

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
 Data File : VW010367.D
 Acq On : 10 May 2019 20:24
 Operator : SY/VA
 Sample : K2718-10MSD
 Misc : 4.52G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0002-01MSD

Quant Time: May 10 23:21:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	649990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	943794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	542985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105717	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	429767	62.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.38%	
35) Dibromofluoromethane	7.88	113	370242	67.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.08%	
50) Toluene-d8	10.32	98	1075191	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.62	95	171048	21.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	350358	70.101	ug/l	99
3) Chloromethane	2.21	50	449892	67.616	ug/l	98
4) Vinyl Chloride	2.37	62	502858	60.813	ug/l	99
5) Bromomethane	2.78	94	180425	37.838	ug/l	100
6) Chloroethane	2.92	64	318541	66.612	ug/l	91
7) Trichlorofluoromethane	3.25	101	179941	43.469	ug/l	95
8) Diethyl Ether	3.67	74	309470	85.040	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	418548	61.706	ug/l	98
10) Methyl Iodide	4.26	142	238001	24.778	ug/l	95
11) Tert butyl alcohol	5.18	59	196006	401.642	ug/l	100
12) 1,1-Dichloroethene	4.03	96	378767	53.440	ug/l	95
13) Acrolein	3.89	56	789	1.225	ug/l #	16
14) Allyl chloride	4.65	41	441464	41.726	ug/l	92
15) Acrylonitrile	5.36	53	343576	170.338	ug/l	97
16) Acetone	4.12	43	506732	281.290	ug/l	98
17) Carbon Disulfide	4.38	76	717631	33.477	ug/l	99
18) Methyl Acetate	4.67	43	496302	111.227	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	805423	95.458	ug/l	100
20) Methylene Chloride	4.92	84	491281	65.384	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	319210	41.840	ug/l	92
22) Diisopropyl ether	6.31	45	1829656	89.107	ug/l	93
23) Vinyl Acetate	6.31	43	942619	66.857	ug/l #	77
24) 1,1-Dichloroethane	6.21	63	1004122	72.635	ug/l	99
25) 2-Butanone	7.17	43	571803	207.485	ug/l	97
26) 2,2-Dichloropropane	7.17	77	300928	43.751	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	391858	49.944	ug/l	96
28) Bromochloromethane	7.51	49	314116	61.631	ug/l	98
29) Tetrahydrofuran	7.53	42	706579	396.395	ug/l	97
30) Chloroform	7.67	83	908597	70.229	ug/l	97
31) Cyclohexane	7.95	56	653772	46.187	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	688011	68.655	ug/l	100
36) 1,1-Dichloropropene	8.08	75	445154	43.501	ug/l	100
37) Ethyl Acetate	7.17	43	571803	104.945	ug/l #	1
38) Carbon Tetrachloride	8.06	117	580236	66.146	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	410467	32.789	ug/l	99
40) Benzene	8.32	78	1818902	64.902	ug/l	100
41) Methacrylonitrile	7.53	41	479767	157.011	ug/l #	49
42) 1,2-Dichloroethane	8.40	62	572838	71.409	ug/l	97
44) Trichloroethene	9.09	130	290734	41.438	ug/l	95
45) 1,2-Dichloropropane	9.37	63	545021	78.237	ug/l	96
46) Dibromomethane	9.46	93	219215	60.913	ug/l	99
47) Bromodichloromethane	9.64	83	602934	69.842	ug/l	100
48) Methyl methacrylate	9.43	41	148242	34.696	ug/l	91
49) 1,4-Dioxane	9.45	88	118967	1895.562	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	1117705	215.711	ug/l	95
52) Toluene	10.39	92	858890	50.141	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	264011	30.192	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	331321	31.993	ug/l	89
55) 1,1,2-Trichloroethane	10.79	97	356902	69.823	ug/l	99
57) 1,3-Dichloropropane	10.93	76	554793	60.713	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	668935	206.985	ug/l	99
59) 2-Hexanone	10.97	43	249486	68.101	ug/l	95
60) Dibromochloromethane	11.13	129	333010	60.544	ug/l	100
61) 1,2-Dibromoethane	11.23	107	224054	45.661	ug/l	98
64) Tetrachloroethene	10.86	164	230893	60.840	ug/l	98
65) Chlorobenzene	11.66	112	563944	50.173	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	408599	107.554	ug/l	98
67) Ethyl Benzene	11.73	91	1162327	56.212	ug/l	100
68) m/p-Xylenes	11.84	106	846114	110.134	ug/l	100
69) o-Xylene	12.17	106	456694	65.714	ug/l	99
70) Styrene	12.18	104	462224	38.171	ug/l	94
71) Bromoform	12.35	173	161313	74.280	ug/l #	99
73) Isopropylbenzene	12.46	105	995674	129.213	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	392053	230.912	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	359762	291.879	ug/l #	100
77) Bromobenzene	12.75	156	171093	98.334	ug/l	82
78) n-propylbenzene	12.80	91	712579	74.873	ug/l	99
79) 2-Chlorotoluene	12.90	91	528499	97.511	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	748244	115.180	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	33894	62.100	ug/l	99
82) 4-Chlorotoluene	12.99	91	388357	68.388	ug/l	98
83) tert-Butylbenzene	13.21	119	672831	124.173	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	662109	102.566	ug/l	99
85) sec-Butylbenzene	13.38	105	602357	75.304	ug/l	99
86) p-Isopropyltoluene	13.50	119	466241	65.648	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	189435	54.524	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	172566	50.050	ug/l	100
89) n-Butylbenzene	13.83	91	183070	25.708	ug/l	99
90) Hexachloroethane	14.10	117	124898	94.816	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	207560	67.488	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	48133	157.430	ug/l	97
93) 1,2,4-Trichlorobenzene	15.14	180	39083	18.620	ug/l	97
94) Hexachlorobutadiene	15.24	225	38328	28.483	ug/l	98
95) Naphthalene	15.37	128	134337	29.595	ug/l	98

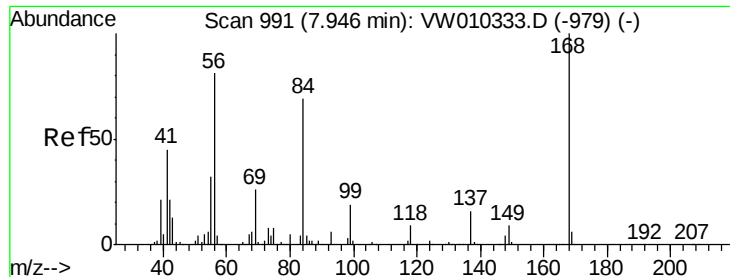
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.56	180	43735	23.064	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

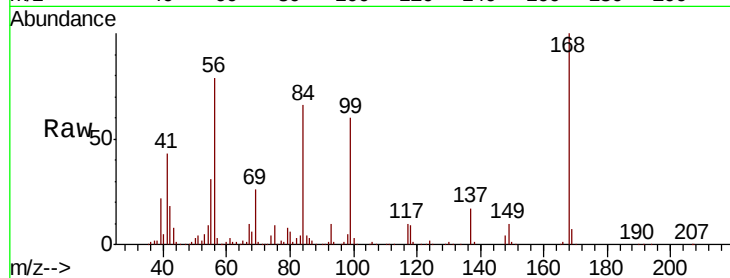
P026-SS006-0002-01MSD

Tgt Ion:168 Resp: 649990

Ion Ratio Lower Upper

168 100

99 59.9 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

300000

200000

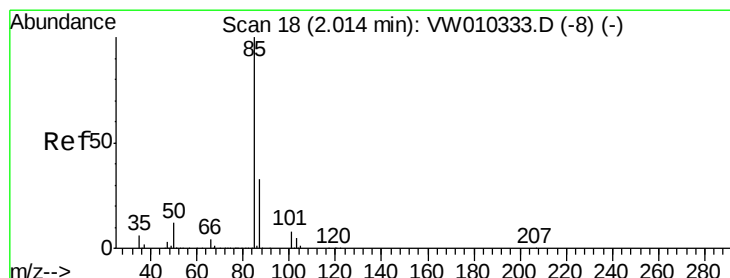
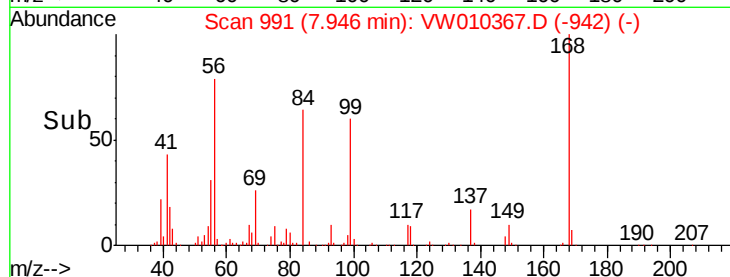
100000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 70.101 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010367.D

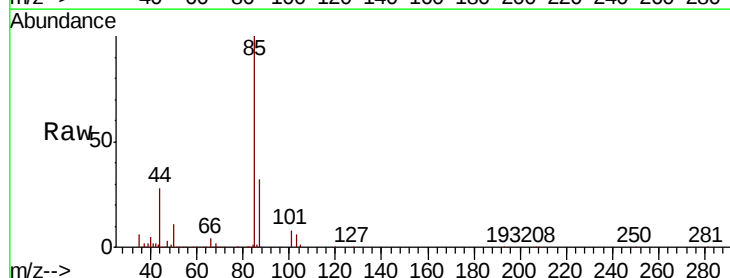
Acq: 10 May 2019 20:24

Tgt Ion: 85 Resp: 350358

Ion Ratio Lower Upper

85 100

87 32.2 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

100000

80000

60000

40000

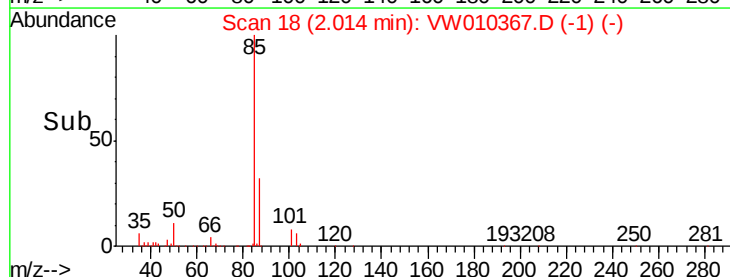
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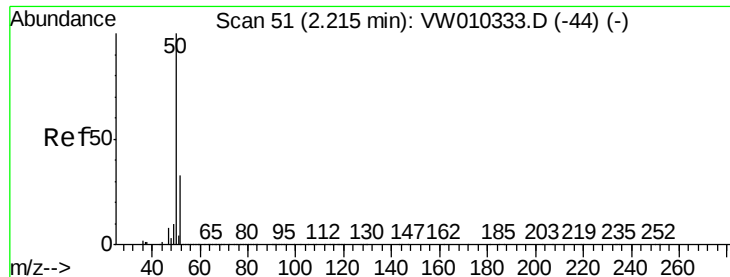
0

2.00

2.20

Time-->





#3

Chloromethane

Concen: 67.616 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

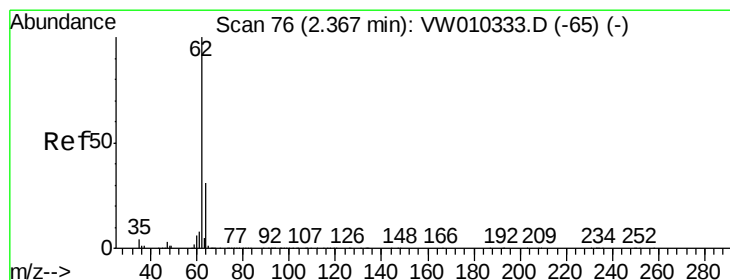
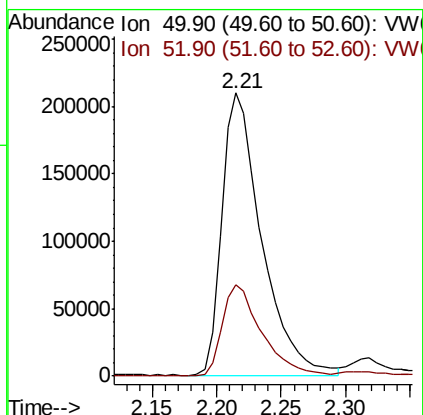
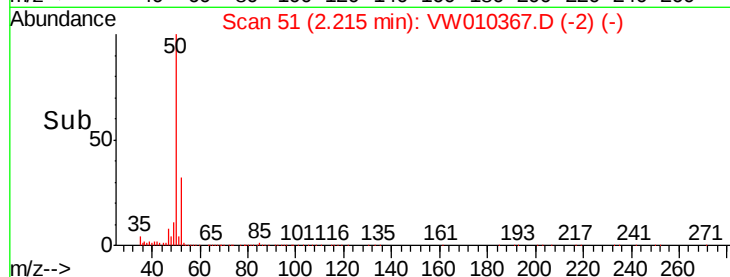
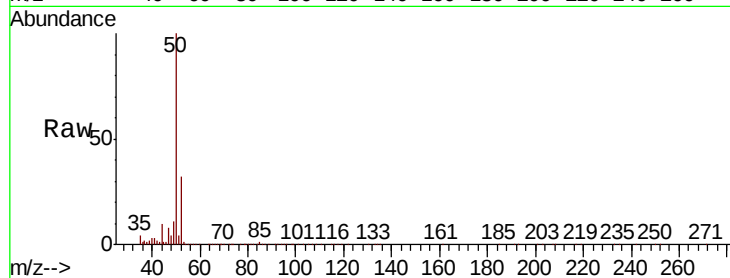
P026-SS006-0002-01MSD

Tgt Ion: 50 Resp: 449892

Ion Ratio Lower Upper

50 100

52 32.5 25.0 37.6



#4

Vinyl Chloride

Concen: 60.813 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010367.D

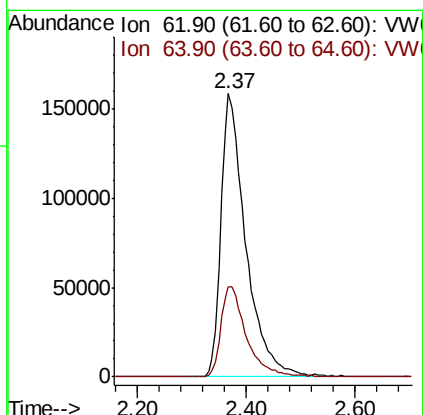
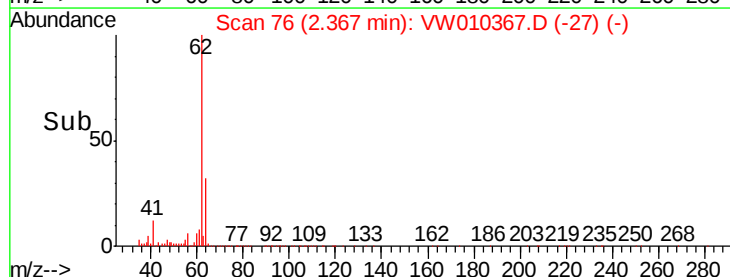
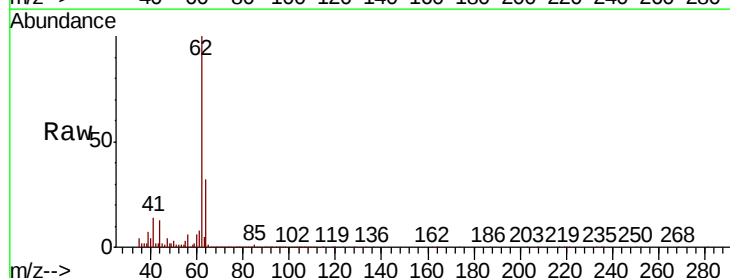
Acq: 10 May 2019 20:24

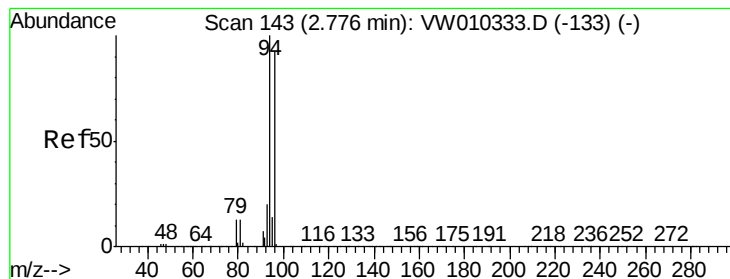
Tgt Ion: 62 Resp: 502858

Ion Ratio Lower Upper

62 100

64 31.7 25.9 38.9





#5

Bromomethane

Concen: 37.838 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

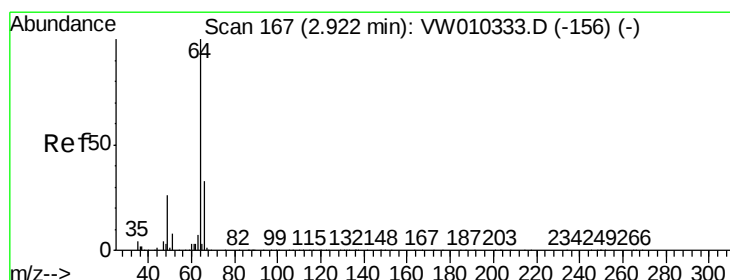
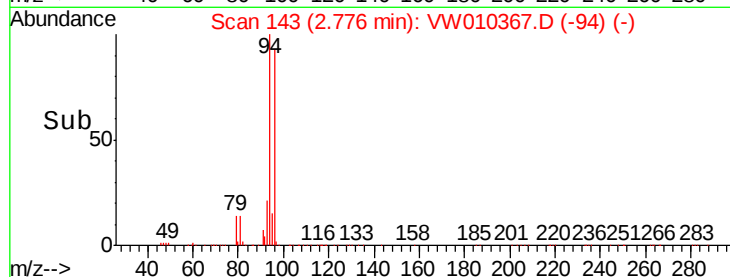
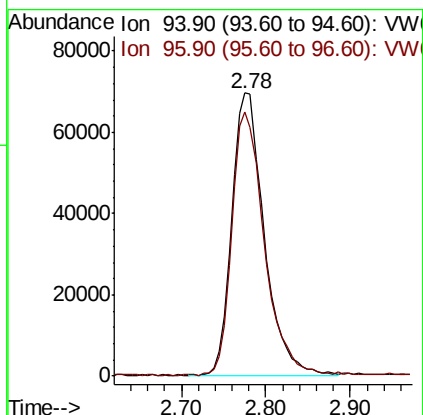
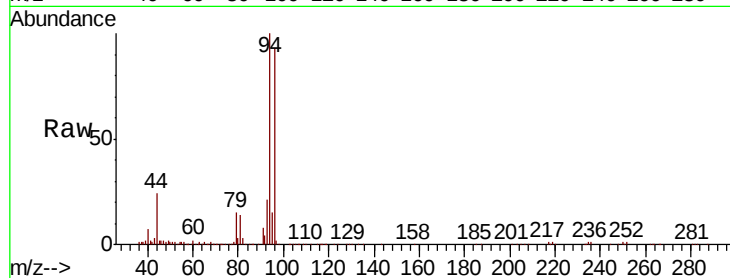
P026-SS006-0002-01MSD

Tgt Ion: 94 Resp: 180425

Ion Ratio Lower Upper

94 100

96 93.0 74.2 111.2



#6

Chloroethane

Concen: 66.612 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010367.D

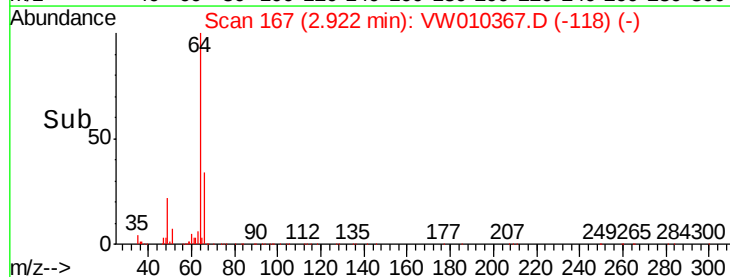
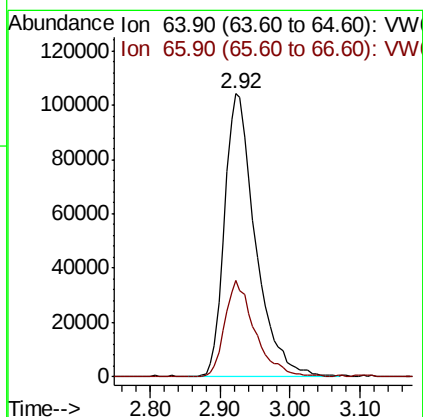
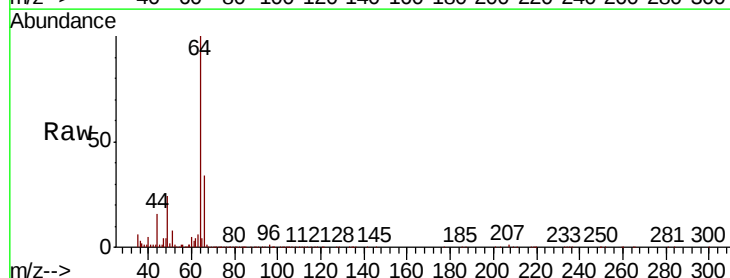
Acq: 10 May 2019 20:24

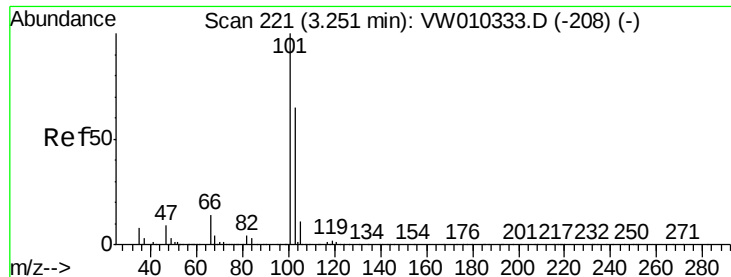
Tgt Ion: 64 Resp: 318541

Ion Ratio Lower Upper

64 100

66 33.9 23.4 35.0



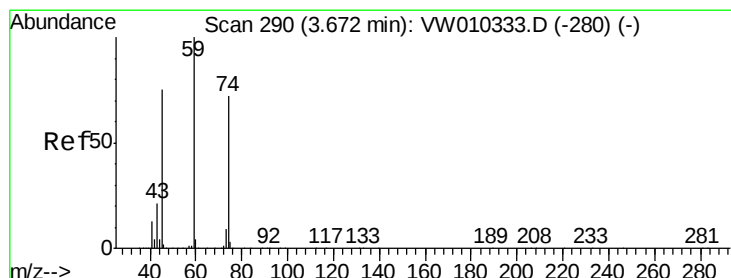
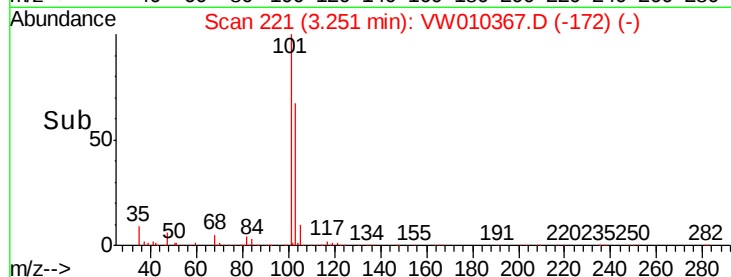
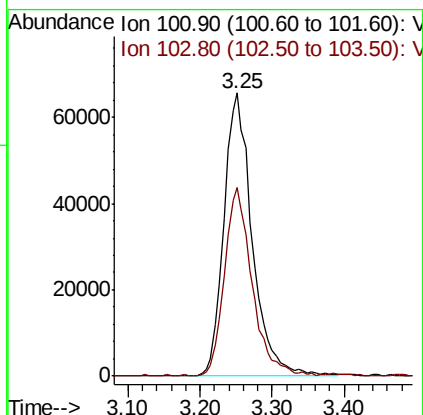
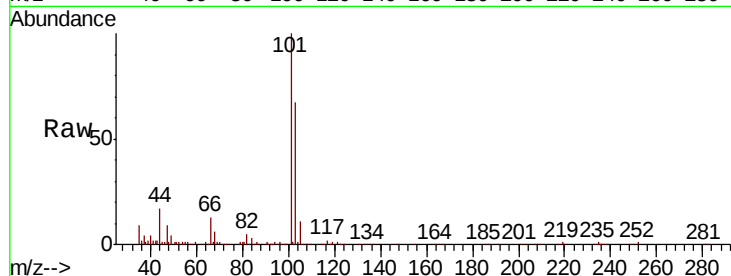


#7

Trichlorofluoromethane
Concen: 43.469 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
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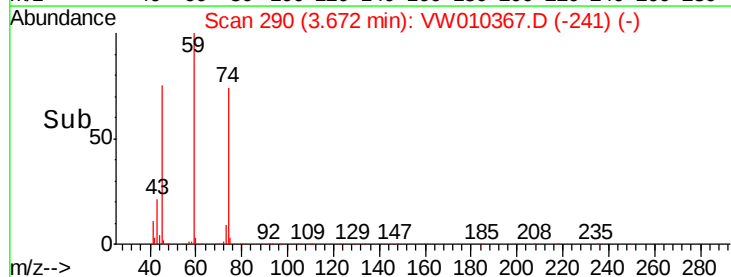
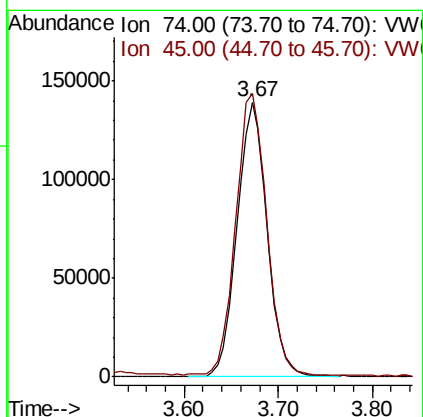
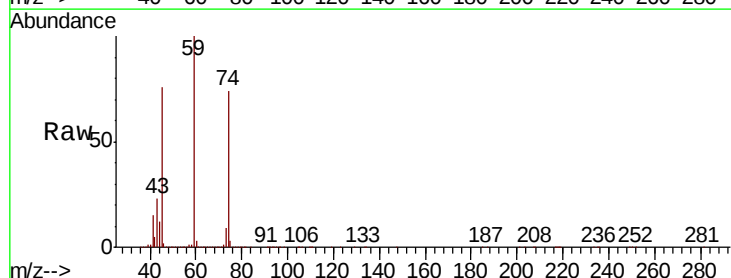
Tgt Ion: 101 Resp: 179941
Ion Ratio Lower Upper
101 100
103 66.4 49.8 74.6

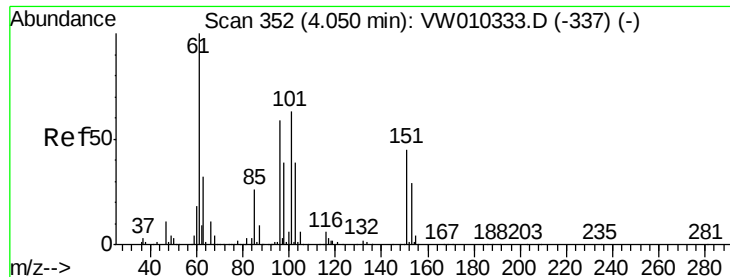


#8

Diethyl Ether
Concen: 85.040 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

Tgt Ion: 74 Resp: 309470
Ion Ratio Lower Upper
74 100
45 105.2 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 61.706 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01MSD

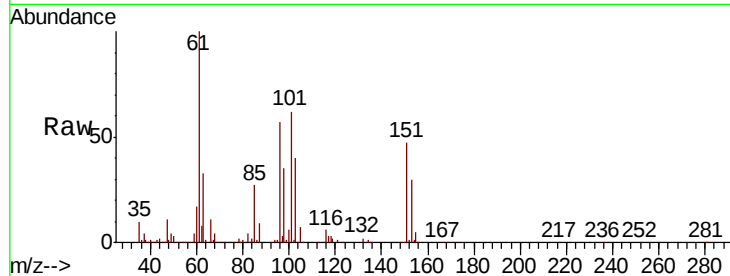
Tgt Ion:101 Resp: 418548

Ion Ratio Lower Upper

101 100

85 44.3 36.3 54.5

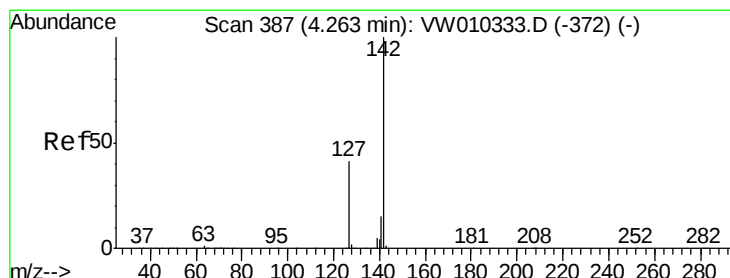
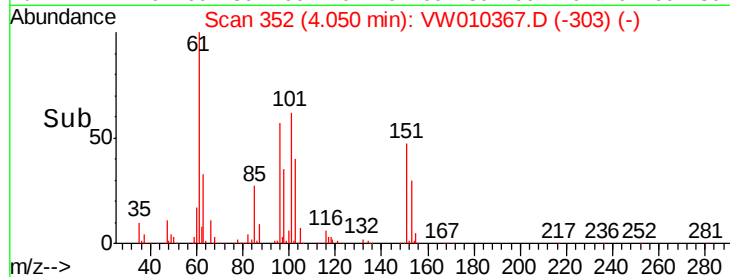
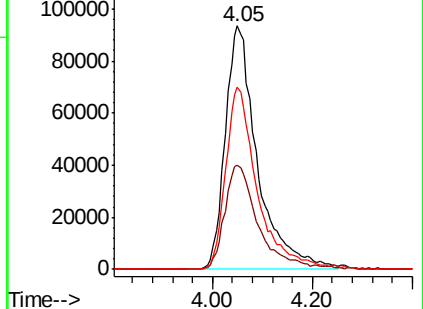
151 73.0 60.2 90.2



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: 24.778 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW010367.D

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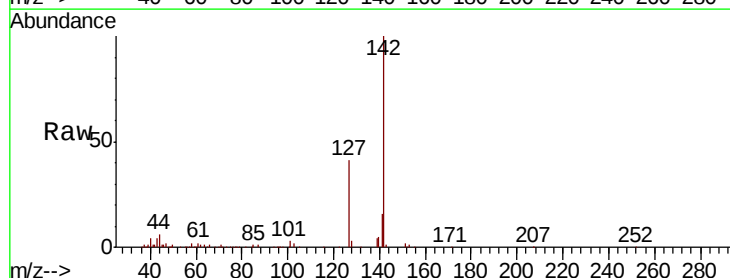
Tgt Ion:142 Resp: 238001

Ion Ratio Lower Upper

142 100

127 43.6 38.1 57.1

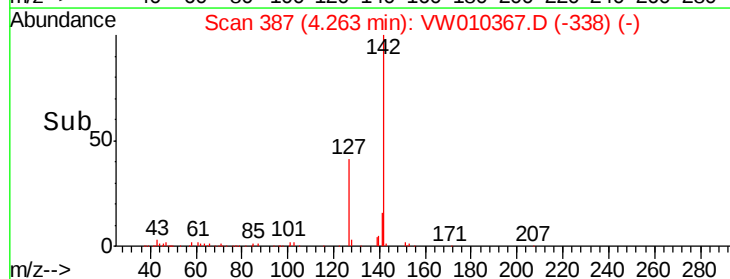
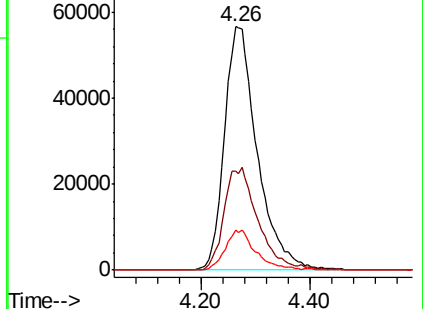
141 15.2 12.2 18.2

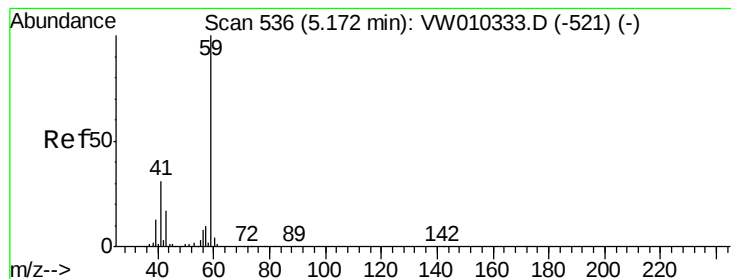


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



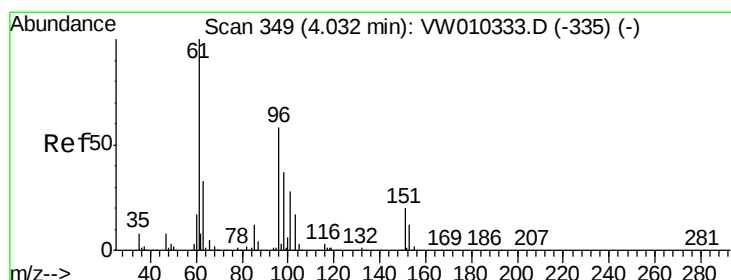
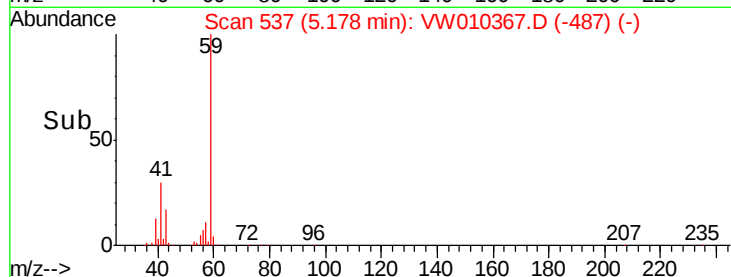
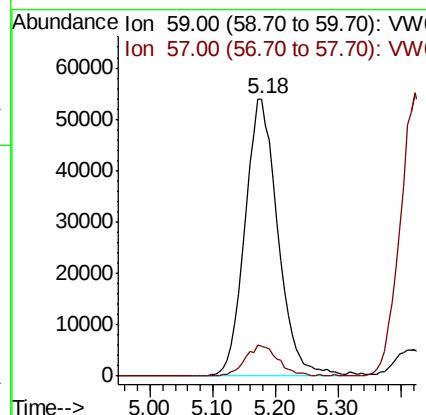
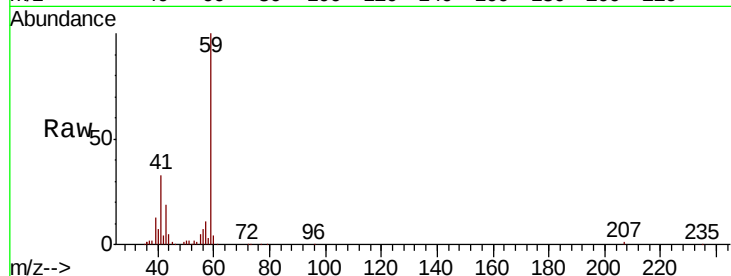


#11

Tert butyl alcohol
 Concen: 401.642 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0002-01MSD

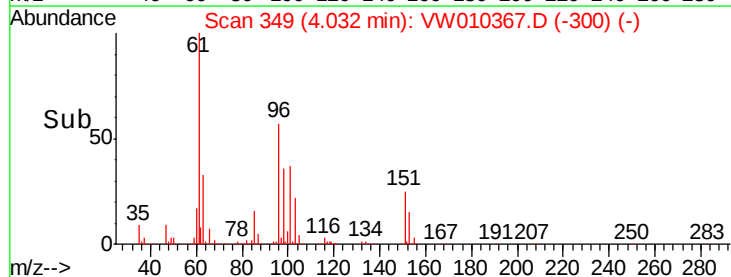
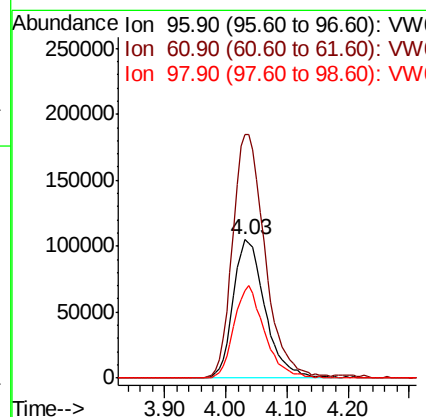
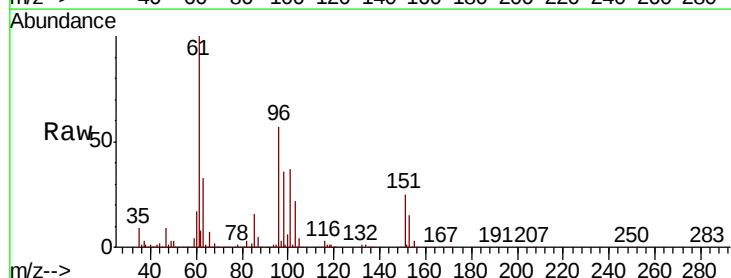
Tgt Ion: 59 Resp: 196006
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.0 13.4

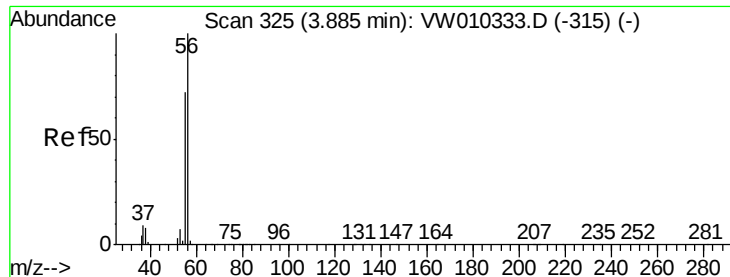


#12

1,1-Dichloroethene
 Concen: 53.440 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

Tgt Ion: 96 Resp: 378767
 Ion Ratio Lower Upper
 96 100
 61 175.8 147.4 221.2
 98 63.5 49.7 74.5

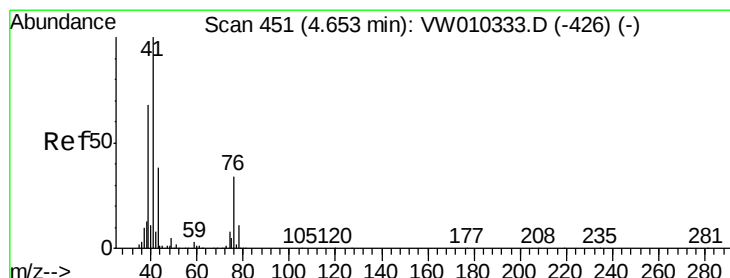
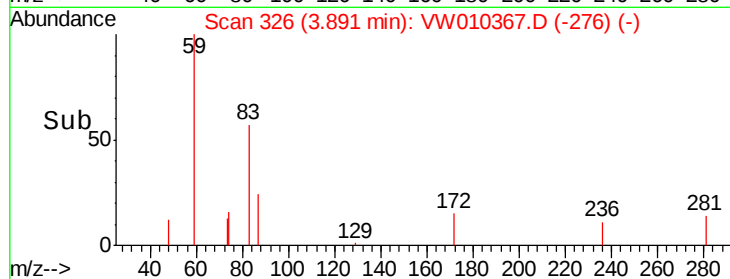
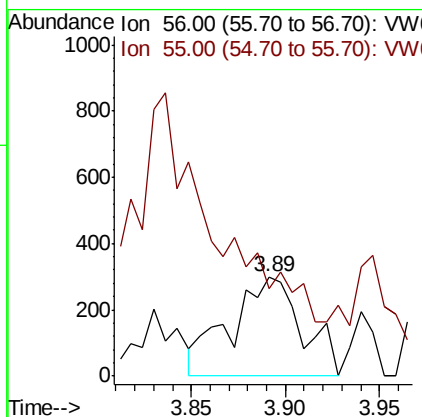
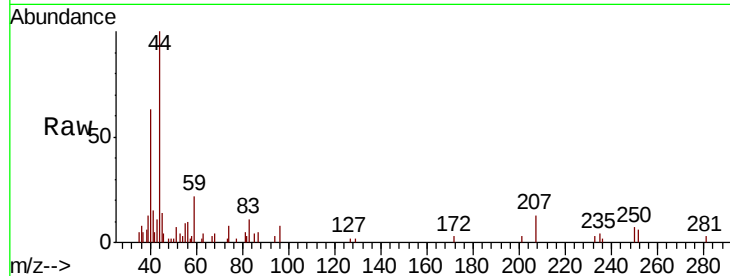




#13
Acrolein
Concen: 1.225 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

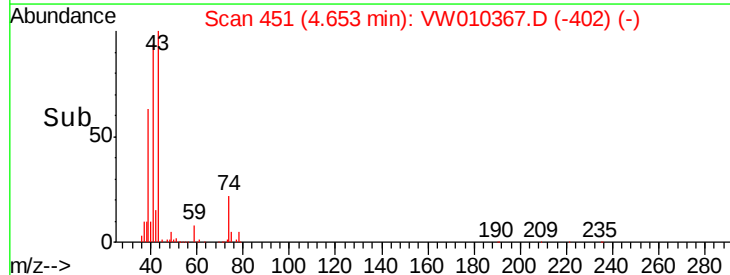
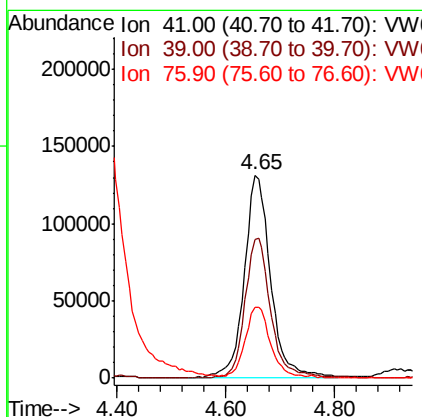
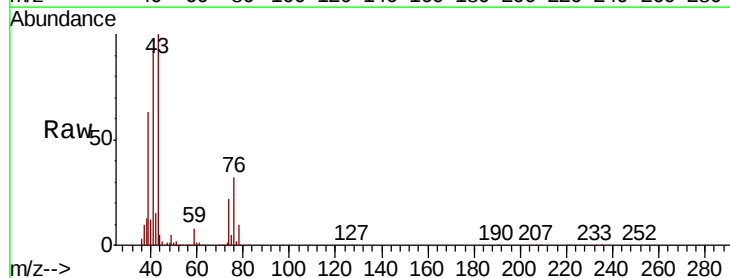
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0002-01MSD

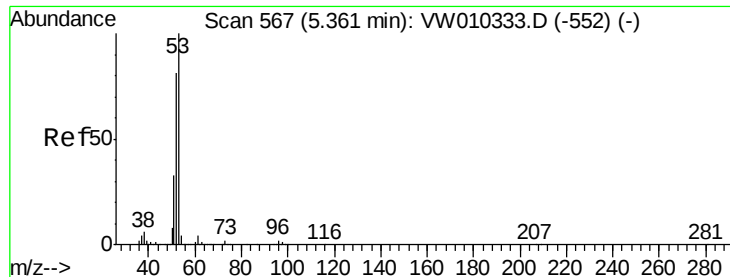
Tgt Ion: 56 Resp: 789
Ion Ratio Lower Upper
56 100
55 0.0 54.2 81.2#



#14
Allyl chloride
Concen: 41.726 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

Tgt Ion: 41 Resp: 441464
Ion Ratio Lower Upper
41 100
39 67.6 60.2 90.4
76 34.0 25.0 37.6





#15

Acrylonitrile

Concen: 170.338 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01MSD

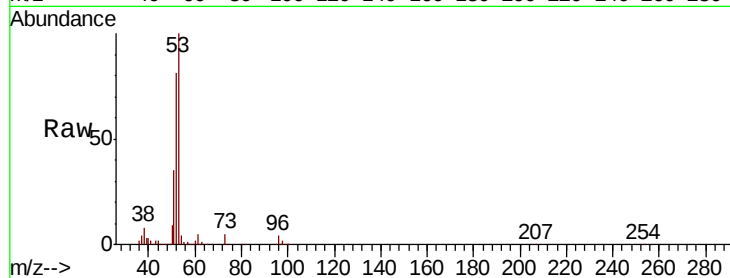
Tgt Ion: 53 Resp: 343576

Ion Ratio Lower Upper

53 100

52 79.4 66.6 100.0

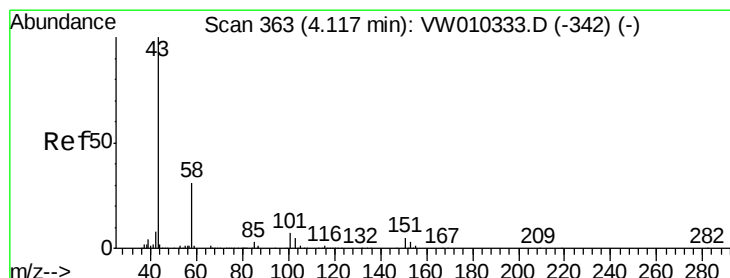
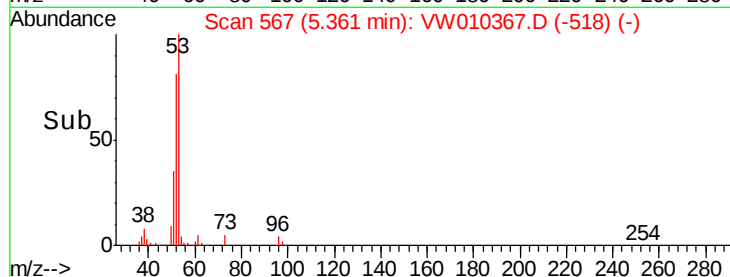
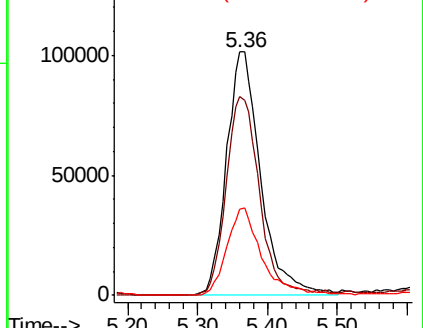
51 36.9 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 281.290 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010367.D

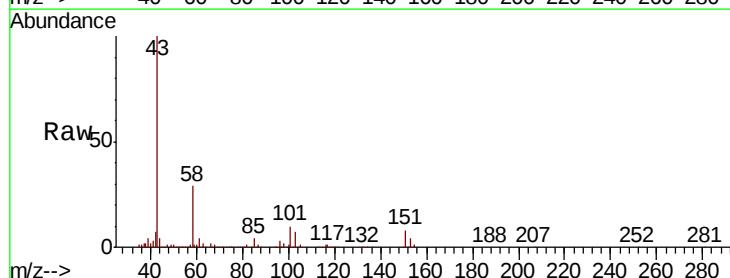
Acq: 10 May 2019 20:24

Tgt Ion: 43 Resp: 506732

Ion Ratio Lower Upper

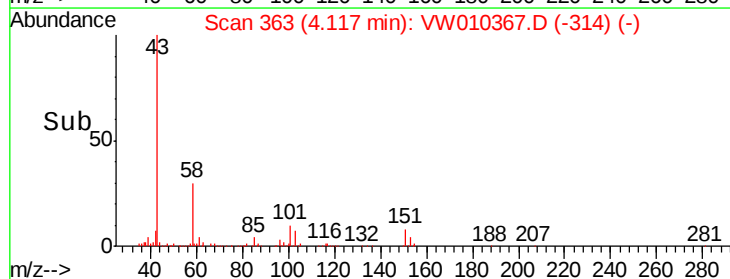
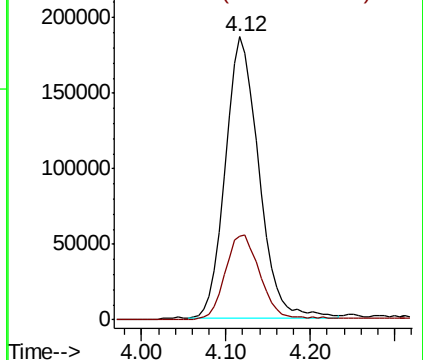
43 100

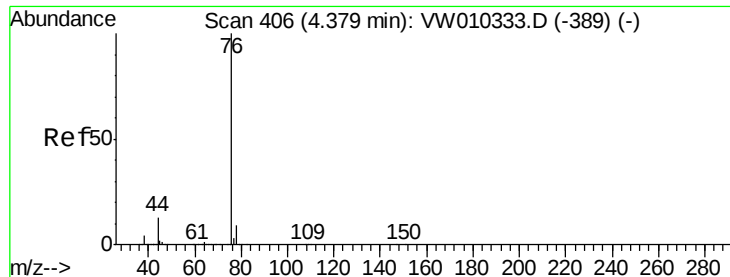
58 29.4 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

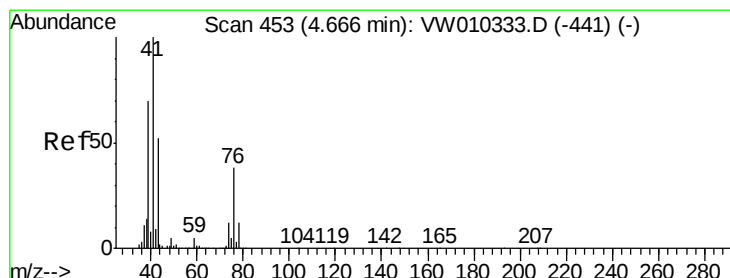
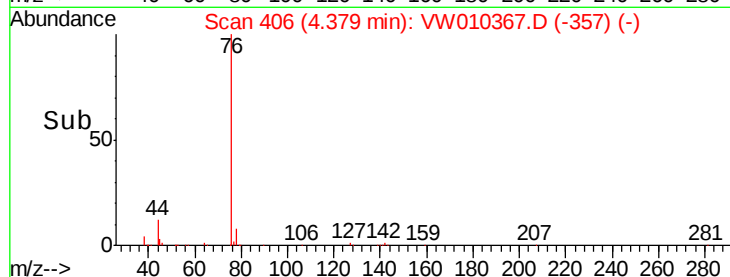
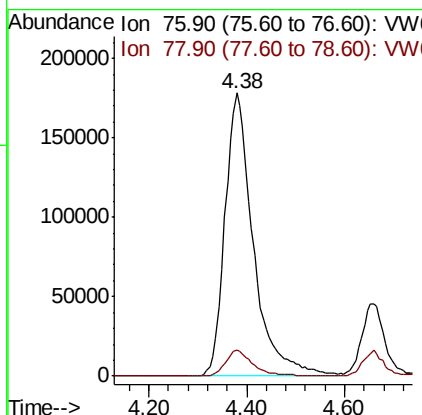
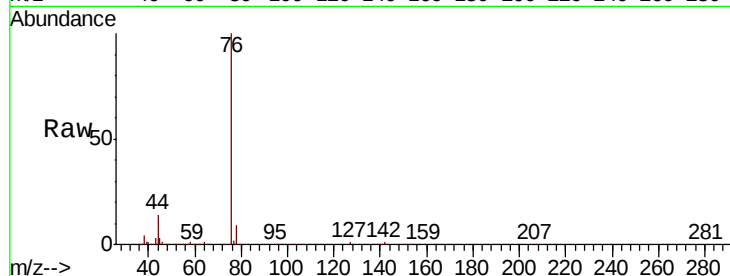




#17
Carbon Disulfide
Concen: 33.477 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

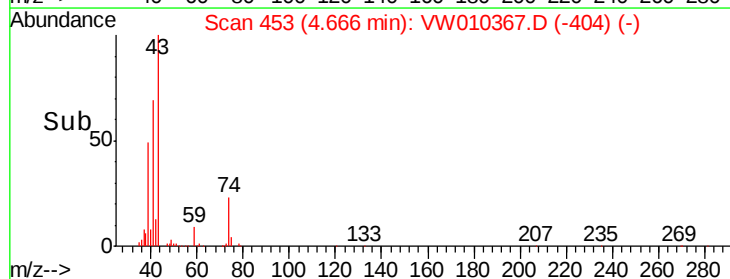
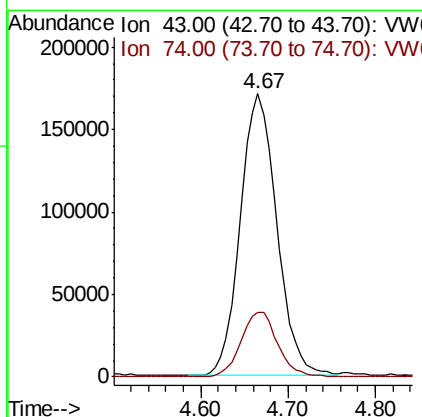
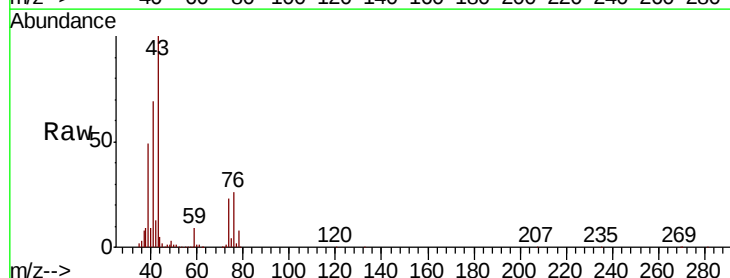
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0002-01MSD

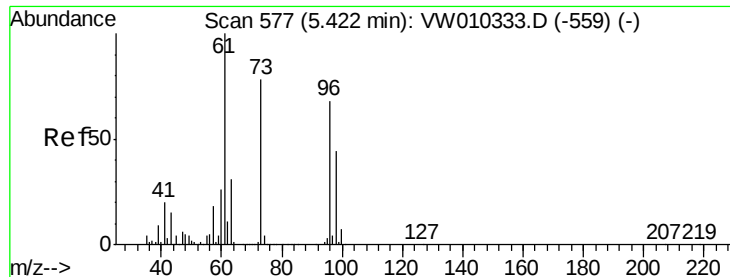
Tgt Ion: 76 Resp: 717631
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 111.227 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

Tgt Ion: 43 Resp: 496302
Ion Ratio Lower Upper
43 100
74 23.0 16.8 25.2

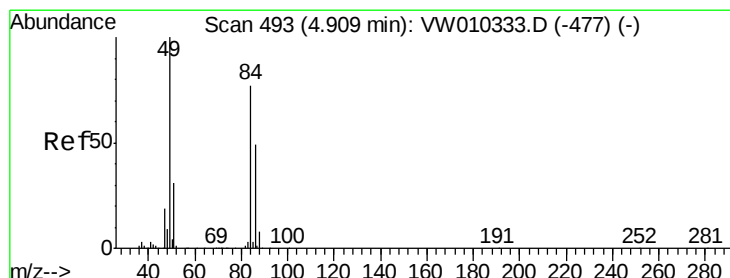
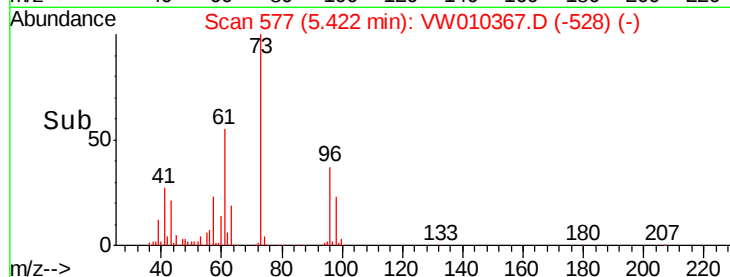
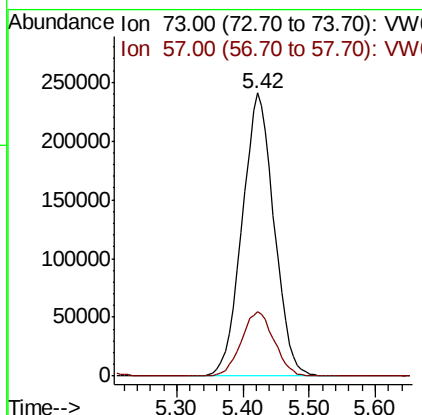
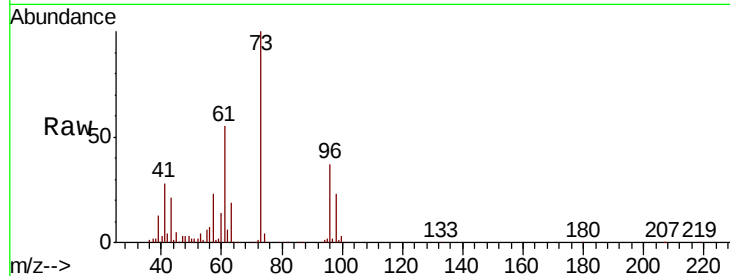




#19
Methyl tert-butyl Ether
Concen: 95.458 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

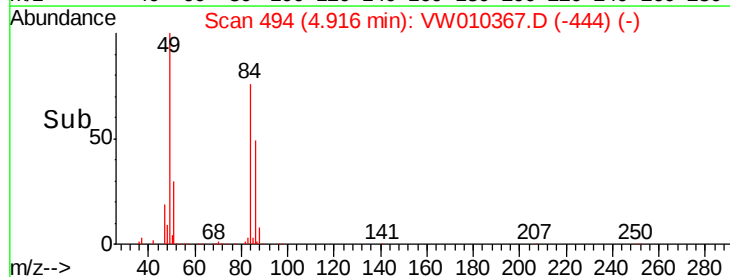
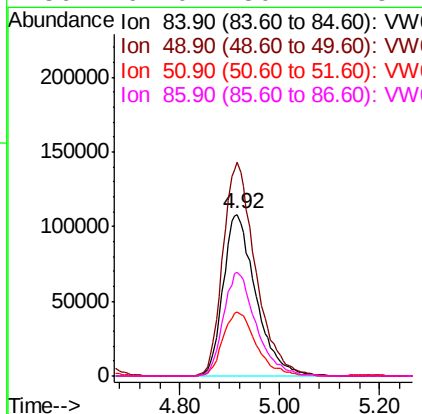
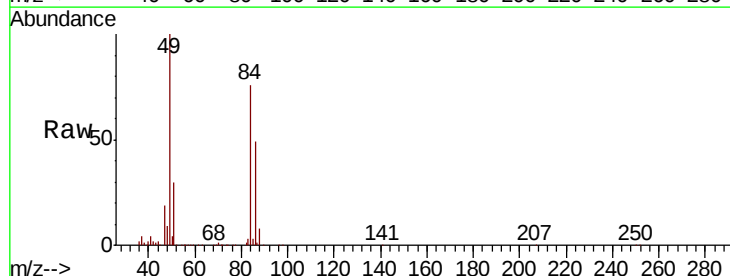
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0002-01MSD

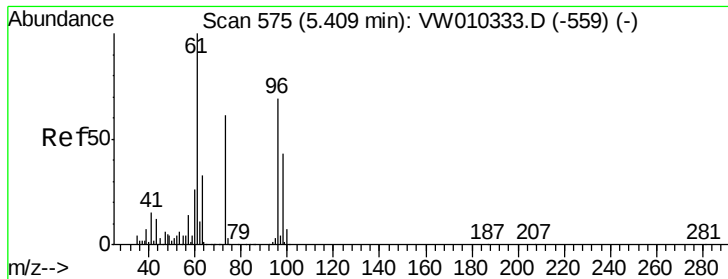
Tgt Ion: 73 Resp: 805423
Ion Ratio Lower Upper
73 100
57 22.9 18.5 27.7



#20
Methylene Chloride
Concen: 65.384 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

Tgt Ion: 84 Resp: 491281
Ion Ratio Lower Upper
84 100
49 131.9 112.3 168.5
51 39.7 33.9 50.9
86 64.0 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 41.840 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01MSD

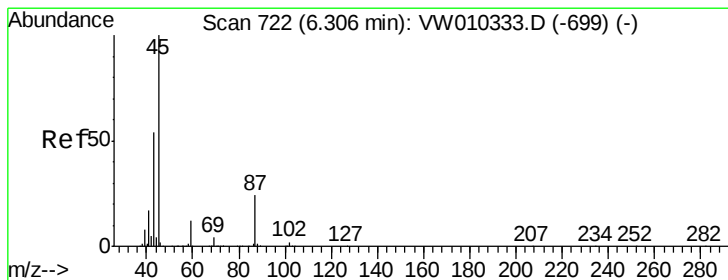
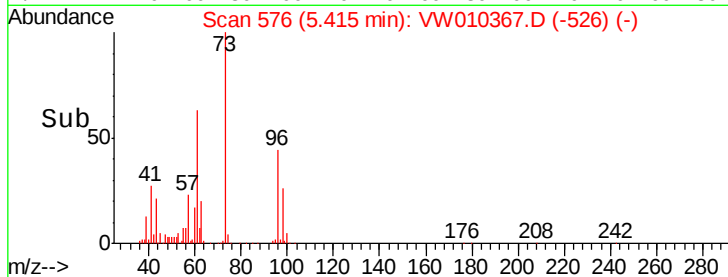
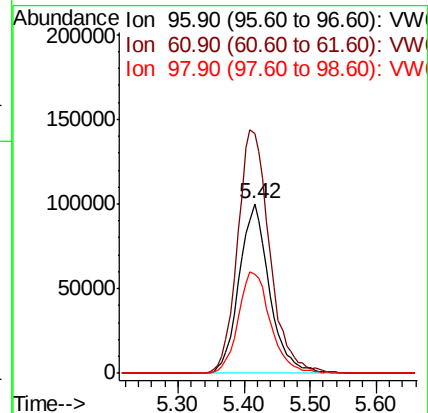
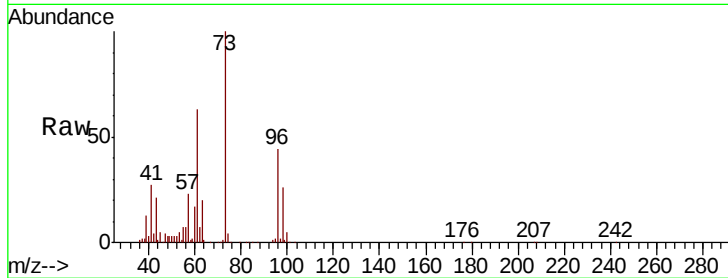
Tgt Ion: 96 Resp: 319210

Ion Ratio Lower Upper

96 100

61 141.2 122.3 183.5

98 58.1 50.5 75.7



#22

Diisopropyl ether

Concen: 89.107 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Tgt Ion: 45 Resp: 1829656

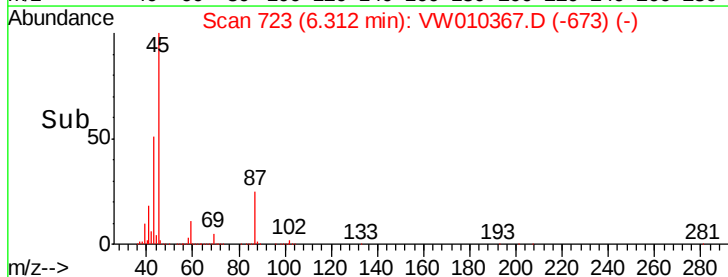
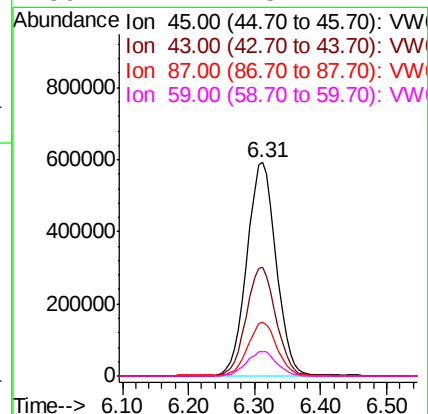
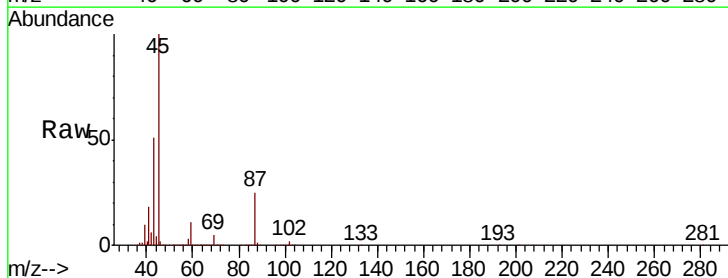
Ion Ratio Lower Upper

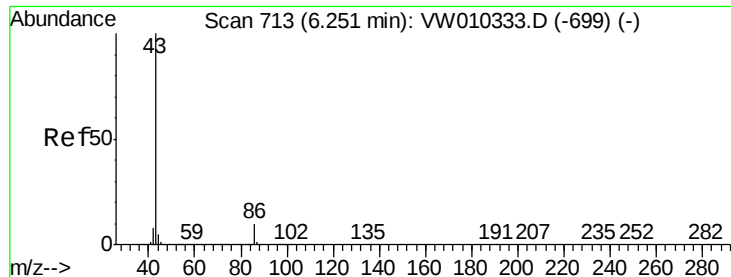
45 100

43 51.0 46.1 69.1

87 24.9 18.3 27.5

59 11.4 8.2 12.4





#23

Vinyl Acetate

Concen: 66.857 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.06 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

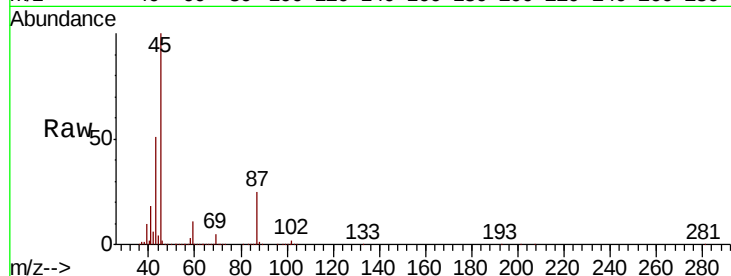
P026-SS006-0002-01MSD

Tgt Ion: 43 Resp: 942619

Ion Ratio Lower Upper

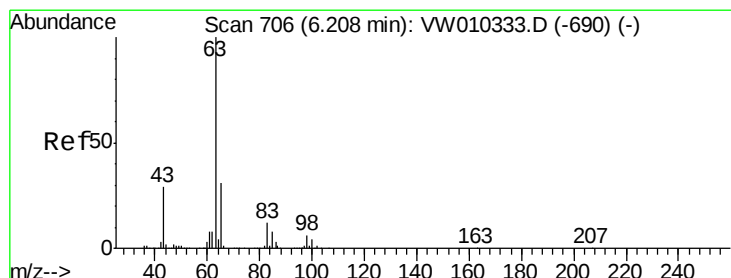
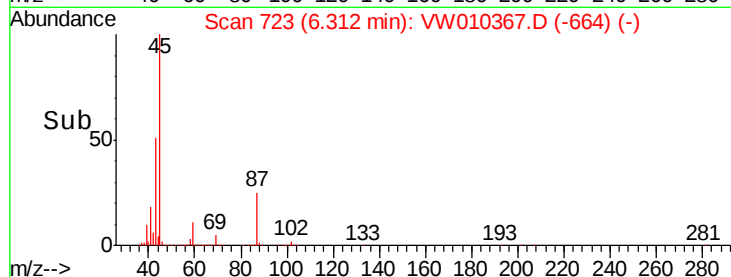
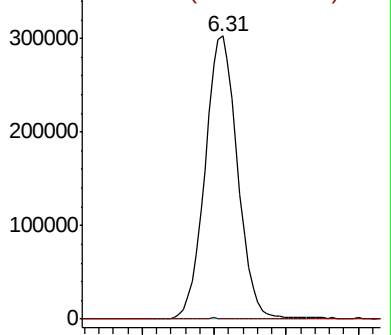
43 100

86 0.4 7.0 10.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 72.635 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

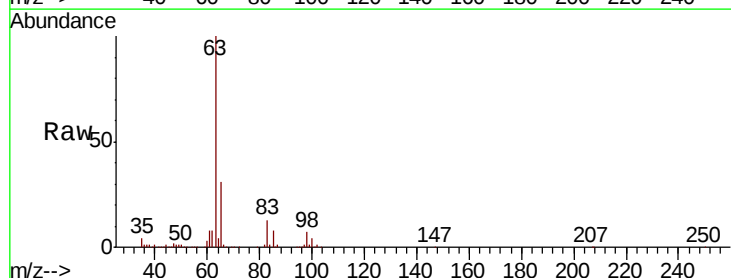
Tgt Ion: 63 Resp: 1004122

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

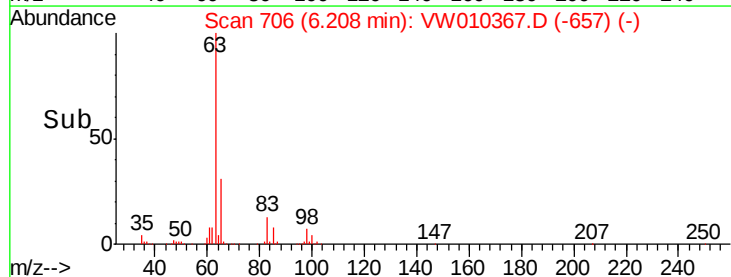
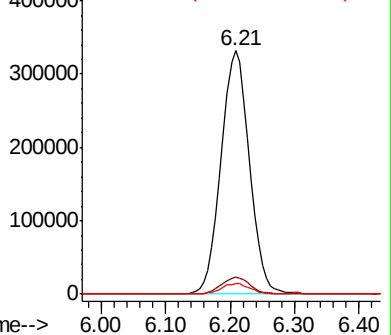
100 4.3 2.0 6.0

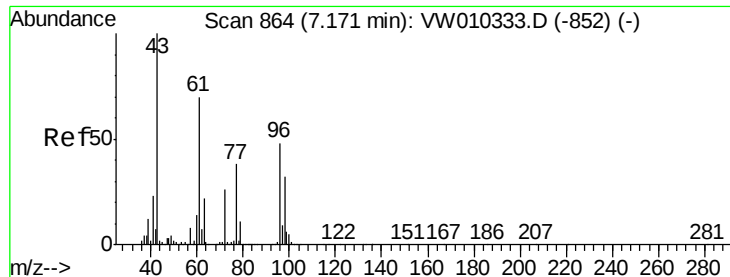


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 207.485 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

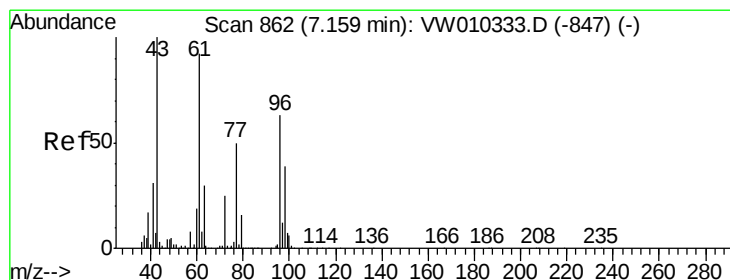
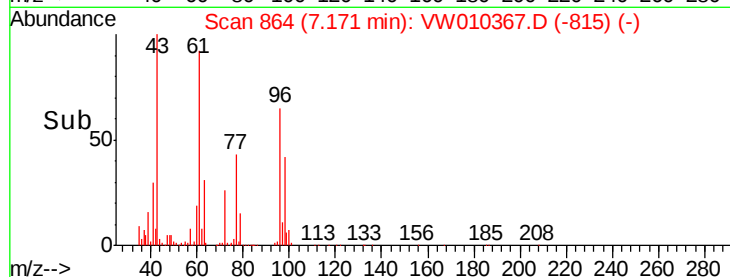
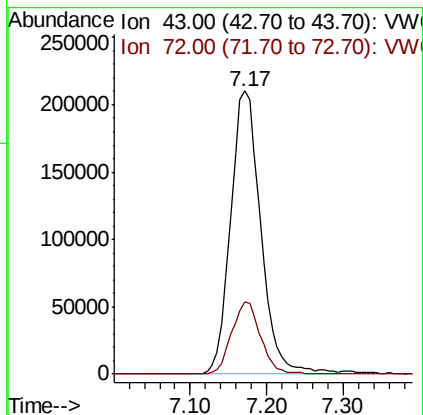
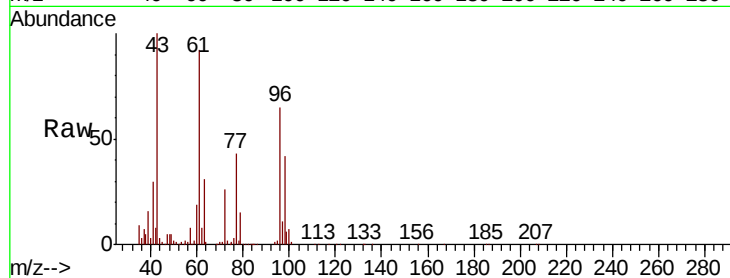
P026-SS006-0002-01MSD

Tgt Ion: 43 Resp: 571803

Ion Ratio Lower Upper

43 100

72 25.6 19.1 28.7



#26

2,2-Dichloropropane

Concen: 43.751 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW010367.D

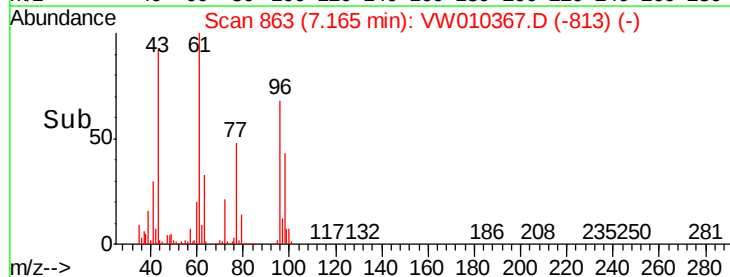
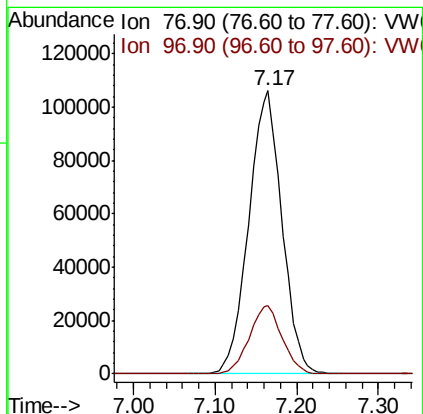
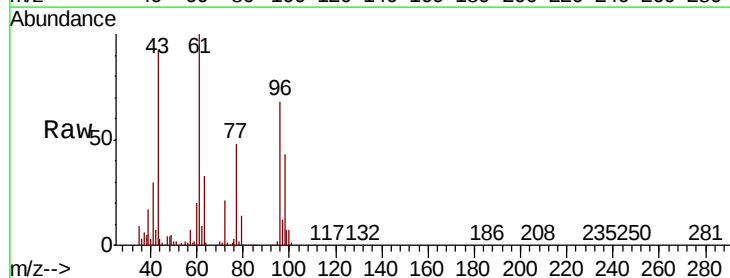
Acq: 10 May 2019 20:24

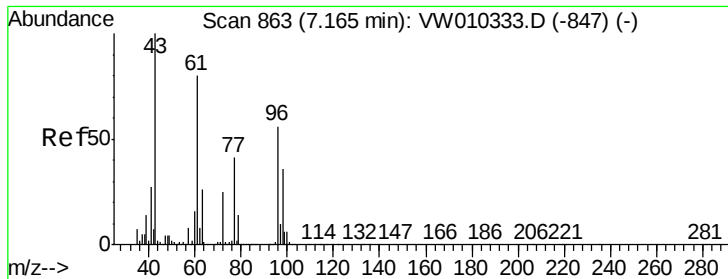
Tgt Ion: 77 Resp: 300928

Ion Ratio Lower Upper

77 100

97 24.0 11.3 33.9



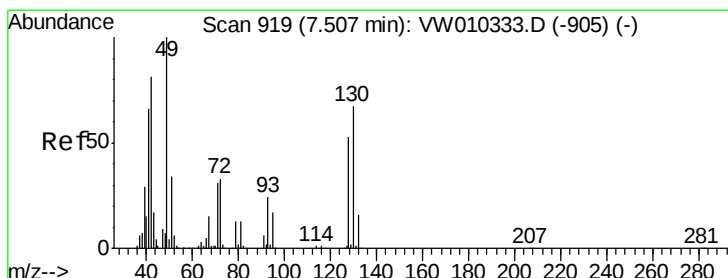
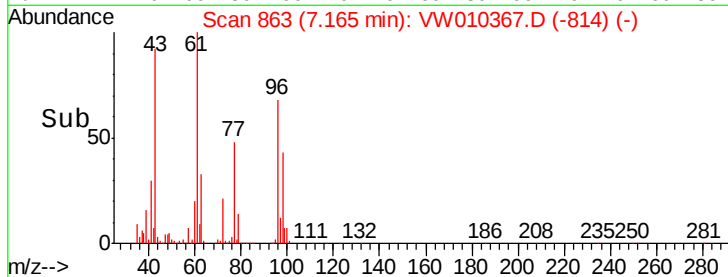
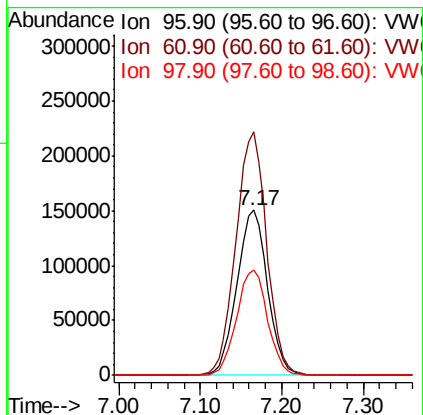
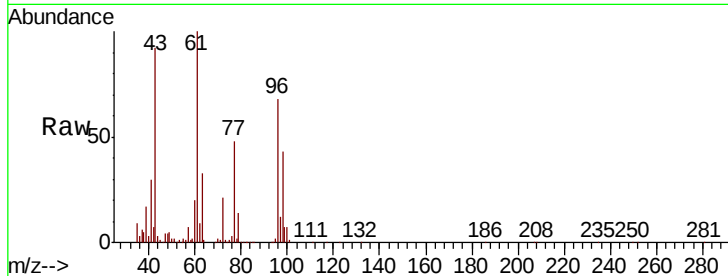


#27

cis-1,2-Dichloroethene
 Concen: 49.944 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0002-01MSD

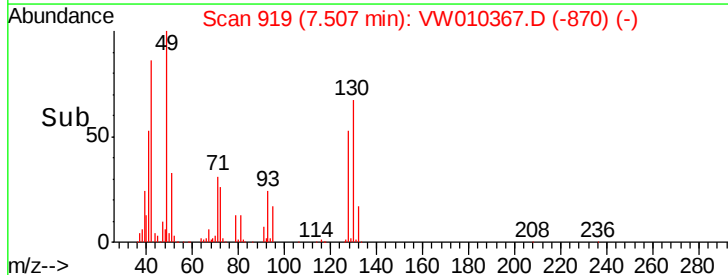
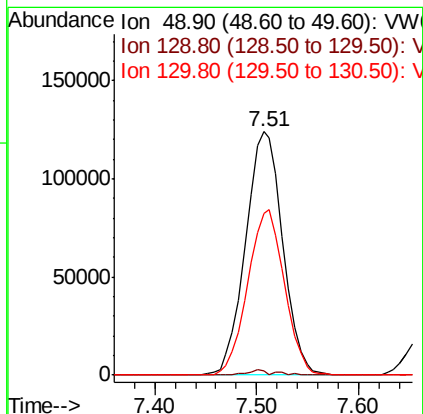
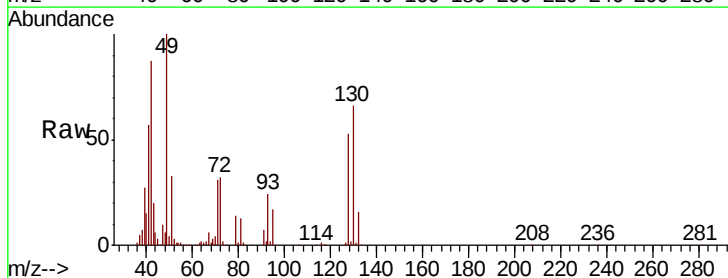
Tgt Ion	Resp	Lower	Upper
96	391858		
Ion Ratio			
96	100		
61	147.7	0.0	309.4
98	64.3	0.0	128.6

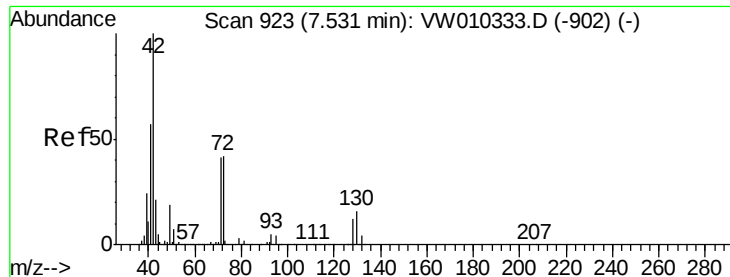


#28

Bromochloromethane
 Concen: 61.631 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

Tgt Ion	Resp	Lower	Upper
49	314116		
Ion Ratio			
49	100		
129	1.1	0.0	3.8
130	66.9	54.6	82.0





#29

Tetrahydrofuran

Concen: 396.395 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01MSD

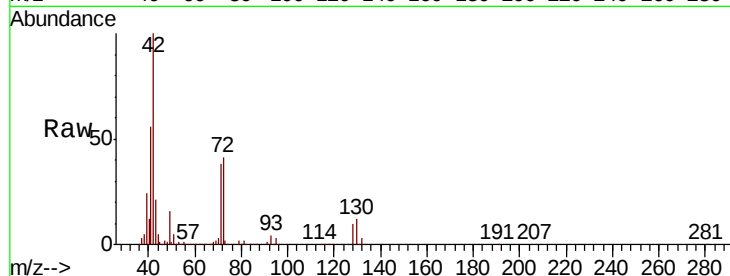
Tgt Ion: 42 Resp: 706579

Ion Ratio Lower Upper

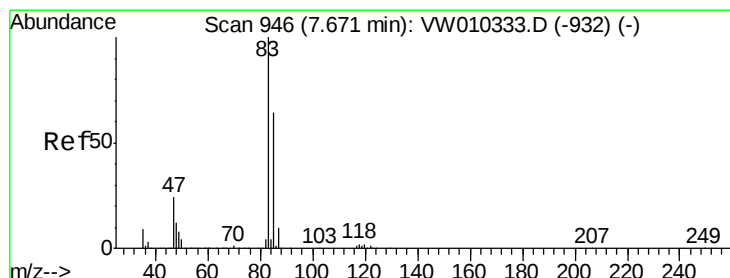
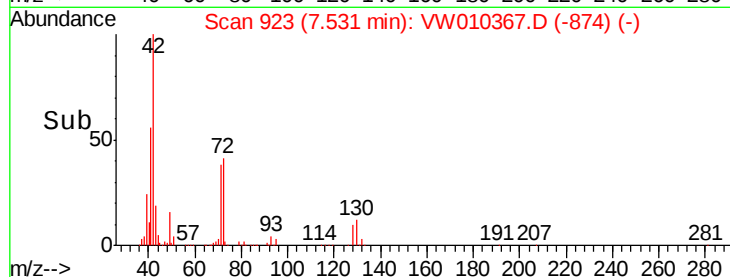
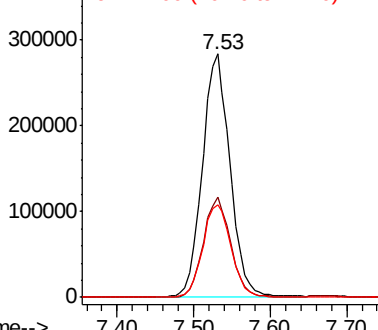
42 100

72 40.9 31.0 46.6

71 39.2 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: 70.229 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010367.D

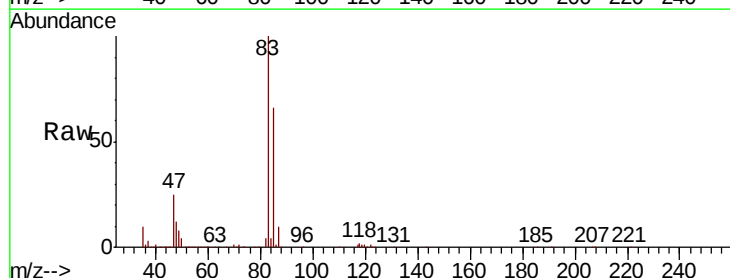
Acq: 10 May 2019 20:24

Tgt Ion: 83 Resp: 908597

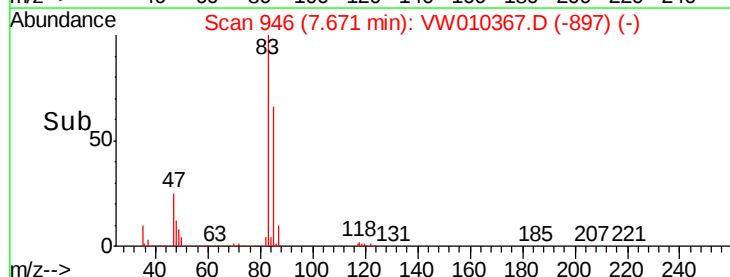
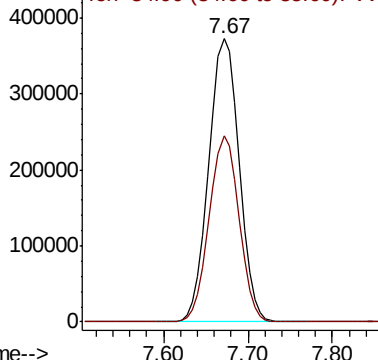
Ion Ratio Lower Upper

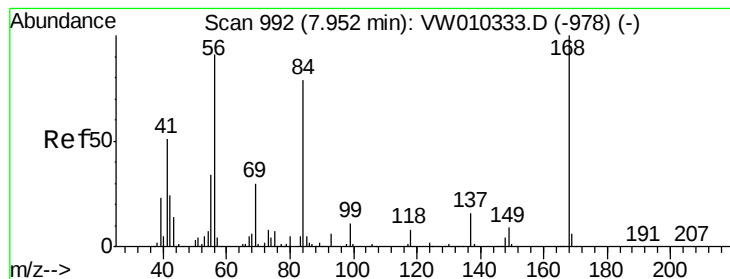
83 100

85 65.8 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: 46.187 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01MSD

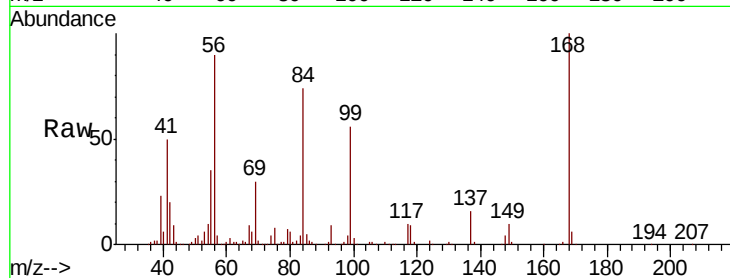
Tgt Ion: 56 Resp: 653772

Ion Ratio Lower Upper

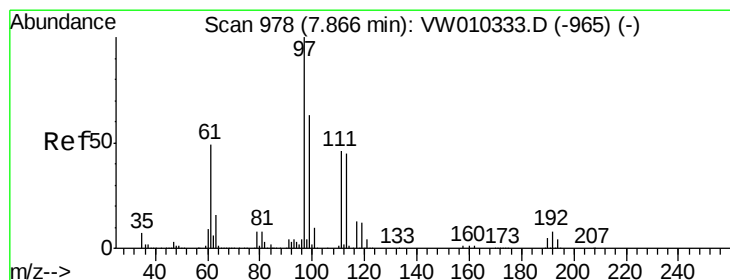
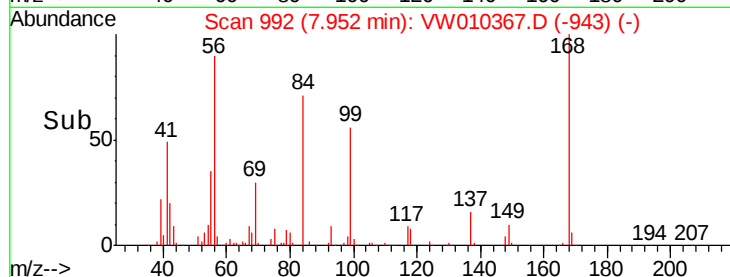
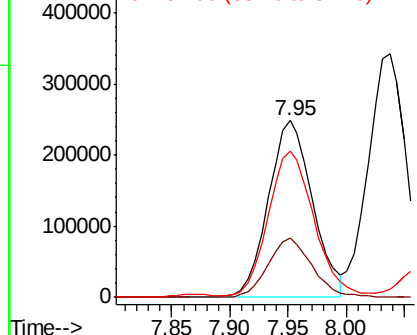
56 100

69 33.5 26.6 40.0

84 80.5 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: 68.655 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

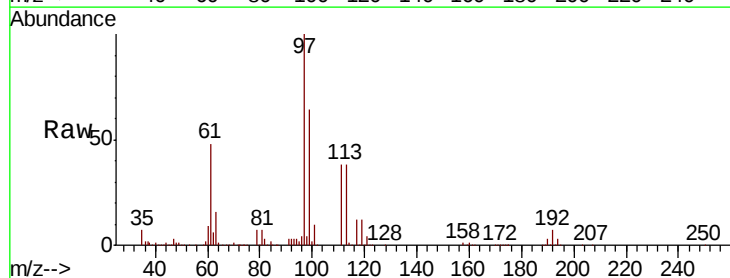
Tgt Ion: 97 Resp: 688011

Ion Ratio Lower Upper

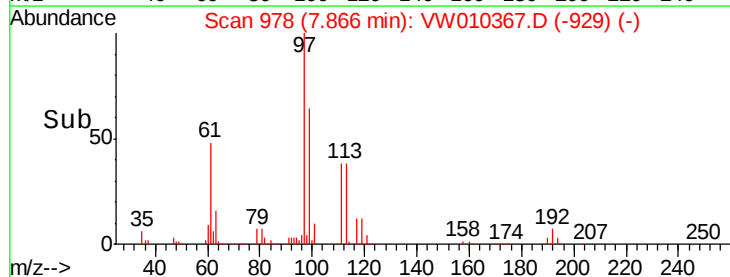
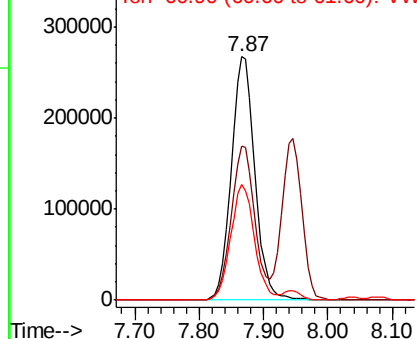
97 100

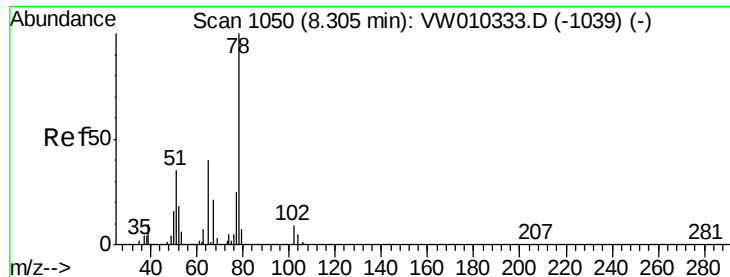
99 63.3 50.2 75.2

61 47.8 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

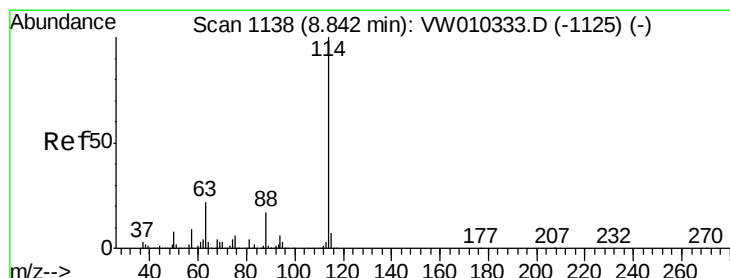
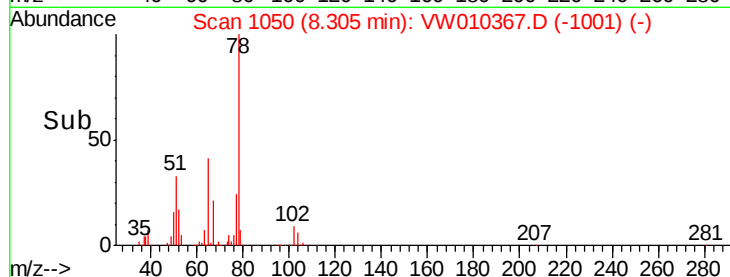
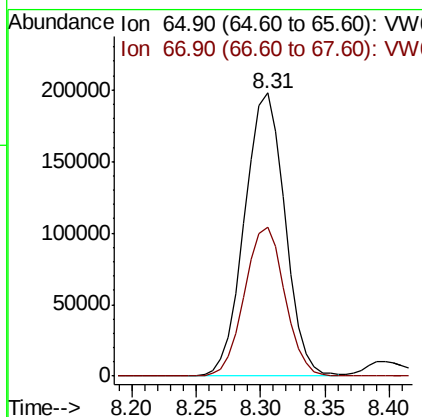
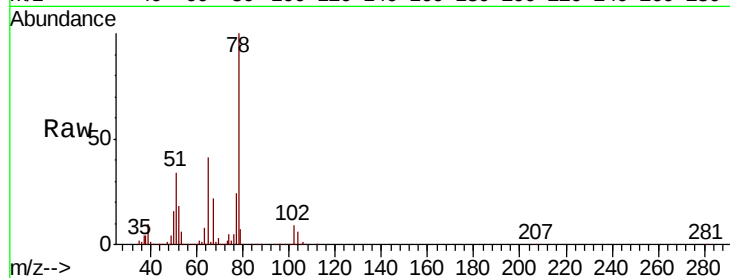




#33
 1,2-Dichloroethane-d4
 Concen: 62.193 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

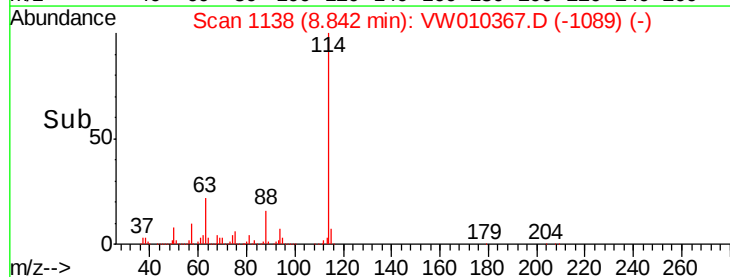
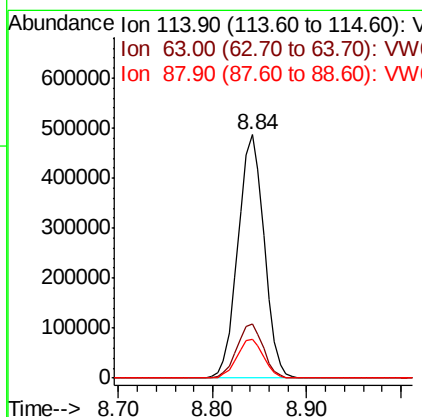
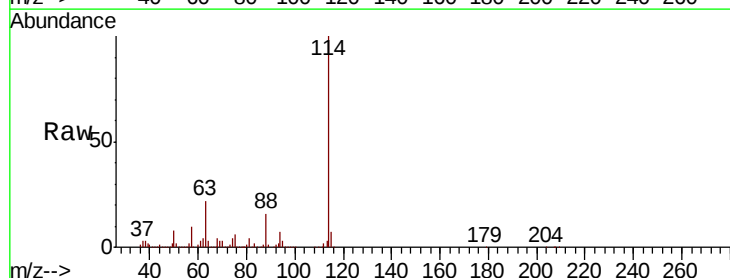
Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0002-01MSD

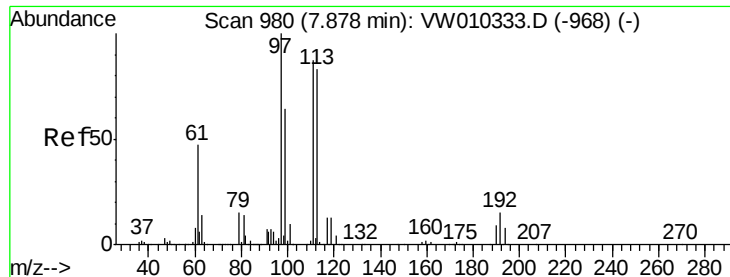
Tgt Ion: 65 Resp: 429767
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

Tgt Ion: 114 Resp: 943794
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 46.2
 88 16.2 0.0 32.6

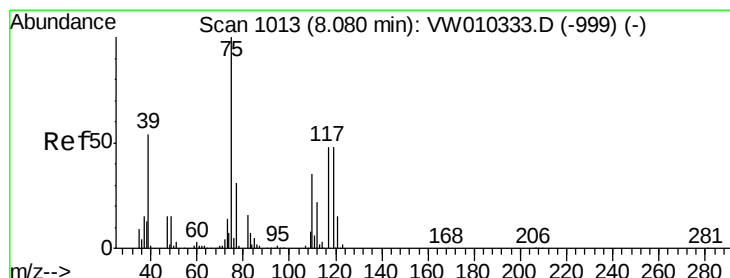
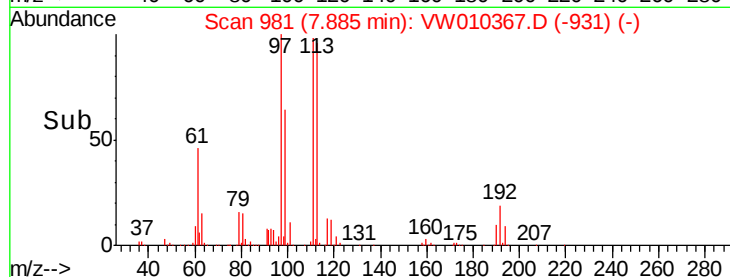
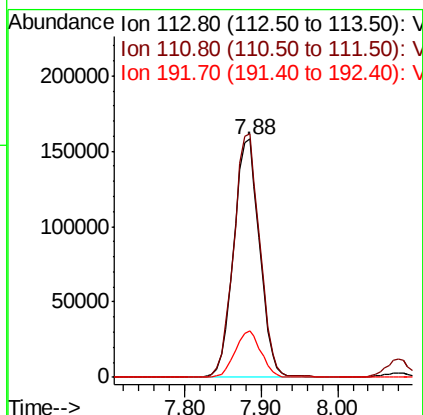
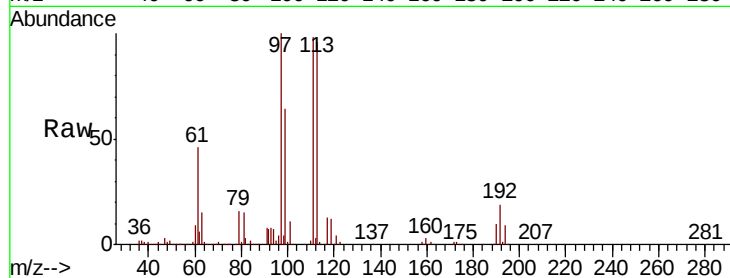




#35
 Dibromofluoromethane
 Concen: 67.037 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

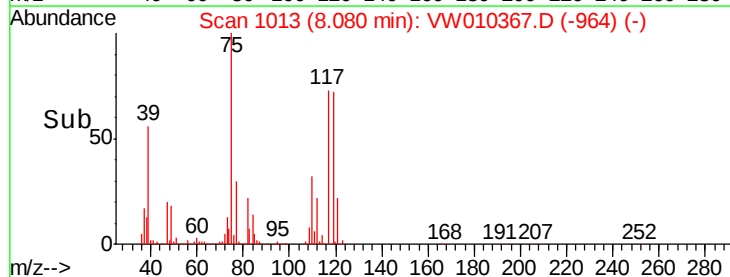
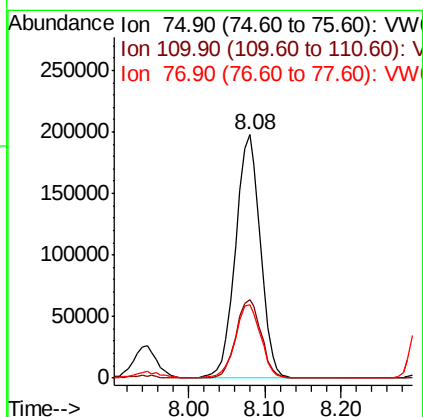
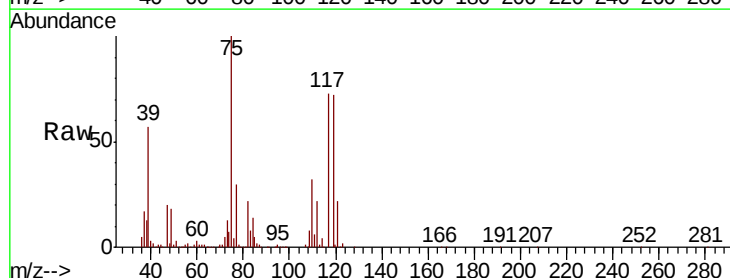
Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0002-01MSD

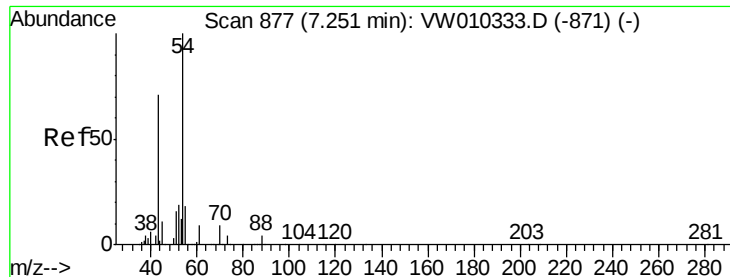
Tgt Ion: 113 Resp: 370242
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.6 123.8
 192 19.5 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 43.501 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

Tgt Ion: 75 Resp: 445154
 Ion Ratio Lower Upper
 75 100
 110 32.7 16.6 49.8
 77 31.1 24.8 37.2





#37

Ethyl Acetate

Concen: 104.945 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01MSD

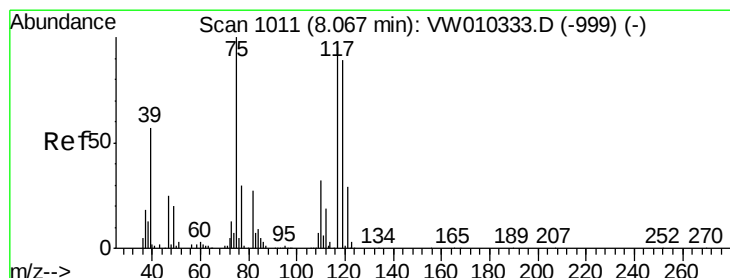
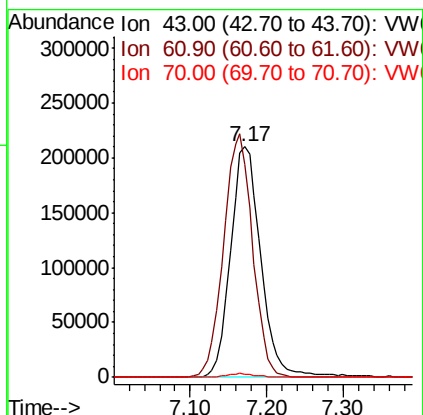
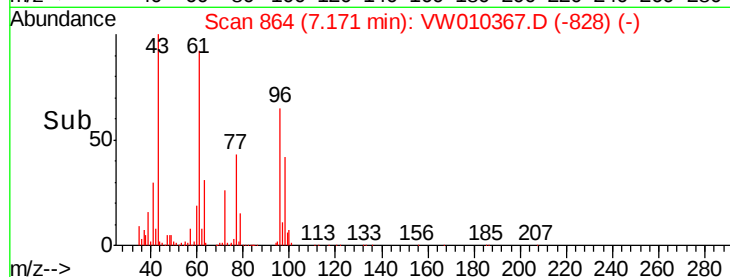
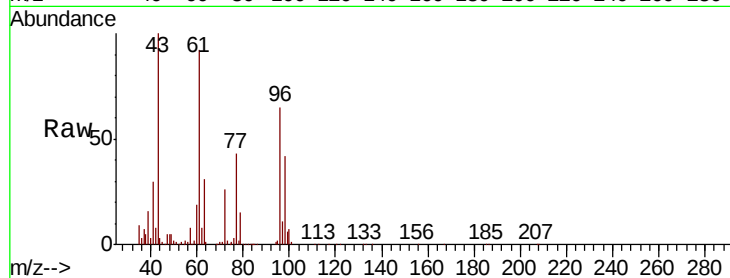
Tgt Ion: 43 Resp: 571803

Ion Ratio Lower Upper

43 100

61 101.2 9.8 14.8#

70 1.5 7.4 11.0#



#38

Carbon Tetrachloride

Concen: 66.146 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

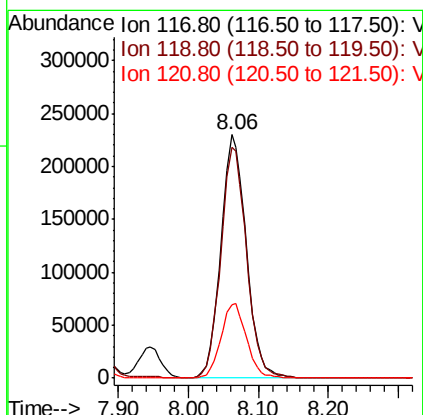
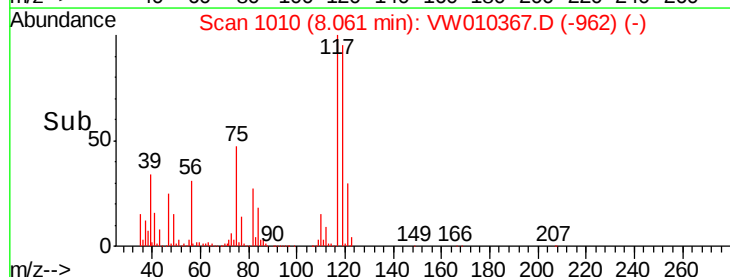
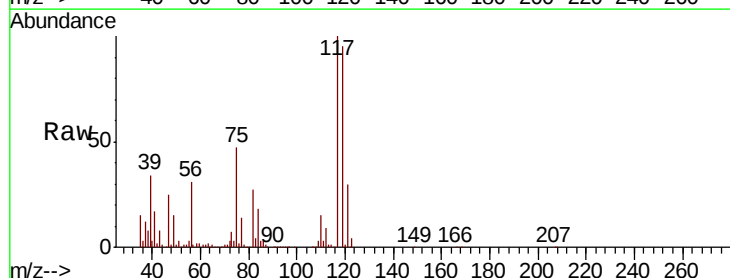
Tgt Ion: 117 Resp: 580236

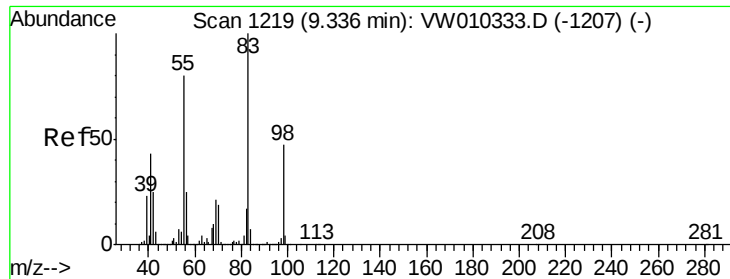
Ion Ratio Lower Upper

117 100

119 94.9 75.3 112.9

121 30.3 24.4 36.6

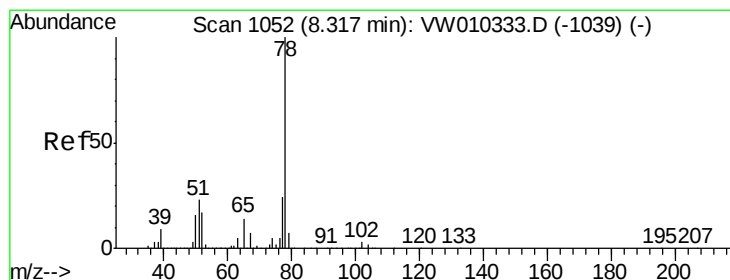
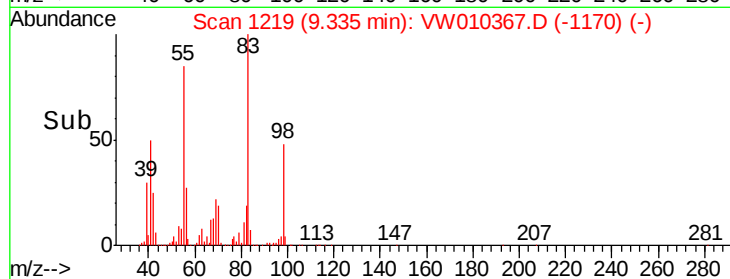
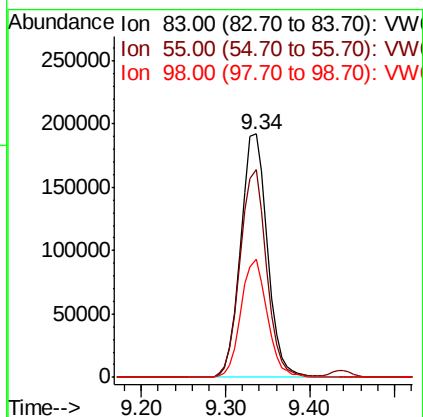
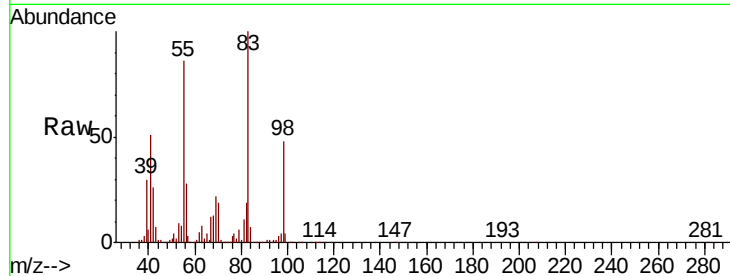




#39
Methylcyclohexane
Concen: 32.789 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

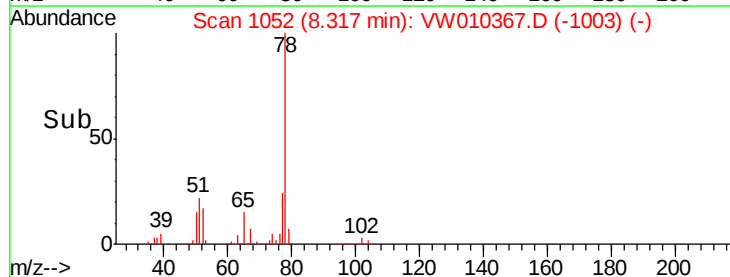
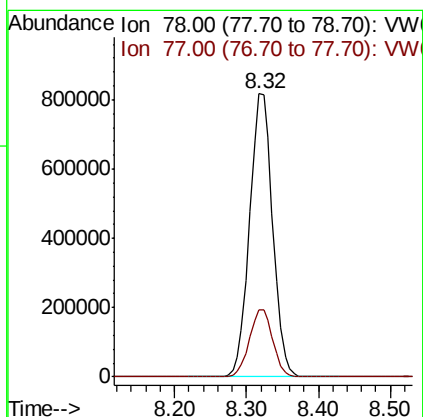
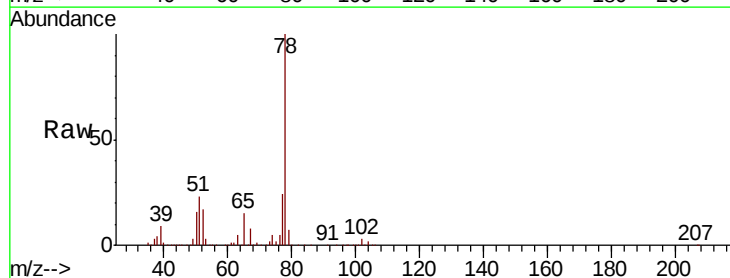
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0002-01MSD

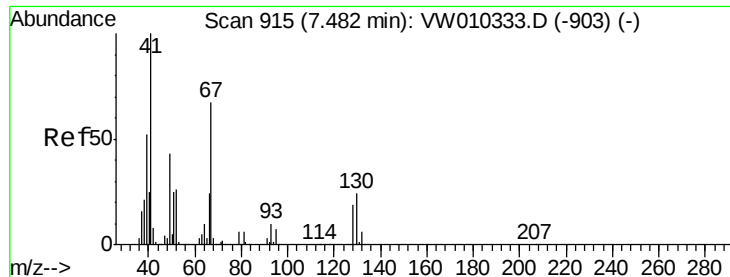
Tgt Ion: 83 Resp: 410467
Ion Ratio Lower Upper
83 100
55 85.5 67.1 100.7
98 48.4 39.2 58.8



#40
Benzene
Concen: 64.902 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

Tgt Ion: 78 Resp: 1818902
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7





#41

Methacrylonitrile

Concen: 157.011 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01MSD

Tgt Ion: 41 Resp: 479767

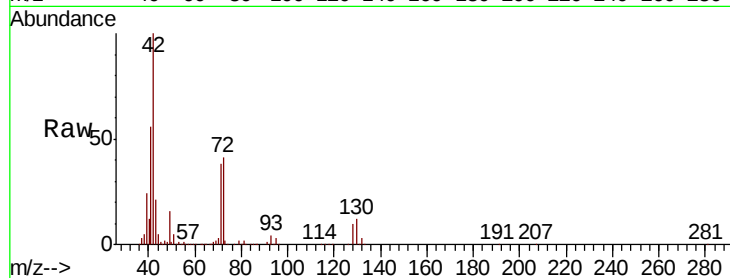
Ion Ratio Lower Upper

41 100

39 45.7 45.0 67.4

67 0.0 50.7 76.1#

52 0.0 22.6 33.8#



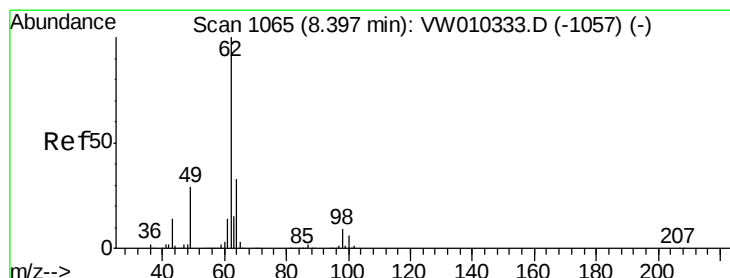
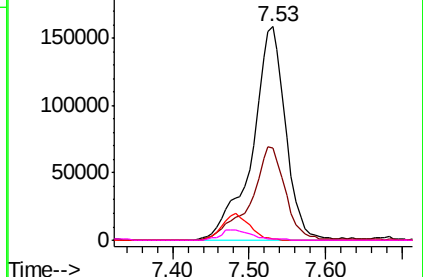
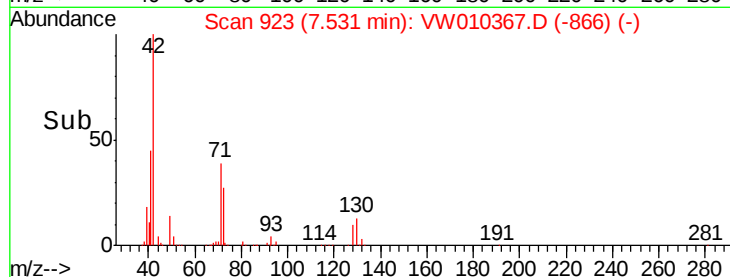
Abundance Ion 41.00 (40.70 to 41.70): VW

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

Time-->



#42

1,2-Dichloroethane

Concen: 71.409 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010367.D

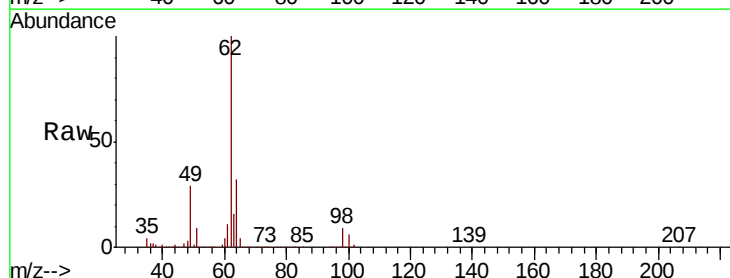
Acq: 10 May 2019 20:24

Tgt Ion: 62 Resp: 572838

Ion Ratio Lower Upper

62 100

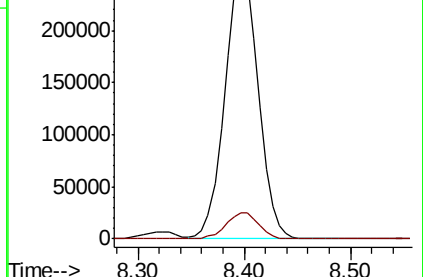
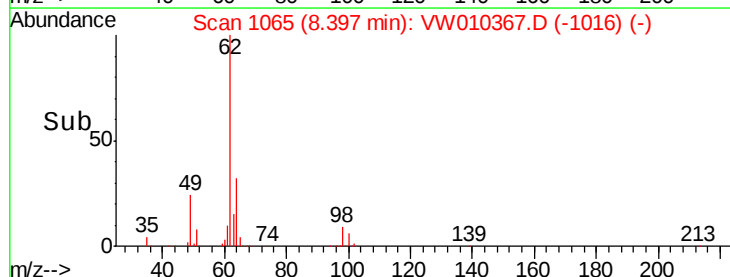
98 9.4 0.0 16.6

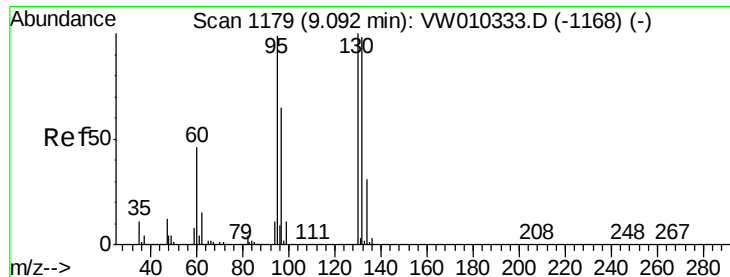


Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

Time-->





#44

Trichloroethene

Concen: 41.438 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

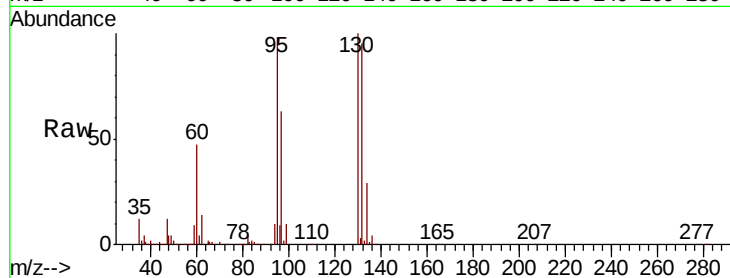
P026-SS006-0002-01MSD

Tgt Ion:130 Resp: 290734

Ion Ratio Lower Upper

130 100

95 97.8 0.0 205.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

9.09

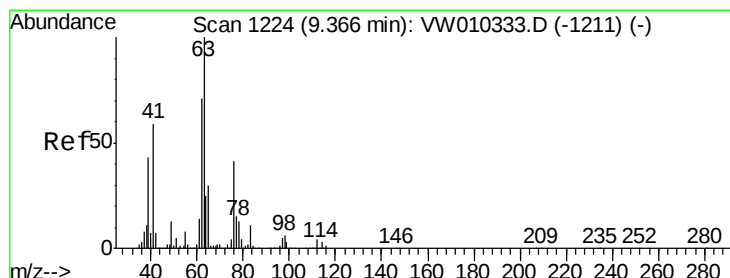
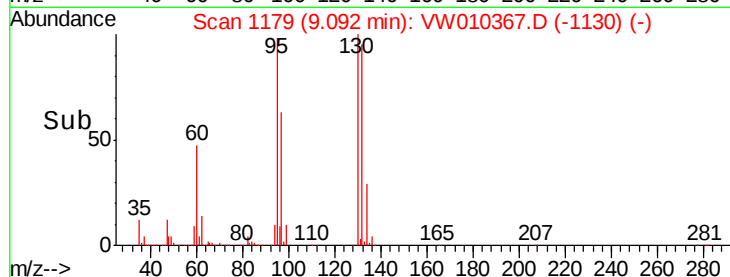
150000

100000

50000

0

Time-->



#45

1,2-Dichloropropane

Concen: 78.237 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010367.D

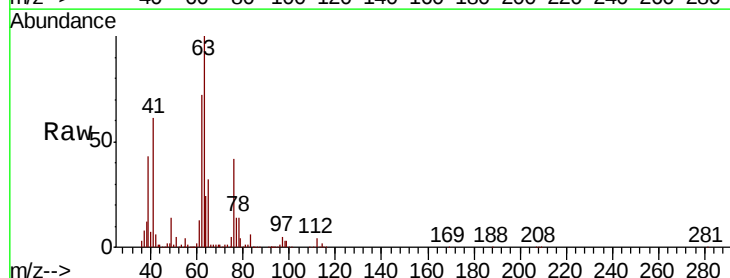
Acq: 10 May 2019 20:24

Tgt Ion: 63 Resp: 545021

Ion Ratio Lower Upper

63 100

65 31.7 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

300000

250000

200000

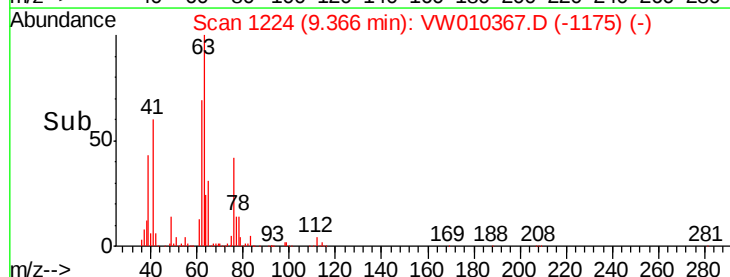
150000

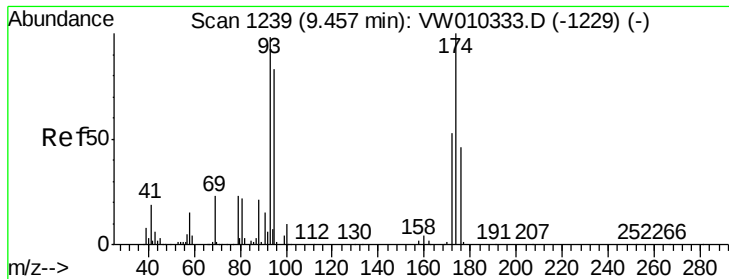
100000

50000

0

Time-->





#46

Dibromomethane

Concen: 60.913 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01MSD

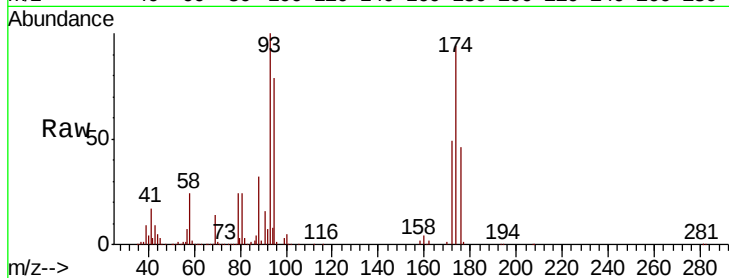
Tgt Ion: 93 Resp: 219215

Ion Ratio Lower Upper

93 100

95 82.2 65.8 98.8

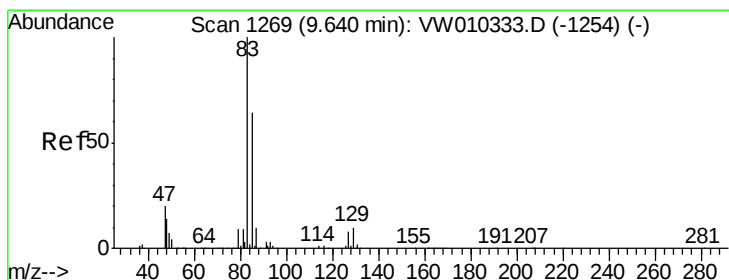
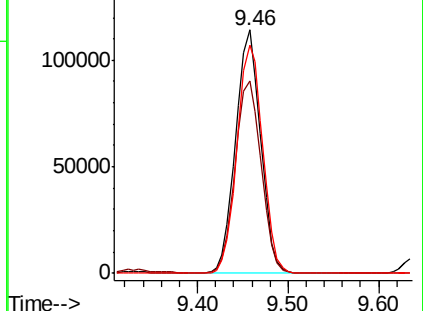
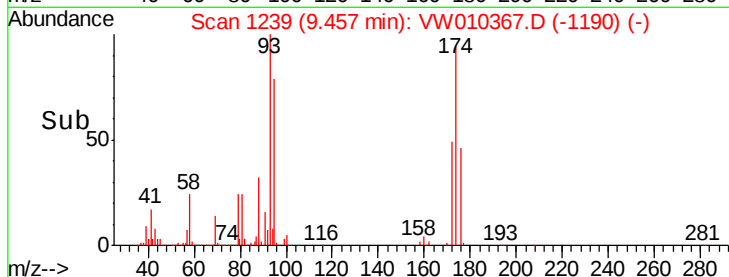
174 96.1 75.5 113.3



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 69.842 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

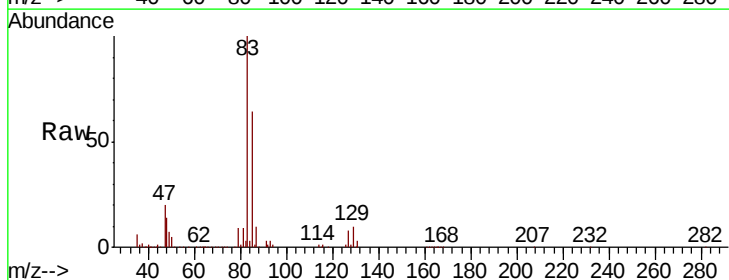
Tgt Ion: 83 Resp: 602934

Ion Ratio Lower Upper

83 100

85 63.6 50.6 75.8

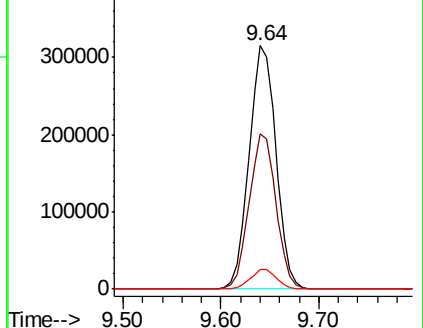
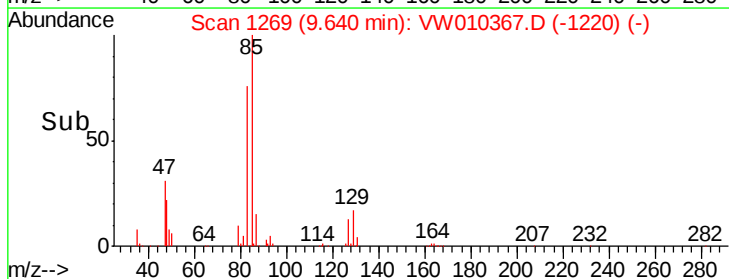
127 8.1 6.6 10.0

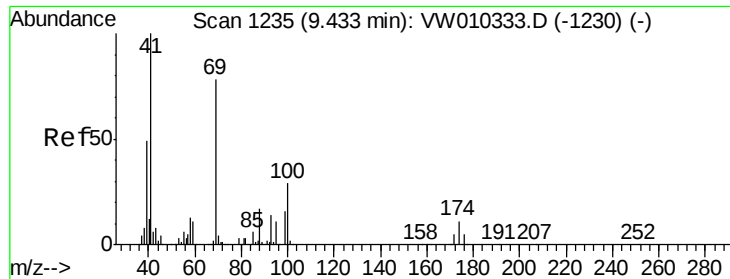


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

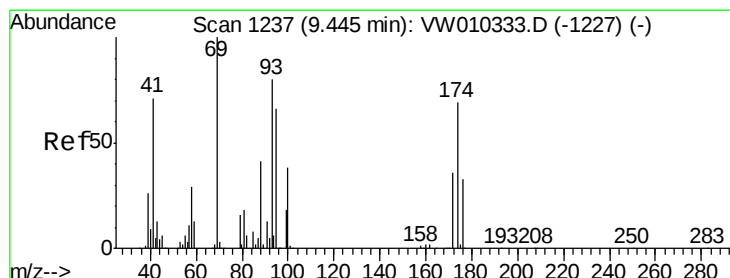
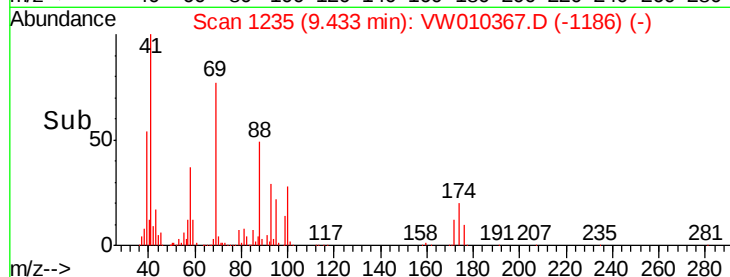
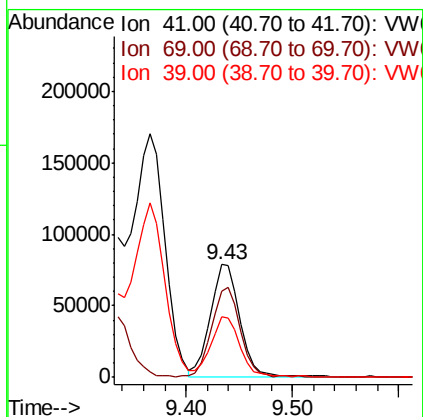
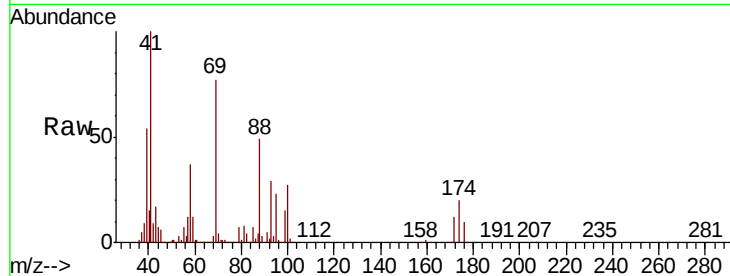




#48
Methyl methacrylate
Concen: 34.696 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

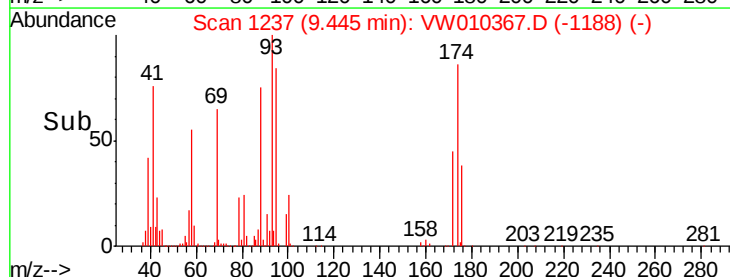
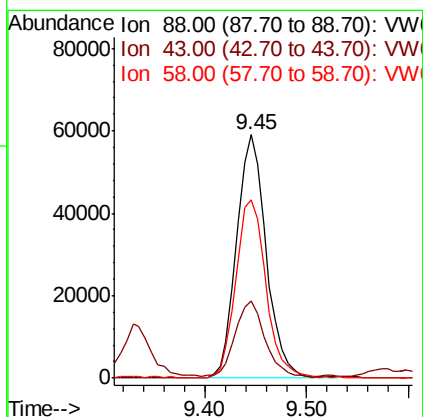
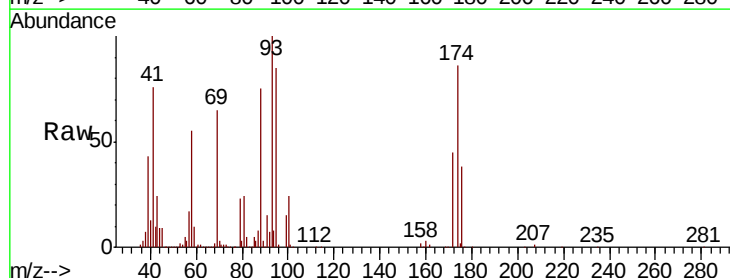
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0002-01MSD

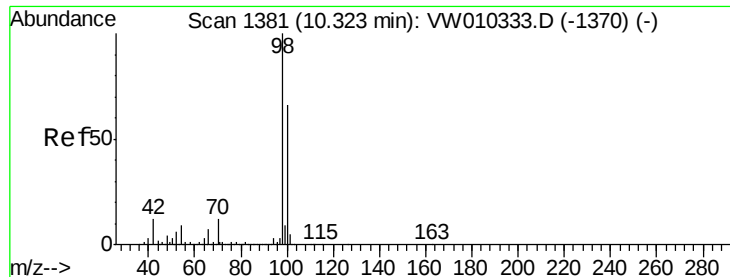
Tgt Ion: 41 Resp: 148242
Ion Ratio Lower Upper
41 100
69 78.1 60.1 90.1
39 51.6 51.0 76.6



#49
1,4-Dioxane
Concen: 1895.562 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

Tgt Ion: 88 Resp: 118967
Ion Ratio Lower Upper
88 100
43 31.6 31.9 47.9#
58 75.1 61.8 92.6





#50

Toluene-d8

Concen: 47.808 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

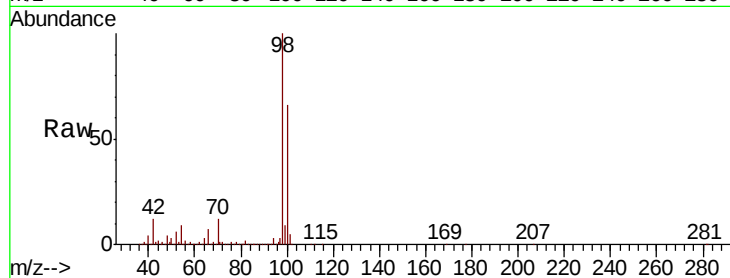
P026-SS006-0002-01MSD

Tgt Ion: 98 Resp: 1075191

Ion Ratio Lower Upper

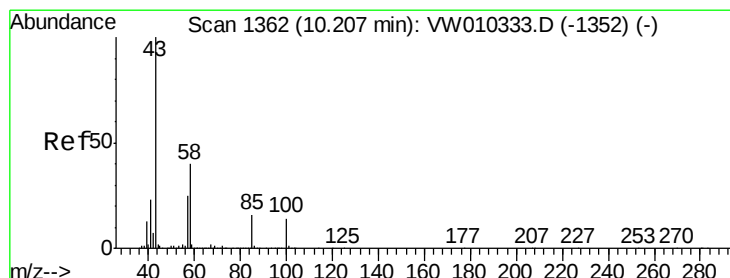
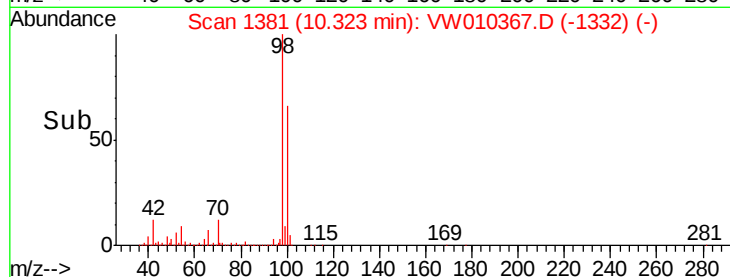
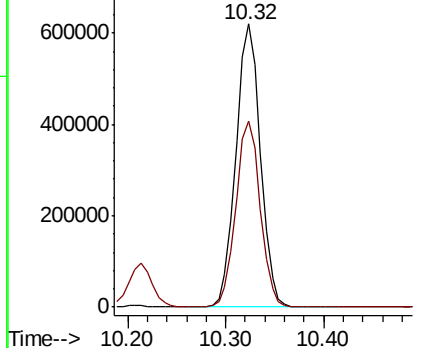
98 100

100 65.4 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 215.711 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010367.D

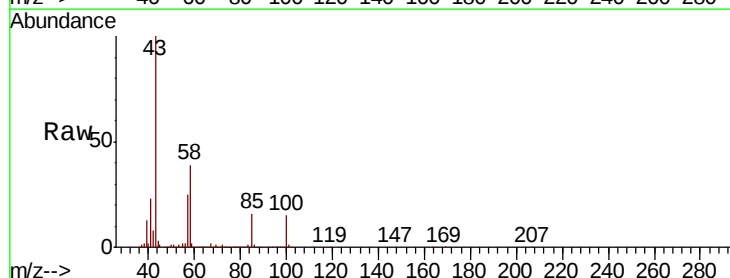
Acq: 10 May 2019 20:24

Tgt Ion: 43 Resp: 1117705

Ion Ratio Lower Upper

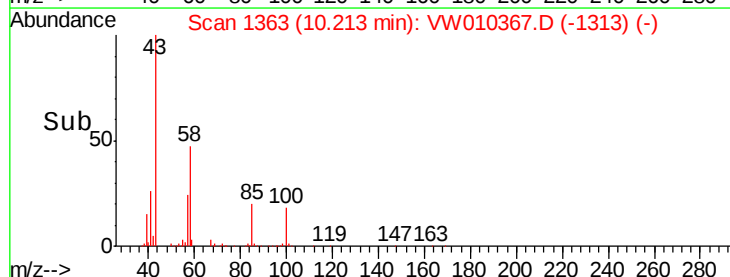
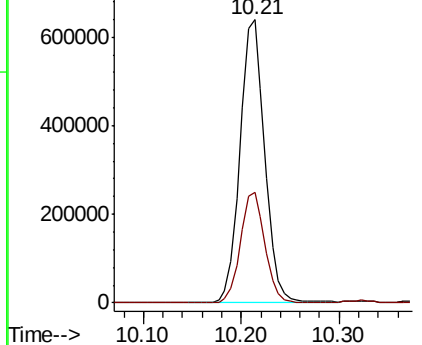
43 100

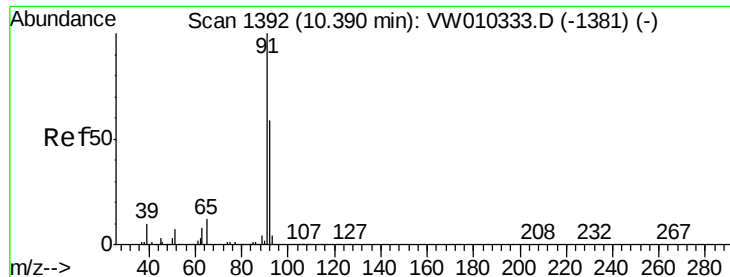
58 38.8 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 50.141 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

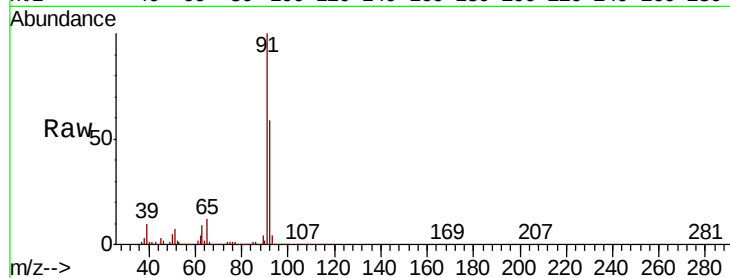
P026-SS006-0002-01MSD

Tgt Ion: 92 Resp: 858890

Ion Ratio Lower Upper

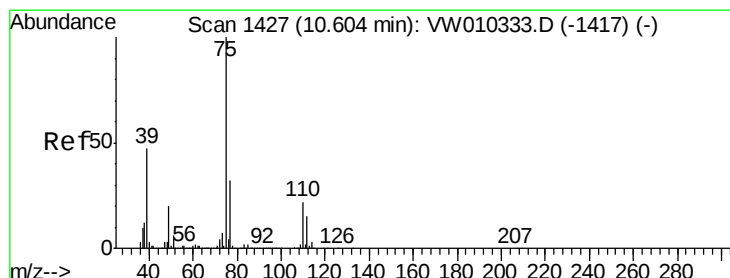
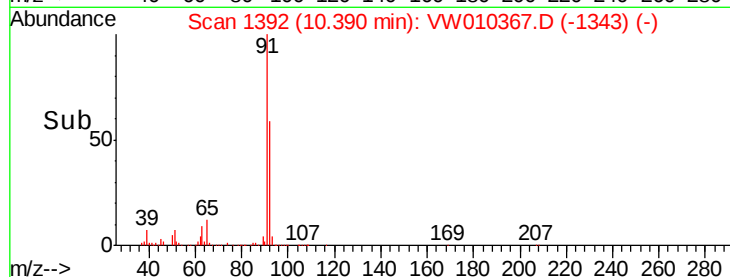
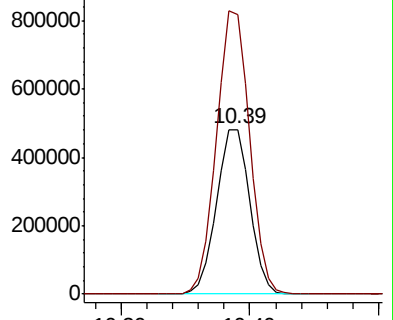
92 100

91 170.9 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#53

t-1,3-Dichloropropene

Concen: 30.192 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010367.D

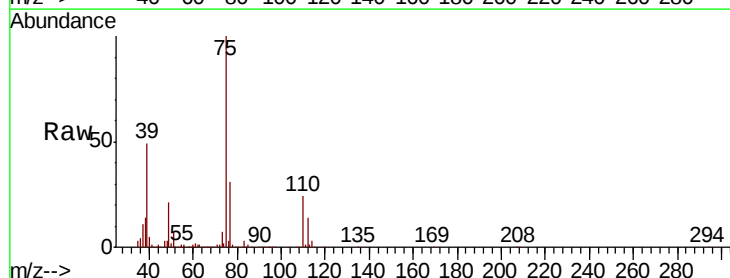
Acq: 10 May 2019 20:24

Tgt Ion: 75 Resp: 264011

Ion Ratio Lower Upper

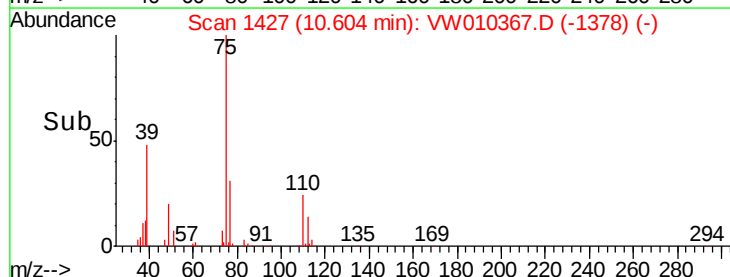
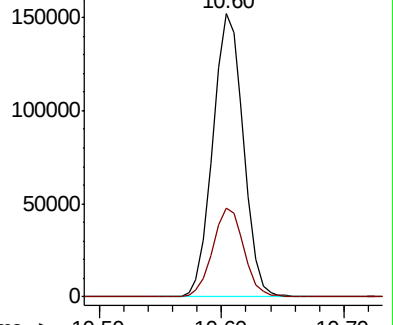
75 100

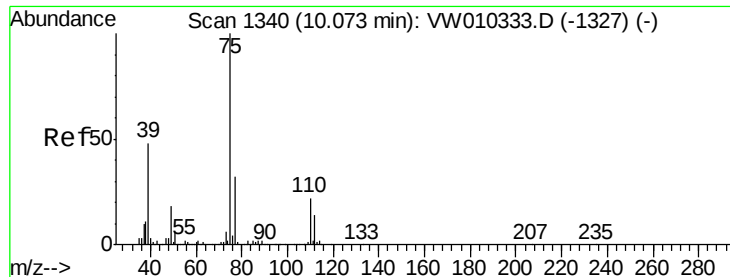
77 31.1 26.9 40.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW





#54

cis-1,3-Dichloropropene

Concen: 31.993 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01MSD

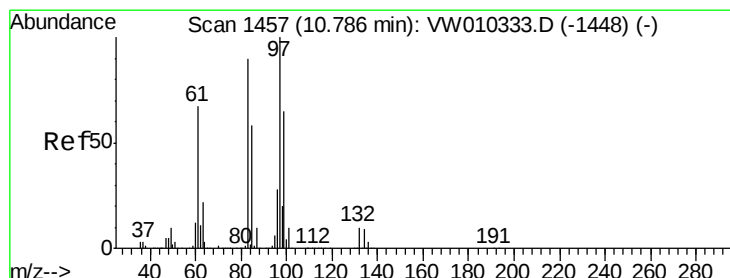
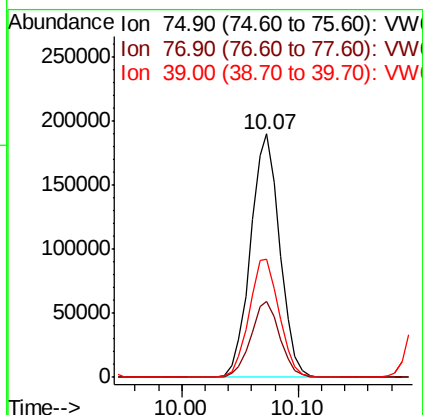
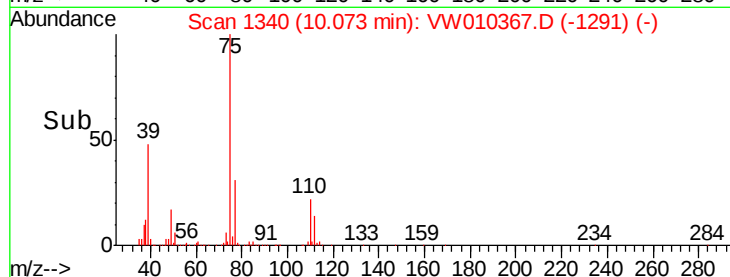
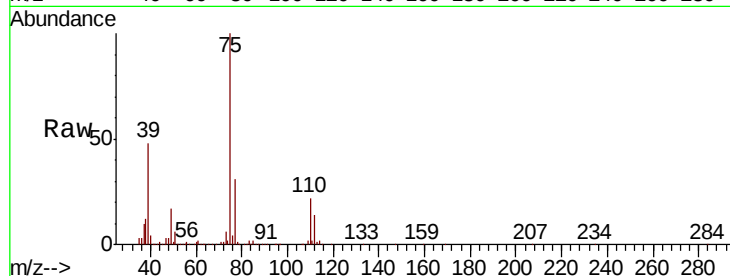
Tgt Ion: 75 Resp: 331321

Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4

39 48.0 47.8 71.6



#55

1,1,2-Trichloroethane

Concen: 69.823 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Tgt Ion: 97 Resp: 356902

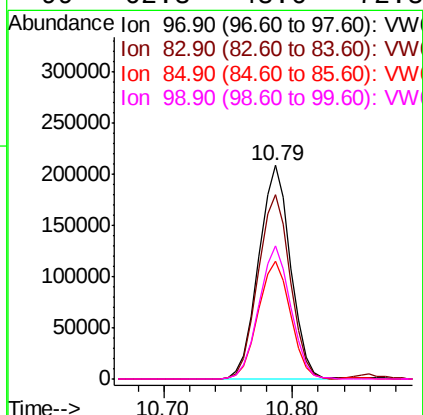
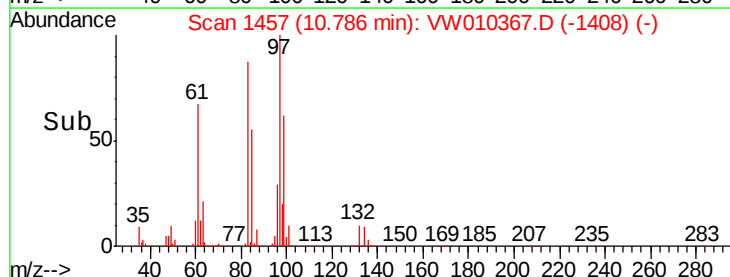
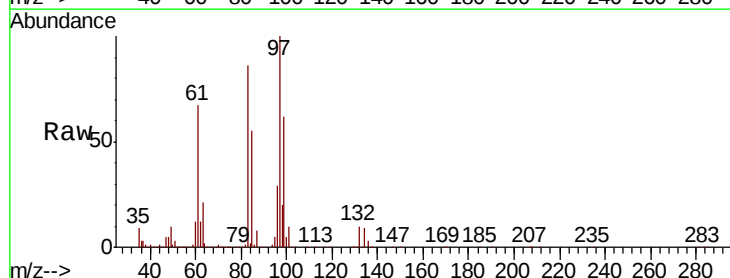
Ion Ratio Lower Upper

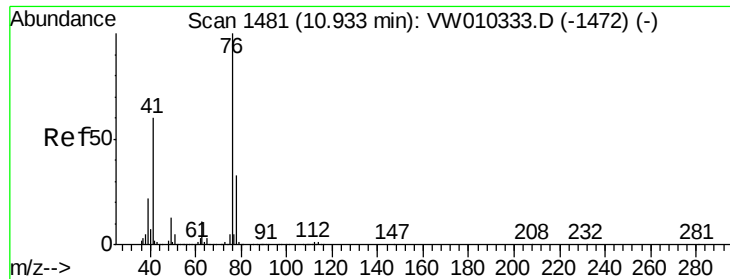
97 100

83 86.4 68.9 103.3

85 55.1 42.9 64.3

99 62.3 48.6 72.8

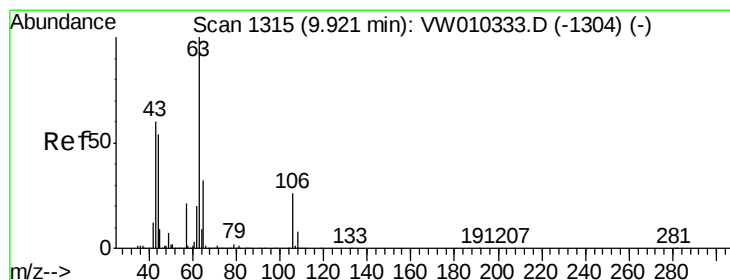
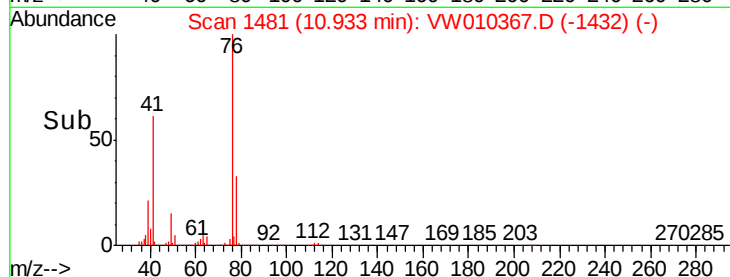
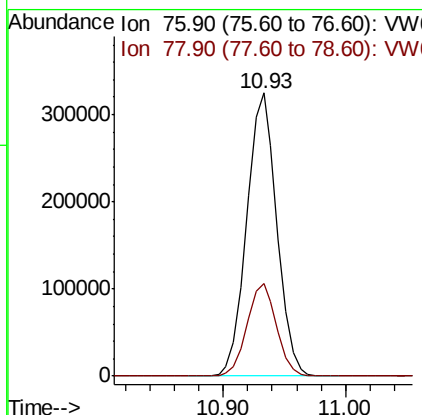
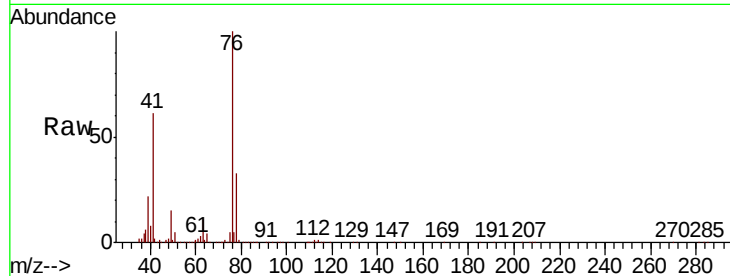




#57
 1,3-Dichloropropane
 Concen: 60.713 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

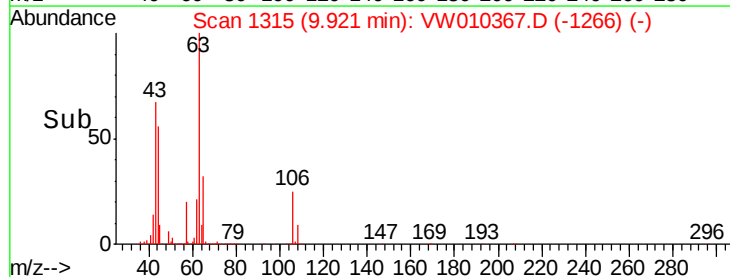
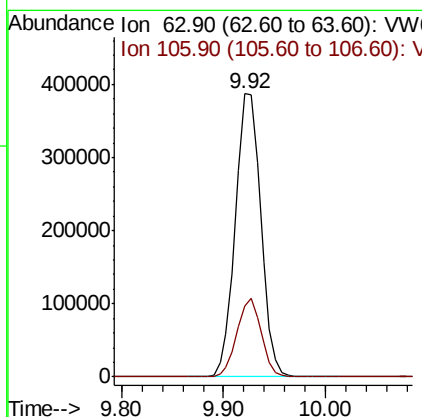
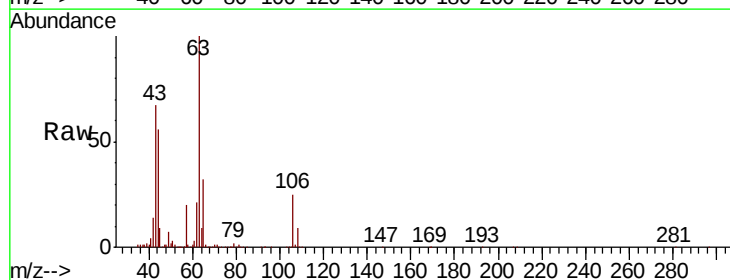
Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0002-01MSD

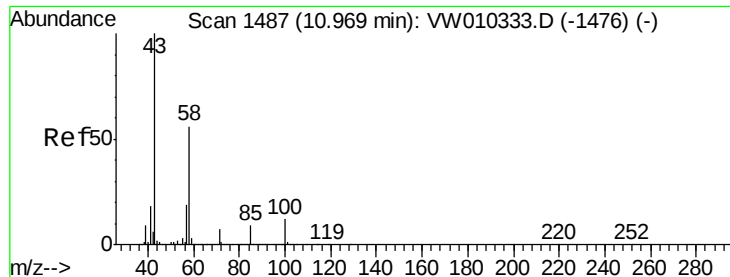
Tgt Ion: 76 Resp: 554793
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 206.985 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

Tgt Ion: 63 Resp: 668935
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.4 32.0

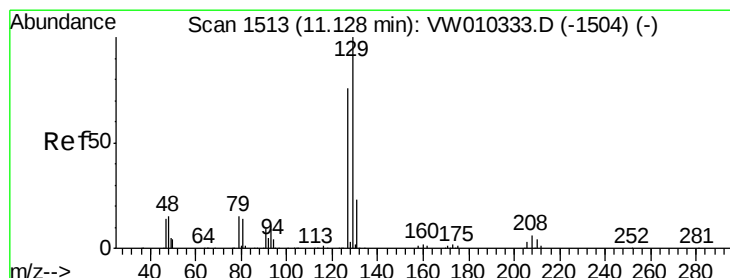
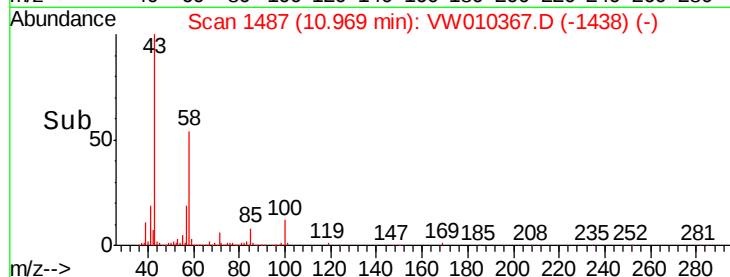
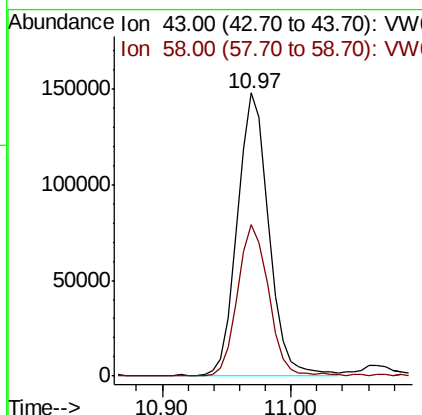
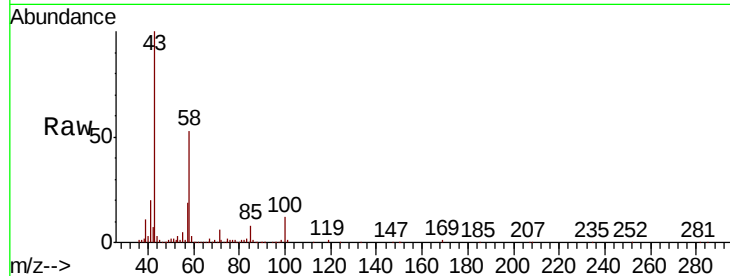




#59
2-Hexanone
Concen: 68.101 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

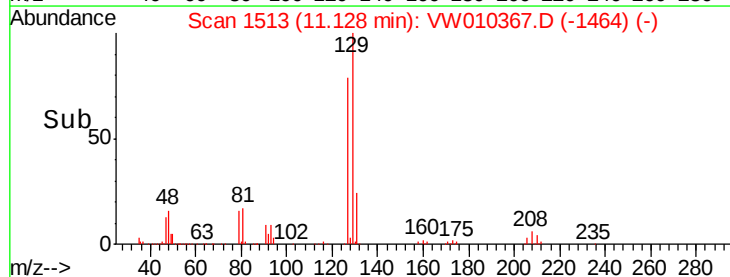
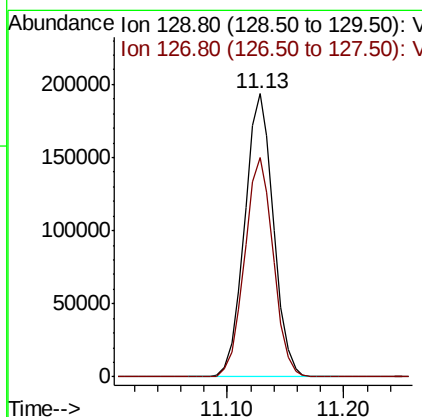
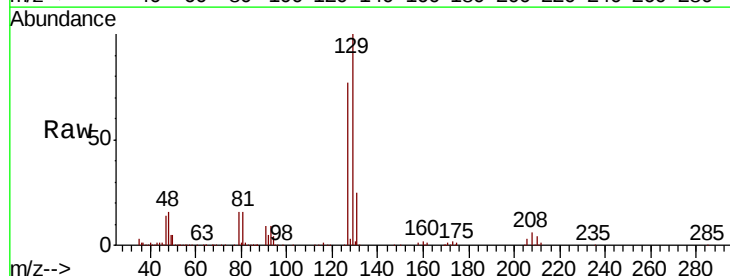
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0002-01MSD

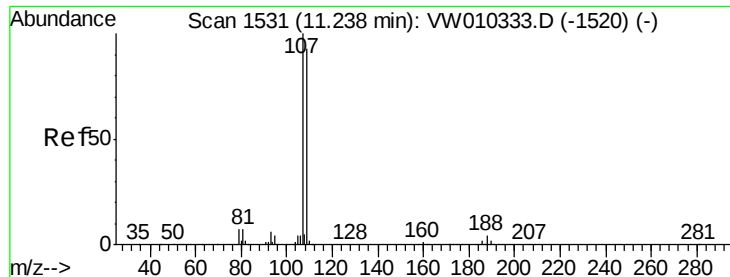
Tgt Ion: 43 Resp: 249486
Ion Ratio Lower Upper
43 100
58 53.1 24.9 74.7



#60
Dibromochloromethane
Concen: 60.544 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

Tgt Ion: 129 Resp: 333010
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 45.661 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

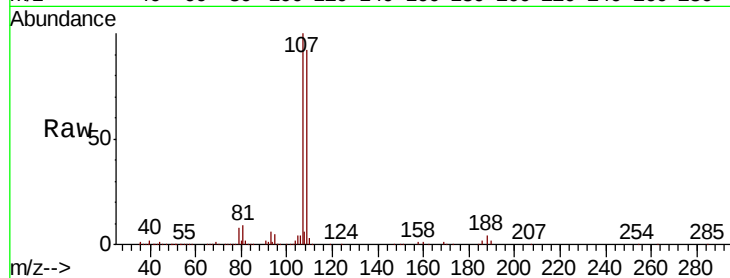
P026-SS006-0002-01MSD

Tgt Ion: 107 Resp: 224054

Ion Ratio Lower Upper

107 100

109 94.1 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

150000

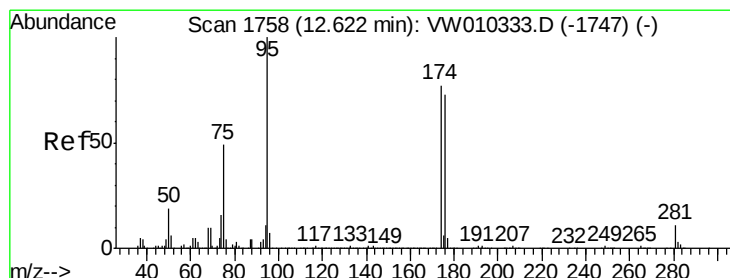
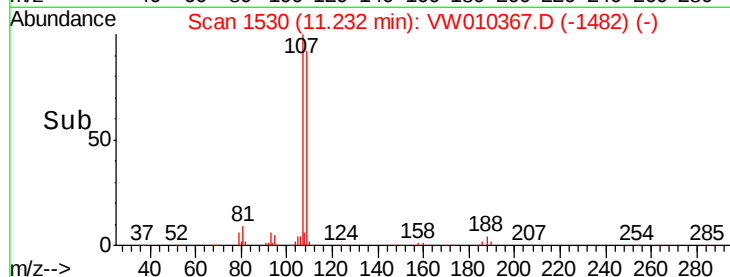
100000

50000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 21.606 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

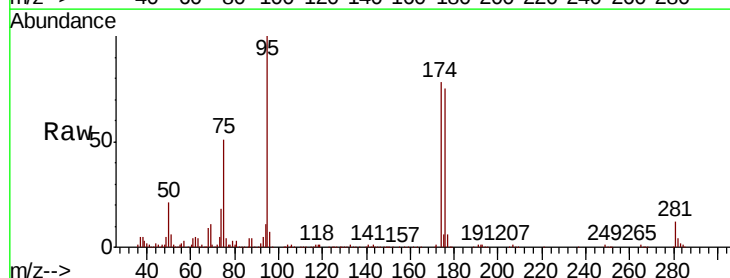
Tgt Ion: 95 Resp: 171048

Ion Ratio Lower Upper

95 100

174 74.9 0.0 151.4

176 72.7 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

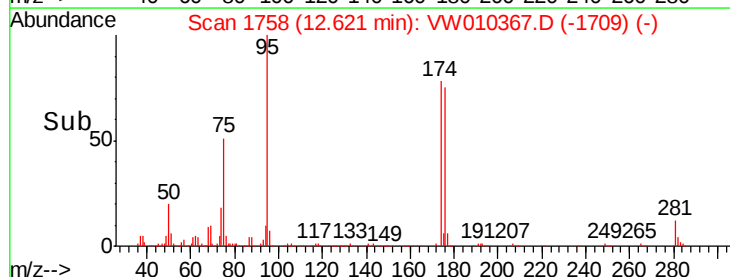
100000

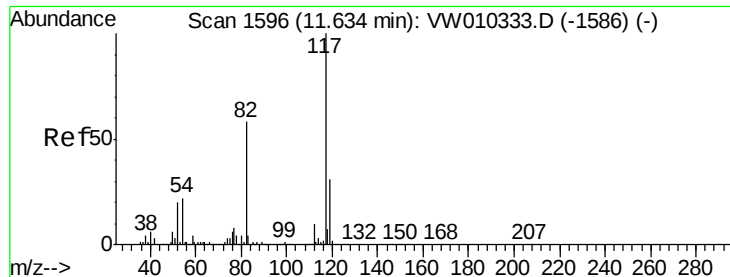
50000

0

Time-->

12.55 12.60 12.65 12.70





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01MSD

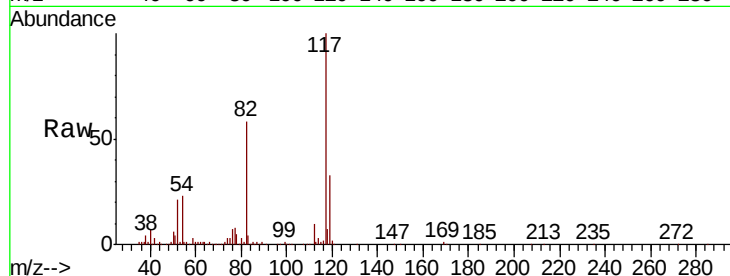
Tgt Ion:117 Resp: 542985

Ion Ratio Lower Upper

117 100

82 57.5 45.2 67.8

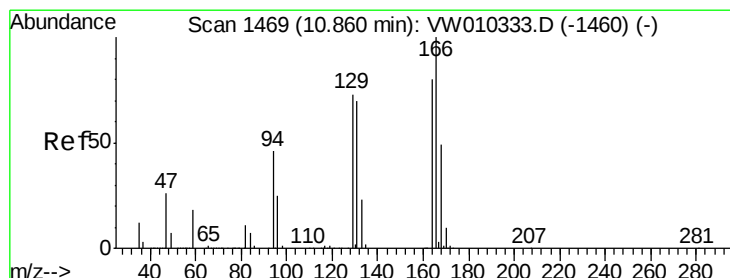
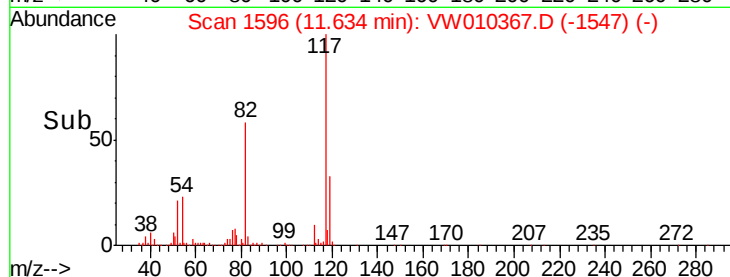
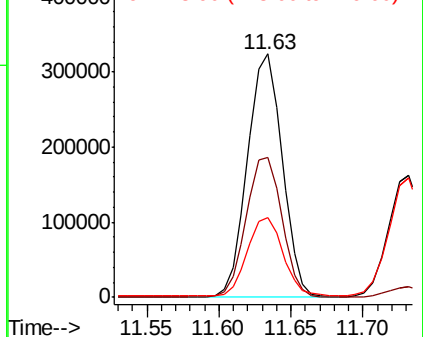
119 32.3 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 60.840 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Tgt Ion:164 Resp: 230893

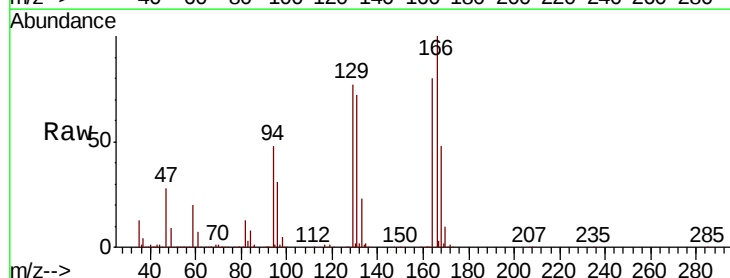
Ion Ratio Lower Upper

164 100

166 124.4 101.2 151.8

129 95.4 77.8 116.6

131 90.0 73.1 109.7

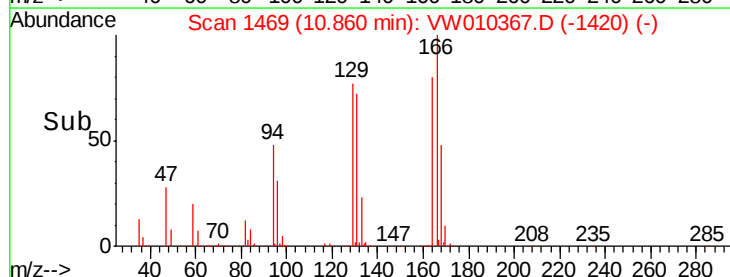
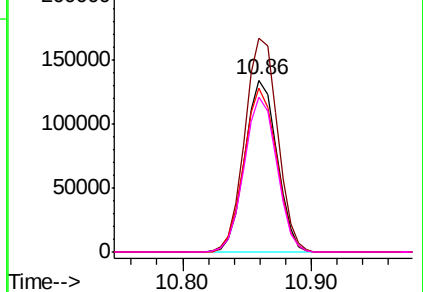


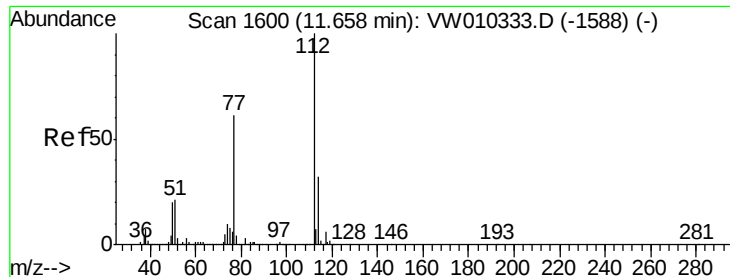
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

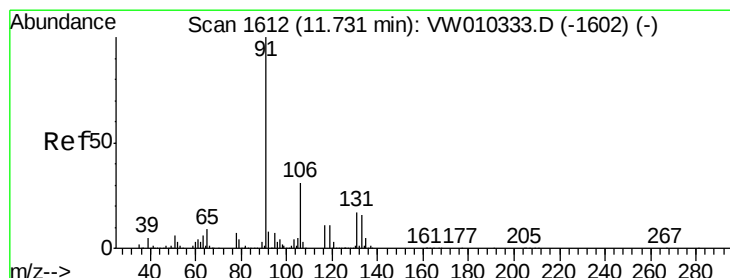
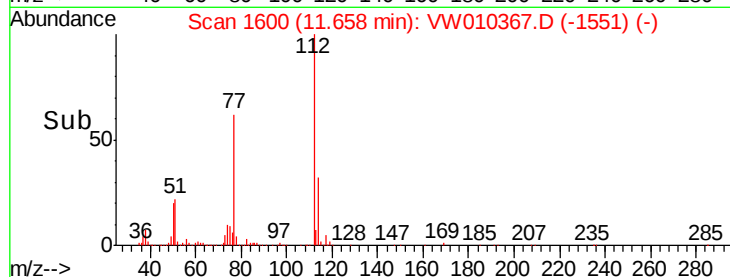
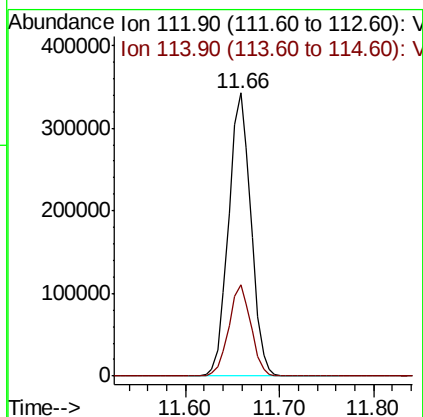
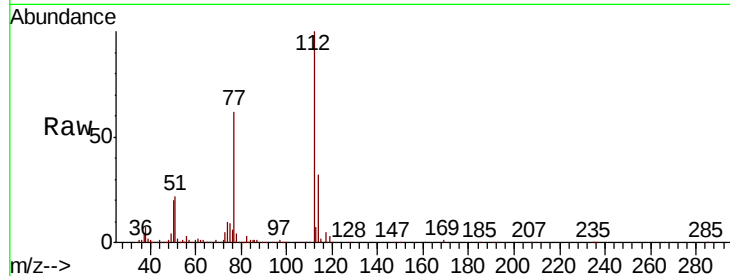




#65
Chlorobenzene
Concen: 50.173 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

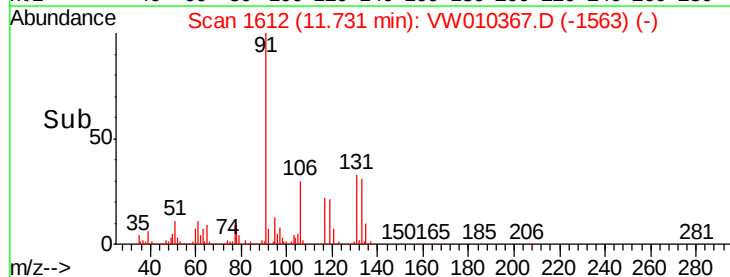
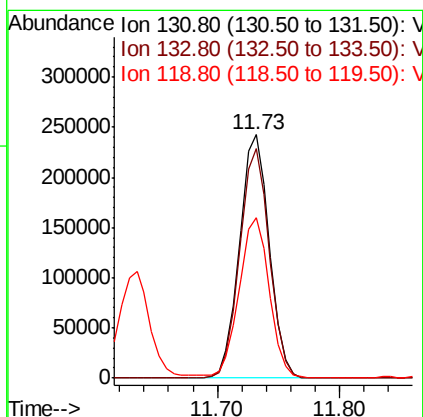
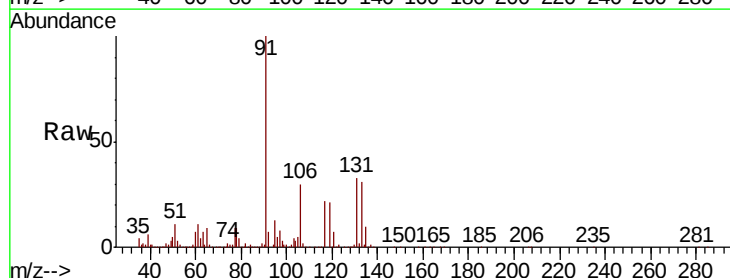
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0002-01MSD

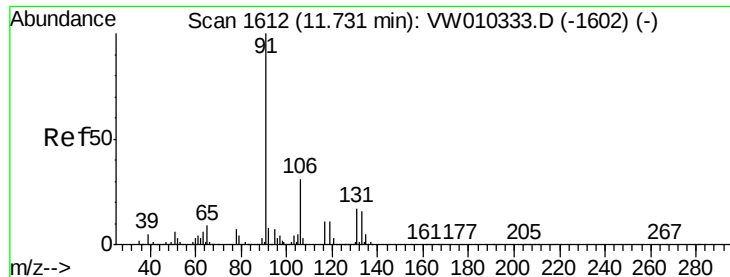
Tgt Ion:112 Resp: 563944
Ion Ratio Lower Upper
112 100
114 32.5 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 107.554 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

Tgt Ion:131 Resp: 408599
Ion Ratio Lower Upper
131 100
133 93.8 46.5 139.5
119 66.8 31.9 95.5





#67

Ethyl Benzene

Concen: 56.212 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

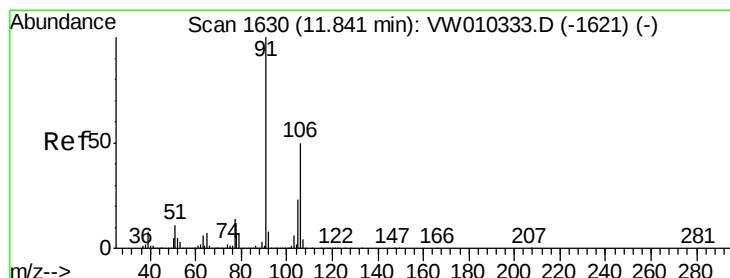
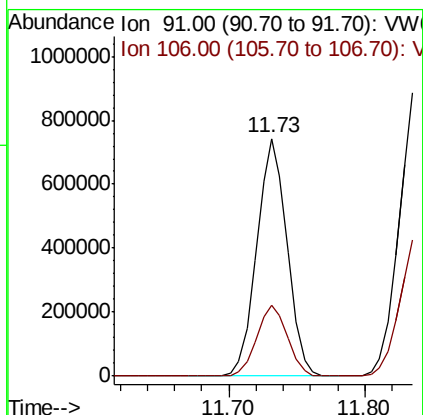
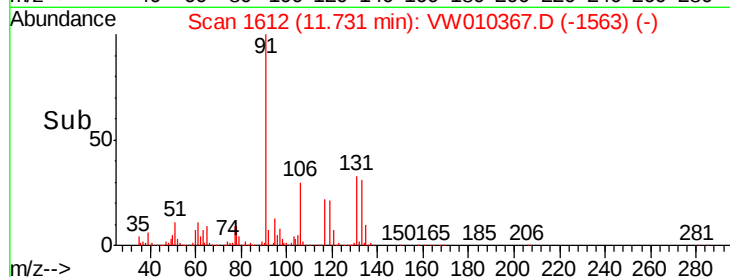
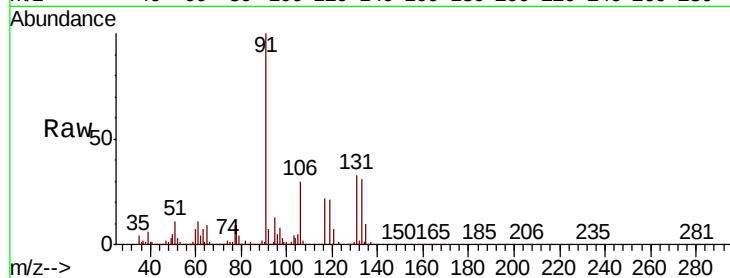
P026-SS006-0002-01MSD

Tgt Ion: 91 Resp: 1162327

Ion Ratio Lower Upper

91 100

106 29.9 23.8 35.8



#68

m/p-Xylenes

Concen: 110.134 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010367.D

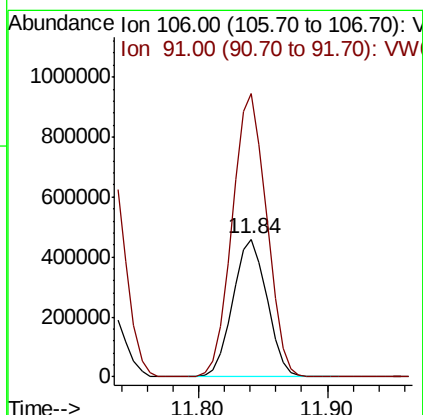
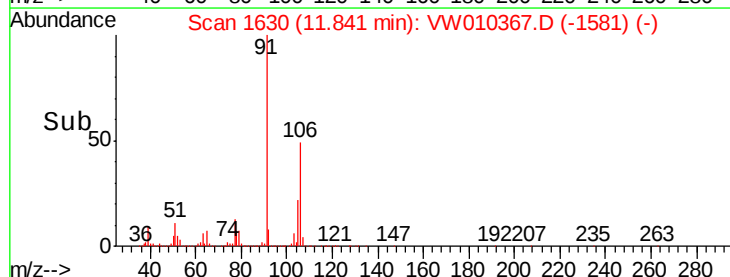
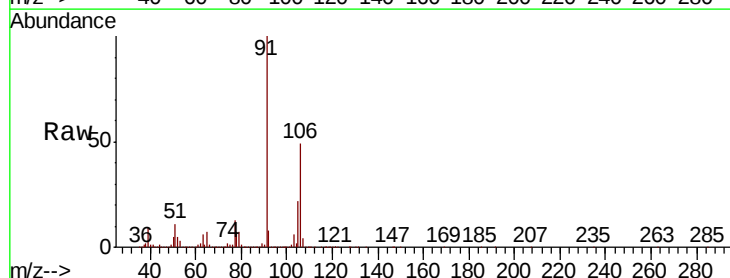
Acq: 10 May 2019 20:24

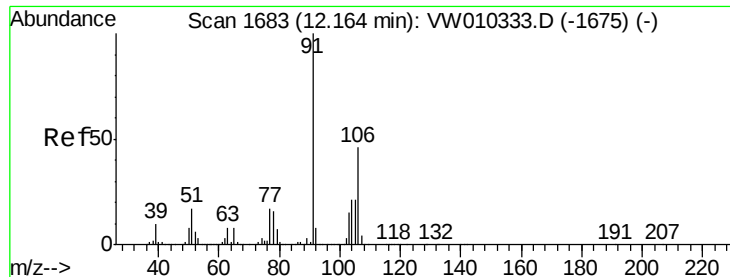
Tgt Ion: 106 Resp: 846114

Ion Ratio Lower Upper

106 100

91 206.6 165.0 247.6

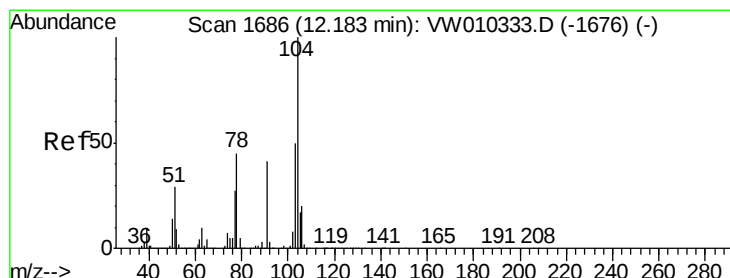
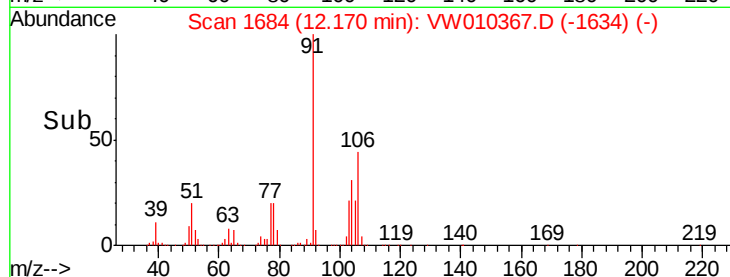
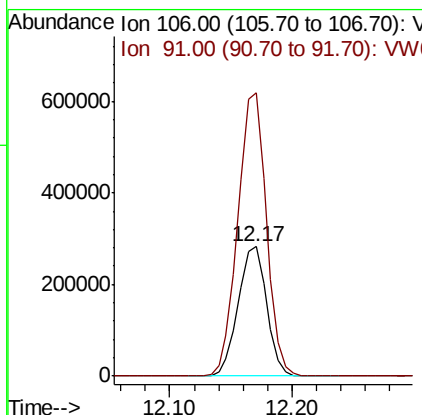
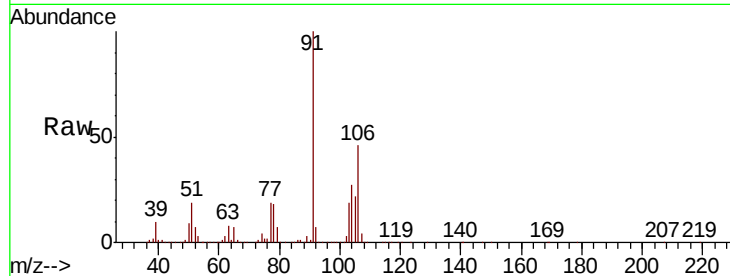




#69
o-Xylene
Concen: 65.714 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

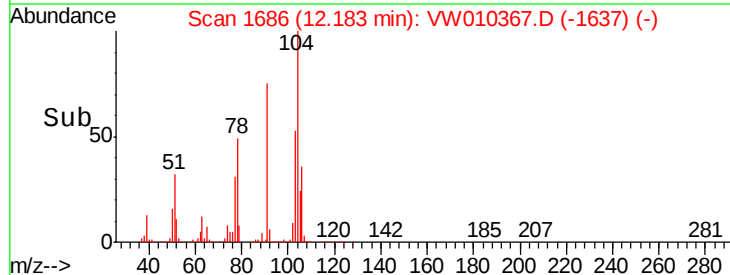
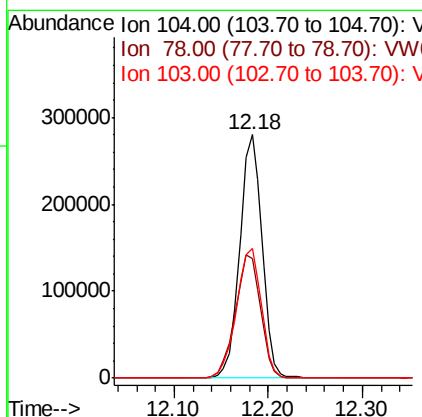
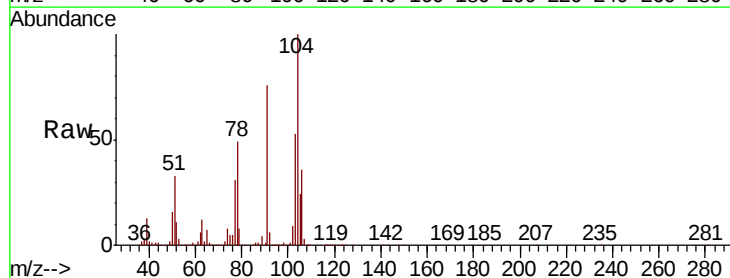
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0002-01MSD

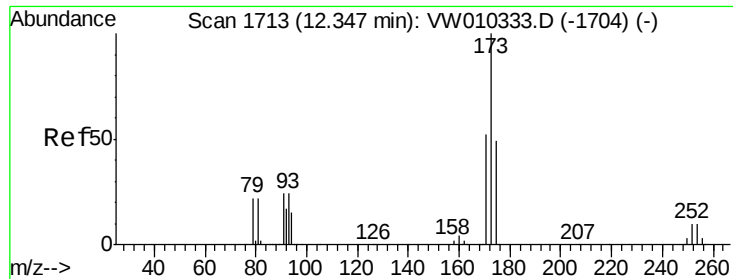
Tgt Ion:106 Resp: 456694
Ion Ratio Lower Upper
106 100
91 219.1 110.5 331.4



#70
Styrene
Concen: 38.171 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

Tgt Ion:104 Resp: 462224
Ion Ratio Lower Upper
104 100
78 57.2 42.5 63.7
103 59.5 43.6 65.4





#71

Bromoform

Concen: 74.280 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01MSD

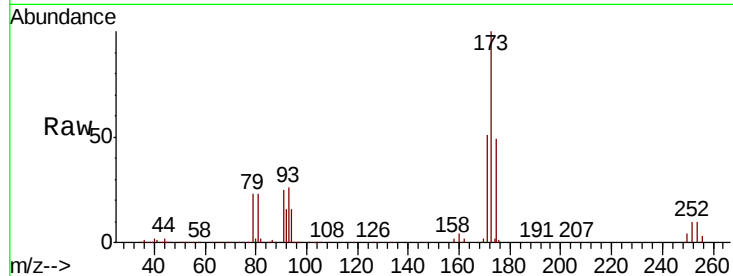
Tgt Ion:173 Resp: 161313

Ion Ratio Lower Upper

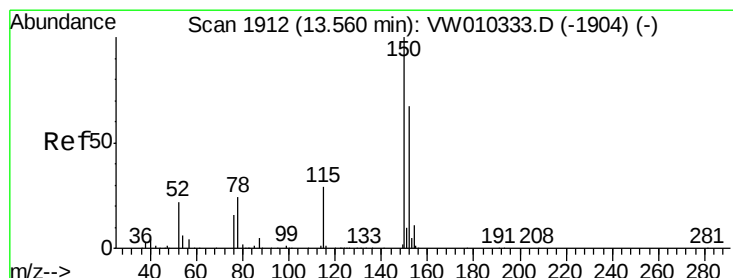
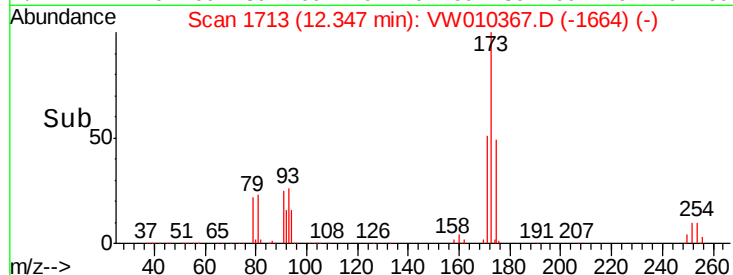
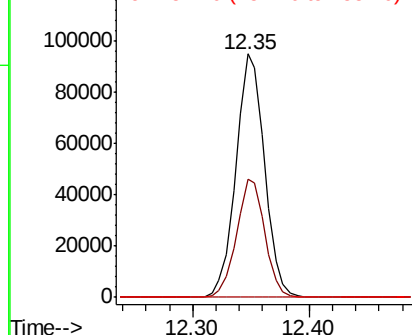
173 100

175 48.2 23.8 71.4

254 0.3 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: VW010367.D

Acq: 10 May 2019 20:24

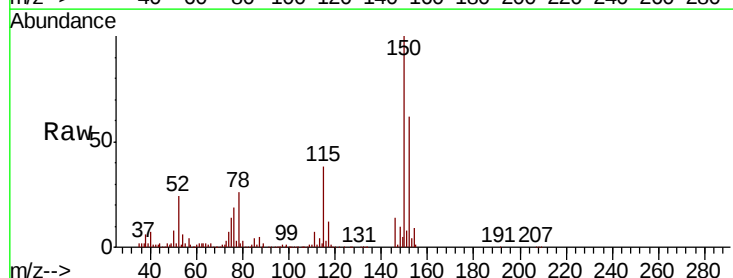
Tgt Ion:152 Resp: 105717

Ion Ratio Lower Upper

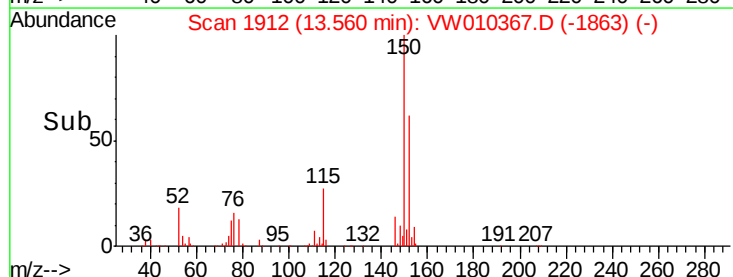
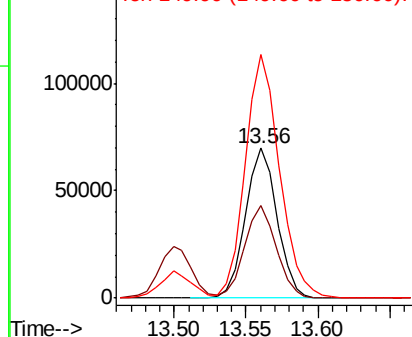
152 100

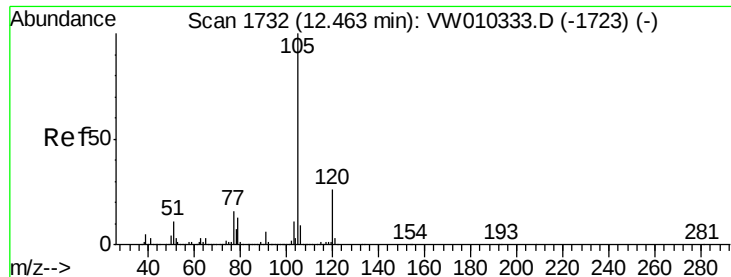
115 62.1 30.4 91.2

150 177.1 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: 129.213 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

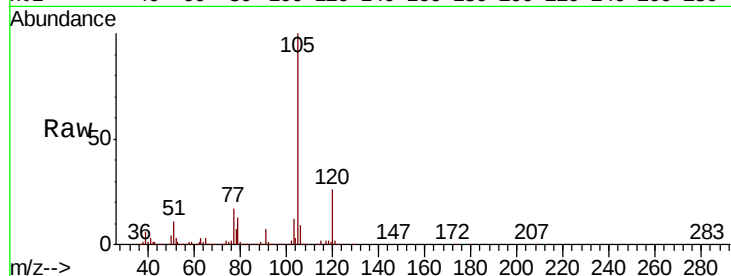
P026-SS006-0002-01MSD

Tgt Ion: 105 Resp: 995674

Ion Ratio Lower Upper

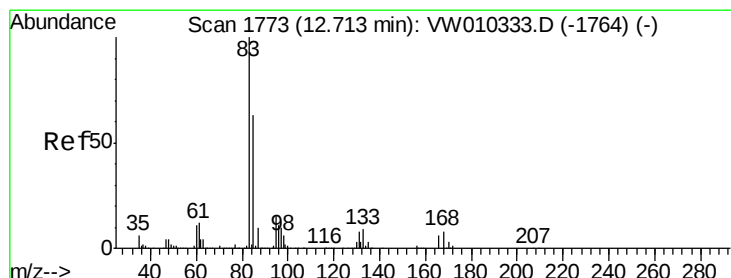
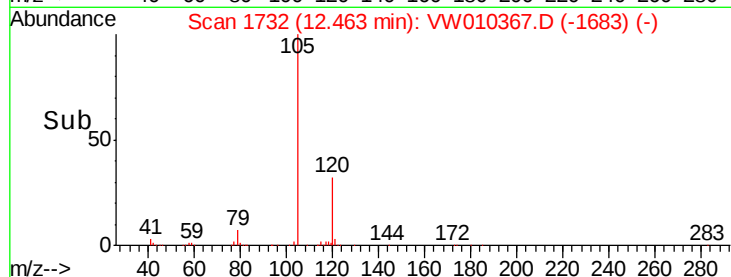
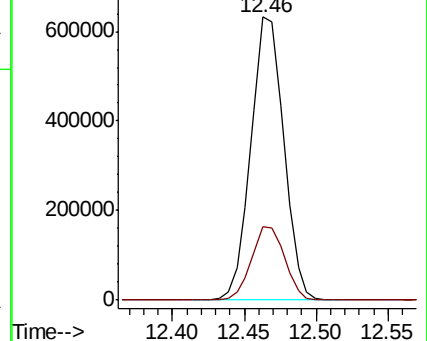
105 100

120 26.3 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: 230.912 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

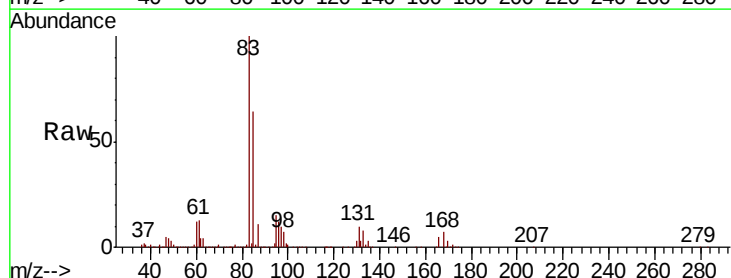
Tgt Ion: 83 Resp: 392053

Ion Ratio Lower Upper

83 100

131 9.6 5.3 15.8

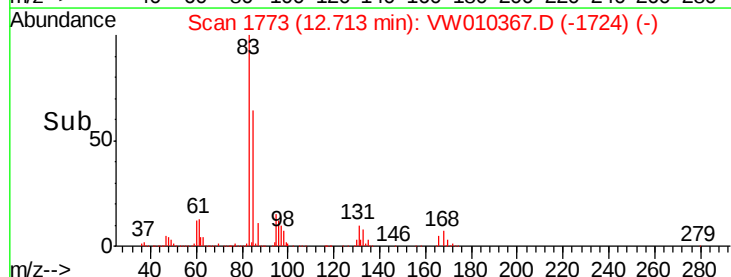
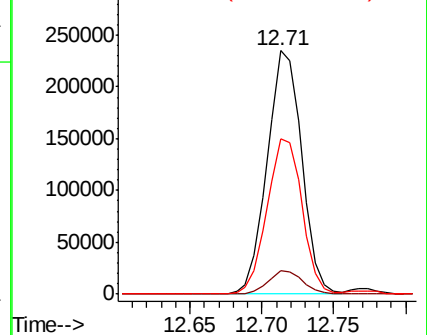
85 64.5 32.0 96.2

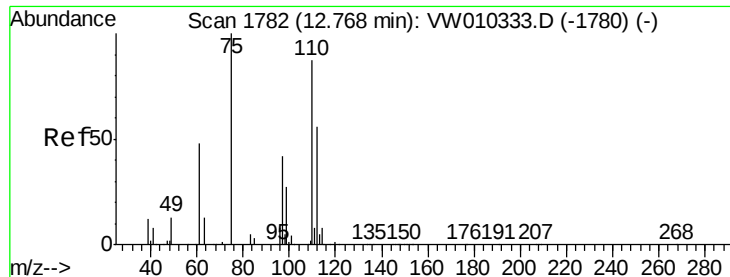


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 291.879 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

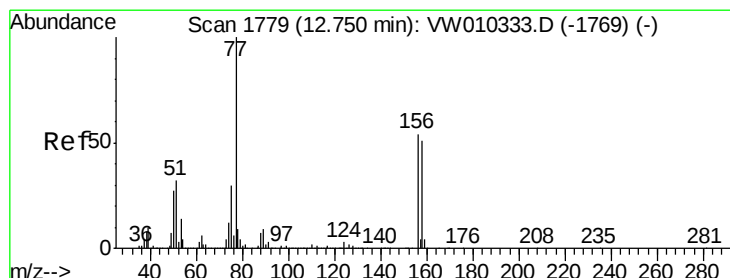
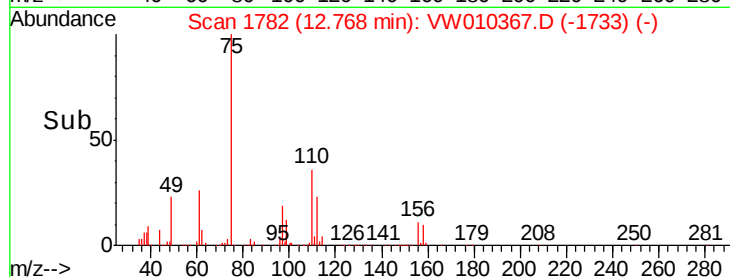
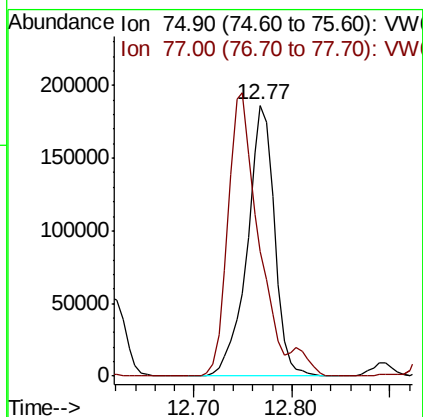
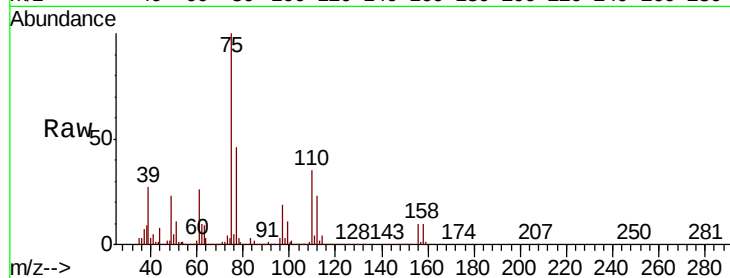
P026-SS006-0002-01MSD

Tgt Ion: 75 Resp: 359762

Ion Ratio Lower Upper

75 100

77 116.9 0.0 0.0#



#77

Bromobenzene

Concen: 98.334 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

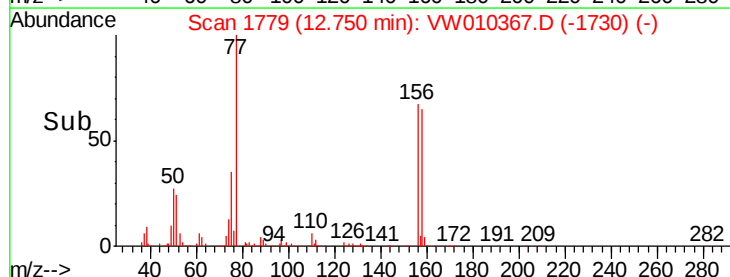
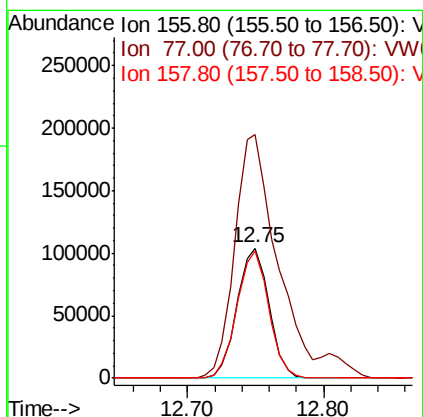
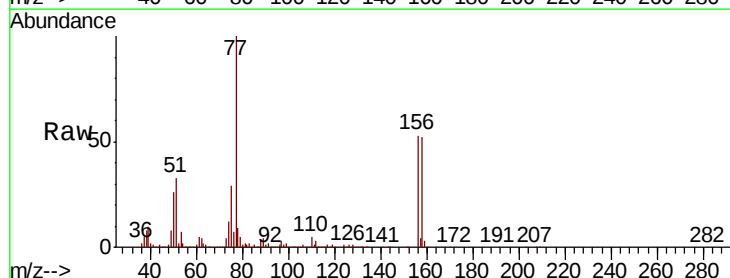
Tgt Ion: 156 Resp: 171093

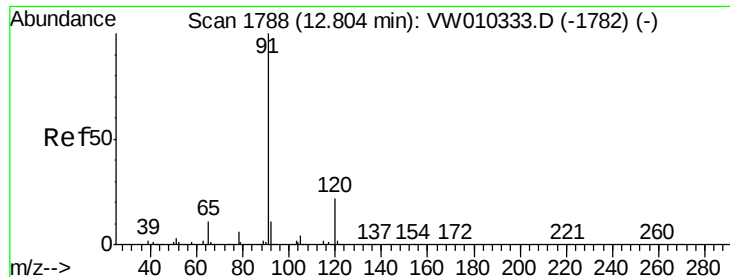
Ion Ratio Lower Upper

156 100

77 245.8 102.5 307.4

158 96.9 48.8 146.4





#78

n-propylbenzene

Concen: 74.873 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

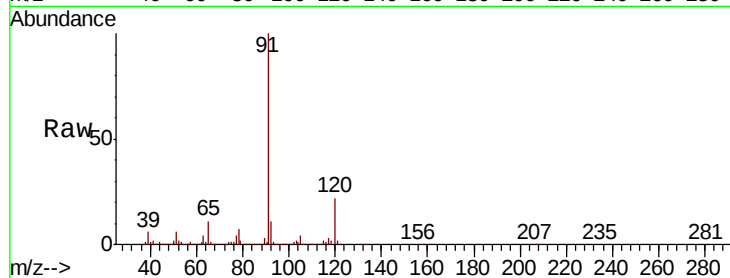
P026-SS006-0002-01MSD

Tgt Ion: 91 Resp: 712579

Ion Ratio Lower Upper

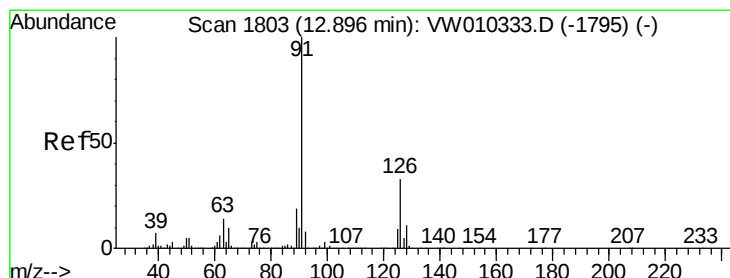
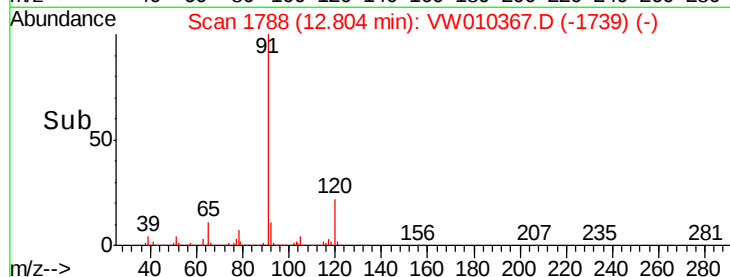
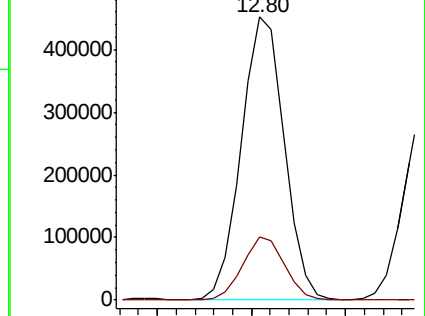
91 100

120 21.8 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: 97.511 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010367.D

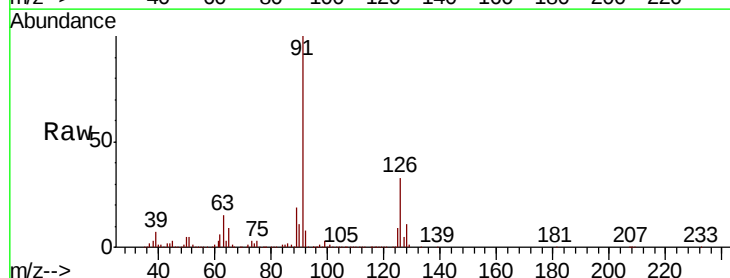
Acq: 10 May 2019 20:24

Tgt Ion: 91 Resp: 528499

Ion Ratio Lower Upper

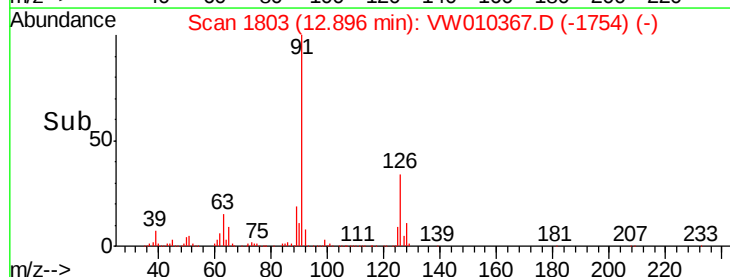
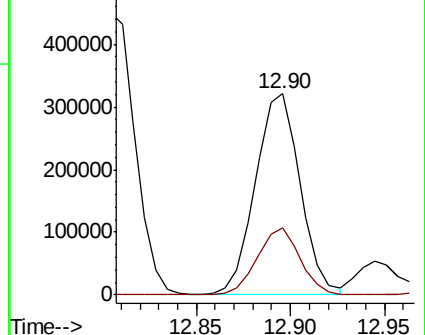
91 100

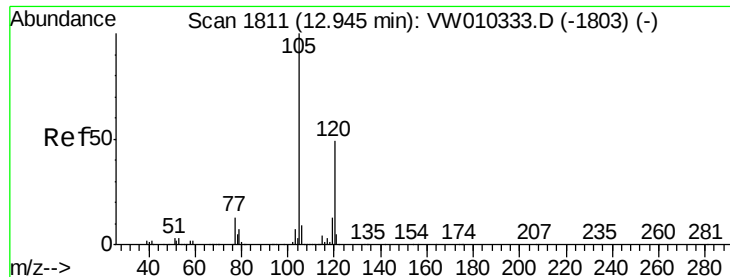
126 31.9 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

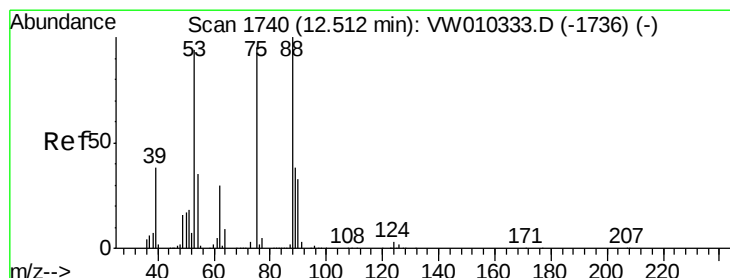
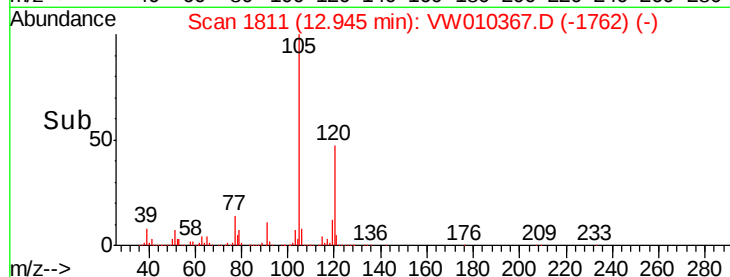
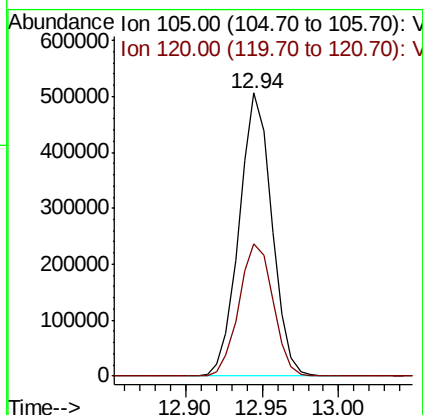
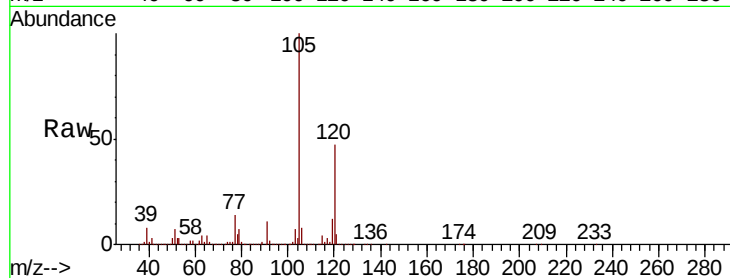




#80
 1,3,5-Trimethylbenzene
 Concen: 115.180 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

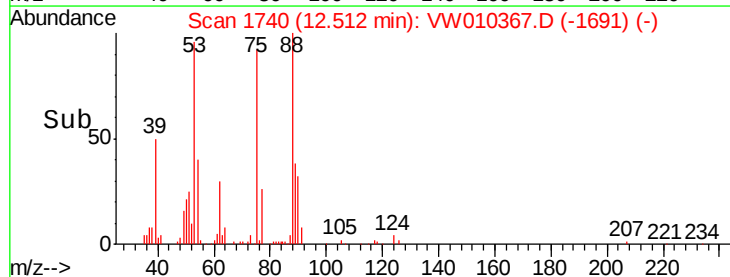
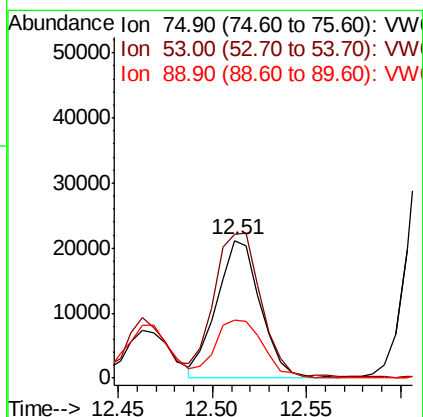
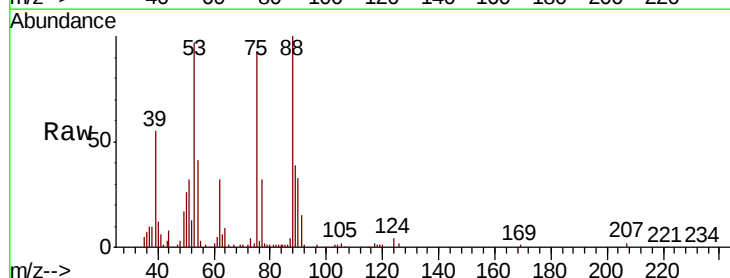
Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0002-01MSD

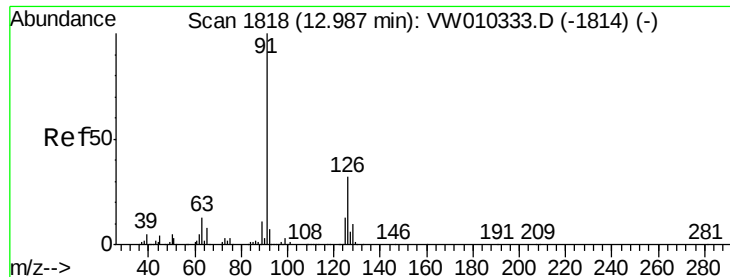
Tgt Ion: 105 Resp: 748244
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.100 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

Tgt Ion: 75 Resp: 33894
 Ion Ratio Lower Upper
 75 100
 53 112.5 89.8 134.8
 89 46.8 36.6 54.8

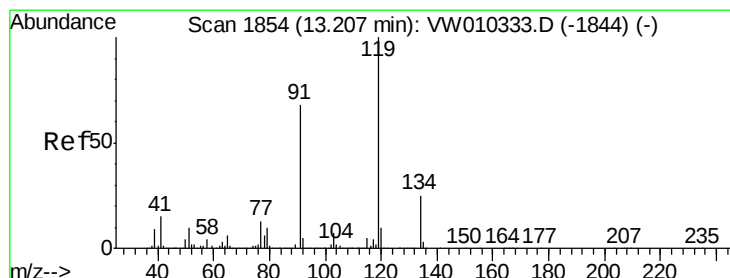
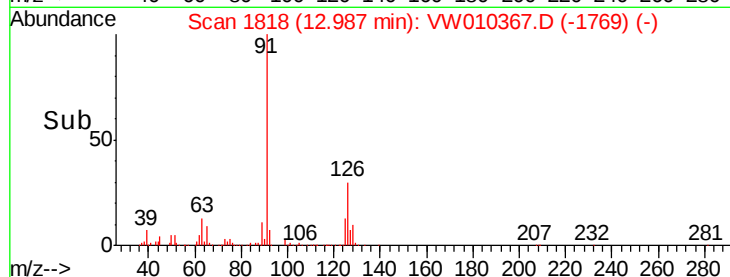
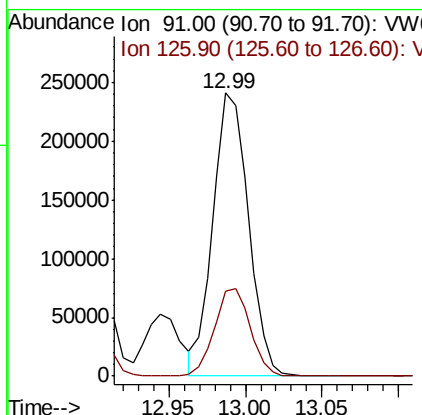
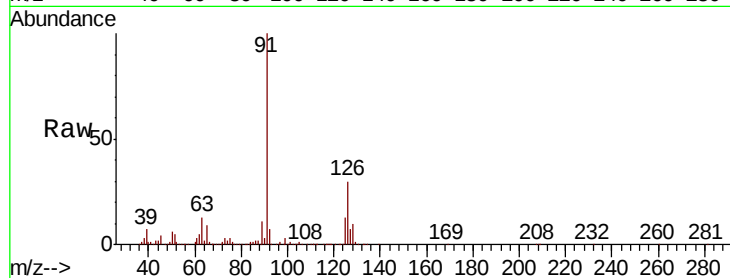




#82
4-Chlorotoluene
Concen: 68.388 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

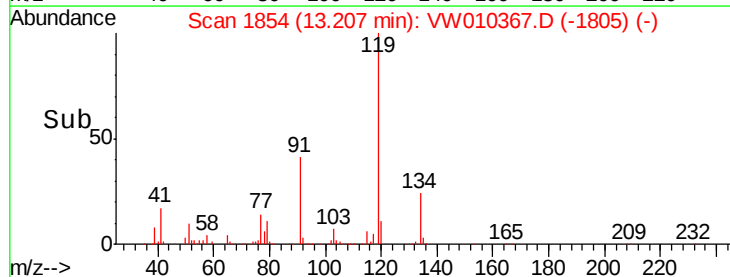
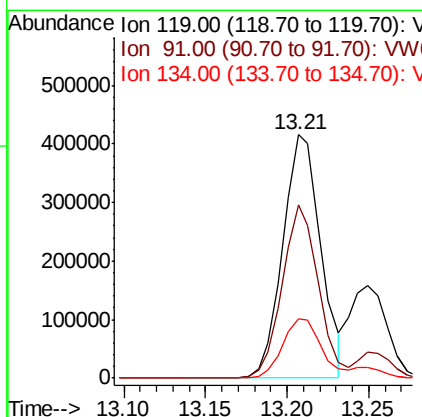
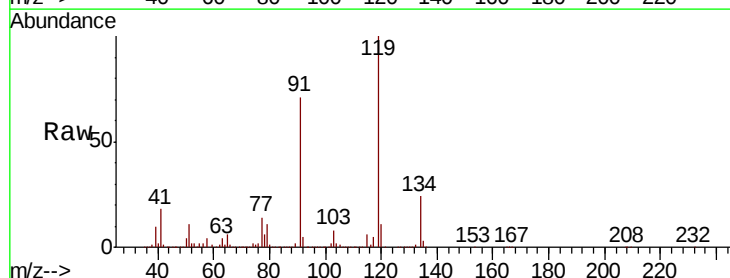
Instrument :
MSVOA_W
ClientSampleId :
P026-SS006-0002-01MSD

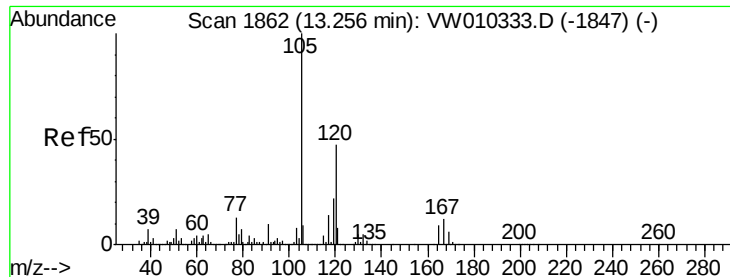
Tgt Ion: 91 Resp: 388357
Ion Ratio Lower Upper
91 100
126 31.6 16.4 49.1



#83
tert-Butylbenzene
Concen: 124.173 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010367.D
Acq: 10 May 2019 20:24

Tgt Ion: 119 Resp: 672831
Ion Ratio Lower Upper
119 100
91 67.8 34.8 104.4
134 25.2 13.7 41.1

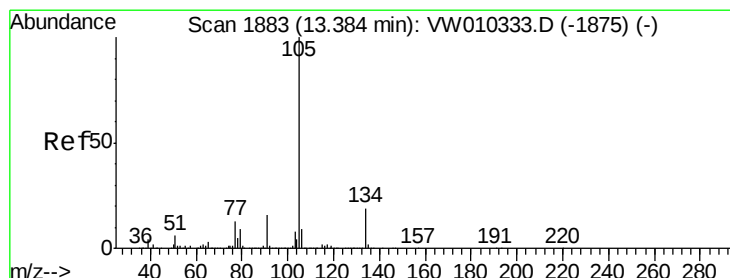
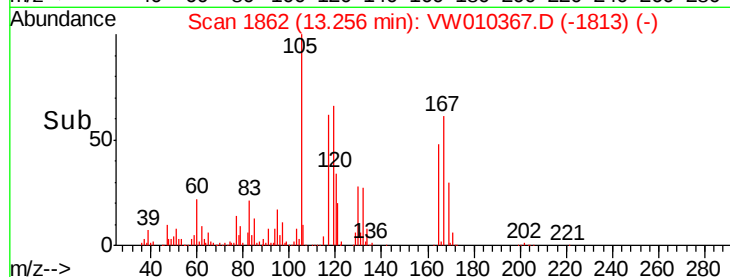
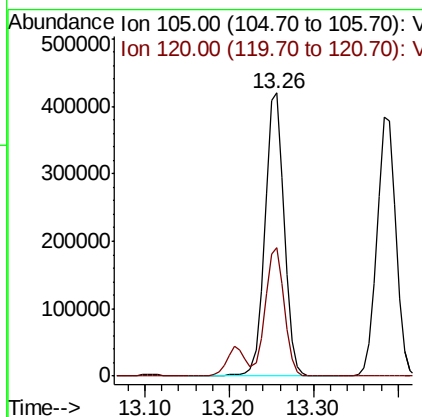
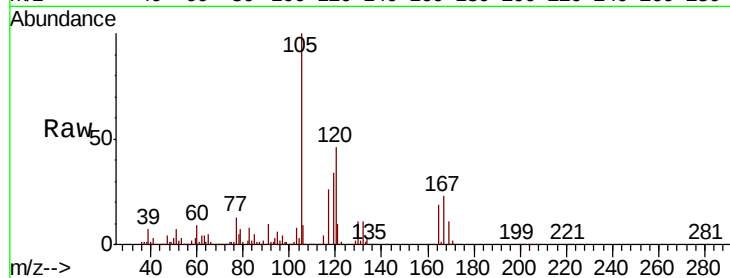




#84
 1,2,4-Trimethylbenzene
 Concen: 102.566 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

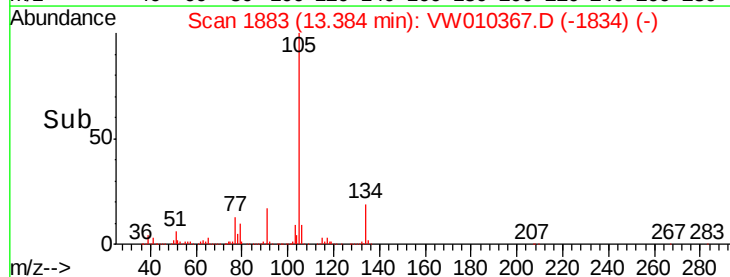
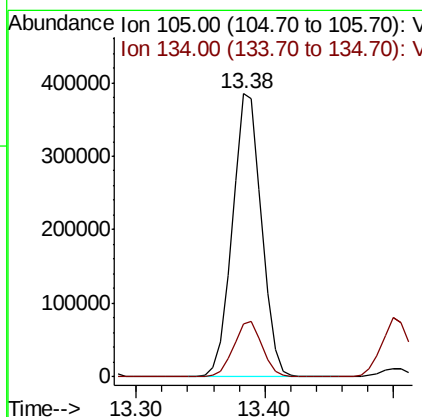
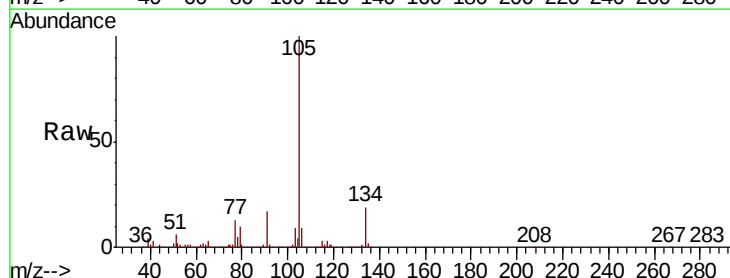
Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0002-01MSD

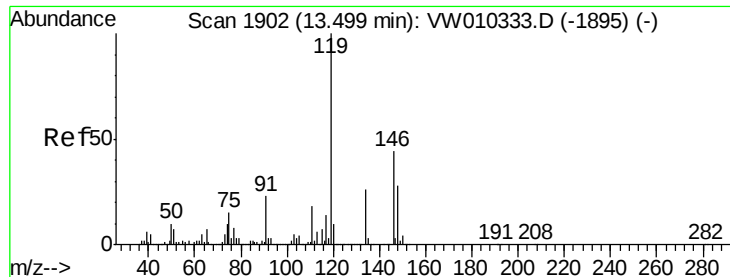
Tgt Ion:105 Resp: 662109
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.6 67.7



#85
 sec-Butylbenzene
 Concen: 75.304 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

Tgt Ion:105 Resp: 602357
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5

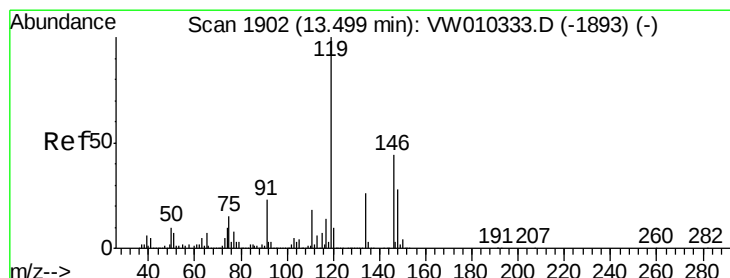
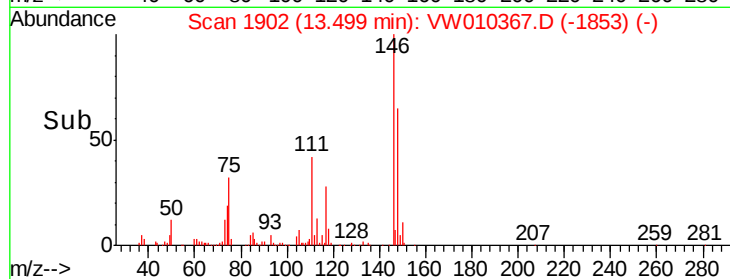
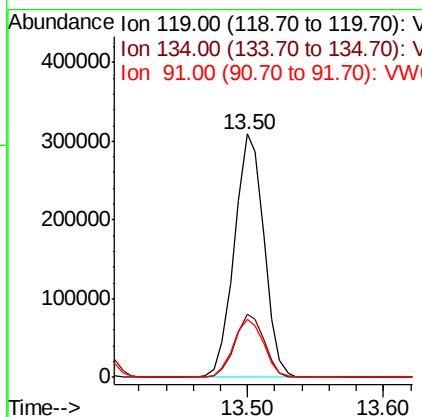
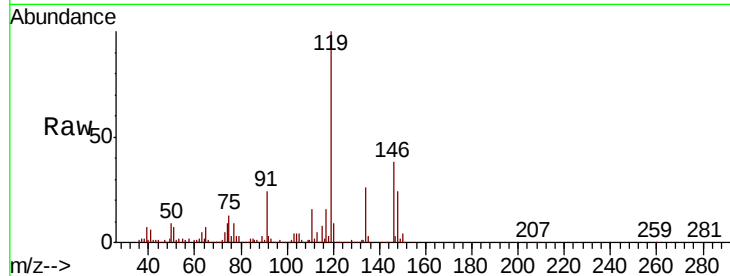




#86
 p-Isopropyltoluene
 Concen: 65.648 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

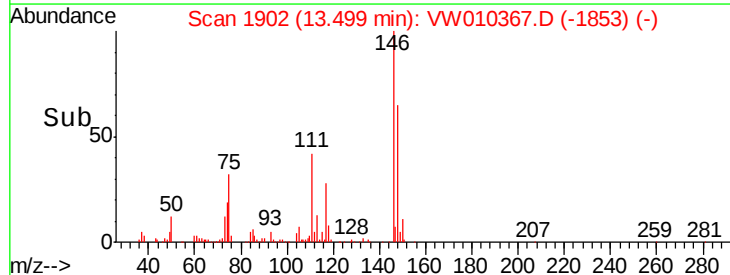
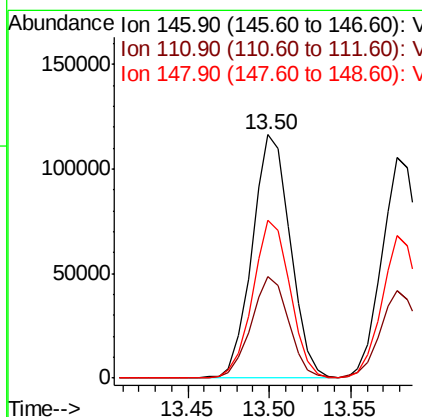
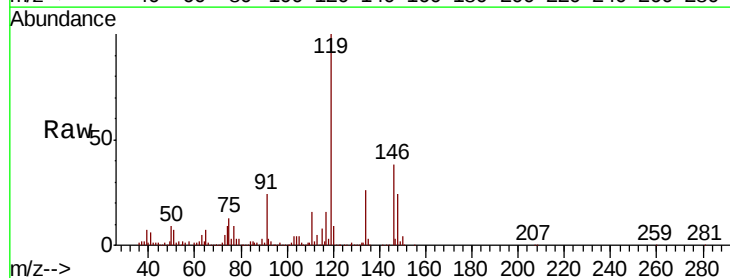
Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0002-01MSD

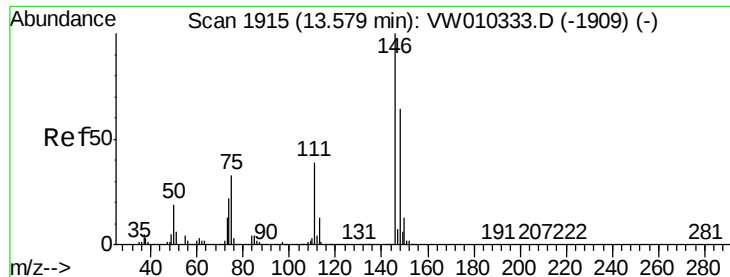
Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	24.4	12.3	36.9



#87
 1,3-Dichlorobenzene
 Concen: 54.524 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	61.0
148	63.7	32.0	96.2





#88

1,4-Dichlorobenzene

Concen: 50.050 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01MSD

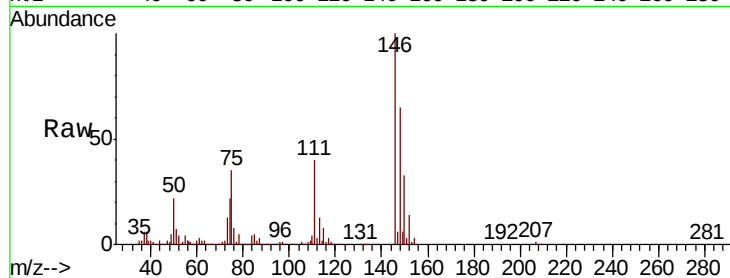
Tgt Ion: 146 Resp: 172566

Ion Ratio Lower Upper

146 100

111 40.3 20.1 60.3

148 63.3 31.8 95.3

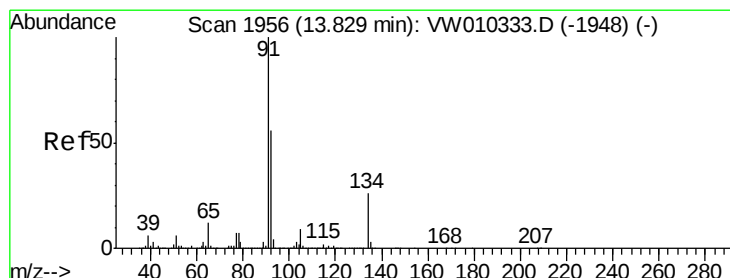
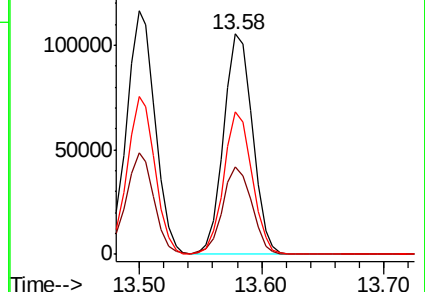
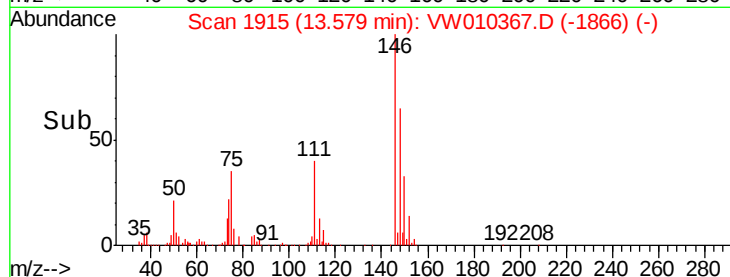


Abundance

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



#89

n-Butylbenzene

Concen: 25.708 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

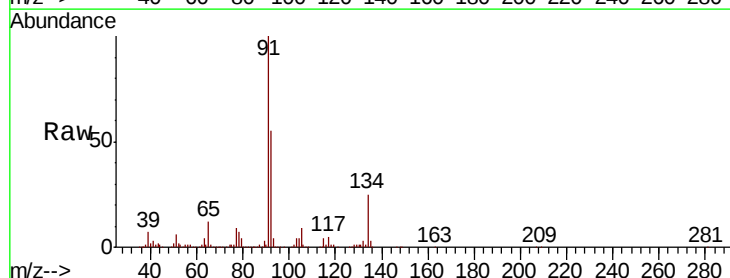
Tgt Ion: 91 Resp: 183070

Ion Ratio Lower Upper

91 100

92 52.6 26.5 79.4

134 23.1 12.4 37.0

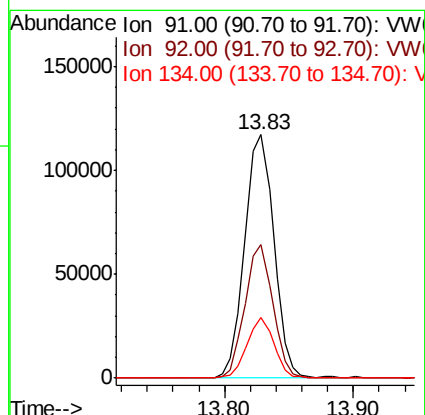
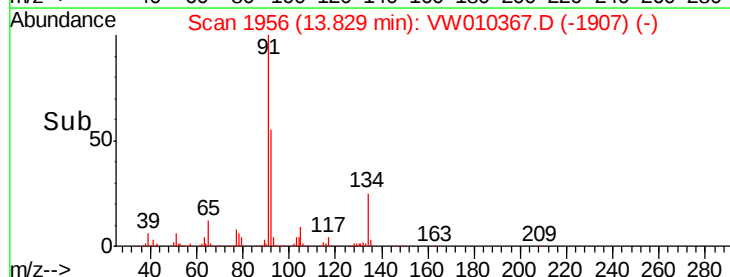


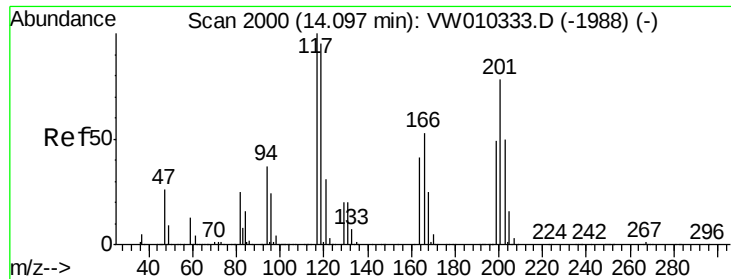
Abundance

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: 94.816 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

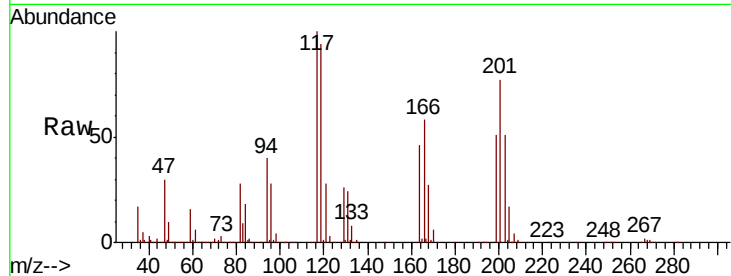
P026-SS006-0002-01MSD

Tgt Ion:117 Resp: 124898

Ion Ratio Lower Upper

117 100

201 78.1 36.1 108.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.10

80000

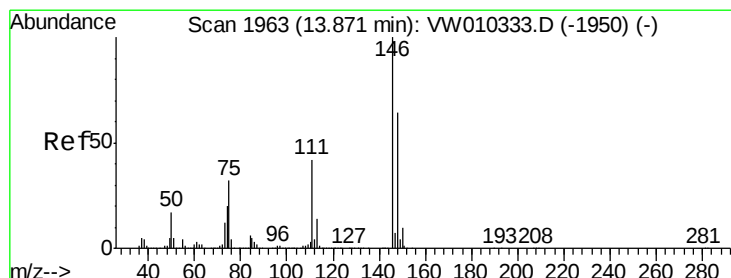
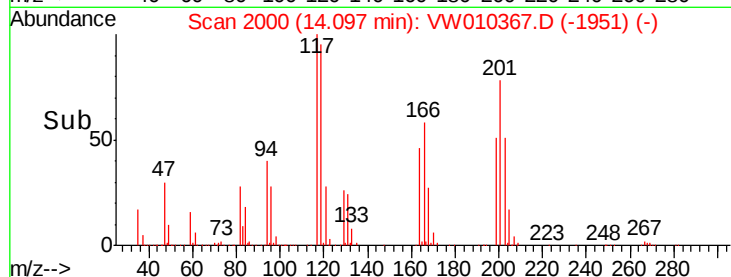
60000

40000

20000

0

Time--> 14.00 14.10



#91

1,2-Dichlorobenzene

Concen: 67.488 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

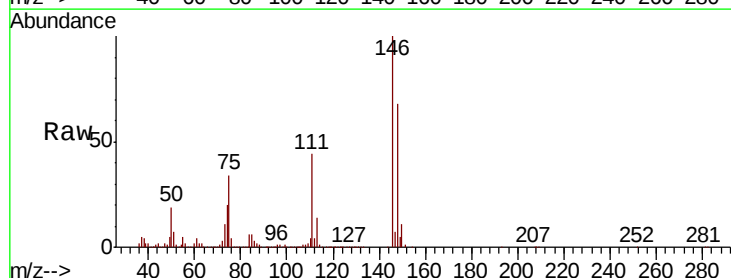
Tgt Ion:146 Resp: 207560

Ion Ratio Lower Upper

146 100

111 43.1 20.9 62.8

148 64.9 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

13.87

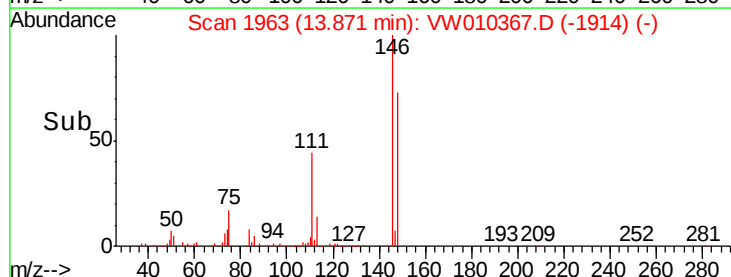
150000

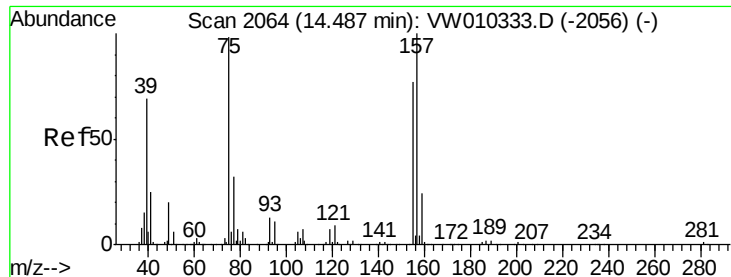
100000

50000

0

Time--> 13.80 13.90 14.00





#92

1,2-Dibromo-3-Chloropropane

Concen: 157.430 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01MSD

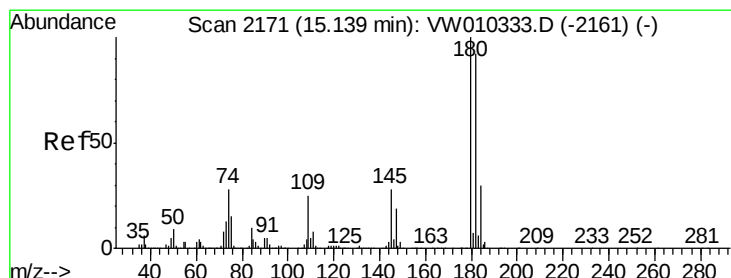
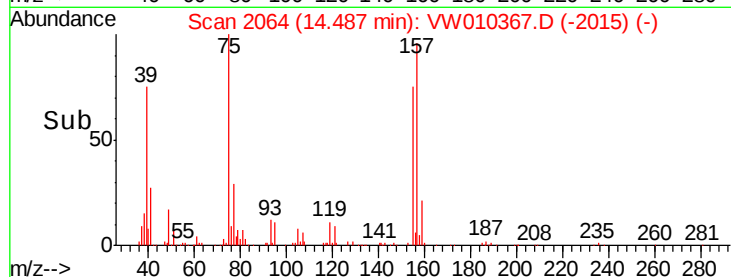
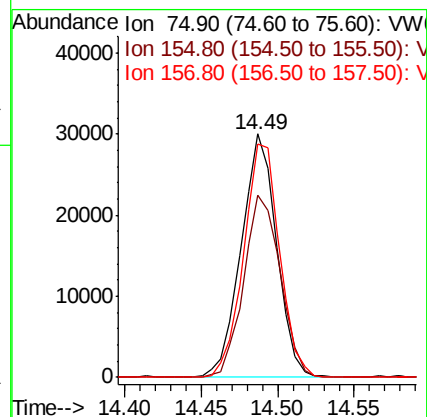
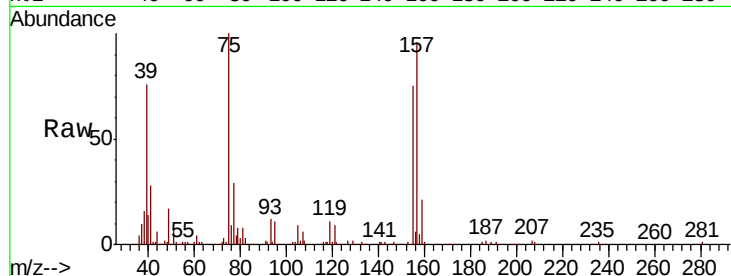
Tgt Ion: 75 Resp: 48133

Ion Ratio Lower Upper

75 100

155 77.3 37.1 111.5

157 97.7 47.3 141.9



#93

1,2,4-Trichlorobenzene

Concen: 18.620 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

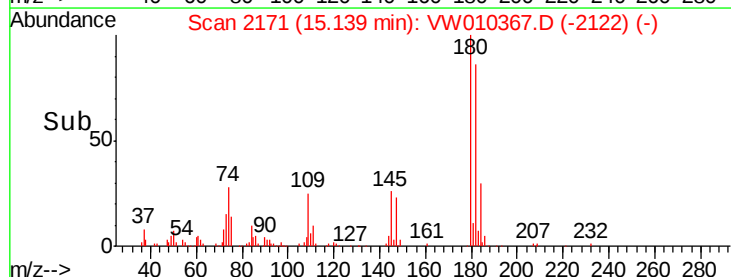
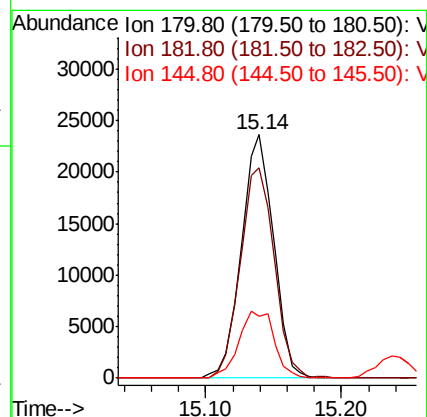
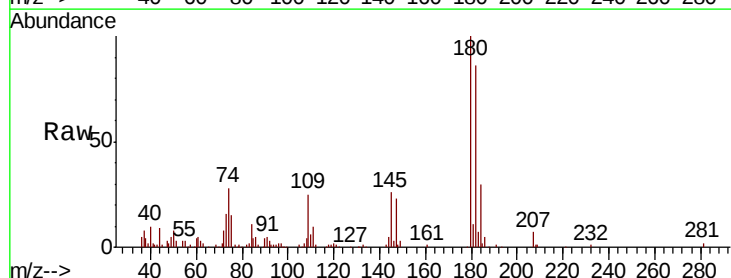
Tgt Ion: 180 Resp: 39083

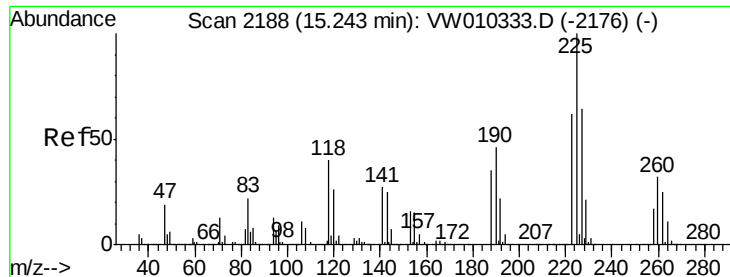
Ion Ratio Lower Upper

180 100

182 91.2 47.1 141.4

145 30.1 15.2 45.6





#94

Hexachlorobutadiene

Concen: 28.483 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

P026-SS006-0002-01MSD

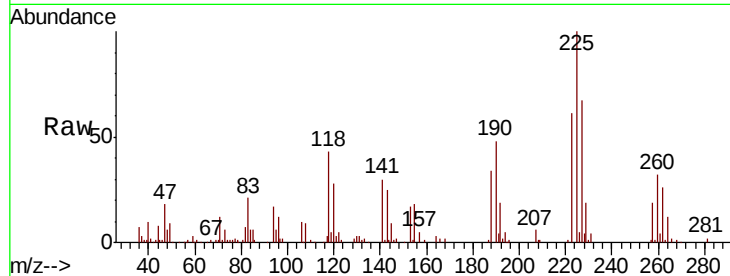
Tgt Ion:225 Resp: 38328

Ion Ratio Lower Upper

225 100

223 61.1 31.9 95.5

227 64.1 31.8 95.3

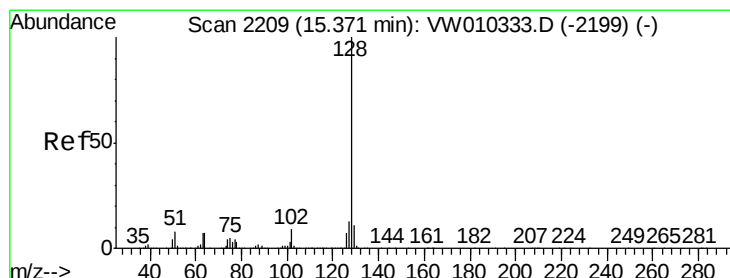
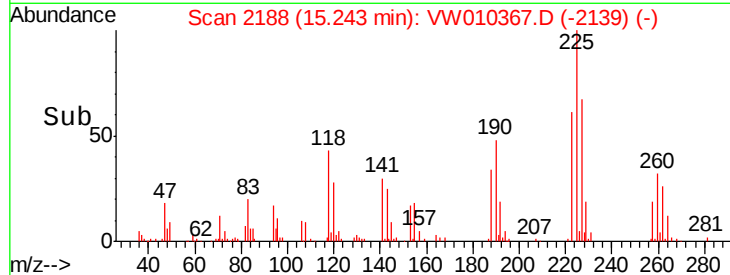
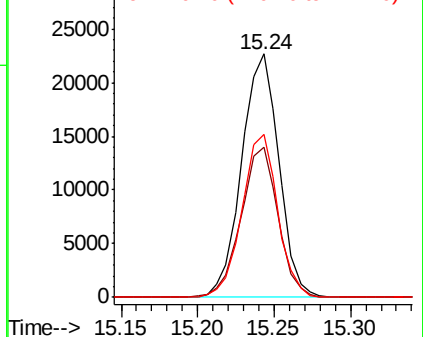


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 29.595 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010367.D

Acq: 10 May 2019 20:24

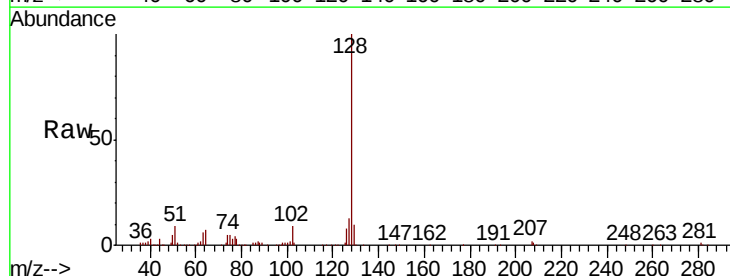
Tgt Ion:128 Resp: 134337

Ion Ratio Lower Upper

128 100

127 14.2 10.6 15.8

129 11.0 8.7 13.1

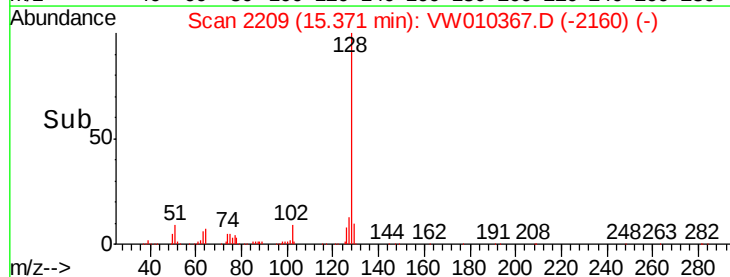
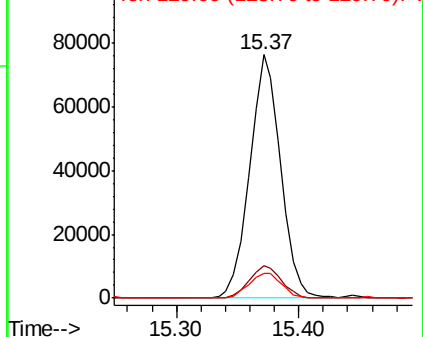


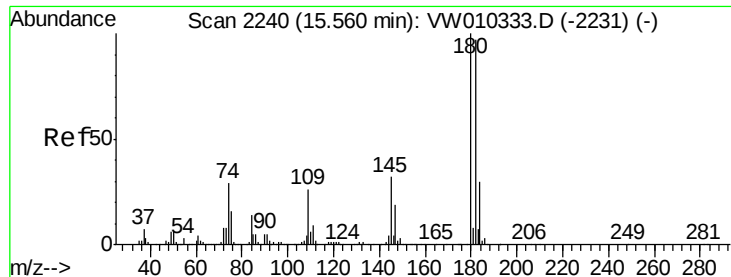
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

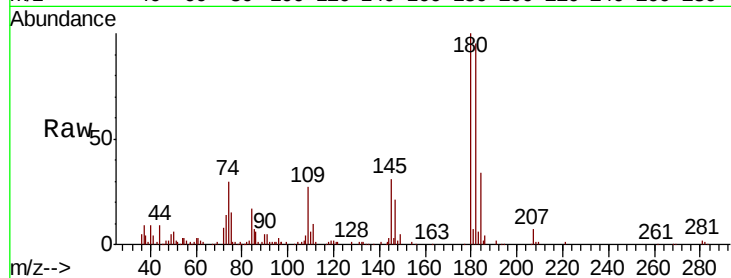




#96
 1,2,3-Trichlorobenzene
 Concen: 23.064 ug/l
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW010367.D
 Acq: 10 May 2019 20:24

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS006-0002-01MSD

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	31.2	16.4	49.2



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

