

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063075.D
 Acq On : 15 Jul 2019 10:14
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:14:56 AM

Quant Time: Jul 16 07:57:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:23:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	809817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1120970	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	906546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	490353	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	42437	4.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.38%	
35) Dibromofluoromethane	6.91	113	51132	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
50) Toluene-d8	10.39	98	109460	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
62) 4-Bromofluorobenzene	13.55	95	57340	6.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	66979	6.568	ug/l	95
3) Chloromethane	1.74	50	59540	7.640	ug/l	93
4) Vinyl Chloride	1.84	62	48051	6.229	ug/l	97
5) Bromomethane	2.14	94	27324	7.770	ug/l #	83
6) Chloroethane	2.26	64	23002	6.535	ug/l #	60
7) Trichlorofluoromethane	2.53	101	100940	6.350	ug/l	97
8) Diethyl Ether	2.87	74	12439	6.199	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	57647	6.748	ug/l	99
10) Methyl Iodide	3.29	142	59571	5.295	ug/l	99
11) Tert butyl alcohol	4.06	59	16648	38.490	ug/l #	62
12) 1,1-Dichloroethene	3.12	96	44104	6.919	ug/l	95
13) Acrolein	3.02	56	7099m	19.597	ug/l	
14) Allyl chloride	3.61	41	57129	5.947	ug/l #	90
15) Acrylonitrile	4.19	53	32788	33.408	ug/l	92
16) Acetone	3.22	43	59710	28.451	ug/l	98
17) Carbon Disulfide	3.36	76	125164	6.269	ug/l	99
18) Methyl Acetate	3.64	43	37828	13.813	ug/l #	80
19) Methyl tert-butyl Ether	4.23	73	93006	6.522	ug/l	95
20) Methylene Chloride	3.80	84	50377	7.226	ug/l #	85
21) trans-1,2-Dichloroethene	4.20	96	44481	6.523	ug/l	89
22) Diisopropyl ether	5.11	45	119756	6.007	ug/l	95
23) Vinyl Acetate	5.04	43	279194	22.482	ug/l	99
24) 1,1-Dichloroethane	4.96	63	74468	5.820	ug/l #	95
25) 2-Butanone	6.06	43	59149	33.905	ug/l	99
26) 2,2-Dichloropropane	6.01	77	88643	6.510	ug/l	85
27) cis-1,2-Dichloroethene	6.02	96	48777	6.588	ug/l	88
28) Bromochloromethane	6.43	49	27118	5.931	ug/l	88
29) Tetrahydrofuran	6.45	42	27127	33.075	ug/l	95
30) Chloroform	6.65	83	97888	6.302	ug/l	98
31) Cyclohexane	6.94	56	55667	6.729	ug/l	96
32) 1,1,1-Trichloroethane	6.85	97	97955	6.127	ug/l	94
36) 1,1-Dichloropropene	7.13	75	67154	6.321	ug/l #	87
37) Ethyl Acetate	6.17	43	23647	4.747	ug/l #	88
38) Carbon Tetrachloride	7.10	117	96695	6.016	ug/l	87

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	61392	6.628	ug/l	96
40) Benzene	7.44	78	135105	6.228	ug/l	93
41) Methacrylonitrile	6.44	41	37451	6.500	ug/l #	83
42) 1,2-Dichloroethane	7.57	62	69144	5.914	ug/l	94
43) Isopropyl Acetate	9.22	43	38931	6.708	ug/l #	94
44) Trichloroethene	8.53	130	51472	6.140	ug/l	90
45) 1,2-Dichloropropane	8.93	63	34261	6.366	ug/l	99
46) Dibromomethane	9.05	93	28631	6.147	ug/l #	93
47) Bromodichloromethane	9.36	83	74090	6.199	ug/l	89
48) Methyl methacrylate	9.11	41	28888	7.055	ug/l	91
49) 1,4-Dioxane	9.06	88	4525	130.221	ug/l #	89
51) 4-Methyl-2-Pentanone	10.28	43	118212	28.663	ug/l	97
52) Toluene	10.49	92	92106	6.372	ug/l	89
53) t-1,3-Dichloropropene	10.90	75	61280	6.133	ug/l	93
54) cis-1,3-Dichloropropene	10.03	75	66783	6.198	ug/l	88
55) 1,1,2-Trichloroethane	11.18	97	30043	5.939	ug/l #	87
56) Ethyl methacrylate	11.03	69	32968	6.087	ug/l	91
57) 1,3-Dichloropropane	11.40	76	50463	6.627	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.84	63	88918	30.726	ug/l	97
59) 2-Hexanone	11.52	43	95470	32.037	ug/l	92
60) Dibromochloromethane	11.67	129	58446	6.194	ug/l	96
61) 1,2-Dibromoethane	11.79	107	34994	5.908	ug/l	99
64) Tetrachloroethene	11.24	164	54866	7.304	ug/l #	83
65) Chlorobenzene	12.39	112	114352	6.636	ug/l	90
66) 1,1,1,2-Tetrachloroethane	12.51	131	47453	5.904	ug/l	97
67) Ethyl Benzene	12.52	91	202851	6.588	ug/l	93
68) m/p-Xylenes	12.66	106	148628	13.947	ug/l	91
69) o-Xylene	13.04	106	70417	7.168	ug/l	91
70) Styrene	13.06	104	117423	6.744	ug/l	97
71) Bromoform	13.23	173	34850	6.252	ug/l #	99
73) Isopropylbenzene	13.40	105	186703	5.819	ug/l	93
74) N-amyl acetate	13.26	43	50282	6.262	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	32911	6.058	ug/l	84
76) 1,2,3-Trichloropropane	13.73	75	36348	6.090	ug/l	80
77) Bromobenzene	13.66	156	53662	6.174	ug/l	75
78) n-propylbenzene	13.77	91	224328	5.917	ug/l	94
79) 2-Chlorotoluene	13.83	91	143820	6.664	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	179061	6.593	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	10823	6.937	ug/l #	73
82) 4-Chlorotoluene	13.94	91	167256	6.449	ug/l	90
83) tert-Butylbenzene	14.18	119	196456	6.447	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	165330	5.981	ug/l	99
85) sec-Butylbenzene	14.36	105	216787	6.567	ug/l	96
86) p-Isopropyltoluene	14.49	119	200881	6.746	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	96483	6.206	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	99341	6.386	ug/l	96
89) n-Butylbenzene	14.79	91	180992	6.406	ug/l	98
90) Hexachloroethane	15.00	117	50462	6.237	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	89734	6.645	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	6436	6.149	ug/l	80

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Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

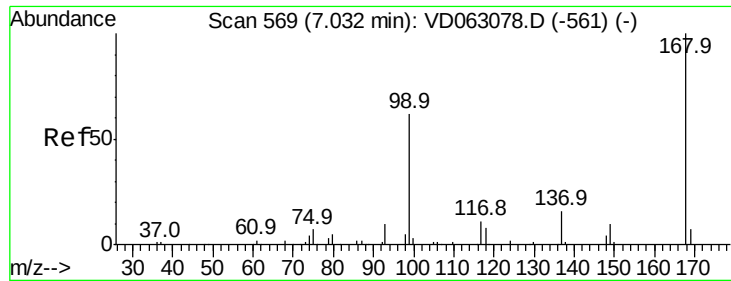
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Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:23:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	66670	6.290	ug/l	97
94) Hexachlorobutadiene	16.03	225	46593	5.813	ug/l	91
95) Naphthalene	16.11	128	89336	6.087	ug/l #	94
96) 1,2,3-Trichlorobenzene	16.26	180	53866	6.552	ug/l	88

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 809817

Ion Ratio Lower Upper

168 100

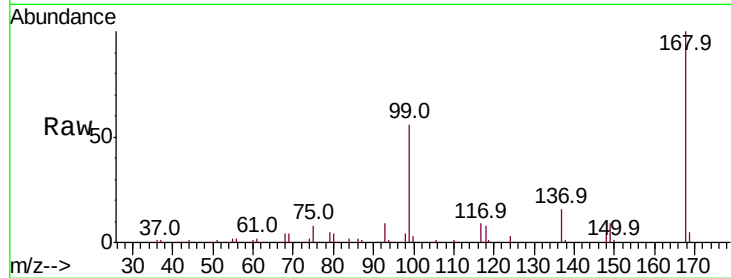
99 55.9 50.8 76.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

150000

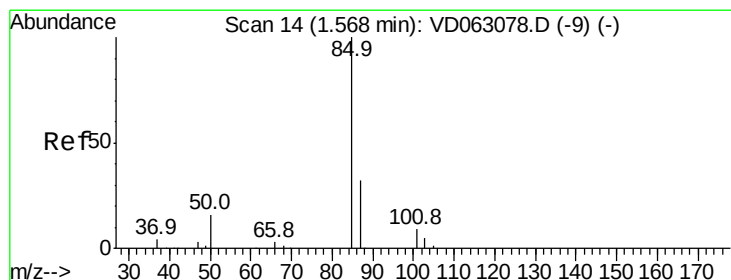
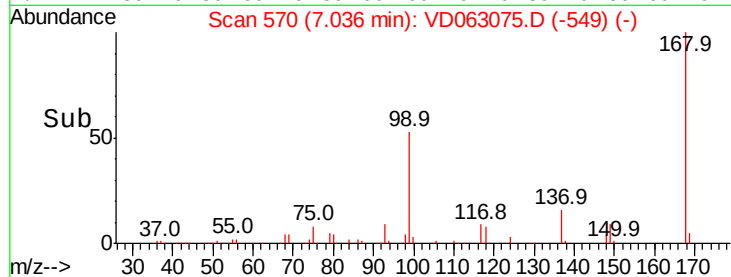
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50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 6.568 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD063075.D

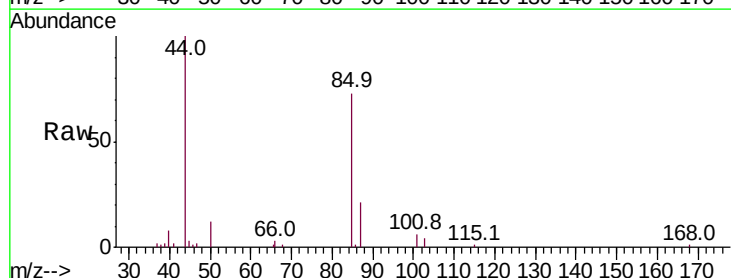
Acq: 15 Jul 2019 10:14

Tgt Ion: 85 Resp: 66979

Ion Ratio Lower Upper

85 100

87 29.1 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

30000

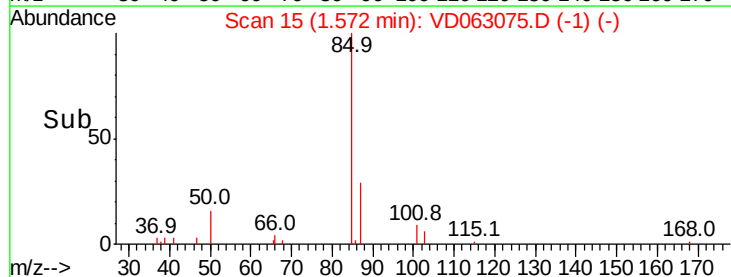
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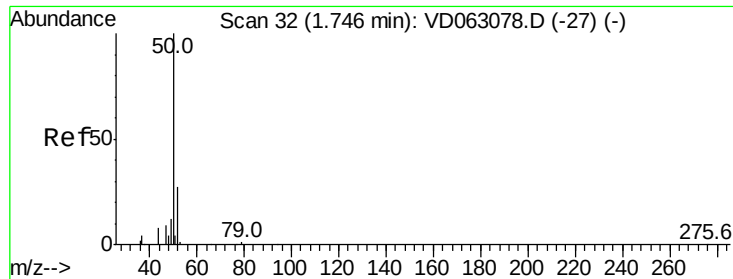
10000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 7.640 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 59540

Ion Ratio Lower Upper

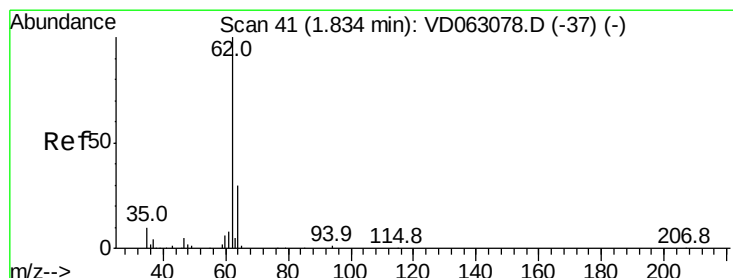
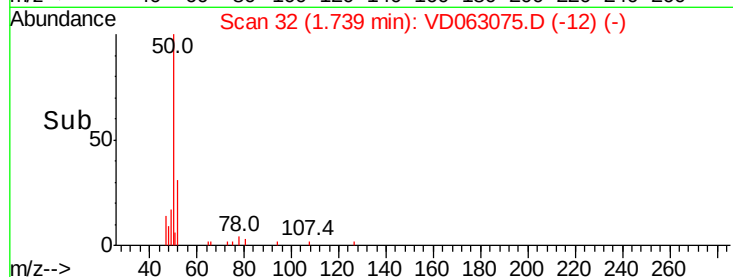
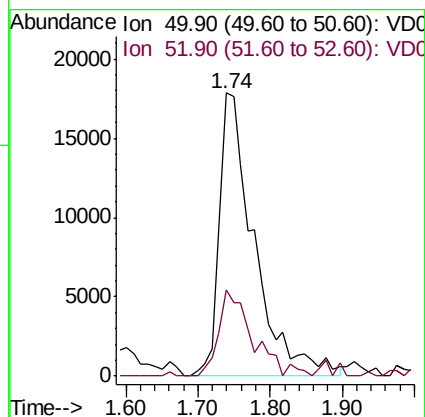
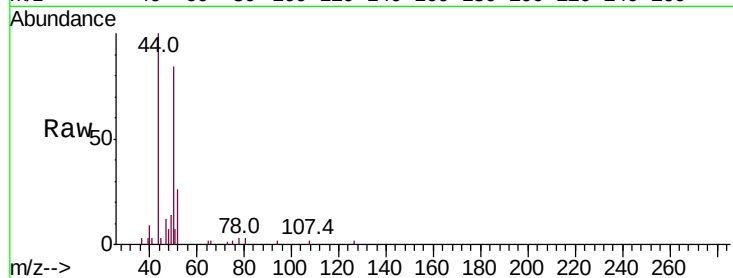
50 100

52 30.3 21.4 32.2

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#4

Vinyl Chloride

Concen: 6.229 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063075.D

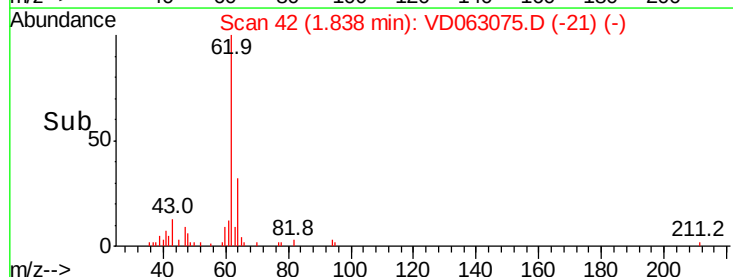
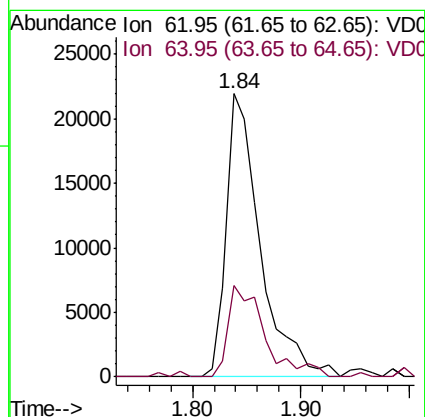
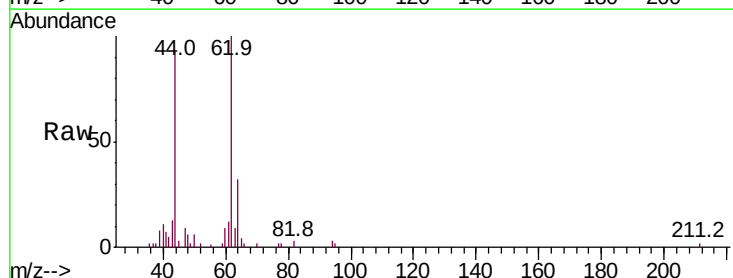
Acq: 15 Jul 2019 10:14

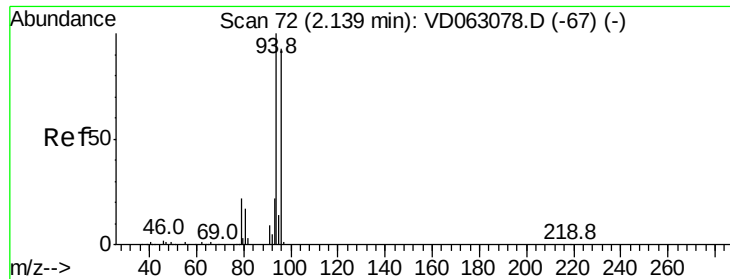
Tgt Ion: 62 Resp: 48051

Ion Ratio Lower Upper

62 100

64 32.3 24.4 36.6





#5

Bromomethane

Concen: 7.770 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

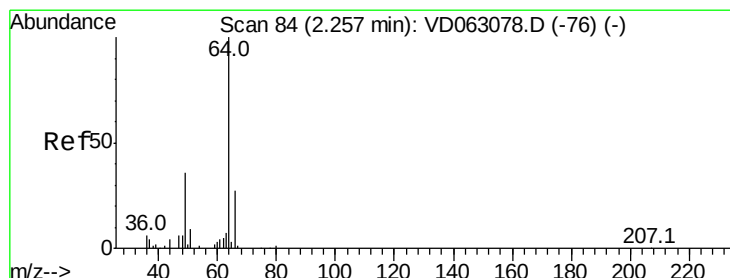
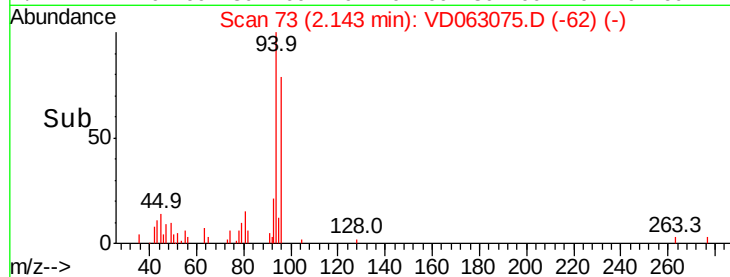
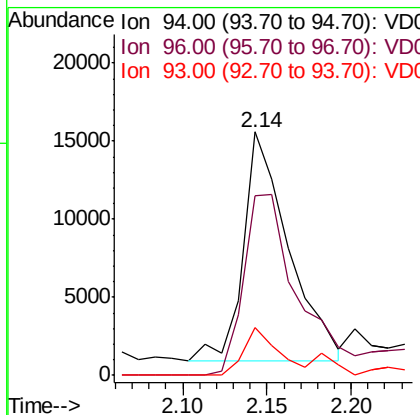
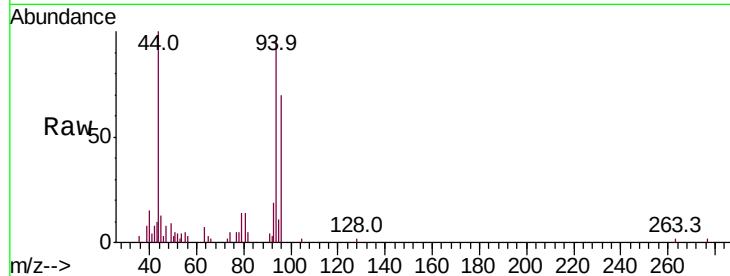
ClientSampleId :

VSTDIC005

Tot Ion:	94	Resp:	27324
Ion	Ratio	Lower	Upper
94	100		
96	73.7	74.2	111.2#
93	19.7	17.8	26.6

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#6

Chloroethane

Concen: 6.535 ug/l

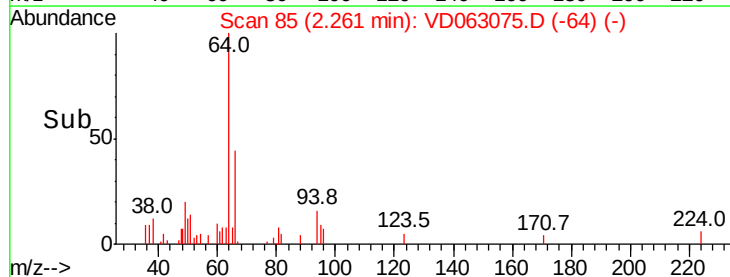
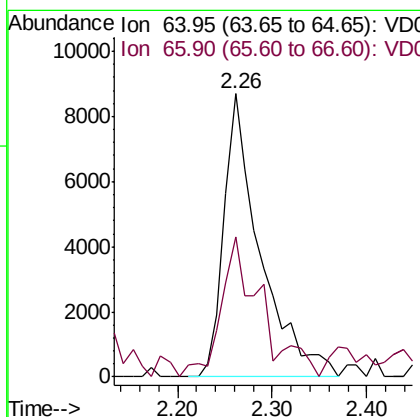
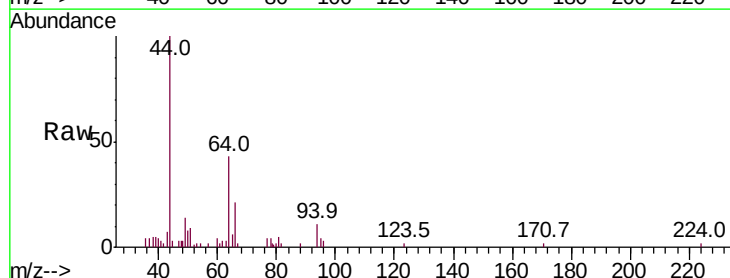
RT: 2.26 min Scan# 85

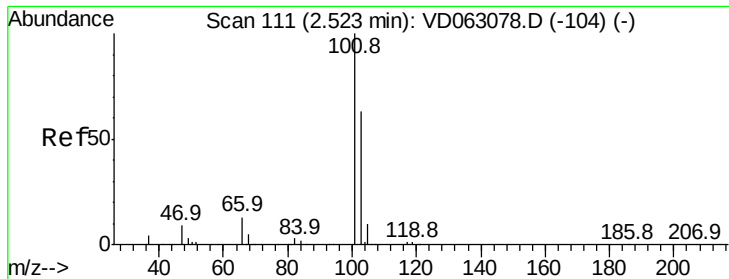
Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Tgt Ion:	64	Resp:	23002
Ion	Ratio	Lower	Upper
64	100		
66	49.3	22.5	33.7#





#7

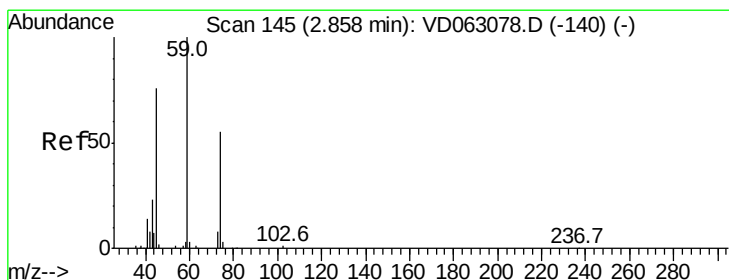
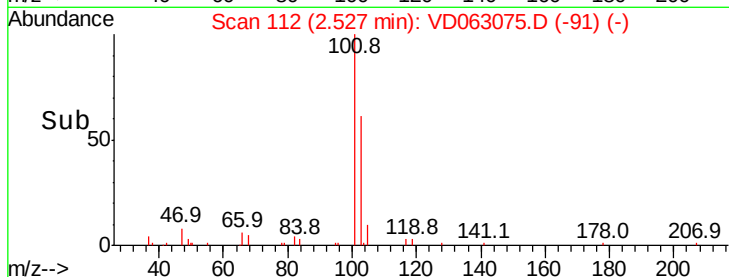
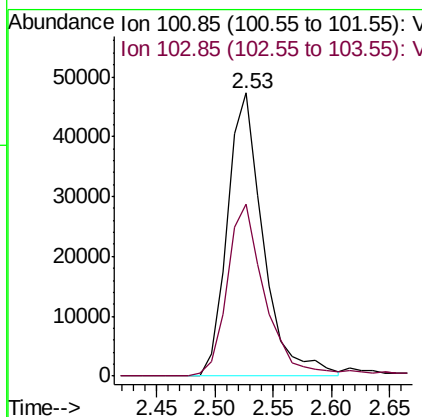
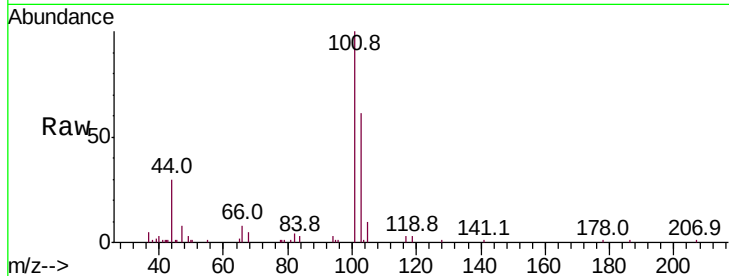
Trichlorofluoromethane
 Concen: 6.350 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

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 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.6	50.6	76.0

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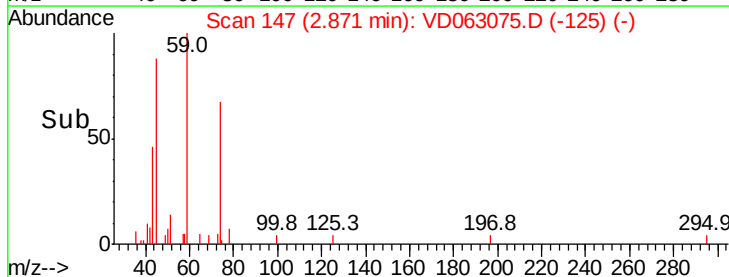
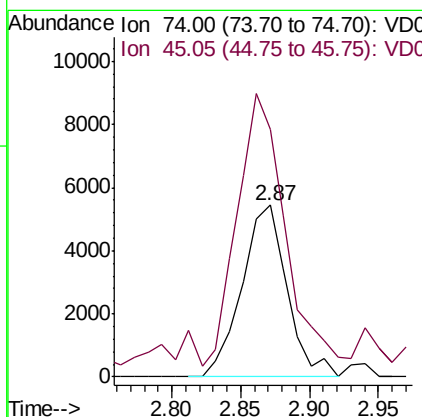
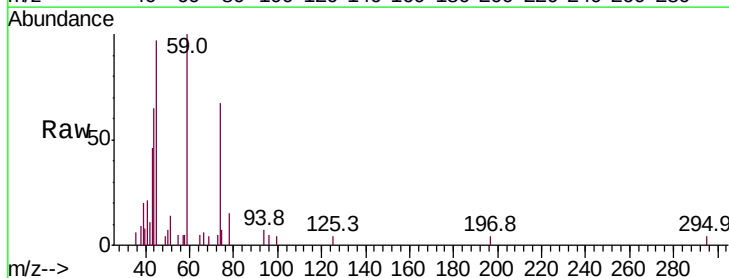
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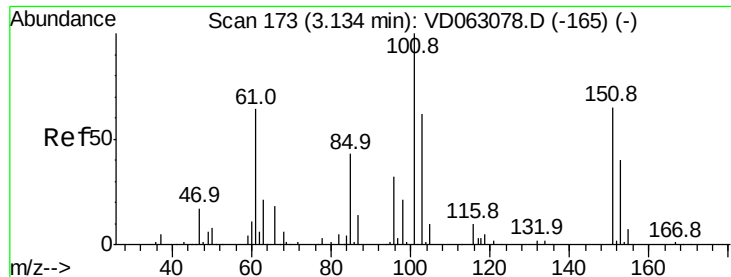


#8

Diethyl Ether
 Concen: 6.199 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	144.3	69.5	208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.748 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

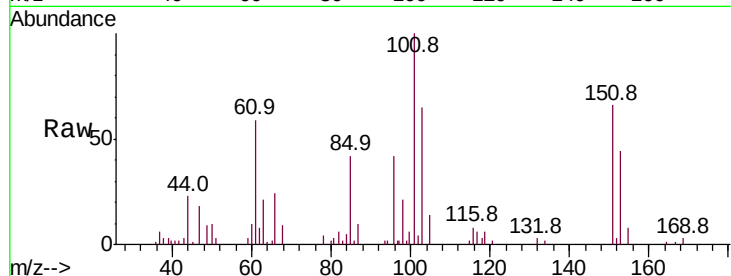
ClientSampleId :

VSTDIC005

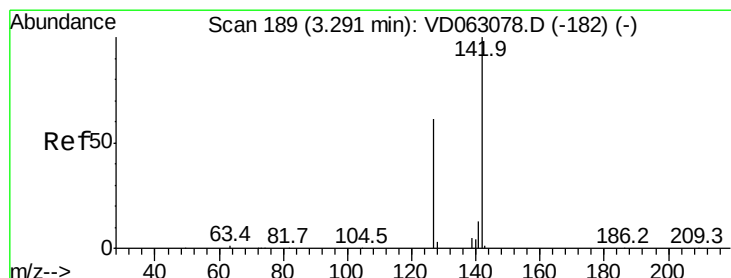
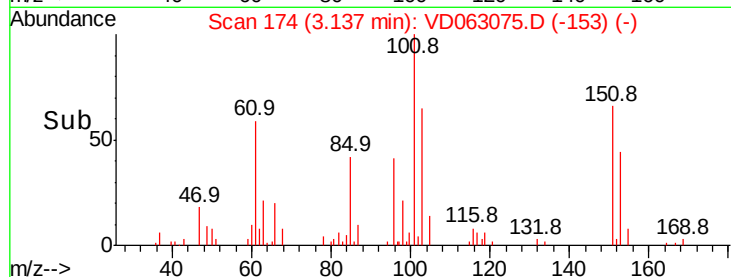
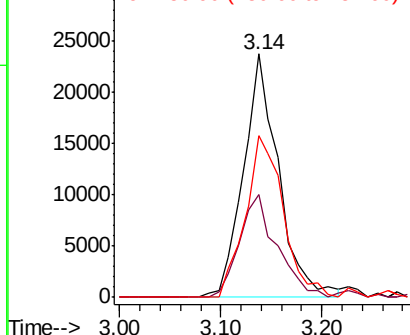
Tot Ion:	101	Resp:	57647
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.6	51.8
151	66.4	52.4	78.6

Manual Integrations
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7/16/2019 9:14:56 AM



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: 5.295 ug/l

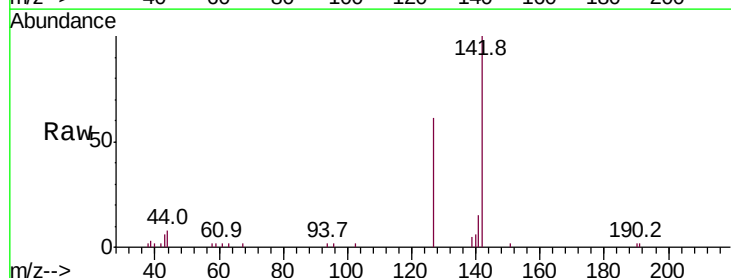
RT: 3.29 min Scan# 190

Delta R.T. 0.00 min

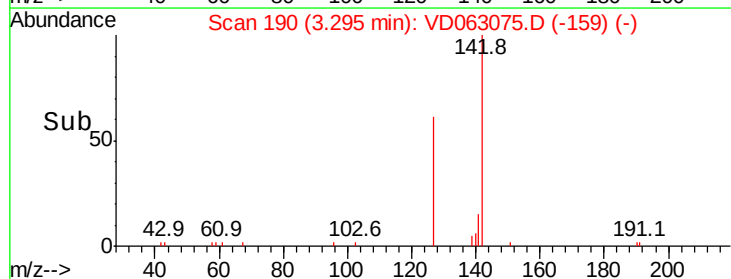
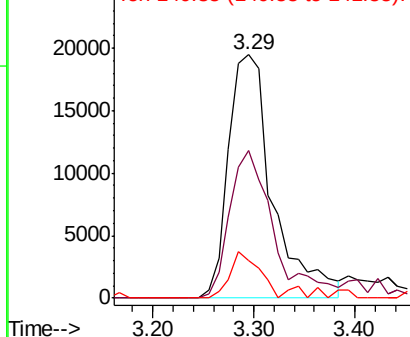
Lab File: VD063075.D

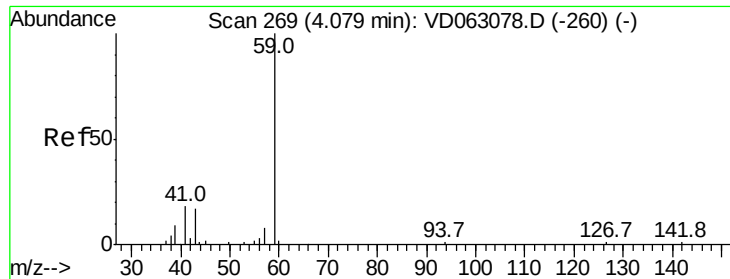
Acq: 15 Jul 2019 10:14

Tgt Ion:	142	Resp:	59571
Ion Ratio	Lower	Upper	
142	100		
127	60.7	48.6	73.0
141	15.3	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

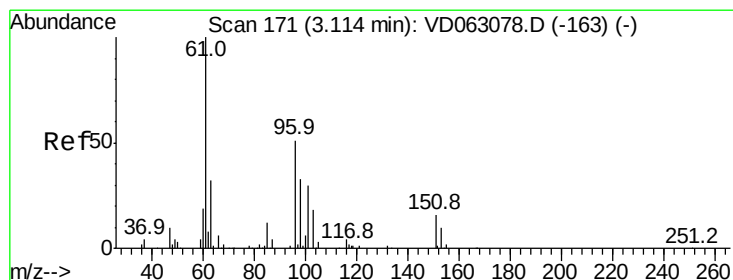
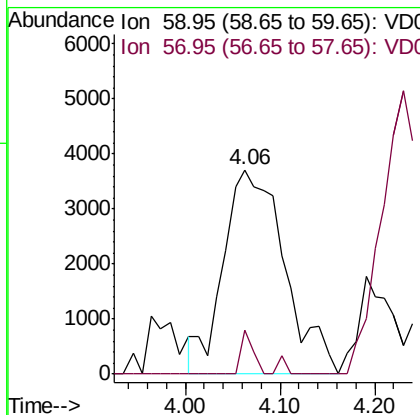
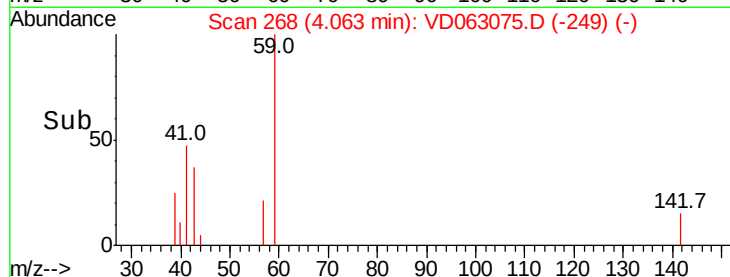
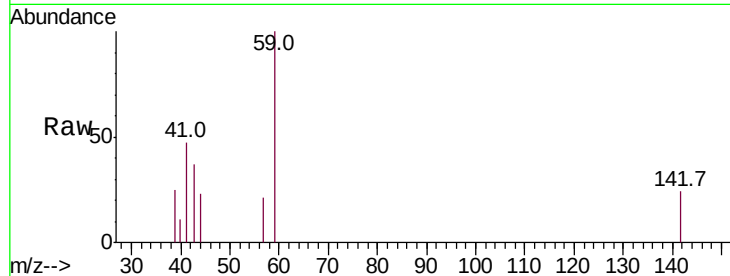
Tert butyl alcohol
Concen: 38.490 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.02 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 16648
Ion Ratio Lower Upper
59 100
57 21.4 6.4 9.6#

Manual Integrations
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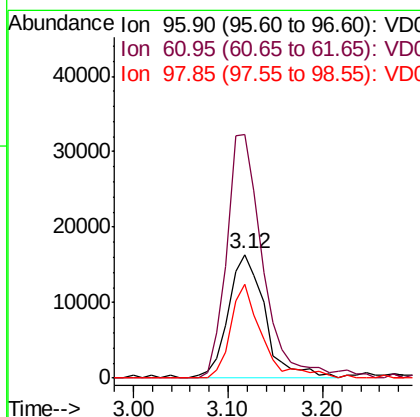
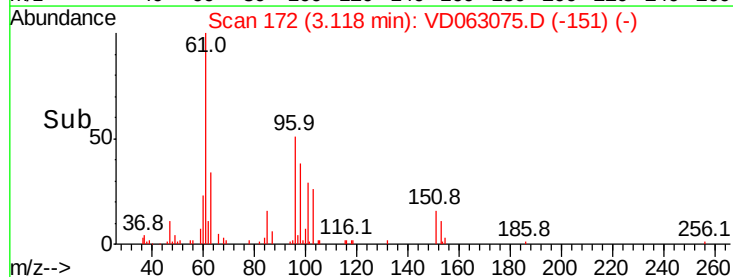
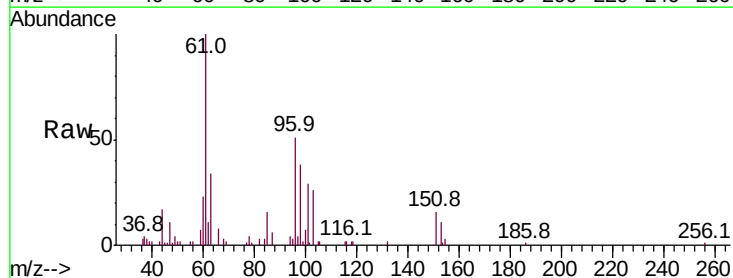
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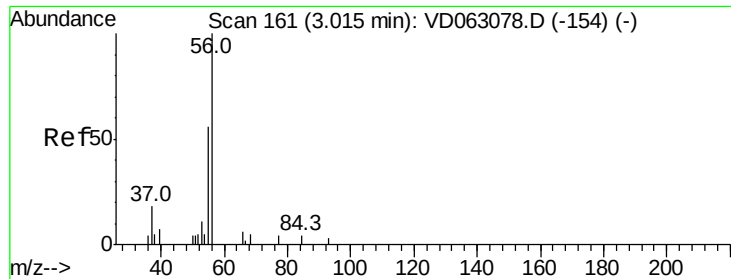


#12

1,1-Dichloroethene
Concen: 6.919 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 96 Resp: 44104
Ion Ratio Lower Upper
96 100
61 197.3 155.5 233.3
98 75.7 51.5 77.3





#13

Acrolein

Concen: 19.597 ug/l m

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7099

Ion Ratio Lower Upper

56 100

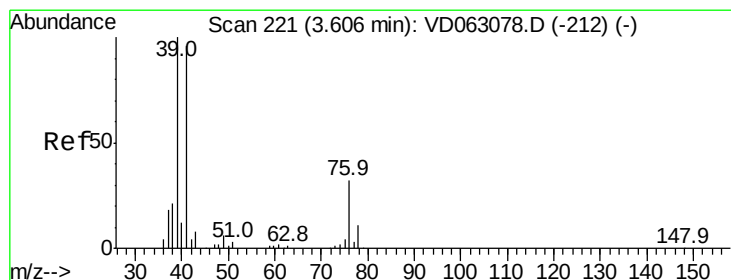
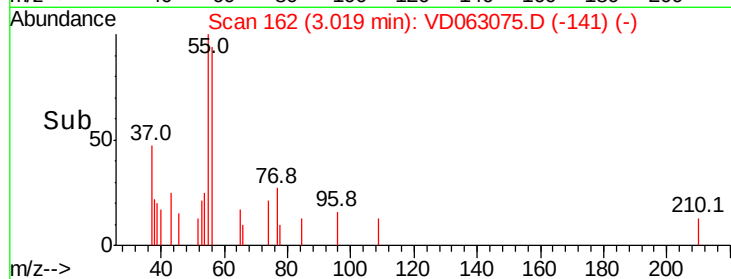
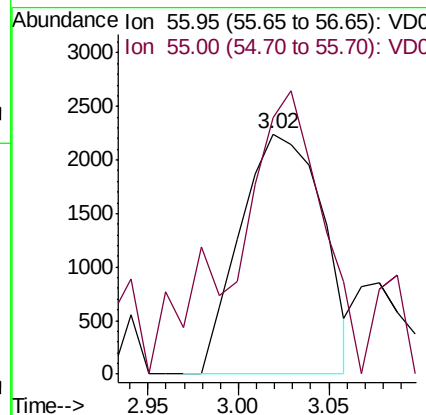
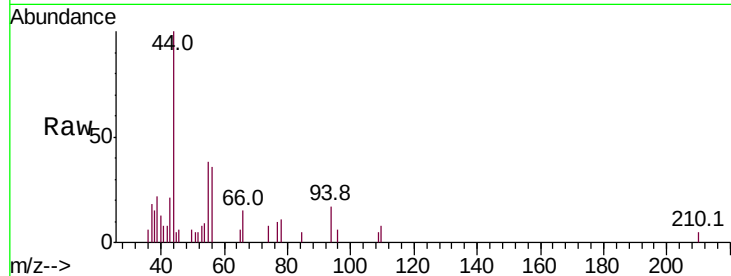
55 106.5 53.0 79.4#

Manual Integrations

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#14

Allyl chloride

Concen: 5.947 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

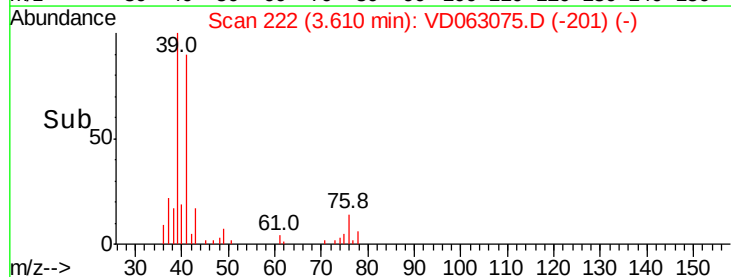
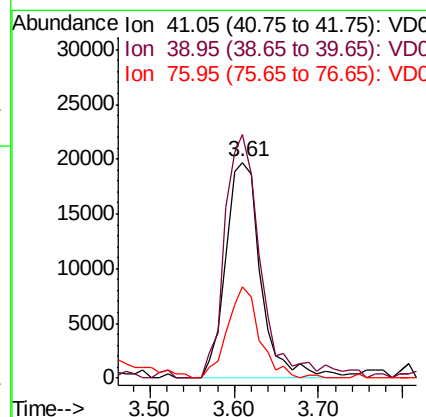
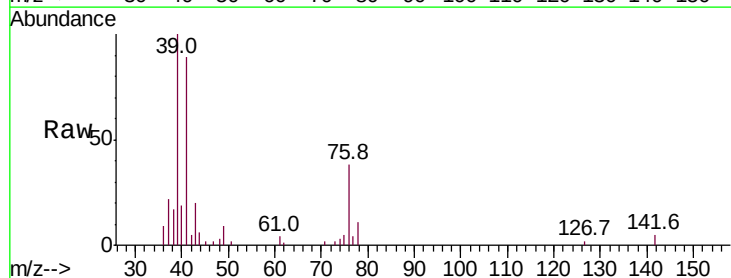
Tgt Ion: 41 Resp: 57129

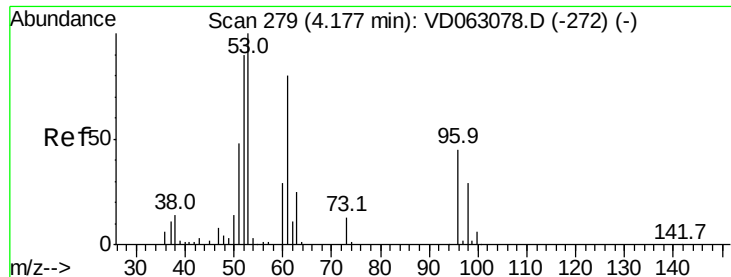
Ion Ratio Lower Upper

41 100

39 112.8 83.5 125.3

76 42.5 27.8 41.8#





#15

Acrylonitrile

Concen: 33.408 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 53 Resp: 32788

Ion Ratio Lower Upper

53 100

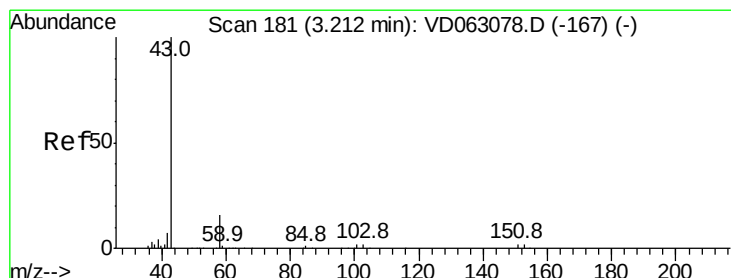
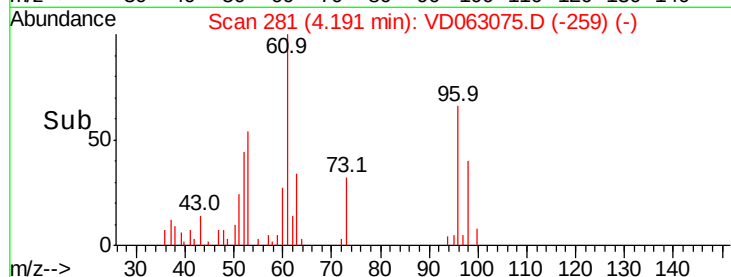
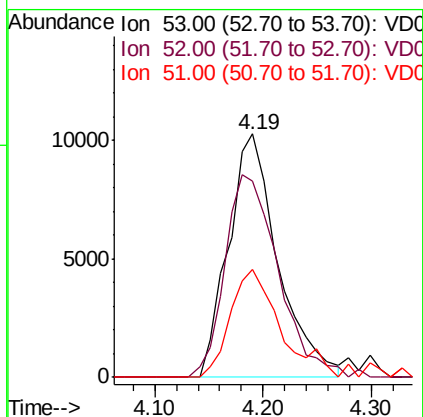
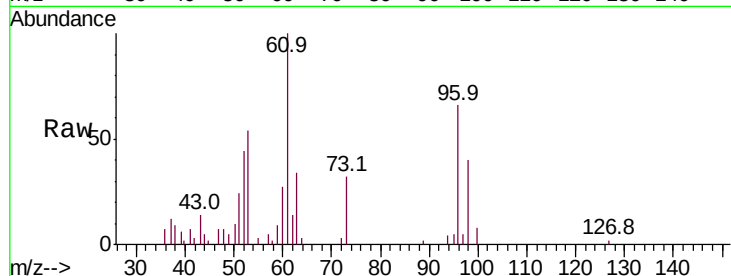
52 80.6 72.3 108.5

51 44.6 38.0 57.0

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#16

Acetone

Concen: 28.451 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063075.D

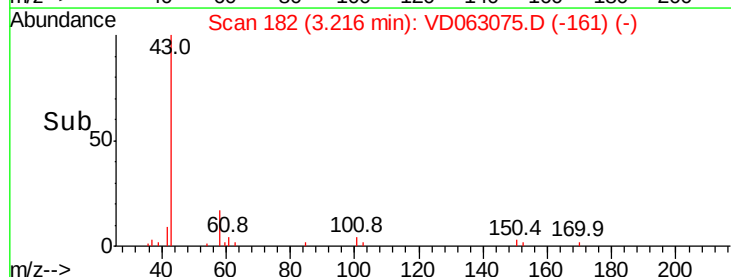
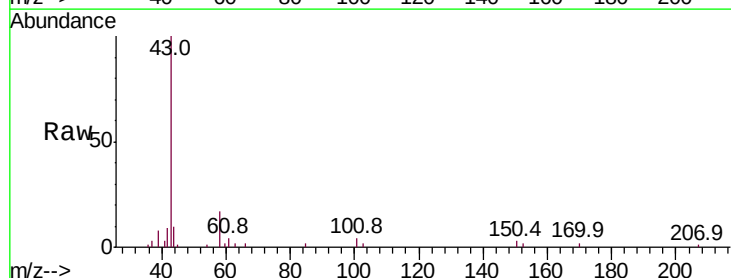
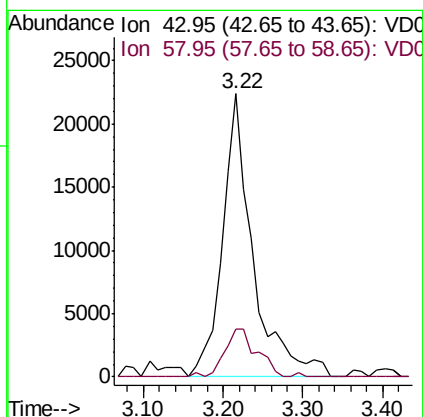
Acq: 15 Jul 2019 10:14

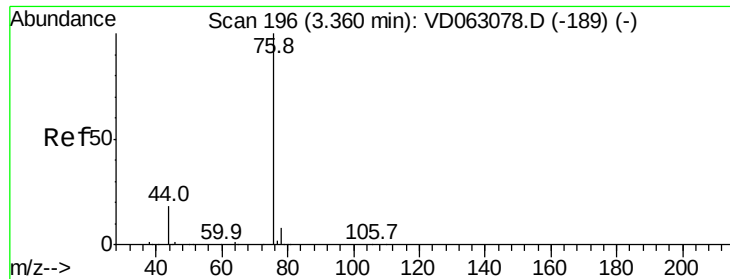
Tgt Ion: 43 Resp: 59710

Ion Ratio Lower Upper

43 100

58 16.9 13.0 19.4





#17

Carbon Disulfide

Concen: 6.269 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 125164

Ion Ratio Lower Upper

76 100

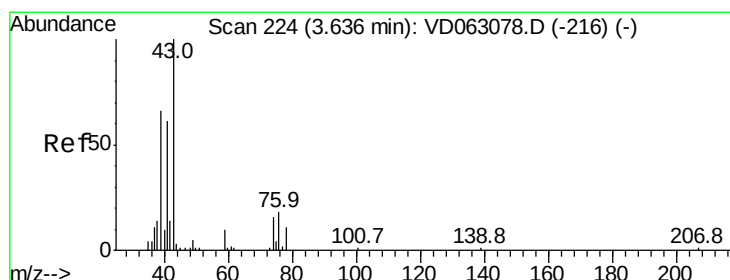
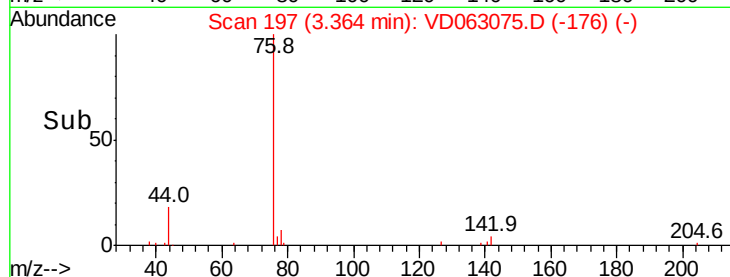
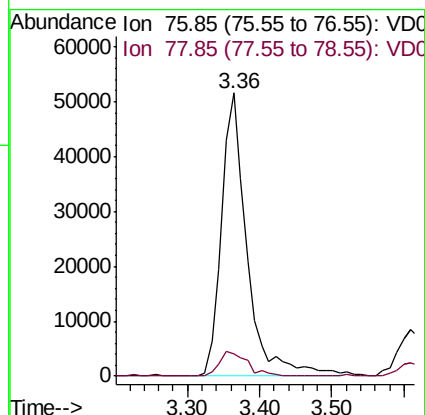
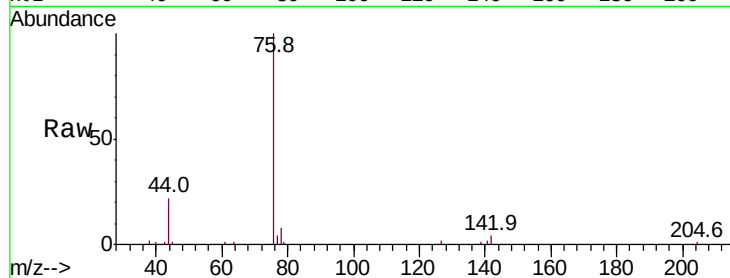
78 7.9 6.7 10.1

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#18

Methyl Acetate

Concen: 13.813 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD063075.D

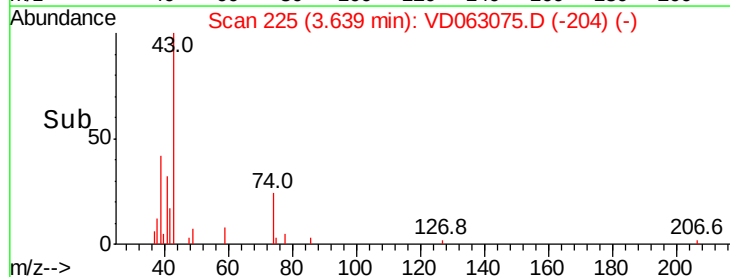
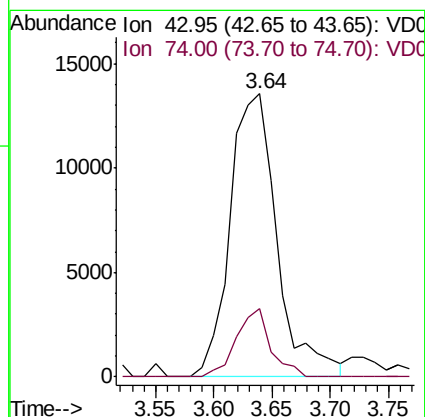
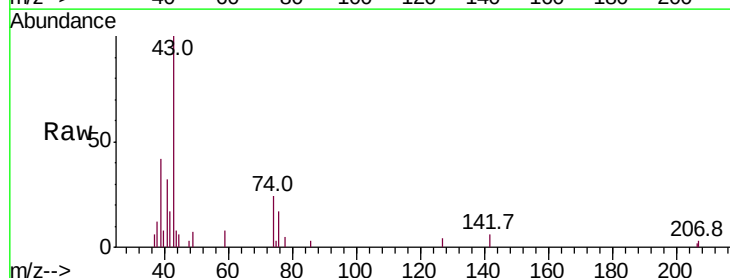
Acq: 15 Jul 2019 10:14

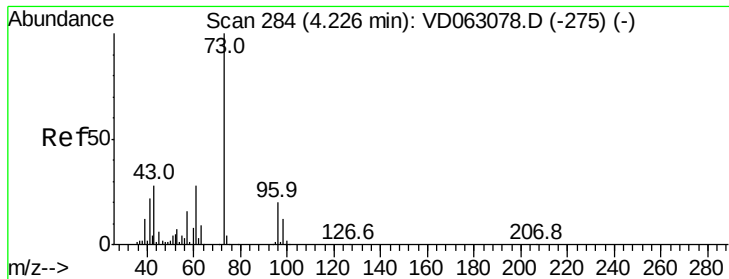
Tgt Ion: 43 Resp: 37828

Ion Ratio Lower Upper

43 100

74 24.2 12.5 18.7#





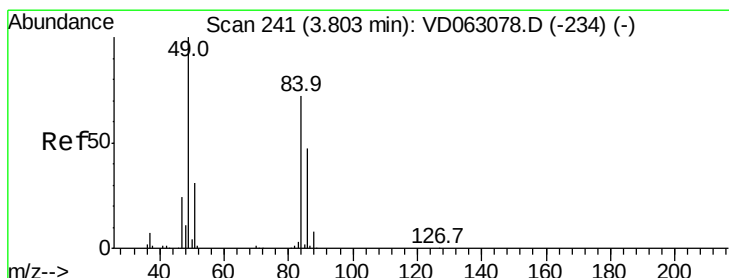
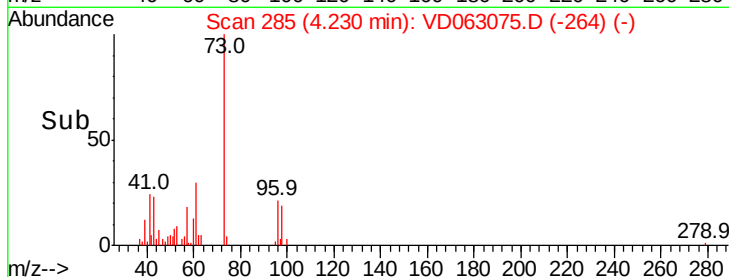
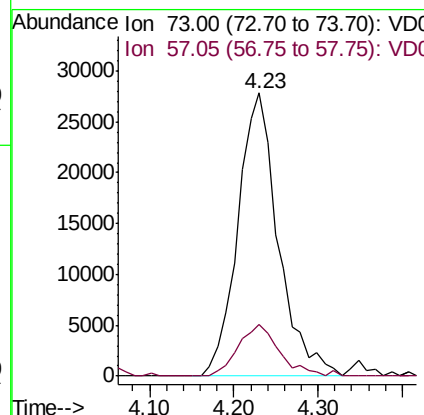
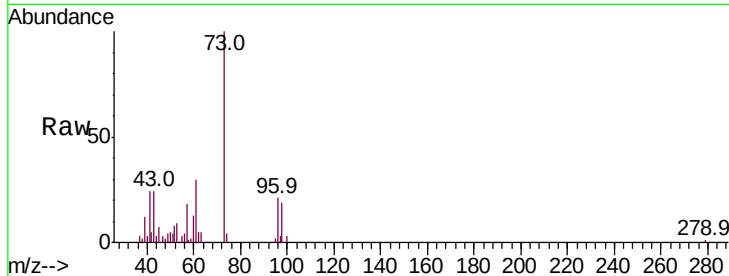
#19
Methyl tert-butyl Ether
Concen: 6.522 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 93006
Ion Ratio Lower Upper
73 100
57 18.5 13.1 19.7

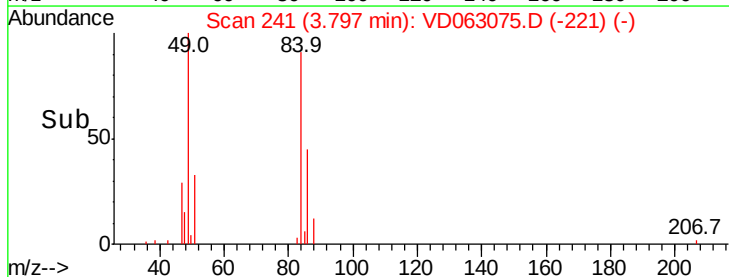
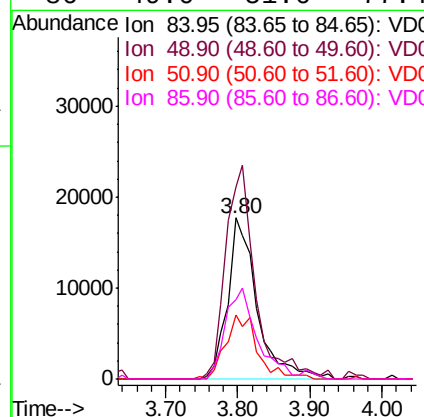
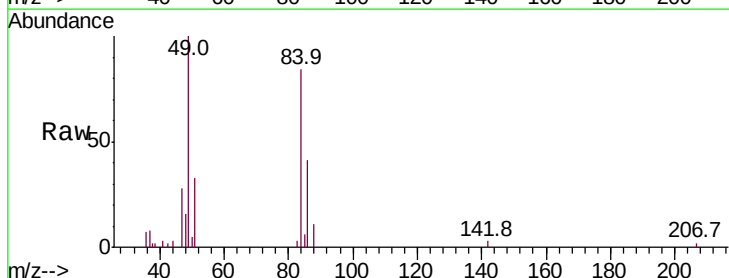
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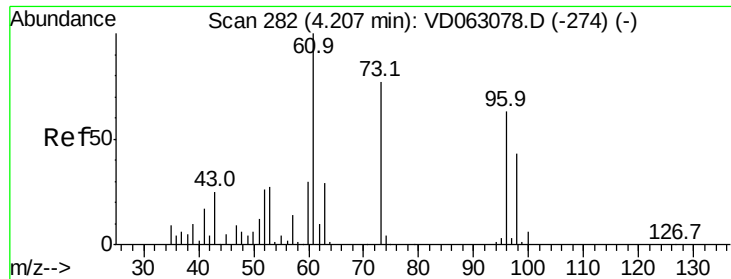
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#20
Methylene Chloride
Concen: 7.226 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 84 Resp: 50377
Ion Ratio Lower Upper
84 100
49 118.7 110.5 165.7
51 39.4 34.6 51.8
86 49.0 51.6 77.4#





#21

trans-1,2-Dichloroethene

Concen: 6.523 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 44481

Ion Ratio Lower Upper

96 100

61 142.1 128.0 192.0

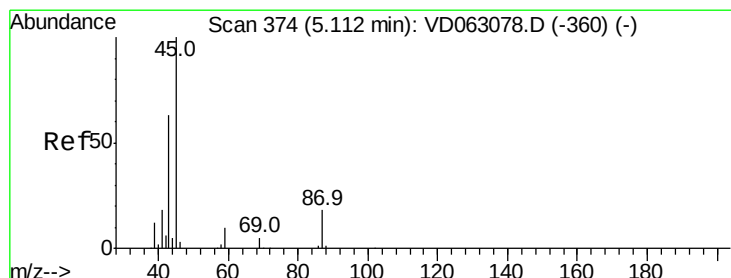
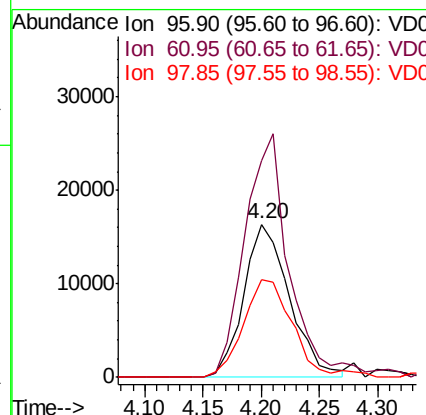
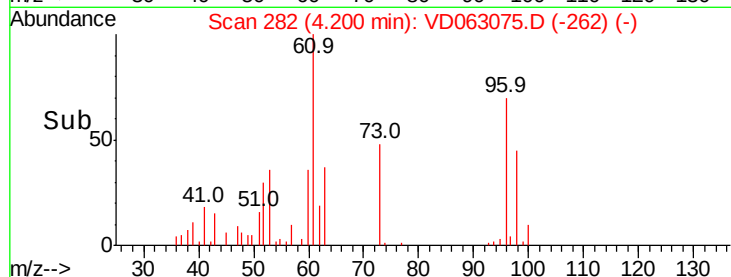
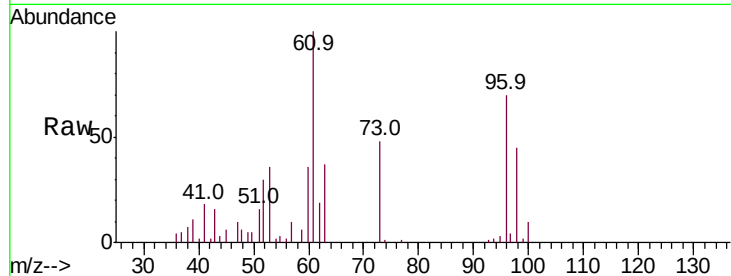
98 63.7 55.2 82.8

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#22

Diisopropyl ether

Concen: 6.007 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Tgt Ion: 45 Resp: 119756

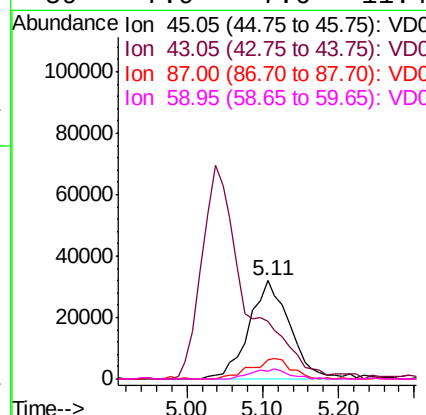
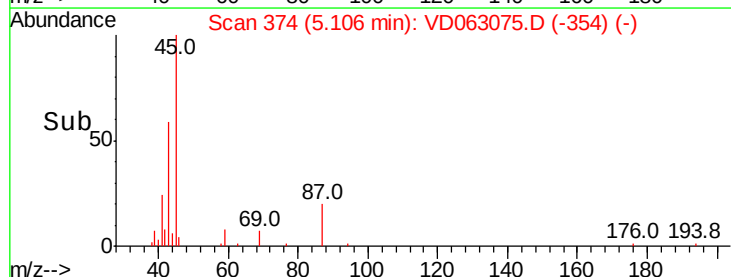
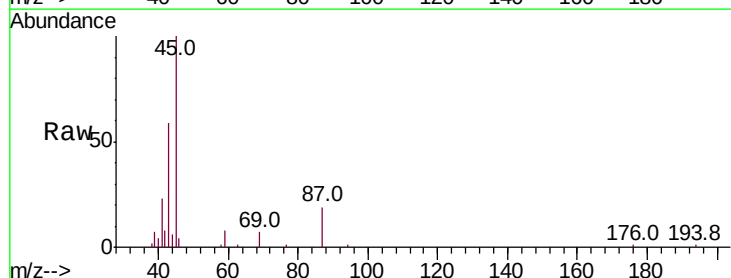
Ion Ratio Lower Upper

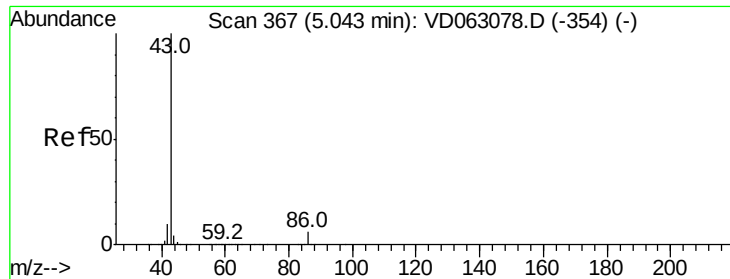
45 100

43 58.5 50.5 75.7

87 19.3 15.1 22.7

59 7.9 7.6 11.4





#23

Vinyl Acetate

Concen: 22.482 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 279194

Ion Ratio Lower Upper

43 100

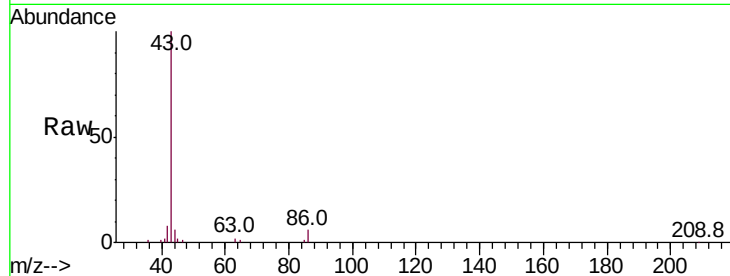
86 5.8 5.0 7.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

80000

60000

40000

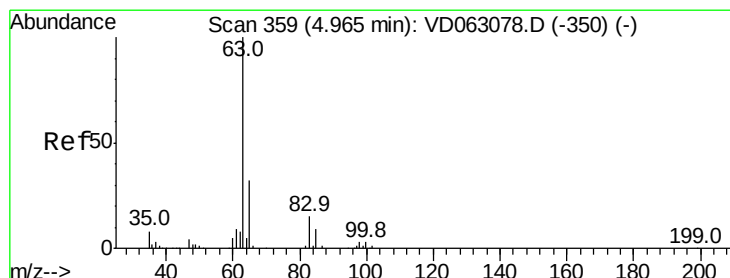
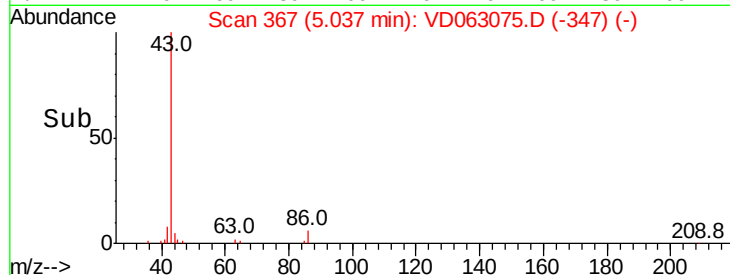
20000

0

Time-->

4.90 5.00 5.10 5.20

5.04



#24

1,1-Dichloroethane

Concen: 5.820 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

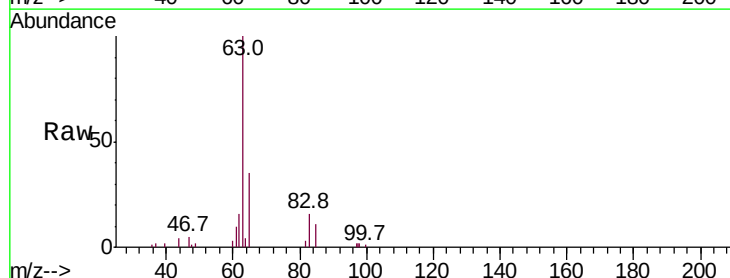
Tgt Ion: 63 Resp: 74468

Ion Ratio Lower Upper

63 100

98 1.6 1.7 5.1#

100 1.5 1.5 4.5#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

25000

20000

15000

10000

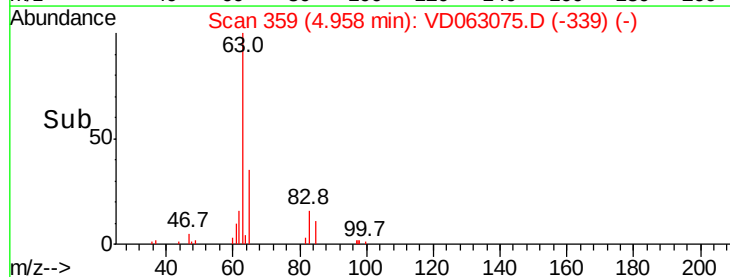
5000

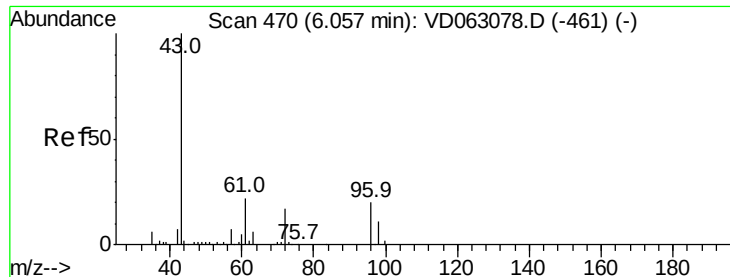
0

Time-->

4.90 5.00 5.10

4.96





#25

2-Butanone

Concen: 33.905 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 59149

Ion Ratio Lower Upper

43 100

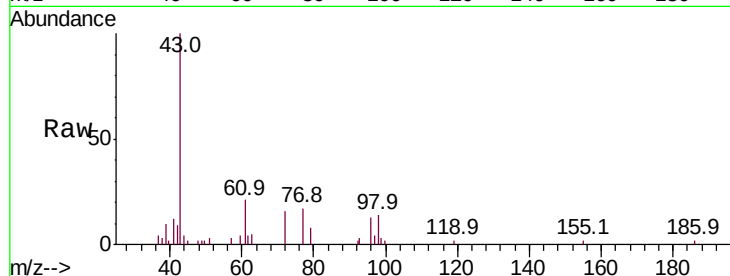
72 16.4 13.4 20.0

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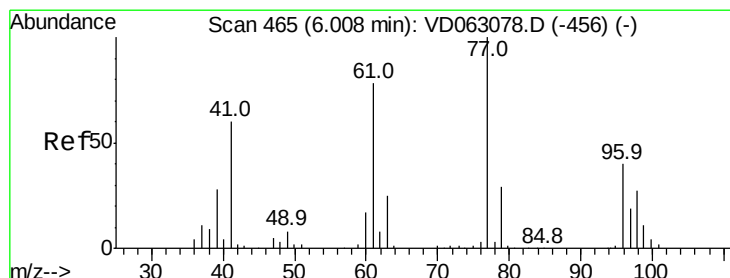
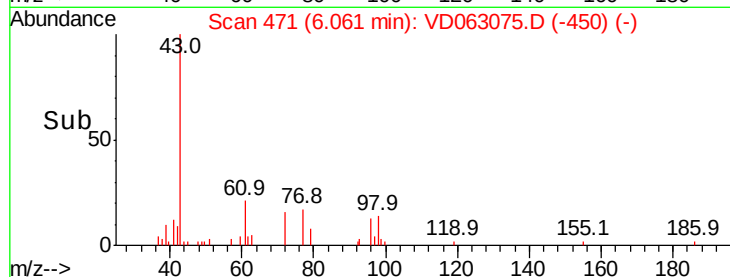
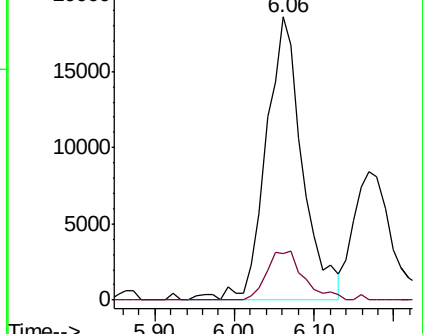
MMDadoda

7/16/2019 9:14:56 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 6.510 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063075.D

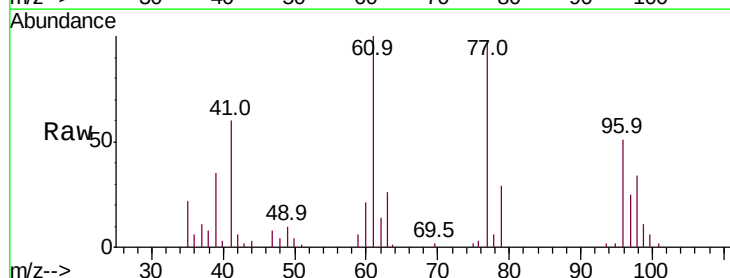
Acq: 15 Jul 2019 10:14

Tgt Ion: 77 Resp: 88643

Ion Ratio Lower Upper

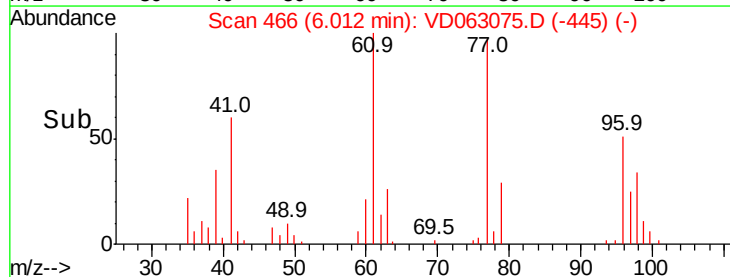
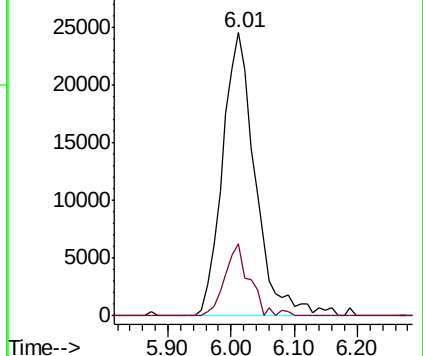
77 100

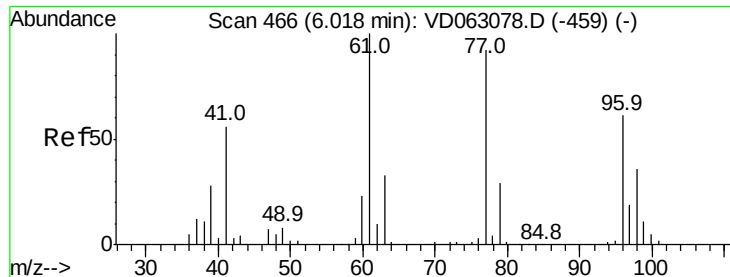
97 25.5 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

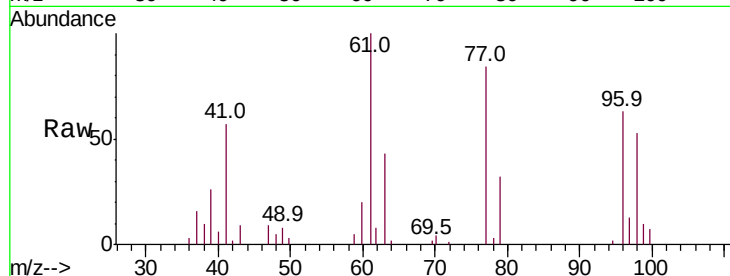
cis-1,2-Dichloroethene
Concen: 6.588 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

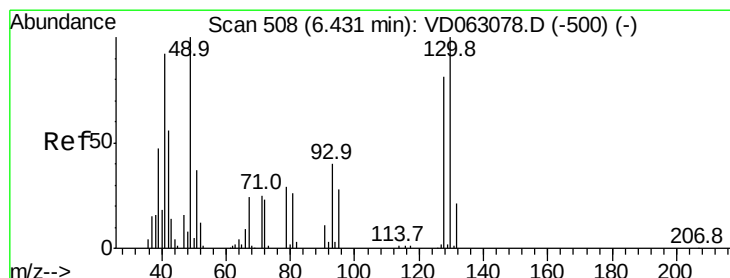
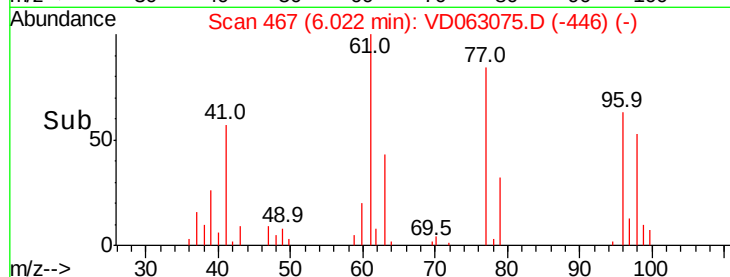
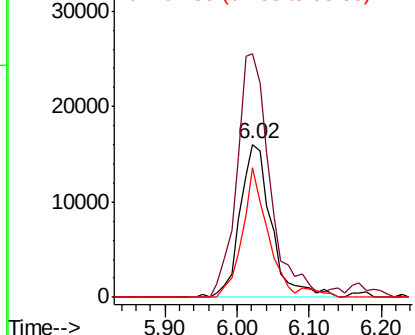
Tot Ion	Ratio	Lower	Upper
96	100		
61	159.2	0.0	329.6
98	85.1	0.0	118.4

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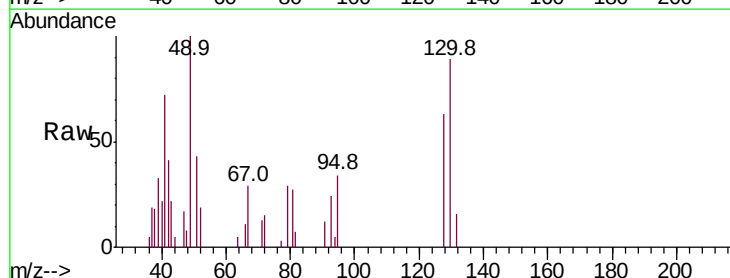
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



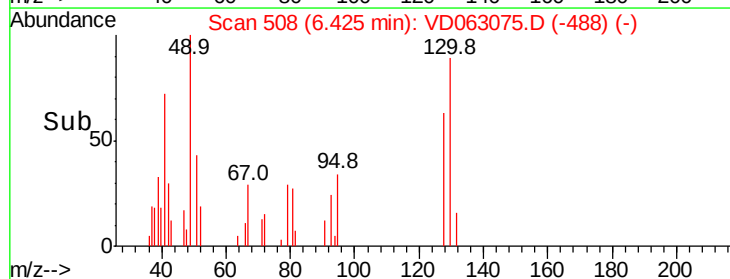
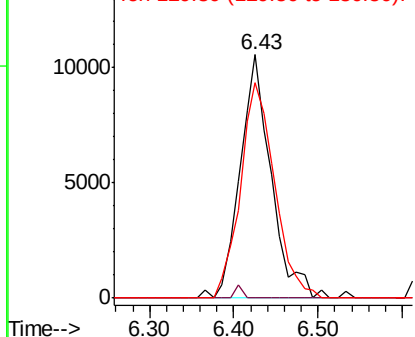
#28

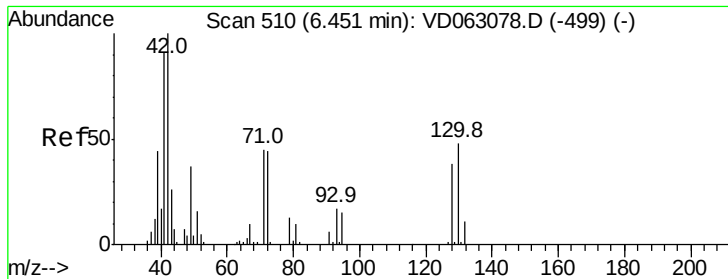
Bromochloromethane
Concen: 5.931 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	88.7	80.3	120.5



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 33.075 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 42 Resp: 27127

Ion Ratio Lower Upper

42 100

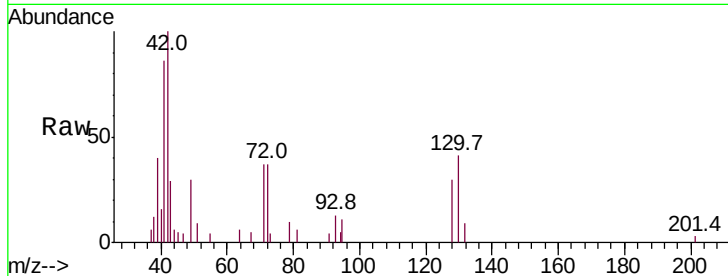
72 37.4 33.7 50.5

71 41.1 34.2 51.2

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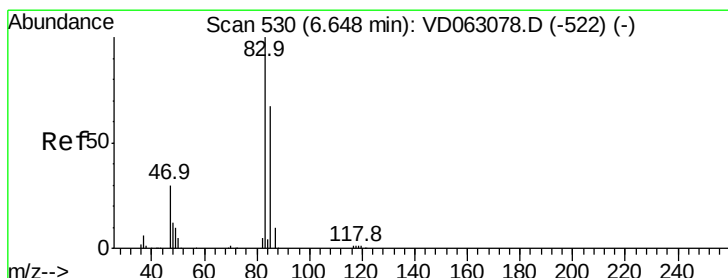
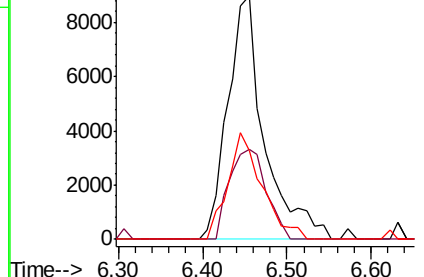
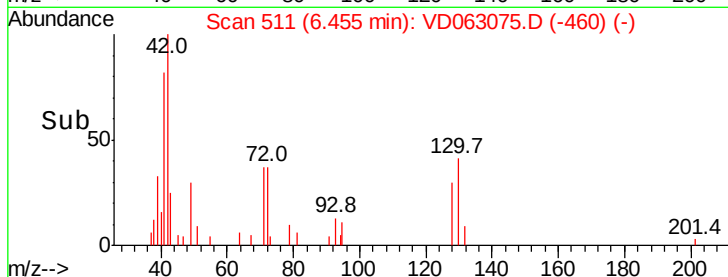


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

6.45



#30

Chloroform

Concen: 6.302 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063075.D

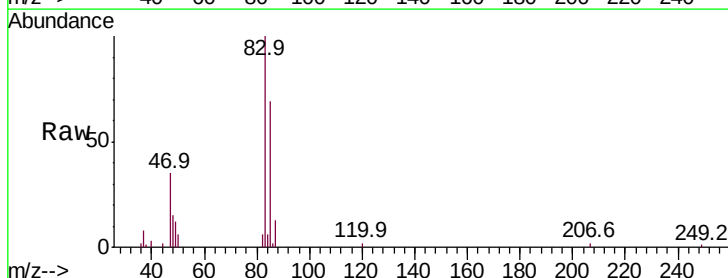
Acq: 15 Jul 2019 10:14

Tgt Ion: 83 Resp: 97888

Ion Ratio Lower Upper

83 100

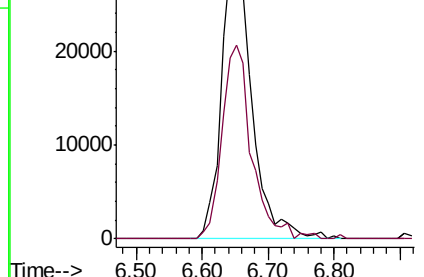
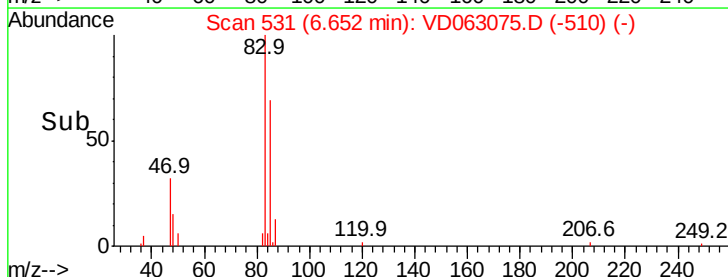
85 68.6 53.8 80.8

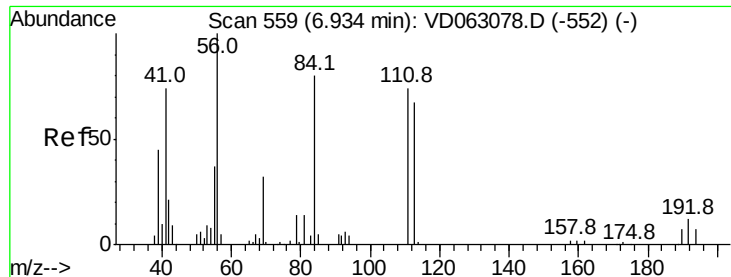


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

6.65





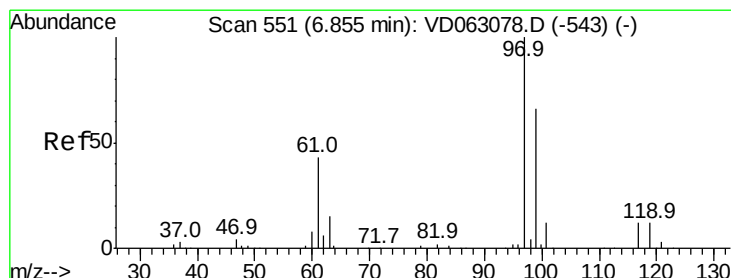
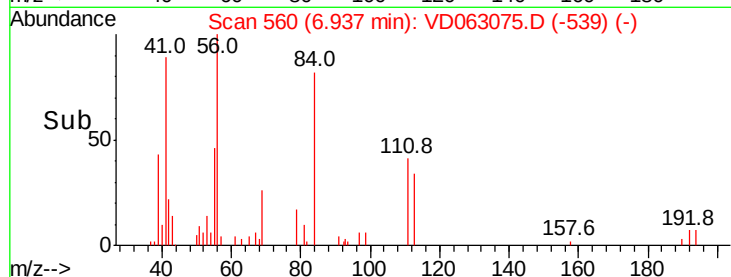
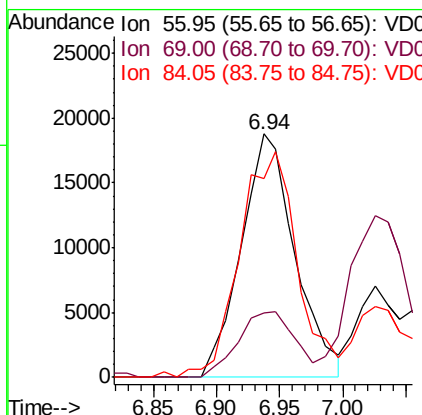
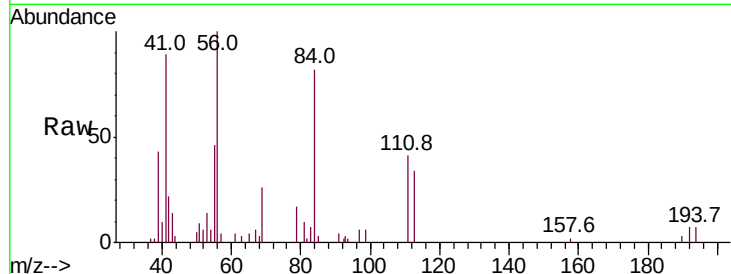
#31
Cyclohexane
Concen: 6.729 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.3	25.3	37.9
84	81.6	64.2	96.4

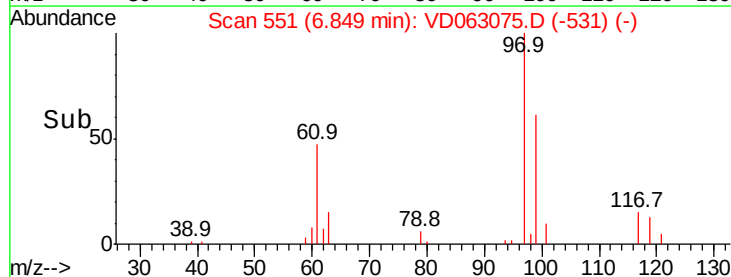
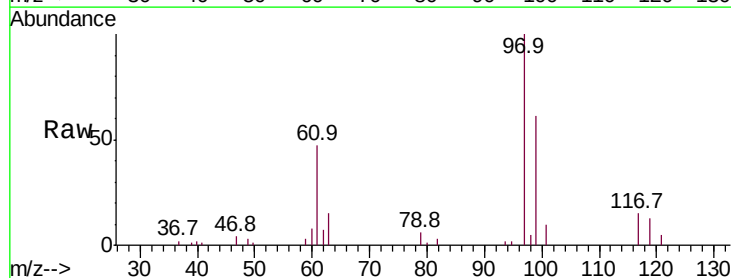
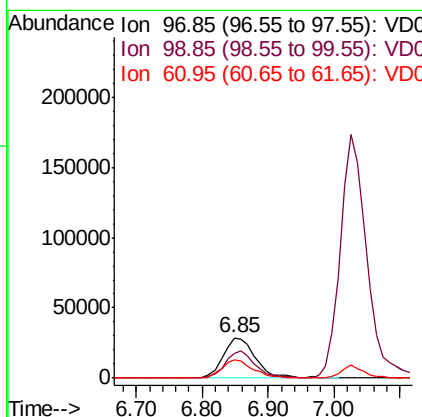
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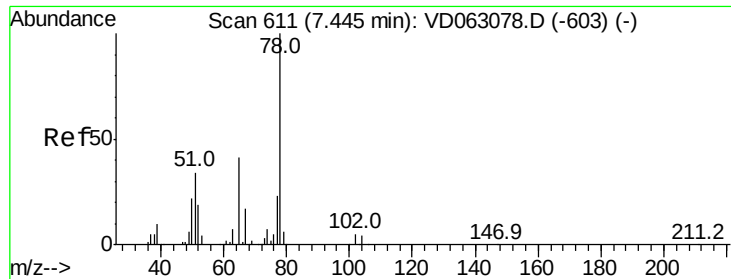
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 6.127 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.0	52.9	79.3
61	46.6	34.4	51.6





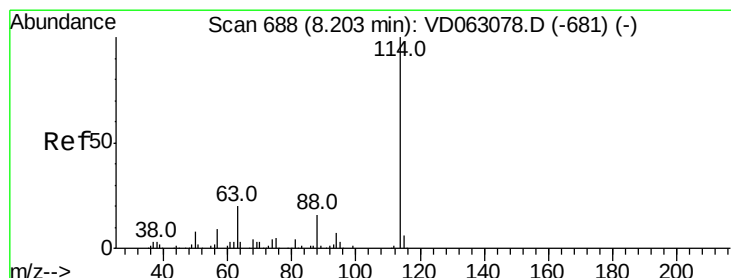
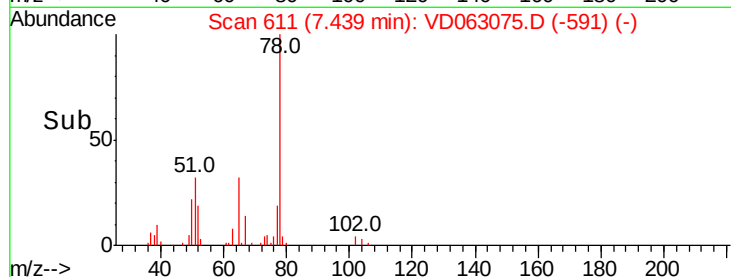
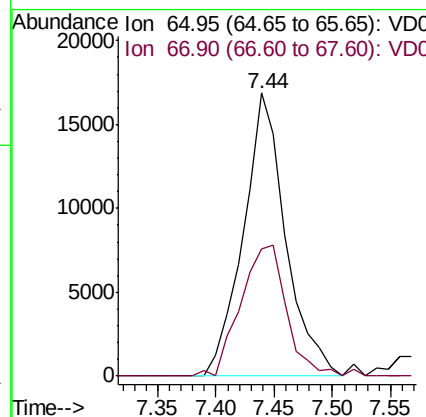
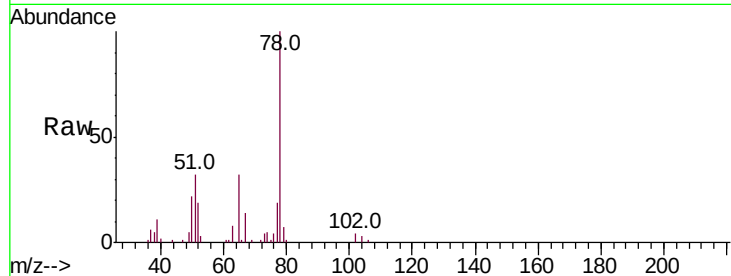
#33
 1,2-Dichloroethane-d4
 Concen: 4.689 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	44.8	0.0	86.0

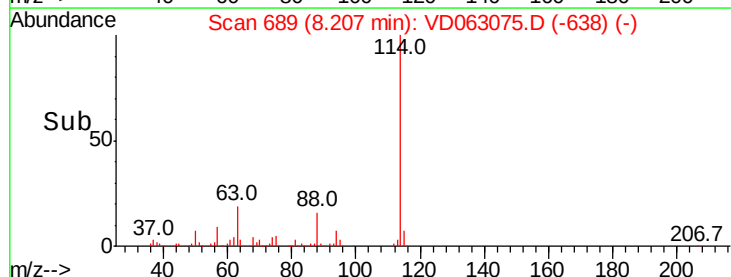
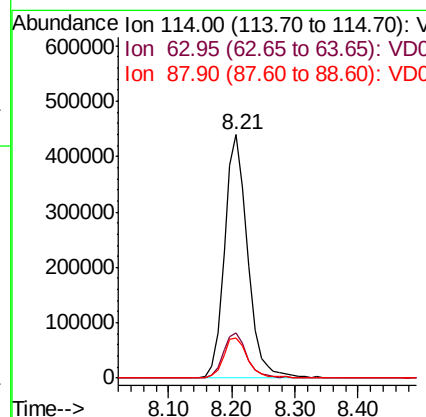
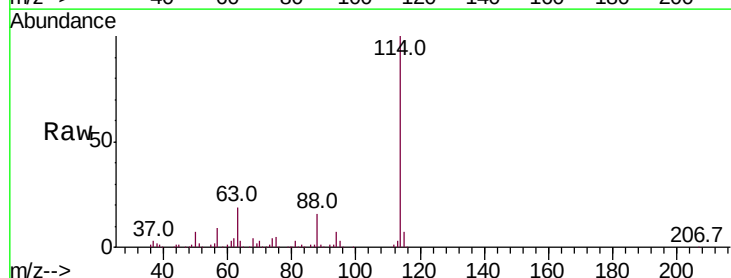
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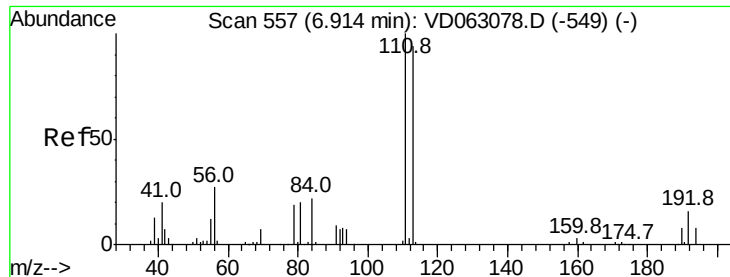
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 7/16/2019 9:14:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	40.6
88	16.2	0.0	32.6





#35

Dibromofluoromethane

Concen: 5.258 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

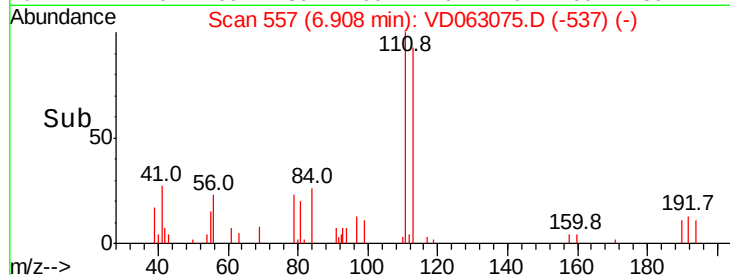
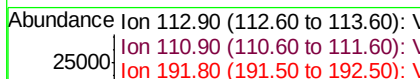
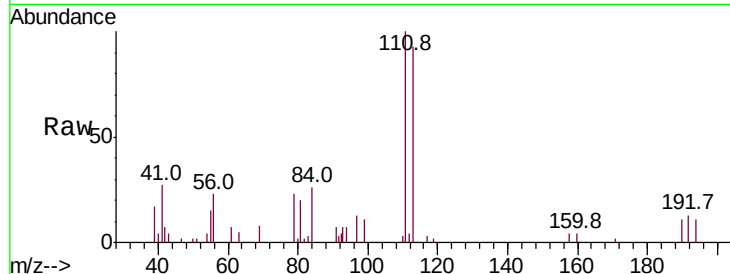
ClientSampleId :

VSTDIC005

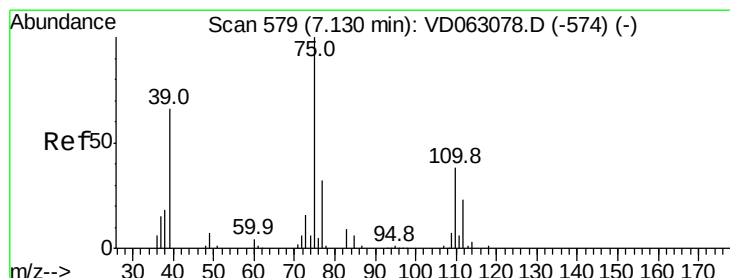
Tot Ion:	113	Resp:	51132
Ion Ratio	Lower	Upper	
113	100		
111	107.5	84.8	127.2
192	14.5	13.4	20.0

Manual Integrations
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Time-->



#36

1,1-Dichloropropene

Concen: 6.321 ug/l

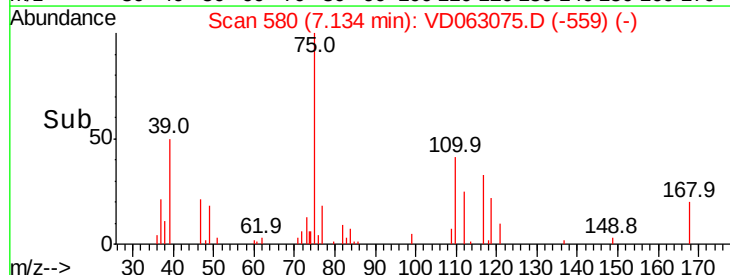
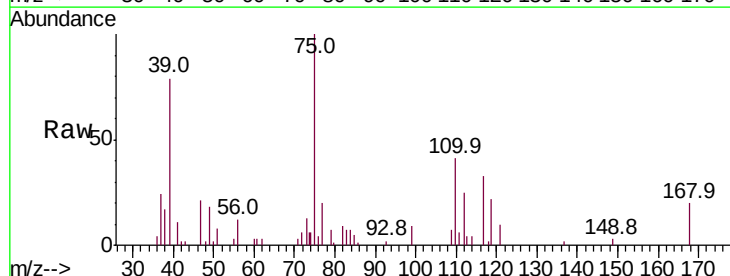
RT: 7.13 min Scan# 580

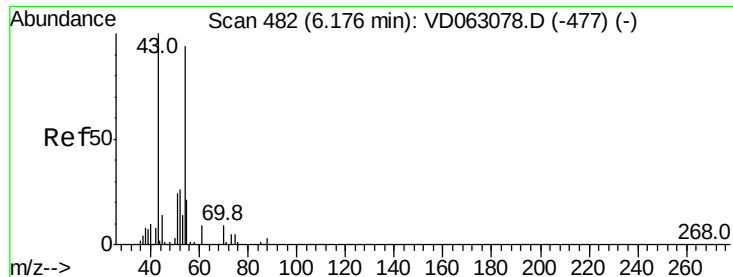
Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Tgt Ion:	75	Resp:	67154
Ion Ratio	Lower	Upper	
75	100		
110	41.3	18.9	56.5
77	20.1	25.2	37.8#





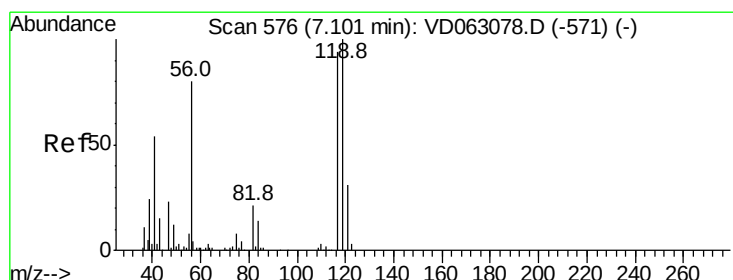
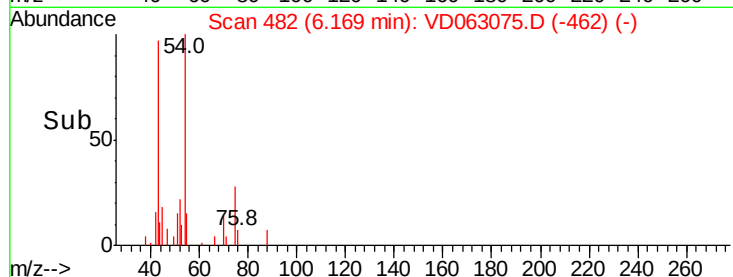
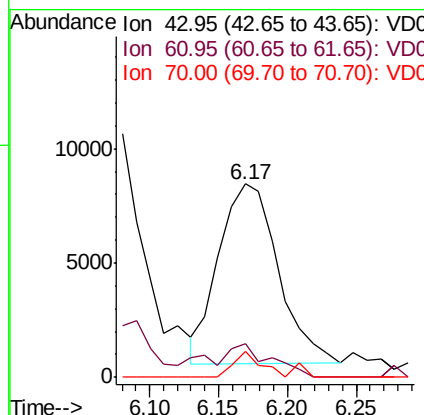
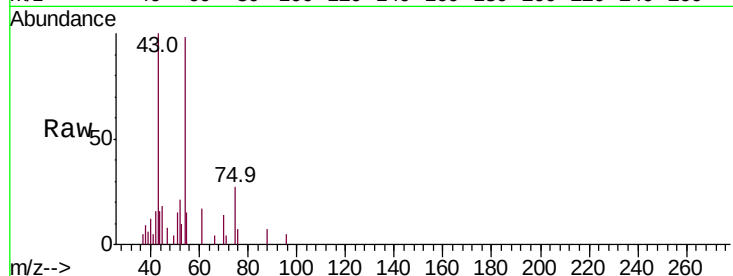
#37
Ethyl Acetate
Concen: 4.747 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	10.6	16.0#
70	13.7	6.6	9.8#

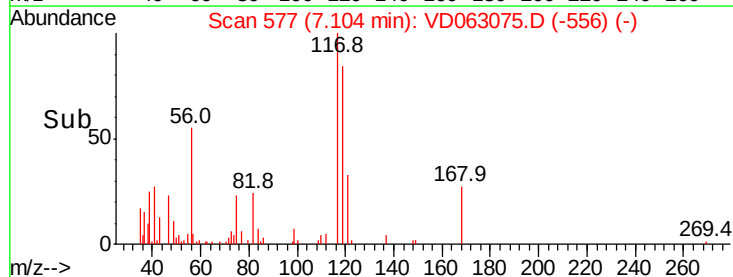
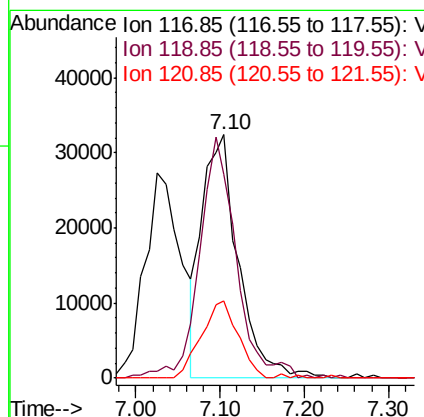
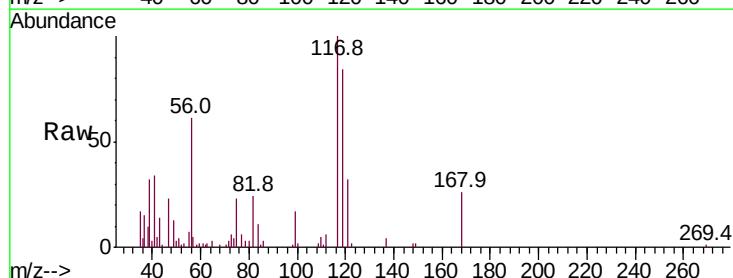
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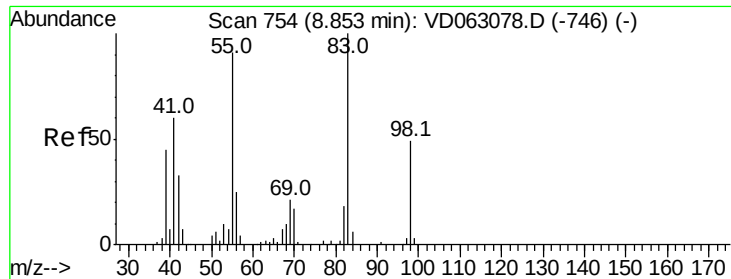
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#38
Carbon Tetrachloride
Concen: 6.016 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	83.6	80.0	120.0
121	31.8	25.0	37.4





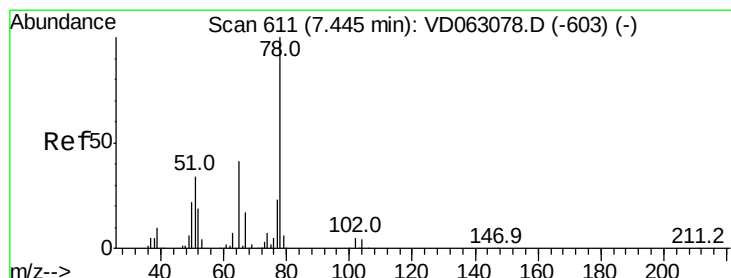
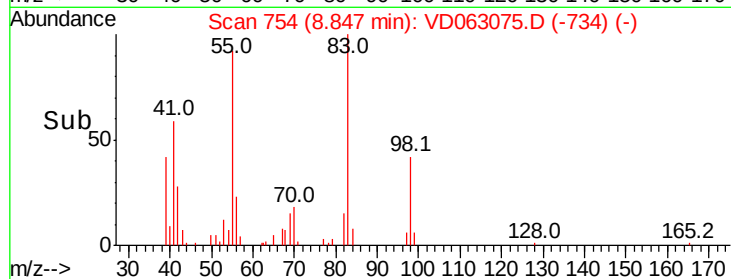
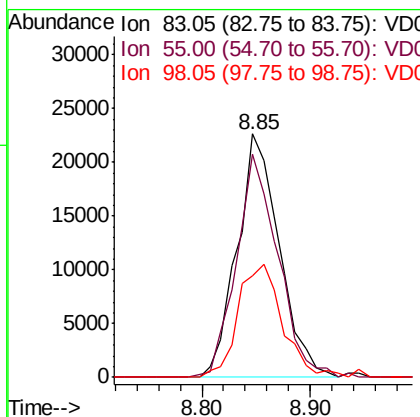
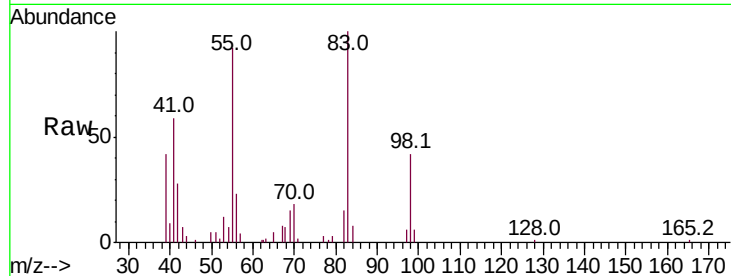
#39
Methylvclclohexane
Concen: 6.628 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	61392
Ion Ratio	100	Lower	Upper
83	100		
55	91.8	73.0	109.4
98	41.9	39.4	59.0

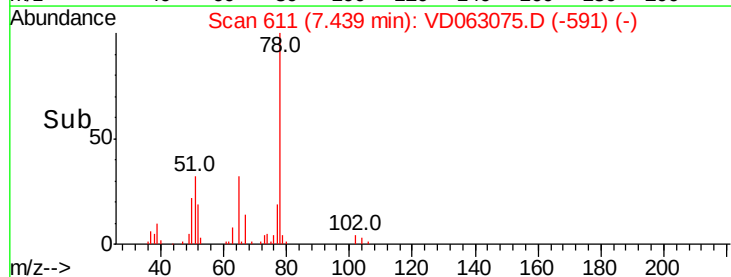
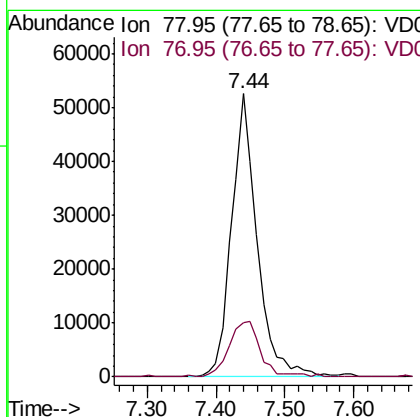
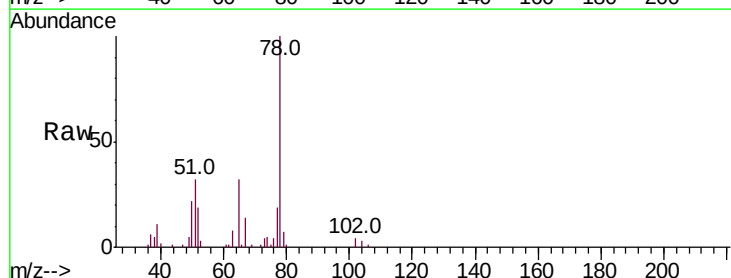
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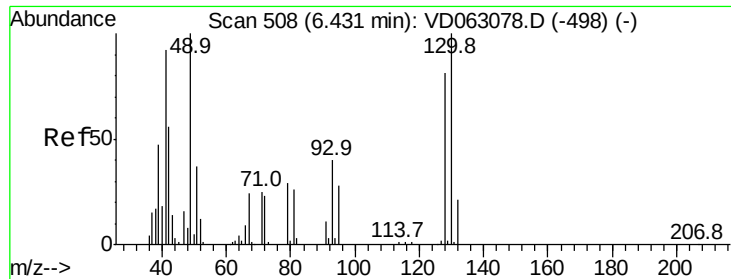
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#40
Benzene
Concen: 6.228 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion	78	Resp	135105
Ion Ratio	100	Lower	Upper
78	100		
77	19.1	18.1	27.1





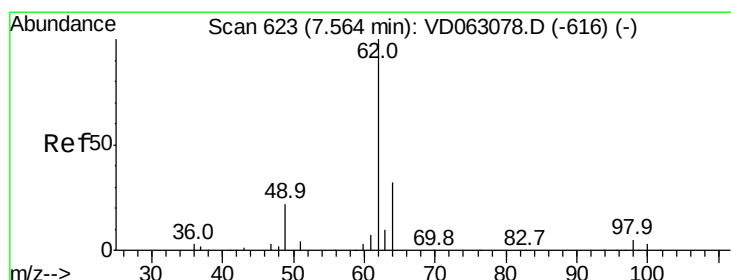
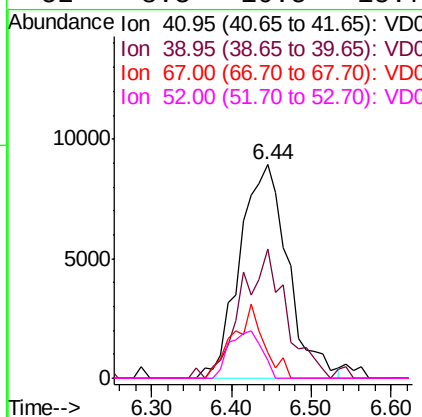
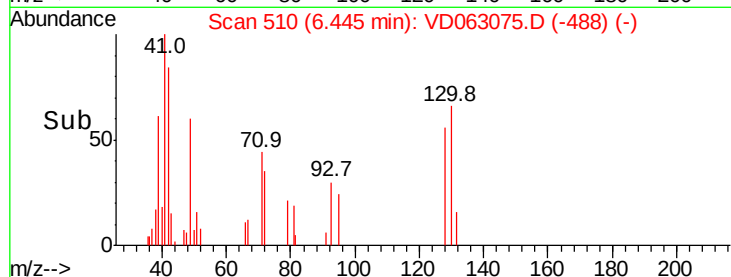
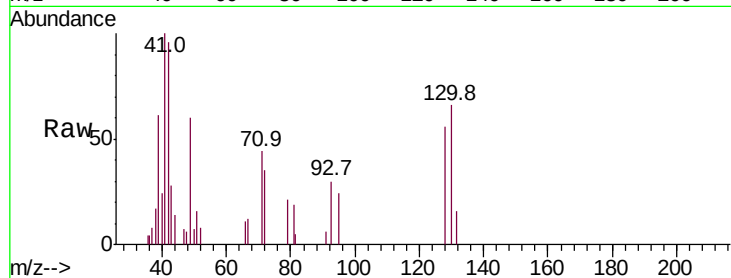
#41
Methacrylonitrile
Concen: 6.500 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.6	41.0	61.6
67	12.2	21.3	31.9#
52	8.3	10.5	15.7#

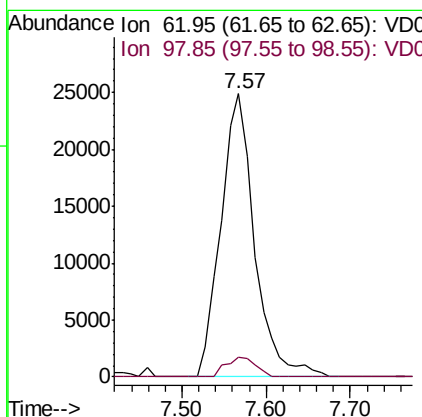
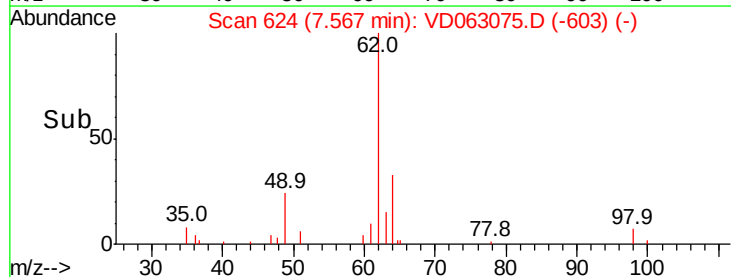
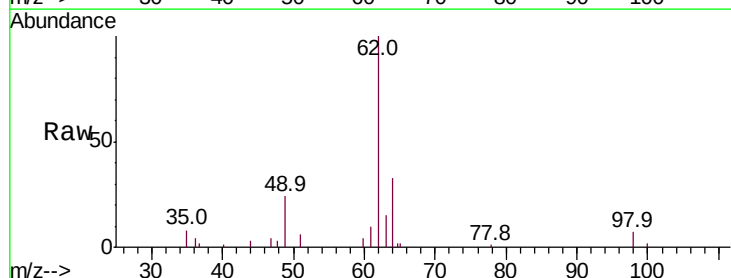
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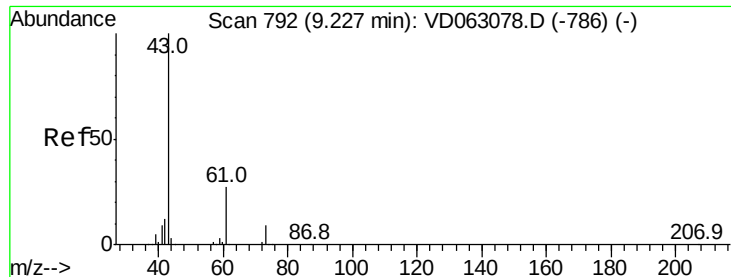
MMDadoda
7/16/2019 9:14:56 AM



#42
1,2-Dichloroethane
Concen: 5.914 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	9.6





#43

Isopropyl Acetate

Concen: 6.708 ug/l

RT: 9.22 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

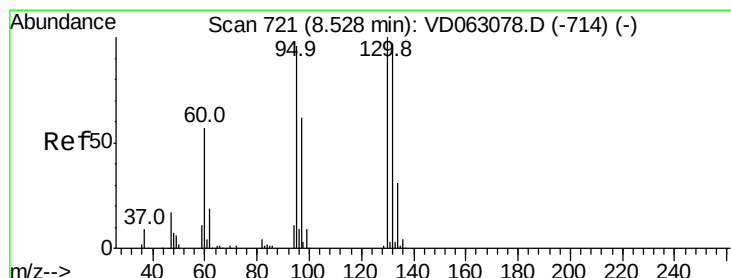
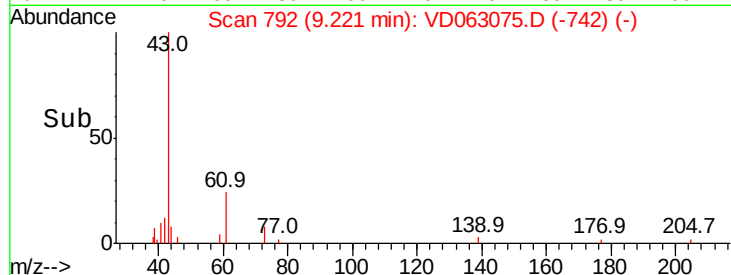
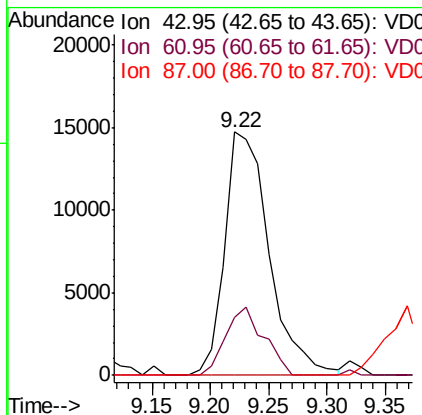
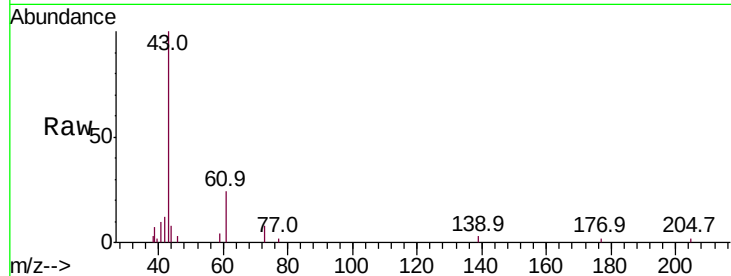
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	38931
Ion	Ratio	Lower	Upper
43	100		
61	24.0	21.7	32.5
87	0.0	0.2	0.4

Manual Integrations
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#44

Trichloroethene

Concen: 6.140 ug/l

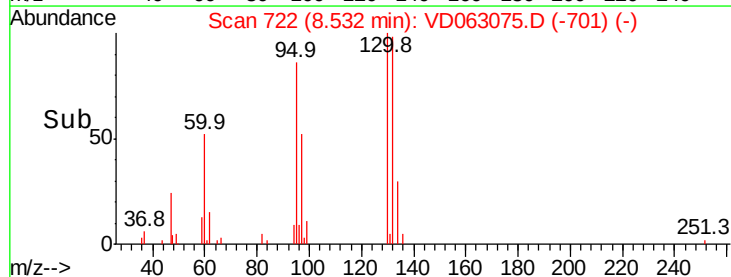
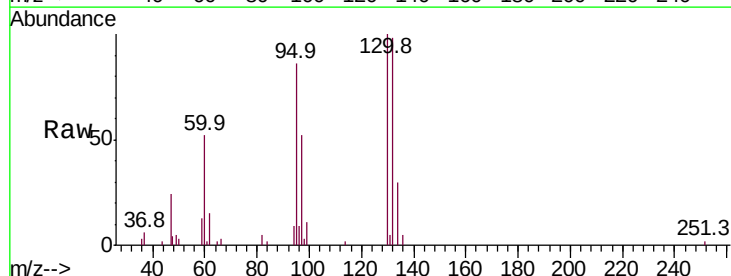
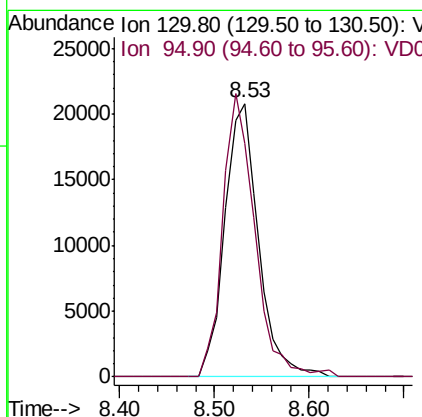
RT: 8.53 min Scan# 722

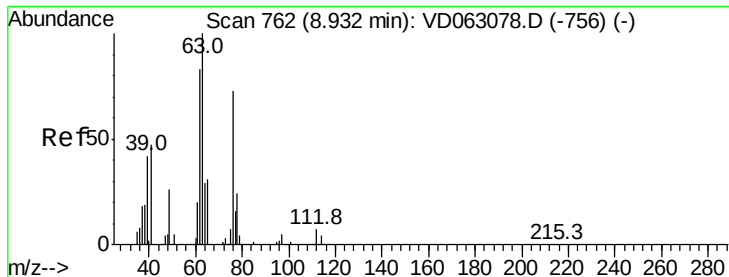
Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Tgt Ion:	130	Resp:	51472
Ion	Ratio	Lower	Upper
130	100		
95	85.5	0.0	191.4





#45

1,2-Dichloropropane

Concen: 6.366 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 34261

Ion Ratio Lower Upper

63 100

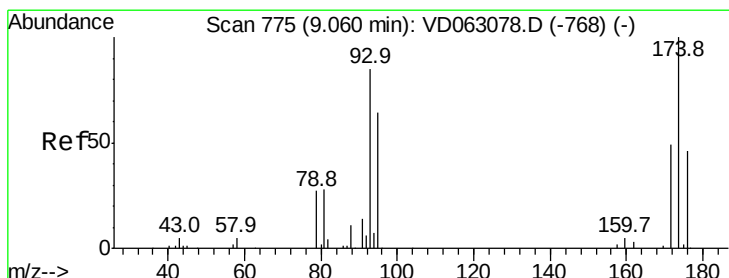
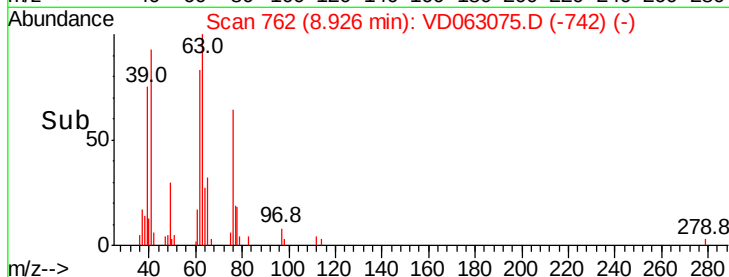
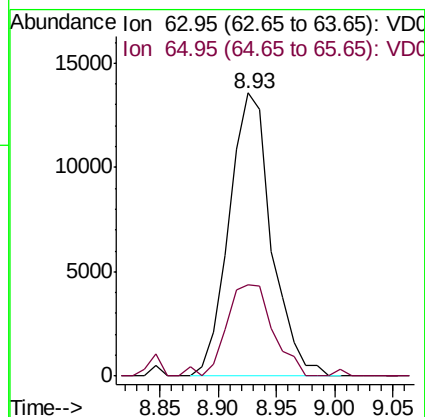
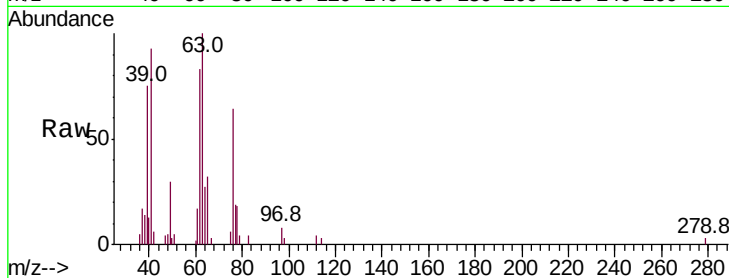
65 32.2 26.3 39.5

Manual Integrations

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#46

Dibromomethane

Concen: 6.147 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

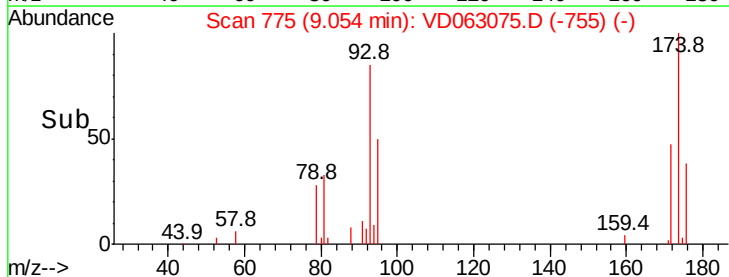
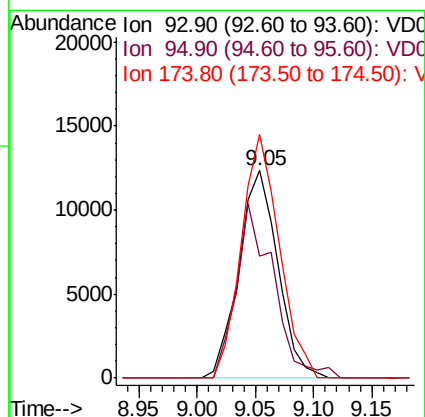
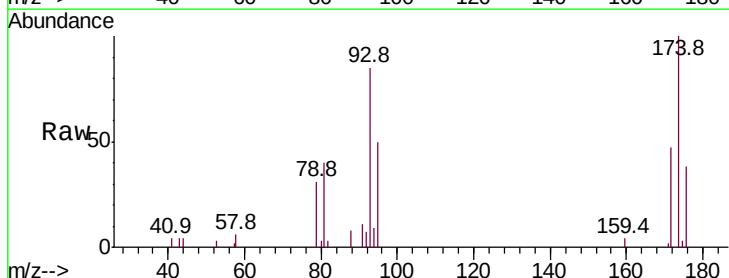
Tgt Ion: 93 Resp: 28631

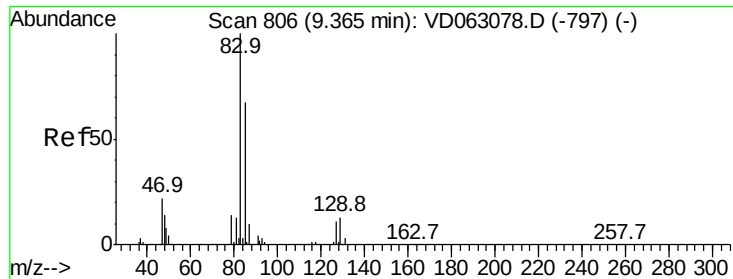
Ion Ratio Lower Upper

93 100

95 58.9 59.7 89.5#

174 117.4 93.9 140.9





#47

Bromodichloromethane

Concen: 6.199 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

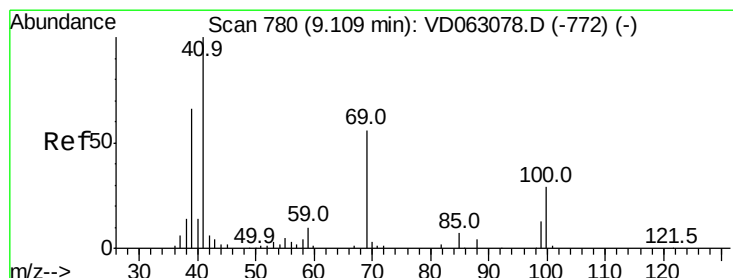
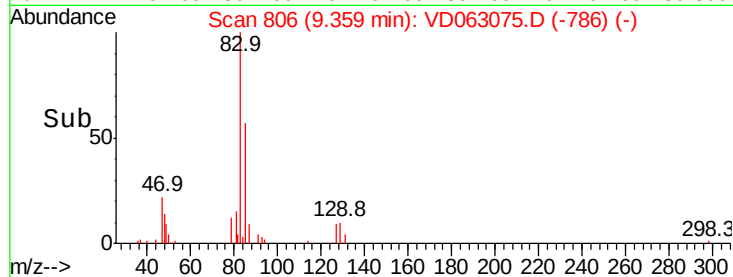
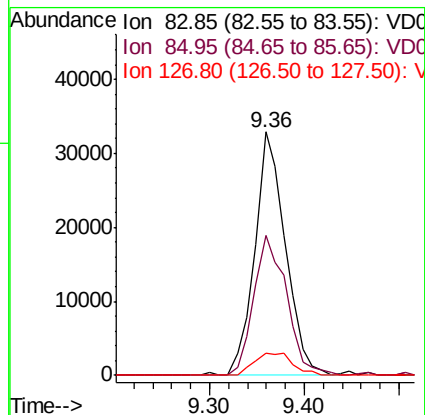
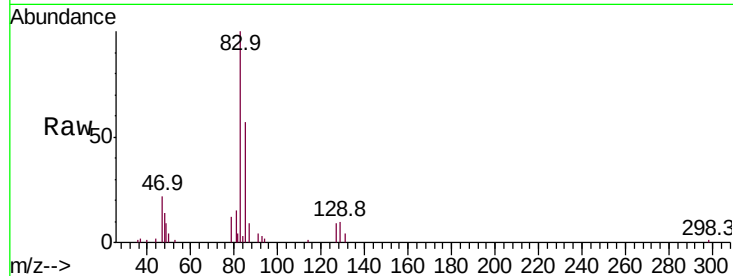
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	74090
Ion	Ratio	Lower	Upper
83	100		
85	57.2	53.7	80.5
127	9.2	9.0	13.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 7.055 ug/l

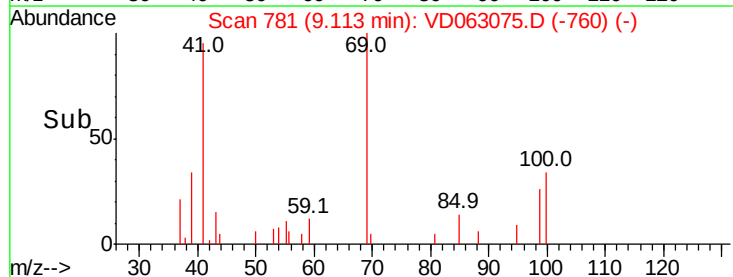
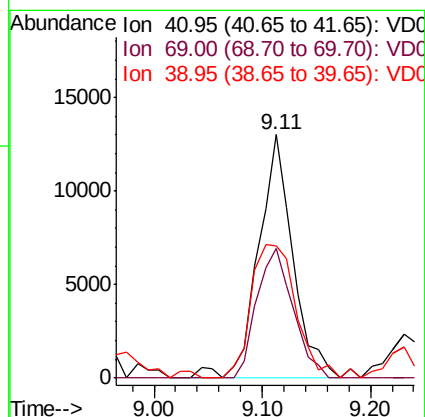
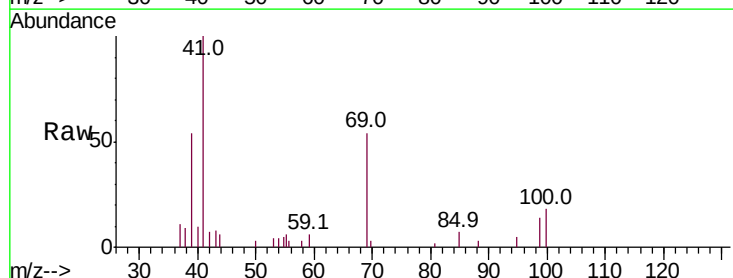
RT: 9.11 min Scan# 781

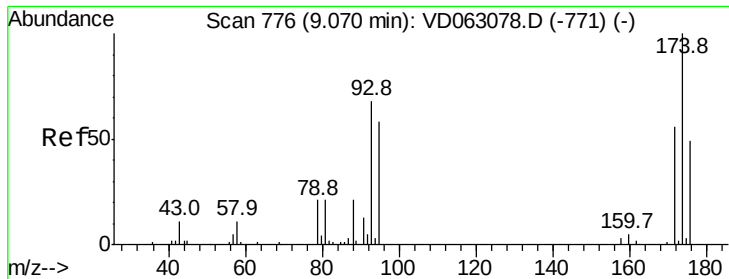
Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Tgt Ion:	41	Resp:	28888
Ion	Ratio	Lower	Upper
41	100		
69	53.5	44.3	66.5
39	54.1	52.6	78.8





#49

1,4-Dioxane

Concen: 130.221 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

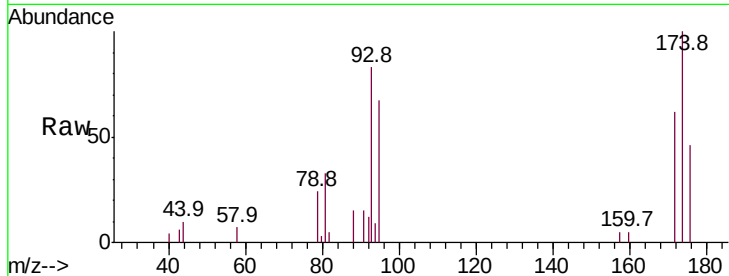
ClientSampleId :

VSTDIC005

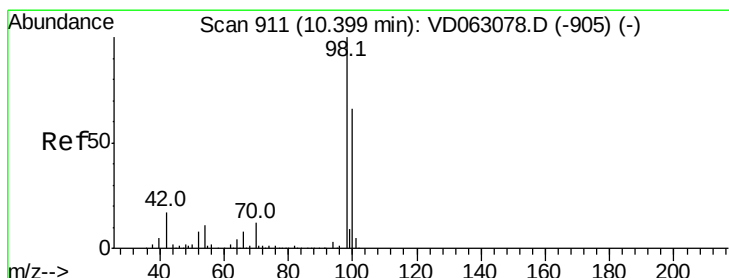
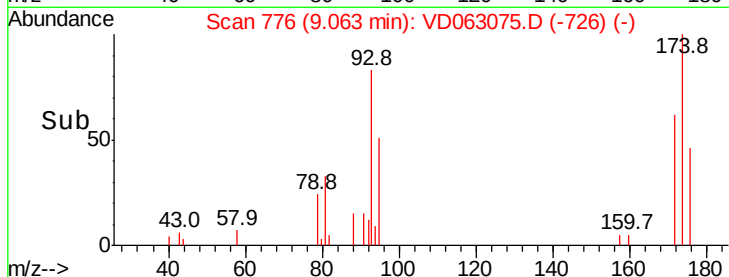
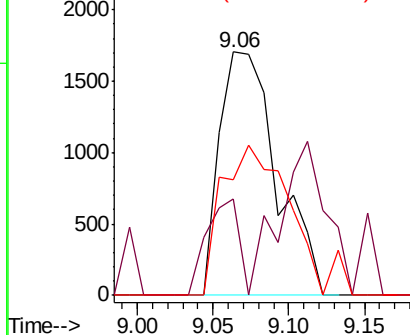
Tot Ion:	88	Resp:	4525
Ion	Ratio	Lower	Upper
88	100		
43	39.8	40.2	60.4#
58	47.7	41.6	62.4

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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: 5.260 ug/l

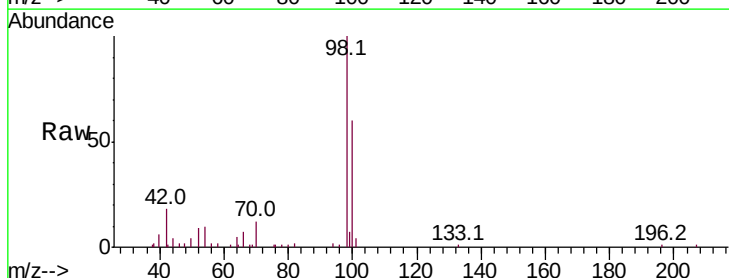
RT: 10.39 min Scan# 911

Delta R.T. -0.01 min

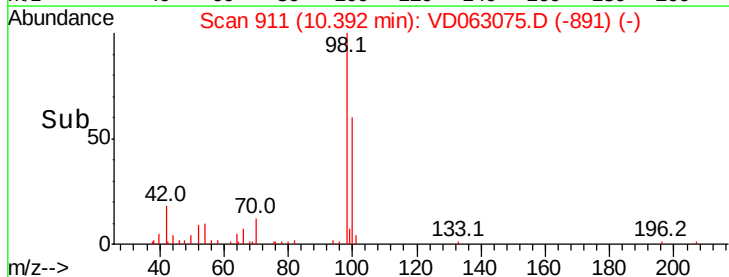
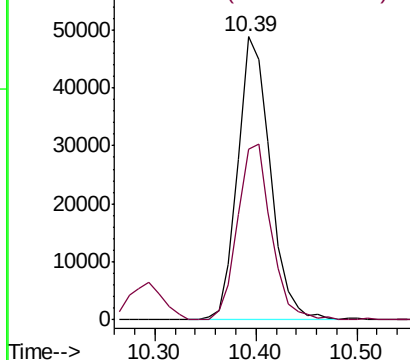
Lab File: VD063075.D

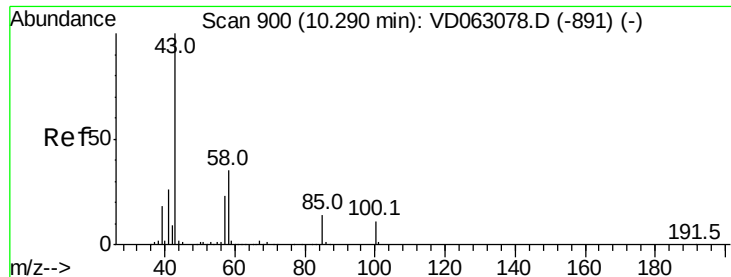
Acq: 15 Jul 2019 10:14

Tgt Ion:	98	Resp:	109460
Ion	Ratio	Lower	Upper
98	100		
100	60.2	53.5	80.3



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





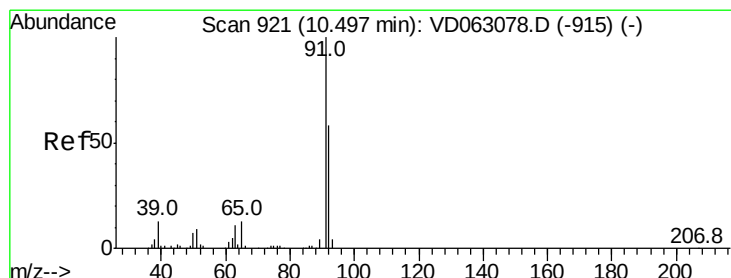
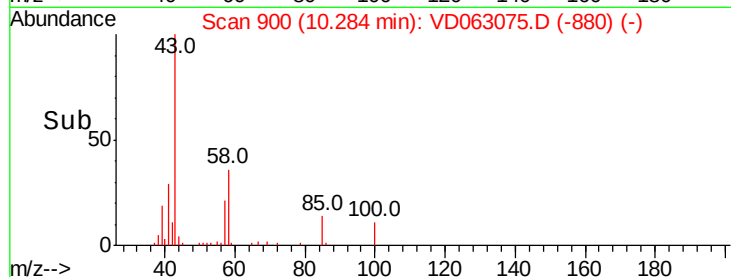
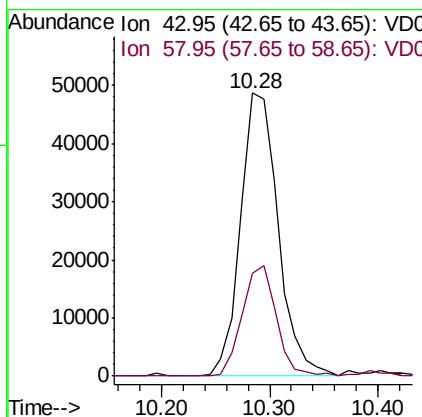
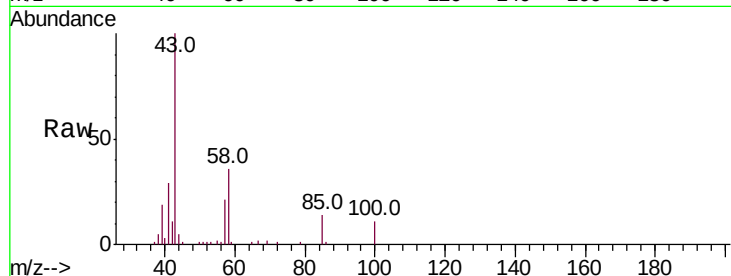
#51
4-Methyl-2-Pentanone
Concen: 28.663 ug/l
RT: 10.28 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 118212
Ion Ratio Lower Upper
43 100
58 36.5 27.8 41.6

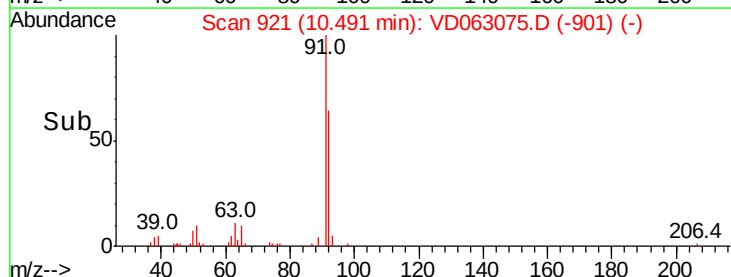
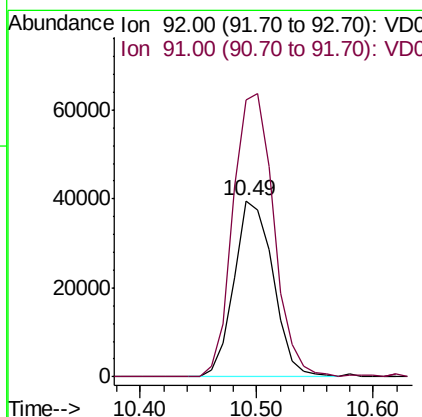
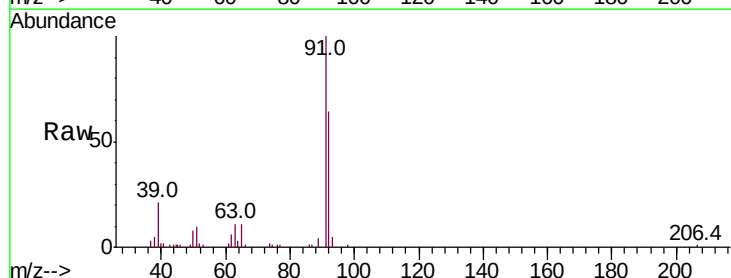
Manual Integrations
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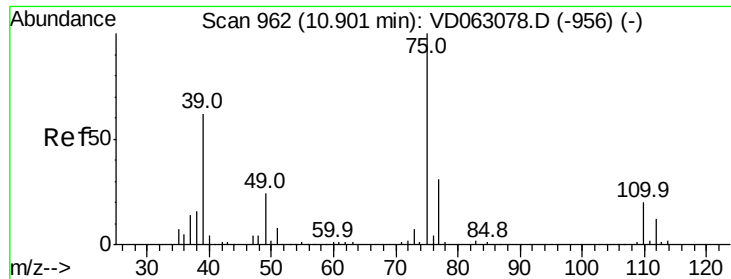
MMDadoda
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#52
Toluene
Concen: 6.372 ug/l
RT: 10.49 min Scan# 921
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 92 Resp: 92106
Ion Ratio Lower Upper
92 100
91 157.2 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 6.133 ug/l

RT: 10.90 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 61280

Ion Ratio Lower Upper

75 100

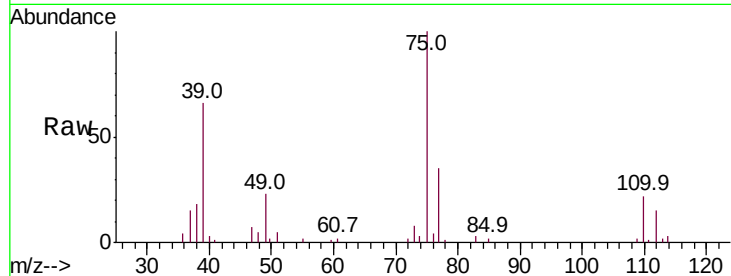
77 34.7 24.9 37.3

Manual Integrations

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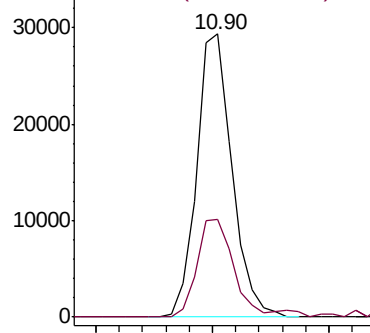
MMDadoda

7/16/2019 9:14:56 AM

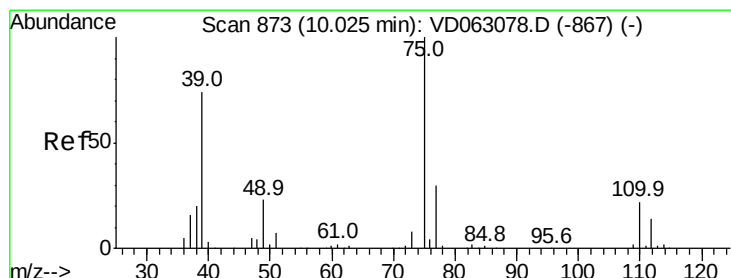
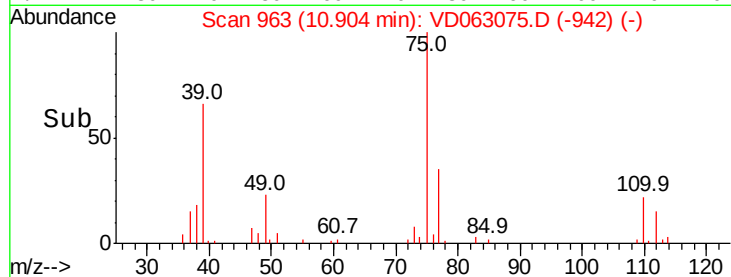


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



Time-->



#54

cis-1,3-Dichloropropene

Concen: 6.198 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

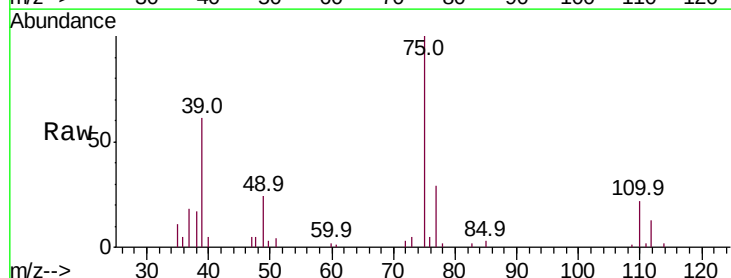
Tgt Ion: 75 Resp: 66783

Ion Ratio Lower Upper

75 100

77 29.0 23.9 35.9

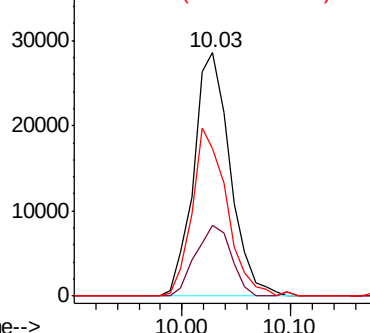
39 60.9 59.4 89.0



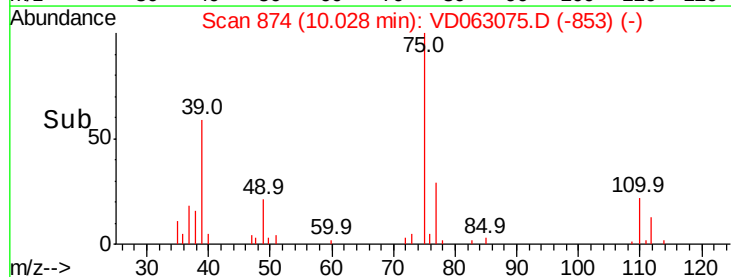
Abundance Ion 75.00 (74.70 to 75.70): VDC

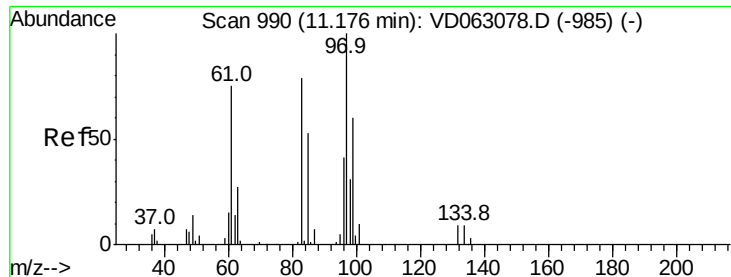
Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



Time-->





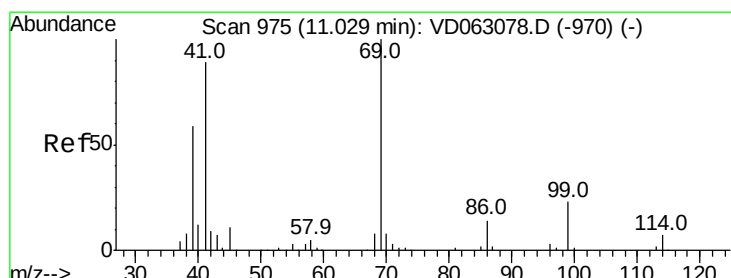
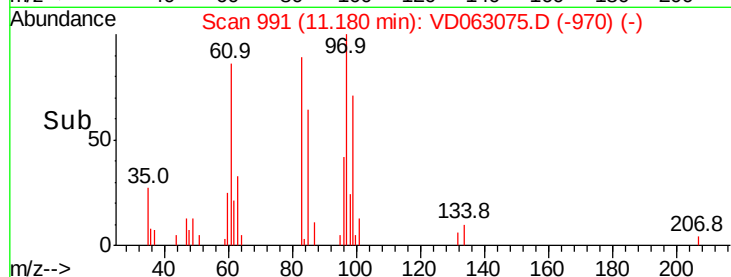
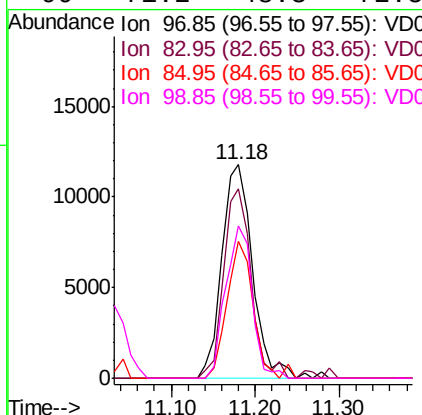
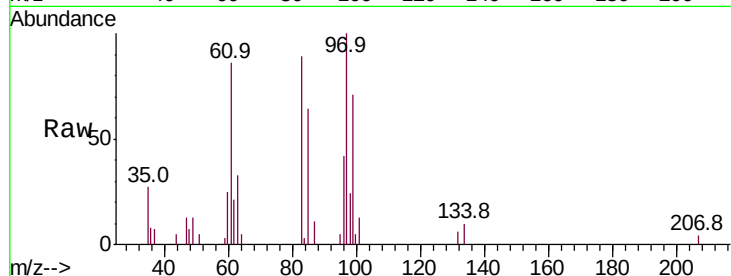
#55
1,1,2-Trichloroethane
Concen: 5.939 ug/l
RT: 11.18 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
97	100	30043		
83	88.6	63.2	94.8	
85	64.1	42.0	63.0	
99	71.2	48.3	72.5	

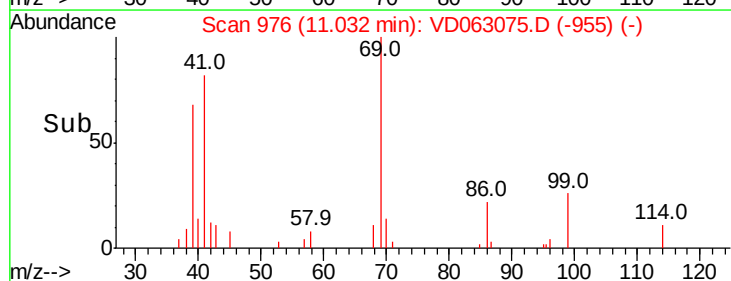
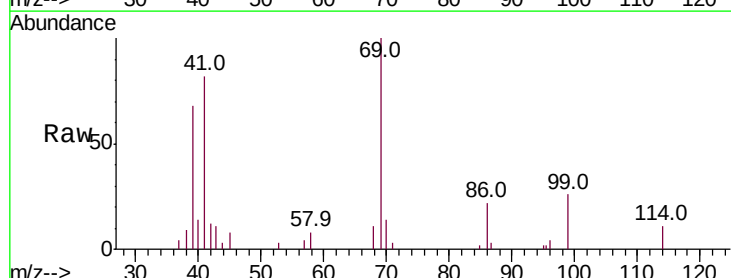
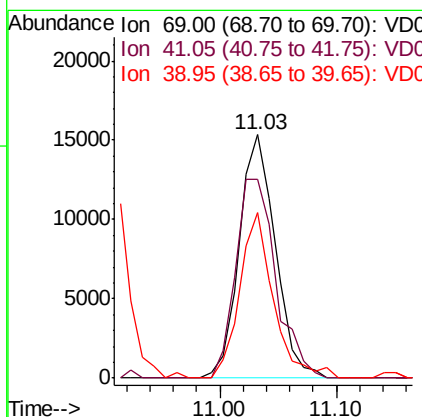
Manual Integrations
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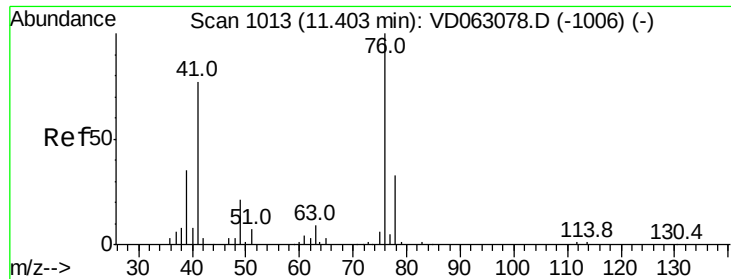
MMDadoda
7/16/2019 9:14:56 AM



#56
Ethyl methacrylate
Concen: 6.087 ug/l
RT: 11.03 min Scan# 976
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	32968		
41	81.7	71.0	106.4	
39	67.9	47.7	71.5	





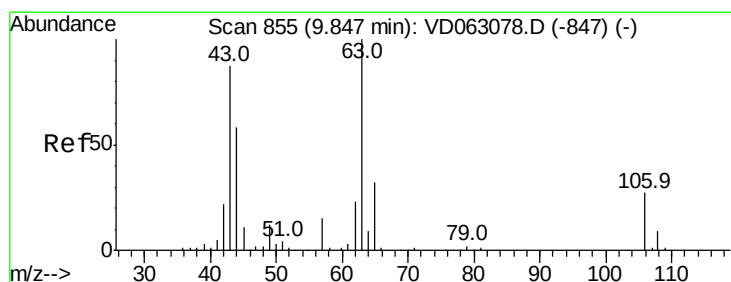
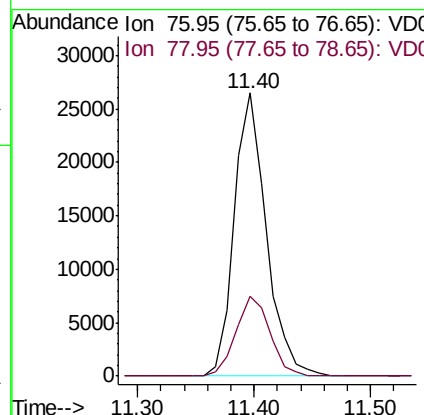
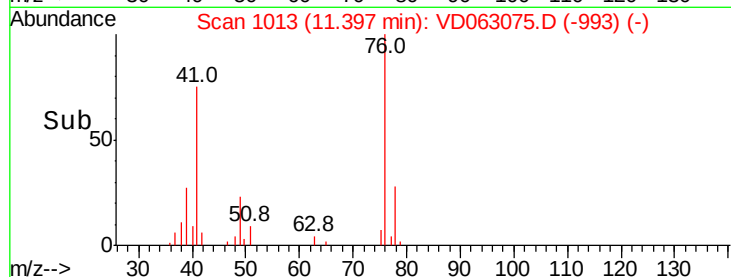
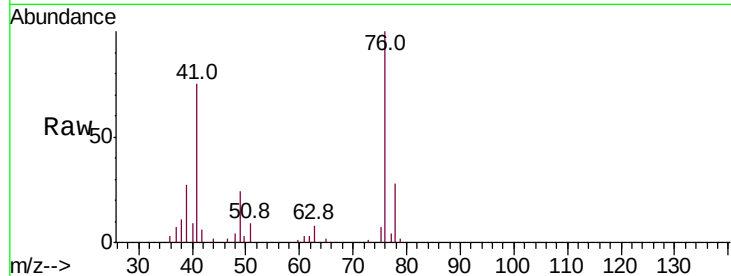
#57
 1,3-Dichloropropane
 Concen: 6.627 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 50463
 Ion Ratio Lower Upper
 76 100
 78 28.3 26.8 40.2

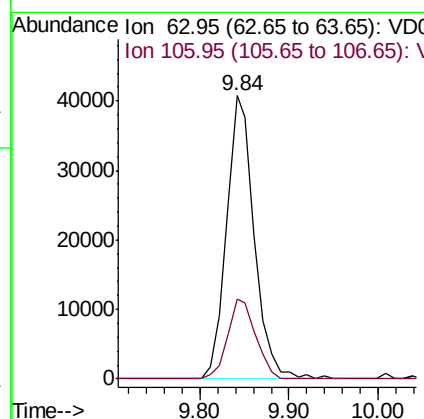
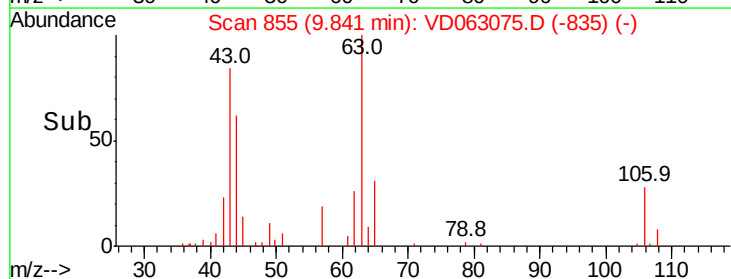
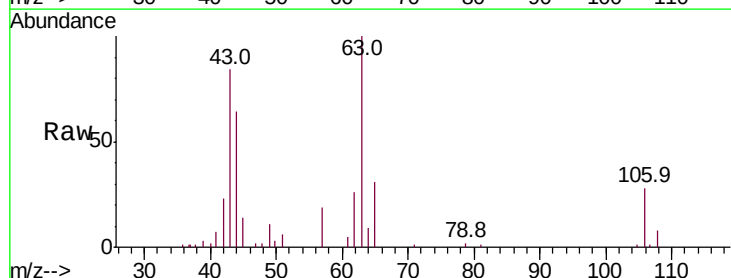
Manual Integrations
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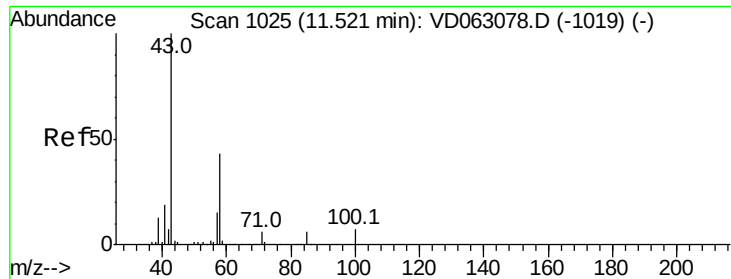
MMDadoda
 7/16/2019 9:14:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 30.726 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion: 63 Resp: 88918
 Ion Ratio Lower Upper
 63 100
 106 28.1 21.3 31.9





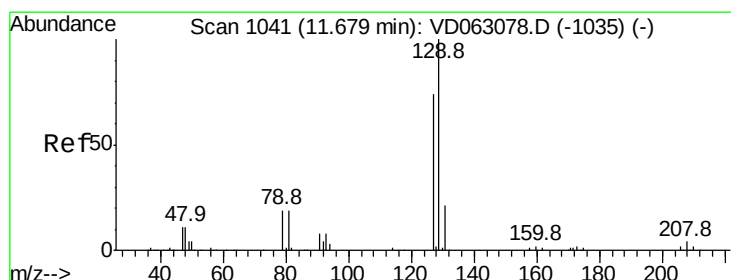
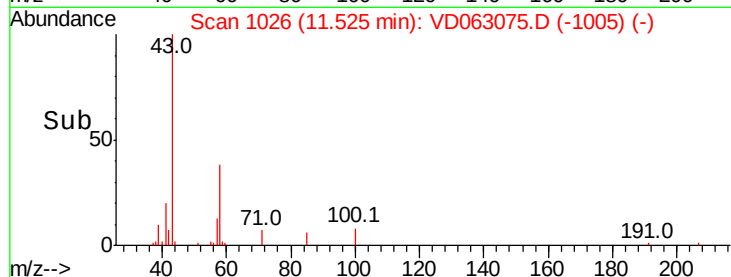
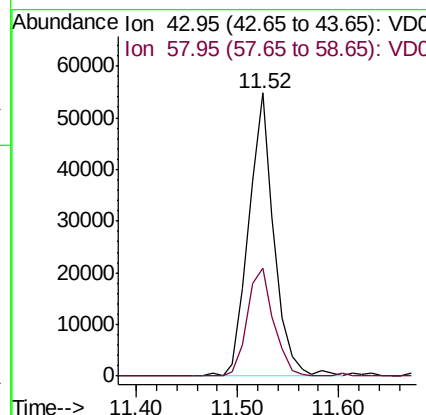
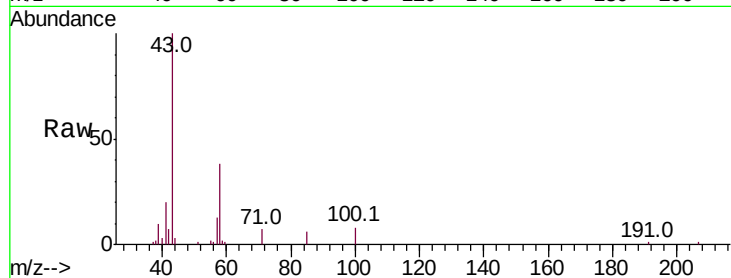
#59
2-Hexanone
Concen: 32.037 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 95470
Ion Ratio Lower Upper
43 100
58 38.1 21.7 65.1

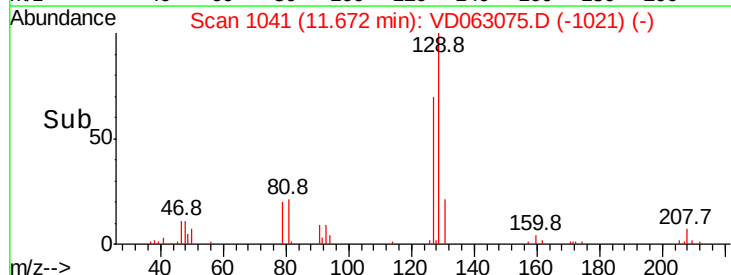
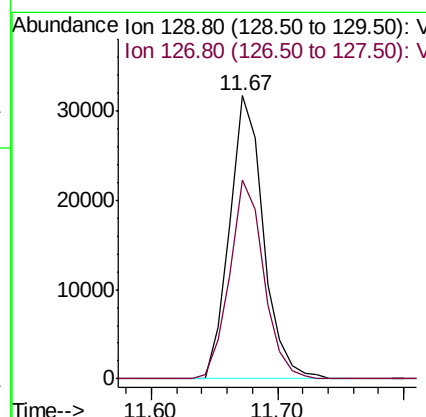
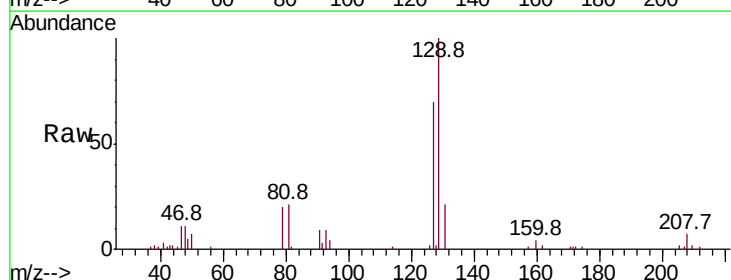
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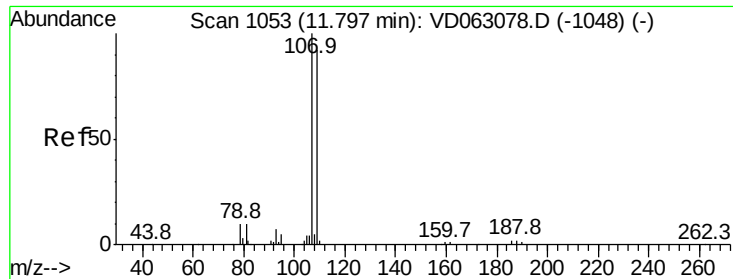
MMDadoda
7/16/2019 9:14:56 AM



#60
Dibromochloromethane
Concen: 6.194 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 129 Resp: 58446
Ion Ratio Lower Upper
129 100
127 70.2 37.0 110.9





#61

1,2-Dibromoethane

Concen: 5.908 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 34994

Ion Ratio Lower Upper

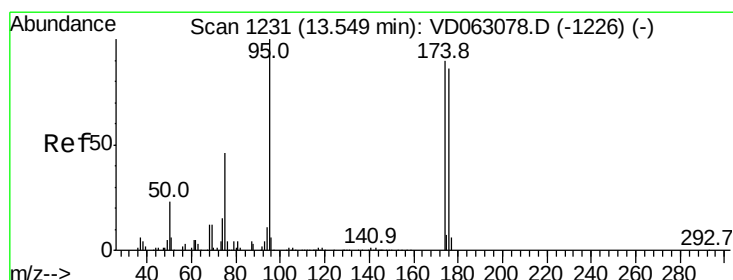
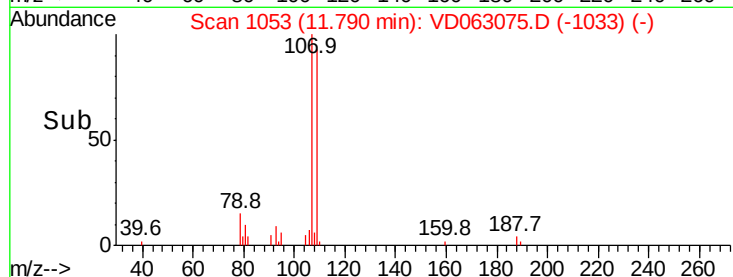
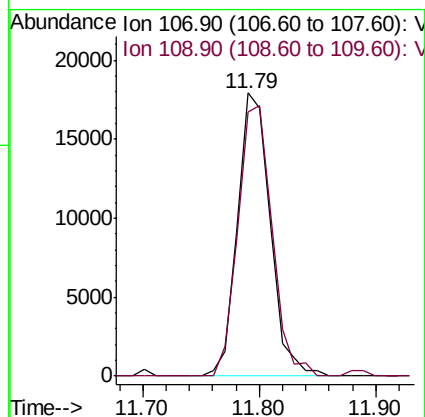
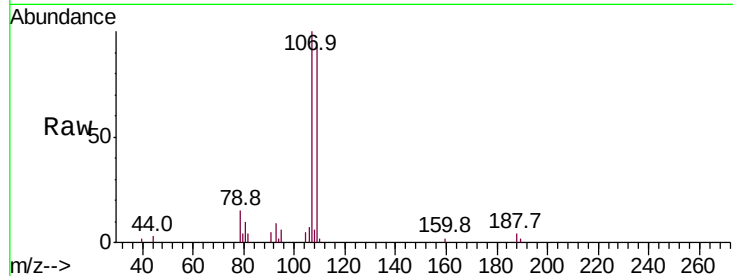
107 100

109 93.2 73.6 110.4

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7/16/2019 9:14:56 AM



#62

4-Bromofluorobenzene

Concen: 6.009 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

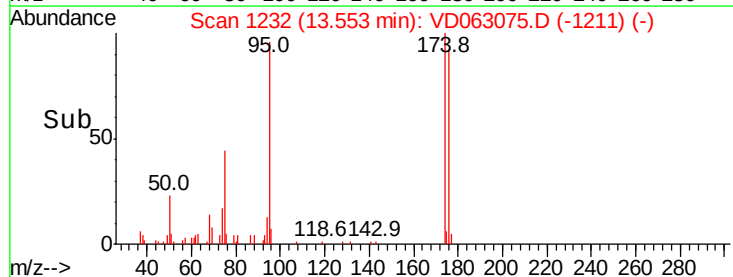
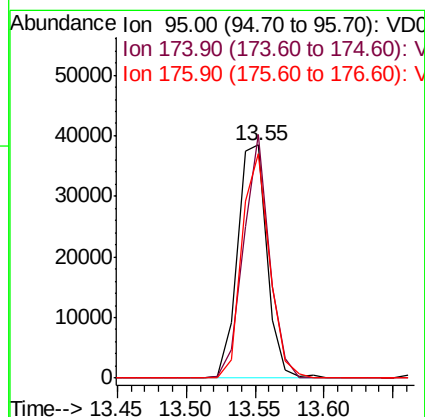
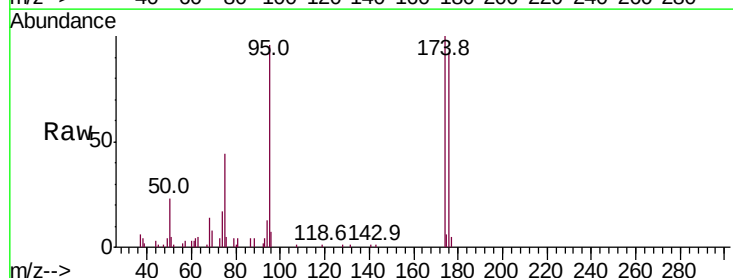
Tgt Ion: 95 Resp: 57340

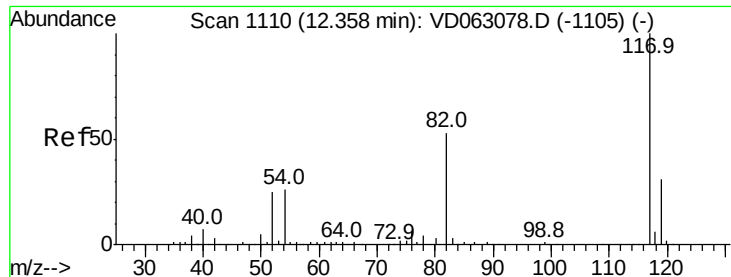
Ion Ratio Lower Upper

95 100

174 104.6 0.0 180.6

176 96.4 0.0 172.2





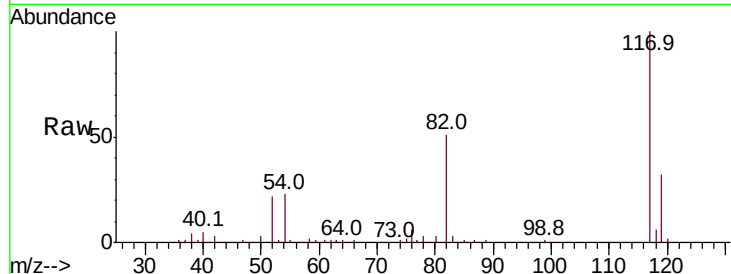
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.3	63.5
119	32.4	25.2	37.8

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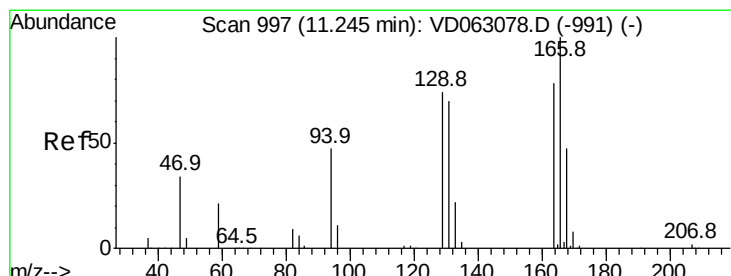
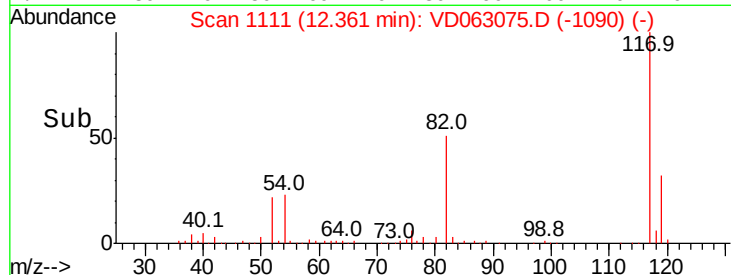
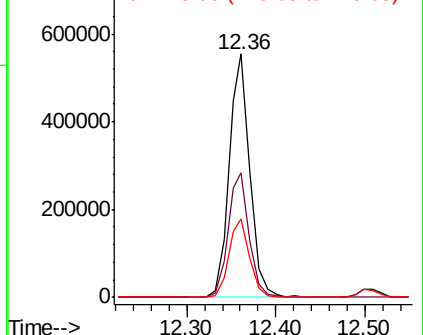


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 7.304 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	110.7	102.8	154.2
129	74.5	76.4	114.6
131	77.0	71.7	107.5

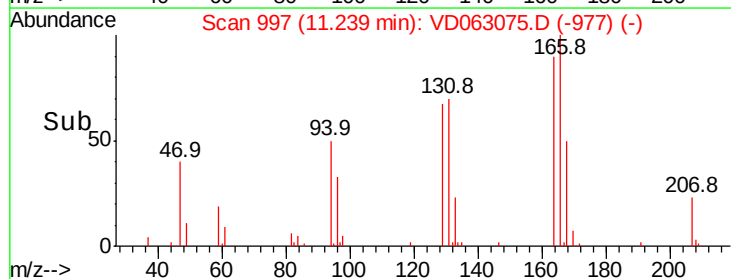
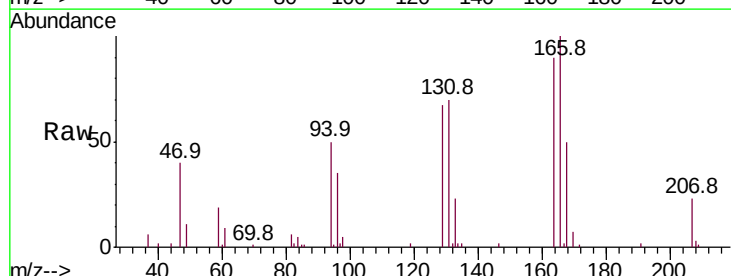
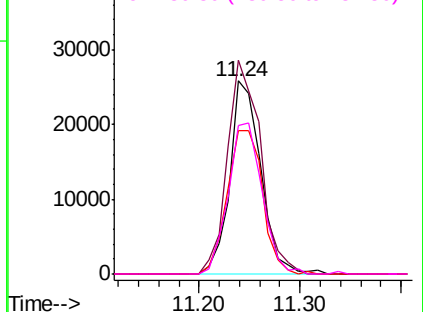
Abundance

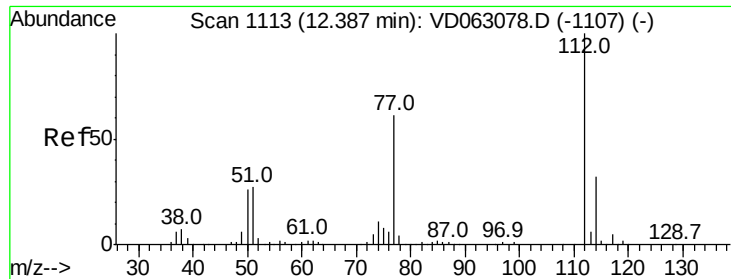
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





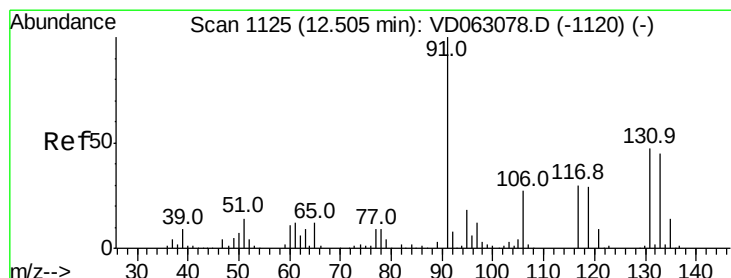
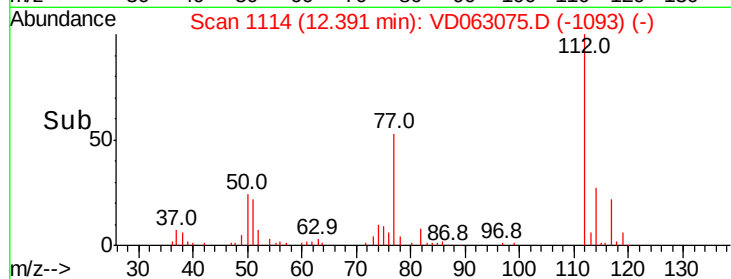
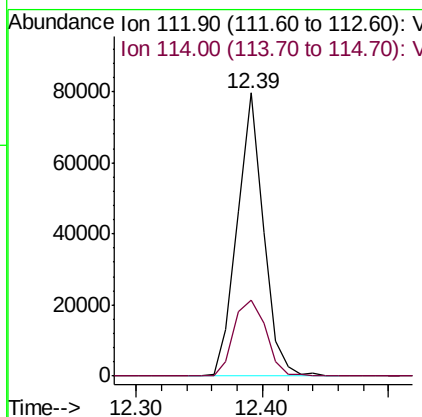
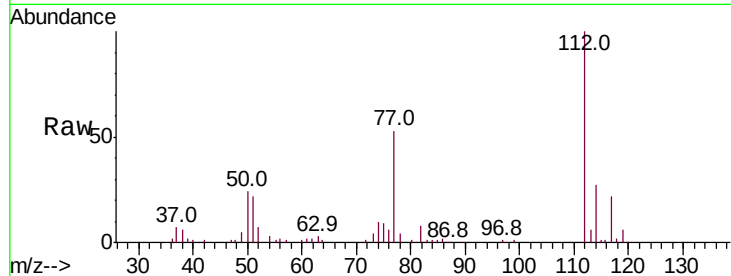
#65
Chlorobenzene
Concen: 6.636 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 114352
Ion Ratio Lower Upper
112 100
114 26.7 25.9 38.9

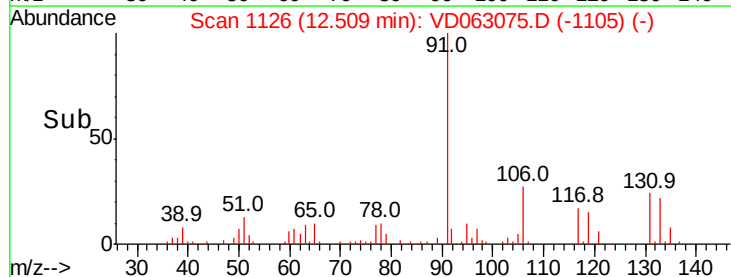
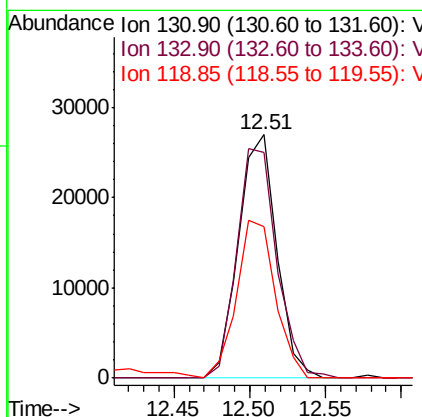
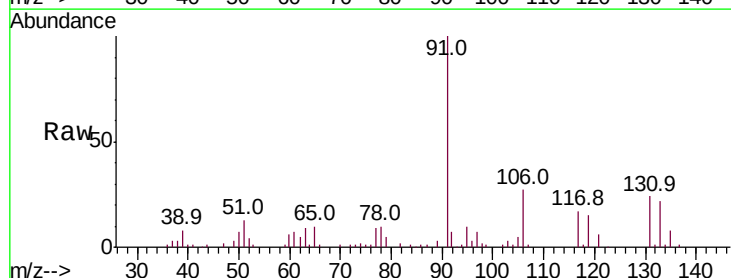
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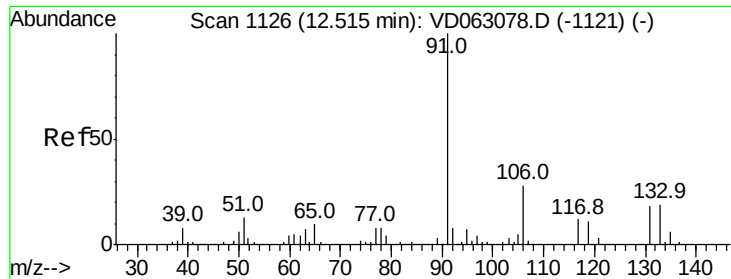
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.904 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion:131 Resp: 47453
Ion Ratio Lower Upper
131 100
133 92.9 48.5 145.6
119 62.2 30.8 92.3





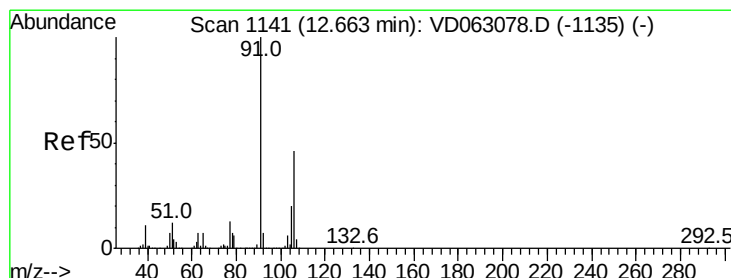
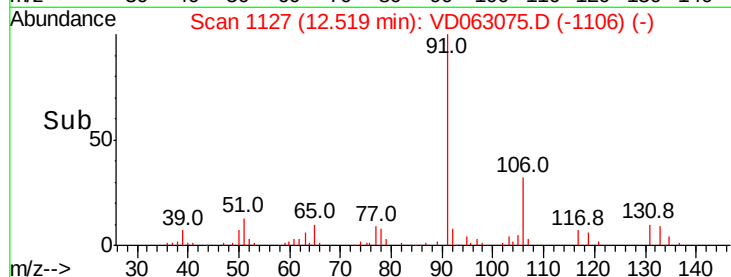
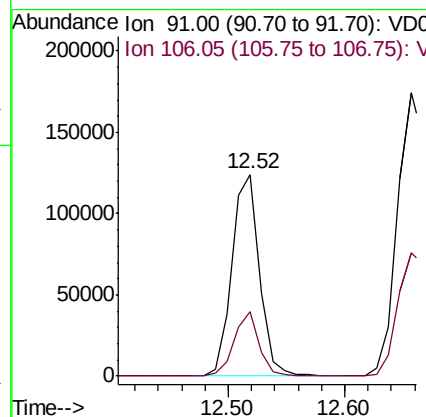
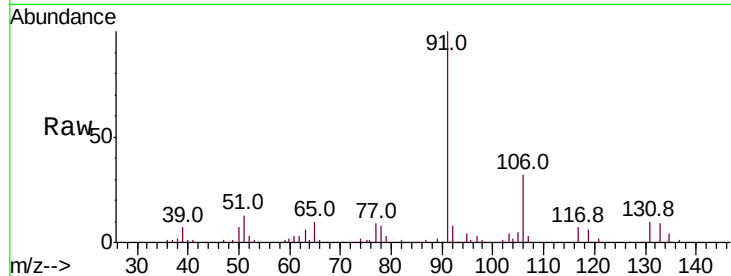
#67
Ethyl Benzene
Concen: 6.588 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.0	22.5	33.7

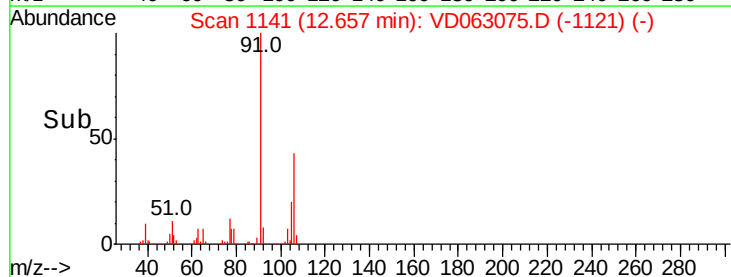
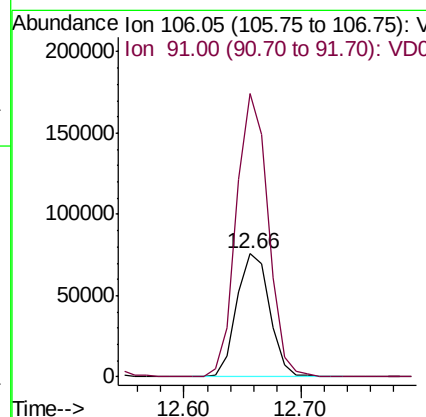
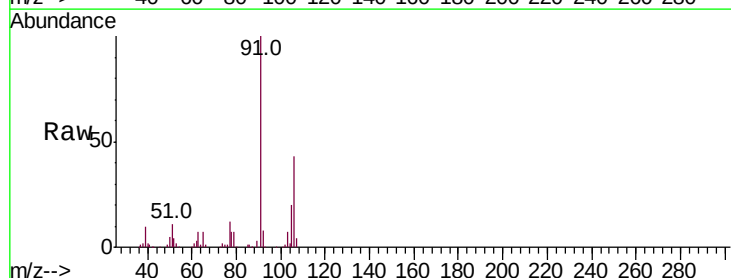
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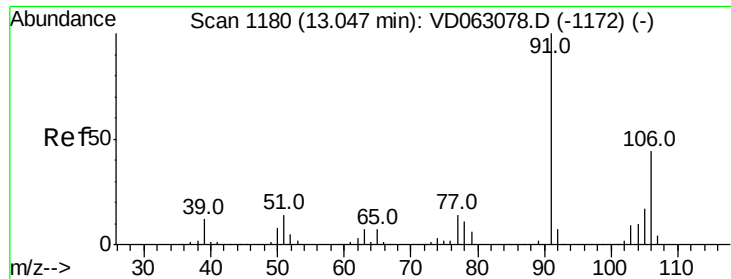
MMDadoda
7/16/2019 9:14:56 AM



#68
m/p-Xylenes
Concen: 13.947 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
106	100		
91	230.5	173.0	259.6





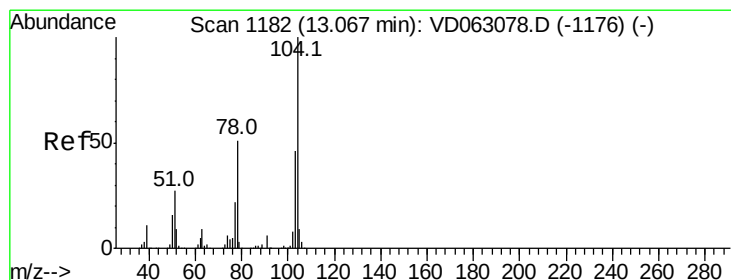
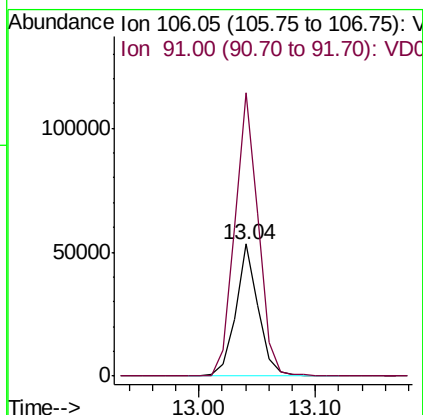
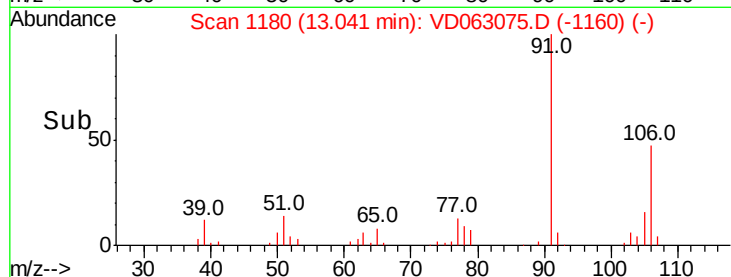
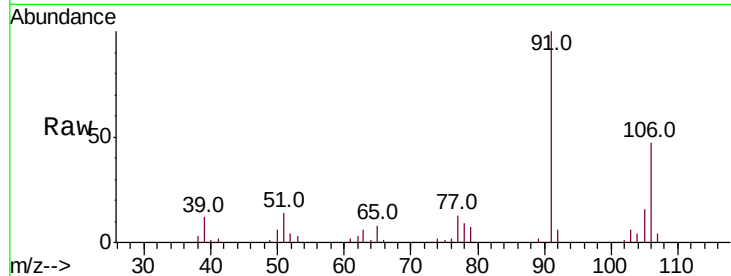
#69
o-Xylene
Concen: 7.168 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 70417
Ion Ratio Lower Upper
106 100
91 214.7 114.9 344.7

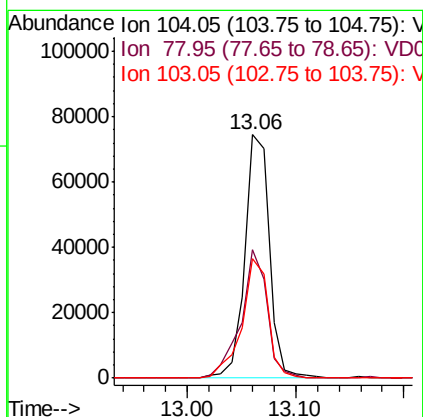
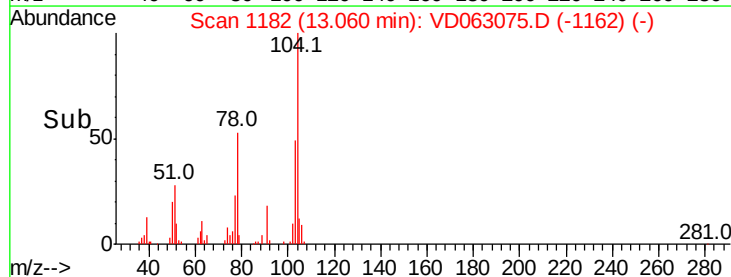
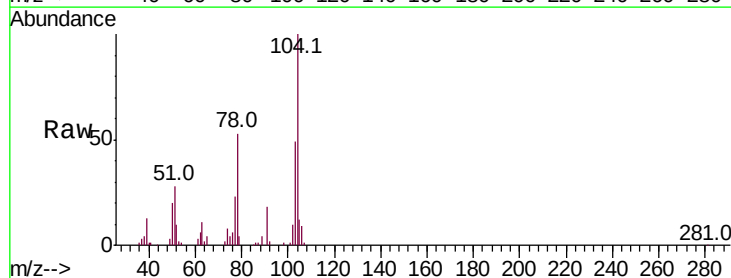
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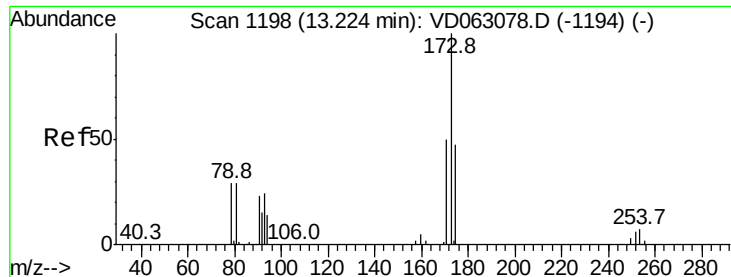
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#70
Styrene
Concen: 6.744 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion:104 Resp: 117423
Ion Ratio Lower Upper
104 100
78 52.8 41.1 61.7
103 49.2 37.0 55.6





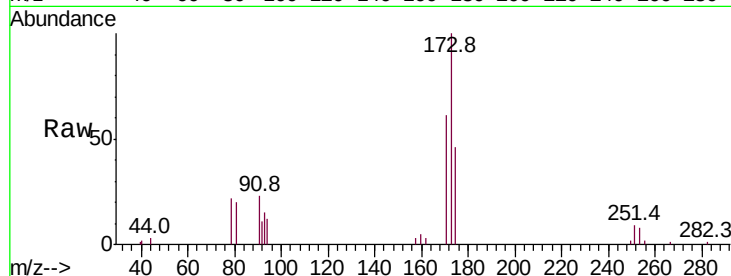
#71
Bromoform
Concen: 6.252 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

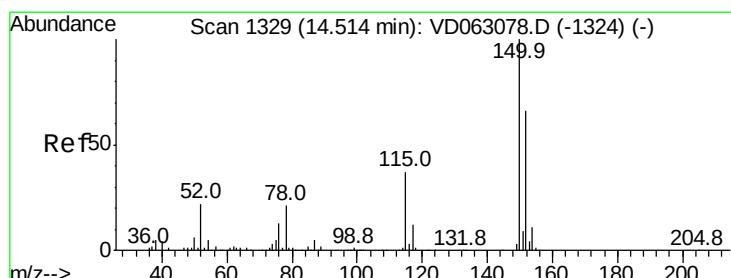
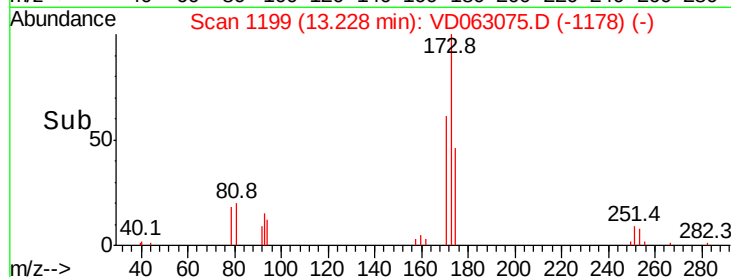
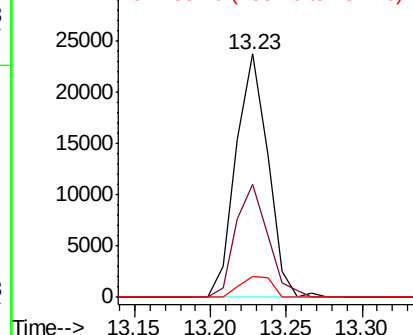
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.4	23.4	70.2
254	8.5	5.4	8.0#

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7/16/2019 9:14:56 AM

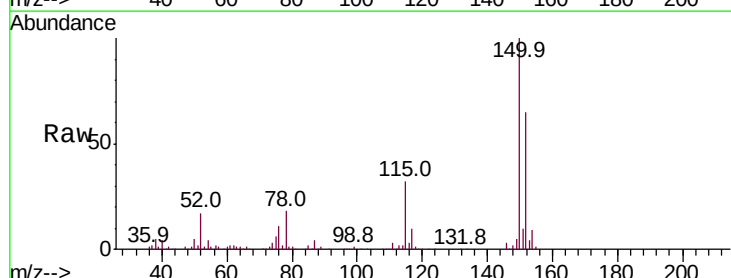


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

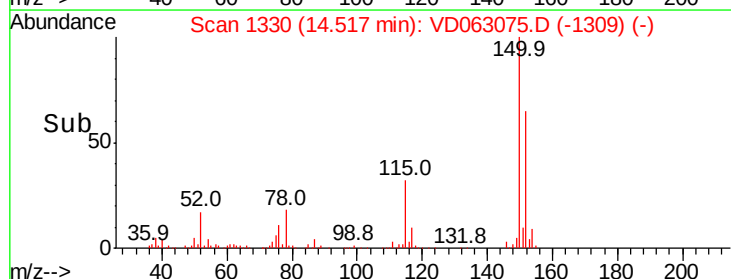
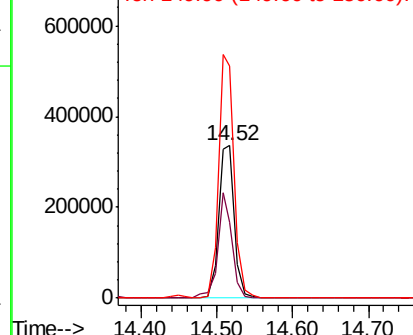


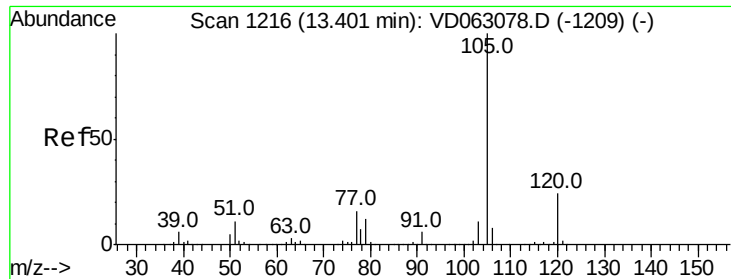
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.6	28.9	86.8
150	152.7	0.0	313.8



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





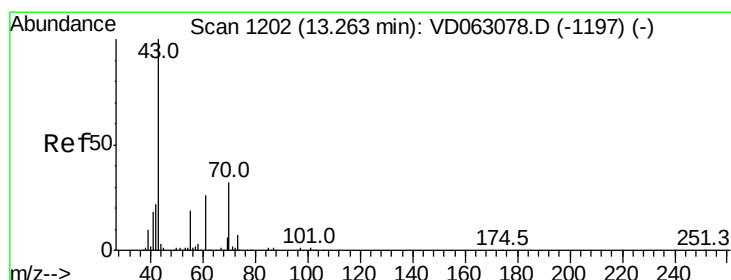
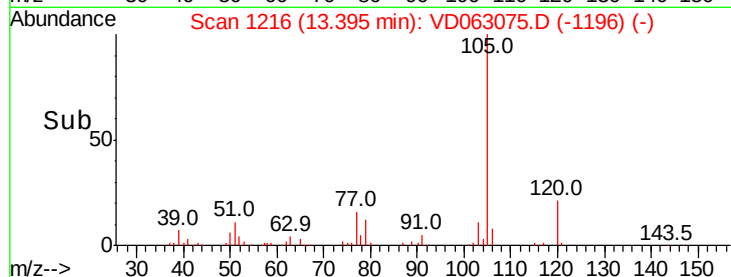
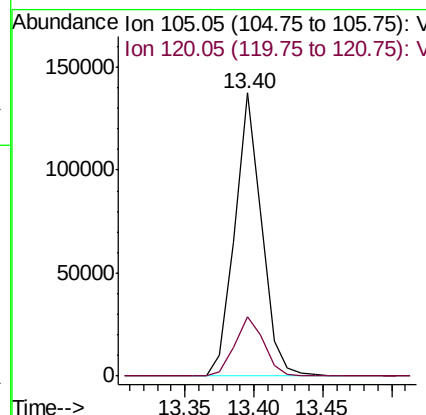
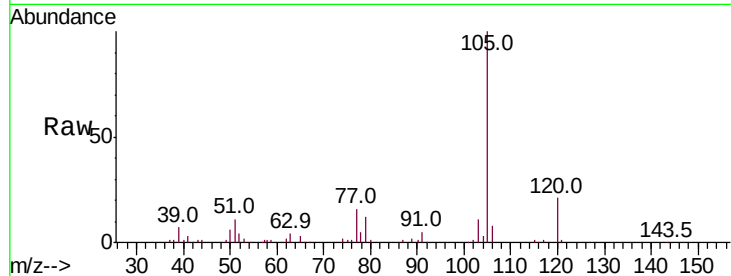
#73
Isopropylbenzene
Concen: 5.819 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:105 Resp: 186703
Ion Ratio Lower Upper
105 100
120 20.9 12.2 36.4

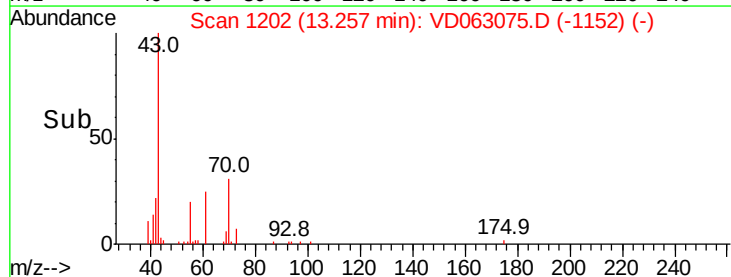
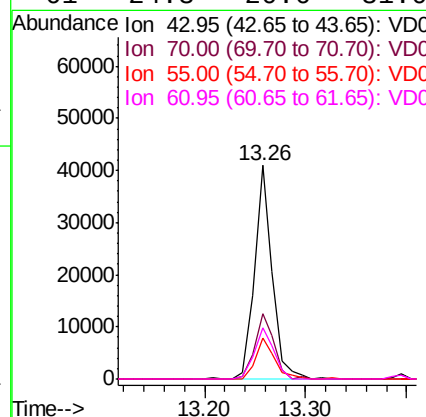
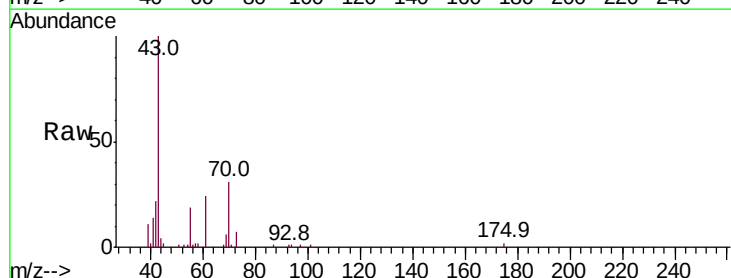
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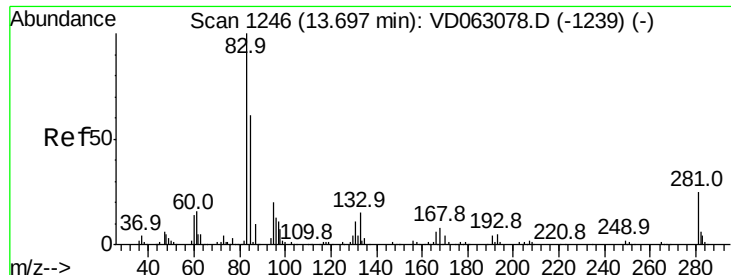
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#74
N-ethyl acetate
Concen: 6.262 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion: 43 Resp: 50282
Ion Ratio Lower Upper
43 100
70 32.1 25.5 38.3
55 19.5 15.4 23.0
61 24.3 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 6.058 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

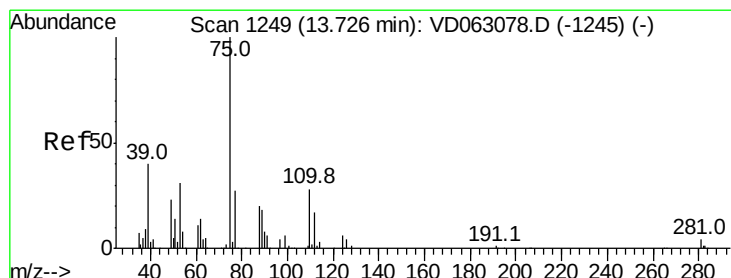
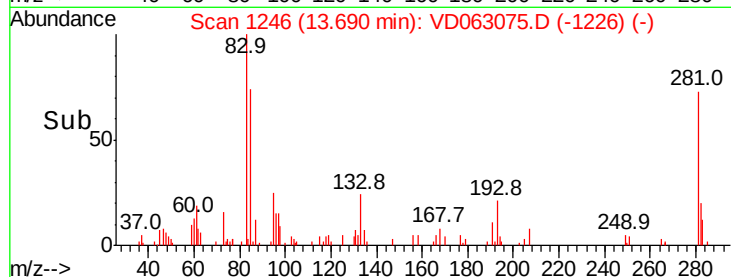
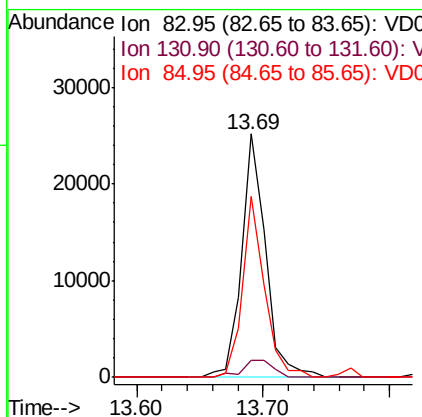
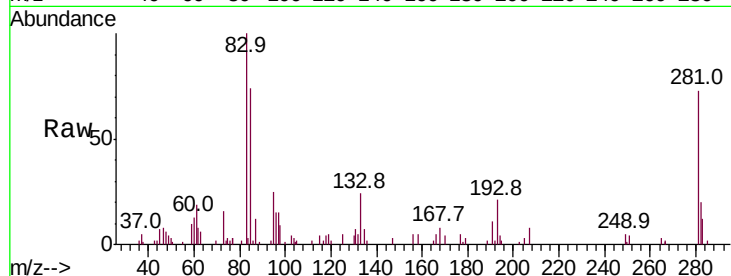
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	32911
Ion Ratio	Lower	Upper	
83	100		
131	7.2	5.5	16.7
85	74.4	30.7	92.1

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#76

1,2,3-Trichloropropane

Concen: 6.090 ug/l

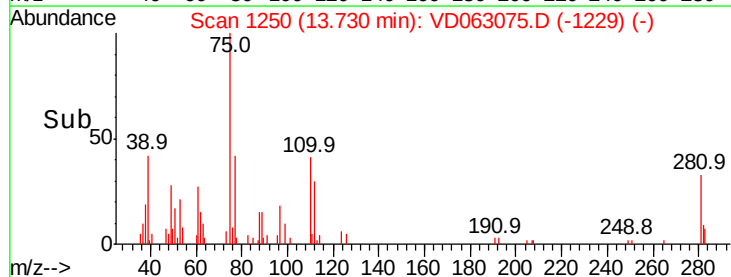
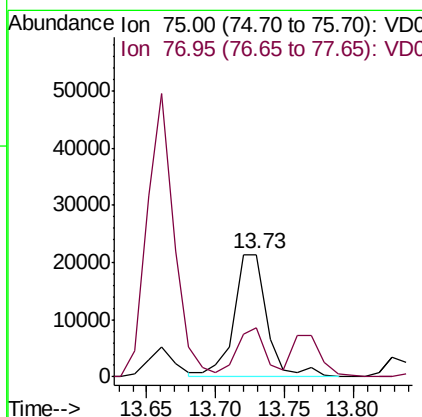
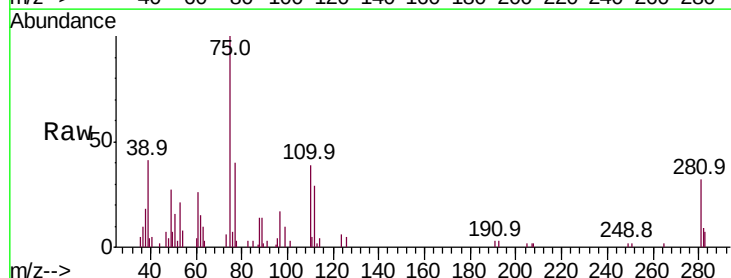
RT: 13.73 min Scan# 1250

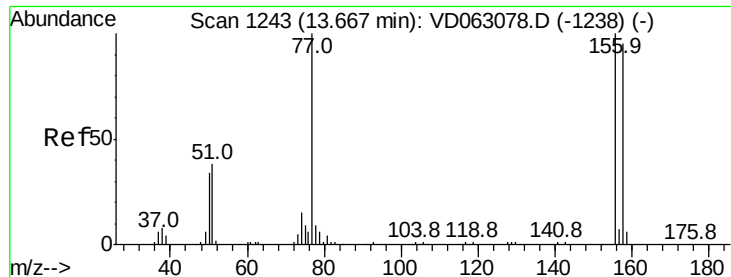
Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Tgt Ion:	75	Resp:	36348
Ion Ratio	Lower	Upper	
75	100		
77	43.6	16.3	48.8





#77

Bromobenzene

Concen: 6.174 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 53662

Ion Ratio Lower Upper

156 100

77 132.9 50.2 150.7

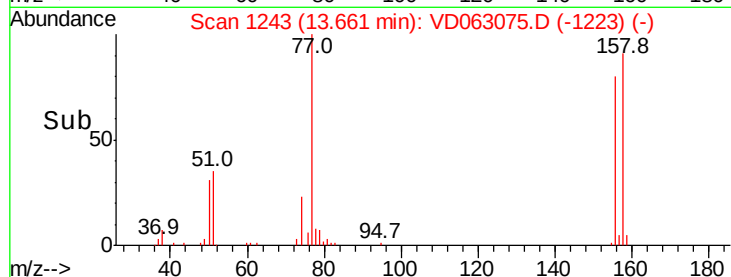
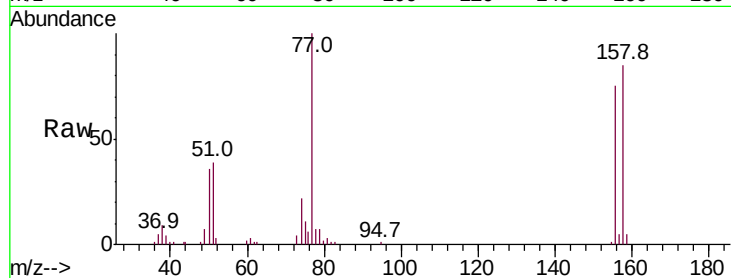
158 113.0 47.6 142.9

Manual Integrations

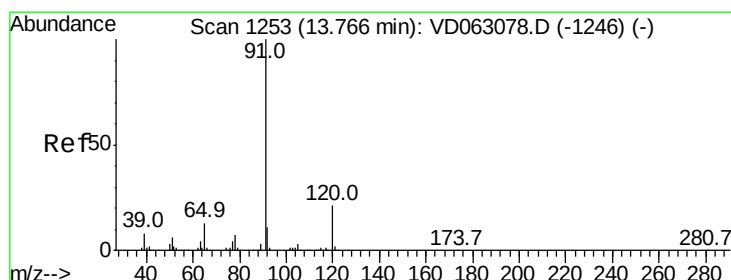
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Time-->



#78

n-propylbenzene

Concen: 5.917 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063075.D

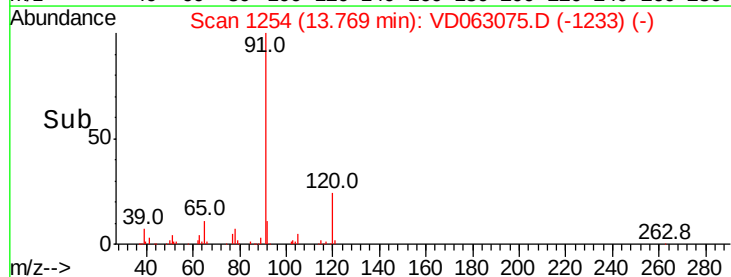
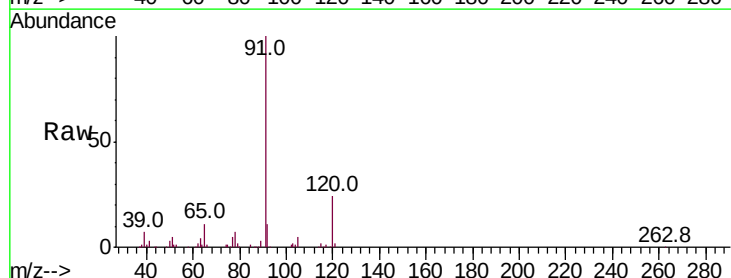
Acq: 15 Jul 2019 10:14

Tgt Ion: 91 Resp: 224328

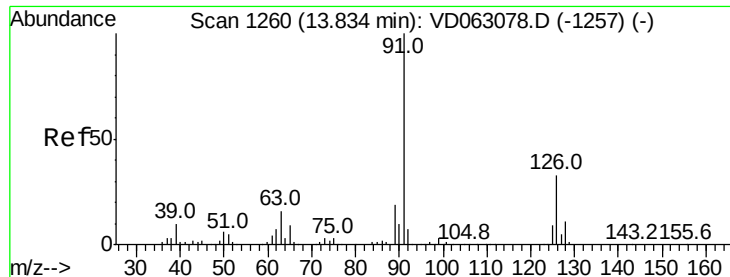
Ion Ratio Lower Upper

91 100

120 23.9 10.5 31.6



Time-->



#79

2-Chlorotoluene

Concen: 6.664 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 143820

Ion Ratio Lower Upper

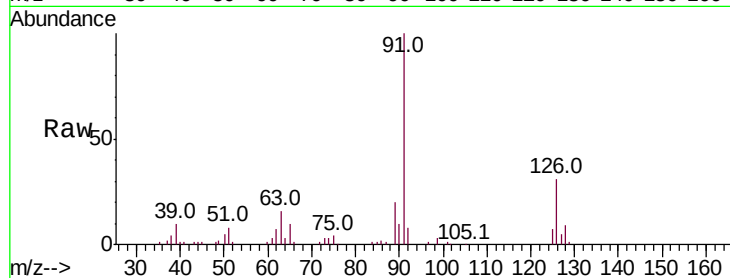
91 100

126 30.9 16.4 49.2

Manual Integrations
APPROVED

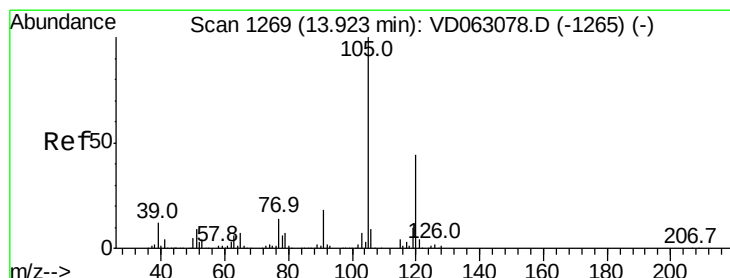
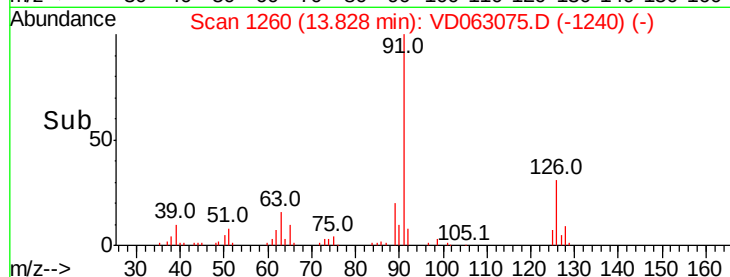
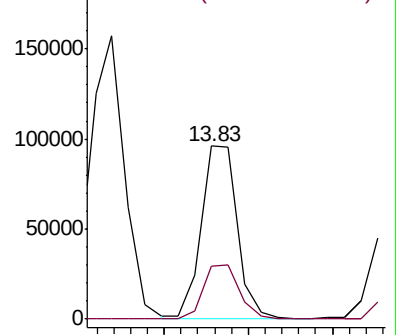
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 6.593 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063075.D

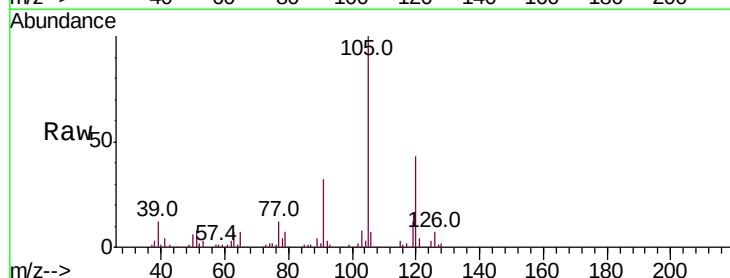
Acq: 15 Jul 2019 10:14

Tgt Ion:105 Resp: 179061

Ion Ratio Lower Upper

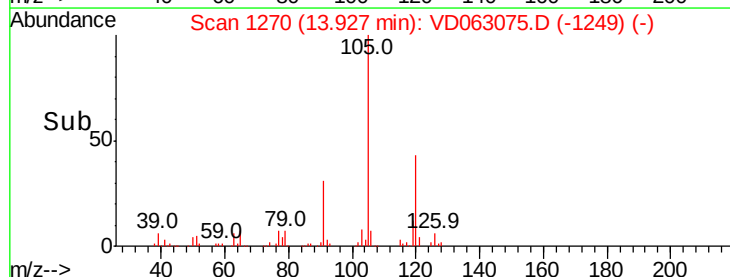
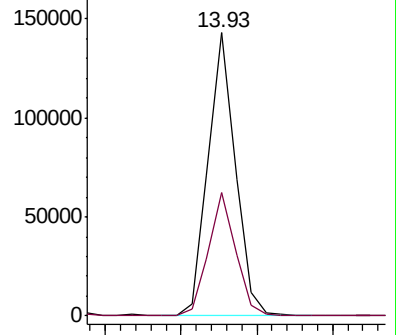
105 100

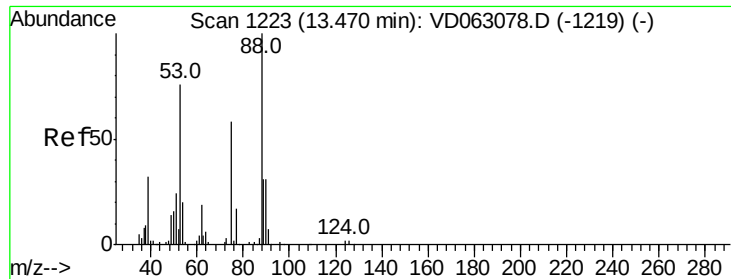
120 43.4 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 6.937 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 10823

Ion Ratio Lower Upper

75 100

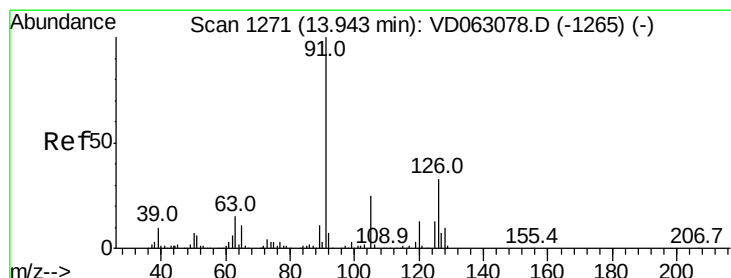
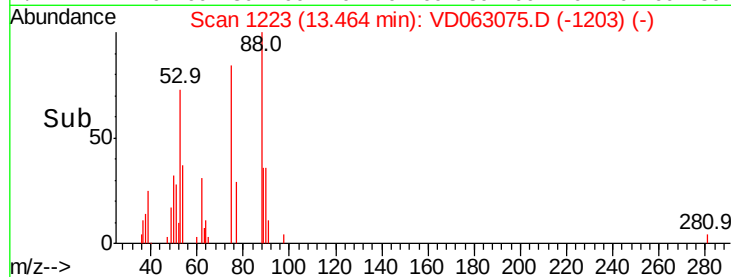
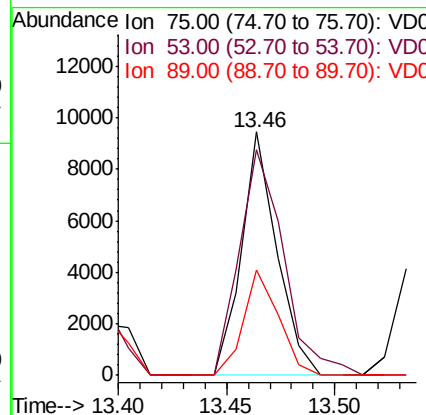
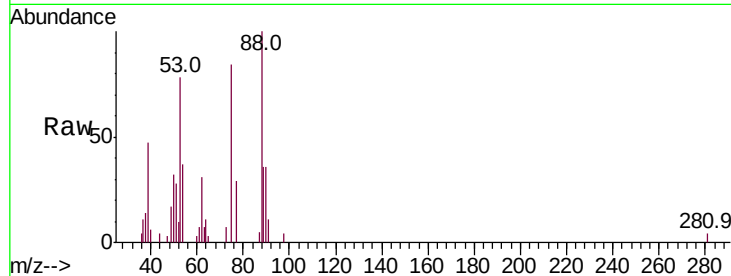
53 92.7 104.4 156.6#

89 43.0 43.1 64.7#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 6.449 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063075.D

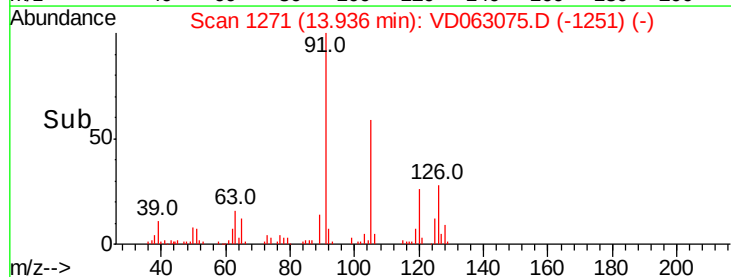
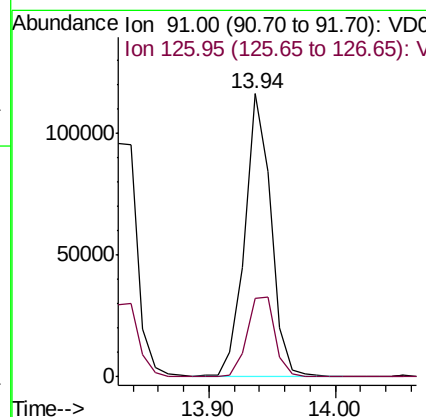
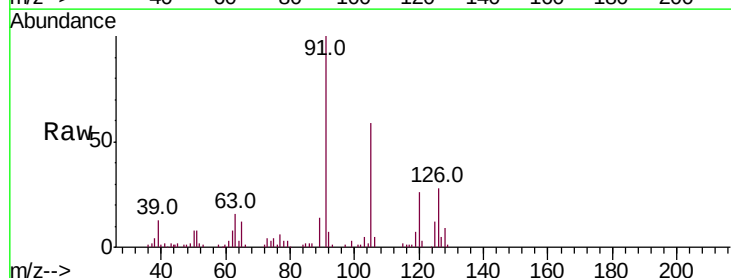
Acq: 15 Jul 2019 10:14

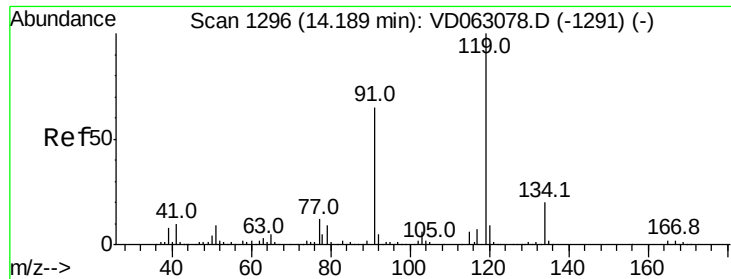
Tgt Ion: 91 Resp: 167256

Ion Ratio Lower Upper

91 100

126 27.6 16.7 50.1





#83

tert-Butylbenzene

Concen: 6.447 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

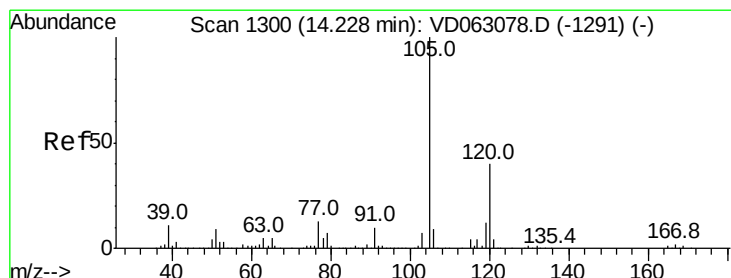
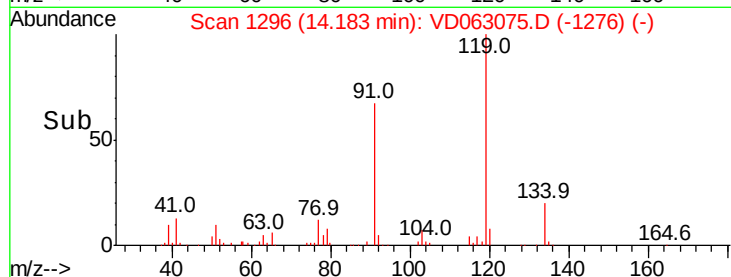
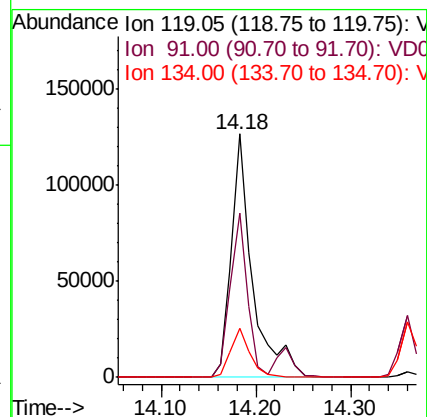
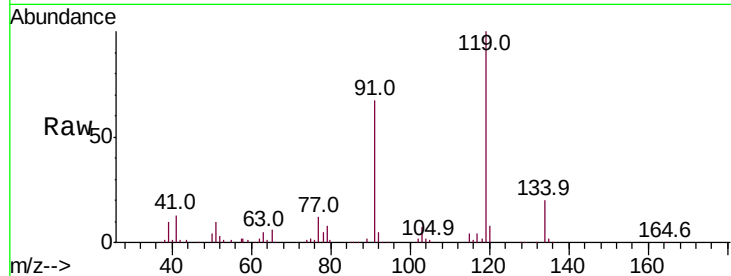
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	196456
Ion Ratio	Lower	Upper	
119	100		
91	67.5	32.4	97.2
134	20.0	10.2	30.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 5.981 ug/l

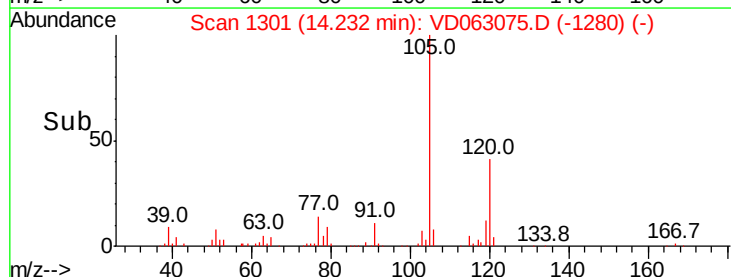
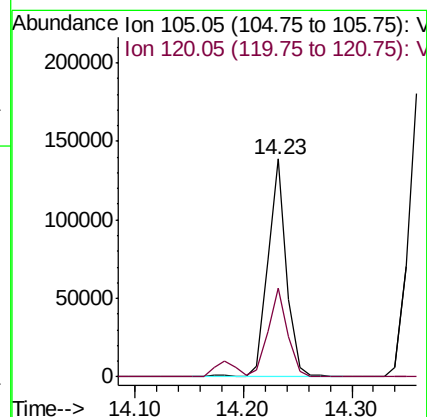
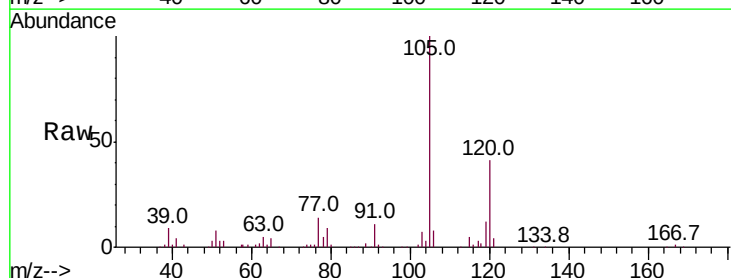
RT: 14.23 min Scan# 1301

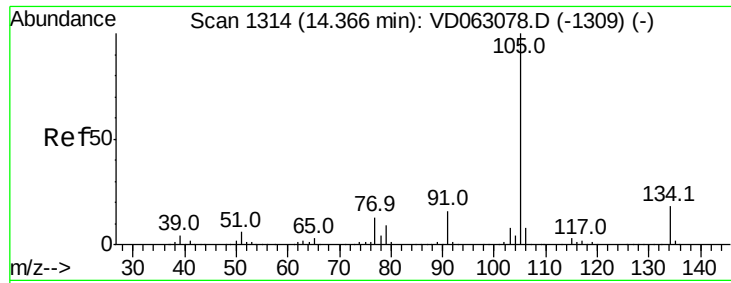
Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Tgt Ion:	105	Resp:	165330
Ion Ratio	Lower	Upper	
105	100		
120	40.9	20.2	60.6





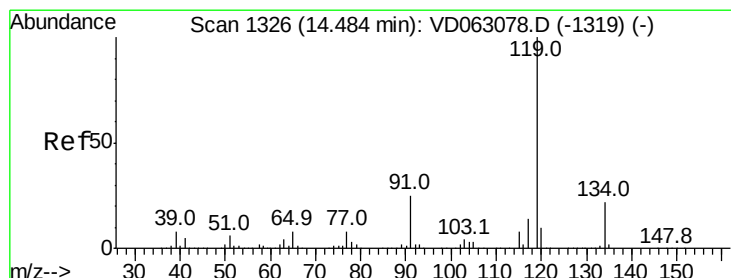
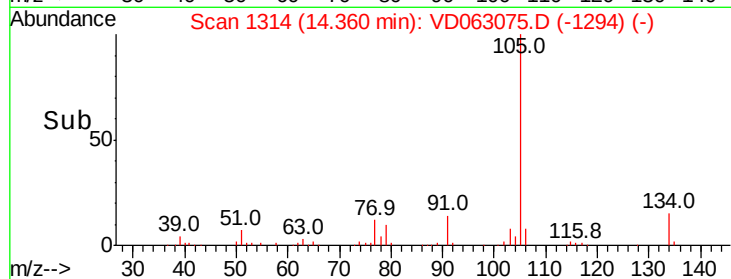
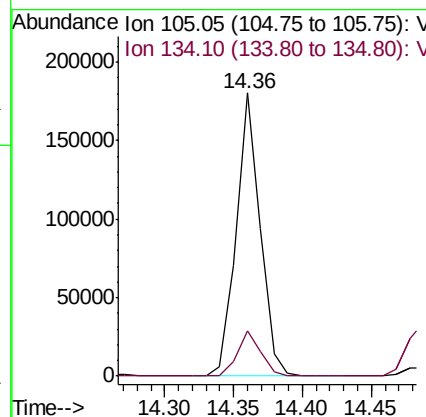
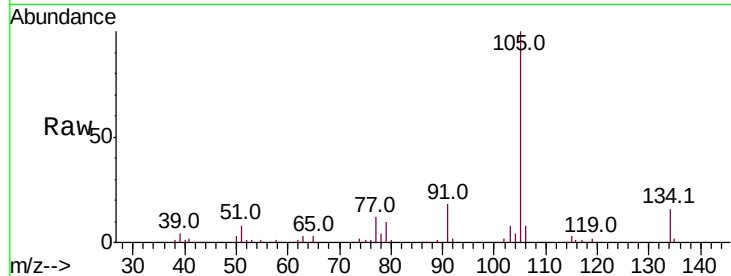
#85
 sec-Butylbenzene
 Concen: 6.567 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	16.0	8.9	26.8

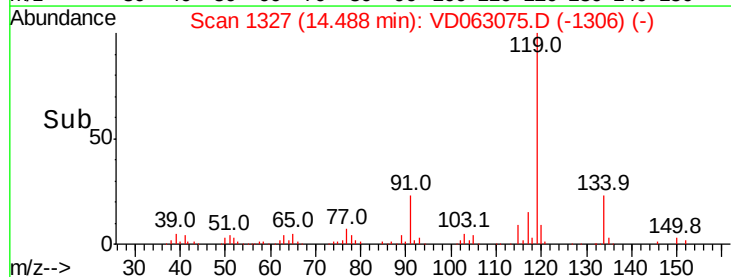
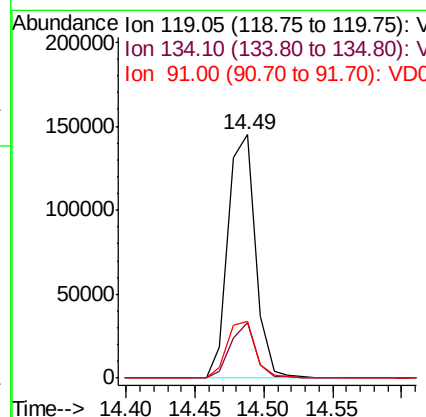
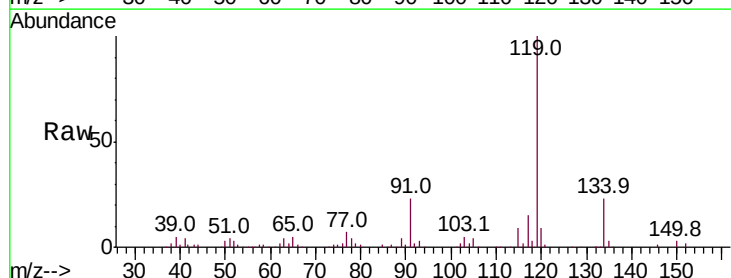
Manual Integrations
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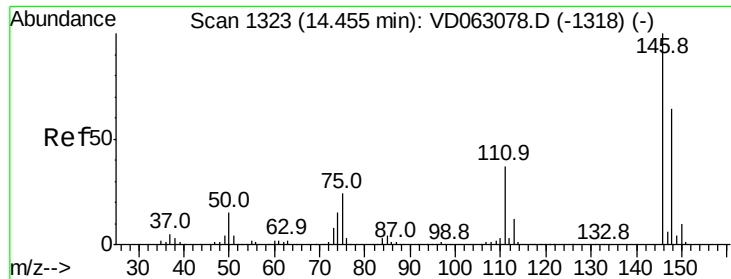
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#86
 p-Isopropyltoluene
 Concen: 6.746 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	22.7	10.8	32.4
91	23.2	12.5	37.5





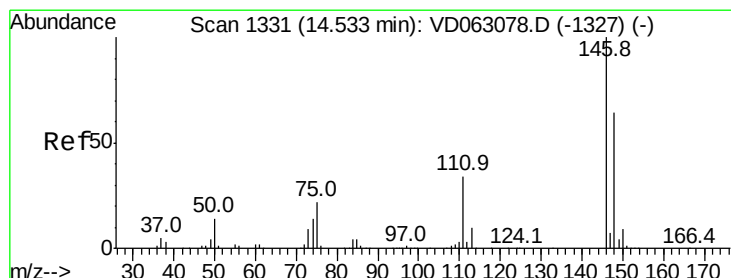
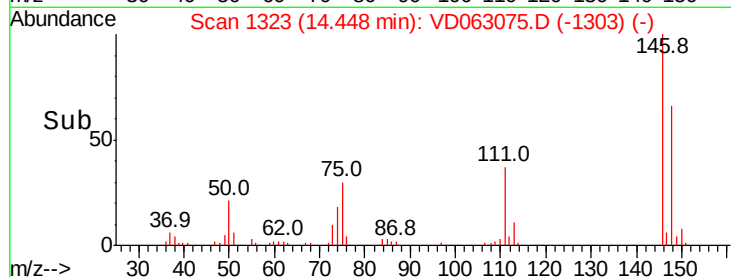
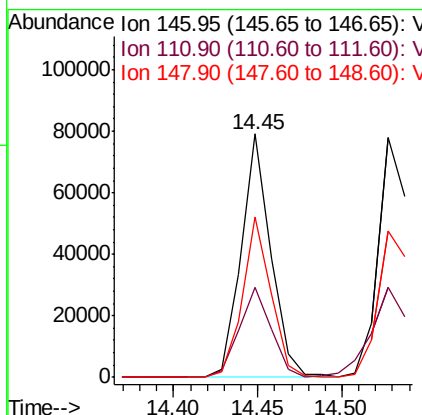
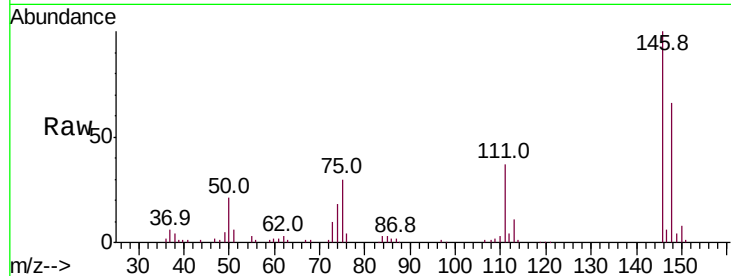
#87
 1,3-Dichlorobenzene
 Concen: 6.206 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.6
148	66.0	32.0	96.0

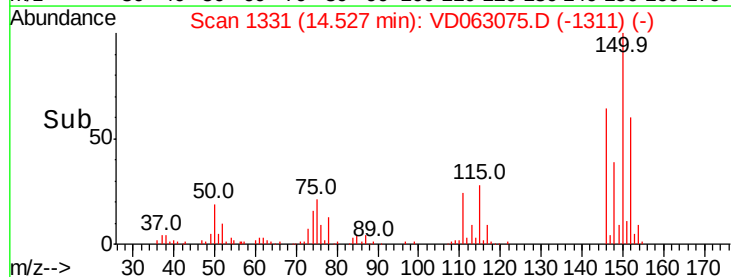
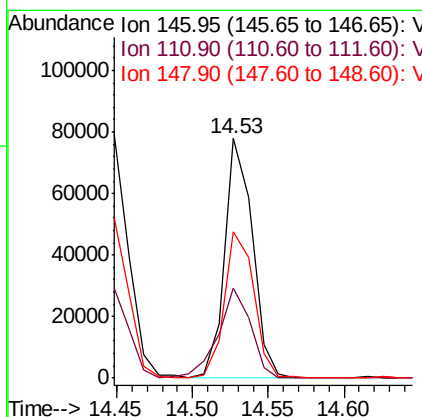
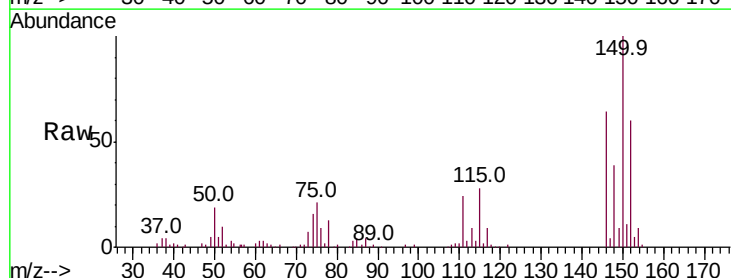
Manual Integrations
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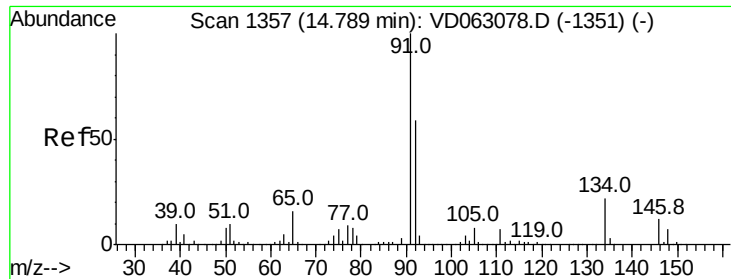
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#88
 1,4-Dichlorobenzene
 Concen: 6.386 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	17.0	51.0
148	61.4	32.0	96.2





#89

n-Butylbenzene

Concen: 6.406 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Instrument :

MSVOA_D

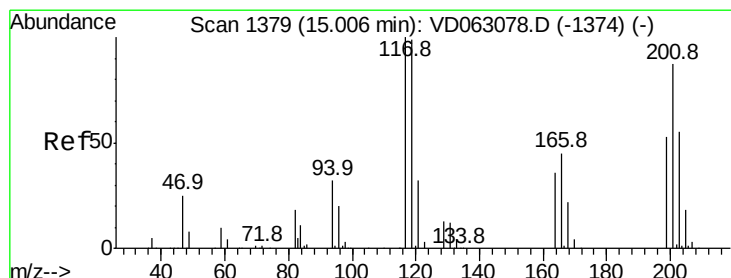
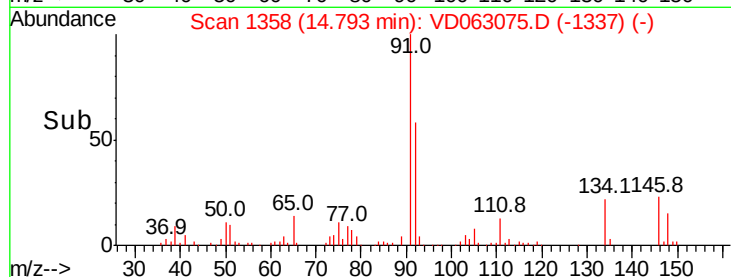
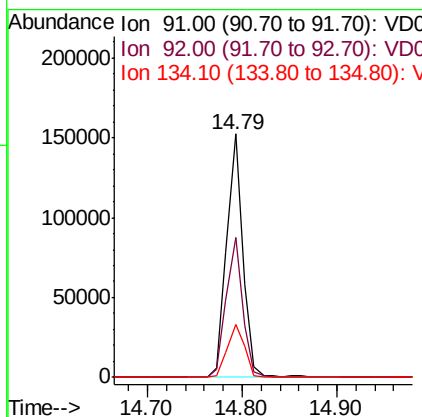
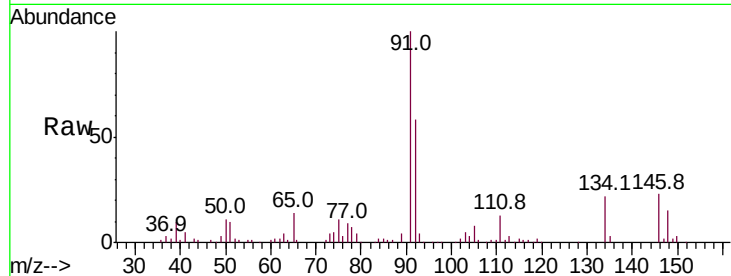
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	180992
Ion Ratio	Lower	Upper	
91	100		
92	57.6	29.4	88.3
134	22.0	11.3	33.8

Manual Integrations
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#90

Hexachloroethane

Concen: 6.237 ug/l

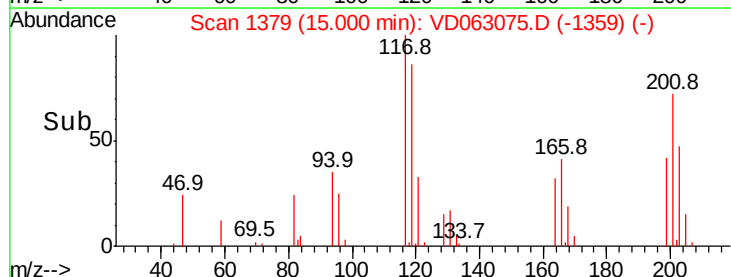
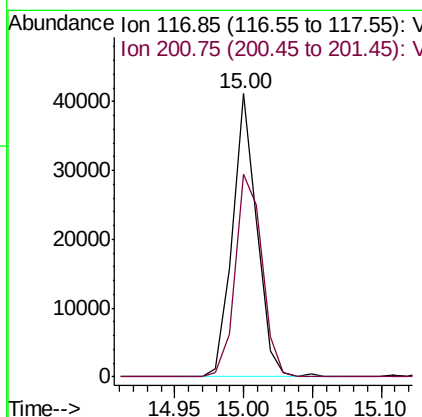
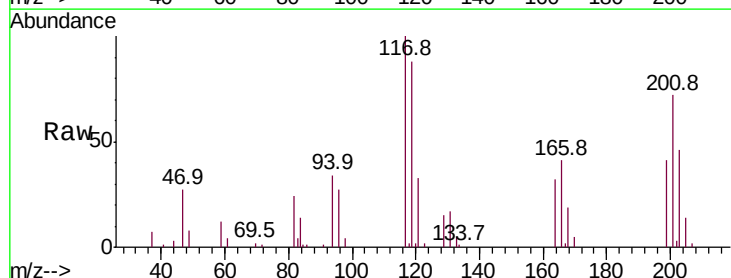
RT: 15.00 min Scan# 1379

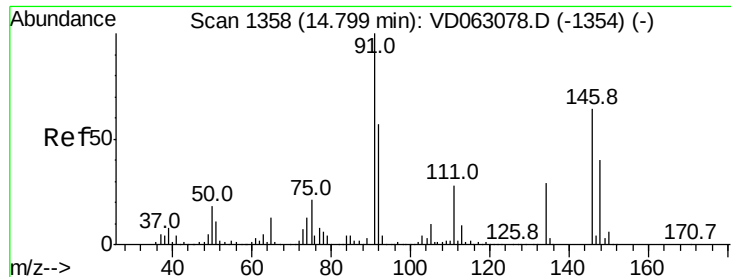
Delta R.T. -0.01 min

Lab File: VD063075.D

Acq: 15 Jul 2019 10:14

Tgt Ion:	117	Resp:	50462
Ion Ratio	Lower	Upper	
117	100		
201	71.6	43.4	130.1





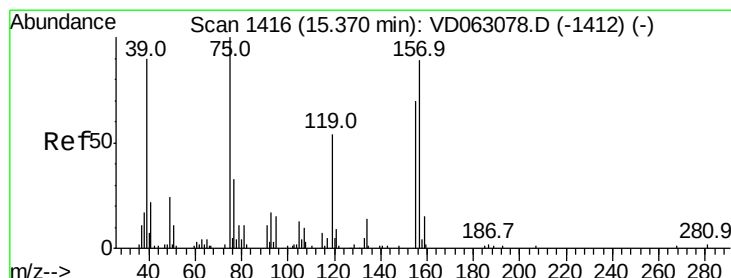
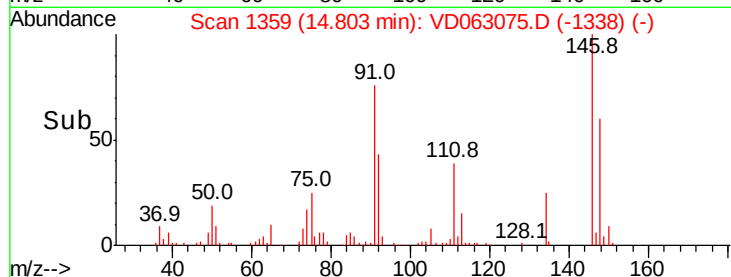
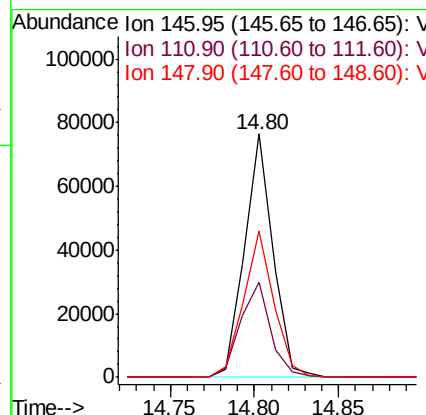
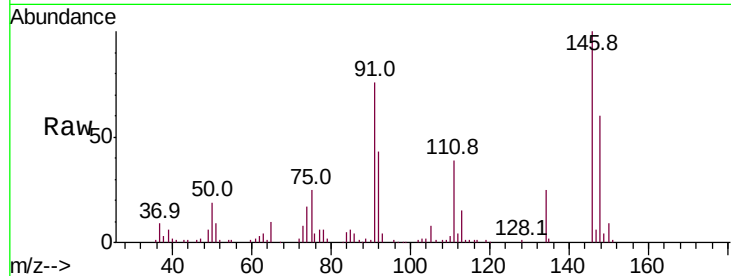
#91
 1,2-Dichlorobenzene
 Concen: 6.645 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.9	65.5
148	60.2	31.5	94.5

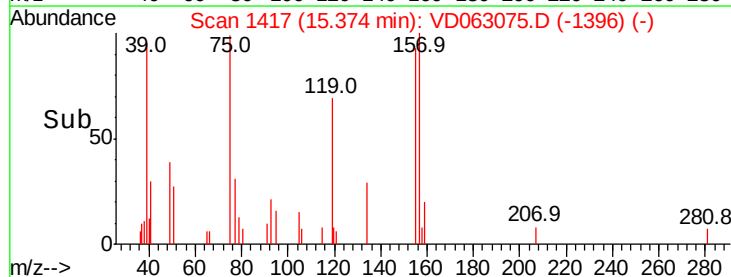
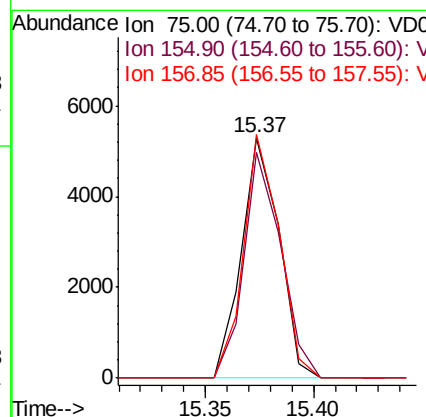
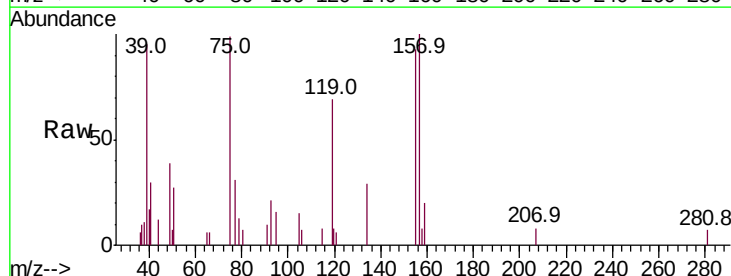
Manual Integrations
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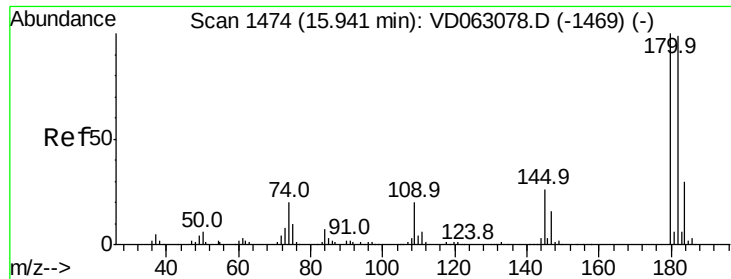
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.149 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	34.8	104.3
157	101.4	44.7	134.1





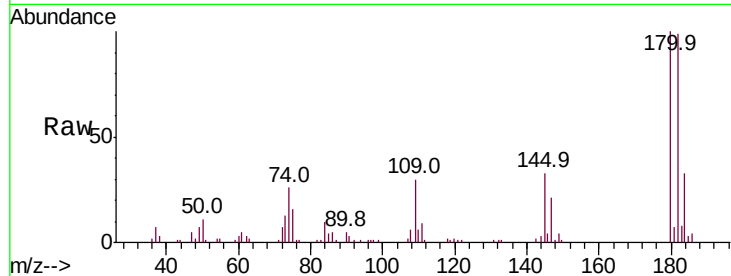
#93
 1,2,4-Trichlorobenzene
 Concen: 6.290 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

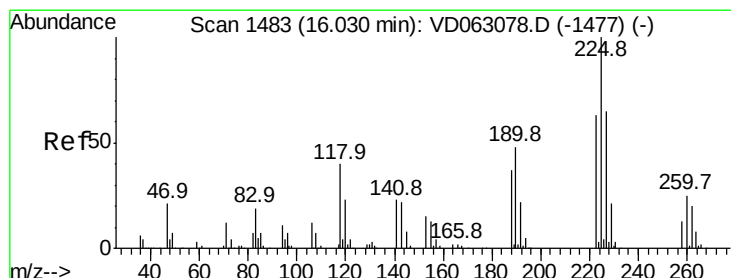
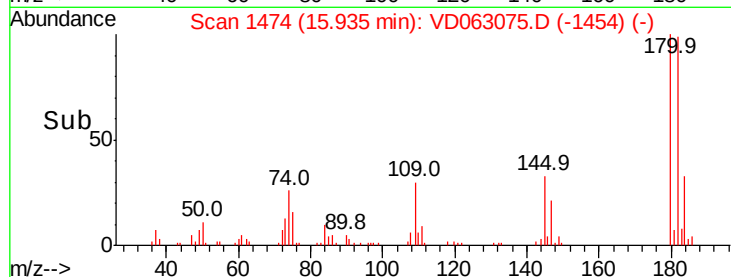
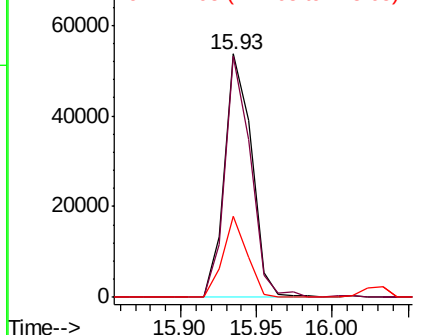
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.2	49.5	148.3
145	33.4	12.8	38.4

Manual Integrations
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 7/16/2019 9:14:56 AM

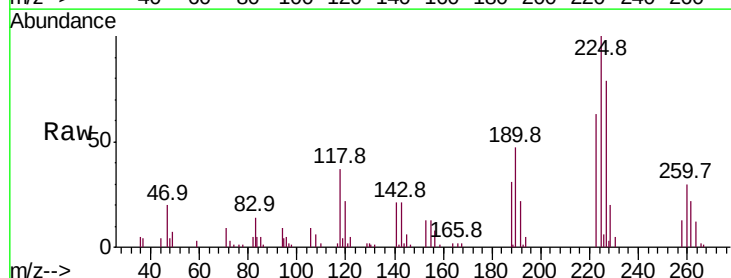


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

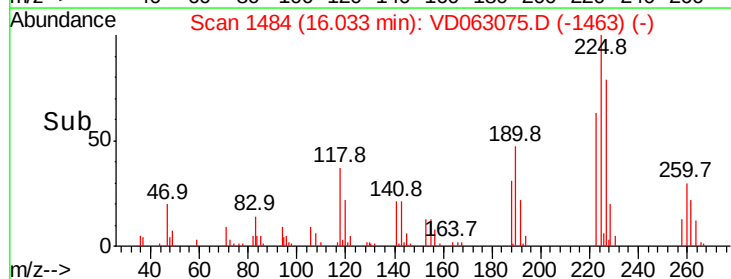
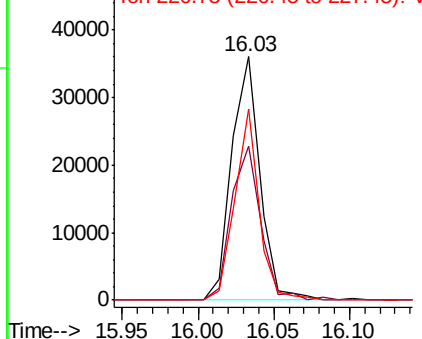


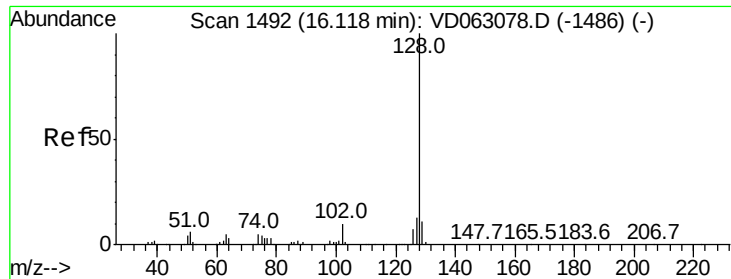
#94
 Hexachlorobutadiene
 Concen: 5.813 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063075.D
 Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.4	94.2
227	78.5	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





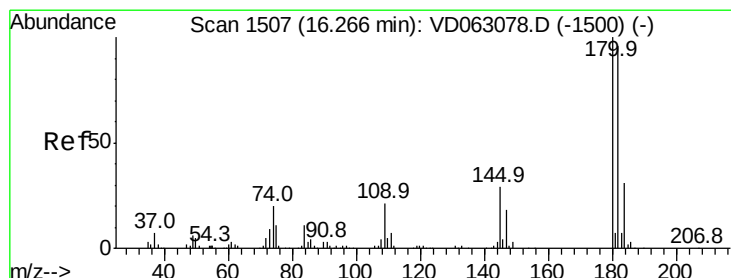
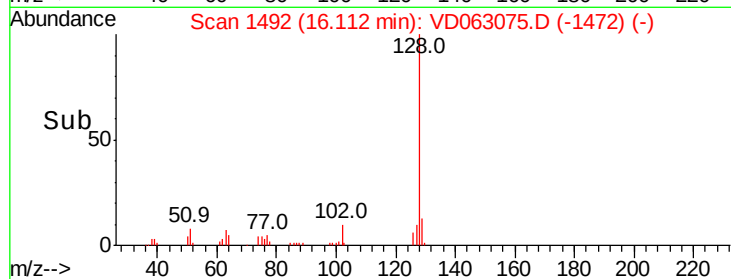
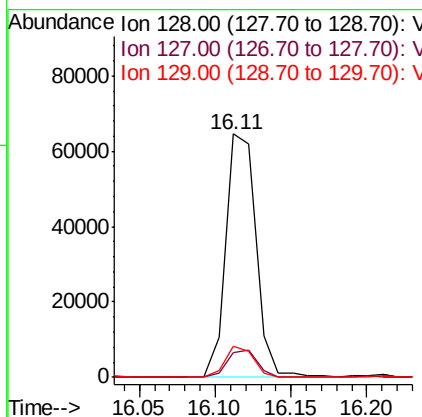
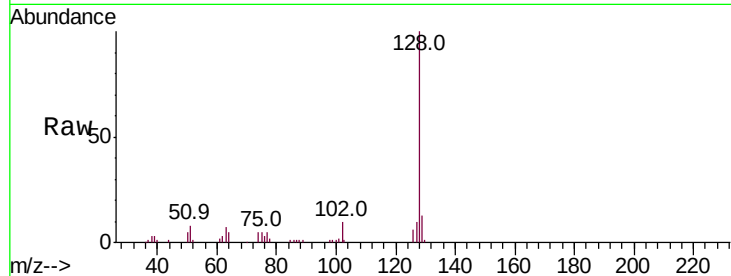
#95
Naphthalene
Concen: 6.087 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.3	10.7	16.1#
129	12.6	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 6.552 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063075.D
Acq: 15 Jul 2019 10:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.0	47.9	143.6
145	43.2	14.4	43.4

