

Data File : VV009510.D
Acq On : 06 Mar 2019 10:02
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB70

Quant Time: Mar 07 02:48:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 06 04:12:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	173845	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	165245	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81525	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51587	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.60%
7) Chloroethane-d5	1.58	69	84128	27.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.20%
10) 1,1-Dichloroethene-d2	2.13	63	136522	25.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.28%
20) 2-Butanone-d5	3.94	46	25531	35.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.60%
24) Chloroform-d	4.40	84	104205	25.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.64%
26) 1,2-Dichloroethane-d4	5.08	65	58155	24.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.72%
29) Benzene-d6	5.10	84	209155	25.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.24%
33) 1,2-Dichloropropane-d6	6.12	67	61418	25.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.72%
37) Toluene-d8	7.36	98	207200	25.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.88%
38) trans-1,3-Dichloropropene-	7.66	79	27680	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.60%
39) 2-Hexanone-d5	8.14	63	19821	35.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.32%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	54447	21.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	73541	24.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	51946	25.951 ug/L	99
3) Chloromethane	1.25	50	54738	25.659 ug/L	99
5) Vinyl chloride	1.32	62	60421	25.690 ug/L	99
6) Bromomethane	1.53	94	80550	27.511 ug/L	99
8) Chloroethane	1.59	64	65942	25.231 ug/L	100
9) Trichlorofluoromethane	1.77	101	126192	26.156 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	71583	26.498 ug/L	96
12) 1,1-Dichloroethene	2.14	96	59093	25.567 ug/L	88
13) Acetone	2.20	43	27173	37.478 ug/L	97
14) Carbon disulfide	2.32	76	150373	25.668 ug/L	99
15) Methyl Acetate	2.46	43	20656	17.593 ug/L	95
16) Methylene chloride	2.53	84	53849	23.602 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	125351	24.219 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	54860	26.425 ug/L	98
19) 1,1-Dichloroethane	3.23	63	97471	26.645 ug/L	99
21) 2-Butanone	4.03	43	30687	33.536 ug/L	74
22) cis-1,2-Dichloroethene	3.96	96	63929	27.276 ug/L	97

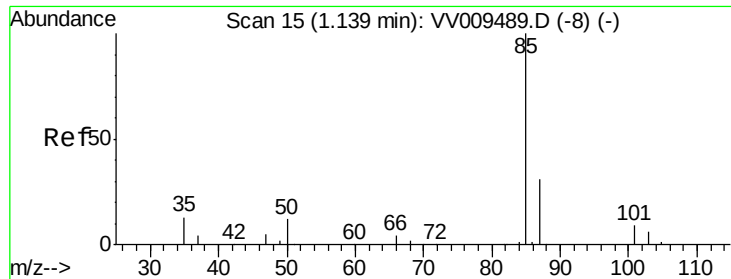
Data File : VV009510.D
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Quant Title : VOC Analysis
QLast Update : Wed Mar 06 04:12:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	26502	24.523	ug/L	96
25) Chloroform	4.42	83	109770	26.889	ug/L	98
27) 1,2-Dichloroethane	5.18	62	70425	24.839	ug/L	98
30) Cyclohexane	4.72	56	93825	26.754	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	97572	26.413	ug/L	100
32) Carbon tetrachloride	4.87	117	84480	27.051	ug/L	99
34) Benzene	5.15	78	228660	26.780	ug/L	100
35) Trichloroethene	5.96	95	63284	25.790	ug/L	97
36) Methylcyclohexane	6.17	83	104953	26.255	ug/L	98
40) 1,2-Dichloropropane	6.22	63	56034	25.452	ug/L	98
41) Bromodichloromethane	6.55	83	80637	27.136	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	92043	26.930	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	65274	37.611	ug/L	98
44) Toluene	7.43	91	259086	26.844	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	76782	25.722	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	44592	24.380	ug/L	97
47) Tetrachloroethene	8.02	164	49099	26.380	ug/L	96
49) 2-Hexanone	8.19	43	46681	35.571	ug/L	100
50) Dibromochloromethane	8.29	129	54876	24.781	ug/L	98
51) 1,2-Dibromoethane	8.40	107	43461	22.998	ug/L	99
52) Chlorobenzene	8.92	112	170050	26.581	ug/L	99
53) Ethylbenzene	9.05	91	292923	26.522	ug/L	97
54) m,p-Xylene	9.18	106	112621	26.942	ug/L	99
55) o-xylene	9.59	106	110309	27.367	ug/L	93
56) Styrene	9.60	104	180199	27.174	ug/L	99
57) Isopropylbenzene	9.97	105	297776	26.784	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	57004	22.071	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	38598	20.732	ug/L	99
62) Bromoform	9.77	173	30031	22.700	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	128968	25.326	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	130366	25.052	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	123570	26.020	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8827	18.557	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	95668	26.191	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	74409	25.443	ug/L	99
69) Naphthalene	13.55	128	125804	20.423	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	65050	24.178	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 25.951 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

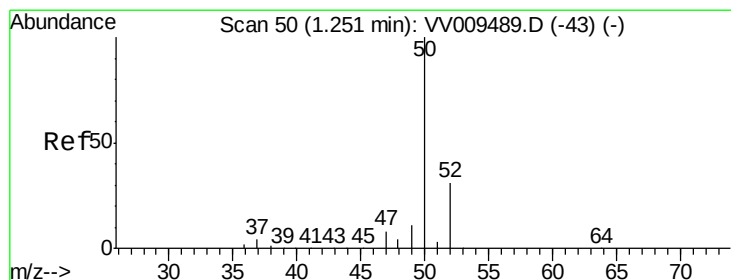
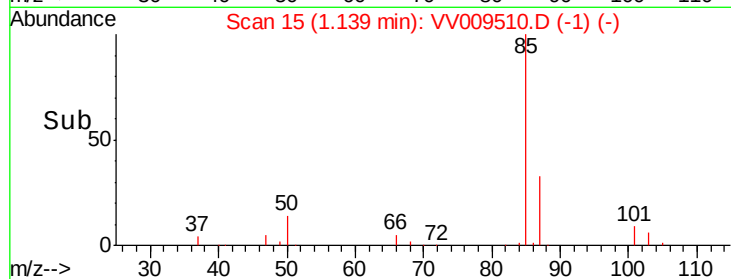
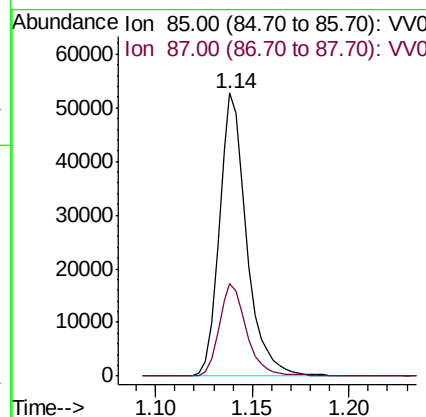
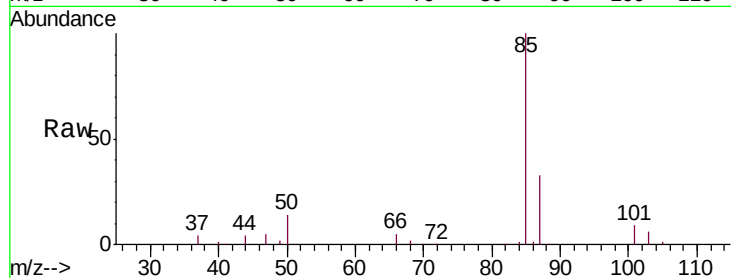
BFB70

Tgt Ion: 85 Resp: 51946

Ion Ratio Lower Upper

85 100

87 32.8 23.4 43.4



#3

Chloromethane

Concen: 25.659 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009510.D

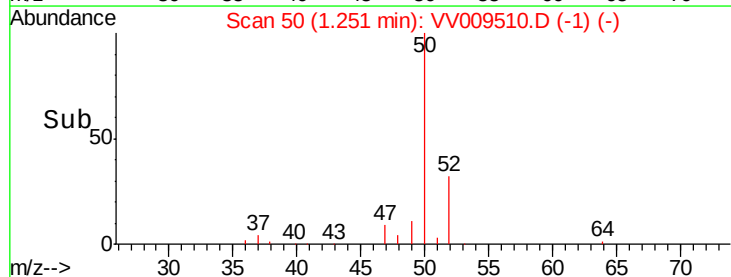
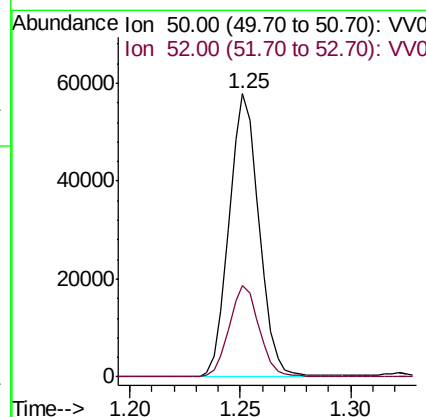
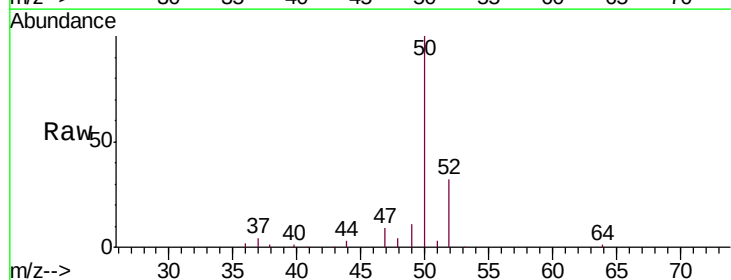
Acq: 06 Mar 2019 10:02

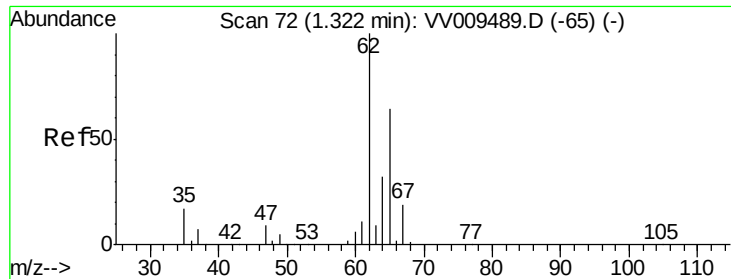
Tgt Ion: 50 Resp: 54738

Ion Ratio Lower Upper

50 100

52 32.2 23.1 42.9





#5

Vinyl chloride

Concen: 25.690 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

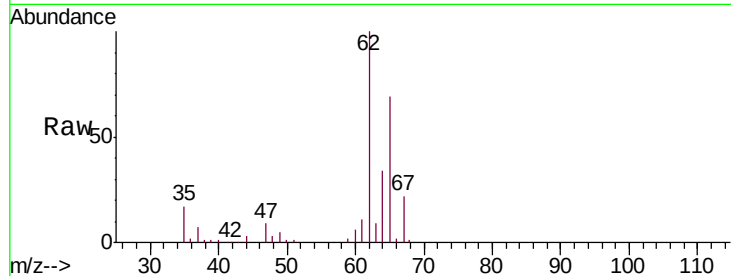
BFB70

Tgt Ion: 62 Resp: 60421

Ion Ratio Lower Upper

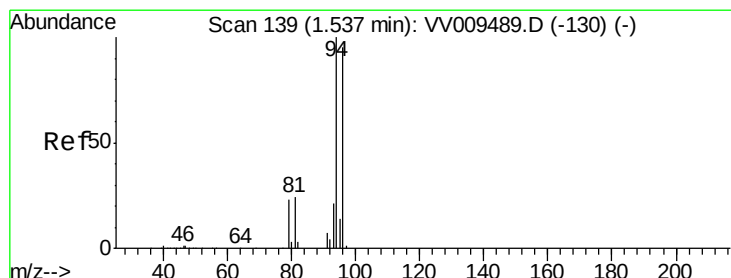
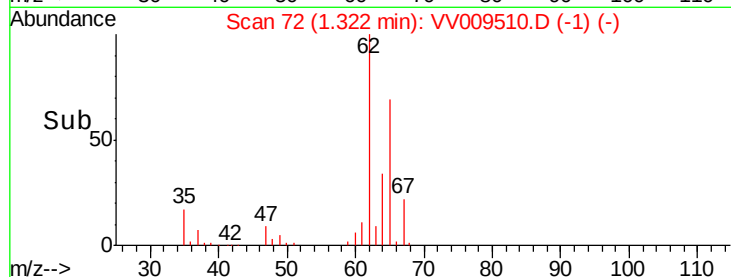
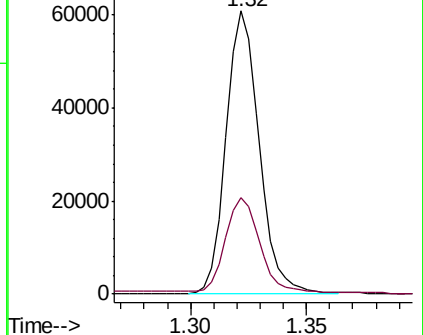
62 100

64 34.3 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV009489.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009489.D (-65) (-)



#6

Bromomethane

Concen: 27.511 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.01 min

Lab File: VV009510.D

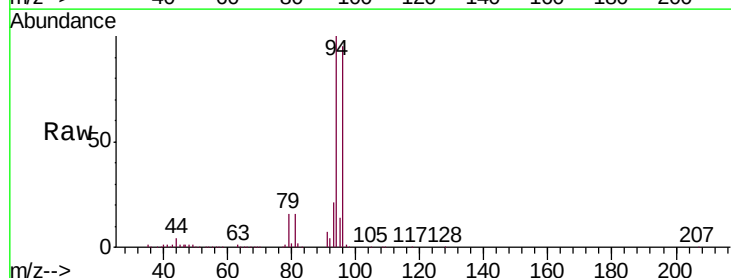
Acq: 06 Mar 2019 10:02

Tgt Ion: 94 Resp: 80550

Ion Ratio Lower Upper

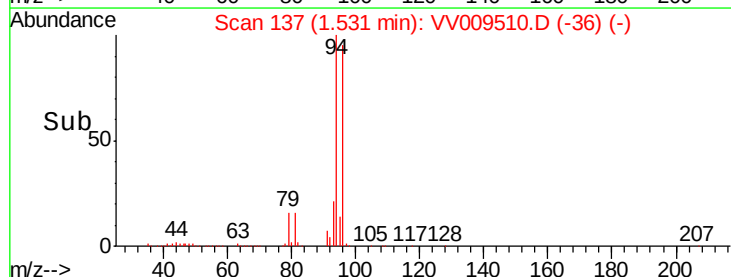
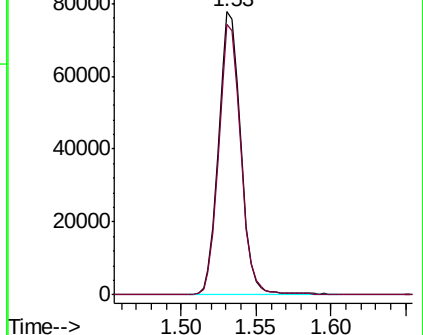
94 100

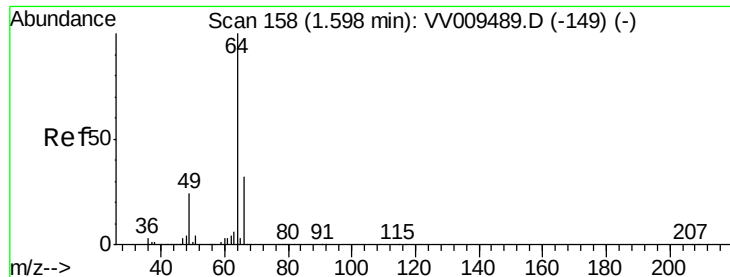
96 94.5 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV009489.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009489.D (-130) (-)





#8

Chloroethane

Concen: 25.231 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

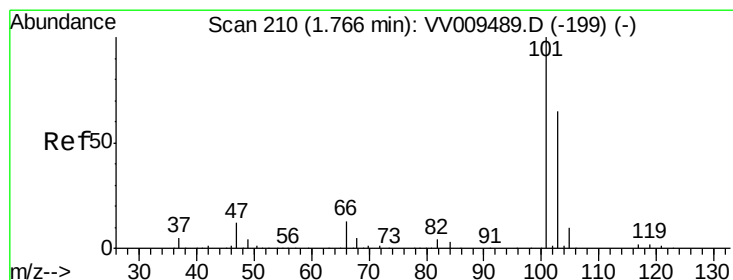
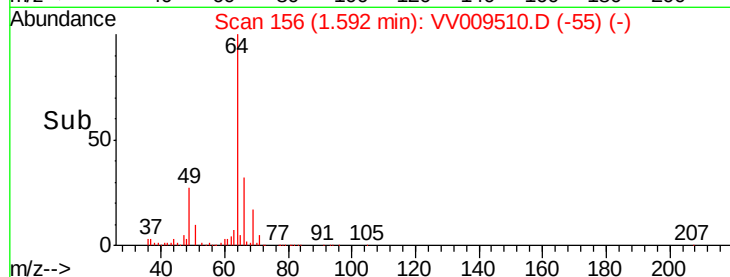
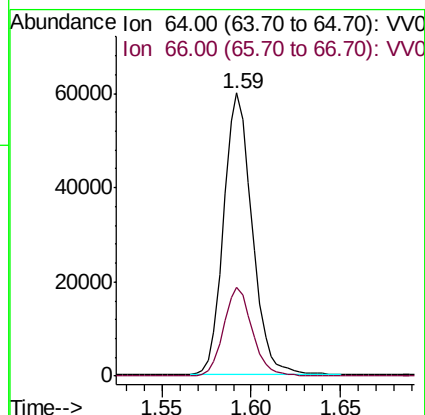
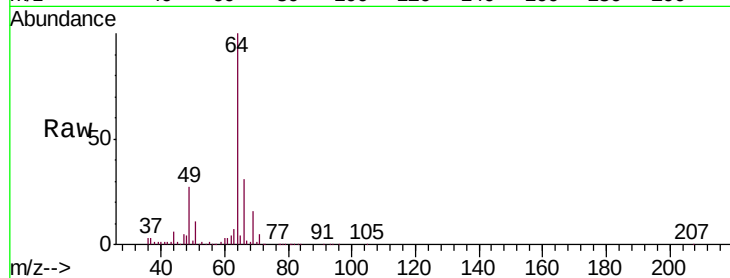
BFB70

Tgt Ion: 64 Resp: 65942

Ion Ratio Lower Upper

64 100

66 31.5 21.8 40.6



#9

Trichlorofluoromethane

Concen: 26.156 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV009510.D

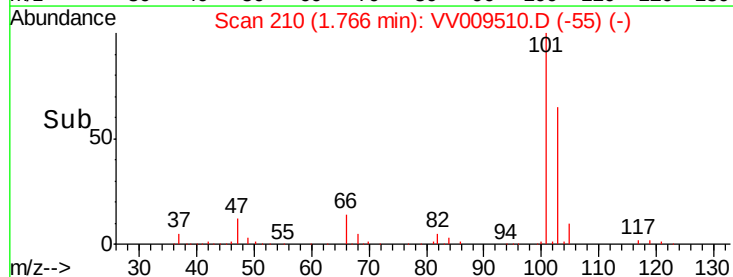
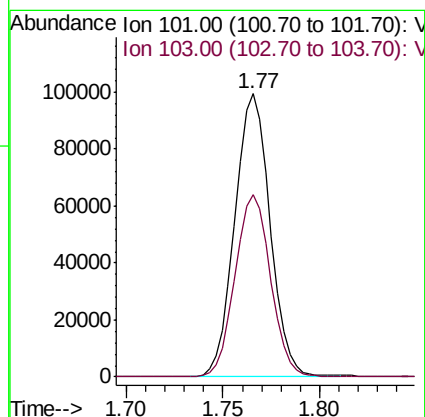
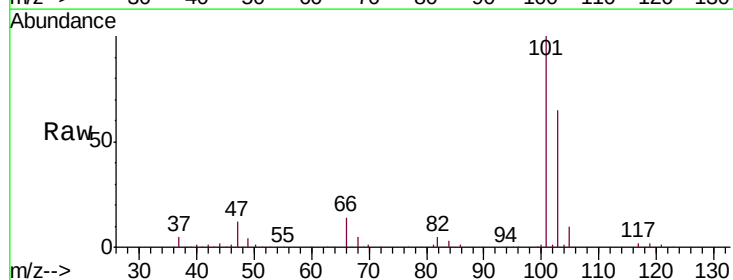
Acq: 06 Mar 2019 10:02

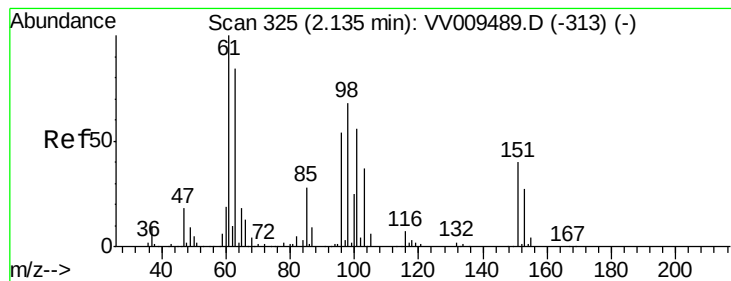
Tgt Ion: 101 Resp: 126192

Ion Ratio Lower Upper

101 100

103 64.7 44.7 83.1





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 26.498 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

Instrument :

MSVOA_V

ClientSampled :

BFB70

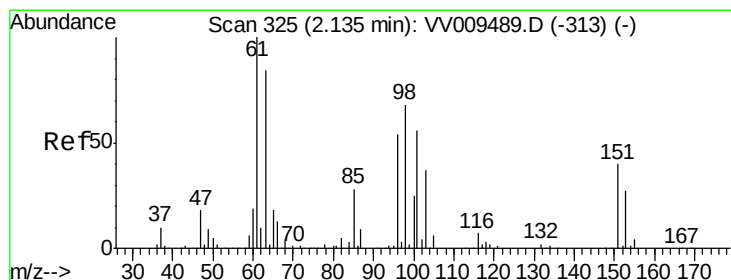
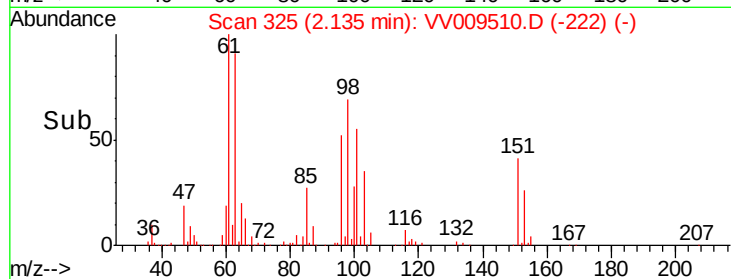
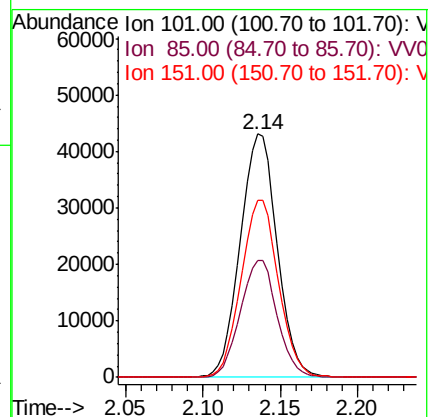
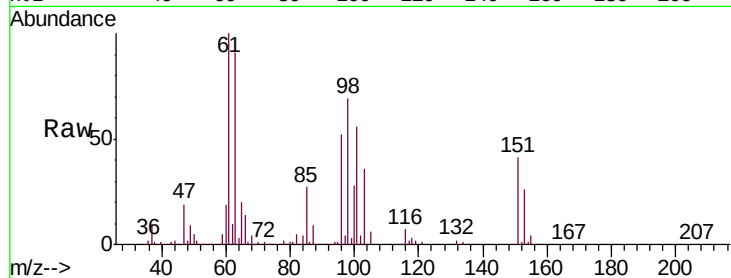
Tgt Ion: 101 Resp: 71583

Ion Ratio Lower Upper

101 100

85 47.8 40.1 60.1

151 73.6 55.9 83.9



#12

1,1-Dichloroethene

Concen: 25.567 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

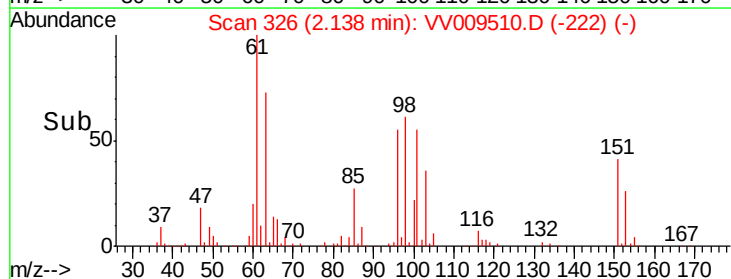
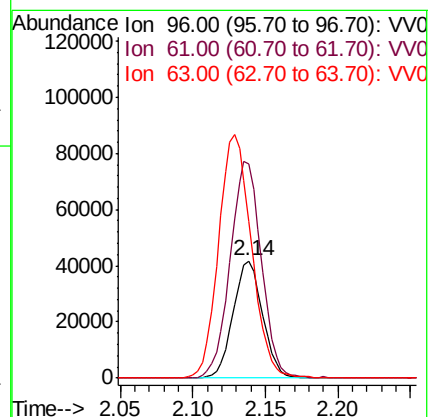
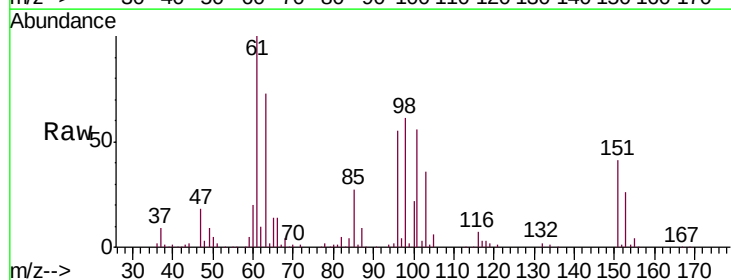
Tgt Ion: 96 Resp: 59093

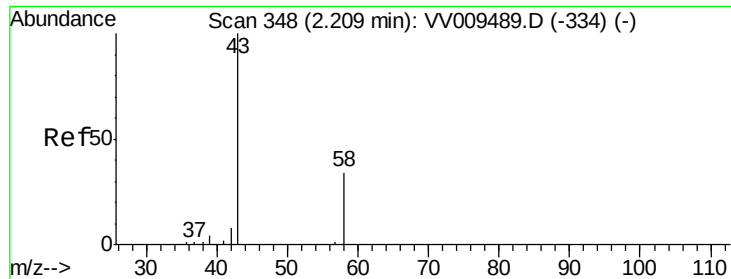
Ion Ratio Lower Upper

96 100

61 182.7 136.9 254.3

63 133.3 108.7 201.9





#13

Acetone

Concen: 37.478 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.01 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

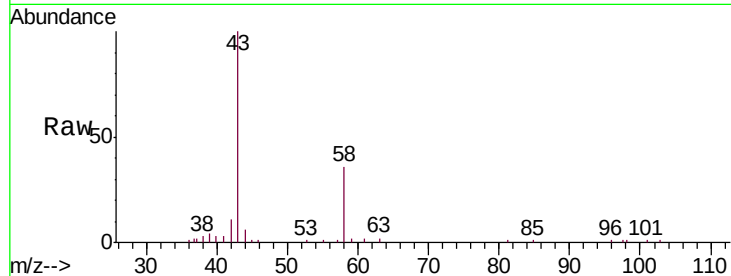
BFB70

Tgt Ion: 43 Resp: 27173

Ion Ratio Lower Upper

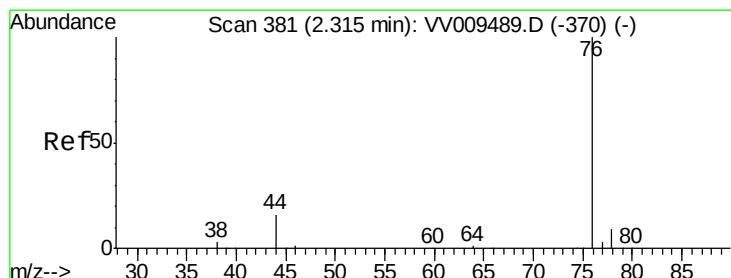
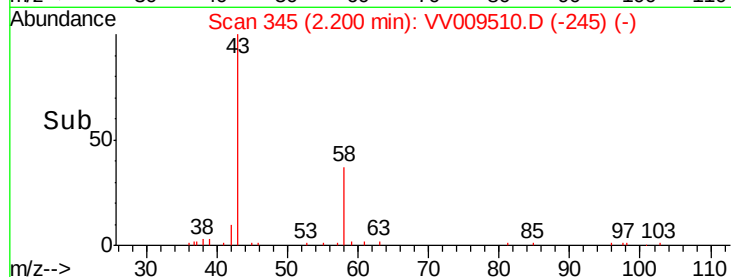
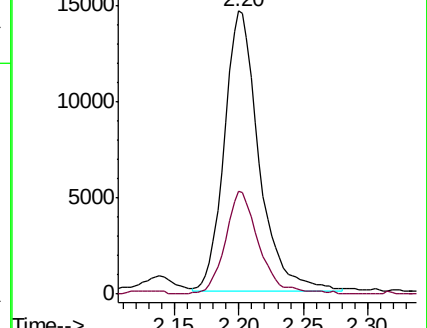
43 100

58 32.6 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009489.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV009489.D (-334) (-)



#14

Carbon disulfide

Concen: 25.668 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009510.D

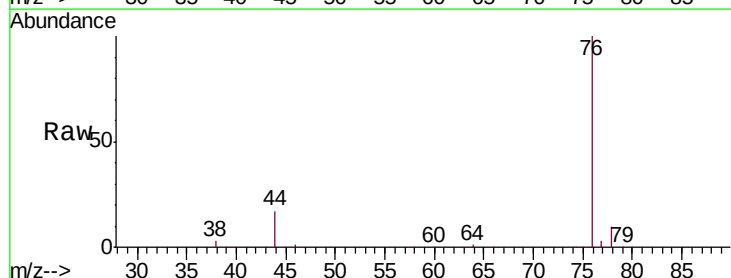
Acq: 06 Mar 2019 10:02

Tgt Ion: 76 Resp: 150373

Ion Ratio Lower Upper

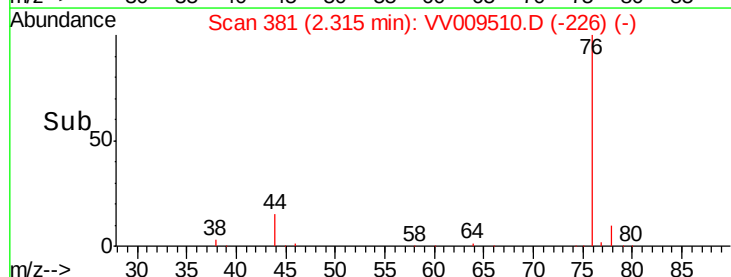
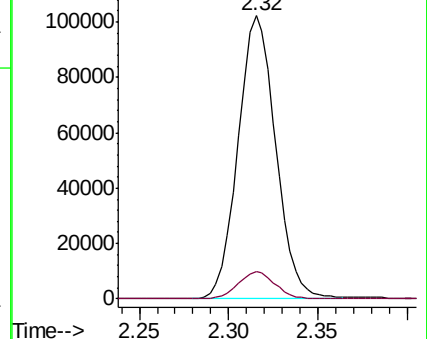
76 100

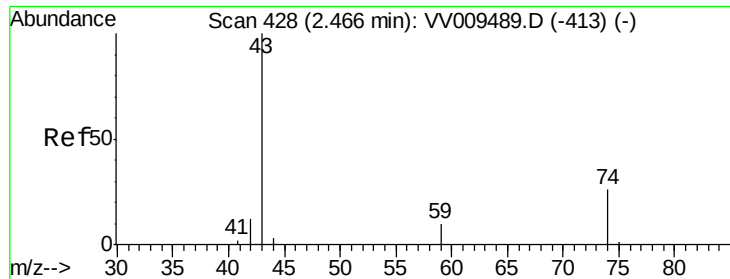
78 9.7 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009489.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV009489.D (-370) (-)

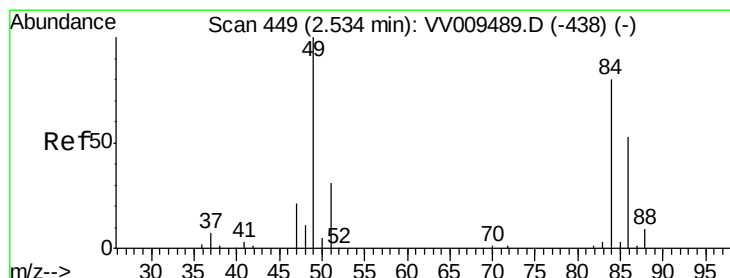
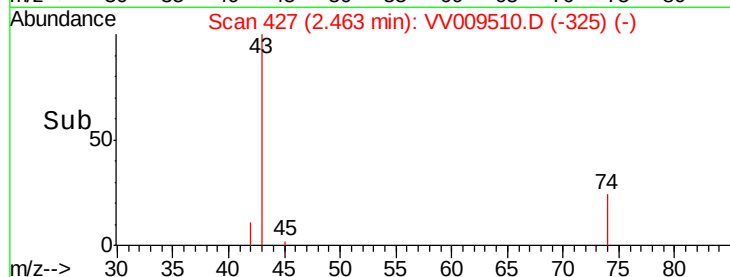
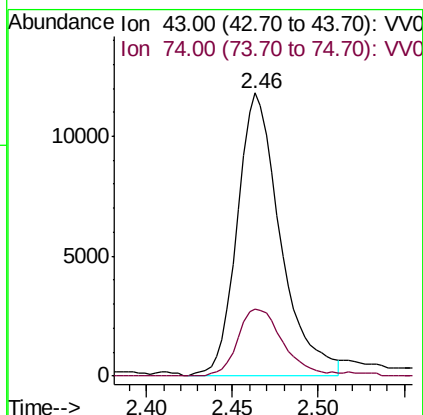
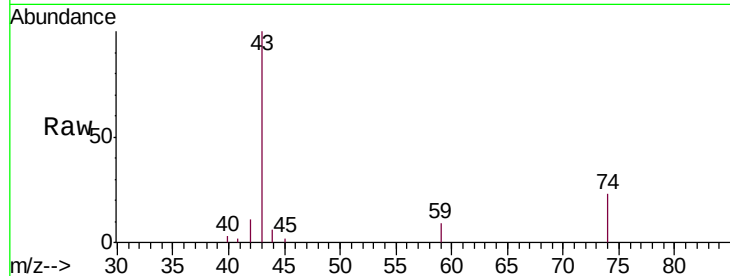




#15
Methyl Acetate
Concen: 17.593 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV009510.D
Acq: 06 Mar 2019 10:02

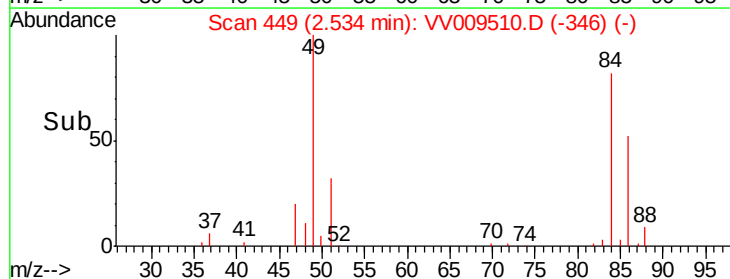
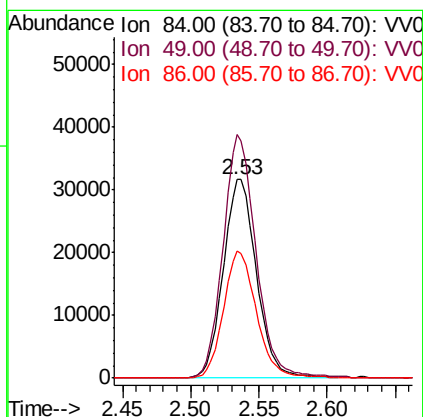
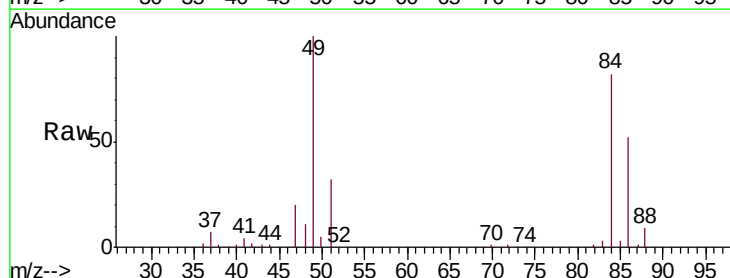
Instrument :
MSVOA_V
ClientSampled :
BFB70

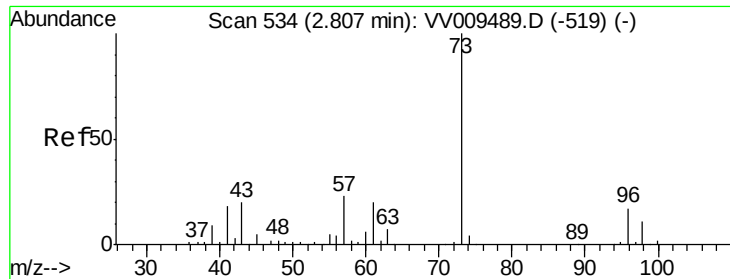
Tgt Ion: 43 Resp: 20656
Ion Ratio Lower Upper
43 100
74 24.5 21.8 32.8



#16
Methylene chloride
Concen: 23.602 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009510.D
Acq: 06 Mar 2019 10:02

Tgt Ion: 84 Resp: 53849
Ion Ratio Lower Upper
84 100
49 122.6 84.6 157.0
86 64.1 46.1 85.7

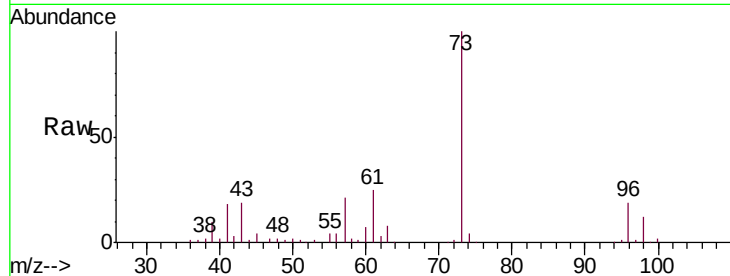




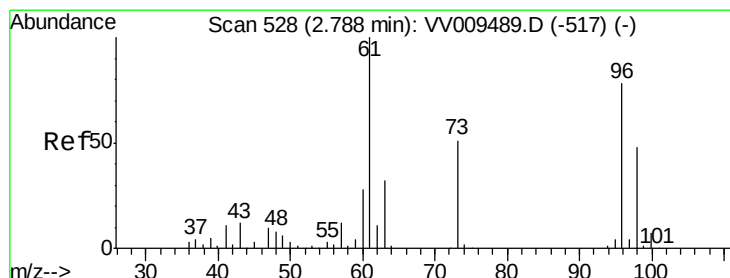
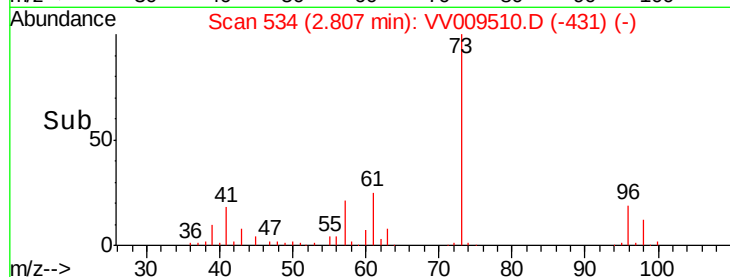
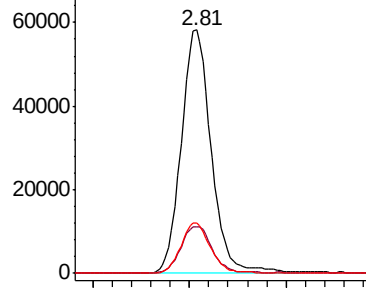
#17
Methyl tert-butyl Ether
Concen: 24.219 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV009510.D
Acq: 06 Mar 2019 10:02

Instrument :
MSVOA_V
ClientSampleId :
BFB70

Tgt Ion: 73 Resp: 125351
Ion Ratio Lower Upper
73 100
43 20.2 15.0 22.4
57 20.4 17.0 25.4

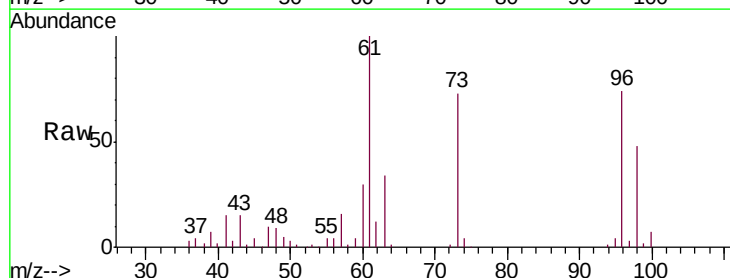


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

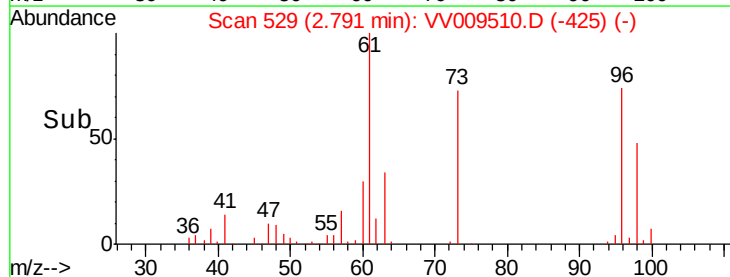
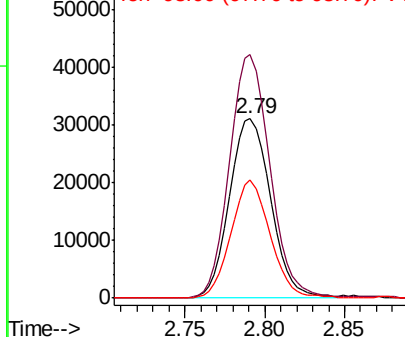


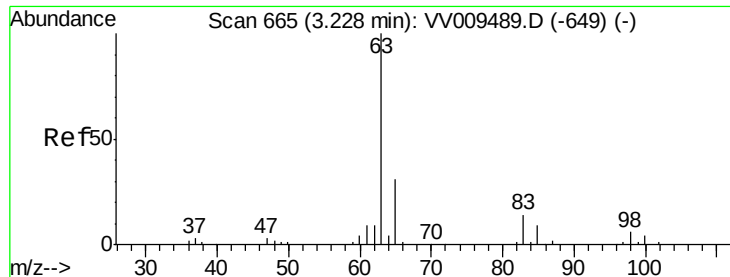
#18
trans-1,2-Dichloroethene
Concen: 26.425 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009510.D
Acq: 06 Mar 2019 10:02

Tgt Ion: 96 Resp: 54860
Ion Ratio Lower Upper
96 100
61 135.7 95.6 177.6
98 65.5 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

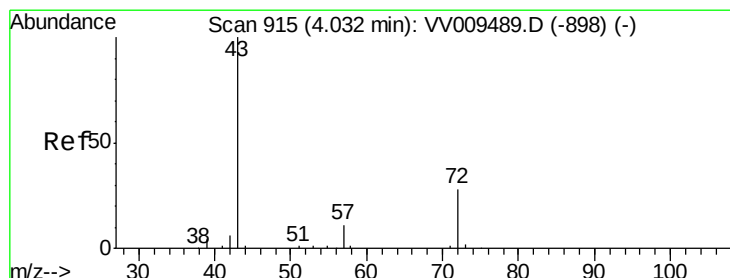
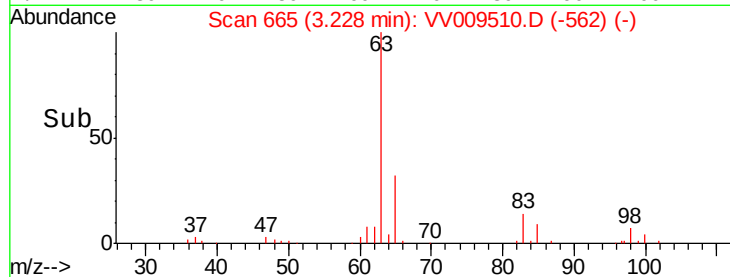
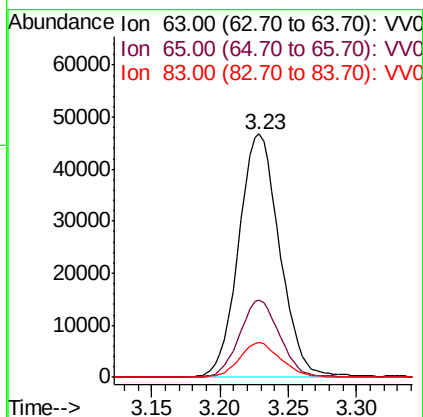
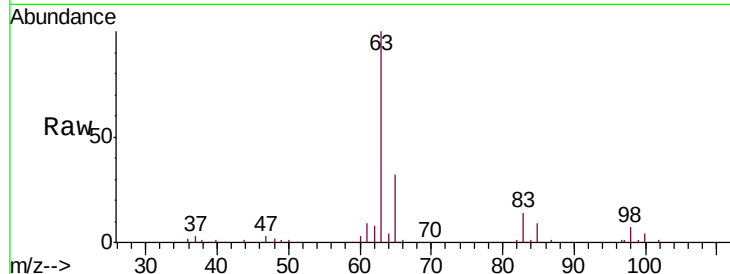




#19
 1,1-Dichloroethane
 Concen: 26.645 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

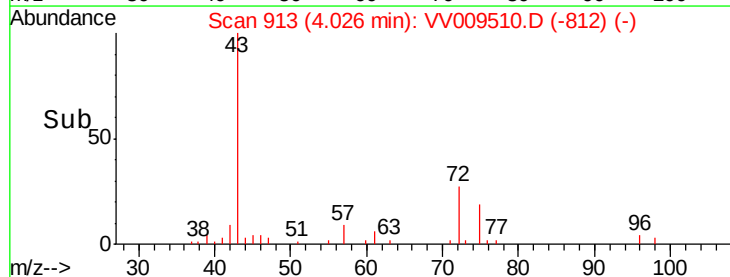
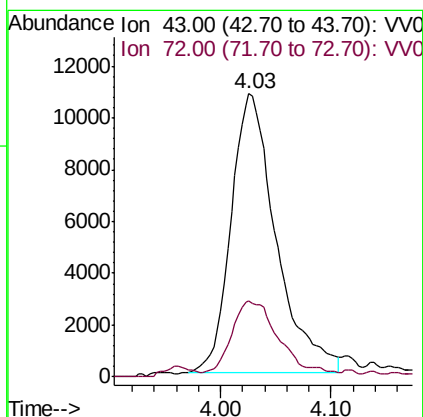
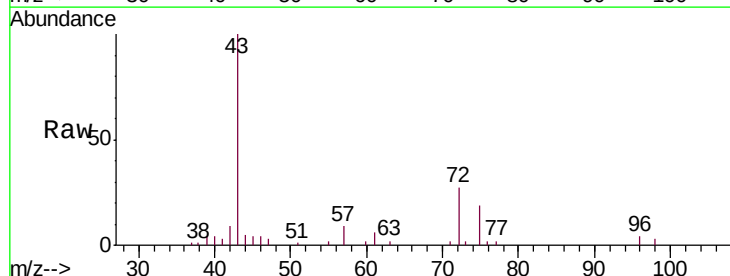
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB70

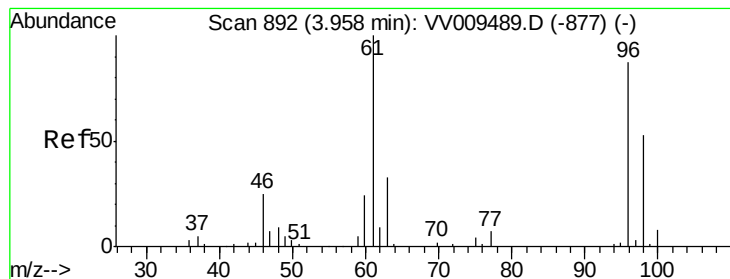
Tgt Ion: 63 Resp: 97471
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.1 41.1
 83 14.2 10.2 19.0



#21
 2-Butanone
 Concen: 33.536 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

Tgt Ion: 43 Resp: 30687
 Ion Ratio Lower Upper
 43 100
 72 13.7 13.7 41.0



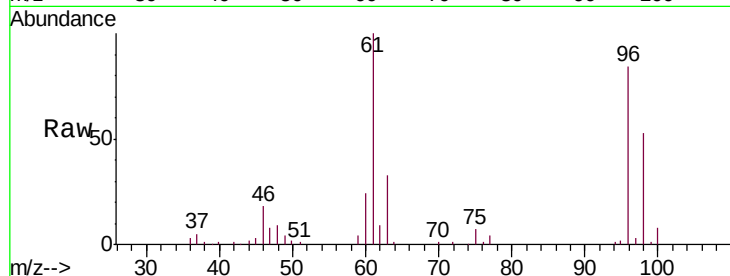


#22

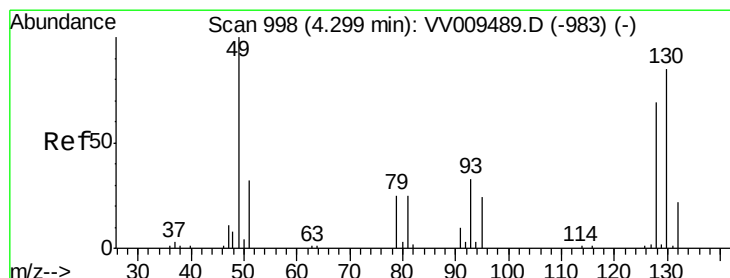
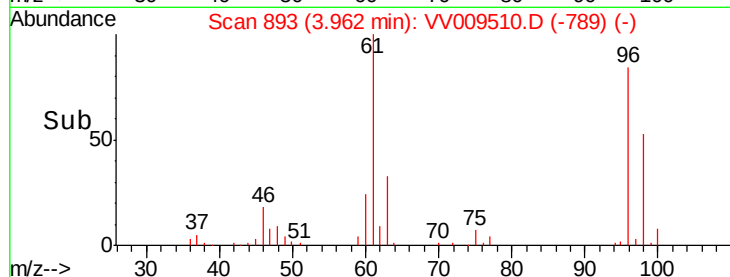
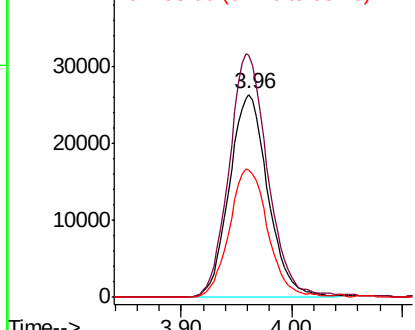
cis-1,2-Dichloroethene
 Concen: 27.276 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB70

Tgt Ion: 96 Resp: 63929
 Ion Ratio Lower Upper
 96 100
 61 119.5 87.2 161.9
 98 62.8 44.6 82.8



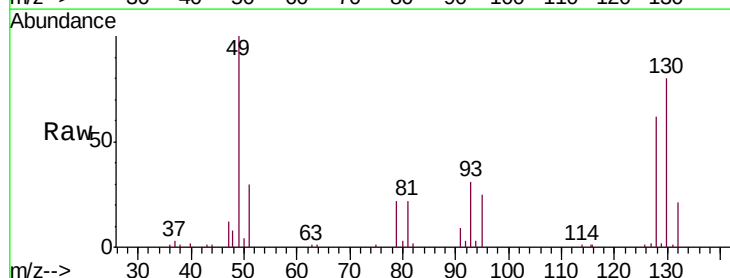
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



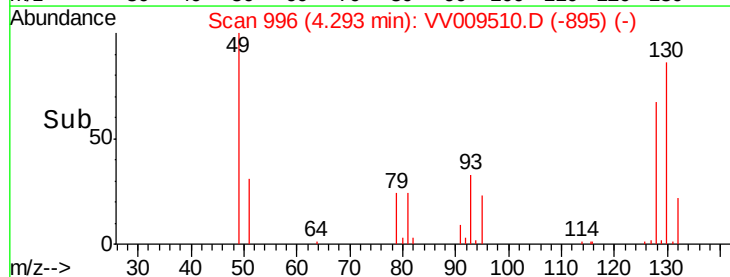
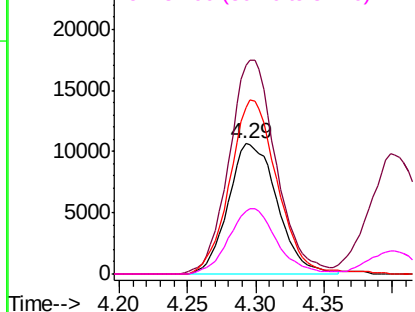
#23

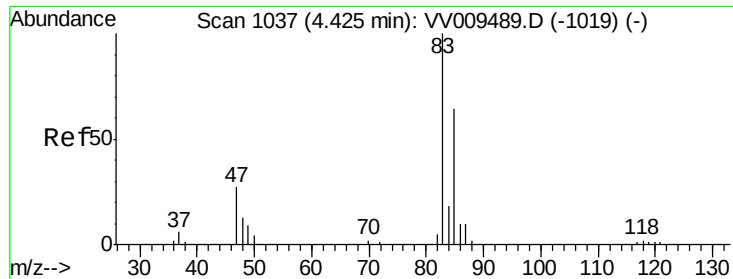
Bromochloromethane
 Concen: 24.523 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

Tgt Ion: 128 Resp: 26502
 Ion Ratio Lower Upper
 128 100
 49 160.8 115.5 214.5
 130 128.3 92.6 172.0
 51 48.5 43.4 65.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

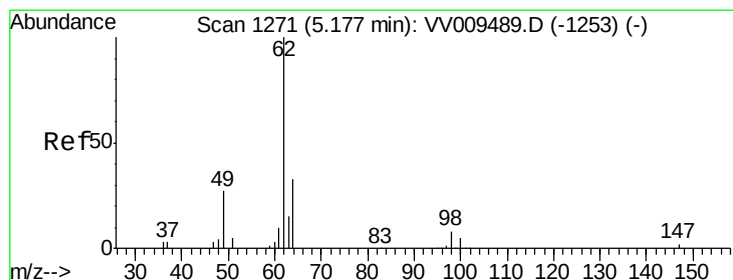
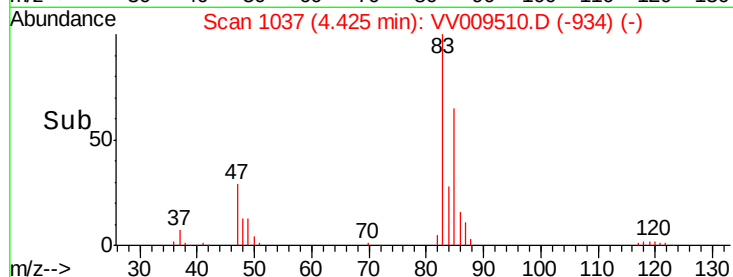
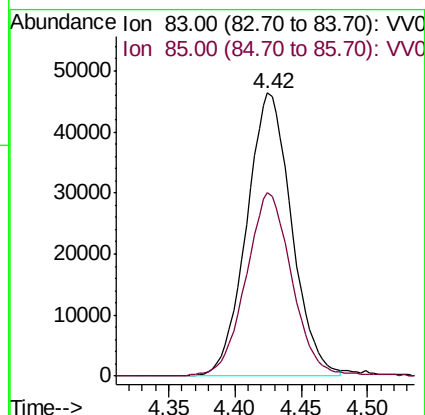
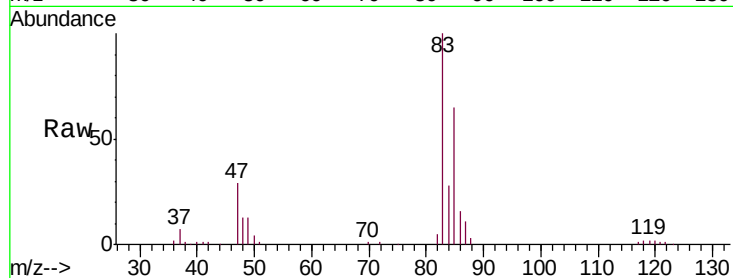




#25
Chloroform
Concen: 26.889 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009510.D
Acq: 06 Mar 2019 10:02

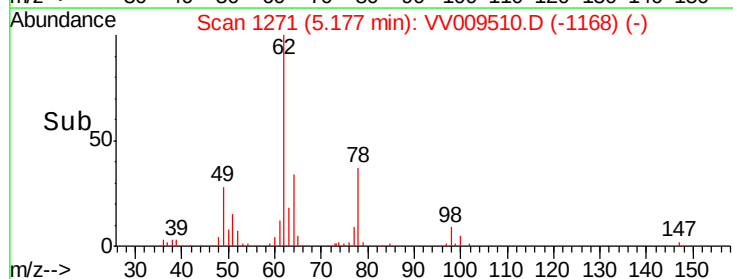
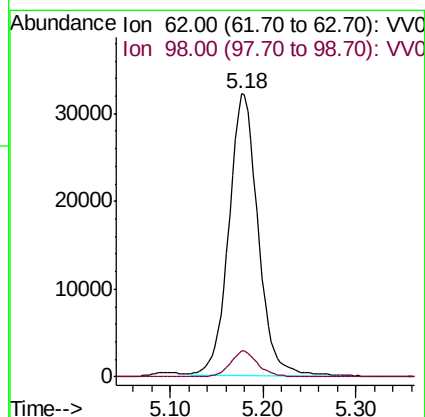
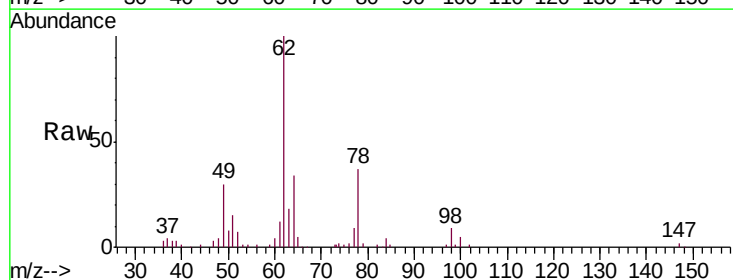
Instrument :
MSVOA_V
ClientSampleId :
BFB70

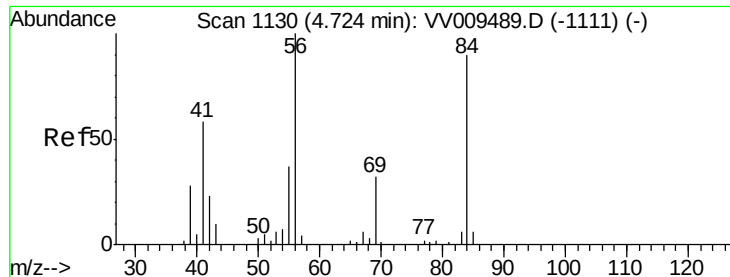
Tgt Ion: 83 Resp: 109770
Ion Ratio Lower Upper
83 100
85 66.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 24.839 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV009510.D
Acq: 06 Mar 2019 10:02

Tgt Ion: 62 Resp: 70425
Ion Ratio Lower Upper
62 100
98 9.1 6.6 10.0

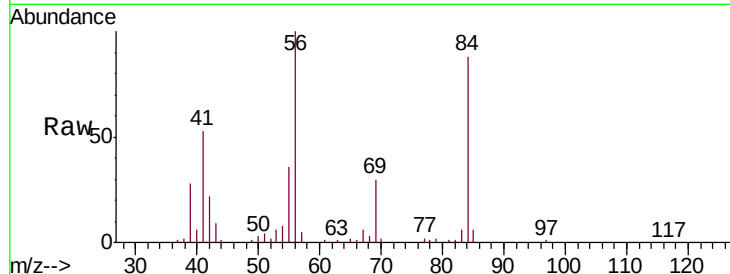




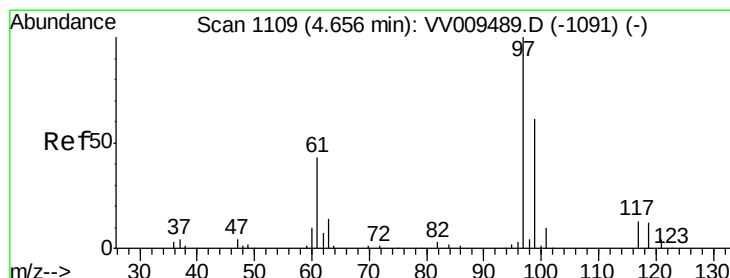
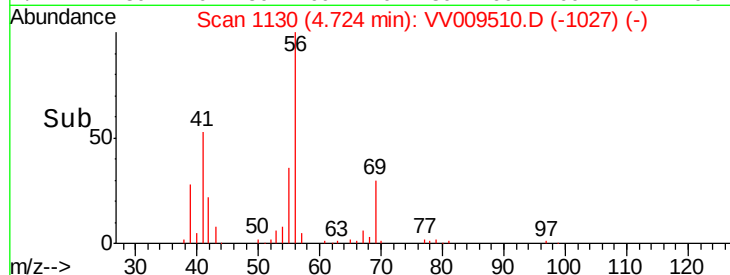
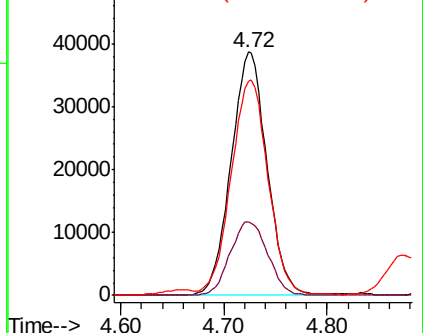
#30
Cyclohexane
Concen: 26.754 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV009510.D
Acq: 06 Mar 2019 10:02

Instrument :
MSVOA_V
ClientSampled :
BFB70

Tgt Ion: 56 Resp: 93825
Ion Ratio Lower Upper
56 100
69 31.4 24.9 37.3
84 91.2 71.9 107.9

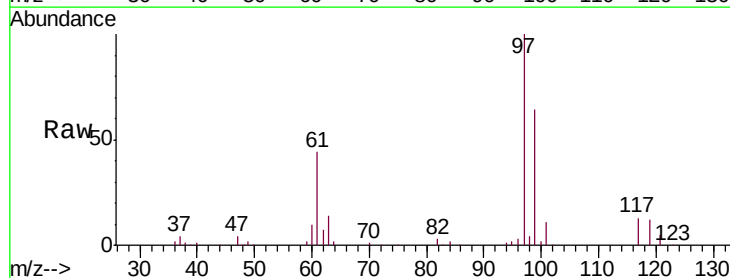


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

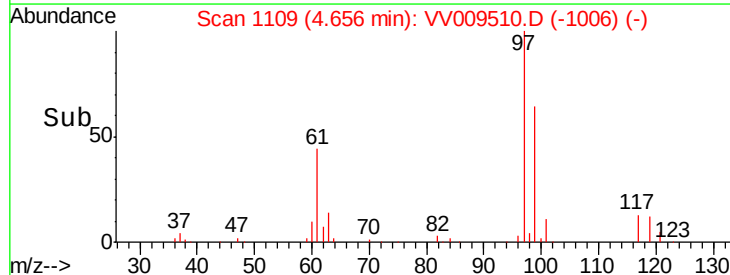
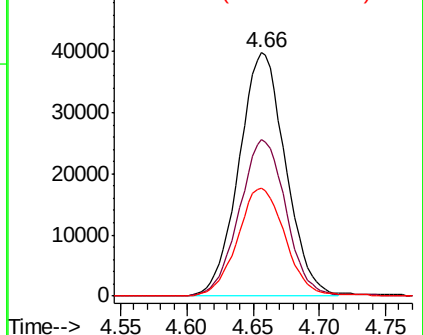


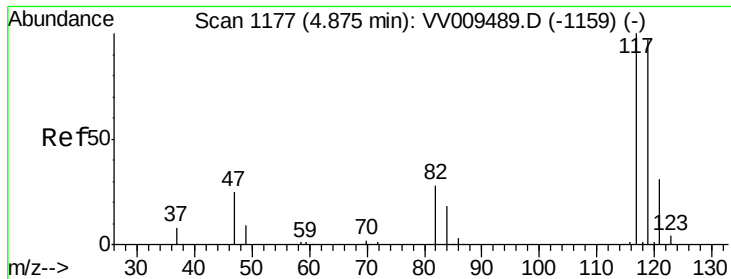
#31
1,1,1-Trichloroethane
Concen: 26.413 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV009510.D
Acq: 06 Mar 2019 10:02

Tgt Ion: 97 Resp: 97572
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.4
61 45.0 36.1 54.1



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 27.051 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

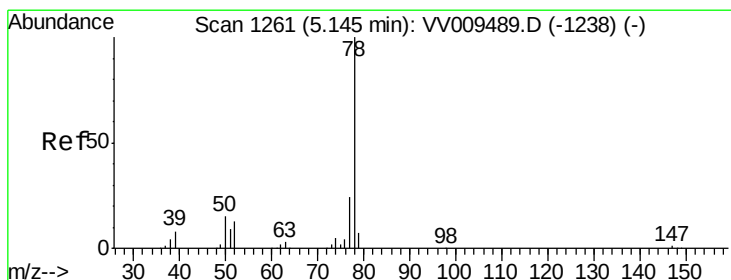
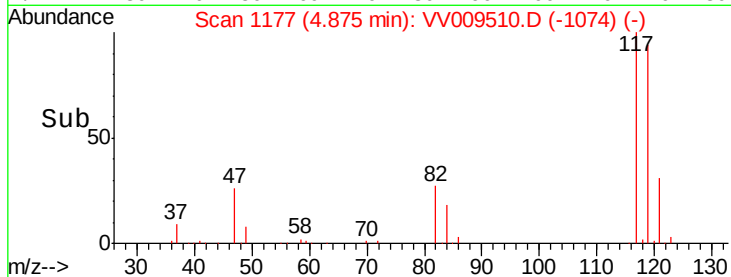
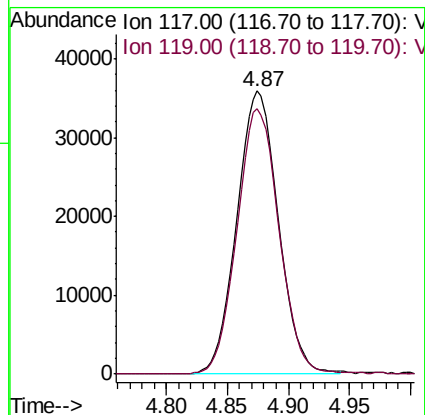
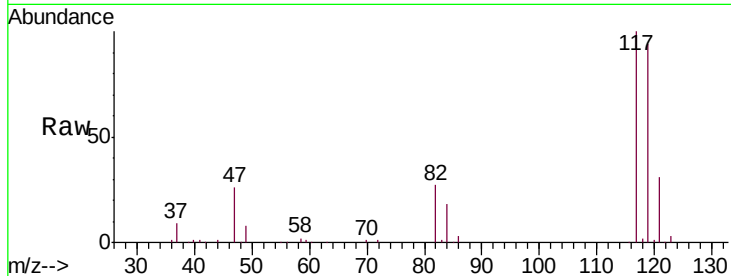
BFB70

Tgt Ion:117 Resp: 84480

Ion Ratio Lower Upper

117 100

119 94.8 76.5 114.7



#34

Benzene

Concen: 26.780 ug/L

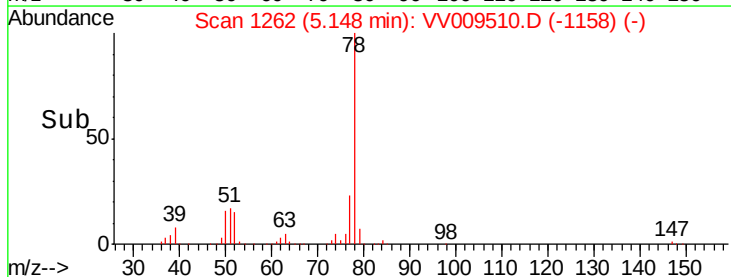
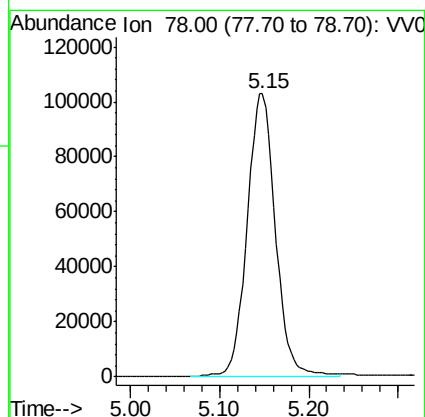
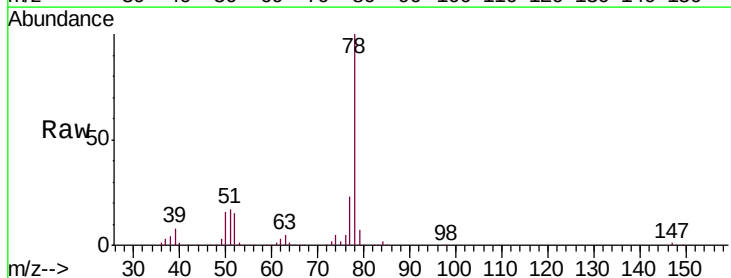
RT: 5.15 min Scan# 1262

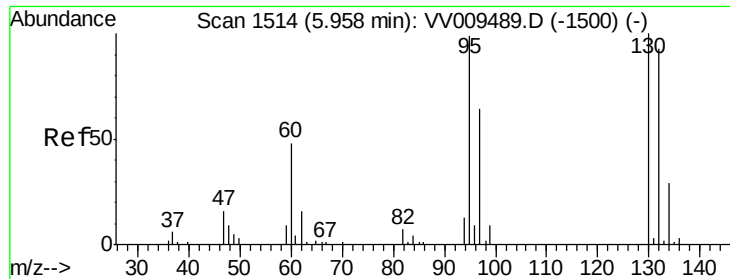
Delta R.T. 0.00 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

Tgt Ion: 78 Resp: 228660

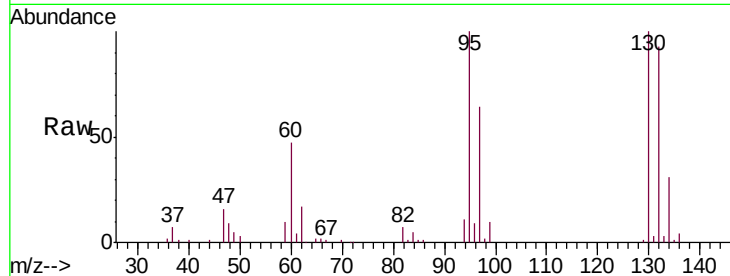




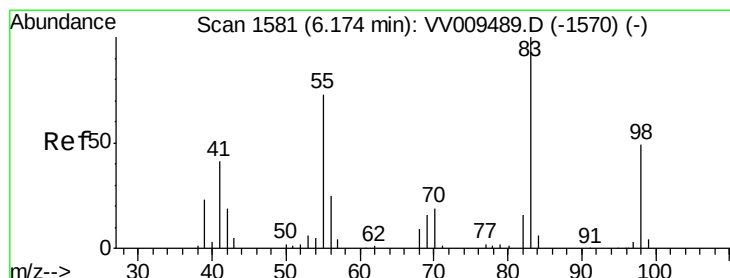
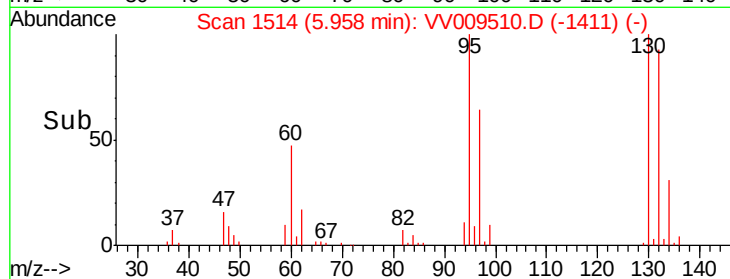
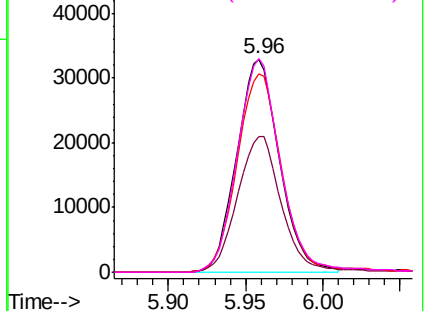
#35
 Trichloroethene
 Concen: 25.790 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB70

Tgt Ion: 95 Resp: 63284
 Ion Ratio Lower Upper
 95 100
 97 65.8 44.3 82.3
 132 96.4 64.4 119.6
 130 101.5 69.4 128.8

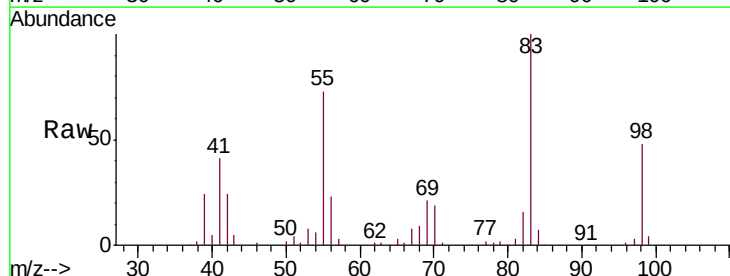


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

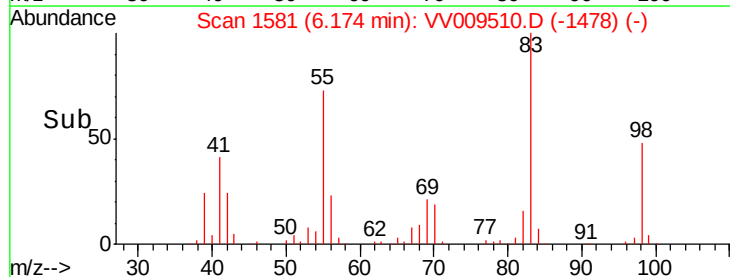
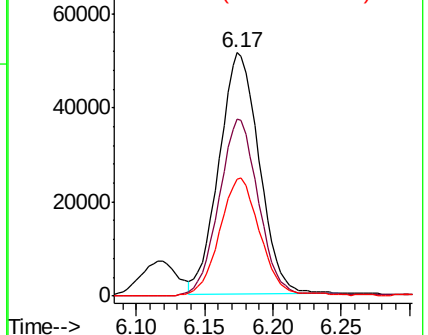


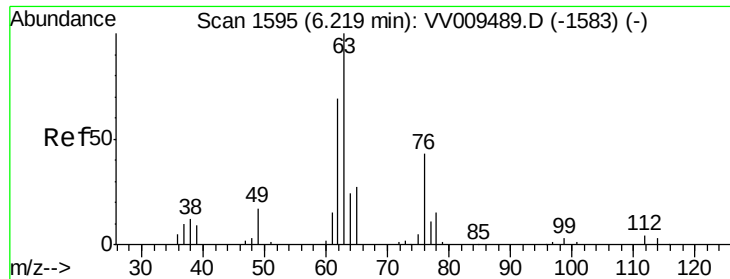
#36
 Methylcyclohexane
 Concen: 26.255 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

Tgt Ion: 83 Resp: 104953
 Ion Ratio Lower Upper
 83 100
 55 72.0 58.8 88.2
 98 48.8 37.7 56.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

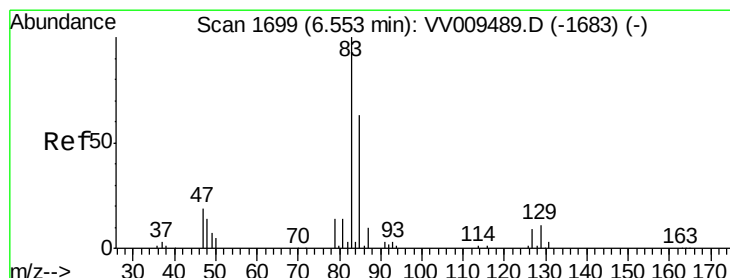
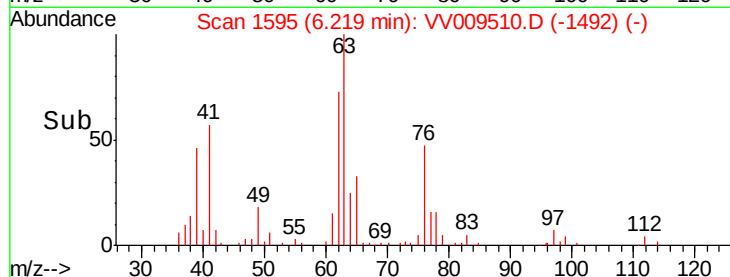
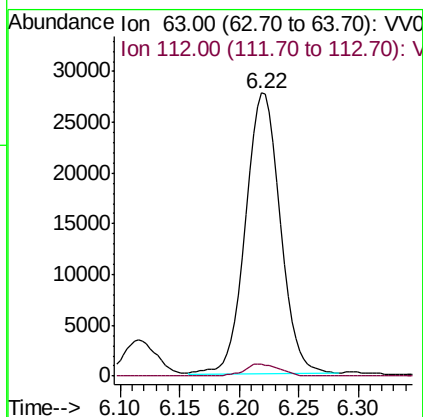
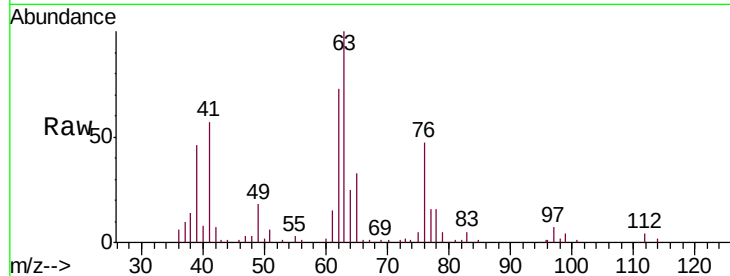




#40
 1,2-Dichloropropane
 Concen: 25.452 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

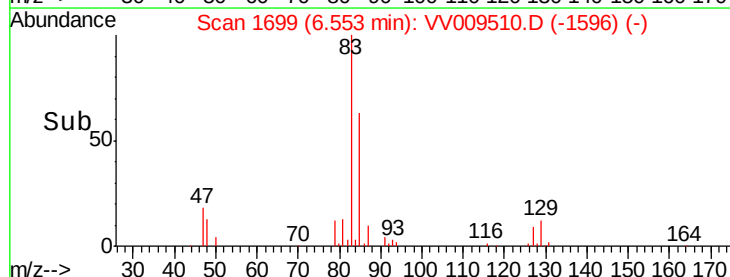
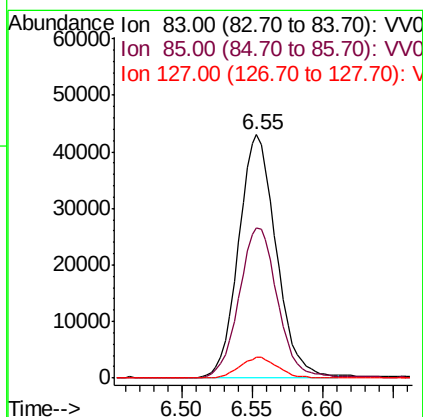
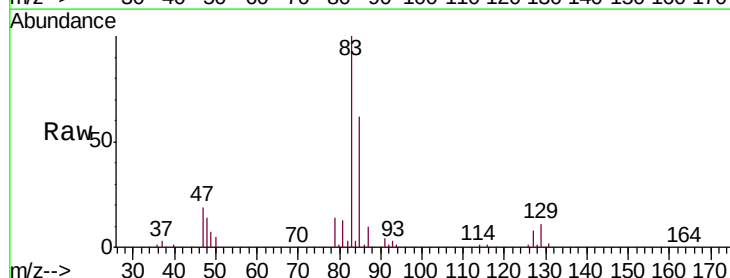
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB70

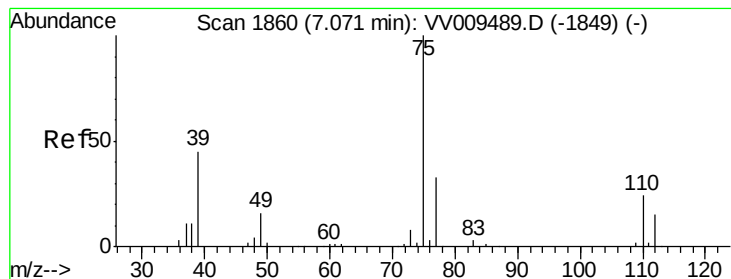
Tgt Ion: 63 Resp: 56034
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.0 4.4



#41
 Bromodichloromethane
 Concen: 27.136 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

Tgt Ion: 83 Resp: 80637
 Ion Ratio Lower Upper
 83 100
 85 61.8 46.5 86.3
 127 8.4 7.2 10.8



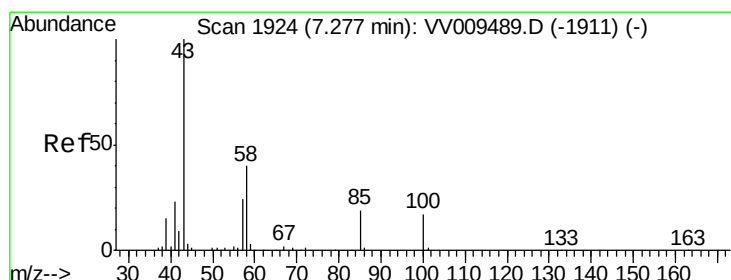
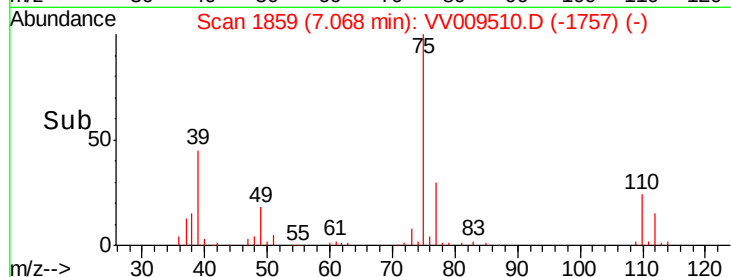
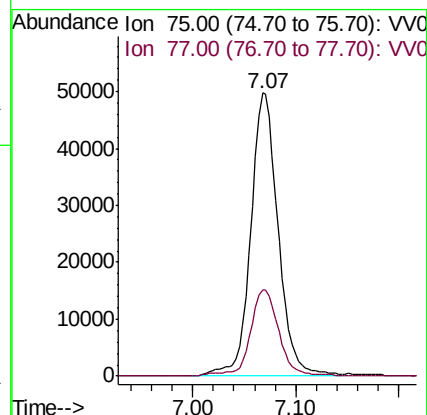
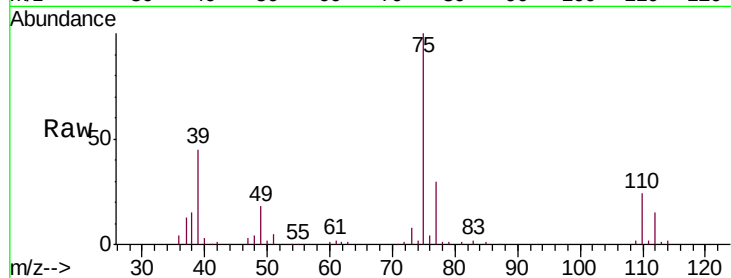


#42

cis-1,3-Dichloropropene
Concen: 26.930 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV009510.D
Acq: 06 Mar 2019 10:02

Instrument :
MSVOA_V
ClientSampled :
BFB70

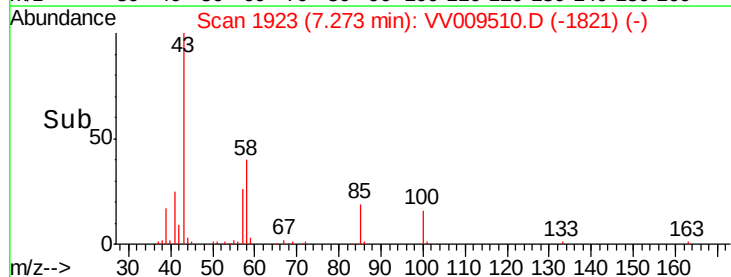
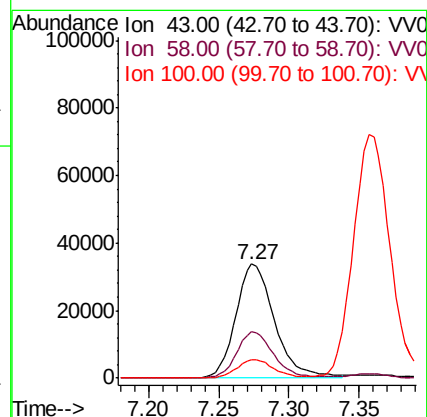
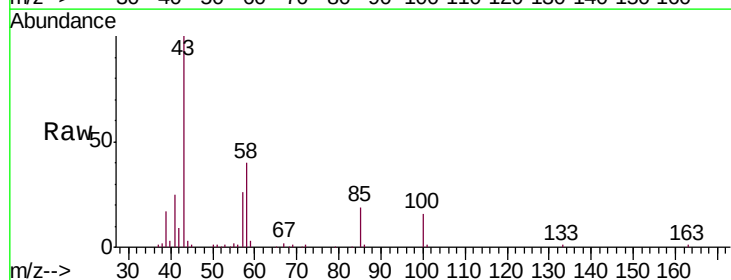
Tgt Ion: 75 Resp: 92043
Ion Ratio Lower Upper
75 100
77 30.5 21.4 39.8

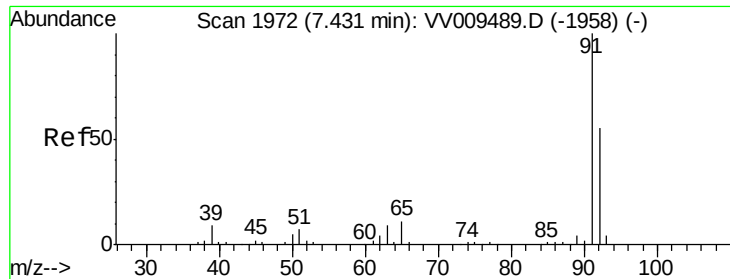


#43

4-Methyl-2-pentanone
Concen: 37.611 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VV009510.D
Acq: 06 Mar 2019 10:02

Tgt Ion: 43 Resp: 65274
Ion Ratio Lower Upper
43 100
58 38.8 31.9 47.9
100 15.6 12.8 19.2





#44

Toluene

Concen: 26.844 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

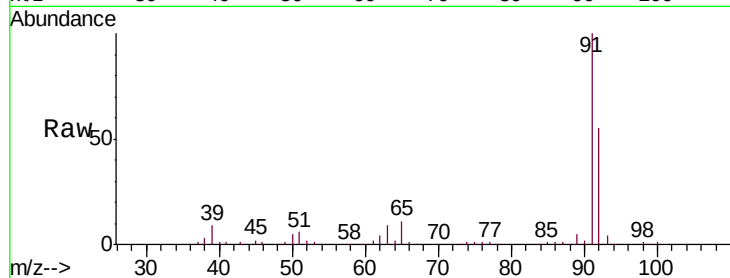
BFB70

Tgt Ion: 91 Resp: 259086

Ion Ratio Lower Upper

91 100

92 55.4 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VV009510.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV009510.D (-1869) (-)

7.43

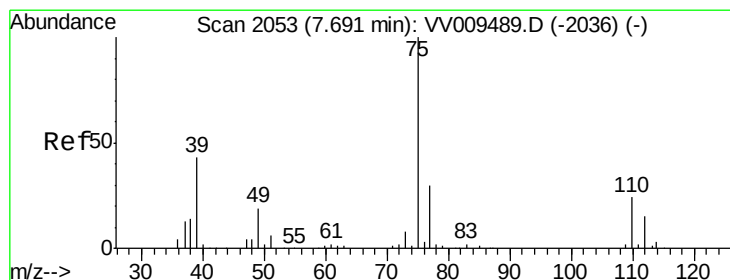
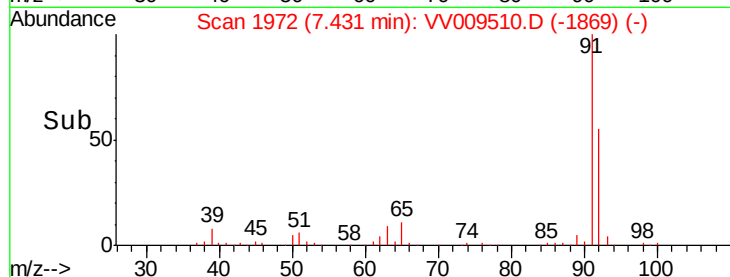
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.722 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009510.D

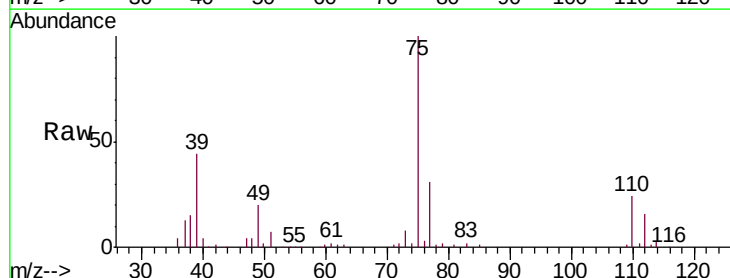
Acq: 06 Mar 2019 10:02

Tgt Ion: 75 Resp: 76782

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009510.D (-1950) (-)

Ion 77.00 (76.70 to 77.70): VV009510.D (-1950) (-)

7.69

50000

40000

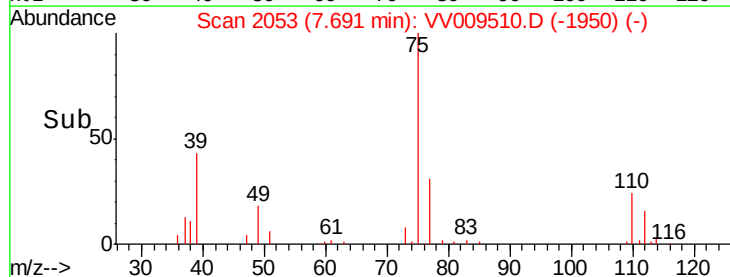
30000

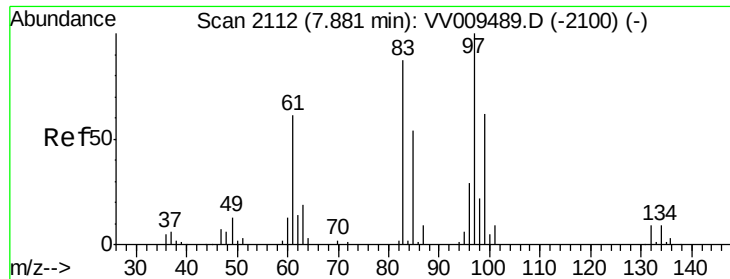
20000

10000

0

Time-->

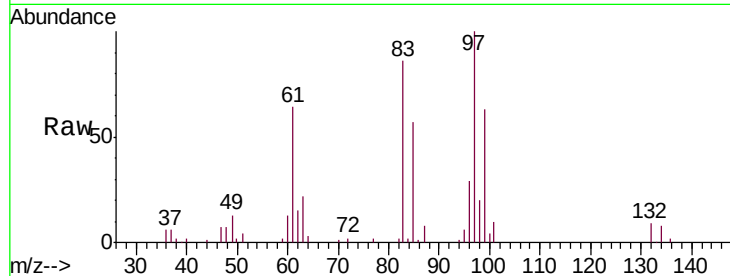




#46
 1,1,2-Trichloroethane
 Concen: 24.380 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB70

Tgt Ion:	97	Resp:	44592
Ion	Ratio	Lower	Upper
97	100		
83	86.3	63.8	118.6
85	57.4	39.5	73.4
99	63.5	45.9	85.3



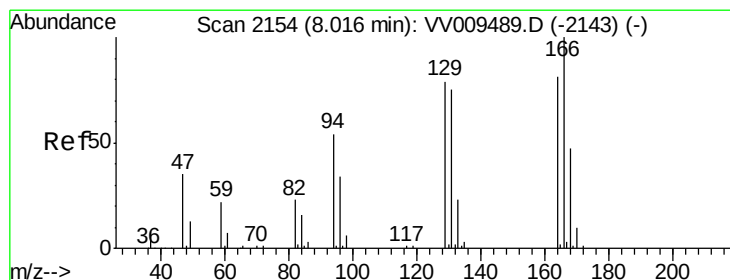
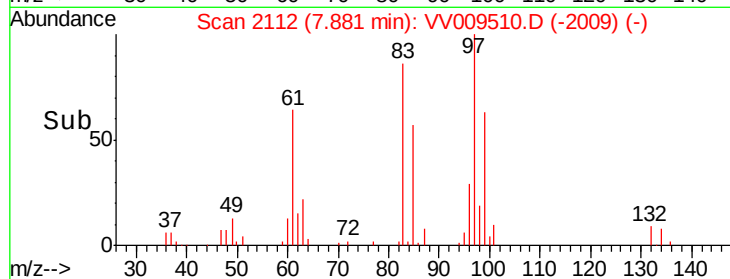
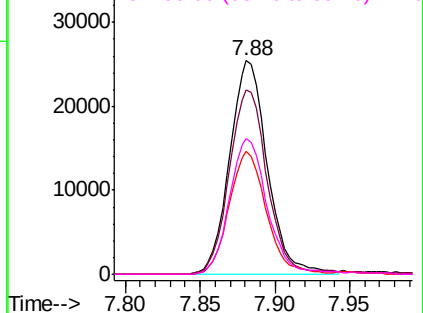
Abundance

Ion 97.00 (96.70 to 97.70): VV009510.D (-2099) (-)

Ion 83.00 (82.70 to 83.70): VV009510.D (-2099) (-)

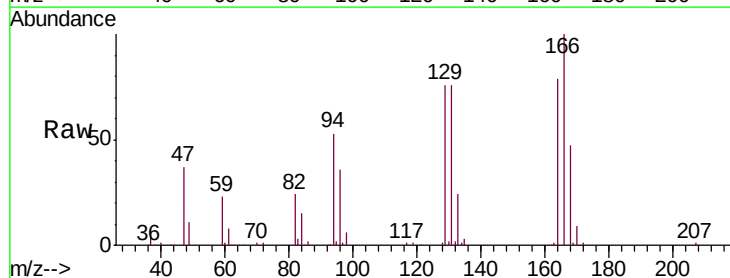
Ion 85.00 (84.70 to 85.70): VV009510.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV009510.D (-2099) (-)



#47
 Tetrachloroethene
 Concen: 26.380 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

Tgt Ion:	164	Resp:	49099
Ion	Ratio	Lower	Upper
164	100		
129	96.3	67.7	125.7
131	96.7	67.5	125.3
166	126.6	81.6	151.6



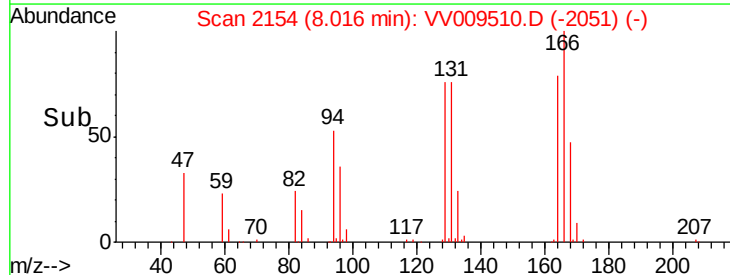
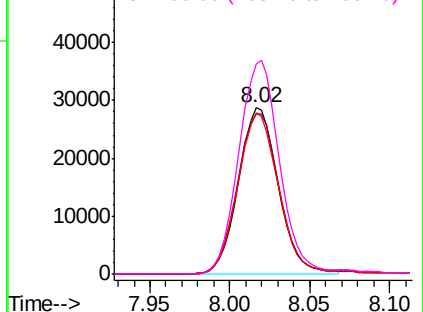
Abundance

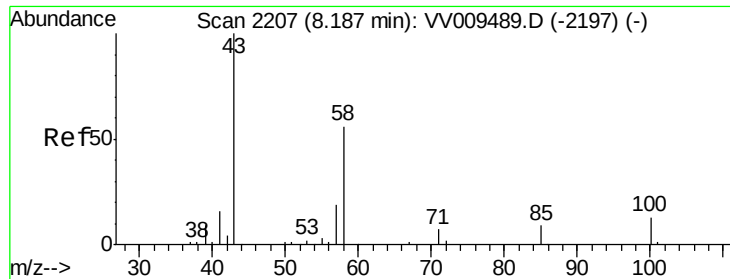
Ion 164.00 (163.70 to 164.70): VV009510.D (-2051) (-)

Ion 129.00 (128.70 to 129.70): VV009510.D (-2051) (-)

Ion 131.00 (130.70 to 131.70): VV009510.D (-2051) (-)

Ion 166.00 (165.70 to 166.70): VV009510.D (-2051) (-)

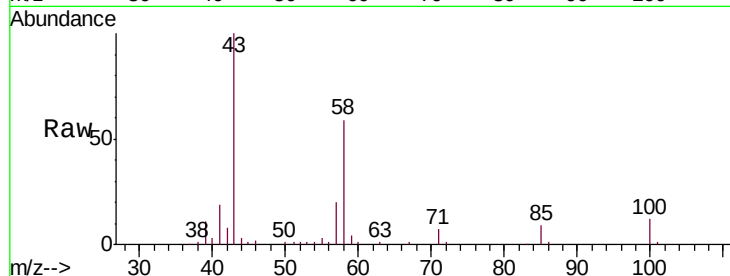




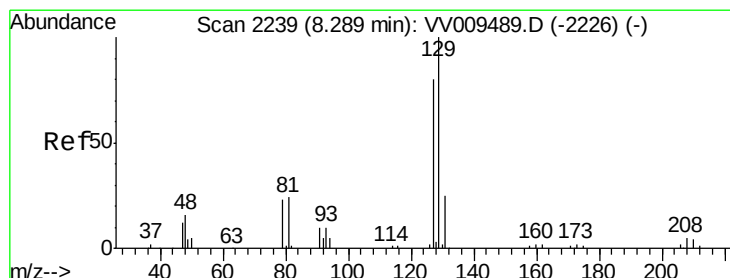
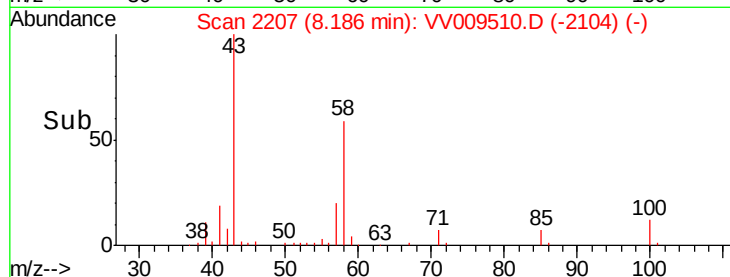
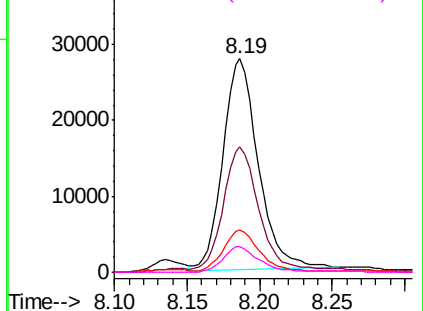
#49
2-Hexanone
Concen: 35.571 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009510.D
Acq: 06 Mar 2019 10:02

Instrument :
MSVOA_V
ClientSampleId :
BFB70

Tgt Ion: 43 Resp: 46681
Ion Ratio Lower Upper
43 100
58 57.9 46.3 69.5
57 20.3 15.8 23.6
100 12.3 10.0 15.0

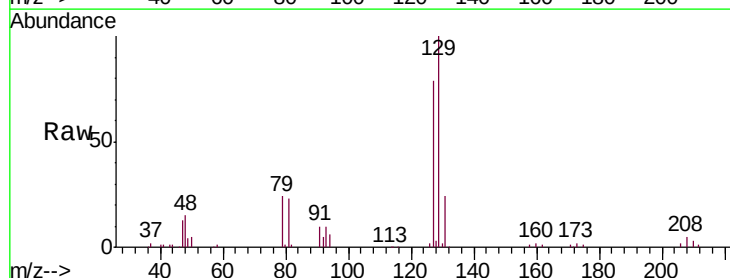


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

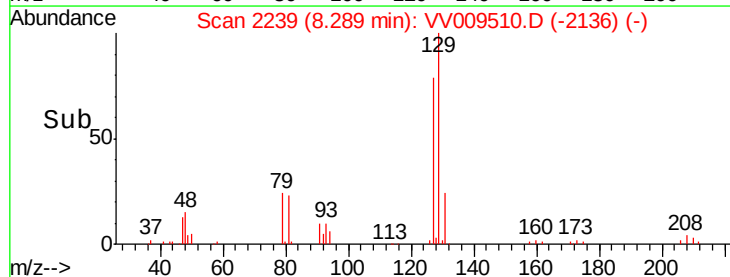
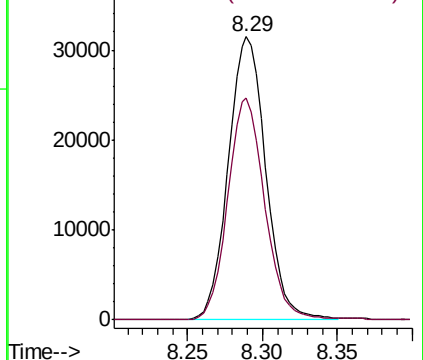


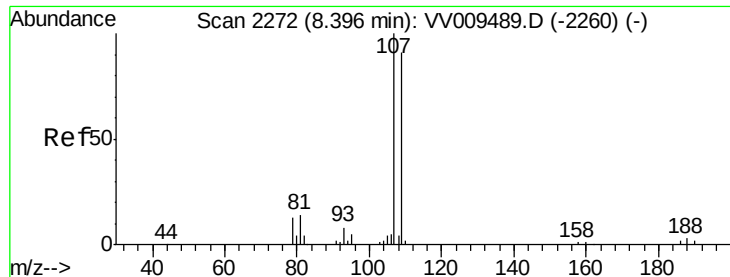
#50
Dibromochloromethane
Concen: 24.781 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009510.D
Acq: 06 Mar 2019 10:02

Tgt Ion: 129 Resp: 54876
Ion Ratio Lower Upper
129 100
127 78.5 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

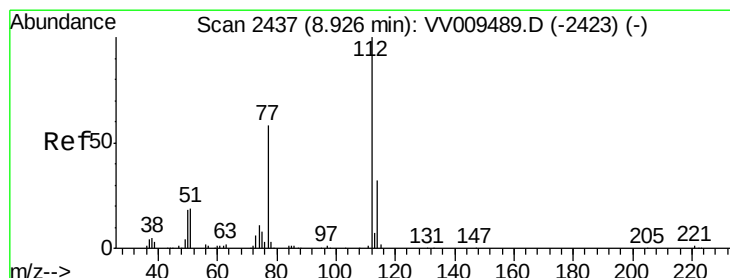
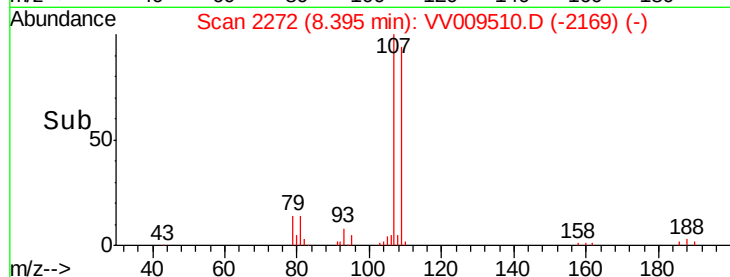
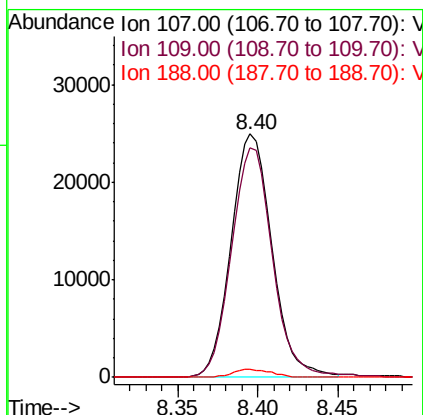
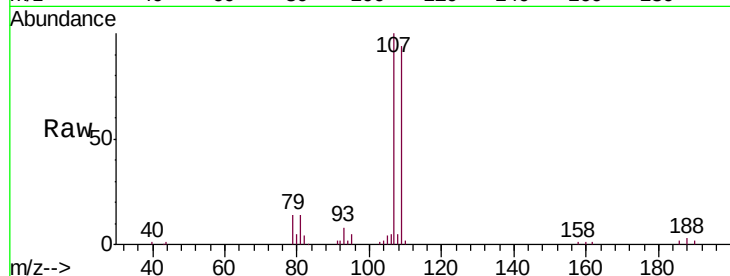




#51
 1,2-Dibromoethane
 Concen: 22.998 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

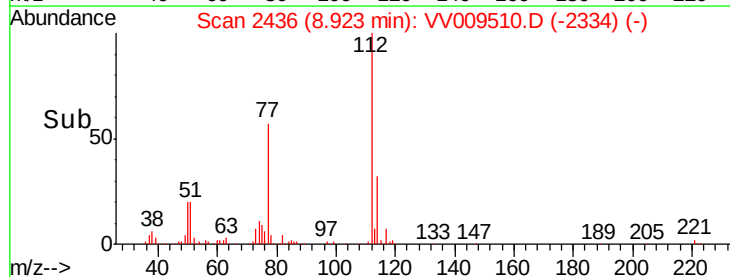
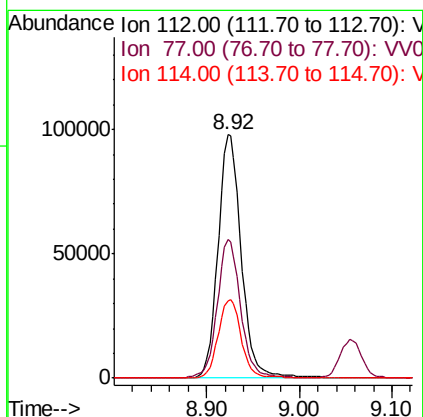
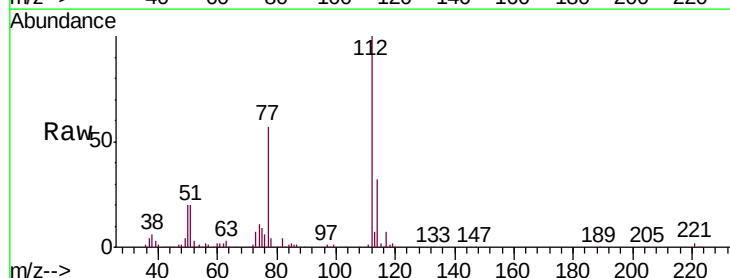
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB70

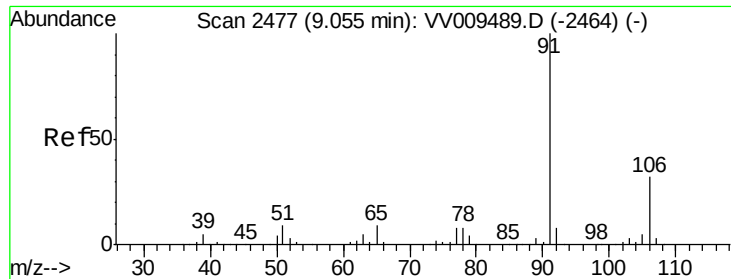
Tgt Ion:107 Resp: 43461
 Ion Ratio Lower Upper
 107 100
 109 94.3 65.6 121.8
 188 3.1 2.3 3.5



#52
 Chlorobenzene
 Concen: 26.581 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

Tgt Ion:112 Resp: 170050
 Ion Ratio Lower Upper
 112 100
 77 57.2 45.0 67.6
 114 31.8 22.9 42.5





#53

Ethylbenzene

Concen: 26.522 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

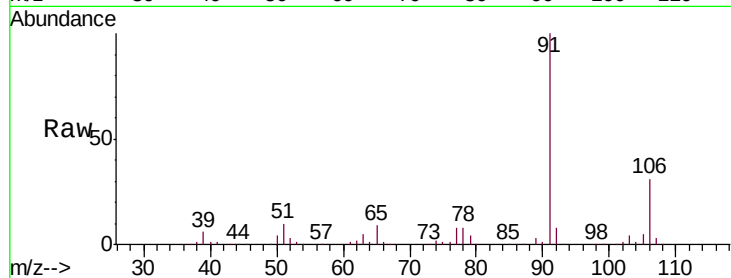
BFB70

Tgt Ion: 91 Resp: 292923

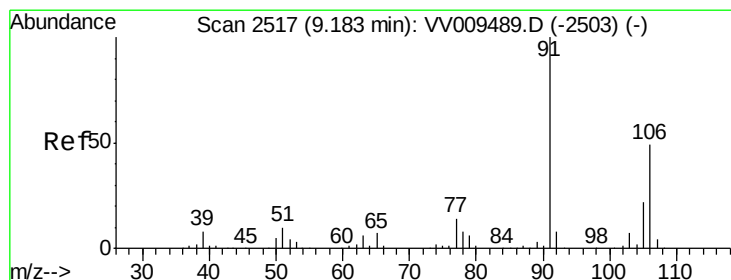
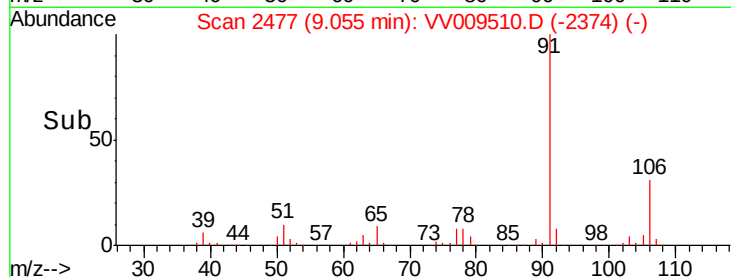
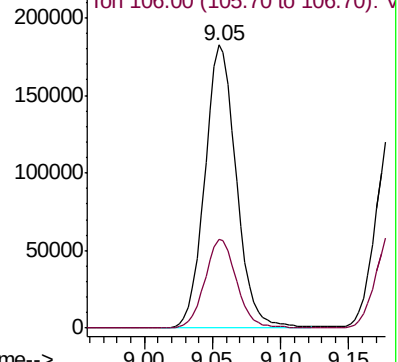
Ion Ratio Lower Upper

91 100

106 31.3 23.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VV009510.D (-2374) (-)



#54

m,p-Xylene

Concen: 26.942 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009510.D

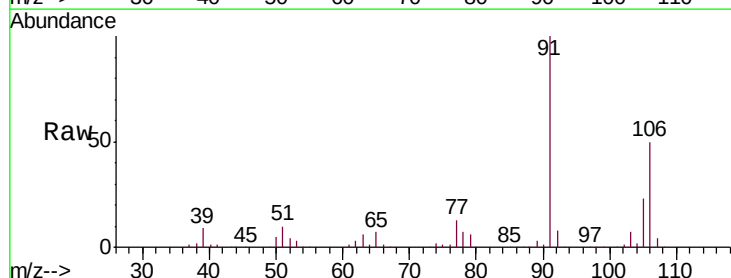
Acq: 06 Mar 2019 10:02

Tgt Ion: 106 Resp: 112621

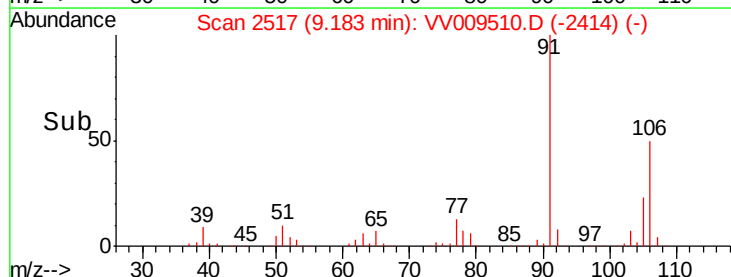
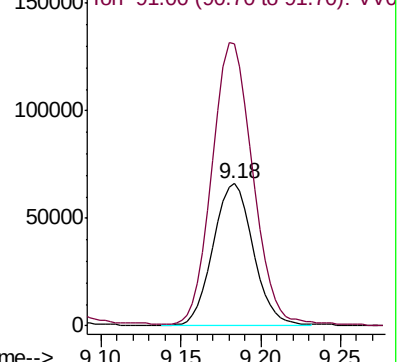
Ion Ratio Lower Upper

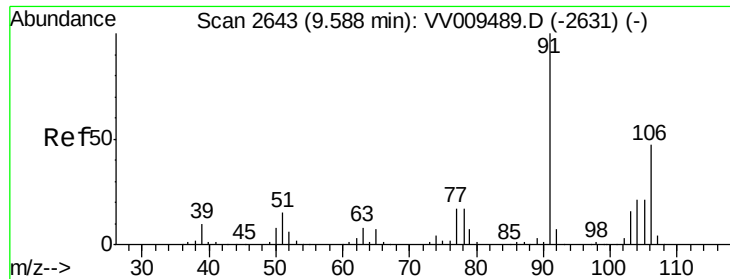
106 100

91 198.9 138.5 257.1



Abundance Ion 106.00 (105.70 to 106.70): VV009510.D (-2414) (-)

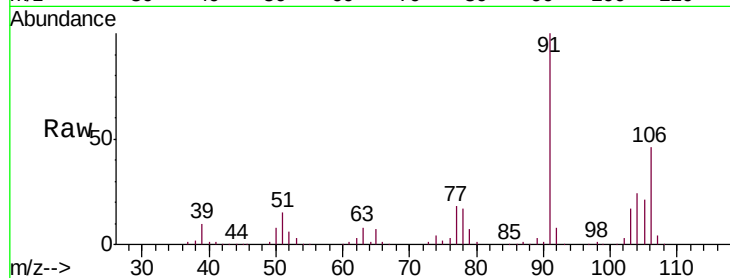




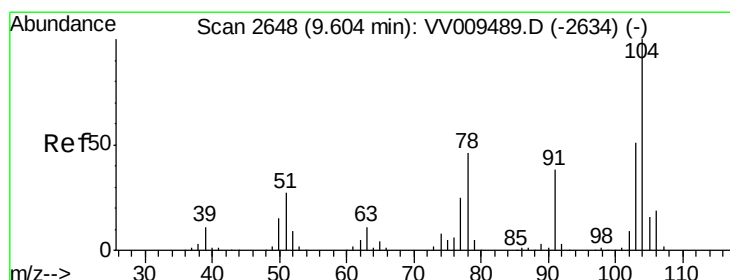
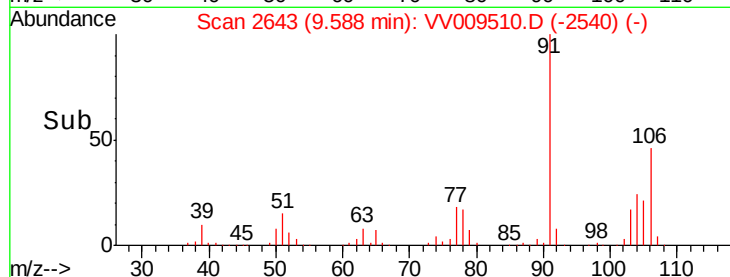
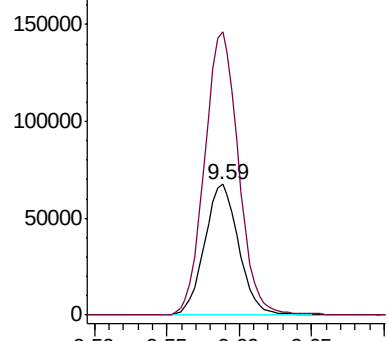
#55
o-xylene
Concen: 27.367 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009510.D
Acq: 06 Mar 2019 10:02

Instrument :
MSVOA_V
ClientSampleId :
BFB70

Tgt Ion:106 Resp: 110309
Ion Ratio Lower Upper
106 100
91 216.8 143.8 267.0

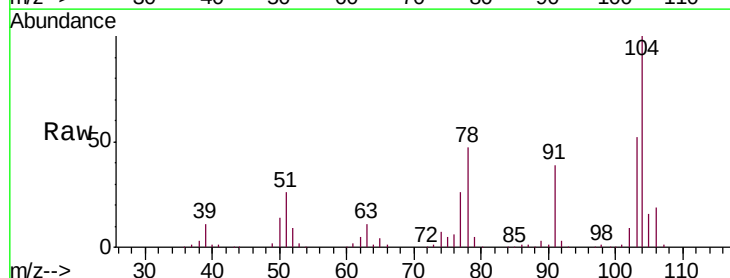


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

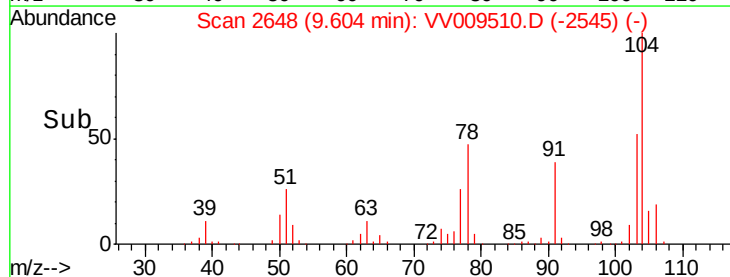
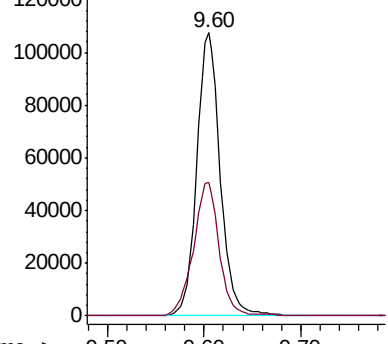


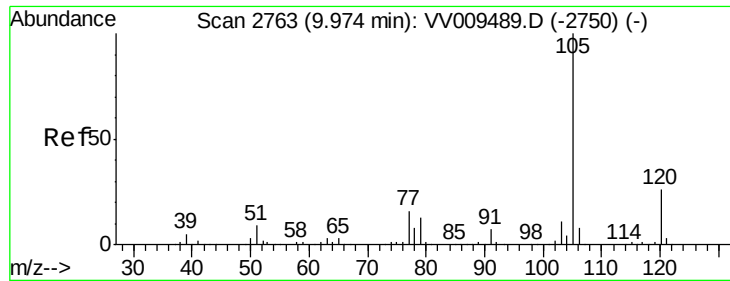
#56
Styrene
Concen: 27.174 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009510.D
Acq: 06 Mar 2019 10:02

Tgt Ion:104 Resp: 180199
Ion Ratio Lower Upper
104 100
78 47.2 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 26.784 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

BFB70

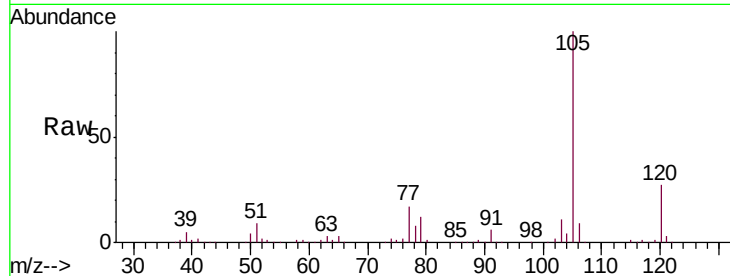
Tgt Ion:105 Resp: 297776

Ion Ratio Lower Upper

105 100

120 27.3 21.4 32.2

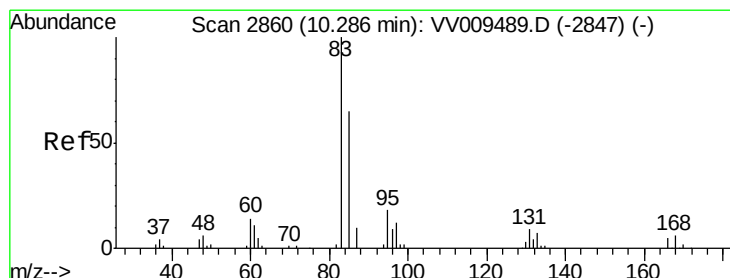
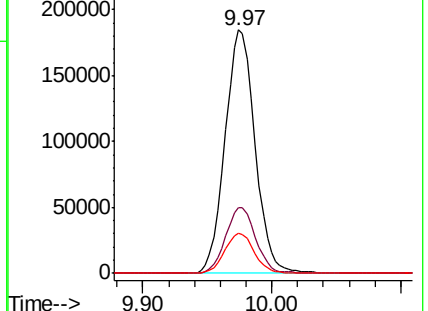
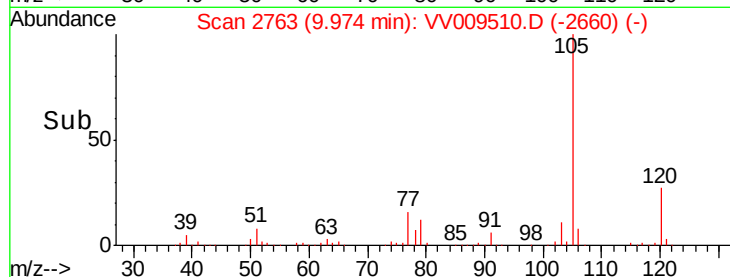
77 16.2 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 22.071 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

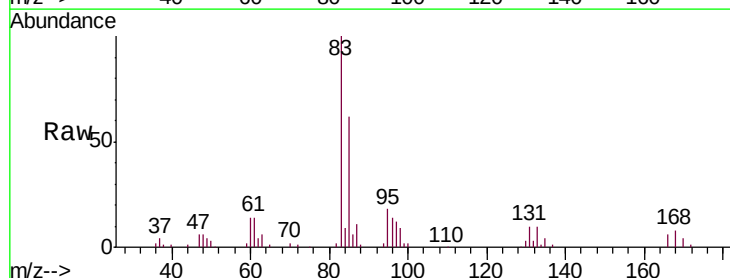
Tgt Ion: 83 Resp: 57004

Ion Ratio Lower Upper

83 100

85 62.3 44.7 83.1

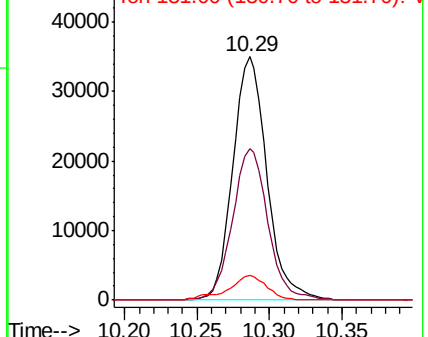
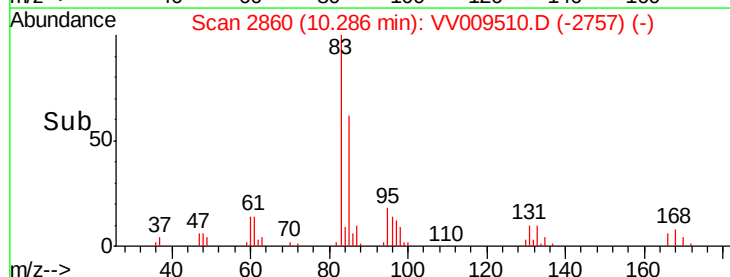
131 10.1 7.0 10.6

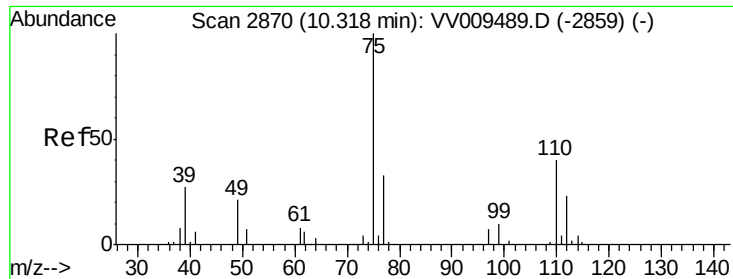


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

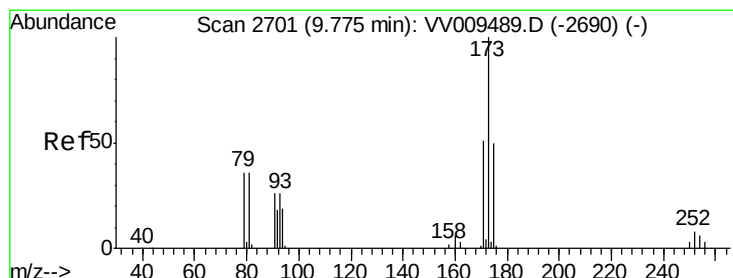
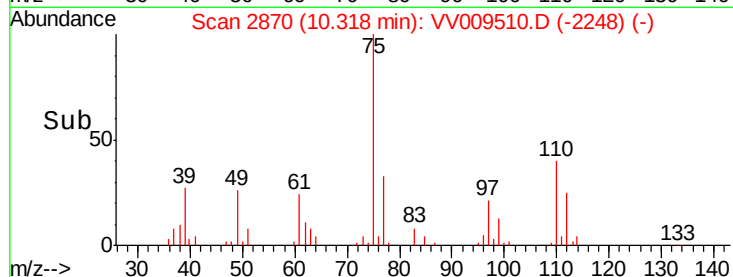
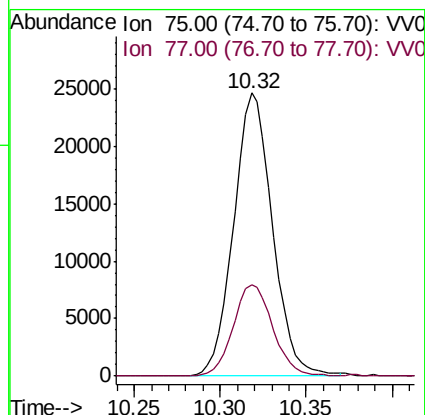
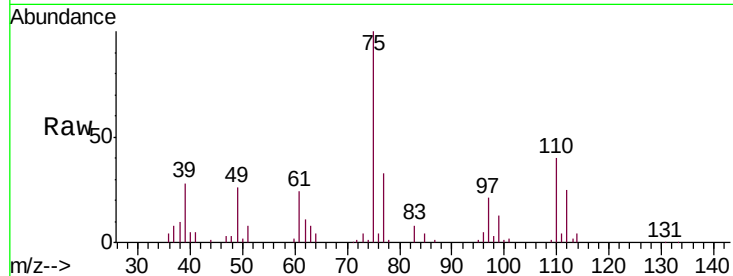




#59
 1,2,3-Trichloropropane
 Concen: 20.732 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

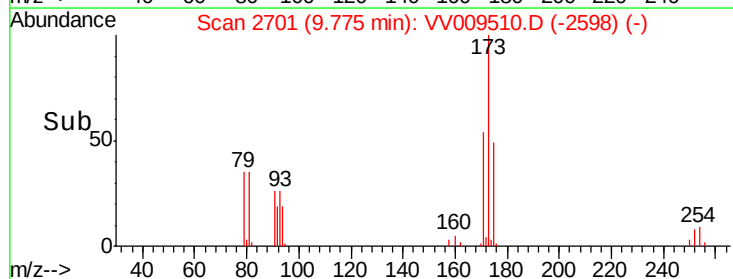
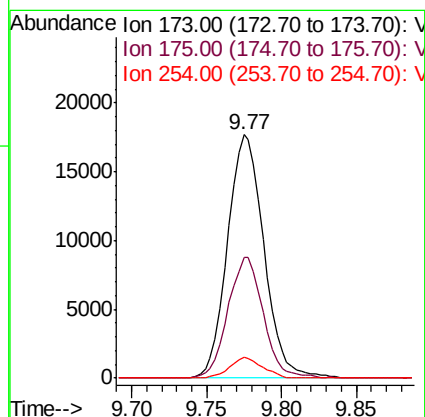
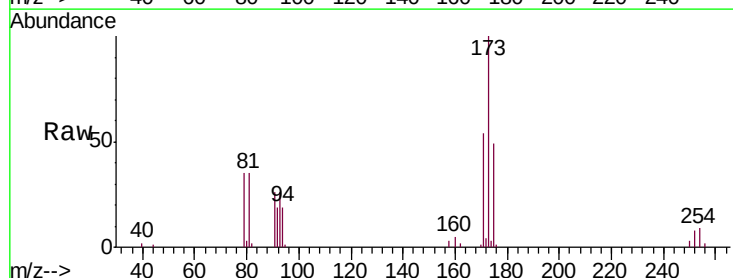
Instrument :
 MSVOA_V
 ClientSampled :
 BFB70

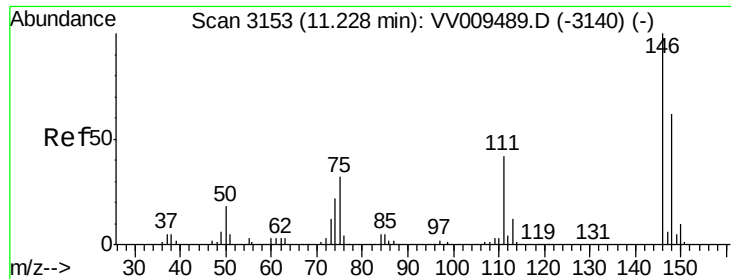
Tgt Ion: 75 Resp: 38598
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.9 38.9



#62
 Bromoform
 Concen: 22.700 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

Tgt Ion: 173 Resp: 30031
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.8 58.2
 254 7.6 5.8 8.8

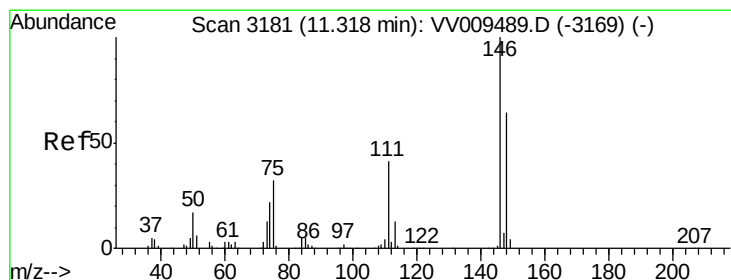
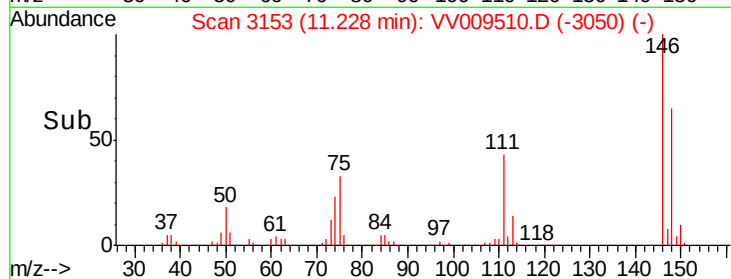
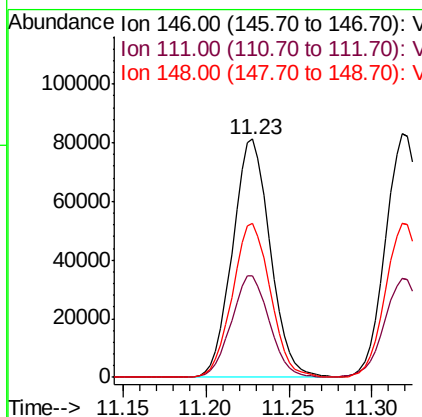
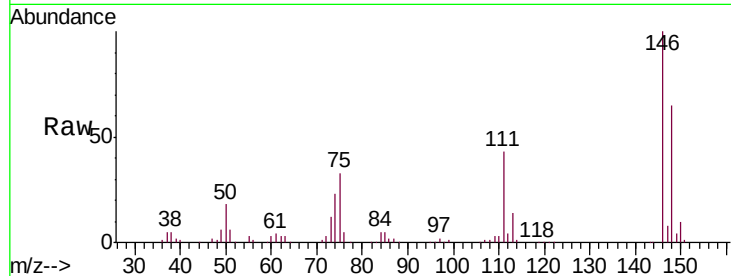




#63
 1,3-Dichlorobenzene
 Concen: 25.326 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

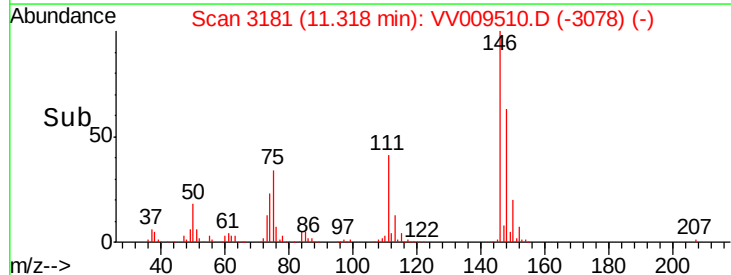
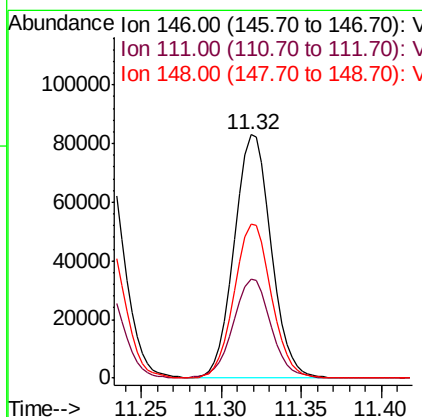
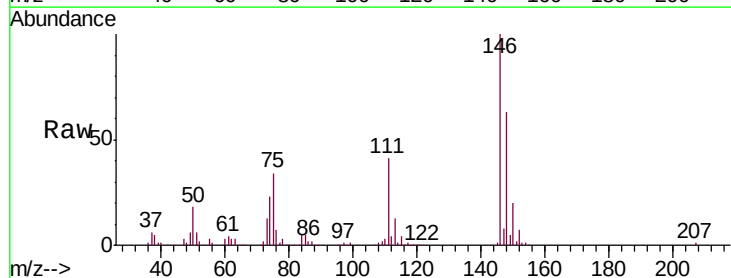
Instrument :
 MSVOA_V
 ClientSampled :
 BFB70

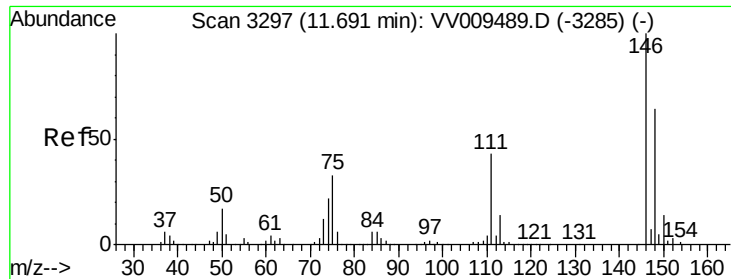
Tgt Ion:146 Resp: 128968
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.6 55.0
 148 64.5 44.8 83.2



#64
 1,4-Dichlorobenzene
 Concen: 25.052 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

Tgt Ion:146 Resp: 130366
 Ion Ratio Lower Upper
 146 100
 111 40.6 29.2 54.2
 148 63.3 43.0 79.8





#65

1,2-Dichlorobenzene

Concen: 26.020 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

BFB70

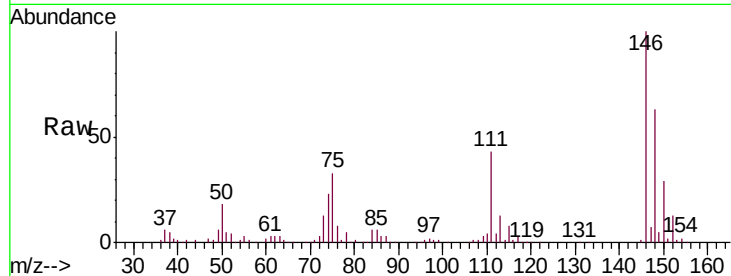
Tgt Ion:146 Resp: 123570

Ion Ratio Lower Upper

146 100

111 42.8 35.4 53.0

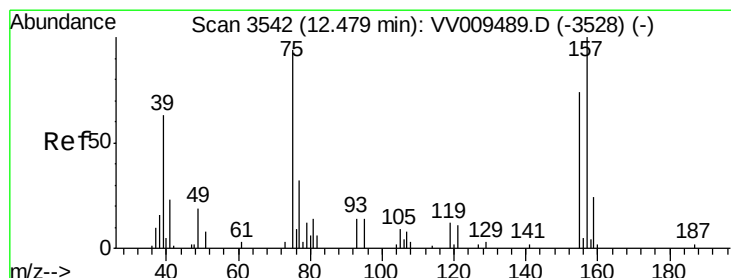
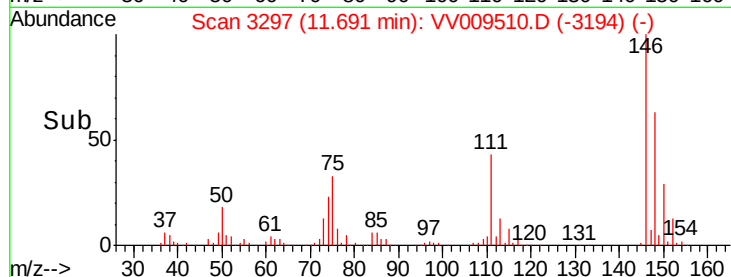
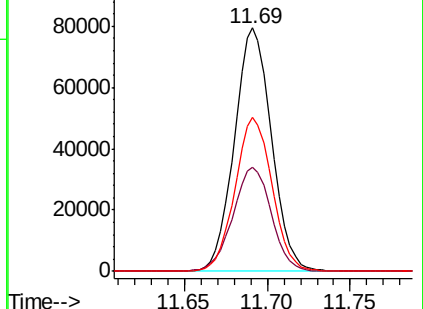
148 63.2 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 18.557 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

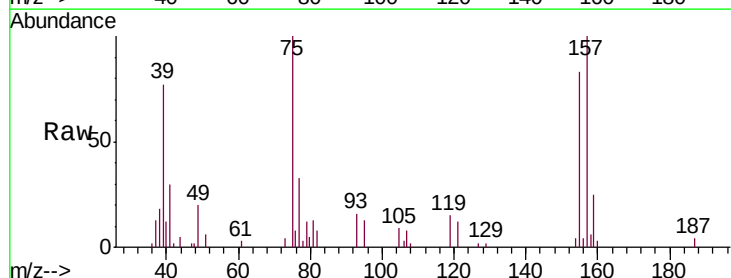
Tgt Ion: 75 Resp: 8827

Ion Ratio Lower Upper

75 100

157 99.9 81.0 121.4

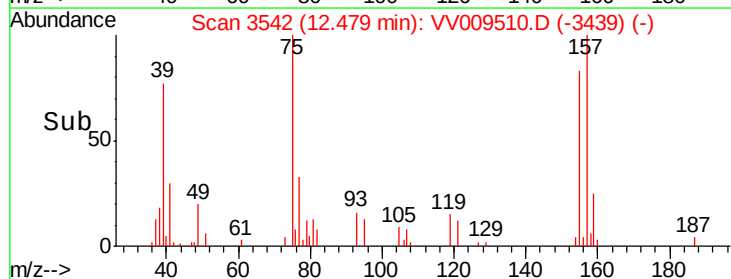
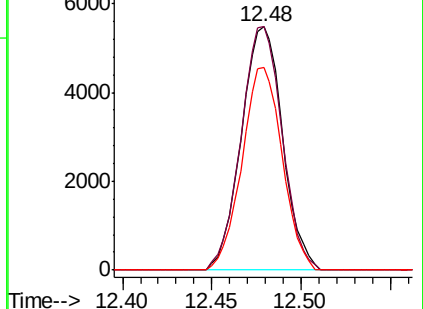
155 83.4 61.2 91.8

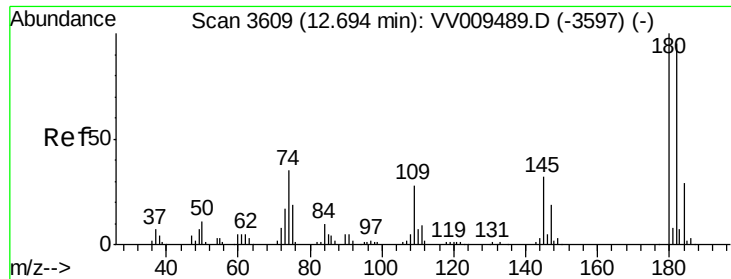


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

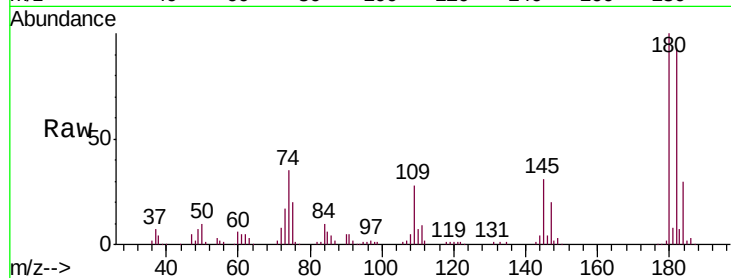




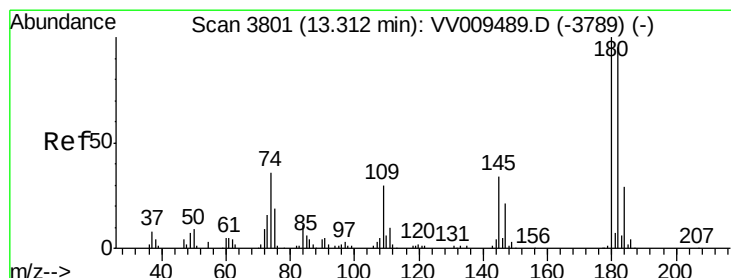
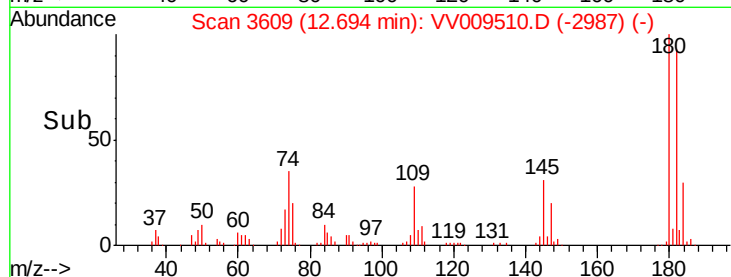
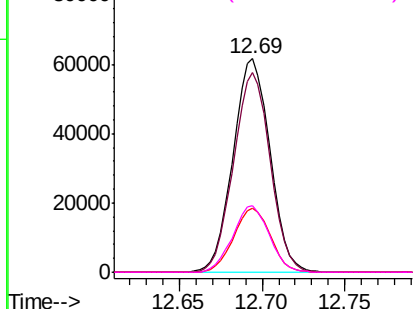
#67
 1,3,5-Trichlorobenzene
 Concen: 26.191 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB70

Tgt Ion:180 Resp: 95668
 Ion Ratio Lower Upper
 180 100
 182 92.4 75.4 113.2
 184 29.8 23.9 35.9
 145 30.8 26.0 39.0

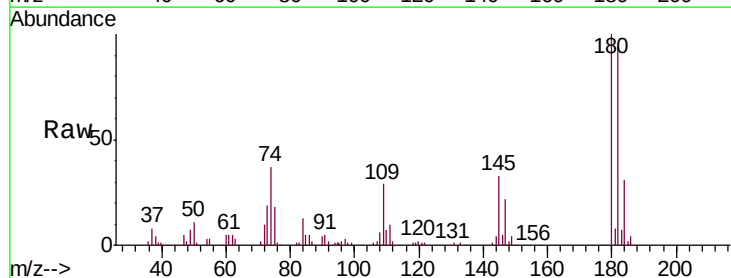


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

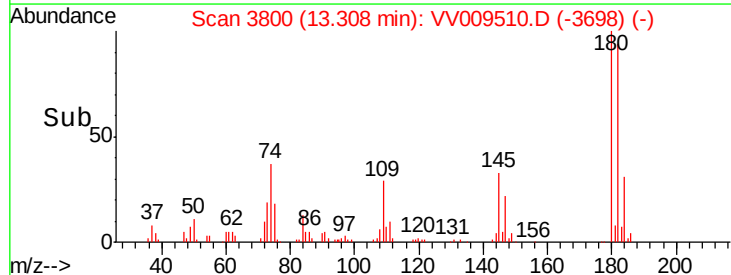
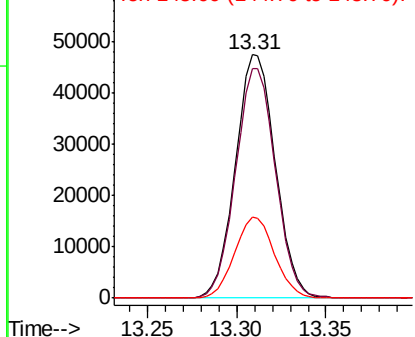


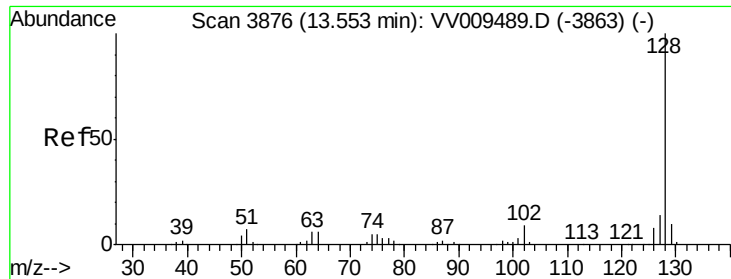
#68
 1,2,4-trichlorobenzene
 Concen: 25.443 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV009510.D
 Acq: 06 Mar 2019 10:02

Tgt Ion:180 Resp: 74409
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.9 113.9
 145 33.2 26.2 39.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 20.423 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

Instrument :

MSVOA_V

ClientSampled :

BFB70

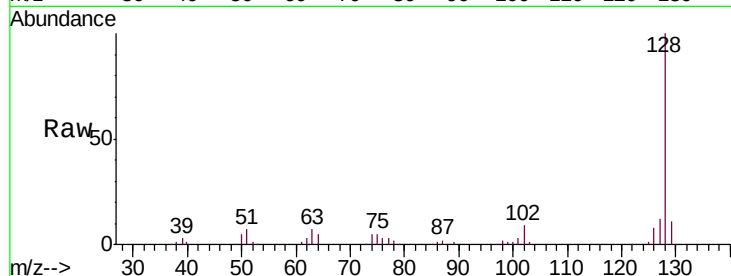
Tgt Ion:128 Resp: 125804

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

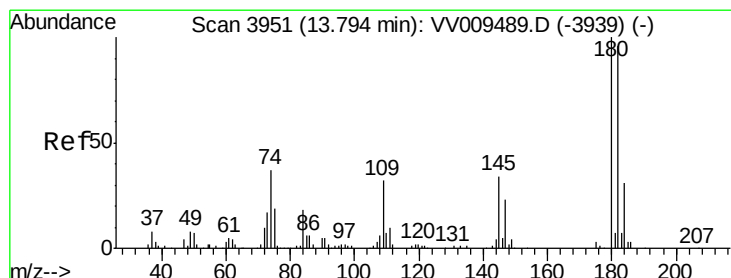
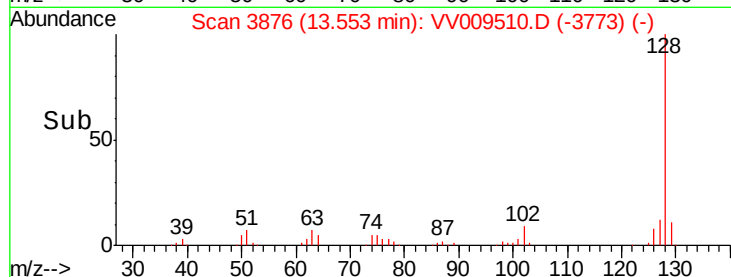
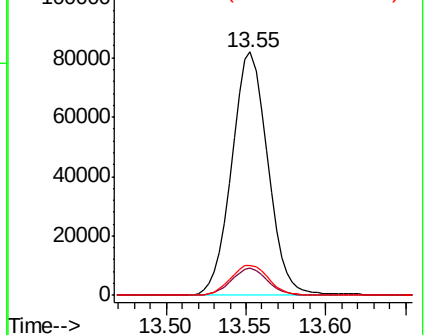
127 13.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.178 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009510.D

Acq: 06 Mar 2019 10:02

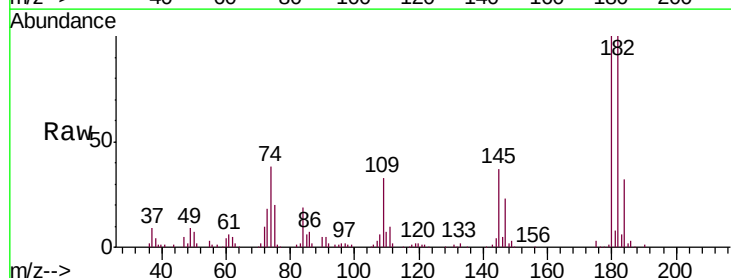
Tgt Ion:180 Resp: 65050

Ion Ratio Lower Upper

180 100

182 97.0 74.2 111.2

145 35.6 27.7 41.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

