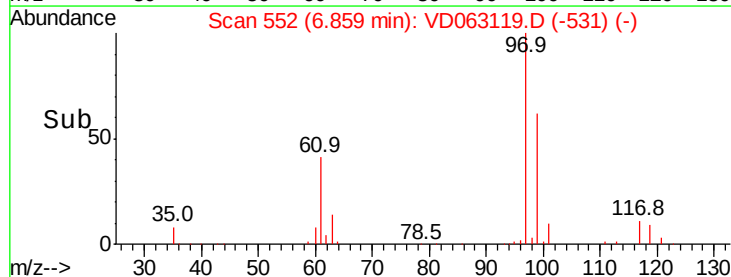
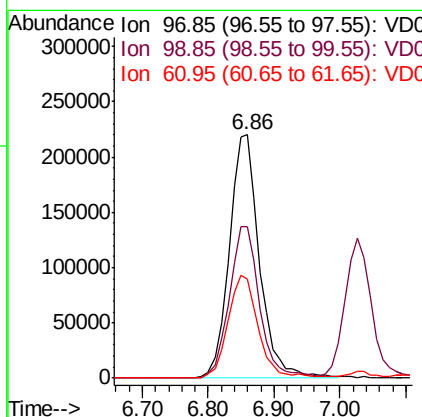
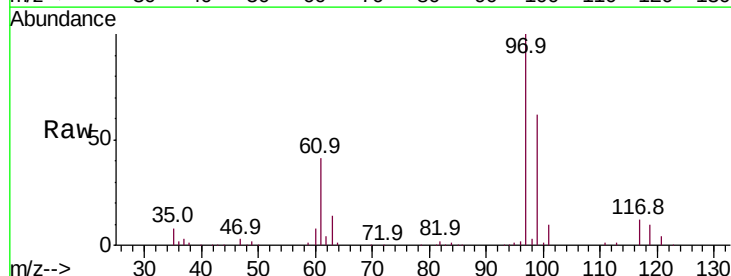
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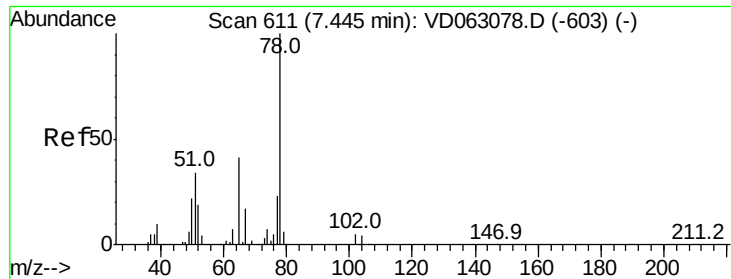
MMDadoda
7/17/2019 9:23:34 AM



#32
1,1,1-Trichloroethane
Concen: 53.929 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	52.9	79.3
61	40.6	34.4	51.6





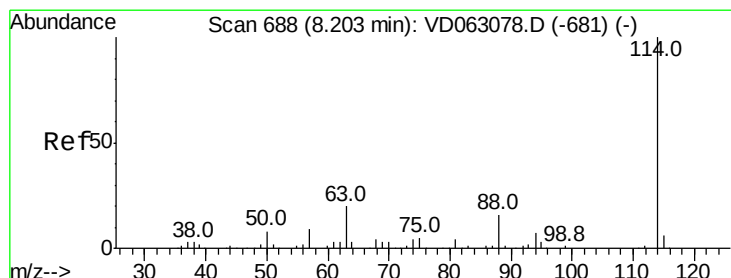
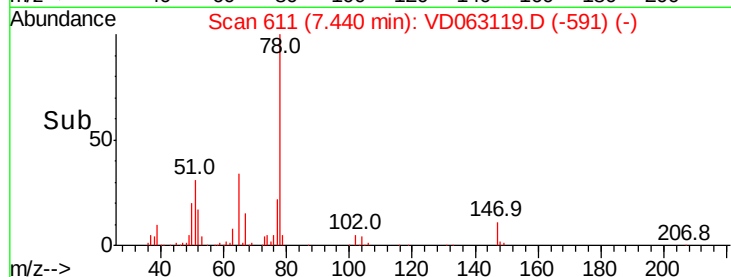
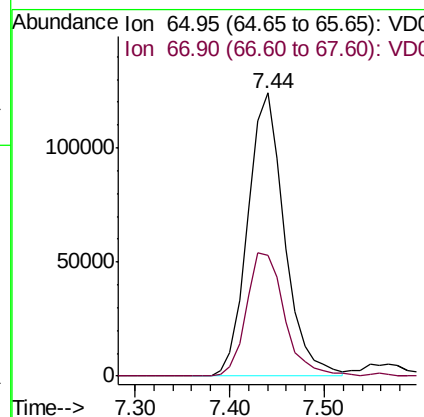
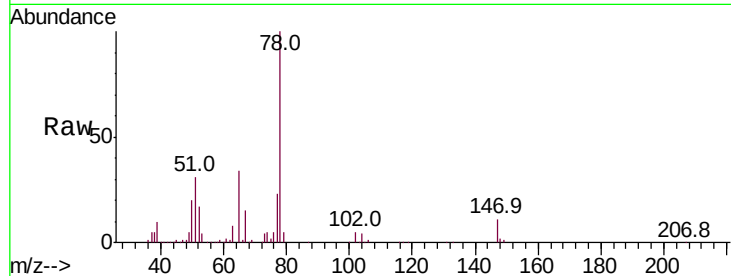
#33
 1,2-Dichloroethane-d4
 Concen: 46.515 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	42.8	0.0	86.0

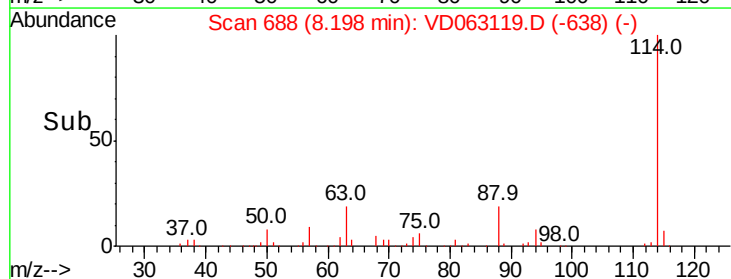
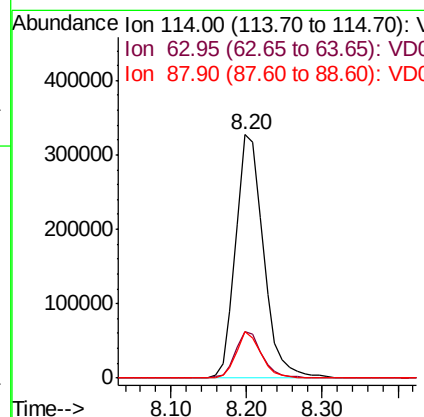
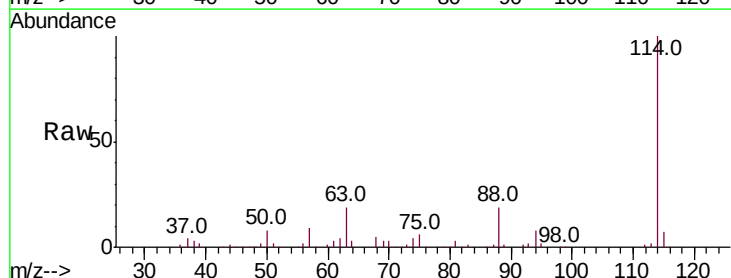
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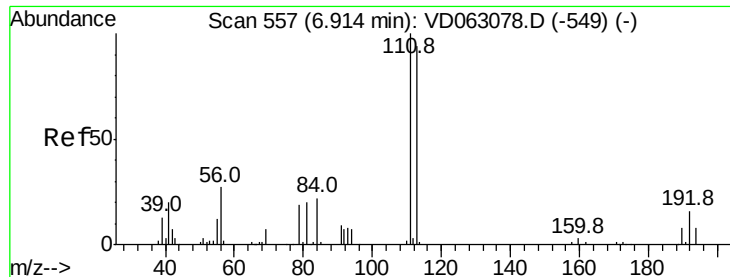
MMDadoda
 7/17/2019 9:23:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	40.6
88	18.9	0.0	32.6





#35

Dibromofluoromethane

Concen: 44.636 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

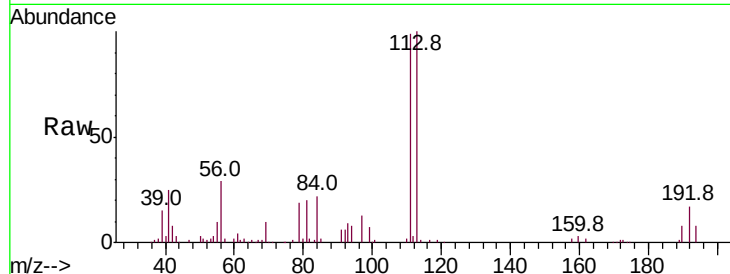
ClientSampleId :

VSTDCCC050EC

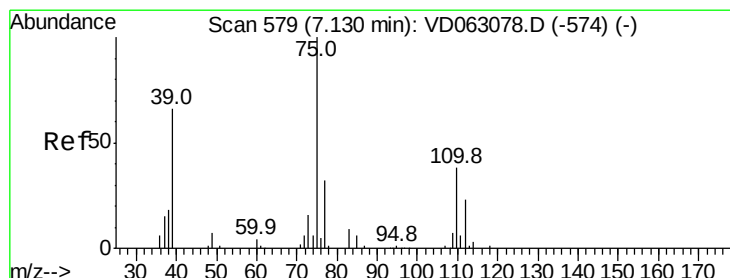
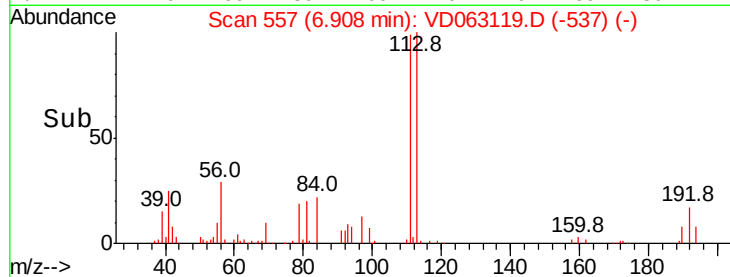
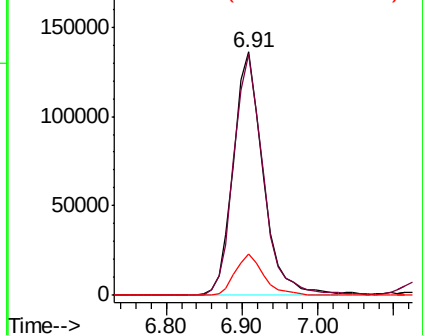
Tot Ion:	113	Resp:	370007
Ion Ratio	Lower	Upper	
113	100		
111	99.0	84.8	127.2
192	17.3	13.4	20.0

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



#36

1,1-Dichloropropene

Concen: 43.261 ug/l

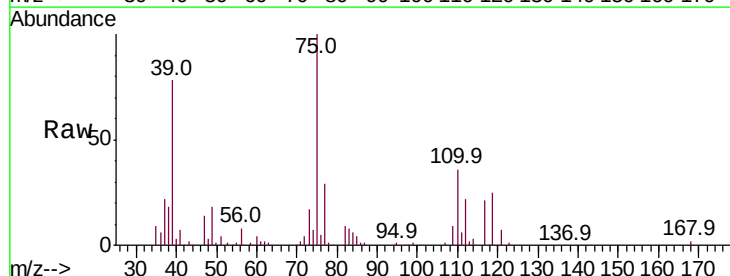
RT: 7.13 min Scan# 580

Delta R.T. 0.00 min

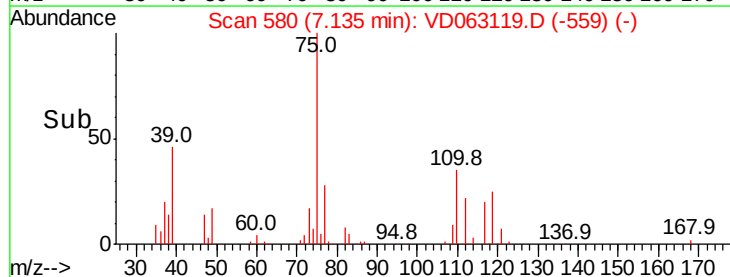
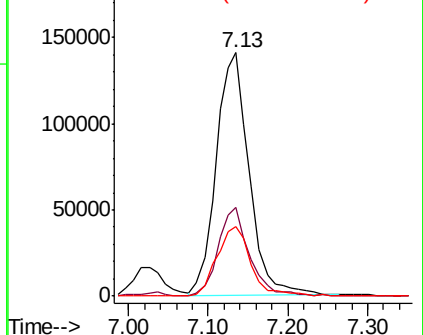
Lab File: VD063119.D

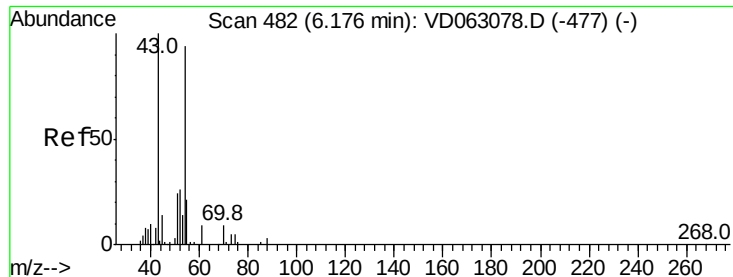
Acq: 16 Jul 2019 21:04

Tgt Ion:	75	Resp:	404928
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.9	56.5
77	28.6	25.2	37.8



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





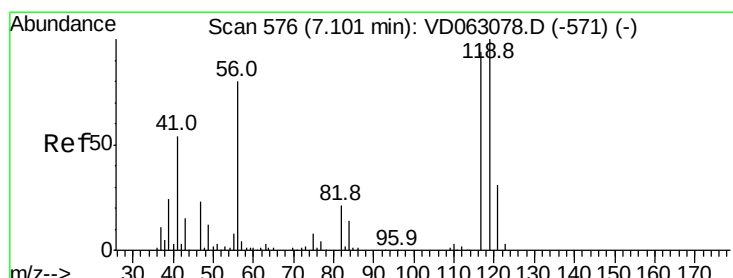
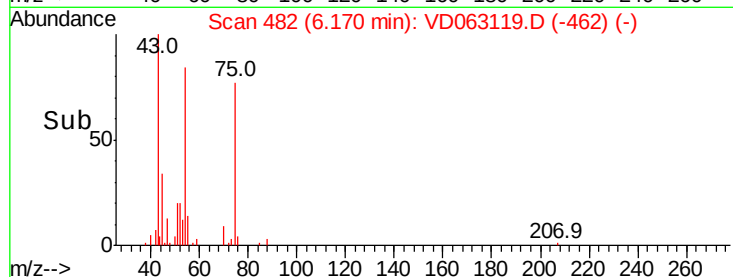
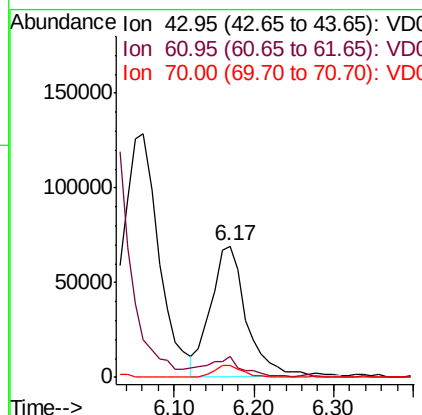
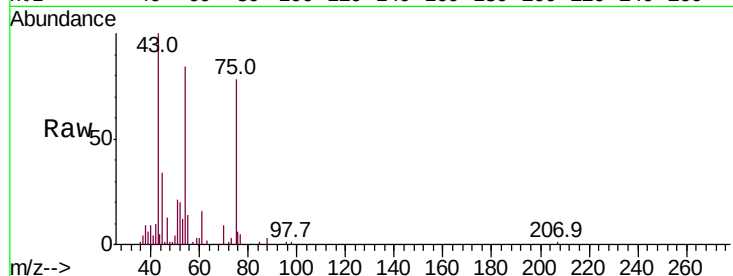
#37
Ethyl Acetate
Concen: 53.832 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	10.6	16.0
70	8.6	6.6	9.8

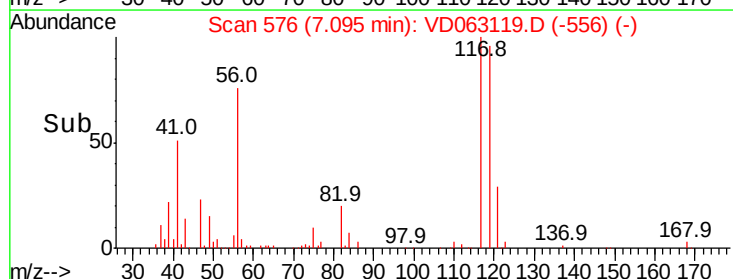
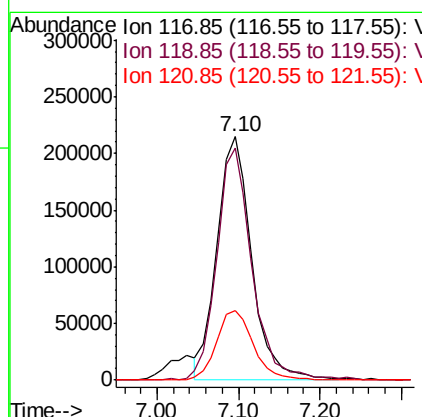
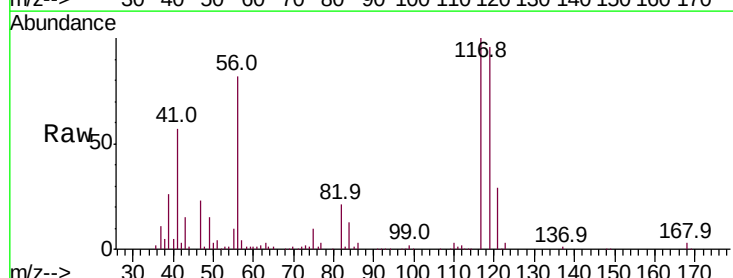
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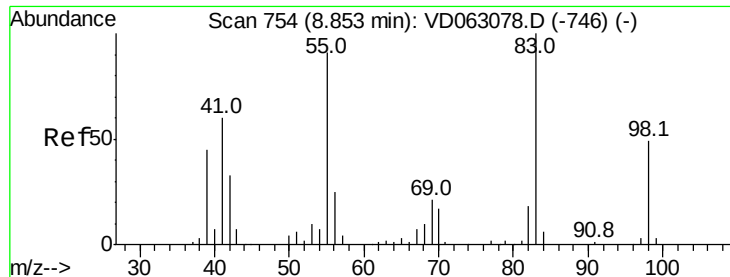
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#38
Carbon Tetrachloride
Concen: 44.975 ug/l m
RT: 7.10 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	80.0	120.0
121	28.6	25.0	37.4





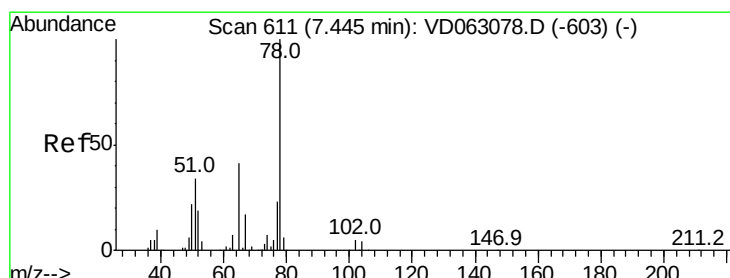
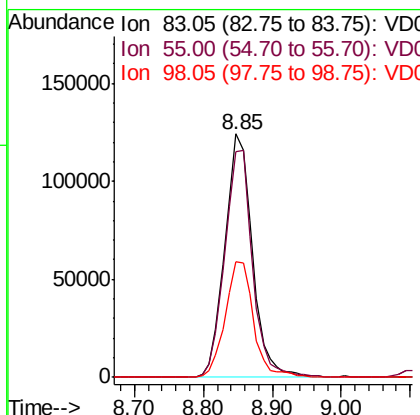
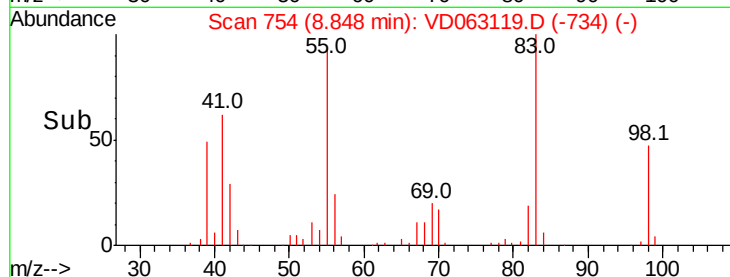
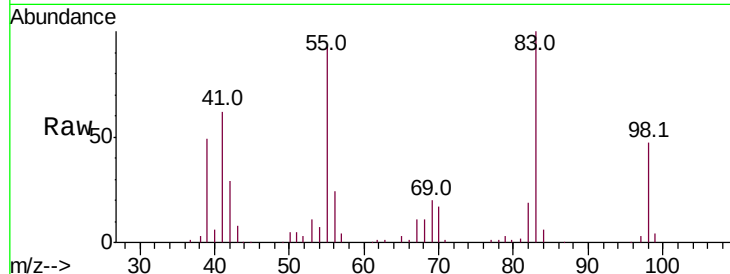
#39
Methylvlcyclohexane
Concen: 42.547 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	344304
Ion	Ratio	Lower	Upper
83	100		
55	92.8	73.0	109.4
98	47.3	39.4	59.0

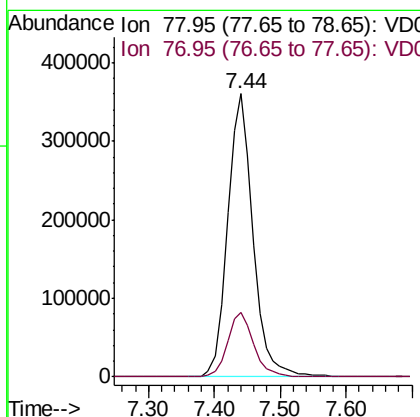
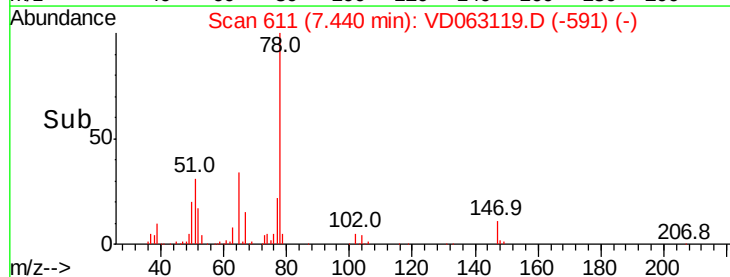
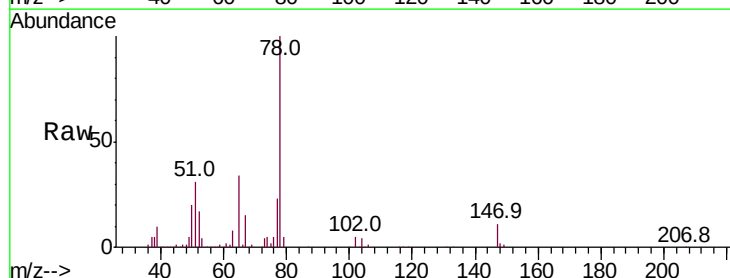
Manual Integrations
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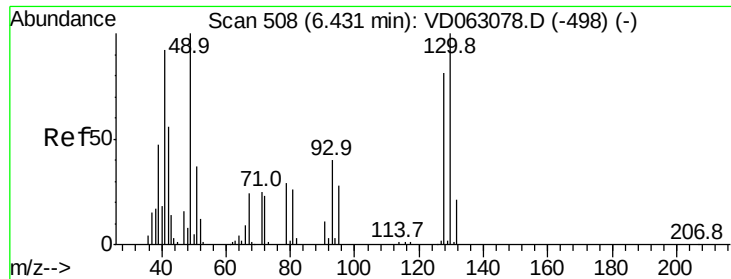
MMDadoda
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#40
Benzene
Concen: 49.659 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion	78	Resp	973514
Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.1	27.1





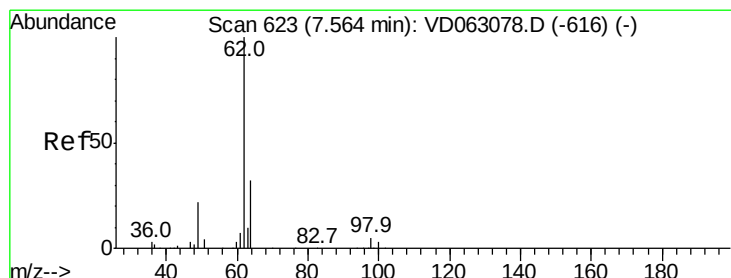
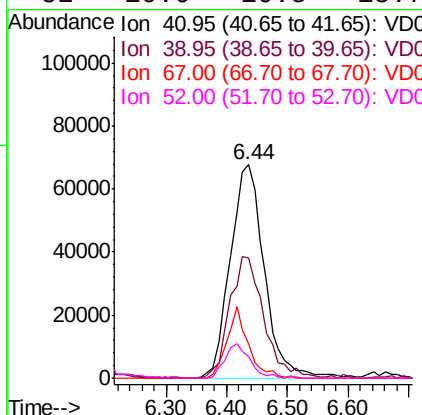
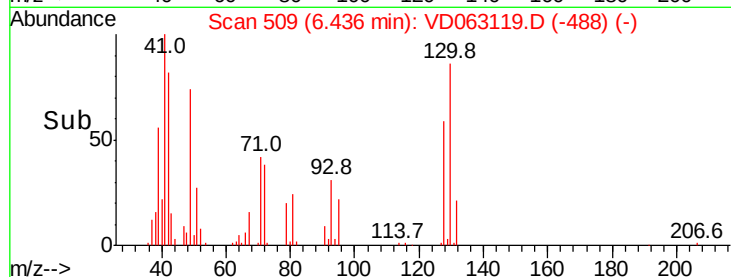
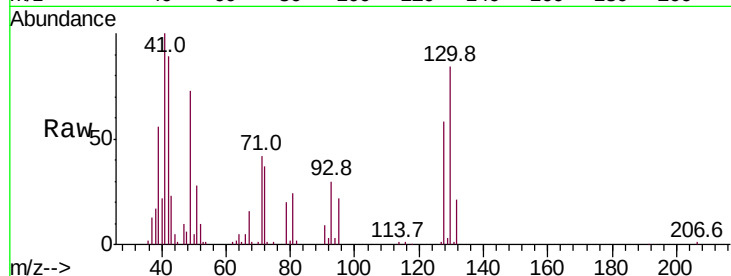
#41
Methacrylonitrile
Concen: 48.651 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	41.0	61.6
67	16.2	21.3	31.9#
52	10.0	10.5	15.7#

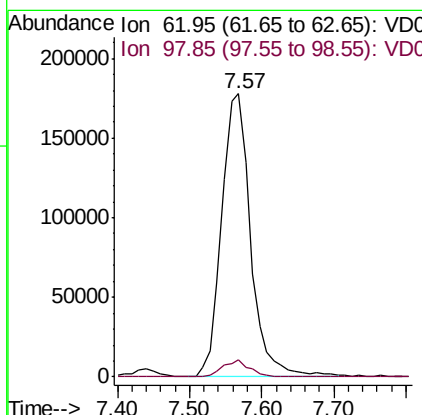
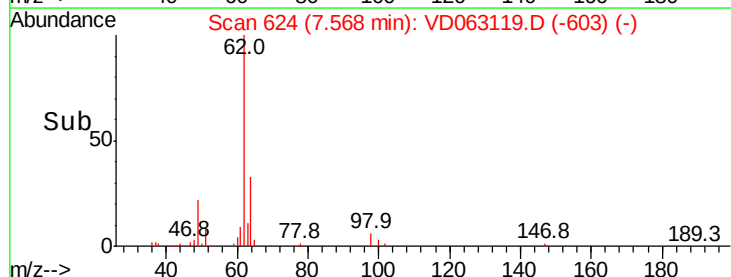
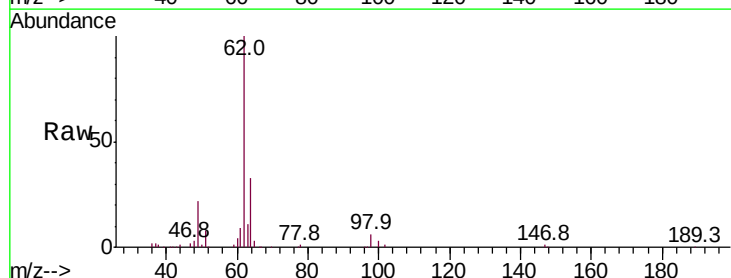
Manual Integrations
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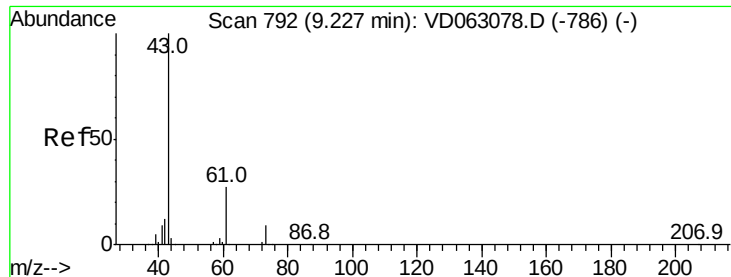
MMDadoda
7/17/2019 9:23:34 AM



#42
1,2-Dichloroethane
Concen: 47.515 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.0	0.0	9.6





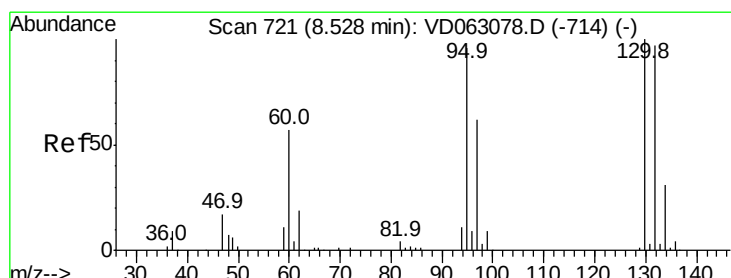
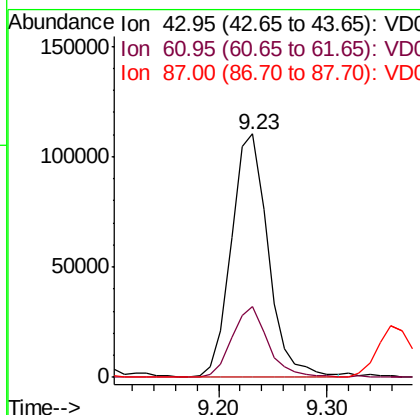
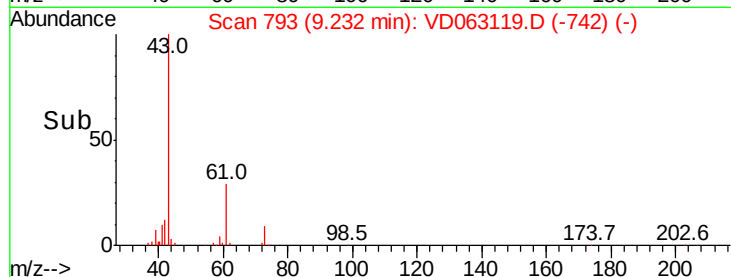
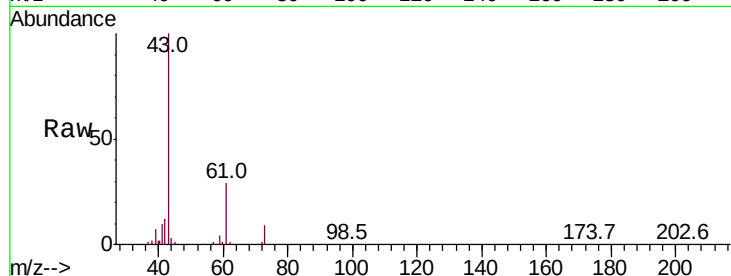
#43
Isopropyl Acetate
Concen: 45.691 ug/l
RT: 9.23 min Scan# 793
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 262353
Ion Ratio Lower Upper
43 100
61 29.2 21.7 32.5
87 0.0 0.2 0.4#

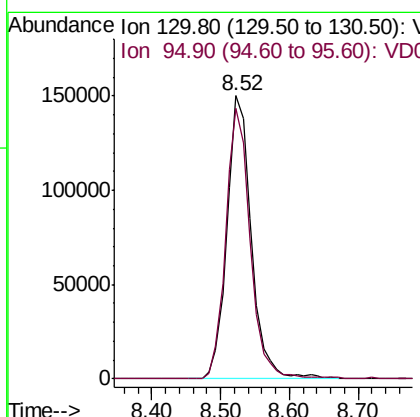
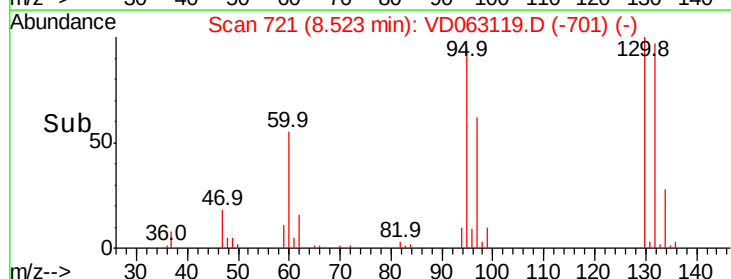
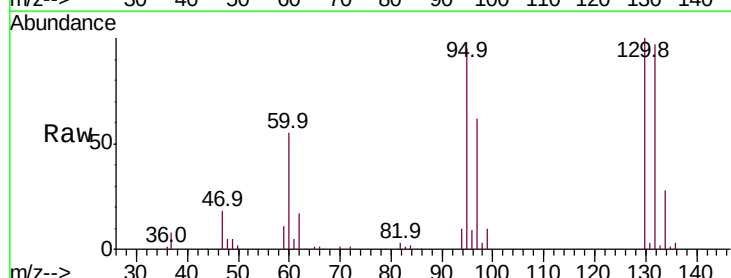
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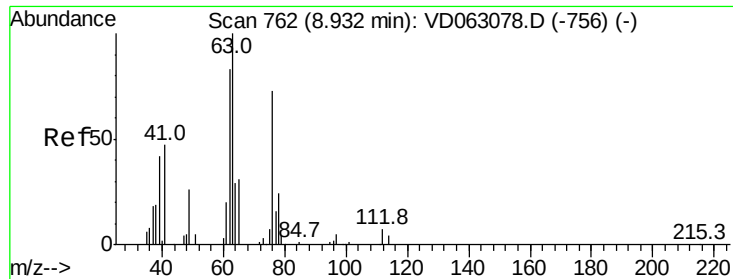
MMDadoda
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#44
Trichloroethene
Concen: 48.445 ug/l
RT: 8.52 min Scan# 721
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion:130 Resp: 367031
Ion Ratio Lower Upper
130 100
95 95.4 0.0 191.4





#45

1,2-Dichloropropane

Concen: 47.323 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 231303

Ion Ratio Lower Upper

63 100

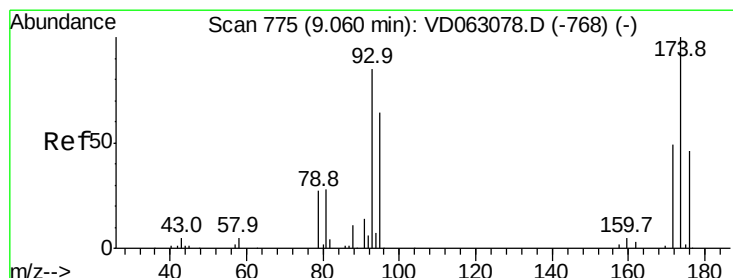
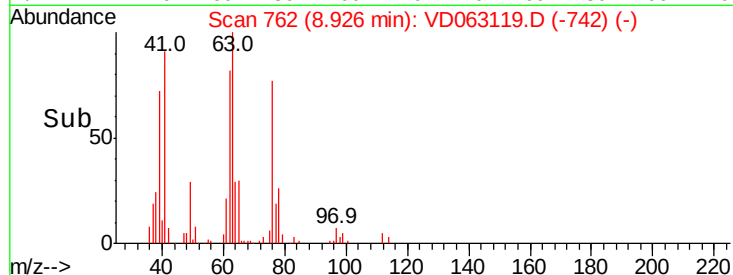
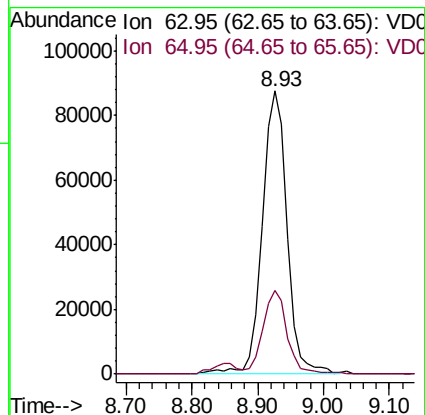
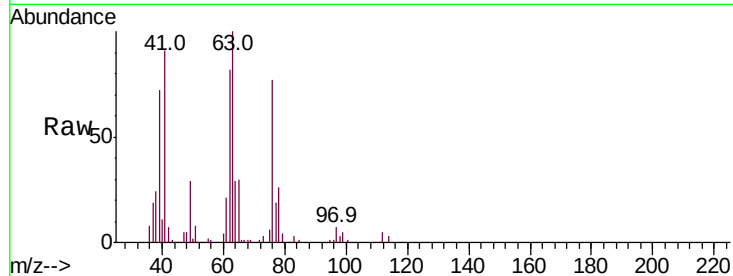
65 29.7 26.3 39.5

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#46

Dibromomethane

Concen: 49.002 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

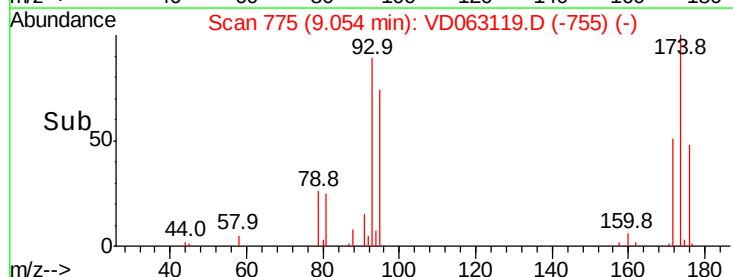
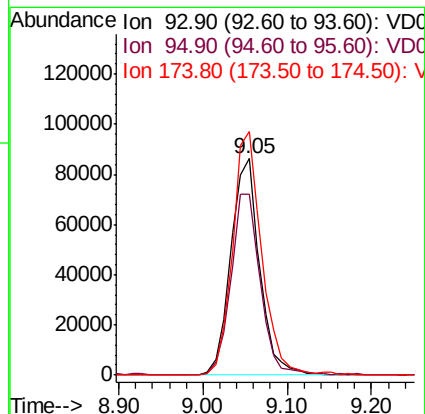
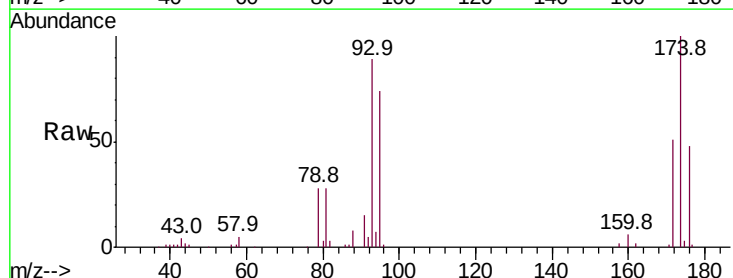
Tgt Ion: 93 Resp: 205816

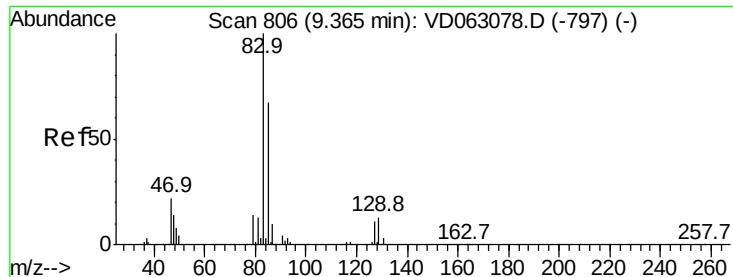
Ion Ratio Lower Upper

93 100

95 83.6 59.7 89.5

174 112.4 93.9 140.9





#47

Bromodichloromethane

Concen: 48.991 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

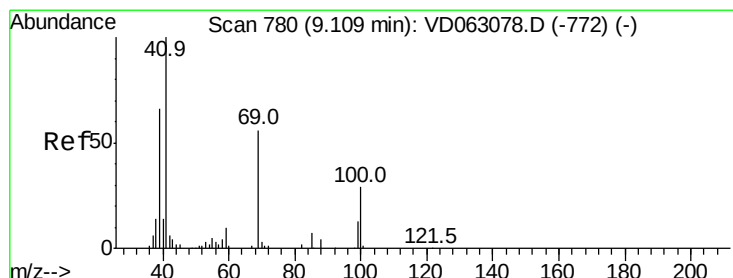
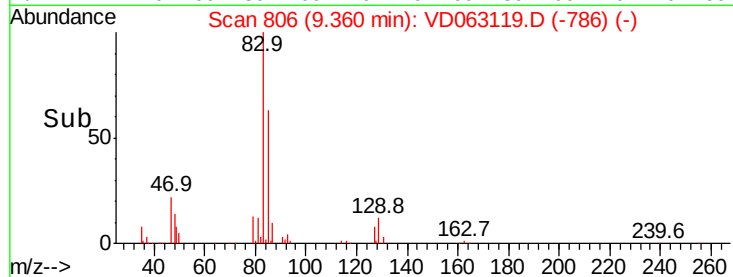
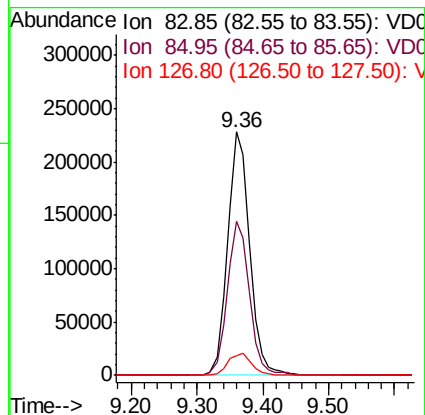
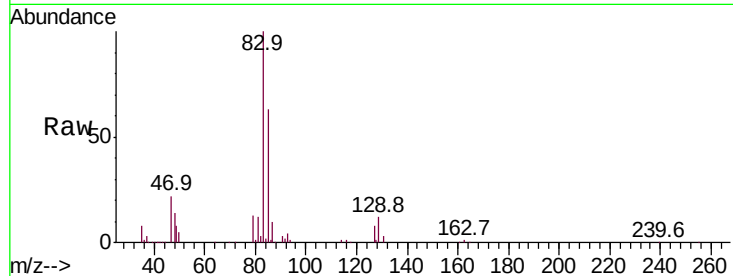
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	536959
Ion Ratio	Lower	Upper	
83	100		
85	63.0	53.7	80.5
127	8.2	9.0	13.6#

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#48

Methyl methacrylate

Concen: 48.445 ug/l

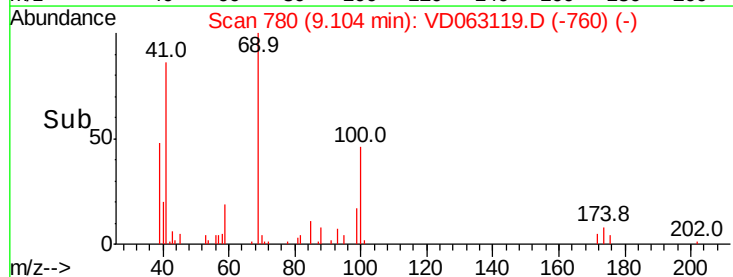
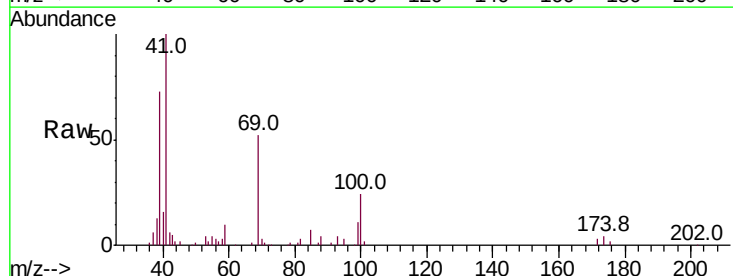
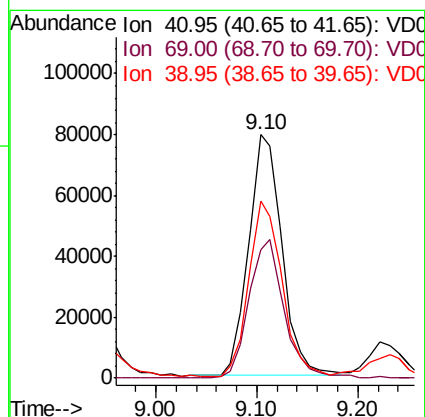
RT: 9.10 min Scan# 780

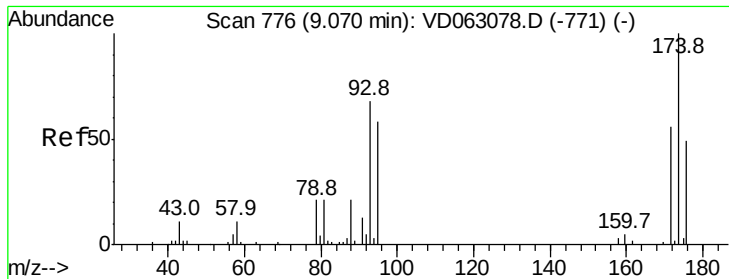
Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Tgt Ion:	41	Resp:	182669
Ion Ratio	Lower	Upper	
41	100		
69	52.5	44.3	66.5
39	72.6	52.6	78.8





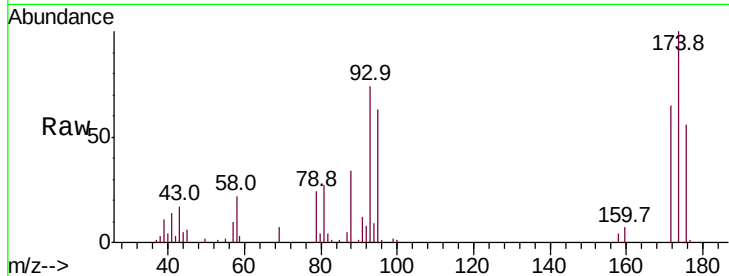
#49
1,4-Dioxane
Concen: 1072.997 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

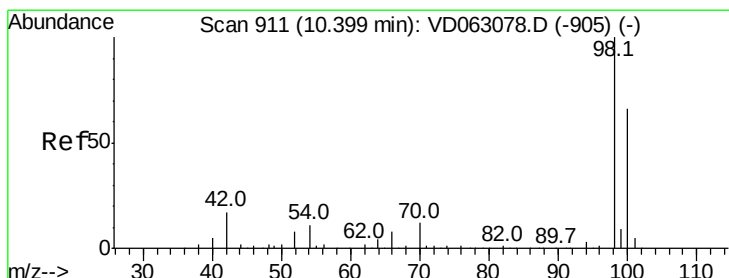
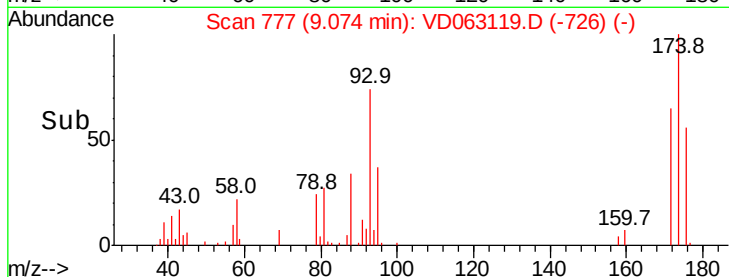
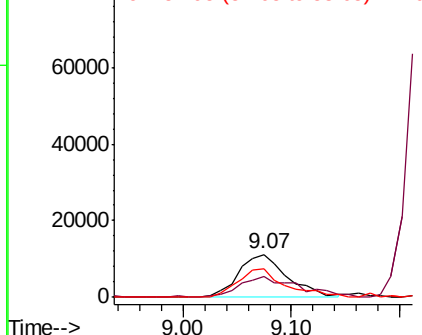
Tot Ion	Ratio	Lower	Upper
88	100		
43	49.5	40.2	60.4
58	65.1	41.6	62.4

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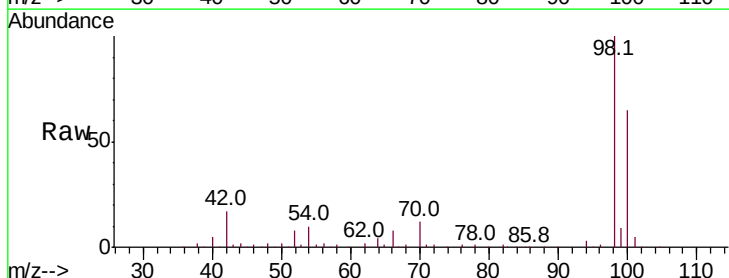


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

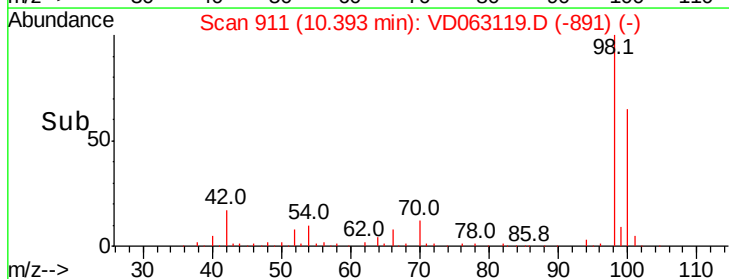
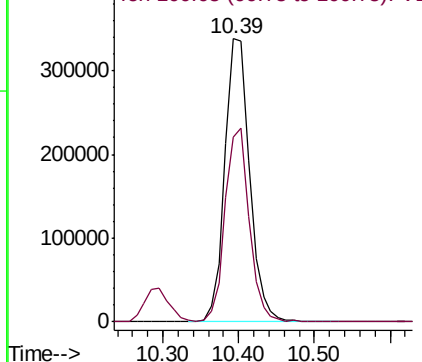


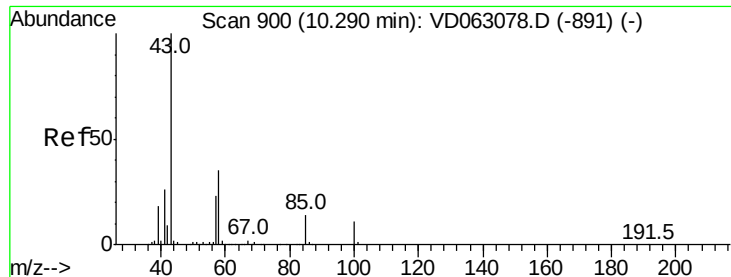
#50
Toluene-d8
Concen: 43.198 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.5	80.3



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





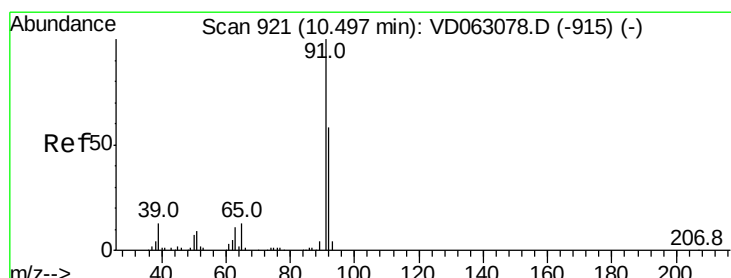
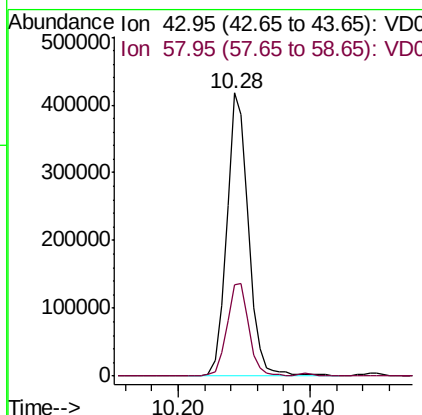
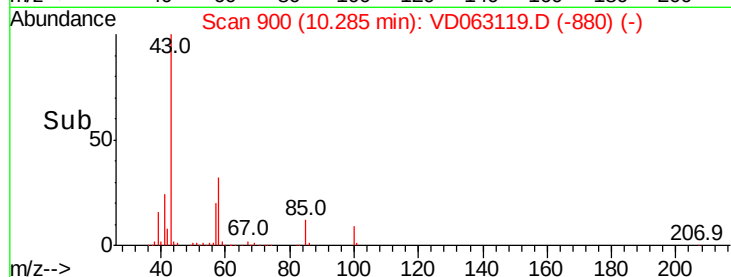
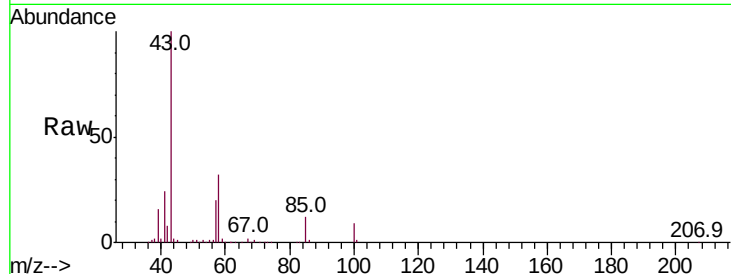
#51
4-Methyl-2-Pentanone
Concen: 252.566 ug/l
RT: 10.28 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 961859
Ion Ratio Lower Upper
43 100
58 32.5 27.8 41.6

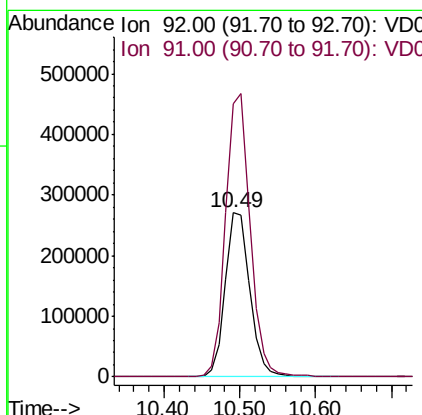
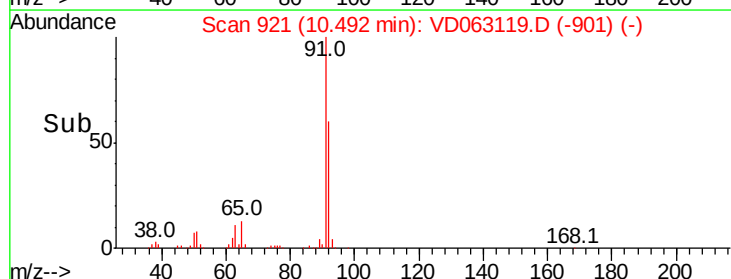
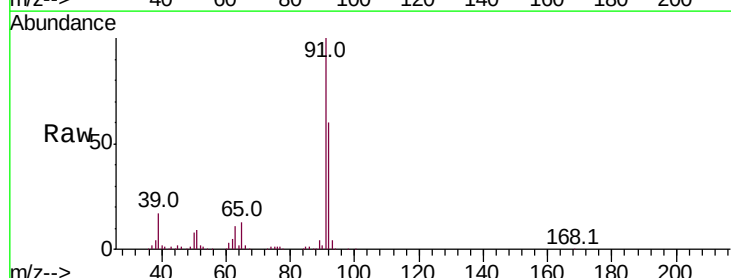
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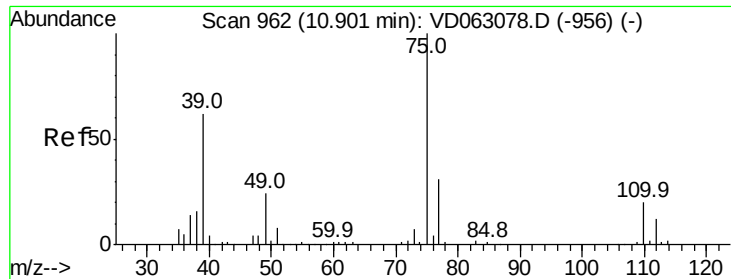
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#52
Toluene
Concen: 46.562 ug/l
RT: 10.49 min Scan# 921
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 92 Resp: 609542
Ion Ratio Lower Upper
92 100
91 166.8 137.9 206.9





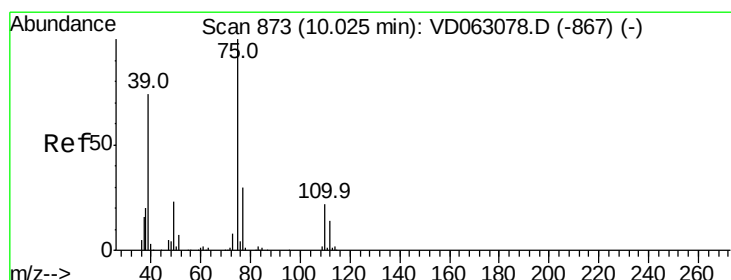
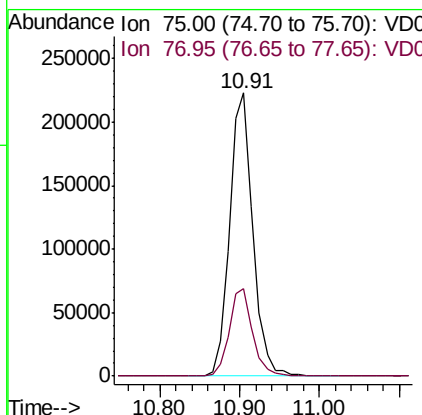
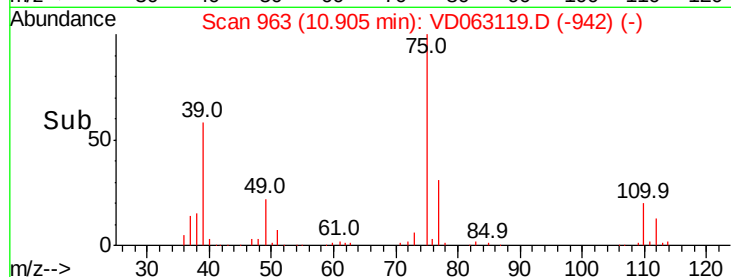
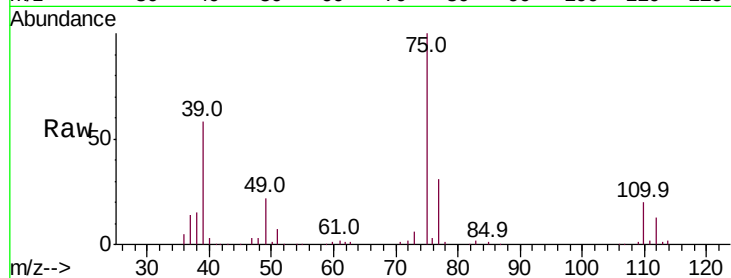
#53
t-1,3-Dichloropropene
Concen: 48.337 ug/l
RT: 10.91 min Scan# 963
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 453899
Ion Ratio Lower Upper
75 100
77 31.0 24.9 37.3

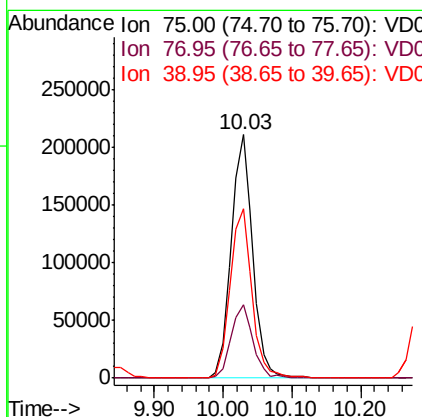
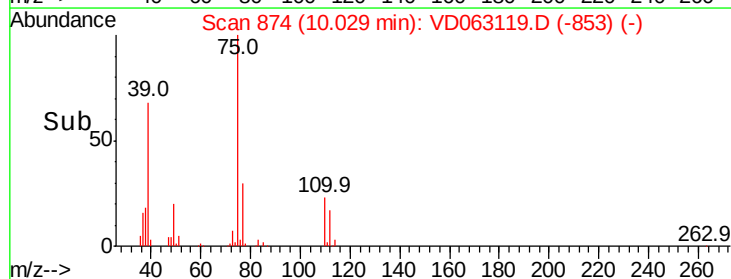
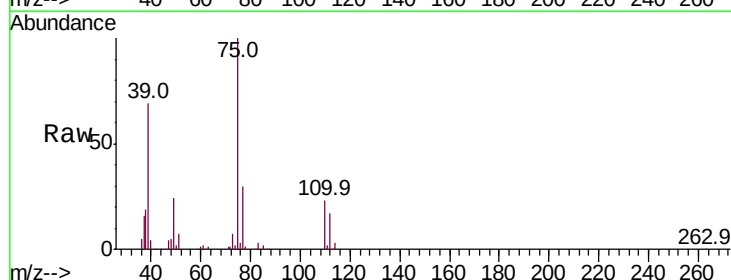
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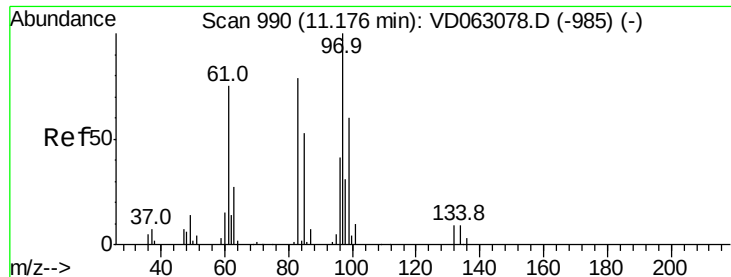
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#54
cis-1,3-Dichloropropene
Concen: 46.835 ug/l
RT: 10.03 min Scan# 874
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 75 Resp: 454743
Ion Ratio Lower Upper
75 100
77 30.3 23.9 35.9
39 69.4 59.4 89.0





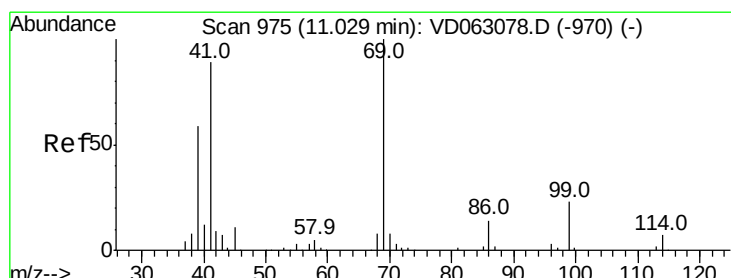
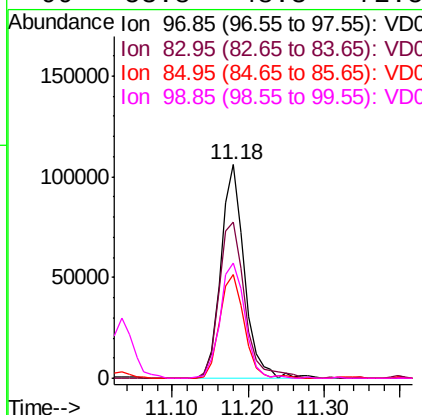
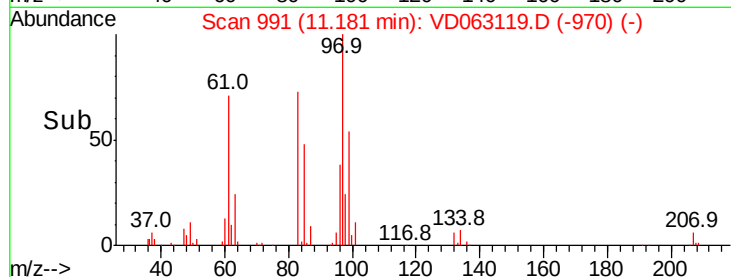
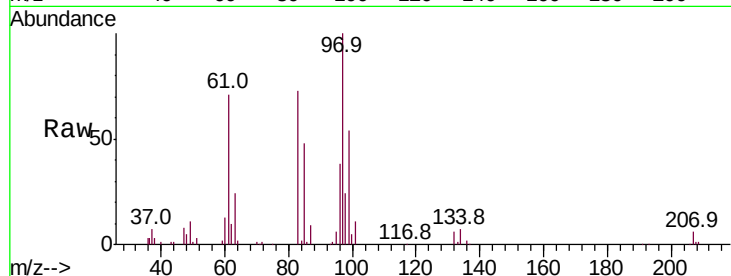
#55
 1,1,2-Trichloroethane
 Concen: 50.344 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	73.2	63.2	94.8
85	48.4	42.0	63.0
99	53.8	48.3	72.5

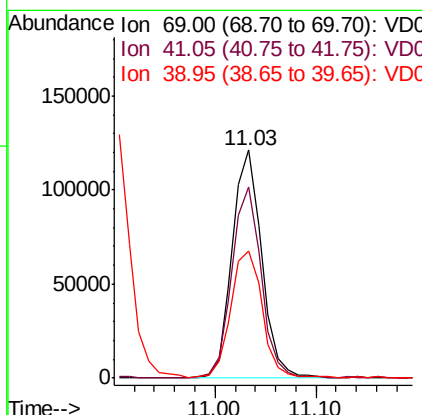
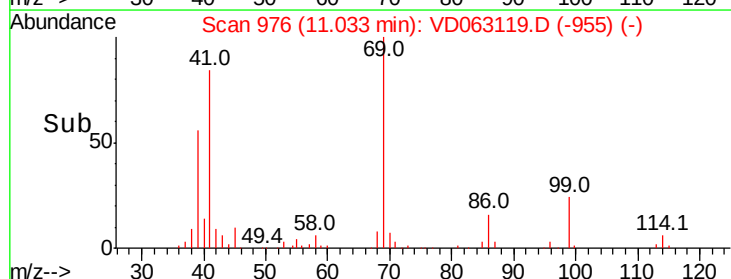
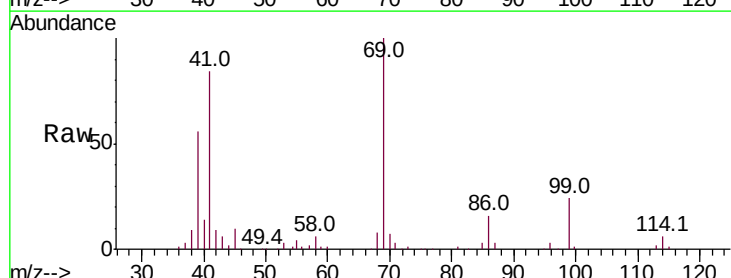
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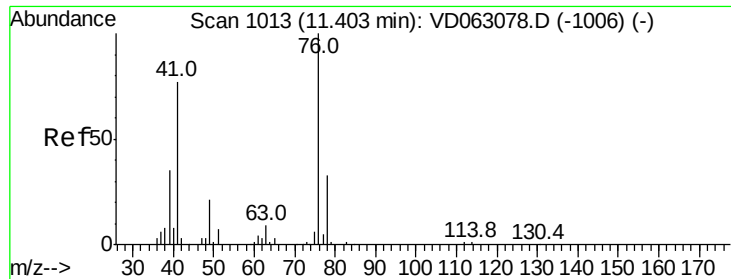
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#56
 Ethyl methacrylate
 Concen: 48.669 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	84.0	71.0	106.4
39	55.8	47.7	71.5





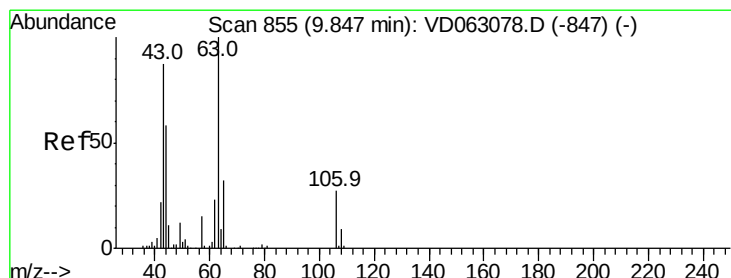
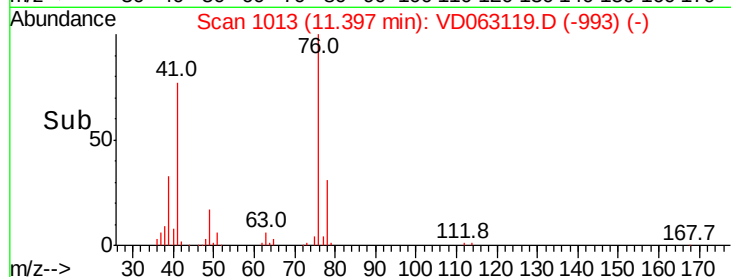
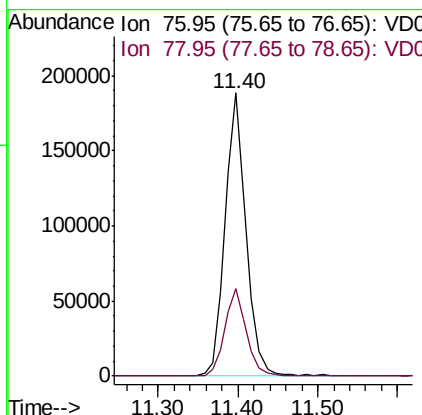
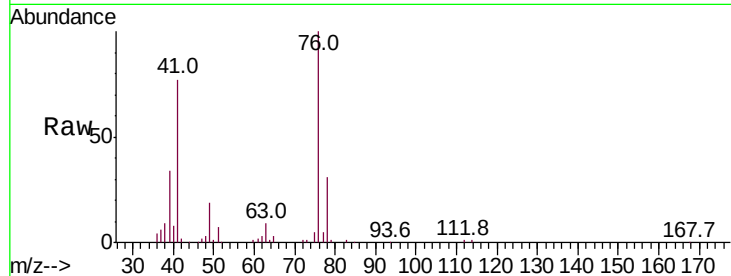
#57
 1,3-Dichloropropane
 Concen: 50.707 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 349066
 Ion Ratio Lower Upper
 76 100
 78 30.8 26.8 40.2

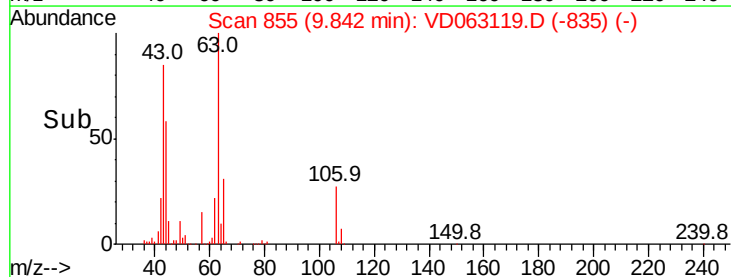
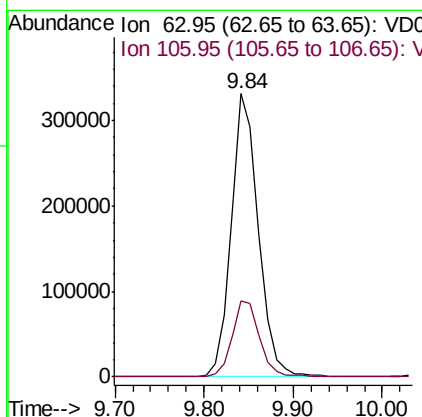
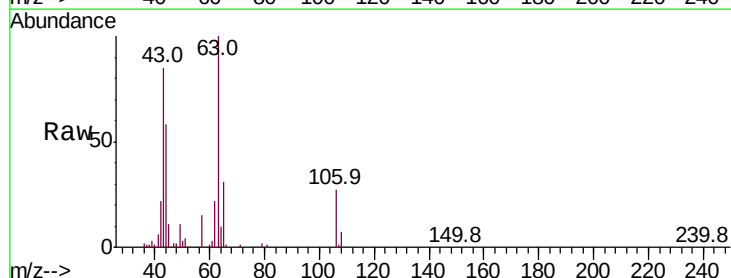
Manual Integrations
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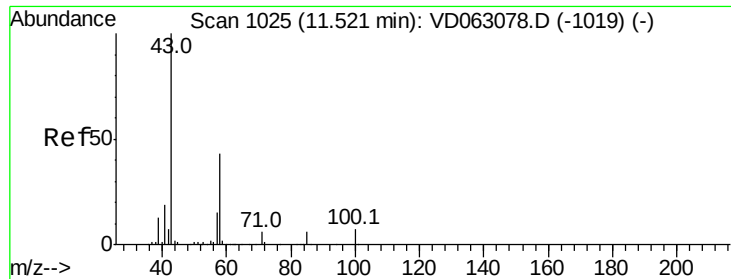
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#58
 2-Chloroethyl Vinyl ether
 Concen: 250.924 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion: 63 Resp: 706223
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.3 31.9





#59

2-Hexanone

Concen: 245.031 ug/l

RT: 11.53 min Scan# 1026

Delta R.T. 0.00 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 719663

Ion Ratio Lower Upper

43 100

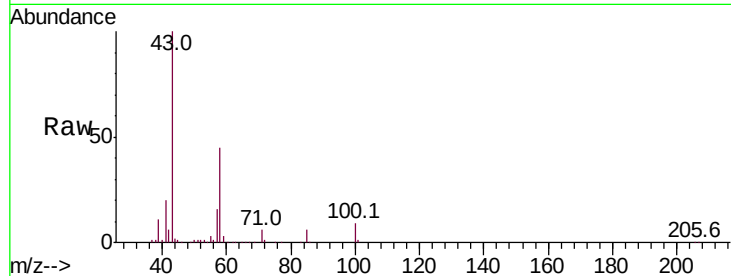
58 44.6 21.7 65.1

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VD063078.D (-1019) (-)

Ion 57.95 (57.65 to 58.65): VD063078.D (-1019) (-)

11.53

400000

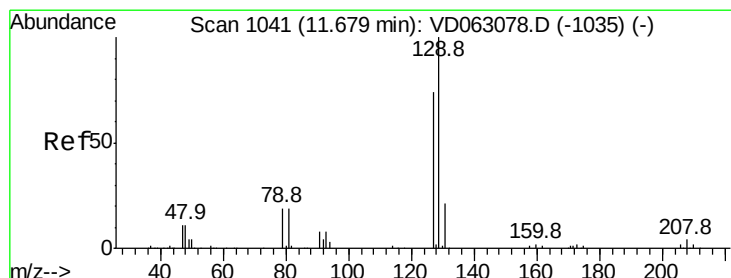
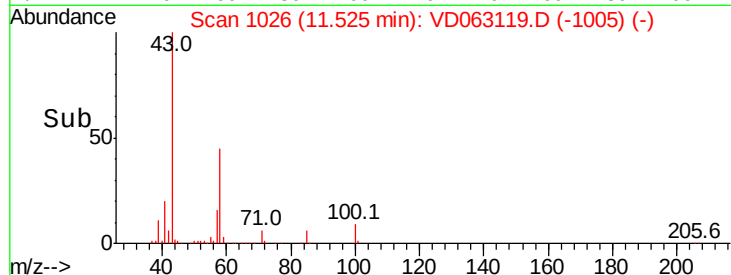
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 50.247 ug/l

RT: 11.67 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VD063119.D

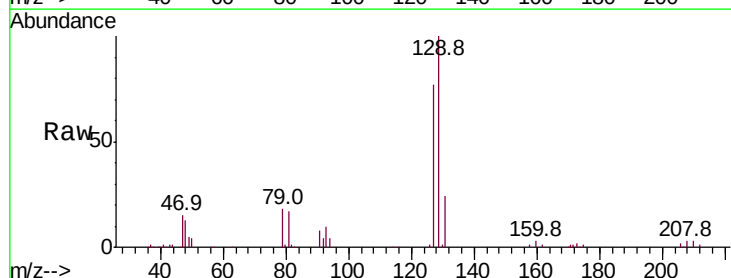
Acq: 16 Jul 2019 21:04

Tgt Ion: 129 Resp: 435743

Ion Ratio Lower Upper

129 100

127 76.7 37.0 110.9



Abundance Ion 128.80 (128.50 to 129.50): VD063078.D (-1035) (-)

Ion 126.80 (126.50 to 127.50): VD063078.D (-1035) (-)

11.67

250000

200000

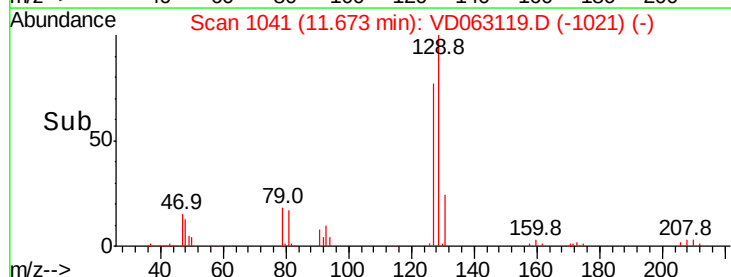
150000

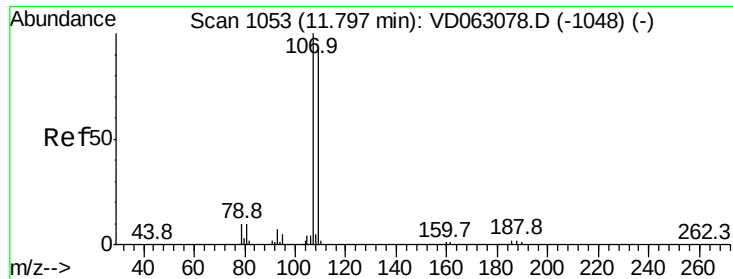
100000

50000

0

Time-->





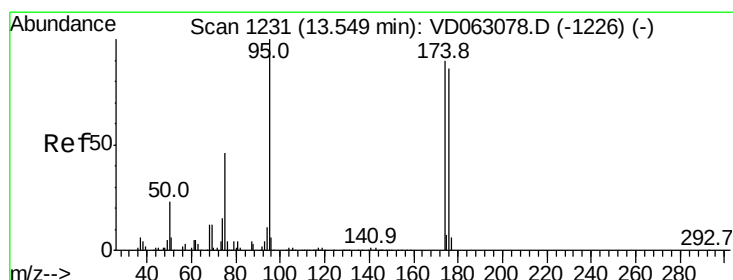
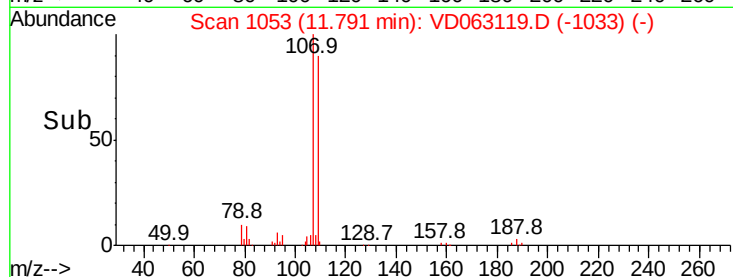
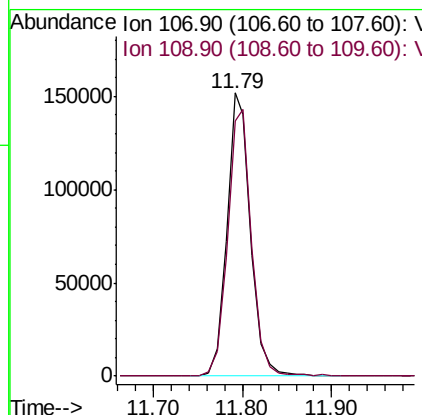
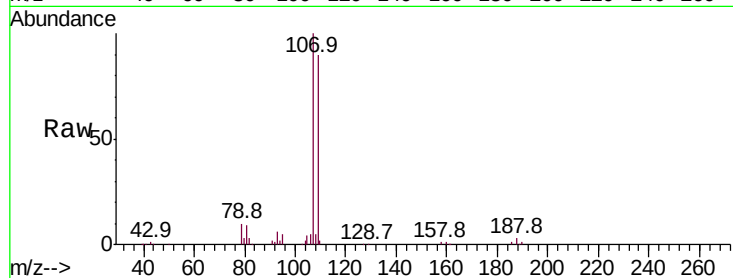
#61
 1,2-Dibromoethane
 Concen: 51.920 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.3	73.6	110.4

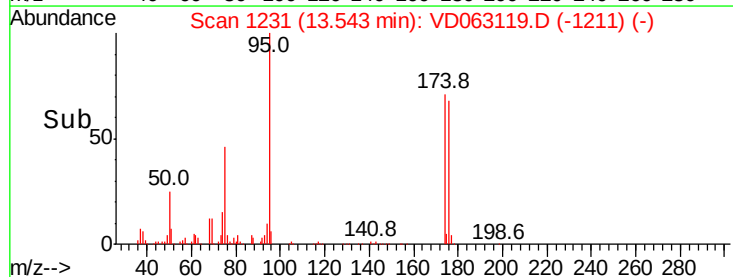
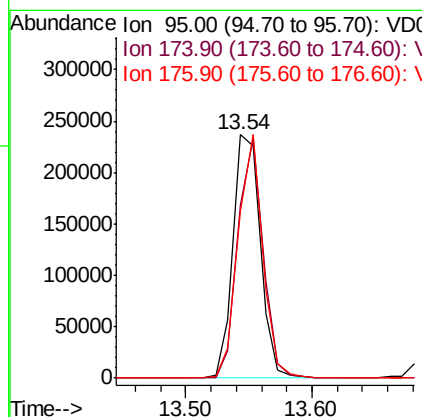
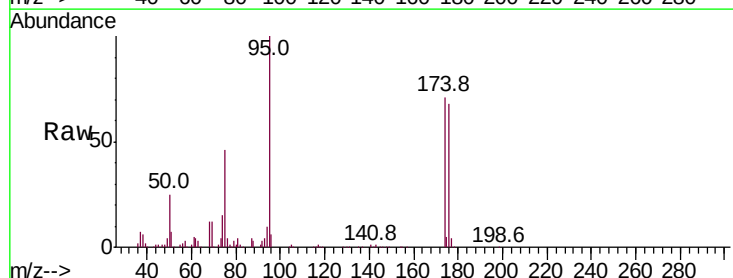
Manual Integrations
 APPROVED

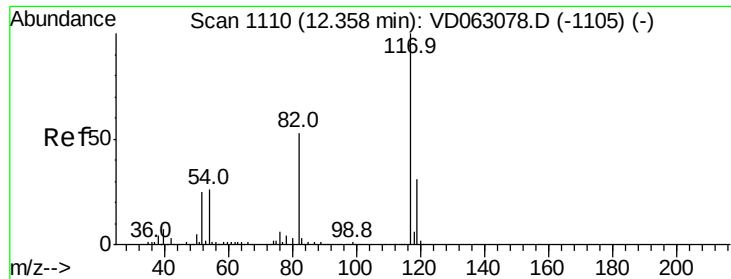
MMDadoda
 7/17/2019 9:23:34 AM



#62
 4-Bromofluorobenzene
 Concen: 42.884 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.0	0.0	180.6
176	68.4	0.0	172.2





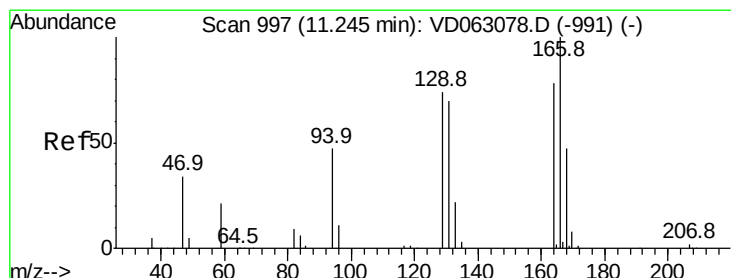
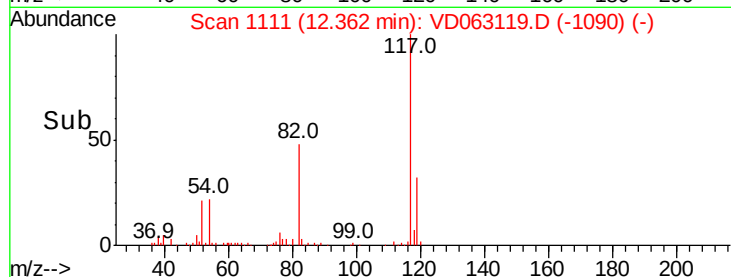
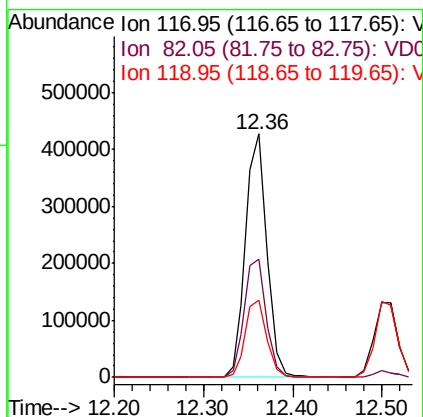
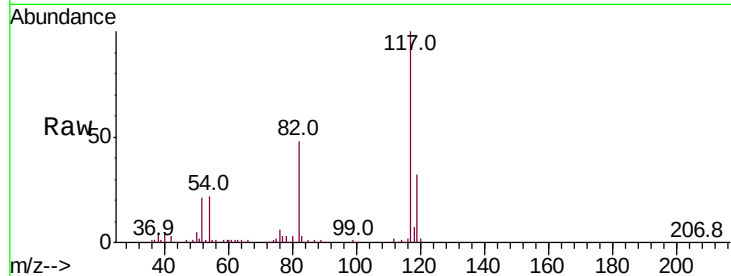
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	712271		
82	48.4	42.3	63.5	
119	31.7	25.2	37.8	

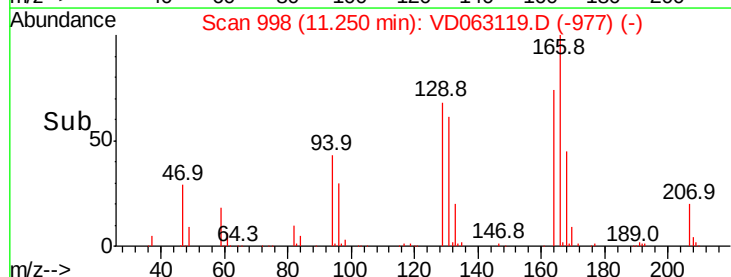
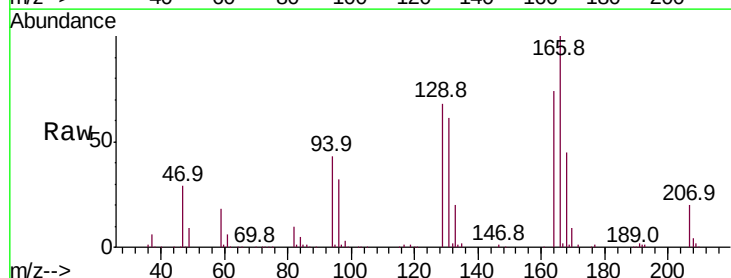
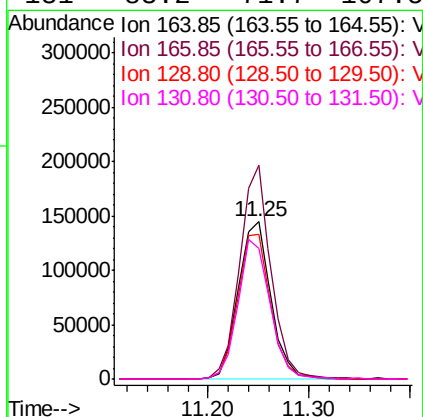
Manual Integrations
APPROVED

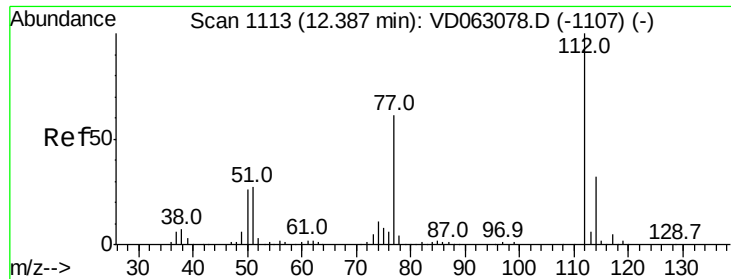
MMDadoda
7/17/2019 9:23:34 AM



#64
Tetrachloroethene
Concen: 46.936 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	324394		
166	135.8	102.8	154.2	
129	91.9	76.4	114.6	
131	83.2	71.7	107.5	





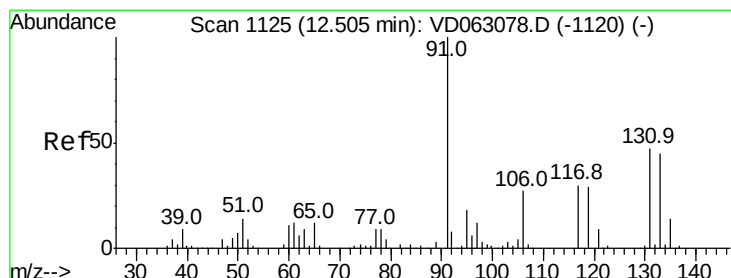
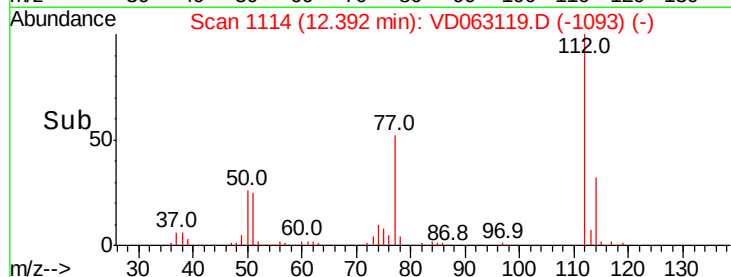
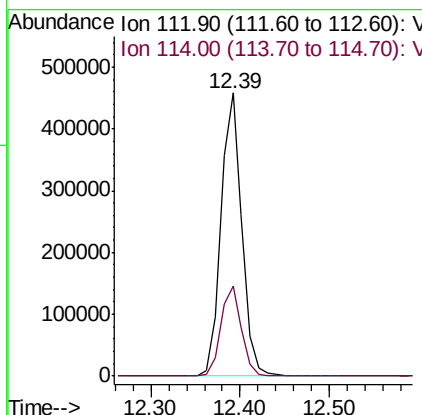
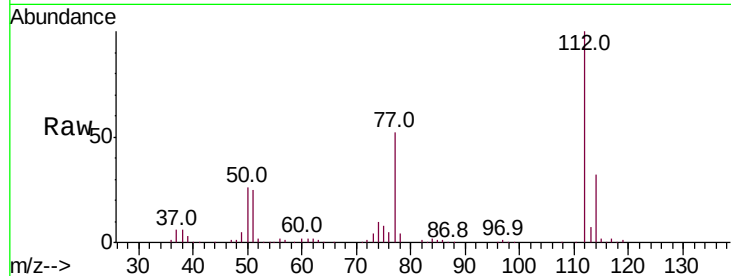
#65
Chlorobenzene
Concen: 44.987 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 753235
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9

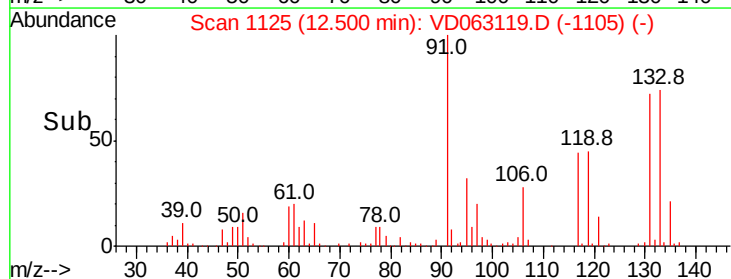
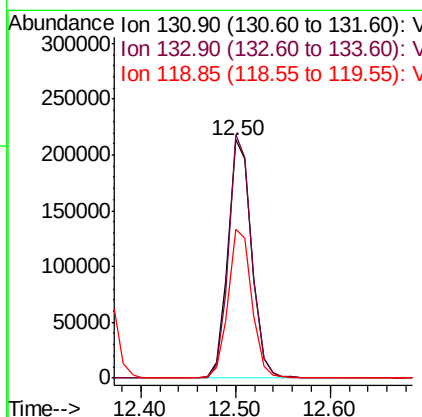
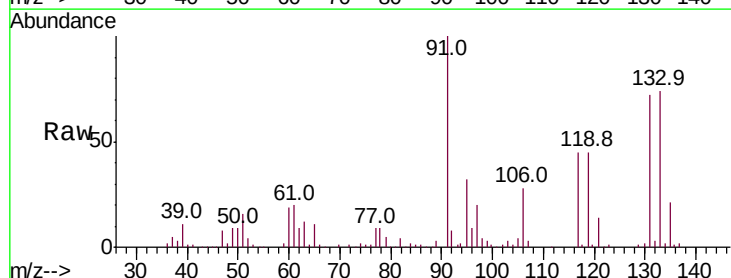
Manual Integrations
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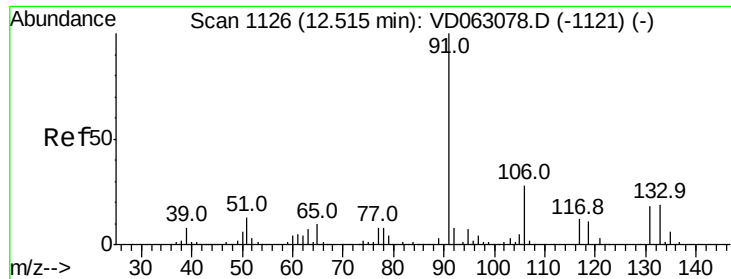
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.721 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion:131 Resp: 370444
Ion Ratio Lower Upper
131 100
133 102.3 48.5 145.6
119 62.7 30.8 92.3





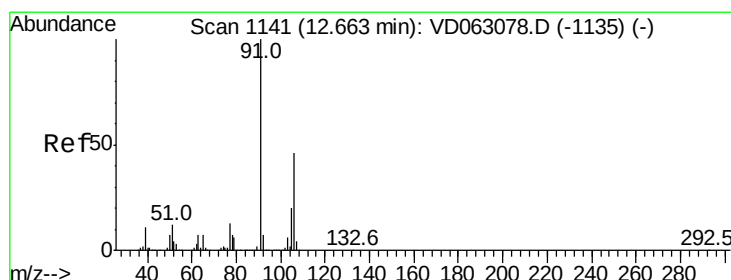
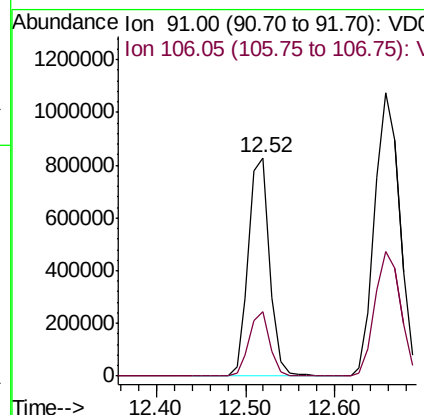
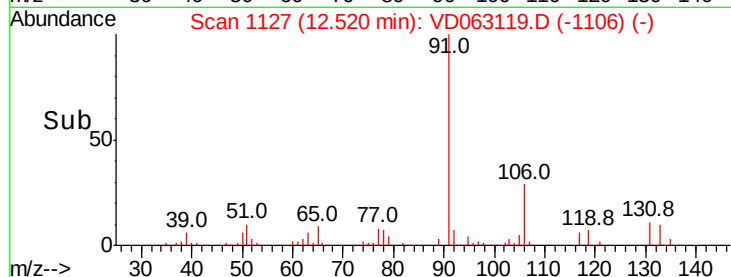
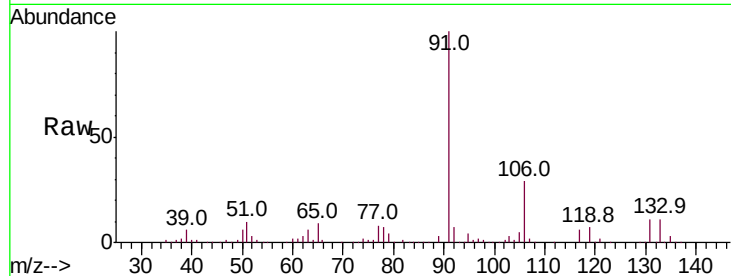
#67
Ethyl Benzene
Concen: 47.083 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1369732
Ion Ratio Lower Upper
91 100
106 29.3 22.5 33.7

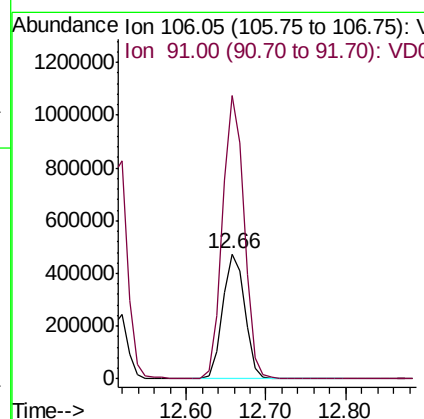
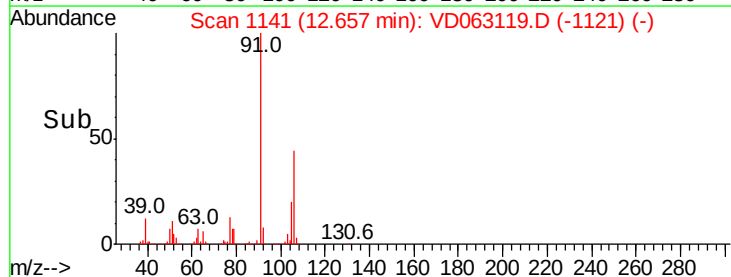
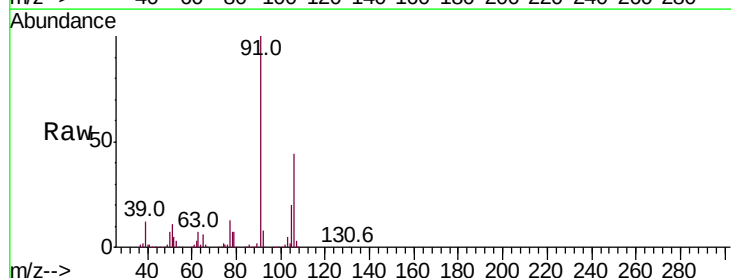
Manual Integrations
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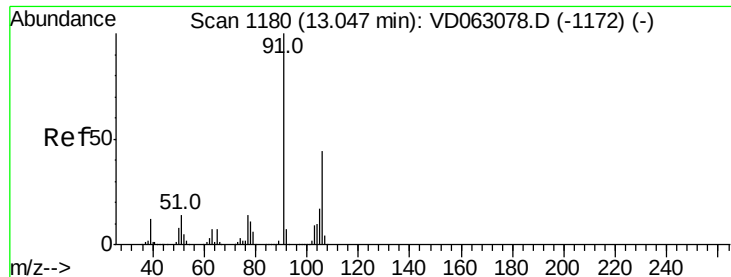
MMDadoda
7/17/2019 9:23:34 AM



#68
m/p-Xylenes
Concen: 89.733 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 106 Resp: 935011
Ion Ratio Lower Upper
106 100
91 226.9 173.0 259.6





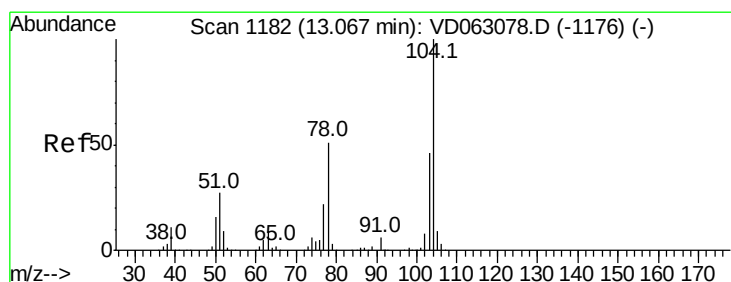
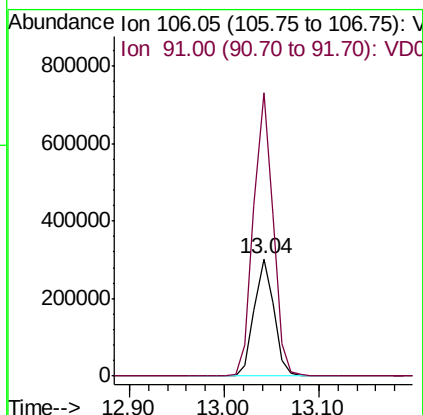
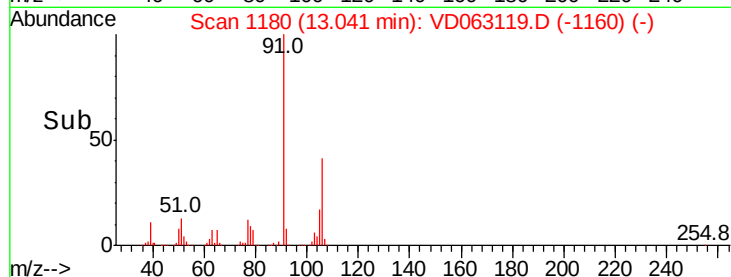
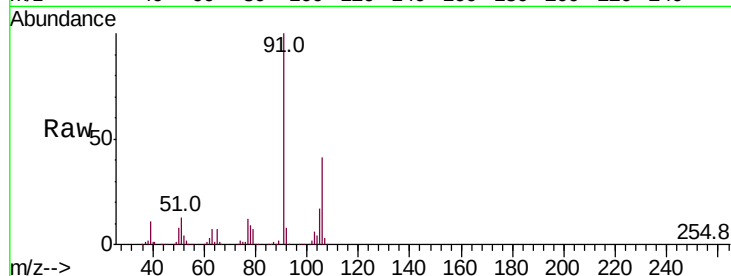
#69
o-Xylene
Concen: 44.435 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 439028
Ion Ratio Lower Upper
106 100
91 241.7 114.9 344.7

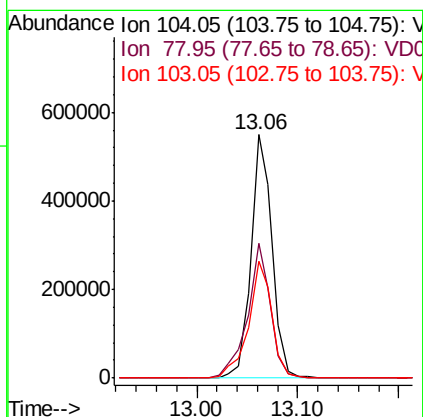
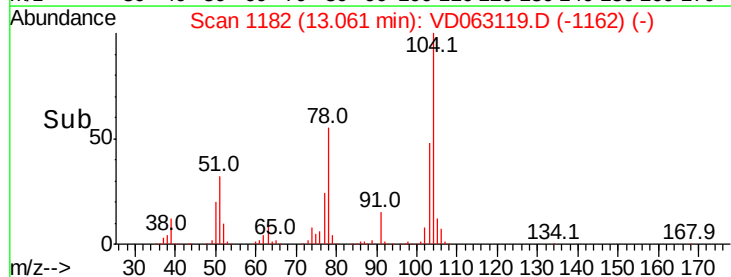
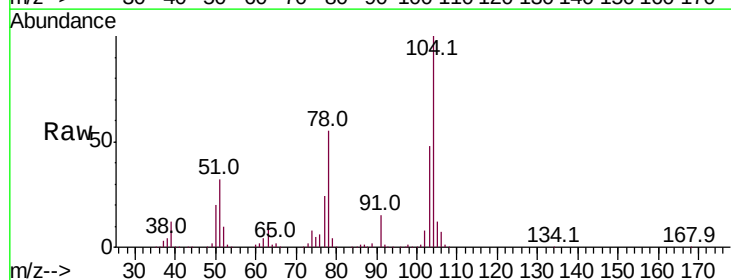
Manual Integrations
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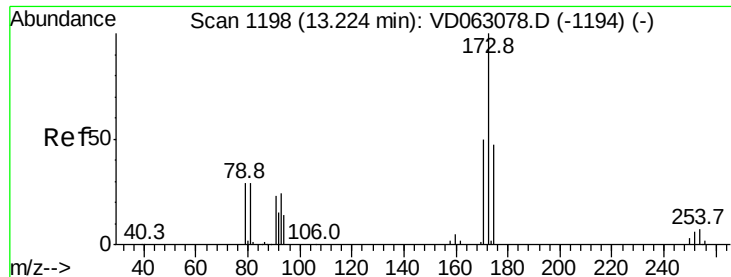
MMDadoda
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#70
Styrene
Concen: 46.444 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion:104 Resp: 803229
Ion Ratio Lower Upper
104 100
78 55.4 41.1 61.7
103 48.2 37.0 55.6





#71

Bromoform

Concen: 49.773 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 270499

Ion Ratio Lower Upper

173 100

175 45.8 23.4 70.2

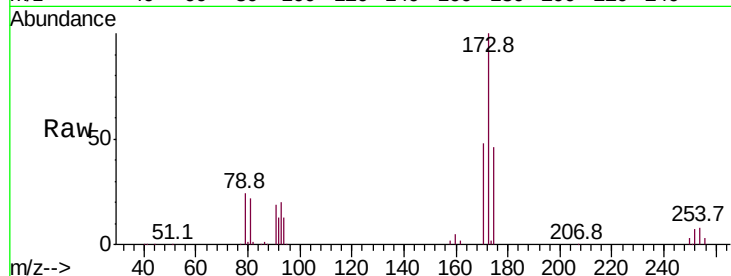
254 7.8 5.4 8.0

Manual Integrations

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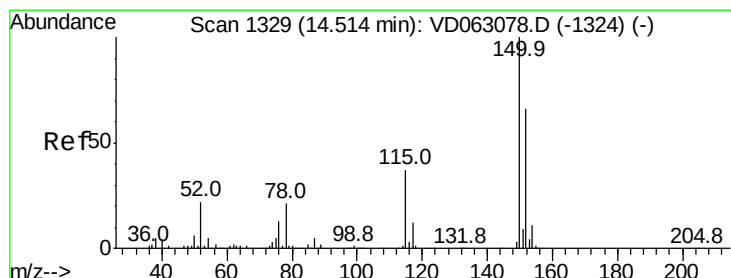
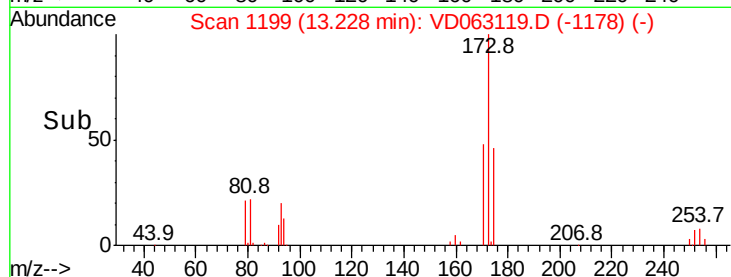
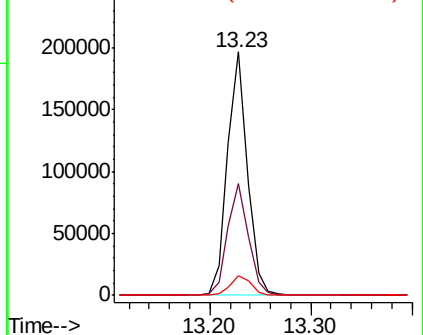
7/17/2019 9:23:34 AM



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. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

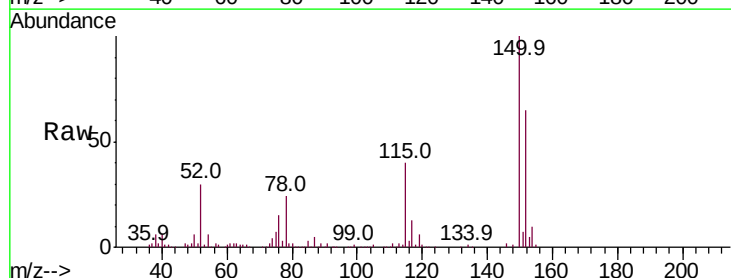
Tgt Ion:152 Resp: 395689

Ion Ratio Lower Upper

152 100

115 61.3 28.9 86.8

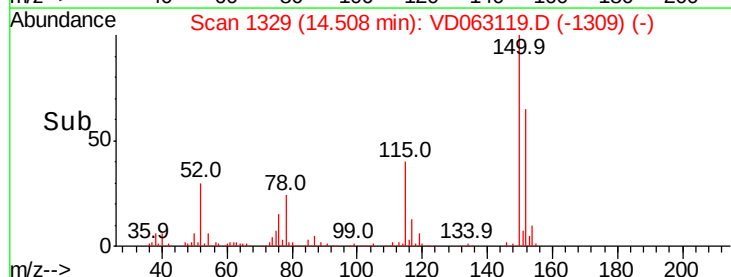
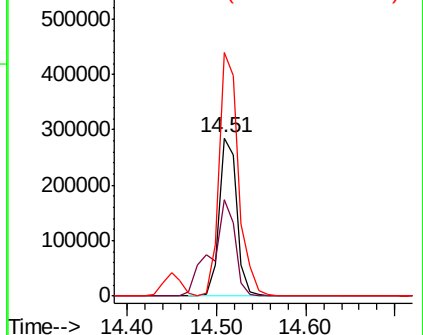
150 154.2 0.0 313.8

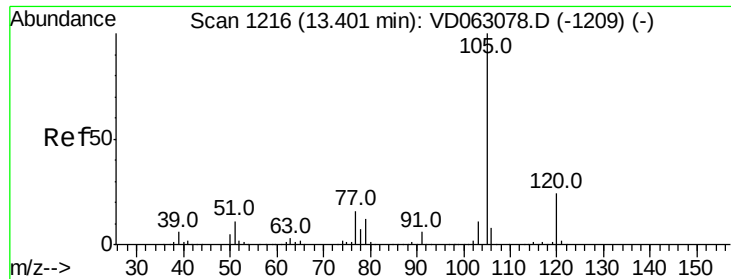


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.654 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1395106

Ion Ratio Lower Upper

105 100

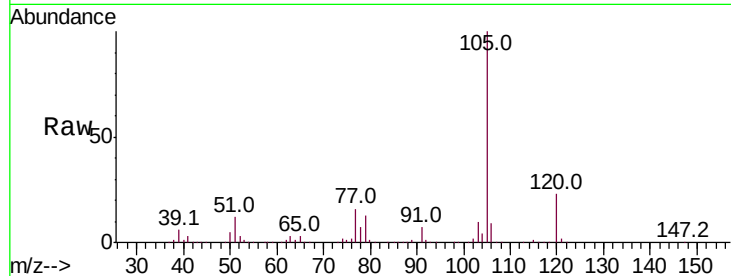
120 23.4 12.2 36.4

Manual Integrations

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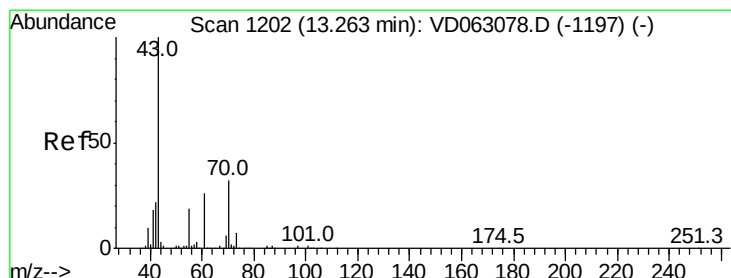
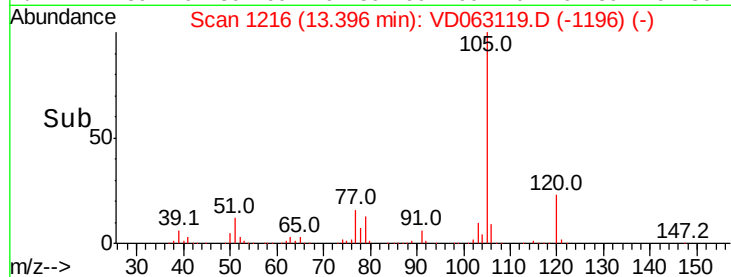
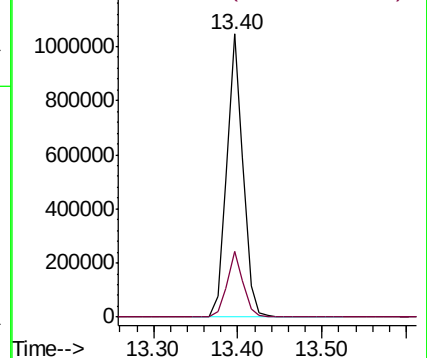
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 46.506 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Tgt Ion: 43 Resp: 396336

Ion Ratio Lower Upper

43 100

70 28.9 25.5 38.3

55 18.1 15.4 23.0

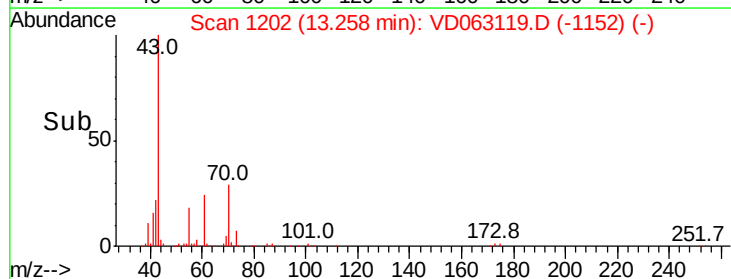
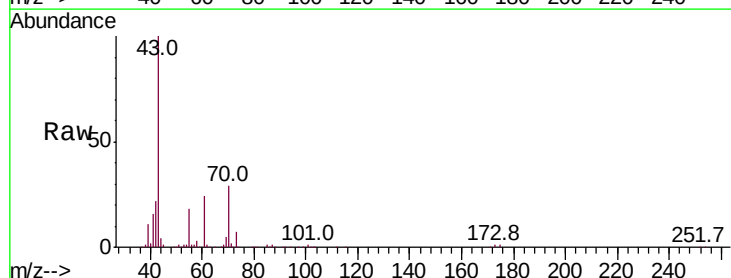
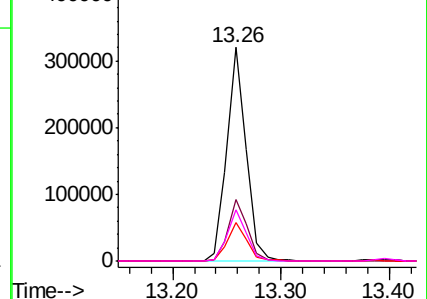
61 24.2 20.6 31.0

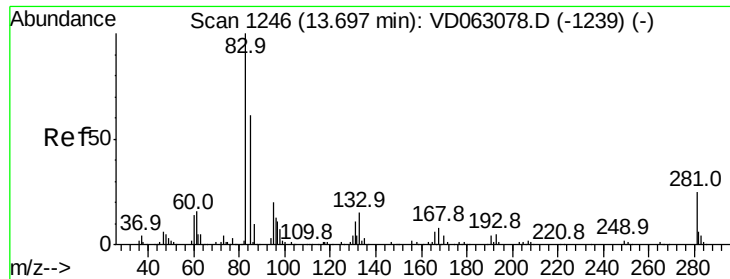
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 46.998 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 261298

Ion Ratio Lower Upper

83 100

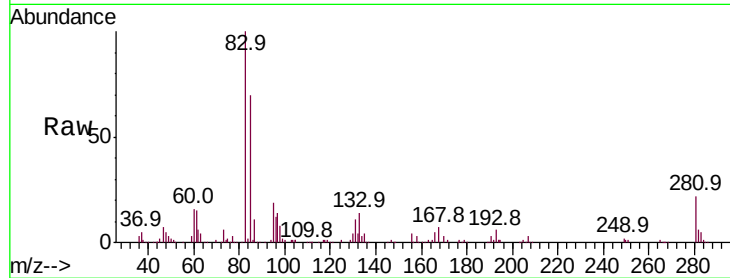
131 11.4 5.5 16.7

85 70.0 30.7 92.1

Manual Integrations
APPROVED

MMDadoda

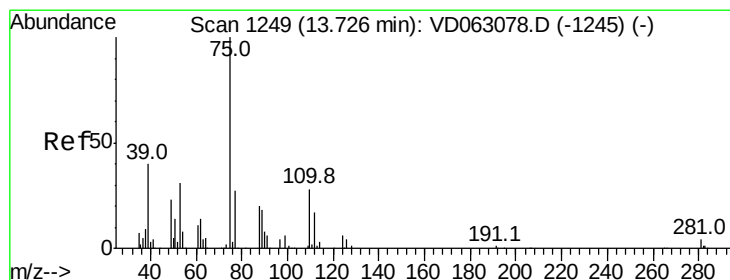
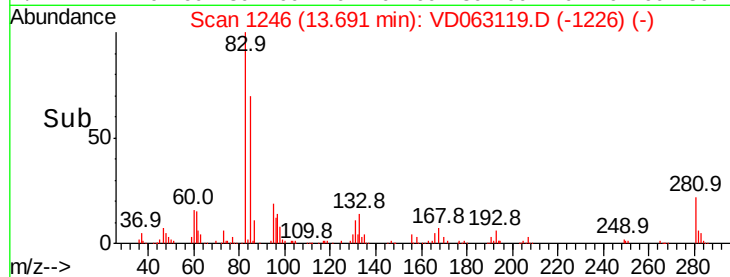
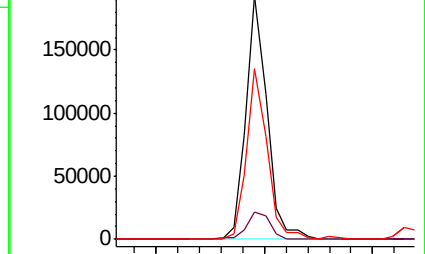
7/17/2019 9:23:34 AM



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: 47.766 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063119.D

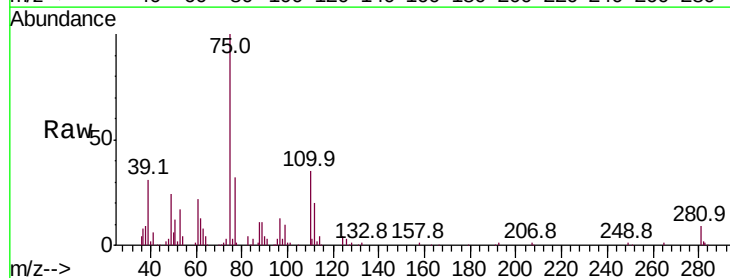
Acq: 16 Jul 2019 21:04

Tgt Ion: 75 Resp: 290745

Ion Ratio Lower Upper

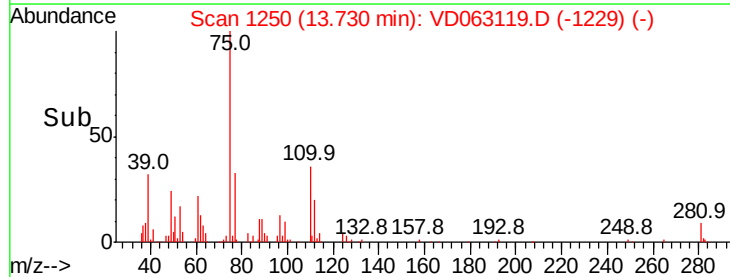
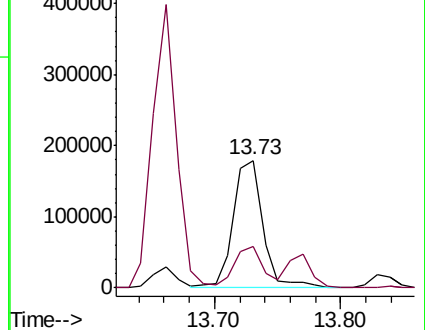
75 100

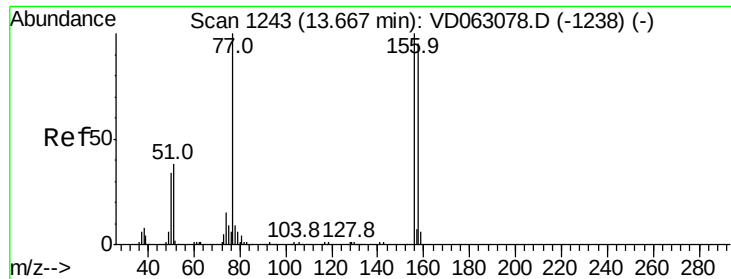
77 32.2 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





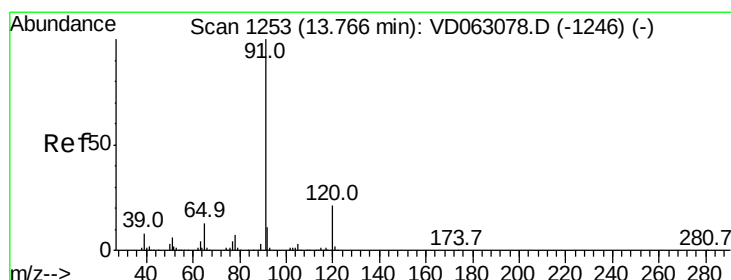
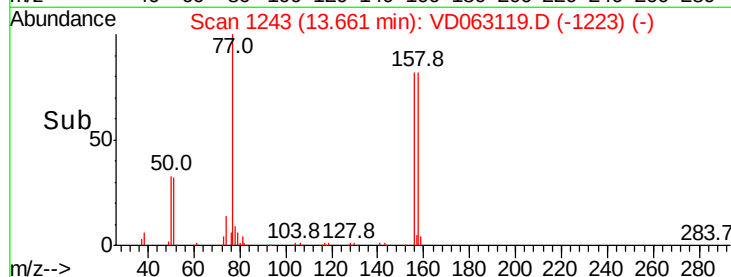
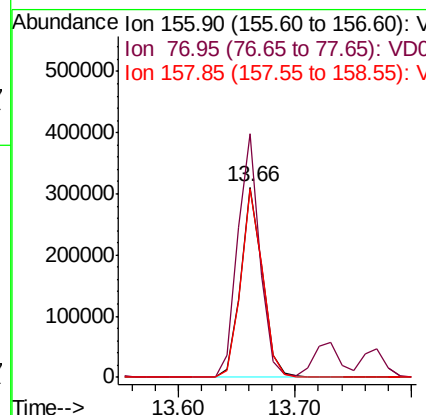
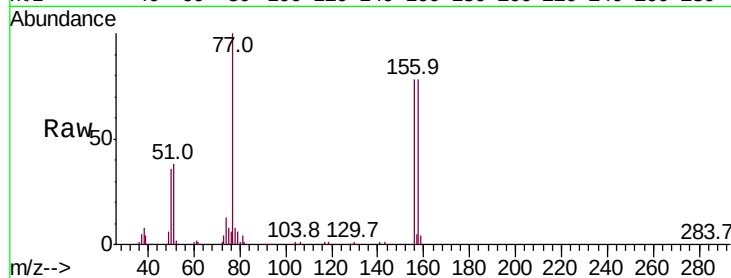
#77
Bromobenzene
Concen: 46.302 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:156 Resp: 401241
Ion Ratio Lower Upper
156 100
77 128.1 50.2 150.7
158 99.5 47.6 142.9

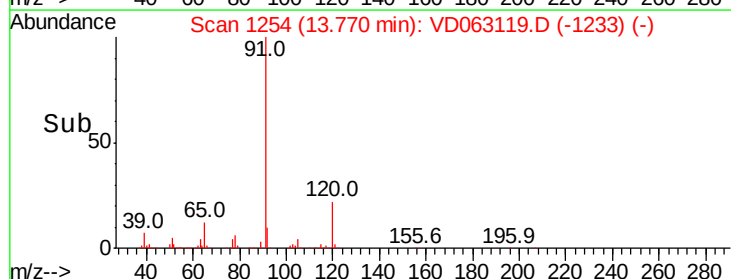
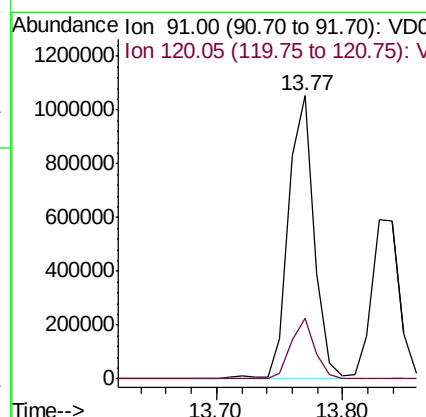
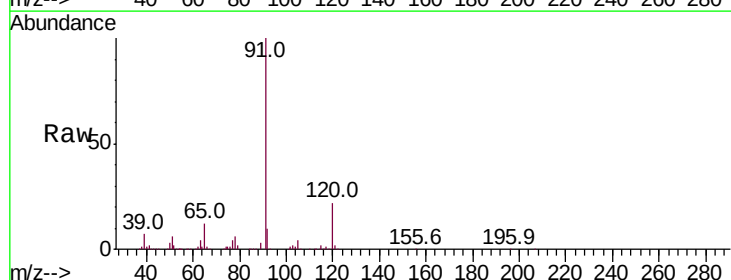
Manual Integrations
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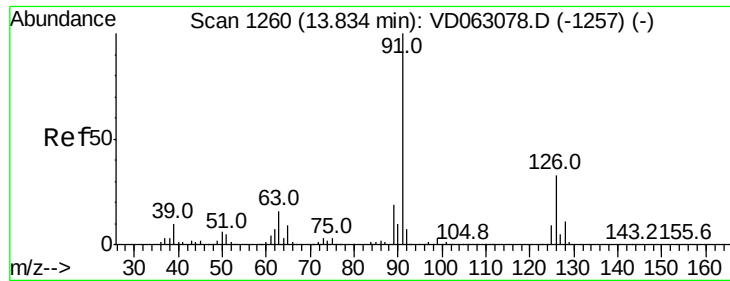
MMDadoda
7/17/2019 9:23:34 AM



#78
n-propylbenzene
Concen: 42.372 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 91 Resp: 1490018
Ion Ratio Lower Upper
91 100
120 21.7 10.5 31.6





#79

2-Chlorotoluene

Concen: 42.931 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 912797

Ion Ratio Lower Upper

91 100

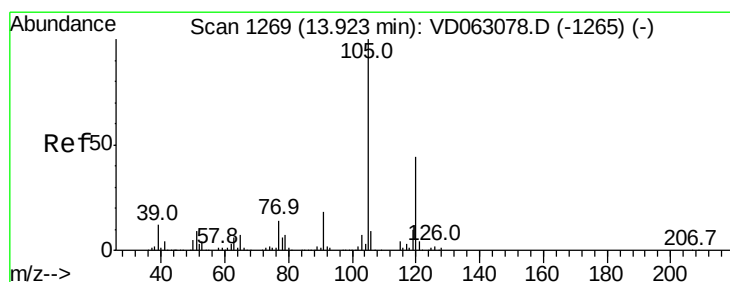
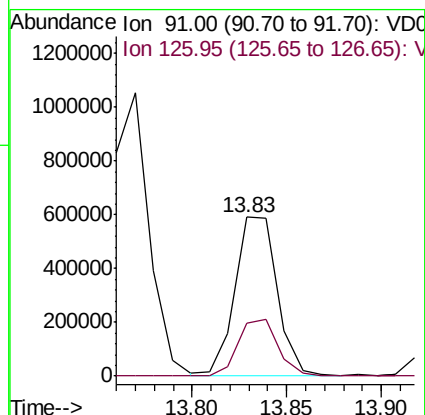
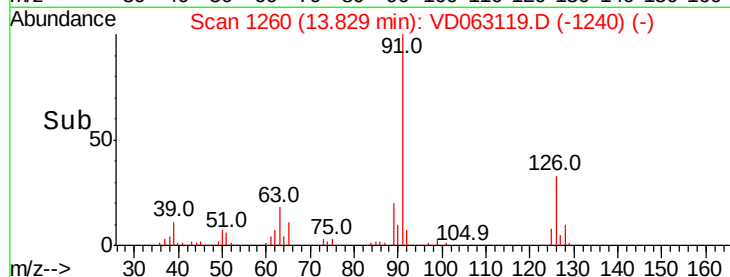
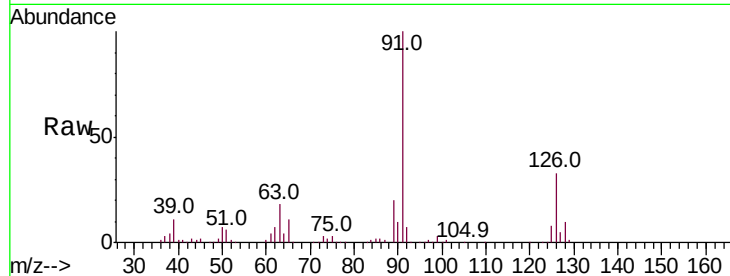
126 33.3 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 45.050 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063119.D

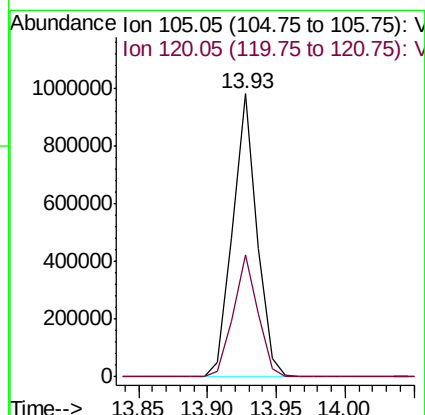
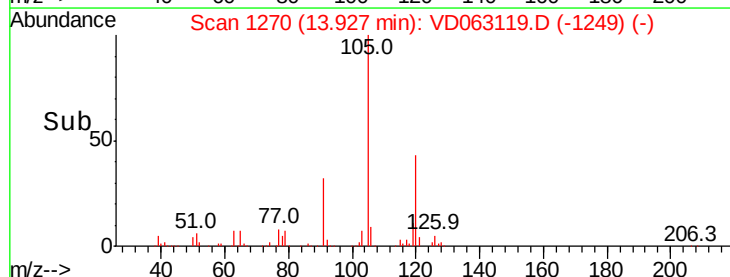
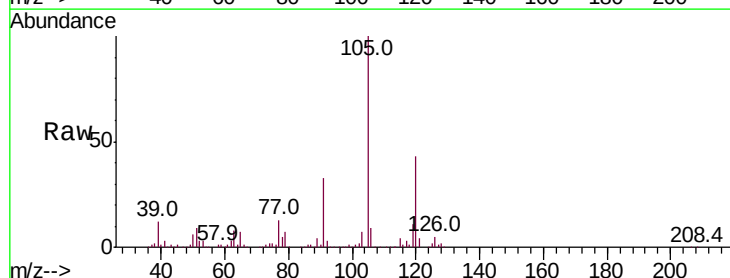
Acq: 16 Jul 2019 21:04

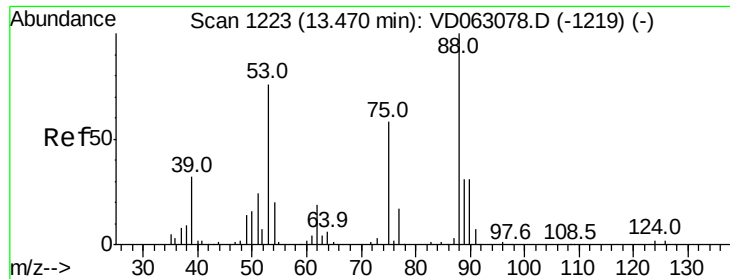
Tgt Ion: 105 Resp: 1199792

Ion Ratio Lower Upper

105 100

120 43.0 21.8 65.4





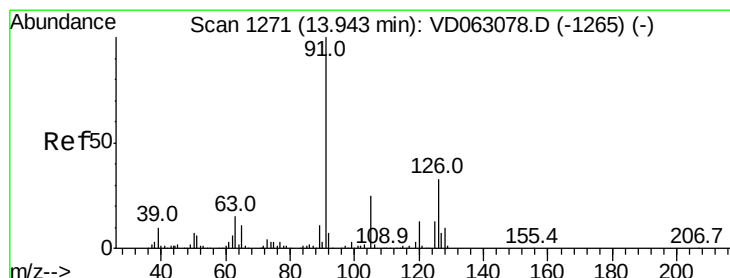
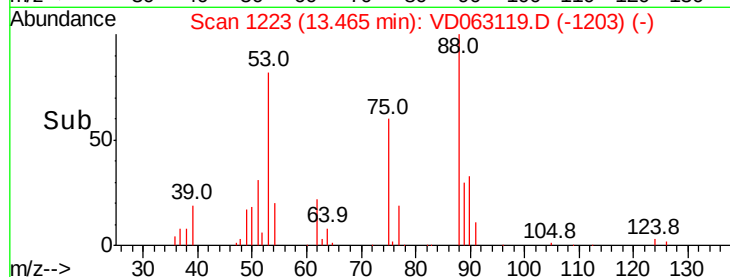
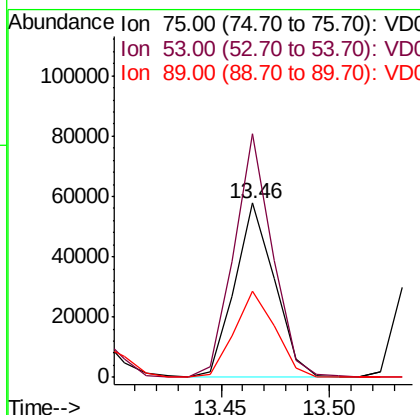
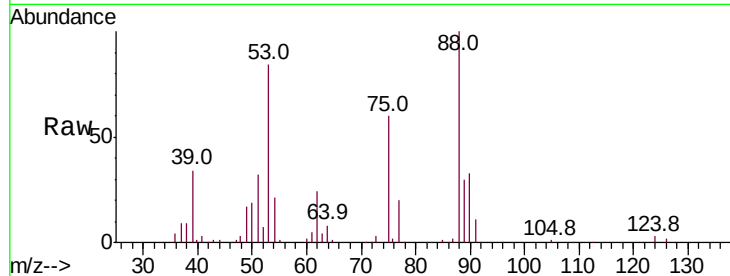
#81
trans-1,4-Dichloro-2-butene
Concen: 46.497 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 74530
Ion Ratio Lower Upper
75 100
53 139.6 104.4 156.6
89 49.7 43.1 64.7

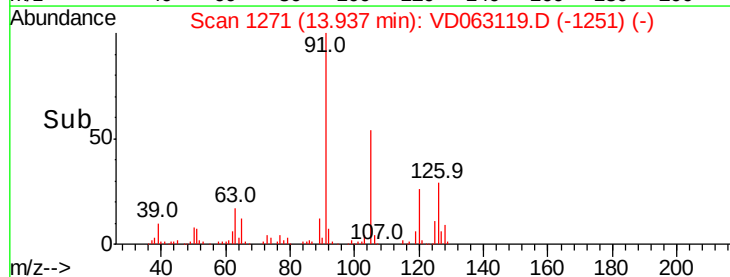
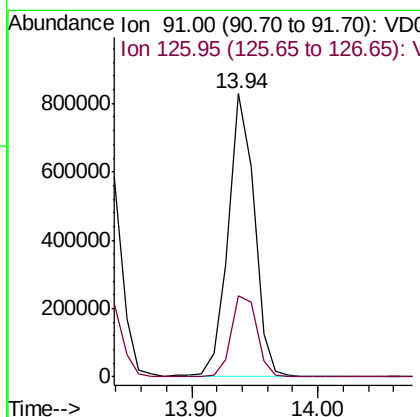
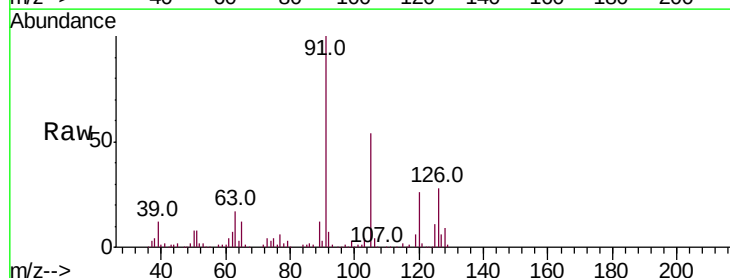
Manual Integrations
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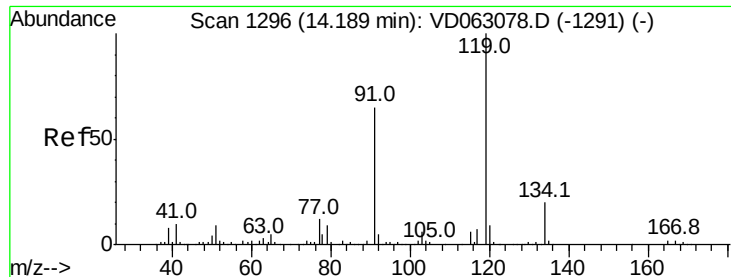
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.277 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 91 Resp: 1173794
Ion Ratio Lower Upper
91 100
126 28.5 16.7 50.1





#83
 tert-Butylbenzene
 Concen: 47.903 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

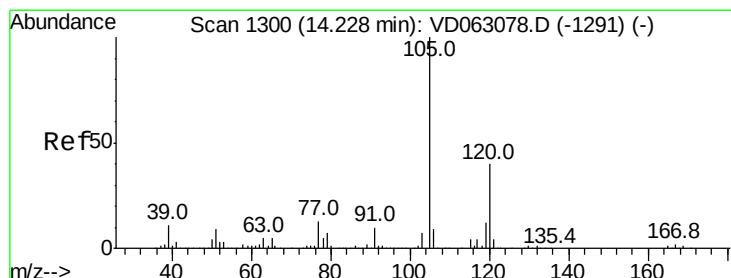
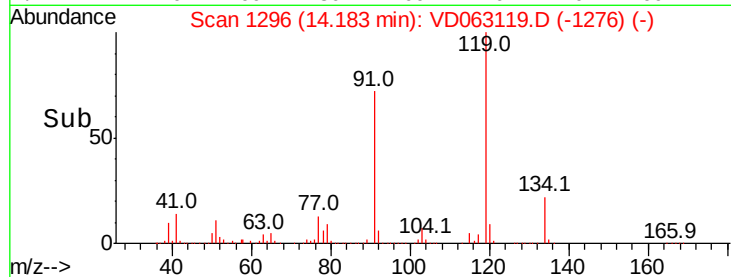
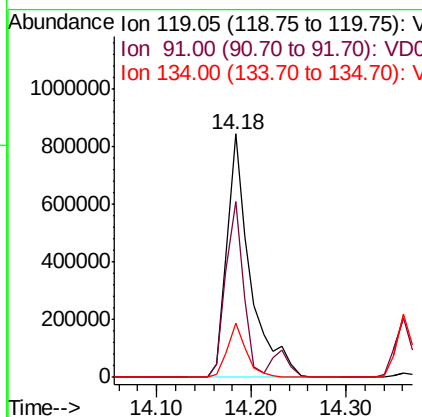
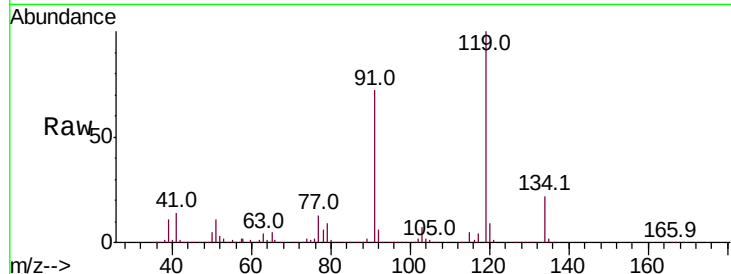
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1442539

Ion	Ratio	Lower	Upper
119	100		
91	72.2	32.4	97.2
134	22.1	10.2	30.6

Manual Integrations
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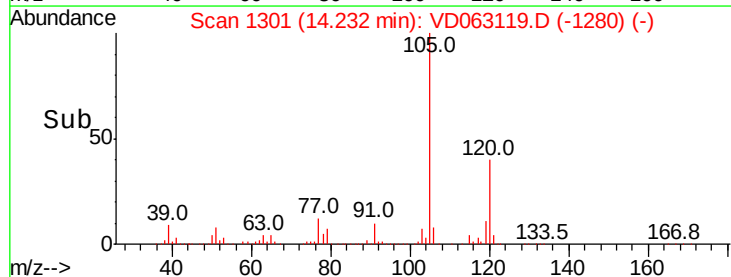
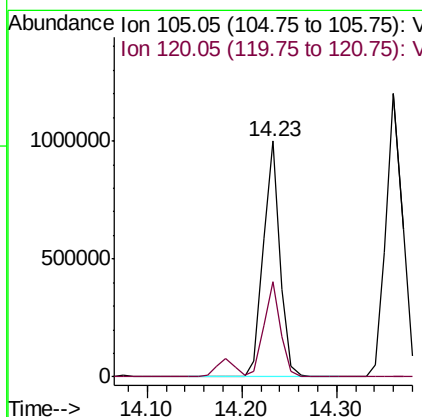
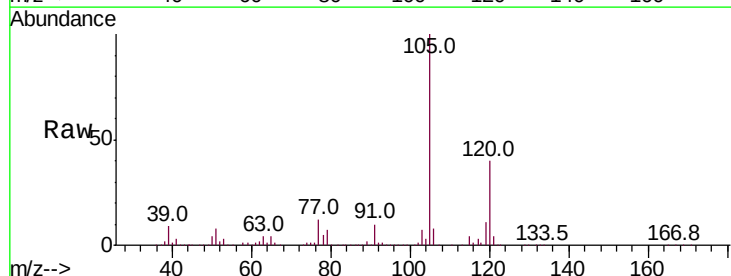
MMDadoda
 7/17/2019 9:23:34 AM

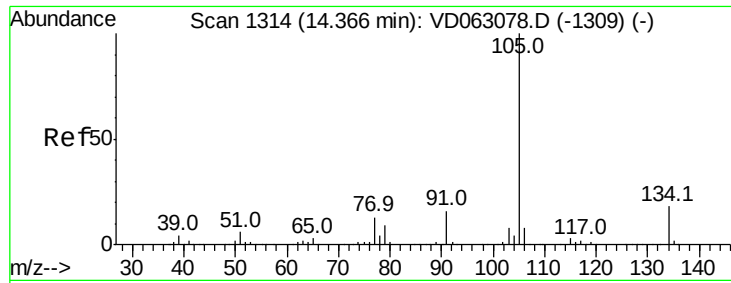


#84
 1,2,4-Trimethylbenzene
 Concen: 46.709 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion:105 Resp: 1240212

Ion	Ratio	Lower	Upper
105	100		
120	40.4	20.2	60.6





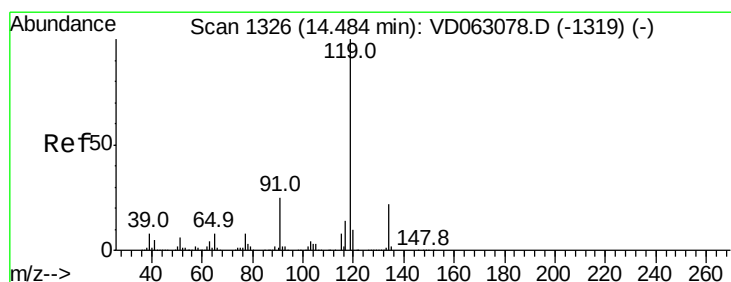
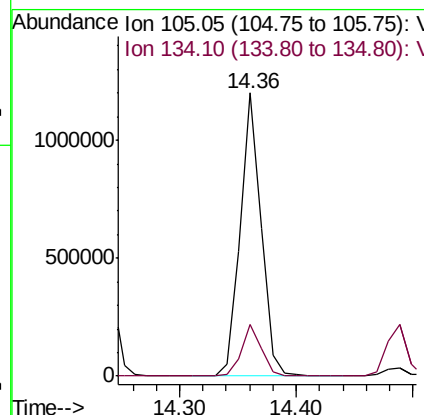
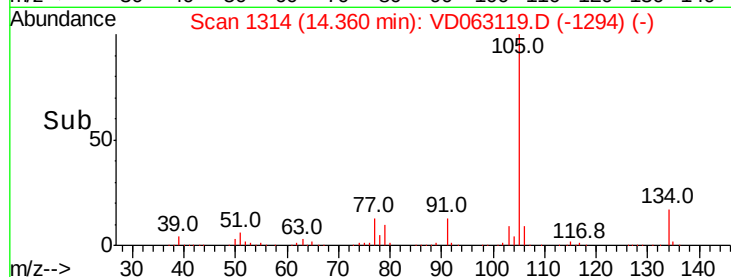
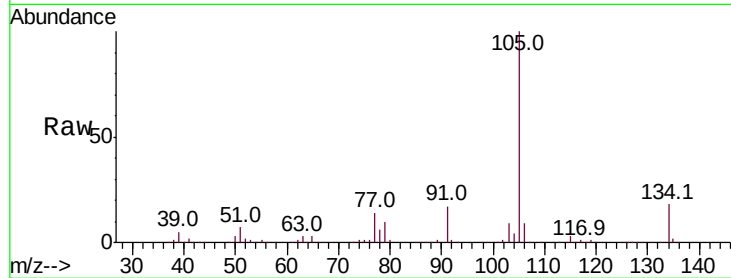
#85
 sec-Butylbenzene
 Concen: 46.564 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1489838
 Ion Ratio Lower Upper
 105 100
 134 18.1 8.9 26.8

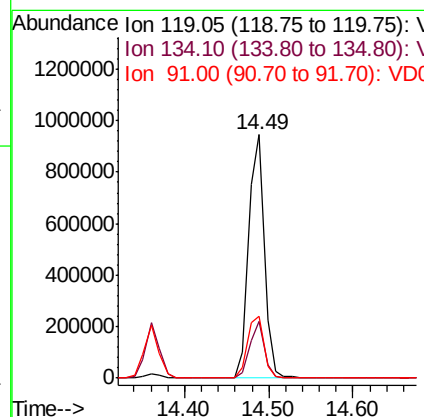
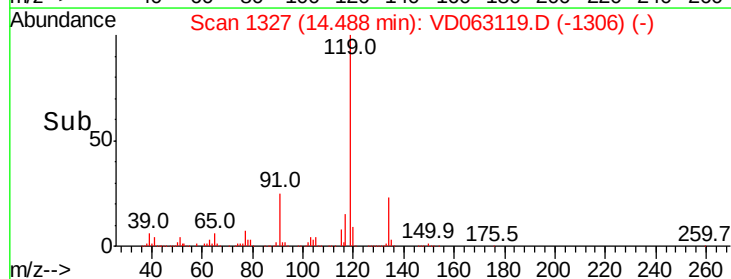
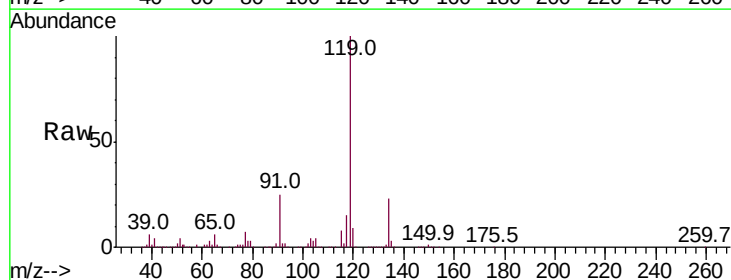
Manual Integrations
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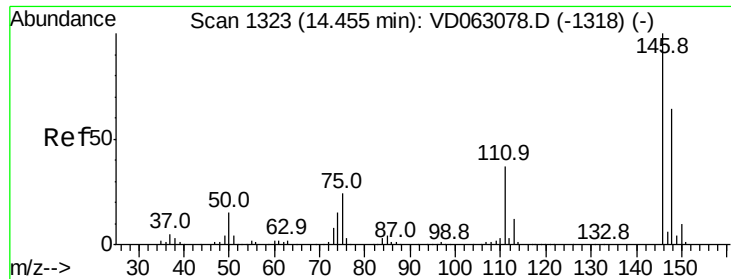
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#86
 p-Isopropyltoluene
 Concen: 40.930 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion:119 Resp: 1221678
 Ion Ratio Lower Upper
 119 100
 134 23.1 10.8 32.4
 91 25.4 12.5 37.5





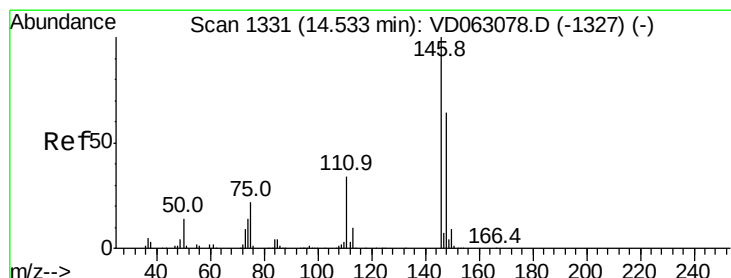
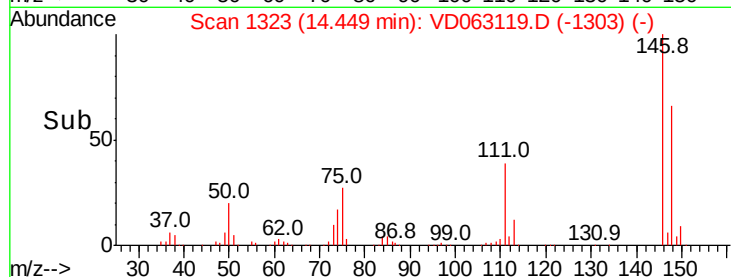
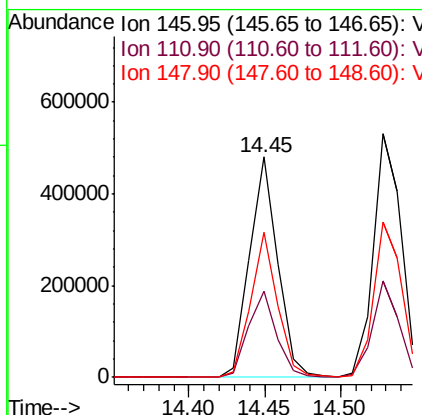
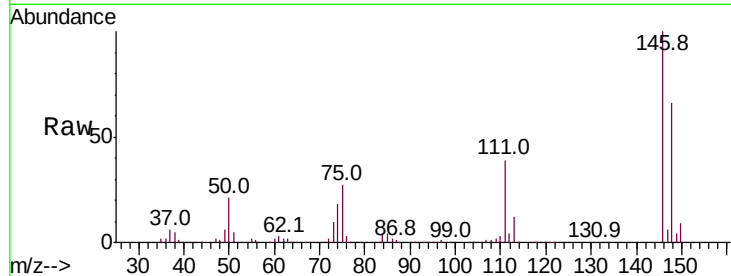
#87
 1,3-Dichlorobenzene
 Concen: 40.343 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.6	55.6
148	65.8	32.0	96.0

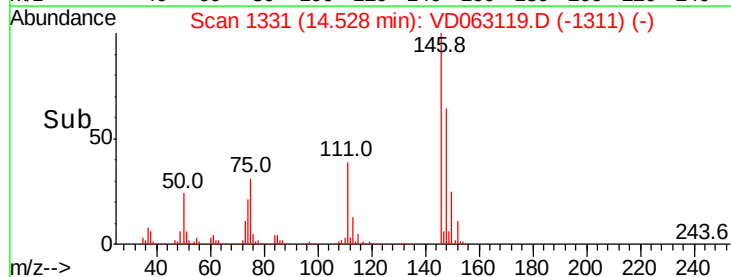
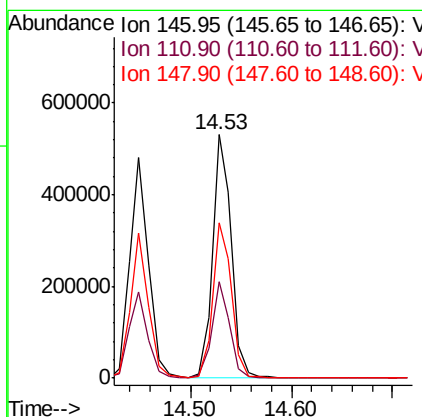
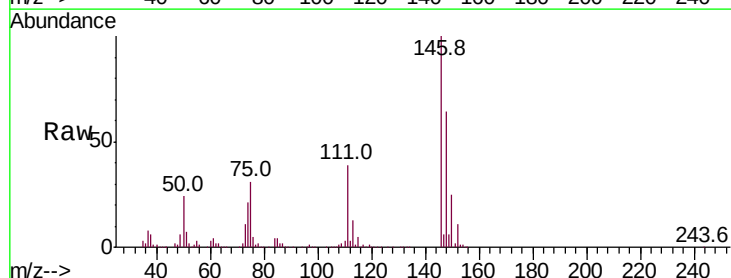
Manual Integrations
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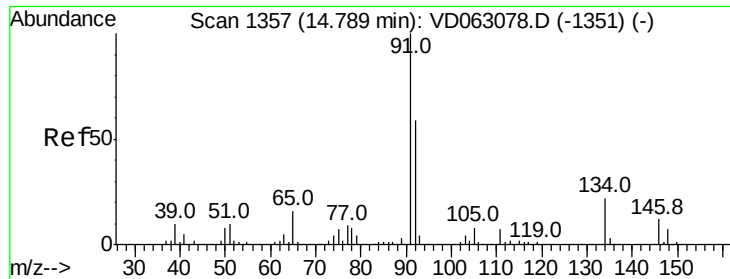
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 7/17/2019 9:23:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.785 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	17.0	51.0
148	64.0	32.0	96.2





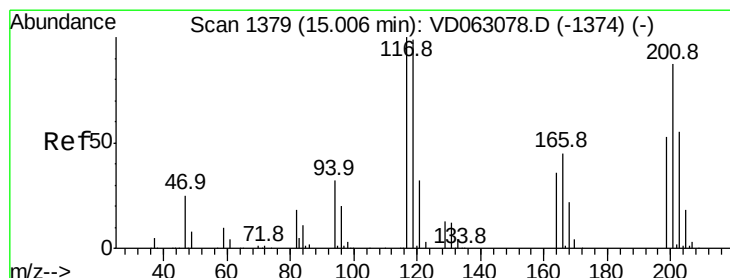
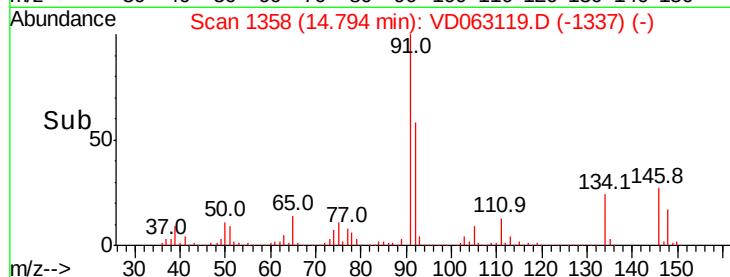
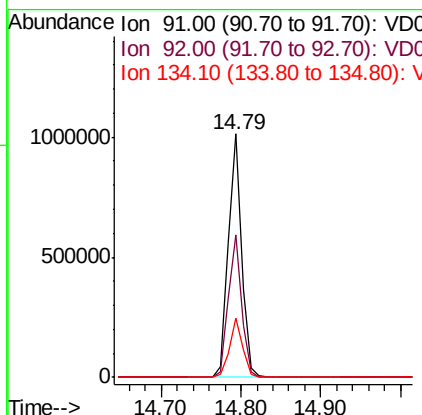
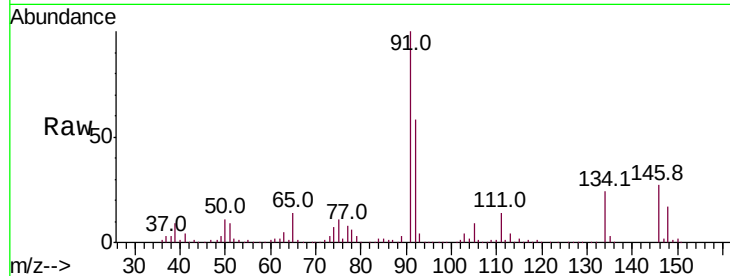
#89
n-Butylbenzene
Concen: 43.968 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.4	29.4	88.3
134	24.3	11.3	33.8

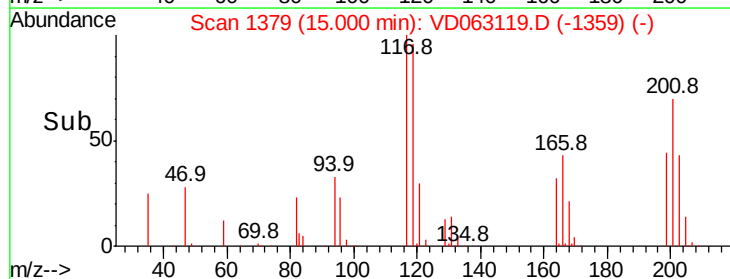
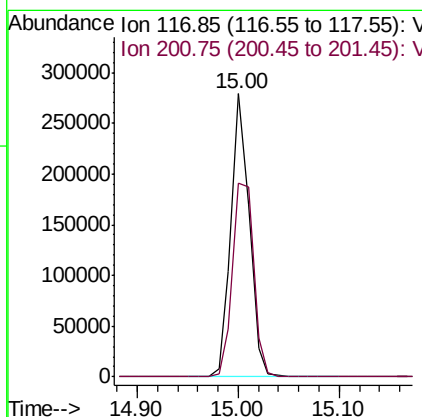
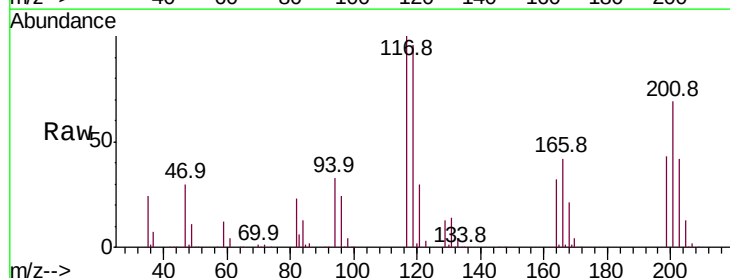
Manual Integrations
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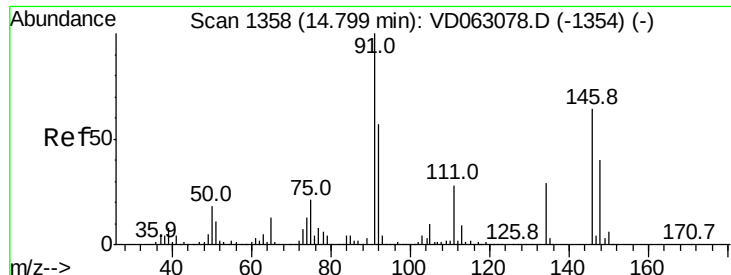
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#90
Hexachloroethane
Concen: 44.199 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.6	43.4	130.1





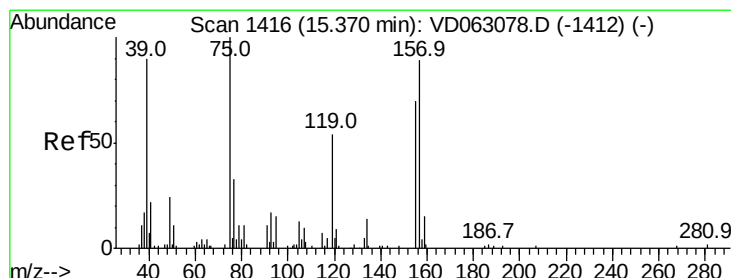
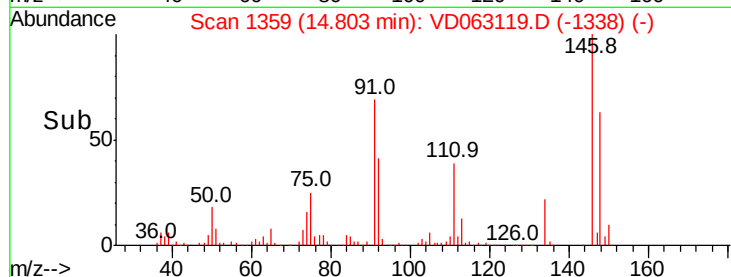
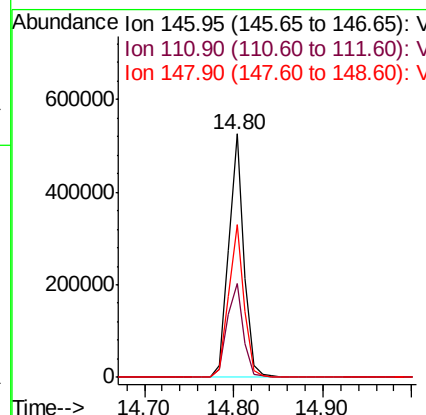
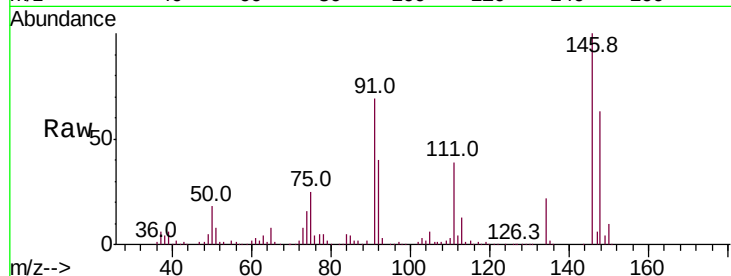
#91
 1,2-Dichlorobenzene
 Concen: 46.454 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	21.9	65.5
148	62.9	31.5	94.5

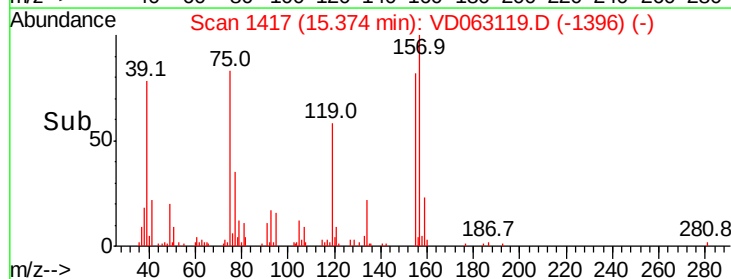
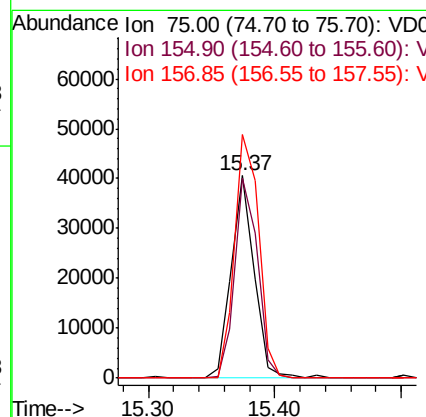
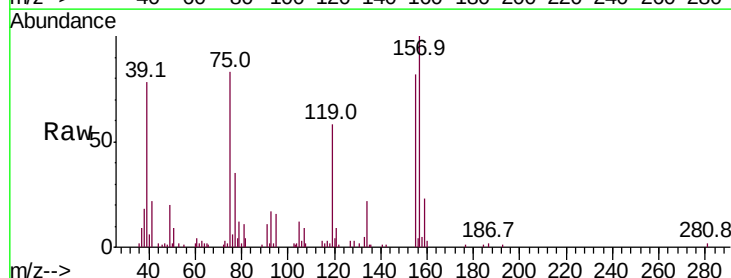
Manual Integrations
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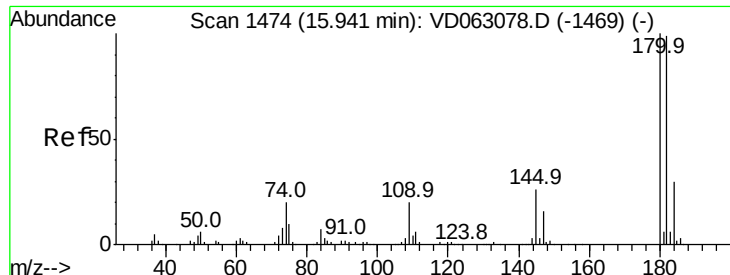
MMDadoda
 7/17/2019 9:23:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.589 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	34.8	104.3
157	120.3	44.7	134.1





#93

1,2,4-Trichlorobenzene

Concen: 45.462 ug/l

RT: 15.94 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

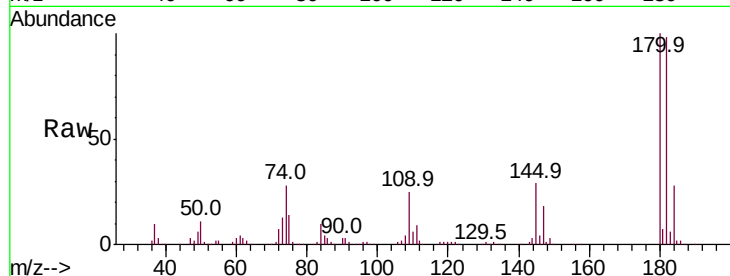
ClientSampleId :

VSTDCCC050EC

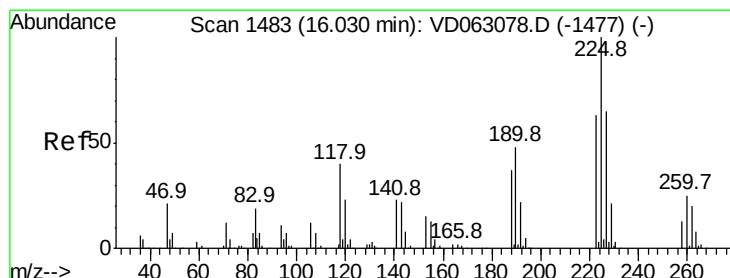
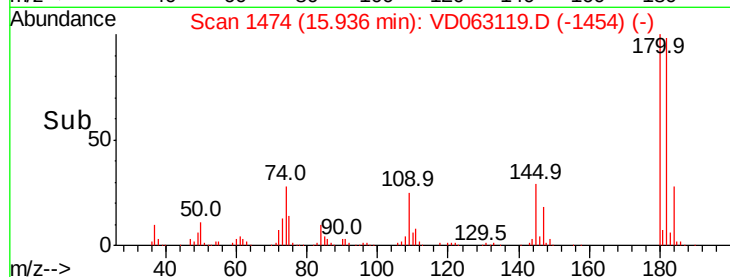
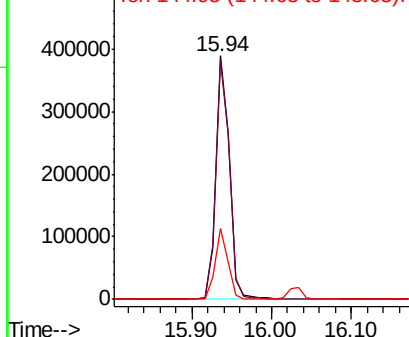
Tot Ion:	180	Resp:	470673
Ion Ratio	Lower	Upper	
180	100		
182	98.1	49.5	148.3
145	28.8	12.8	38.4

Manual Integrations
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7/17/2019 9:23:34 AM



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: 47.032 ug/l

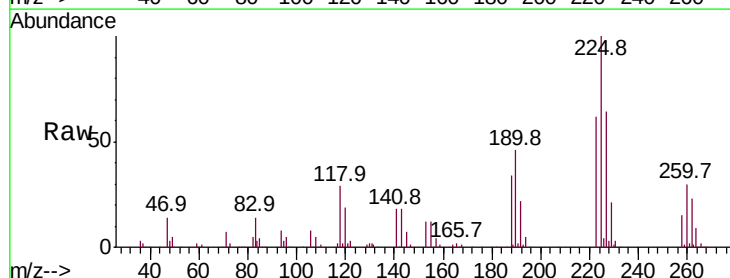
RT: 16.03 min Scan# 1484

Delta R.T. 0.00 min

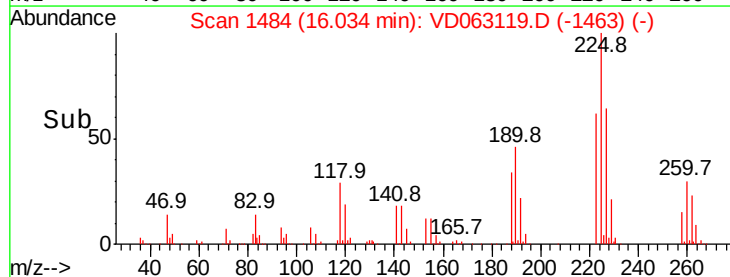
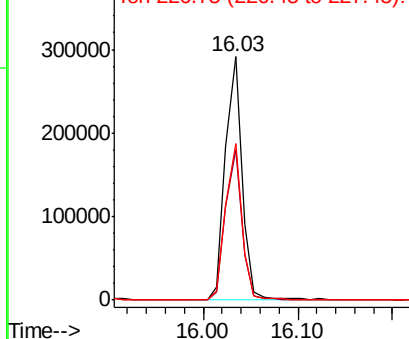
Lab File: VD063119.D

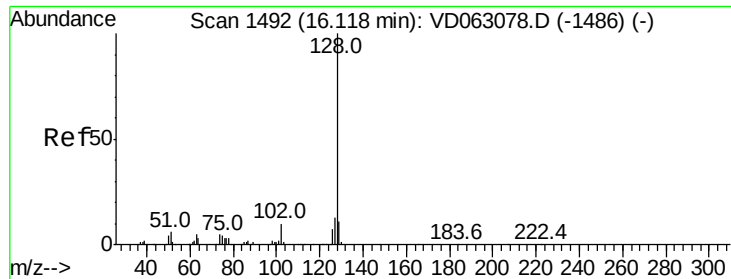
Acq: 16 Jul 2019 21:04

Tgt Ion:	225	Resp:	358907
Ion Ratio	Lower	Upper	
225	100		
223	61.6	31.4	94.2
227	64.3	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





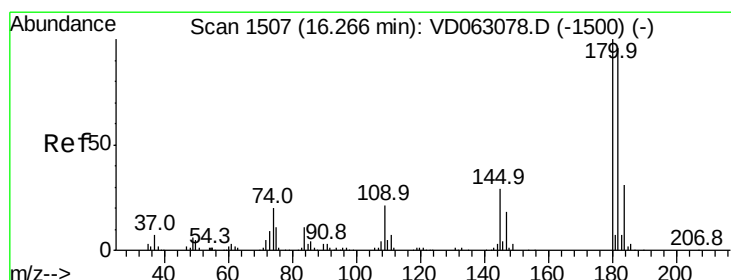
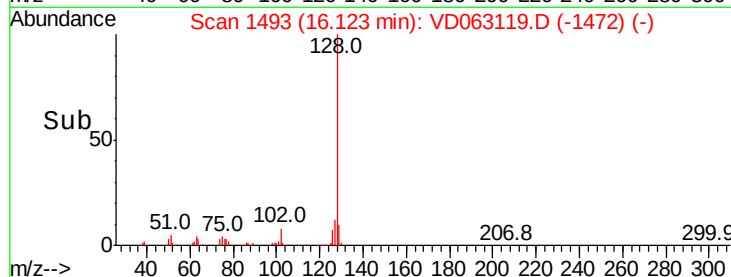
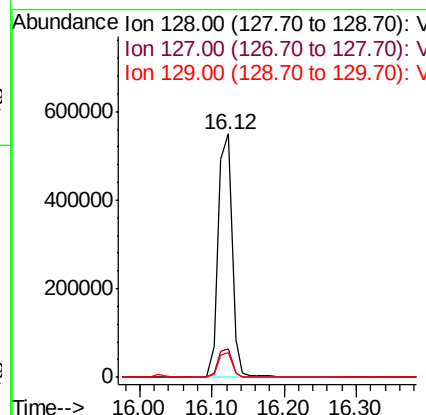
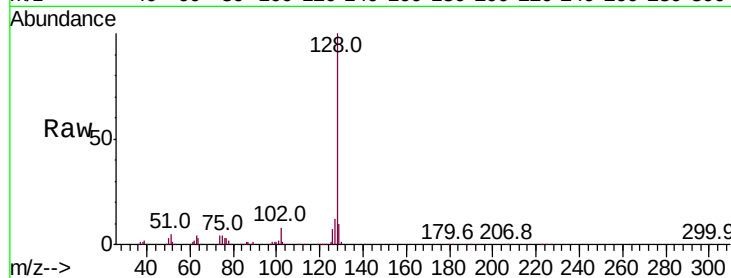
#95
Naphthalene
Concen: 48.292 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.7	16.1
129	10.1	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 40.842 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.6
145	32.8	14.4	43.4

