

Data File : VV009390.D
Acq On : 27 Feb 2019 10:46
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

Quant Time: Feb 28 04:25:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 27 04:43:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	217995	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	204961	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	101523	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61526	22.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.72%
7) Chloroethane-d5	1.58	69	86073	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.56%
10) 1,1-Dichloroethene-d2	2.13	63	159804	22.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.12%
20) 2-Butanone-d5	3.94	46	35169	42.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.12%
24) Chloroform-d	4.40	84	131601	24.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.56%
26) 1,2-Dichloroethane-d4	5.08	65	70351	24.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.20%
29) Benzene-d6	5.10	84	260857	23.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.76%
33) 1,2-Dichloropropane-d6	6.12	67	78232	24.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.00%
37) Toluene-d8	7.36	98	262328	25.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.40%
38) trans-1,3-Dichloropropene-	7.66	79	37523	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.04%
39) 2-Hexanone-d5	8.14	63	26892	39.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.58%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	71677	22.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	93374	24.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.32%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	68452	24.806	ug/L	100
3) Chloromethane	1.25	50	67457	23.031	ug/L	98
5) Vinyl chloride	1.32	62	77254	23.740	ug/L	99
6) Bromomethane	1.53	94	79250	22.644	ug/L	98
8) Chloroethane	1.60	64	72836	26.249	ug/L	95
9) Trichlorofluoromethane	1.77	101	147765	22.519	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	80652	22.152	ug/L	97
12) 1,1-Dichloroethene	2.14	96	70238	22.436	ug/L	83
13) Acetone	2.21	43	38702	40.969	ug/L	97
14) Carbon disulfide	2.32	76	195238	24.003	ug/L	99
15) Methyl Acetate	2.47	43	26860	21.518	ug/L	96
16) Methylene chloride	2.53	84	62646	21.217	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	153347	22.511	ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	66922	24.595	ug/L	98
19) 1,1-Dichloroethane	3.23	63	118079	24.428	ug/L	99
21) 2-Butanone	4.03	43	47658	40.484	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	77535	25.346	ug/L	97

Data File : VV009390.D
Acq On : 27 Feb 2019 10:46
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

Quant Time: Feb 28 04:25:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 27 04:43:55 2019
Response via : Initial Calibration

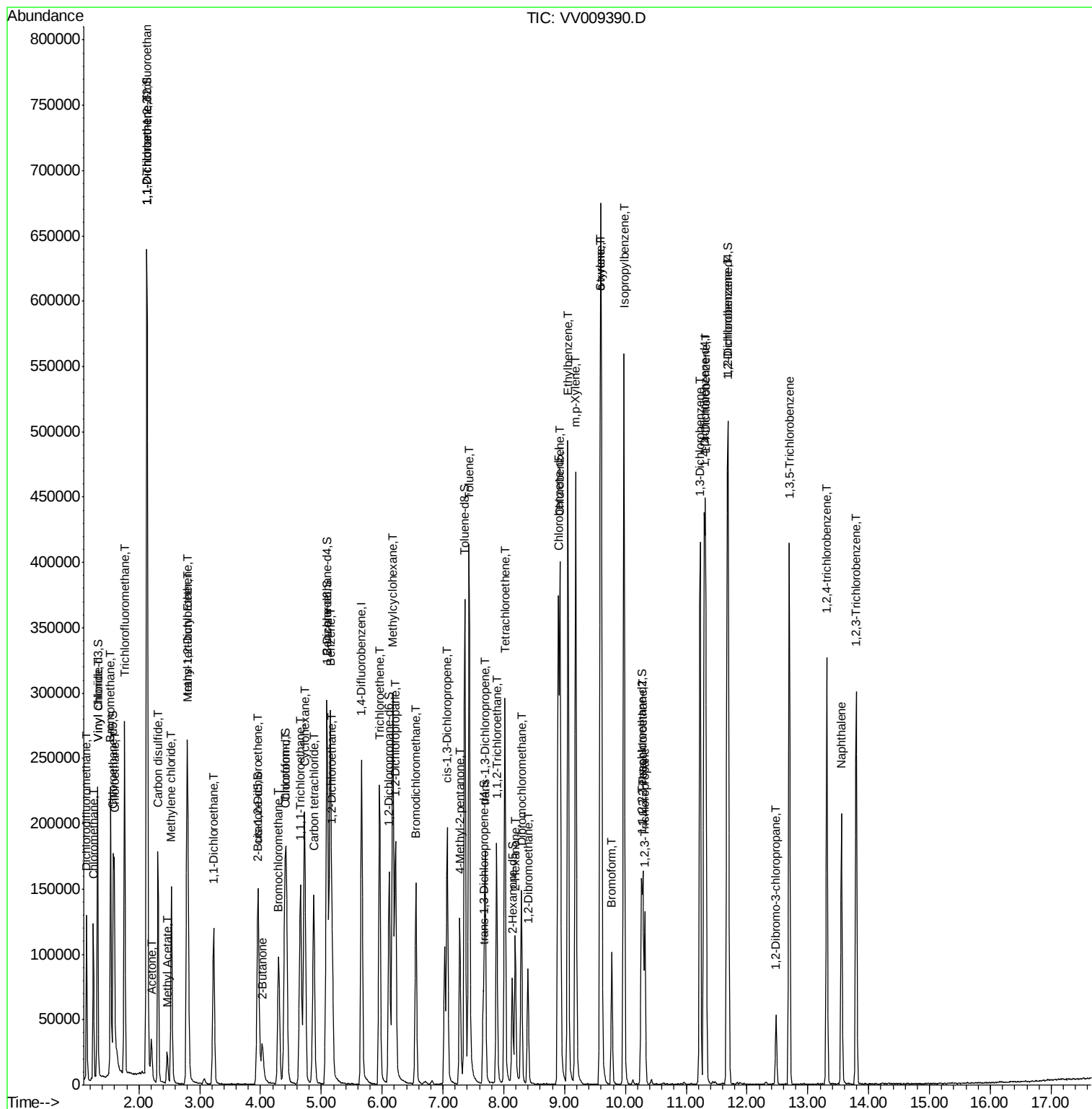
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	33877	24.676	ug/L	87
25) Chloroform	4.42	83	131076	24.918	ug/L	100
27) 1,2-Dichloroethane	5.18	62	85752	23.566	ug/L	98
30) Cyclohexane	4.72	56	114834	23.652	ug/L	95
31) 1,1,1-Trichloroethane	4.66	97	123553	25.382	ug/L	97
32) Carbon tetrachloride	4.87	117	105963	25.524	ug/L	100
34) Benzene	5.15	78	276798	24.222	ug/L	100
35) Trichloroethene	5.96	95	80174	25.345	ug/L	98
36) Methylcyclohexane	6.17	83	132063	23.911	ug/L	97
40) 1,2-Dichloropropane	6.22	63	68005	23.954	ug/L	98
41) Bromodichloromethane	6.55	83	98054	24.287	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	115456	25.595	ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	86452	42.594	ug/L	97
44) Toluene	7.43	91	315134	24.656	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	98563	24.101	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	55885	23.831	ug/L	96
47) Tetrachloroethene	8.02	164	62889	26.841	ug/L	95
49) 2-Hexanone	8.19	43	71444	42.156	ug/L	97
50) Dibromochloromethane	8.29	129	74208	25.299	ug/L	100
51) 1,2-Dibromoethane	8.40	107	56512	23.938	ug/L	100
52) Chlorobenzene	8.93	112	207110	25.017	ug/L	99
53) Ethylbenzene	9.05	91	361855	24.754	ug/L	99
54) m,p-Xylene	9.18	106	146239	25.681	ug/L	98
55) o-xylene	9.59	106	136409	25.266	ug/L	93
56) Styrene	9.60	104	225001	24.846	ug/L	96
57) Isopropylbenzene	9.97	105	372589	25.260	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	72005	22.581	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	50521	22.244	ug/L	99
62) Bromoform	9.77	173	42917	23.548	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	163874	25.146	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	161805	24.875	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	152367	24.884	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	12958	21.434	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	114477	24.878	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	88356	24.734	ug/L	99
69) Naphthalene	13.55	128	161469	22.324	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	80798	24.400	ug/L	100

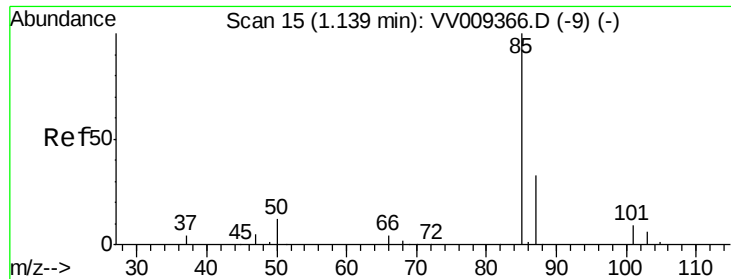
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV009390.D
Acq On : 27 Feb 2019 10:46
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

Quant Time: Feb 28 04:25:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 27 04:43:55 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 24.806 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

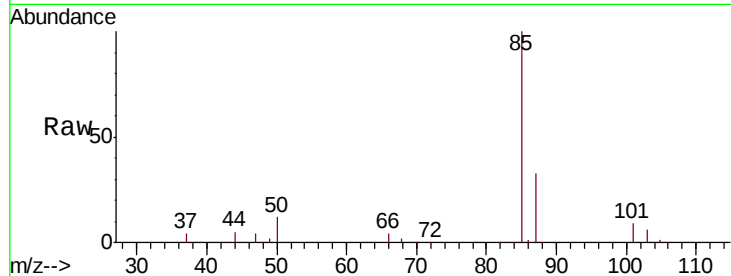
Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

Tgt Ion: 85 Resp: 68452

Ion Ratio Lower Upper

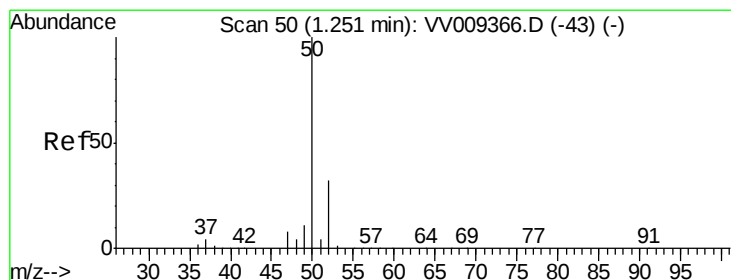
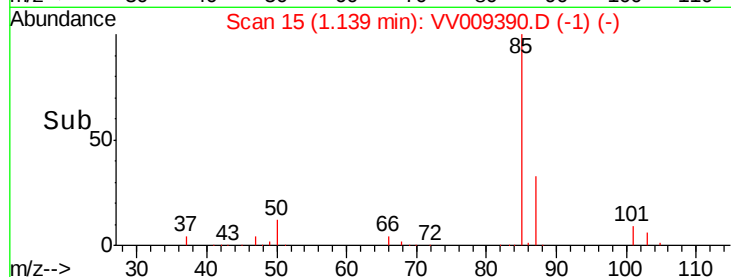
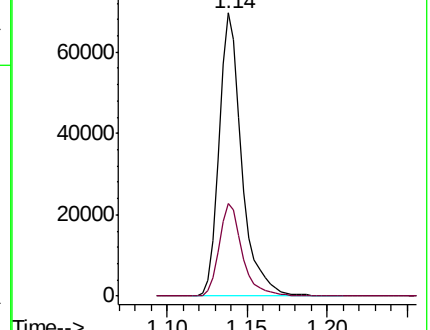
85 100

87 33.1 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VV009366.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009390.D (-1) (-)



#3

Chloromethane

Concen: 23.031 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009390.D

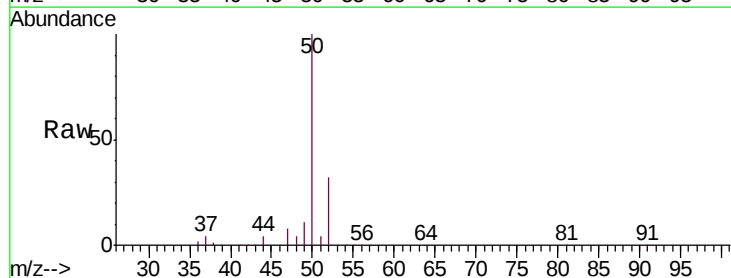
Acq: 27 Feb 2019 10:46

Tgt Ion: 50 Resp: 67457

Ion Ratio Lower Upper

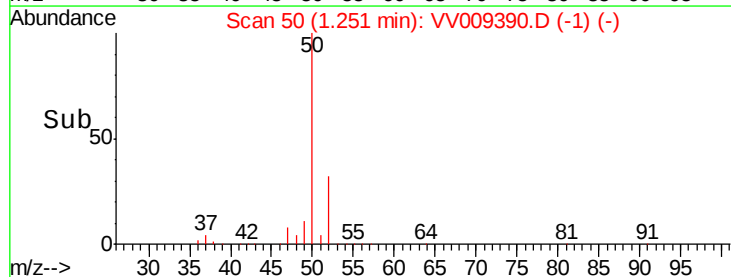
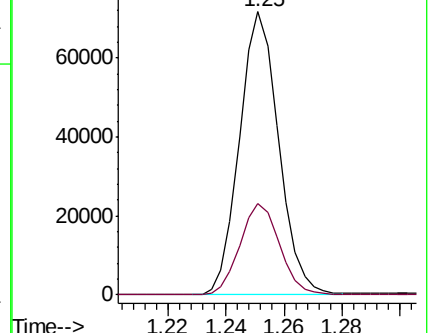
50 100

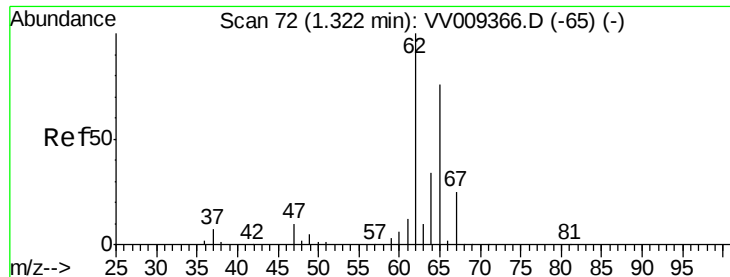
52 32.1 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV009366.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009390.D (-1) (-)





#5

Vinyl chloride

Concen: 23.740 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

Instrument :

MSVOA_V

ClientSampleId :

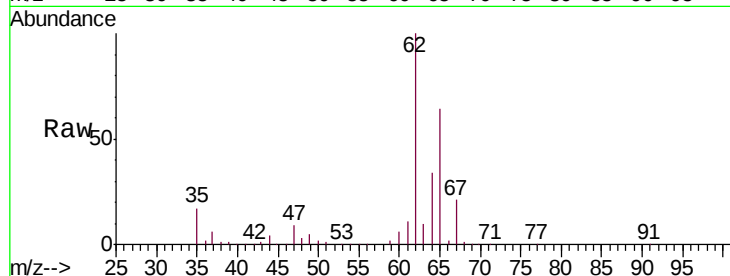
VSTD02589

Tgt Ion: 62 Resp: 77254

Ion Ratio Lower Upper

62 100

64 34.2 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV009366.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009366.D (-65) (-)

Time-->

1.32

80000

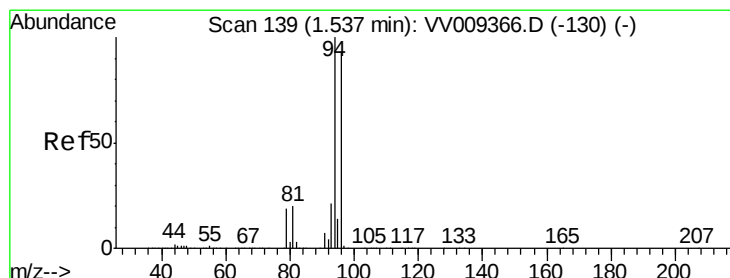
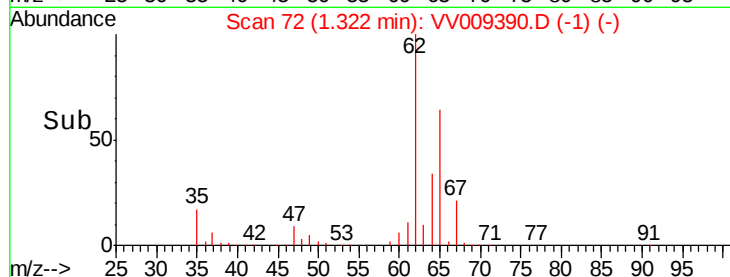
60000

40000

20000

0

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 22.644 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV009390.D

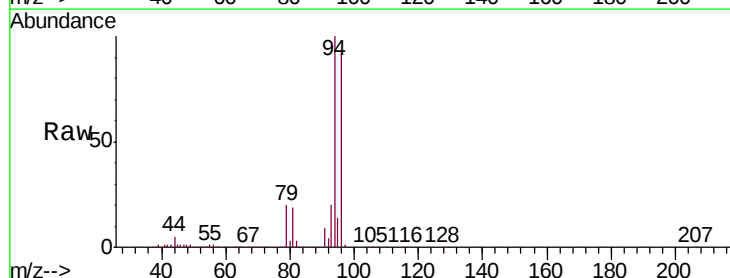
Acq: 27 Feb 2019 10:46

Tgt Ion: 94 Resp: 79250

Ion Ratio Lower Upper

94 100

96 93.3 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV009366.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009366.D (-130) (-)

Time-->

1.53

80000

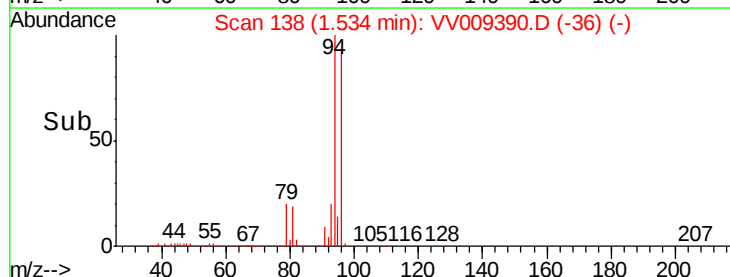
60000

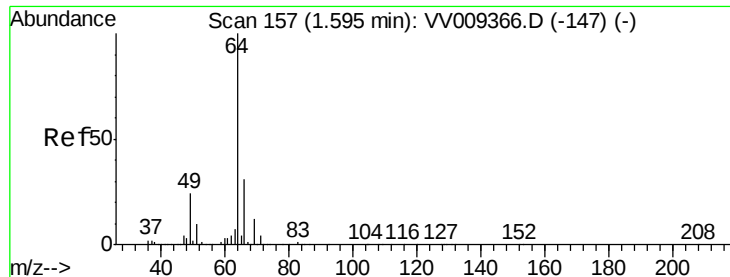
40000

20000

0

1.50 1.55 1.60





#8

Chloroethane

Concen: 26.249 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

Instrument :

MSVOA_V

ClientSampleId :

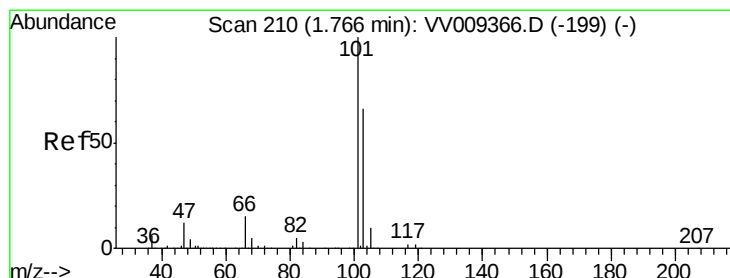
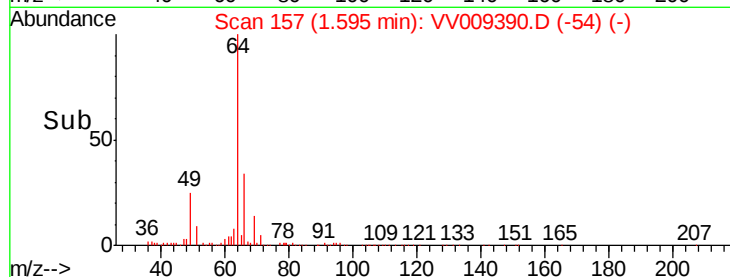
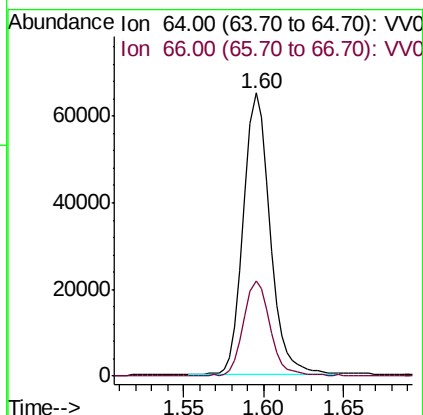
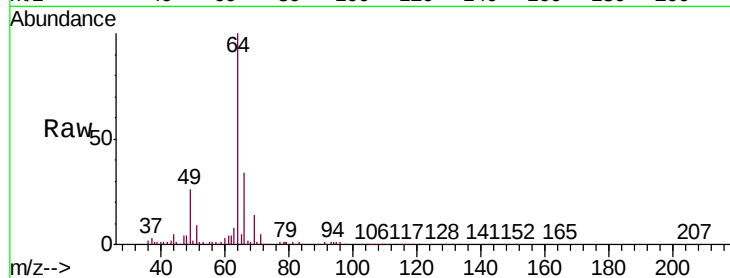
VSTD02589

Tgt Ion: 64 Resp: 72836

Ion Ratio Lower Upper

64 100

66 33.8 21.8 40.6



#9

Trichlorofluoromethane

Concen: 22.519 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV009390.D

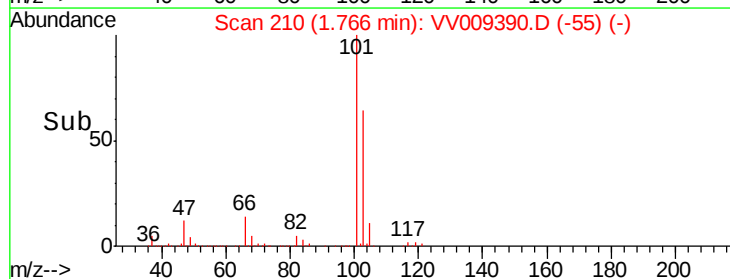
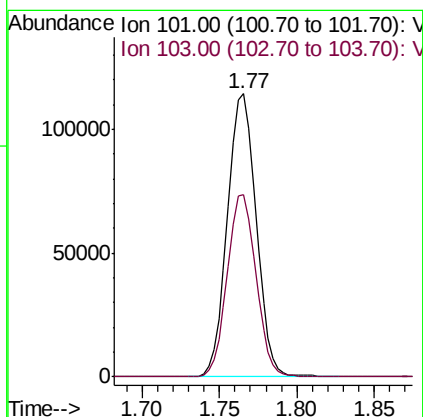
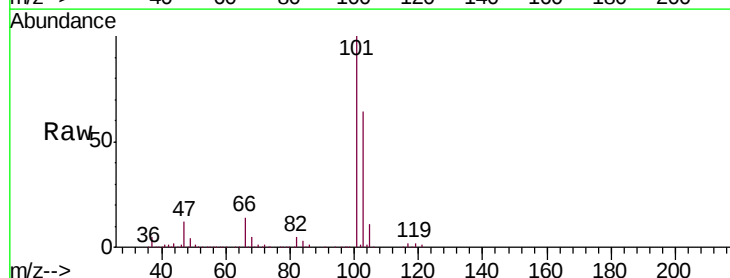
Acq: 27 Feb 2019 10:46

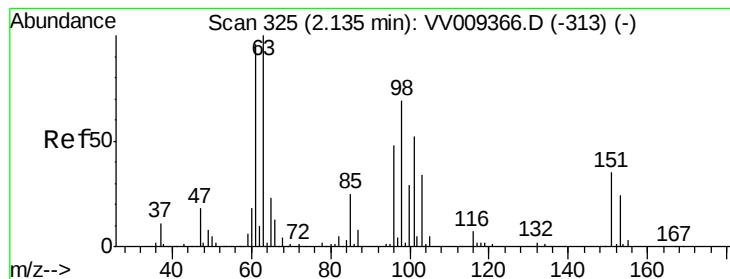
Tgt Ion: 101 Resp: 147765

Ion Ratio Lower Upper

101 100

103 64.3 44.7 83.1





#11

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

Concen: 22.152 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02589

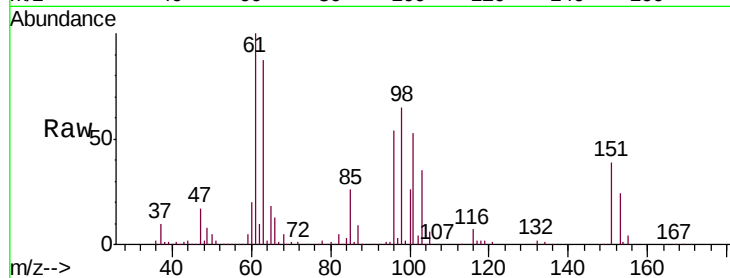
Tgt Ion: 101 Resp: 80652

Ion Ratio Lower Upper

101 100

85 48.6 40.1 60.1

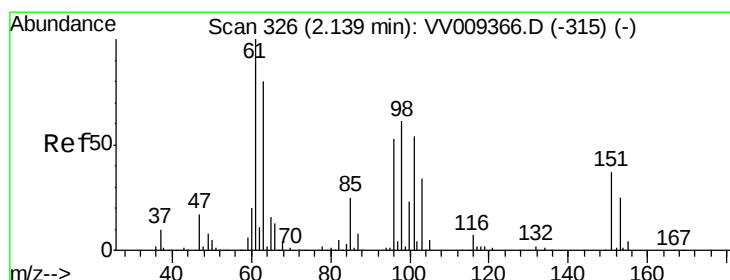
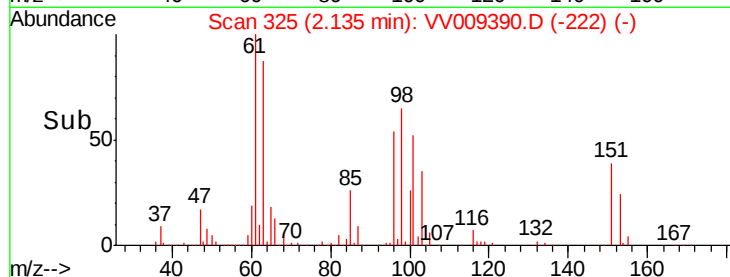
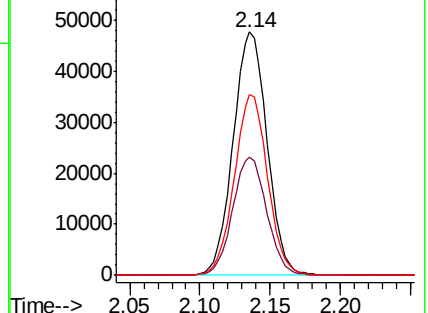
151 72.5 55.9 83.9



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: 22.436 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

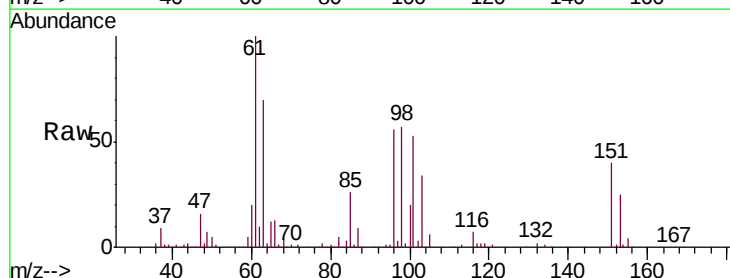
Tgt Ion: 96 Resp: 70238

Ion Ratio Lower Upper

96 100

61 177.9 136.9 254.3

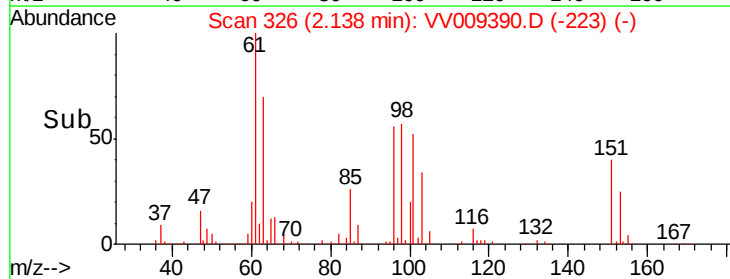
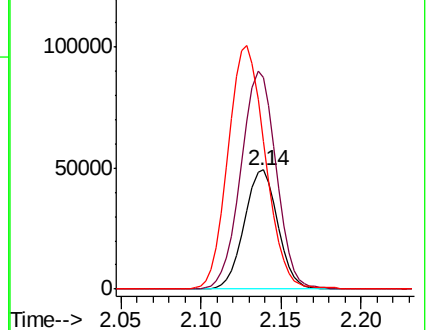
63 124.3 108.7 201.9

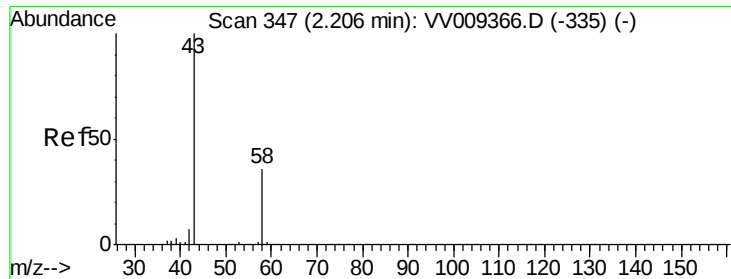


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 40.969 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

Instrument :

MSVOA_V

ClientSampleId :

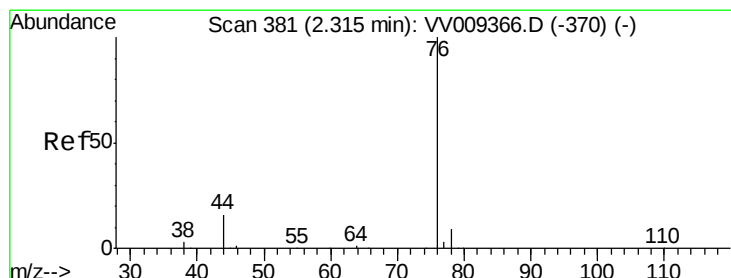
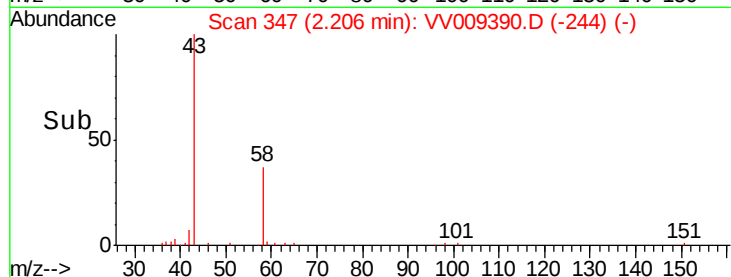
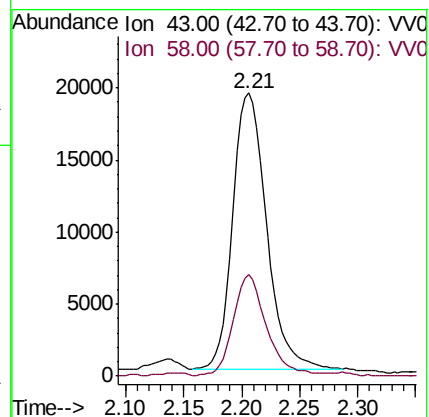
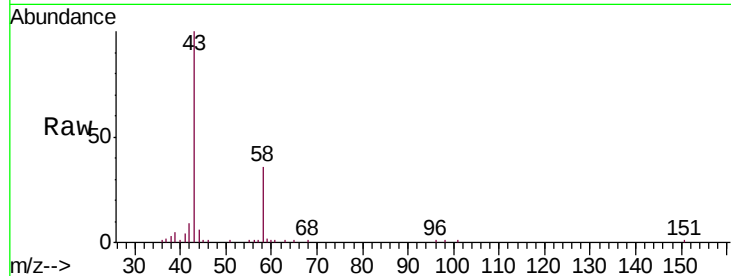
VSTD02589

Tgt Ion: 43 Resp: 38702

Ion Ratio Lower Upper

43 100

58 36.2 0.0 68.8



#14

Carbon disulfide

Concen: 24.003 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009390.D

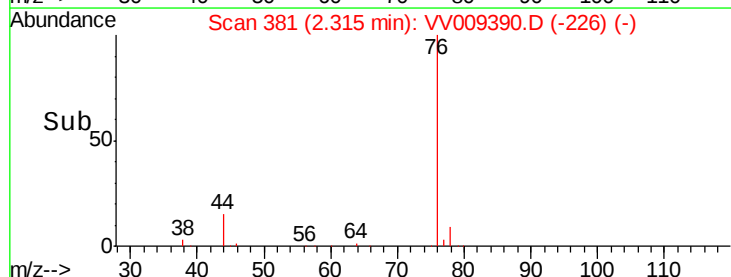
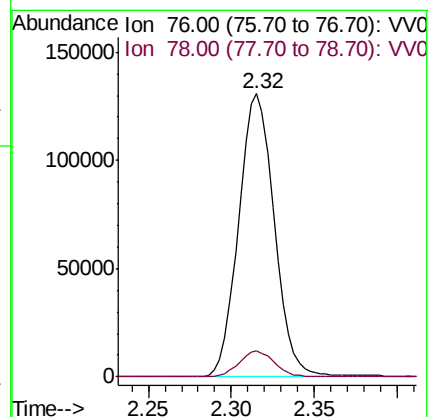
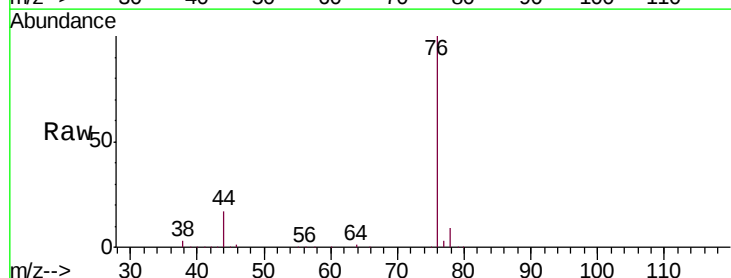
Acq: 27 Feb 2019 10:46

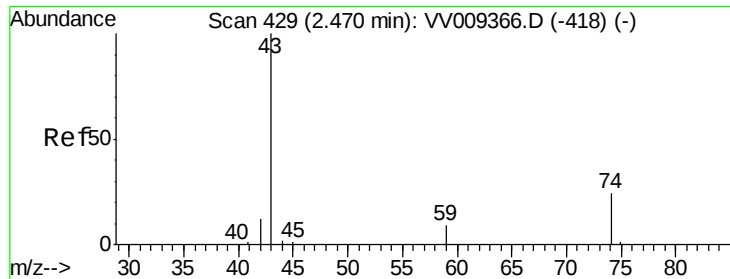
Tgt Ion: 76 Resp: 195238

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3





#15

Methyl Acetate

Concen: 21.518 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

Instrument :

MSVOA_V

ClientSampleId :

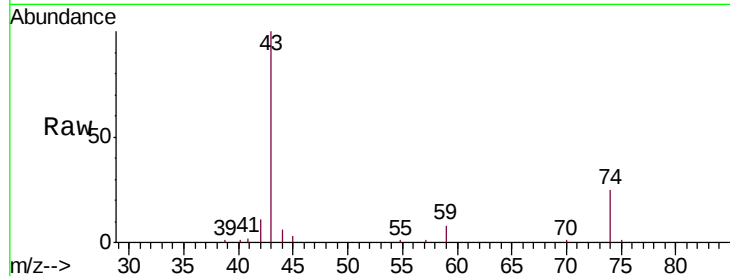
VSTD02589

Tgt Ion: 43 Resp: 26860

Ion Ratio Lower Upper

43 100

74 25.2 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VV009366.D (-418) (-)

Ion 74.00 (73.70 to 74.70): VV009366.D (-418) (-)

15000

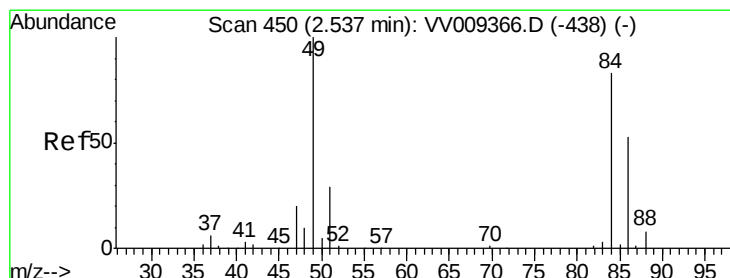
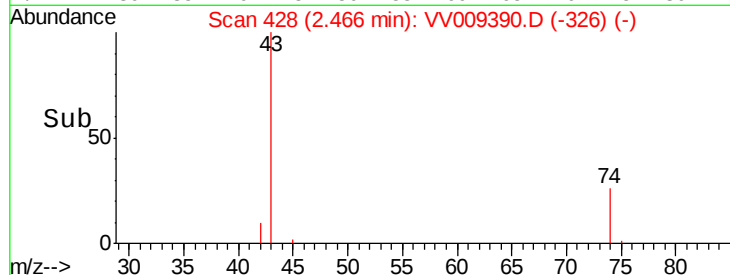
10000

5000

0

2.40 2.45 2.50

Time-->



#16

Methylene chloride

Concen: 21.217 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

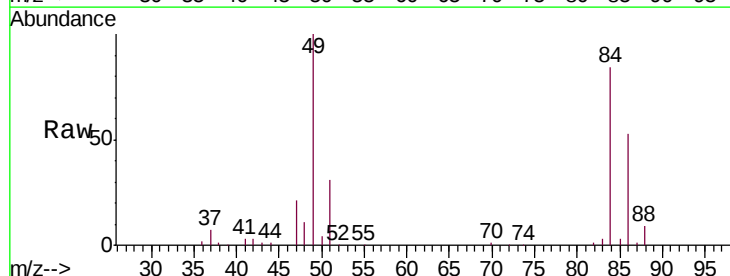
Tgt Ion: 84 Resp: 62646

Ion Ratio Lower Upper

84 100

49 119.5 84.6 157.0

86 63.2 46.1 85.7



Abundance Ion 84.00 (83.70 to 84.70): VV009366.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV009366.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV009366.D (-438) (-)

60000

50000

40000

30000

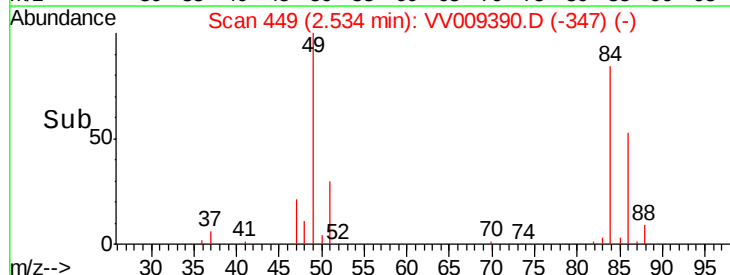
20000

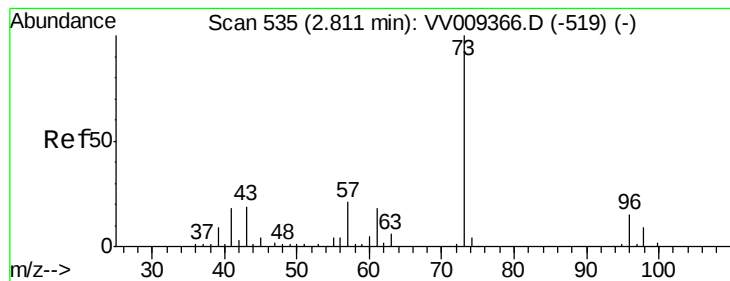
10000

0

2.45 2.50 2.55 2.60

Time-->



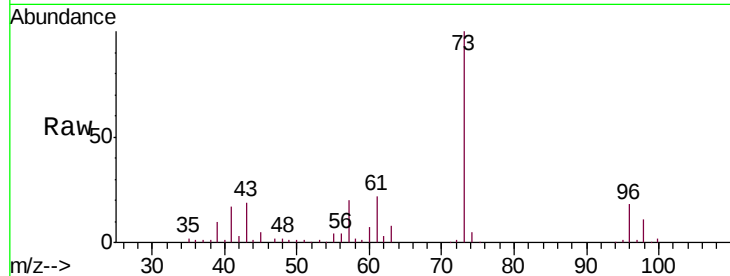


#17

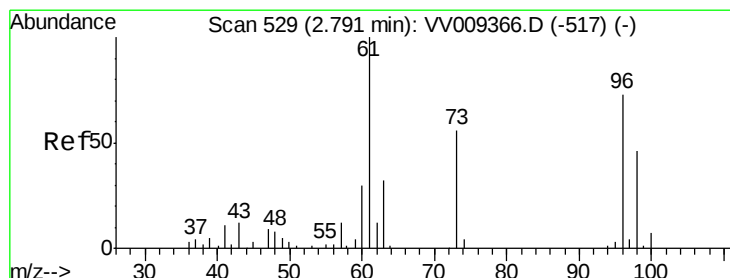
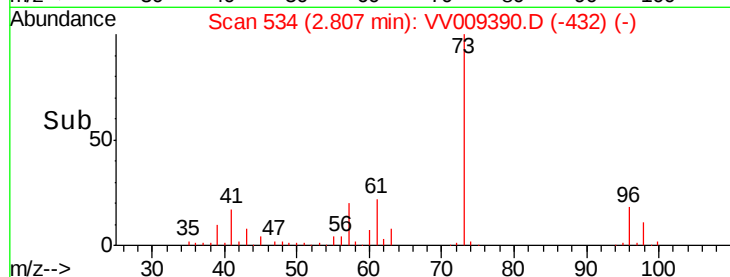
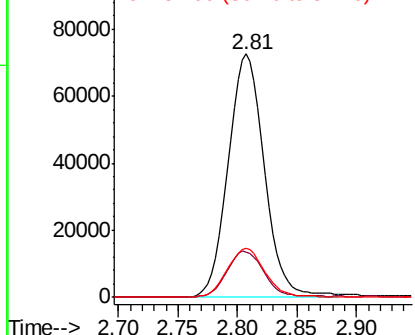
Methyl tert-butyl Ether
 Concen: 22.511 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VV009390.D
 Acq: 27 Feb 2019 10:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

Tgt Ion: 73 Resp: 153347
 Ion Ratio Lower Upper
 73 100
 43 18.9 15.0 22.4
 57 20.9 17.0 25.4



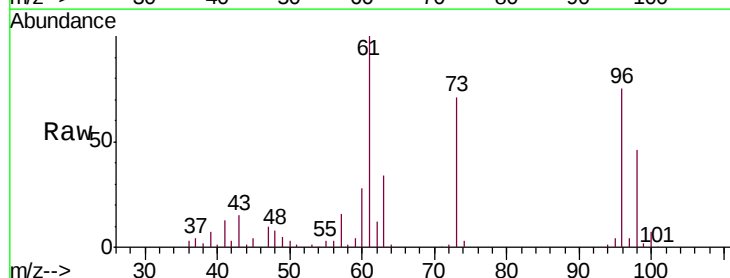
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



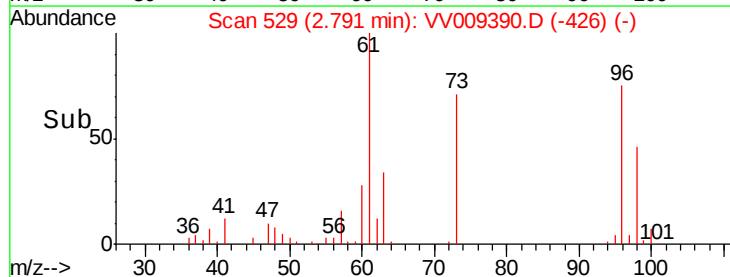
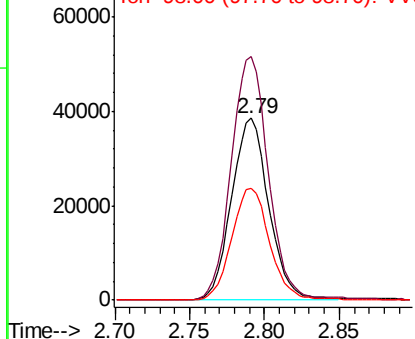
#18

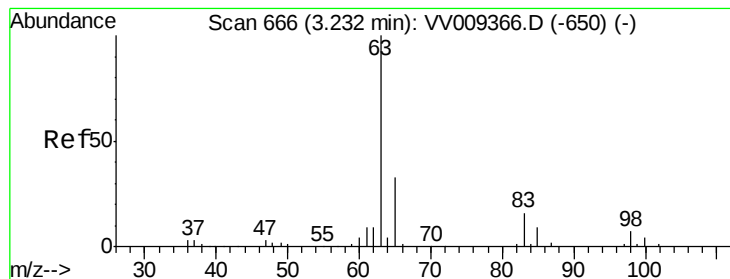
trans-1,2-Dichloroethene
 Concen: 24.595 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV009390.D
 Acq: 27 Feb 2019 10:46

Tgt Ion: 96 Resp: 66922
 Ion Ratio Lower Upper
 96 100
 61 133.8 95.6 177.6
 98 61.8 44.0 81.6



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





#19

1,1-Dichloroethane

Concen: 24.428 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02589

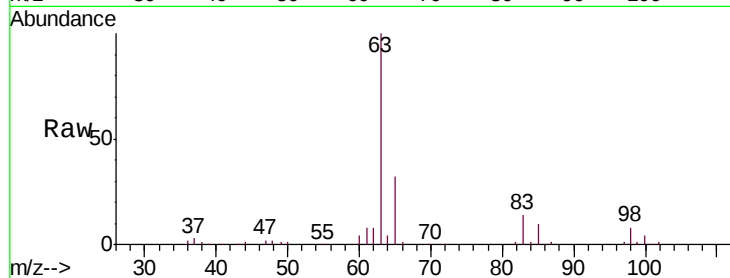
Tgt Ion: 63 Resp: 118079

Ion Ratio Lower Upper

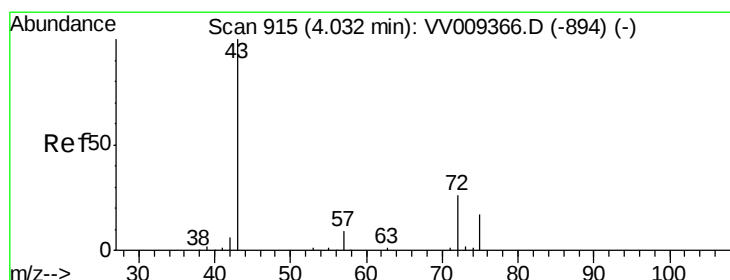
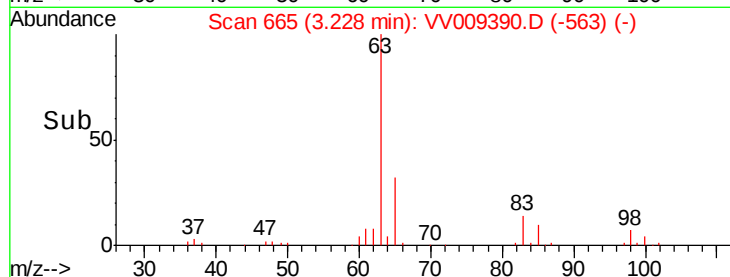
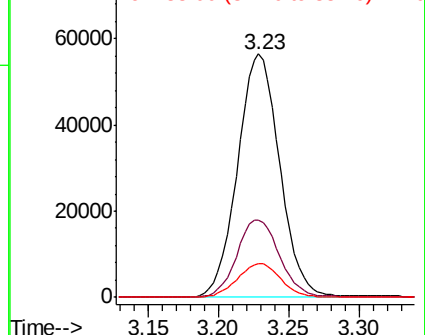
63 100

65 31.6 22.1 41.1

83 13.9 10.2 19.0



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#21

2-Butanone

Concen: 40.484 ug/L

RT: 4.03 min Scan# 914

Delta R.T. -0.00 min

Lab File: VV009390.D

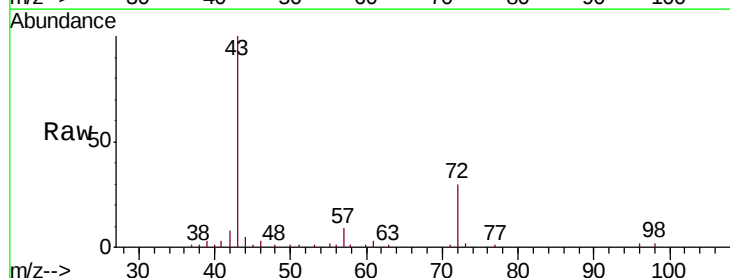
Acq: 27 Feb 2019 10:46

Tgt Ion: 43 Resp: 47658

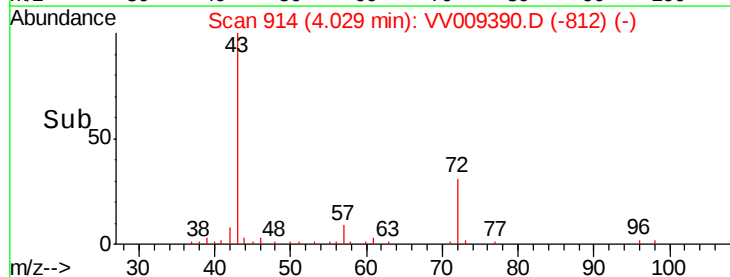
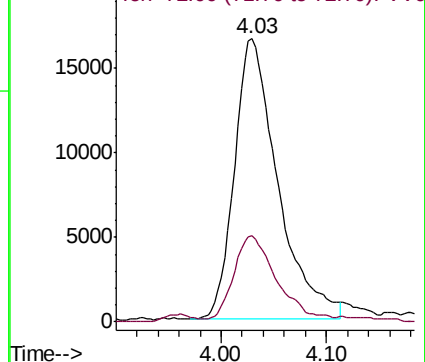
Ion Ratio Lower Upper

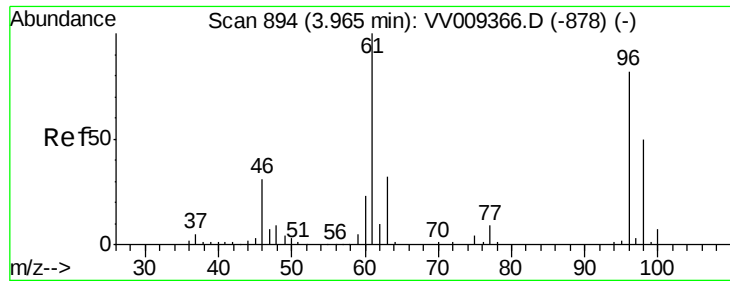
43 100

72 28.3 13.7 41.0



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0



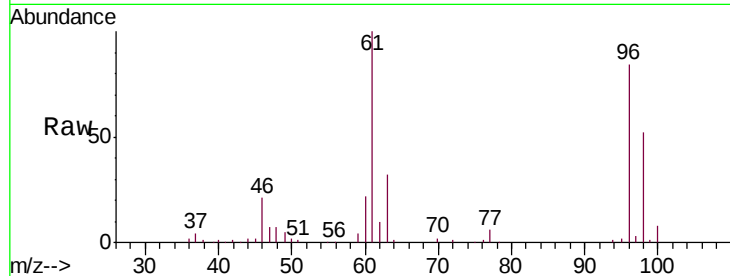


#22

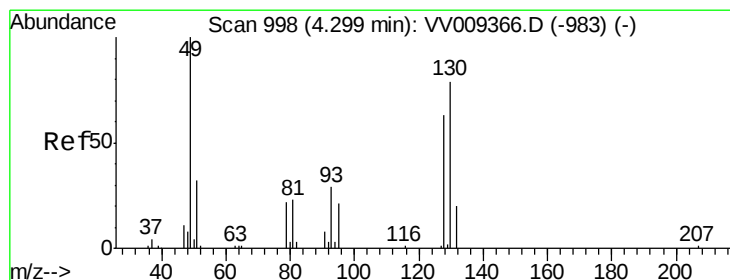
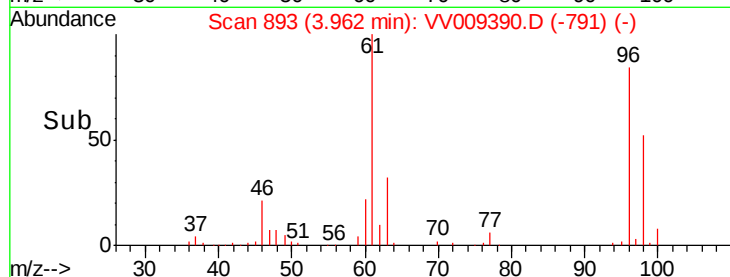
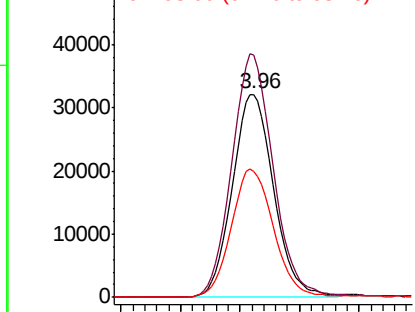
cis-1,2-Dichloroethene
 Concen: 25.346 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV009390.D
 Acq: 27 Feb 2019 10:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

Tgt Ion: 96 Resp: 77535
 Ion Ratio Lower Upper
 96 100
 61 119.8 87.2 161.9
 98 62.3 44.6 82.8



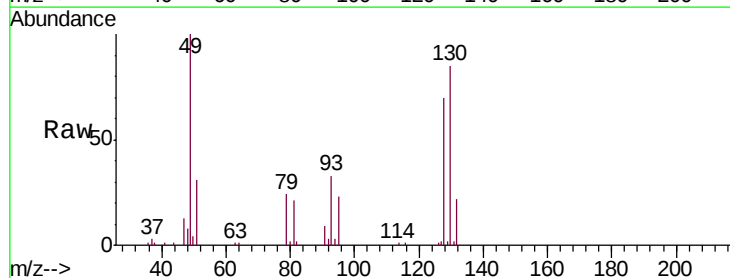
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



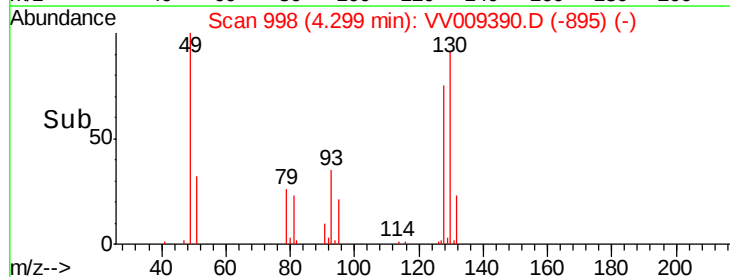
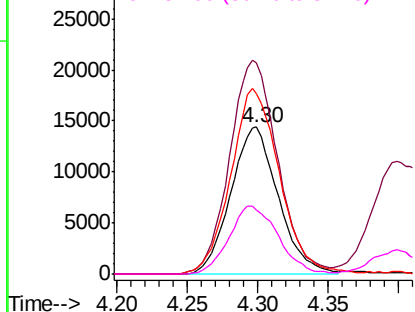
#23

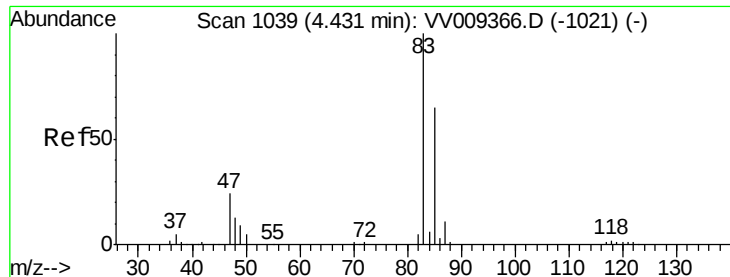
Bromochloromethane
 Concen: 24.676 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV009390.D
 Acq: 27 Feb 2019 10:46

Tgt Ion: 128 Resp: 33877
 Ion Ratio Lower Upper
 128 100
 49 143.8 115.5 214.5
 130 122.6 92.6 172.0
 51 44.0 43.4 65.2



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

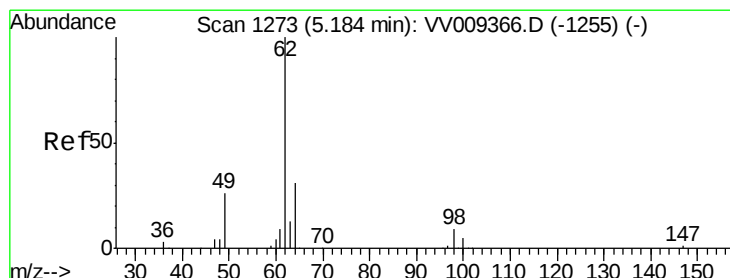
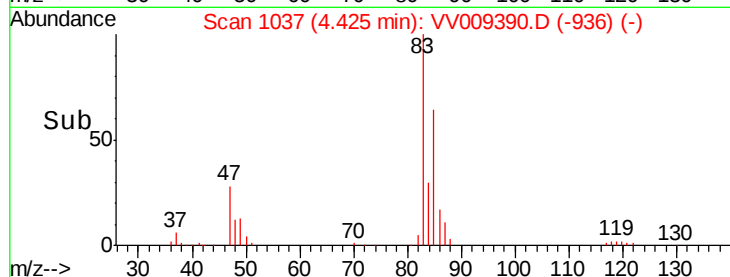
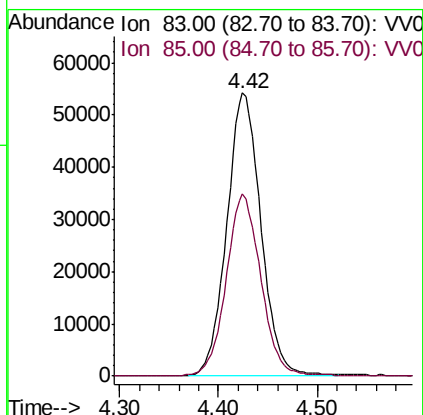
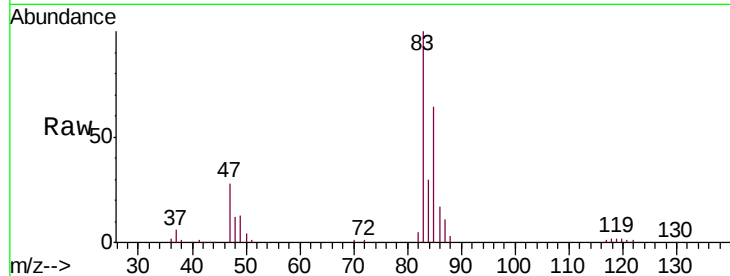




#25
Chloroform
Concen: 24.918 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.01 min
Lab File: VV009390.D
Acq: 27 Feb 2019 10:46

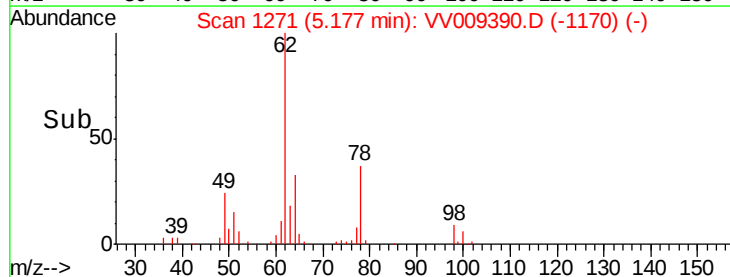
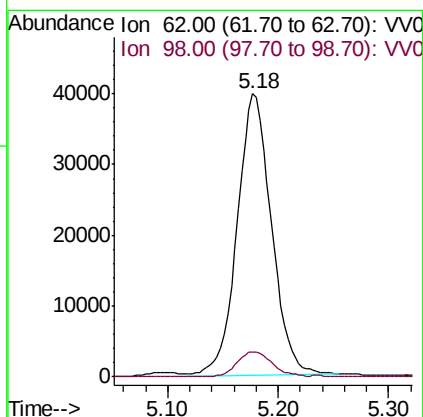
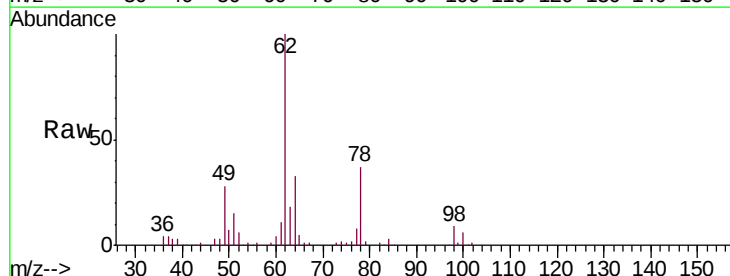
Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

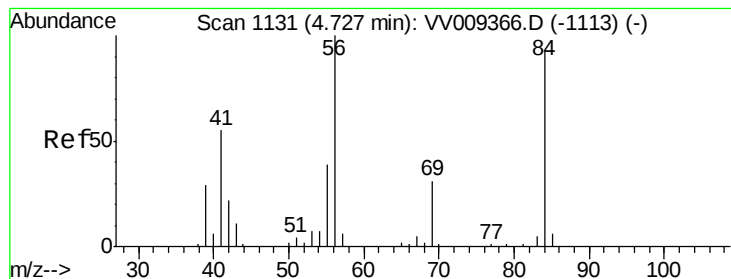
Tgt Ion: 83 Resp: 131076
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.2



#27
1,2-Dichloroethane
Concen: 23.566 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VV009390.D
Acq: 27 Feb 2019 10:46

Tgt Ion: 62 Resp: 85752
Ion Ratio Lower Upper
62 100
98 8.9 6.6 10.0





#30

Cyclohexane

Concen: 23.652 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02589

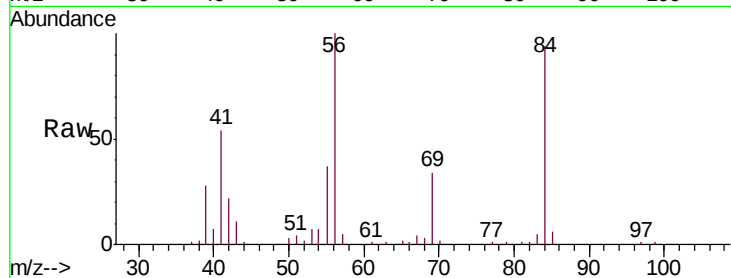
Tgt Ion: 56 Resp: 114834

Ion Ratio Lower Upper

56 100

69 32.8 24.9 37.3

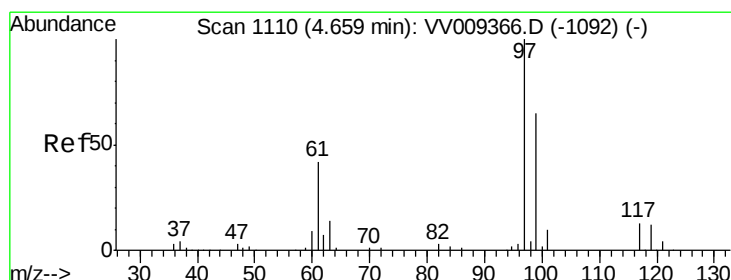
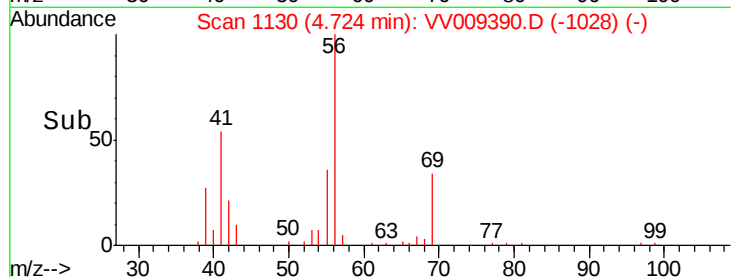
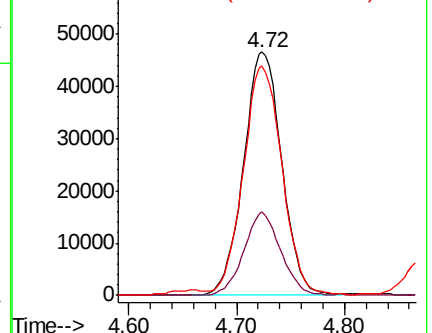
84 95.0 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VV009366.D (-1113) (-)

Ion 69.00 (68.70 to 69.70): VV009366.D (-1113) (-)

Ion 84.00 (83.70 to 84.70): VV009366.D (-1113) (-)



#31

1,1,1-Trichloroethane

Concen: 25.382 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

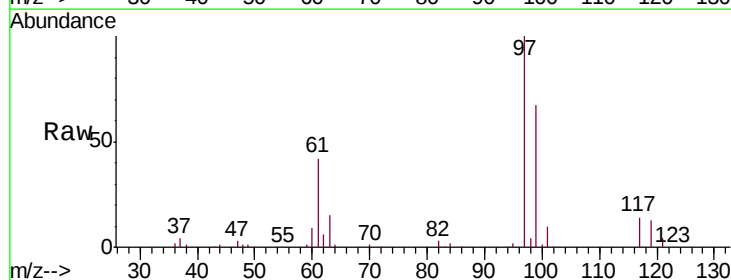
Tgt Ion: 97 Resp: 123553

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

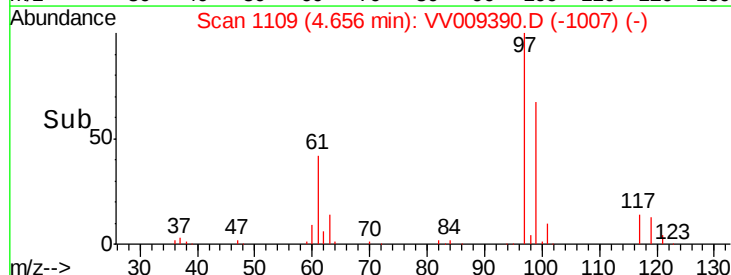
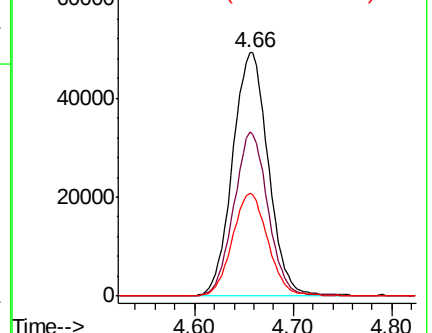
61 41.8 36.1 54.1

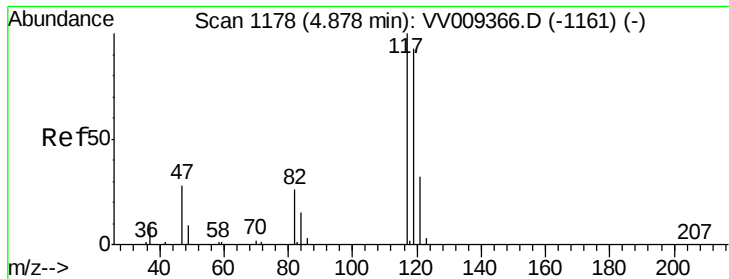


Abundance Ion 97.00 (96.70 to 97.70): VV009366.D (-1092) (-)

Ion 99.00 (98.70 to 99.70): VV009366.D (-1092) (-)

Ion 61.00 (60.70 to 61.70): VV009366.D (-1092) (-)





#32

Carbon tetrachloride

Concen: 25.524 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

Instrument :

MSVOA_V

ClientSampleId :

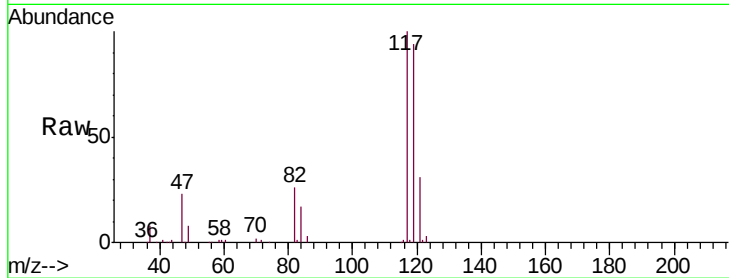
VSTD02589

Tgt Ion:117 Resp: 105963

Ion Ratio Lower Upper

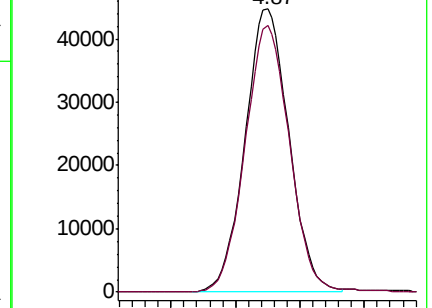
117 100

119 95.1 76.5 114.7

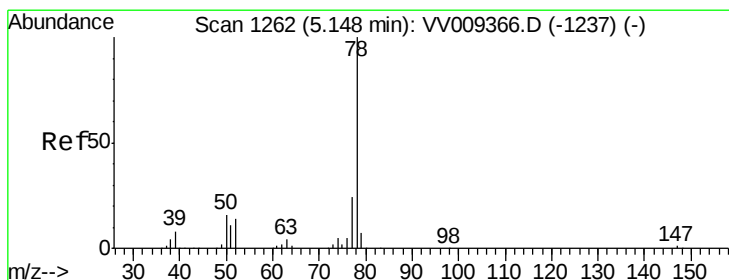
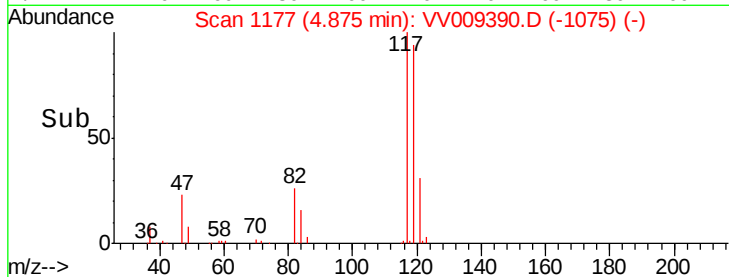


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 24.222 ug/L

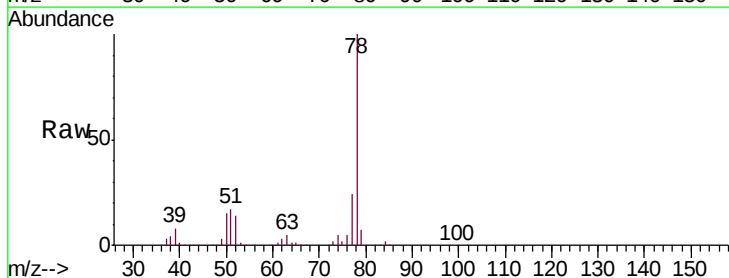
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

Tgt Ion: 78 Resp: 276798



Abundance Ion 78.00 (77.70 to 78.70): VV0

150000

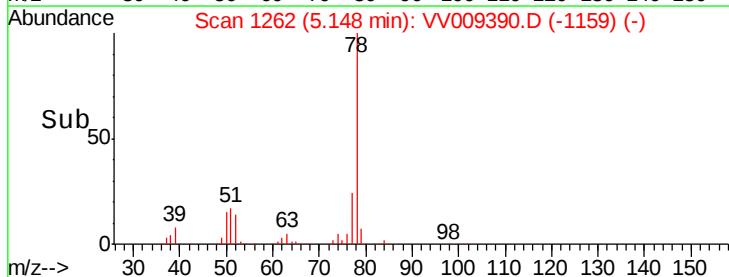
100000

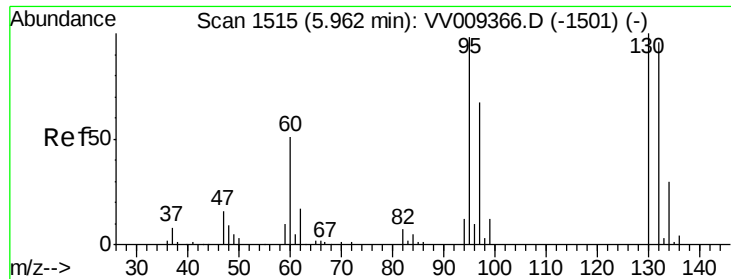
50000

0

5.00 5.10 5.20

Time-->

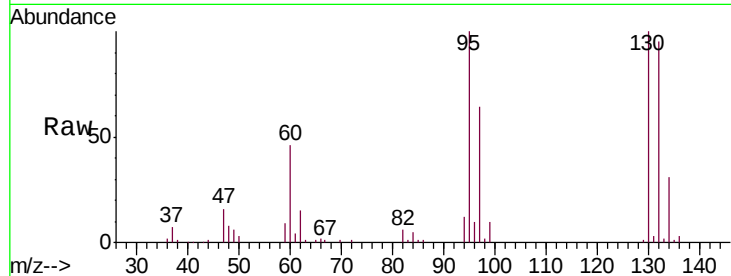




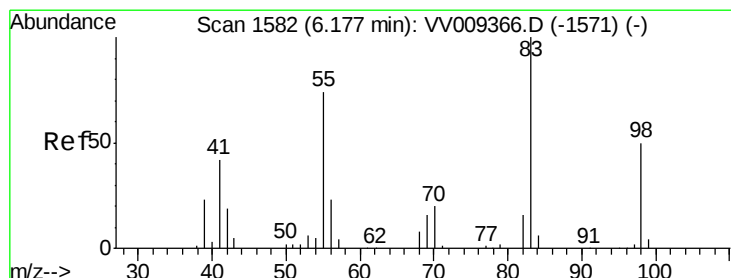
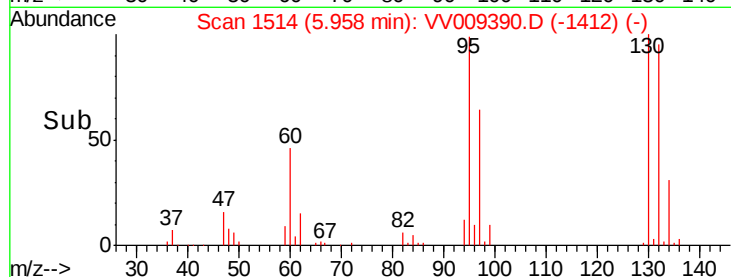
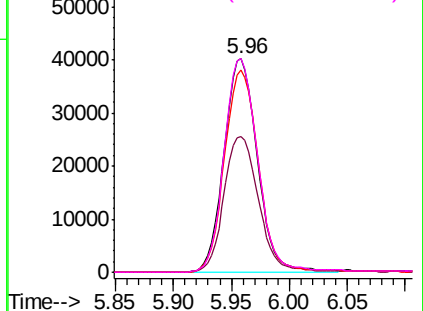
#35
 Trichloroethene
 Concen: 25.345 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009390.D
 Acq: 27 Feb 2019 10:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

Tgt Ion: 95 Resp: 80174
 Ion Ratio Lower Upper
 95 100
 97 65.8 44.3 82.3
 132 94.9 64.4 119.6
 130 100.0 69.4 128.8

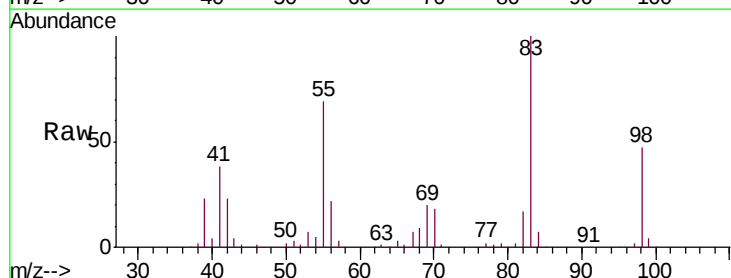


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

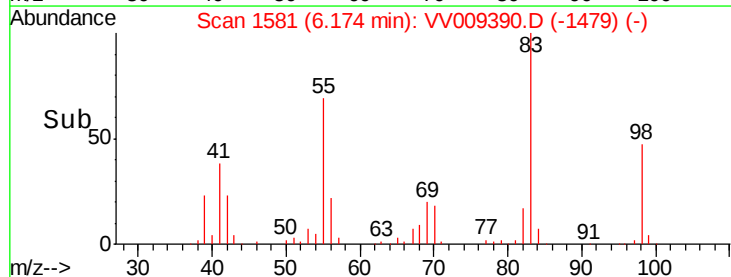
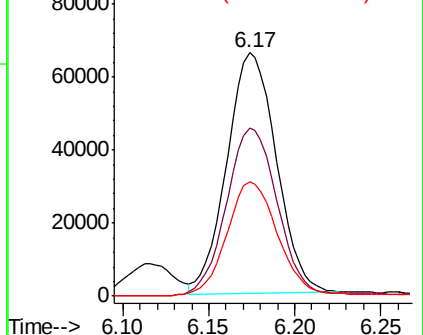


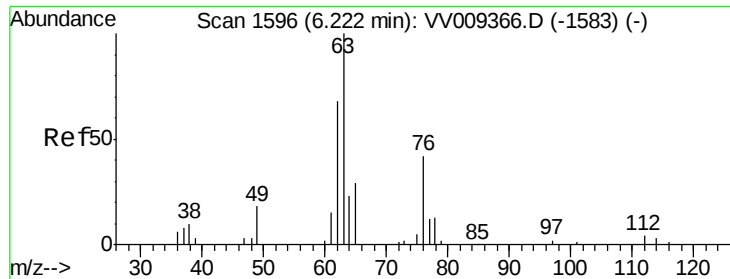
#36
 Methylcyclohexane
 Concen: 23.911 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV009390.D
 Acq: 27 Feb 2019 10:46

Tgt Ion: 83 Resp: 132063
 Ion Ratio Lower Upper
 83 100
 55 71.3 58.8 88.2
 98 48.8 37.7 56.5



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

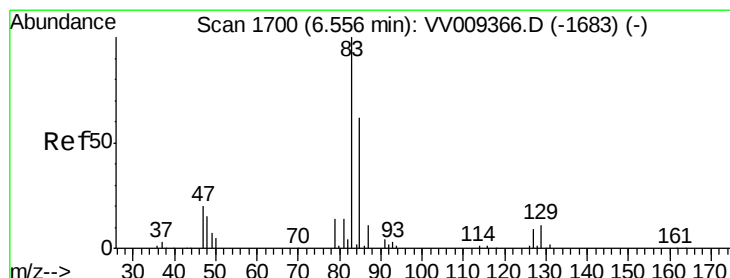
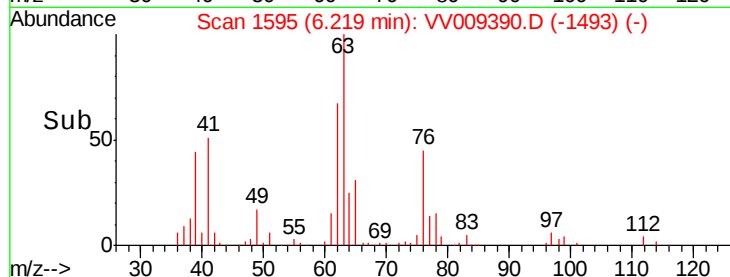
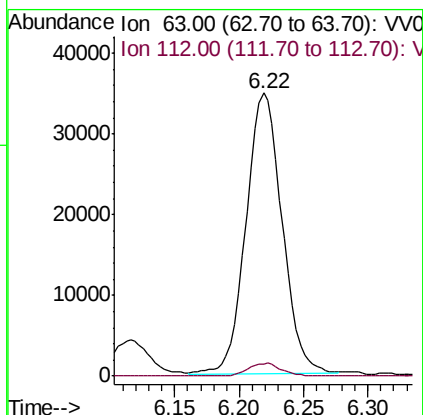
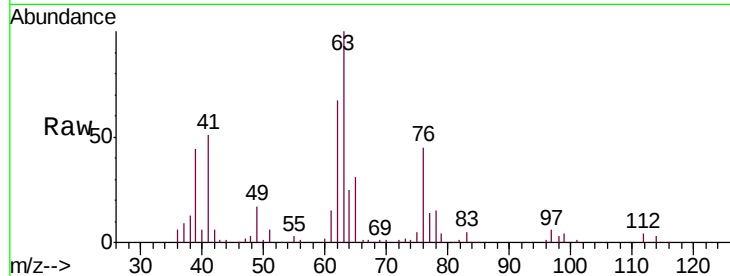




#40
 1,2-Dichloropropane
 Concen: 23.954 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV009390.D
 Acq: 27 Feb 2019 10:46

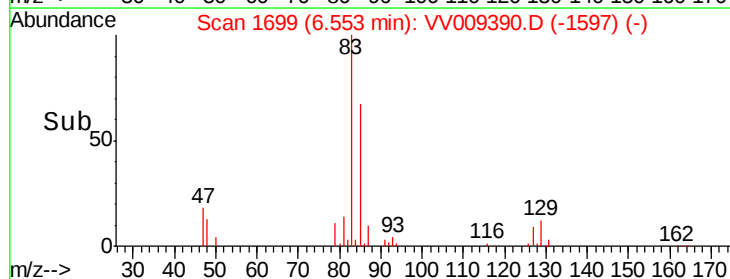
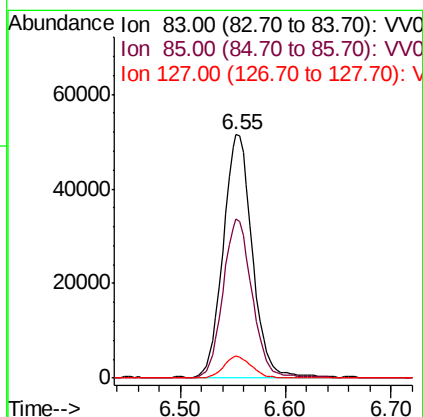
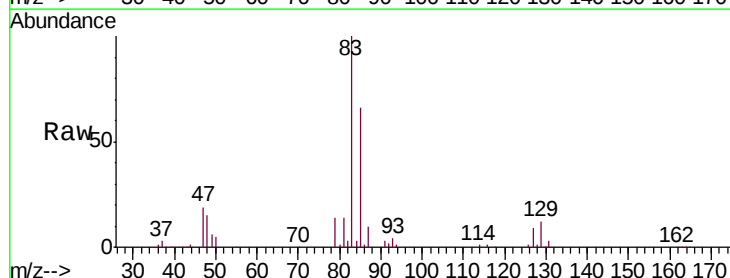
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02589

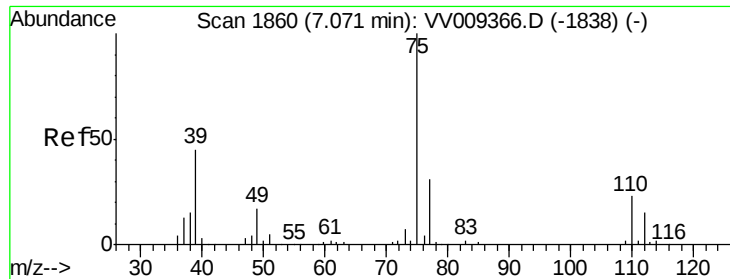
Tgt Ion: 63 Resp: 68005
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.0 4.4



#41
 Bromodichloromethane
 Concen: 24.287 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV009390.D
 Acq: 27 Feb 2019 10:46

Tgt Ion: 83 Resp: 98054
 Ion Ratio Lower Upper
 83 100
 85 65.5 46.5 86.3
 127 9.1 7.2 10.8



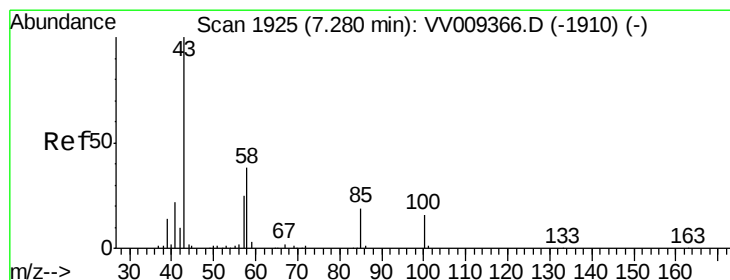
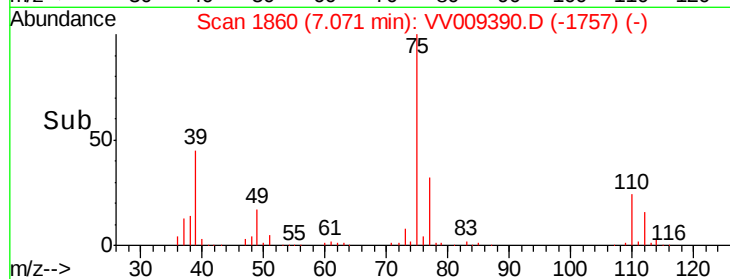
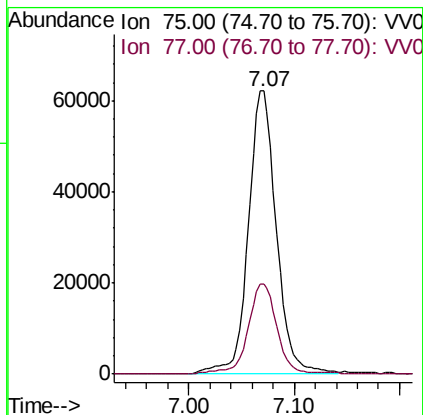
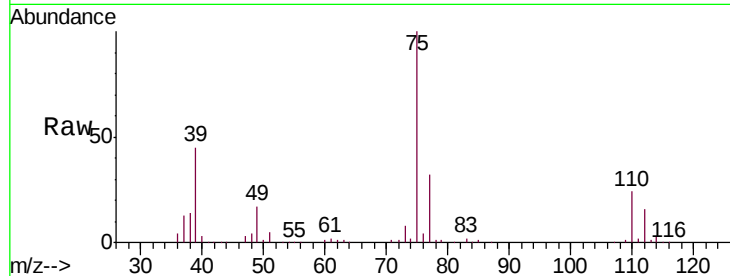


#42

cis-1,3-Dichloropropene
Concen: 25.595 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV009390.D
Acq: 27 Feb 2019 10:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

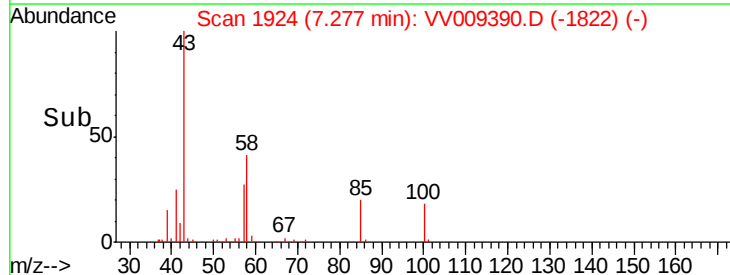
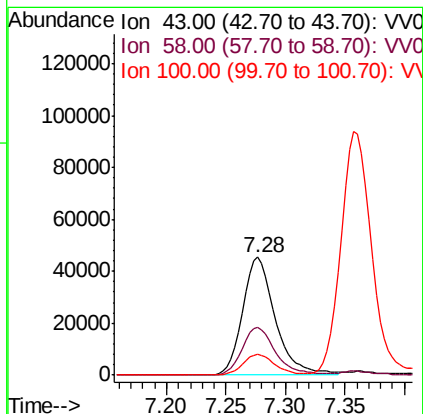
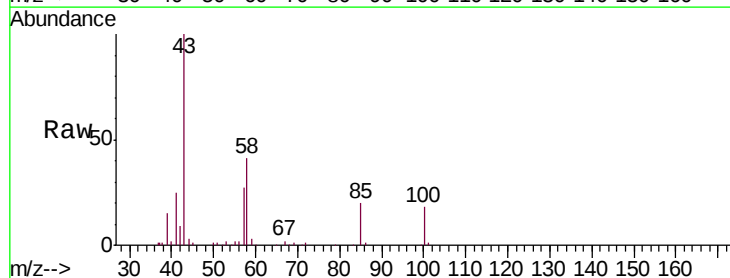
Tgt Ion: 75 Resp: 115456
Ion Ratio Lower Upper
75 100
77 32.0 21.4 39.8

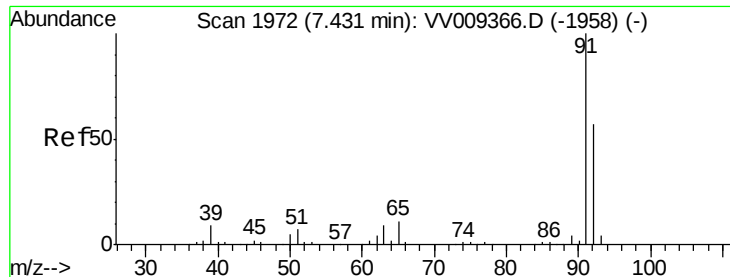


#43

4-Methyl-2-pentanone
Concen: 42.594 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VV009390.D
Acq: 27 Feb 2019 10:46

Tgt Ion: 43 Resp: 86452
Ion Ratio Lower Upper
43 100
58 41.3 31.9 47.9
100 17.3 12.8 19.2





#44

Toluene

Concen: 24.656 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

Instrument :

MSVOA_V

ClientSampleId :

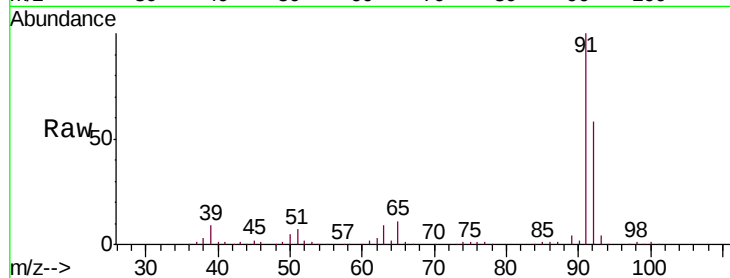
VSTD02589

Tgt Ion: 91 Resp: 315134

Ion Ratio Lower Upper

91 100

92 58.4 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VV009366.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009390.D (-1869) (-)

7.43

200000

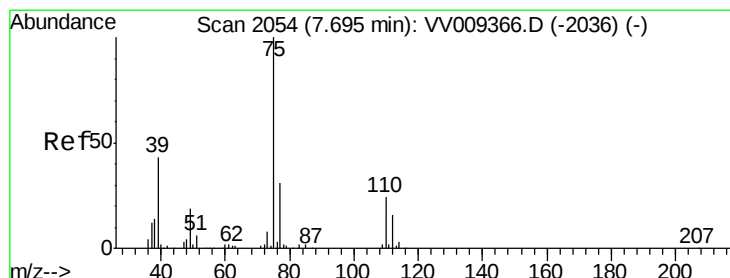
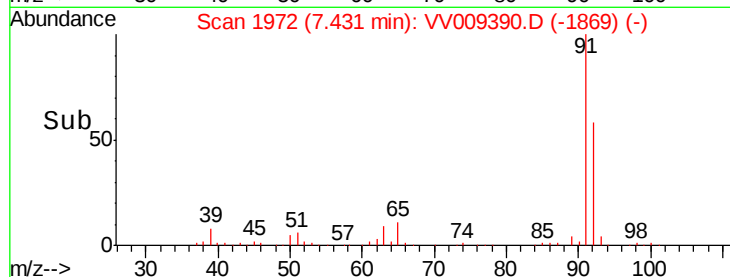
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.101 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009390.D

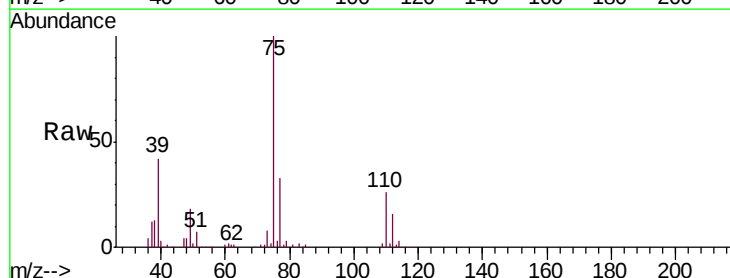
Acq: 27 Feb 2019 10:46

Tgt Ion: 75 Resp: 98563

Ion Ratio Lower Upper

75 100

77 32.6 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009366.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009390.D (-1951) (-)

7.69

60000

50000

40000

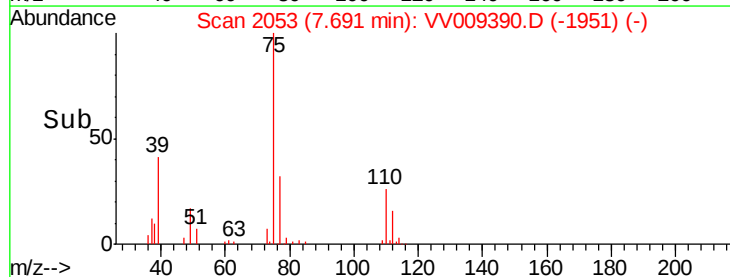
30000

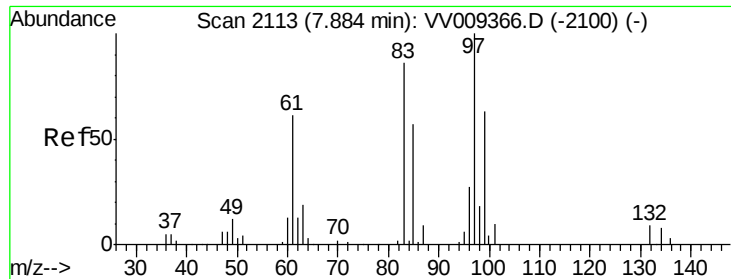
20000

10000

0

Time-->

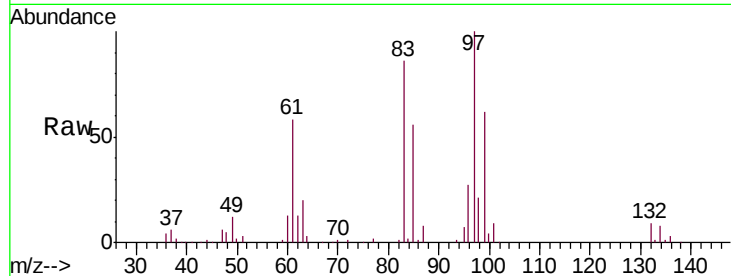




#46
1,1,2-Trichloroethane
Concen: 23.831 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV009390.D
Acq: 27 Feb 2019 10:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

Tgt Ion:	97	Resp:	55885
Ion	Ratio	Lower	Upper
97	100		
83	85.7	63.8	118.6
85	55.8	39.5	73.4
99	62.0	45.9	85.3



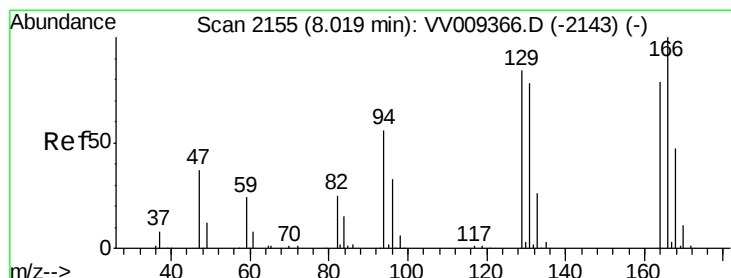
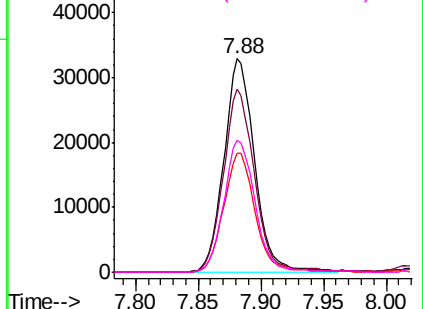
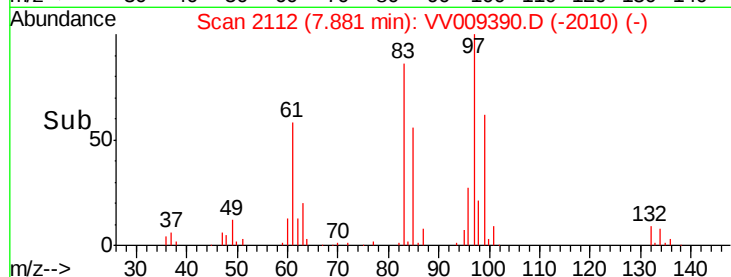
Abundance

Ion 97.00 (96.70 to 97.70): VV009390.D (-2010) (-)

Ion 83.00 (82.70 to 83.70): VV009390.D (-2010) (-)

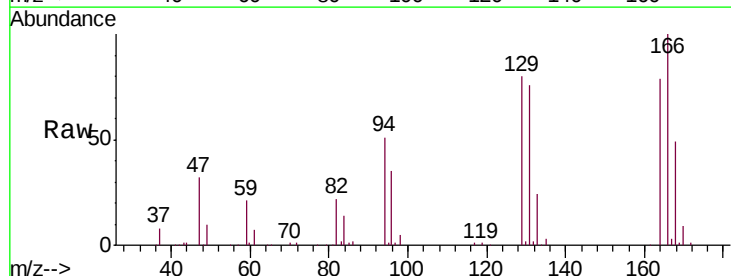
Ion 85.00 (84.70 to 85.70): VV009390.D (-2010) (-)

Ion 99.00 (98.70 to 99.70): VV009390.D (-2010) (-)



#47
Tetrachloroethene
Concen: 26.841 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV009390.D
Acq: 27 Feb 2019 10:46

Tgt Ion:	164	Resp:	62889
Ion	Ratio	Lower	Upper
164	100		
129	101.0	67.7	125.7
131	95.8	67.5	125.3
166	126.3	81.6	151.6



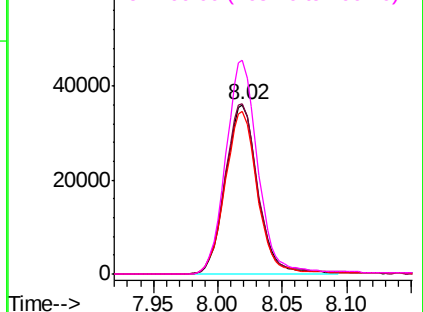
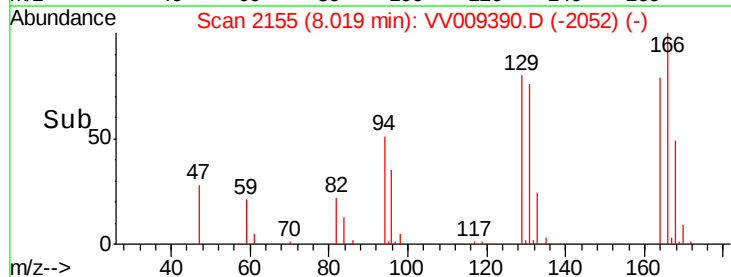
Abundance

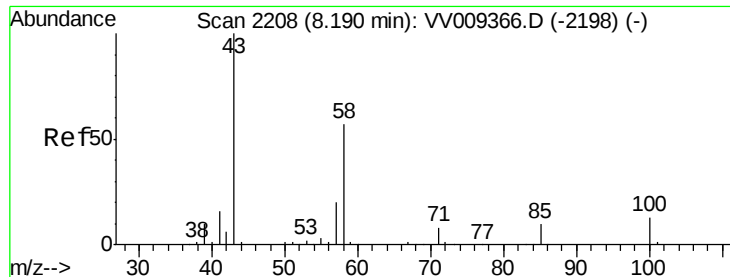
Ion 164.00 (163.70 to 164.70): VV009390.D (-2052) (-)

Ion 129.00 (128.70 to 129.70): VV009390.D (-2052) (-)

Ion 131.00 (130.70 to 131.70): VV009390.D (-2052) (-)

Ion 166.00 (165.70 to 166.70): VV009390.D (-2052) (-)

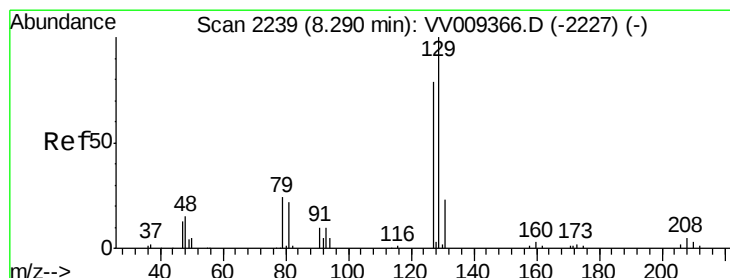
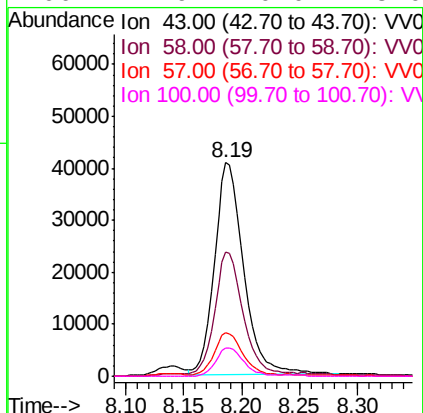
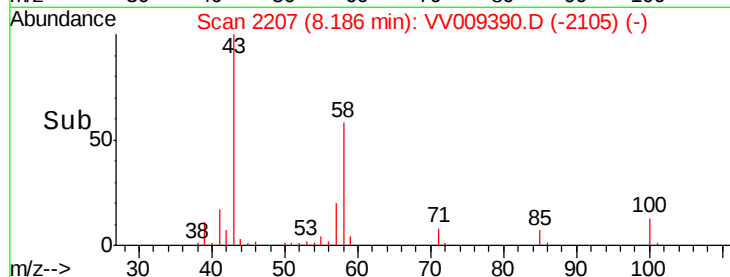
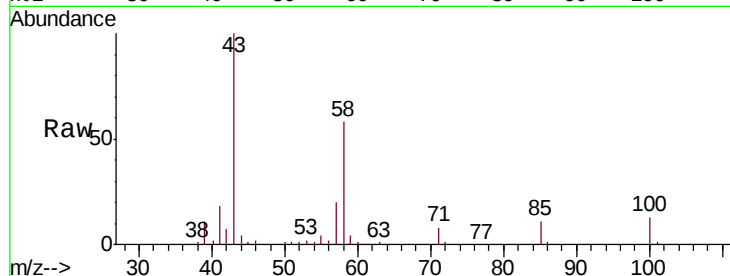




#49
2-Hexanone
Concen: 42.156 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009390.D
Acq: 27 Feb 2019 10:46

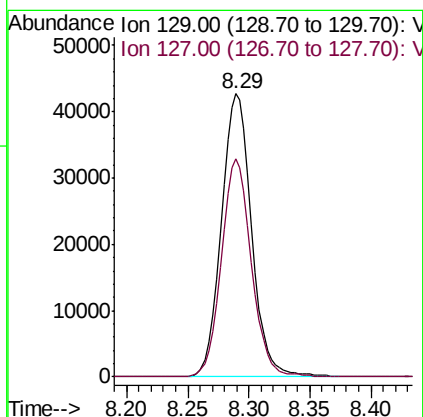
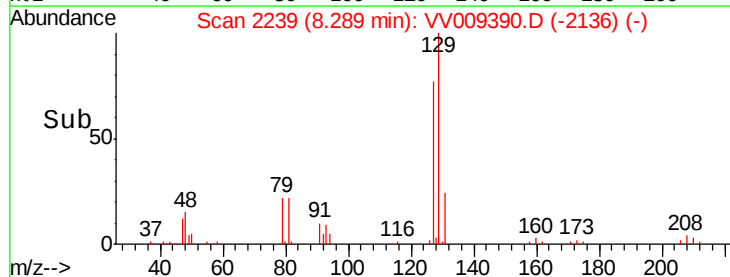
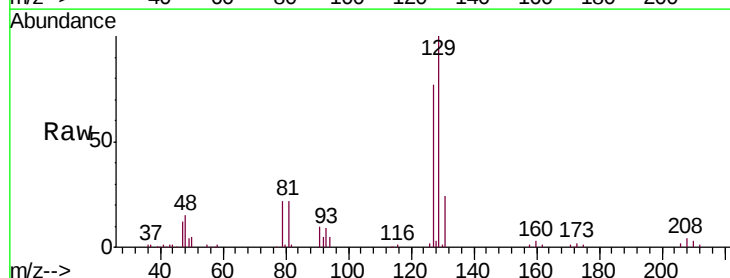
Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

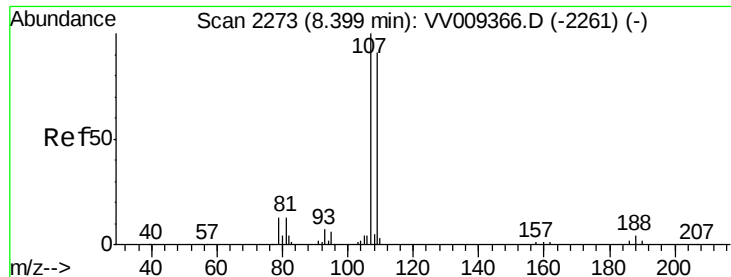
Tgt Ion: 43 Resp: 71444
Ion Ratio Lower Upper
43 100
58 55.3 46.3 69.5
57 19.3 15.8 23.6
100 12.9 10.0 15.0



#50
Dibromochloromethane
Concen: 25.299 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009390.D
Acq: 27 Feb 2019 10:46

Tgt Ion: 129 Resp: 74208
Ion Ratio Lower Upper
129 100
127 77.0 53.7 99.7





#51

1,2-Dibromoethane

Concen: 23.938 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02589

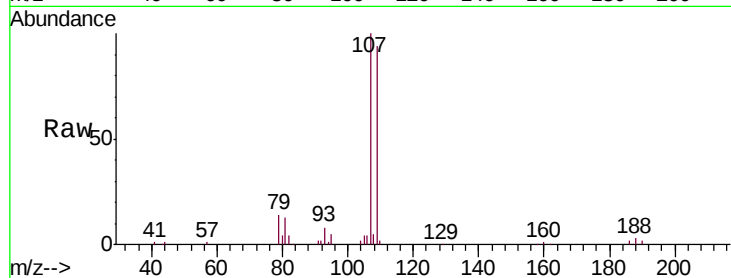
Tgt Ion:107 Resp: 56512

Ion Ratio Lower Upper

107 100

109 93.6 65.6 121.8

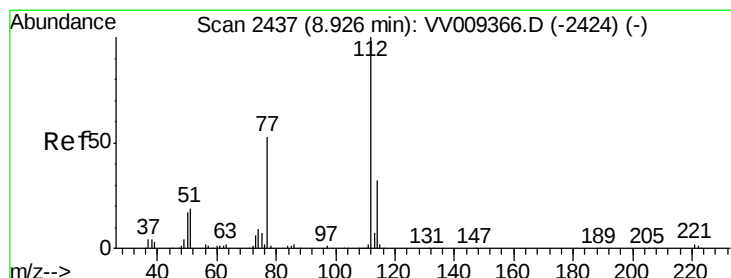
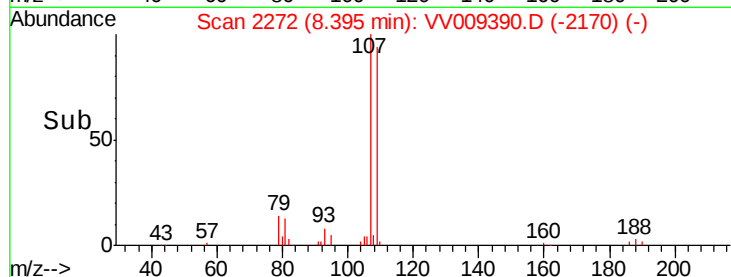
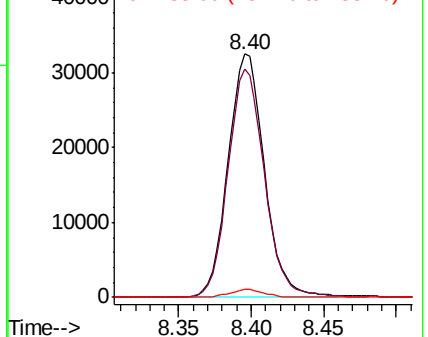
188 3.3 2.3 3.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.017 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

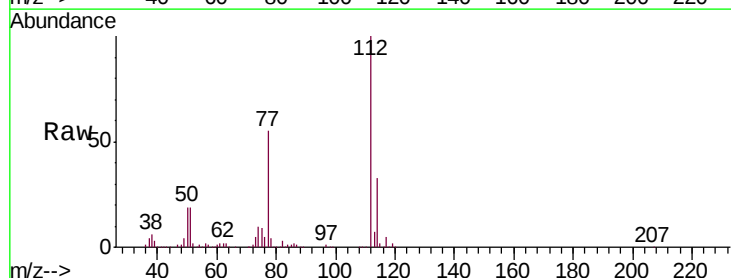
Tgt Ion:112 Resp: 207110

Ion Ratio Lower Upper

112 100

77 55.0 45.0 67.6

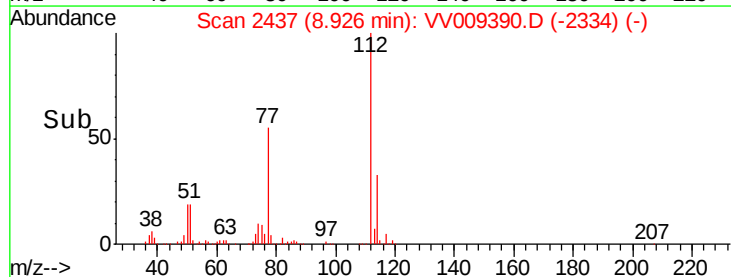
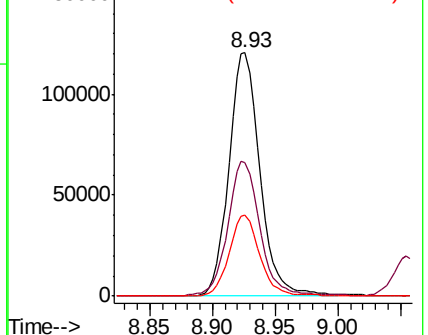
114 33.2 22.9 42.5

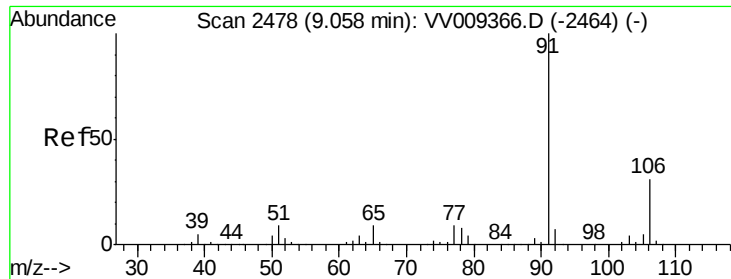


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

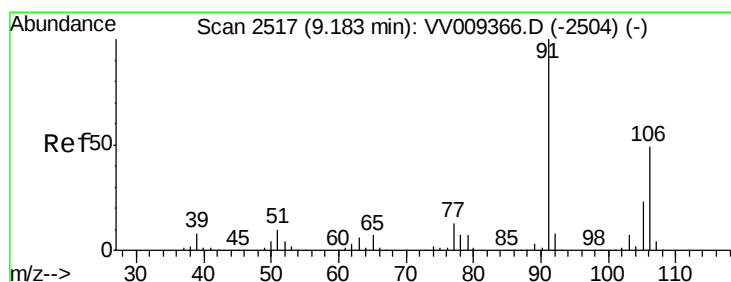
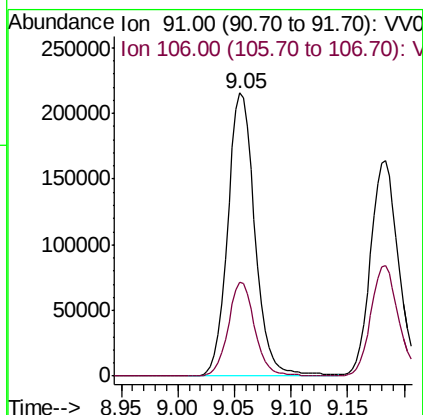
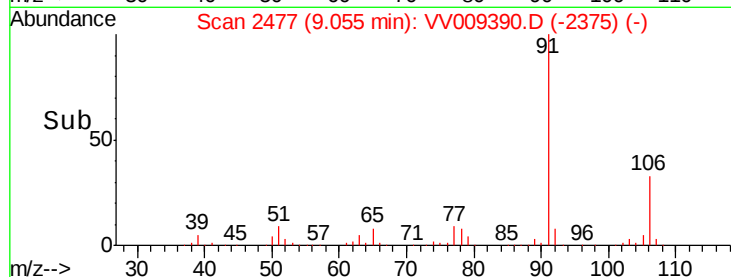
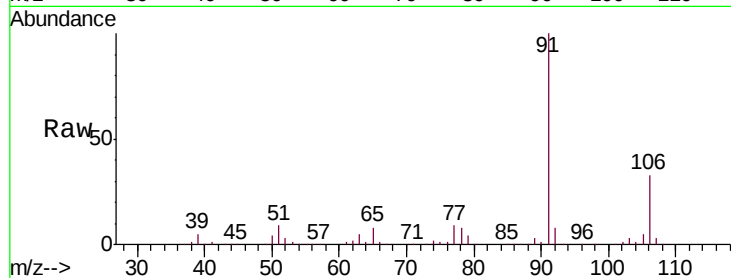




#53
Ethylbenzene
Concen: 24.754 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV009390.D
Acq: 27 Feb 2019 10:46

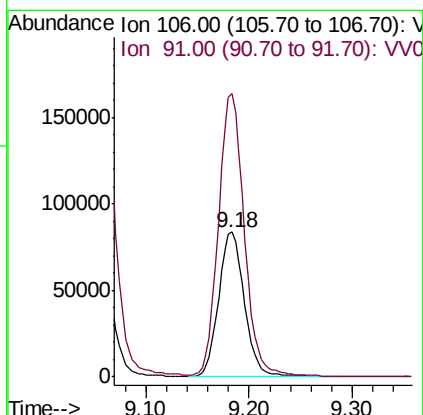
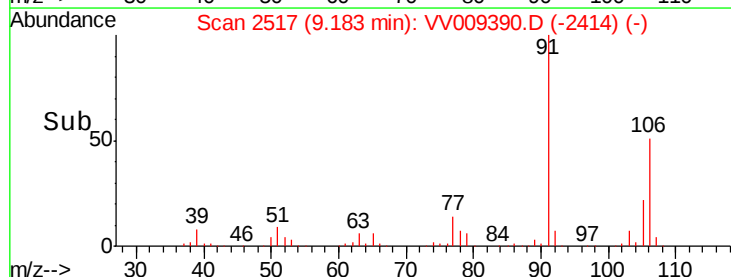
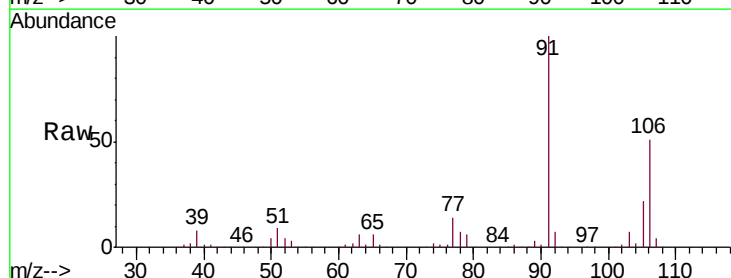
Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

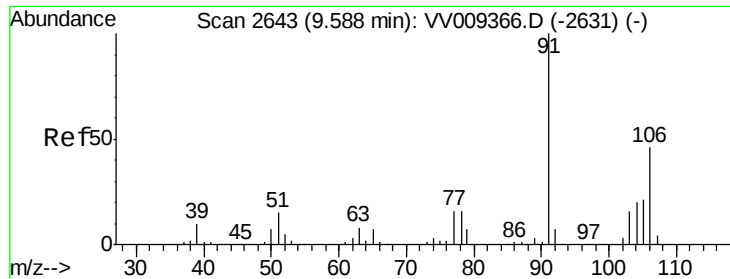
Tgt Ion: 91 Resp: 361855
Ion Ratio Lower Upper
91 100
106 33.2 23.0 42.6



#54
m,p-Xylene
Concen: 25.681 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV009390.D
Acq: 27 Feb 2019 10:46

Tgt Ion: 106 Resp: 146239
Ion Ratio Lower Upper
106 100
91 195.5 138.5 257.1

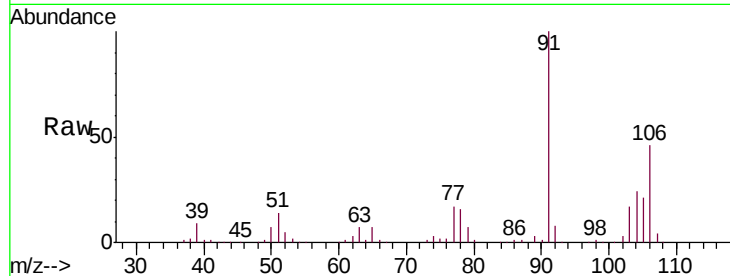




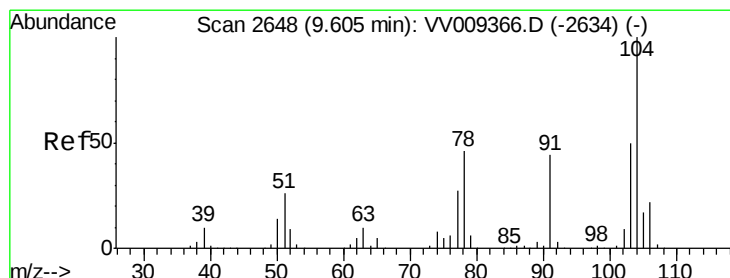
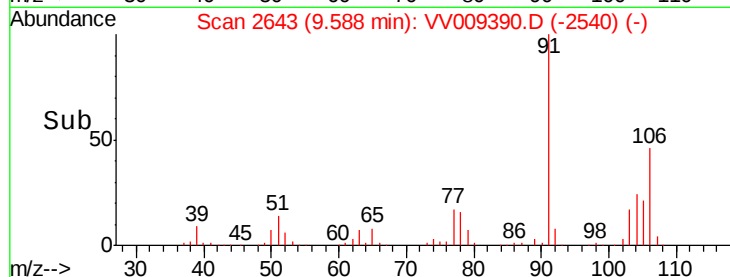
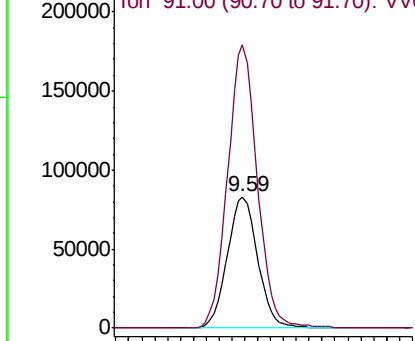
#55
o-xylene
Concen: 25.266 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009390.D
Acq: 27 Feb 2019 10:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

Tgt Ion:106 Resp: 136409
Ion Ratio Lower Upper
106 100
91 215.5 143.8 267.0

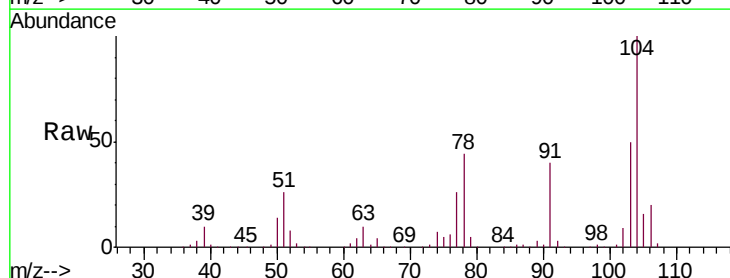


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

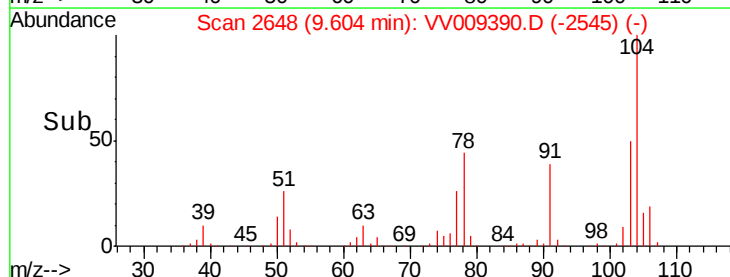
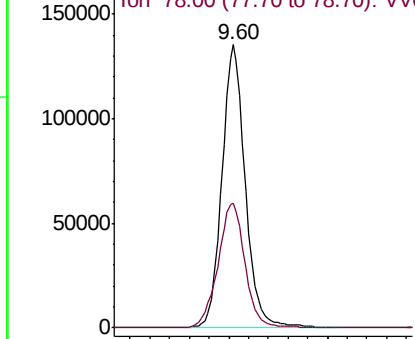


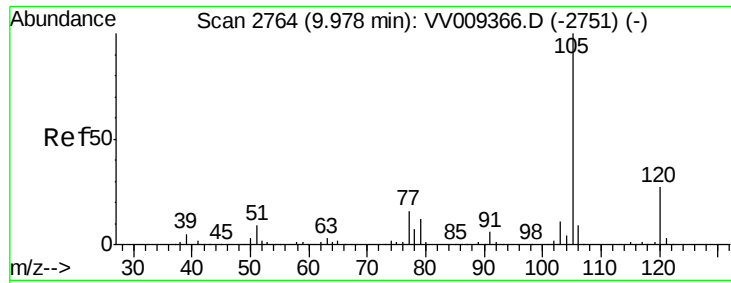
#56
Styrene
Concen: 24.846 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009390.D
Acq: 27 Feb 2019 10:46

Tgt Ion:104 Resp: 225001
Ion Ratio Lower Upper
104 100
78 43.8 32.7 60.7



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





#57

Isopropylbenzene

Concen: 25.260 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02589

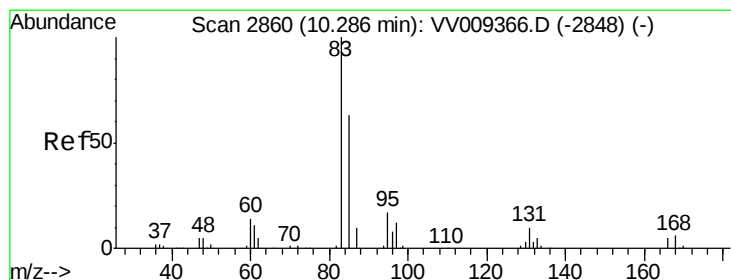
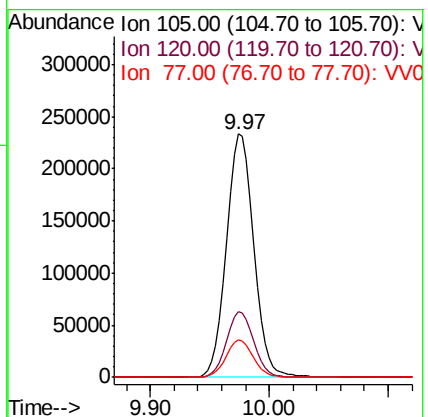
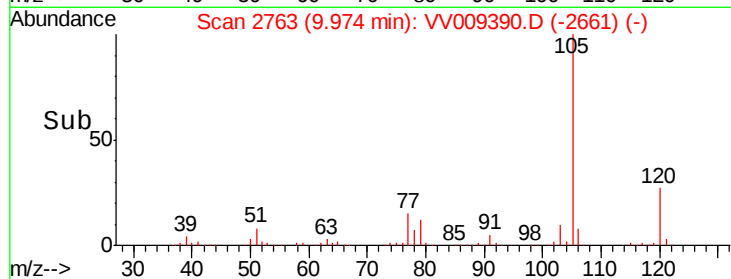
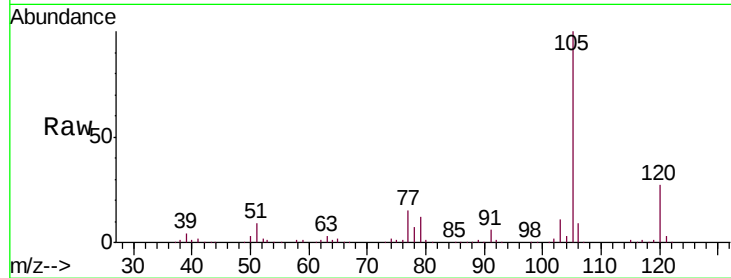
Tgt Ion: 105 Resp: 372589

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

77 15.3 12.8 19.2



#58

1,1,2,2-Tetrachloroethane

Concen: 22.581 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

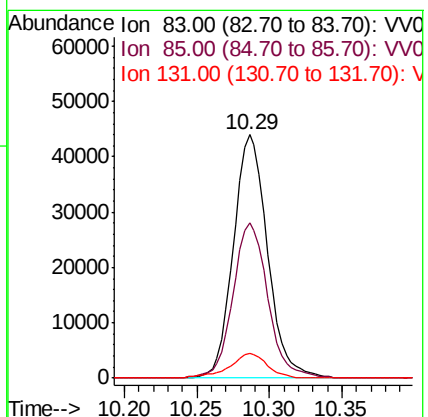
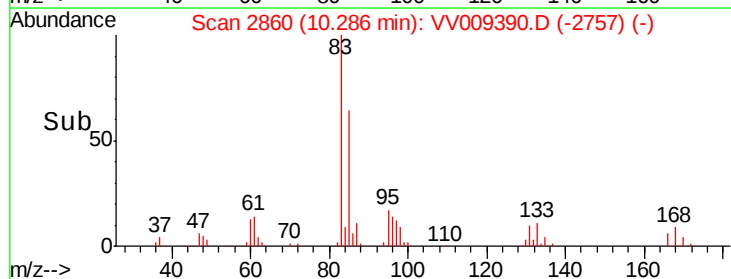
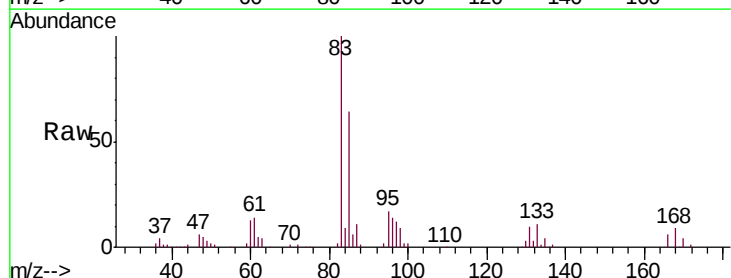
Tgt Ion: 83 Resp: 72005

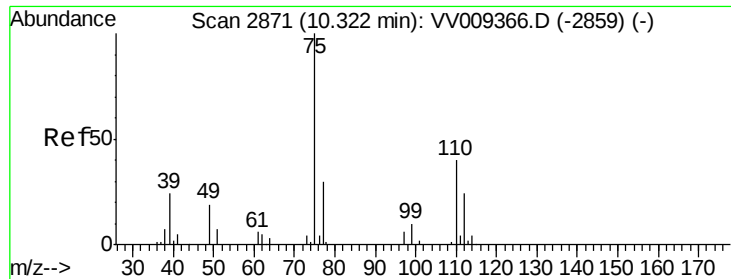
Ion Ratio Lower Upper

83 100

85 63.5 44.7 83.1

131 10.2 7.0 10.6

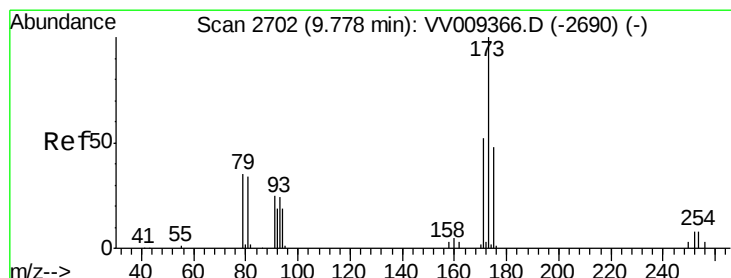
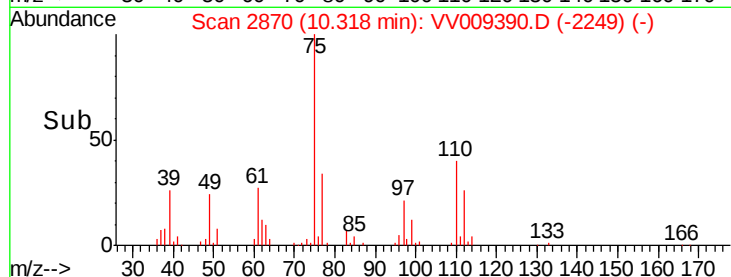
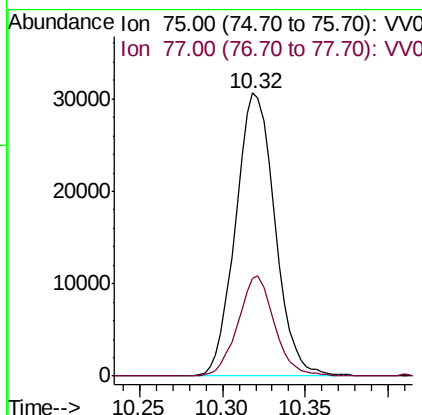
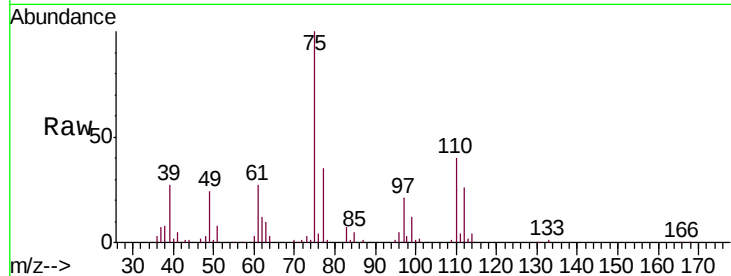




#59
 1,2,3-Trichloropropane
 Concen: 22.244 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV009390.D
 Acq: 27 Feb 2019 10:46

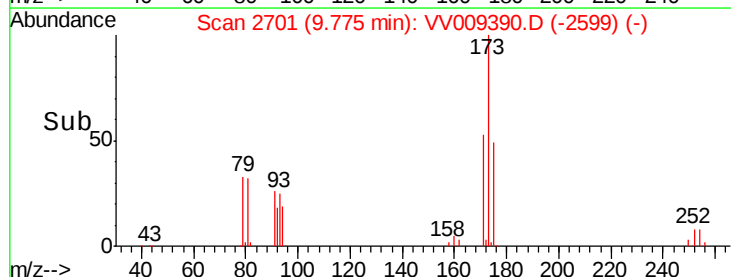
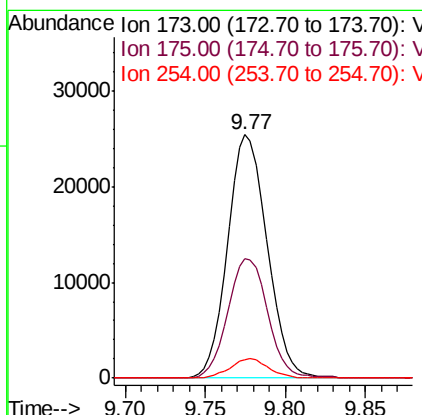
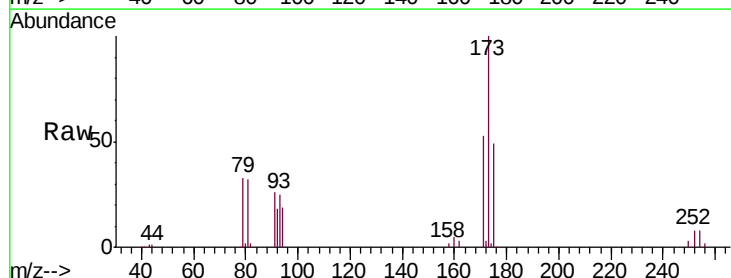
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

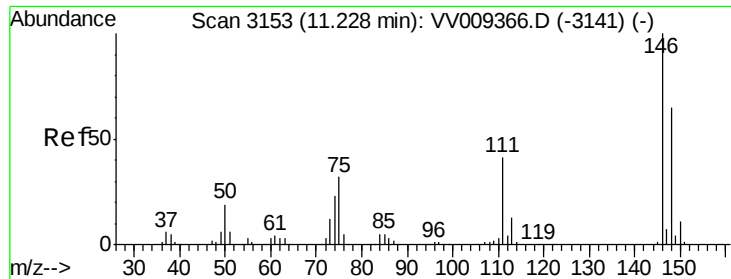
Tgt Ion: 75 Resp: 50521
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.9 38.9



#62
 Bromoform
 Concen: 23.548 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV009390.D
 Acq: 27 Feb 2019 10:46

Tgt Ion: 173 Resp: 42917
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.8 58.2
 254 7.6 5.8 8.8

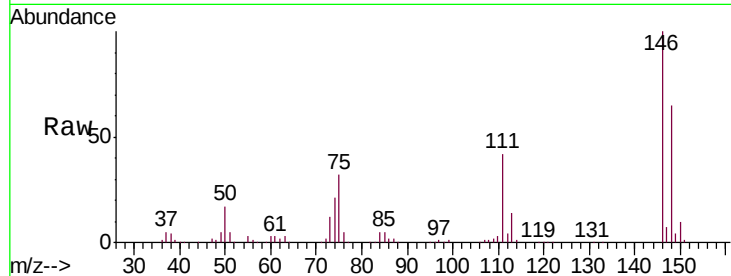




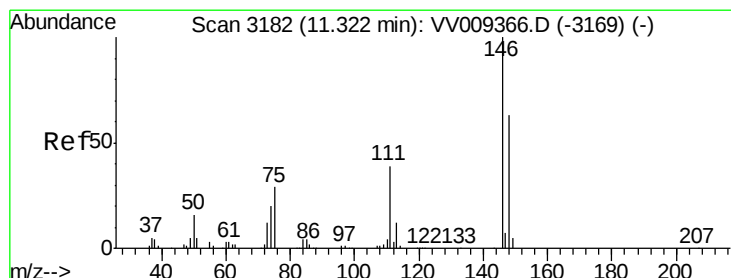
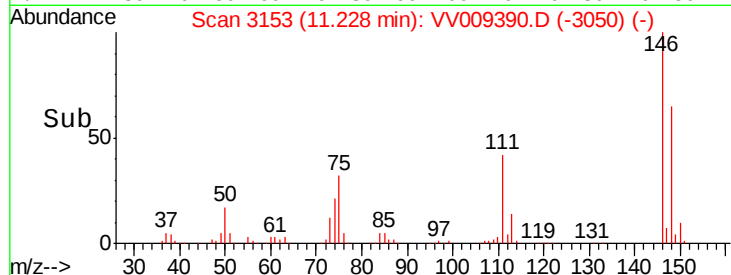
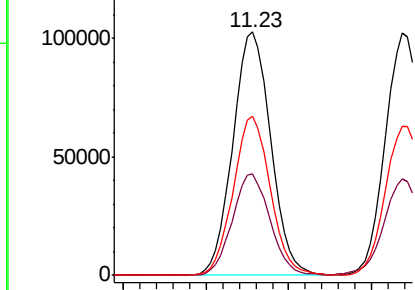
#63
 1,3-Dichlorobenzene
 Concen: 25.146 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009390.D
 Acq: 27 Feb 2019 10:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

Tgt Ion:146 Resp: 163874
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.6 55.0
 148 65.3 44.8 83.2

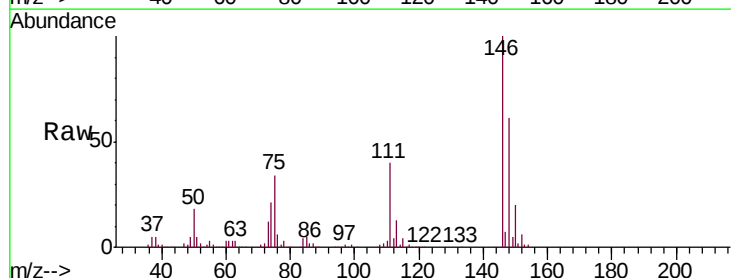


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

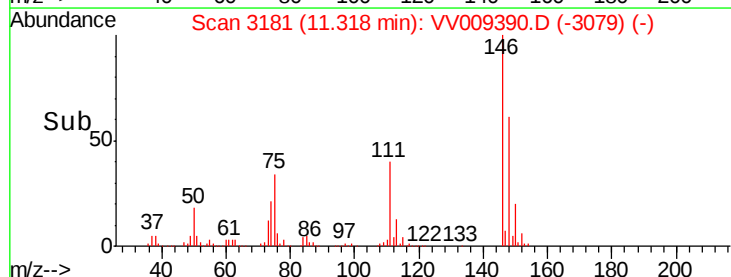
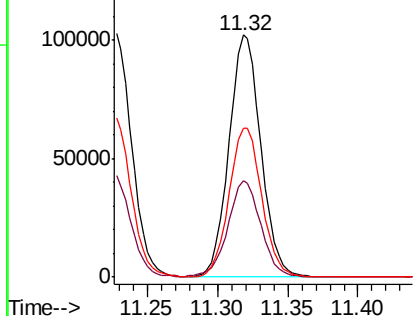


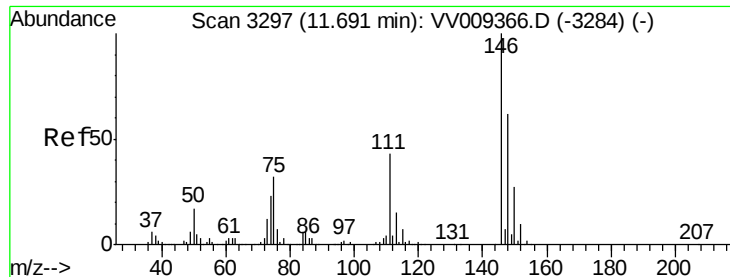
#64
 1,4-Dichlorobenzene
 Concen: 24.875 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009390.D
 Acq: 27 Feb 2019 10:46

Tgt Ion:146 Resp: 161805
 Ion Ratio Lower Upper
 146 100
 111 39.9 29.2 54.2
 148 61.4 43.0 79.8



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 24.884 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02589

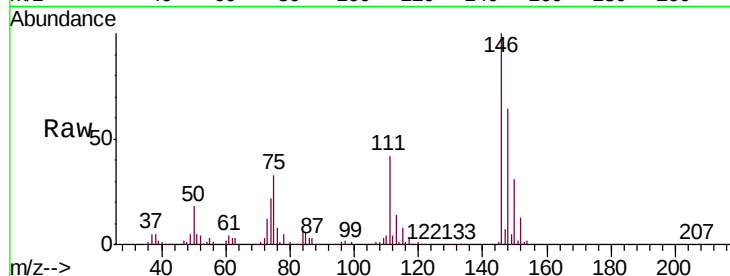
Tgt Ion:146 Resp: 152367

Ion Ratio Lower Upper

146 100

111 42.1 35.4 53.0

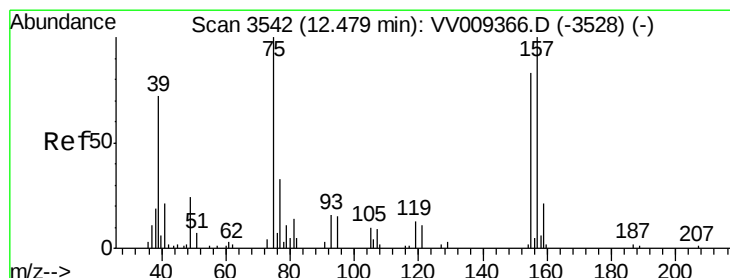
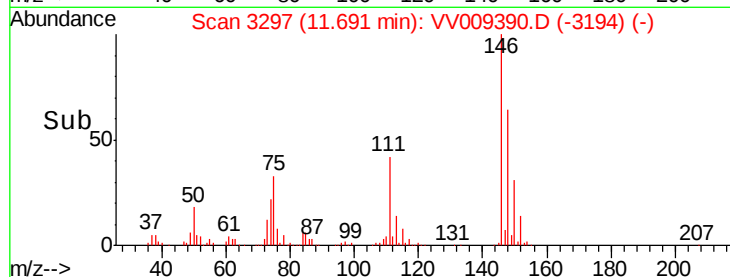
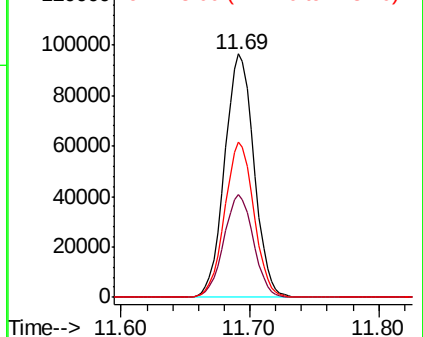
148 64.0 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 21.434 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

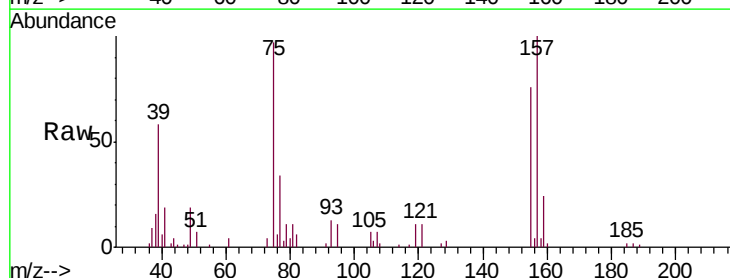
Tgt Ion: 75 Resp: 12958

Ion Ratio Lower Upper

75 100

157 103.1 81.0 121.4

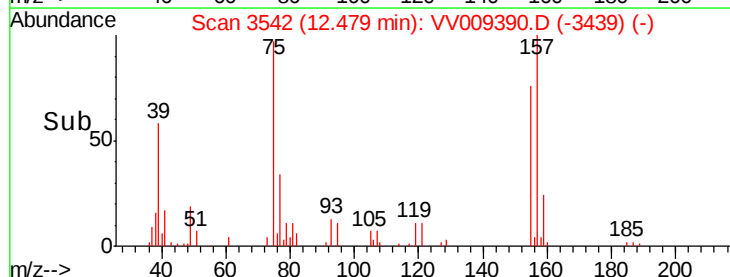
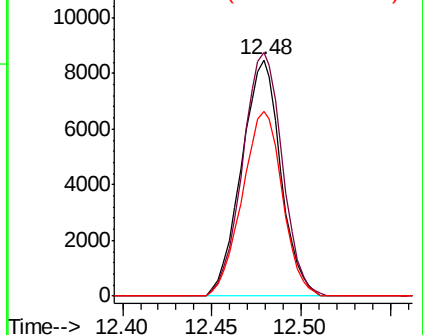
155 78.4 61.2 91.8

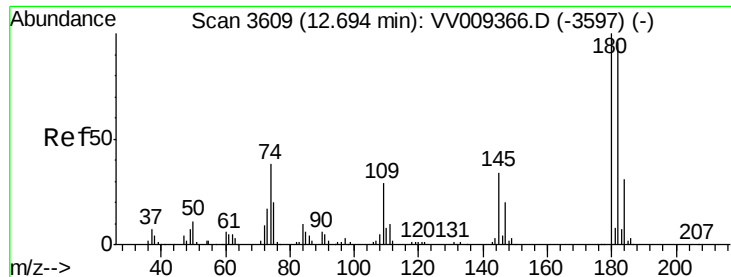


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

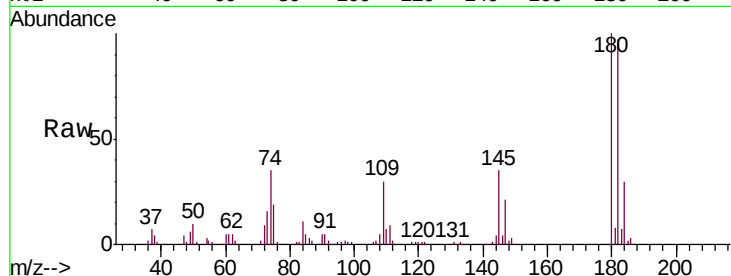




#67
 1,3,5-Trichlorobenzene
 Concen: 24.878 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009390.D
 Acq: 27 Feb 2019 10:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

Tgt Ion:	180	Resp:	114477
Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.4	113.2
184	30.9	23.9	35.9
145	34.0	26.0	39.0



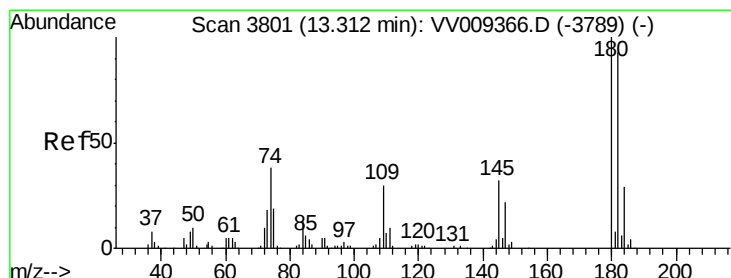
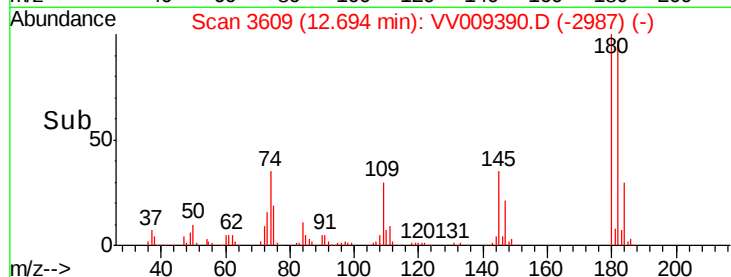
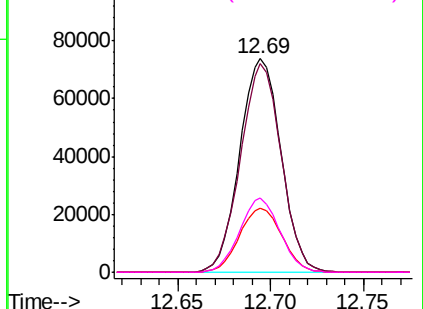
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

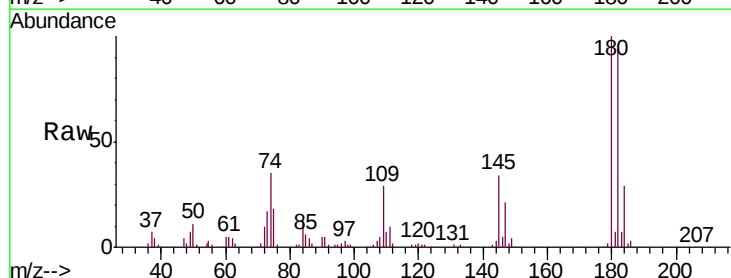
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.734 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009390.D
 Acq: 27 Feb 2019 10:46

Tgt Ion:	180	Resp:	88356
Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.9	113.9
145	33.8	26.2	39.4

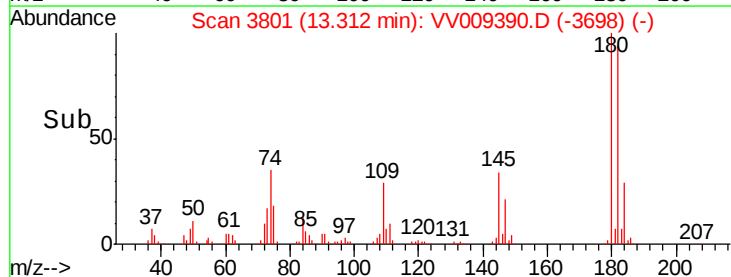
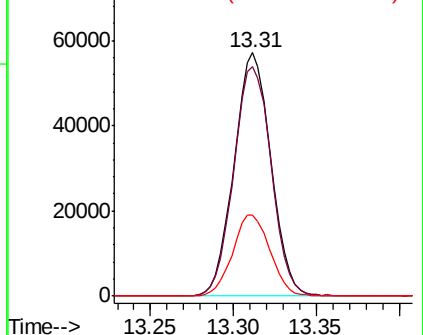


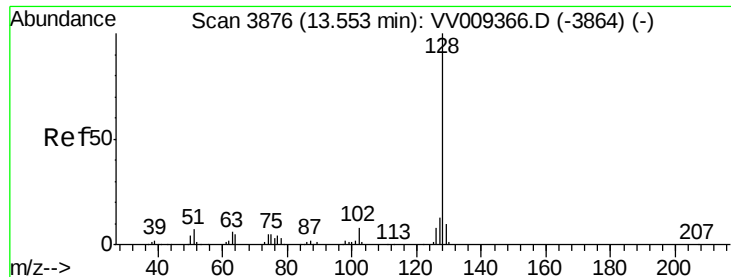
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 22.324 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02589

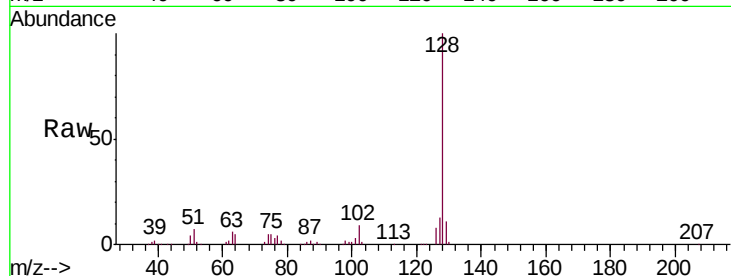
Tgt Ion:128 Resp: 161469

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

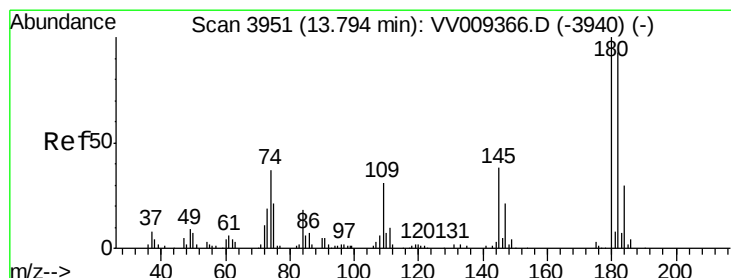
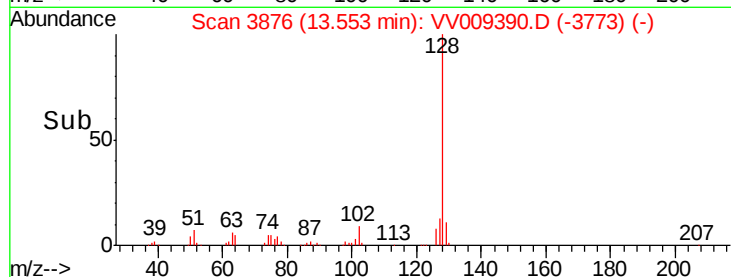
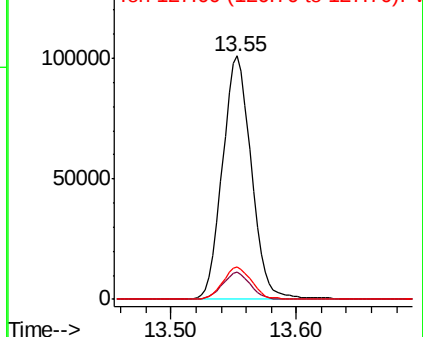
127 13.2 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.400 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009390.D

Acq: 27 Feb 2019 10:46

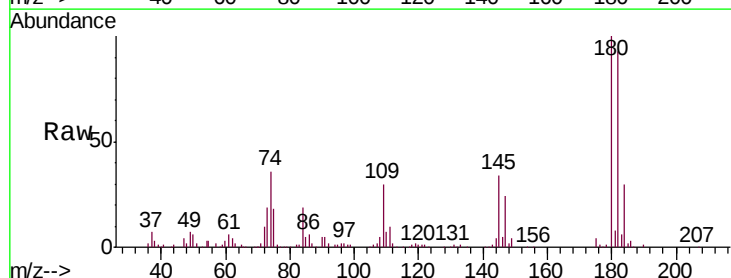
Tgt Ion:180 Resp: 80798

Ion Ratio Lower Upper

180 100

182 92.8 74.2 111.2

145 34.0 27.7 41.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

