

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW050919\
 Data File : VW010332.D
 Acq On : 09 May 2019 12:06
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: May 09 13:13:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:10:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1344646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2158381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1947043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	980308	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	292189	17.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.22%	
35) Dibromofluoromethane	7.88	113	257952	18.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.60%	
50) Toluene-d8	10.32	98	1051601	20.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.90%	
62) 4-Bromofluorobenzene	12.62	95	359846	19.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	191333	18.662	ug/l	97
3) Chloromethane	2.21	50	253507	24.725	ug/l	98
4) Vinyl Chloride	2.37	62	330314	27.716	ug/l	98
5) Bromomethane	2.77	94	186766	23.319	ug/l	99
6) Chloroethane	2.92	64	190409	24.452	ug/l	98
7) Trichlorofluoromethane	3.25	101	161174	19.560	ug/l	94
8) Diethyl Ether	3.67	74	151612	22.119	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	278028	20.052	ug/l	97
10) Methyl Iodide	4.26	142	388453	20.273	ug/l	95
11) Tert butyl alcohol	5.18	59	102847	108.811	ug/l	99
12) 1,1-Dichloroethene	4.04	96	285566	21.483	ug/l	91
13) Acrolein	3.89	56	137196	137.973	ug/l	97
14) Allyl chloride	4.66	41	419167	17.736	ug/l	91
15) Acrylonitrile	5.37	53	420499	119.208	ug/l	99
16) Acetone	4.12	43	358760	93.183	ug/l	95
17) Carbon Disulfide	4.37	76	853047	23.394	ug/l	99
18) Methyl Acetate	4.67	43	190027	21.326	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	357897	20.729	ug/l	98
20) Methylene Chloride	4.91	84	303813	17.152	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	314921	21.878	ug/l	94
22) Diisopropyl ether	6.31	45	892074	18.609	ug/l	93
23) Vinyl Acetate	6.25	43	3023231	100.181	ug/l	96
24) 1,1-Dichloroethane	6.21	63	572106	19.964	ug/l	100
25) 2-Butanone	7.17	43	580612	114.802	ug/l	97
26) 2,2-Dichloropropane	7.16	77	286883	18.094	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	322283	20.358	ug/l	96
28) Bromochloromethane	7.51	49	239425	20.444	ug/l	100
29) Tetrahydrofuran	7.53	42	384335	119.932	ug/l	96
30) Chloroform	7.67	83	543967	18.944	ug/l	99
31) Cyclohexane	7.95	56	569516	21.223	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	407713	18.086	ug/l	99
36) 1,1-Dichloropropene	8.08	75	466497	21.159	ug/l	99
37) Ethyl Acetate	7.26	43	262920	23.468	ug/l	99
38) Carbon Tetrachloride	8.06	117	389766	18.114	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	546808	22.040	ug/l	98
40) Benzene	8.32	78	1281439	21.257	ug/l	99
41) Methacrylonitrile	7.48	41	139893	21.909	ug/l	95
42) 1,2-Dichloroethane	8.40	62	371024	17.909	ug/l	96
43) Isopropyl Acetate	8.43	43	416895	19.858	ug/l	99
44) Trichloroethene	9.09	130	314189	20.520	ug/l	95
45) 1,2-Dichloropropane	9.37	63	317977	20.067	ug/l	97
46) Dibromomethane	9.46	93	164814	20.068	ug/l	96
47) Bromodichloromethane	9.64	83	396489	18.702	ug/l	99
48) Methyl methacrylate	9.44	41	194650	19.047	ug/l	84
49) 1,4-Dioxane	9.45	88	60248	480.106	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	1239786	112.753	ug/l	94
52) Toluene	10.39	92	794686	21.162	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	400413	19.050	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	474856	19.785	ug/l	89
55) 1,1,2-Trichloroethane	10.79	97	234733	20.478	ug/l	98
56) Ethyl methacrylate	10.65	69	308816	21.671	ug/l #	87
57) 1,3-Dichloropropane	10.93	76	425486	20.710	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	801606	122.149	ug/l	99
59) 2-Hexanone	10.97	43	870928	113.785	ug/l	92
60) Dibromochloromethane	11.13	129	251643	18.994	ug/l	98
61) 1,2-Dibromoethane	11.24	107	227014	20.819	ug/l	97
64) Tetrachloroethene	10.86	164	263098	20.815	ug/l	97
65) Chlorobenzene	11.66	112	803035	20.151	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	271628	19.060	ug/l	98
67) Ethyl Benzene	11.73	91	1476586	20.768	ug/l	99
68) m/p-Xylenes	11.84	106	1111620	41.825	ug/l	100
69) o-Xylene	12.17	106	492247	20.341	ug/l	98
70) Styrene	12.18	104	883219	21.167	ug/l	98
71) Bromoform	12.35	173	154102	20.450	ug/l	97
73) Isopropylbenzene	12.47	105	1404277	20.582	ug/l	100
74) N-amyl acetate	12.27	43	365852	19.363	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.72	83	310692	23.049	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	400114	40.780	ug/l #	100
77) Bromobenzene	12.75	156	317219	20.216	ug/l	96
78) n-propylbenzene	12.80	91	1765591	20.880	ug/l	99
79) 2-Chlorotoluene	12.90	91	987606	20.308	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1219366	21.079	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	96617	23.220	ug/l	96
82) 4-Chlorotoluene	12.99	91	1052771	20.568	ug/l	99
83) tert-Butylbenzene	13.21	119	974779	20.348	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1215071	20.717	ug/l	100
85) sec-Butylbenzene	13.39	105	1465474	20.471	ug/l	99
86) p-Isopropyltoluene	13.50	119	1315144	20.843	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	635343	20.030	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	631966	19.961	ug/l	98
89) n-Butylbenzene	13.83	91	1305892	20.889	ug/l	99
90) Hexachloroethane	14.10	117	232236	19.216	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	573684	20.171	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	57409	23.799	ug/l	98

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Quant Title : SW846 8260
QLast Update : Thu May 09 13:10:52 2019
Response via : Initial Calibration

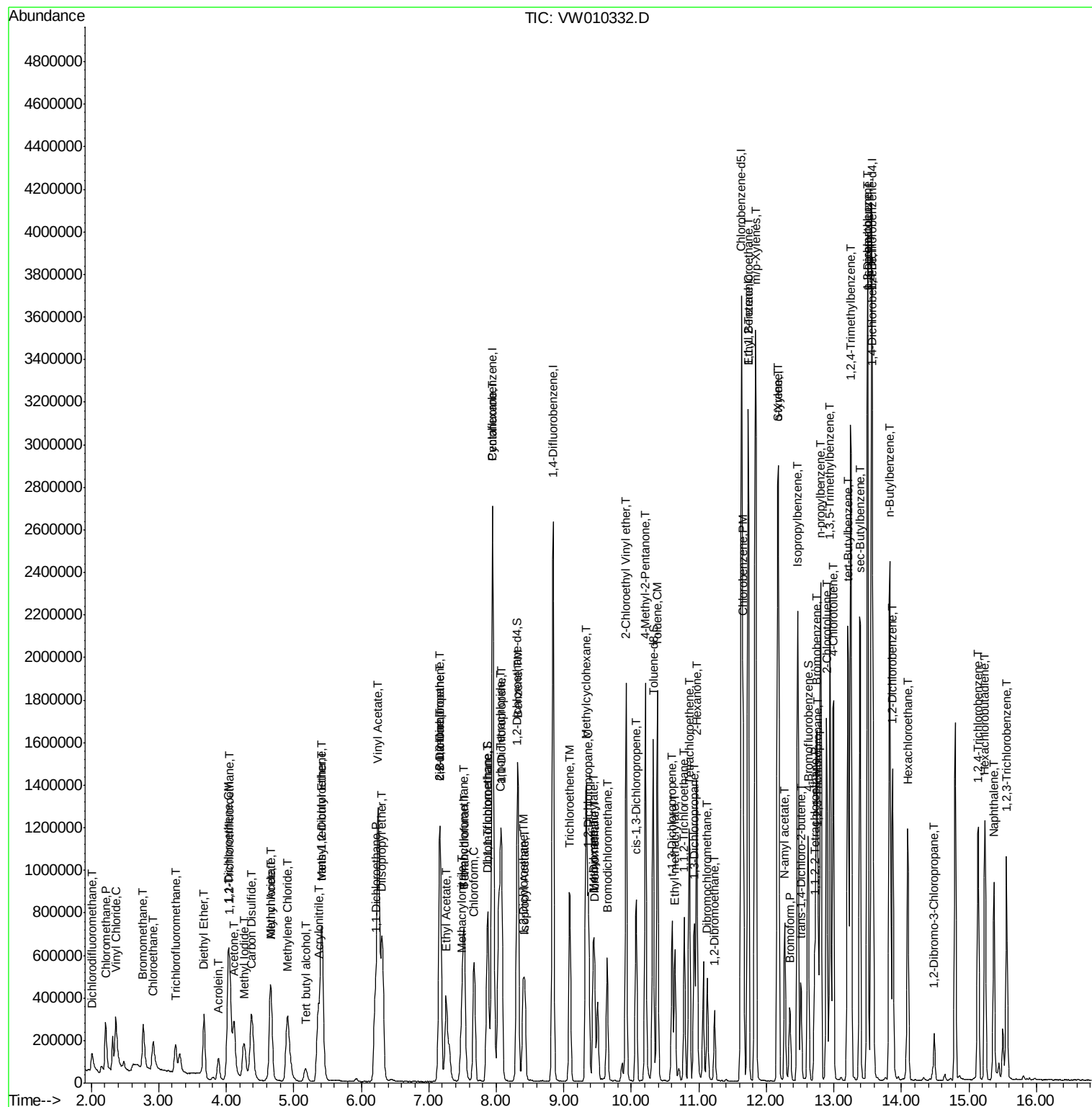
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	387785	20.668	ug/l	99
94) Hexachlorobutadiene	15.24	225	241928	21.233	ug/l	99
95) Naphthalene	15.37	128	781782	23.208	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	361255	22.192	ug/l	99

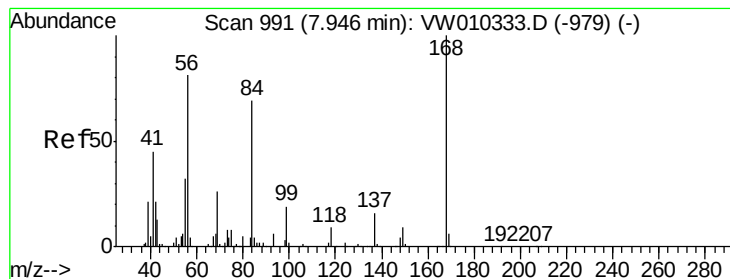
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

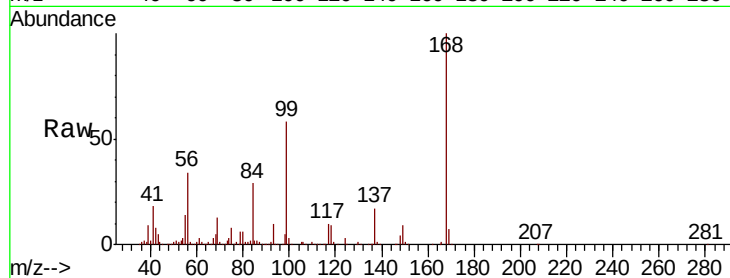
VSTDIC020

Tgt Ion:168 Resp: 1344646

Ion Ratio Lower Upper

168 100

99 58.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

600000

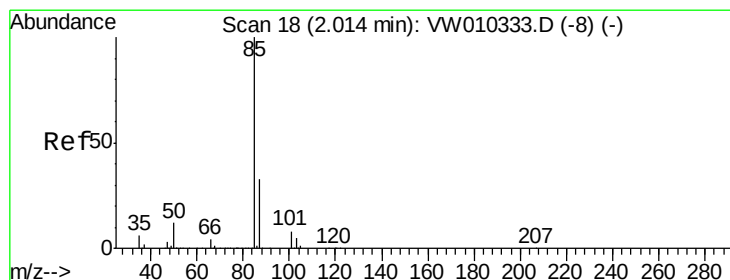
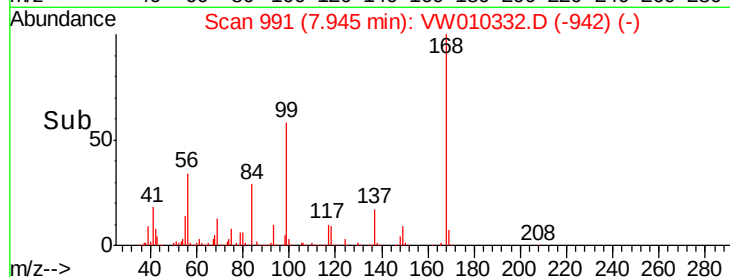
400000

200000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 18.662 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010332.D

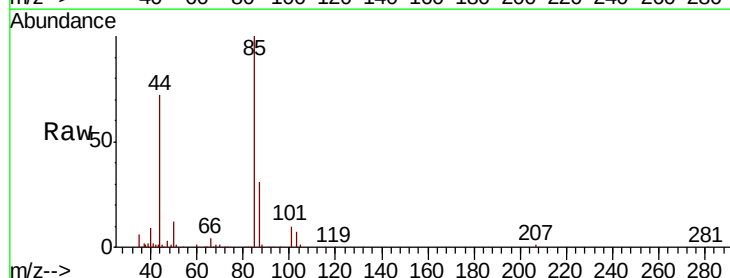
Acq: 09 May 2019 12:06

Tgt Ion: 85 Resp: 191333

Ion Ratio Lower Upper

85 100

87 31.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

30000

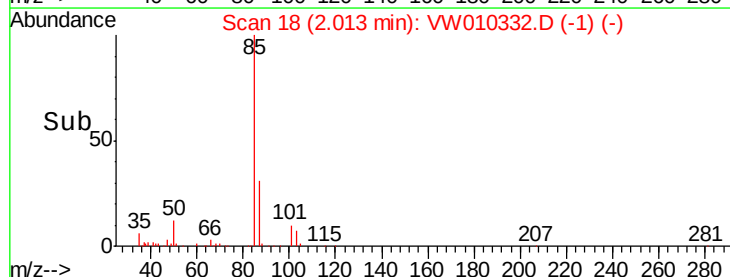
20000

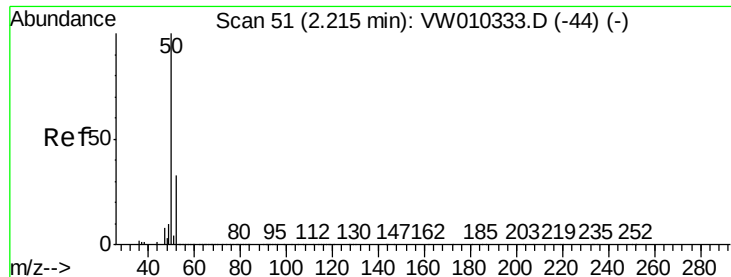
10000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 24.725 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

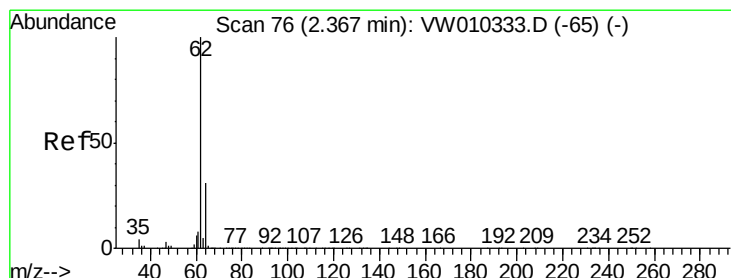
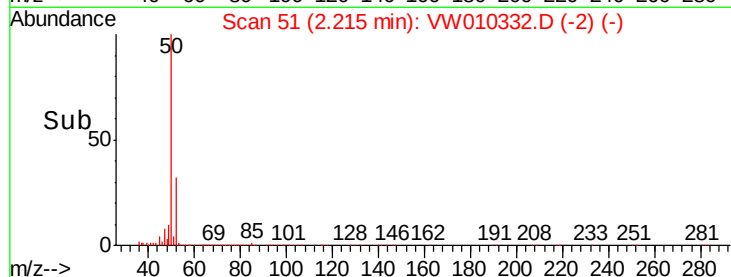
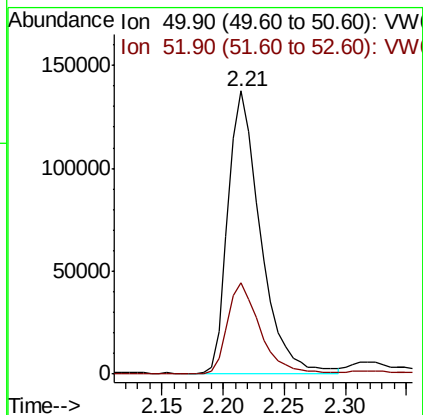
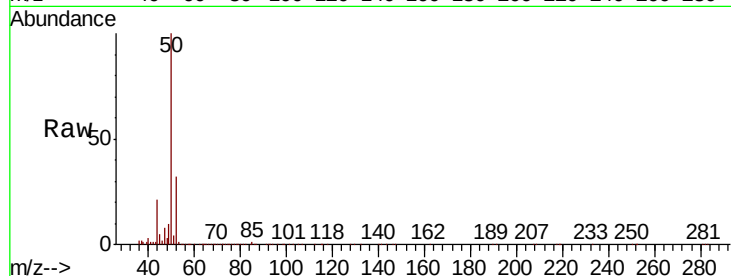
VSTDIC020

Tgt Ion: 50 Resp: 253507

Ion Ratio Lower Upper

50 100

52 32.4 25.0 37.6



#4

Vinyl Chloride

Concen: 27.716 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010332.D

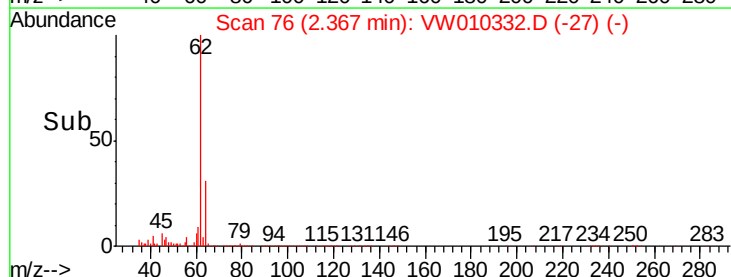
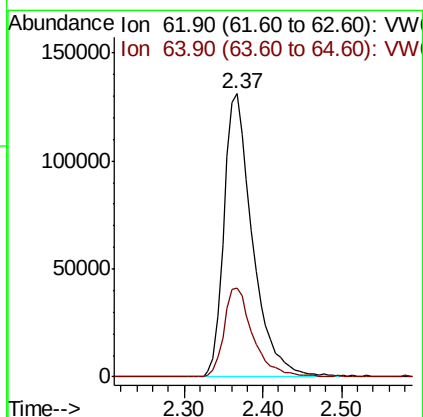
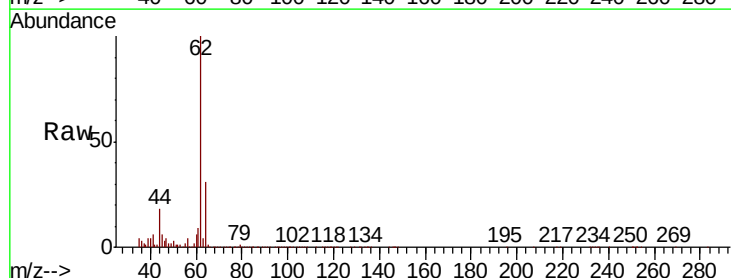
Acq: 09 May 2019 12:06

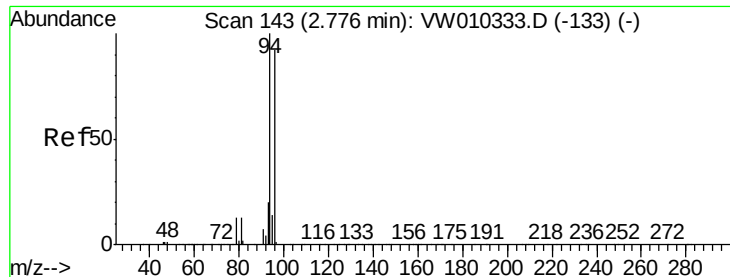
Tgt Ion: 62 Resp: 330314

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9





#5

Bromomethane

Concen: 23.319 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

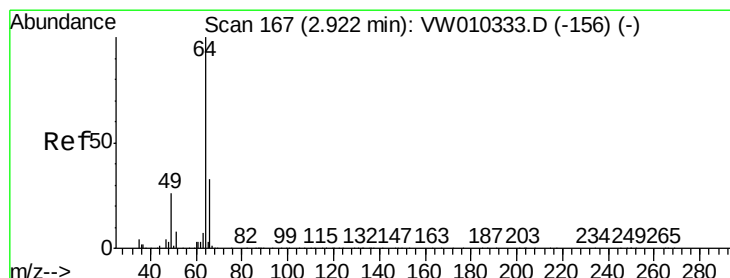
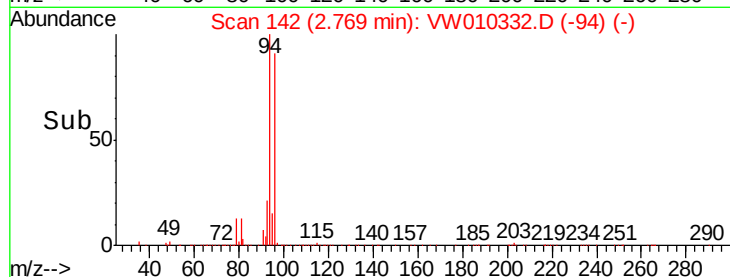
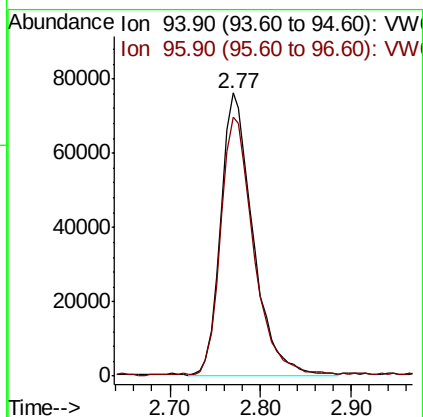
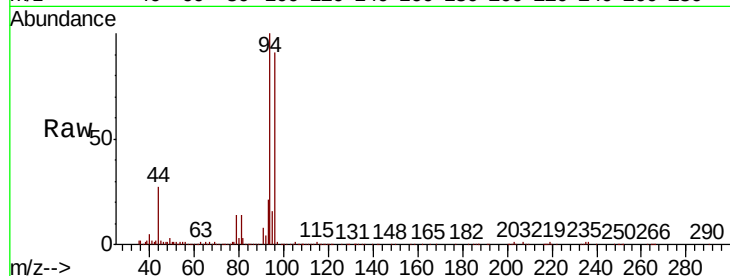
VSTDIC020

Tgt Ion: 94 Resp: 186766

Ion Ratio Lower Upper

94 100

96 91.4 74.2 111.2



#6

Chloroethane

Concen: 24.452 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010332.D

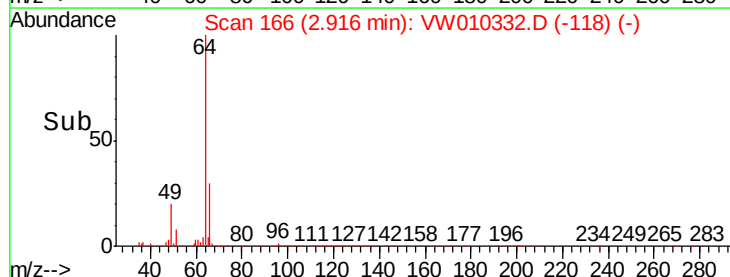
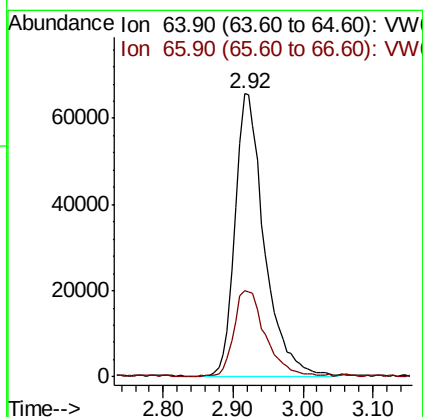
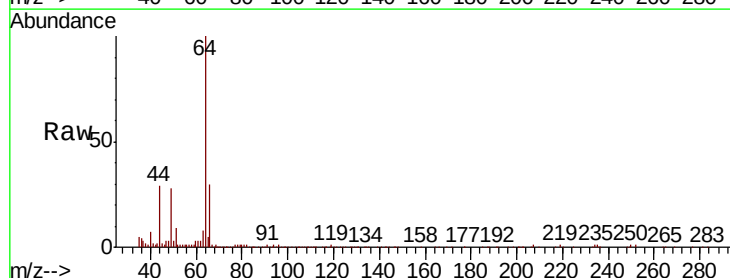
Acq: 09 May 2019 12:06

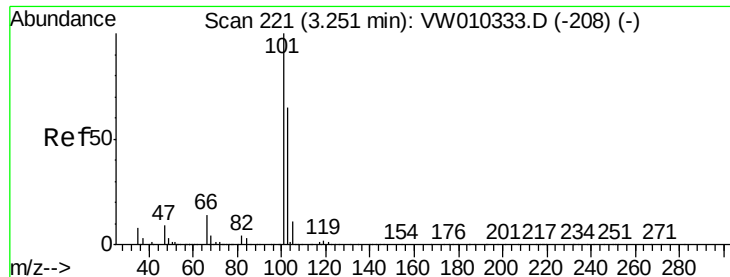
Tgt Ion: 64 Resp: 190409

Ion Ratio Lower Upper

64 100

66 30.1 23.4 35.0



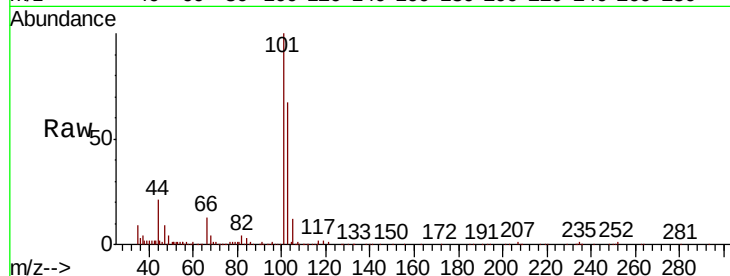


#7

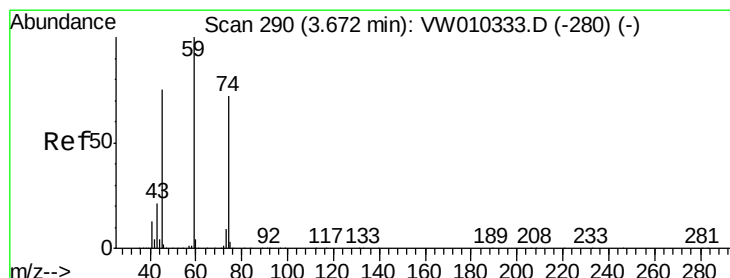
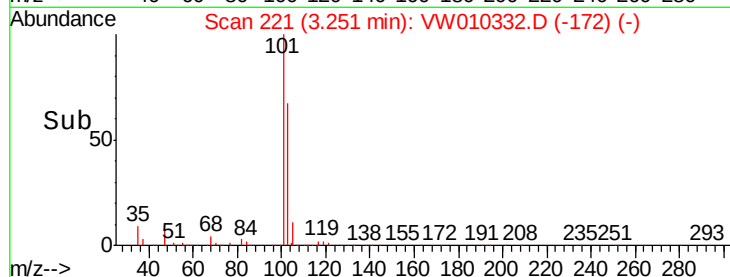
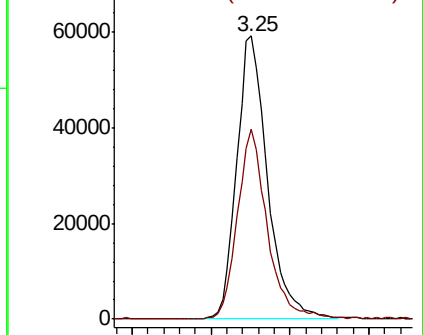
Trichlorofluoromethane
Concen: 19.560 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Instrument :
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ClientSampleId :
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Tgt Ion:101 Resp: 161174
Ion Ratio Lower Upper
101 100
103 66.9 49.8 74.6



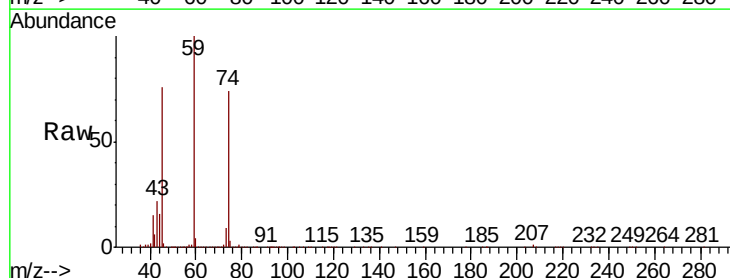
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



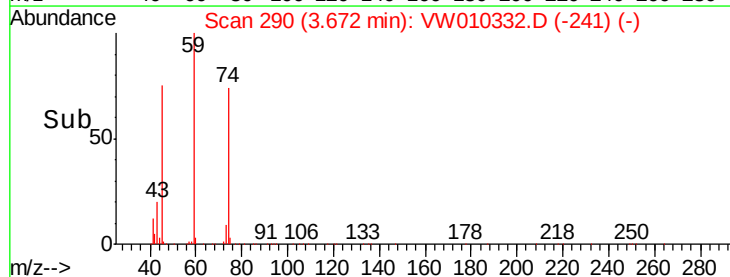
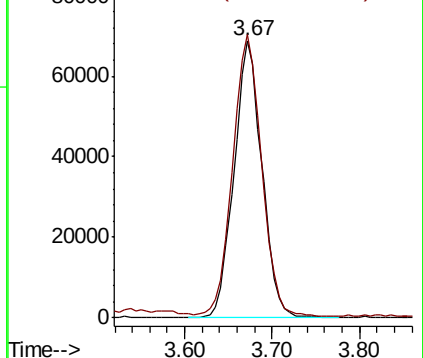
#8

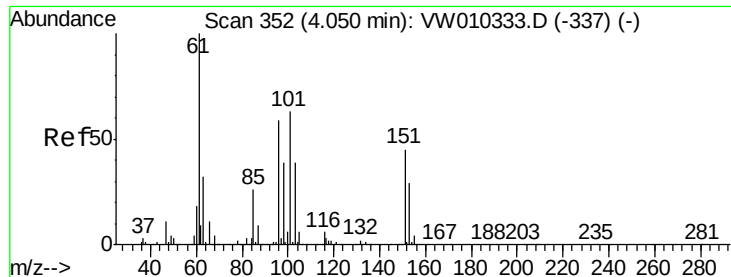
Diethyl Ether
Concen: 22.119 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010332.D
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Tgt Ion: 74 Resp: 151612
Ion Ratio Lower Upper
74 100
45 105.8 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.052 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

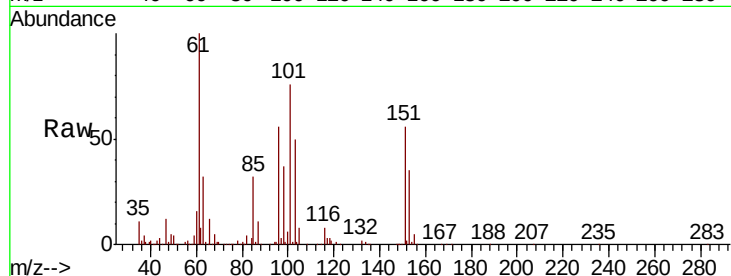
Tgt Ion:101 Resp: 278028

Ion Ratio Lower Upper

101 100

85 43.8 36.3 54.5

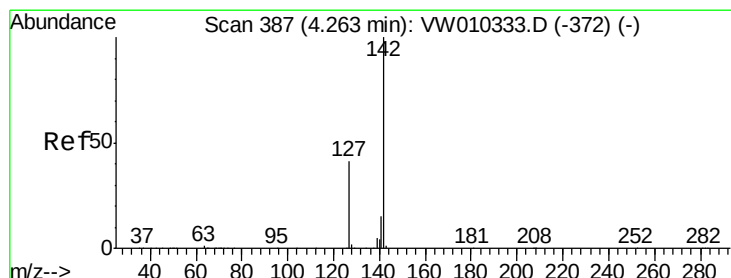
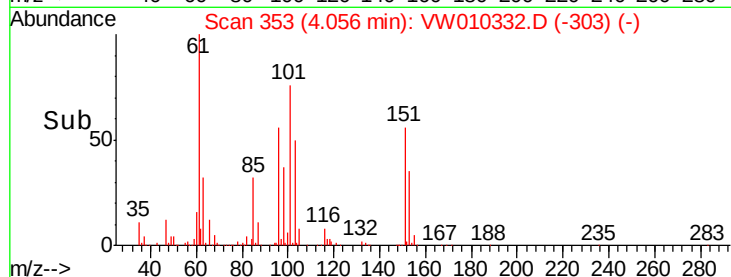
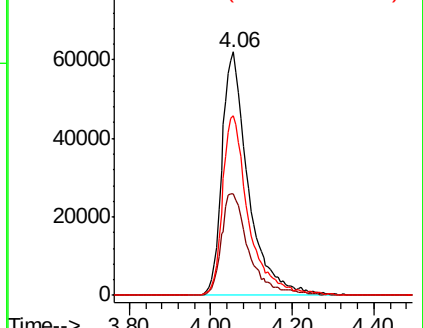
151 72.2 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.273 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

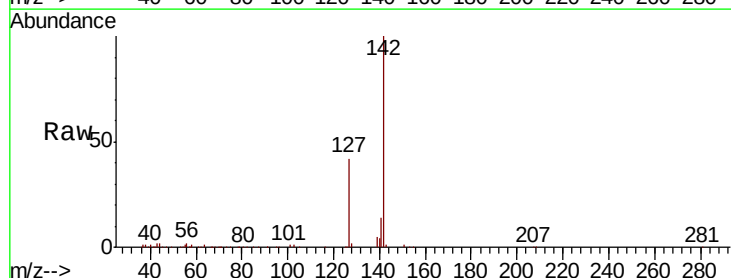
Tgt Ion:142 Resp: 388453

Ion Ratio Lower Upper

142 100

127 43.1 38.1 57.1

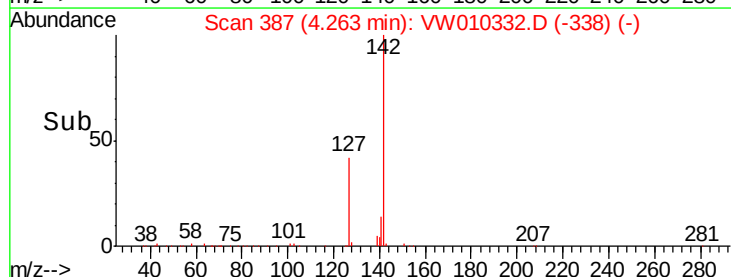
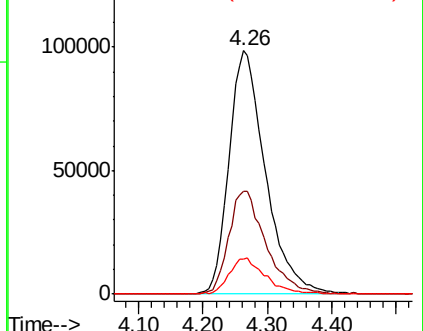
141 14.8 12.2 18.2

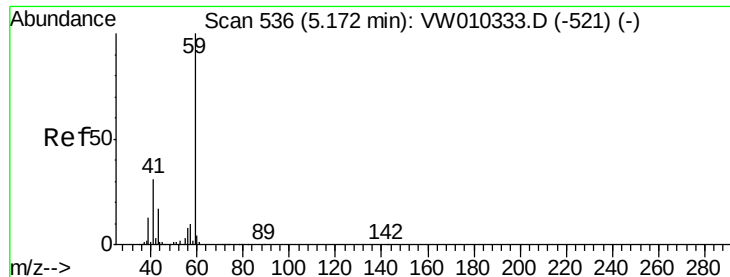


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

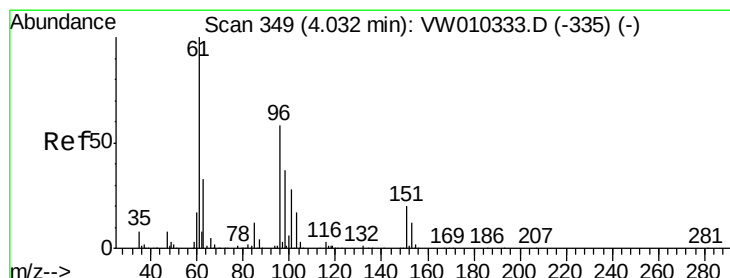
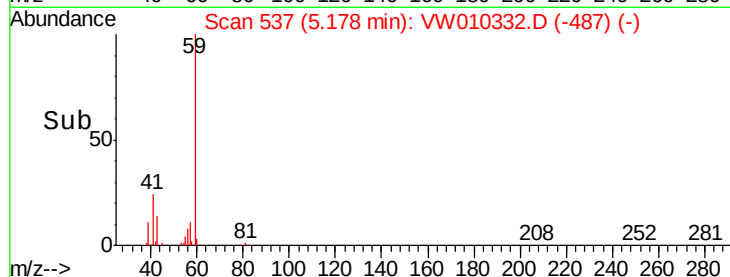
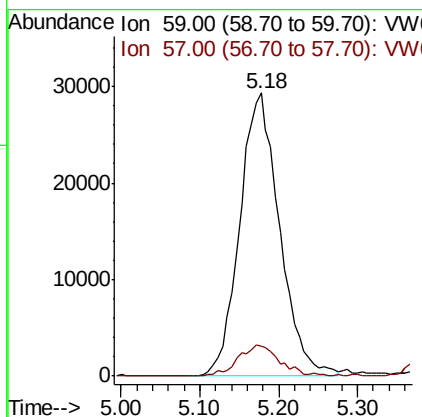
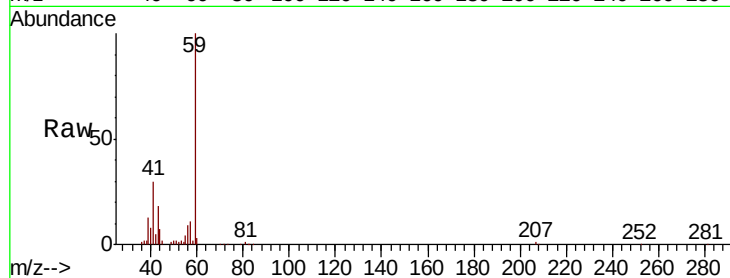




#11
Tert butyl alcohol
Concen: 108.811 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

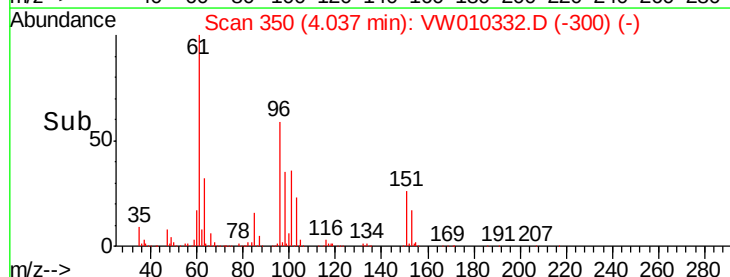
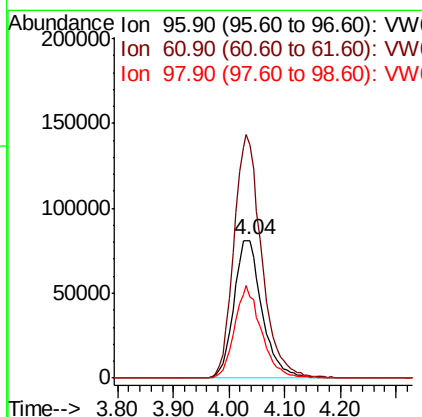
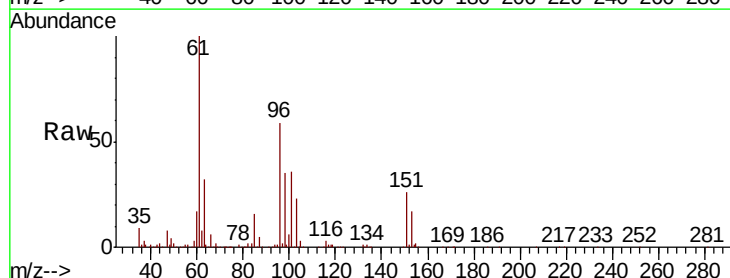
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

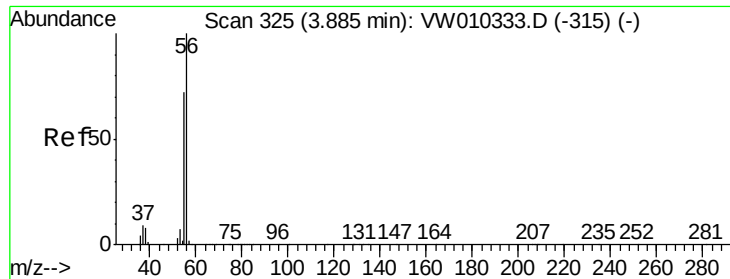
Tgt Ion: 59 Resp: 102847
Ion Ratio Lower Upper
59 100
57 11.6 9.0 13.4



#12
1,1-Dichloroethene
Concen: 21.483 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Tgt Ion: 96 Resp: 285566
Ion Ratio Lower Upper
96 100
61 169.5 147.4 221.2
98 59.1 49.7 74.5

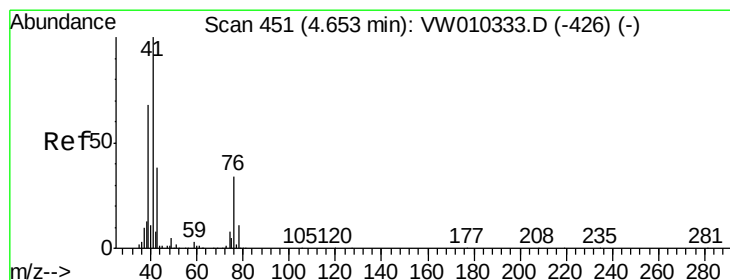
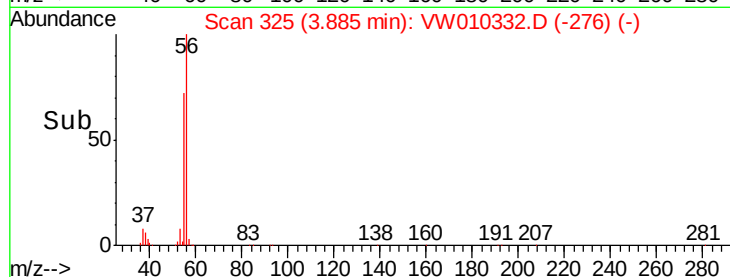
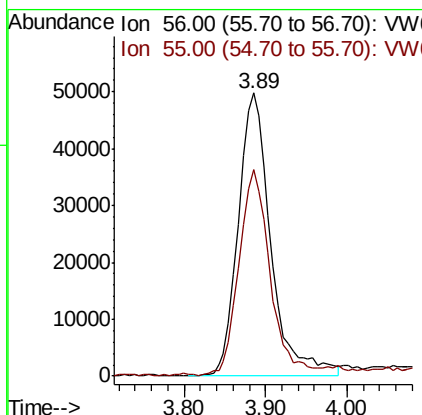
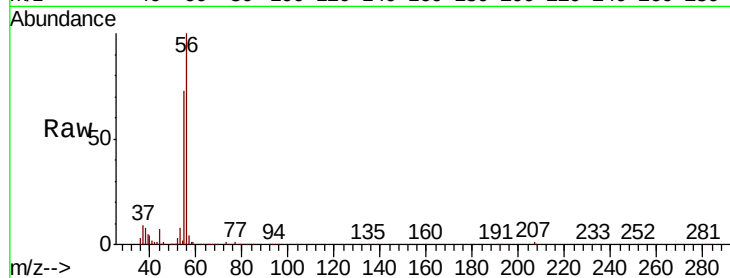




#13
Acrolein
Concen: 137.973 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

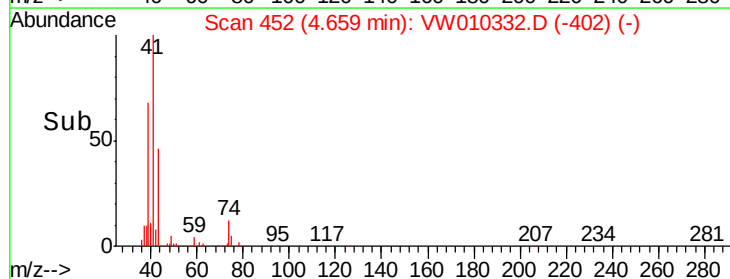
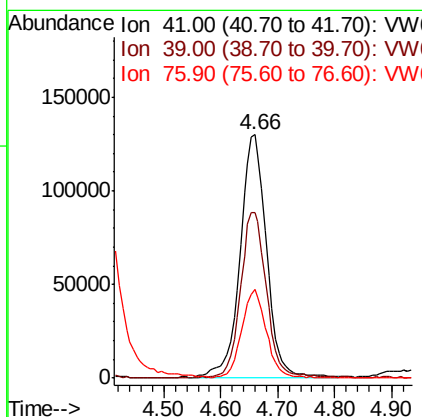
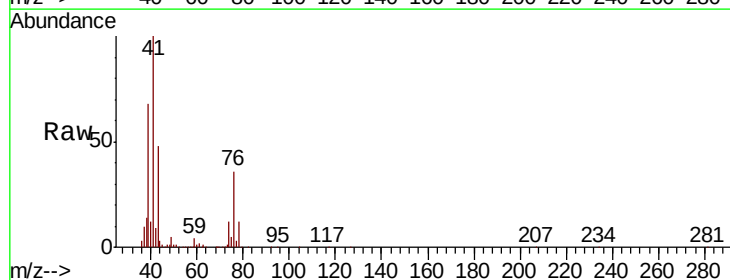
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

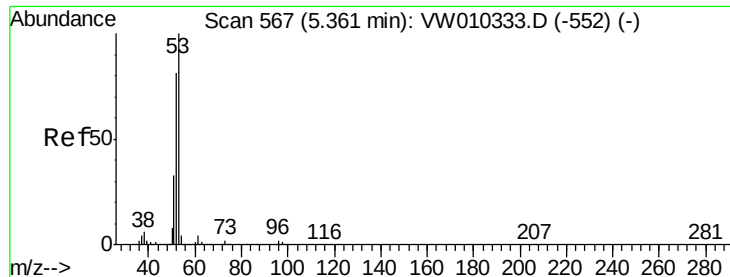
Tgt Ion: 56 Resp: 137196
Ion Ratio Lower Upper
56 100
55 69.8 54.2 81.2



#14
Allyl chloride
Concen: 17.736 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.01 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Tgt Ion: 41 Resp: 419167
Ion Ratio Lower Upper
41 100
39 66.7 60.2 90.4
76 33.9 25.0 37.6





#15

Acrylonitrile

Concen: 119.208 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

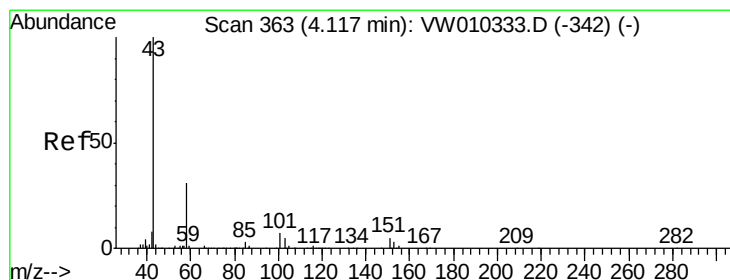
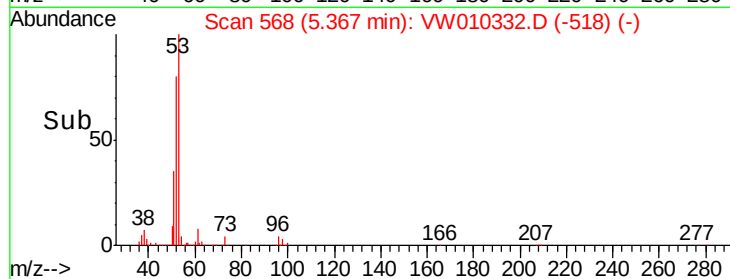
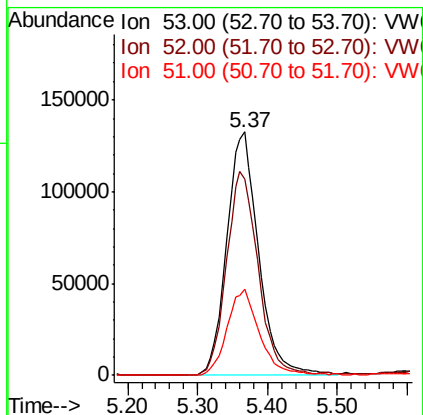
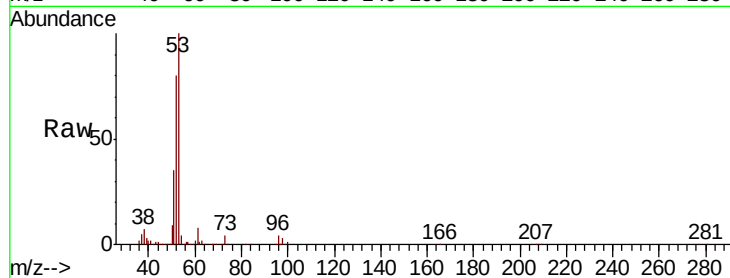
Tgt Ion: 53 Resp: 420499

Ion Ratio Lower Upper

53 100

52 82.6 66.6 100.0

51 36.0 30.3 45.5



#16

Acetone

Concen: 93.183 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010332.D

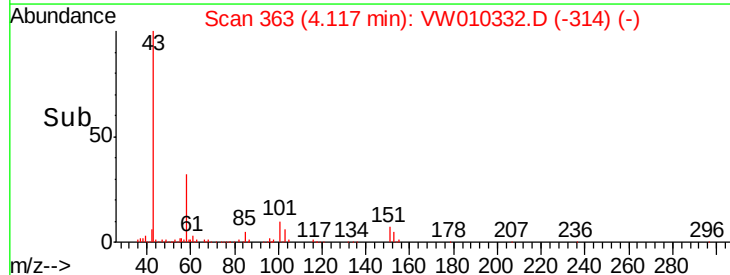
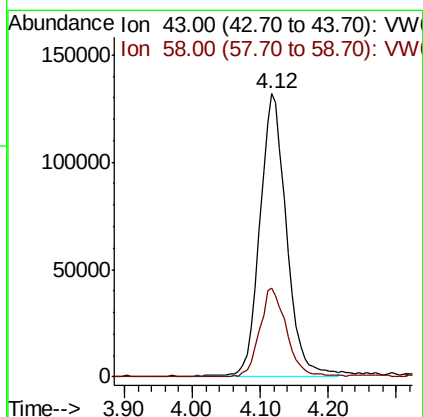
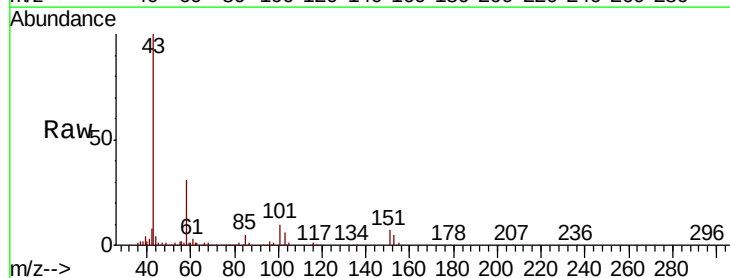
Acq: 09 May 2019 12:06

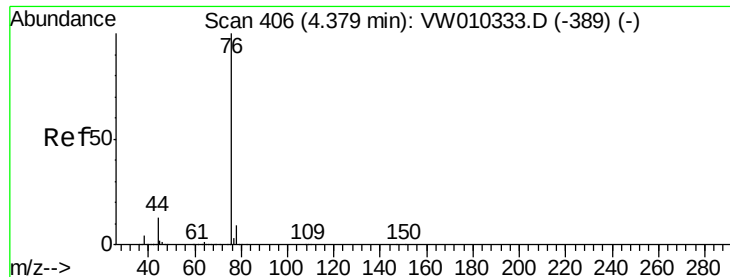
Tgt Ion: 43 Resp: 358760

Ion Ratio Lower Upper

43 100

58 31.3 22.7 34.1





#17

Carbon Disulfide

Concen: 23.394 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

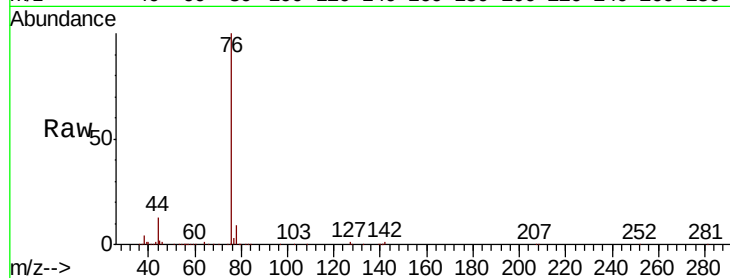
VSTDIC020

Tgt Ion: 76 Resp: 853047

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

250000

200000

150000

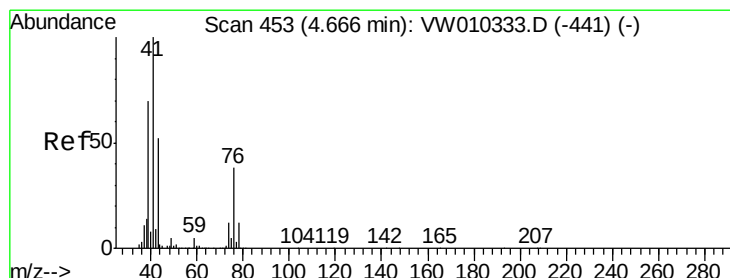
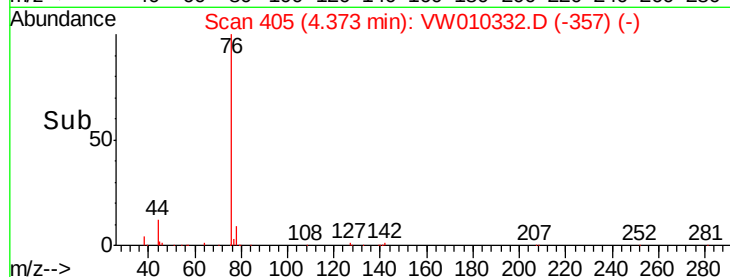
100000

50000

0

4.20 4.40 4.60

Time-->



#18

Methyl Acetate

Concen: 21.326 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010332.D

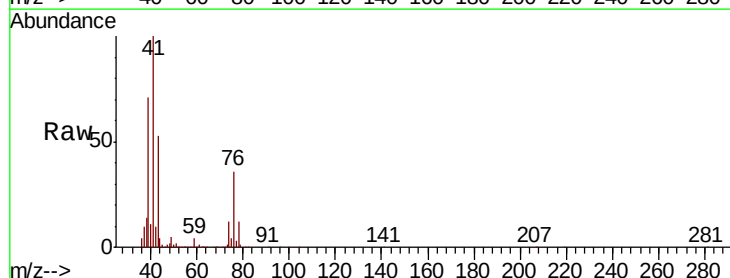
Acq: 09 May 2019 12:06

Tgt Ion: 43 Resp: 190027

Ion Ratio Lower Upper

43 100

74 22.9 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

60000

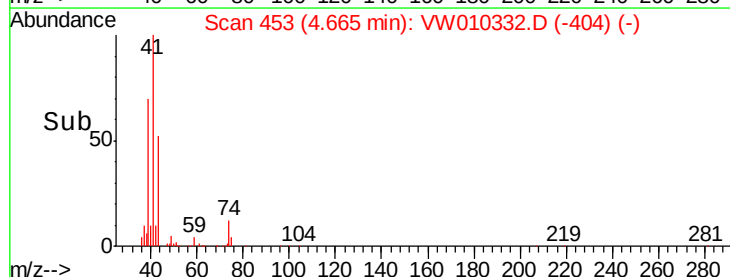
40000

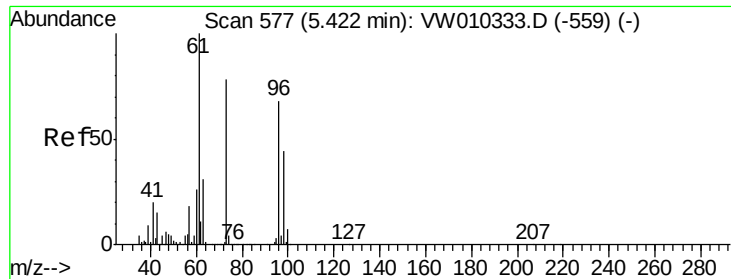
20000

0

4.50 4.60 4.70 4.80

Time-->

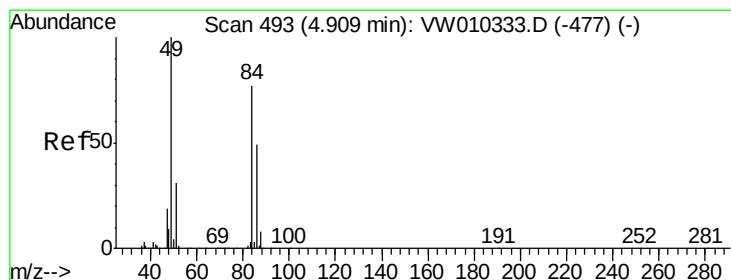
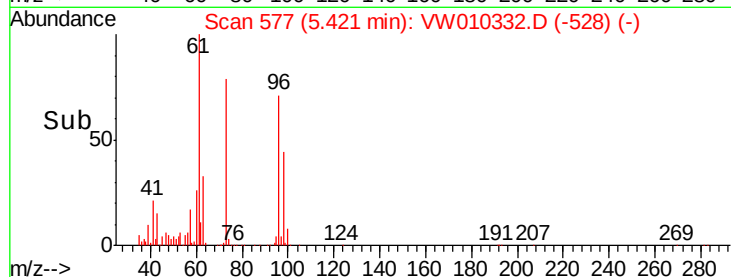
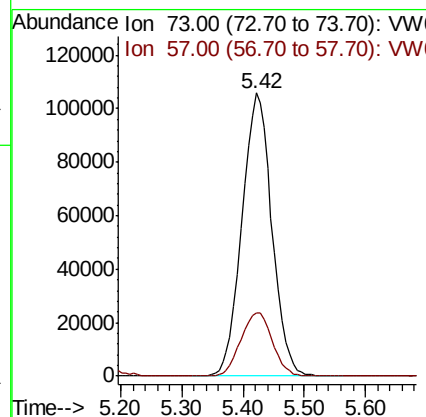
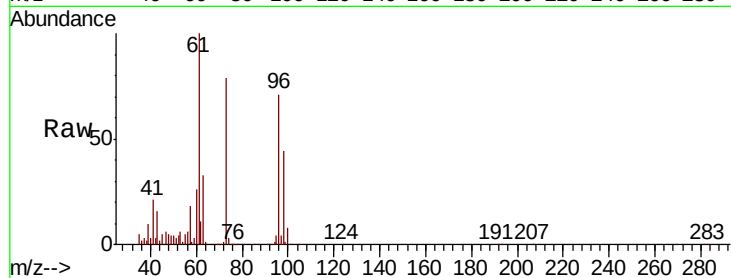




#19
Methyl tert-butyl Ether
Concen: 20.729 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

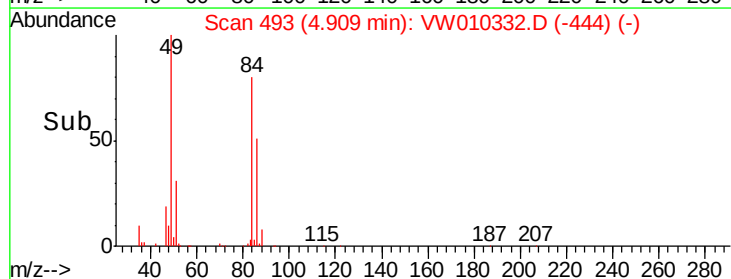
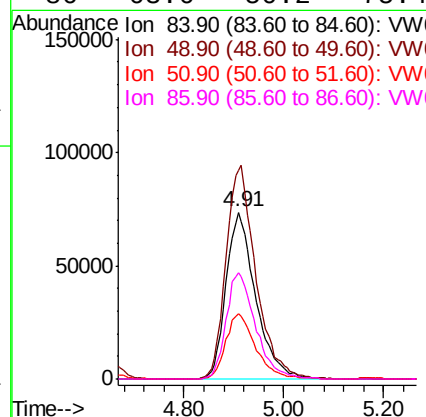
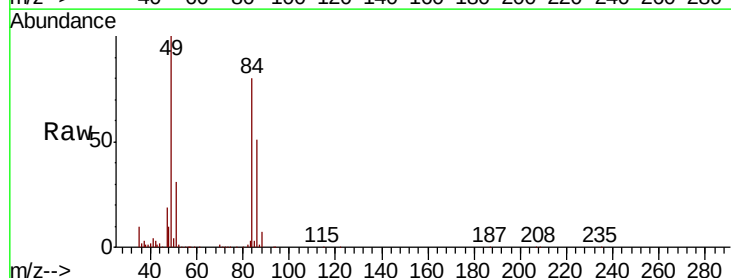
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

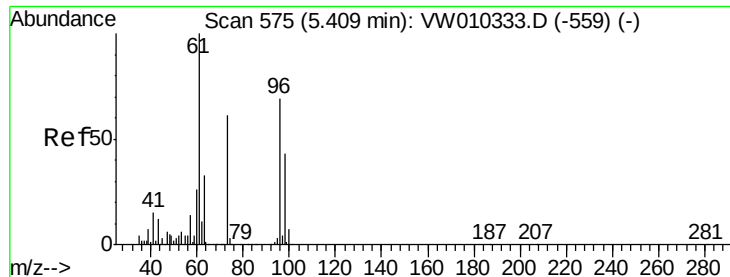
Tgt Ion: 73 Resp: 357897
Ion Ratio Lower Upper
73 100
57 22.1 18.5 27.7



#20
Methylene Chloride
Concen: 17.152 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Tgt Ion: 84 Resp: 303813
Ion Ratio Lower Upper
84 100
49 125.1 112.3 168.5
51 39.0 33.9 50.9
86 63.6 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 21.878 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

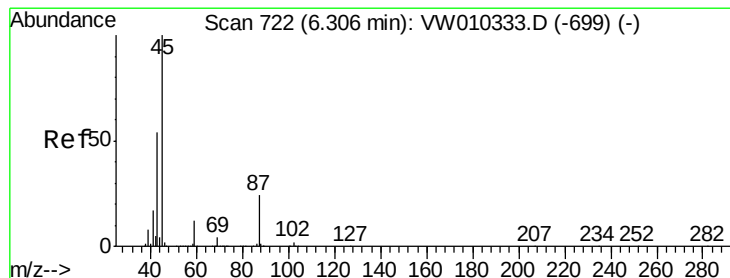
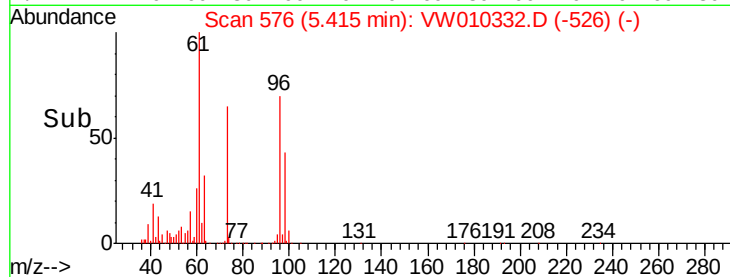
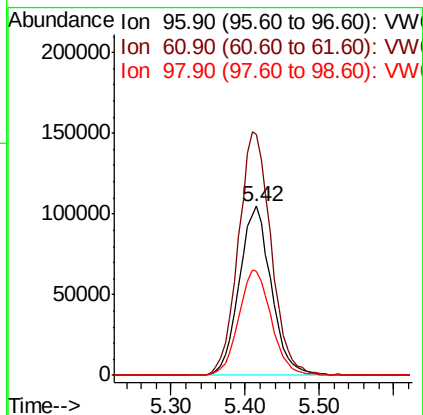
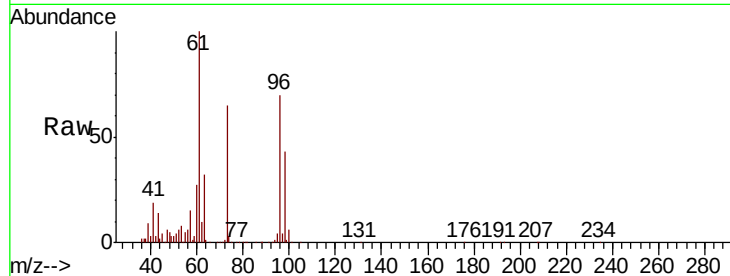
Tgt Ion: 96 Resp: 314921

Ion Ratio Lower Upper

96 100

61 143.2 122.3 183.5

98 61.5 50.5 75.7



#22

Diisopropyl ether

Concen: 18.609 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Tgt Ion: 45 Resp: 892074

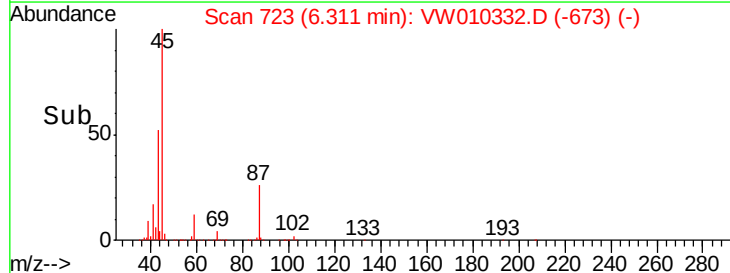
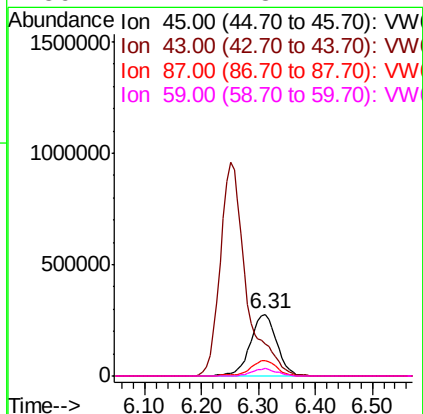
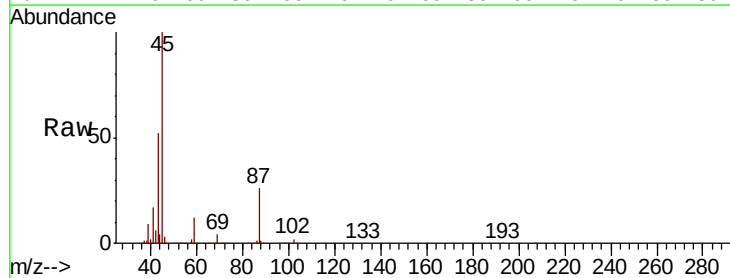
Ion Ratio Lower Upper

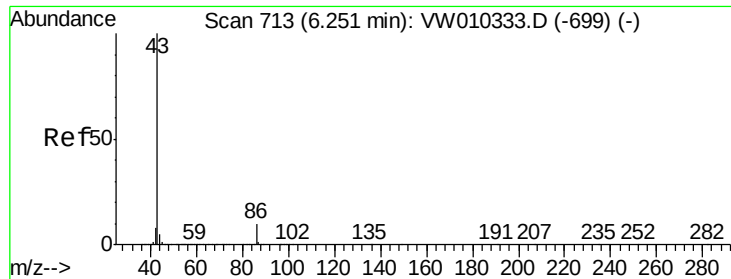
45 100

43 51.6 46.1 69.1

87 25.5 18.3 27.5

59 11.7 8.2 12.4





#23

Vinyl Acetate

Concen: 100.181 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

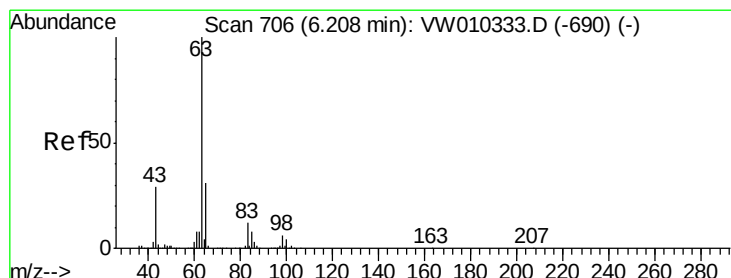
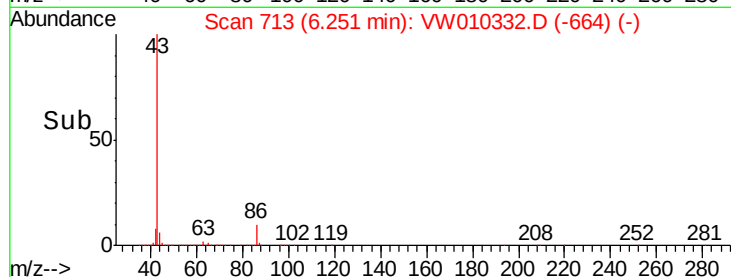
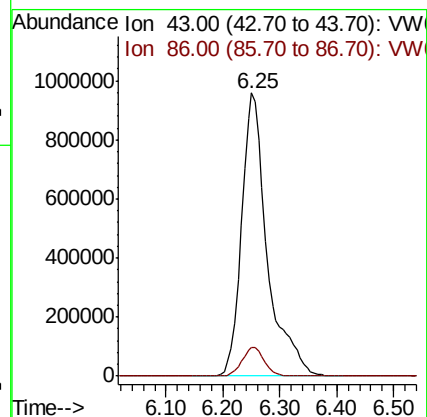
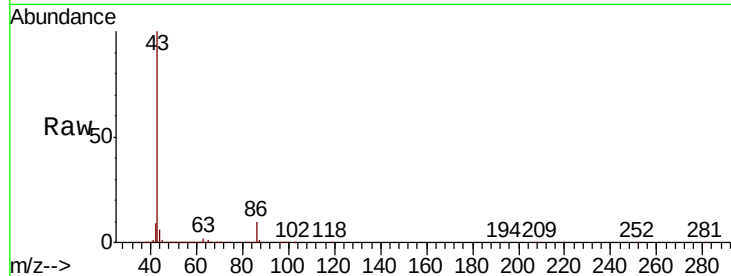
VSTDIC020

Tgt Ion: 43 Resp: 3023231

Ion Ratio Lower Upper

43 100

86 10.3 7.0 10.6



#24

1,1-Dichloroethane

Concen: 19.964 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

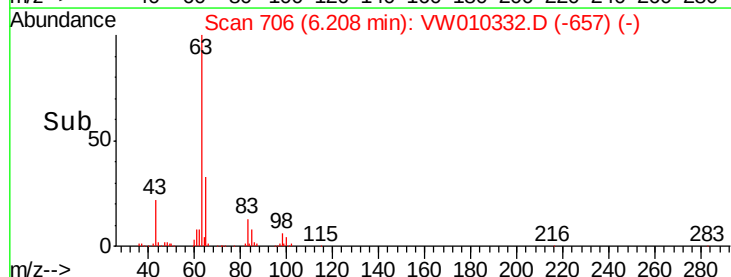
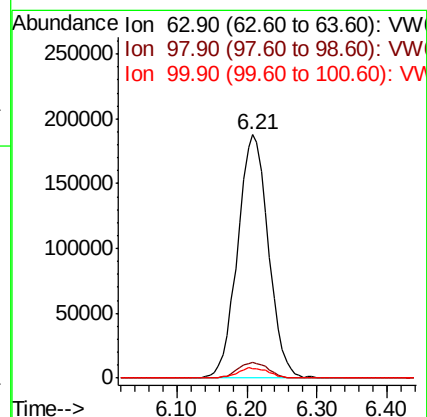
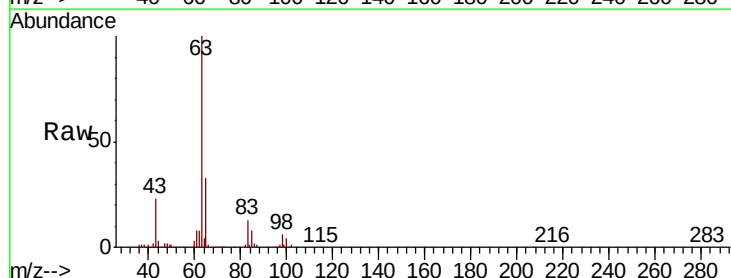
Tgt Ion: 63 Resp: 572106

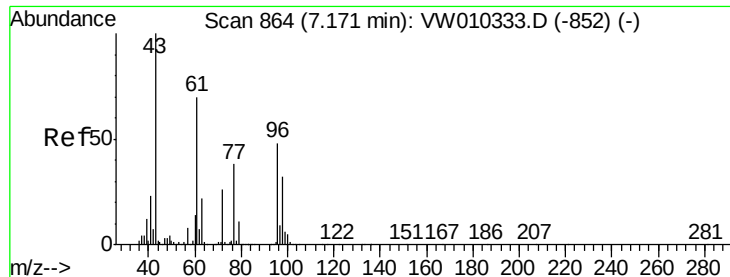
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 114.802 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

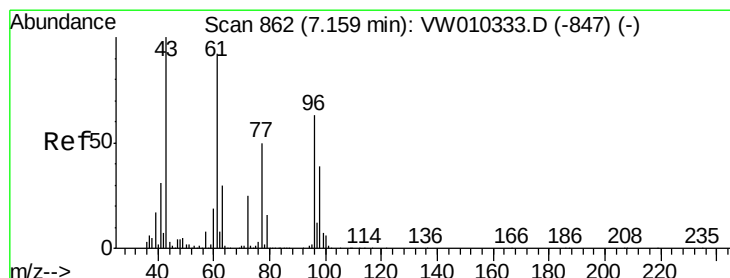
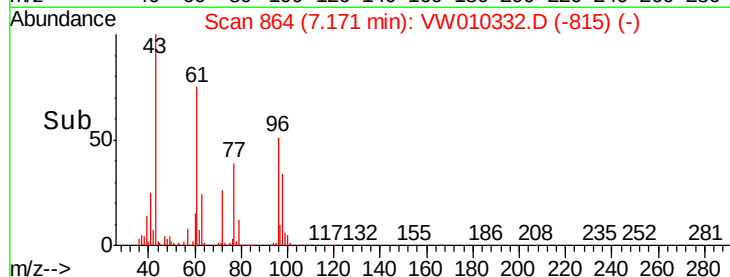
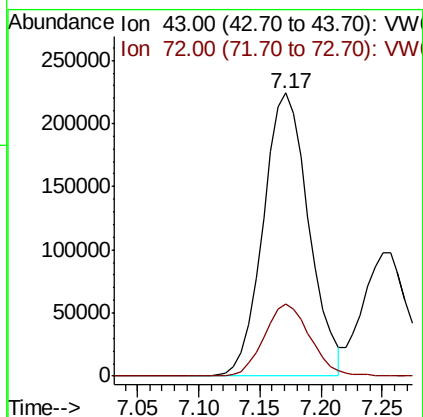
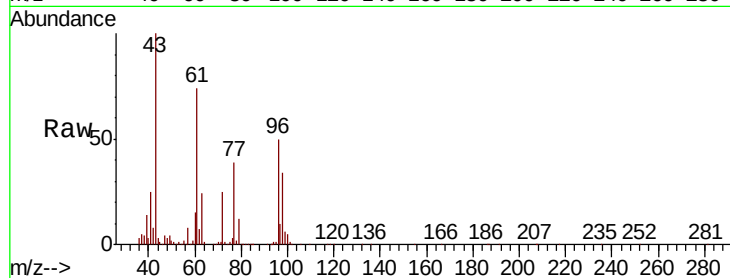
VSTDIC020

Tgt Ion: 43 Resp: 580612

Ion Ratio Lower Upper

43 100

72 25.5 19.1 28.7



#26

2,2-Dichloropropane

Concen: 18.094 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW010332.D

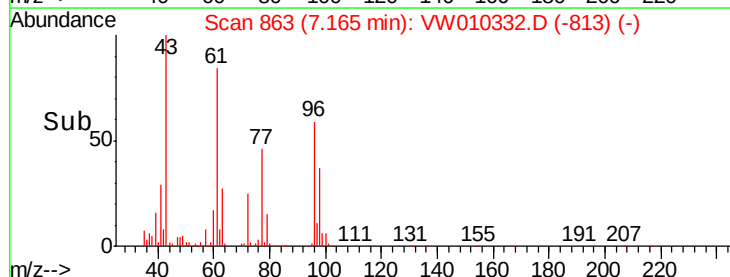
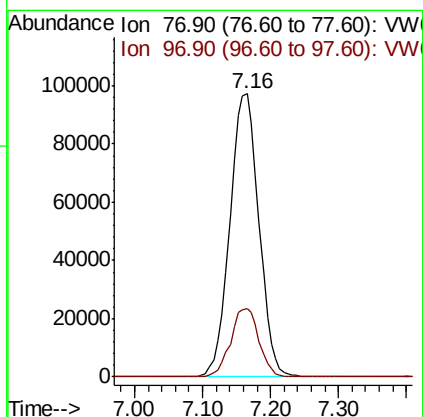
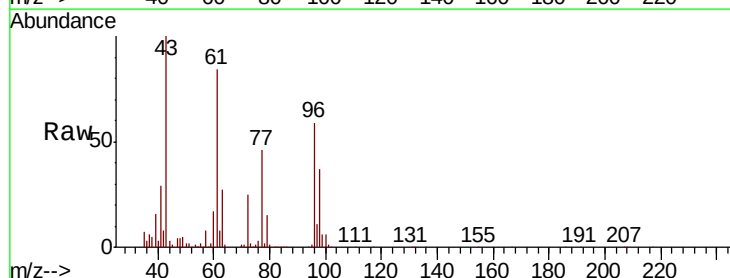
Acq: 09 May 2019 12:06

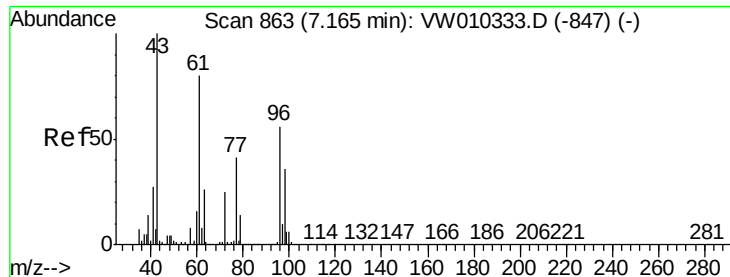
Tgt Ion: 77 Resp: 286883

Ion Ratio Lower Upper

77 100

97 23.6 11.3 33.9



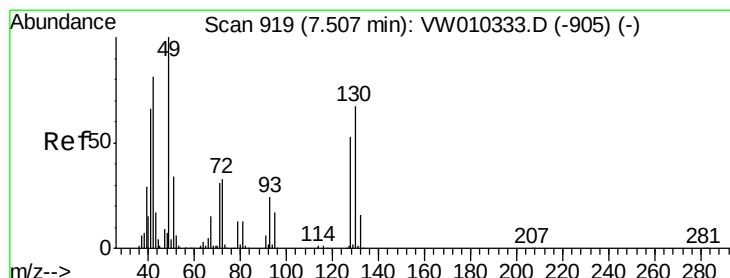
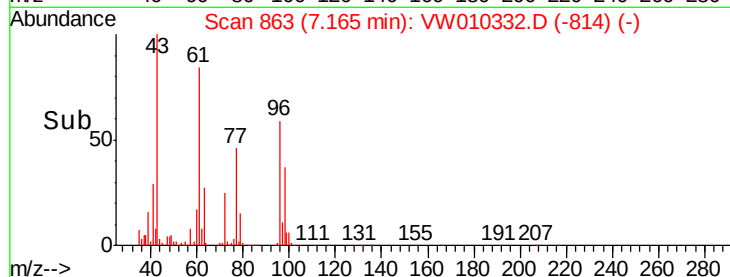
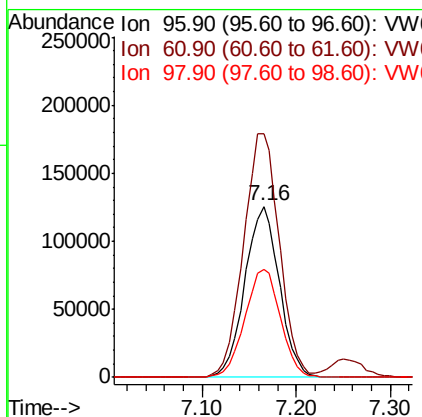
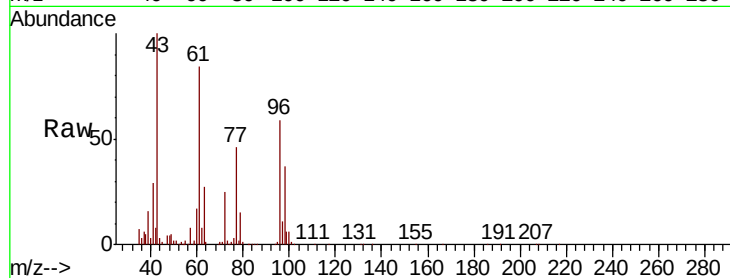


#27

cis-1,2-Dichloroethene
Concen: 20.358 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

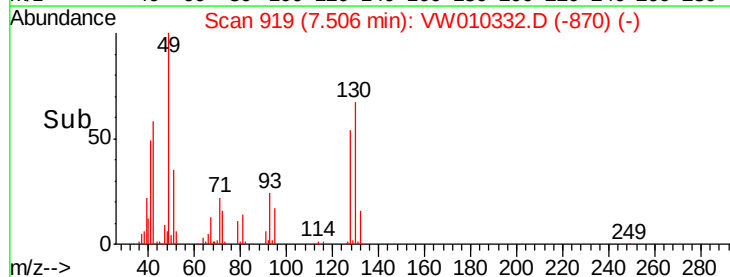
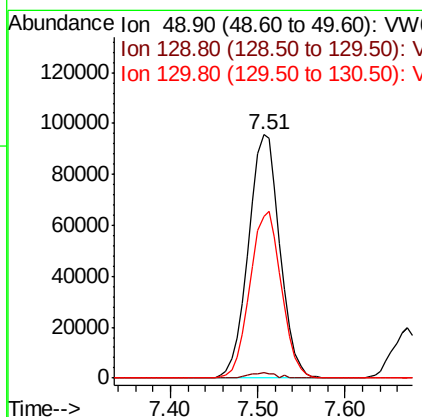
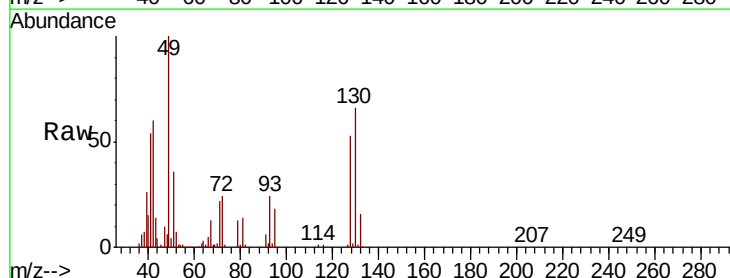
Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	309.4
98	65.1	0.0	128.6

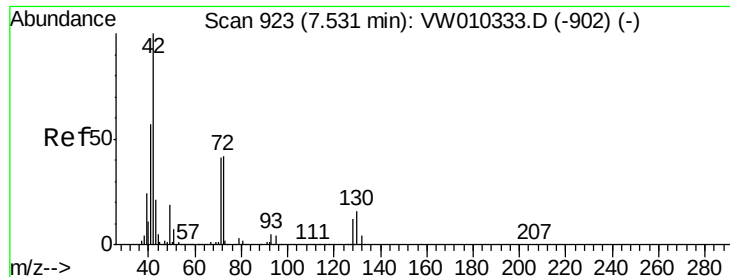


#28

Bromochloromethane
Concen: 20.444 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	68.6	54.6	82.0





#29

Tetrahydrofuran

Concen: 119.932 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

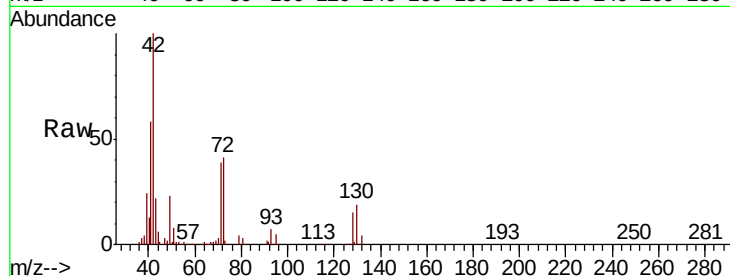
Tgt Ion: 42 Resp: 384335

Ion Ratio Lower Upper

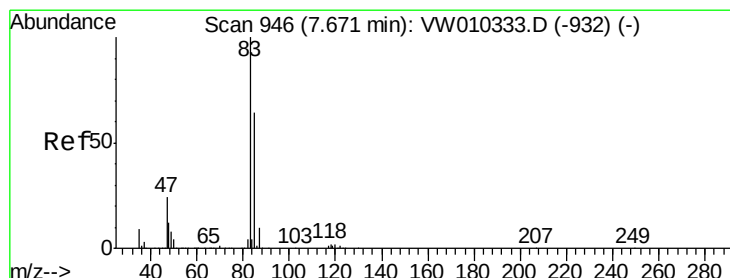
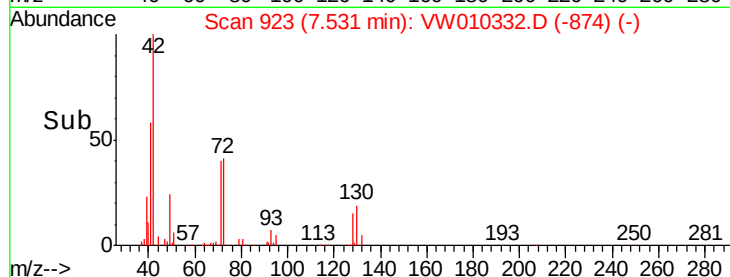
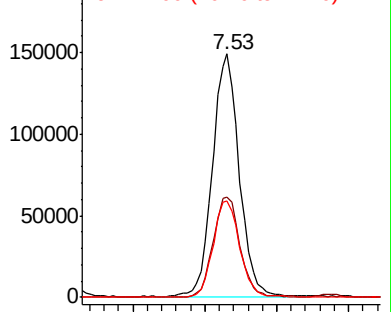
42 100

72 41.3 31.0 46.6

71 39.7 29.7 44.5



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



#30

Chloroform

Concen: 18.944 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010332.D

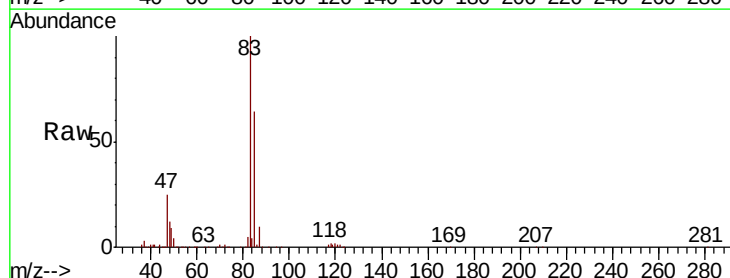
Acq: 09 May 2019 12:06

Tgt Ion: 83 Resp: 543967

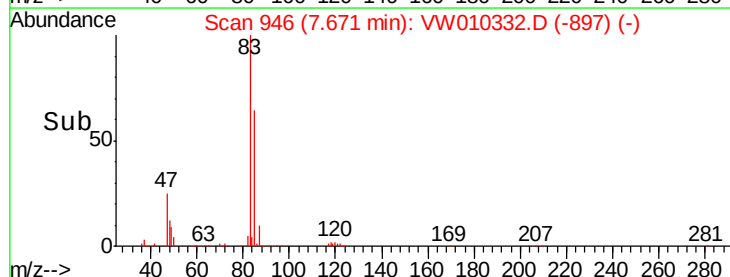
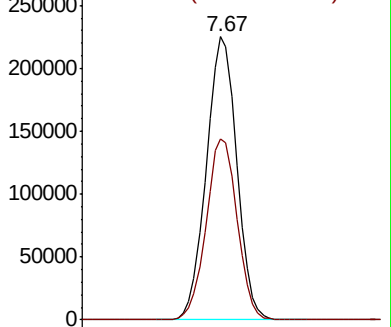
Ion Ratio Lower Upper

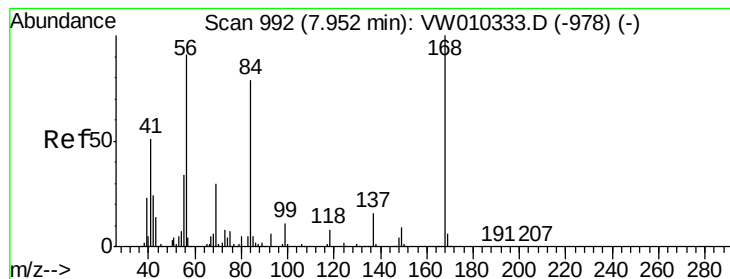
83 100

85 63.9 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 21.223 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

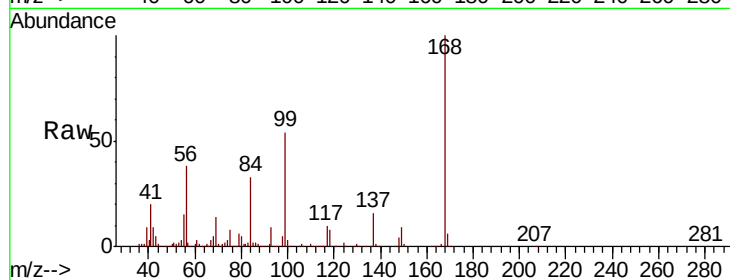
Tgt Ion: 56 Resp: 569516

Ion Ratio Lower Upper

56 100

69 36.9 26.6 40.0

84 84.5 66.2 99.2

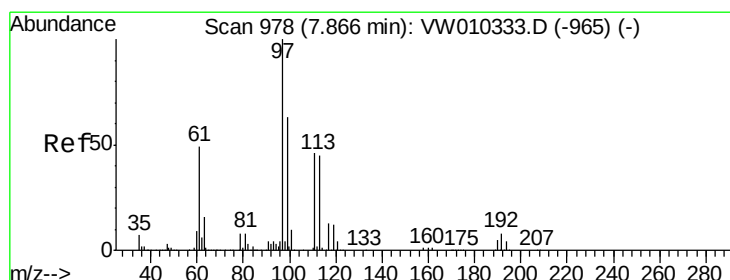
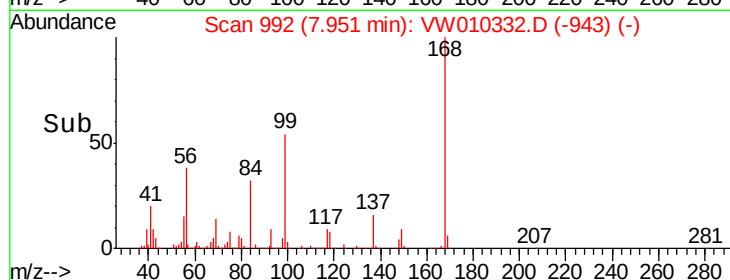
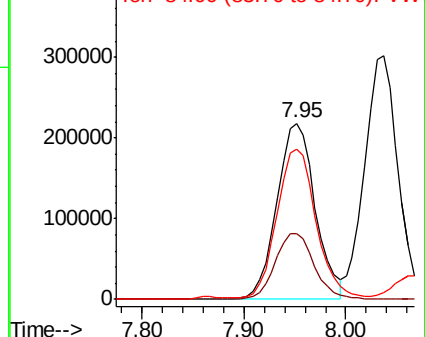


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 18.086 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

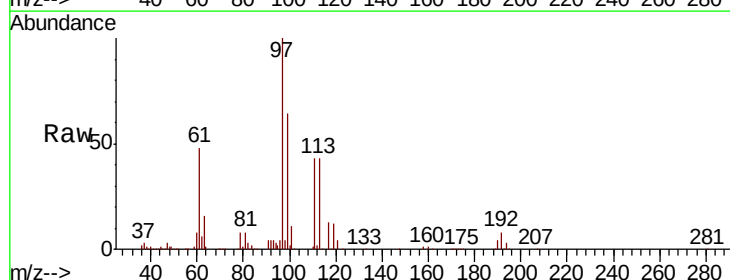
Tgt Ion: 97 Resp: 407713

Ion Ratio Lower Upper

97 100

99 63.7 50.2 75.2

61 48.3 38.2 57.2

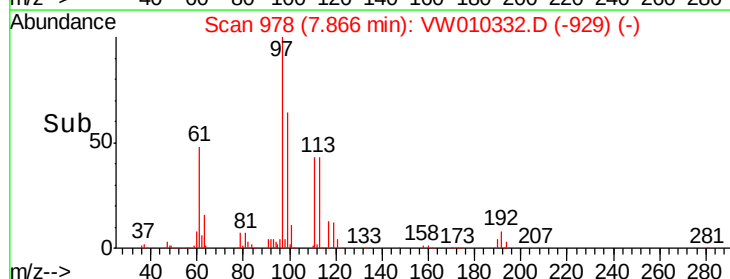
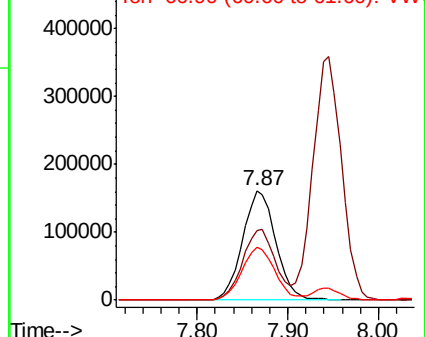


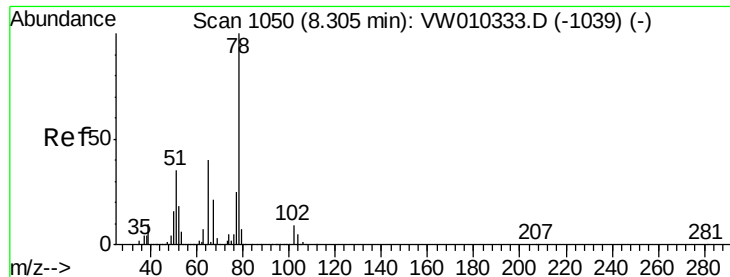
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 17.608 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

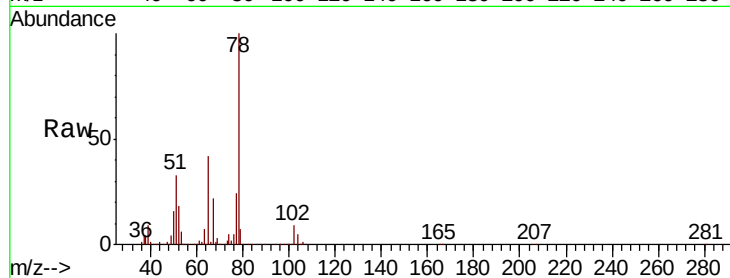
VSTDIC020

Tgt Ion: 65 Resp: 292189

Ion Ratio Lower Upper

65 100

67 53.3 0.0 100.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

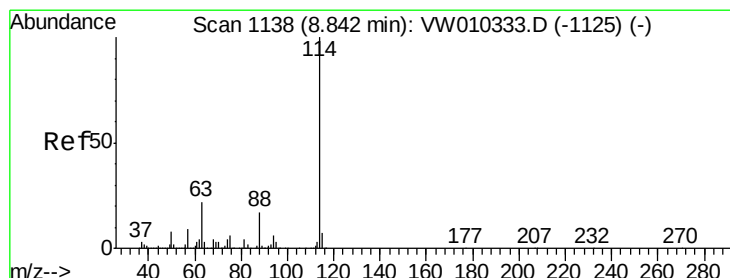
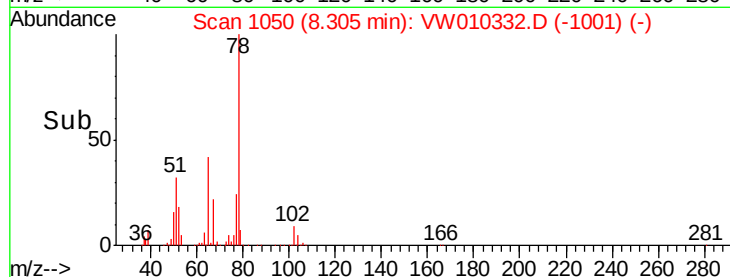
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

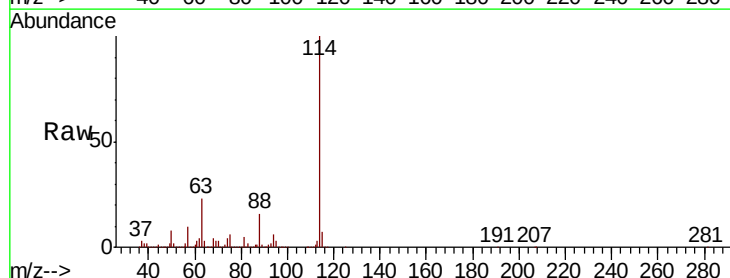
Tgt Ion: 114 Resp: 2158381

Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.2

88 16.3 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

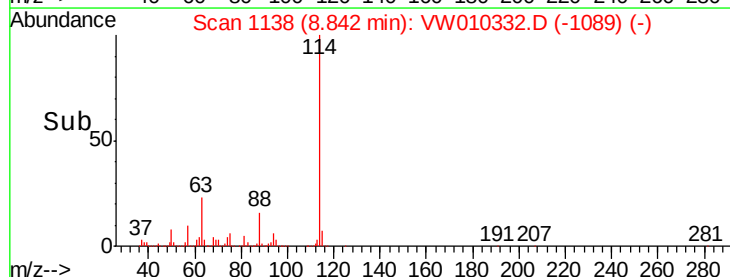
1500000

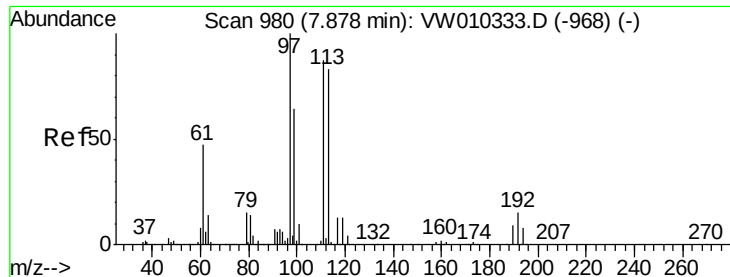
1000000

500000

0

Time-->

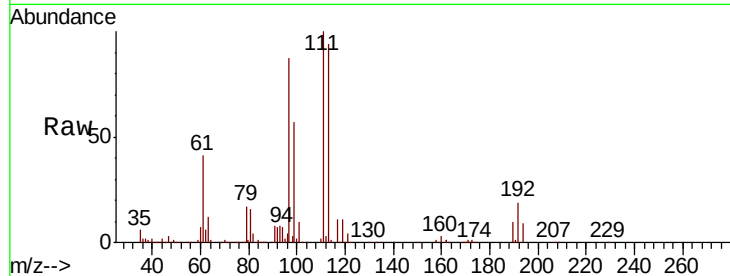




#35
 Dibromofluoromethane
 Concen: 18.798 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.6	123.8
192	19.7	15.4	23.2

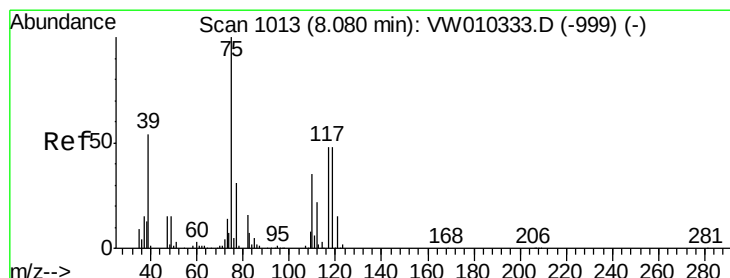
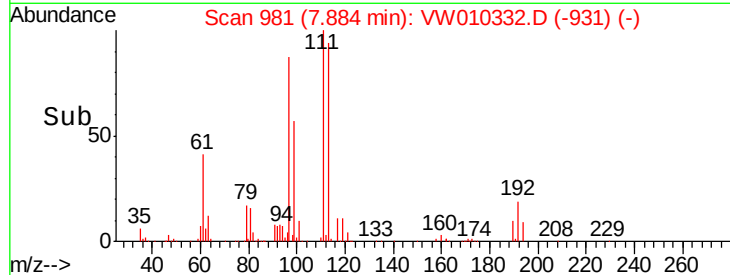
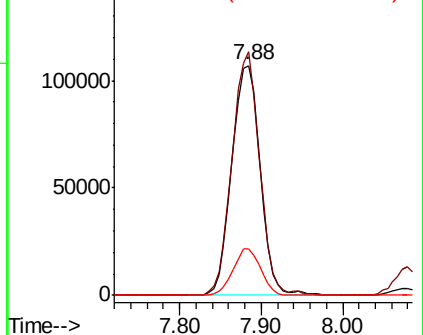


Abundance

Ion 112.80 (112.50 to 113.50): V

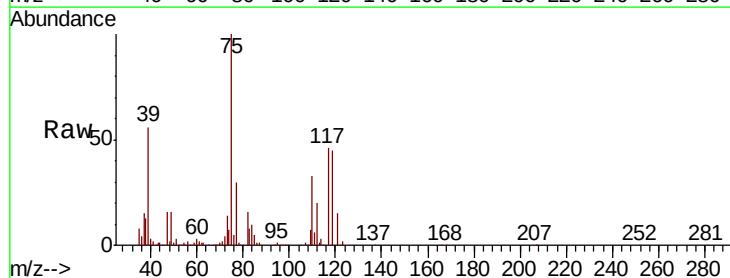
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 21.159 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.6	49.8
77	30.5	24.8	37.2

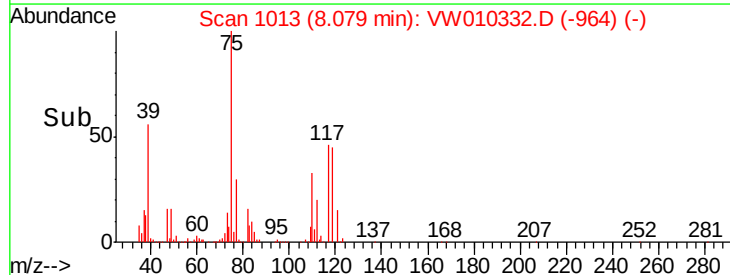
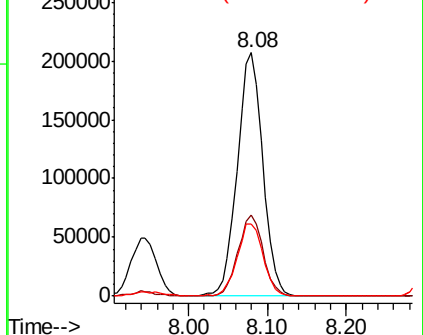


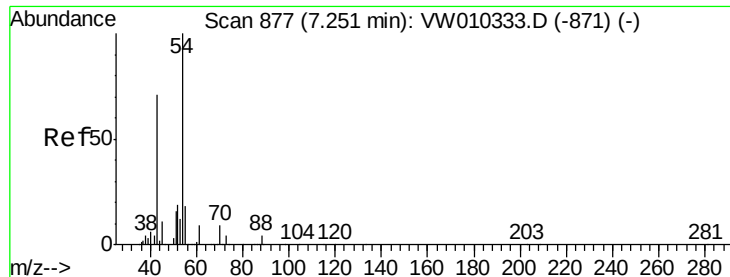
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

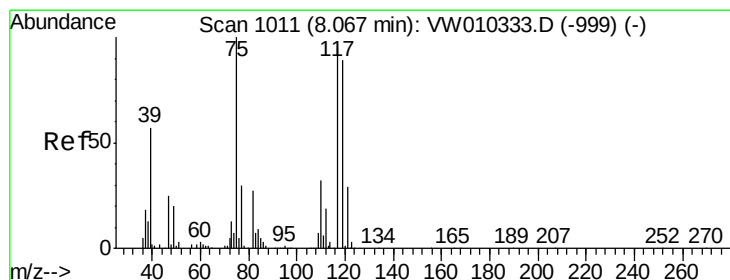
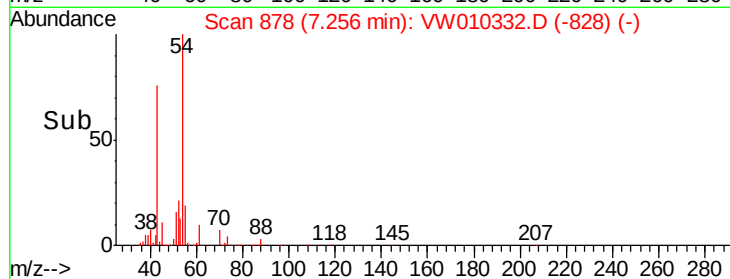
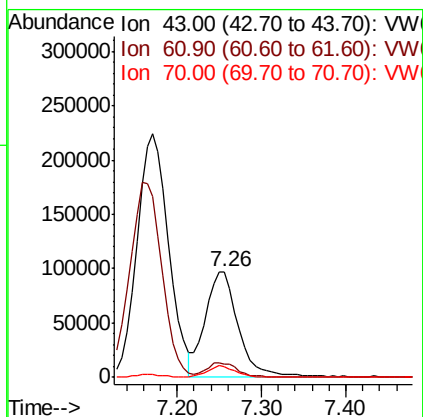
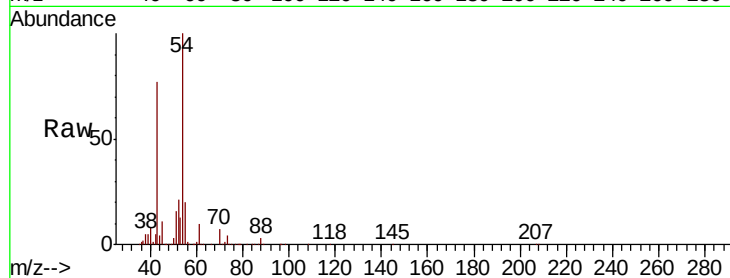




#37
Ethyl Acetate
Concen: 23.468 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

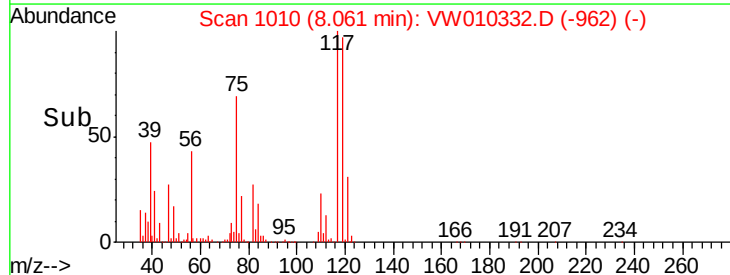
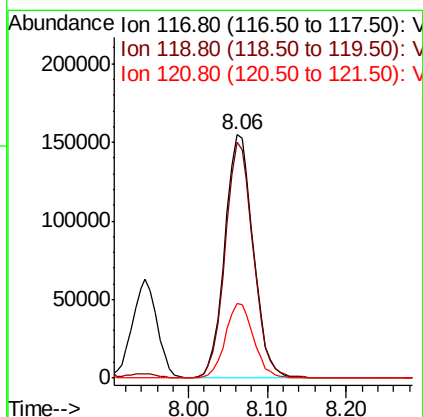
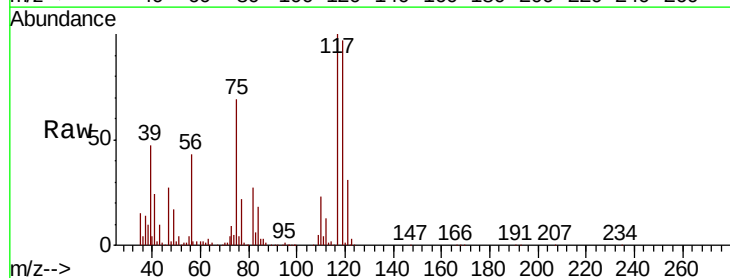
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

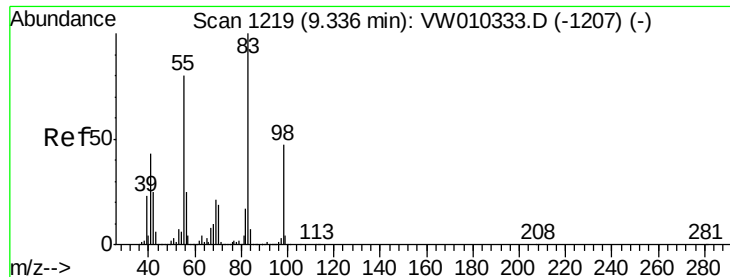
Tgt Ion:	43	Resp:	262920
Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.8	14.8
70	9.7	7.4	11.0



#38
Carbon Tetrachloride
Concen: 18.114 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Tgt Ion:	117	Resp:	389766
Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.3	112.9
121	30.7	24.4	36.6

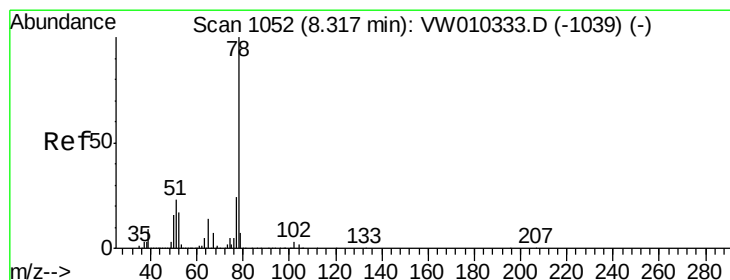
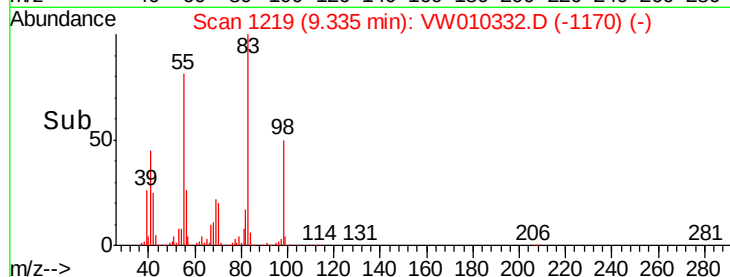
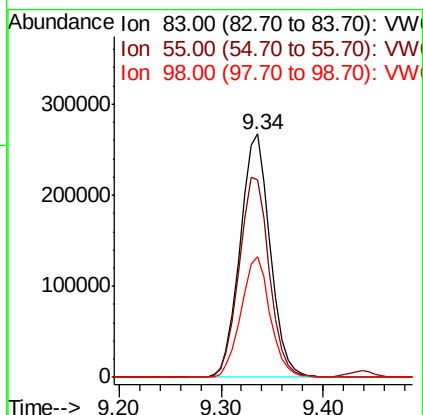
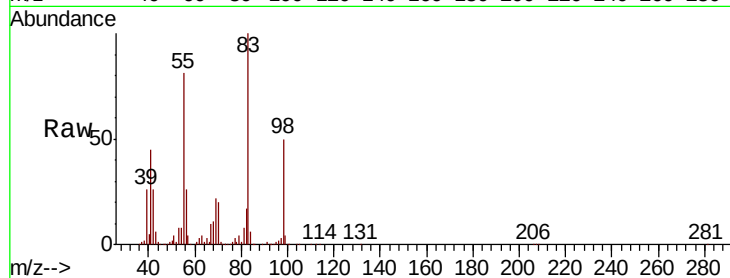




#39
Methylcyclohexane
Concen: 22.040 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

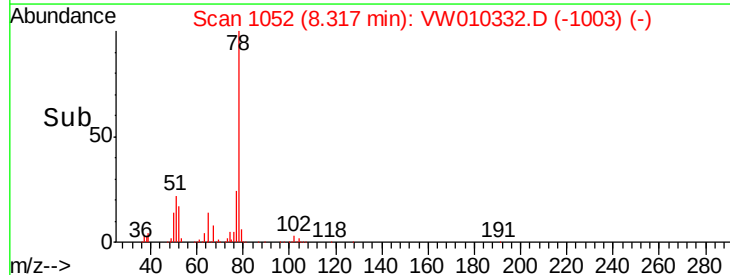
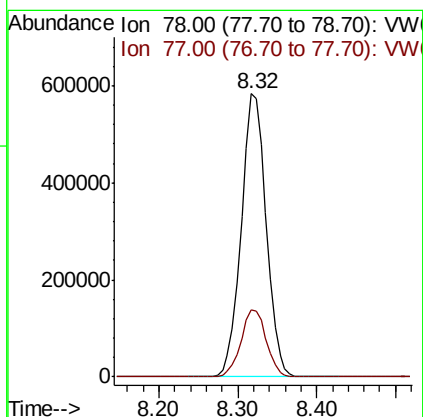
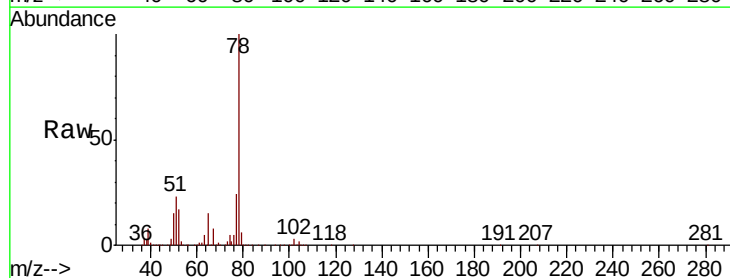
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

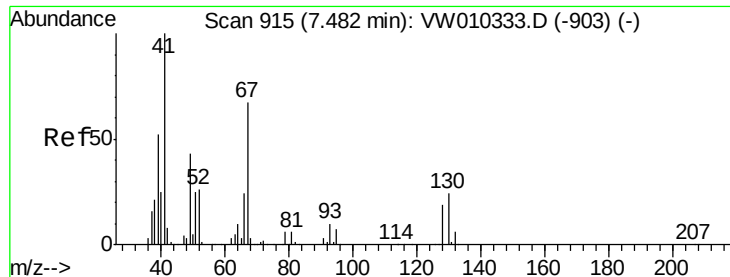
Tgt Ion: 83 Resp: 546808
Ion Ratio Lower Upper
83 100
55 81.2 67.1 100.7
98 49.7 39.2 58.8



#40
Benzene
Concen: 21.257 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Tgt Ion: 78 Resp: 1281439
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

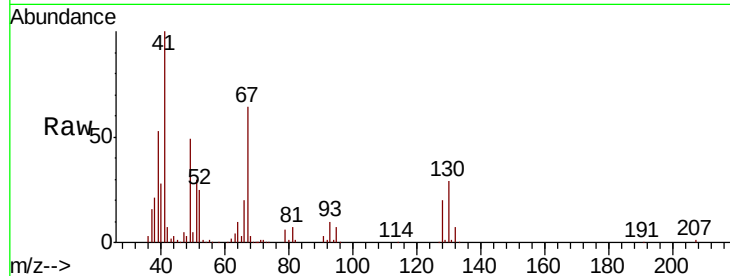




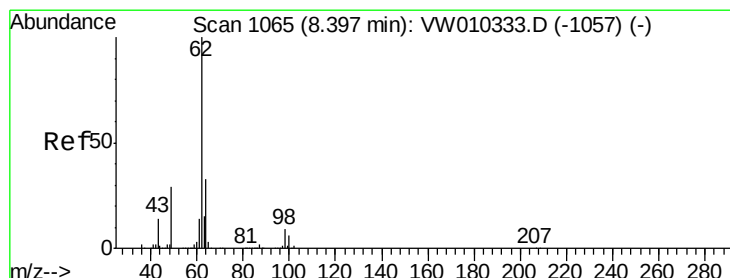
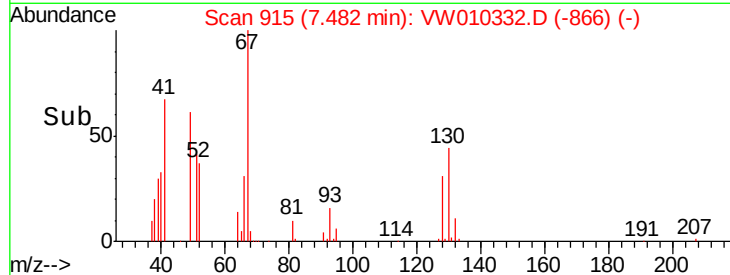
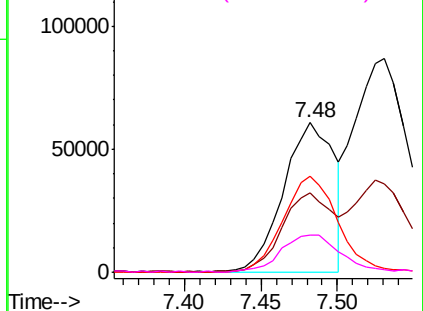
#41
Methacrylonitrile
Concen: 21.909 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	139893
Ion	Ratio	Lower	Upper
41	100		
39	53.3	45.0	67.4
67	69.7	50.7	76.1
52	29.2	22.6	33.8

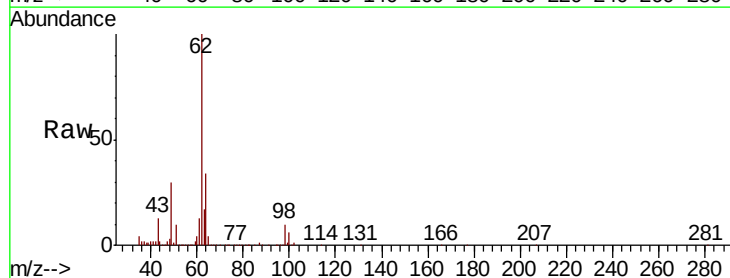


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

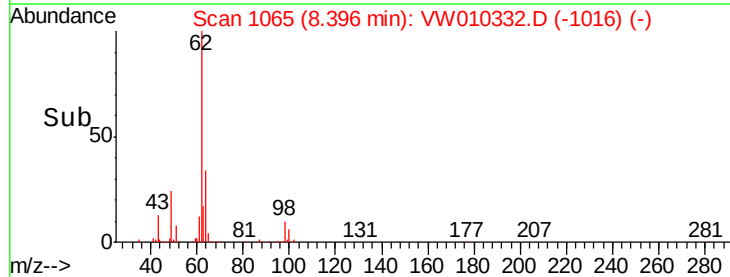
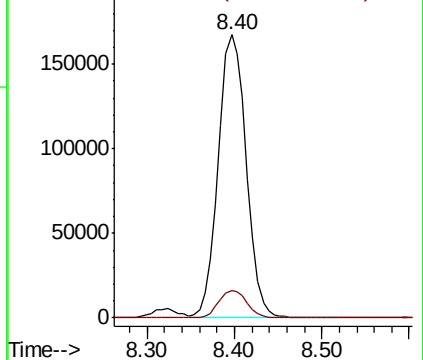


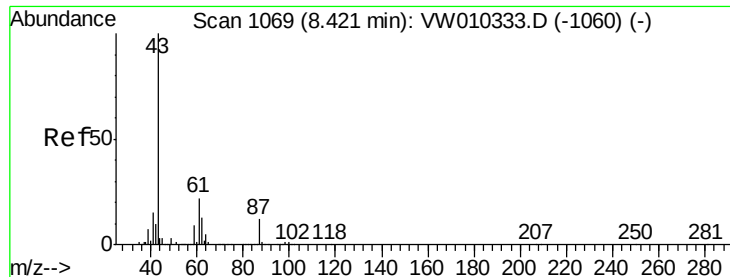
#42
1,2-Dichloroethane
Concen: 17.909 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Tgt Ion:	62	Resp:	371024
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.858 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

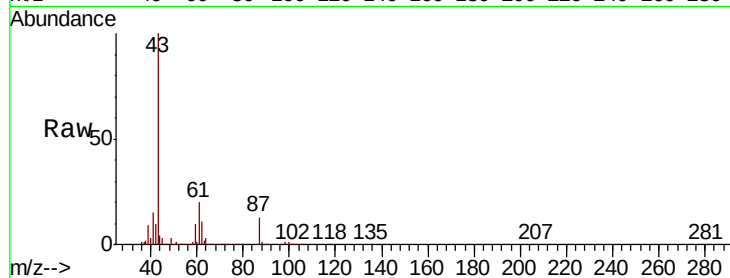
Tgt Ion: 43 Resp: 416895

Ion Ratio Lower Upper

43 100

61 29.3 23.0 34.6

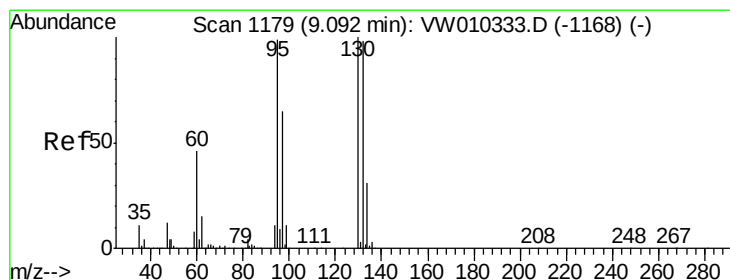
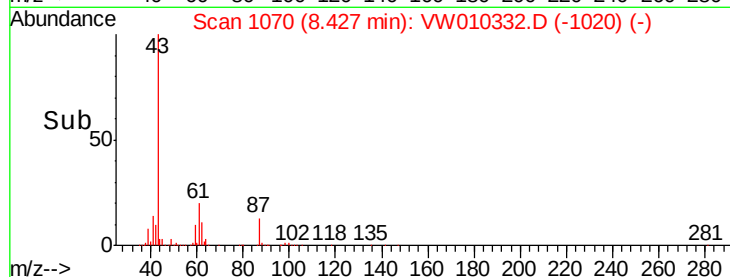
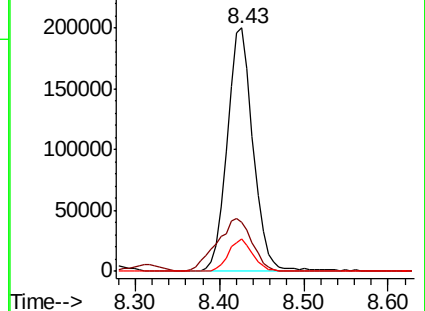
87 12.5 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.520 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010332.D

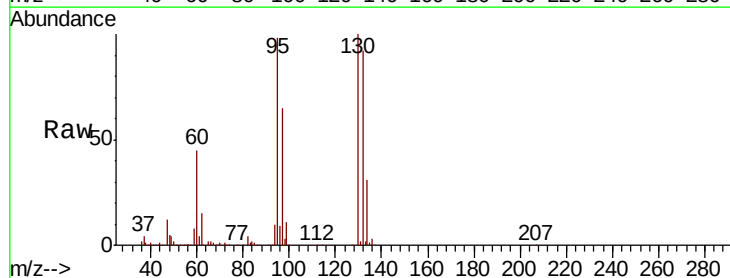
Acq: 09 May 2019 12:06

Tgt Ion: 130 Resp: 314189

Ion Ratio Lower Upper

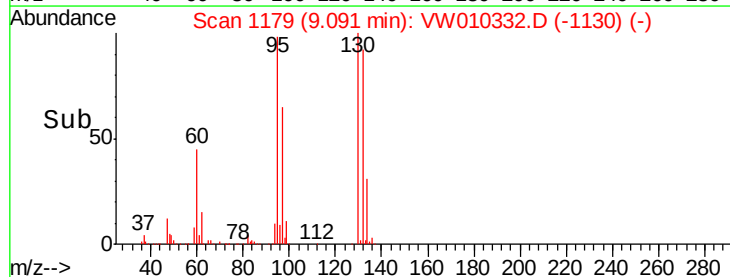
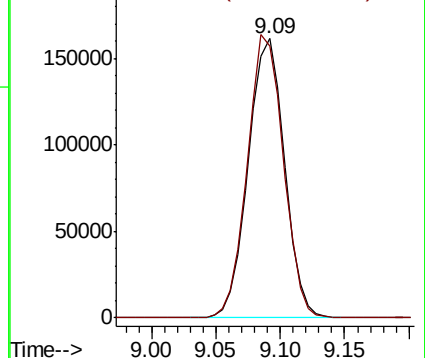
130 100

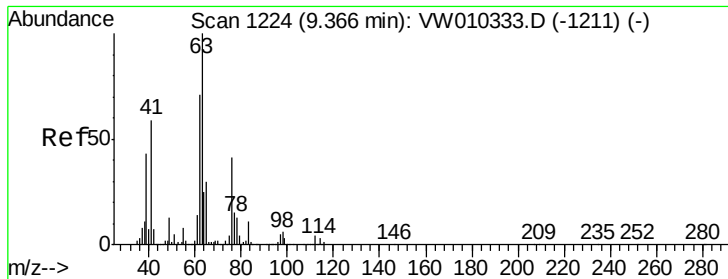
95 97.5 0.0 205.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

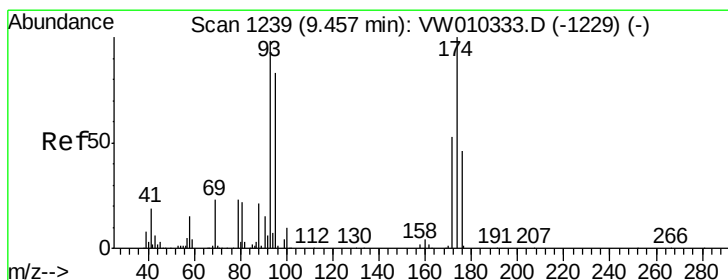
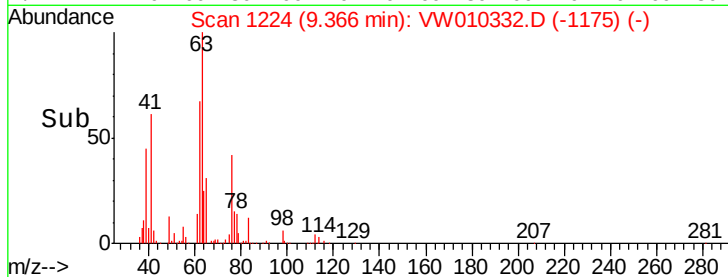
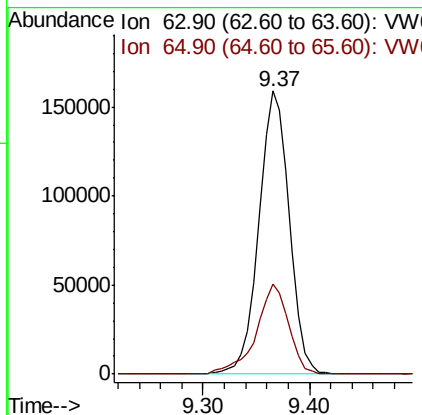
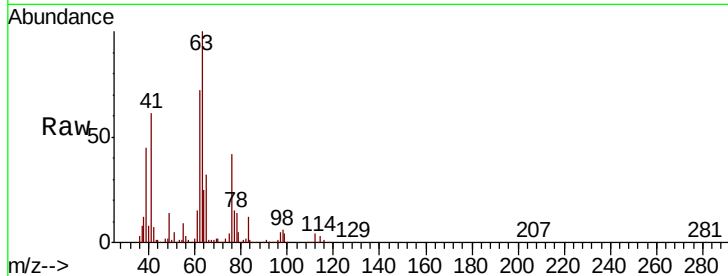




#45
 1,2-Dichloropropane
 Concen: 20.067 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

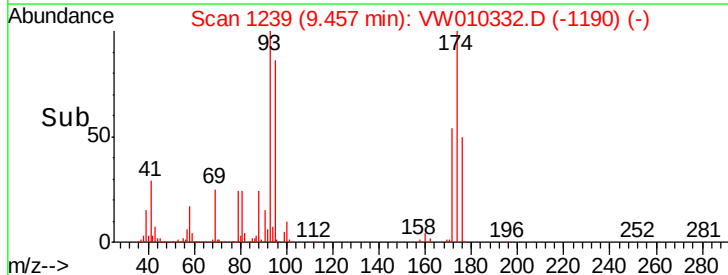
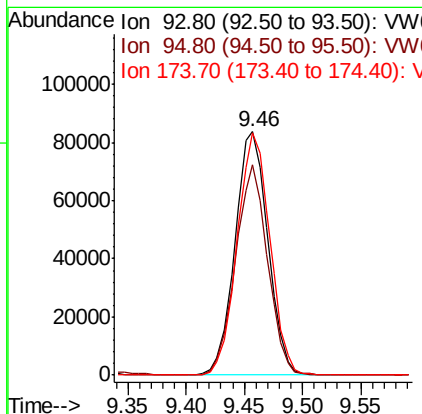
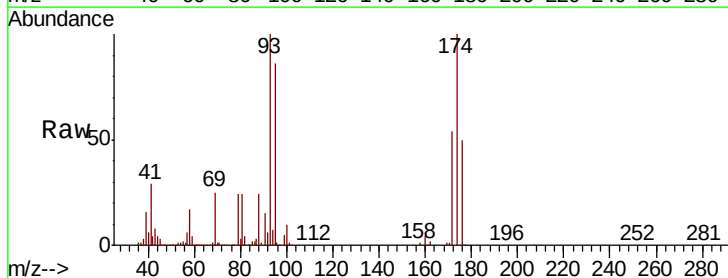
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

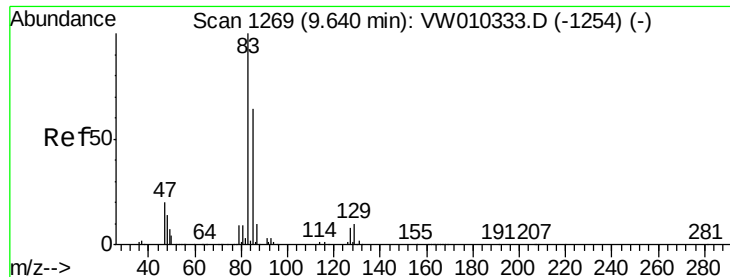
Tgt Ion: 63 Resp: 317977
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.8 35.6



#46
 Dibromomethane
 Concen: 20.068 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

Tgt Ion: 93 Resp: 164814
 Ion Ratio Lower Upper
 93 100
 95 84.3 65.8 98.8
 174 99.2 75.5 113.3





#47

Bromodichloromethane

Concen: 18.702 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

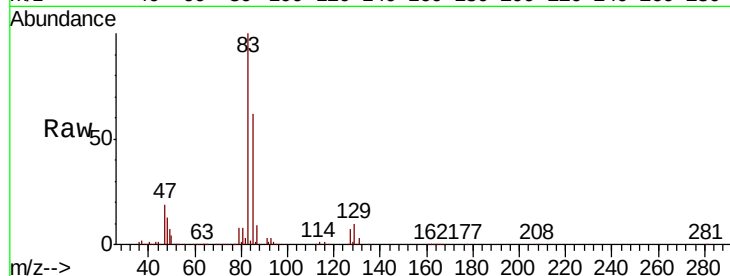
Tgt Ion: 83 Resp: 396489

Ion Ratio Lower Upper

83 100

85 62.4 50.6 75.8

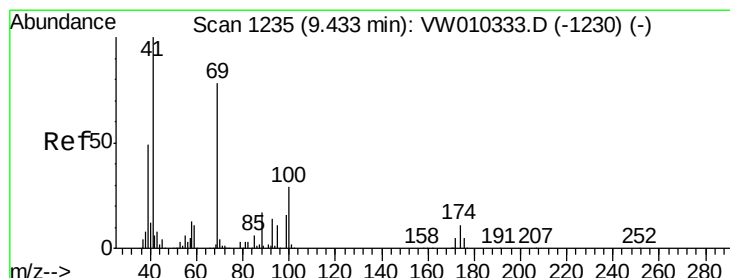
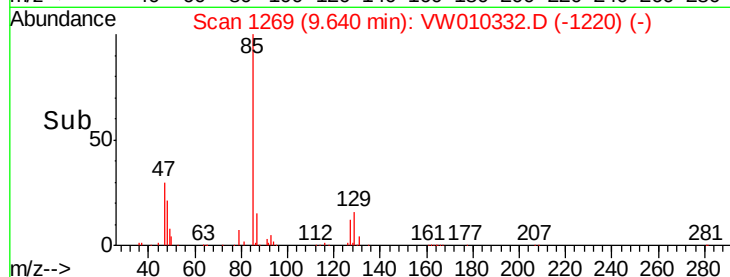
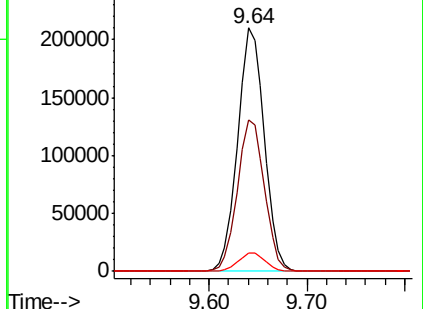
127 7.5 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.047 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

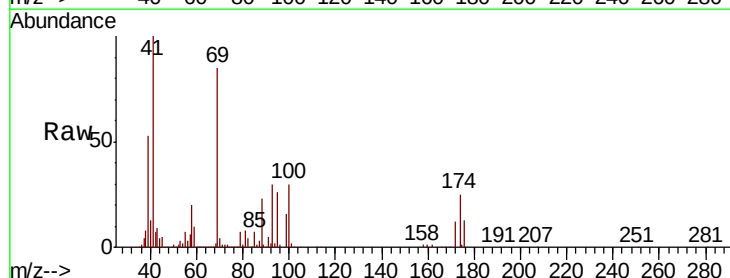
Tgt Ion: 41 Resp: 194650

Ion Ratio Lower Upper

41 100

69 90.0 60.1 90.1

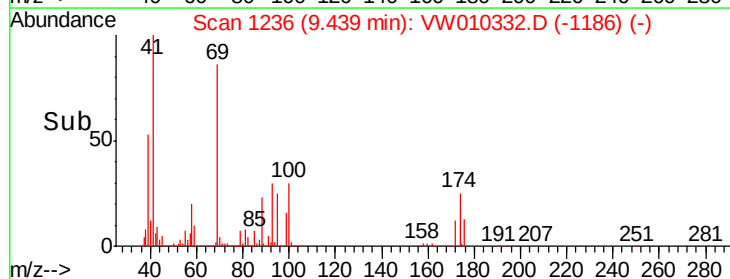
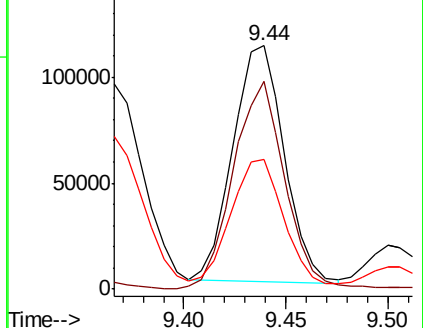
39 53.3 51.0 76.6

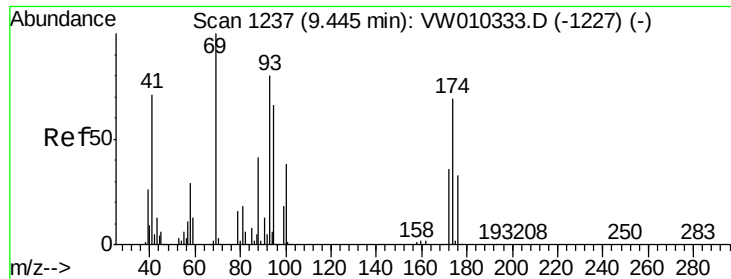


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

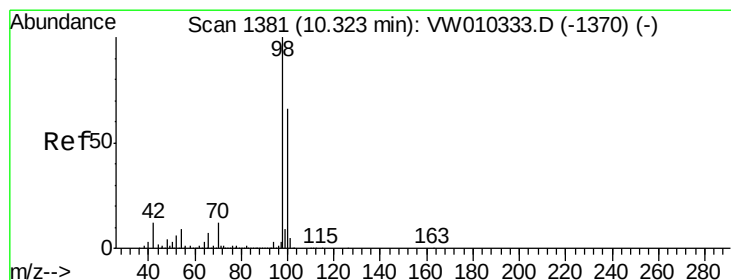
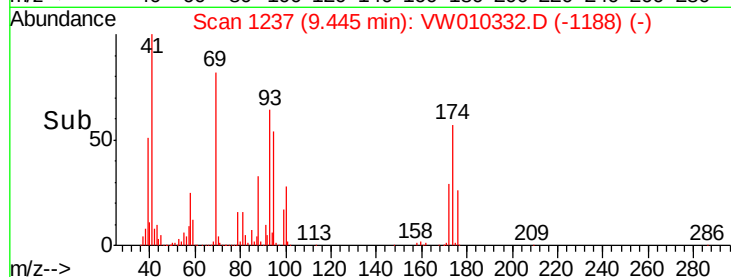
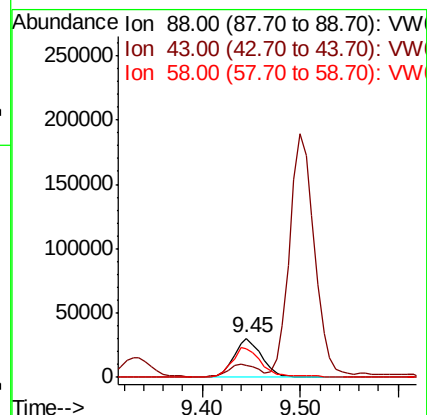
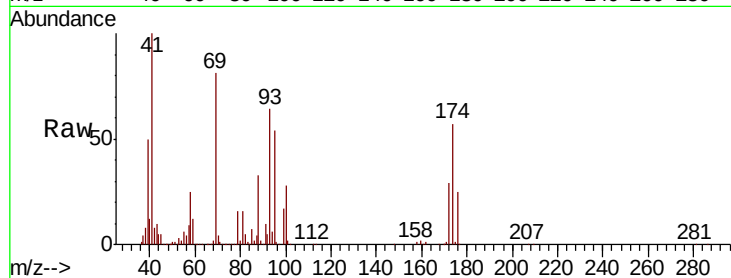




#49
1,4-Dioxane
Concen: 480.106 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

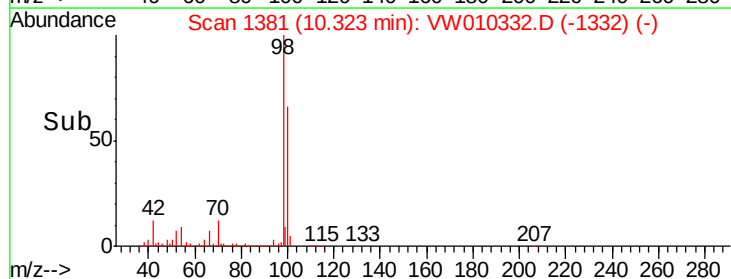
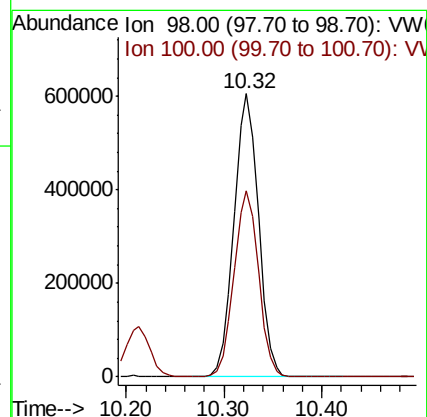
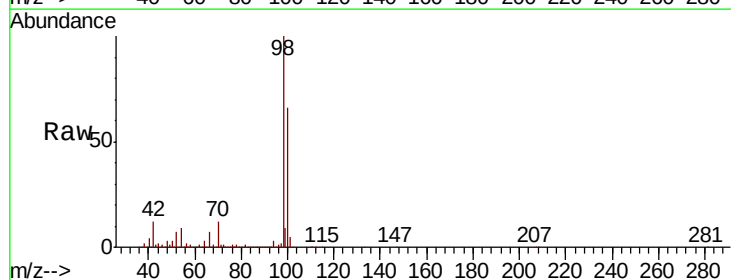
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

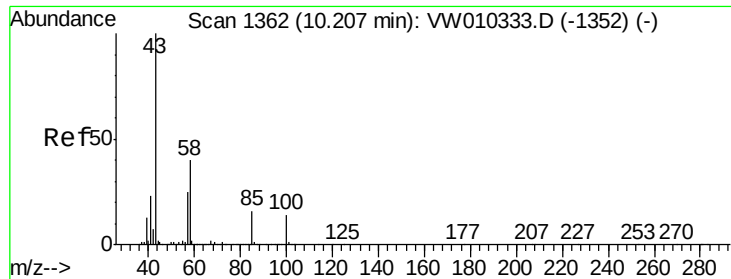
Tgt Ion: 88 Resp: 60248
Ion Ratio Lower Upper
88 100
43 33.5 31.9 47.9
58 83.3 61.8 92.6



#50
Toluene-d8
Concen: 20.451 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Tgt Ion: 98 Resp: 1051601
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5

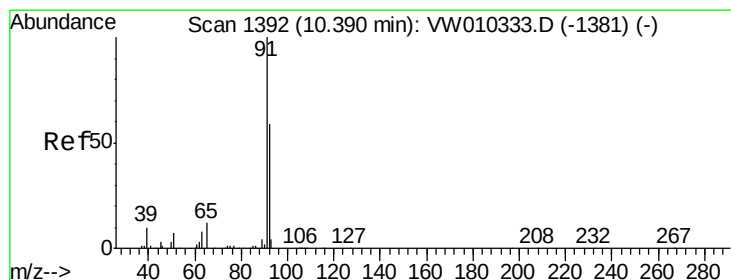
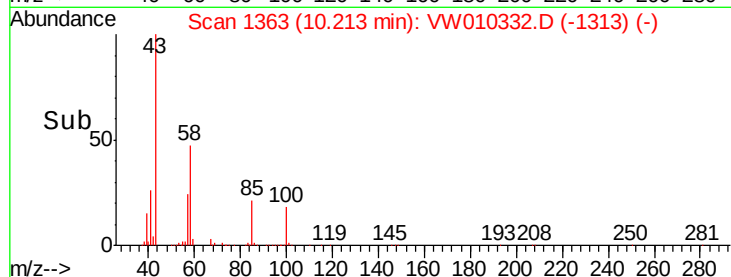
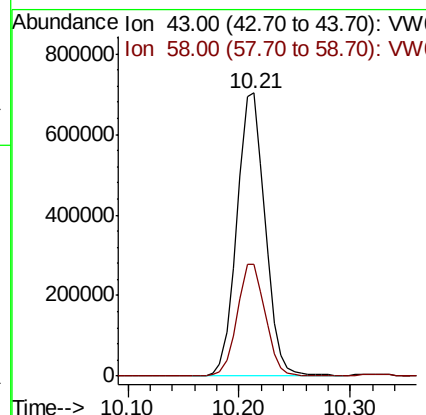
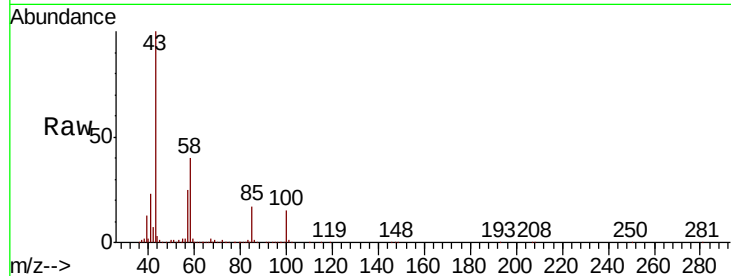




#51
 4-Methyl-2-Pentanone
 Concen: 112.753 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

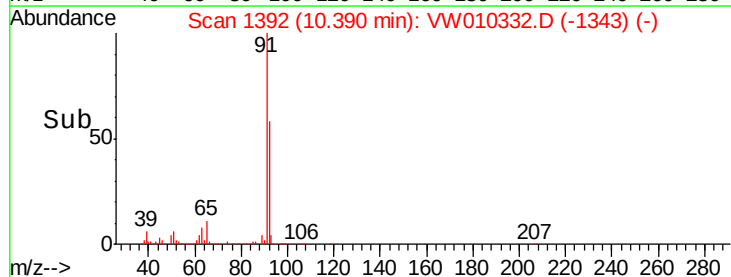
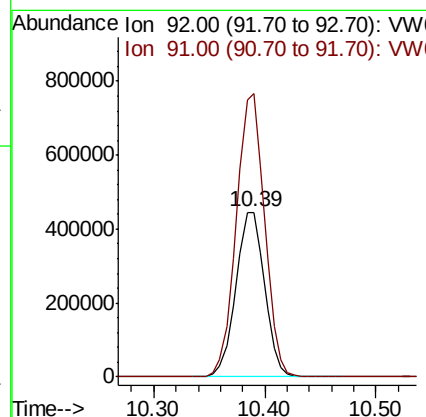
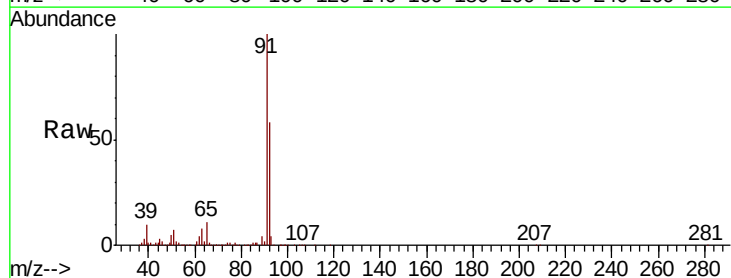
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

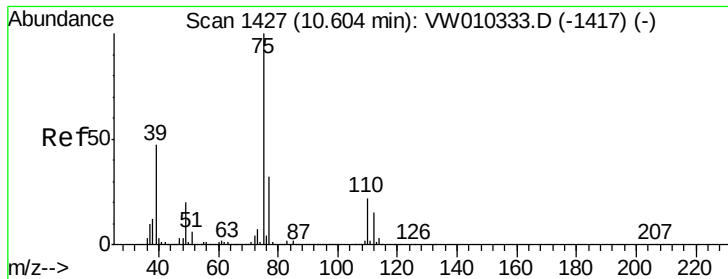
Tgt Ion: 43 Resp: 1239786
 Ion Ratio Lower Upper
 43 100
 58 39.6 28.9 43.3



#52
 Toluene
 Concen: 21.162 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

Tgt Ion: 92 Resp: 794686
 Ion Ratio Lower Upper
 92 100
 91 169.7 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 19.050 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampled :

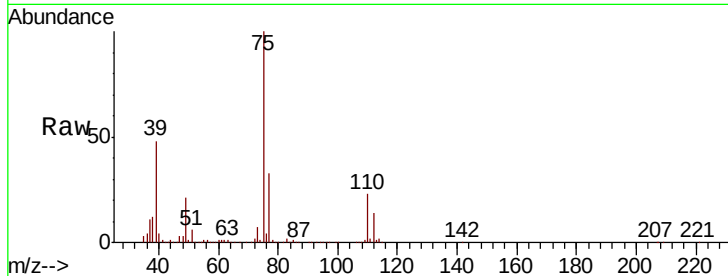
VSTDIC020

Tgt Ion: 75 Resp: 400413

Ion Ratio Lower Upper

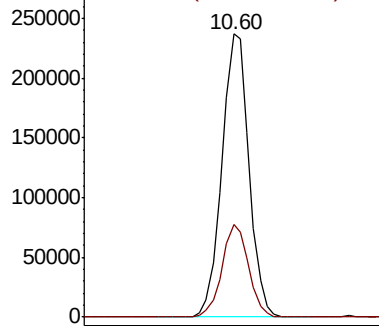
75 100

77 32.6 26.9 40.3

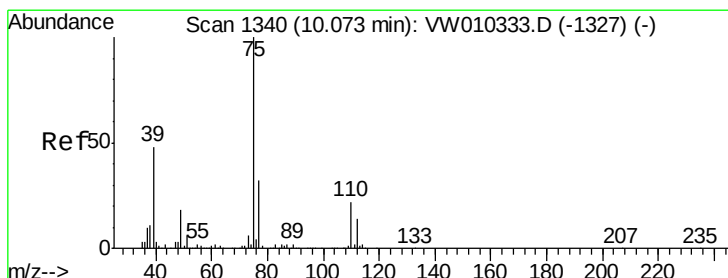
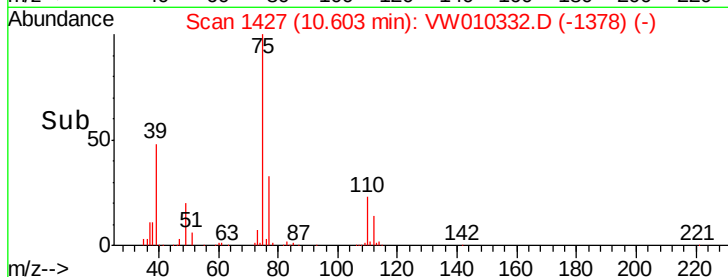


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.785 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

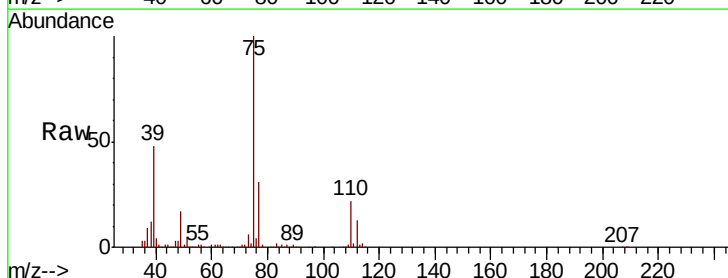
Tgt Ion: 75 Resp: 474856

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

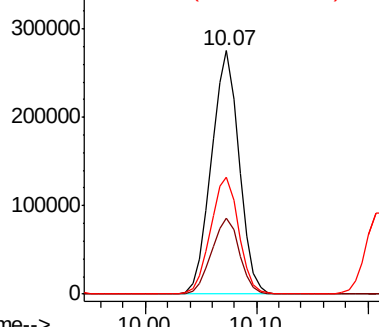
39 47.8 47.8 71.6



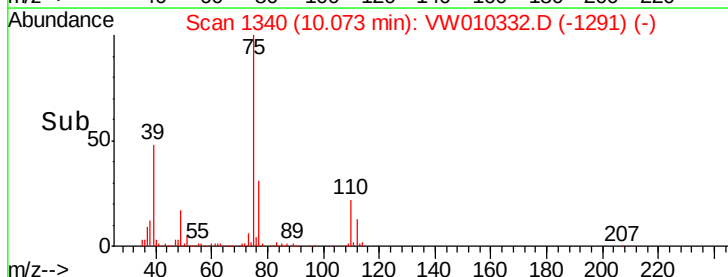
Abundance Ion 74.90 (74.60 to 75.60): VW

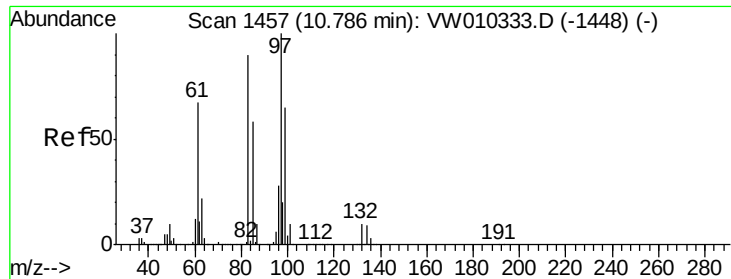
Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



Time-->

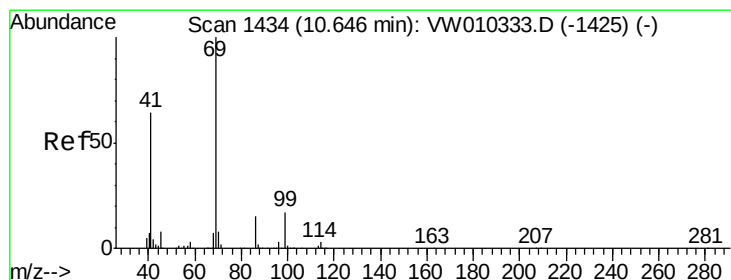
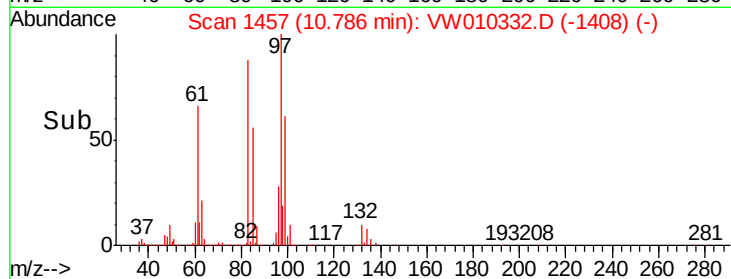
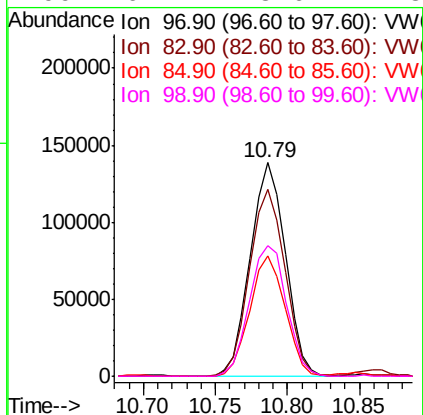
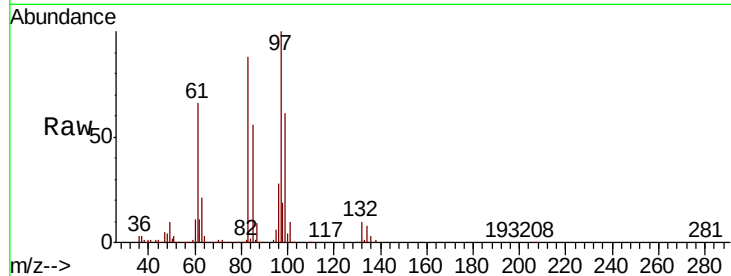




#55
 1,1,2-Trichloroethane
 Concen: 20.478 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

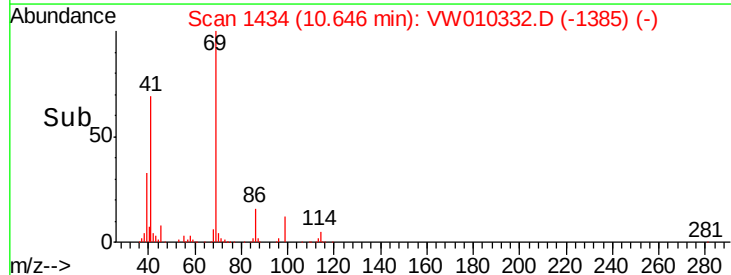
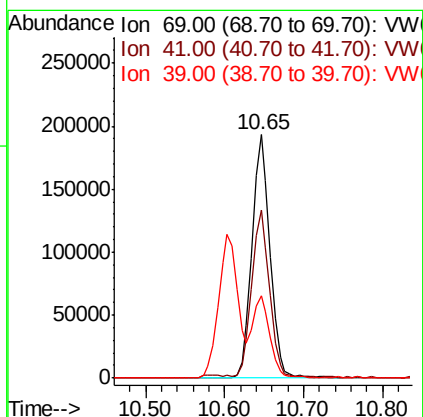
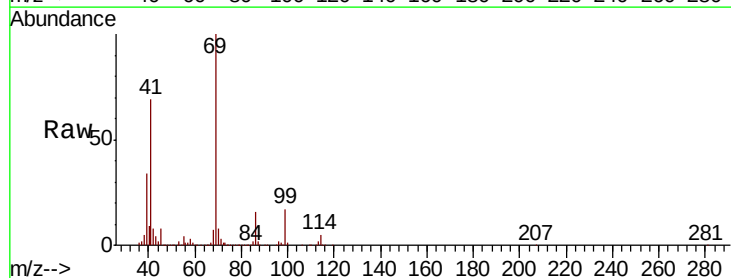
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

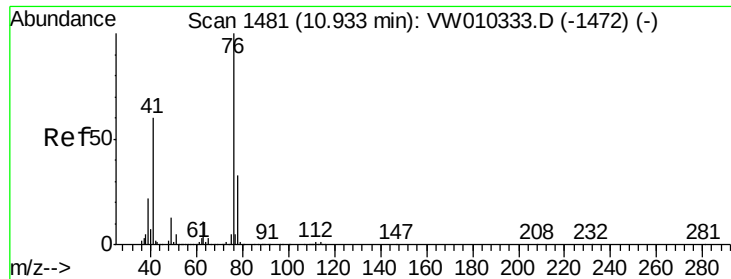
Tgt Ion:	97	Resp:	234733
Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.9	103.3
85	56.1	42.9	64.3
99	61.1	48.6	72.8



#56
 Ethyl methacrylate
 Concen: 21.671 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

Tgt Ion:	69	Resp:	308816
Ion	Ratio	Lower	Upper
69	100		
41	67.4	61.0	91.6
39	31.8	33.8	50.6#

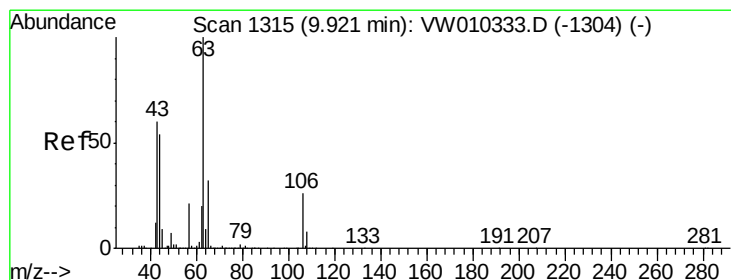
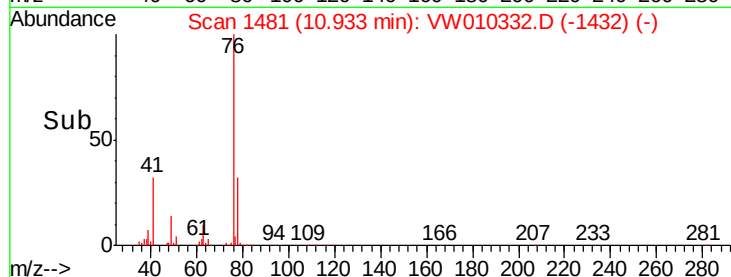
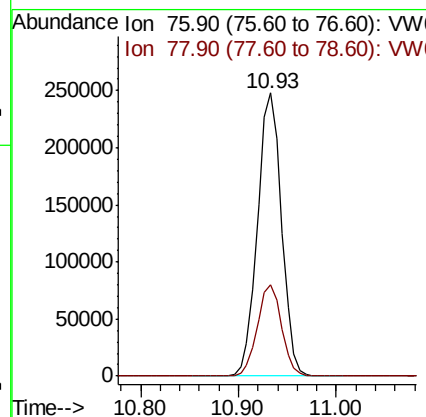
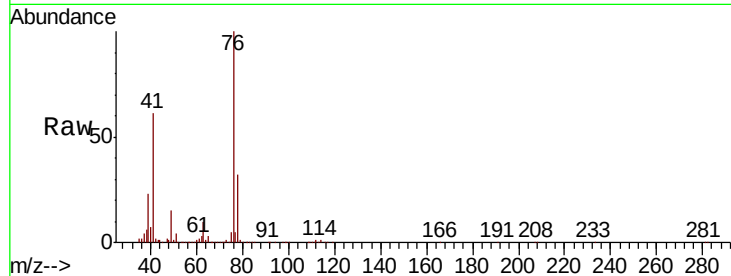




#57
 1,3-Dichloropropane
 Concen: 20.710 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

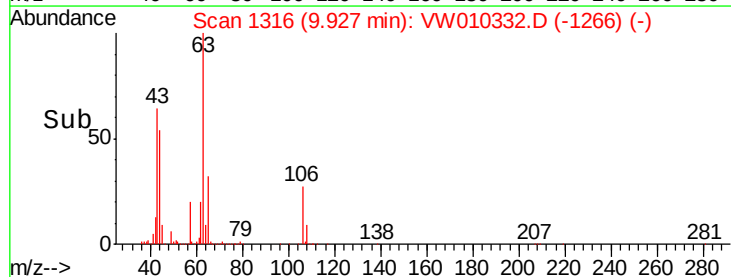
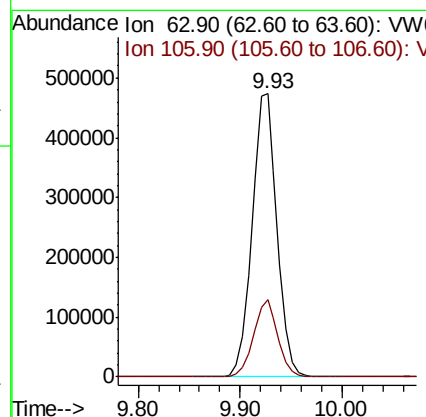
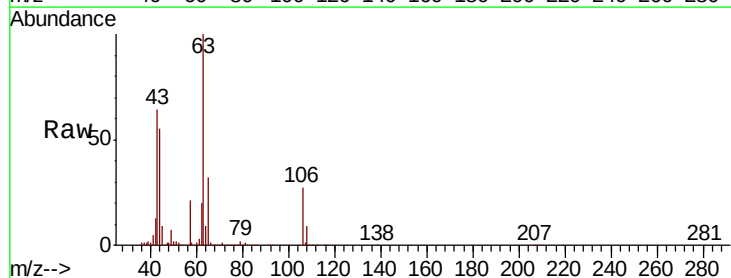
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

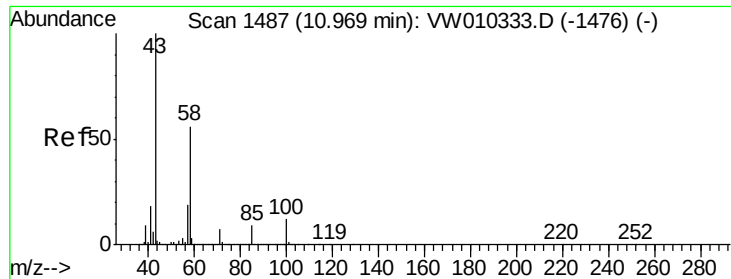
Tgt Ion: 76 Resp: 425486
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 122.149 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

Tgt Ion: 63 Resp: 801606
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.4 32.0

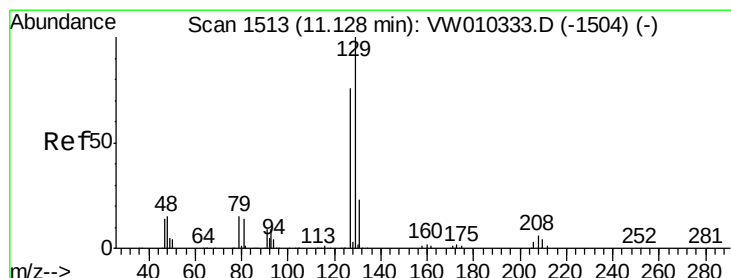
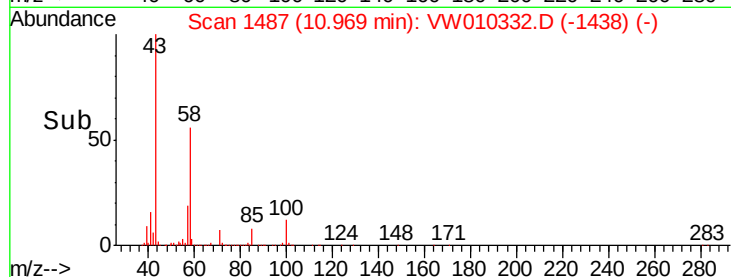
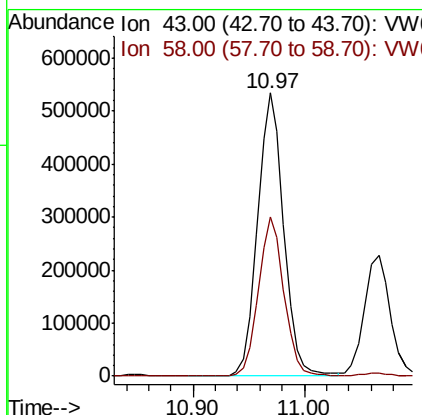
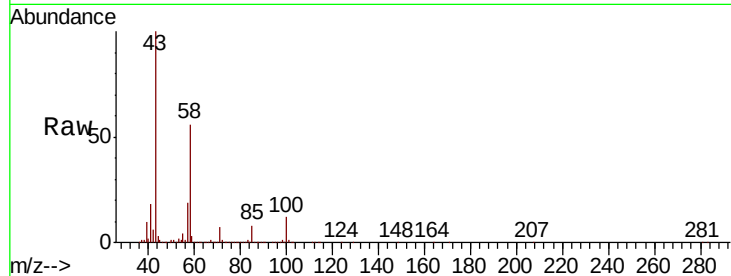




#59
2-Hexanone
Concen: 113.785 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

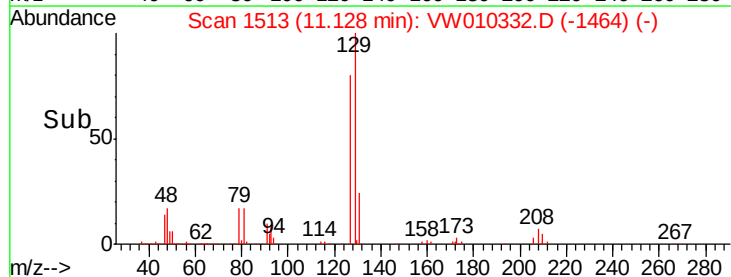
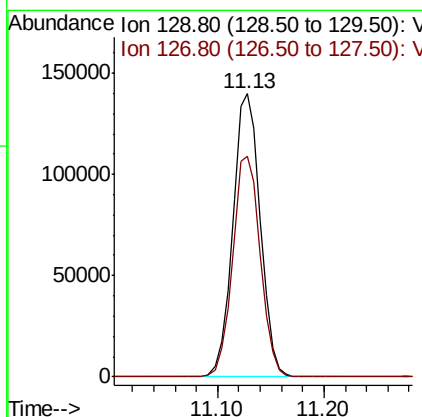
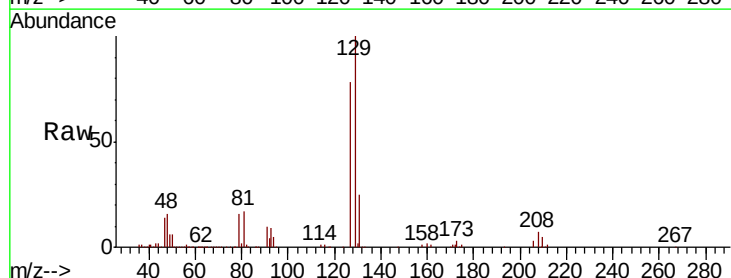
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

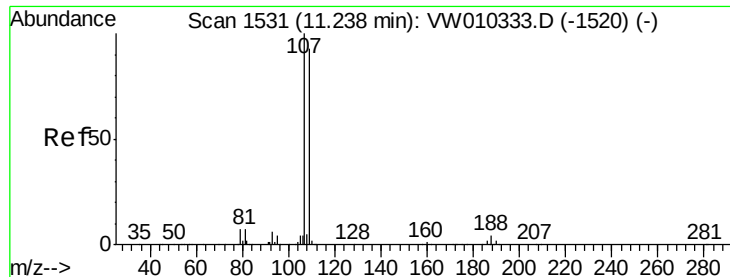
Tgt Ion: 43 Resp: 870928
Ion Ratio Lower Upper
43 100
58 55.3 24.9 74.7



#60
Dibromochloromethane
Concen: 18.994 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Tgt Ion: 129 Resp: 251643
Ion Ratio Lower Upper
129 100
127 78.7 38.6 116.0

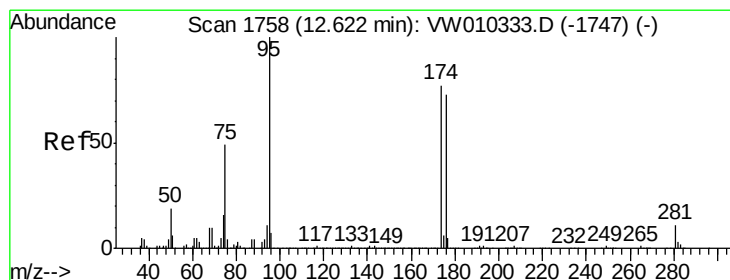
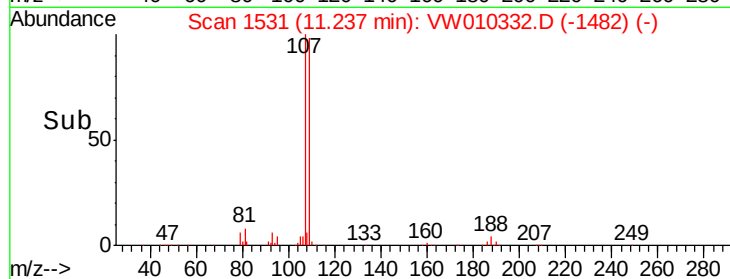
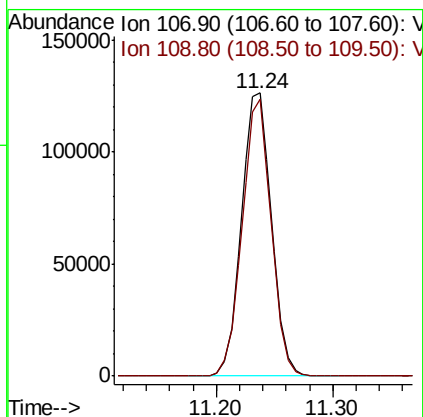
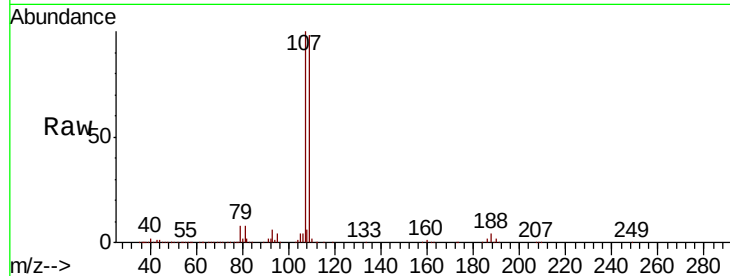




#61
 1,2-Dibromoethane
 Concen: 20.819 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

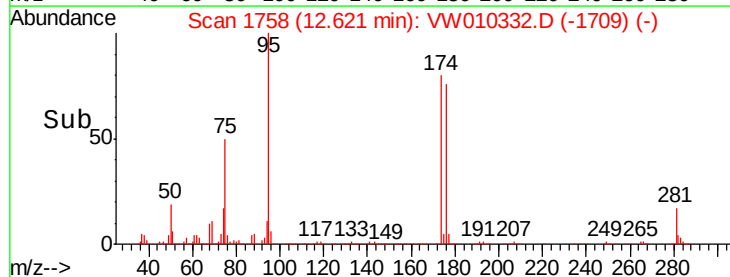
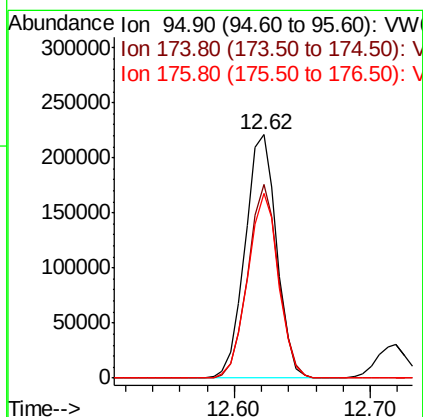
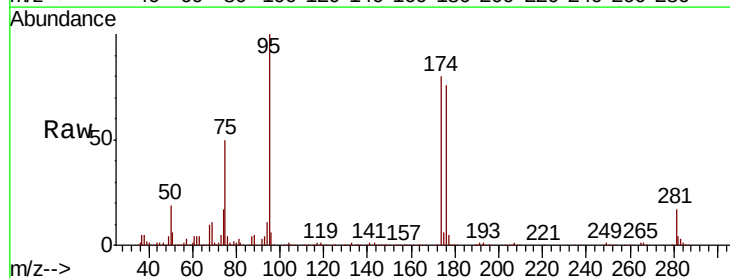
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

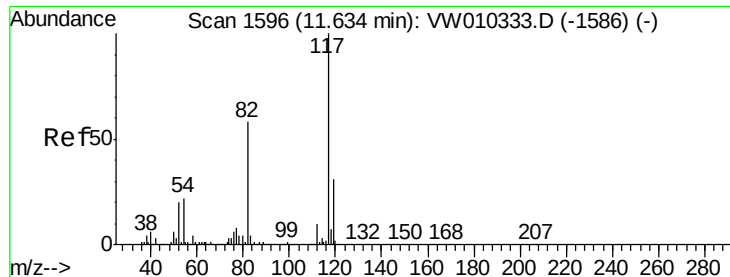
Tgt Ion: 107 Resp: 227014
 Ion Ratio Lower Upper
 107 100
 109 94.5 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 19.252 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

Tgt Ion: 95 Resp: 359846
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 151.4
 176 74.7 0.0 146.2

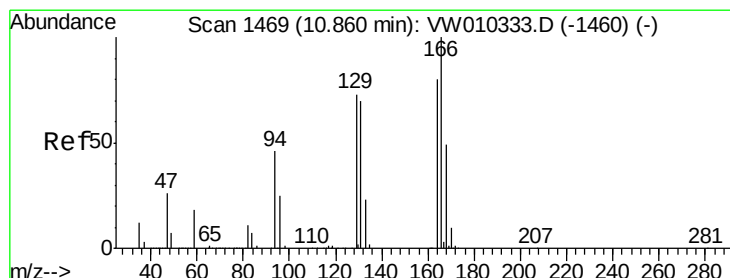
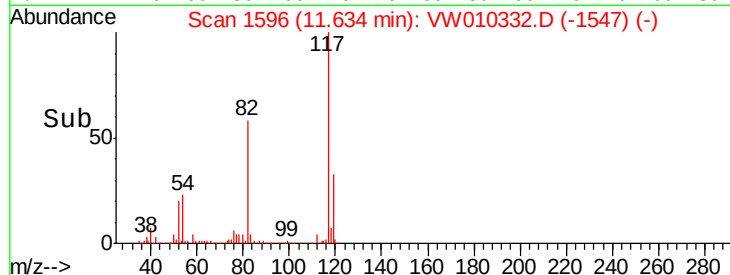
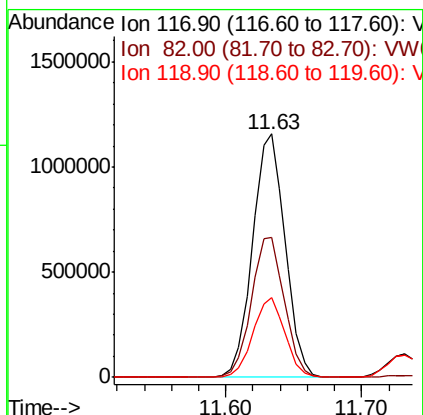
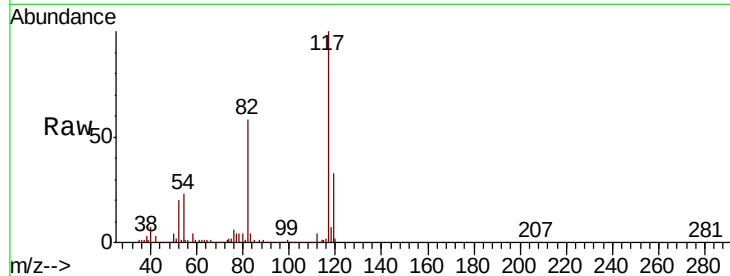




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

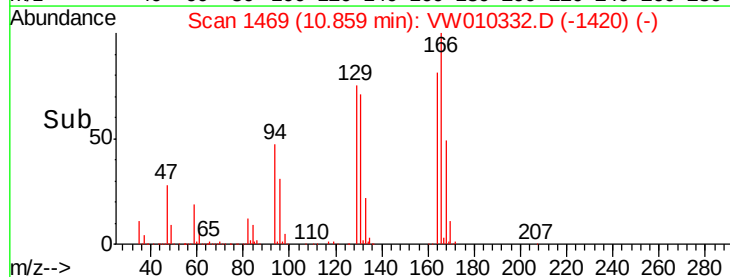
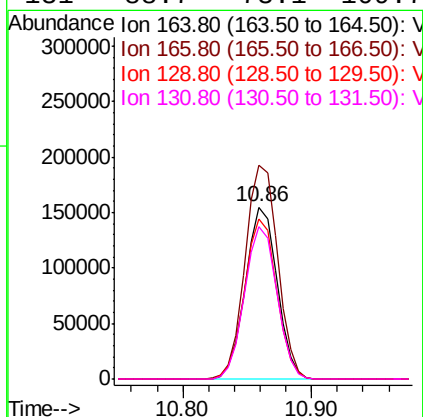
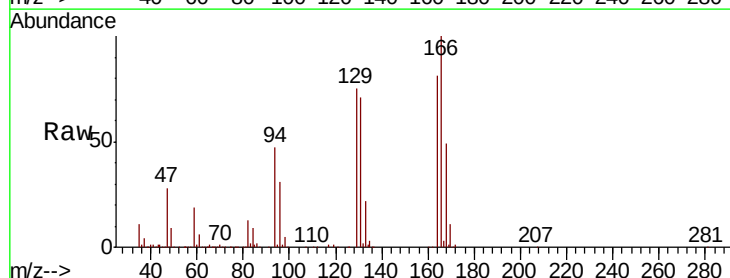
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

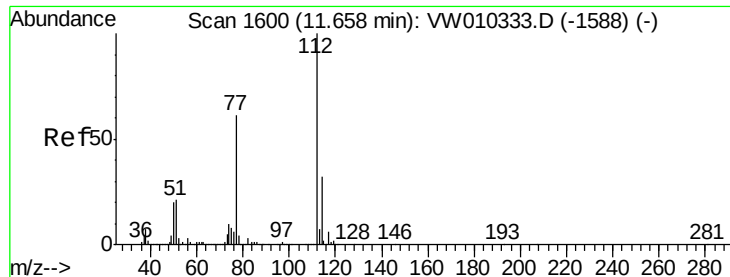
Tgt Ion:117 Resp: 1947043
Ion Ratio Lower Upper
117 100
82 57.7 45.2 67.8
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 20.815 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Tgt Ion:164 Resp: 263098
Ion Ratio Lower Upper
164 100
166 124.1 101.2 151.8
129 93.1 77.8 116.6
131 88.7 73.1 109.7

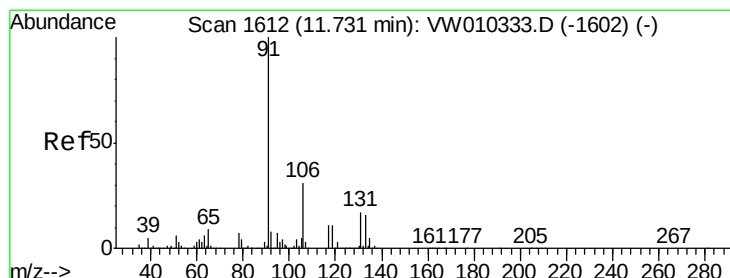
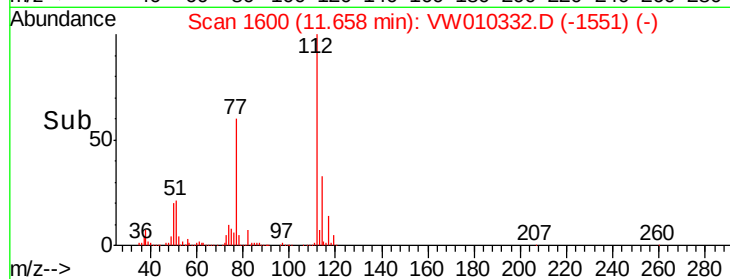
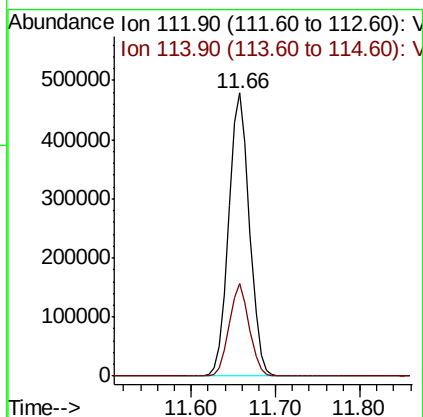
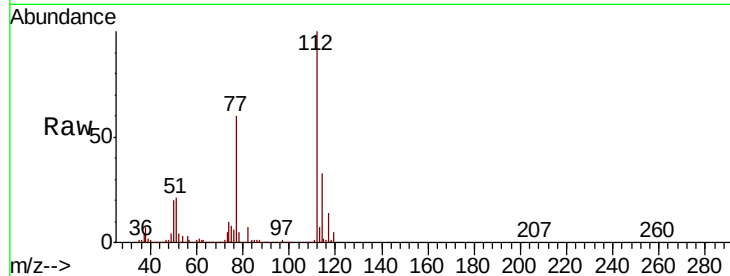




#65
Chlorobenzene
Concen: 20.151 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

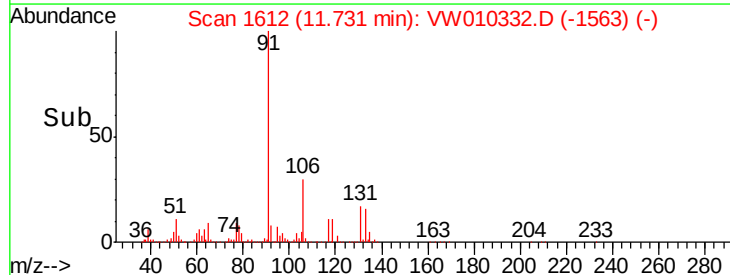
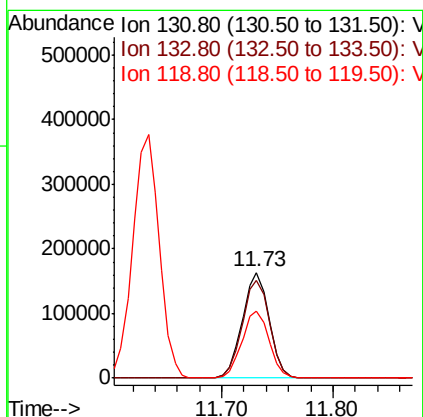
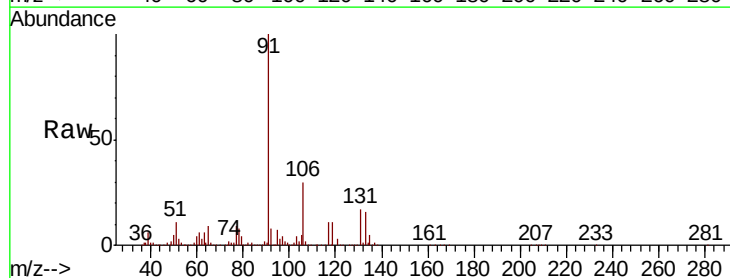
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

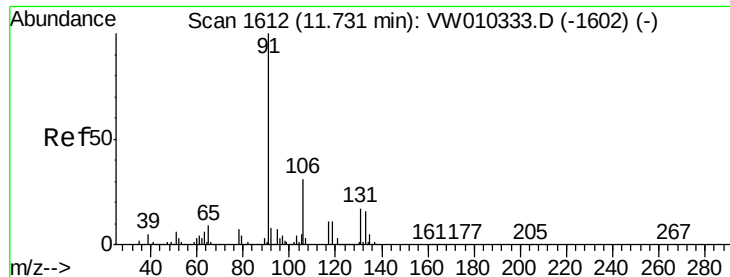
Tgt Ion:112 Resp: 803035
Ion Ratio Lower Upper
112 100
114 32.6 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.060 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Tgt Ion:131 Resp: 271628
Ion Ratio Lower Upper
131 100
133 94.6 46.5 139.5
119 64.8 31.9 95.5

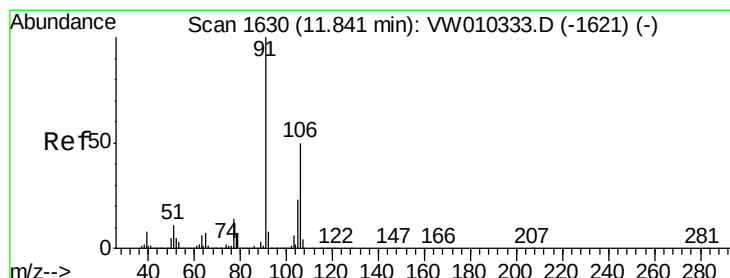
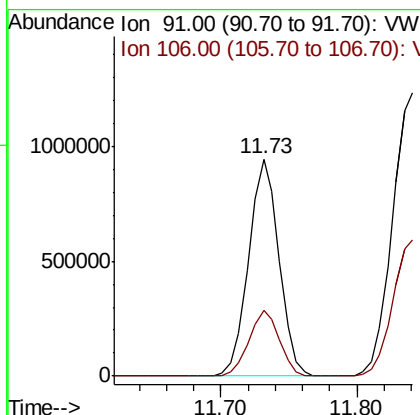
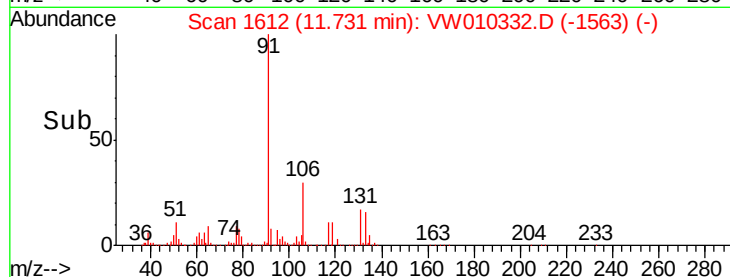
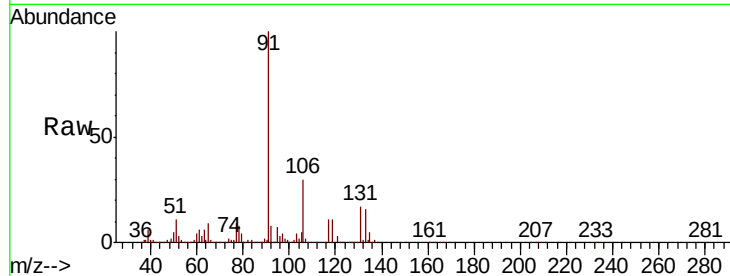




#67
Ethyl Benzene
Concen: 20.768 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

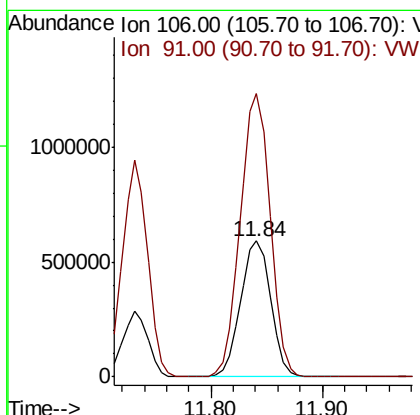
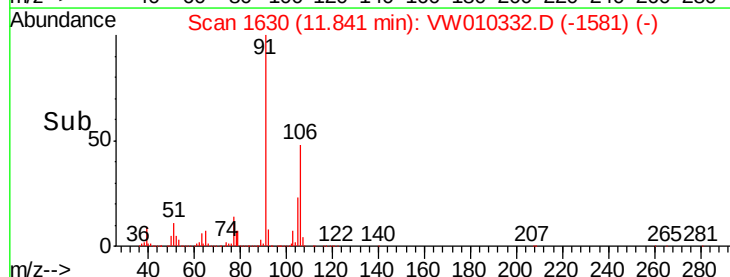
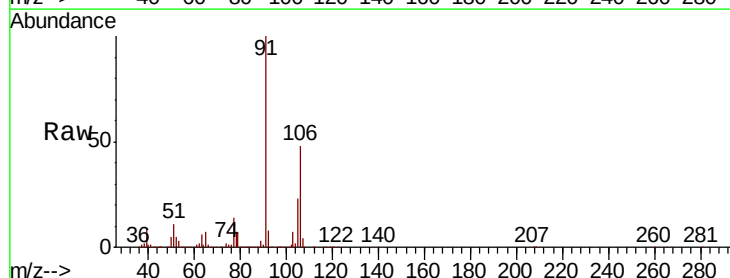
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

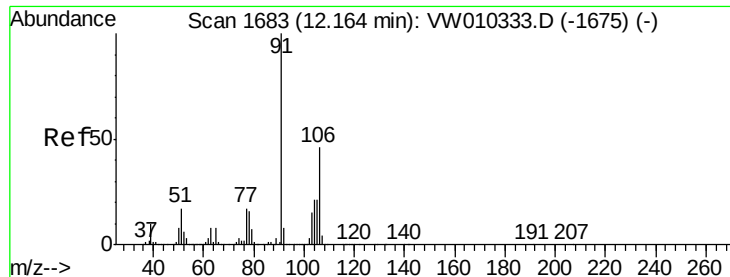
Tgt Ion: 91 Resp: 1476586
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.8



#68
m/p-Xylenes
Concen: 41.825 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Tgt Ion: 106 Resp: 1111620
Ion Ratio Lower Upper
106 100
91 206.6 165.0 247.6

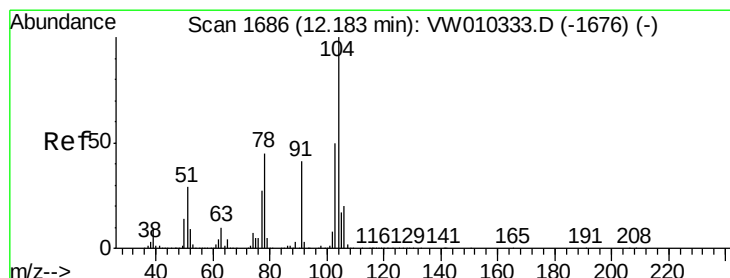
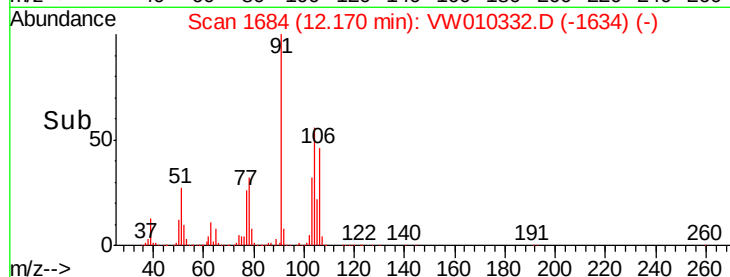
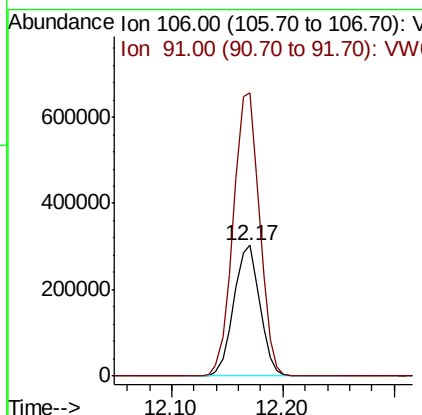
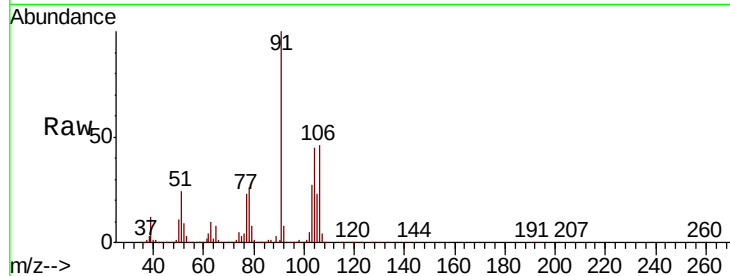




#69
o-Xylene
Concen: 20.341 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

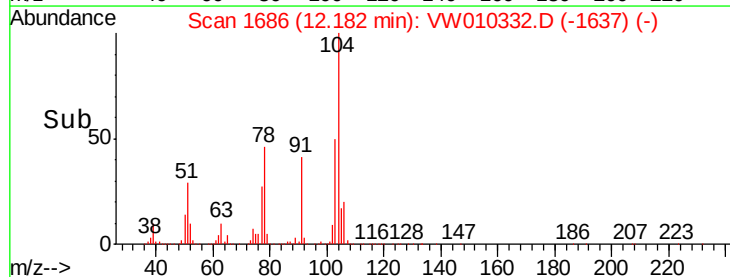
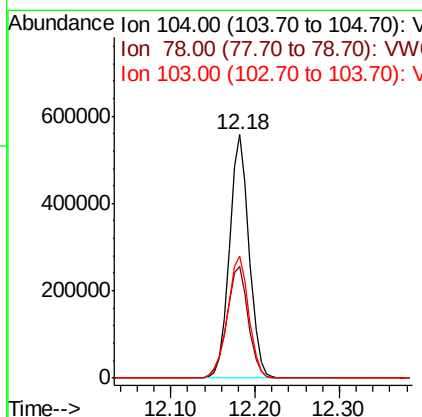
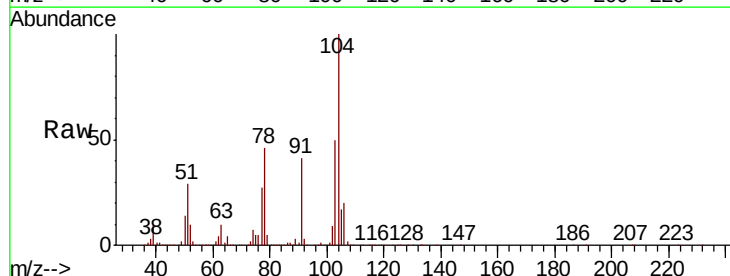
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

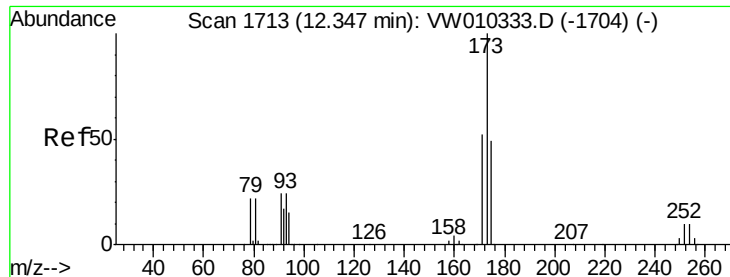
Tgt Ion:106 Resp: 492247
Ion Ratio Lower Upper
106 100
91 218.2 110.5 331.4



#70
Styrene
Concen: 21.167 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Tgt Ion:104 Resp: 883219
Ion Ratio Lower Upper
104 100
78 50.5 42.5 63.7
103 54.4 43.6 65.4





#71

Bromoform

Concen: 20.450 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

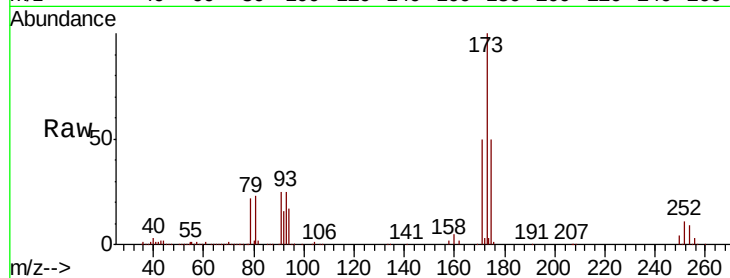
Tgt Ion:173 Resp: 154102

Ion Ratio Lower Upper

173 100

175 49.6 23.8 71.4

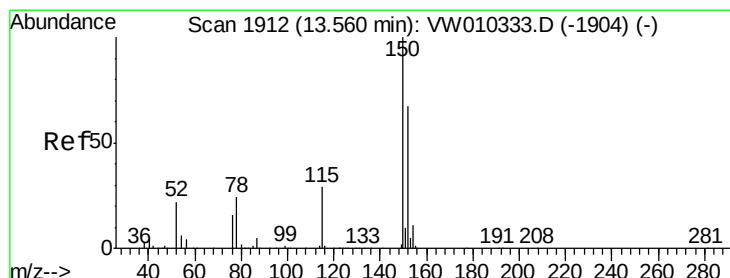
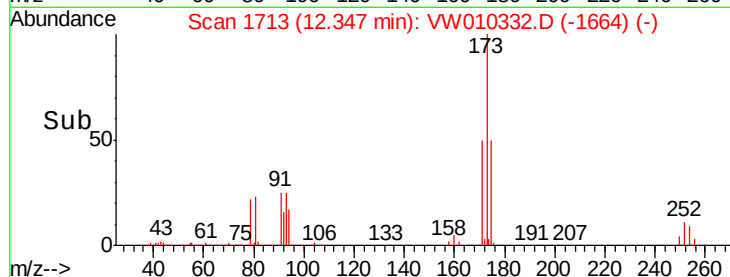
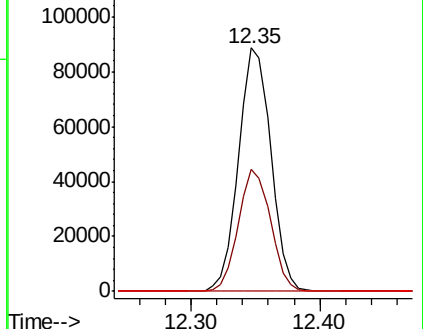
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

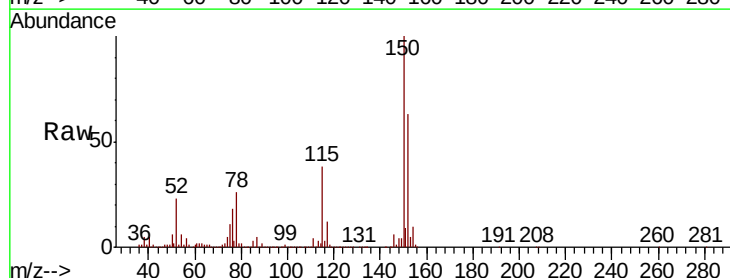
Tgt Ion:152 Resp: 980308

Ion Ratio Lower Upper

152 100

115 59.7 30.4 91.2

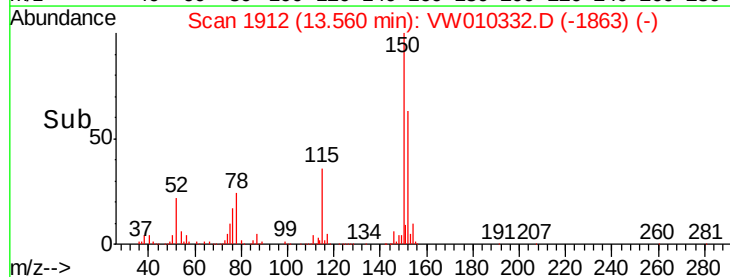
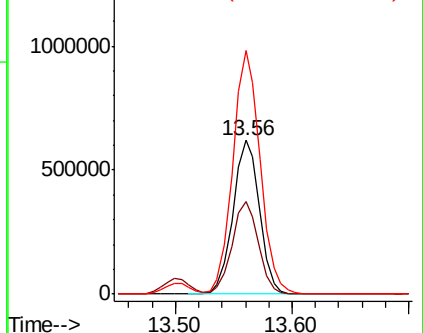
150 162.9 0.0 347.0

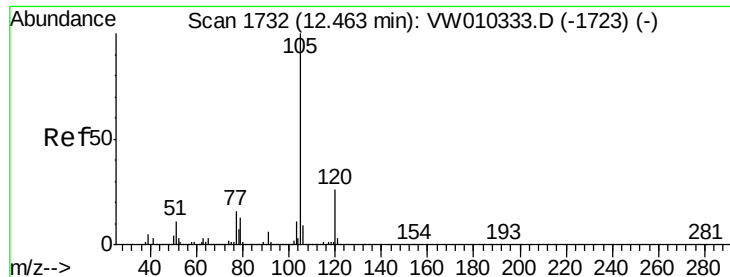


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.582 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

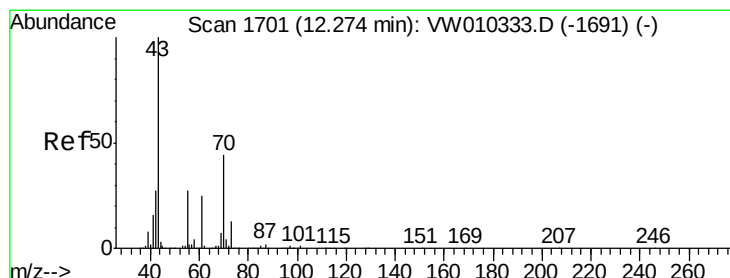
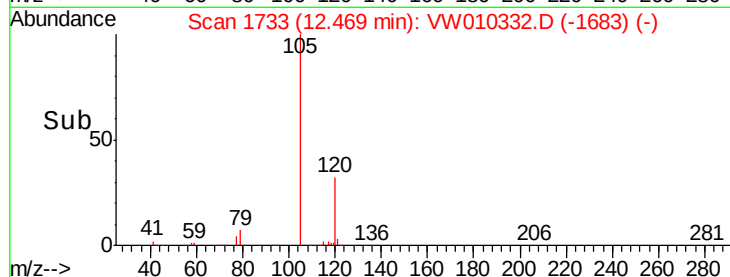
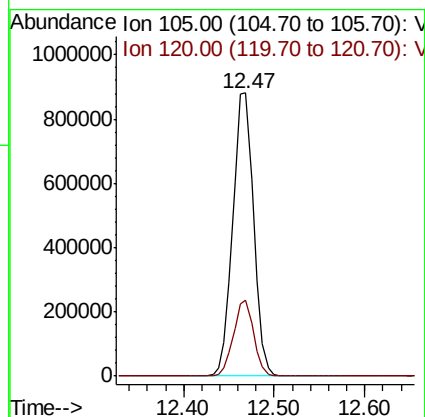
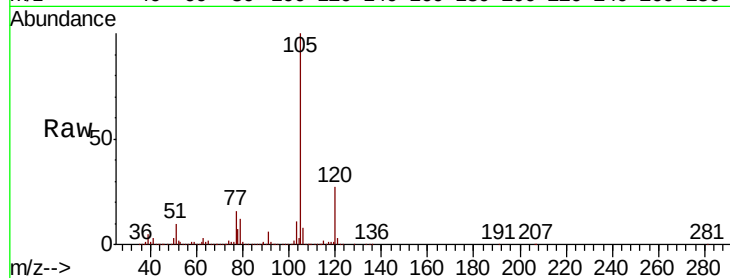
VSTDIC020

Tgt Ion:105 Resp: 1404277

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1



#74

N-amyl acetate

Concen: 19.363 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Tgt Ion: 43 Resp: 365852

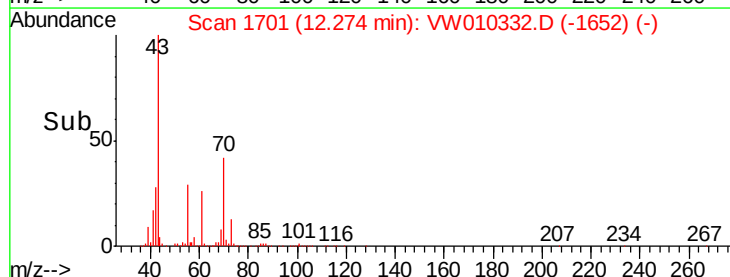
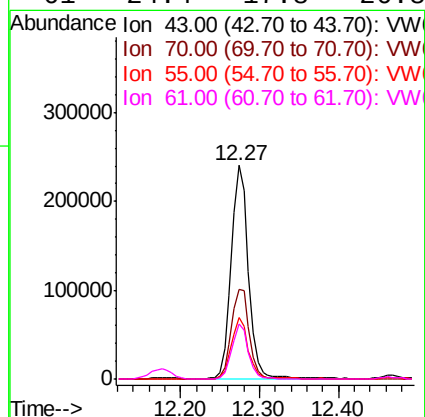
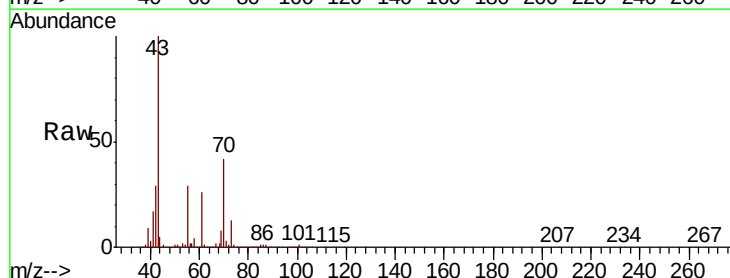
Ion Ratio Lower Upper

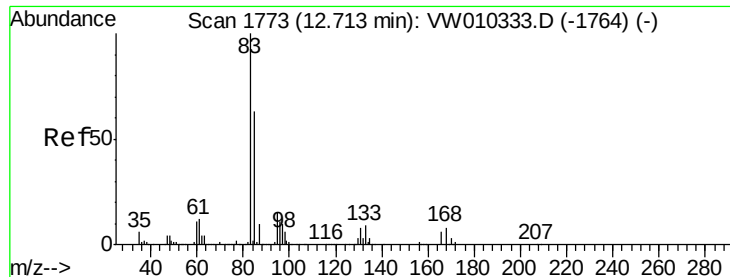
43 100

70 44.0 31.3 46.9

55 28.5 20.0 30.0

61 24.4 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.049 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

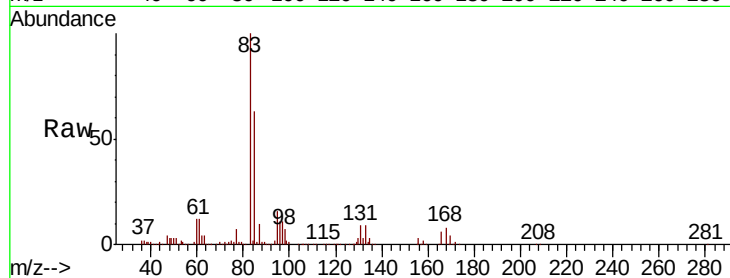
Tgt Ion: 83 Resp: 310692

Ion Ratio Lower Upper

83 100

131 9.8 5.3 15.8

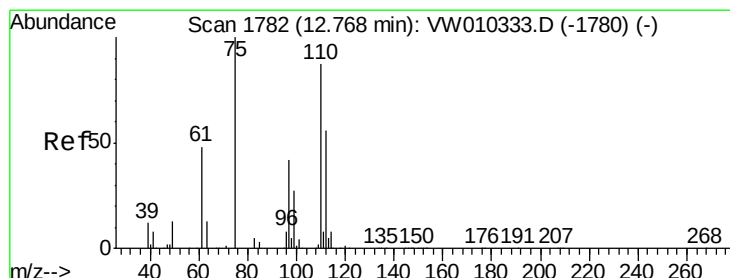
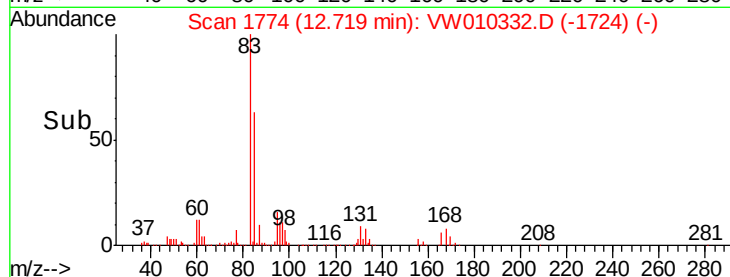
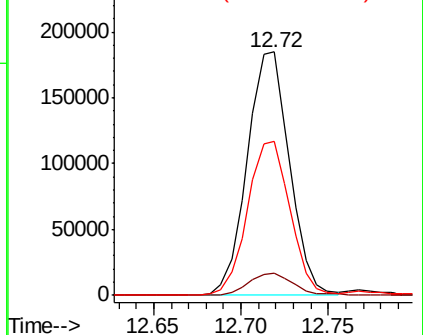
85 63.7 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 40.780 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010332.D

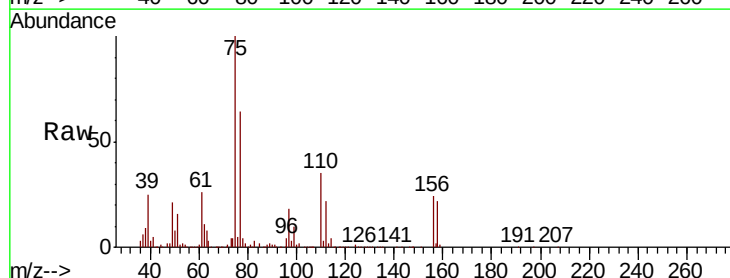
Acq: 09 May 2019 12:06

Tgt Ion: 75 Resp: 400114

Ion Ratio Lower Upper

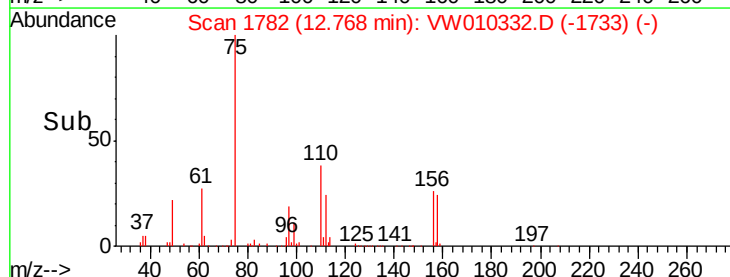
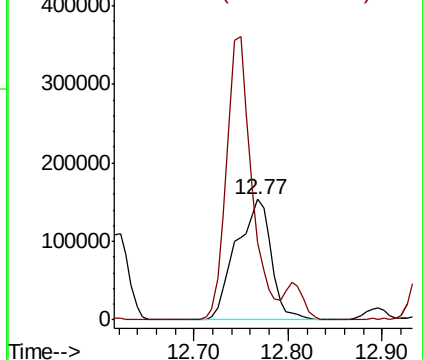
75 100

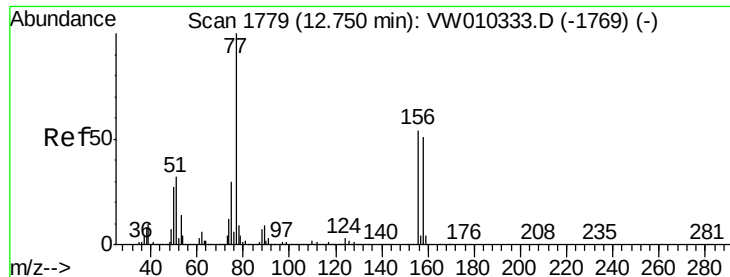
77 169.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.216 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

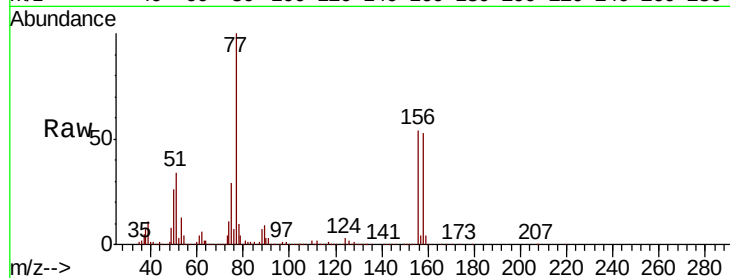
Tgt Ion: 156 Resp: 317219

Ion Ratio Lower Upper

156 100

77 213.6 102.5 307.4

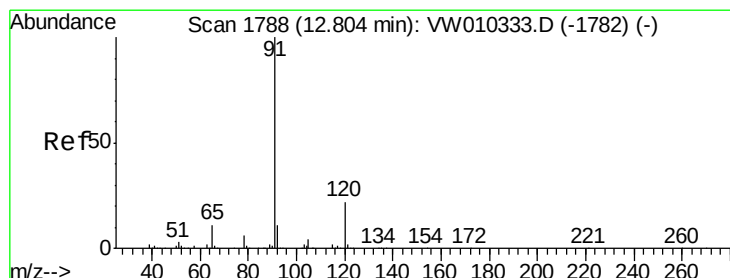
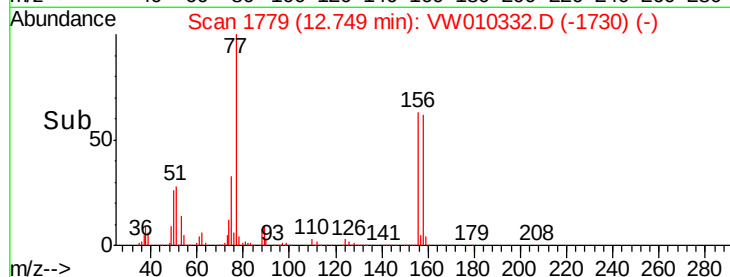
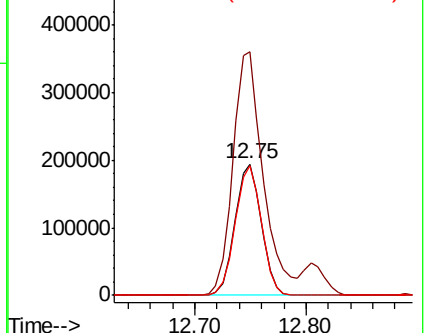
158 98.0 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.880 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010332.D

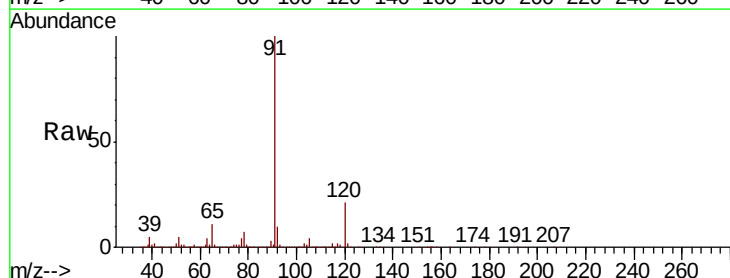
Acq: 09 May 2019 12:06

Tgt Ion: 91 Resp: 1765591

Ion Ratio Lower Upper

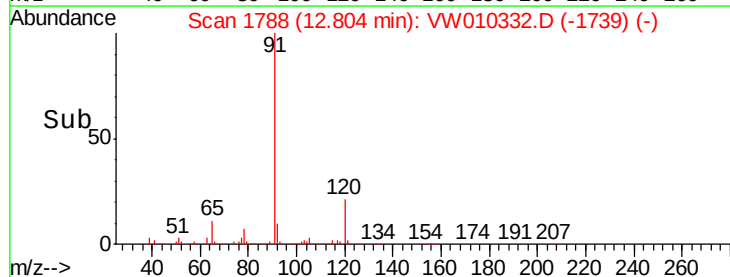
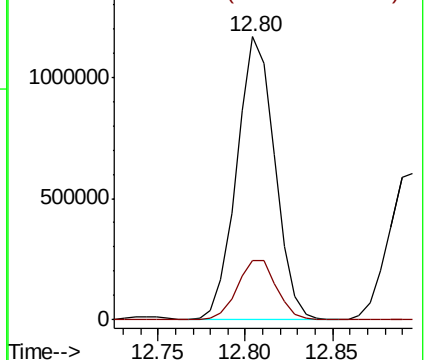
91 100

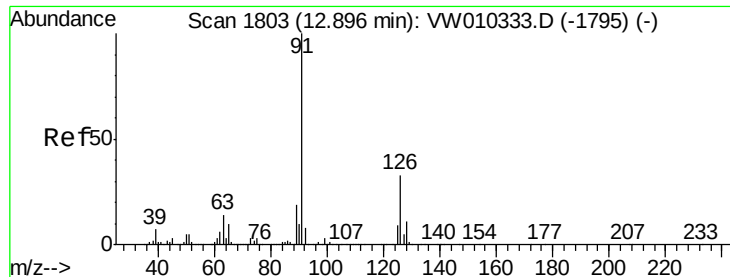
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.308 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

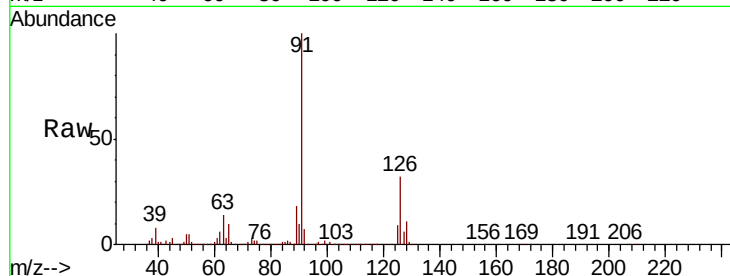
VSTDIC020

Tgt Ion: 91 Resp: 987606

Ion Ratio Lower Upper

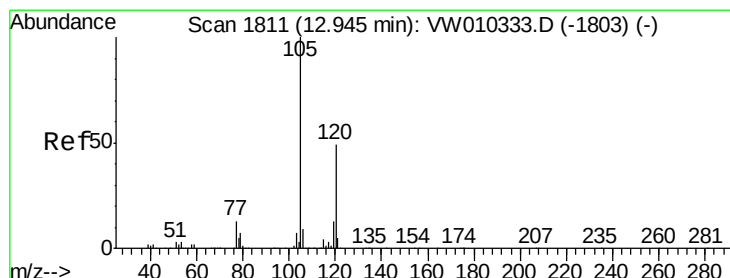
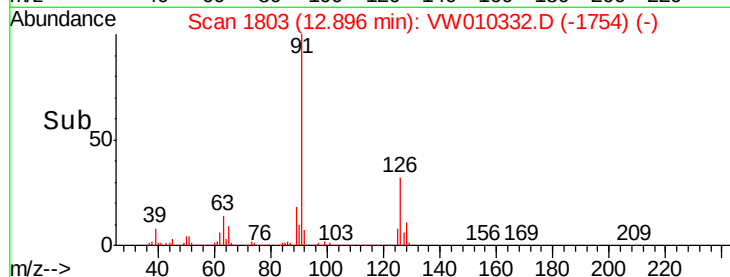
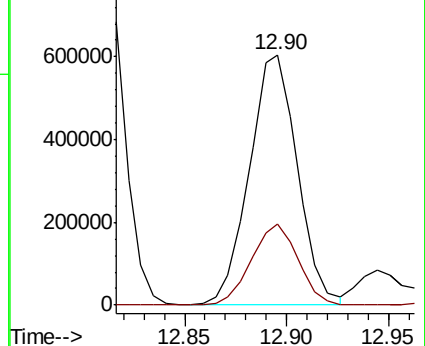
91 100

126 31.8 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.079 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010332.D

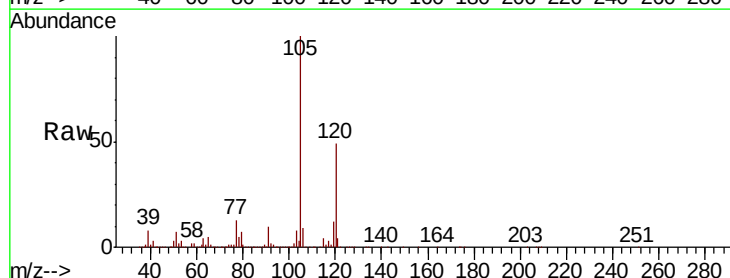
Acq: 09 May 2019 12:06

Tgt Ion: 105 Resp: 1219366

Ion Ratio Lower Upper

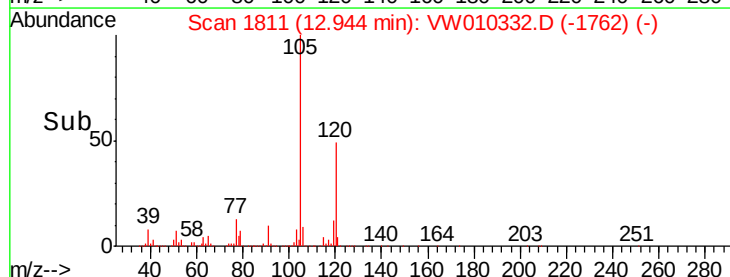
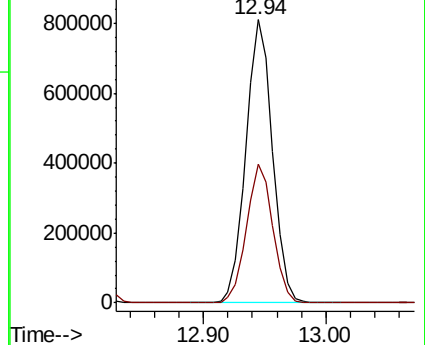
105 100

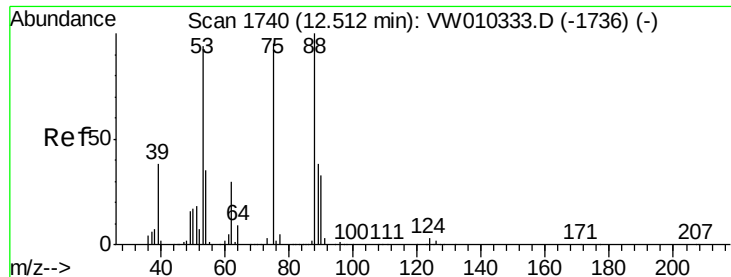
120 48.4 24.3 72.8



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: 23.220 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

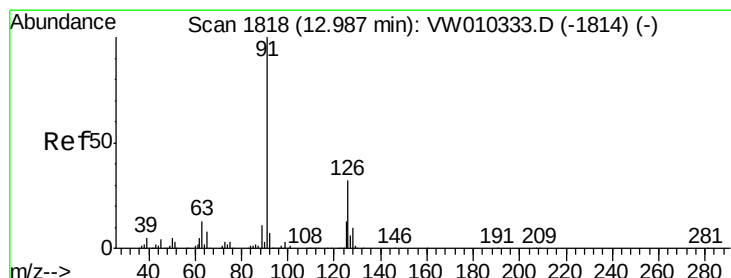
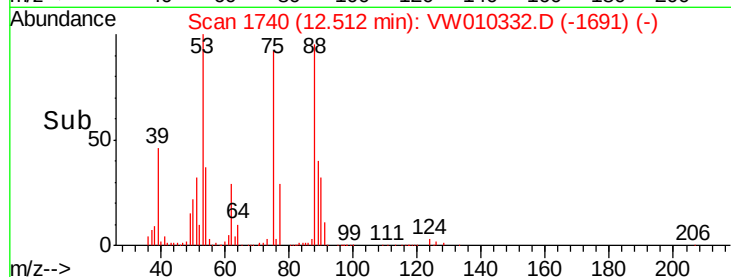
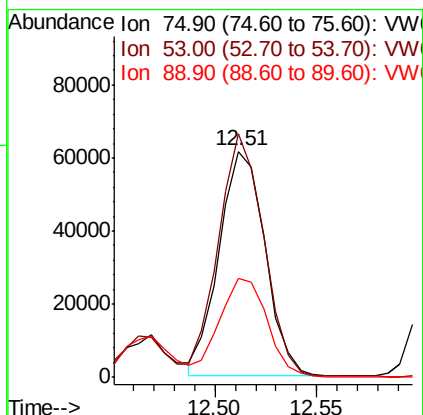
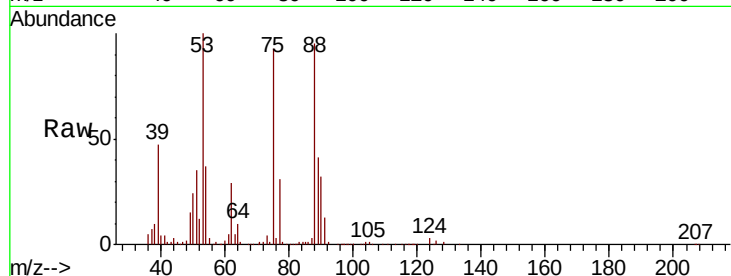
Tgt Ion: 75 Resp: 96617

Ion Ratio Lower Upper

75 100

53 106.8 89.8 134.8

89 45.9 36.6 54.8



#82

4-Chlorotoluene

Concen: 20.568 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010332.D

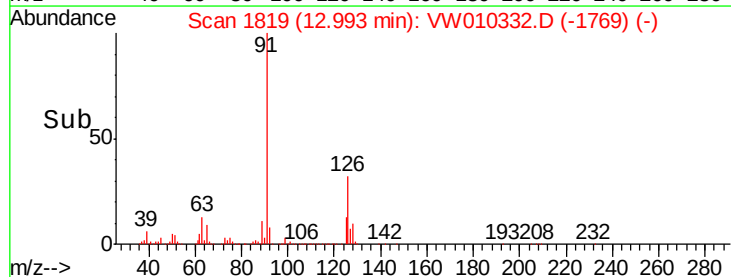
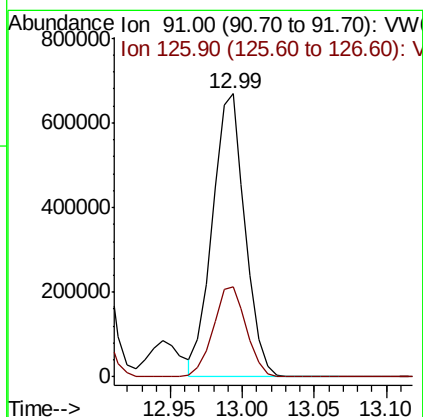
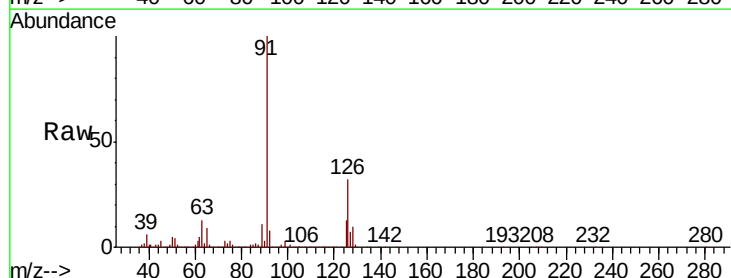
Acq: 09 May 2019 12:06

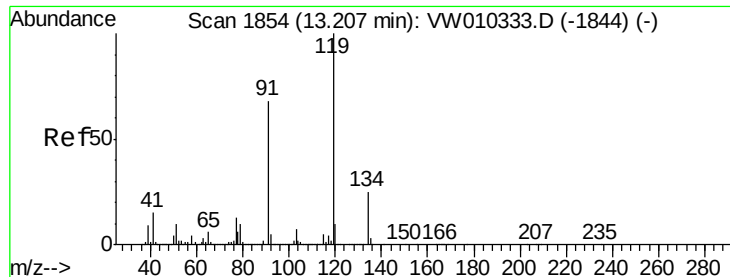
Tgt Ion: 91 Resp: 1052771

Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.1





#83

tert-Butylbenzene

Concen: 20.348 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

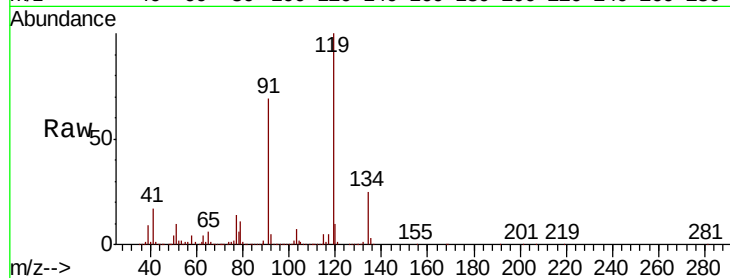
Tgt Ion:119 Resp: 974779

Ion Ratio Lower Upper

119 100

91 68.1 34.8 104.4

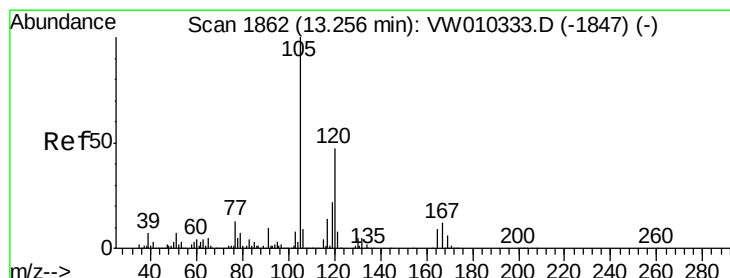
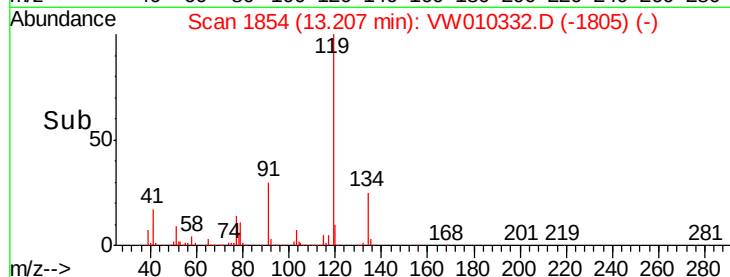
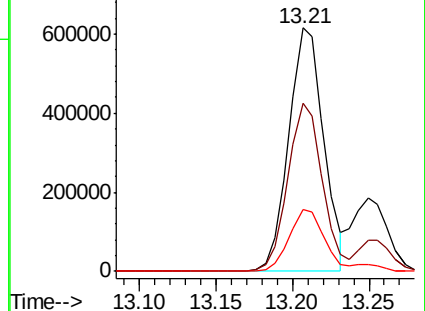
134 25.4 13.7 41.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.717 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010332.D

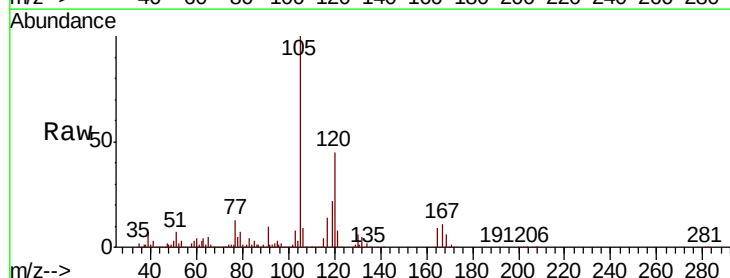
Acq: 09 May 2019 12:06

Tgt Ion:105 Resp: 1215071

Ion Ratio Lower Upper

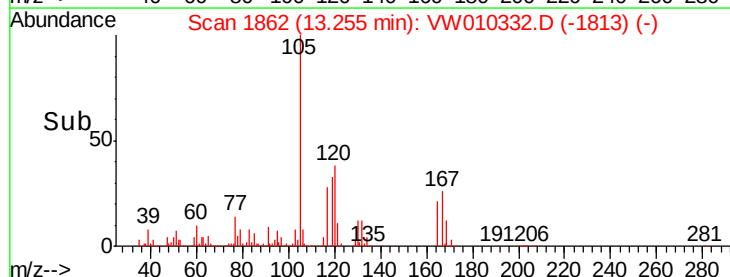
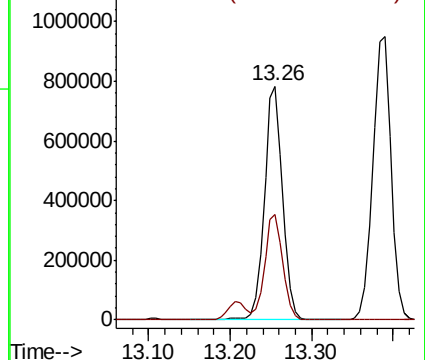
105 100

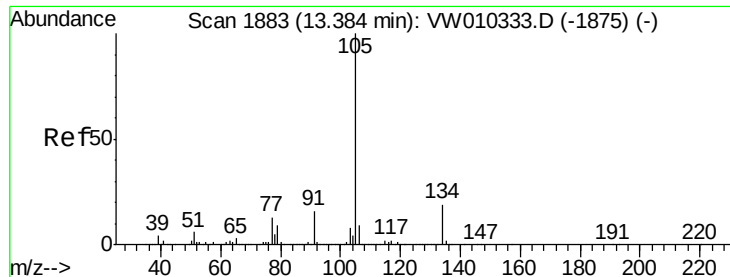
120 44.8 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

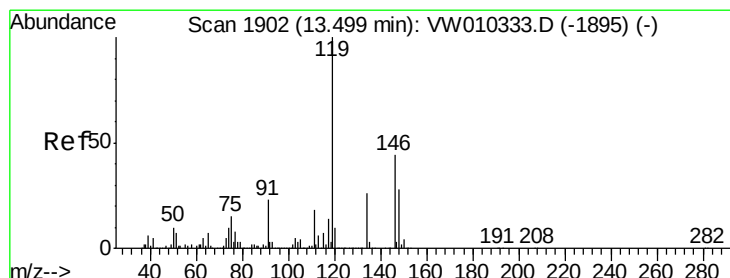
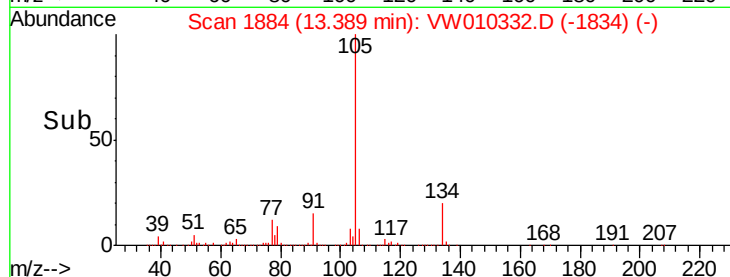
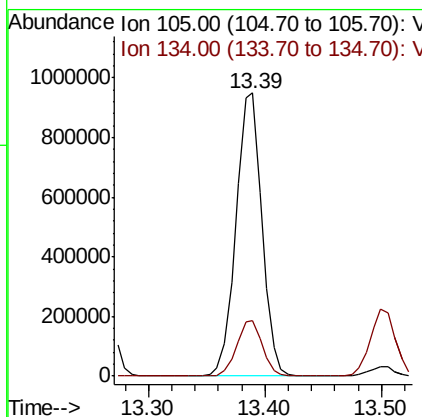
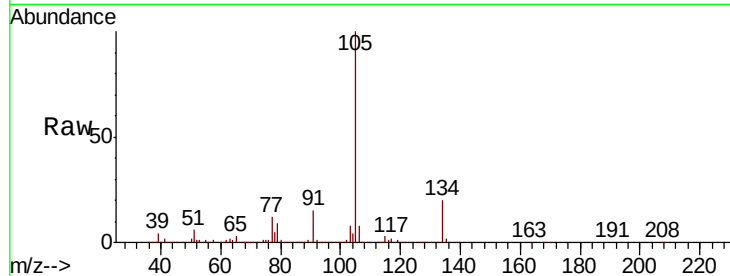




#85
 sec-Butylbenzene
 Concen: 20.471 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

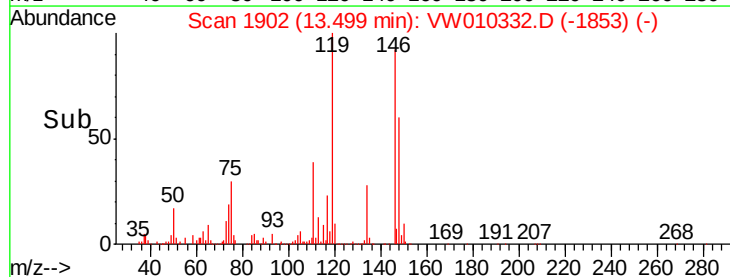
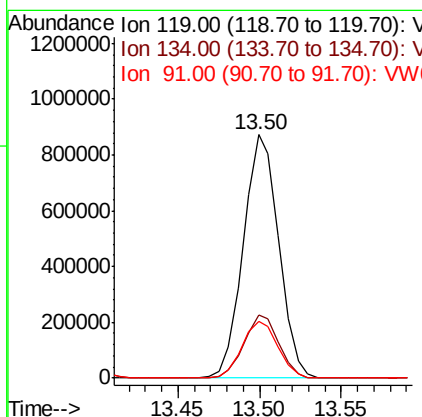
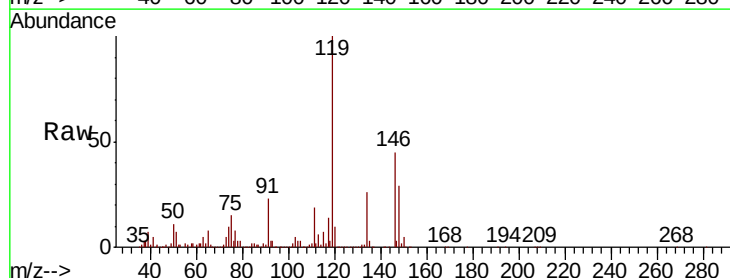
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

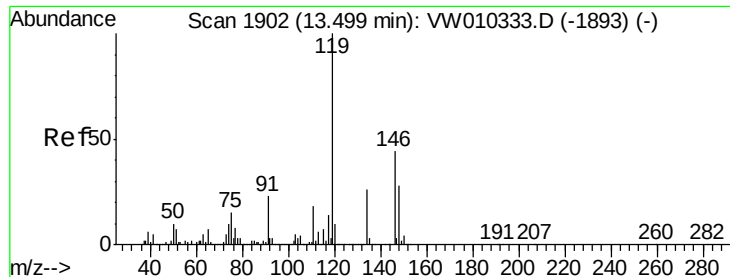
Tgt Ion:105 Resp: 1465474
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.843 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

Tgt Ion:119 Resp: 1315144
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 23.8 12.3 36.9

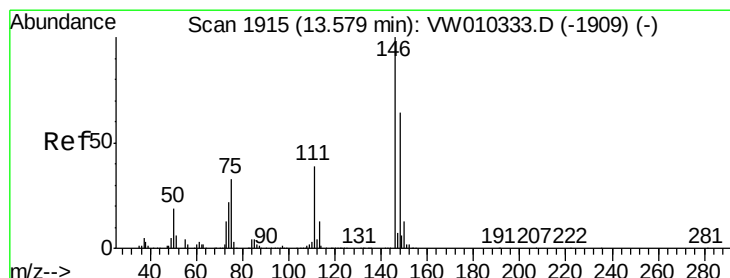
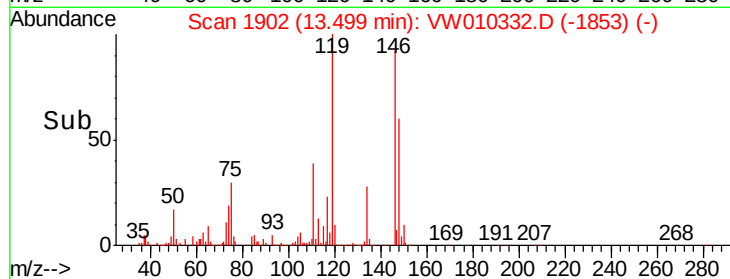
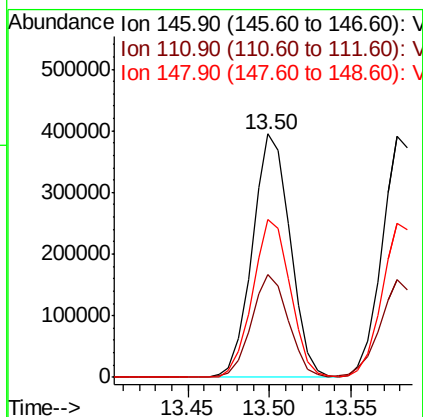
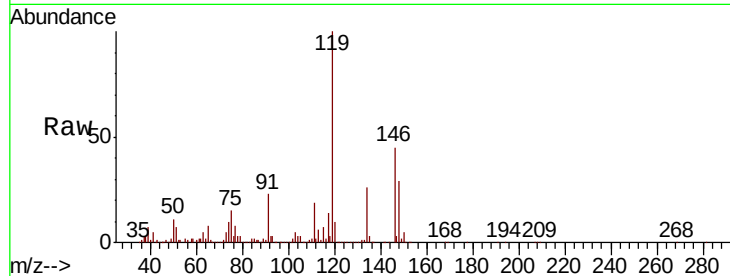




#87
 1,3-Dichlorobenzene
 Concen: 20.030 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

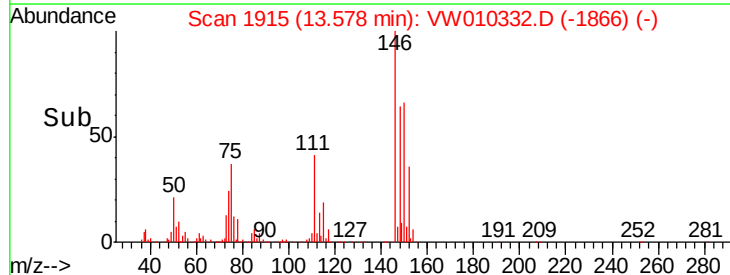
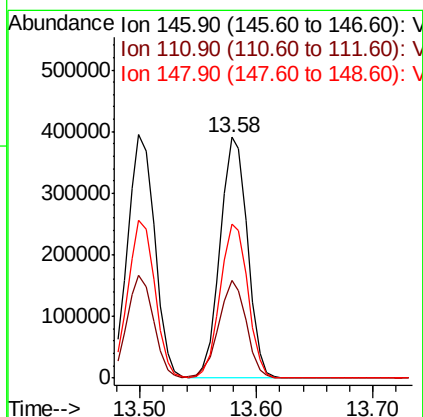
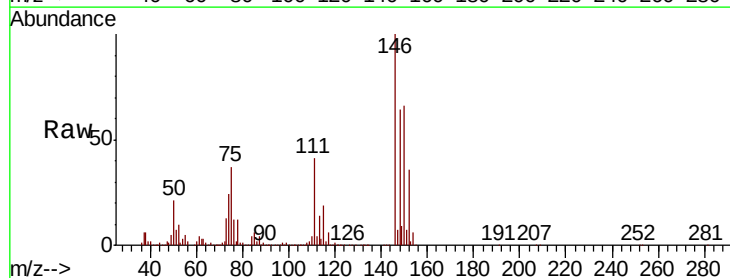
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

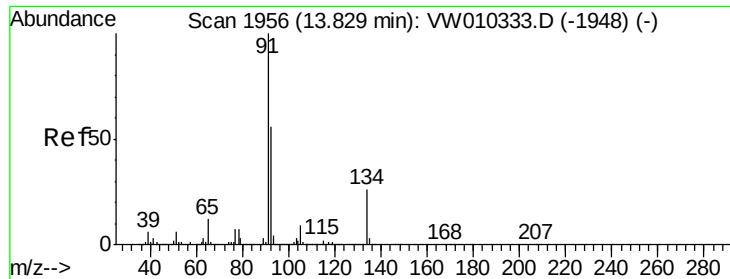
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	61.0
148	64.7	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.961 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.1	60.3
148	64.9	31.8	95.3





#89

n-Butylbenzene

Concen: 20.889 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010332.D

Acq: 09 May 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

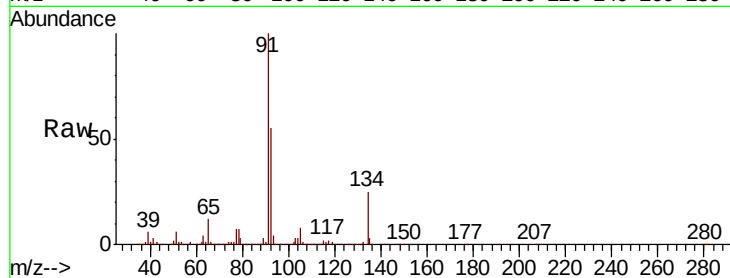
Tgt Ion: 91 Resp: 1305892

Ion Ratio Lower Upper

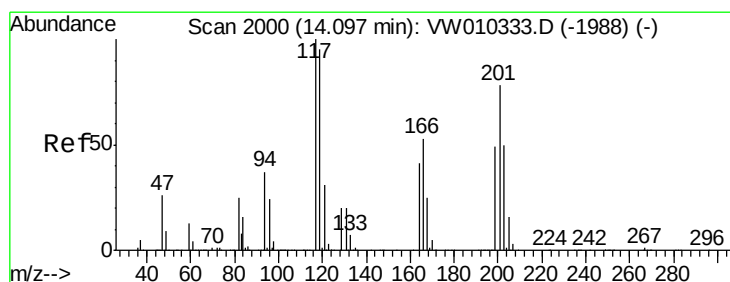
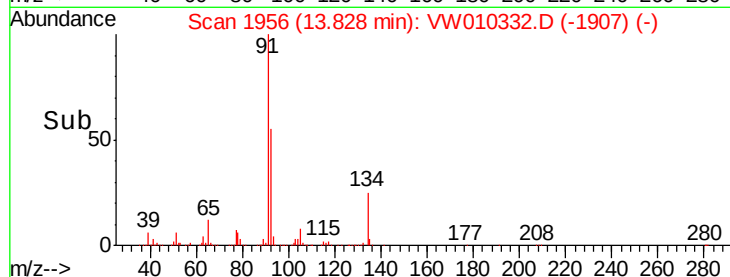
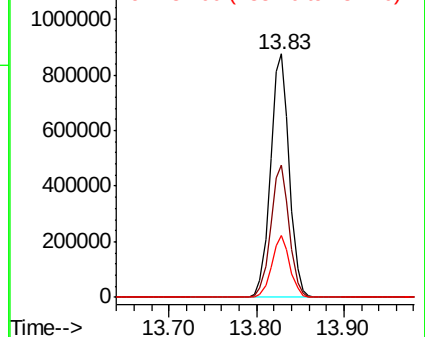
91 100

92 53.6 26.5 79.4

134 24.4 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.216 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010332.D

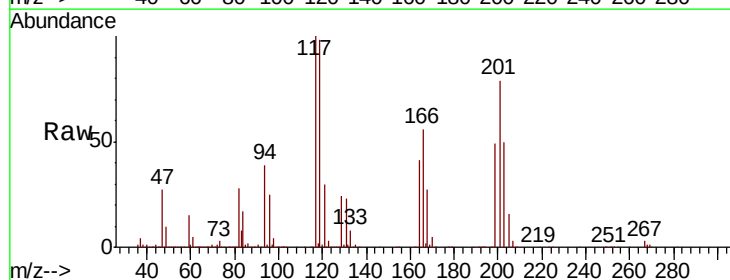
Acq: 09 May 2019 12:06

Tgt Ion: 117 Resp: 232236

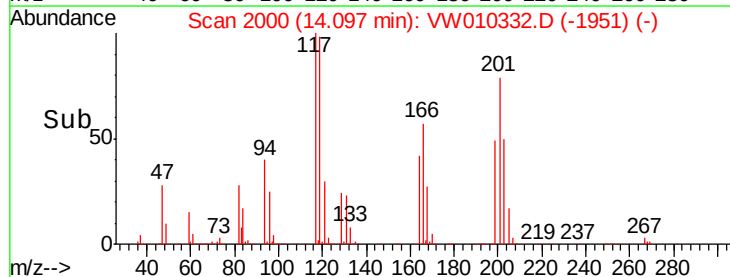
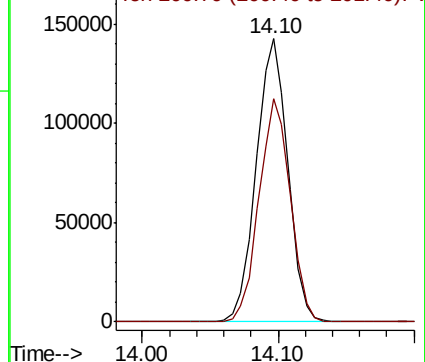
Ion Ratio Lower Upper

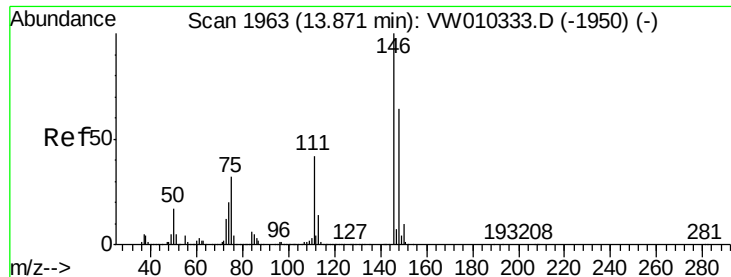
117 100

201 78.6 36.1 108.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

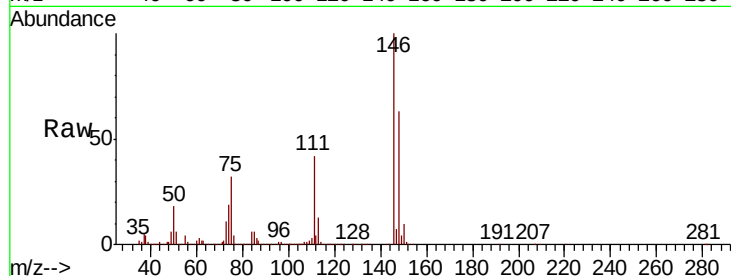




#91
 1,2-Dichlorobenzene
 Concen: 20.171 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.9	62.8
148	63.8	31.9	95.7

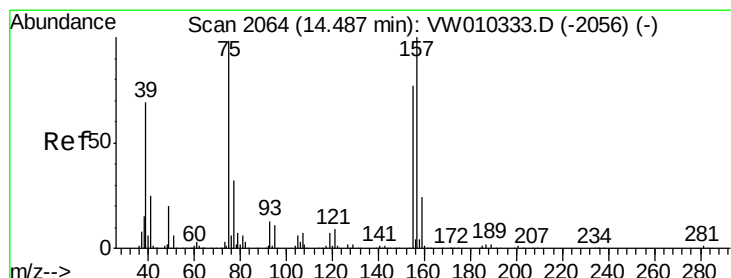
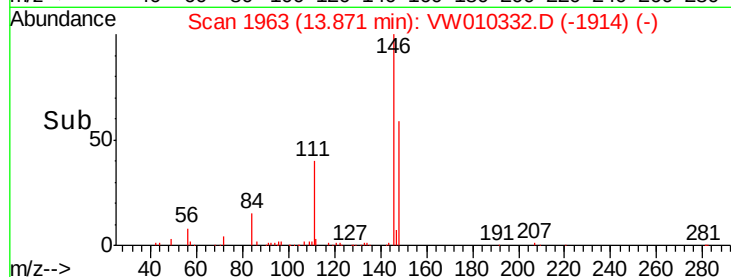
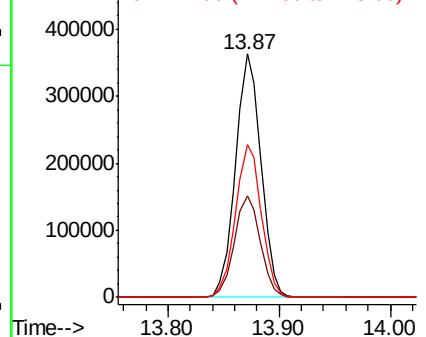


Abundance

Ion 145.90 (145.60 to 146.60): V

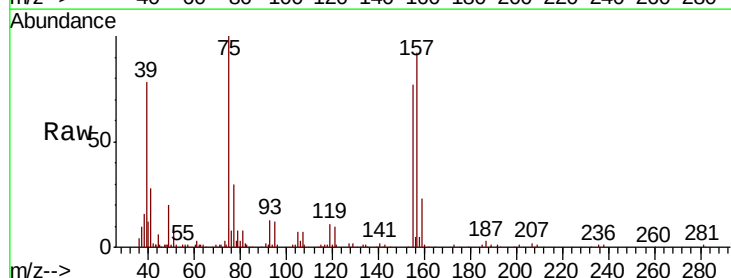
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.799 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.3	37.1	111.5
157	96.7	47.3	141.9

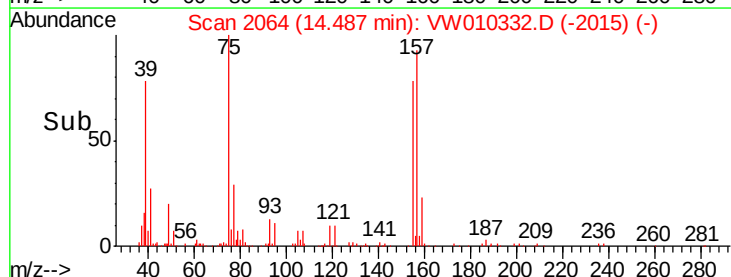
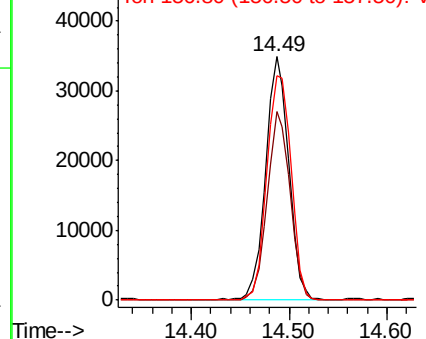


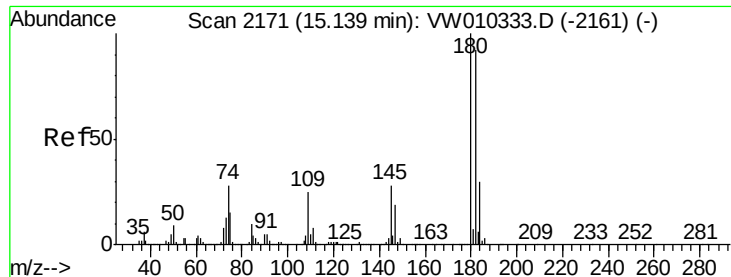
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

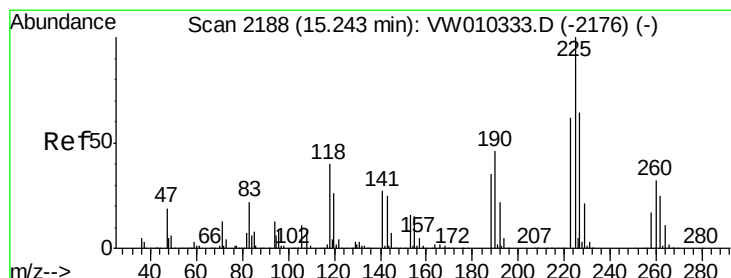
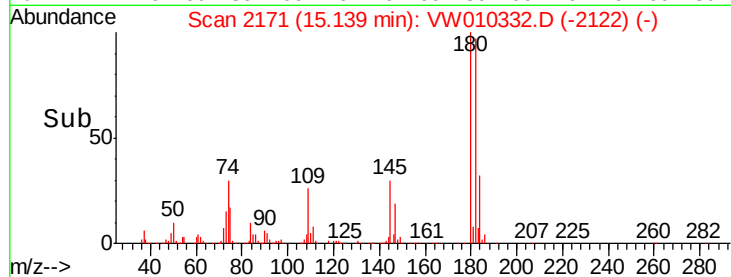
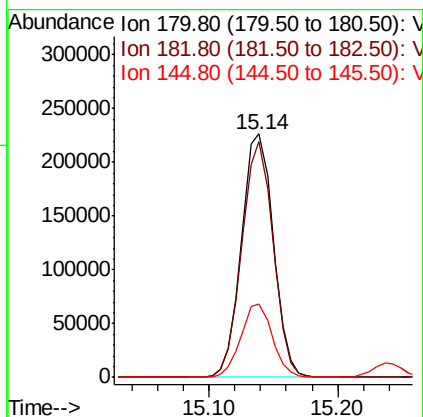
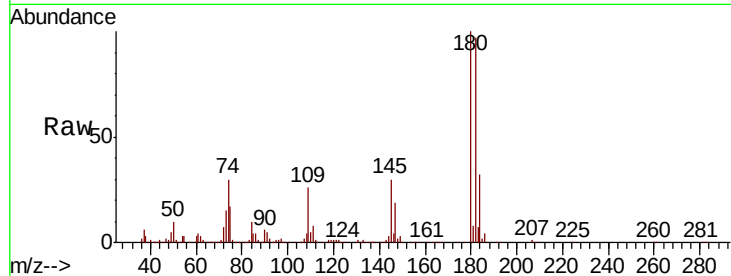




#93
 1,2,4-Trichlorobenzene
 Concen: 20.668 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

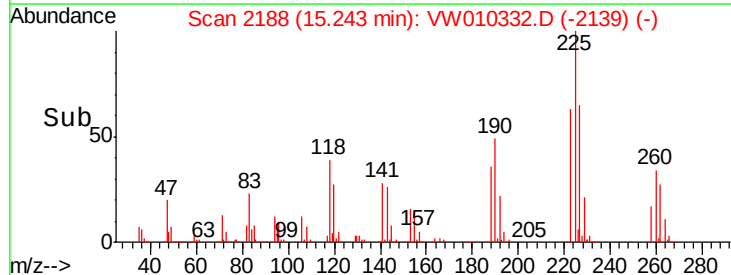
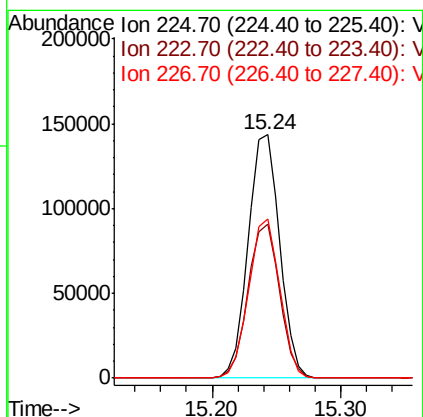
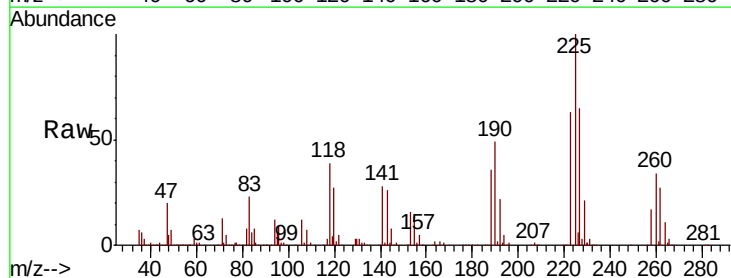
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

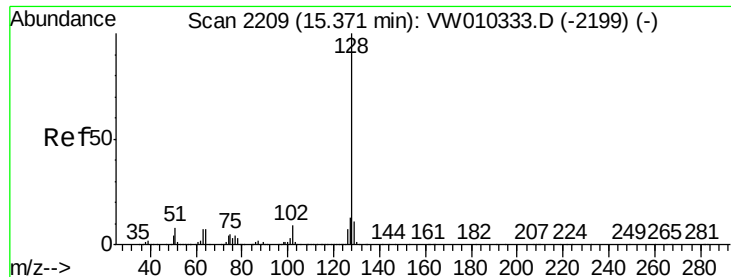
Tgt Ion:180 Resp: 387785
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.1 141.4
 145 29.8 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 21.233 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010332.D
 Acq: 09 May 2019 12:06

Tgt Ion:225 Resp: 241928
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.9 95.5
 227 64.5 31.8 95.3

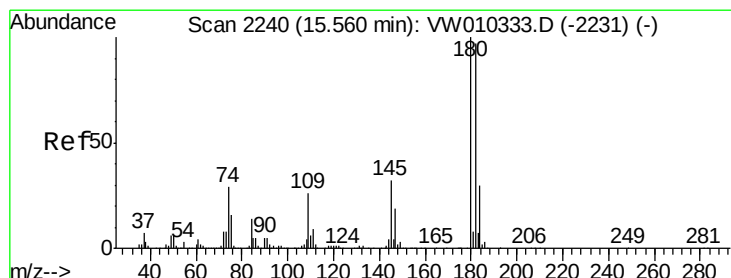
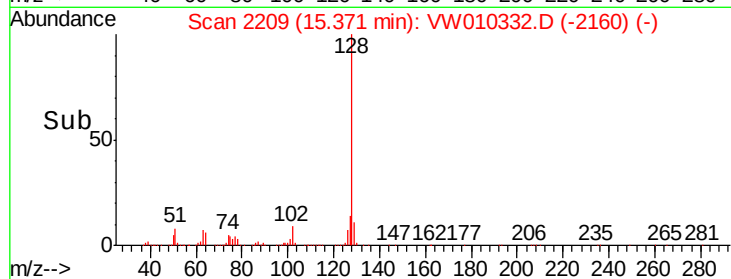
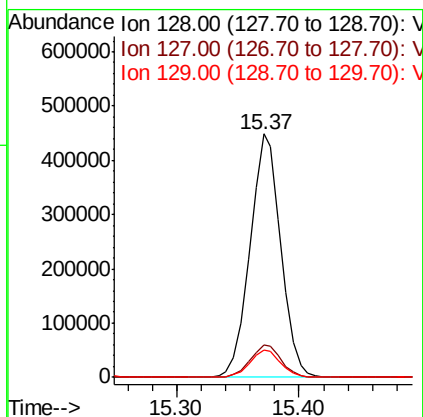
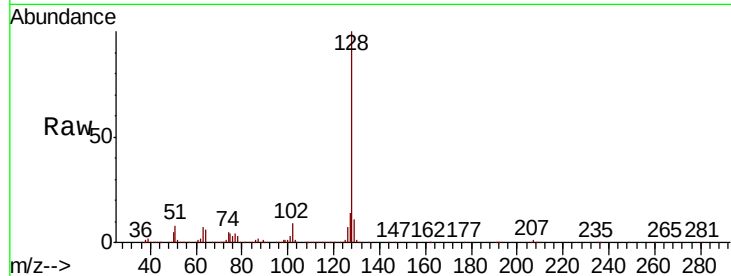




#95
Naphthalene
Concen: 23.208 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 781782
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.192 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010332.D
Acq: 09 May 2019 12:06

Tgt Ion:180 Resp: 361255
Ion Ratio Lower Upper
180 100
182 94.4 47.8 143.3
145 31.6 16.4 49.2

