

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\
 Data File : VD063987.D
 Acq On : 16 Oct 2019 15:07
 Operator : VA/SY
 Sample : K5394-10
 Misc : 7.71G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T-15-E1-(20)

Quant Time: Oct 16 18:08:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	1021	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.86	114	917	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.64	117	2004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	462	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	830	83.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.00%	
35) Dibromofluoromethane	7.91	113	484	86.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	172.74%	
50) Toluene-d8	10.35	98	2982	131.10	ug/l	0.01
Spiked Amount	50.000		Recovery	=	262.20%	
62) 4-Bromofluorobenzene	12.64	95	630	79.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.97	85	127	17.540	ug/l #	47
4) Vinyl Chloride	2.38	62	96	4.102	ug/l #	43
5) Bromomethane	2.76	94	59	3.922	ug/l #	5
6) Chloroethane	2.94	64	64	4.135	ug/l #	46
7) Trichlorofluoromethane	3.09	101	108	3.491	ug/l #	18
8) Diethyl Ether	3.49	74	61	12.283	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	4.27	101	55	6.422	ug/l #	16
10) Methyl Iodide	4.14	142	60	5.084	ug/l #	40
11) Tert butyl alcohol	5.27	59	71	97.936	ug/l #	1
13) Acrolein	3.97	56	72	81.099	ug/l #	23
14) Allyl chloride	4.68	41	53	3.725	ug/l #	1
15) Acrylonitrile	5.43	53	146	66.681	ug/l #	17
16) Acetone	4.17	43	62	23.957	ug/l #	42
17) Carbon Disulfide	4.56	76	95	3.054	ug/l #	79
18) Methyl Acetate	4.70	43	61	12.051	ug/l #	49
19) Methyl tert-butyl Ether	5.67	73	55	2.482	ug/l #	53
20) Methylene Chloride	5.05	84	60	2.357	ug/l #	7
21) trans-1,2-Dichloroethene	5.50	96	67	6.290	ug/l #	1
22) Diisopropyl ether	6.33	45	67	2.306	ug/l #	10
23) Vinyl Acetate	6.28	43	56	3.240	ug/l #	71
24) 1,1-Dichloroethane	6.40	63	76	4.247	ug/l #	82
25) 2-Butanone	7.16	43	55	17.933	ug/l #	51
26) 2,2-Dichloropropane	7.21	77	71	4.386	ug/l #	53
27) cis-1,2-Dichloroethene	7.33	96	69	5.723	ug/l #	1
28) Bromochloromethane	7.60	49	64	10.920	ug/l #	2
29) Tetrahydrofuran	7.55	42	176	98.315	ug/l #	31
31) Cyclohexane	7.90	56	95	2.640	ug/l #	12
32) 1,1,1-Trichloroethane	8.10	97	59	3.538	ug/l #	24
36) 1,1-Dichloropropene	8.11	75	181	21.588	ug/l #	41
37) Ethyl Acetate	7.30	43	57	14.090	ug/l #	68
39) Methylcyclohexane	9.19	83	60	5.820	ug/l #	18
40) Benzene	8.37	78	69	2.872	ug/l #	52
41) Methacrylonitrile	7.53	41	72	37.039	ug/l #	1
42) 1,2-Dichloroethane	8.27	62	90	12.949	ug/l #	1

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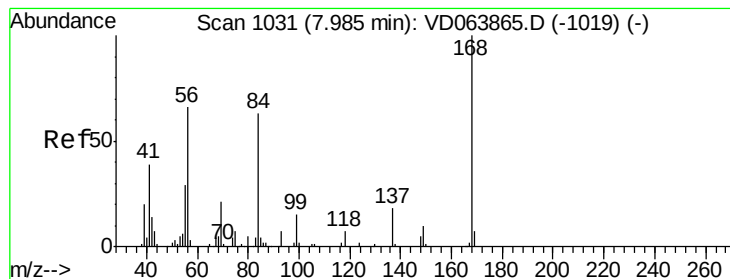
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Isopropyl Acetate	8.39	43	212	30.150	ug/l #	87
45) 1,2-Dichloropropane	9.46	63	73	12.413	ug/l #	41
46) Dibromomethane	9.60	93	54	16.123	ug/l #	3
47) Bromodichloromethane	9.71	83	61	7.074	ug/l #	26
48) Methyl methacrylate	9.46	41	113	33.541	ug/l #	1
49) 1,4-Dioxane	9.68	88	60	1312.402	ug/l #	24
51) 4-Methyl-2-Pentanone	10.21	43	97	26.600	ug/l #	34
53) t-1,3-Dichloropropene	10.66	75	55	6.536	ug/l #	1
54) cis-1,3-Dichloropropene	10.31	75	53	5.472	ug/l #	33
55) 1,1,2-Trichloroethane	10.78	97	179	37.851	ug/l #	14
56) Ethyl methacrylate	10.64	69	74	12.357	ug/l #	1
57) 1,3-Dichloropropane	10.92	76	102	12.606	ug/l #	57
58) 2-Chloroethyl Vinyl ether	9.90	63	78	30.301	ug/l #	1
59) 2-Hexanone	11.20	43	124	47.007	ug/l #	87
61) 1,2-Dibromoethane	11.07	107	67	14.614	ug/l #	3
64) Tetrachloroethene	11.04	164	57	4.166	ug/l #	1
67) Ethyl Benzene	11.75	91	133	1.833	ug/l #	44
68) m/p-Xylenes	11.74	106	57	2.035	ug/l #	73
69) o-Xylene	12.43	106	70	2.610	ug/l #	1
71) Bromoform	12.60	173	76	9.549	ug/l #	28
73) Isopropylbenzene	12.48	105	63	2.028	ug/l #	1
74) N-amyl acetate	12.30	43	57	8.524	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.48	83	55	10.177	ug/l #	1
76) 1,2,3-Trichloropropane	12.83	75	54	17.451	ug/l #	100
77) Bromobenzene	12.70	156	57	7.366	ug/l #	1
78) n-propylbenzene	12.79	91	81	2.222	ug/l #	51
79) 2-Chlorotoluene	12.79	91	81	4.030	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.95	105	54	2.084	ug/l #	26
81) trans-1,4-Dichloro-2-buten	12.64	75	551	315.106	ug/l #	12
82) 4-Chlorotoluene	12.79	91	81	3.799	ug/l #	38
84) 1,2,4-Trimethylbenzene	13.38	105	72	2.695	ug/l #	29
85) sec-Butylbenzene	13.38	105	72	2.312	ug/l #	55
87) 1,3-Dichlorobenzene	13.60	146	214	13.997	ug/l #	26
88) 1,4-Dichlorobenzene	13.60	146	214	14.188	ug/l #	25
89) n-Butylbenzene	13.85	91	236	8.604	ug/l #	32
91) 1,2-Dichlorobenzene	13.88	146	58	4.402	ug/l #	26
92) 1,2-Dibromo-3-Chloropropan	14.36	75	58	70.058	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.77	180	71	8.094	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

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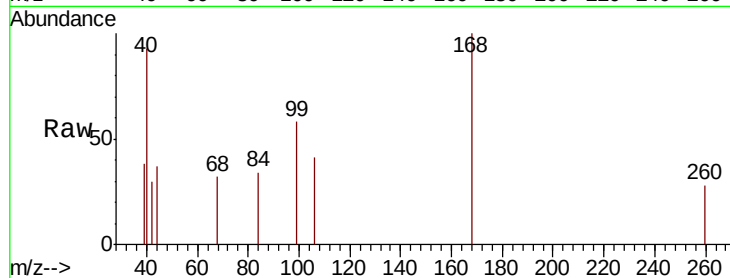
T-15-E1-(20)

Tot Ion:168 Resp: 1021

Ion Ratio Lower Upper

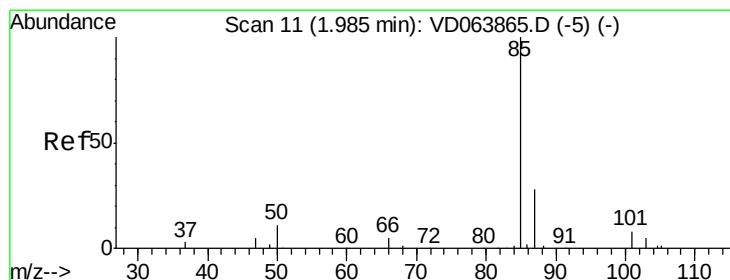
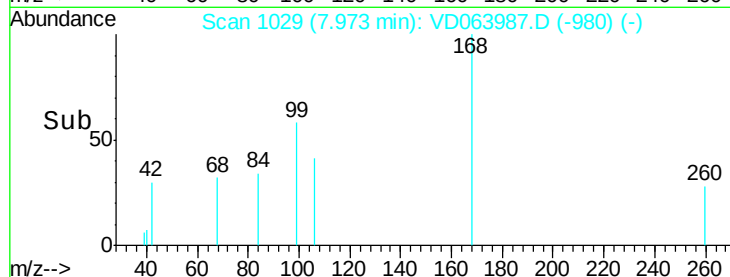
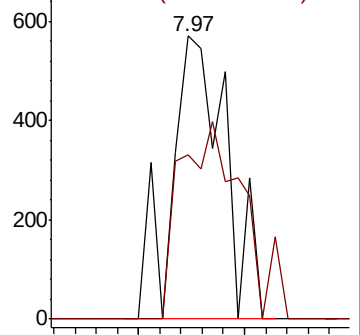
168 100

99 58.1 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 17.540 ug/l

RT: 1.97 min Scan# 9

Delta R.T. -0.01 min

Lab File: VD063987.D

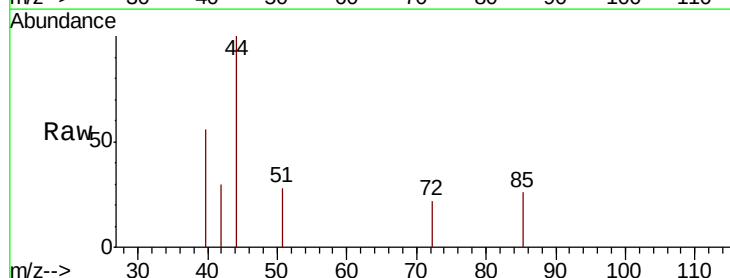
Acq: 16 Oct 2019 15:07

Tgt Ion: 85 Resp: 127

Ion Ratio Lower Upper

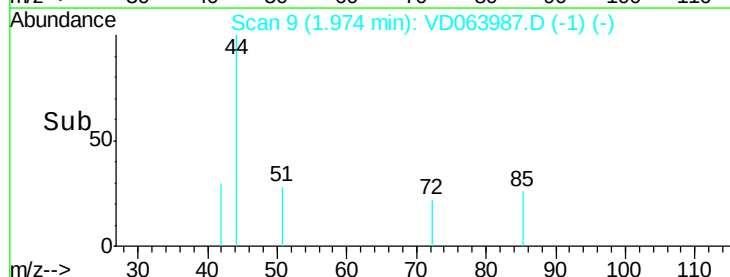
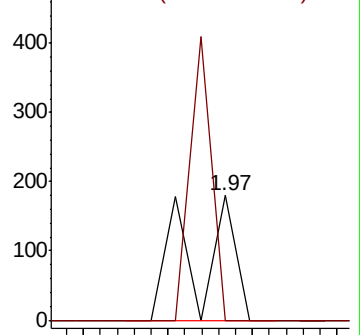
85 100

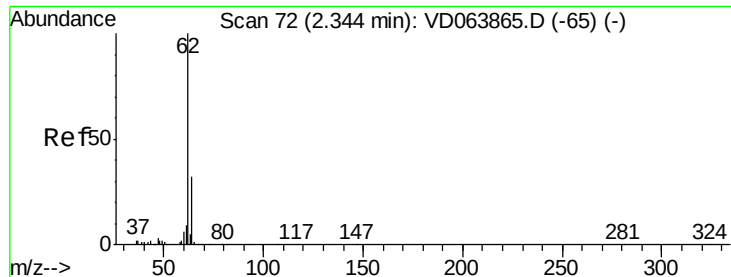
87 0.0 14.0 42.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#4

Vinyl Chloride

Concen: 4.102 ug/l

RT: 2.38 min Scan# 78

Delta R.T. 0.04 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

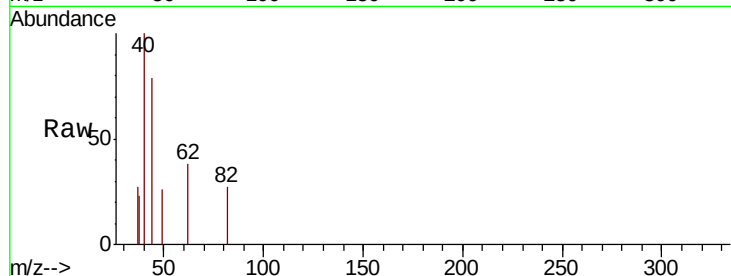
T-15-E1-(20)

Tot Ion: 62 Resp: 96

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

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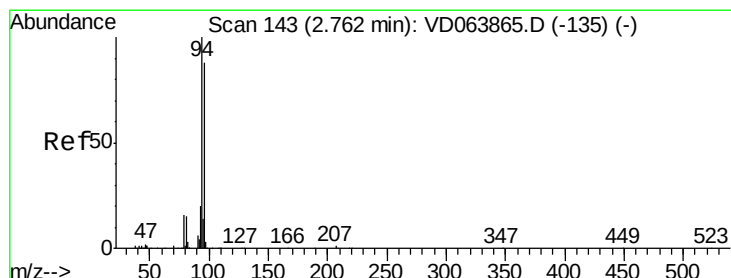
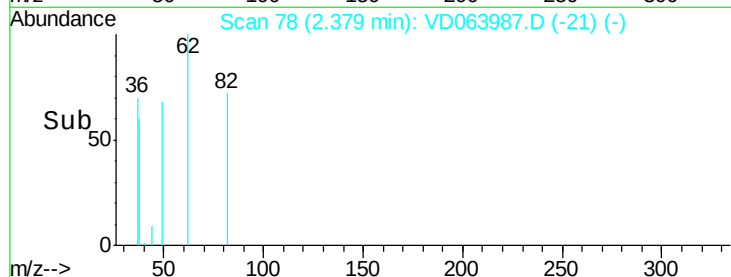
2.38

2.38

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2.38



#5

Bromomethane

Concen: 3.922 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.00 min

Lab File: VD063987.D

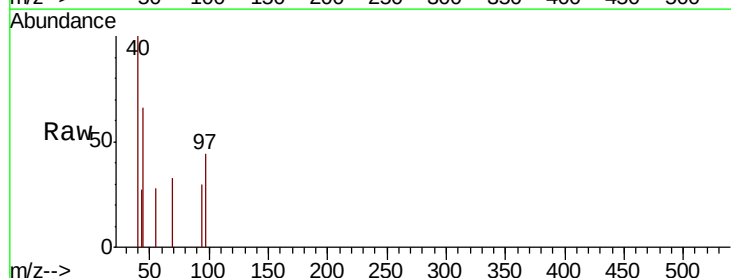
Acq: 16 Oct 2019 15:07

Tgt Ion: 94 Resp: 59

Ion Ratio Lower Upper

94 100

96 0.0 70.8 106.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

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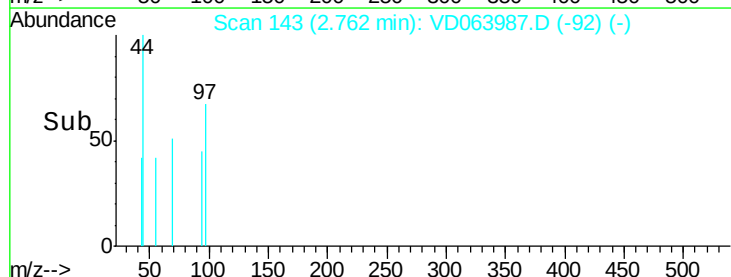
2.76

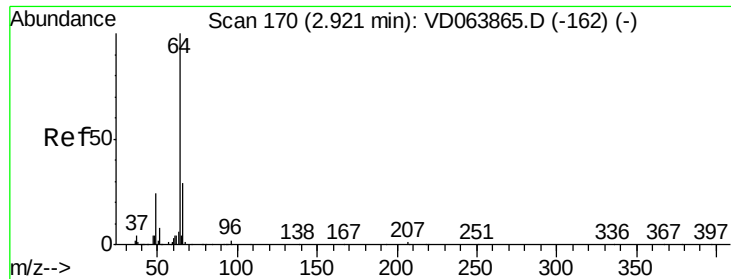
2.76

2.76

2.76

2.76





#6

Chloroethane

Concen: 4.135 ug/l

RT: 2.94 min Scan# 173

Delta R.T. 0.02 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

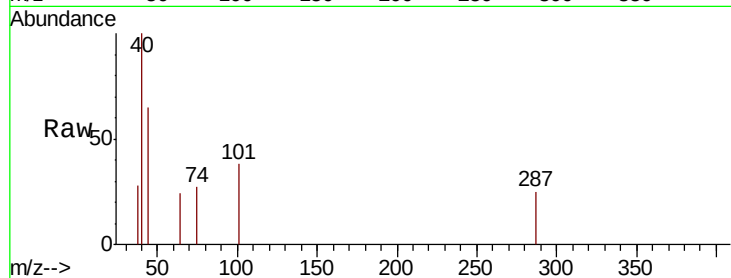
T-15-E1-(20)

Tot Ion: 64 Resp: 64

Ion Ratio Lower Upper

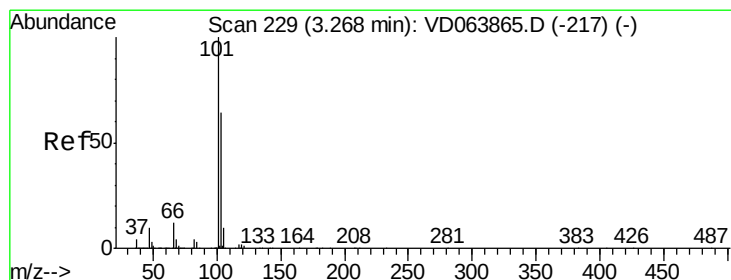
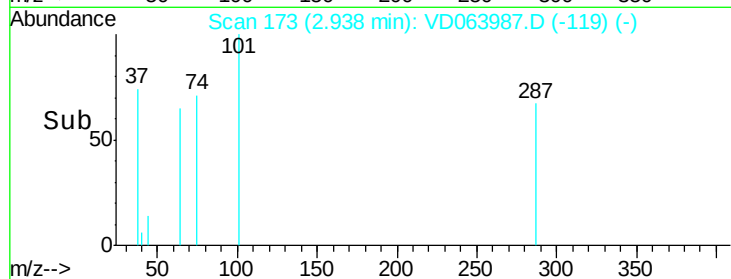
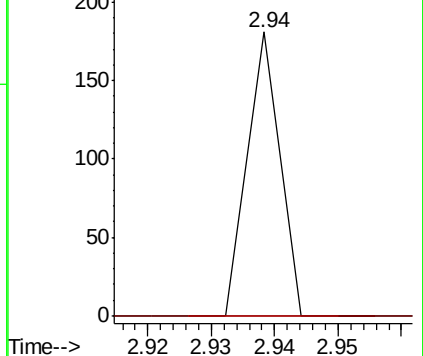
64 100

66 0.0 23.0 34.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



#7

Trichlorofluoromethane

Concen: 3.491 ug/l

RT: 3.09 min Scan# 198

Delta R.T. -0.18 min

Lab File: VD063987.D

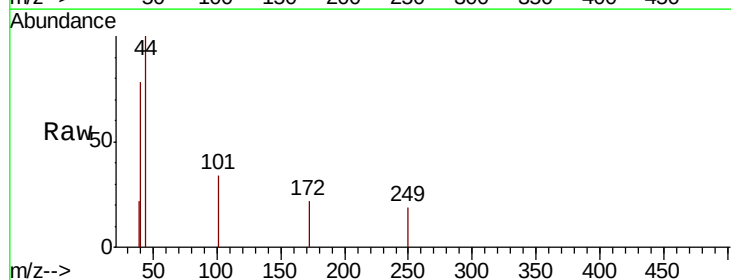
Acq: 16 Oct 2019 15:07

Tgt Ion: 101 Resp: 108

Ion Ratio Lower Upper

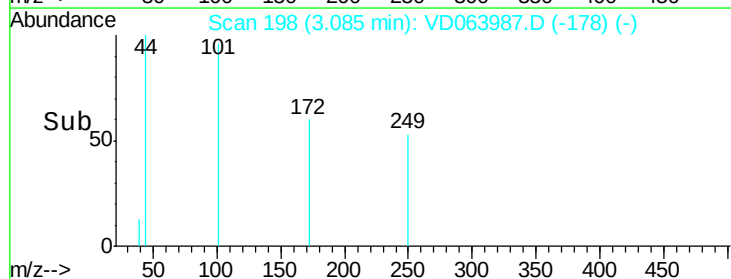
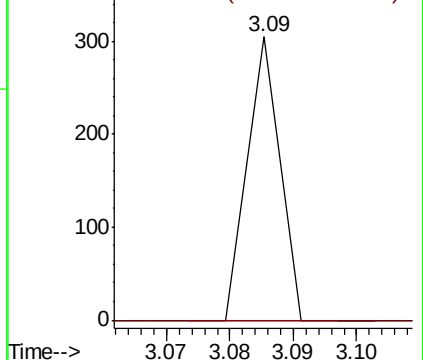
101 100

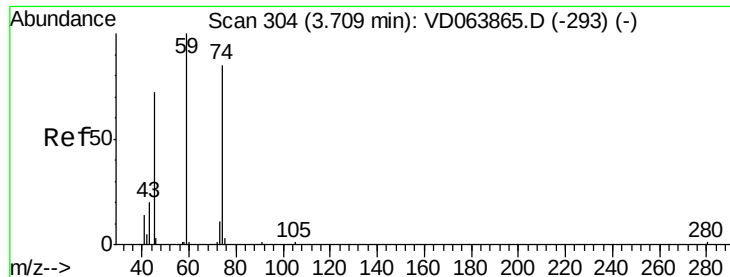
103 0.0 51.1 76.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#8

Diethyl Ether

Concen: 12.283 ug/l

RT: 3.49 min Scan# 266

Delta R.T. -0.22 min

Lab File: VD063987.D

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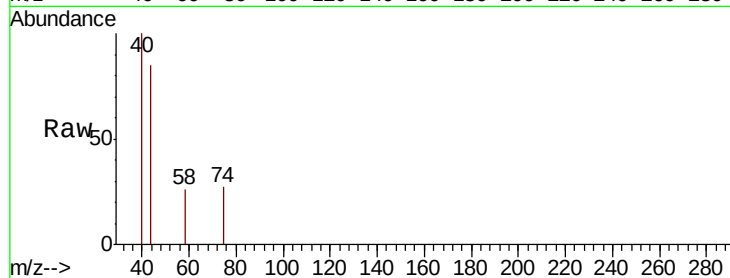
T-15-E1-(20)

Tot Ion: 74 Resp: 61

Ion Ratio Lower Upper

74 100

45 121.3 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

250

200

150

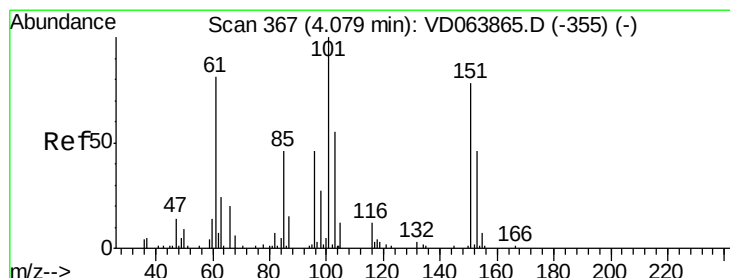
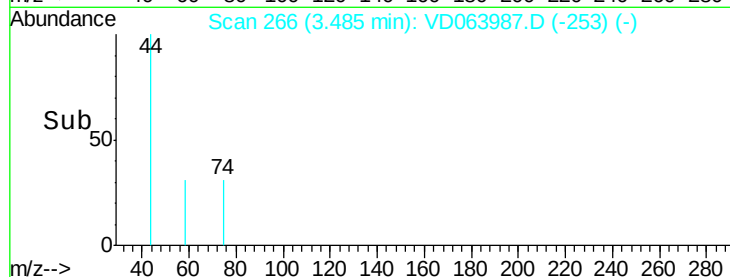
100

50

0

3.47 3.48 3.49 3.50

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.422 ug/l

RT: 4.27 min Scan# 400

Delta R.T. 0.19 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

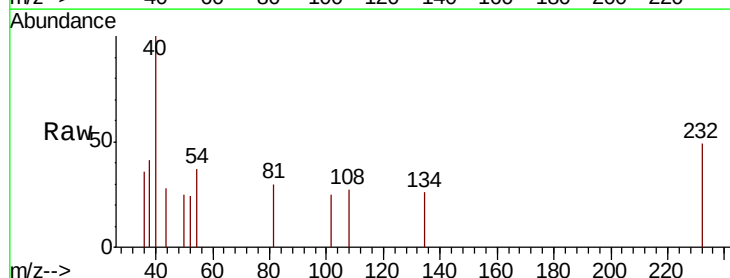
Tgt Ion: 101 Resp: 55

Ion Ratio Lower Upper

101 100

85 0.0 37.5 56.3#

151 0.0 65.5 98.3#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VDC

Ion 150.80 (150.50 to 151.50): V

200

150

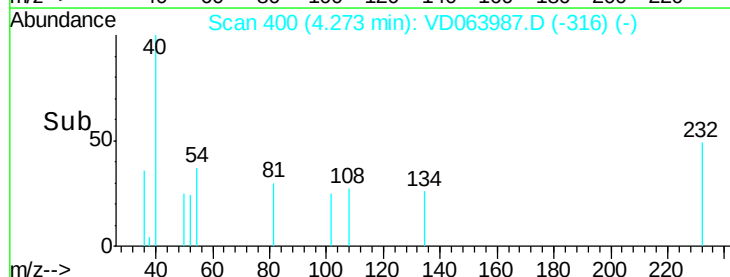
100

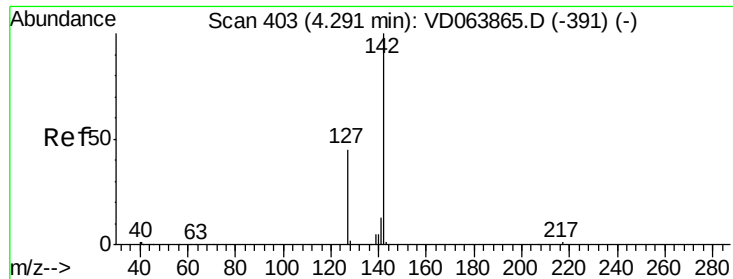
50

0

4.25 4.26 4.27 4.28 4.29

Time-->

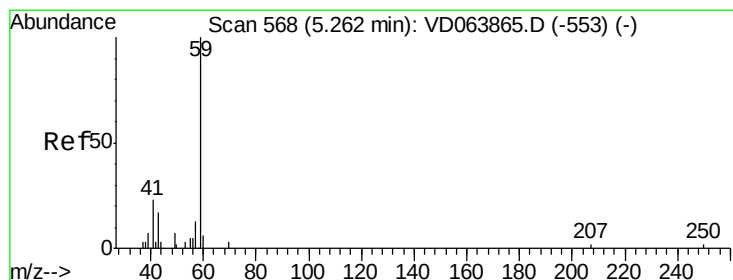
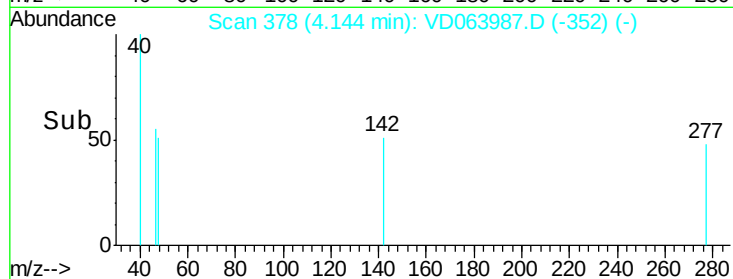
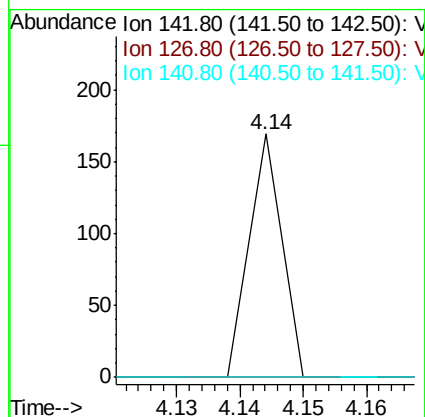
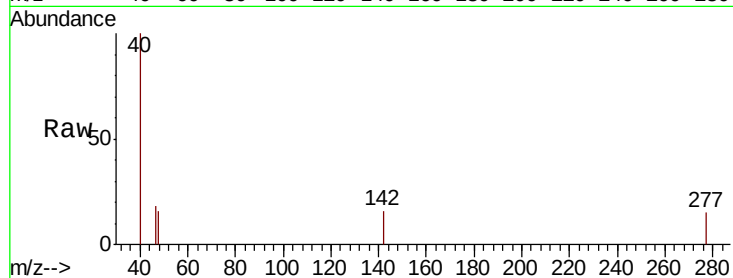




#10
Methyl Iodide
Concen: 5.084 ug/l
RT: 4.14 min Scan# 378
Delta R.T. -0.15 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

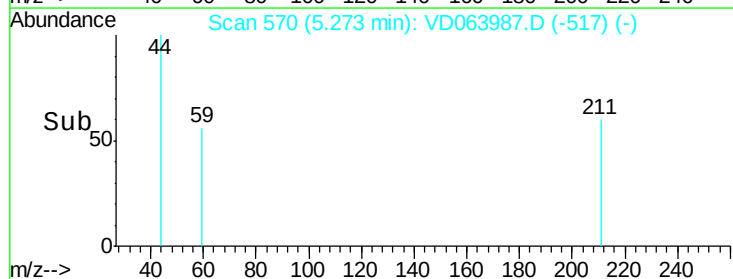
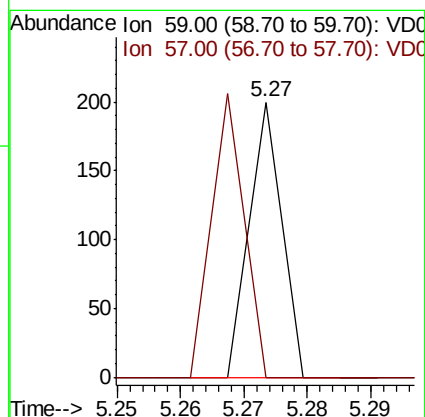
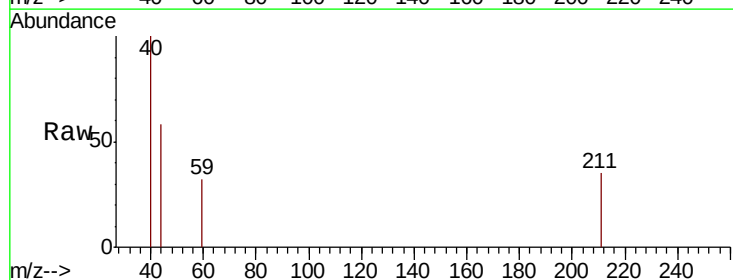
Instrument :
MSVOA_D
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T-15-E1-(20)

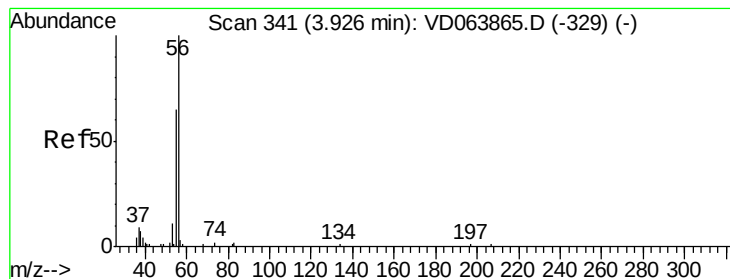
Tot Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 12.2 18.2#



#11
Tert butyl alcohol
Concen: 97.936 ug/l
RT: 5.27 min Scan# 570
Delta R.T. 0.01 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

Tgt Ion: 59 Resp: 71
Ion Ratio Lower Upper
59 100
57 102.8 8.8 13.2#





#13

Acrolein

Concen: 81.099 ug/l

RT: 3.97 min Scan# 348

Delta R.T. 0.04 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

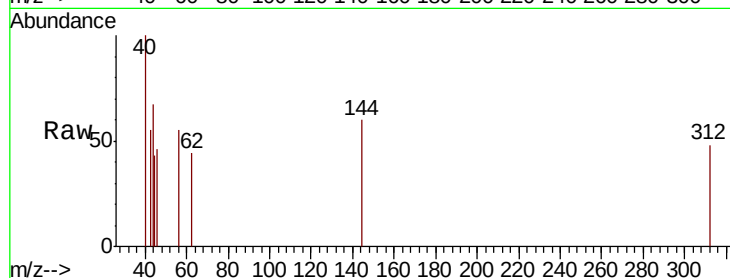
T-15-E1-(20)

Tot Ion: 56 Resp: 72

Ion Ratio Lower Upper

56 100

55 127.8 53.0 79.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

300

250

200

150

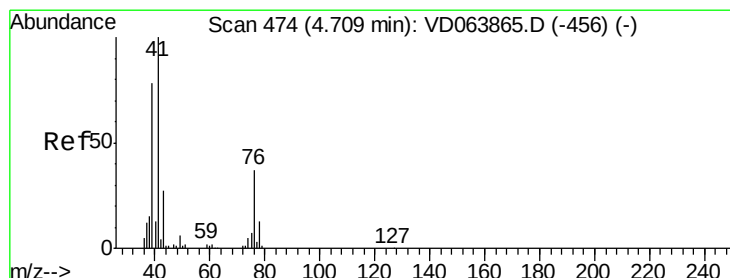
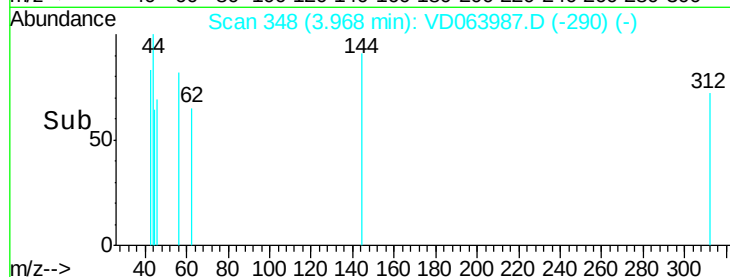
100

50

0

3.95 3.96 3.97 3.98

Time-->



#14

Allyl chloride

Concen: 3.725 ug/l

RT: 4.68 min Scan# 469

Delta R.T. -0.03 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

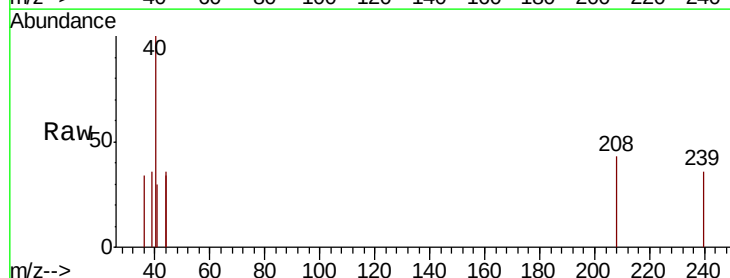
Tgt Ion: 41 Resp: 53

Ion Ratio Lower Upper

41 100

39 922.6 61.8 92.6#

76 0.0 31.3 46.9#



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

300

250

200

150

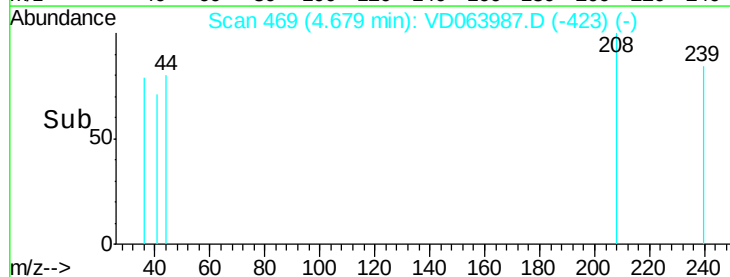
100

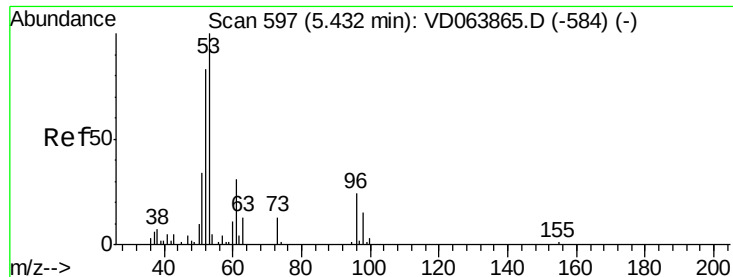
50

0

4.66 4.67 4.68 4.69

Time-->





#15

Acrylonitrile

Concen: 66.681 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

T-15-E1-(20)

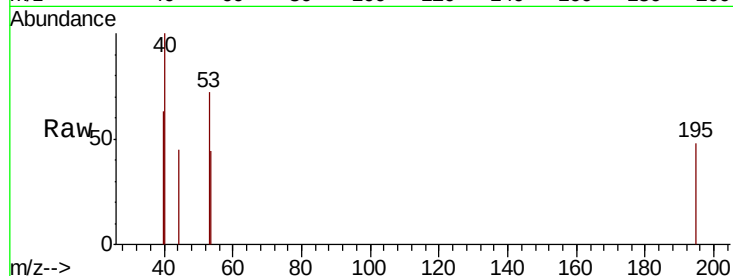
Tot Ion: 53 Resp: 146

Ion Ratio Lower Upper

53 100

52 0.0 67.3 100.9#

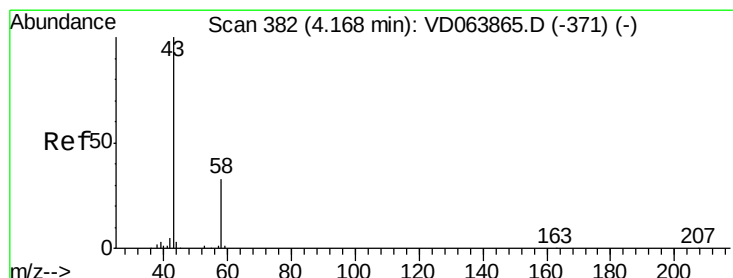
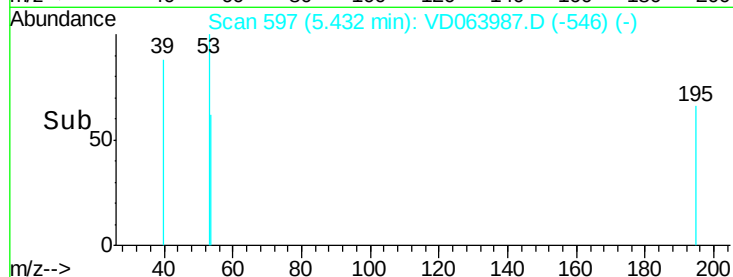
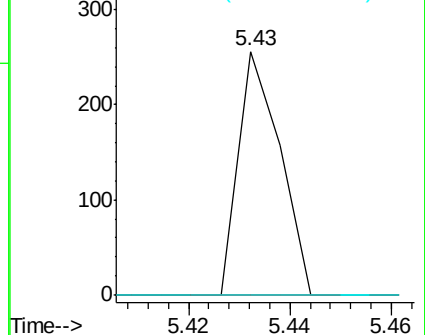
51 0.0 30.5 45.7#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 23.957 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063987.D

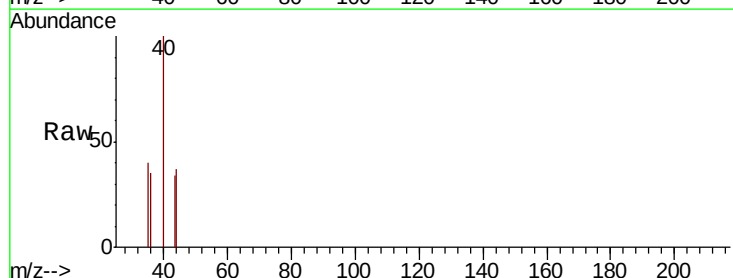
Acq: 16 Oct 2019 15:07

Tgt Ion: 43 Resp: 62

Ion Ratio Lower Upper

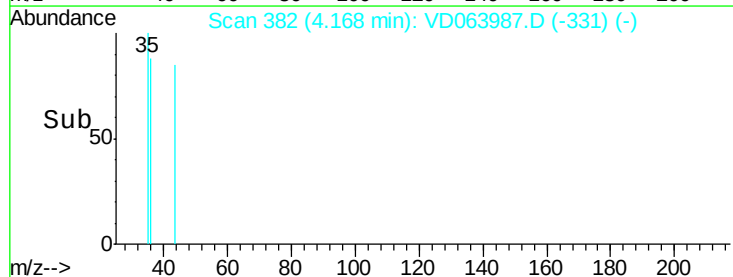
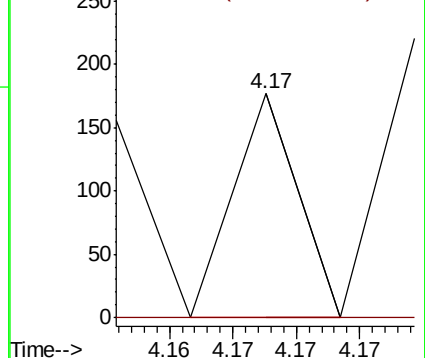
43 100

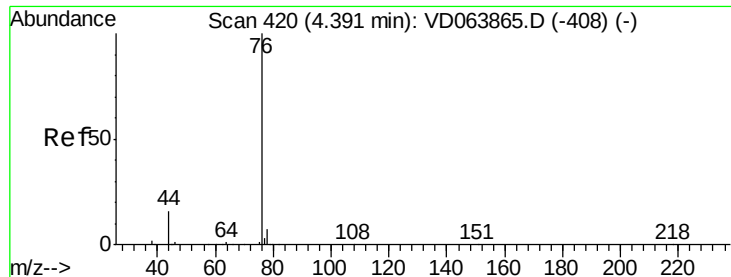
58 0.0 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 3.054 ug/l

RT: 4.56 min Scan# 449

Delta R.T. 0.17 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

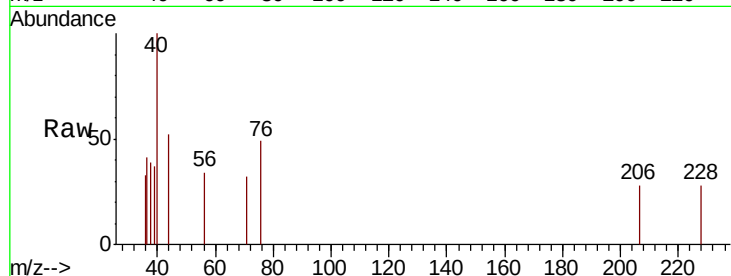
T-15-E1-(20)

Tot Ion: 76 Resp: 95

Ion Ratio Lower Upper

76 100

78 0.0 5.8 8.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.56

250

200

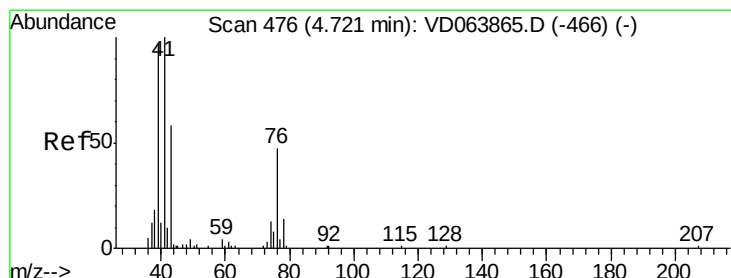
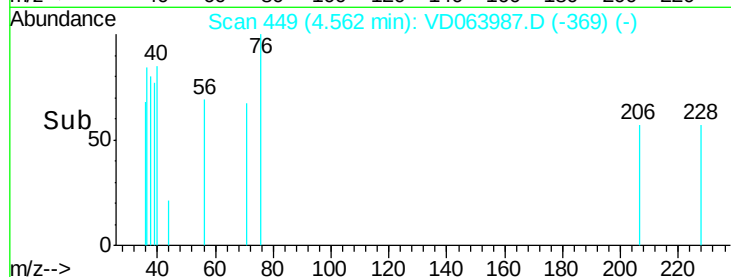
150

100

50

0

Time--> 4.54 4.55 4.56 4.57 4.58



#18

Methyl Acetate

Concen: 12.051 ug/l

RT: 4.70 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD063987.D

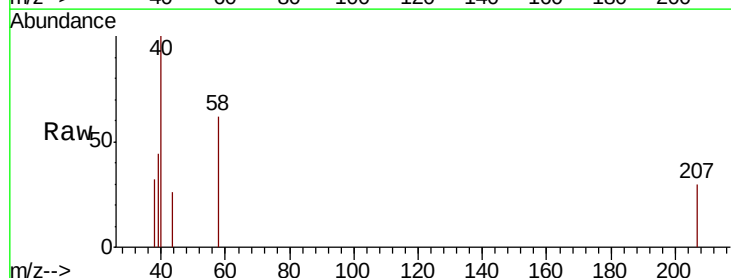
Acq: 16 Oct 2019 15:07

Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

74 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.70

200

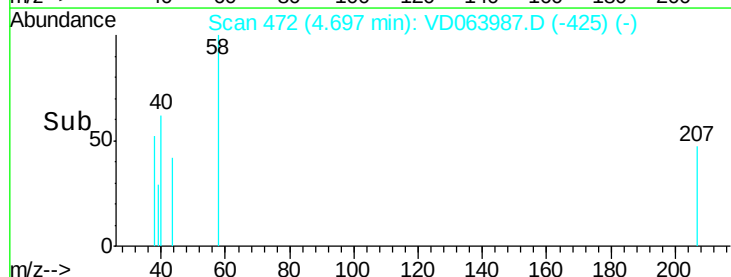
150

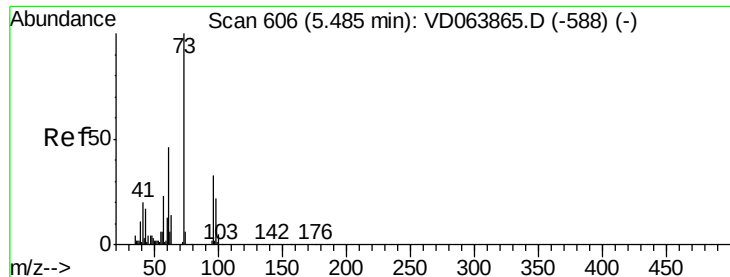
100

50

0

Time--> 4.68 4.69 4.70 4.71



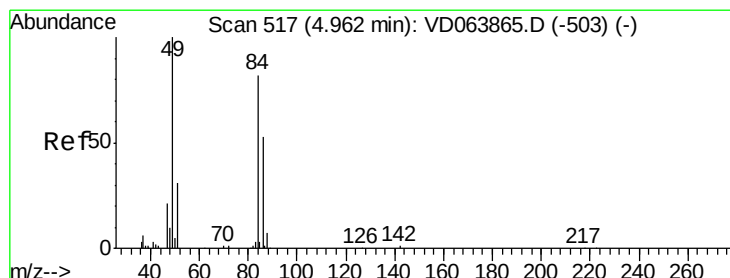
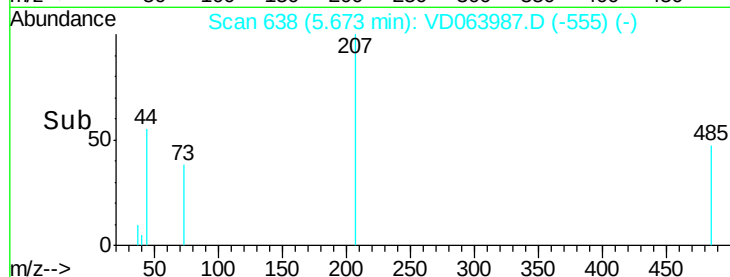
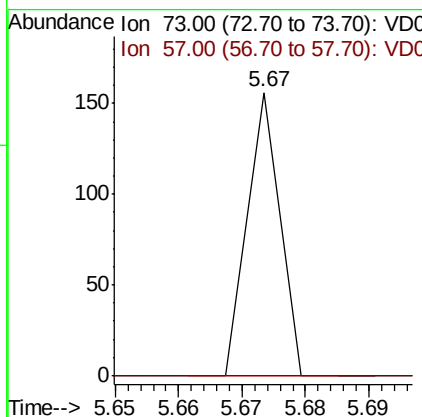
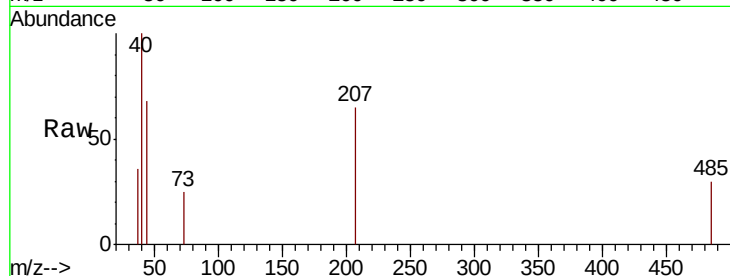


#19

Methyl tert-butyl Ether
 Concen: 2.482 ug/l
 RT: 5.67 min Scan# 638
 Delta R.T. 0.19 min
 Lab File: VD063987.D
 Acq: 16 Oct 2019 15:07

Instrument :
 MSVOA_D
 ClientSampleId :
 T-15-E1-(20)

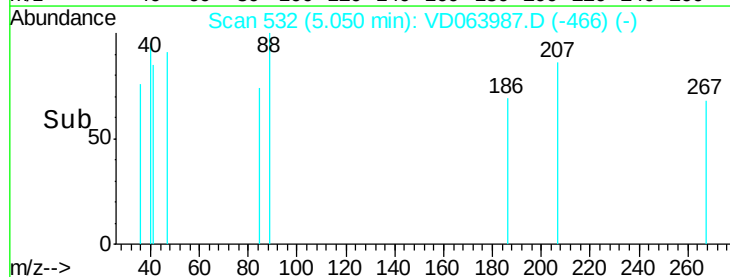
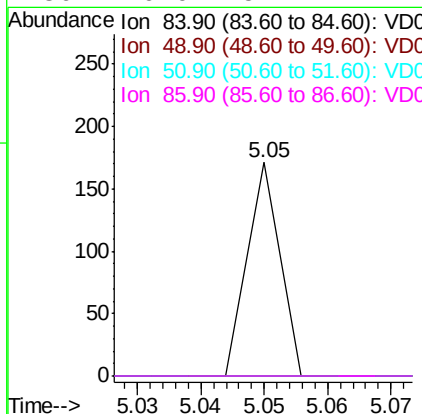
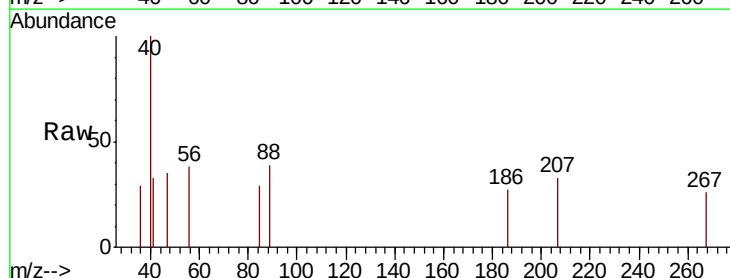
Tot Ion: 73 Resp: 55
 Ion Ratio Lower Upper
 73 100
 57 0.0 18.1 27.1#

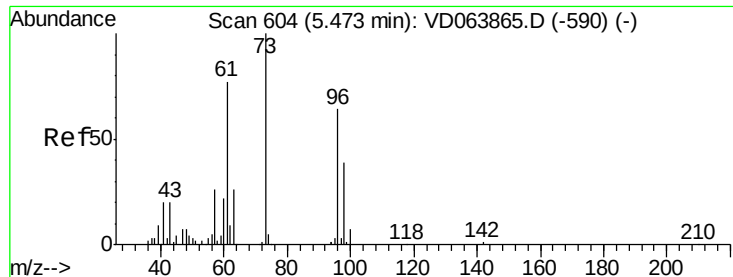


#20

Methylene Chloride
 Concen: 2.357 ug/l
 RT: 5.05 min Scan# 532
 Delta R.T. 0.09 min
 Lab File: VD063987.D
 Acq: 16 Oct 2019 15:07

Tgt Ion: 84 Resp: 60
 Ion Ratio Lower Upper
 84 100
 49 0.0 97.3 145.9#
 51 0.0 30.1 45.1#
 86 0.0 51.4 77.2#





#21

trans-1,2-Dichloroethene

Concen: 6.290 ug/l

RT: 5.50 min Scan# 608

Delta R.T. 0.02 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

T-15-E1-(20)

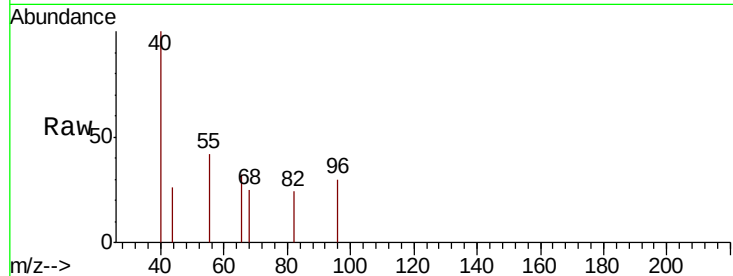
Tot Ion: 96 Resp: 67

Ion Ratio Lower Upper

96 100

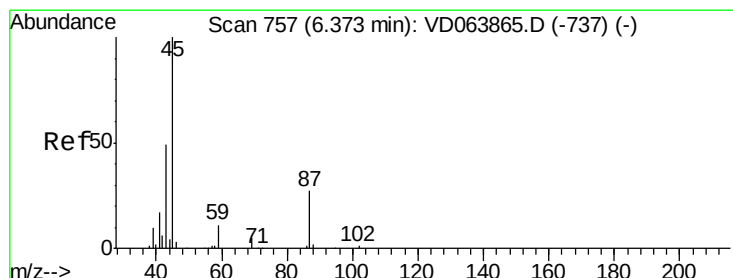
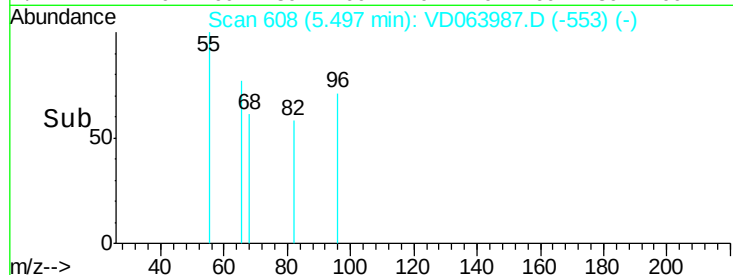
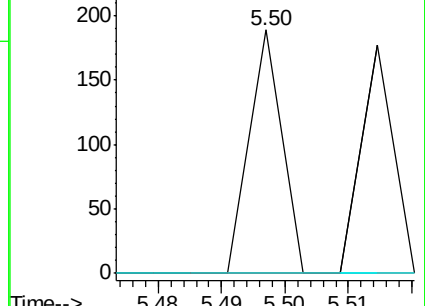
61 0.0 96.6 145.0#

98 0.0 48.7 73.1#



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC

5.50



#22

Diisopropyl ether

Concen: 2.306 ug/l

RT: 6.33 min Scan# 749

Delta R.T. -0.05 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Tgt Ion: 45 Resp: 67

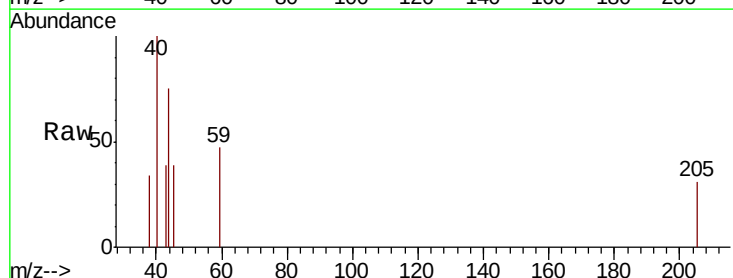
Ion Ratio Lower Upper

45 100

43 98.4 41.2 61.8#

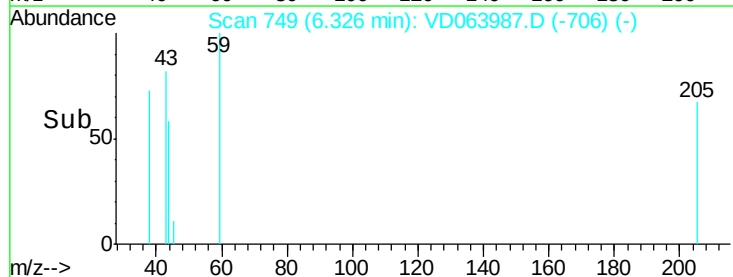
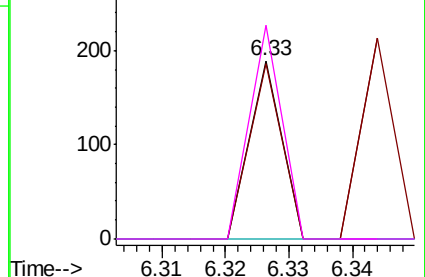
87 0.0 22.2 33.4#

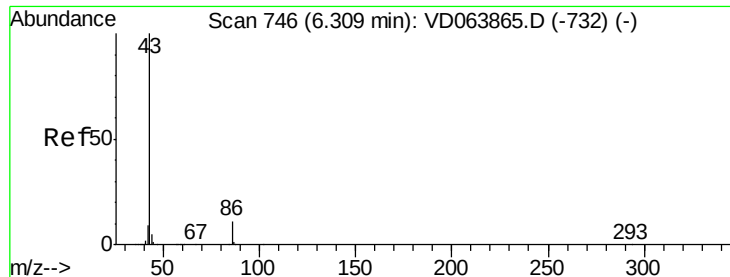
59 120.1 9.2 13.8#



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC

6.33





#23

Vinyl Acetate

Concen: 3.240 ug/l

RT: 6.28 min Scan# 741

Delta R.T. -0.03 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

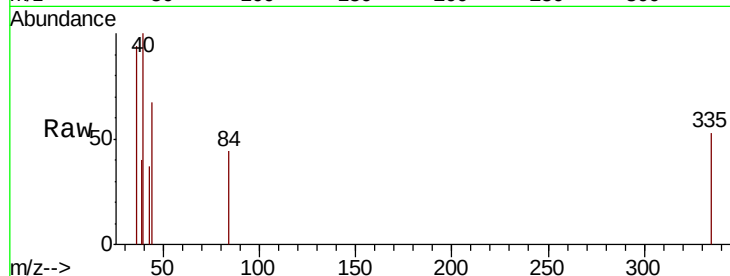
T-15-E1-(20)

Tot Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

86 0.0 8.8 13.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.28

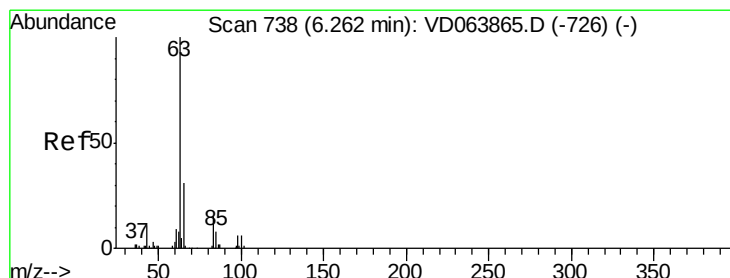
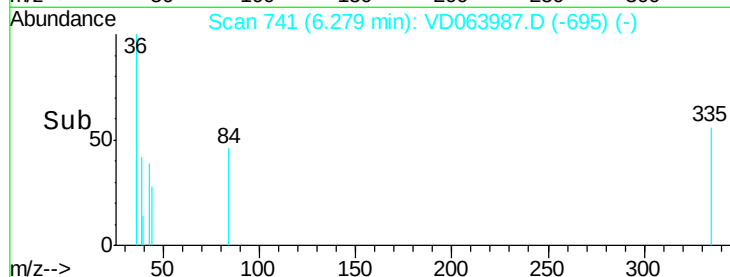
150

100

50

0

Time-->



#24

1,1-Dichloroethane

Concen: 4.247 ug/l

RT: 6.40 min Scan# 762

Delta R.T. 0.14 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

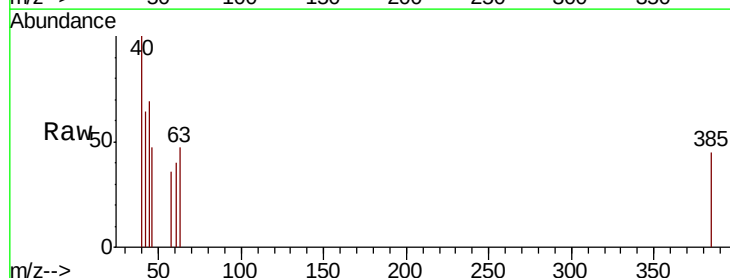
Tgt Ion: 63 Resp: 76

Ion Ratio Lower Upper

63 100

98 0.0 3.1 9.4#

100 0.0 3.0 9.2#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.40

300

250

200

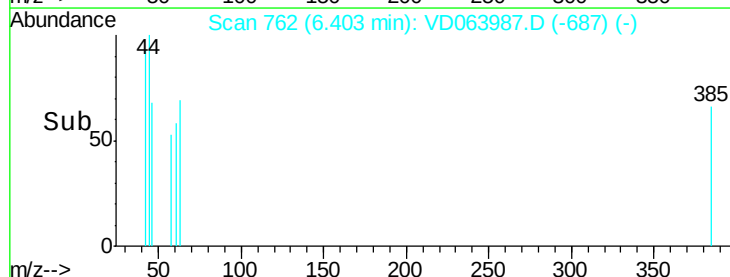
150

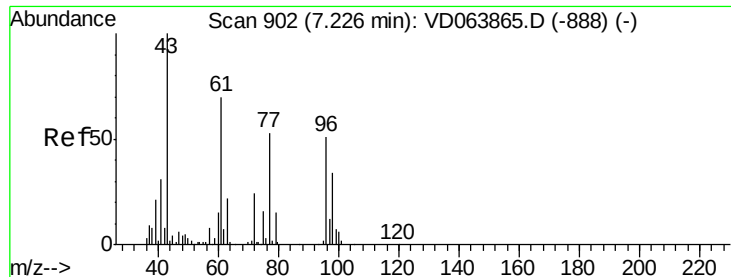
100

50

0

Time-->

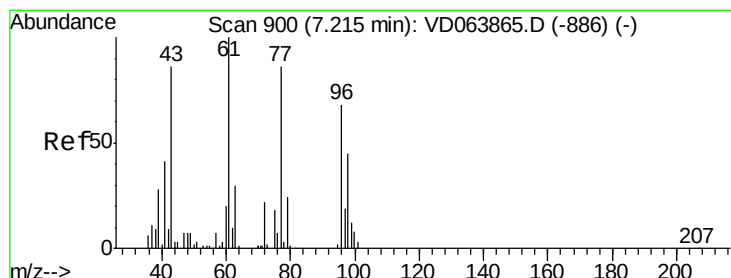
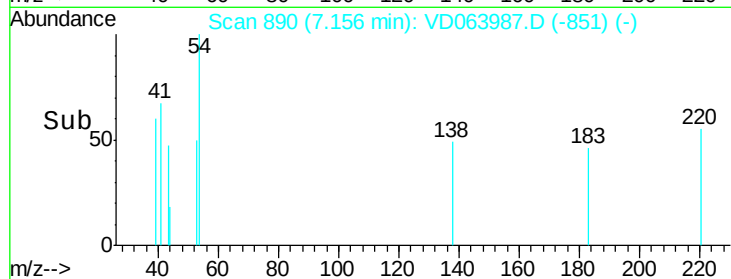
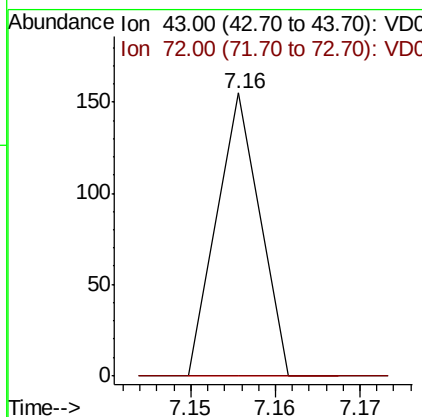
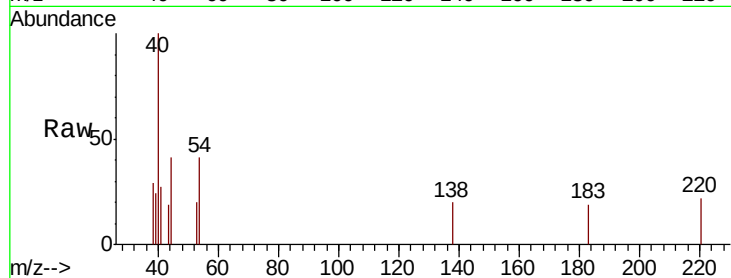




#25
 2-Butanone
 Concen: 17.933 ug/l
 RT: 7.16 min Scan# 890
 Delta R.T. -0.07 min
 Lab File: VD063987.D
 Acq: 16 Oct 2019 15:07

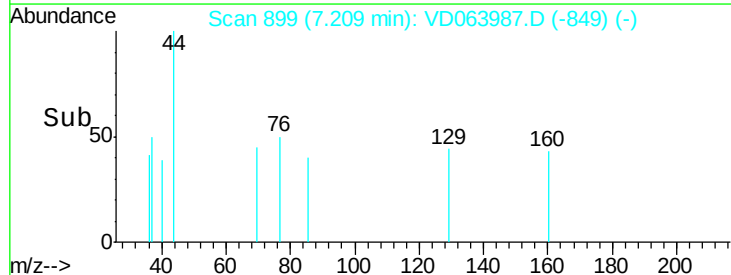
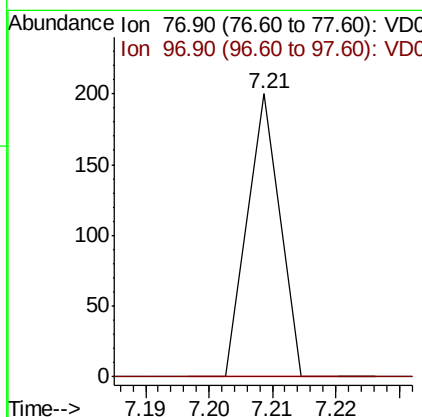
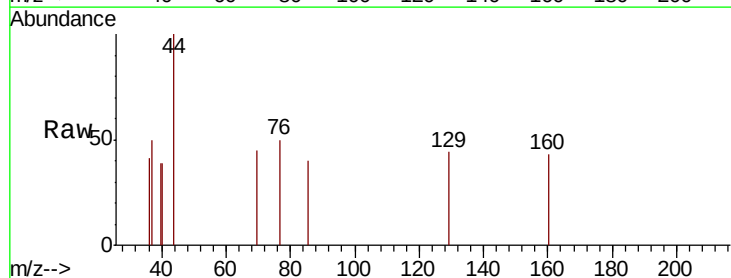
Instrument :
 MSVOA_D
 ClientSampleId :
 T-15-E1-(20)

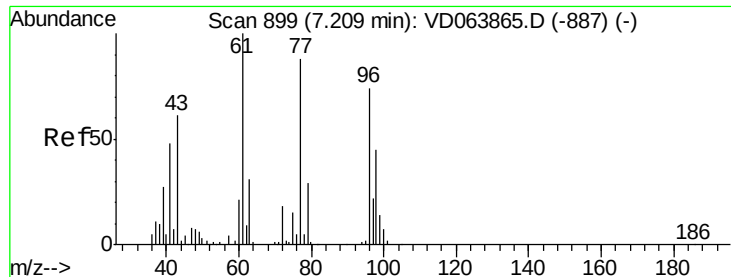
Tot Ion: 43.00 Resp: 55
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.2 28.8#



#26
 2,2-Dichloropropane
 Concen: 4.386 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD063987.D
 Acq: 16 Oct 2019 15:07

Tgt Ion: 77 Resp: 71
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.1#



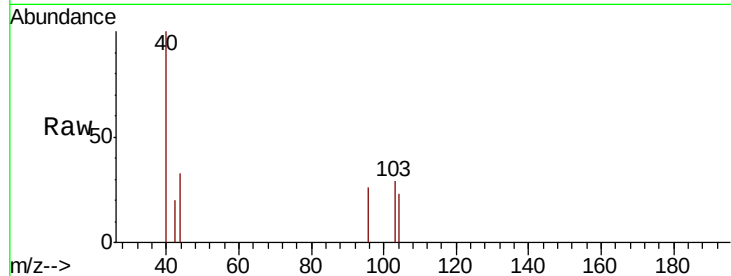


#27

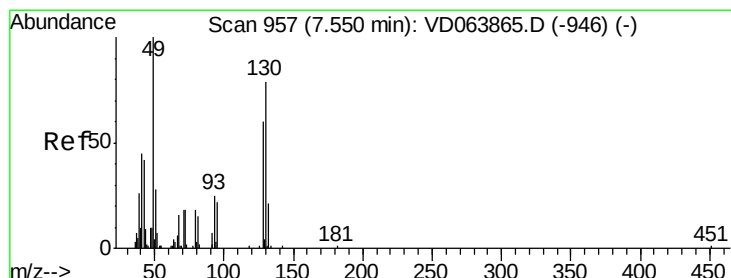
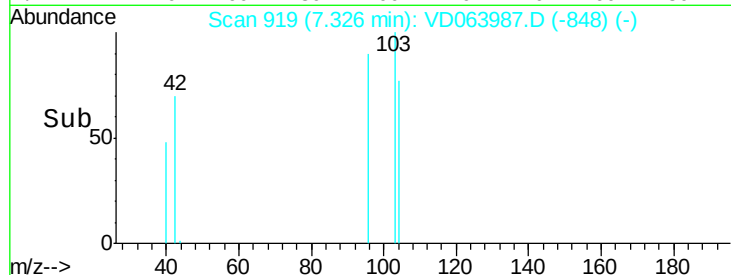
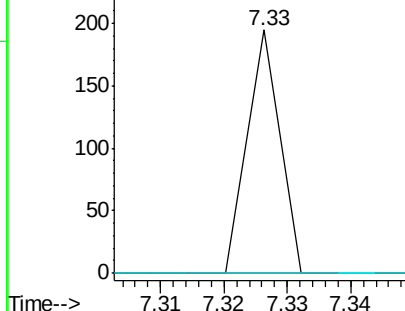
cis-1,2-Dichloroethene
Concen: 5.723 ug/l
RT: 7.33 min Scan# 919
Delta R.T. 0.12 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
T-15-E1-(20)

Tot Ion: 96 Resp: 69
Ion Ratio Lower Upper
96 100
61 0.0 0.0 280.0
98 0.0 0.0 130.4



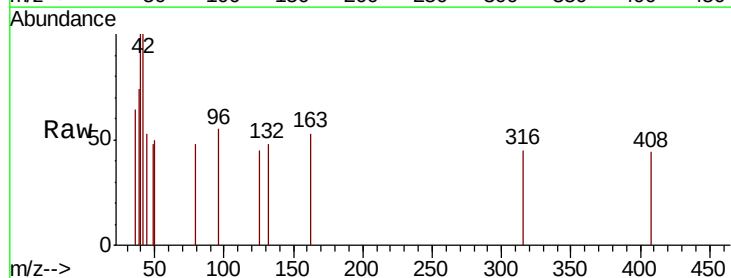
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



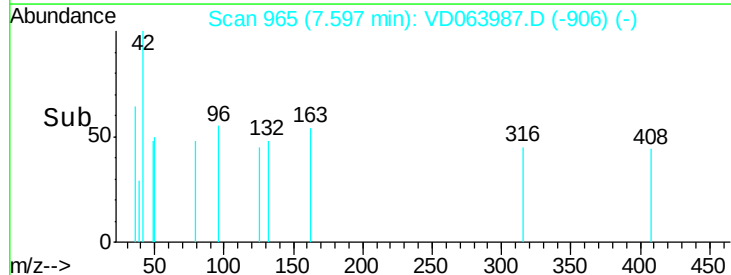
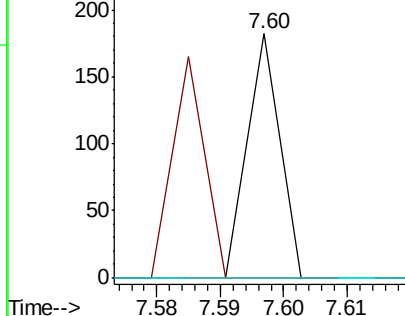
#28

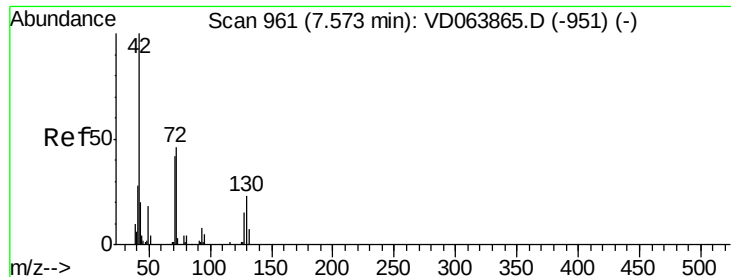
Bromochloromethane
Concen: 10.920 ug/l
RT: 7.60 min Scan# 965
Delta R.T. 0.05 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

Tgt Ion: 49 Resp: 64
Ion Ratio Lower Upper
49 100
129 90.6 0.0 5.6#
130 0.0 66.8 100.2#



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

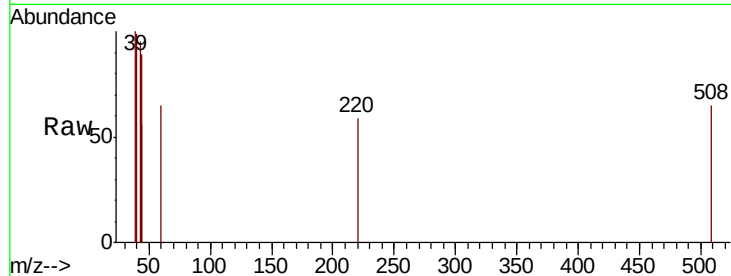




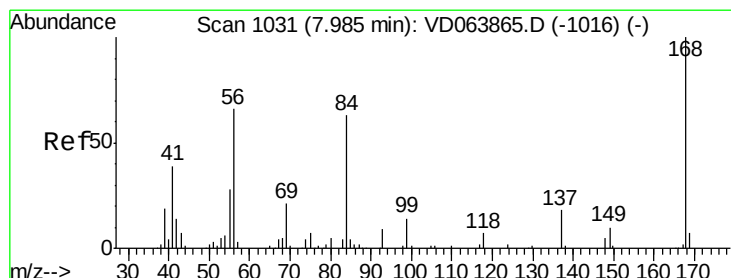
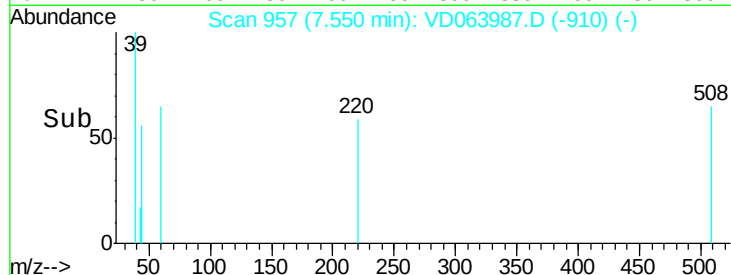
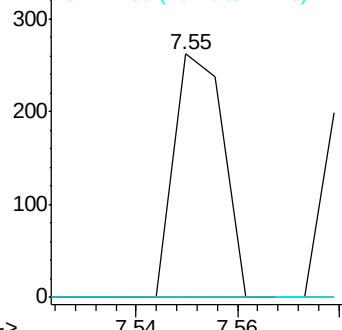
#29
Tetrahydrofuran
Concen: 98.315 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.02 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
T-15-E1-(20)

Tot Ion: 42 Resp: 176
Ion Ratio Lower Upper
42 100
72 0.0 37.6 56.4#
71 0.0 35.0 52.6#

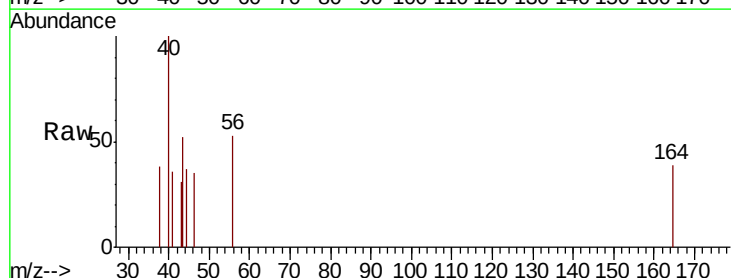


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

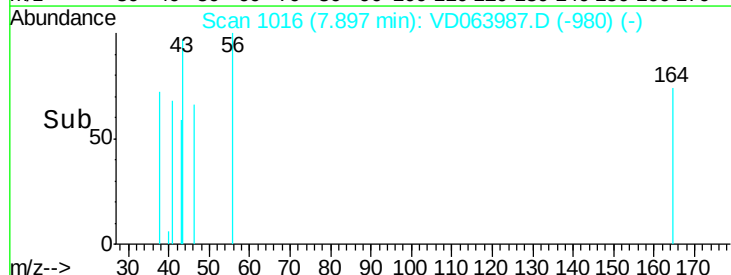
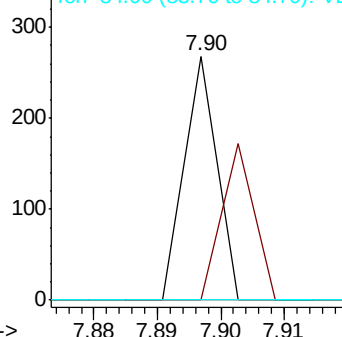


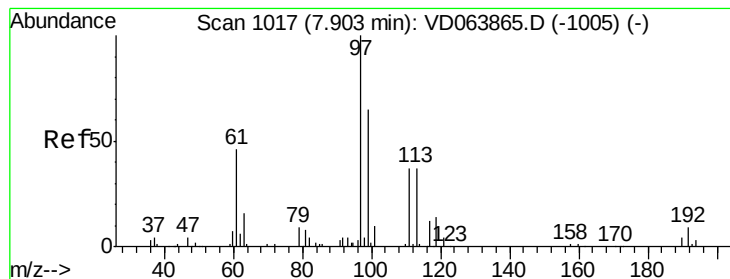
#31
Cyclohexane
Concen: 2.640 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.09 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
69 0.0 25.0 37.4#
84 0.0 76.3 114.5#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC





#32

1,1,1-Trichloroethane

Concen: 3.538 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. 0.20 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

T-15-E1-(20)

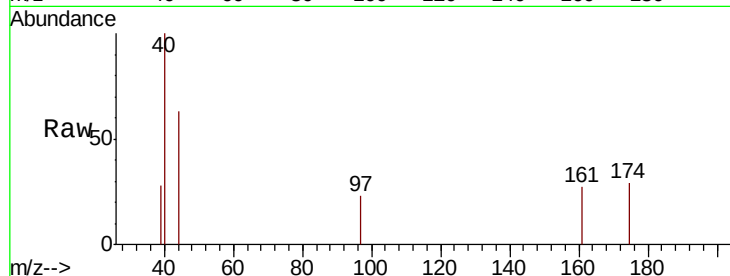
Tot Ion: 97 Resp: 59

Ion Ratio Lower Upper

97 100

99 0.0 52.4 78.6#

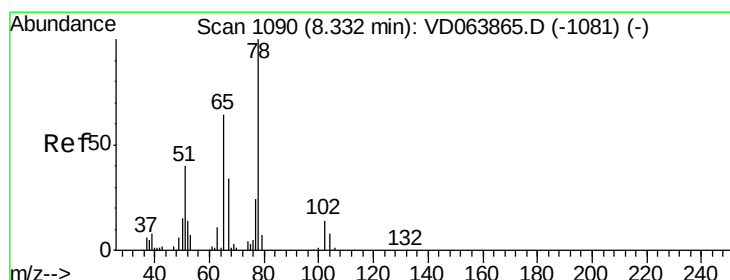
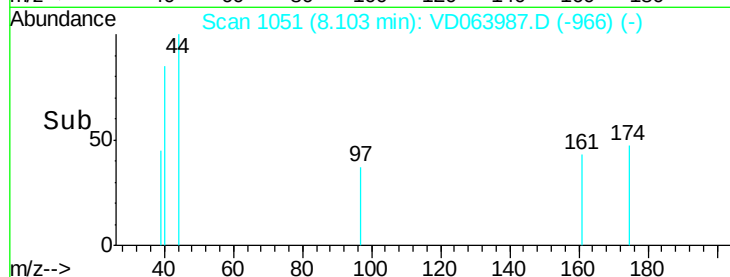
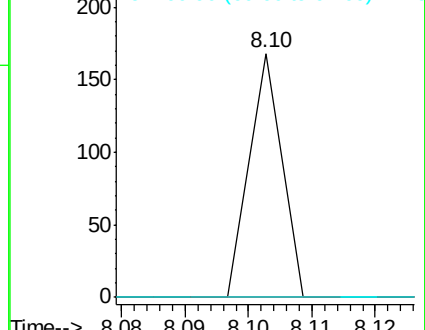
61 0.0 33.8 50.8#



Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 83.499 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063987.D

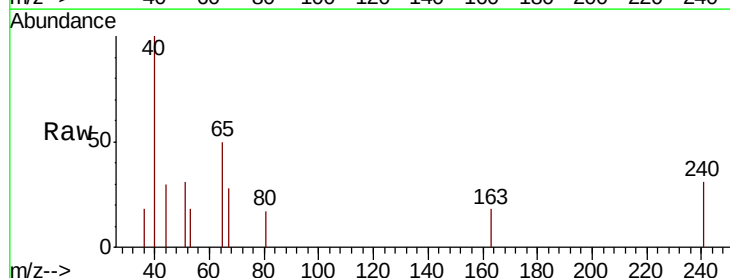
Acq: 16 Oct 2019 15:07

Tgt Ion: 65 Resp: 830

Ion Ratio Lower Upper

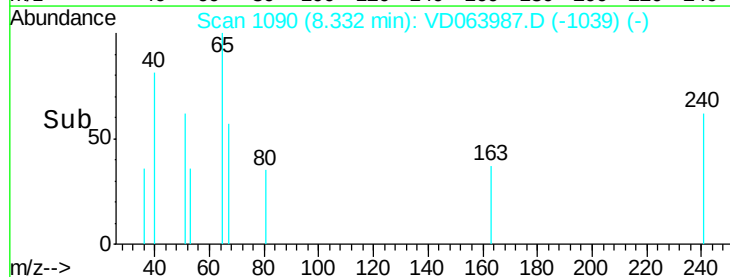
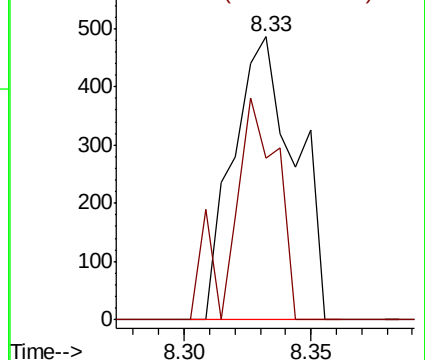
65 100

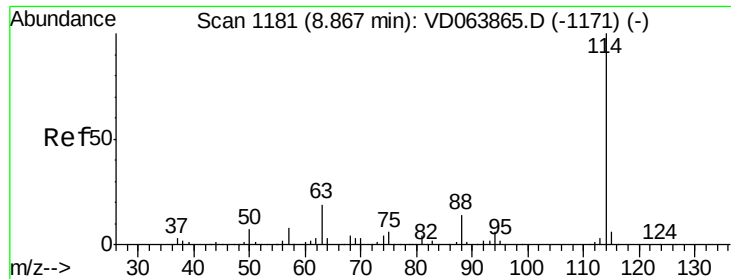
67 56.1 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

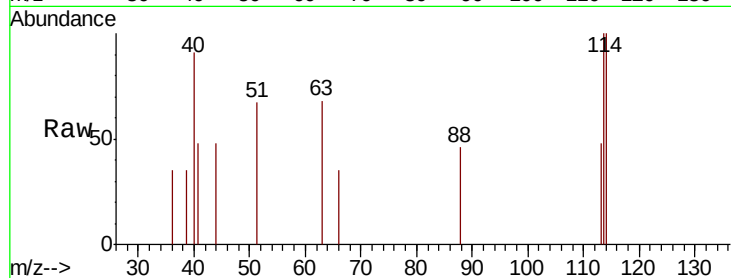




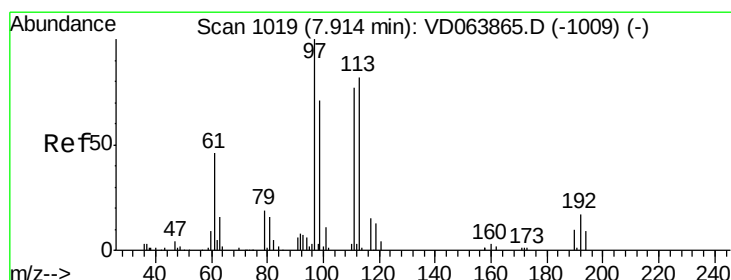
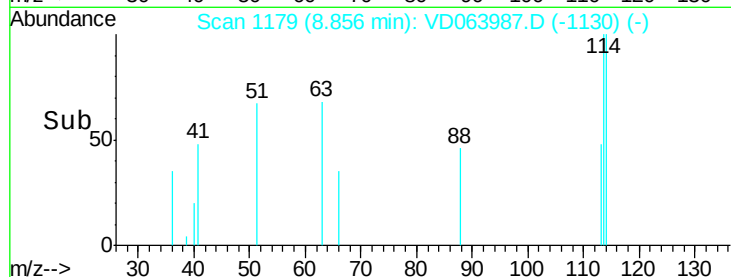
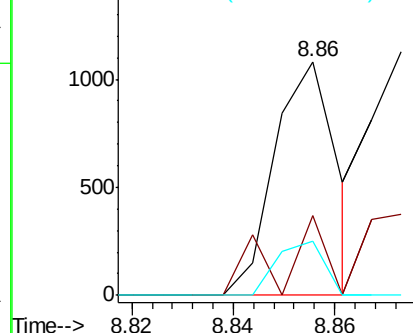
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD063987.D
 Acq: 16 Oct 2019 15:07

Instrument :
 MSVOA_D
 ClientSampleId :
 T-15-E1-(20)

Tot Ion:114 Resp: 917
 Ion Ratio Lower Upper
 114 100
 63 33.9 0.0 38.4
 88 22.9 0.0 27.4

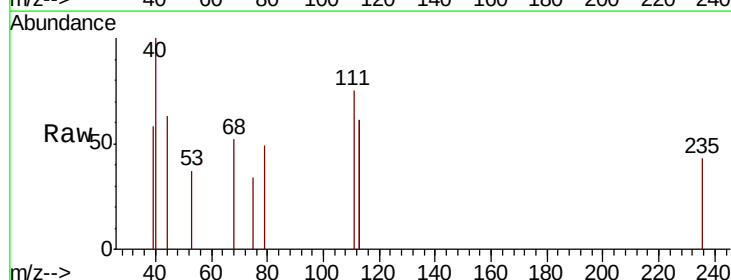


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

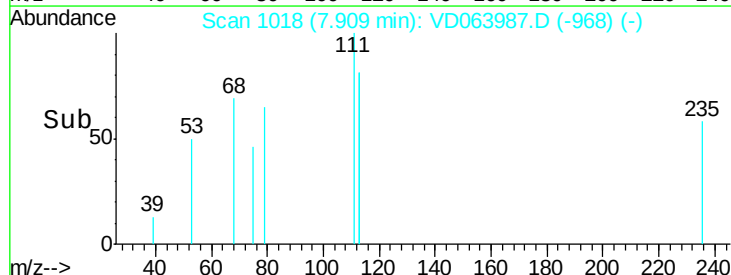
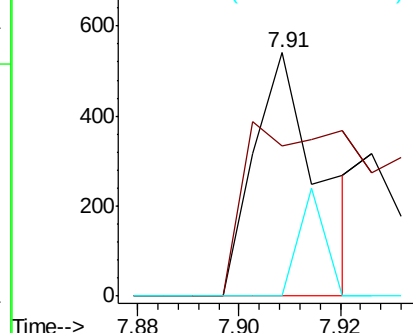


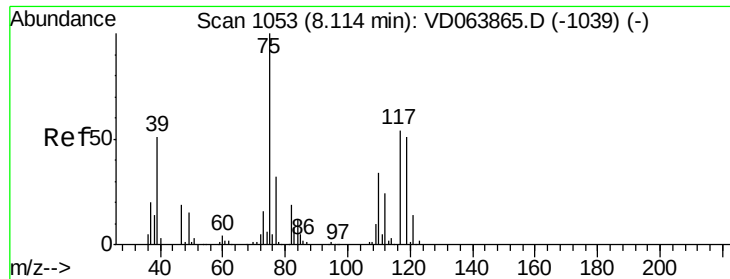
#35
 Dibromofluoromethane
 Concen: 86.366 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD063987.D
 Acq: 16 Oct 2019 15:07

Tgt Ion:113 Resp: 484
 Ion Ratio Lower Upper
 113 100
 111 159.1 82.6 123.8#
 192 17.6 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 21.588 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

T-15-E1-(20)

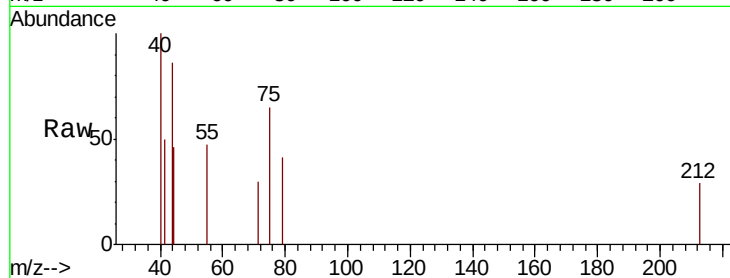
Tot Ion: 75 Resp: 181

Ion Ratio Lower Upper

75 100

110 0.0 17.4 52.3#

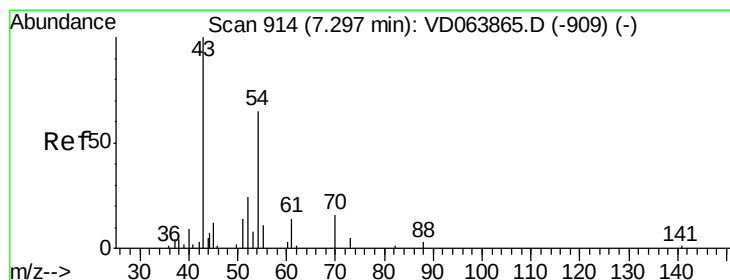
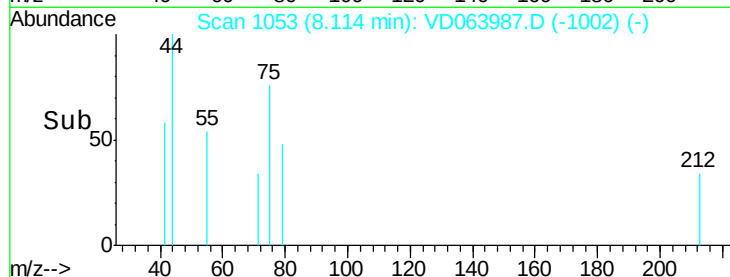
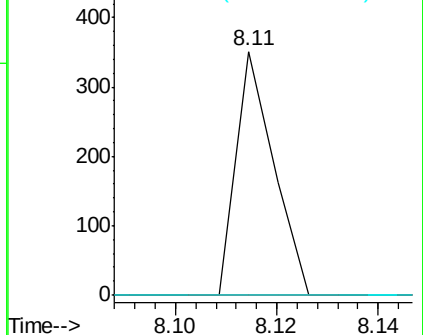
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 14.090 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

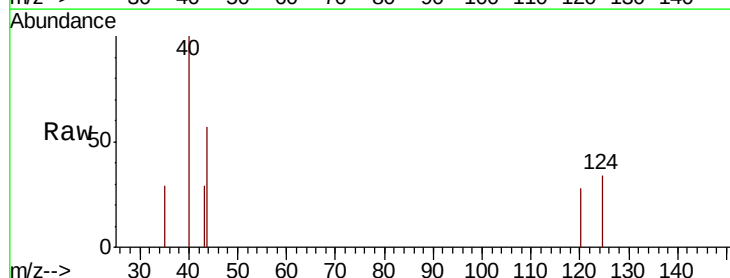
Tgt Ion: 43 Resp: 57

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

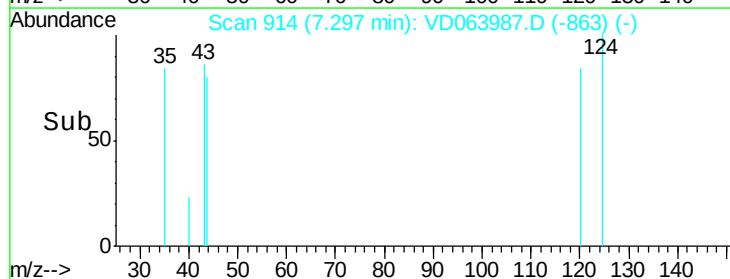
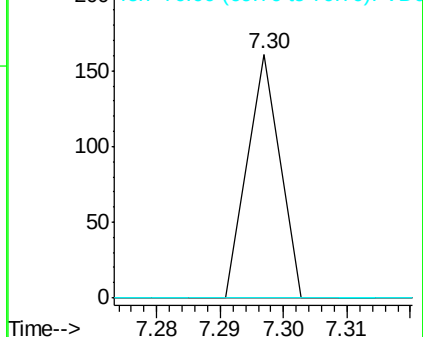
70 0.0 8.2 12.4#

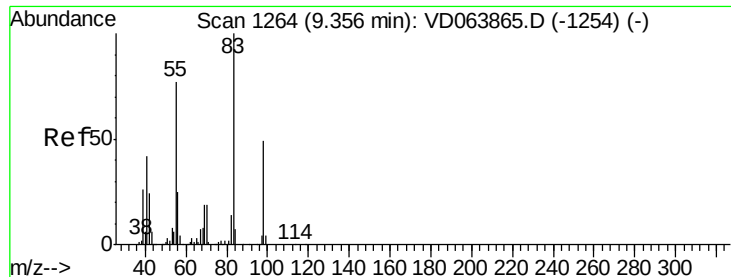


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC

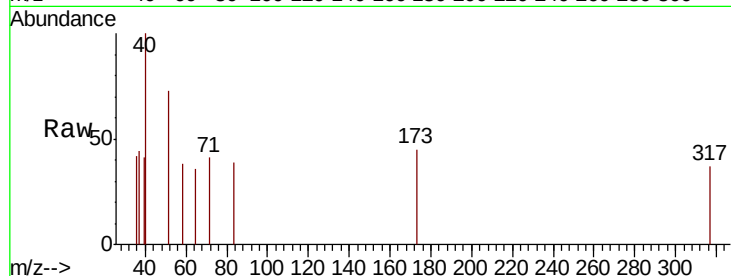




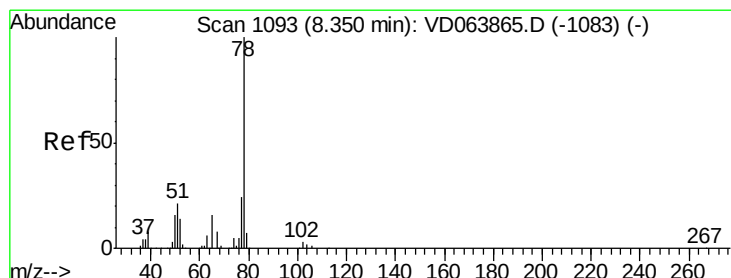
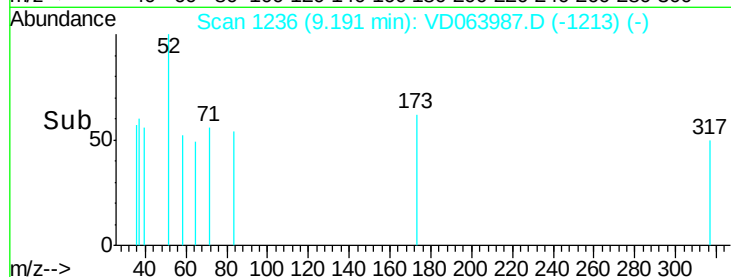
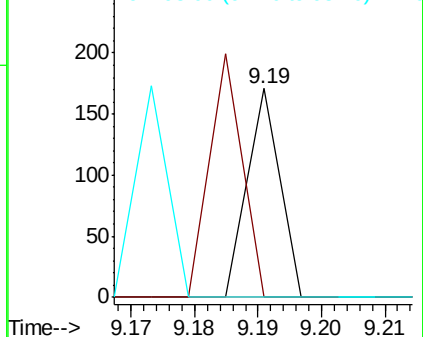
#39
Methylvlcvclohexane
Concen: 5.820 ug/l
RT: 9.19 min Scan# 1236
Delta R.T. -0.16 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

Instrument :
MSVOA_D
ClientSampleId :
T-15-E1-(20)

Tot Ion: 83 Resp: 60
Ion Ratio Lower Upper
83 100
55 0.0 61.3 91.9#
98 0.0 39.3 58.9#

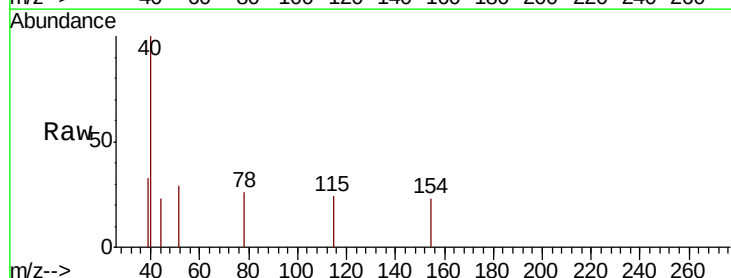


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

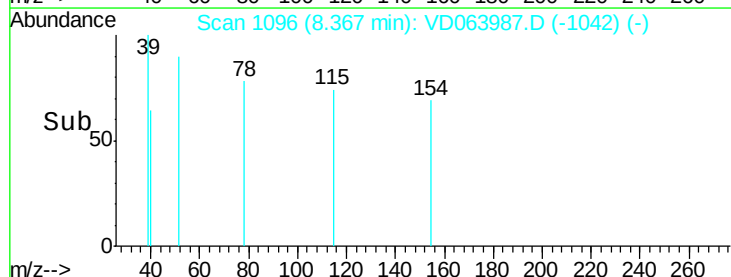
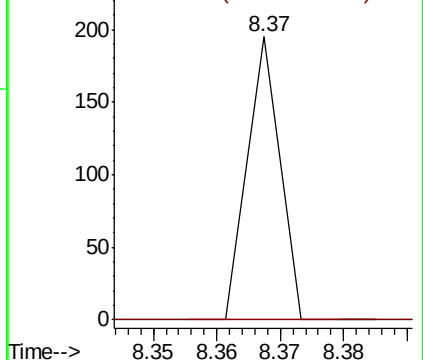


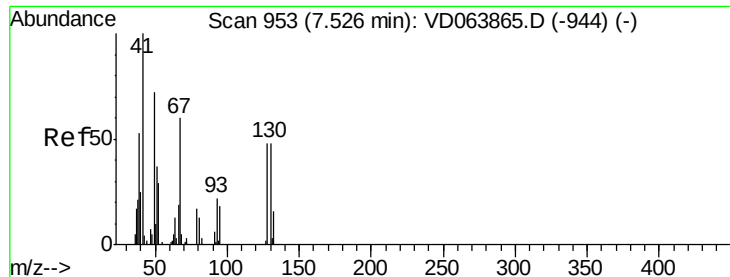
#40
Benzene
Concen: 2.872 ug/l
RT: 8.37 min Scan# 1096
Delta R.T. 0.02 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

Tgt Ion: 78 Resp: 69
Ion Ratio Lower Upper
78 100
77 0.0 19.0 28.6#



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

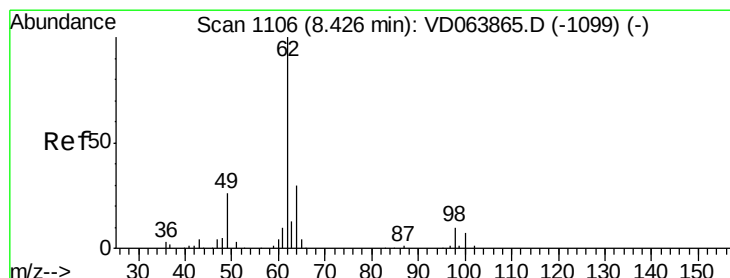
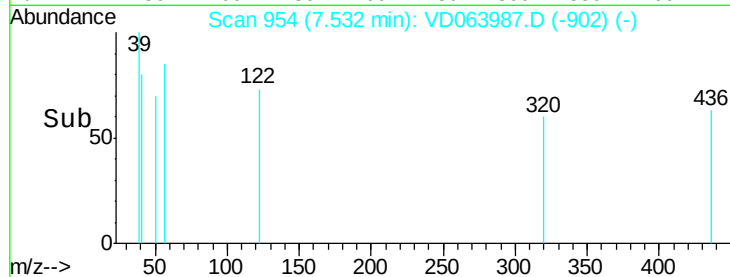
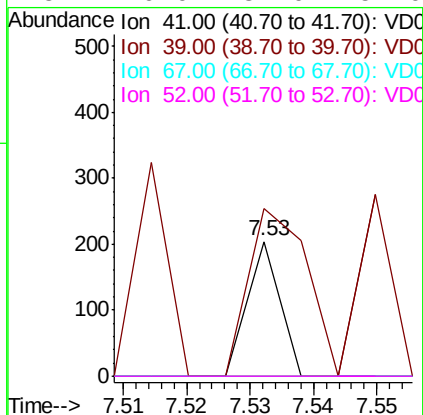
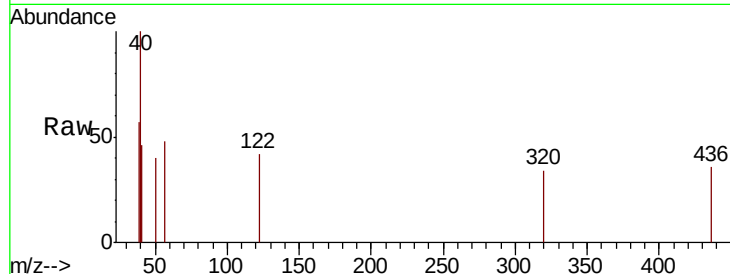




#41
Methacrylonitrile
Concen: 37.039 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

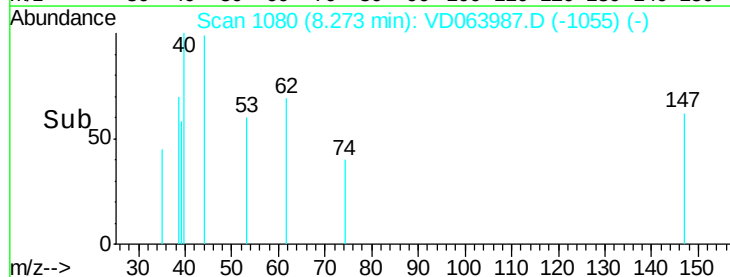
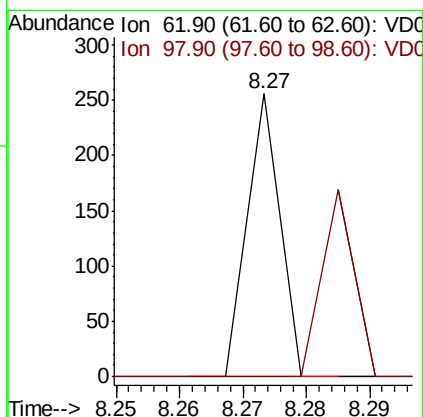
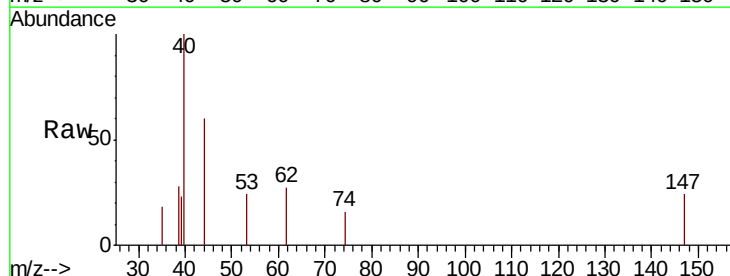
Instrument :
MSVOA_D
ClientSampleId :
T-15-E1-(20)

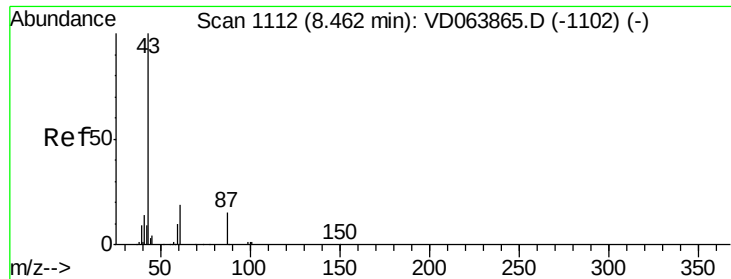
Tot Ion: 41 Resp: 72
Ion Ratio Lower Upper
41 100
39 225.0 52.6 78.8#
67 0.0 74.2 111.2#
52 0.0 34.0 51.0#



#42
1,2-Dichloroethane
Concen: 12.949 ug/l
RT: 8.27 min Scan# 1080
Delta R.T. -0.15 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

Tgt Ion: 62 Resp: 90
Ion Ratio Lower Upper
62 100
98 66.7 0.0 20.0#





#43

Isopropyl Acetate

Concen: 30.150 ug/l

RT: 8.39 min Scan# 1100

Delta R.T. -0.07 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

T-15-E1-(20)

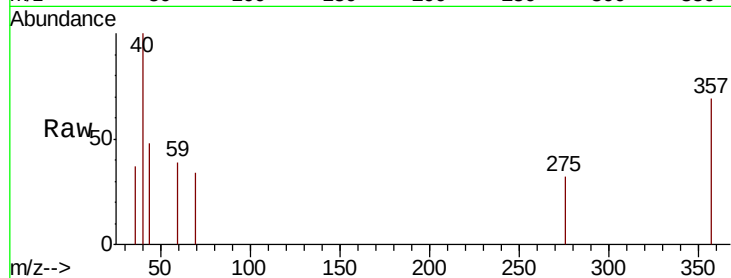
Tot Ion: 43 Resp: 212

Ion Ratio Lower Upper

43 100

61 33.5 25.7 38.5

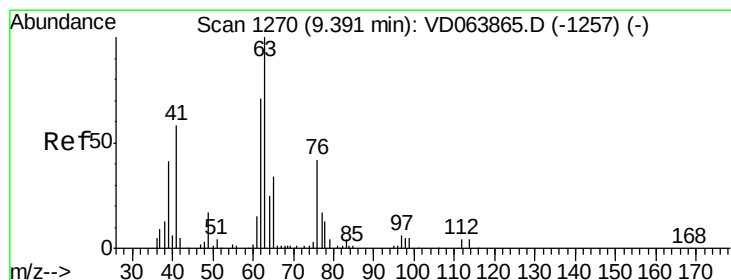
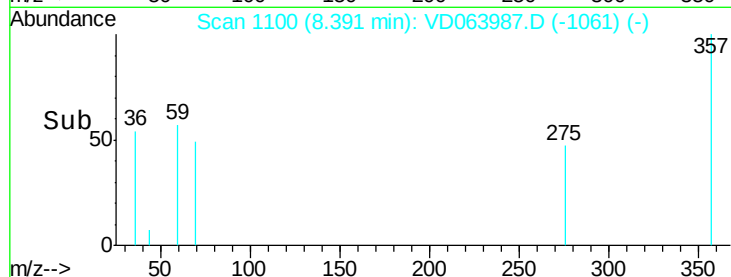
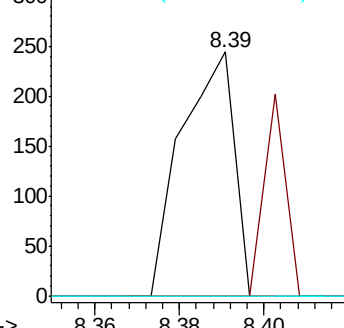
87 0.0 11.6 17.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#45

1,2-Dichloropropane

Concen: 12.413 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.07 min

Lab File: VD063987.D

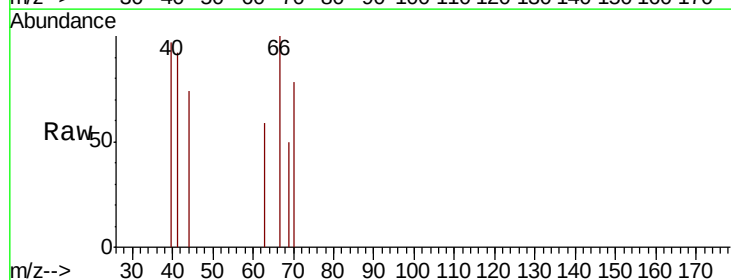
Acq: 16 Oct 2019 15:07

Tgt Ion: 63 Resp: 73

Ion Ratio Lower Upper

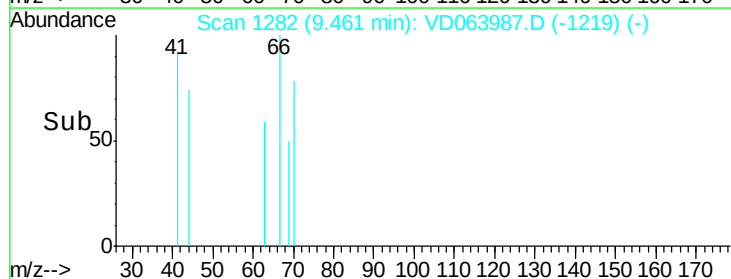
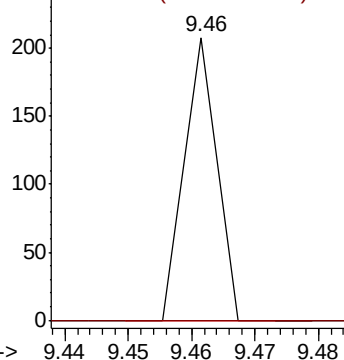
63 100

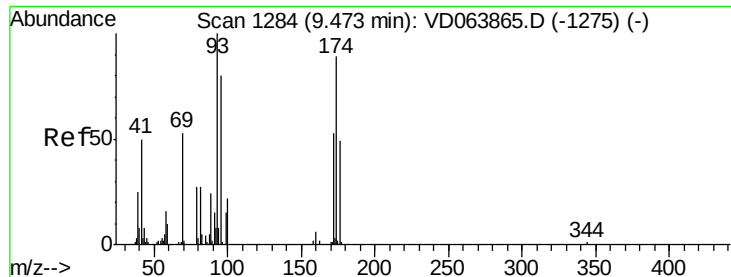
65 0.0 27.3 40.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC





#46

Dibromomethane

Concen: 16.123 ug/l

RT: 9.60 min Scan# 1306

Delta R.T. 0.13 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

T-15-E1-(20)

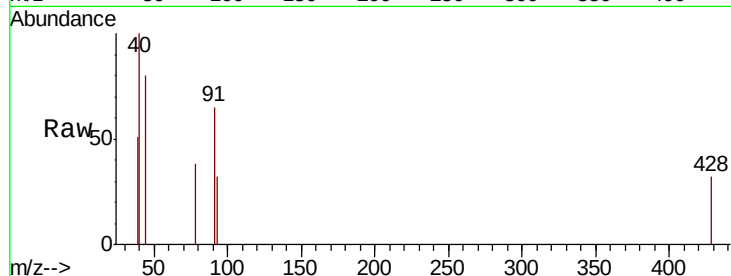
Tot Ion: 93 Resp: 54

Ion Ratio Lower Upper

93 100

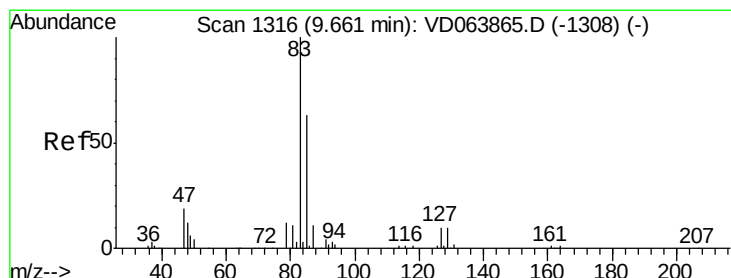
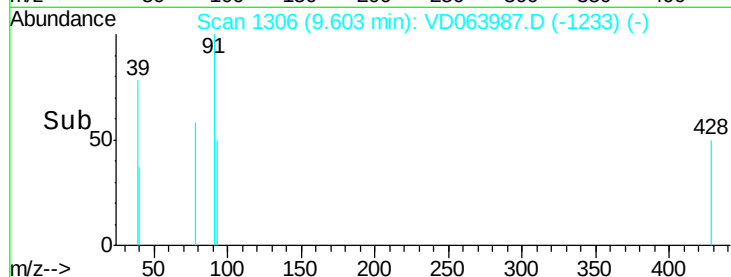
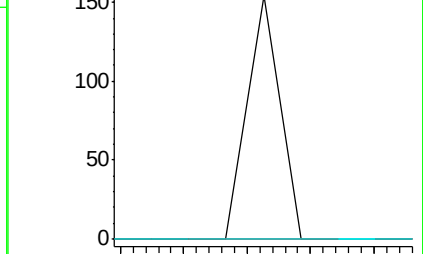
95 0.0 66.0 99.0#

174 0.0 83.4 125.0#



Abundance Ion 92.80 (92.50 to 93.50): VDC
Ion 94.80 (94.50 to 95.50): VDC
Ion 173.70 (173.40 to 174.40): V

9.60



#47

Bromodichloromethane

Concen: 7.074 ug/l

RT: 9.71 min Scan# 1325

Delta R.T. 0.05 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

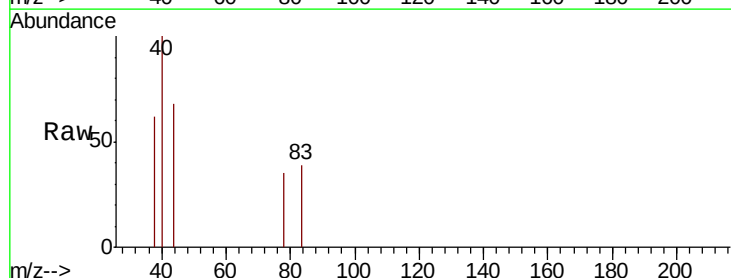
Tgt Ion: 83 Resp: 61

Ion Ratio Lower Upper

83 100

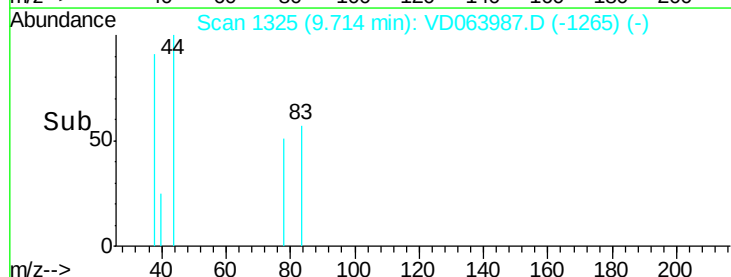
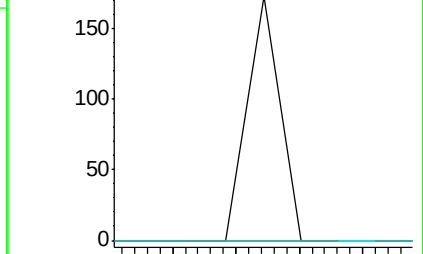
85 0.0 50.2 75.2#

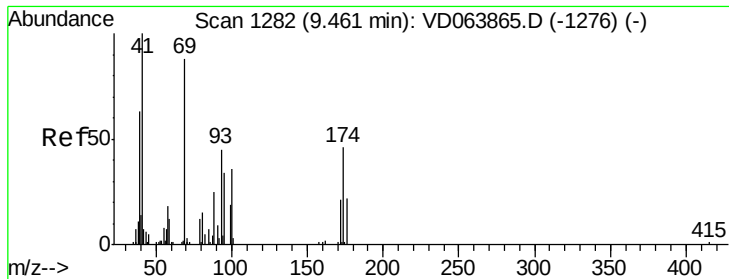
127 0.0 7.6 11.4#



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

9.71

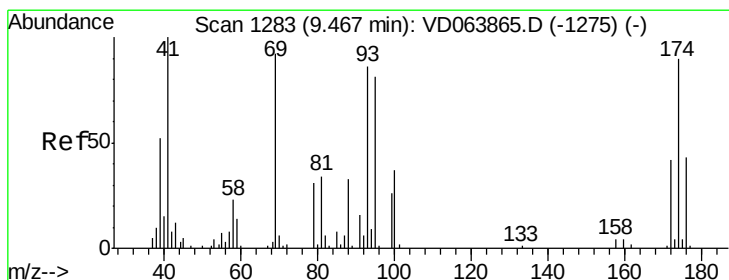
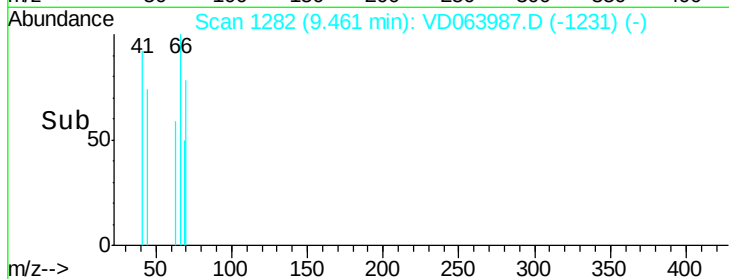
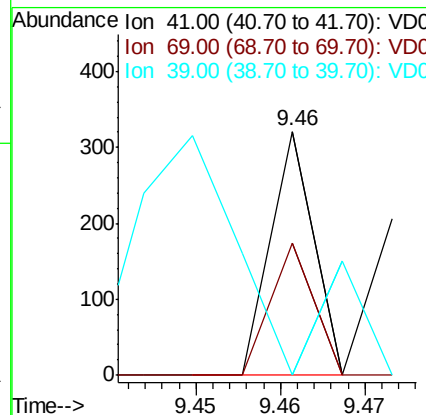
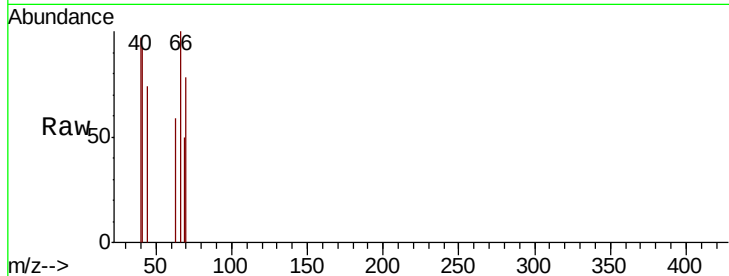




#48
Methyl methacrylate
Concen: 33.541 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

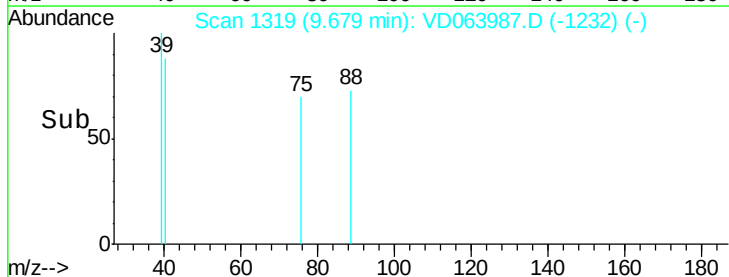
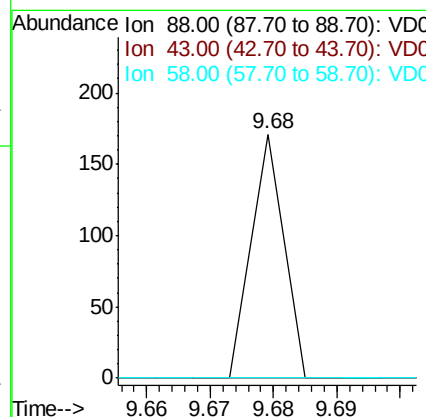
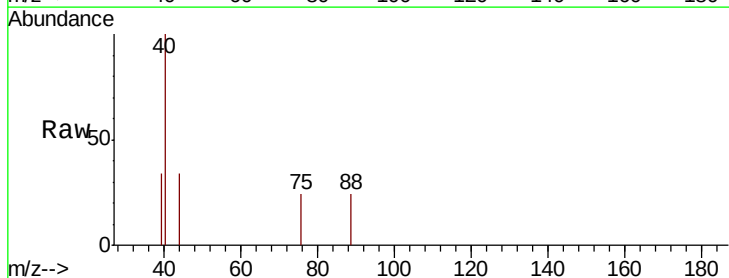
Instrument :
MSVOA_D
ClientSampleId :
T-15-E1-(20)

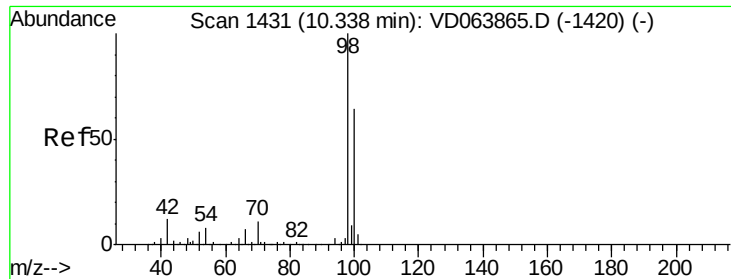
Tot Ion: 41 Resp: 113
Ion Ratio Lower Upper
41 100
69 54.0 75.1 112.7#
39 223.9 50.2 75.2#



#49
1,4-Dioxane
Concen: 1312.402 ug/l
RT: 9.68 min Scan# 1319
Delta R.T. 0.21 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 27.6 41.4#
58 0.0 54.1 81.1#

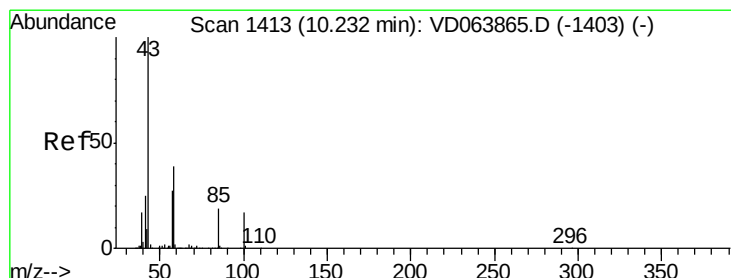
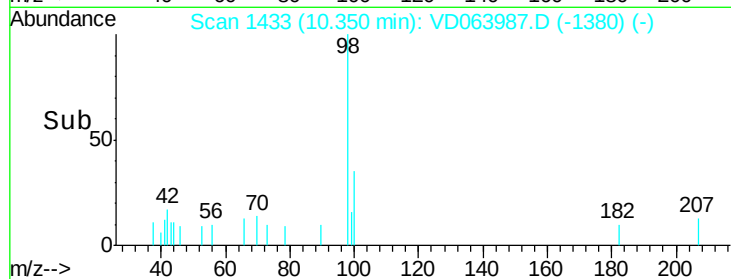
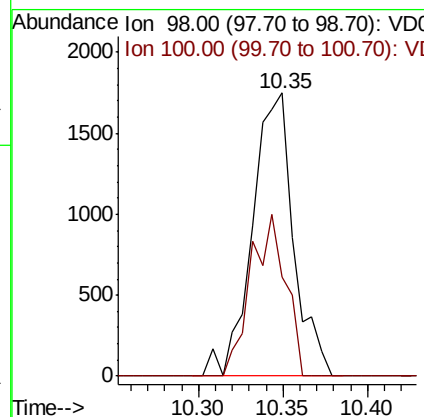
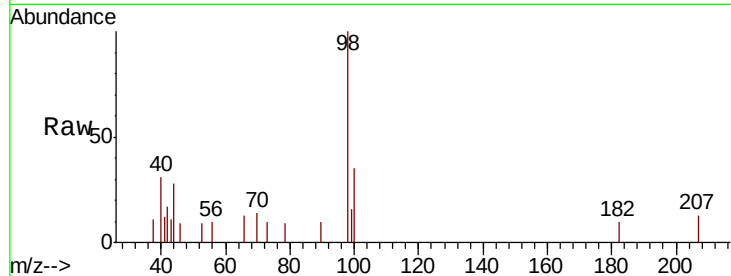




#50
Toluene-d8
Concen: 131.100 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.01 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

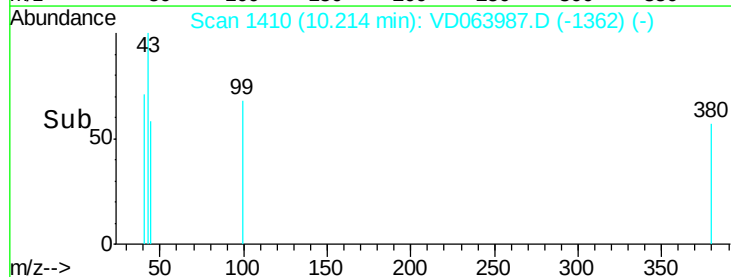
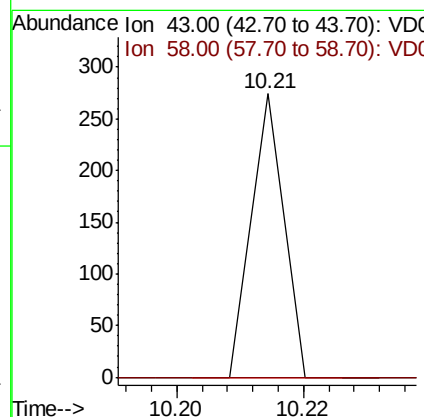
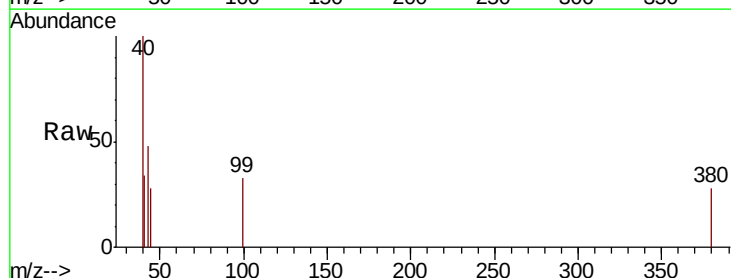
Instrument :
MSVOA_D
ClientSampleId :
T-15-E1-(20)

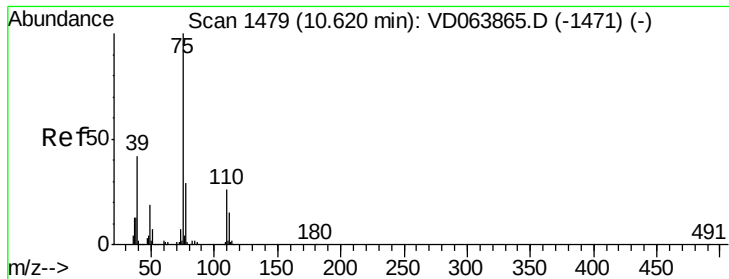
Tot Ion: 98 Resp: 2982
Ion Ratio Lower Upper
98 100
100 48.0 52.1 78.1#



#51
4-Methyl-2-Pentanone
Concen: 26.600 ug/l
RT: 10.21 min Scan# 1410
Delta R.T. -0.02 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

Tgt Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
58 0.0 33.0 49.4#





#53

t-1,3-Dichloropropene

Concen: 6.536 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.04 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

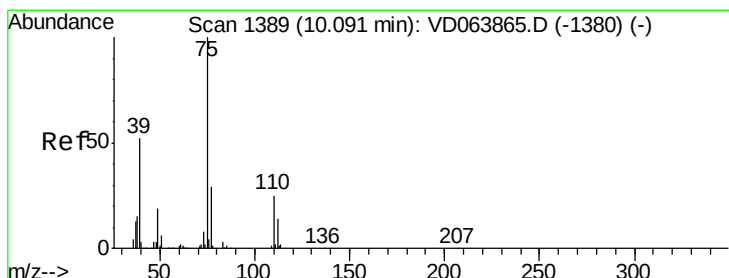
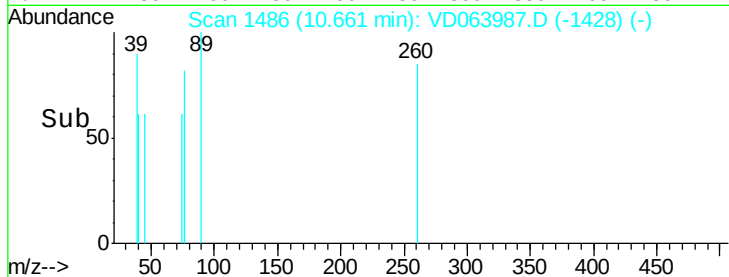
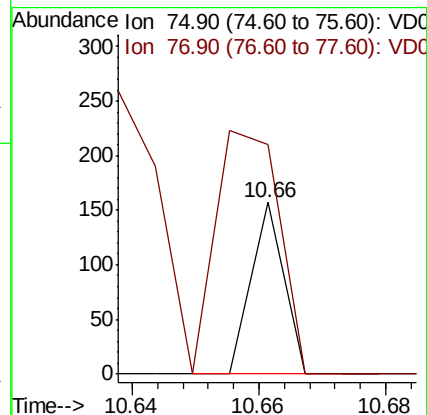
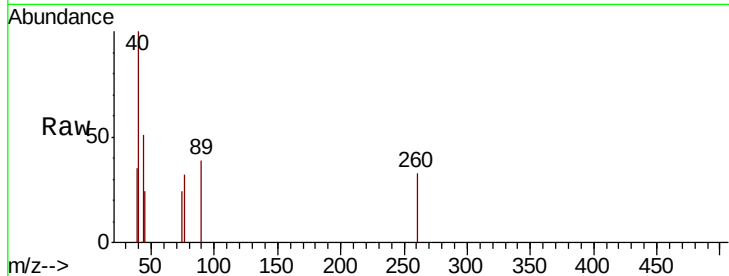
T-15-E1-(20)

Tot Ion: 75 Resp: 55

Ion Ratio Lower Upper

75 100

77 133.8 22.8 34.2#



#54

cis-1,3-Dichloropropene

Concen: 5.472 ug/l

RT: 10.31 min Scan# 1427

Delta R.T. 0.22 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

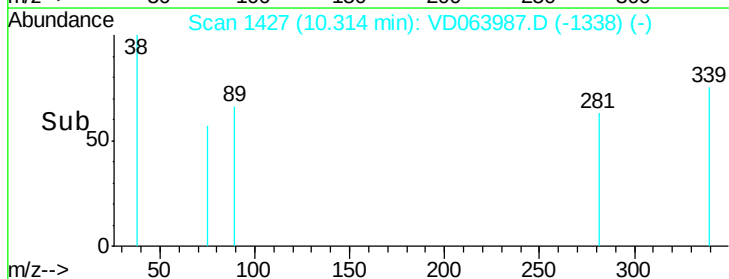
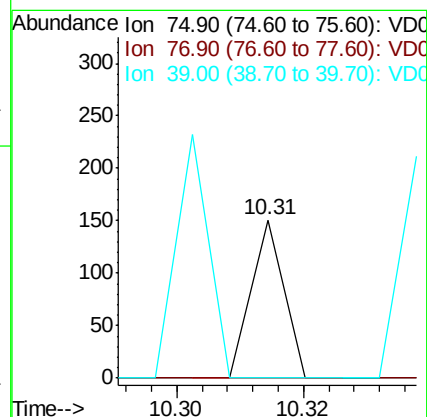
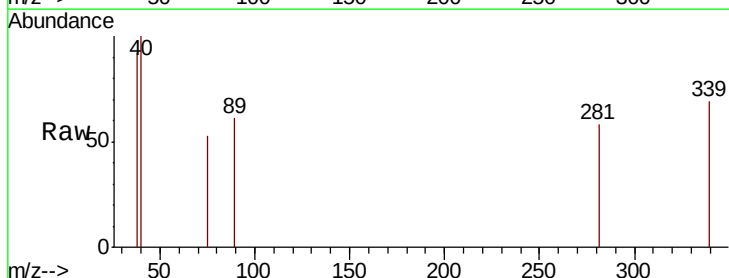
Tgt Ion: 75 Resp: 53

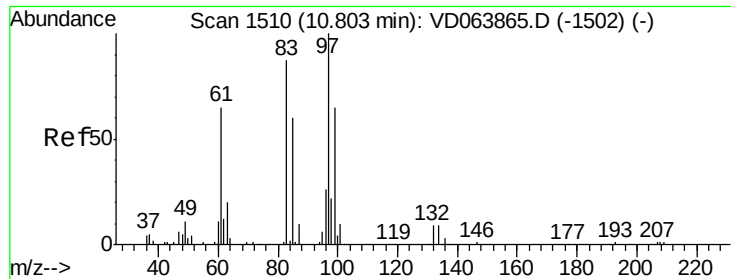
Ion Ratio Lower Upper

75 100

77 0.0 23.2 34.8#

39 0.0 41.5 62.3#

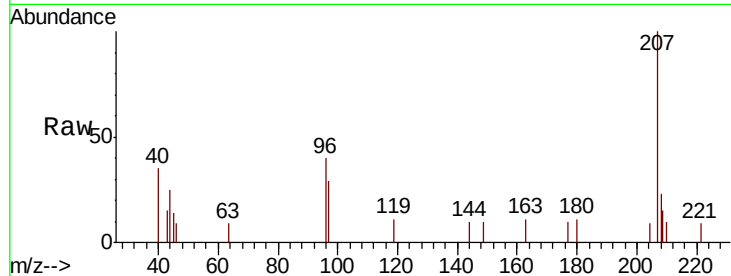




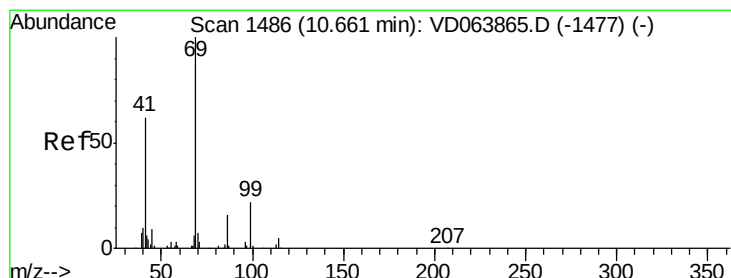
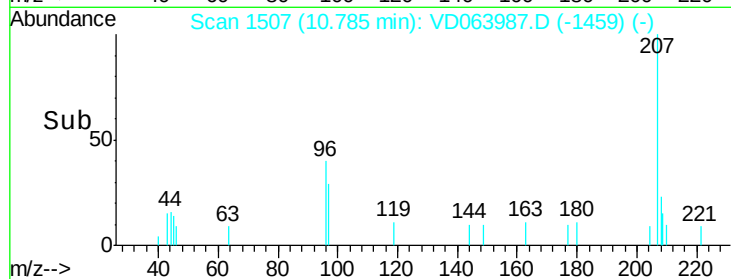
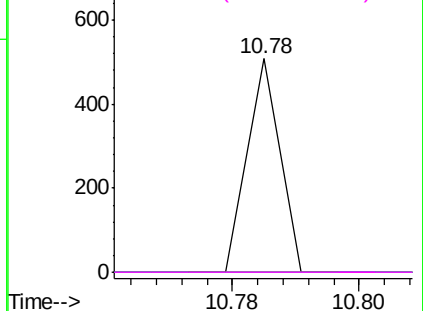
#55
 1,1,2-Trichloroethane
 Concen: 37.851 ug/l
 RT: 10.78 min Scan# 1507
 Delta R.T. -0.02 min
 Lab File: VD063987.D
 Acq: 16 Oct 2019 15:07

Instrument :
 MSVOA_D
 ClientSampleId :
 T-15-E1-(20)

Tot Ion: 97 Resp: 179
 Ion Ratio Lower Upper
 97 100
 83 0.0 69.7 104.5#
 85 0.0 48.1 72.1#
 99 0.0 51.9 77.9#

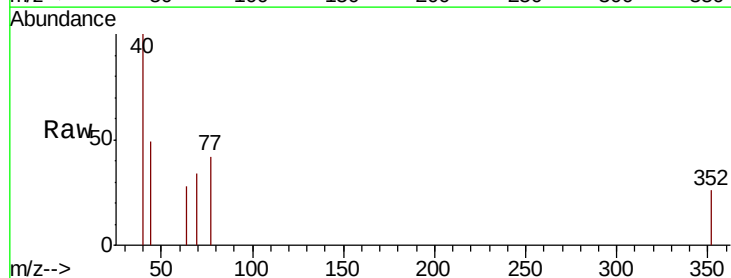


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

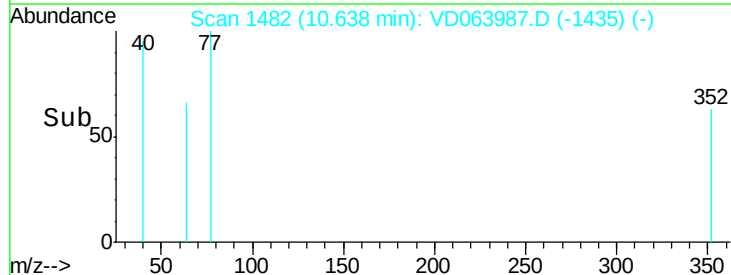
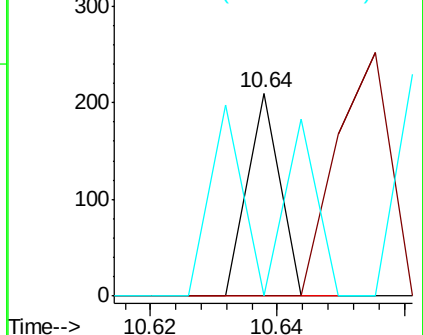


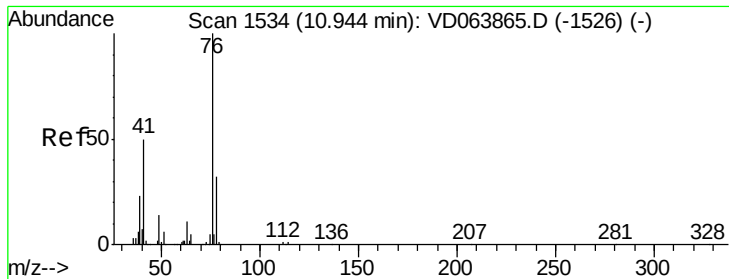
#56
 Ethyl methacrylate
 Concen: 12.357 ug/l
 RT: 10.64 min Scan# 1482
 Delta R.T. -0.02 min
 Lab File: VD063987.D
 Acq: 16 Oct 2019 15:07

Tgt Ion: 69 Resp: 74
 Ion Ratio Lower Upper
 69 100
 41 0.0 51.3 76.9#
 39 181.1 28.0 42.0#



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 12.606 ug/l

RT: 10.92 min Scan# 1530

Delta R.T. -0.02 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

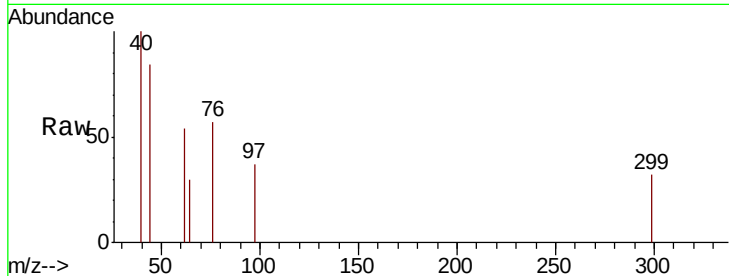
T-15-E1-(20)

Tot Ion: 76 Resp: 102

Ion Ratio Lower Upper

76 100

78 57.8 26.6 40.0#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.92

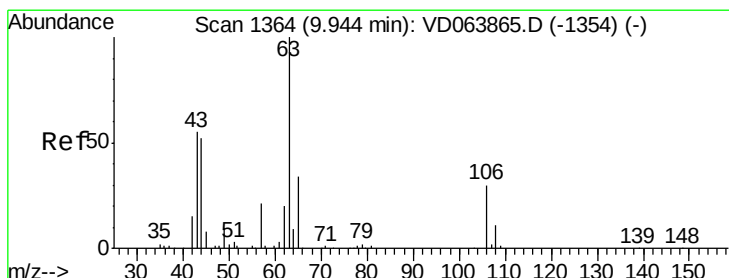
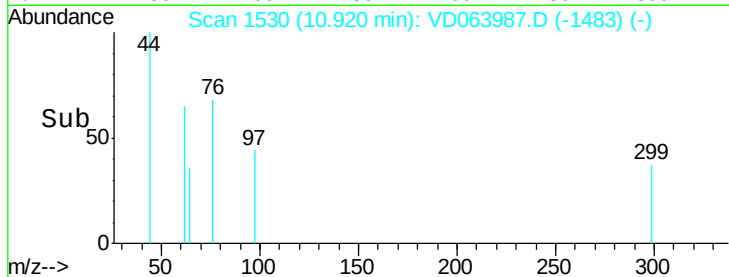
300

200

100

0

Time--> 10.90 10.92



#58

2-Chloroethyl Vinyl ether

Concen: 30.301 ug/l

RT: 9.90 min Scan# 1356

Delta R.T. -0.05 min

Lab File: VD063987.D

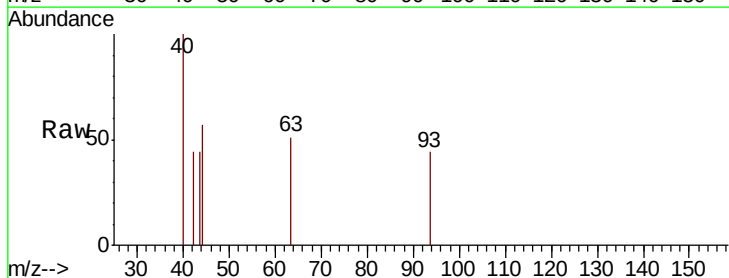
Acq: 16 Oct 2019 15:07

Tgt Ion: 63 Resp: 78

Ion Ratio Lower Upper

63 100

106 156.4 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.90

250

200

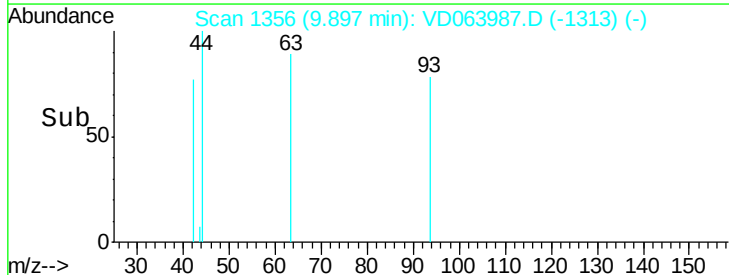
150

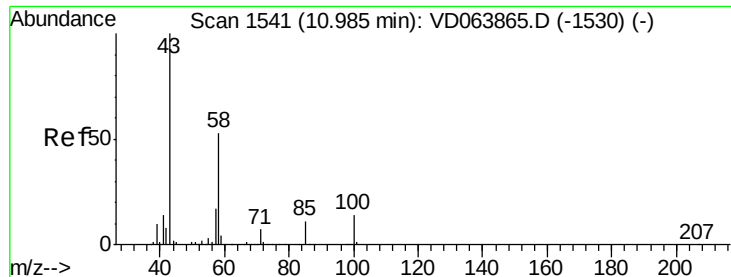
100

50

0

Time--> 9.88 9.89 9.90 9.91

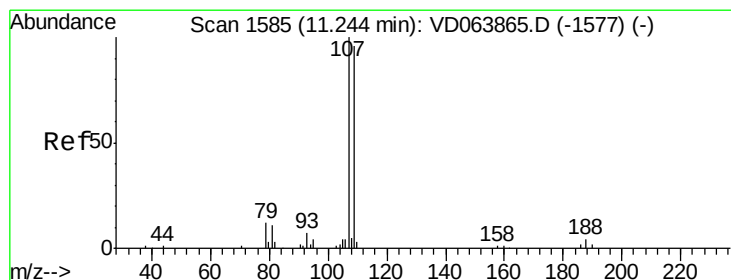
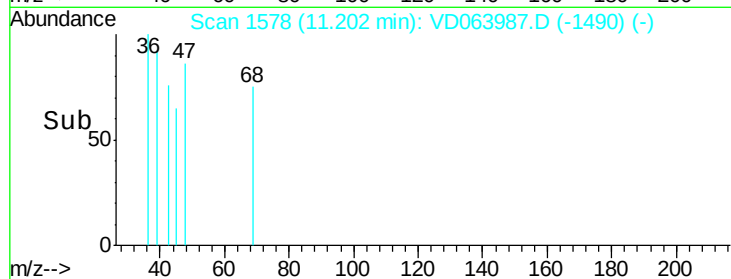
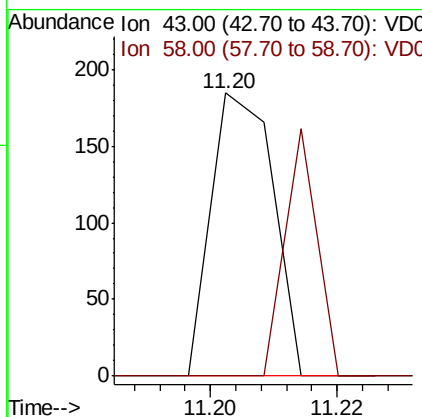
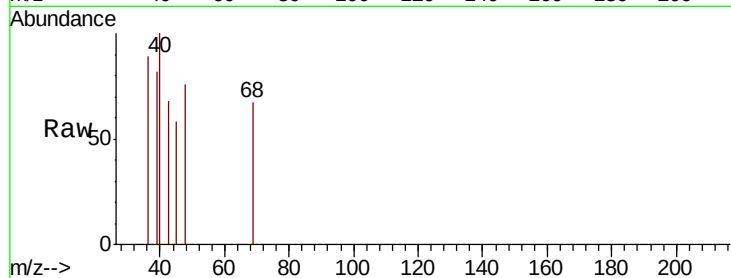




#59
2-Hexanone
Concen: 47.007 ug/l
RT: 11.20 min Scan# 1578
Delta R.T. 0.22 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

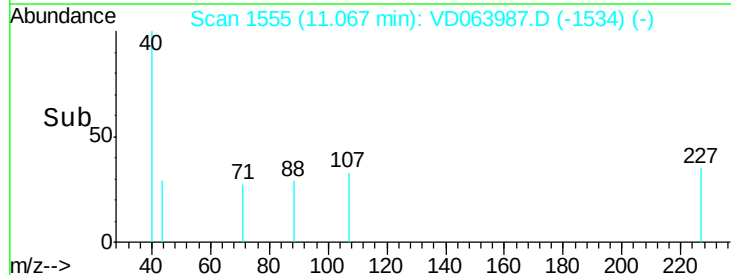
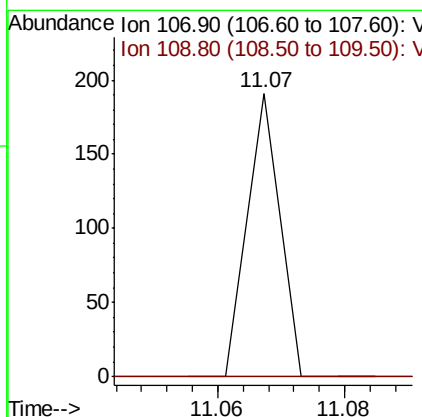
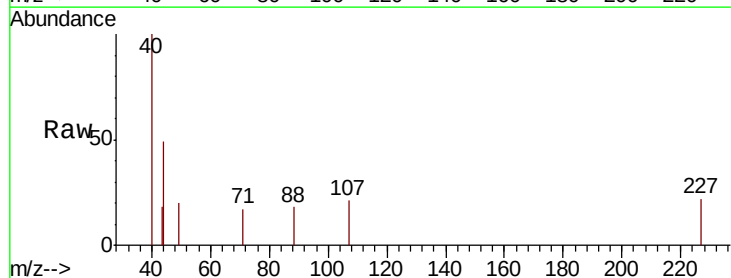
Instrument :
MSVOA_D
ClientSampleId :
T-15-E1-(20)

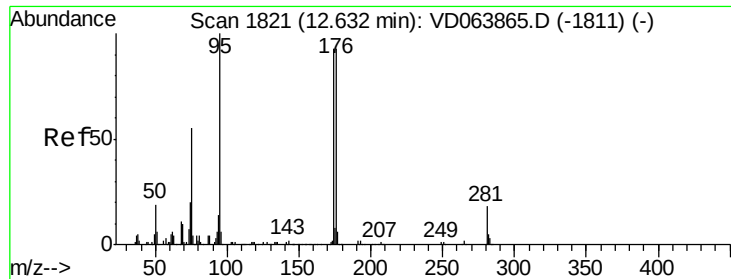
Tot Ion: 43 Resp: 124
Ion Ratio Lower Upper
43 100
58 46.0 27.7 83.0



#61
1,2-Dibromoethane
Concen: 14.614 ug/l
RT: 11.07 min Scan# 1555
Delta R.T. -0.18 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

Tgt Ion: 107 Resp: 67
Ion Ratio Lower Upper
107 100
109 0.0 75.2 112.8#





#62

4-Bromofluorobenzene

Concen: 79.704 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

T-15-E1-(20)

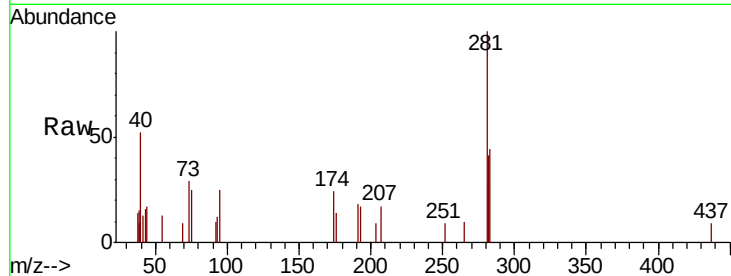
Tot Ion: 95 Resp: 630

Ion Ratio Lower Upper

95 100

174 54.3 0.0 186.4

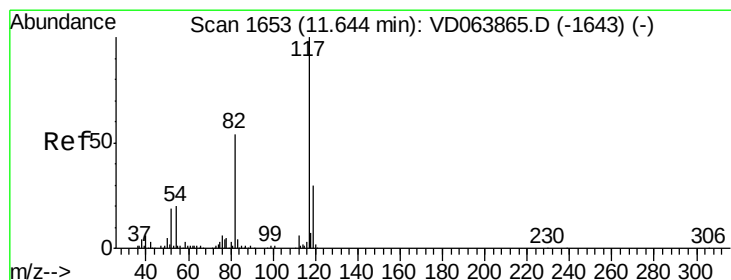
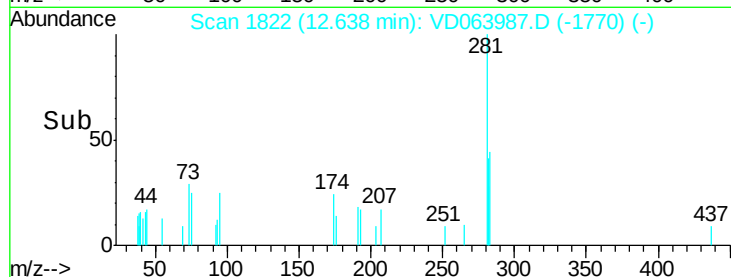
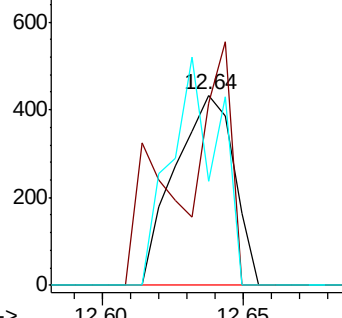
176 97.1 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

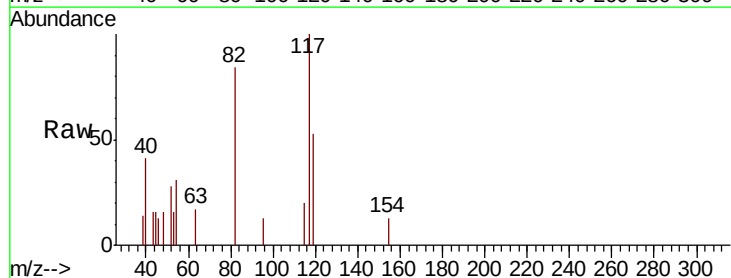
Tgt Ion: 117 Resp: 2004

Ion Ratio Lower Upper

117 100

82 83.7 42.8 64.2#

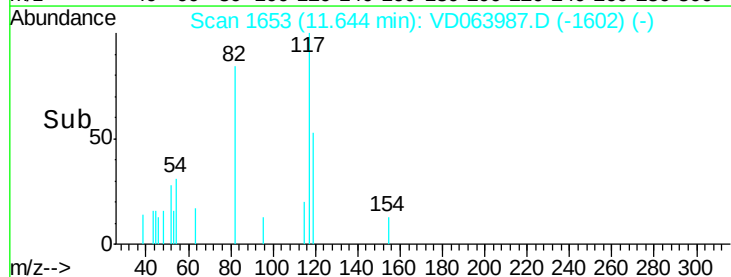
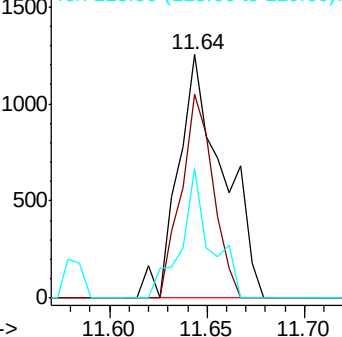
119 53.2 24.4 36.6#

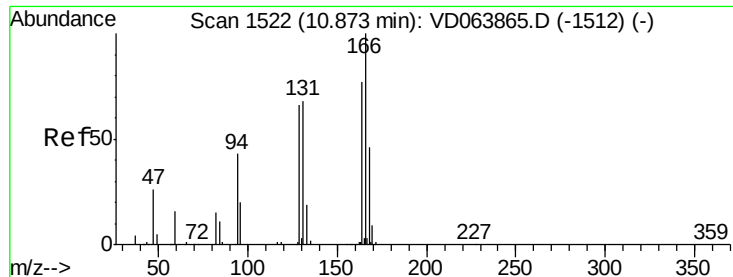


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 4.166 ug/l

RT: 11.04 min Scan# 1551

Delta R.T. 0.17 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

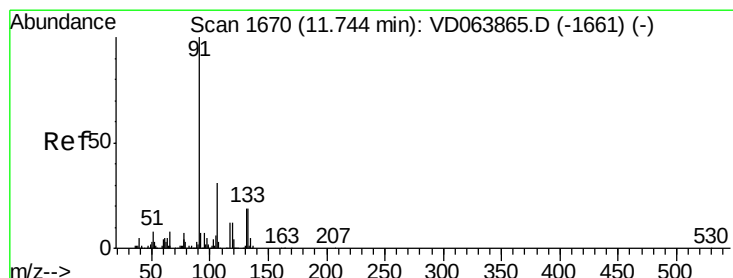
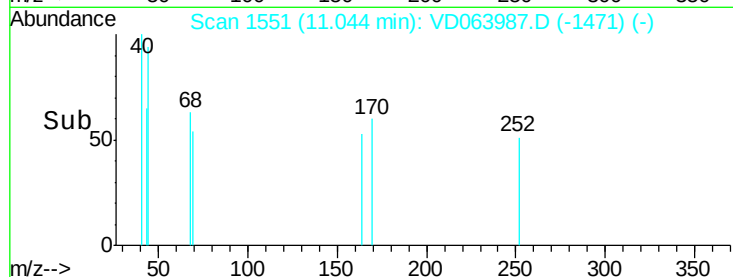
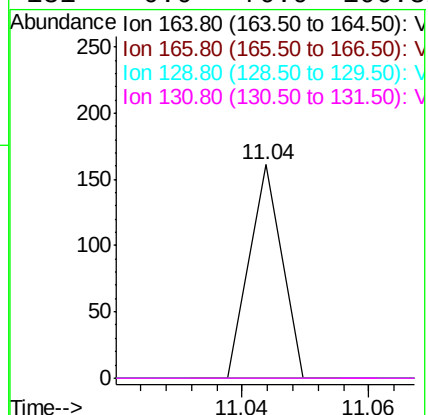
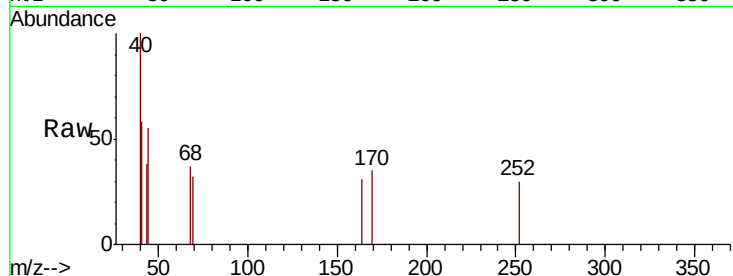
Instrument :

MSVOA_D

ClientSampleId :

T-15-E1-(20)

Tot Ion:	164	Resp:	57
Ion	Ratio	Lower	Upper
164	100		
166	0.0	103.8	155.6#
129	0.0	68.9	103.3#
131	0.0	70.9	106.3#



#67

Ethyl Benzene

Concen: 1.833 ug/l

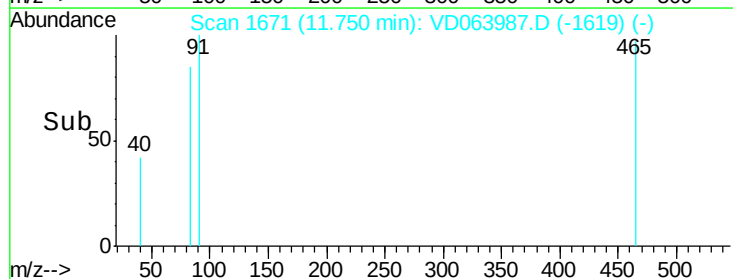
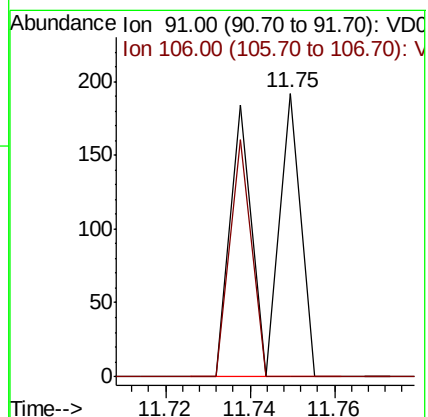
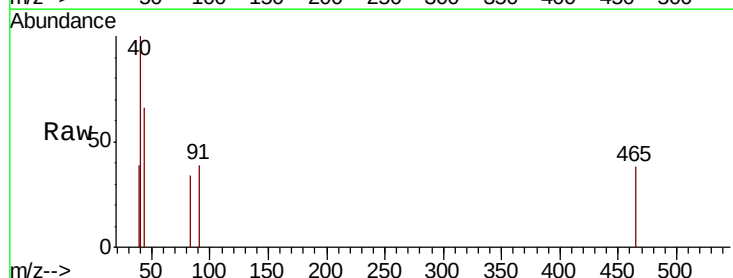
RT: 11.75 min Scan# 1671

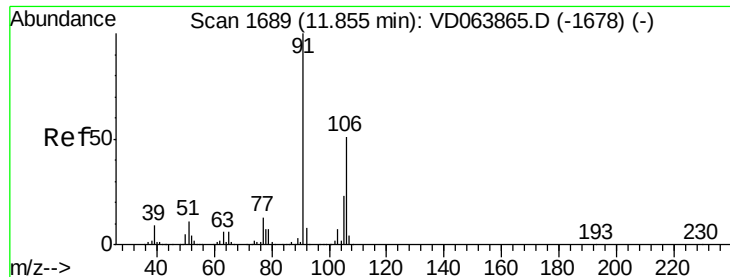
Delta R.T. 0.01 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Tgt Ion:	91	Resp:	133
Ion	Ratio	Lower	Upper
91	100		
106	0.0	24.6	37.0#

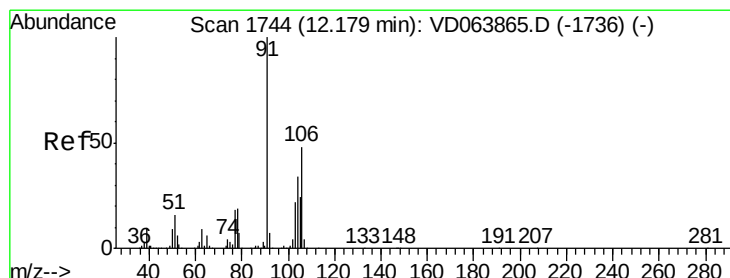
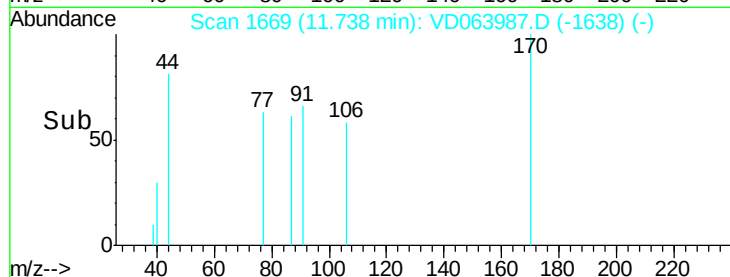
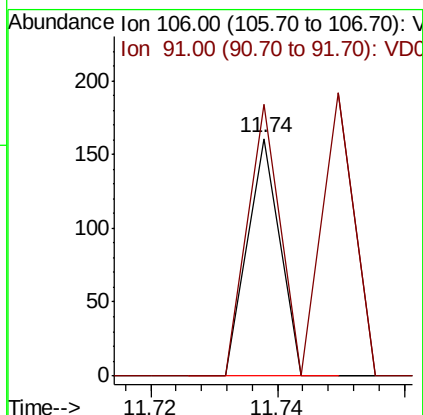
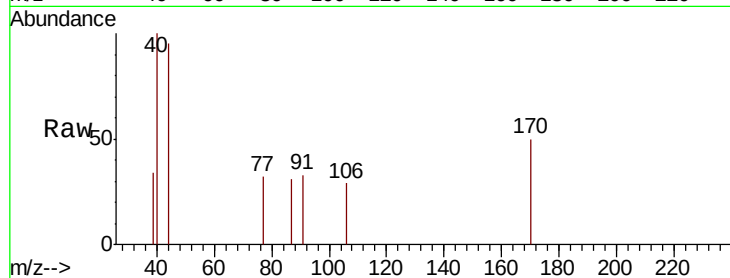




#68
m/p-Xylenes
Concen: 2.035 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.12 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

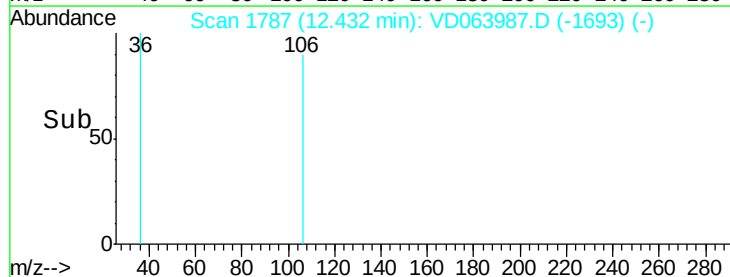
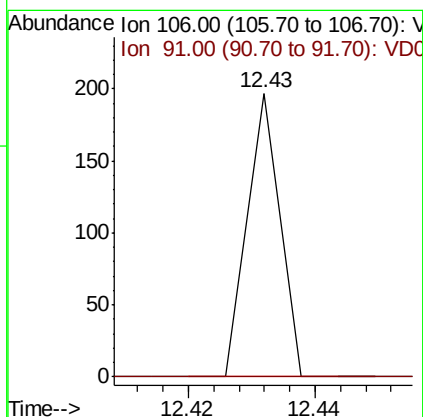
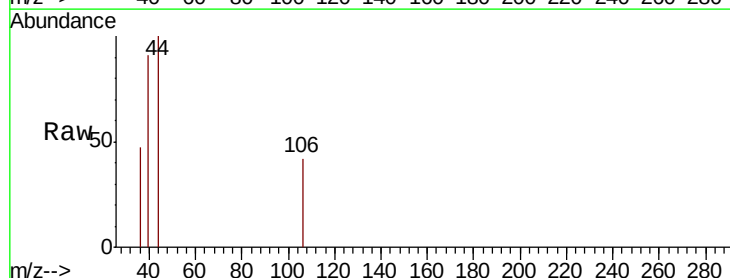
Instrument :
MSVOA_D
ClientSampleId :
T-15-E1-(20)

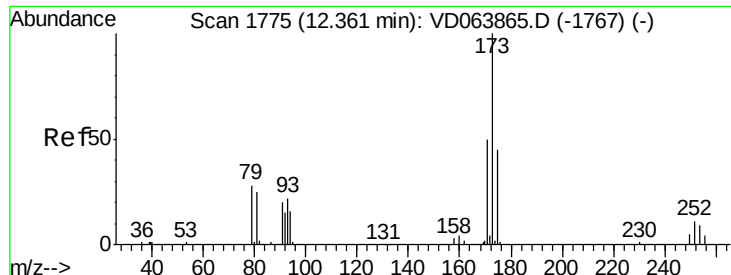
Tot Ion:106 Resp: 57
Ion Ratio Lower Upper
106 100
91 233.3 154.8 232.2#



#69
o-Xylene
Concen: 2.610 ug/l
RT: 12.43 min Scan# 1787
Delta R.T. 0.25 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

Tgt Ion:106 Resp: 70
Ion Ratio Lower Upper
106 100
91 0.0 103.9 311.7#

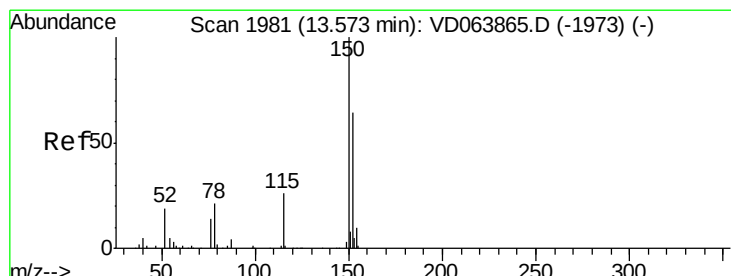
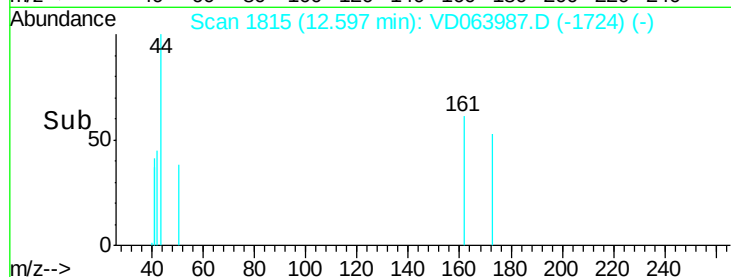
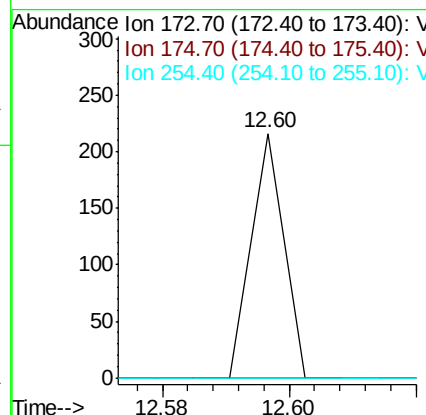
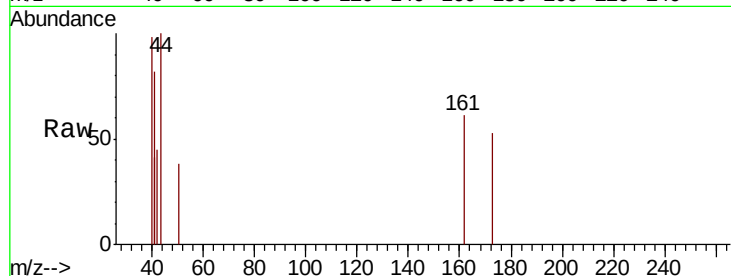




#71
Bromoform
Concen: 9.549 ug/l
RT: 12.60 min Scan# 1815
Delta R.T. 0.24 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

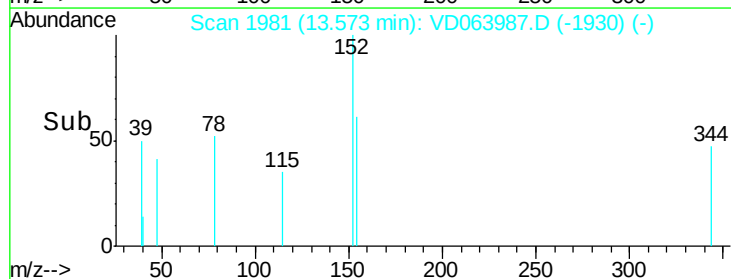
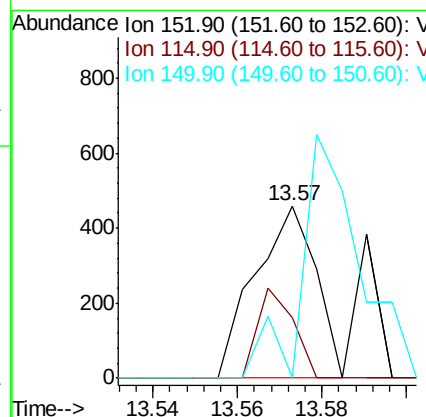
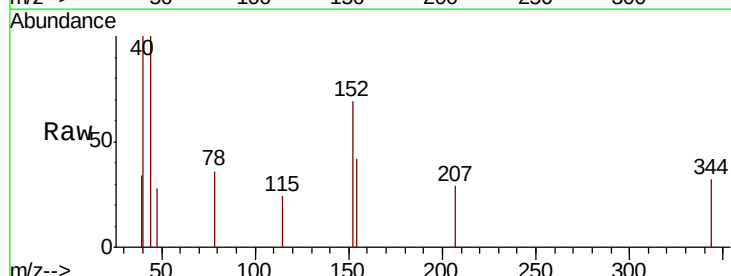
Instrument :
MSVOA_D
ClientSampleId :
T-15-E1-(20)

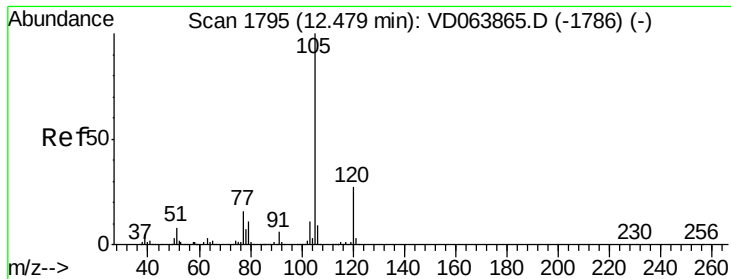
Tot Ion:173 Resp: 76
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063987.D
Acq: 16 Oct 2019 15:07

Tgt Ion:152 Resp: 462
Ion Ratio Lower Upper
152 100
115 30.5 25.9 77.7
150 131.4 0.0 344.2





#73

Isopropylbenzene

Concen: 2.028 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

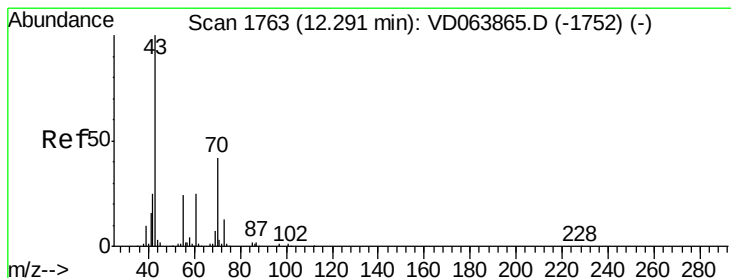
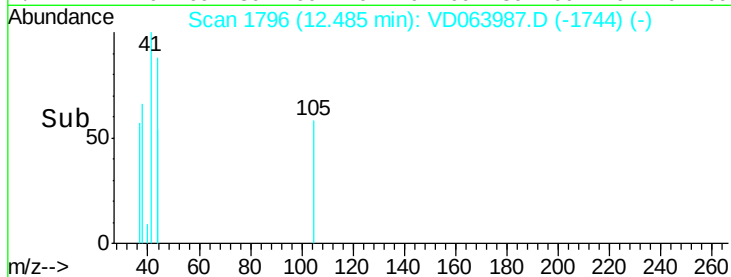
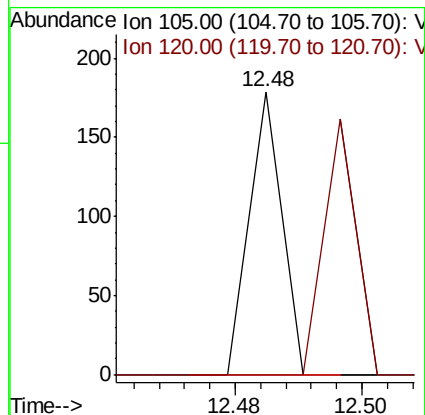
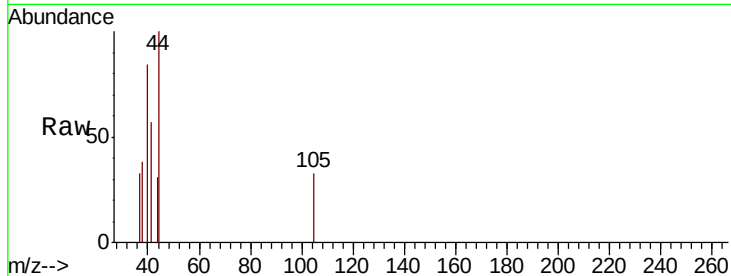
T-15-E1-(20)

Tot Ion:105 Resp: 63

Ion Ratio Lower Upper

105 100

120 90.5 13.3 39.8#



#74

N-ethyl acetate

Concen: 8.524 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Tgt Ion: 43 Resp: 57

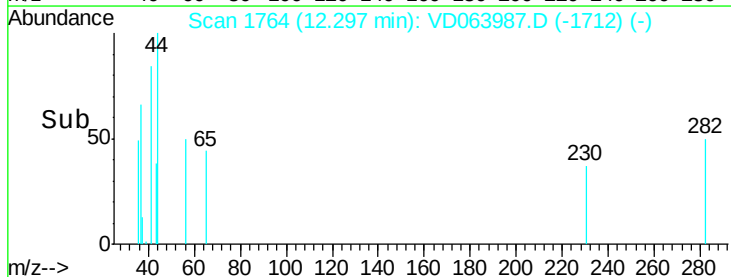
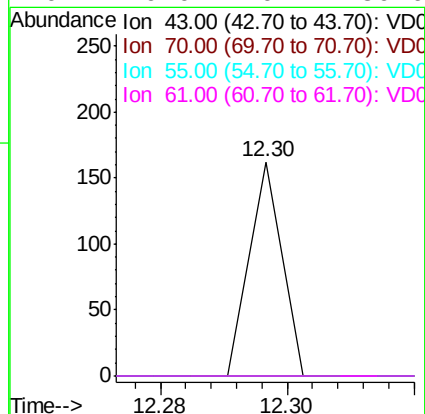
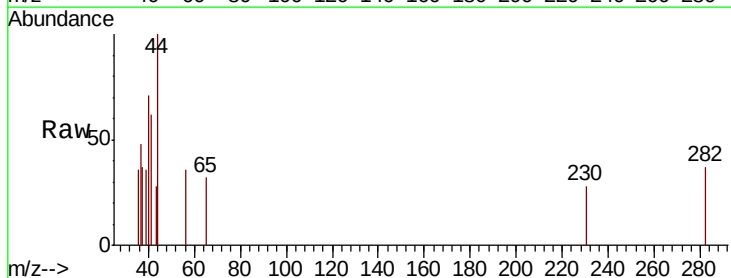
Ion Ratio Lower Upper

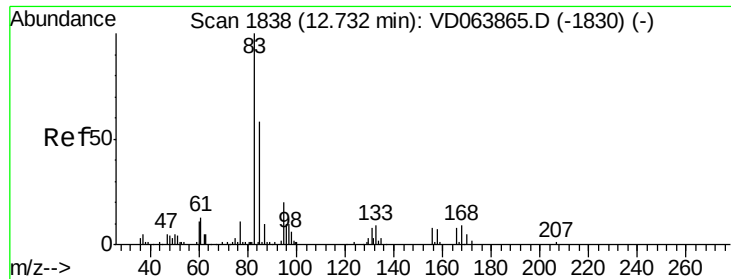
43 100

70 0.0 35.8 53.6#

55 0.0 19.4 29.0#

61 0.0 20.4 30.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 10.177 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.25 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

T-15-E1-(20)

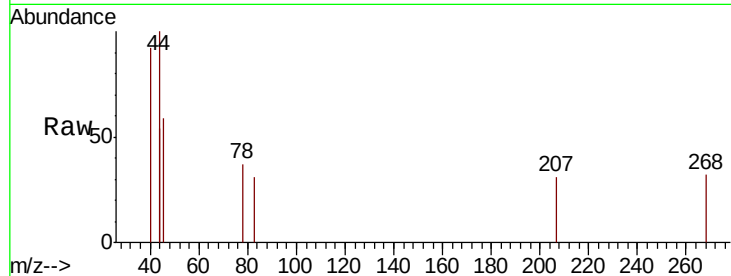
Tot Ion: 83 Resp: 55

Ion Ratio Lower Upper

83 100

131 109.1 5.6 16.8#

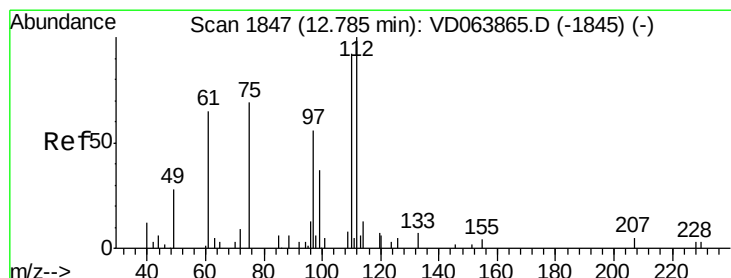
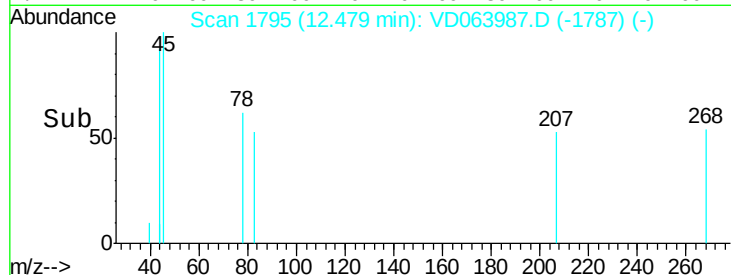
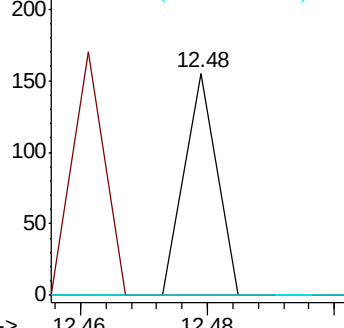
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 17.451 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.05 min

Lab File: VD063987.D

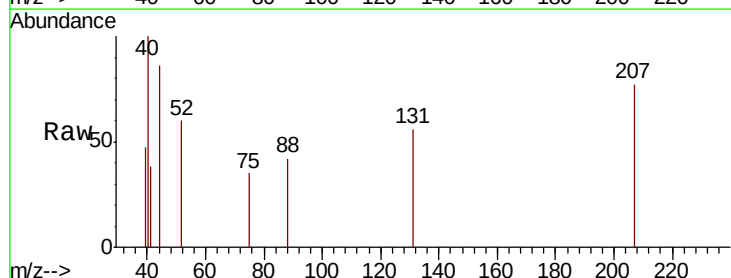
Acq: 16 Oct 2019 15:07

Tgt Ion: 75 Resp: 54

Ion Ratio Lower Upper

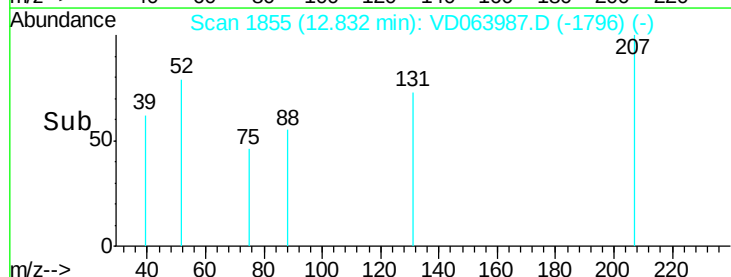
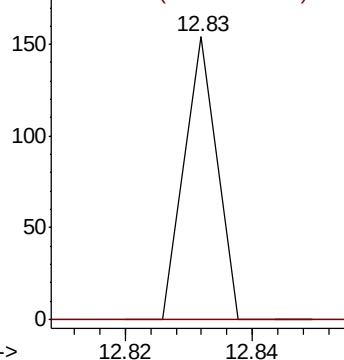
75 100

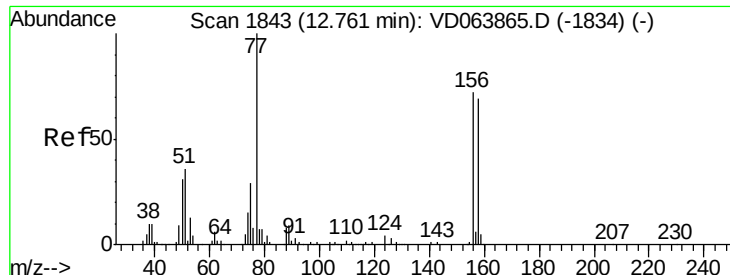
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 7.366 ug/l

RT: 12.70 min Scan# 1832

Delta R.T. -0.06 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

T-15-E1-(20)

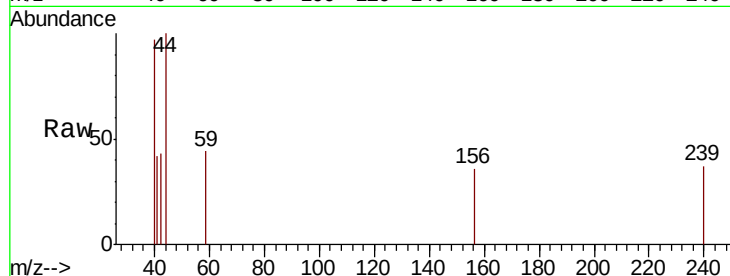
Tot Ion:156 Resp: 57

Ion Ratio Lower Upper

156 100

77 0.0 80.3 241.0#

158 0.0 47.4 142.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V

12.70

150

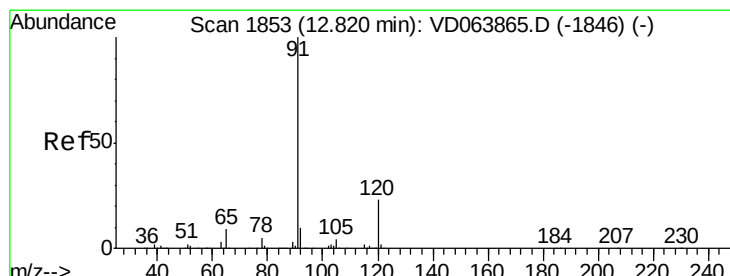
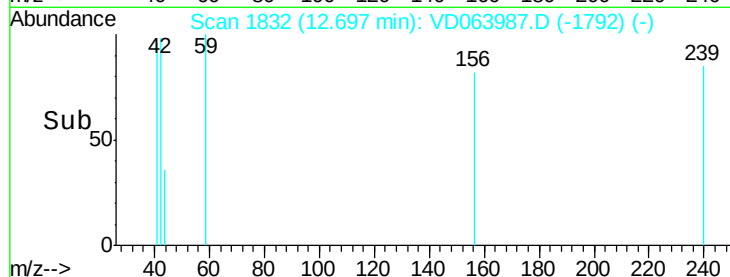
100

50

0

12.68 12.70

Time-->



#78

n-propylbenzene

Concen: 2.222 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.03 min

Lab File: VD063987.D

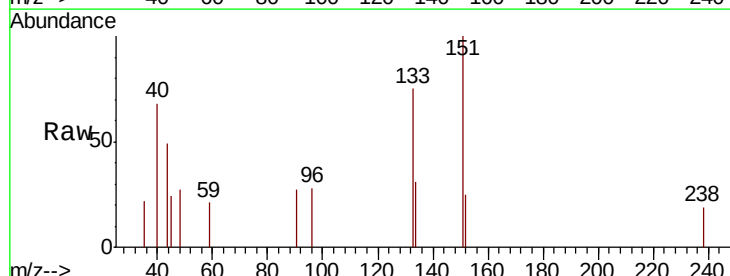
Acq: 16 Oct 2019 15:07

Tgt Ion: 91 Resp: 81

Ion Ratio Lower Upper

91 100

120 0.0 12.0 36.0#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

250

200

150

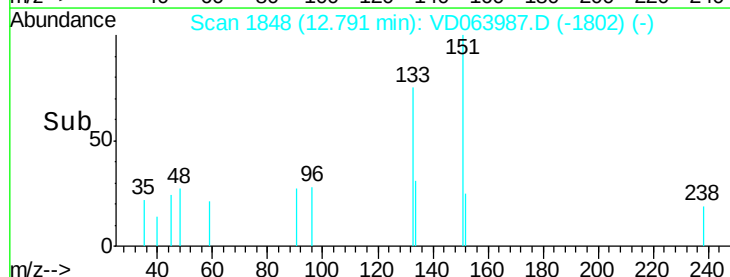
100

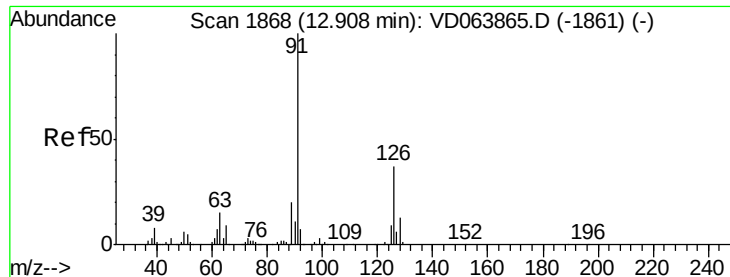
50

0

12.78 12.80

Time-->





#79

2-Chlorotoluene

Concen: 4.030 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.12 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

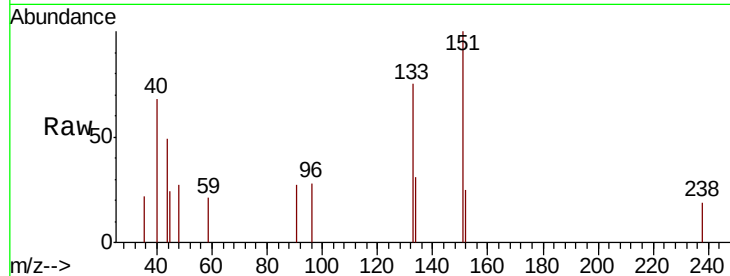
T-15-E1-(20)

Tot Ion: 91.00 Resp: 81

Ion Ratio Lower Upper

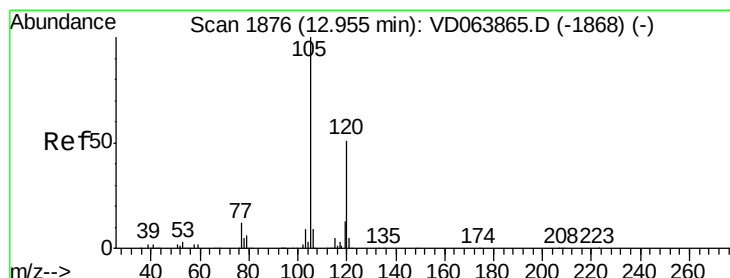
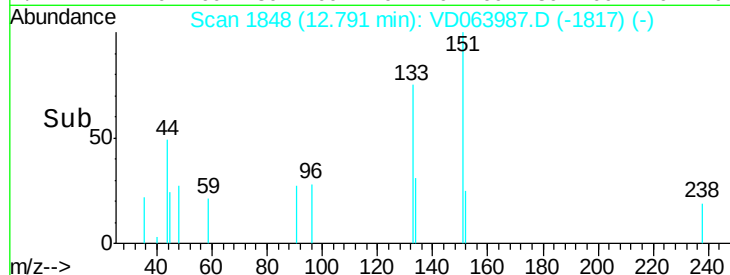
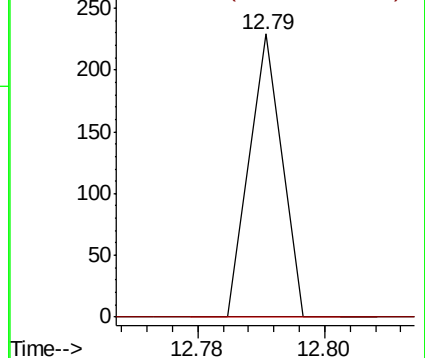
91 100

126 0.0 18.4 55.2#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 2.084 ug/l

RT: 12.95 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VD063987.D

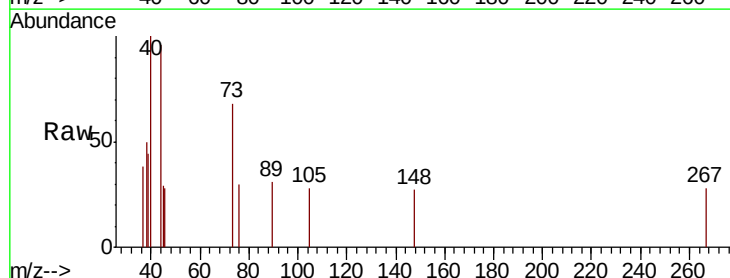
Acq: 16 Oct 2019 15:07

Tgt Ion:105 Resp: 54

Ion Ratio Lower Upper

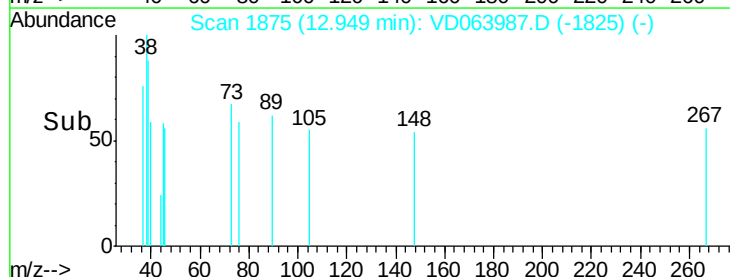
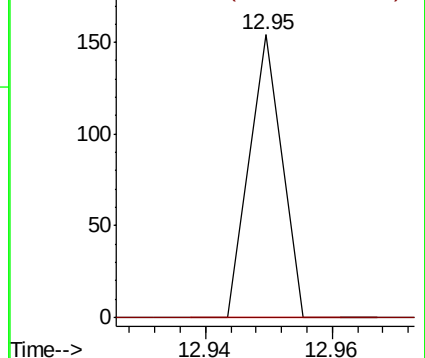
105 100

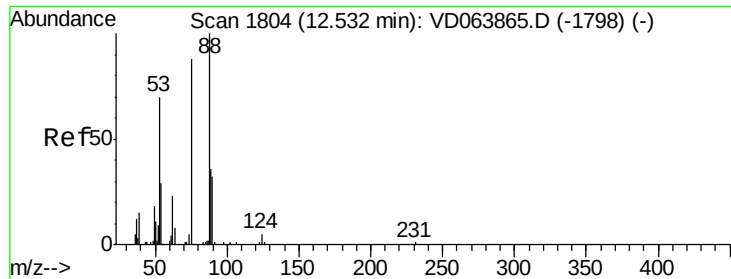
120 0.0 25.9 77.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 315.106 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

T-15-E1-(20)

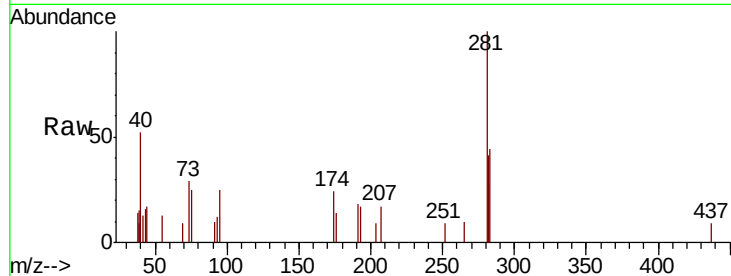
Tot Ion: 75 Resp: 551

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

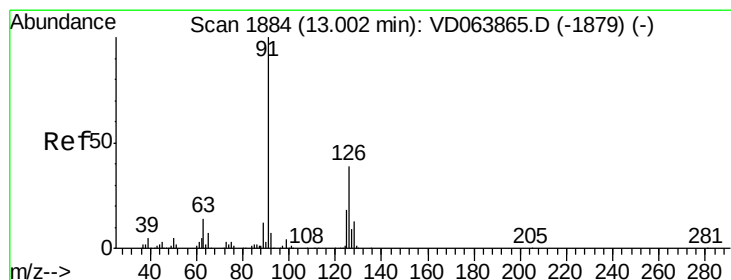
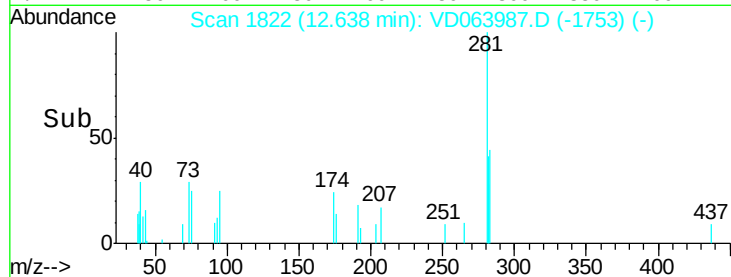
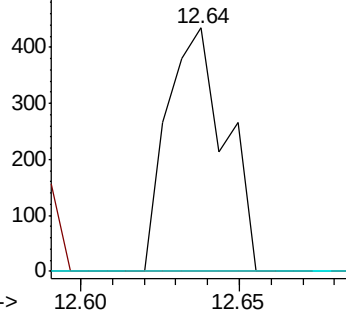
89 0.0 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 3.799 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.21 min

Lab File: VD063987.D

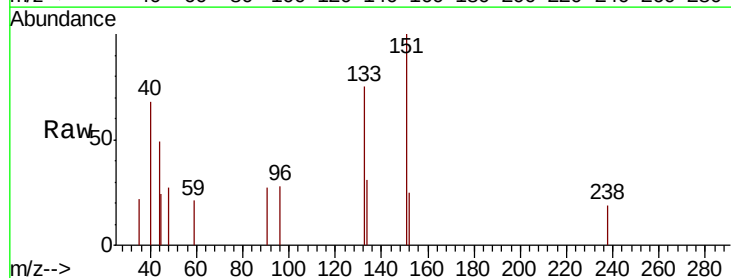
Acq: 16 Oct 2019 15:07

Tgt Ion: 91 Resp: 81

Ion Ratio Lower Upper

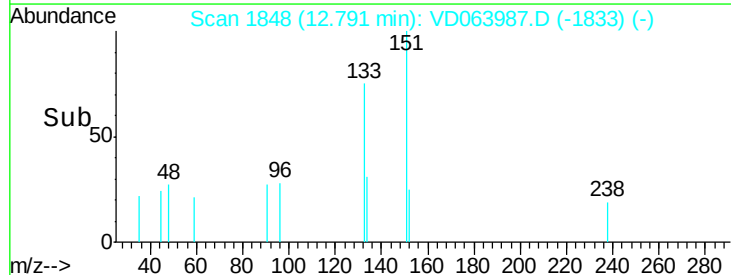
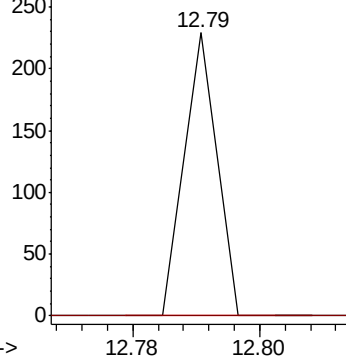
91 100

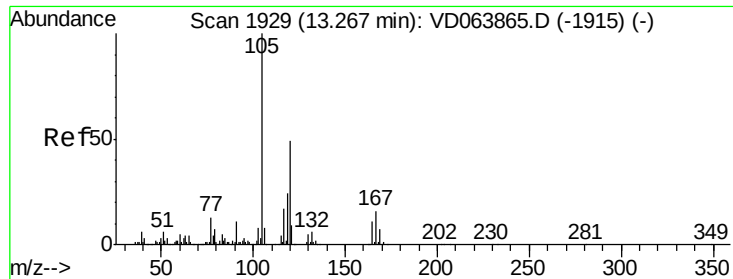
126 0.0 18.6 55.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

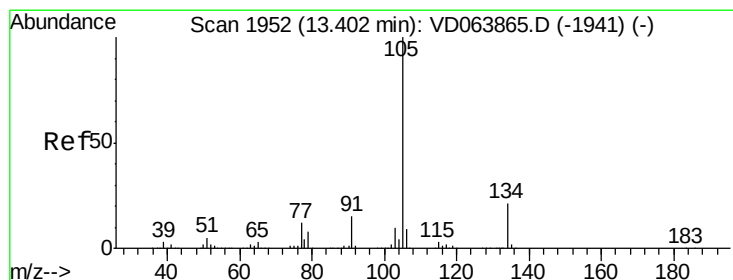
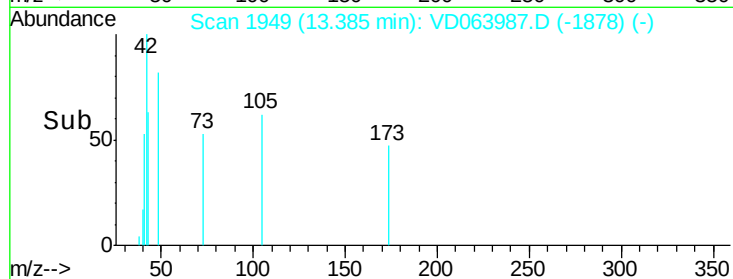
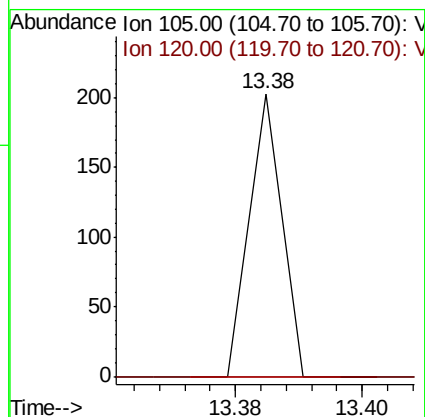
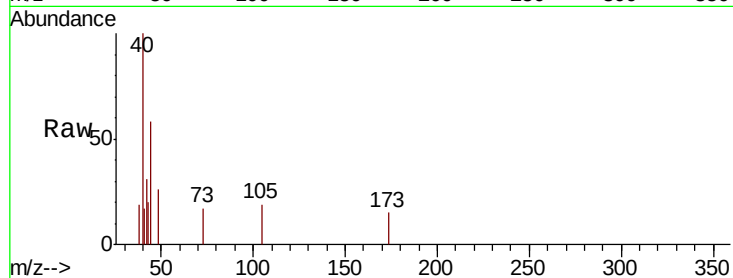




#84
 1,2,4-Trimethylbenzene
 Concen: 2.695 ug/l
 RT: 13.38 min Scan# 1949
 Delta R.T. 0.12 min
 Lab File: VD063987.D
 Acq: 16 Oct 2019 15:07

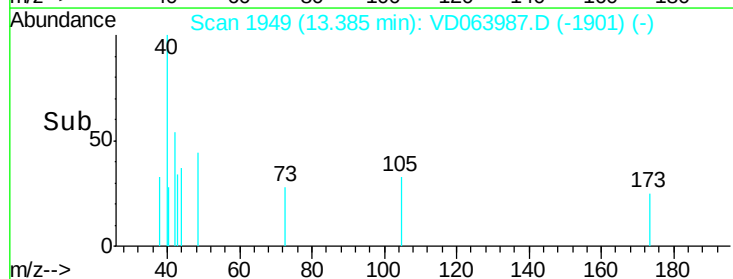
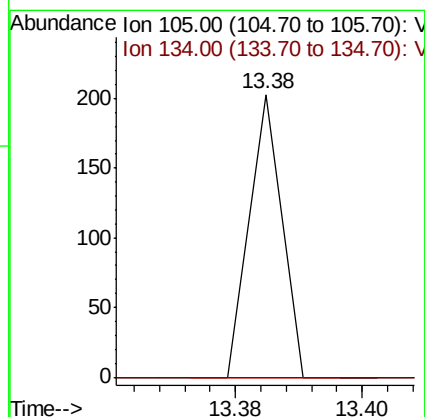
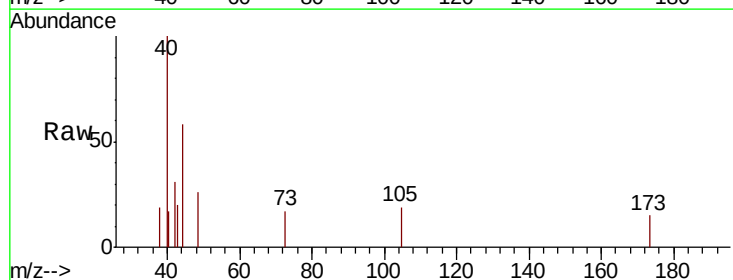
Instrument :
 MSVOA_D
 ClientSampleId :
 T-15-E1-(20)

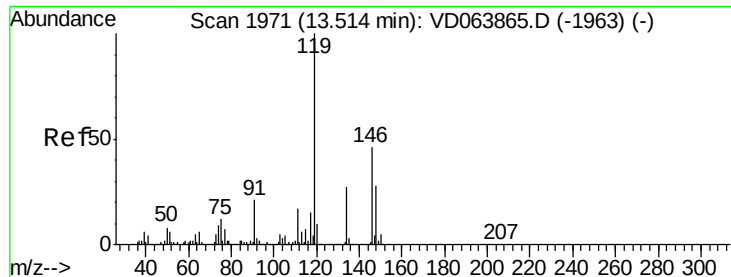
Tot Ion:105 Resp: 72
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.8 71.5#



#85
 sec-Butylbenzene
 Concen: 2.312 ug/l
 RT: 13.38 min Scan# 1949
 Delta R.T. -0.02 min
 Lab File: VD063987.D
 Acq: 16 Oct 2019 15:07

Tgt Ion:105 Resp: 72
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.6 31.8#

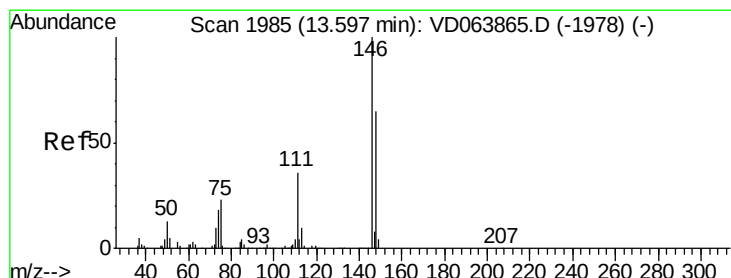
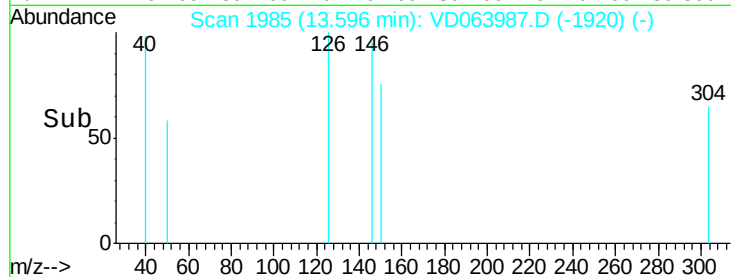
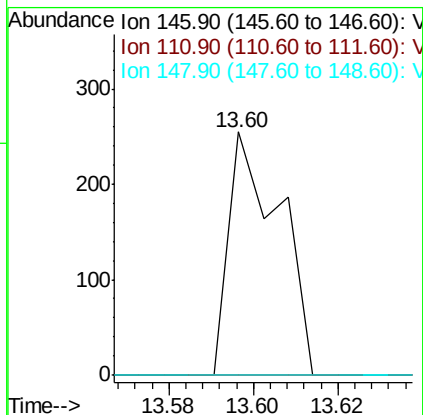
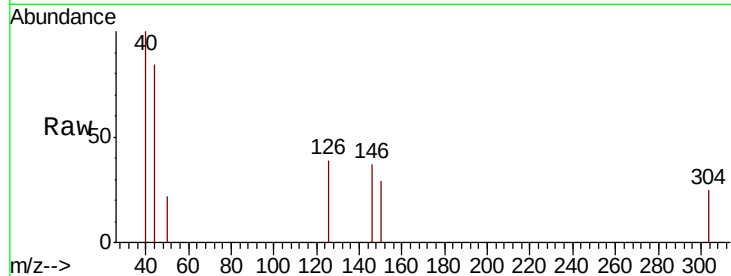




#87
 1,3-Dichlorobenzene
 Concen: 13.997 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.08 min
 Lab File: VD063987.D
 Acq: 16 Oct 2019 15:07

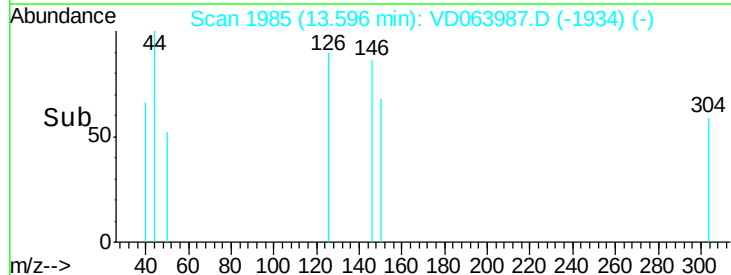
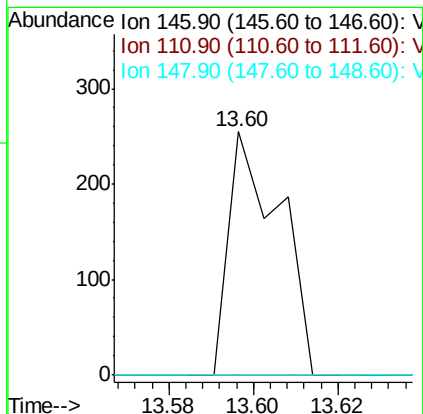
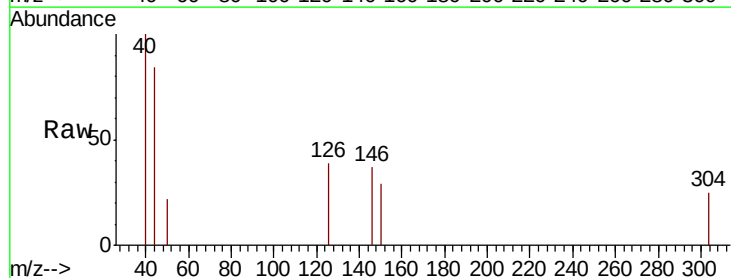
Instrument :
 MSVOA_D
 ClientSampleId :
 T-15-E1-(20)

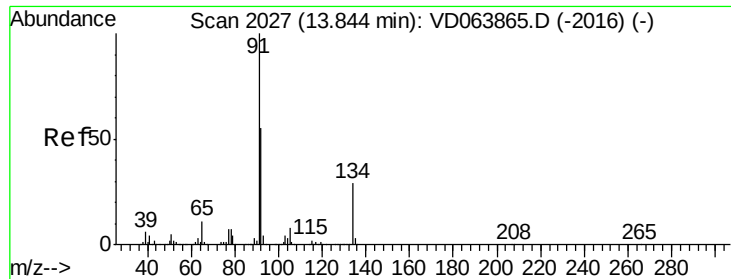
Tot Ion:146 Resp: 214
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.3 54.9#
 148 0.0 31.8 95.4#



#88
 1,4-Dichlorobenzene
 Concen: 14.188 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063987.D
 Acq: 16 Oct 2019 15:07

Tgt Ion:146 Resp: 214
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.6 56.0#
 148 0.0 32.6 98.0#





#89

n-Butylbenzene

Concen: 8.604 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.01 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

T-15-E1-(20)

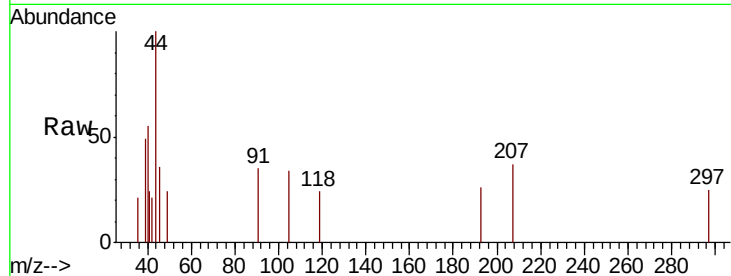
Tot Ion: 91 Resp: 236

Ion Ratio Lower Upper

91 100

92 0.0 26.8 80.3#

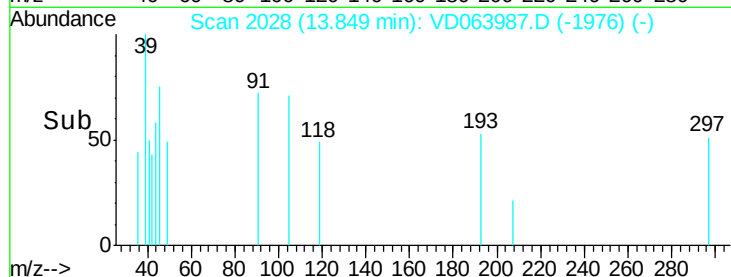
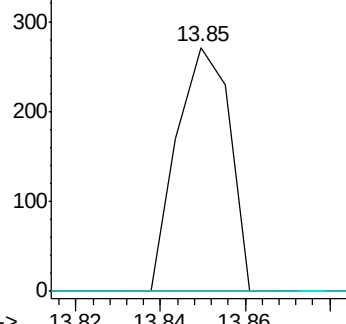
134 0.0 14.4 43.0#



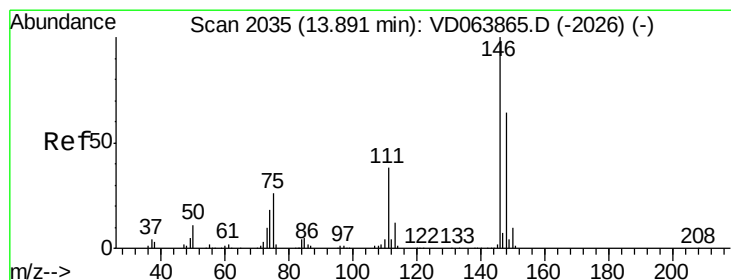
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#91

1,2-Dichlorobenzene

Concen: 4.402 ug/l

RT: 13.88 min Scan# 2034

Delta R.T. -0.01 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

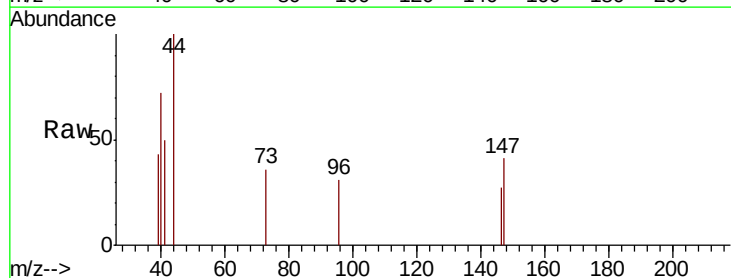
Tgt Ion: 146 Resp: 58

Ion Ratio Lower Upper

146 100

111 0.0 18.6 55.6#

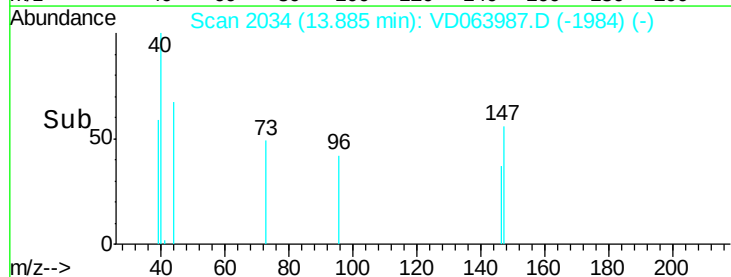
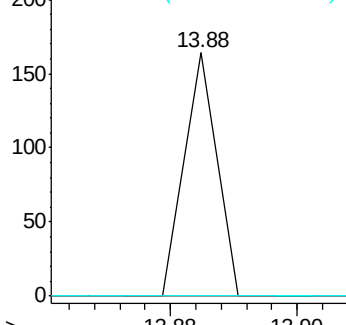
148 0.0 31.6 95.0#

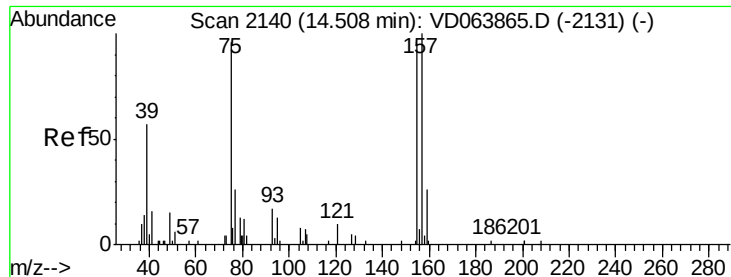


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 70.058 ug/l

RT: 14.36 min Scan# 2114

Delta R.T. -0.15 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

Instrument :

MSVOA_D

ClientSampleId :

T-15-E1-(20)

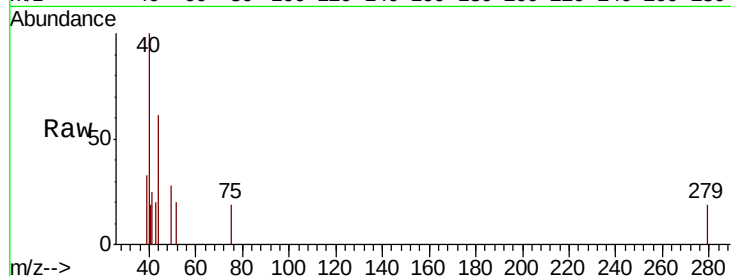
Tot Ion: 75 Resp: 58

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

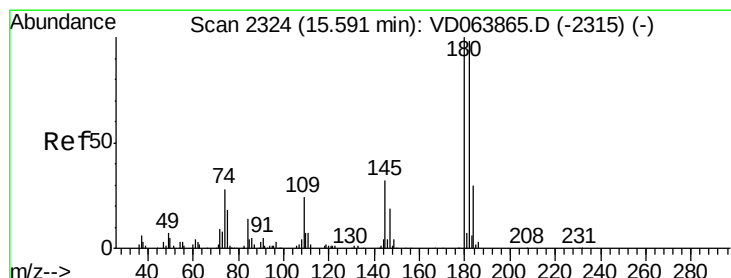
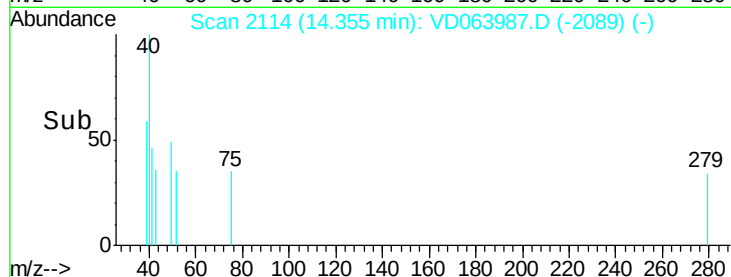
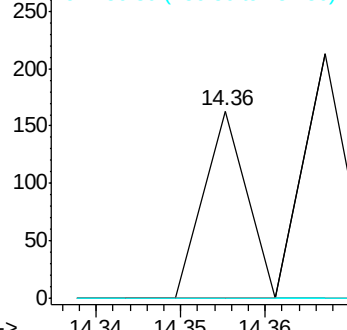
157 0.0 56.0 167.9#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#96

1,2,3-Trichlorobenzene

Concen: 8.094 ug/l

RT: 15.77 min Scan# 2355

Delta R.T. 0.18 min

Lab File: VD063987.D

Acq: 16 Oct 2019 15:07

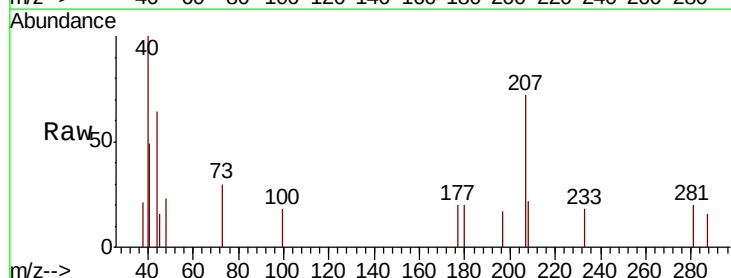
Tgt Ion: 180 Resp: 71

Ion Ratio Lower Upper

180 100

182 0.0 47.0 141.0#

145 0.0 15.3 45.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

