

Data File : VV009415.D
Acq On : 28 Feb 2019 11:01
Operator : SY/MD
Sample : VSTD00162
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00162

Quant Time: Mar 01 03:27:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 03:24:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	140882	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	131184	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61739	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5911	0.77	ug/L	0.00
7) Chloroethane-d5	1.59	69	5637	0.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	15092	0.96	ug/L	0.00
20) 2-Butanone-d5	3.99	46	9833	5.44	ug/L	0.02
24) Chloroform-d	4.41	84	11608	0.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	5648	0.69	ug/L	0.00
32) Benzene-d6	5.10	84	23595	0.70	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	7320	0.74	ug/L	0.00
41) Toluene-d8	7.36	98	23075	0.72	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2974	0.77	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	9857	6.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	5606	0.82	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	8186	0.72	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	7508	0.598 ug/L	97
3) Chloromethane	1.25	50	7820	0.863 ug/L	95
5) Vinyl chloride	1.32	62	8725	0.928 ug/L	88
6) Bromomethane	1.54	94	5828	1.023 ug/L	94
8) Chloroethane	1.60	64	6078	1.099 ug/L	97
9) Trichlorofluoromethane	1.77	101	17208	1.059 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	9442	1.095 ug/L	91
12) 1,1-Dichloroethene	2.14	96	8276	1.101 ug/L	93
13) Acetone	2.23	43	11790	10.686 ug/L	98
14) Carbon disulfide	2.32	76	26212	1.126 ug/L	97
15) Methyl Acetate	2.48	43	3095	1.196 ug/L	96
16) Methylene chloride	2.54	84	8934	1.095 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	20899	1.117 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	8834	1.074 ug/L	94
19) 1,1-Dichloroethane	3.23	63	11135	0.681 ug/L	95
21) 2-Butanone	4.07	43	13884	7.337 ug/L #	68
22) cis-1,2-Dichloroethene	3.96	96	7831	0.771 ug/L	99
23) Bromochloromethane	4.30	128	3298	0.768 ug/L	94
25) Chloroform	4.43	83	13759	0.777 ug/L	99
27) 1,2-Dichloroethane	5.19	62	8151	0.806 ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	13013	0.843 ug/L	96
30) Cyclohexane	4.72	56	12676	0.853 ug/L	99
31) Carbon tetrachloride	4.87	117	10161	0.743 ug/L	99
33) Benzene	5.15	78	29459	0.800 ug/L	100
34) Trichloroethene	5.96	95	8092	0.757 ug/L	98
35) Methylcyclohexane	6.18	83	14345	0.851 ug/L	96
37) 1,2-Dichloropropane	6.23	63	7894	0.880 ug/L	99
38) Bromodichloromethane	6.56	83	10221	0.893 ug/L #	98
39) cis-1,3-Dichloropropene	7.07	75	11065	0.851 ug/L	94
40) 4-Methyl-2-pentanone	7.29	43	39911	8.657 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	34463	0.857	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	8490	0.845	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	5451	0.855	ug/L	89
47) Tetrachloroethene	8.02	164	6750	0.794	ug/L	96
48) 2-Hexanone	8.20	43	24545	7.576	ug/L	96
49) Dibromochloromethane	8.29	129	6943	0.918	ug/L	98
50) 1,2-Dibromoethane	8.40	107	4881	0.816	ug/L #	92
51) Chlorobenzene	8.93	112	21727	0.819	ug/L	98
52) Ethylbenzene	9.06	91	38463	0.867	ug/L	100
53) m,p-xylene	9.18	106	14506	0.851	ug/L	88
54) o-xylene	9.59	106	14519	0.888	ug/L	97
55) Styrene	9.61	104	23436	0.876	ug/L	96
56) Isopropylbenzene	9.98	105	38379	0.873	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	6417	0.968	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	4177	0.780	ug/L	92
61) Bromoform	9.78	173	3185	0.852	ug/L #	98
62) 1,3-Dichlorobenzene	11.23	146	17060	0.847	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	16235	0.798	ug/L	91
65) 1,2-Dichlorobenzene	11.69	146	15764	0.854	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	969	0.975	ug/L	93
67) 1,3,5-Trichlorobenzene	12.70	180	11888	0.804	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	8245	0.745	ug/L	96
69) Naphthalene	13.56	128	13342	0.811	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	7692	0.748	ug/L	99

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

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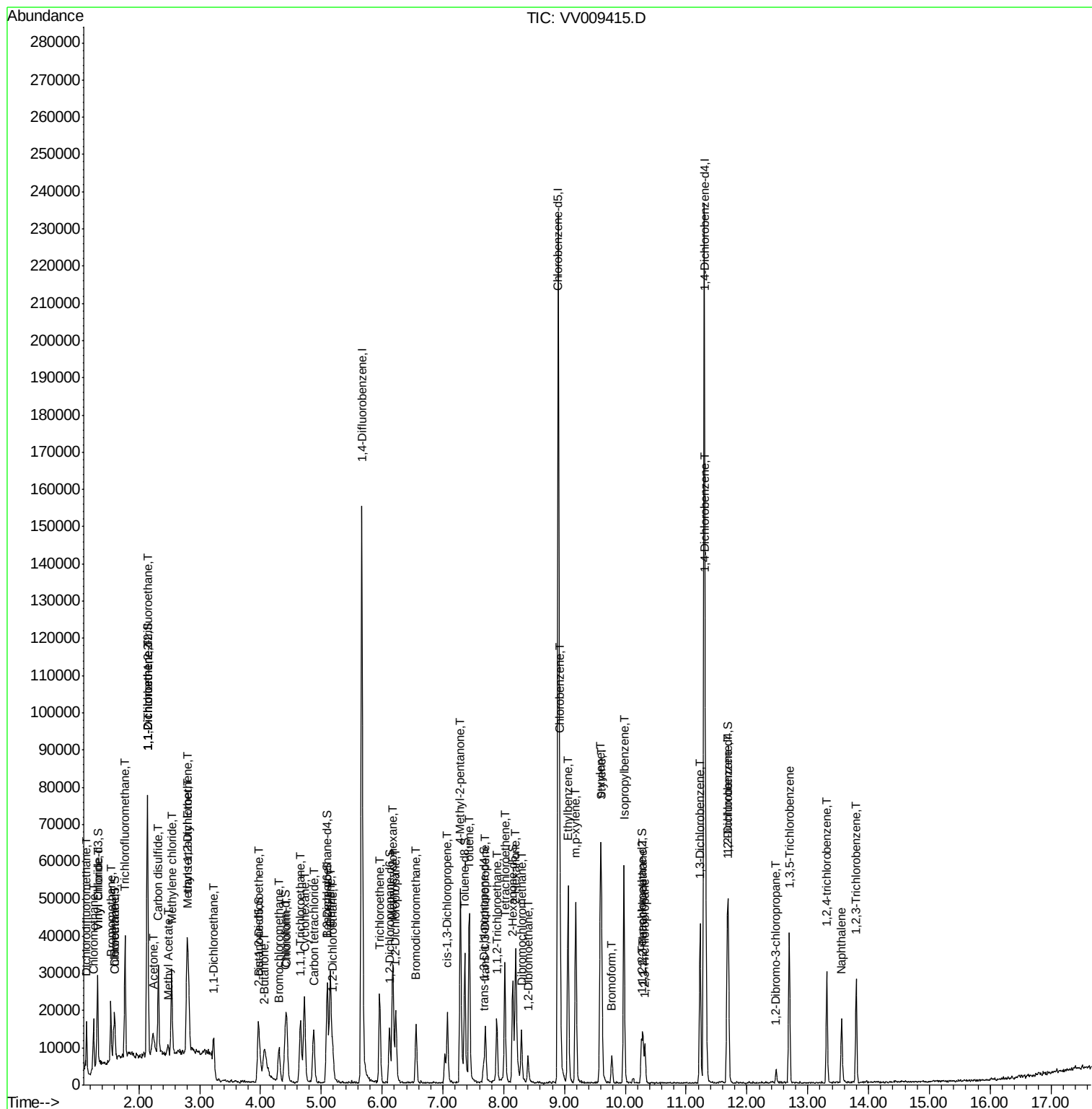
Quant Time: Mar 01 03:27:50 2019

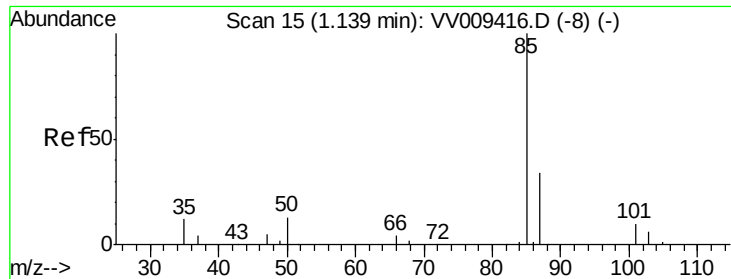
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR022819WMA.M

Quant Title : TRACE VOA SOM01.0

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.598 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

Instrument :

MSVOA_V

ClientSampleId :

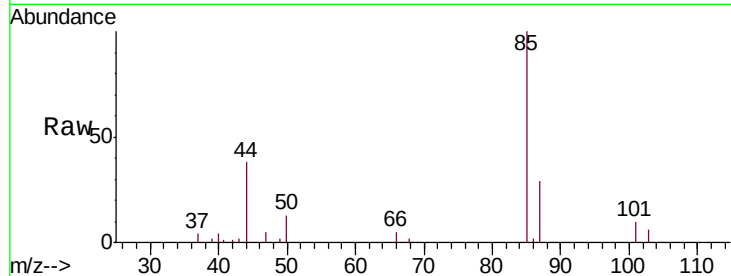
VSTD00162

Tgt Ion: 85 Resp: 7508

Ion Ratio Lower Upper

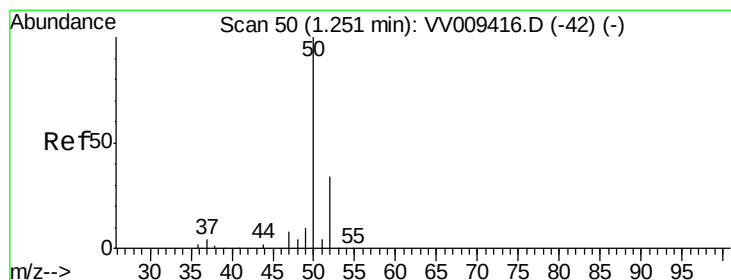
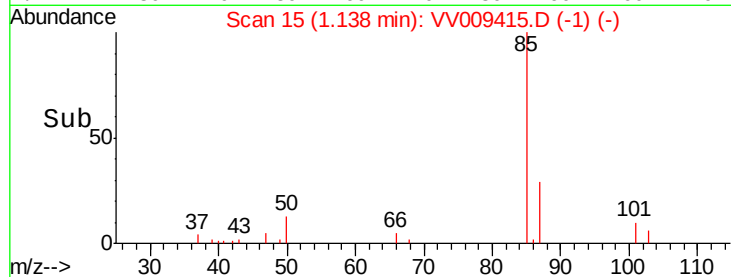
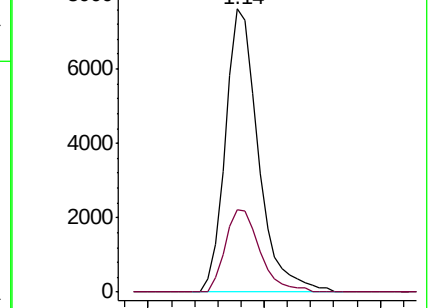
85 100

87 30.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.863 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009415.D

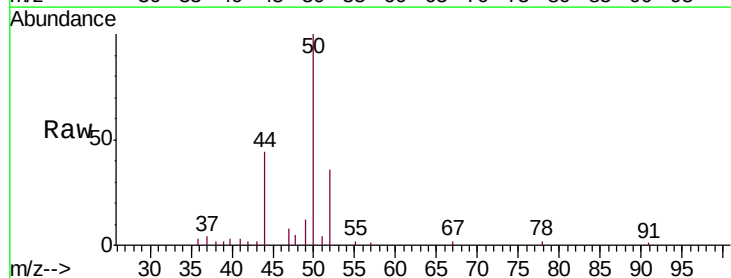
Acq: 28 Feb 2019 11:01

Tgt Ion: 50 Resp: 7820

Ion Ratio Lower Upper

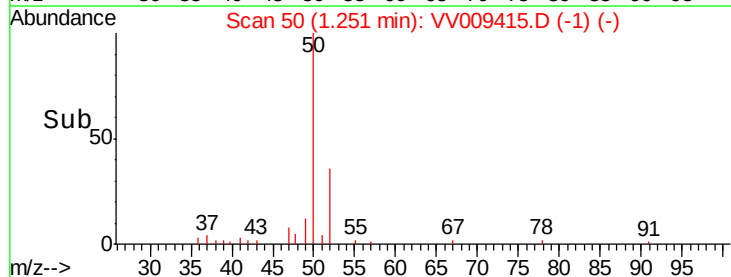
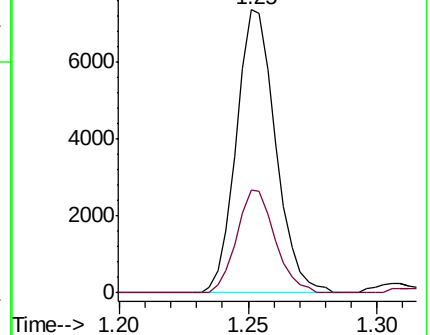
50 100

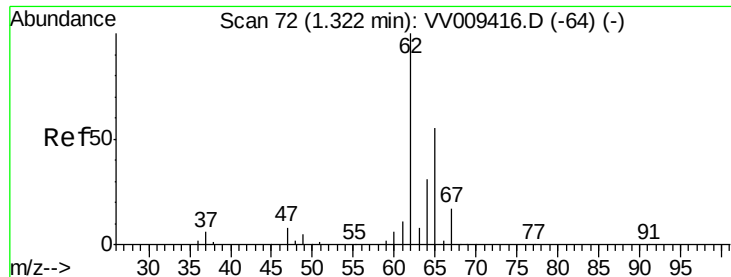
52 36.4 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.928 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

Instrument :

MSVOA_V

ClientSampleId :

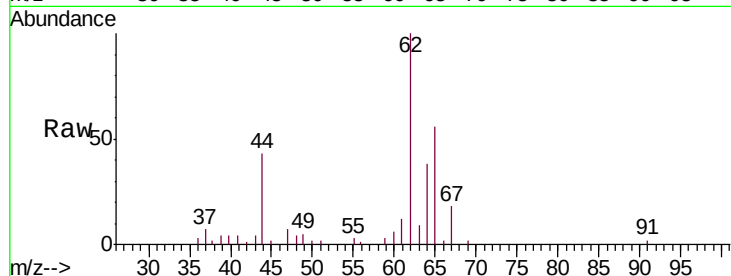
VSTD00162

Tgt Ion: 62 Resp: 8725

Ion Ratio Lower Upper

62 100

64 37.5 21.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

8000

6000

4000

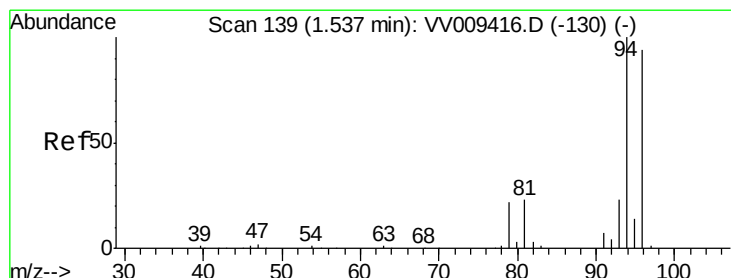
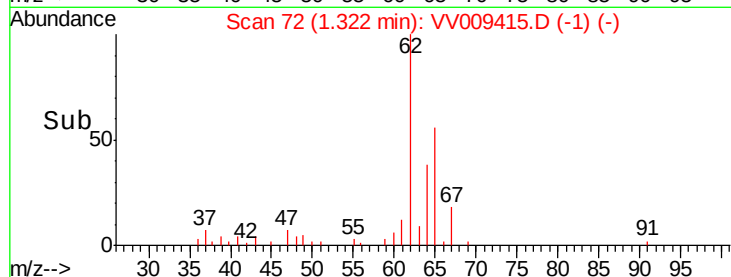
2000

0

Time-->

1.30

1.35



#6

Bromomethane

Concen: 1.023 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV009415.D

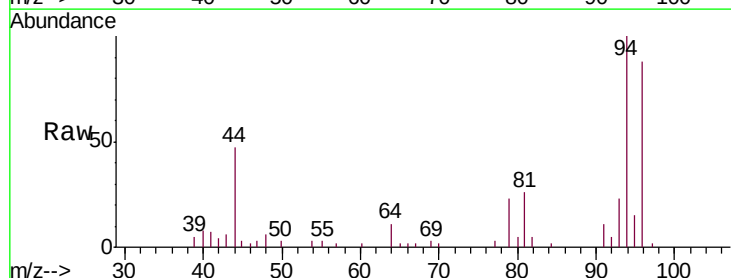
Acq: 28 Feb 2019 11:01

Tgt Ion: 94 Resp: 5828

Ion Ratio Lower Upper

94 100

96 88.4 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

6000

5000

4000

3000

2000

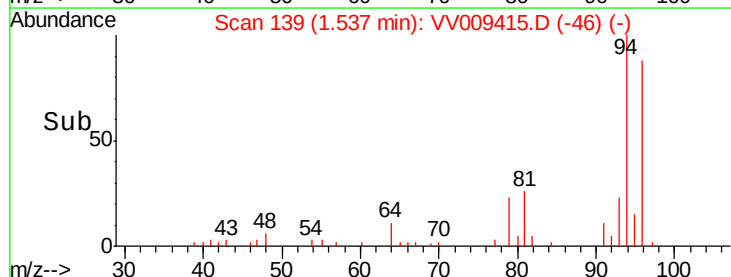
1000

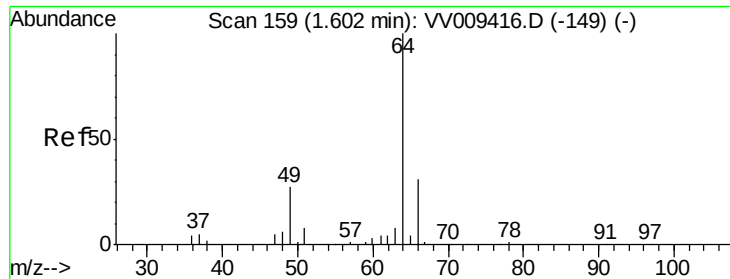
0

Time-->

1.50

1.55





#8

Chloroethane

Concen: 1.099 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

Instrument :

MSVOA_V

ClientSampleId :

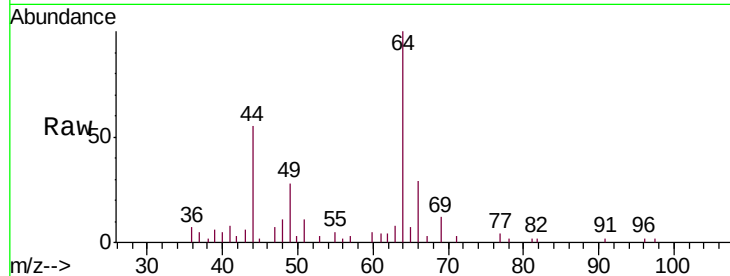
VSTD00162

Tgt Ion: 64 Resp: 6078

Ion Ratio Lower Upper

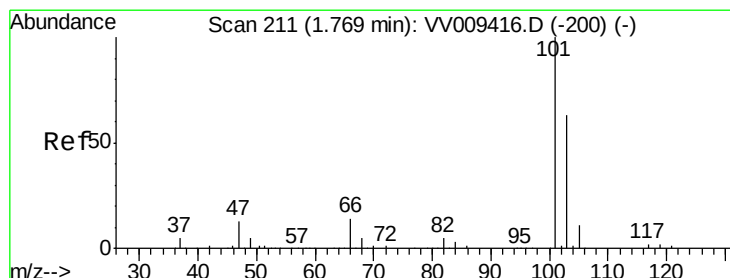
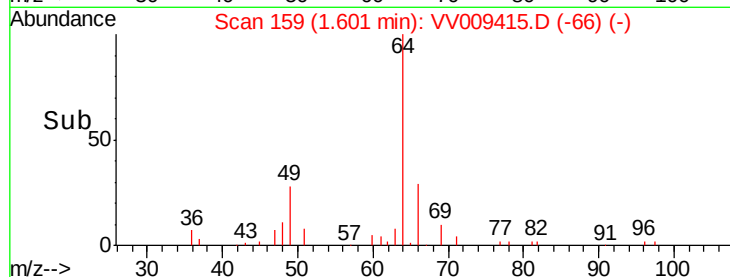
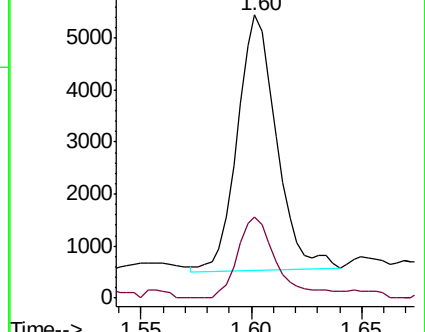
64 100

66 28.8 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VV009415.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV009415.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 1.059 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV009415.D

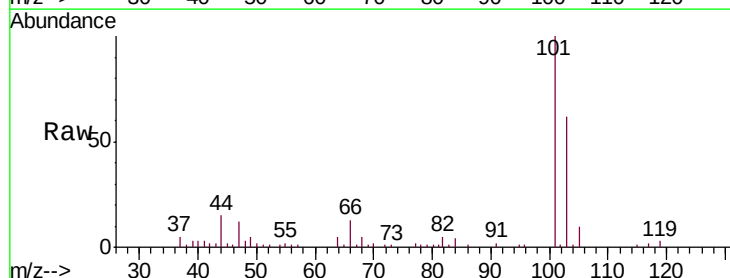
Acq: 28 Feb 2019 11:01

Tgt Ion: 101 Resp: 17208

Ion Ratio Lower Upper

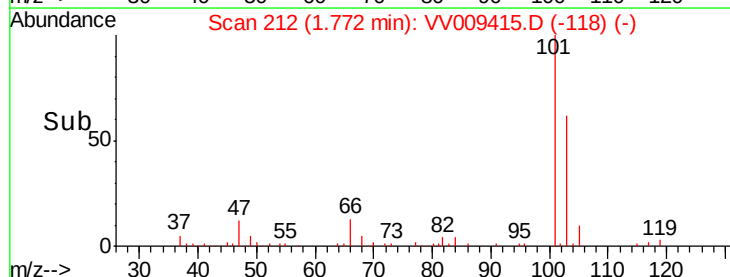
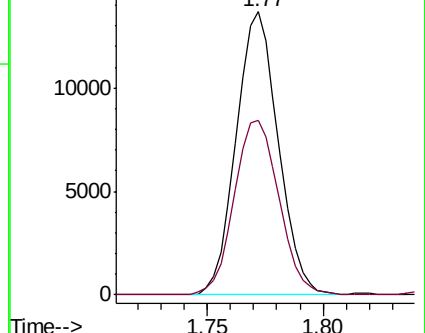
101 100

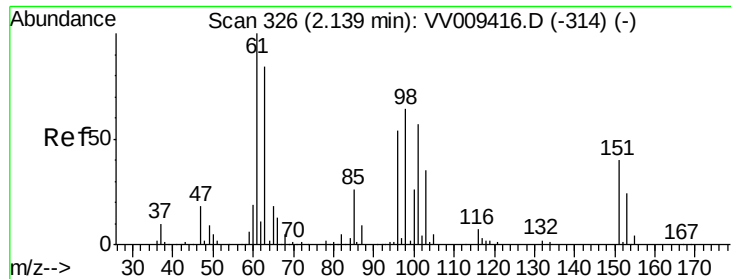
103 65.6 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV009415.D (-118) (-)

Ion 103.00 (102.70 to 103.70): VV009415.D (-118) (-)





#10

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

Concen: 1.095 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00162

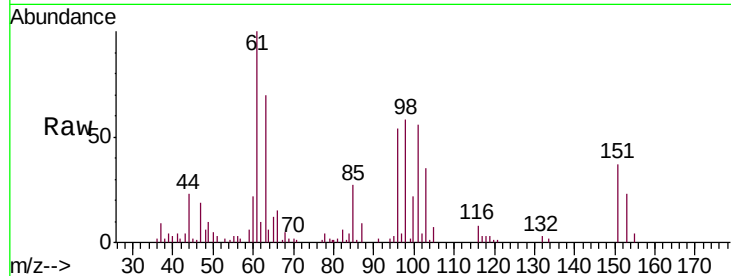
Tgt Ion:101 Resp: 9442

Ion Ratio Lower Upper

101 100

85 54.0 38.2 57.4

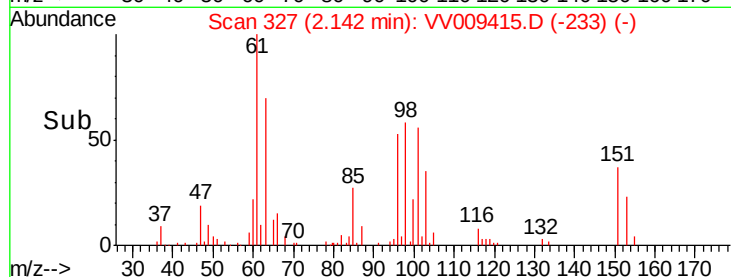
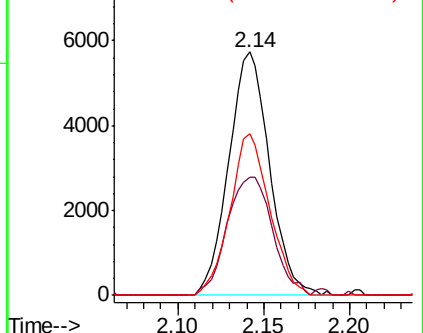
151 64.7 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.101 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

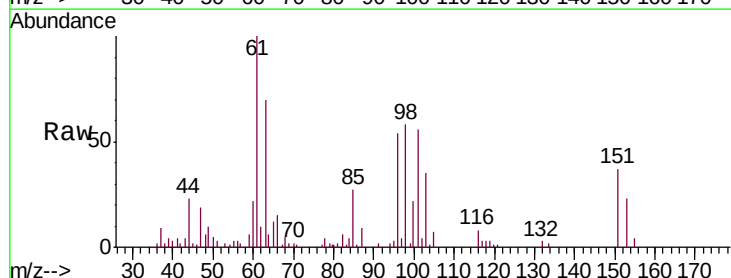
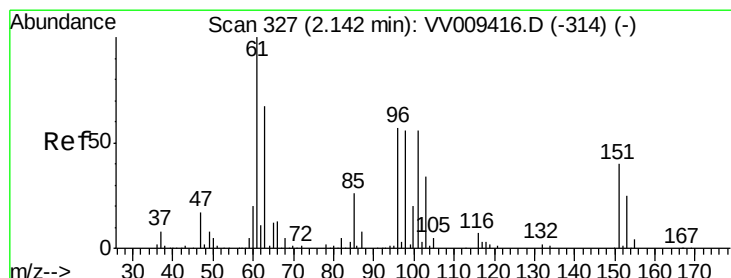
Tgt Ion: 96 Resp: 8276

Ion Ratio Lower Upper

96 100

61 183.7 123.1 228.5

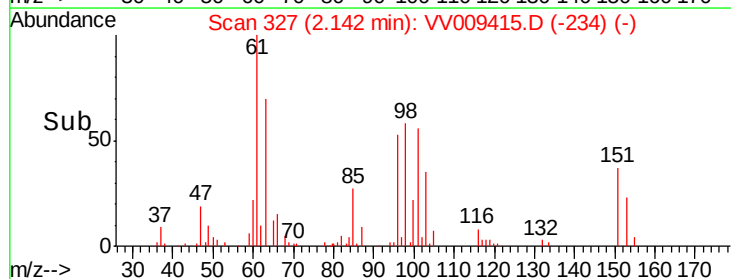
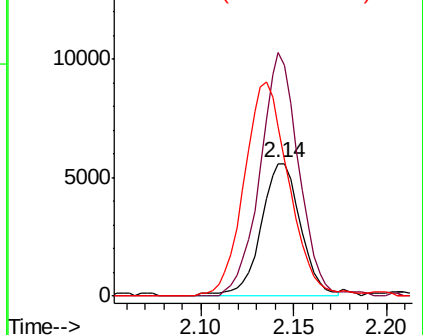
63 128.0 82.9 153.9

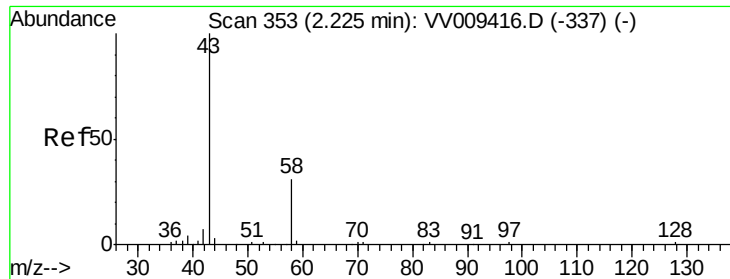


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 10.686 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

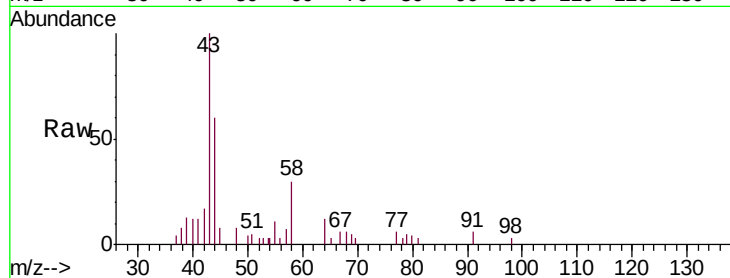
VSTD00162

Tgt Ion: 43 Resp: 11790

Ion Ratio Lower Upper

43 100

58 32.2 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV009415.D (-260) (-)

Ion 58.05 (57.75 to 58.75): VV009415.D (-260) (-)

2.23

4000

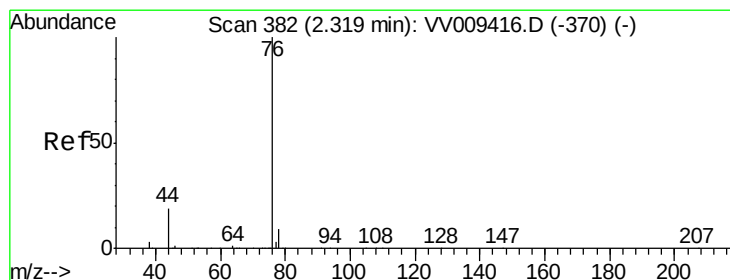
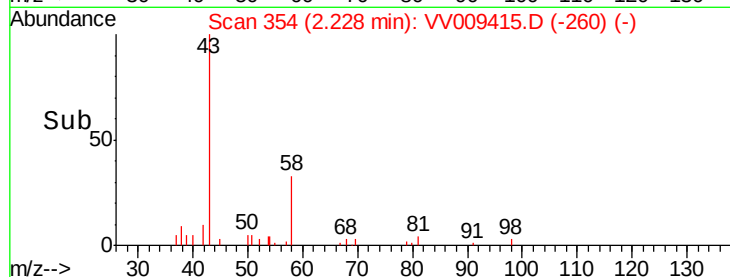
3000

2000

1000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 1.126 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV009415.D

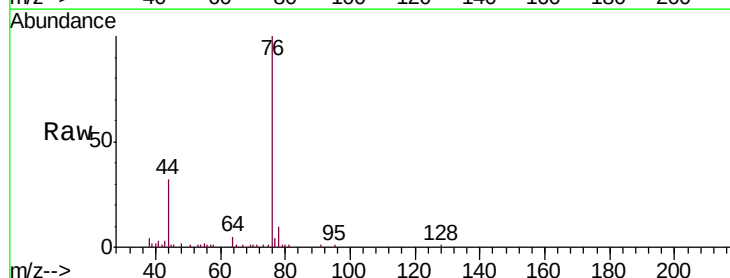
Acq: 28 Feb 2019 11:01

Tgt Ion: 76 Resp: 26212

Ion Ratio Lower Upper

76 100

78 10.3 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV009415.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV009415.D (-289) (-)

20000

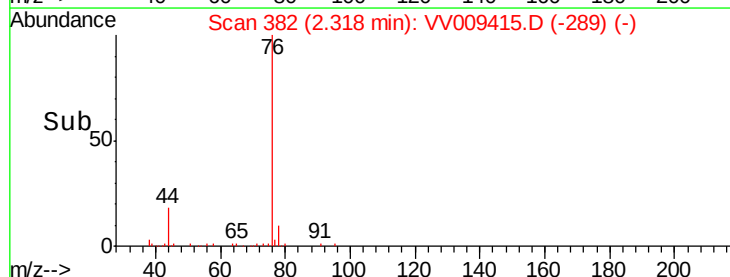
15000

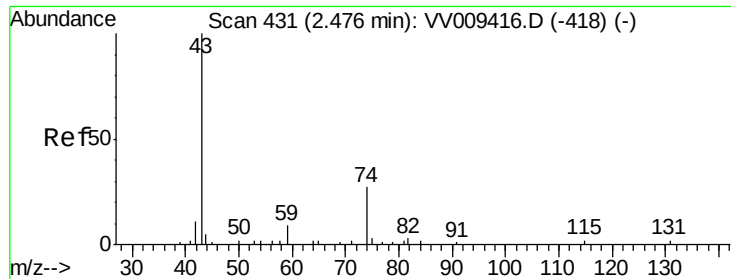
10000

5000

0

Time--> 2.25 2.30 2.35 2.40

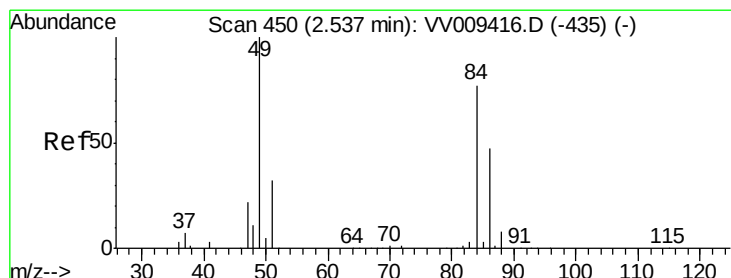
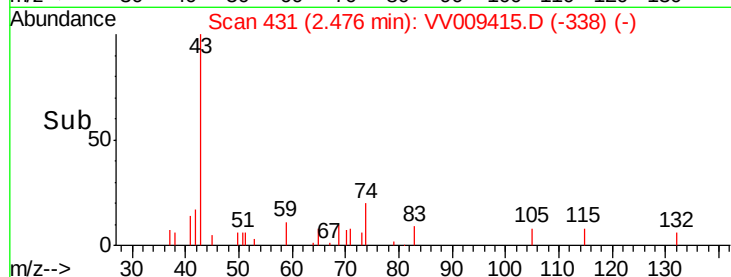
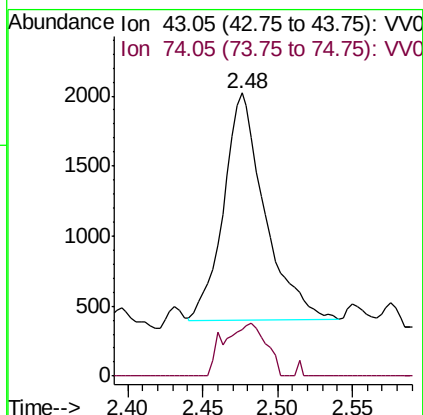
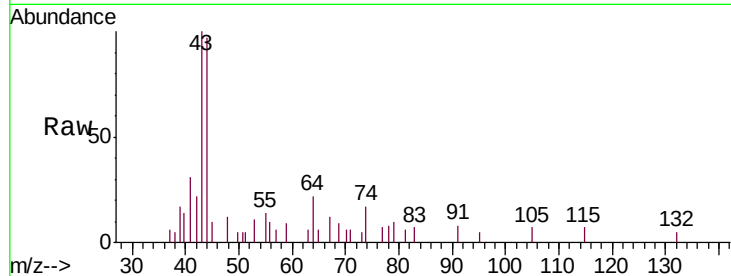




#15
Methyl Acetate
Concen: 1.196 ug/L
RT: 2.48 min Scan# 431
Delta R.T. -0.00 min
Lab File: VV009415.D
Acq: 28 Feb 2019 11:01

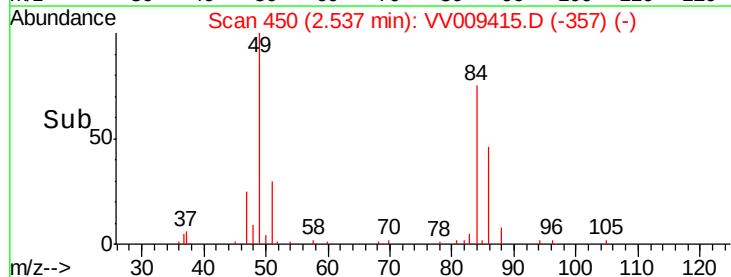
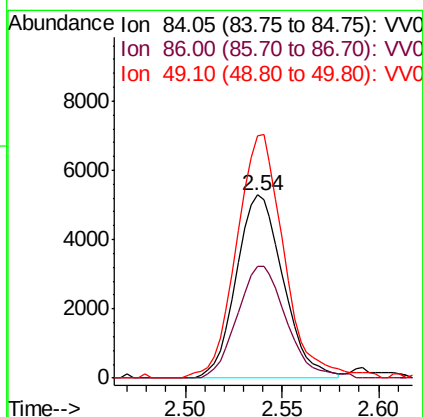
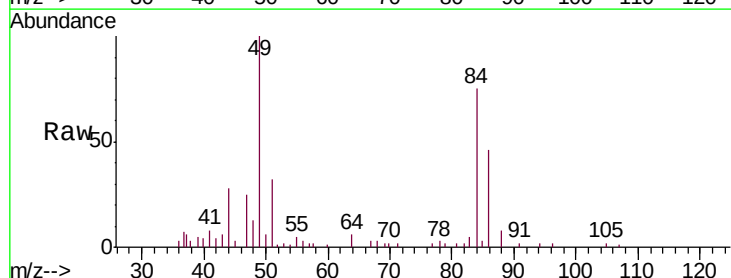
Instrument :
MSVOA_V
ClientSampleId :
VSTD00162

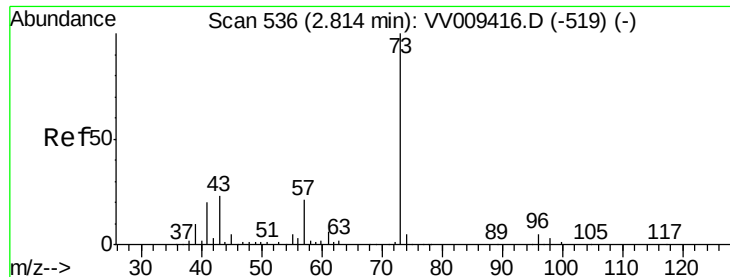
Tgt Ion: 43 Resp: 3095
Ion Ratio Lower Upper
43 100
74 23.7 20.6 30.8



#16
Methylene chloride
Concen: 1.095 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV009415.D
Acq: 28 Feb 2019 11:01

Tgt Ion: 84 Resp: 8934
Ion Ratio Lower Upper
84 100
86 61.2 42.8 79.4
49 132.5 90.6 168.2



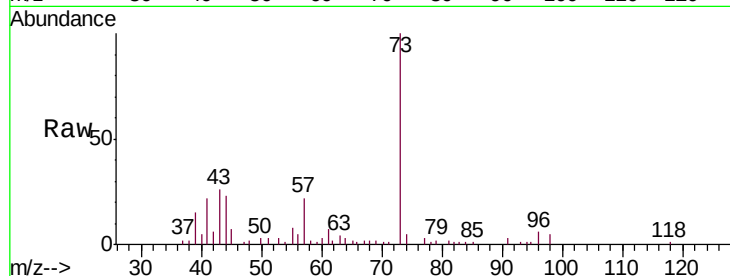


#17

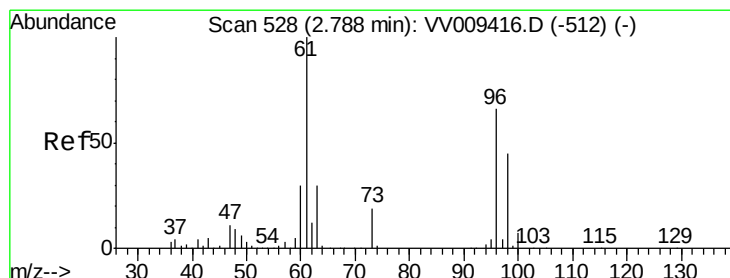
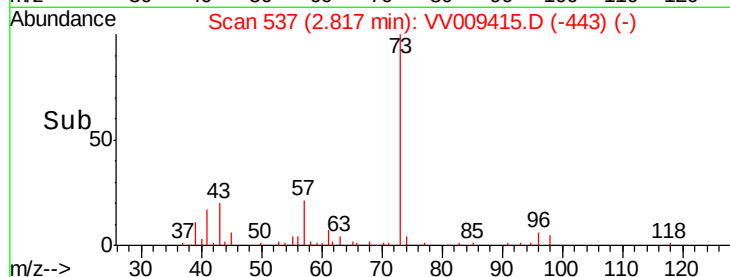
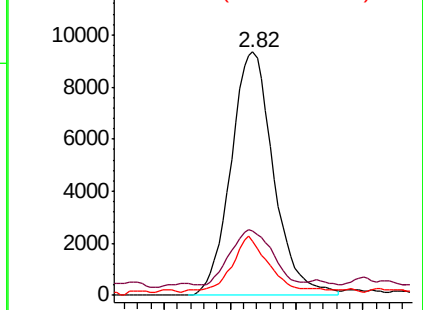
Methyl tert-butyl Ether
Concen: 1.117 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV009415.D
Acq: 28 Feb 2019 11:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00162

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.8	18.1	27.1
57	19.9	15.8	23.8



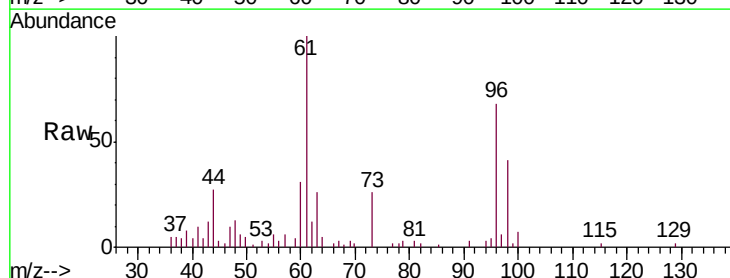
Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0



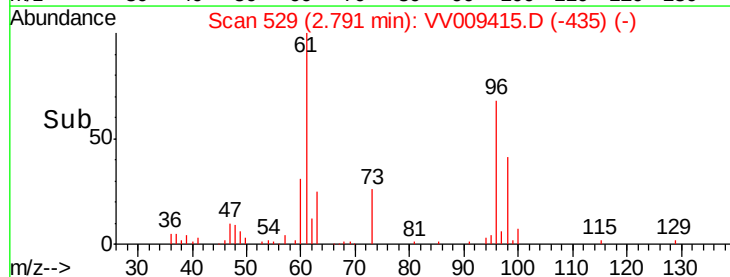
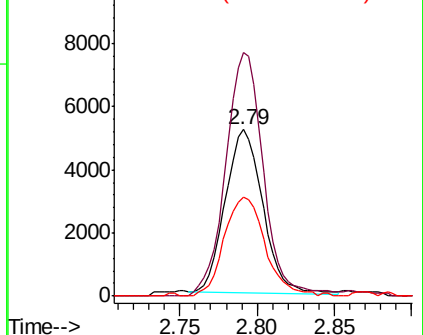
#18

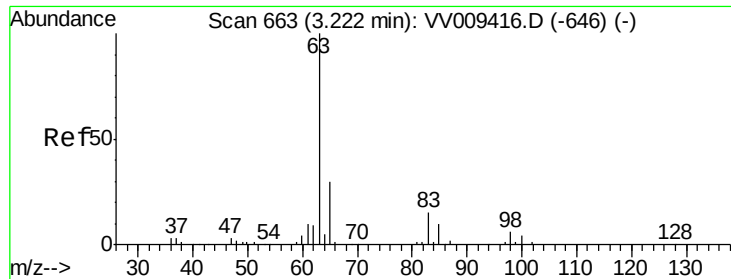
trans-1,2-Dichloroethene
Concen: 1.074 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009415.D
Acq: 28 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.4	106.0	196.8
98	59.7	48.2	89.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

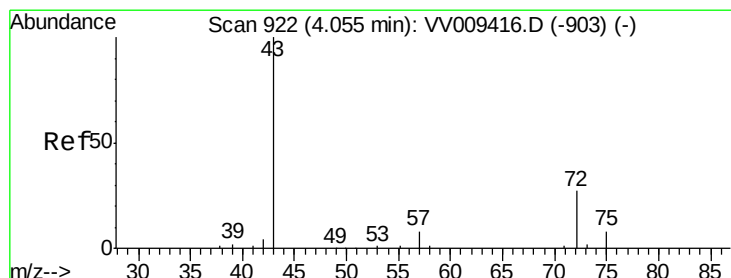
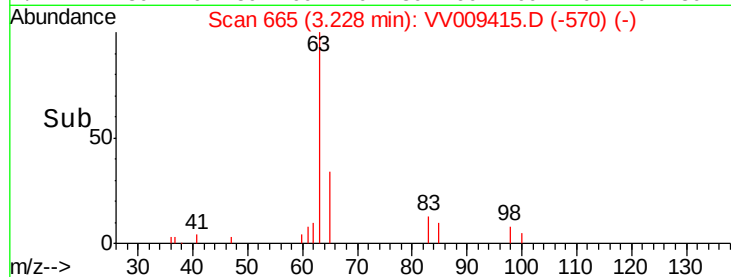
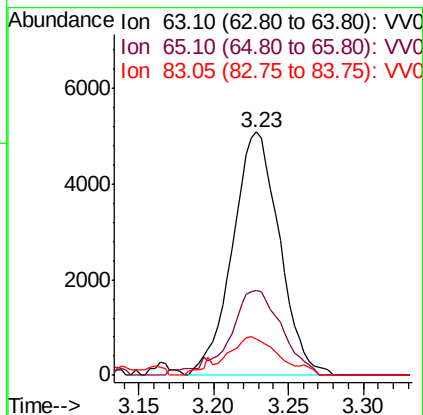
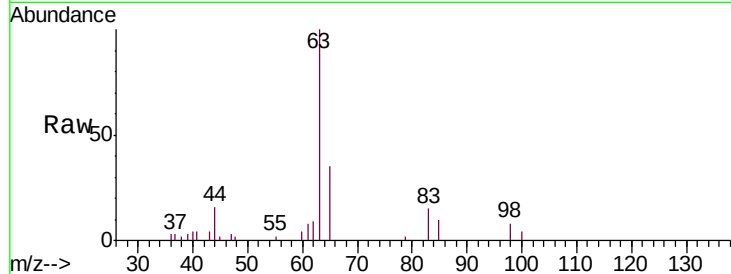




#19
 1,1-Dichloroethane
 Concen: 0.681 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

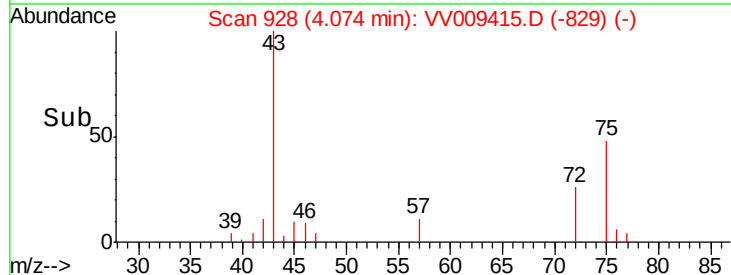
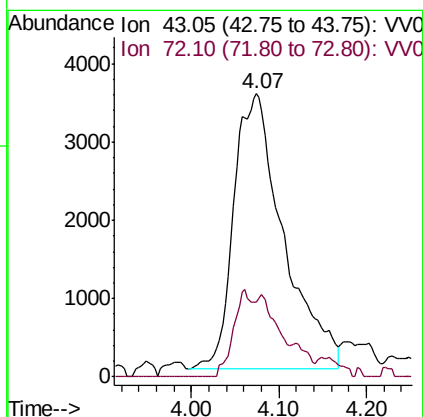
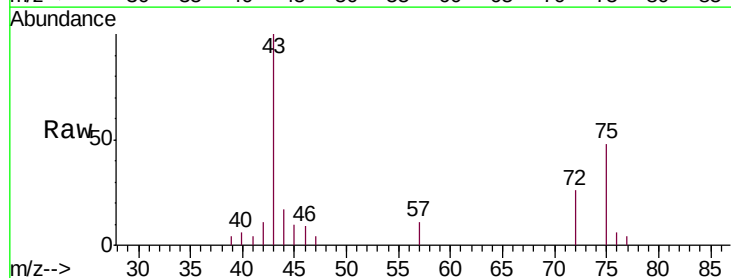
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00162

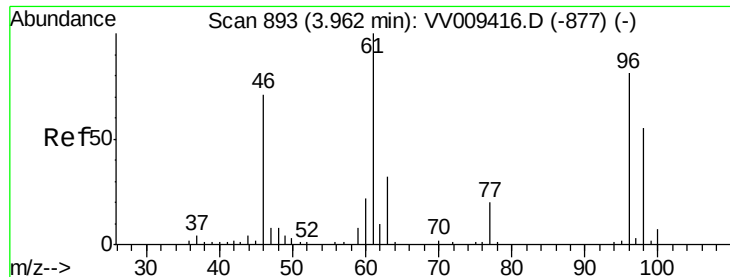
Tgt Ion: 63 Resp: 11135
 Ion Ratio Lower Upper
 63 100
 65 35.0 21.6 40.2
 83 15.0 10.4 19.4



#21
 2-Butanone
 Concen: 7.337 ug/L
 RT: 4.07 min Scan# 928
 Delta R.T. 0.02 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

Tgt Ion: 43 Resp: 13884
 Ion Ratio Lower Upper
 43 100
 72 13.4 15.4 46.1#

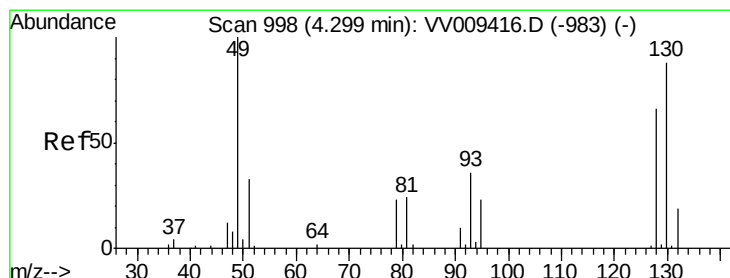
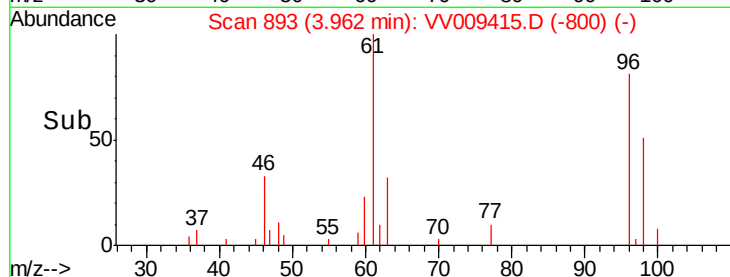
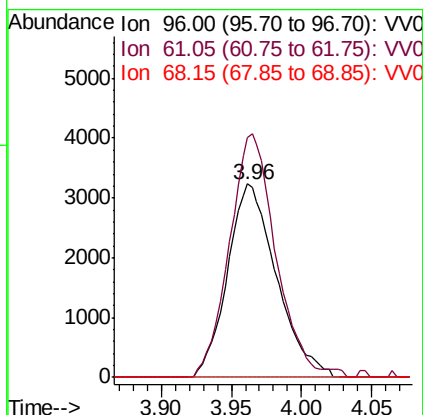
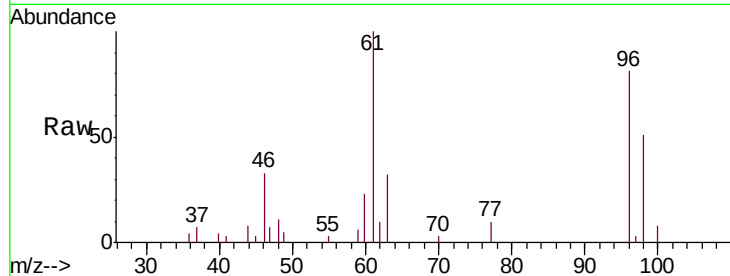




#22
 cis-1,2-Dichloroethene
 Concen: 0.771 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

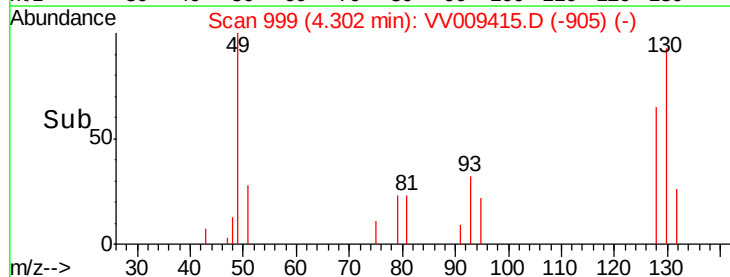
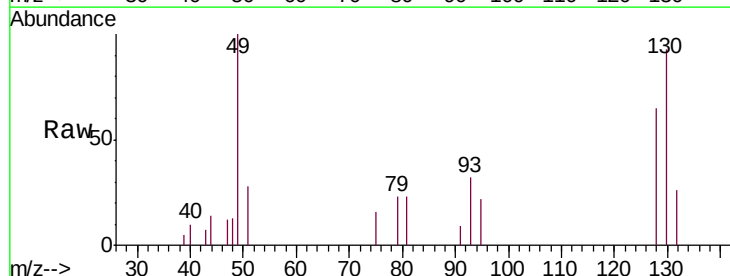
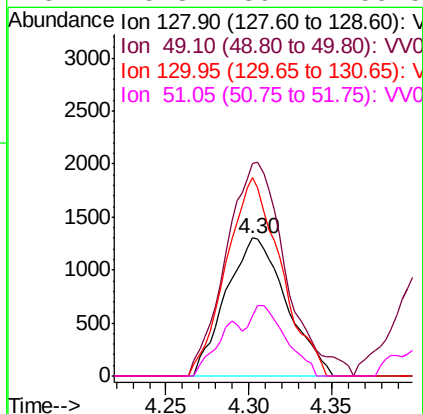
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00162

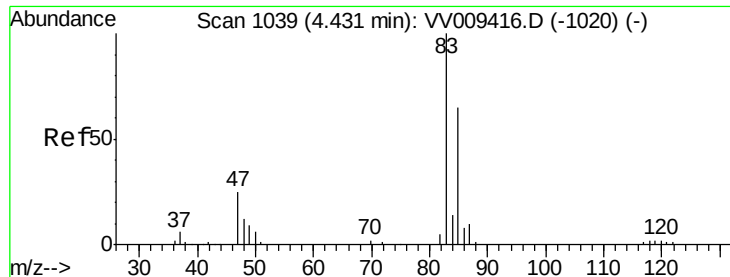
Tgt Ion: 96 Resp: 7831
 Ion Ratio Lower Upper
 96 100
 61 124.1 86.0 159.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 0.768 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

Tgt Ion: 128 Resp: 3298
 Ion Ratio Lower Upper
 128 100
 49 154.1 105.8 196.4
 130 143.5 93.2 173.0
 51 43.8 39.7 59.5

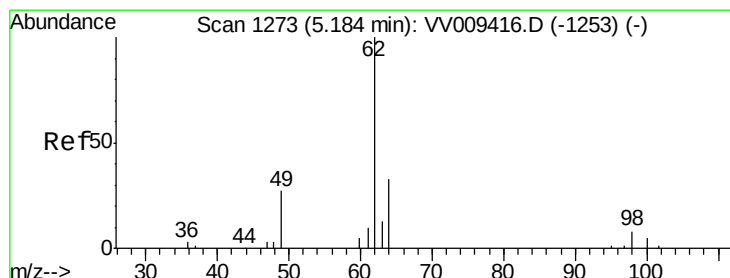
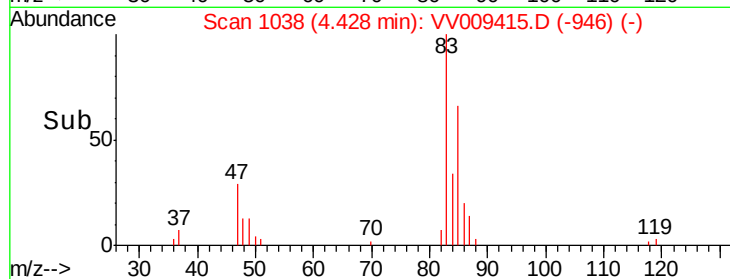
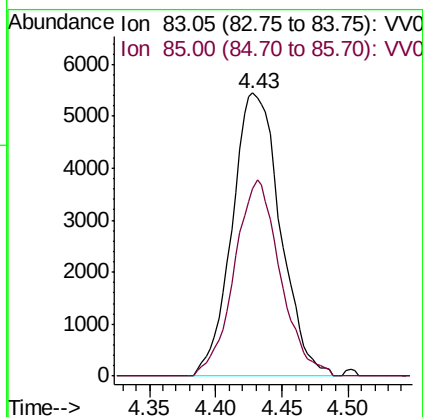
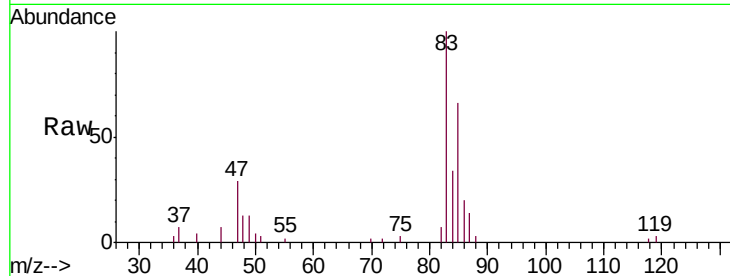




#25
Chloroform
Concen: 0.777 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009415.D
Acq: 28 Feb 2019 11:01

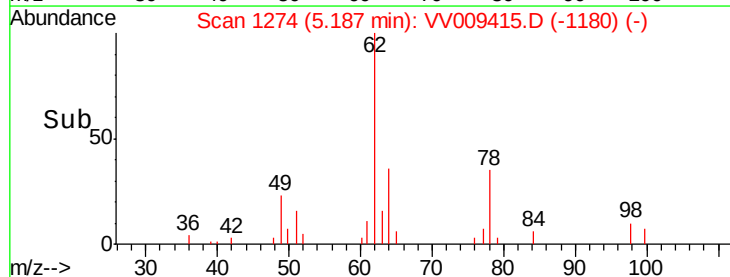
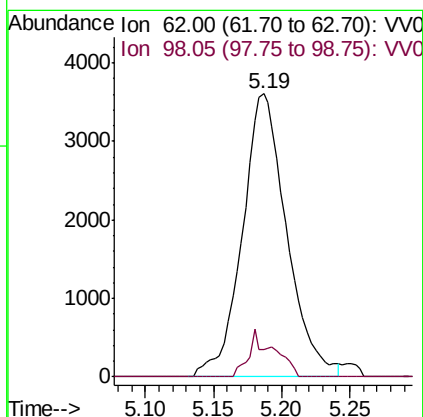
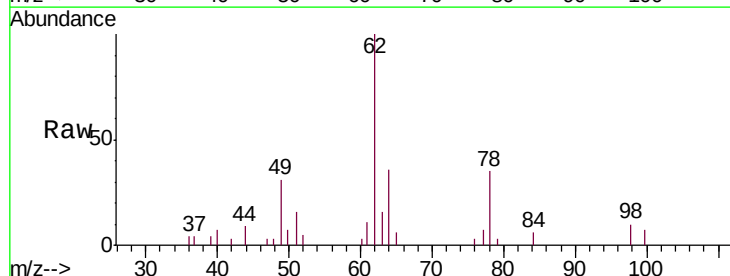
Instrument :
MSVOA_V
ClientSampleId :
VSTD00162

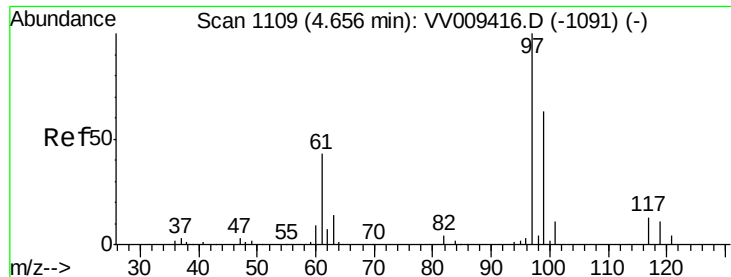
Tgt Ion: 83 Resp: 13759
Ion Ratio Lower Upper
83 100
85 66.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.806 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV009415.D
Acq: 28 Feb 2019 11:01

Tgt Ion: 62 Resp: 8151
Ion Ratio Lower Upper
62 100
98 9.9 6.6 10.0

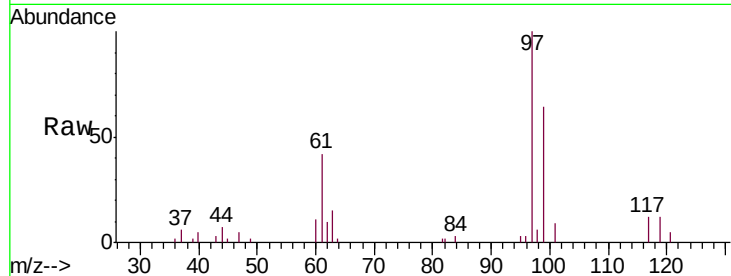




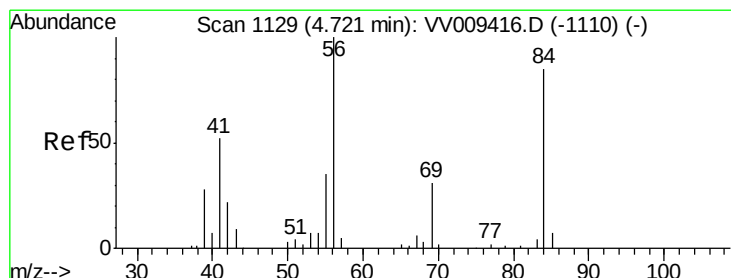
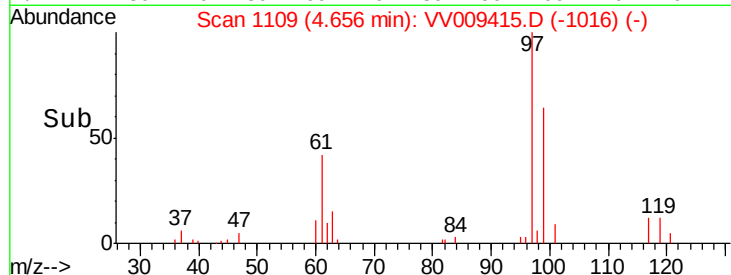
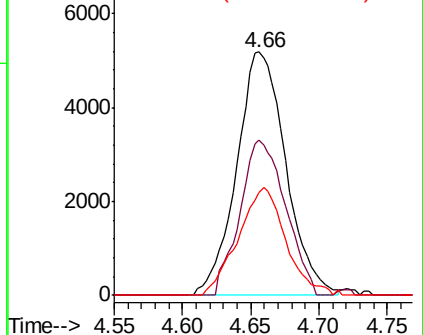
#29
 1,1,1-Trichloroethane
 Concen: 0.843 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00162

Tgt Ion: 97 Resp: 13013
 Ion Ratio Lower Upper
 97 100
 99 58.9 50.5 75.7
 61 42.7 35.1 52.7

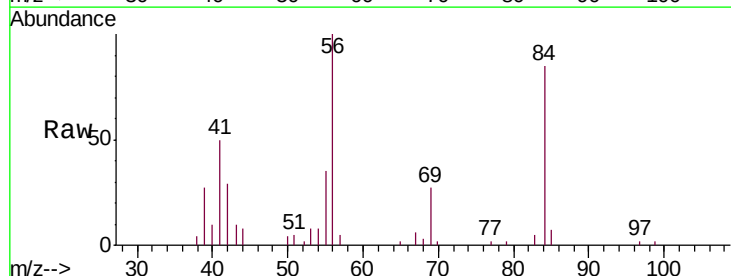


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

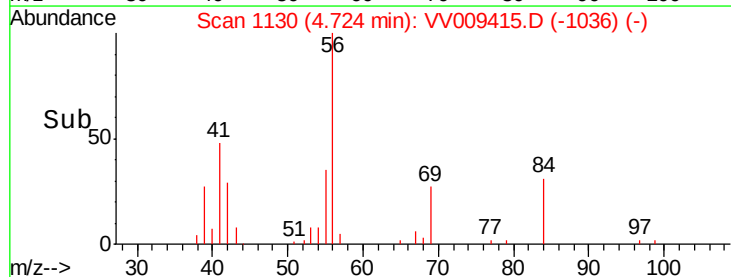
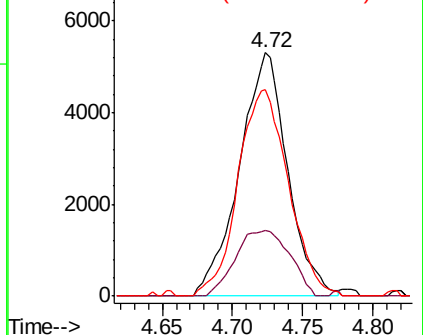


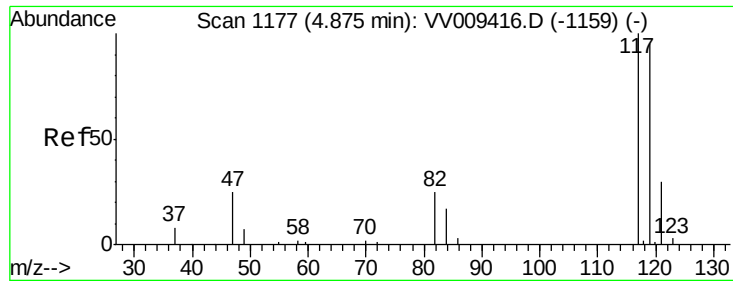
#30
 Cyclohexane
 Concen: 0.853 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

Tgt Ion: 56 Resp: 12676
 Ion Ratio Lower Upper
 56 100
 69 30.3 25.2 37.8
 84 88.6 71.5 107.3



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.743 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

Instrument :

MSVOA_V

ClientSampleId :

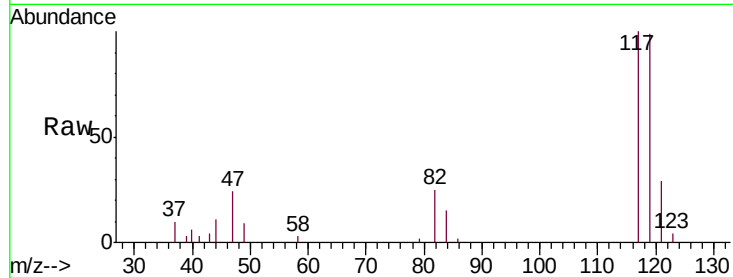
VSTD00162

Tgt Ion:117 Resp: 10161

Ion Ratio Lower Upper

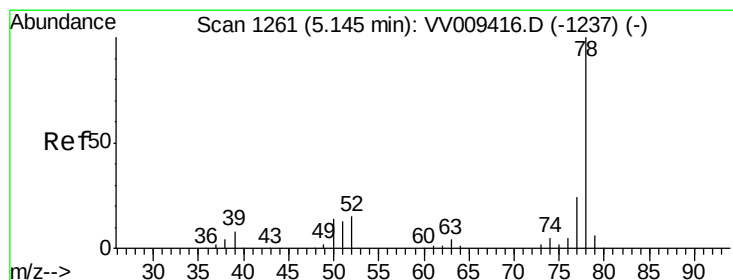
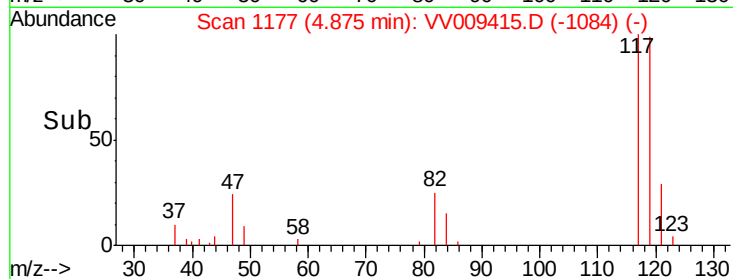
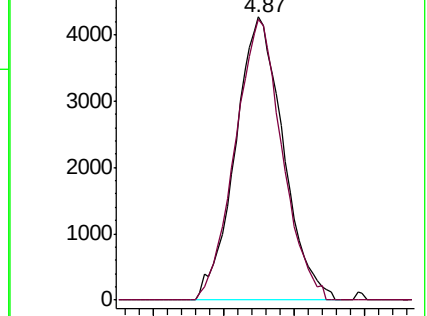
117 100

119 96.8 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.800 ug/L

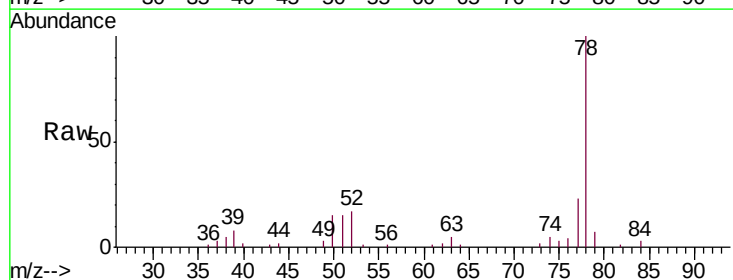
RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

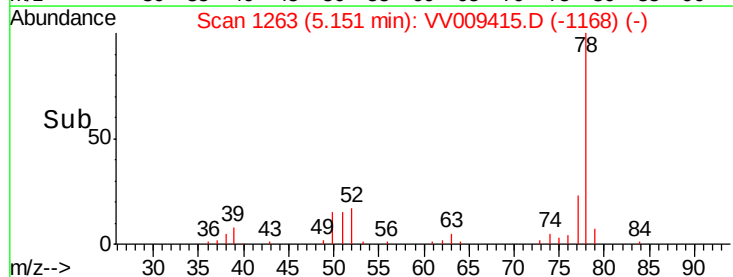
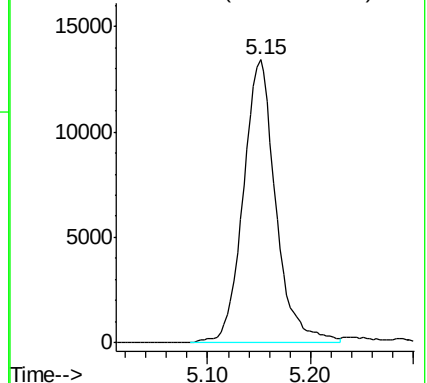
Lab File: VV009415.D

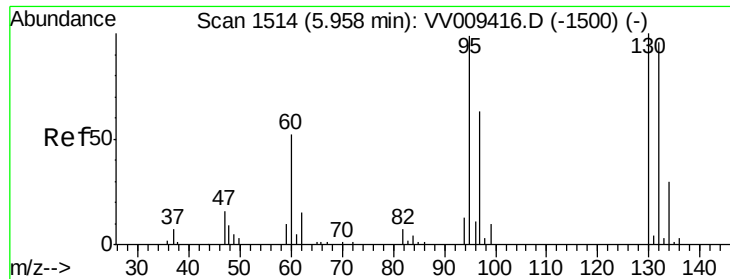
Acq: 28 Feb 2019 11:01

Tgt Ion: 78 Resp: 29459



Abundance Ion 78.10 (77.80 to 78.80): VV0

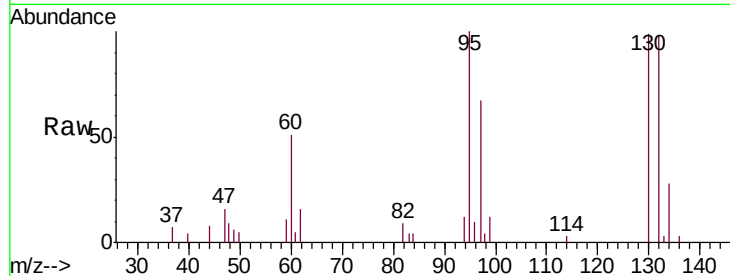




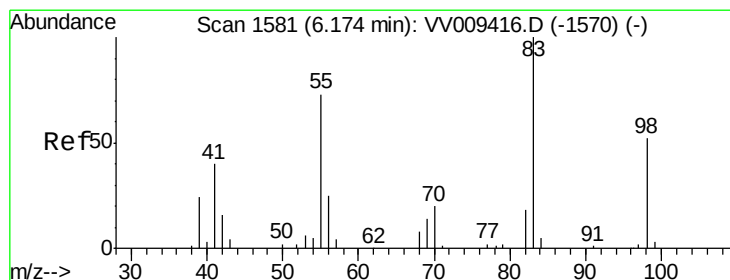
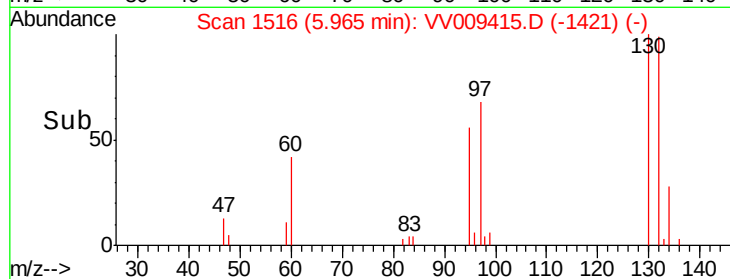
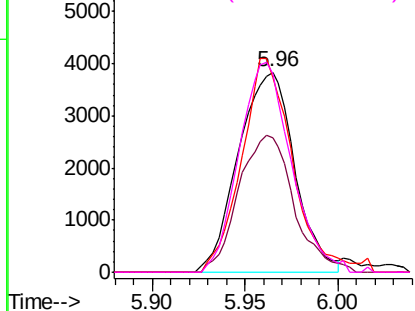
#34
 Trichloroethene
 Concen: 0.757 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.01 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00162

Tgt Ion: 95 Resp: 8092
 Ion Ratio Lower Upper
 95 100
 97 67.3 44.2 82.2
 132 97.6 67.8 126.0
 130 99.0 70.4 130.8

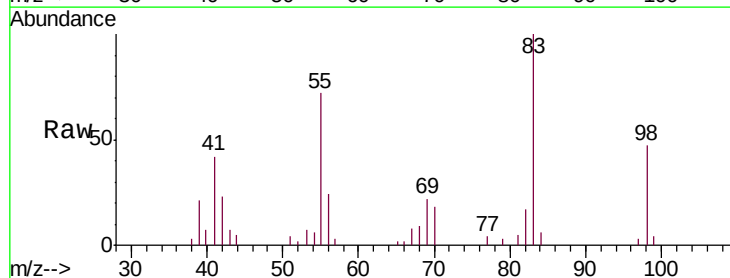


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

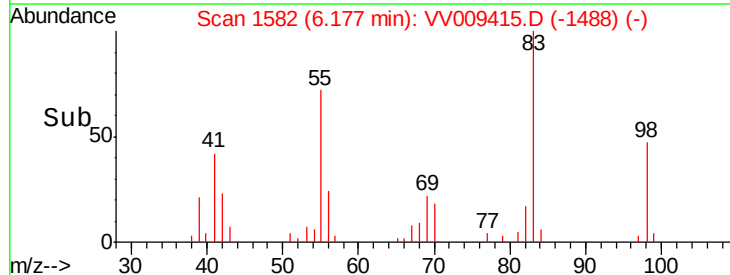
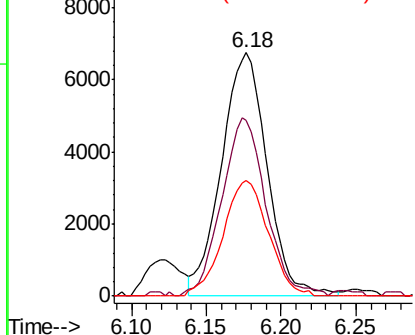


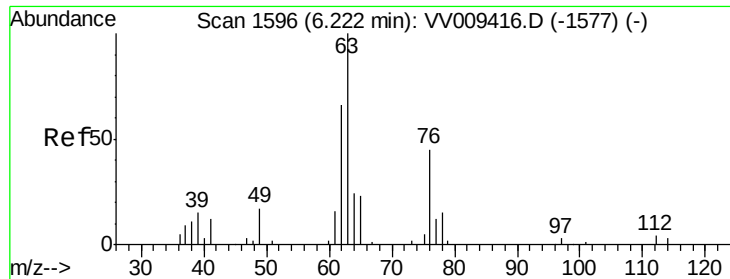
#35
 Methylcyclohexane
 Concen: 0.851 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

Tgt Ion: 83 Resp: 14345
 Ion Ratio Lower Upper
 83 100
 55 70.9 59.8 89.8
 98 47.2 39.9 59.9



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

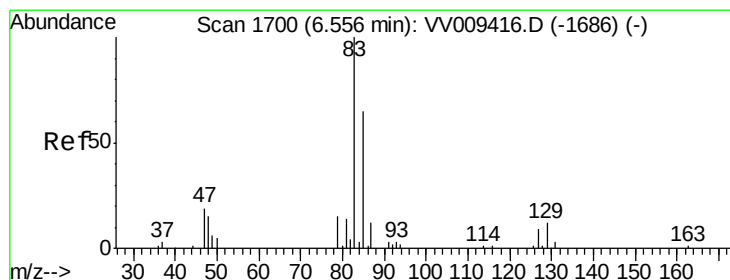
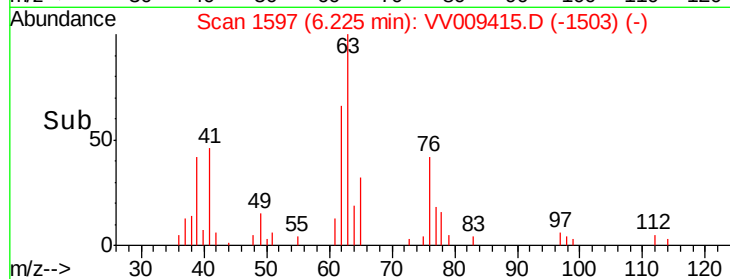
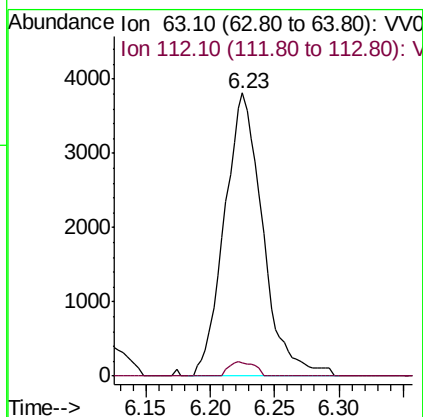
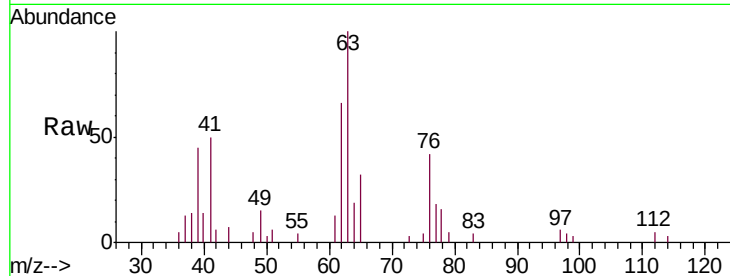




#37
 1,2-Dichloropropane
 Concen: 0.880 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

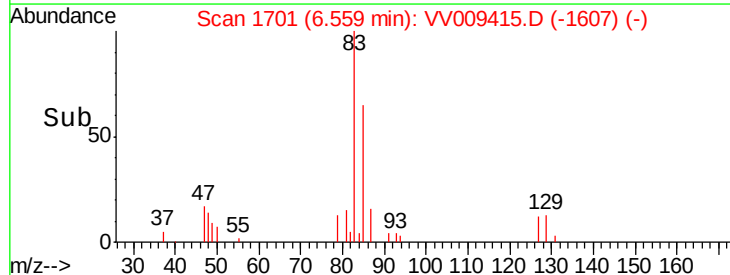
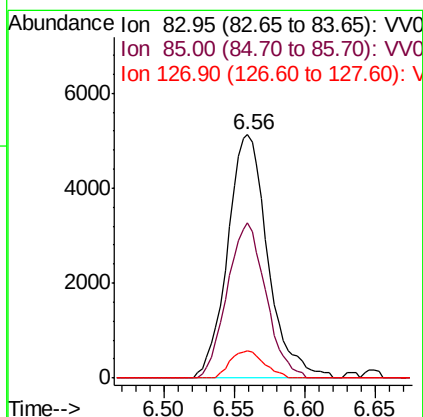
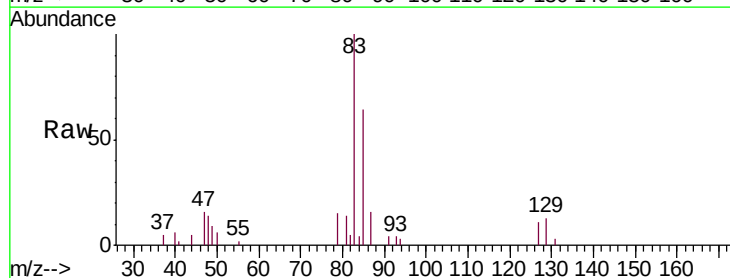
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00162

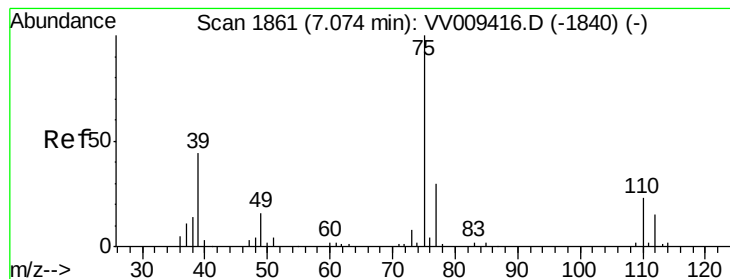
Tgt Ion: 63 Resp: 7894
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.1 4.7



#38
 Bromodichloromethane
 Concen: 0.893 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

Tgt Ion: 83 Resp: 10221
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.2 84.0
 127 11.2 7.1 10.7#



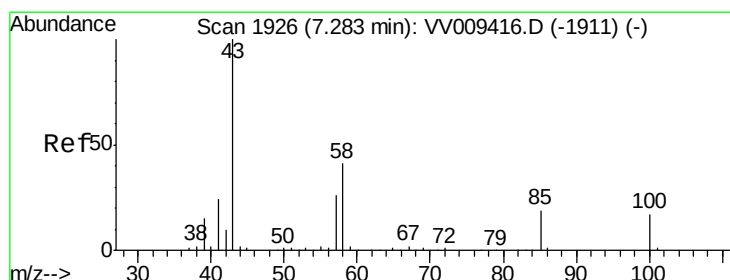
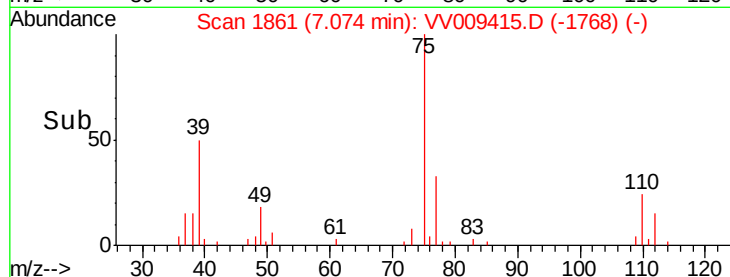
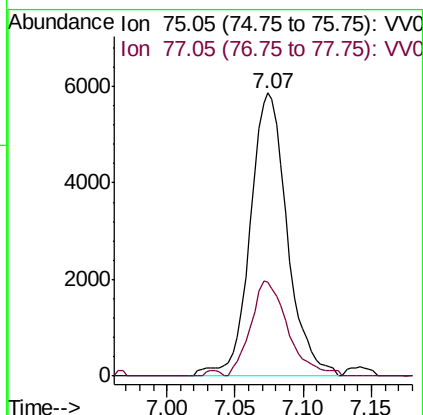
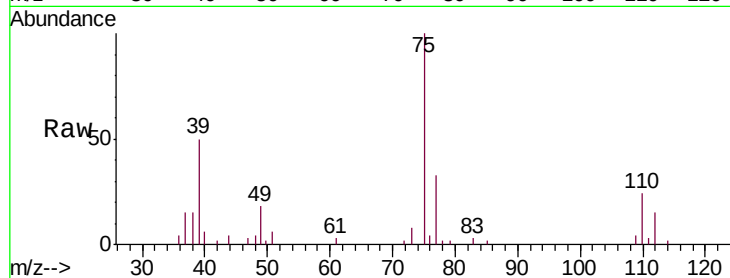


#39

cis-1,3-Dichloropropene
 Concen: 0.851 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00162

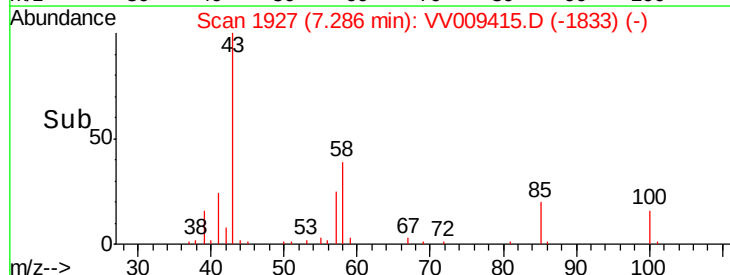
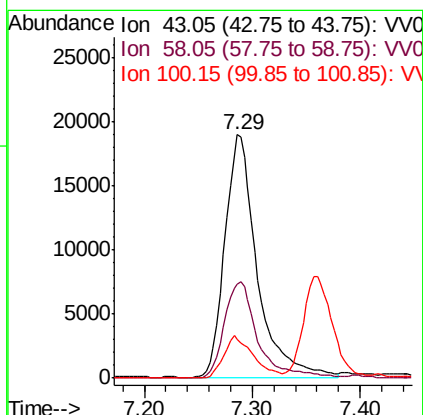
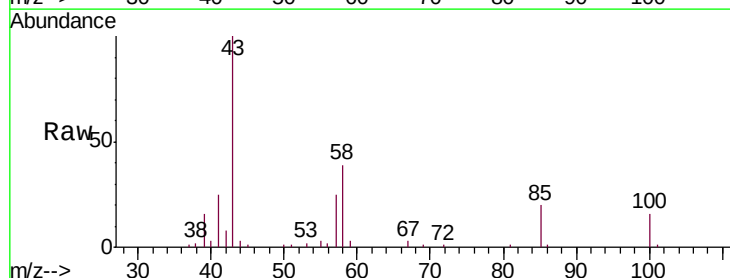
Tgt Ion: 75 Resp: 11065
 Ion Ratio Lower Upper
 75 100
 77 33.4 21.1 39.1

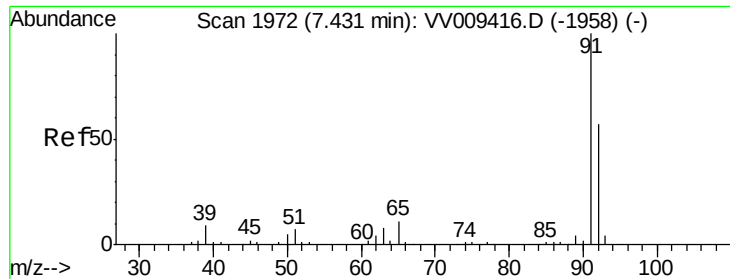


#40

4-Methyl-2-pentanone
 Concen: 8.657 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

Tgt Ion: 43 Resp: 39911
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.7 49.1
 100 15.9 12.4 18.6





#42

Toluene

Concen: 0.857 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

Instrument :

MSVOA_V

ClientSampleId :

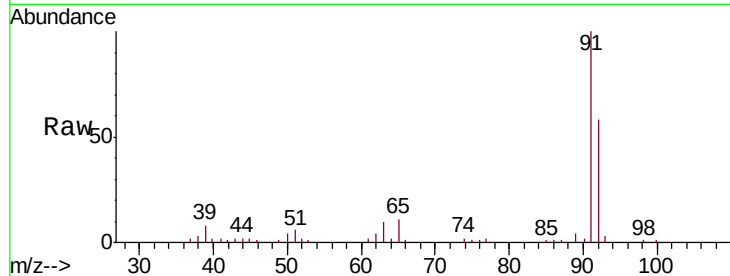
VSTD00162

Tgt Ion: 91 Resp: 34463

Ion Ratio Lower Upper

91 100

92 57.9 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

20000

15000

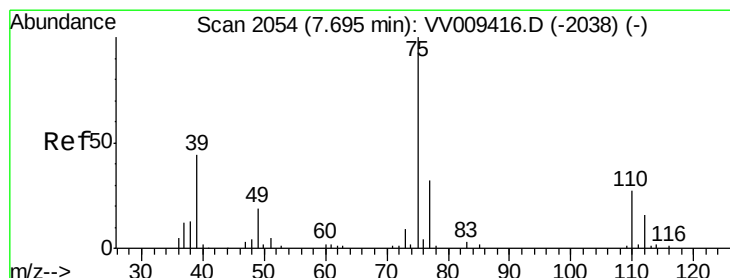
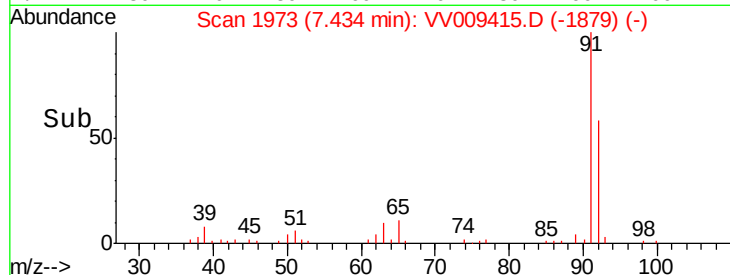
10000

5000

0

Time-->

7.35 7.40 7.45 7.50 7.55



#44

trans-1,3-Dichloropropene

Concen: 0.845 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV009415.D

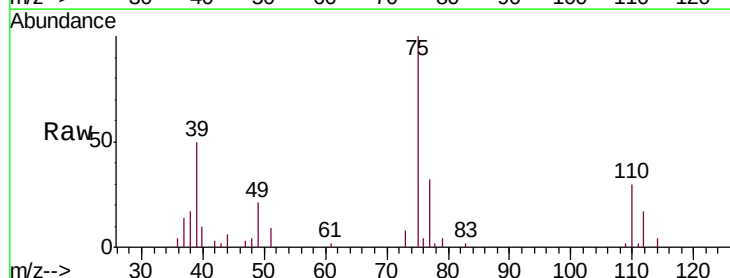
Acq: 28 Feb 2019 11:01

Tgt Ion: 75 Resp: 8490

Ion Ratio Lower Upper

75 100

77 31.8 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

5000

4000

3000

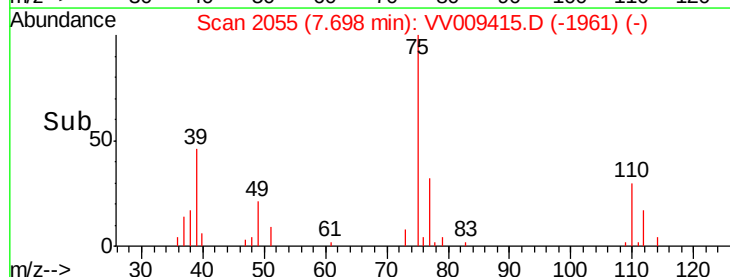
2000

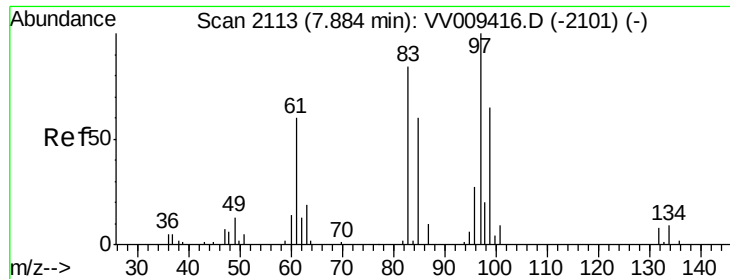
1000

0

Time-->

7.65 7.70 7.75





#45

1,1,2-Trichloroethane

Concen: 0.855 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00162

Tgt Ion: 97 Resp: 5451

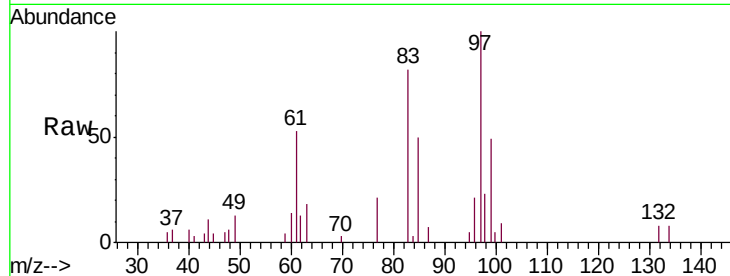
Ion Ratio Lower Upper

97 100

99 48.7 45.4 84.4

83 82.0 58.8 109.2

85 49.8 41.9 77.7



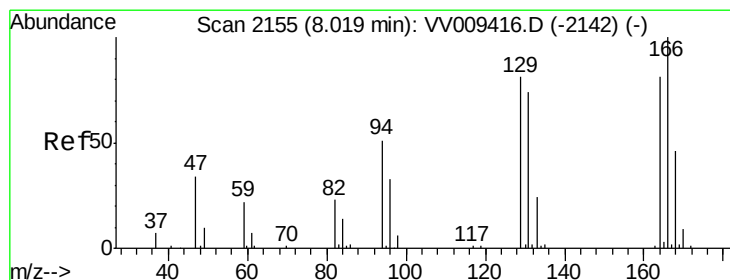
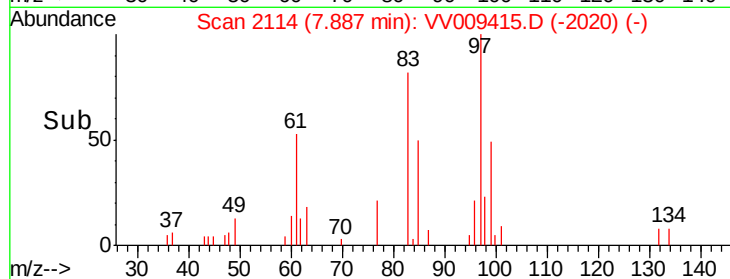
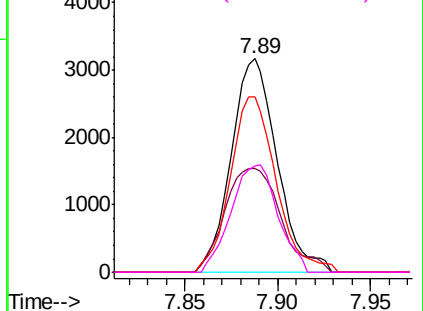
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 0.794 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

Tgt Ion: 164 Resp: 6750

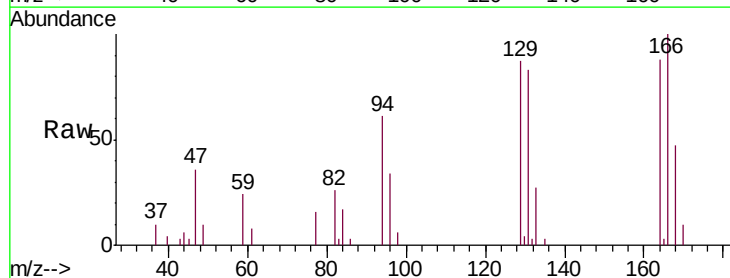
Ion Ratio Lower Upper

164 100

129 99.3 69.3 128.7

131 94.5 64.0 118.8

166 114.1 86.0 159.6



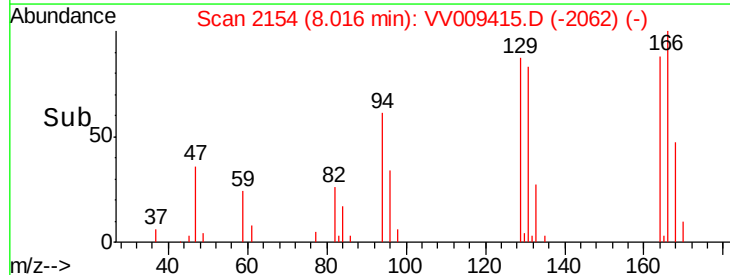
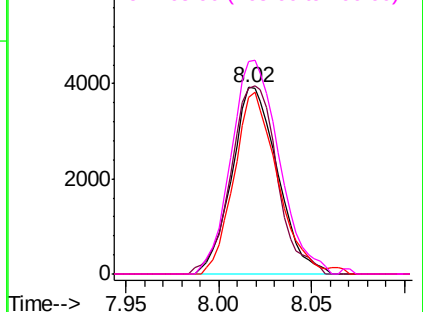
Abundance

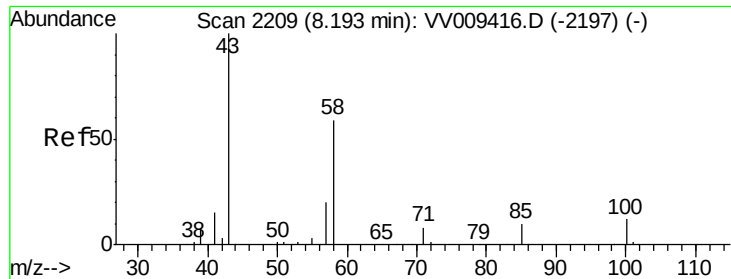
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

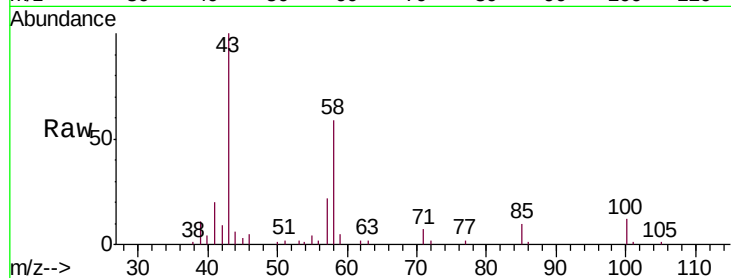




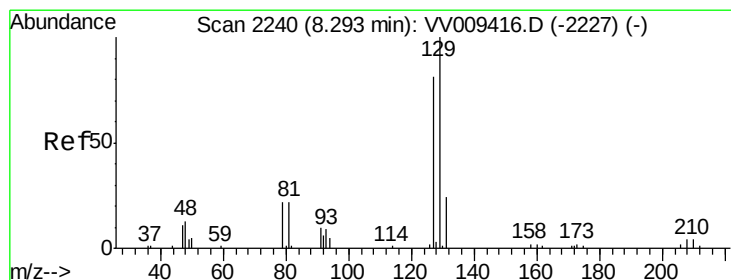
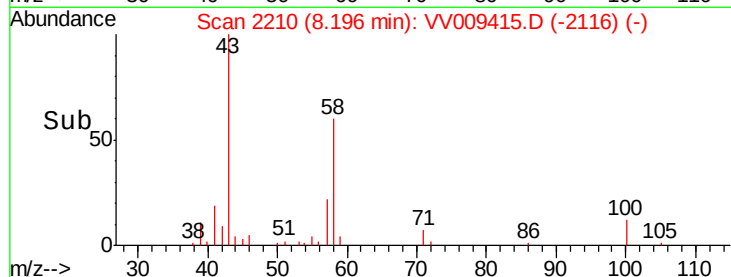
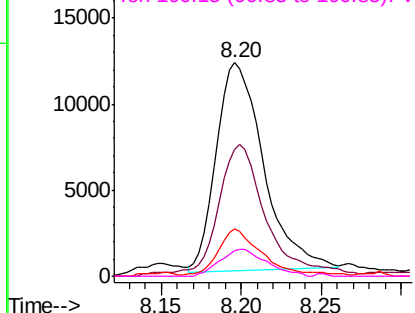
#48
2-Hexanone
Concen: 7.576 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VV009415.D
Acq: 28 Feb 2019 11:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00162

Tgt Ion: 43 Resp: 24545
Ion Ratio Lower Upper
43 100
58 60.9 45.2 67.8
57 19.0 16.0 24.0
100 12.8 10.2 15.4

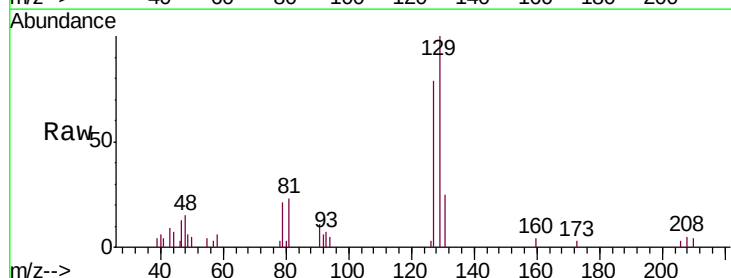


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

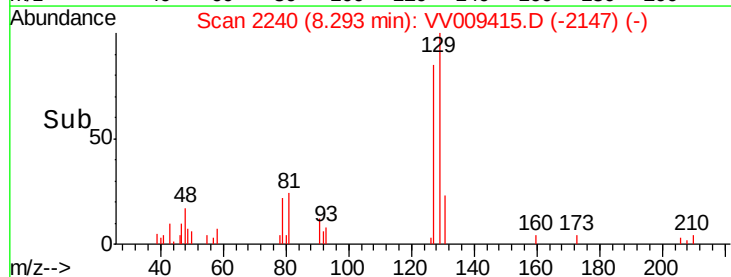
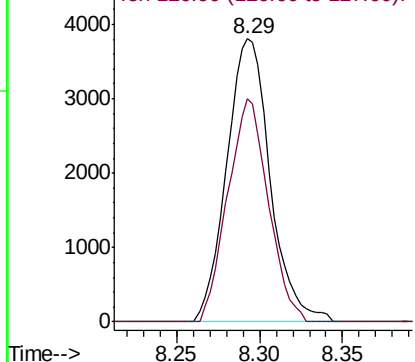


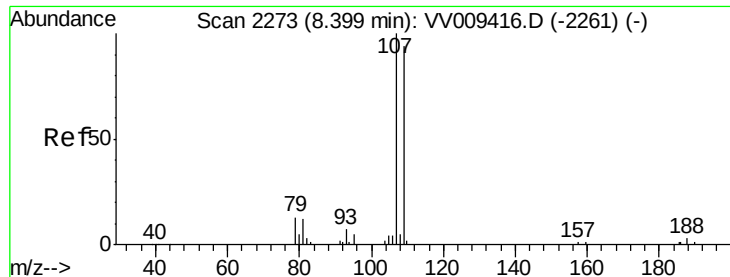
#49
Dibromochloromethane
Concen: 0.918 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009415.D
Acq: 28 Feb 2019 11:01

Tgt Ion: 129 Resp: 6943
Ion Ratio Lower Upper
129 100
127 78.9 56.6 105.2



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

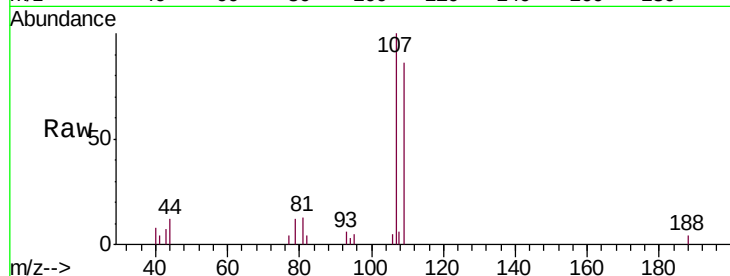




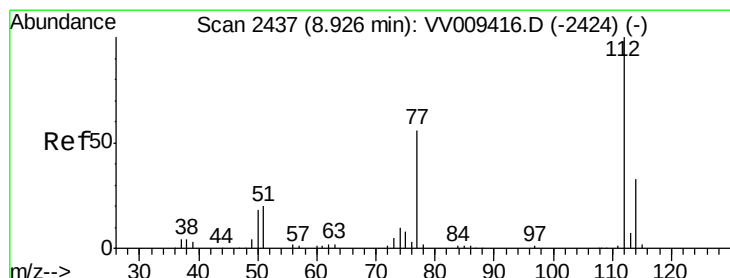
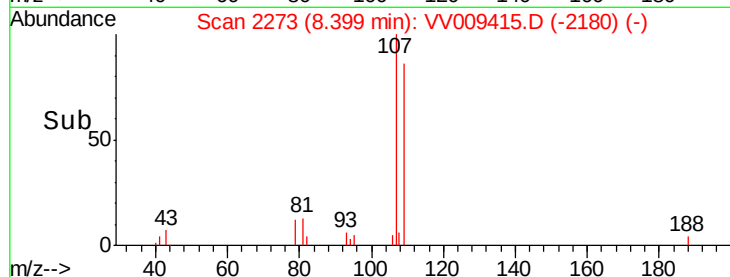
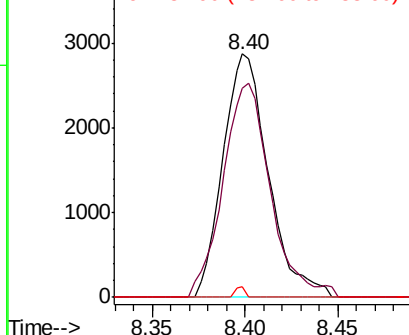
#50
1,2-Dibromoethane
Concen: 0.816 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV009415.D
Acq: 28 Feb 2019 11:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00162

Tgt Ion:107 Resp: 4881
Ion Ratio Lower Upper
107 100
109 86.0 65.7 121.9
188 4.1 2.4 3.6#

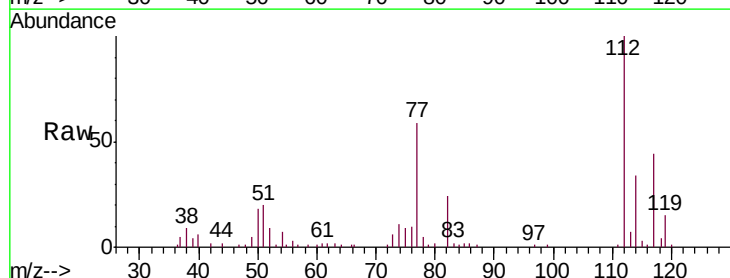


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

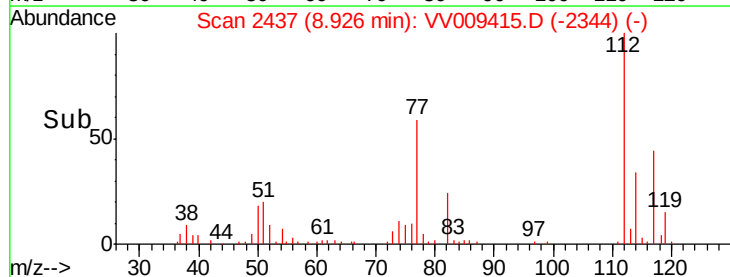
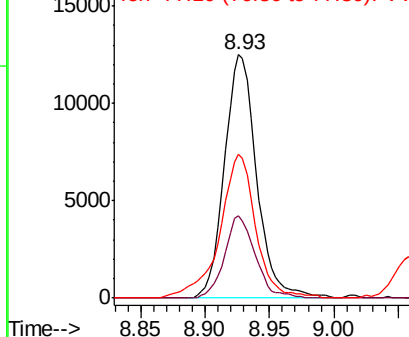


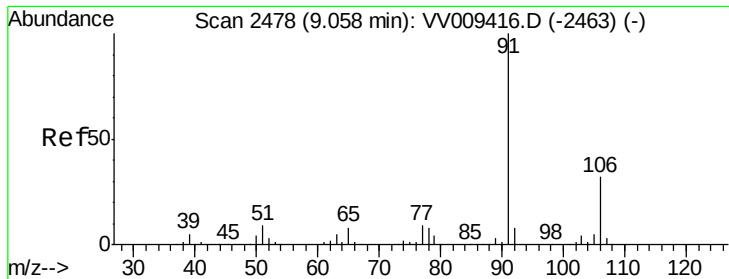
#51
Chlorobenzene
Concen: 0.819 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV009415.D
Acq: 28 Feb 2019 11:01

Tgt Ion:112 Resp: 21727
Ion Ratio Lower Upper
112 100
114 34.0 23.2 43.2
77 59.1 45.7 68.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.867 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

Instrument :

MSVOA_V

ClientSampleId :

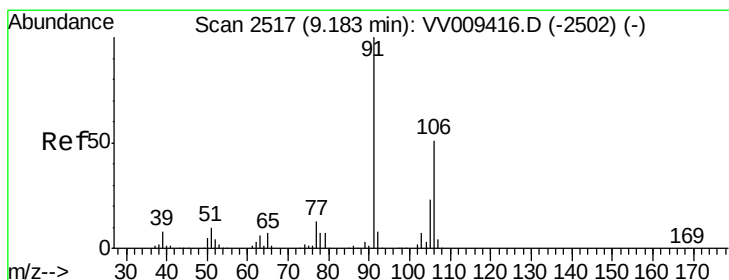
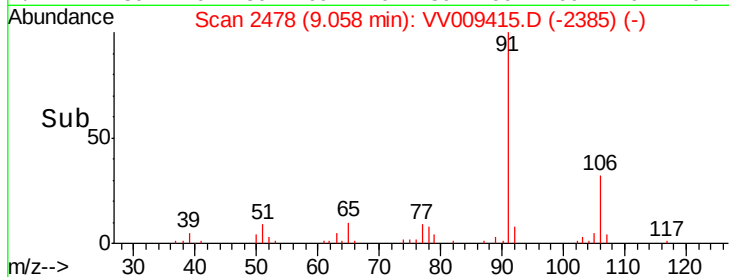
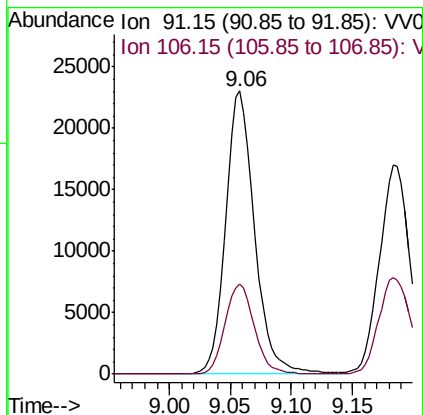
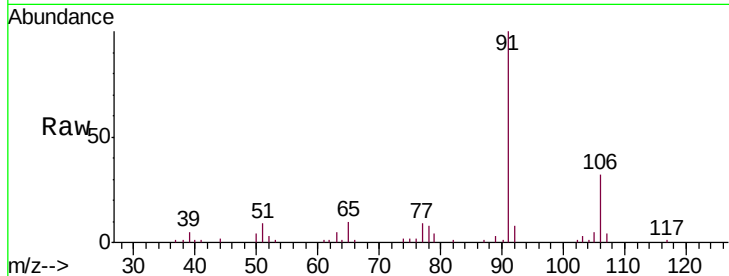
VSTD00162

Tgt Ion: 91 Resp: 38463

Ion Ratio Lower Upper

91 100

106 31.7 22.2 41.2



#53

m,p-xylene

Concen: 0.851 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009415.D

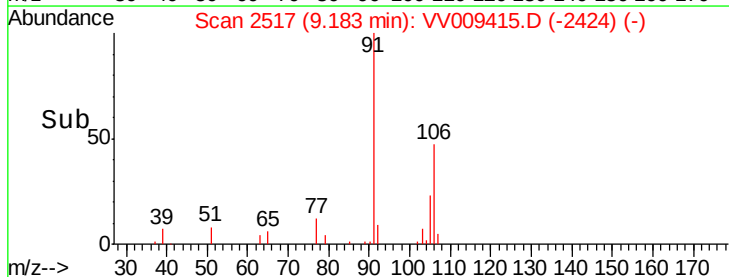
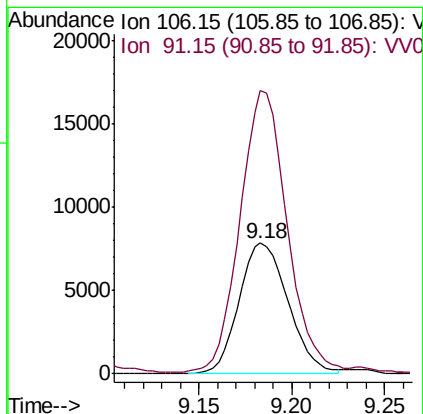
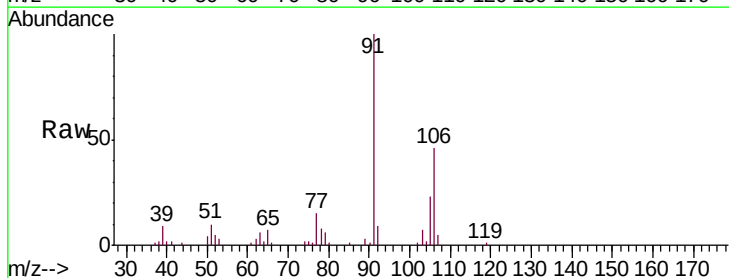
Acq: 28 Feb 2019 11:01

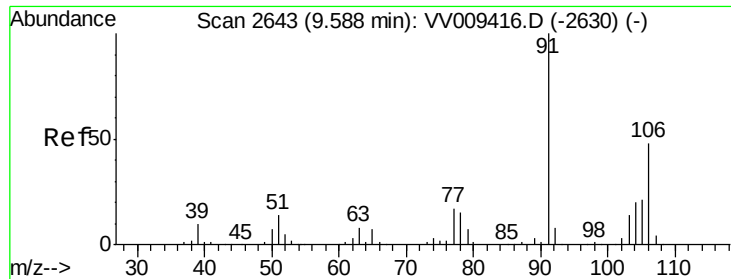
Tgt Ion: 106 Resp: 14506

Ion Ratio Lower Upper

106 100

91 216.6 138.9 258.1





#54

o-xylene

Concen: 0.888 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

Instrument :

MSVOA_V

ClientSampleId :

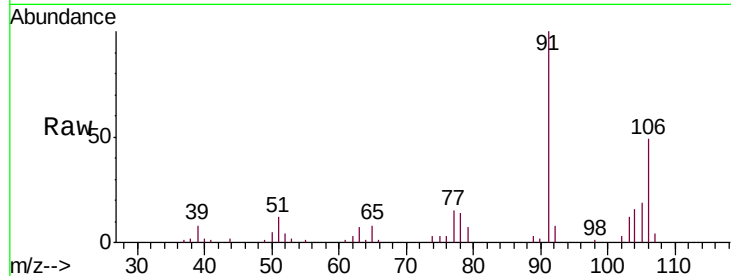
VSTD00162

Tgt Ion:106 Resp: 14519

Ion Ratio Lower Upper

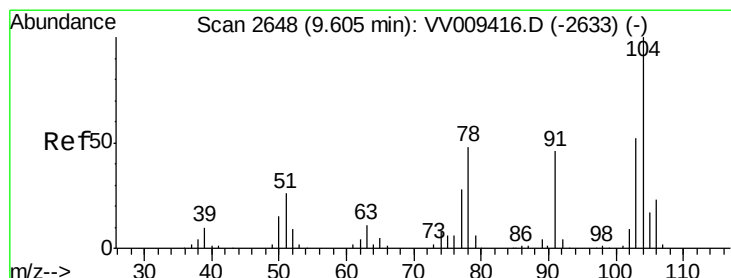
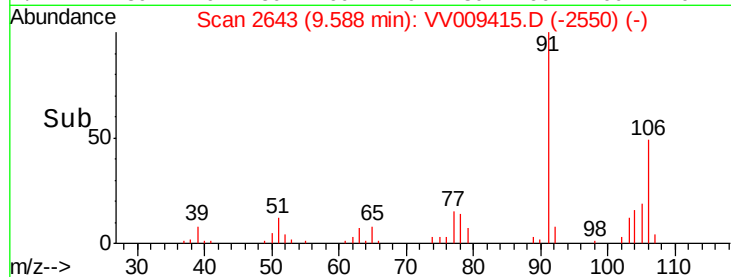
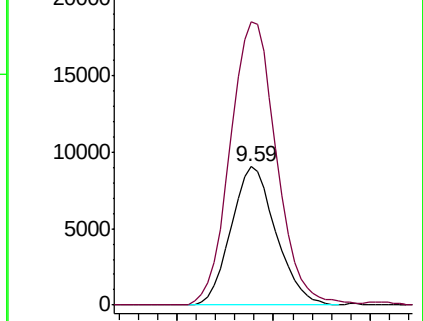
106 100

91 204.4 146.3 271.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.876 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV009415.D

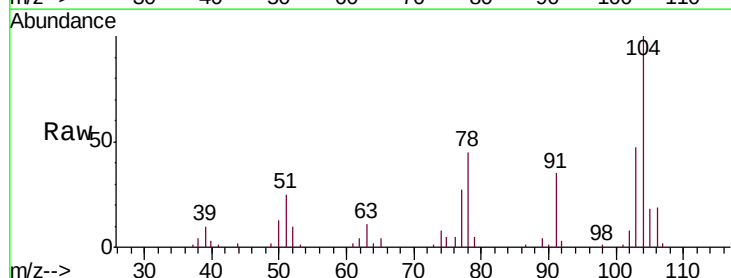
Acq: 28 Feb 2019 11:01

Tgt Ion:104 Resp: 23436

Ion Ratio Lower Upper

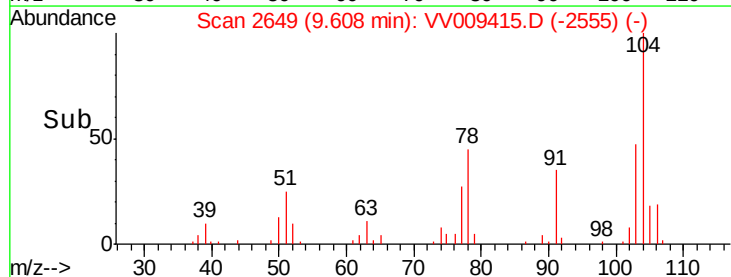
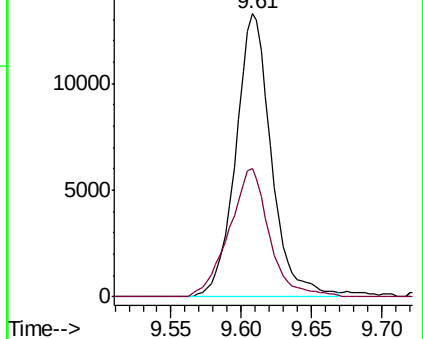
104 100

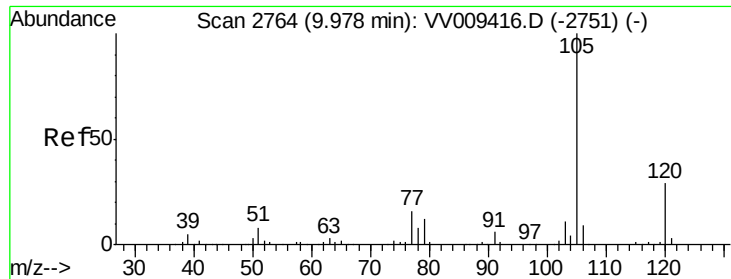
78 45.2 33.4 62.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.873 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00162

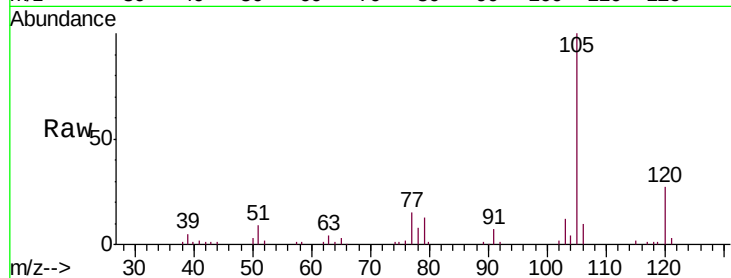
Tgt Ion: 105 Resp: 38379

Ion Ratio Lower Upper

105 100

120 26.8 22.1 33.1

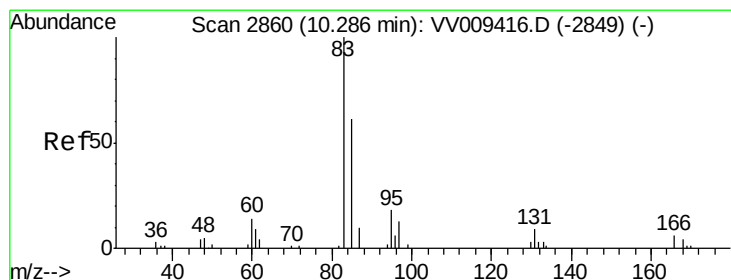
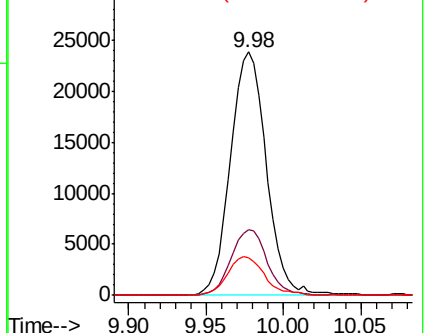
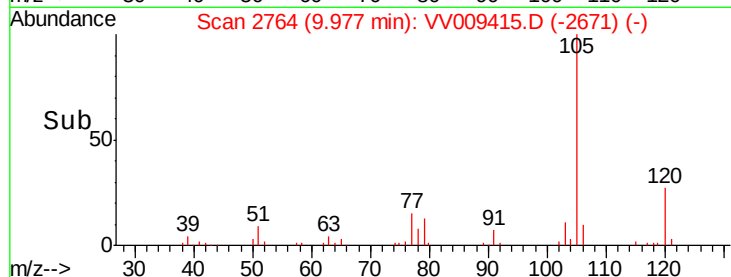
77 16.3 12.8 19.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.968 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

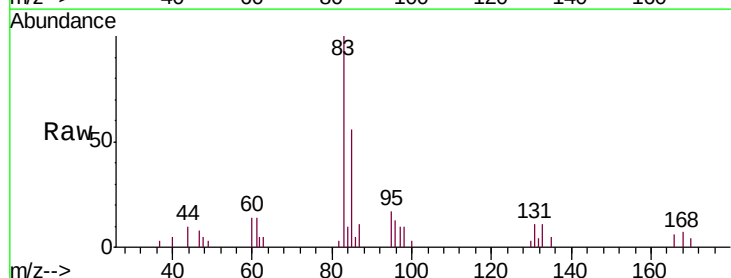
Tgt Ion: 83 Resp: 6417

Ion Ratio Lower Upper

83 100

85 56.2 43.4 80.6

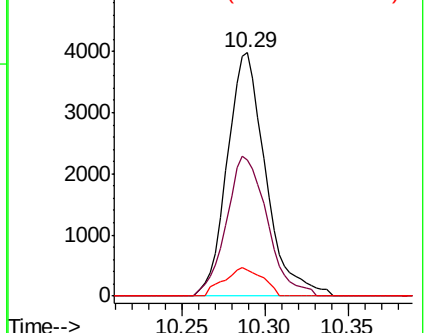
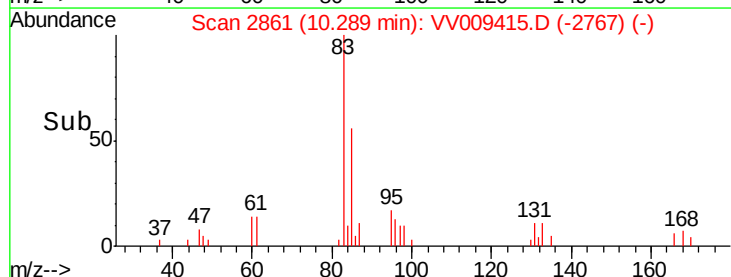
131 10.7 8.2 12.4

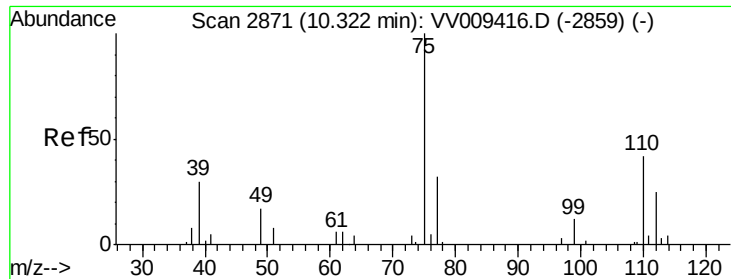


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

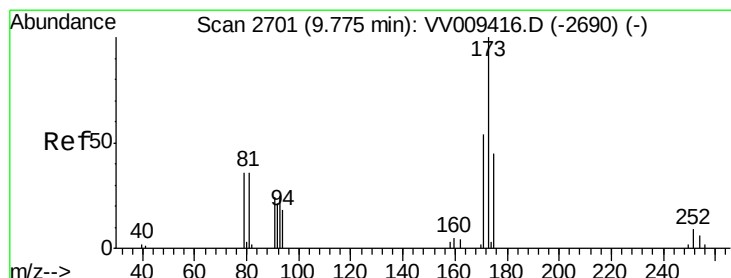
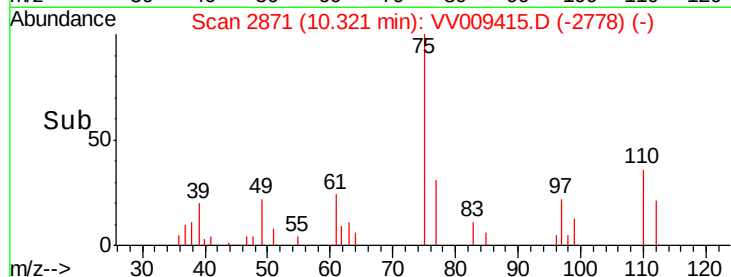
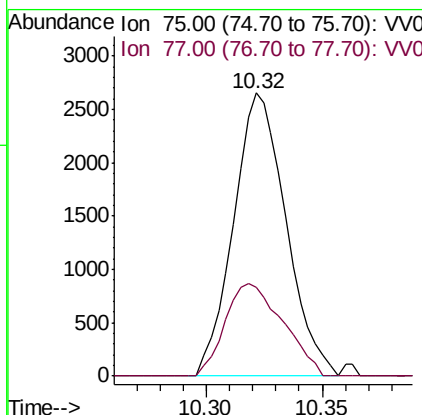
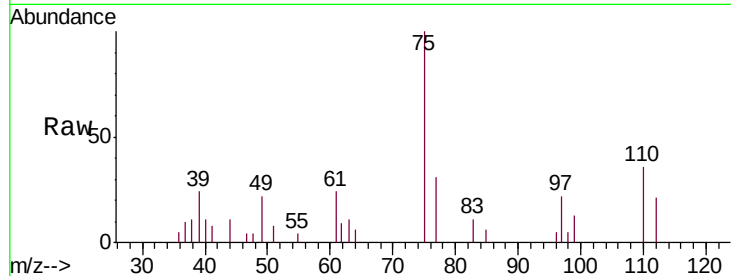




#59
 1,2,3-Trichloropropane
 Concen: 0.780 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

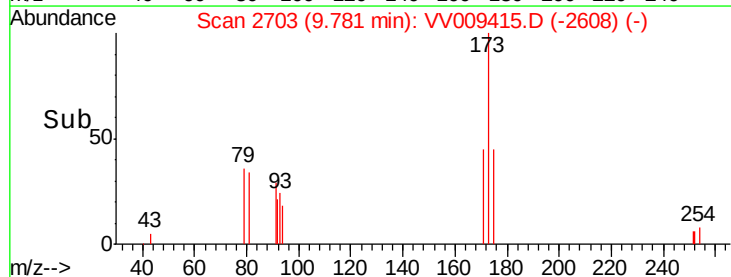
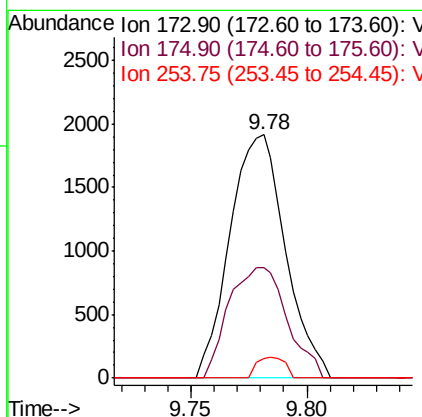
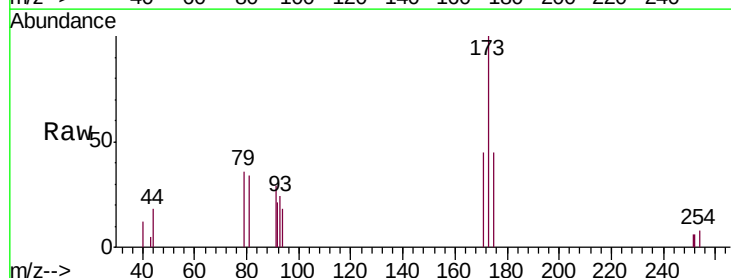
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00162

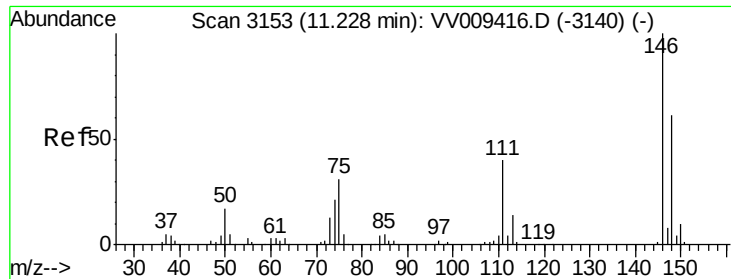
Tgt Ion: 75 Resp: 4177
 Ion Ratio Lower Upper
 75 100
 77 36.1 25.5 38.3



#61
 Bromoform
 Concen: 0.852 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.01 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

Tgt Ion: 173 Resp: 3185
 Ion Ratio Lower Upper
 173 100
 175 47.6 37.4 56.0
 254 4.3 5.8 8.6#

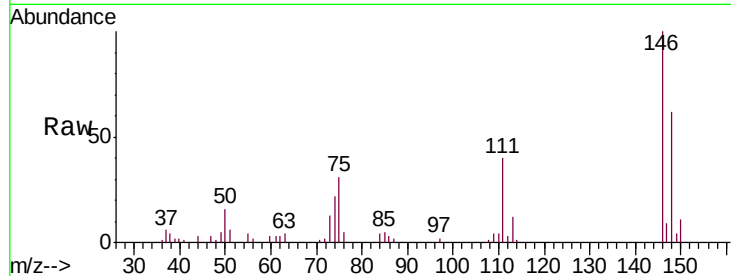




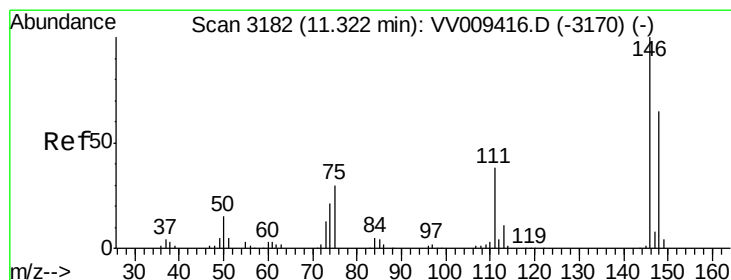
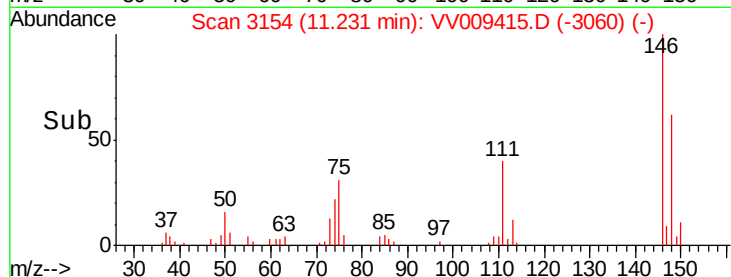
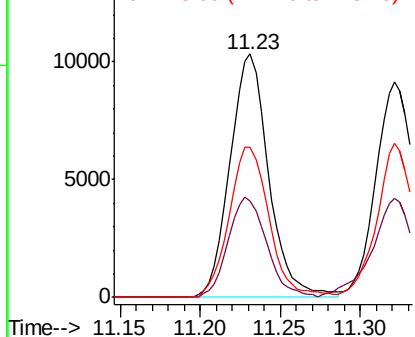
#62
 1,3-Dichlorobenzene
 Concen: 0.847 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00162

Tgt Ion:146 Resp: 17060
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.9 51.9
 148 61.8 42.6 79.2

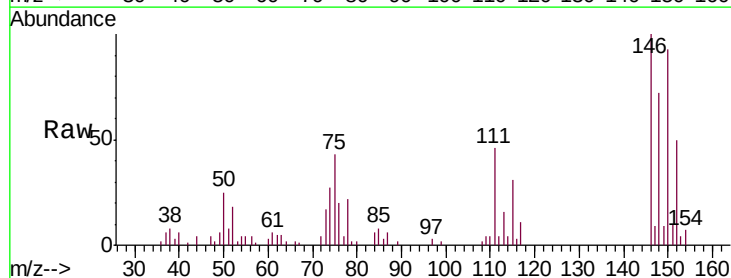


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

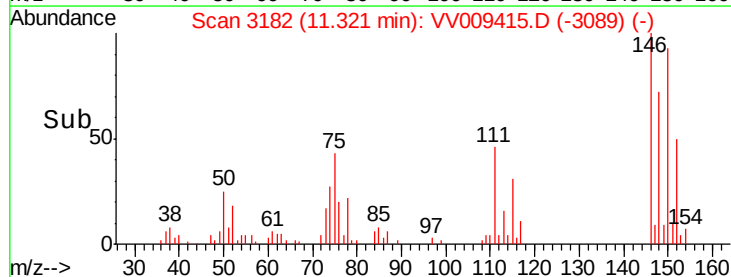
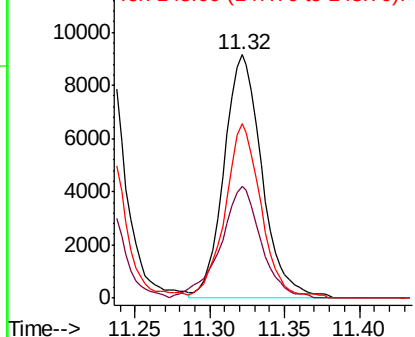


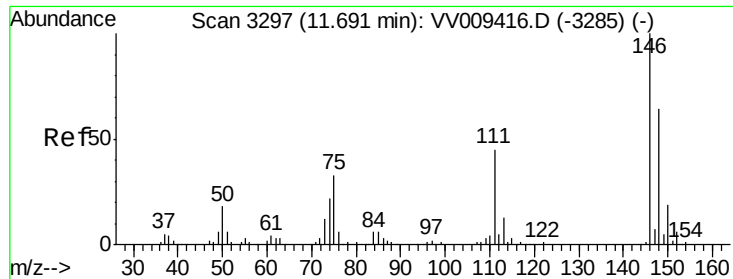
#63
 1,4-Dichlorobenzene
 Concen: 0.798 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

Tgt Ion:146 Resp: 16235
 Ion Ratio Lower Upper
 146 100
 111 45.7 27.2 50.4
 148 71.6 45.7 84.9



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.854 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00162

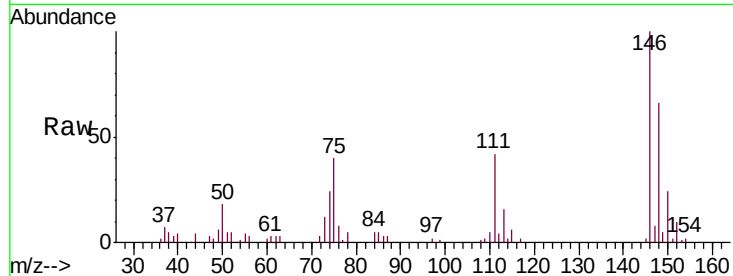
Tgt Ion:146 Resp: 15764

Ion Ratio Lower Upper

146 100

111 42.1 35.6 53.4

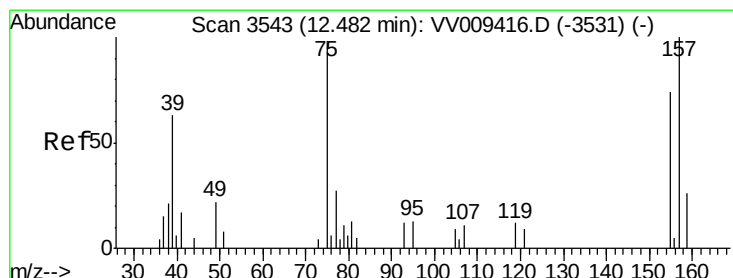
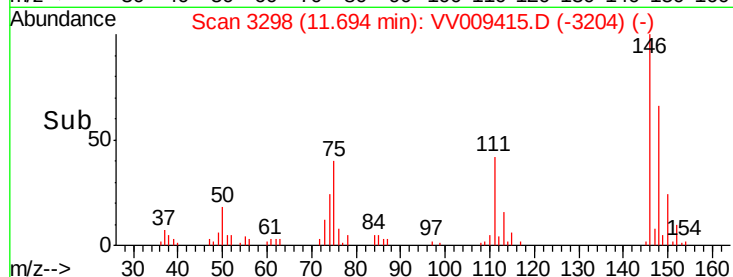
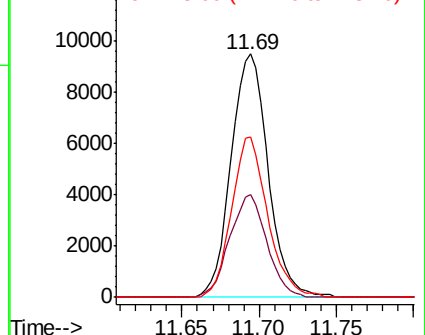
148 66.1 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): 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: 0.975 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

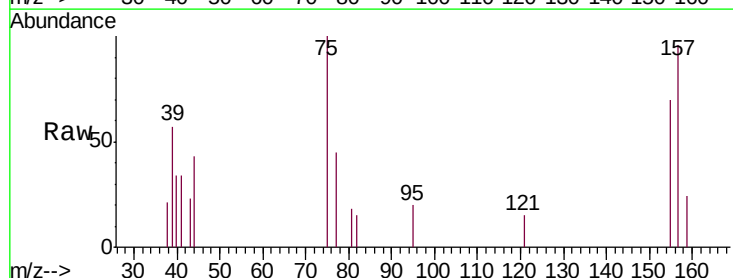
Tgt Ion: 75 Resp: 969

Ion Ratio Lower Upper

75 100

155 70.3 60.8 91.2

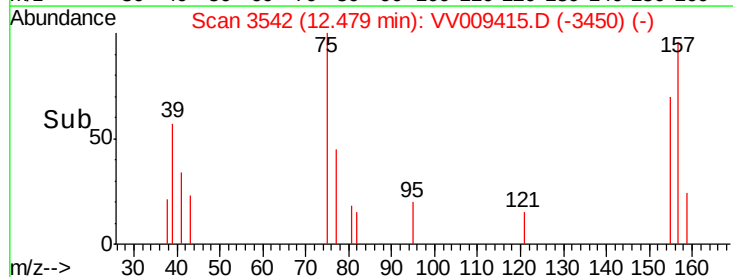
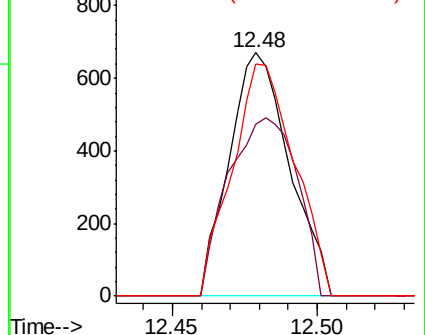
157 95.5 81.7 122.5

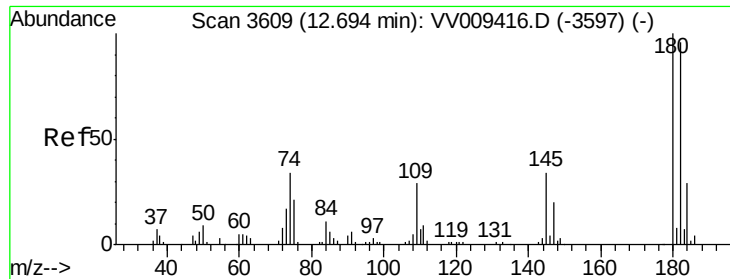


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

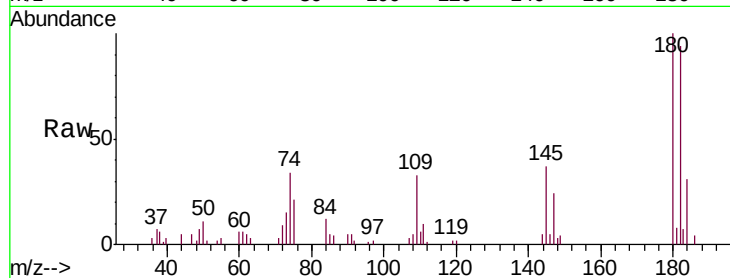




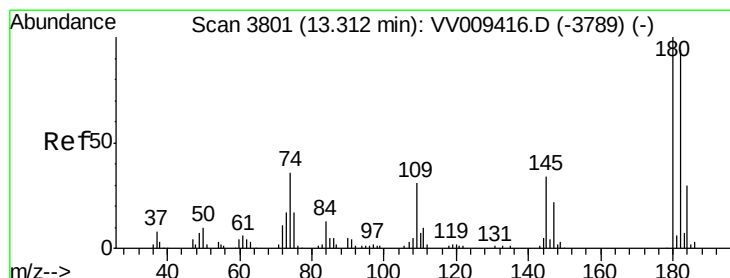
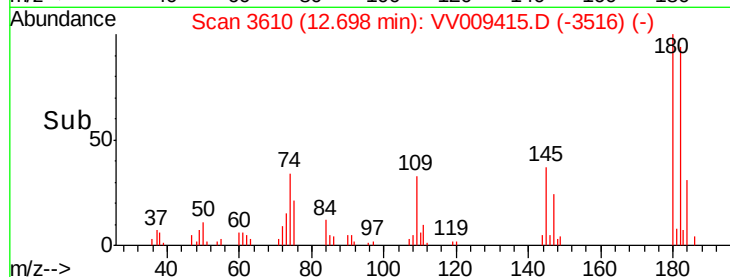
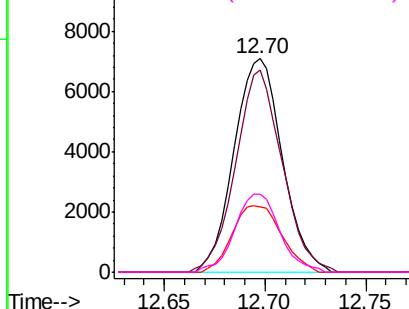
#67
 1,3,5-Trichlorobenzene
 Concen: 0.804 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00162

Tgt Ion:180 Resp: 11888
 Ion Ratio Lower Upper
 180 100
 182 91.2 75.5 113.3
 184 32.0 23.4 35.0
 145 34.1 26.6 40.0

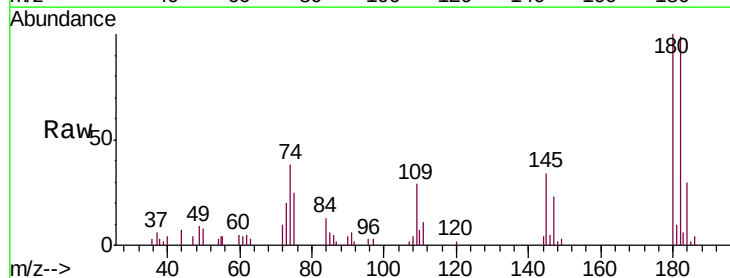


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

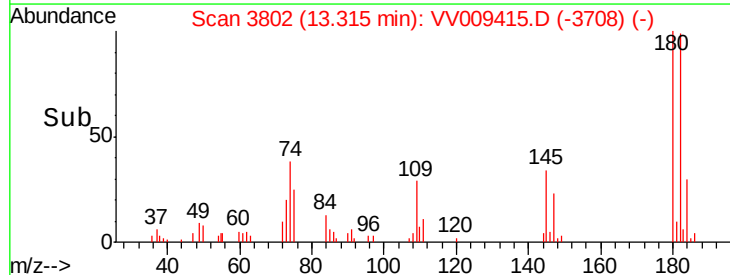
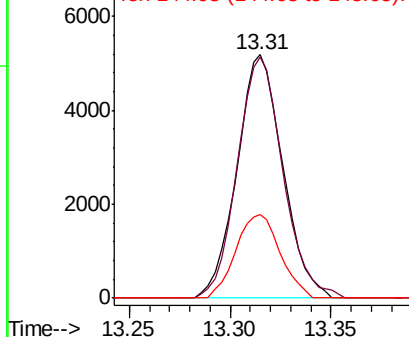


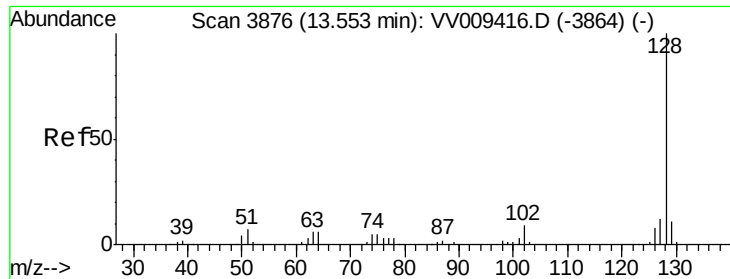
#68
 1,2,4-trichlorobenzene
 Concen: 0.745 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009415.D
 Acq: 28 Feb 2019 11:01

Tgt Ion:180 Resp: 8245
 Ion Ratio Lower Upper
 180 100
 182 98.8 74.7 112.1
 145 33.1 26.6 39.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.811 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.01 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00162

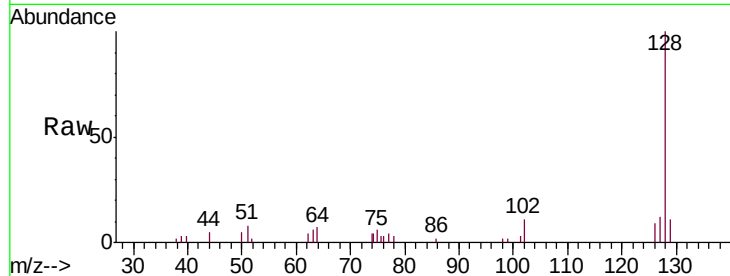
Tgt Ion:128 Resp: 13342

Ion Ratio Lower Upper

128 100

129 11.8 8.5 12.7

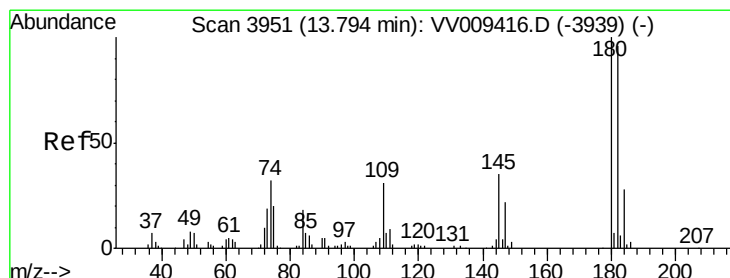
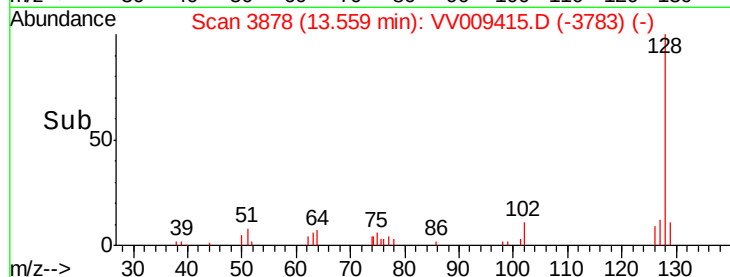
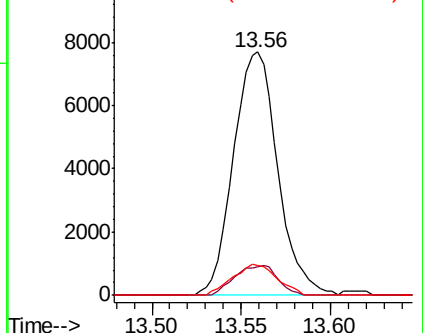
127 12.8 10.1 15.1



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: 0.748 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV009415.D

Acq: 28 Feb 2019 11:01

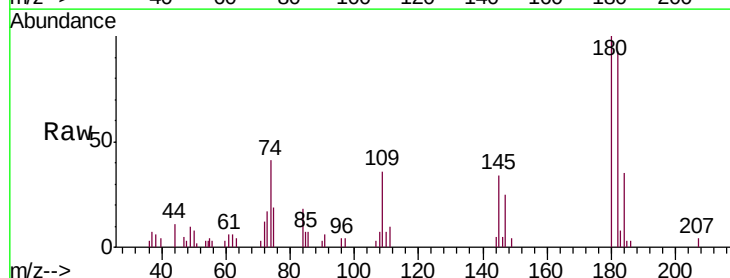
Tgt Ion:180 Resp: 7692

Ion Ratio Lower Upper

180 100

182 95.1 75.7 113.5

145 33.6 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

