

Data File : VV009416.D
Acq On : 28 Feb 2019 11:27
Operator : SY/MD
Sample : VSTD00563
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Quant Time: Mar 01 03:28:18 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	110388	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	110168	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52479	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30855	5.14	ug/L	0.00
7) Chloroethane-d5	1.58	69	26990	5.90	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	79159	6.42	ug/L	0.00
20) 2-Butanone-d5	3.97	46	63673	44.95	ug/L	0.00
24) Chloroform-d	4.40	84	61466	4.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	30936	4.79	ug/L	0.00
32) Benzene-d6	5.10	84	126032	4.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	37468	4.50	ug/L	0.00
41) Toluene-d8	7.36	98	127194	4.71	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	16101	4.98	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	56036	46.83	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	29271	5.09	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	46616	4.82	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	35480	3.606 ug/L	100
3) Chloromethane	1.25	50	38257	5.390 ug/L	100
5) Vinyl chloride	1.32	62	42313	5.743 ug/L	100
6) Bromomethane	1.54	94	28338	6.350 ug/L	100
8) Chloroethane	1.60	64	28009	6.464 ug/L	100
9) Trichlorofluoromethane	1.77	101	89922	7.064 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	44414	6.576 ug/L	100
12) 1,1-Dichloroethene	2.14	96	38968	6.615 ug/L	100
13) Acetone	2.23	43	55676	64.403 ug/L	100
14) Carbon disulfide	2.32	76	129529	7.098 ug/L	100
15) Methyl Acetate	2.48	43	14941	7.366 ug/L	100
16) Methylene chloride	2.54	84	40895	6.397 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	99683	6.802 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	41632	6.459 ug/L	100
19) 1,1-Dichloroethane	3.22	63	62219	4.858 ug/L	100
21) 2-Butanone	4.05	43	70476	47.530 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	37483	4.712 ug/L	100
23) Bromochloromethane	4.30	128	15725	4.672 ug/L	100
25) Chloroform	4.43	83	66407	4.787 ug/L	100
27) 1,2-Dichloroethane	5.18	62	39341	4.966 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	63563	4.901 ug/L	100
30) Cyclohexane	4.72	56	61502	4.927 ug/L	100
31) Carbon tetrachloride	4.87	117	51270	4.464 ug/L	100
33) Benzene	5.14	78	146041	4.722 ug/L	100
34) Trichloroethene	5.96	95	41587	4.630 ug/L	100
35) Methylcyclohexane	6.17	83	64862	4.582 ug/L	100
37) 1,2-Dichloropropane	6.22	63	35770	4.748 ug/L	100
38) Bromodichloromethane	6.56	83	50462	5.252 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	57701	5.287 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	192536	49.731 ug/L	100

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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)
42) Toluene	7.43	91	168339	4.984	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	45261	5.363	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	25880	4.836	ug/L	100
47) Tetrachloroethene	8.02	164	32106	4.495	ug/L	100
48) 2-Hexanone	8.19	43	135777	49.901	ug/L	100
49) Dibromochloromethane	8.29	129	32999	5.197	ug/L	100
50) 1,2-Dibromoethane	8.40	107	25061	4.989	ug/L	100
51) Chlorobenzene	8.93	112	110629	4.963	ug/L	100
52) Ethylbenzene	9.06	91	192093	5.155	ug/L	100
53) m,p-xylene	9.18	106	76404	5.336	ug/L	100
54) o-xylene	9.59	106	75312	5.484	ug/L	100
55) Styrene	9.60	104	120154	5.349	ug/L	100
56) Isopropylbenzene	9.98	105	196652	5.326	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	31534	5.665	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	20885	4.645	ug/L	100
61) Bromoform	9.77	173	16803	5.291	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	86947	5.081	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	84391	4.879	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	79309	5.055	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	5550	6.567	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	62408	4.966	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	49850	5.297	ug/L	100
69) Naphthalene	13.55	128	80403	5.747	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	44623	5.108	ug/L	100

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

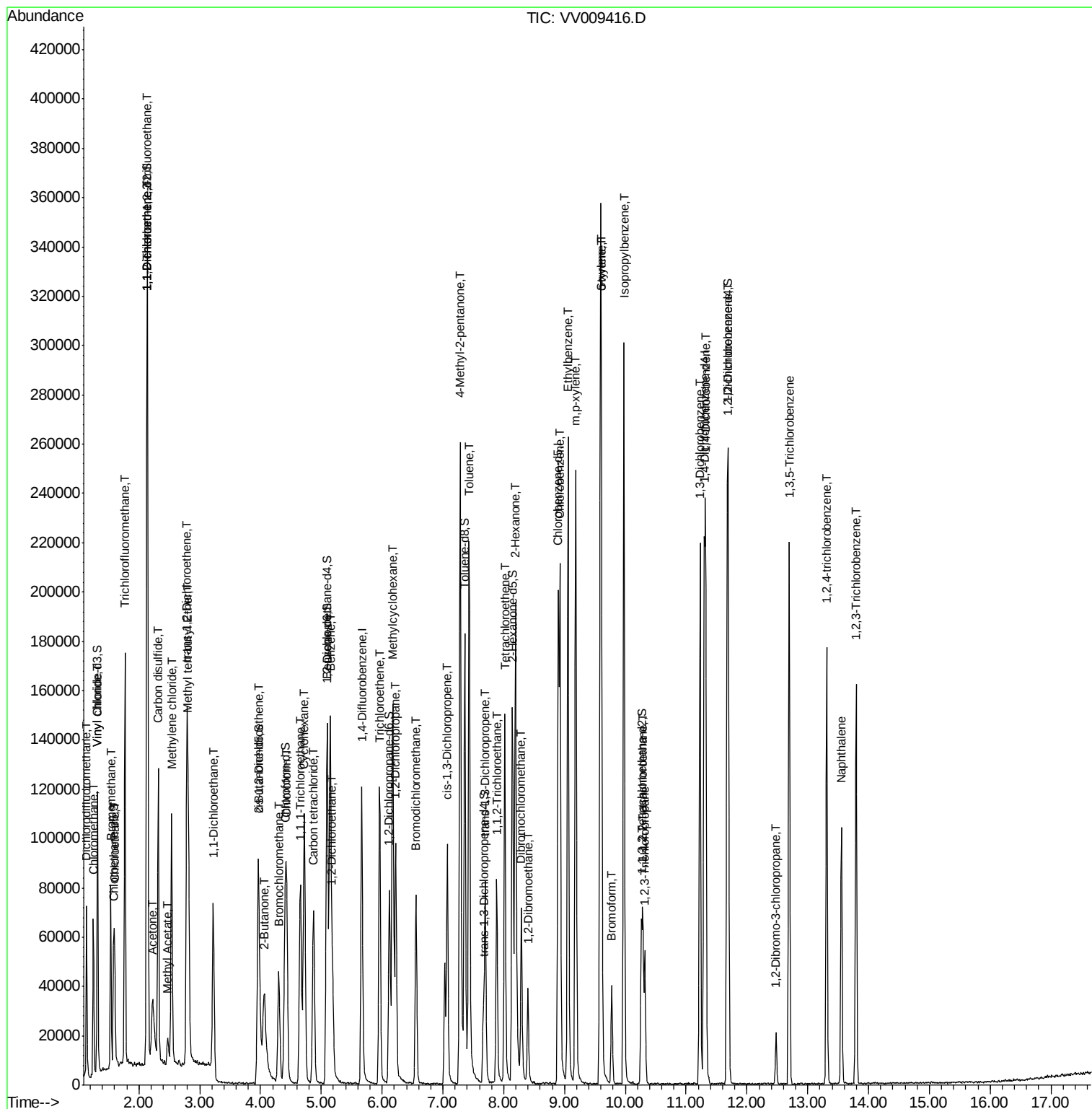
Quant Time: Mar 01 03:28:18 2019

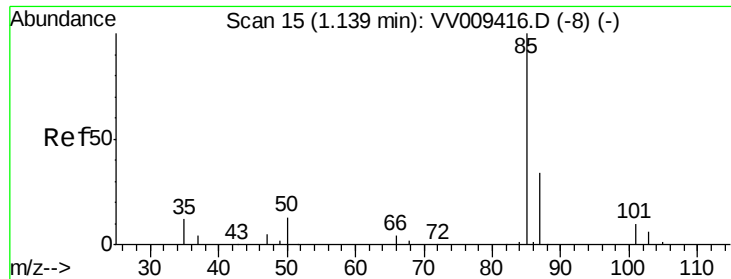
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR022819WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Mar 01 03:24:50 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 3.606 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

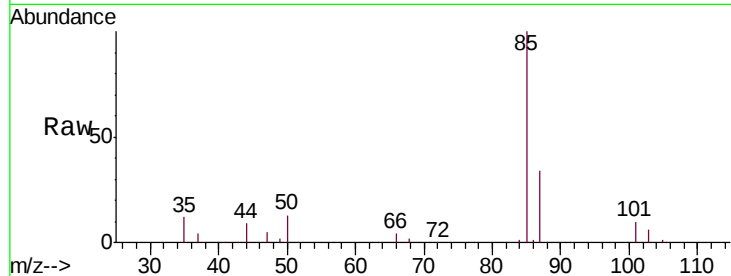
VSTD00563

Tgt Ion: 85 Resp: 35480

Ion Ratio Lower Upper

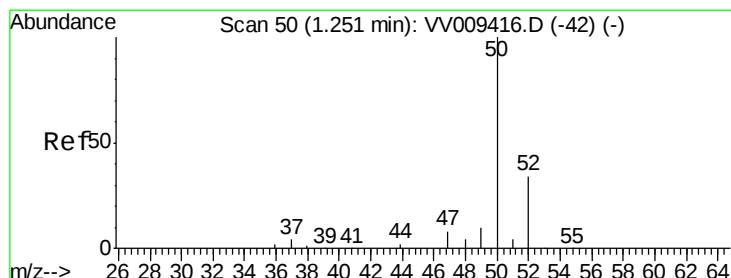
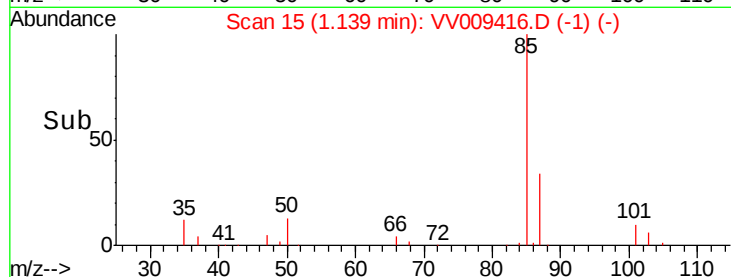
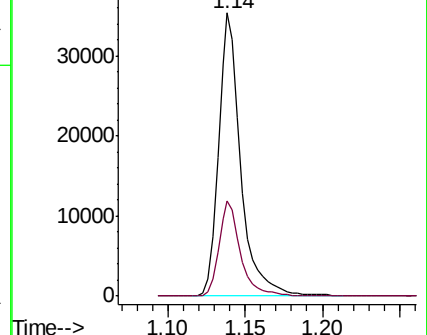
85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV009416.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009416.D (-8) (-)



#3

Chloromethane

Concen: 5.390 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009416.D

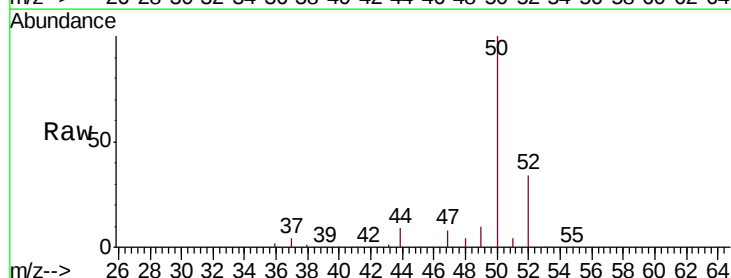
Acq: 28 Feb 2019 11:27

Tgt Ion: 50 Resp: 38257

Ion Ratio Lower Upper

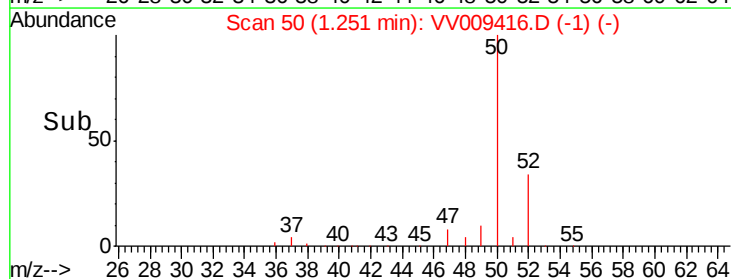
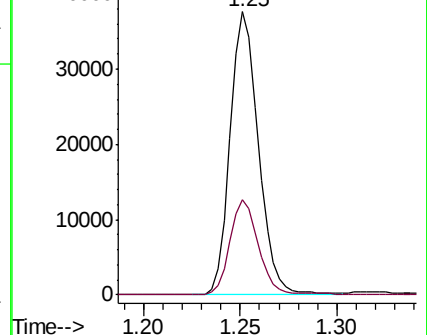
50 100

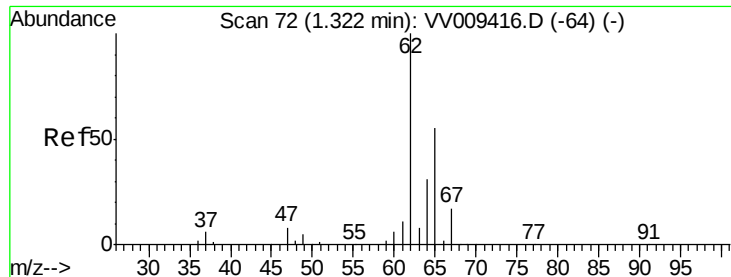
52 33.6 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV009416.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV009416.D (-42) (-)





#5

Vinyl chloride

Concen: 5.743 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

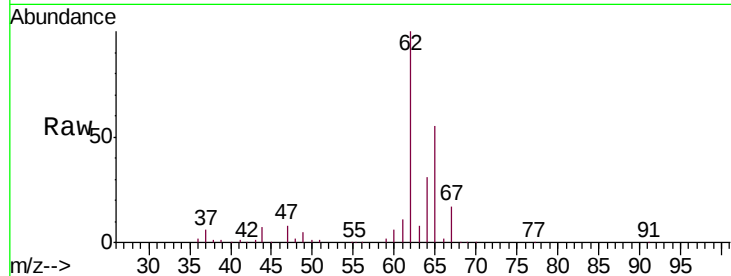
VSTD00563

Tgt Ion: 62 Resp: 42313

Ion Ratio Lower Upper

62 100

64 30.8 21.6 40.0

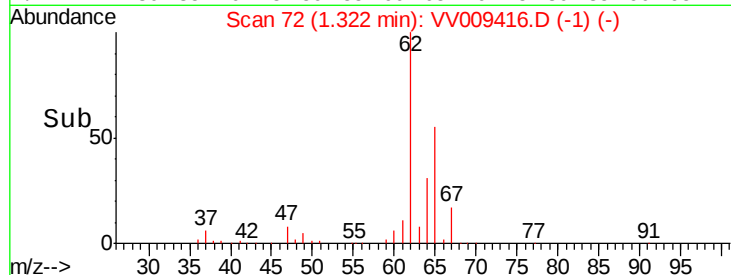


Abundance Ion 62.00 (61.70 to 62.70): VV009416.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV009416.D (-64) (-)

Time-->

1.25 1.30 1.35 1.40



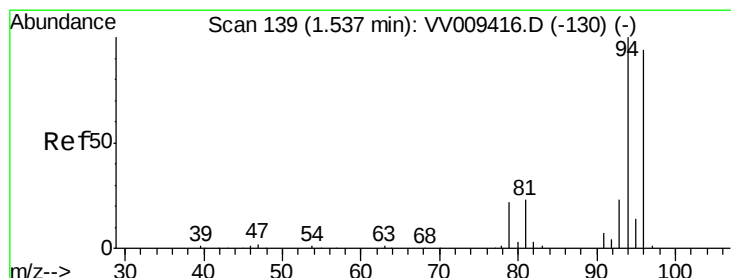
Abundance

Ion 62.00 (61.70 to 62.70): VV009416.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV009416.D (-64) (-)

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 6.350 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV009416.D

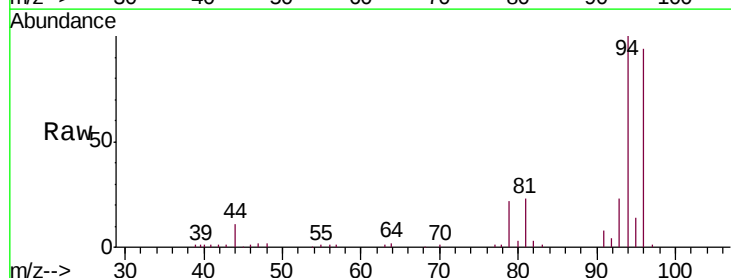
Acq: 28 Feb 2019 11:27

Tgt Ion: 94 Resp: 28338

Ion Ratio Lower Upper

94 100

96 94.0 65.8 122.2

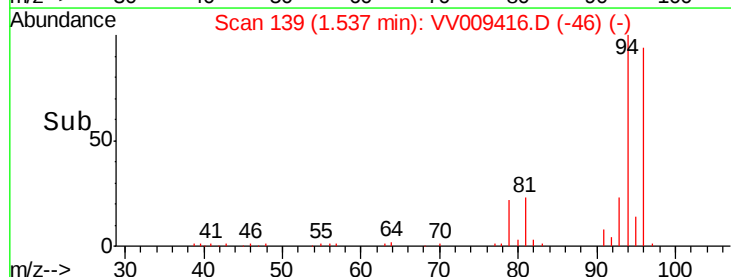


Abundance Ion 94.00 (93.70 to 94.70): VV009416.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009416.D (-130) (-)

Time-->

1.50 1.55 1.60



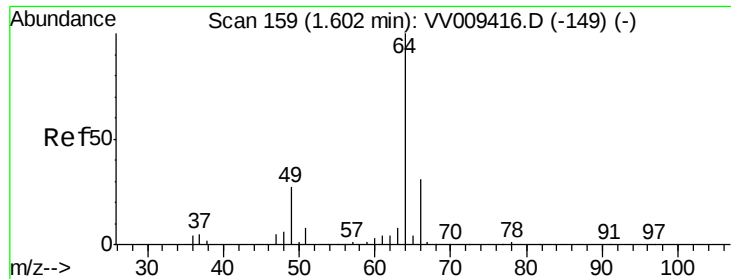
Abundance

Ion 94.00 (93.70 to 94.70): VV009416.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009416.D (-130) (-)

Time-->

1.50 1.55 1.60



#8

Chloroethane

Concen: 6.464 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

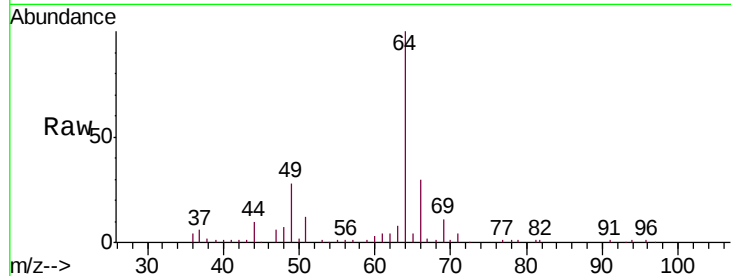
VSTD00563

Tgt Ion: 64 Resp: 28009

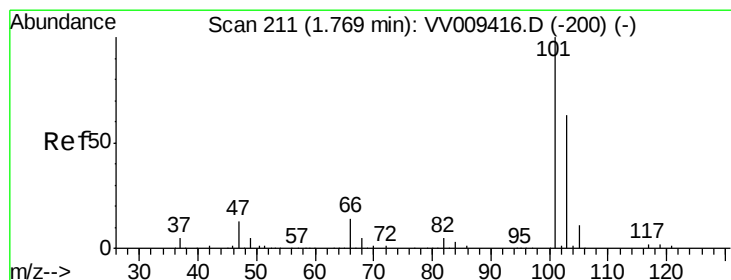
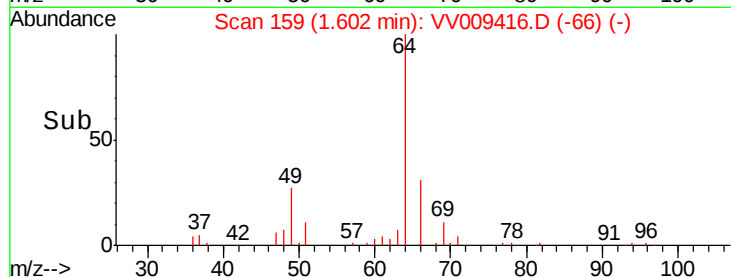
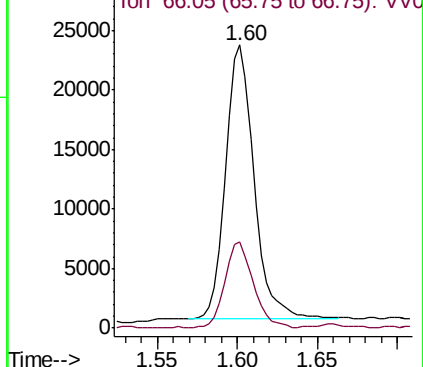
Ion Ratio Lower Upper

64 100

66 30.4 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VV009416.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 7.064 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV009416.D

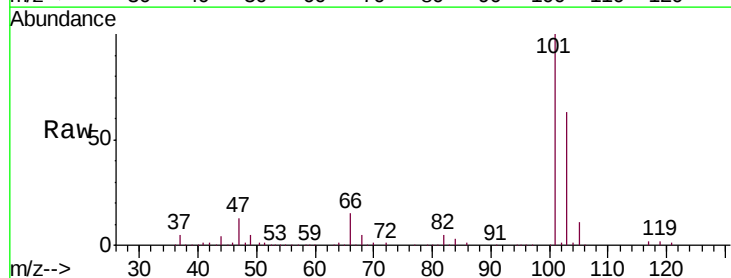
Acq: 28 Feb 2019 11:27

Tgt Ion: 101 Resp: 89922

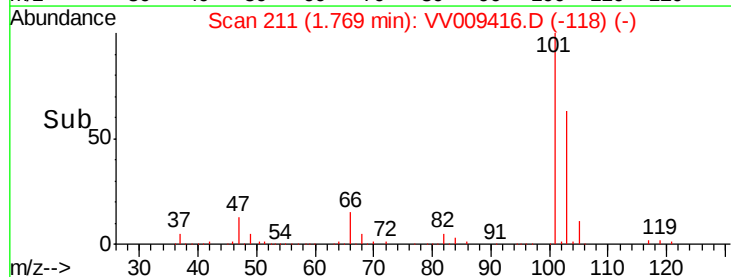
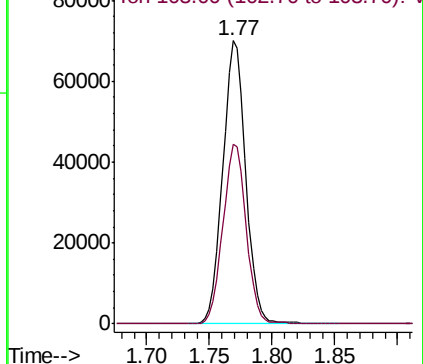
Ion Ratio Lower Upper

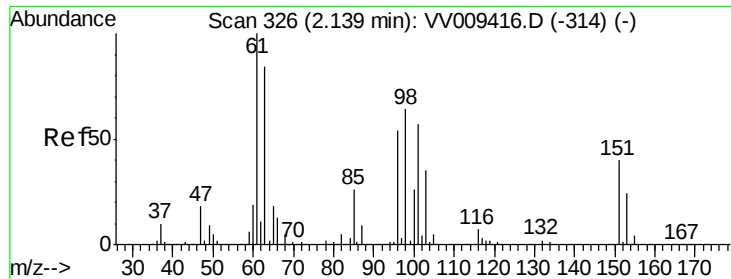
101 100

103 64.1 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV009416.D (-200) (-)





#10

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

Concen: 6.576 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

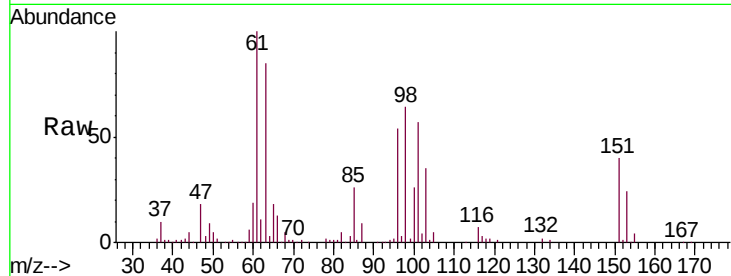
Tgt Ion: 101 Resp: 44414

Ion Ratio Lower Upper

101 100

85 47.8 38.2 57.4

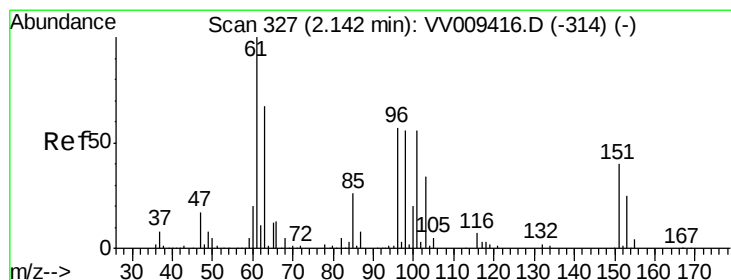
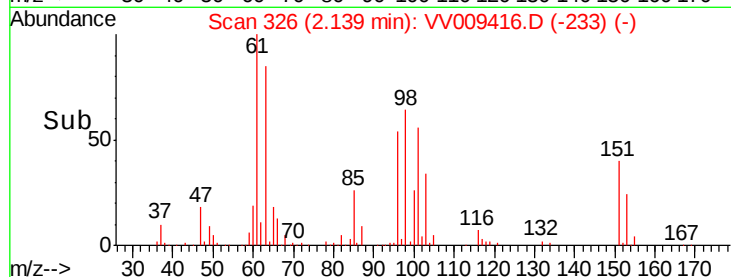
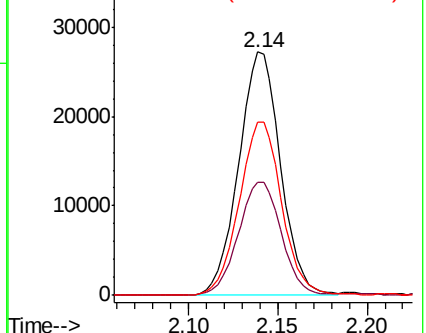
151 72.5 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV009416.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV009416.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV009416.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 6.615 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

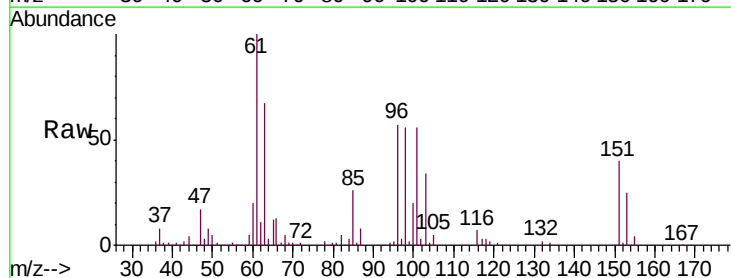
Tgt Ion: 96 Resp: 38968

Ion Ratio Lower Upper

96 100

61 175.8 123.1 228.5

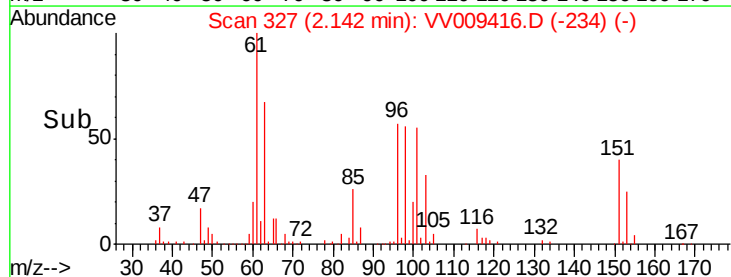
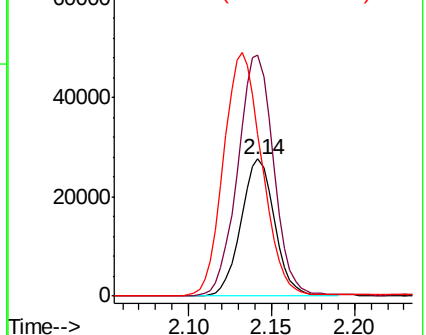
63 118.4 82.9 153.9

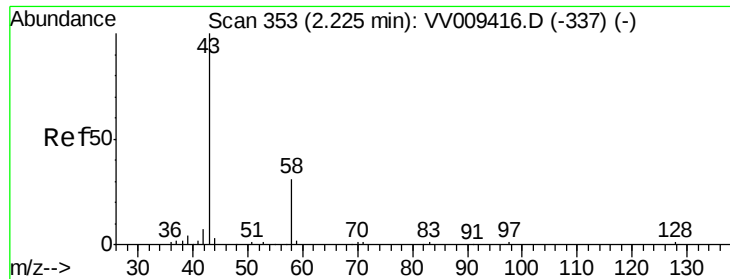


Abundance Ion 96.00 (95.70 to 96.70): VV009416.D (-314) (-)

Ion 61.05 (60.75 to 61.75): VV009416.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV009416.D (-314) (-)





#13

Acetone

Concen: 64.403 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

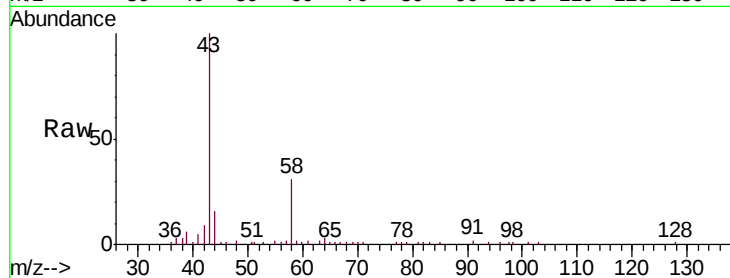
VSTD00563

Tgt Ion: 43 Resp: 55676

Ion Ratio Lower Upper

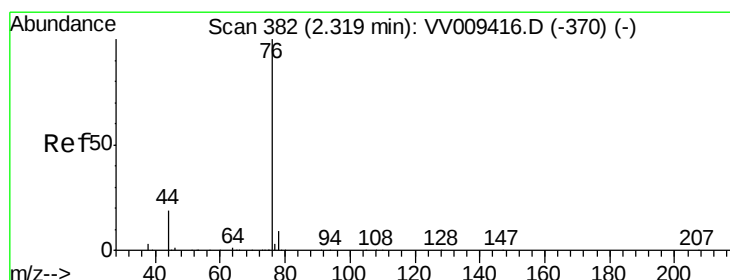
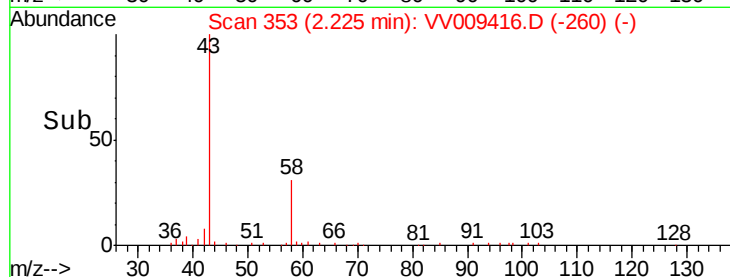
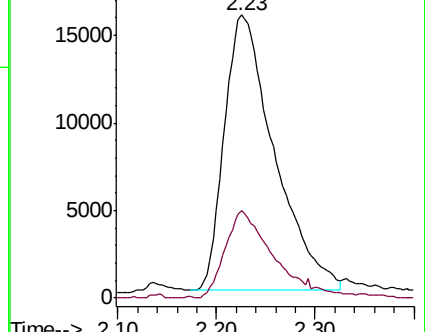
43 100

58 31.0 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV009416.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV009416.D (-337) (-)



#14

Carbon disulfide

Concen: 7.098 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV009416.D

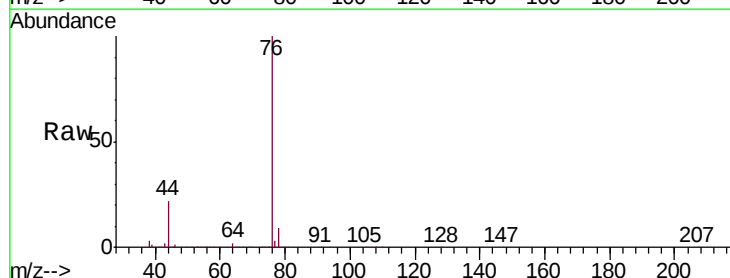
Acq: 28 Feb 2019 11:27

Tgt Ion: 76 Resp: 129529

Ion Ratio Lower Upper

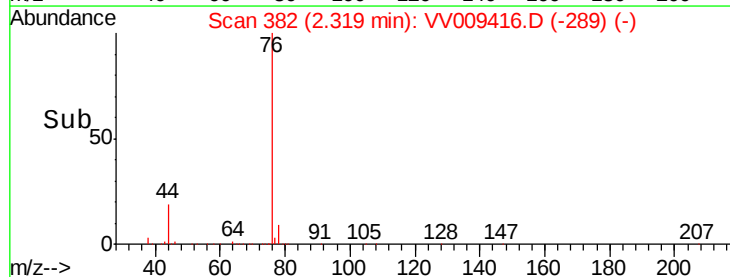
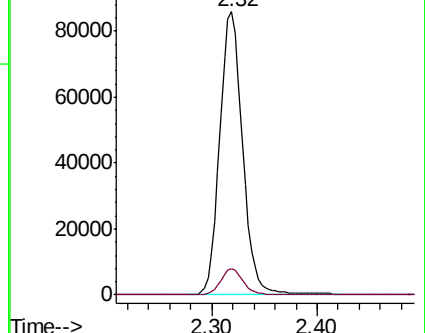
76 100

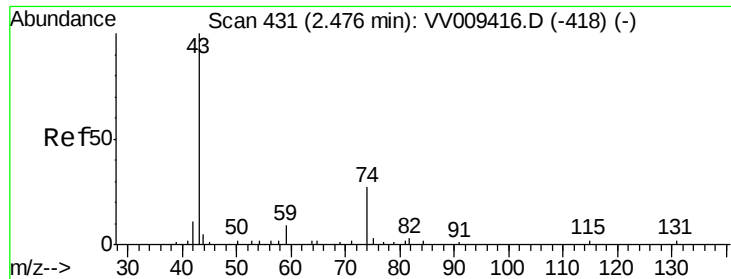
78 9.3 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV009416.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV009416.D (-370) (-)





#15

Methyl Acetate

Concen: 7.366 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

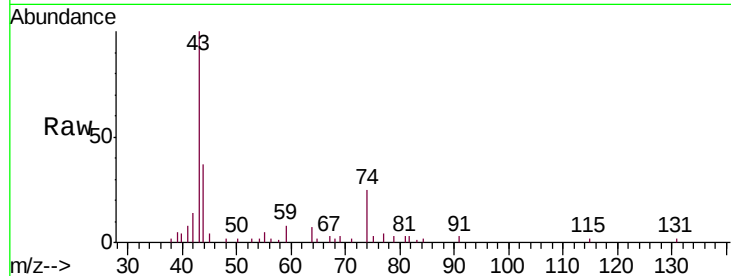
VSTD00563

Tgt Ion: 43 Resp: 14941

Ion Ratio Lower Upper

43 100

74 25.7 20.6 30.8

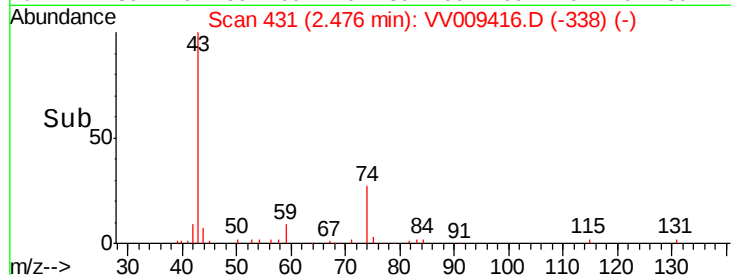


Abundance Ion 43.05 (42.75 to 43.75): VV009416.D (-418) (-)

Ion 74.05 (73.75 to 74.75): VV009416.D (-418) (-)

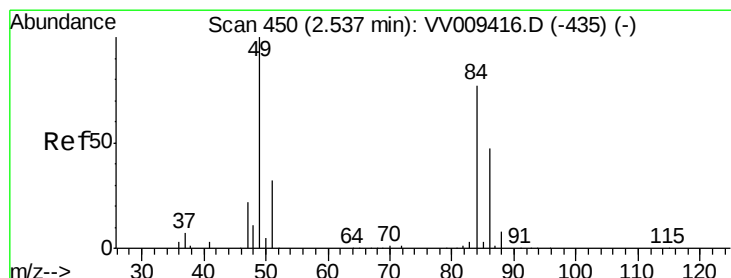
2.48

Time-->



2.48

Time-->



#16

Methylene chloride

Concen: 6.397 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

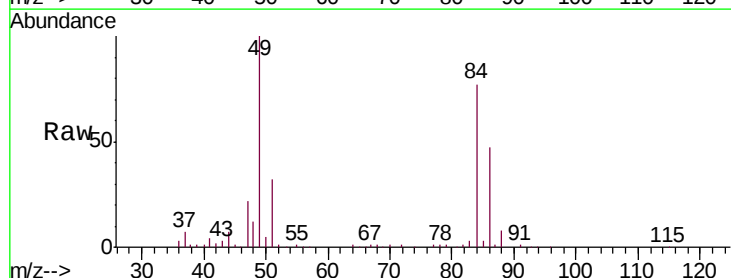
Tgt Ion: 84 Resp: 40895

Ion Ratio Lower Upper

84 100

86 61.1 42.8 79.4

49 129.4 90.6 168.2



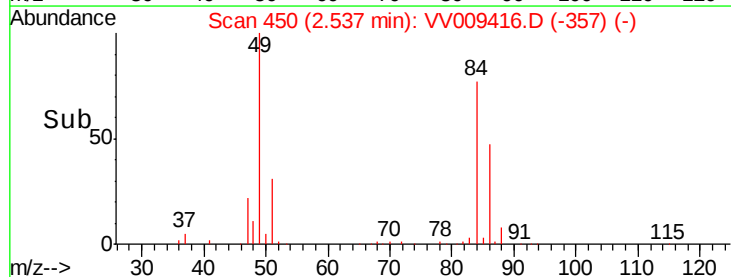
Abundance Ion 84.05 (83.75 to 84.75): VV009416.D (-435) (-)

Ion 86.00 (85.70 to 86.70): VV009416.D (-435) (-)

Ion 49.10 (48.80 to 49.80): VV009416.D (-435) (-)

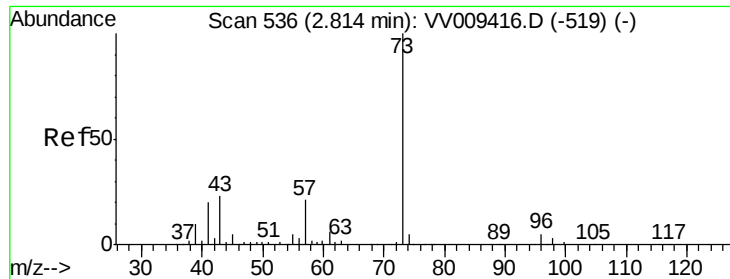
2.54

Time-->



2.54

Time-->

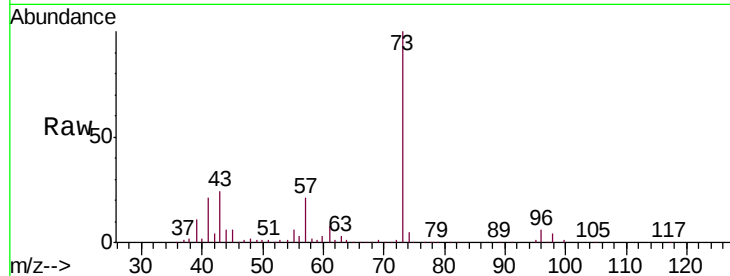


#17

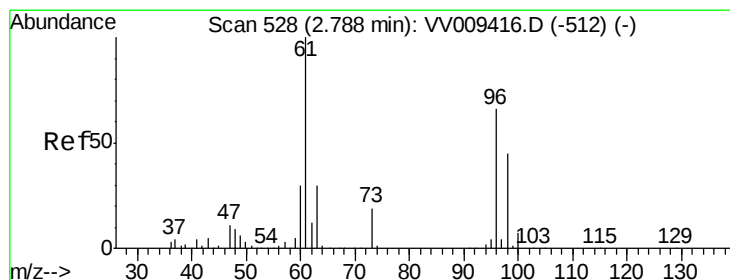
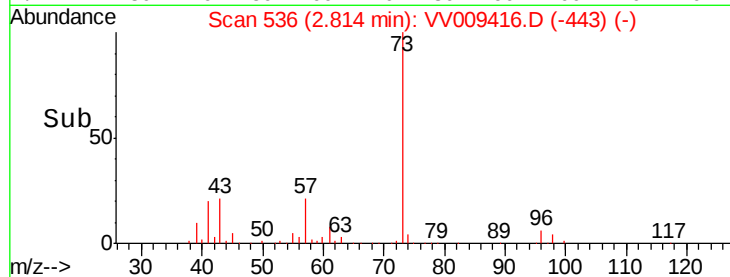
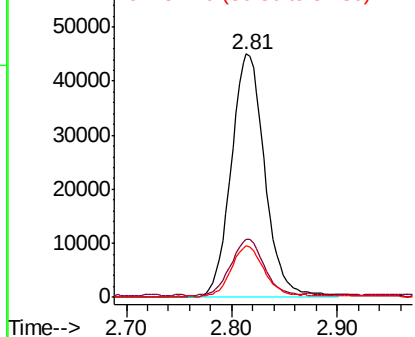
Methyl tert-butyl Ether
Concen: 6.802 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV009416.D
Acq: 28 Feb 2019 11:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.6	18.1	27.1
57	19.8	15.8	23.8



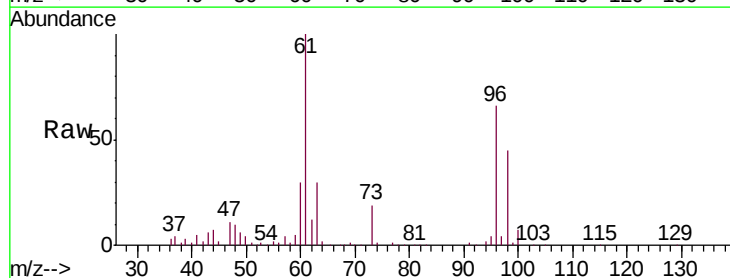
Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0



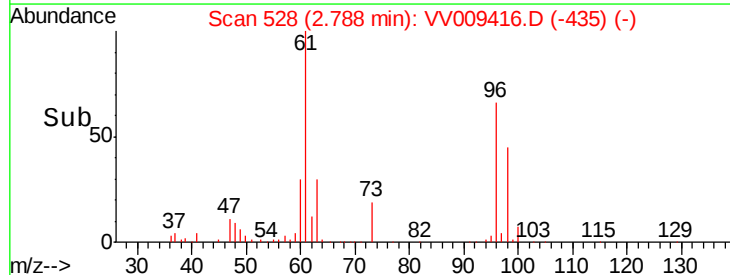
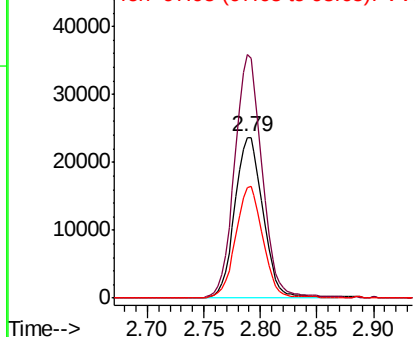
#18

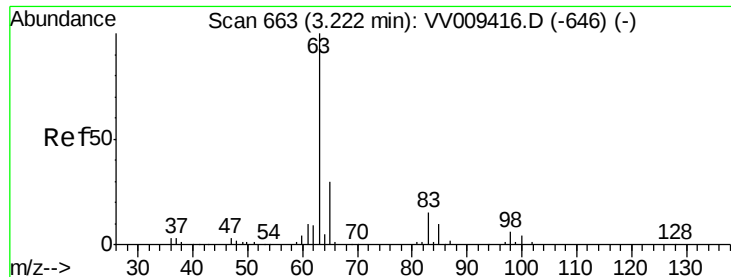
trans-1,2-Dichloroethene
Concen: 6.459 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV009416.D
Acq: 28 Feb 2019 11:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.4	106.0	196.8
98	68.8	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: 4.858 ug/L

RT: 3.22 min Scan# 663

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

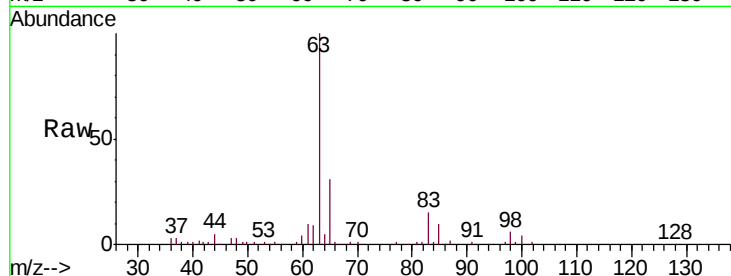
Tgt Ion: 63 Resp: 62219

Ion Ratio Lower Upper

63 100

65 30.9 21.6 40.2

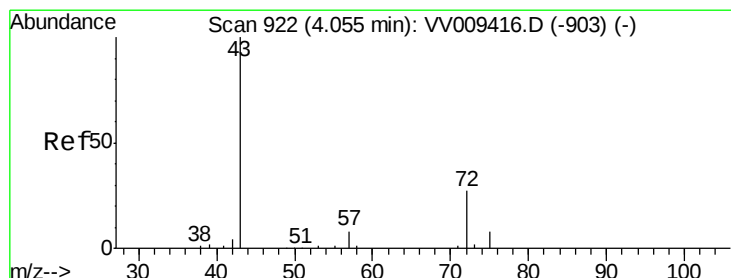
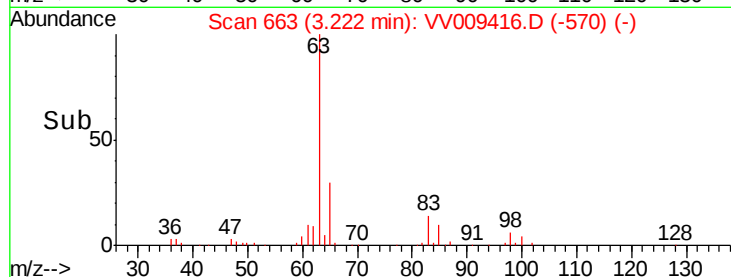
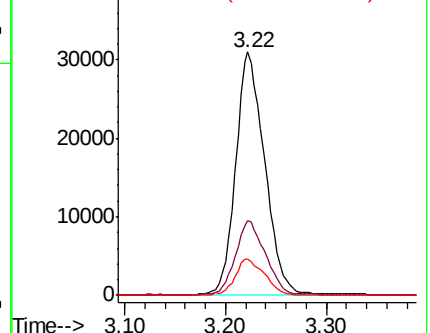
83 14.9 10.4 19.4



Abundance Ion 63.10 (62.80 to 63.80): VV009416.D (-646) (-)

Ion 65.10 (64.80 to 65.80): VV009416.D (-646) (-)

Ion 83.05 (82.75 to 83.75): VV009416.D (-646) (-)



#21

2-Butanone

Concen: 47.530 ug/L

RT: 4.05 min Scan# 922

Delta R.T. 0.00 min

Lab File: VV009416.D

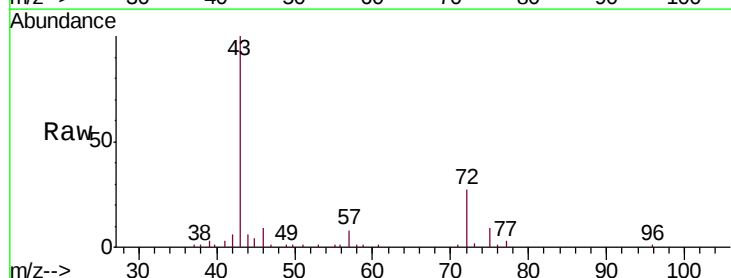
Acq: 28 Feb 2019 11:27

Tgt Ion: 43 Resp: 70476

Ion Ratio Lower Upper

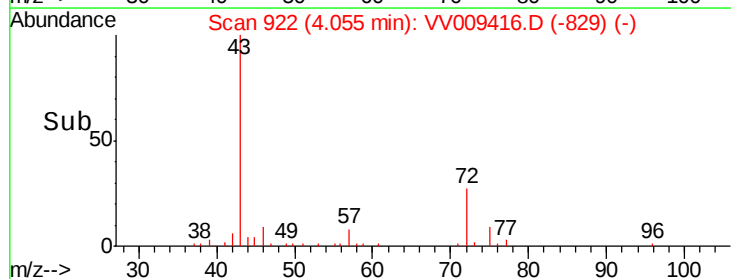
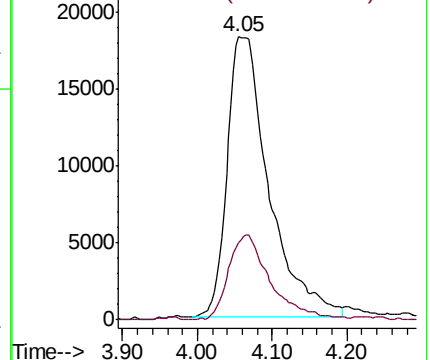
43 100

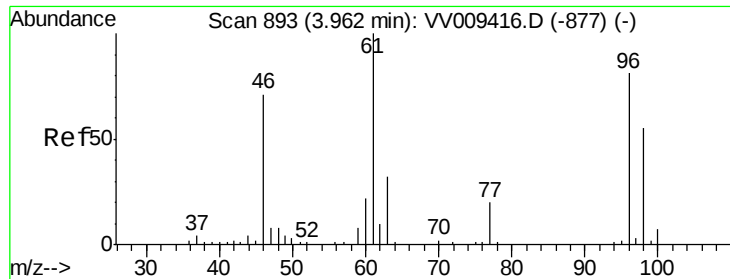
72 30.7 15.4 46.1



Abundance Ion 43.05 (42.75 to 43.75): VV009416.D (-903) (-)

Ion 72.10 (71.80 to 72.80): VV009416.D (-903) (-)



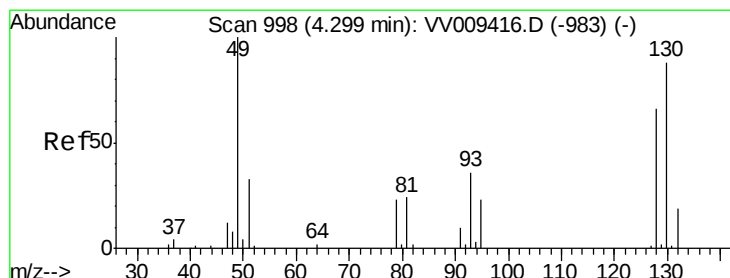
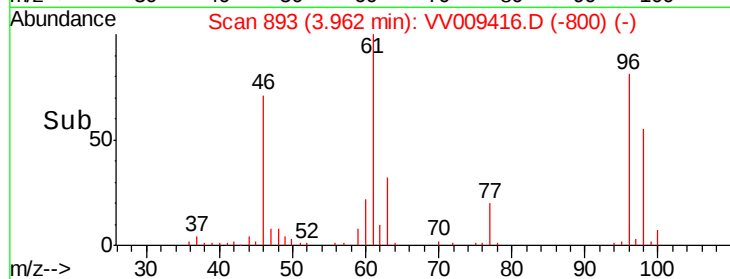
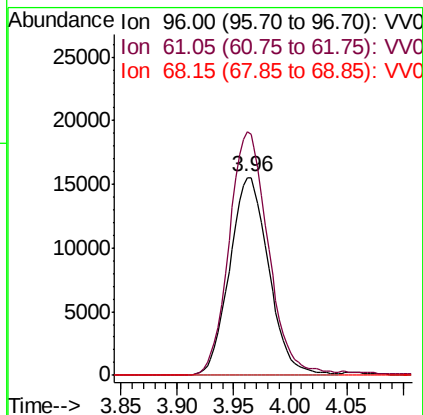
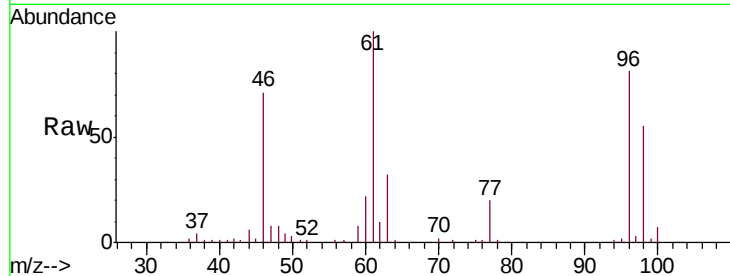


#22

cis-1,2-Dichloroethene
 Concen: 4.712 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

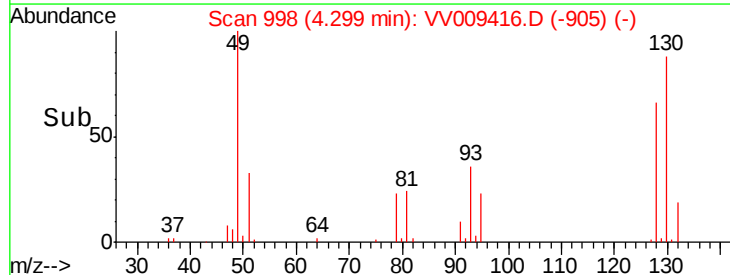
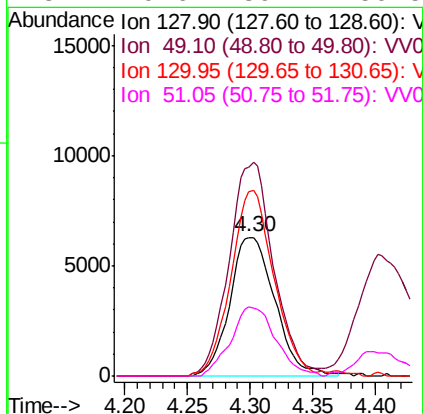
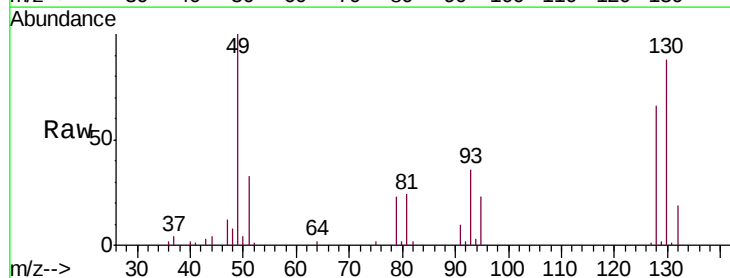
Tgt Ion: 96 Resp: 37483
 Ion Ratio Lower Upper
 96 100
 61 122.9 86.0 159.8
 68 0.0 0.0 0.0

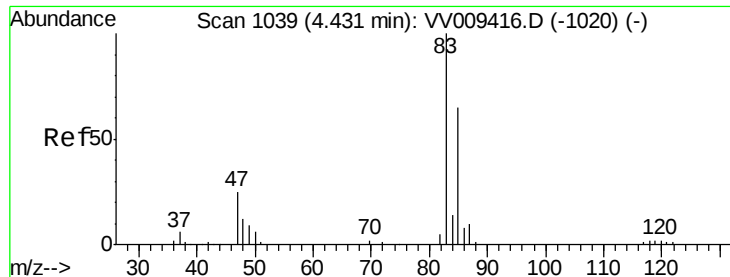


#23

Bromochloromethane
 Concen: 4.672 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

Tgt Ion: 128 Resp: 15725
 Ion Ratio Lower Upper
 128 100
 49 151.1 105.8 196.4
 130 133.1 93.2 173.0
 51 49.6 39.7 59.5

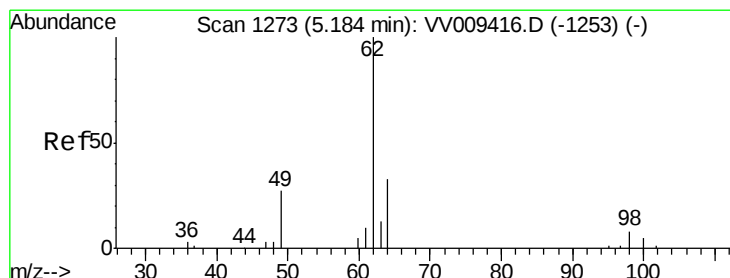
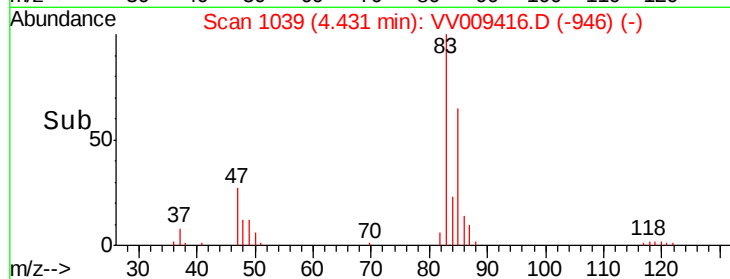
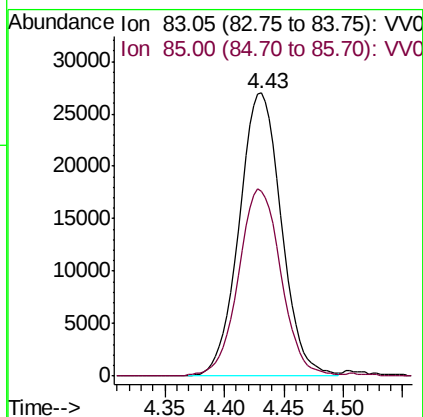
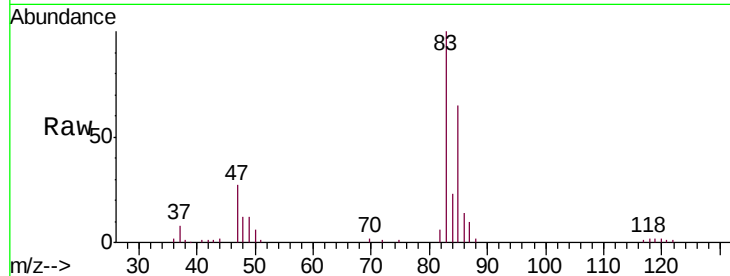




#25
Chloroform
Concen: 4.787 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV009416.D
Acq: 28 Feb 2019 11:27

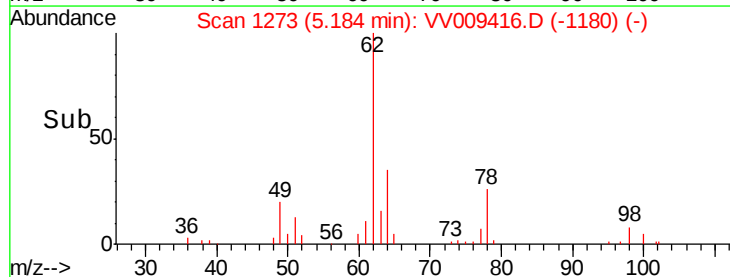
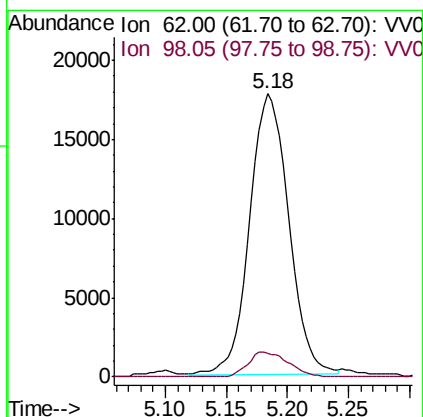
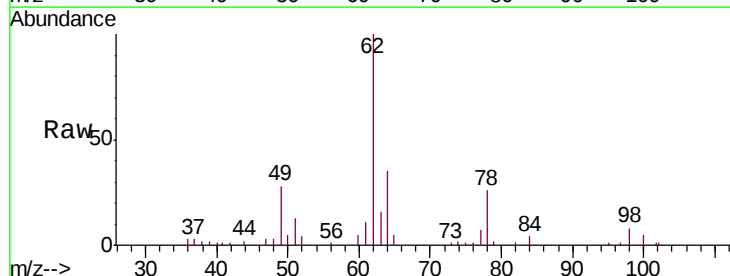
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

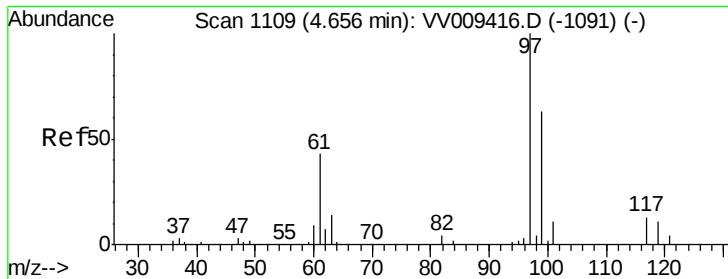
Tgt Ion: 83 Resp: 66407
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.966 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV009416.D
Acq: 28 Feb 2019 11:27

Tgt Ion: 62 Resp: 39341
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0

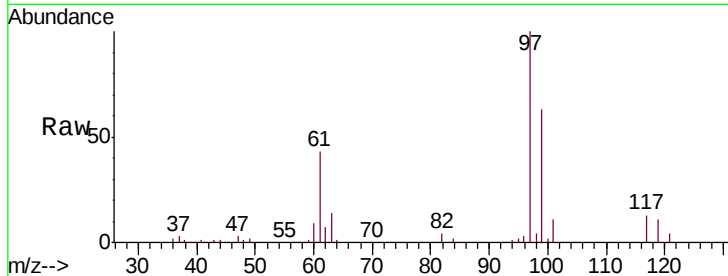




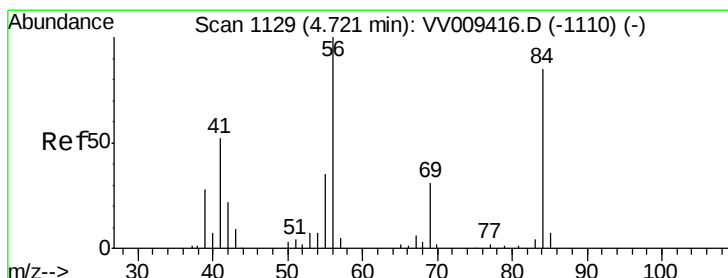
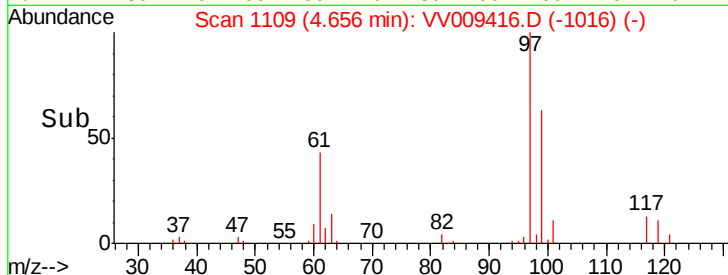
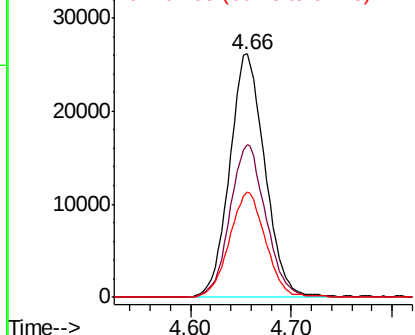
#29
 1,1,1-Trichloroethane
 Concen: 4.901 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion: 97 Resp: 63563
 Ion Ratio Lower Upper
 97 100
 99 63.1 50.5 75.7
 61 43.9 35.1 52.7

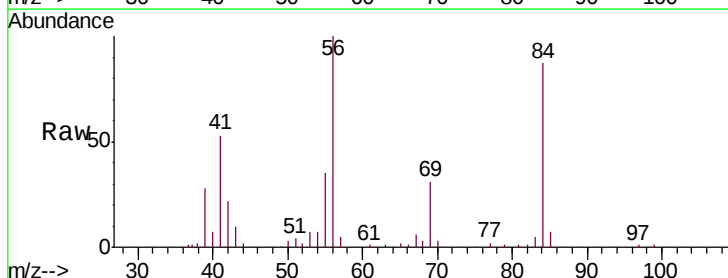


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

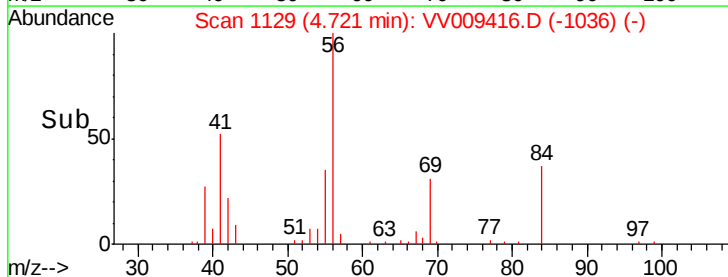
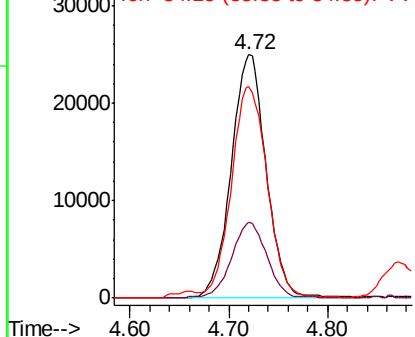


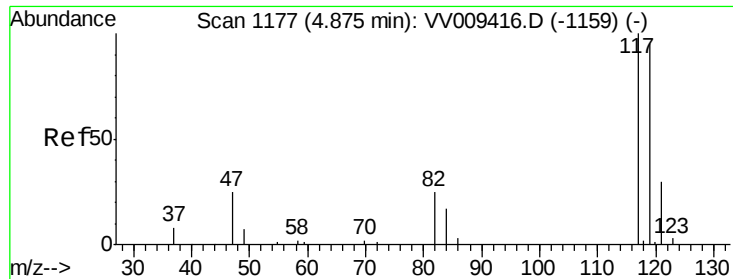
#30
 Cyclohexane
 Concen: 4.927 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

Tgt Ion: 56 Resp: 61502
 Ion Ratio Lower Upper
 56 100
 69 31.5 25.2 37.8
 84 89.4 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: 4.464 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

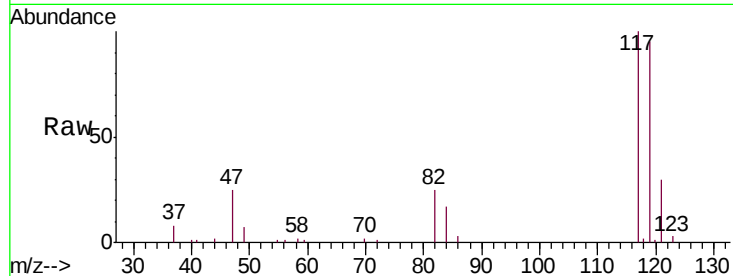
VSTD00563

Tgt Ion:117 Resp: 51270

Ion Ratio Lower Upper

117 100

119 96.1 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

25000

20000

15000

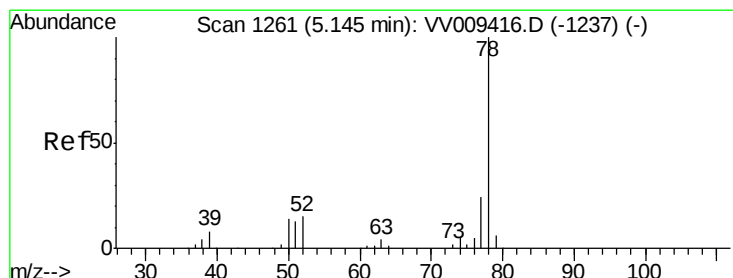
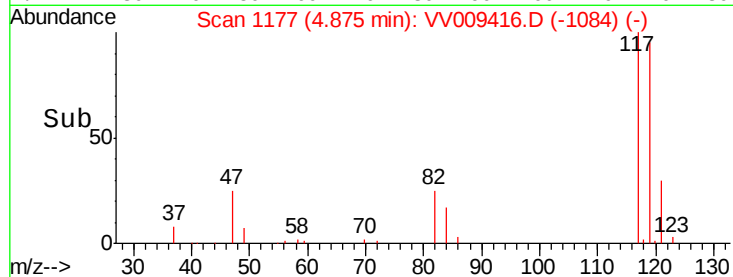
10000

5000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 4.722 ug/L

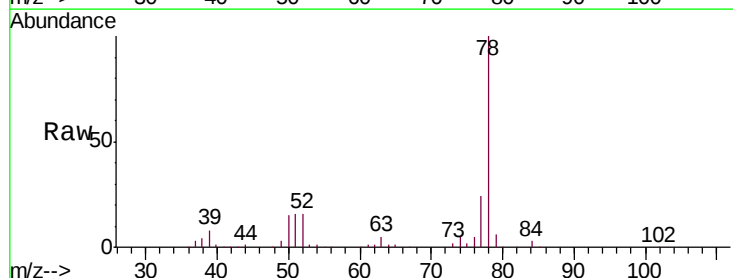
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

Tgt Ion: 78 Resp: 146041



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

60000

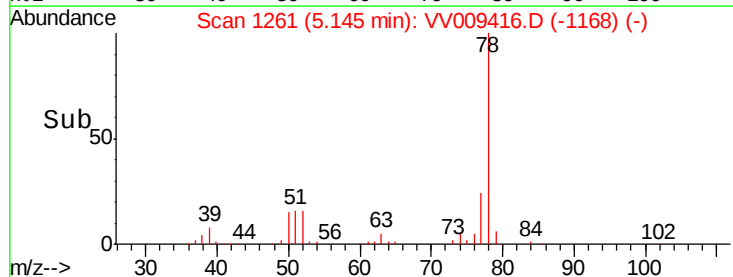
40000

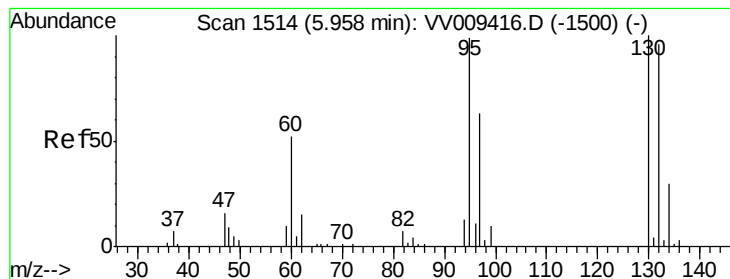
20000

0

5.00 5.10 5.20

Time-->





#34

Trichloroethene

Concen: 4.630 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tgt Ion: 95 Resp: 41587

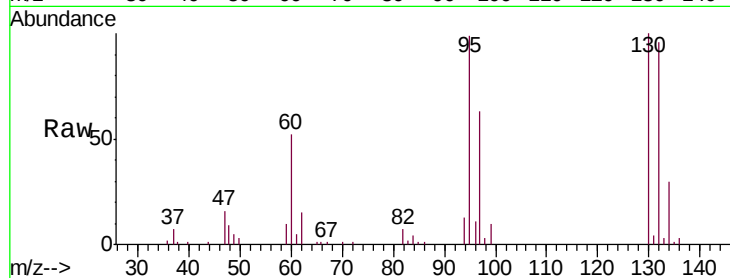
Ion Ratio Lower Upper

95 100

97 63.2 44.2 82.2

132 96.9 67.8 126.0

130 100.6 70.4 130.8

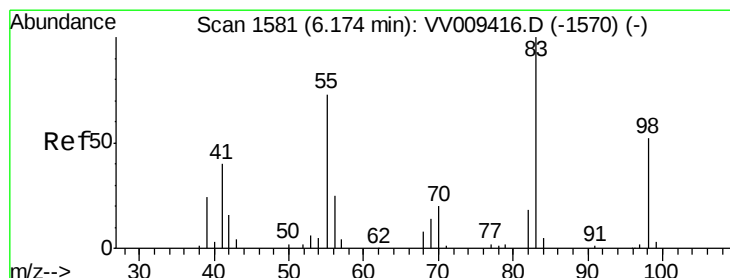
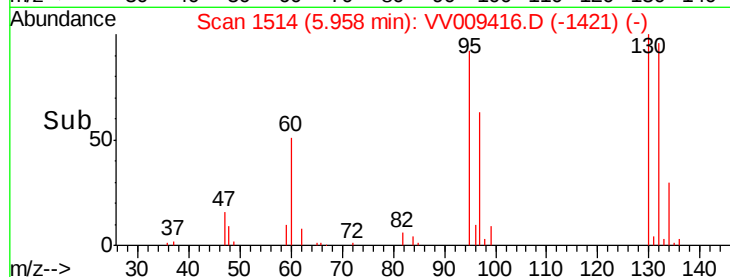
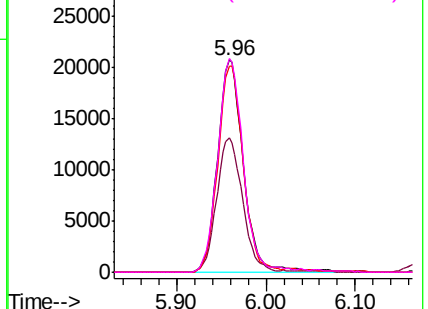


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.582 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

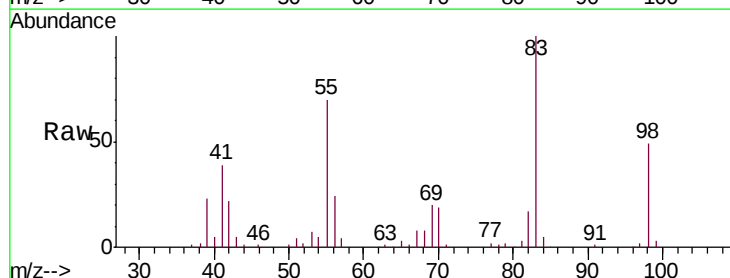
Tgt Ion: 83 Resp: 64862

Ion Ratio Lower Upper

83 100

55 74.8 59.8 89.8

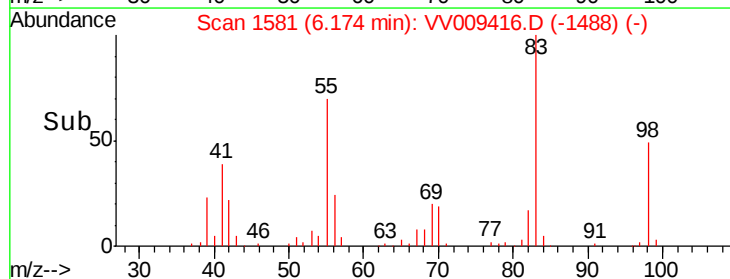
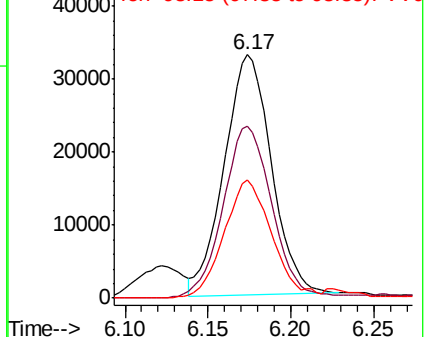
98 49.9 39.9 59.9

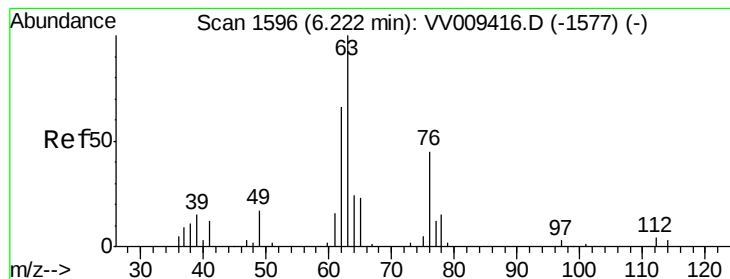


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.748 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

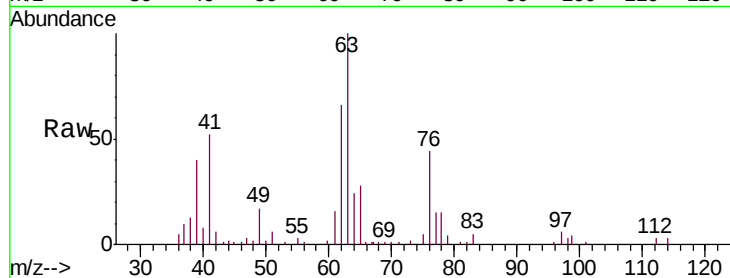
VSTD00563

Tgt Ion: 63 Resp: 35770

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VV009416.D (-1577) (-)

Ion 112.10 (111.80 to 112.80): VV009416.D (-1577) (-)

6.22

20000

15000

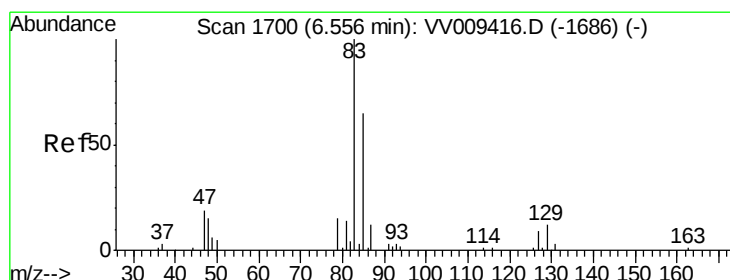
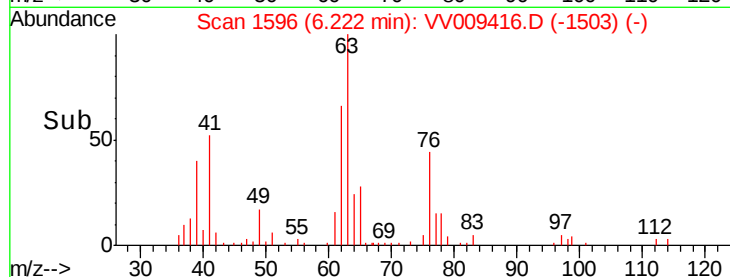
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.252 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

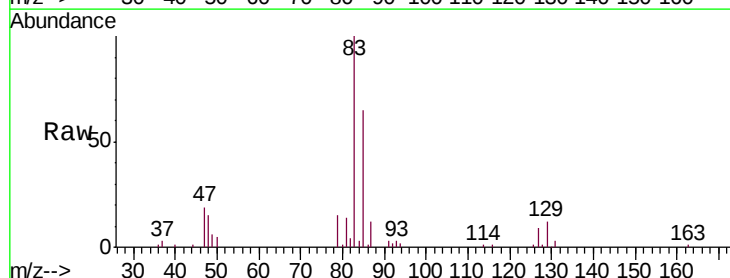
Tgt Ion: 83 Resp: 50462

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

127 8.9 7.1 10.7



Abundance Ion 82.95 (82.65 to 83.65): VV009416.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV009416.D (-1686) (-)

Ion 126.90 (126.60 to 127.60): VV009416.D (-1686) (-)

6.56

30000

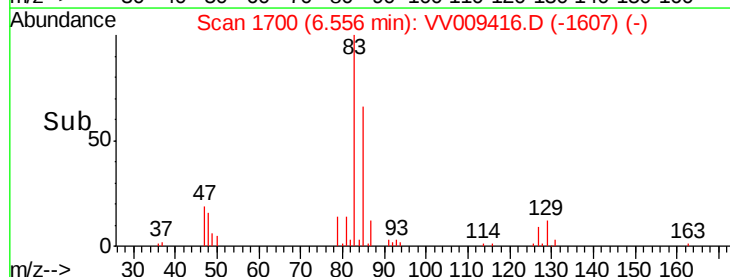
20000

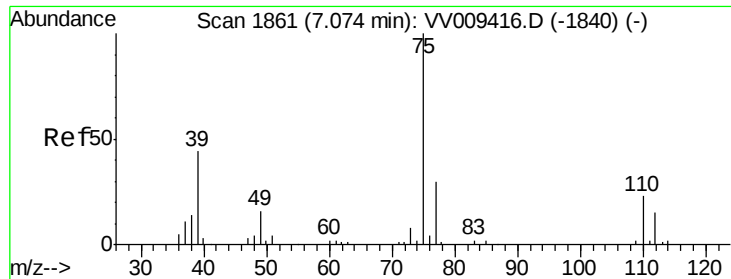
10000

0

6.45 6.50 6.55 6.60 6.65

Time-->

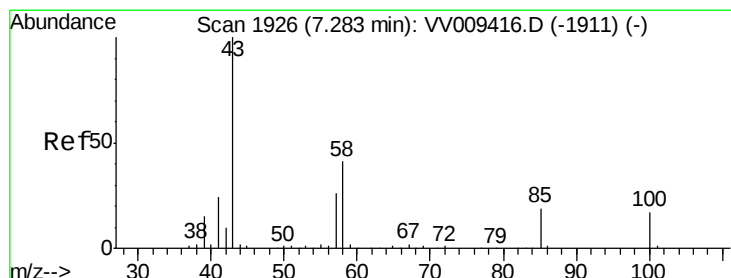
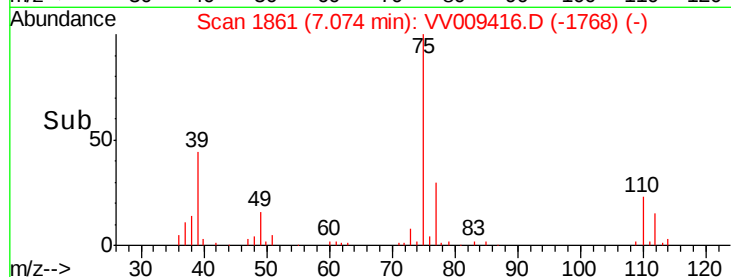
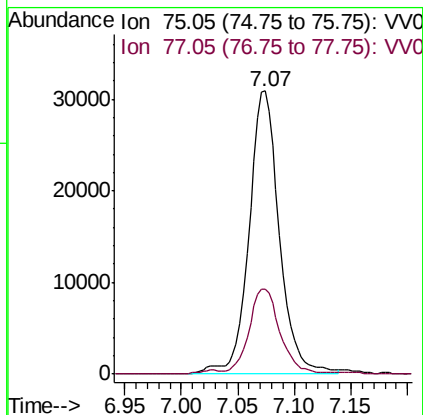
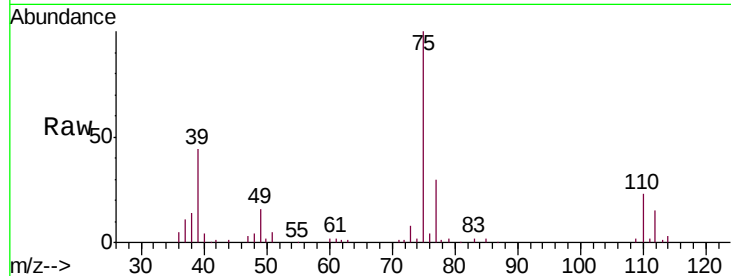




#39
 cis-1,3-Dichloropropene
 Concen: 5.287 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

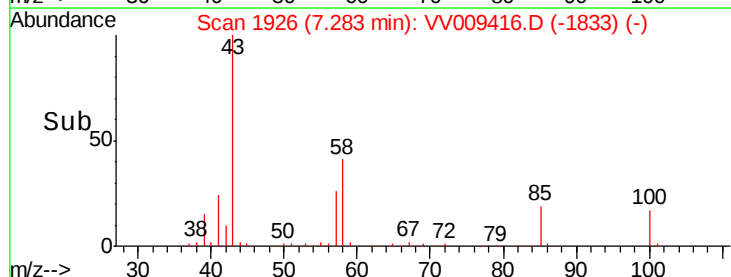
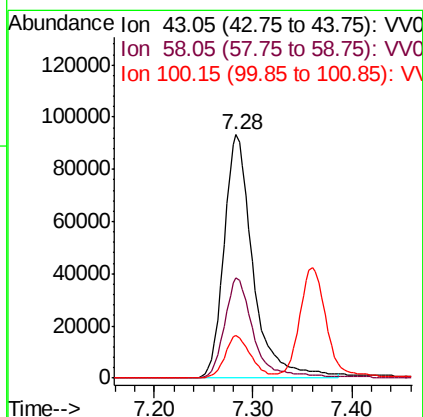
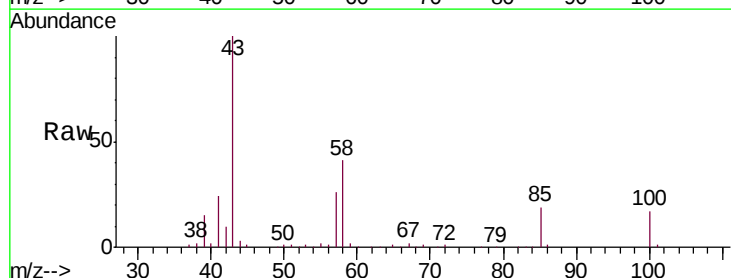
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

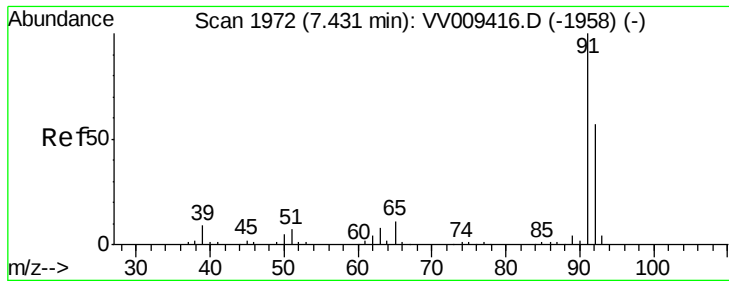
Tgt Ion: 75 Resp: 57701
 Ion Ratio Lower Upper
 75 100
 77 30.1 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 49.731 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

Tgt Ion: 43 Resp: 192536
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.7 49.1
 100 15.5 12.4 18.6





#42

Toluene

Concen: 4.984 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

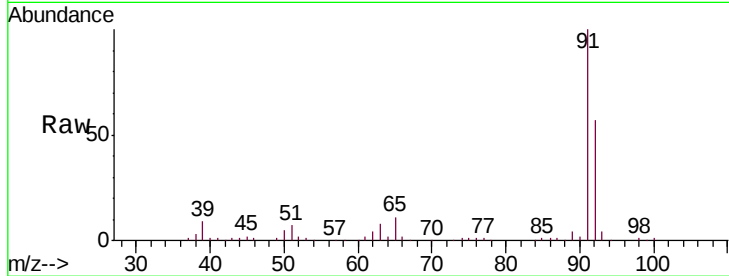
VSTD00563

Tgt Ion: 91 Resp: 168339

Ion Ratio Lower Upper

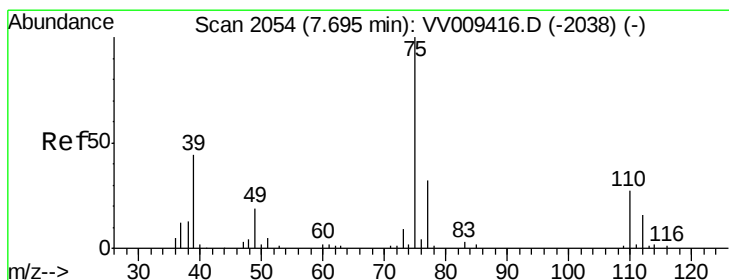
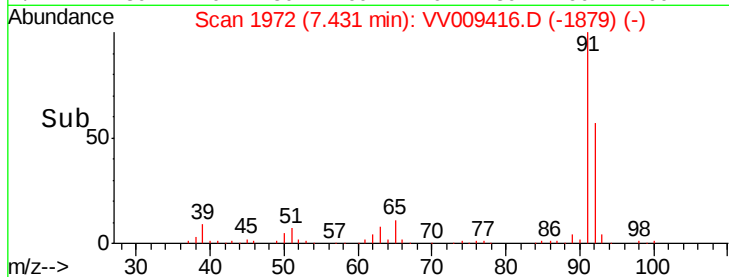
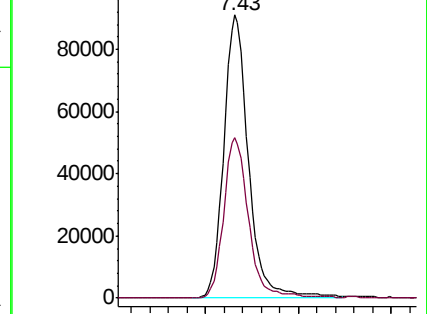
91 100

92 56.8 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV009416.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV009416.D (-1958) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.363 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009416.D

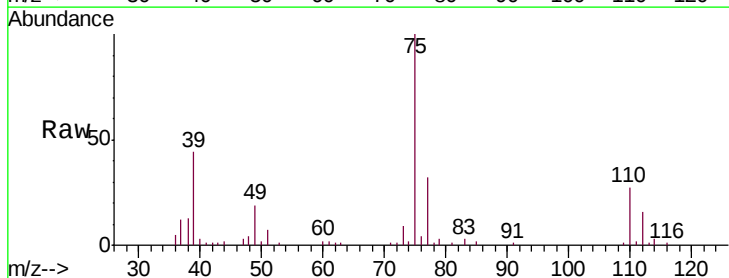
Acq: 28 Feb 2019 11:27

Tgt Ion: 75 Resp: 45261

Ion Ratio Lower Upper

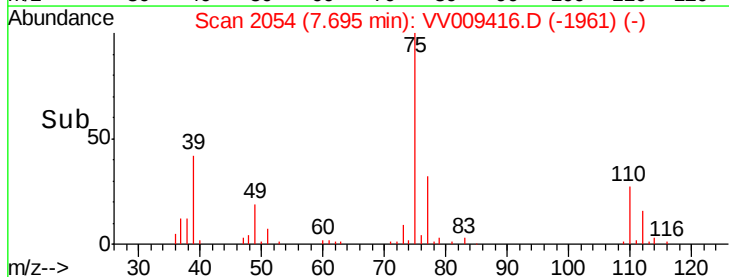
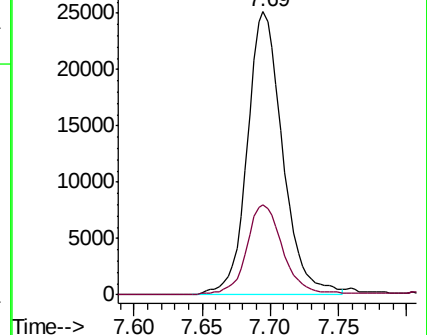
75 100

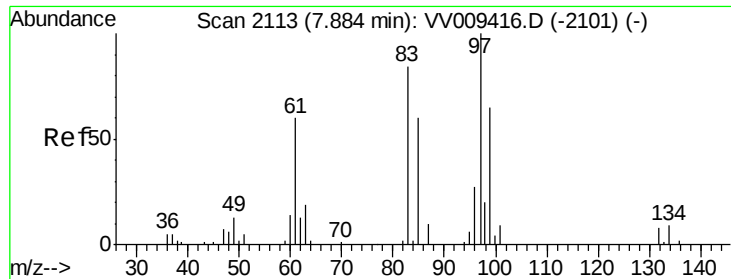
77 31.7 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV009416.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV009416.D (-2038) (-)

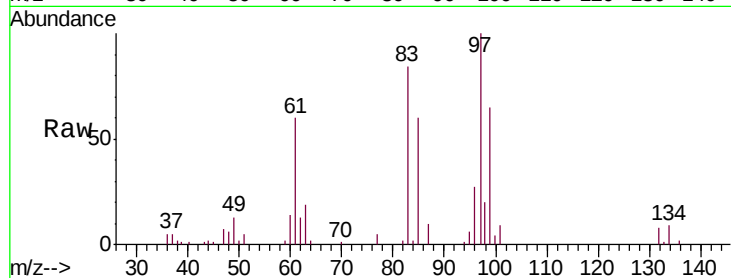




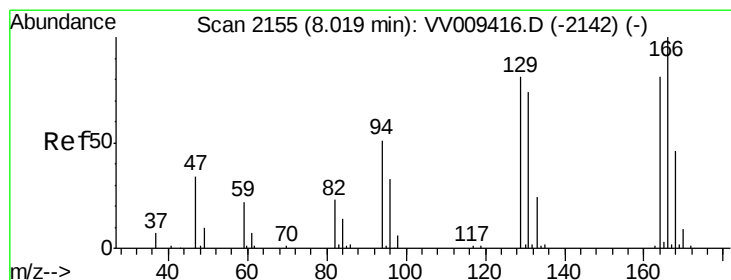
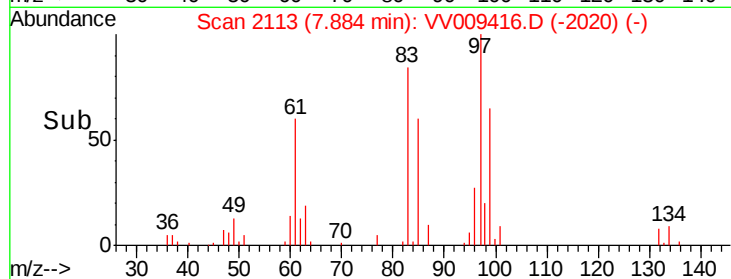
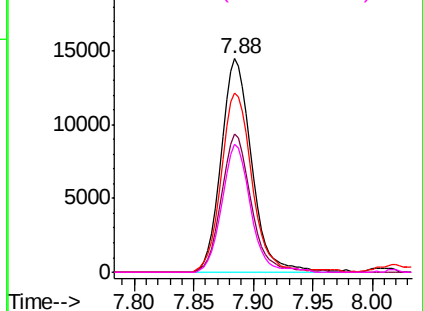
#45
 1,1,2-Trichloroethane
 Concen: 4.836 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion:	97	Resp:	25880
Ion	Ratio	Lower	Upper
97	100		
99	64.9	45.4	84.4
83	84.0	58.8	109.2
85	59.8	41.9	77.7

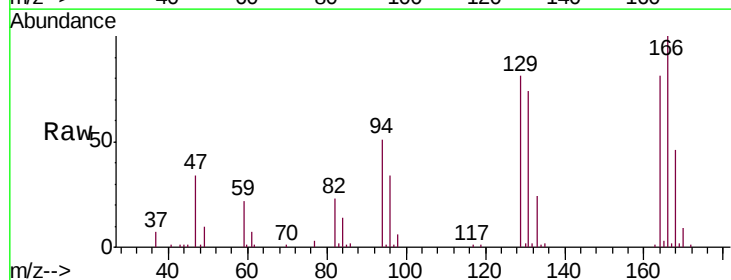


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

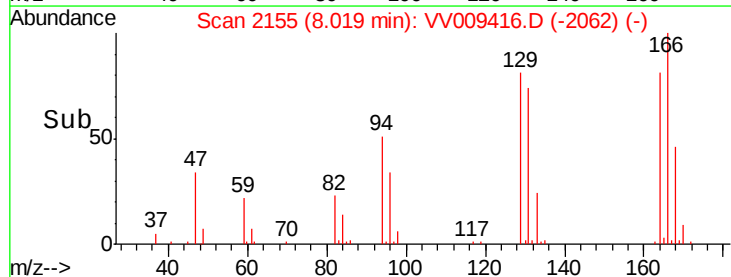
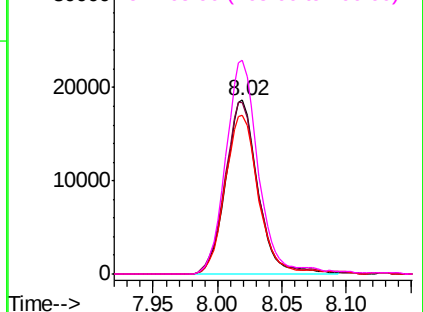


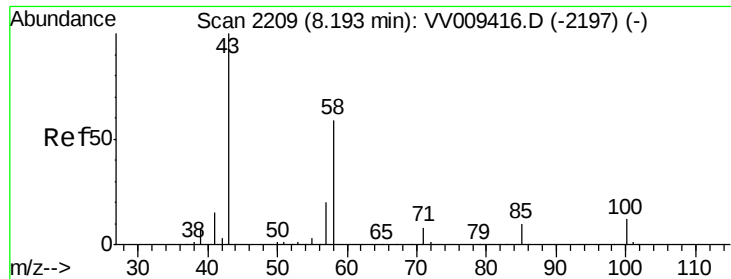
#47
 Tetrachloroethene
 Concen: 4.495 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

Tgt Ion:	164	Resp:	32106
Ion	Ratio	Lower	Upper
164	100		
129	99.0	69.3	128.7
131	91.4	64.0	118.8
166	122.8	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

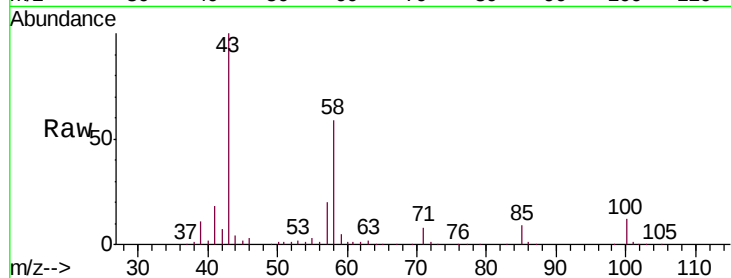




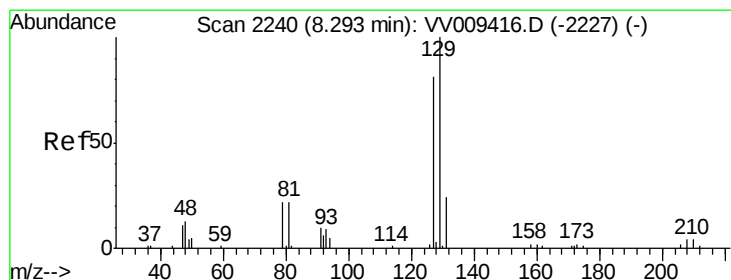
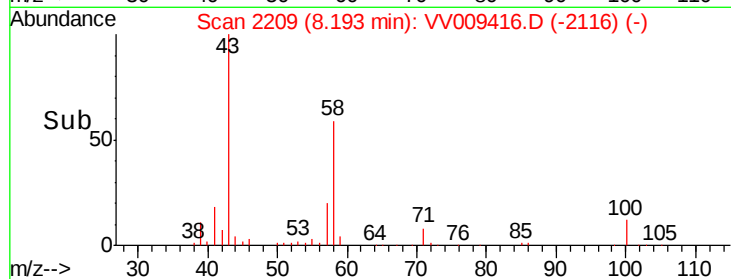
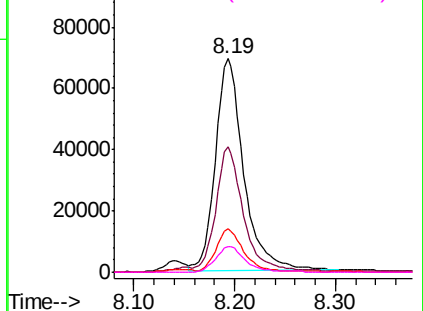
#48
2-Hexanone
Concen: 49.901 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV009416.D
Acq: 28 Feb 2019 11:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion:	43	Resp:	135777
Ion	Ratio	Lower	Upper
43	100		
58	56.5	45.2	67.8
57	20.0	16.0	24.0
100	12.8	10.2	15.4

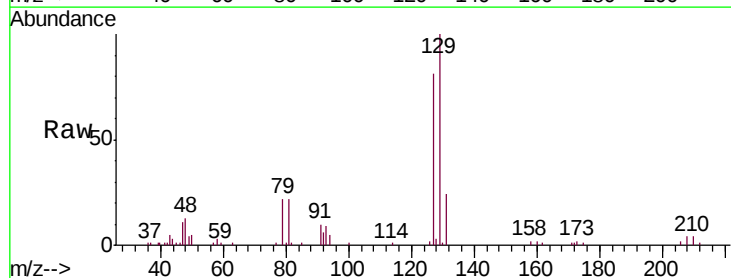


Abundance Ion 43.05 (42.75 to 43.75): VV009416.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV009416.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV009416.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV009416.D (-2197) (-)

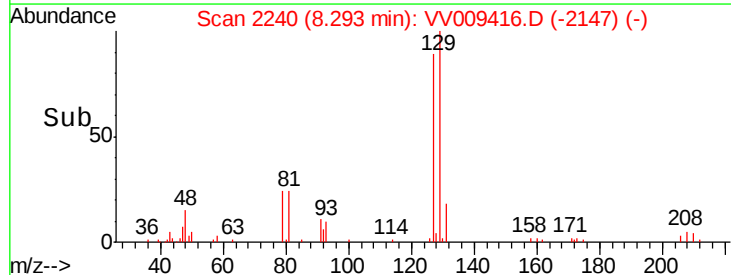
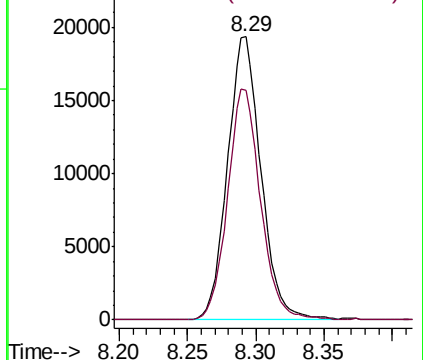


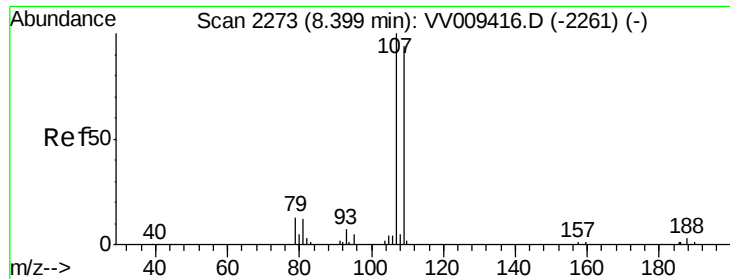
#49
Dibromochloromethane
Concen: 5.197 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009416.D
Acq: 28 Feb 2019 11:27

Tgt Ion:	129	Resp:	32999
Ion	Ratio	Lower	Upper
129	100		
127	80.9	56.6	105.2



Abundance Ion 128.95 (128.65 to 129.65): VV009416.D (-2227) (-)
Ion 126.90 (126.60 to 127.60): VV009416.D (-2227) (-)

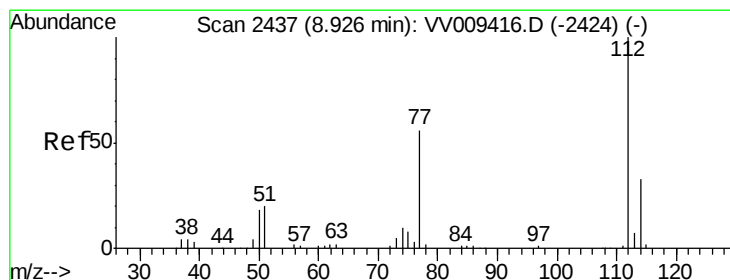
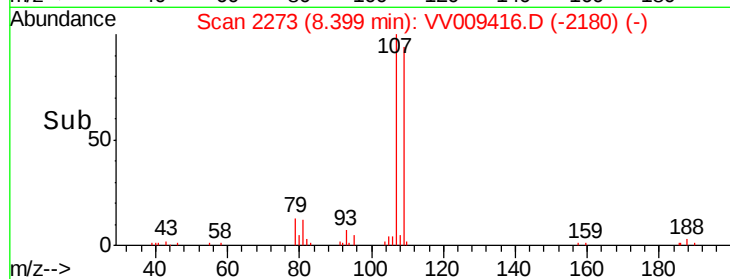
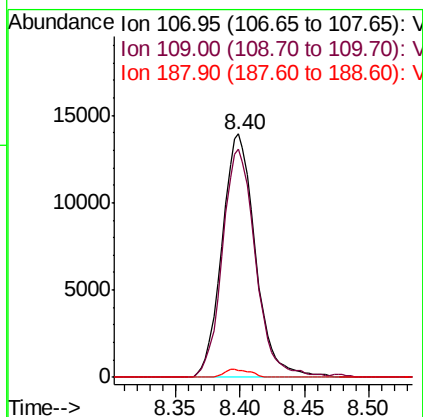
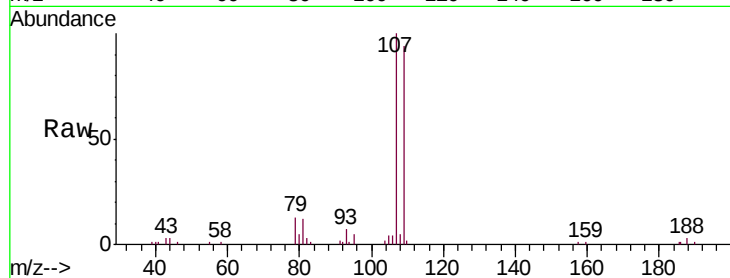




#50
1,2-Dibromoethane
Concen: 4.989 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV009416.D
Acq: 28 Feb 2019 11:27

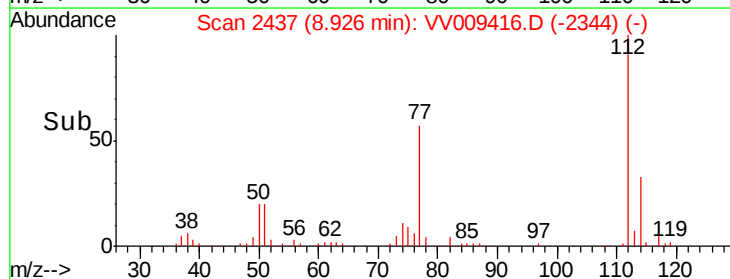
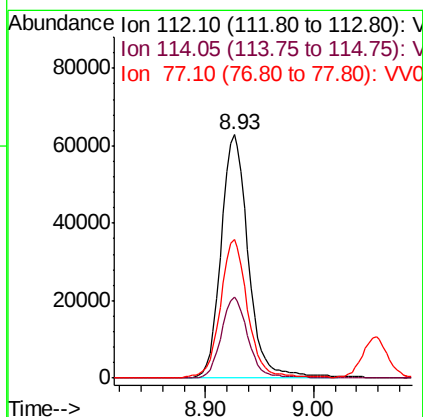
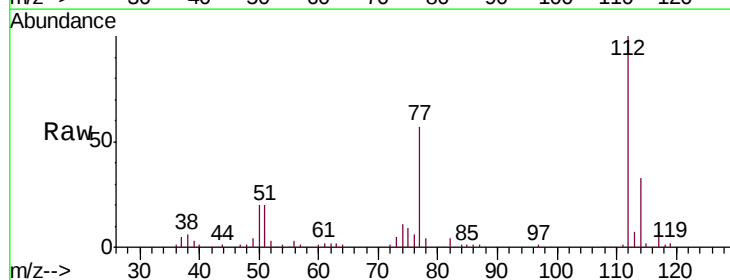
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

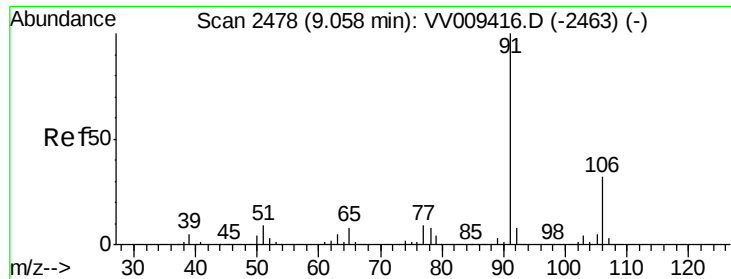
Tgt Ion:107 Resp: 25061
Ion Ratio Lower Upper
107 100
109 93.8 65.7 121.9
188 3.0 2.4 3.6



#51
Chlorobenzene
Concen: 4.963 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009416.D
Acq: 28 Feb 2019 11:27

Tgt Ion:112 Resp: 110629
Ion Ratio Lower Upper
112 100
114 33.2 23.2 43.2
77 57.1 45.7 68.5





#52

Ethylbenzene

Concen: 5.155 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

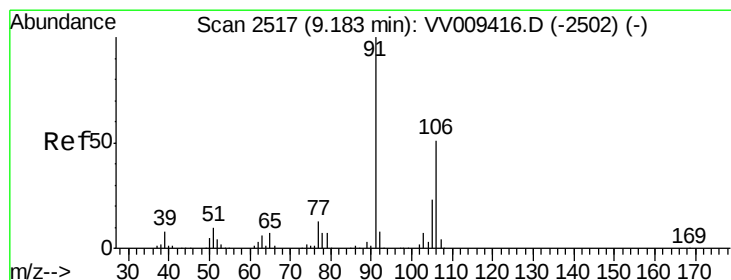
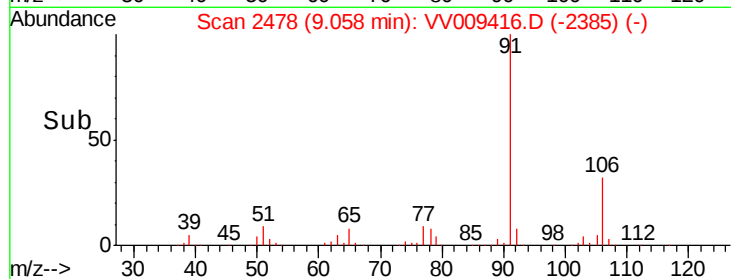
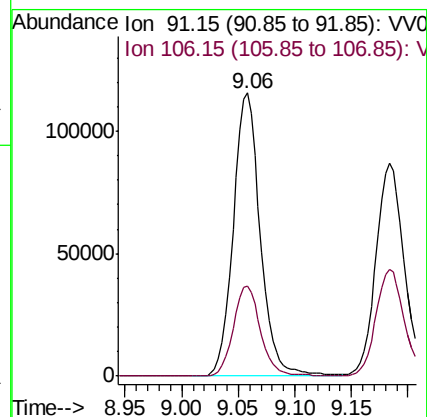
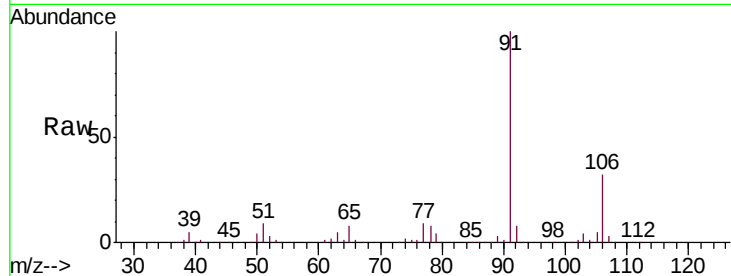
VSTD00563

Tgt Ion: 91 Resp: 192093

Ion Ratio Lower Upper

91 100

106 31.7 22.2 41.2



#53

m,p-xylene

Concen: 5.336 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009416.D

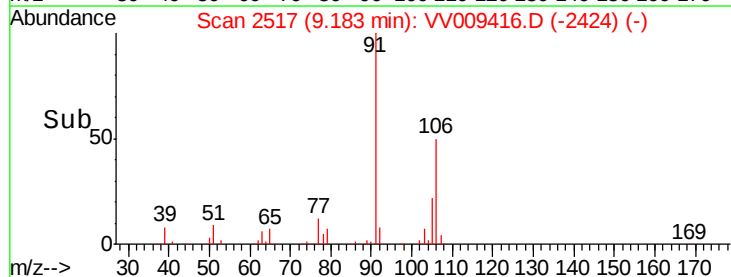
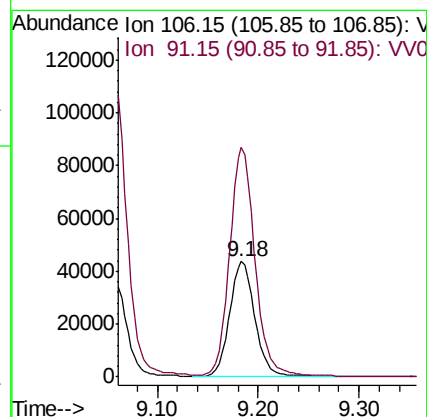
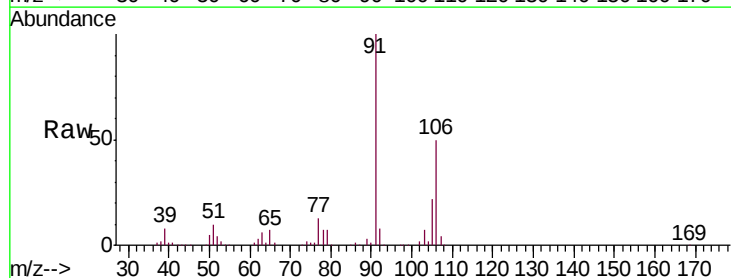
Acq: 28 Feb 2019 11:27

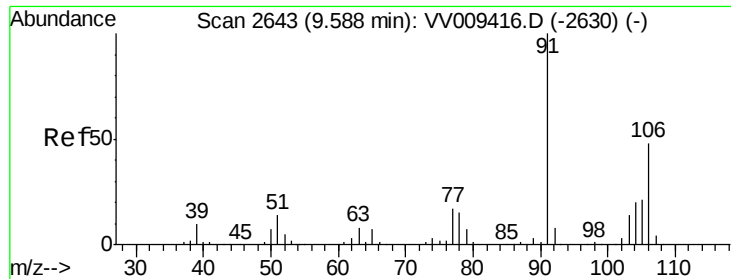
Tgt Ion: 106 Resp: 76404

Ion Ratio Lower Upper

106 100

91 198.5 138.9 258.1

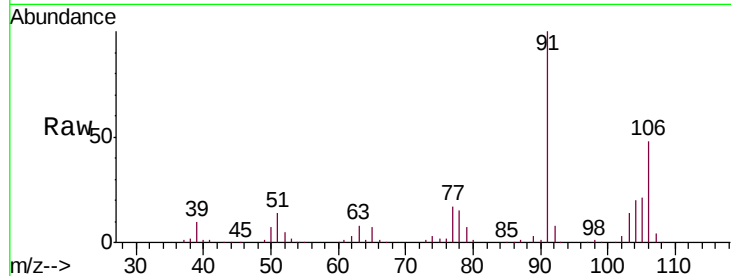




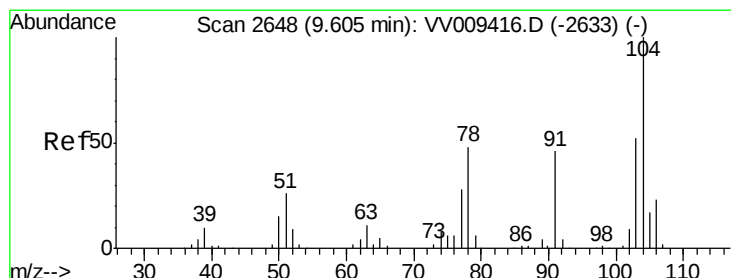
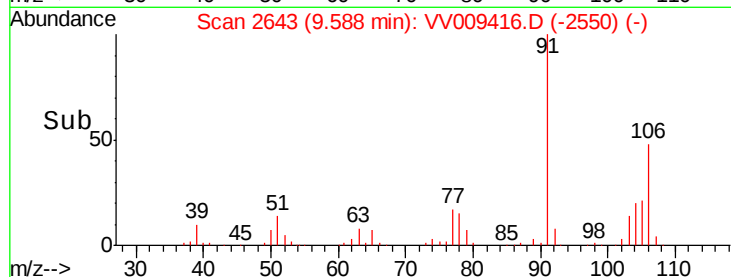
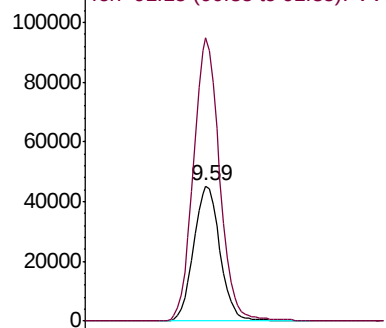
#54
o-xylene
Concen: 5.484 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009416.D
Acq: 28 Feb 2019 11:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion:106 Resp: 75312
Ion Ratio Lower Upper
106 100
91 209.0 146.3 271.7

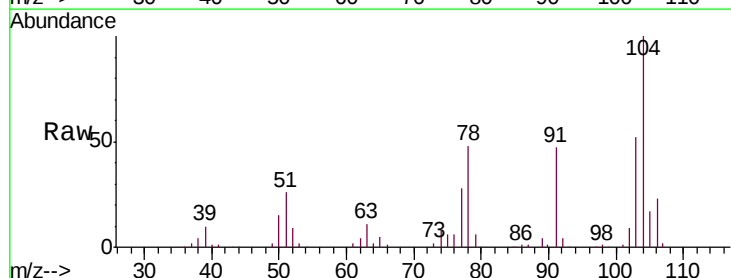


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

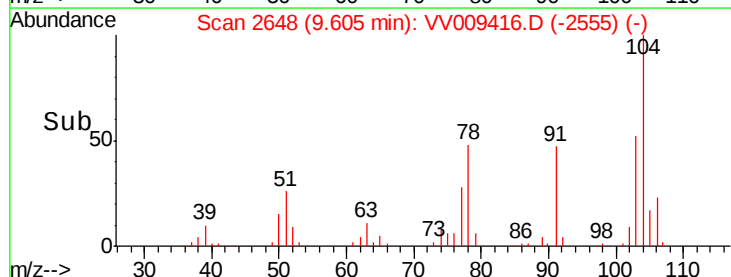
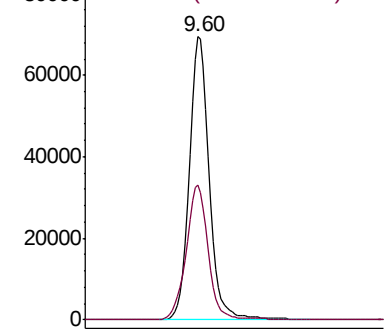


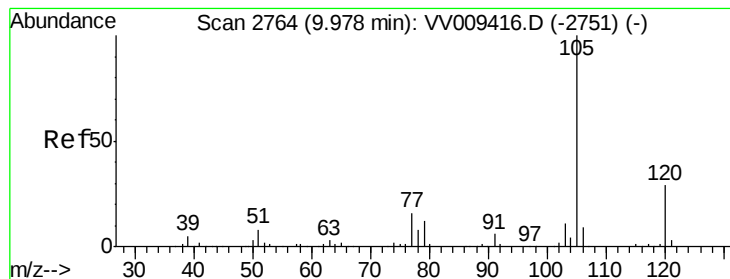
#55
Styrene
Concen: 5.349 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009416.D
Acq: 28 Feb 2019 11:27

Tgt Ion:104 Resp: 120154
Ion Ratio Lower Upper
104 100
78 47.7 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: 5.326 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

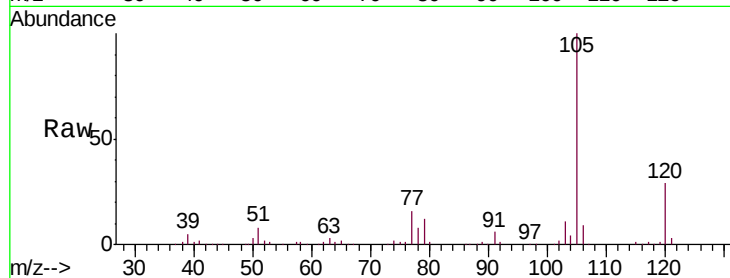
Tgt Ion: 105 Resp: 196652

Ion Ratio Lower Upper

105 100

120 27.6 22.1 33.1

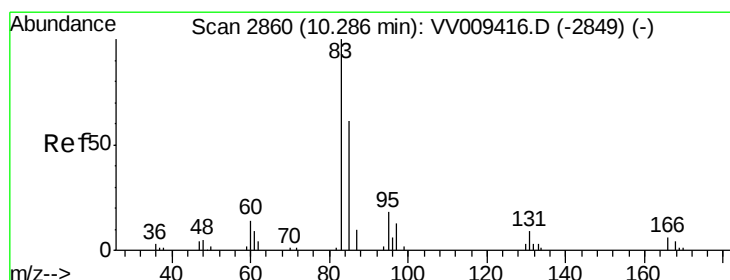
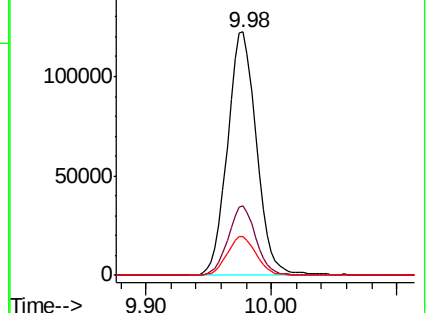
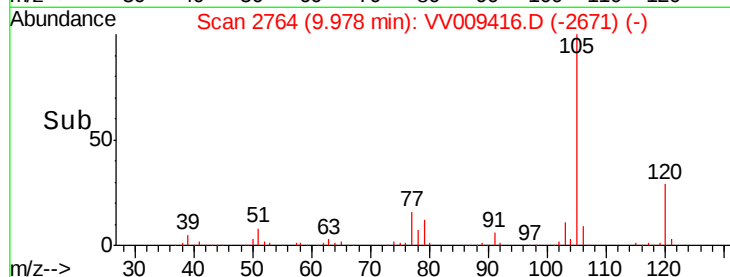
77 16.0 12.8 19.2



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: 5.665 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

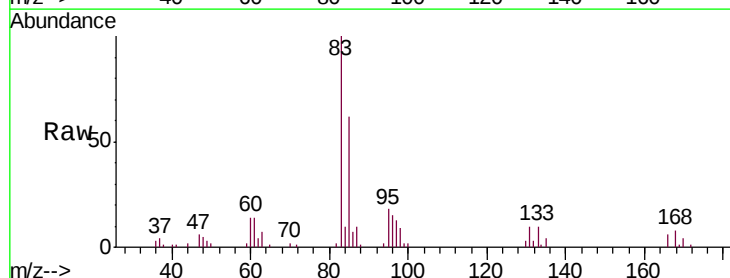
Tgt Ion: 83 Resp: 31534

Ion Ratio Lower Upper

83 100

85 62.0 43.4 80.6

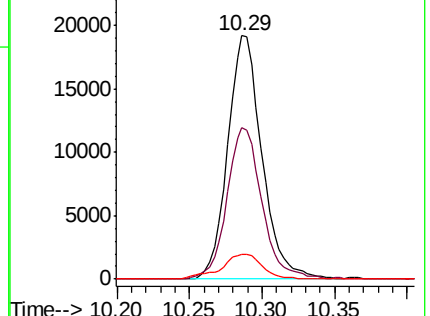
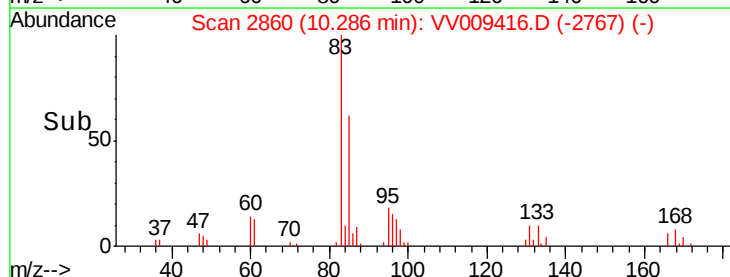
131 10.3 8.2 12.4

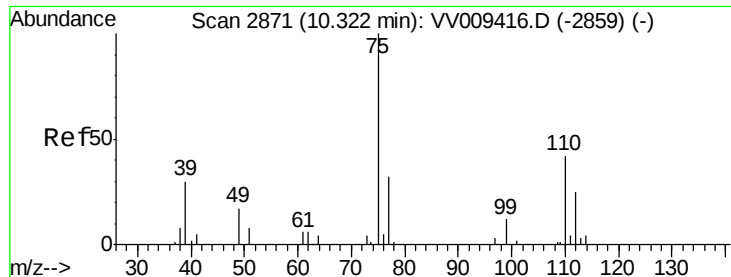


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

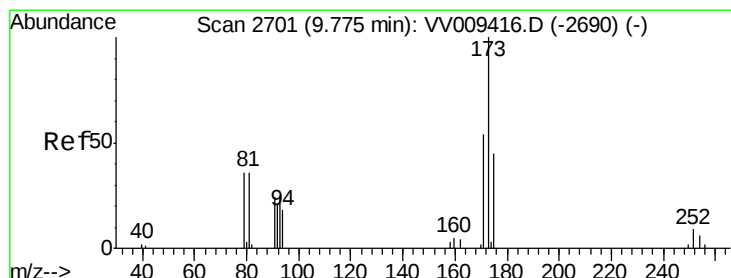
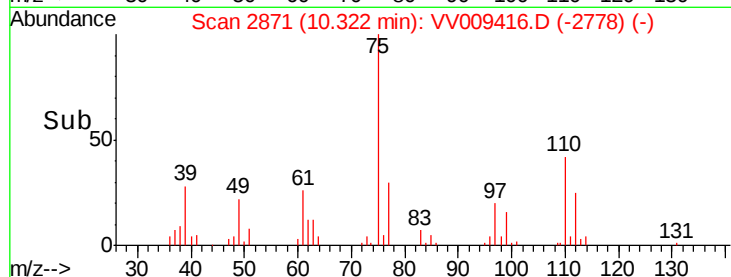
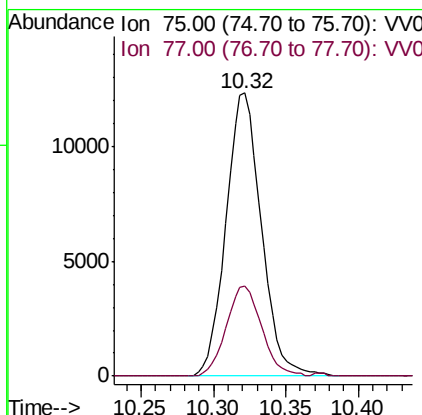
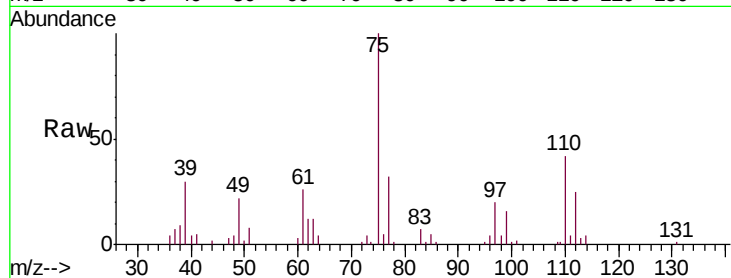




#59
 1,2,3-Trichloropropane
 Concen: 4.645 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

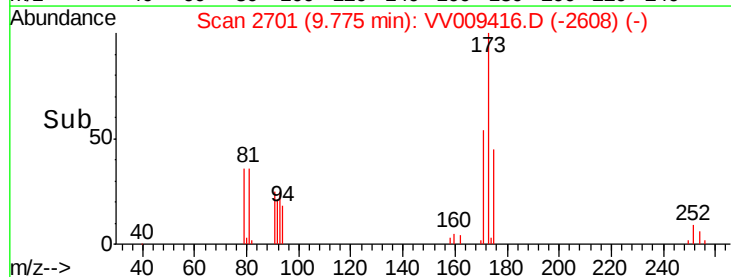
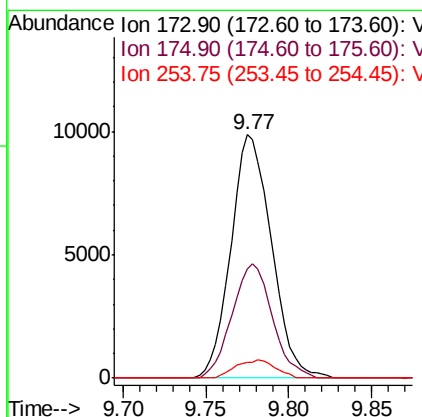
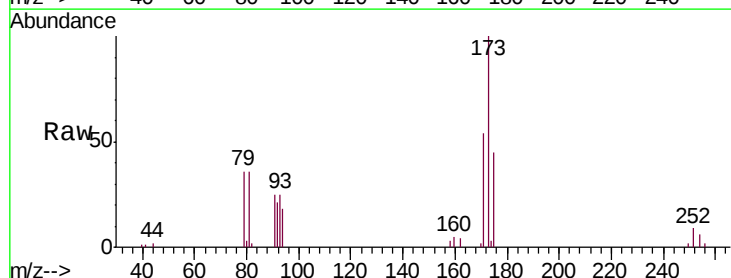
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

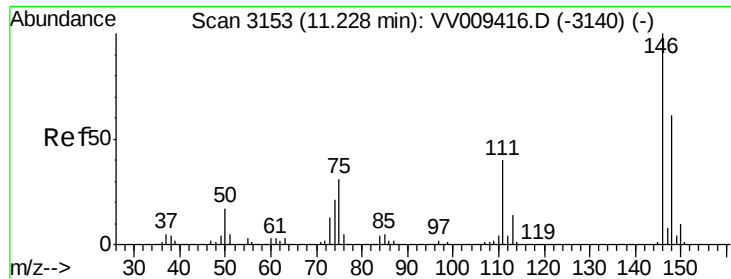
Tgt Ion: 75 Resp: 20885
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3



#61
 Bromoform
 Concen: 5.291 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

Tgt Ion: 173 Resp: 16803
 Ion Ratio Lower Upper
 173 100
 175 46.7 37.4 56.0
 254 7.2 5.8 8.6

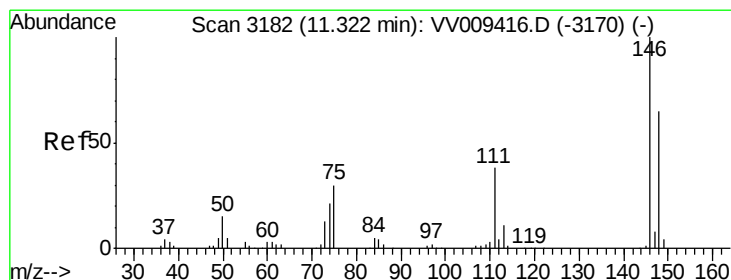
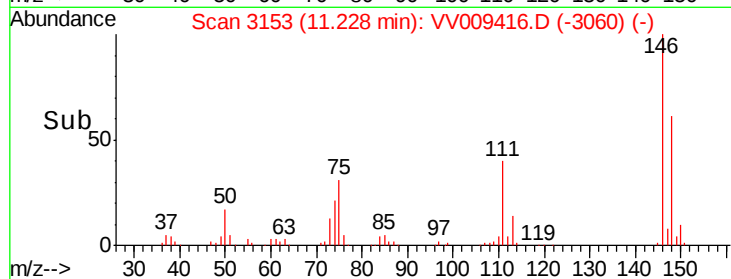
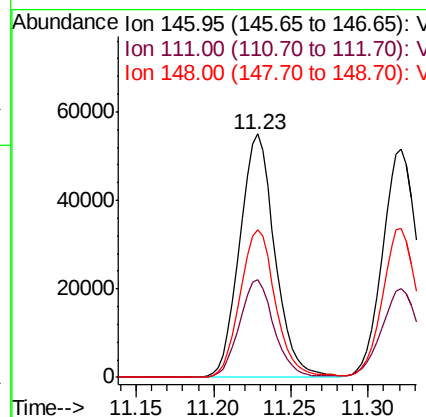
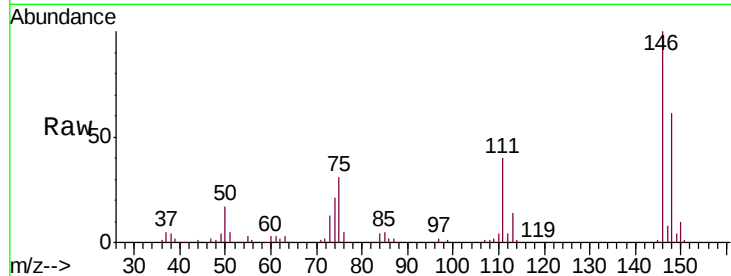




#62
 1,3-Dichlorobenzene
 Concen: 5.081 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

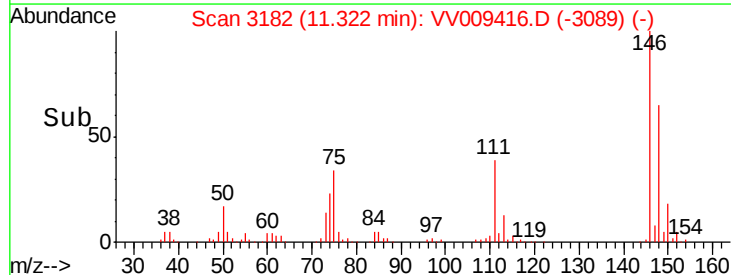
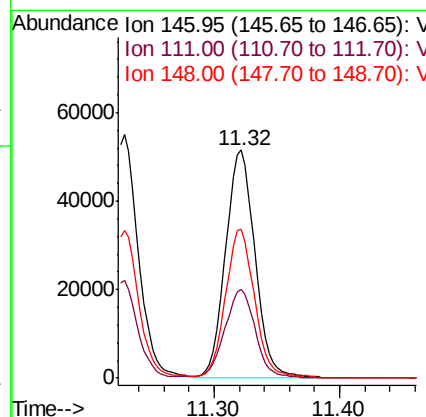
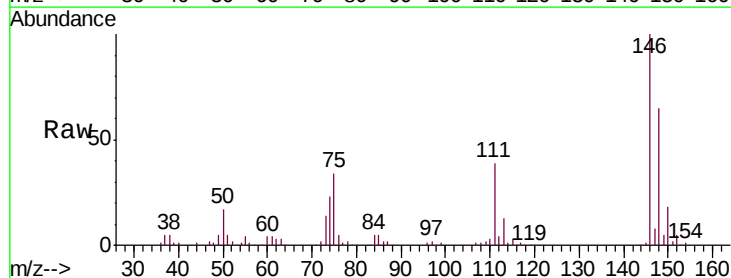
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

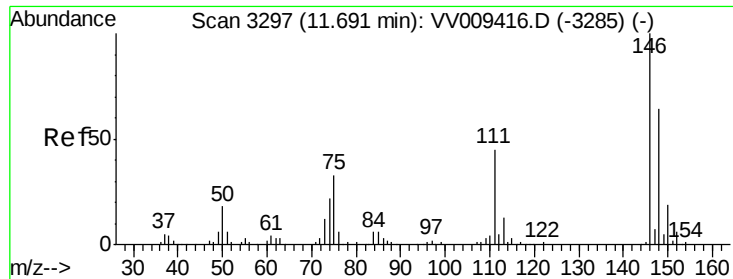
Tgt Ion:146 Resp: 86947
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.9 51.9
 148 60.9 42.6 79.2



#63
 1,4-Dichlorobenzene
 Concen: 4.879 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

Tgt Ion:146 Resp: 84391
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.2 50.4
 148 65.3 45.7 84.9

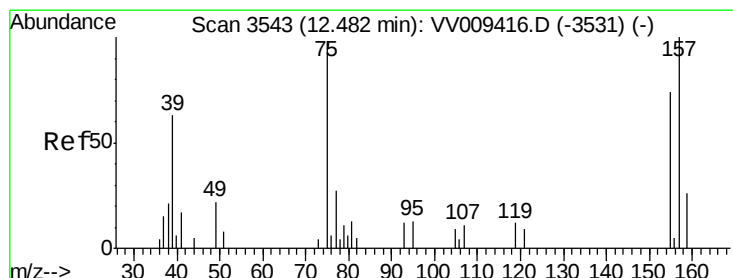
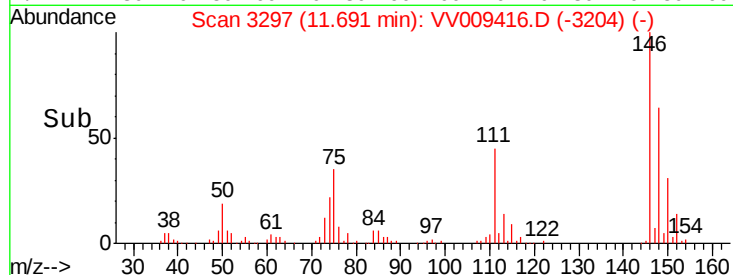
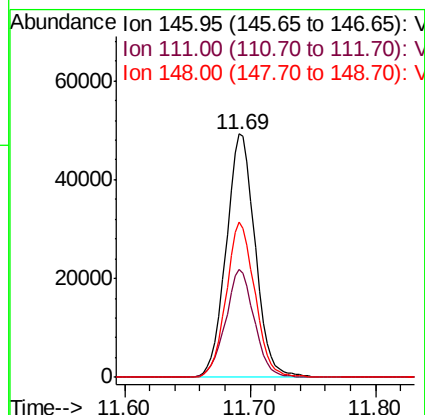
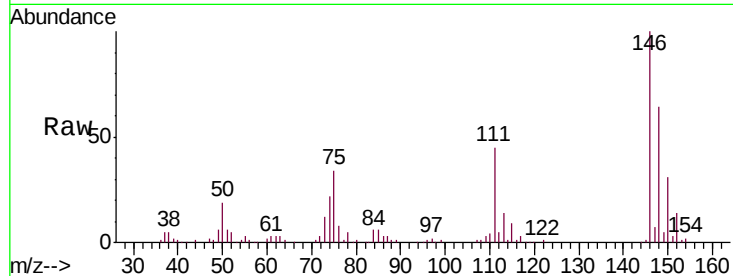




#65
 1,2-Dichlorobenzene
 Concen: 5.055 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

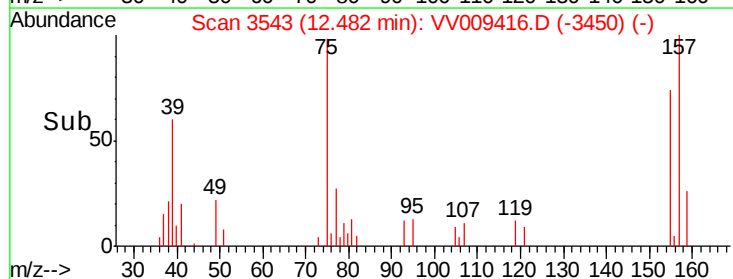
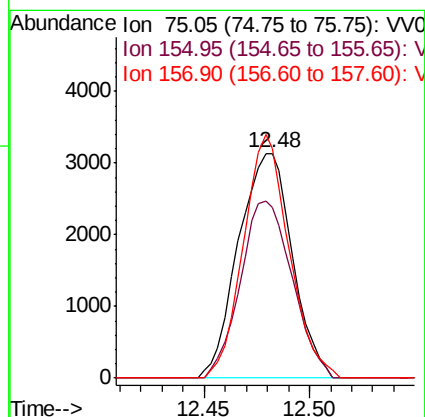
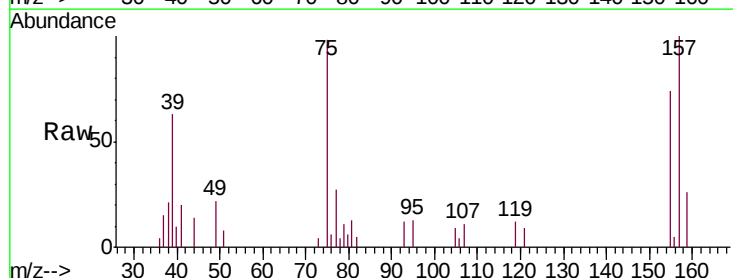
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

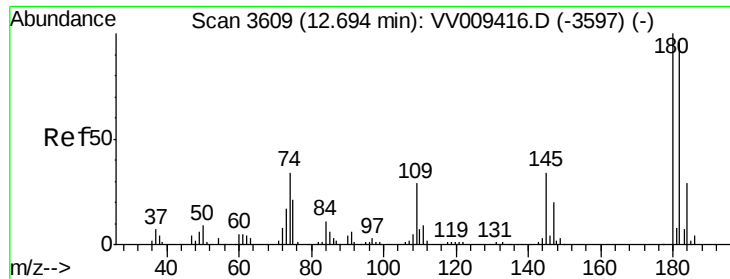
Tgt Ion: 146 Resp: 79309
 Ion Ratio Lower Upper
 146 100
 111 44.5 35.6 53.4
 148 63.6 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.567 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

Tgt Ion: 75 Resp: 5550
 Ion Ratio Lower Upper
 75 100
 155 76.0 60.8 91.2
 157 102.1 81.7 122.5

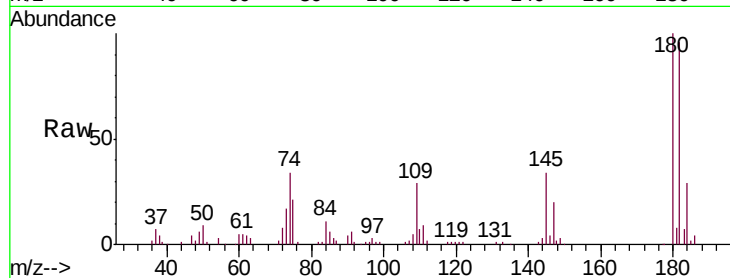




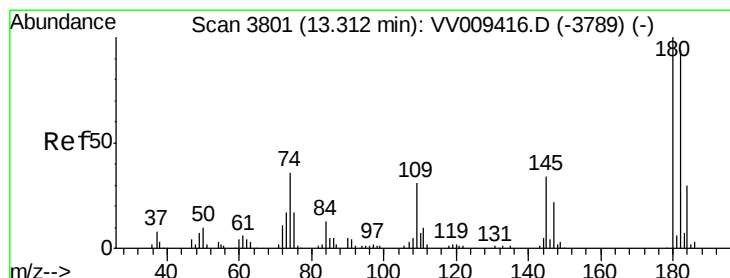
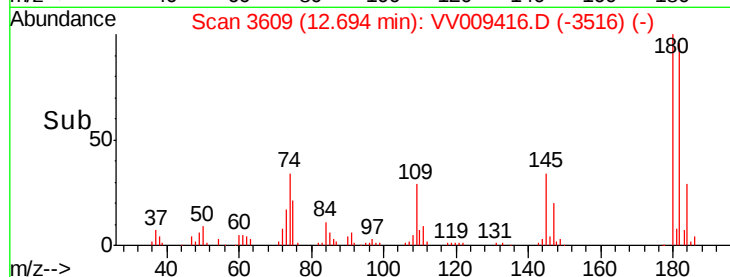
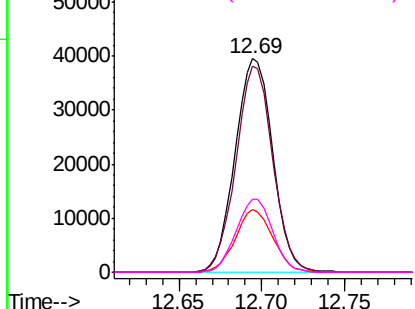
#67
 1,3,5-Trichlorobenzene
 Concen: 4.966 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion:180 Resp: 62408
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.5 113.3
 184 29.2 23.4 35.0
 145 33.3 26.6 40.0

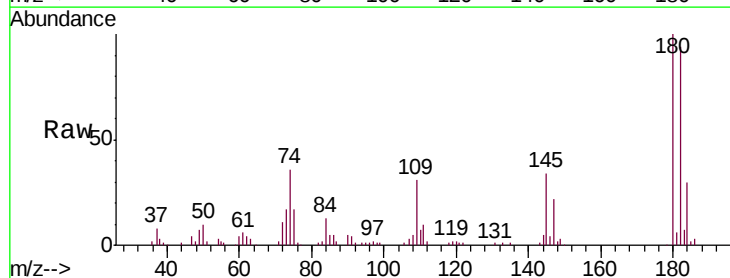


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

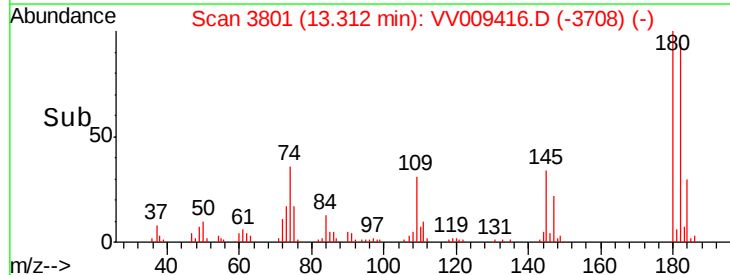
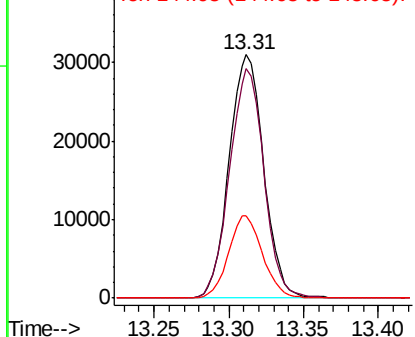


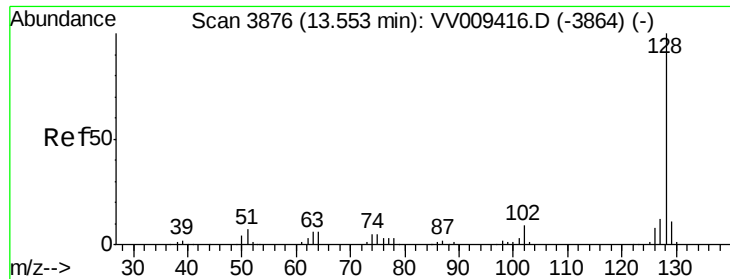
#68
 1,2,4-trichlorobenzene
 Concen: 5.297 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009416.D
 Acq: 28 Feb 2019 11:27

Tgt Ion:180 Resp: 49850
 Ion Ratio Lower Upper
 180 100
 182 93.4 74.7 112.1
 145 33.2 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: 5.747 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

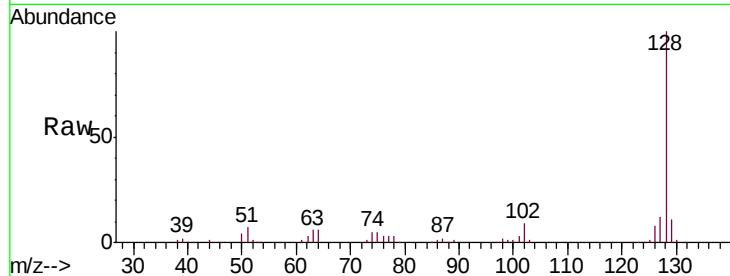
Tgt Ion:128 Resp: 80403

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

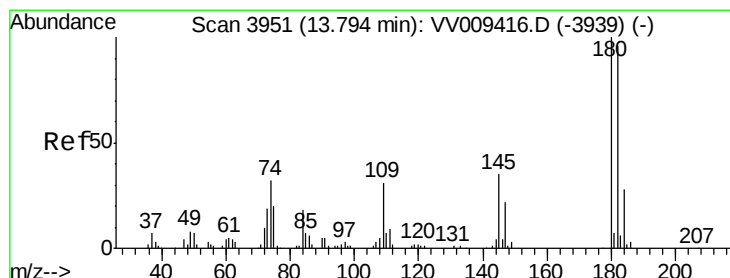
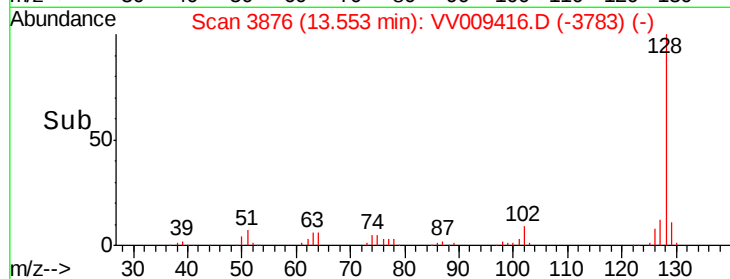
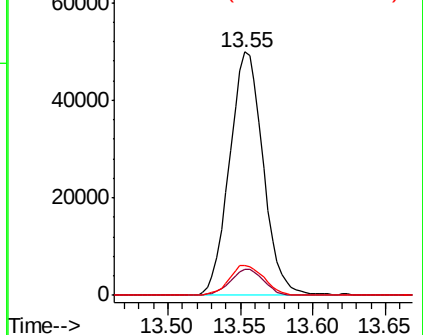
127 12.6 10.1 15.1



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: 5.108 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009416.D

Acq: 28 Feb 2019 11:27

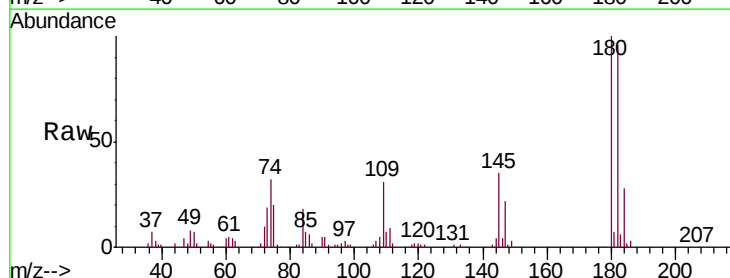
Tgt Ion:180 Resp: 44623

Ion Ratio Lower Upper

180 100

182 94.6 75.7 113.5

145 34.5 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

