

Data File : VV009388.D
Acq On : 27 Feb 2019 00:46
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

Quant Time: Feb 27 04:49:59 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	154215	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	156464	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	76280	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42102	21.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.80%
7) Chloroethane-d5	1.57	69	46226	18.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.28%
10) 1,1-Dichloroethene-d2	2.13	63	120169	23.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.68%
20) 2-Butanone-d5	3.94	46	37753	64.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.18%
24) Chloroform-d	4.40	84	102357	27.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.48%
26) 1,2-Dichloroethane-d4	5.08	65	60419	29.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.80%
29) Benzene-d6	5.10	84	199589	24.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.00%
33) 1,2-Dichloropropane-d6	6.12	67	62783	25.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.04%
37) Toluene-d8	7.36	98	190248	23.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.36%
38) trans-1,3-Dichloropropene-	7.66	79	30997	25.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.76%
39) 2-Hexanone-d5	8.13	63	31483	61.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	70912	29.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	76435	27.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	42589	21.817 ug/L	100
3) Chloromethane	1.25	50	52276	25.229 ug/L	99
5) Vinyl chloride	1.32	62	52148	22.653 ug/L	98
6) Bromomethane	1.52	94	56633	22.874 ug/L	100
8) Chloroethane	1.59	64	39015	19.876 ug/L	99
9) Trichlorofluoromethane	1.76	101	108279	23.326 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	58320	22.643 ug/L	97
12) 1,1-Dichloroethene	2.14	96	51862	23.418 ug/L	92
13) Acetone	2.20	43	26470	39.609 ug/L	96
14) Carbon disulfide	2.31	76	140308	24.384 ug/L	99
15) Methyl Acetate	2.46	43	28626	32.418 ug/L	94
16) Methylene chloride	2.53	84	56557	27.076 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	142119	29.491 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	49948	25.949 ug/L	99
19) 1,1-Dichloroethane	3.23	63	92476	27.044 ug/L	99
21) 2-Butanone	4.02	43	40159	48.222 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	60578	27.992 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	27603	28.422	ug/L	96
25) Chloroform	4.43	83	102465	27.535	ug/L	99
27) 1,2-Dichloroethane	5.18	62	75044	29.153	ug/L	99
30) Cyclohexane	4.72	56	79174	21.362	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	83457	22.459	ug/L	99
32) Carbon tetrachloride	4.88	117	66046	20.840	ug/L	98
34) Benzene	5.15	78	210596	24.141	ug/L	100
35) Trichloroethene	5.96	95	56581	23.431	ug/L	98
36) Methylcyclohexane	6.18	83	88564	21.005	ug/L	98
40) 1,2-Dichloropropane	6.22	63	55937	25.811	ug/L	99
41) Bromodichloromethane	6.56	83	81243	26.361	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	89639	26.031	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	86954	56.120	ug/L	99
44) Toluene	7.43	91	243306	24.937	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	81988	26.262	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	49549	27.679	ug/L	98
47) Tetrachloroethene	8.02	164	41631	23.275	ug/L	95
49) 2-Hexanone	8.19	43	63436	49.033	ug/L	99
50) Dibromochloromethane	8.29	129	60293	26.926	ug/L	99
51) 1,2-Dibromoethane	8.40	107	49981	27.734	ug/L	97
52) Chlorobenzene	8.93	112	165368	26.167	ug/L	99
53) Ethylbenzene	9.06	91	272228	24.395	ug/L	99
54) m,p-Xylene	9.18	106	106021	24.389	ug/L	94
55) o-xylene	9.59	106	109945	26.676	ug/L	94
56) Styrene	9.60	104	189294	27.382	ug/L	100
57) Isopropylbenzene	9.97	105	285242	25.332	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	70644	29.021	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	48899	28.204	ug/L	96
62) Bromoform	9.77	173	37575	27.440	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	124720	25.471	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	126699	25.924	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	124389	27.038	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	13425	29.555	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	87352	25.265	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	68582	25.552	ug/L	99
69) Naphthalene	13.55	128	154629	28.452	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	67357	27.073	ug/L	99

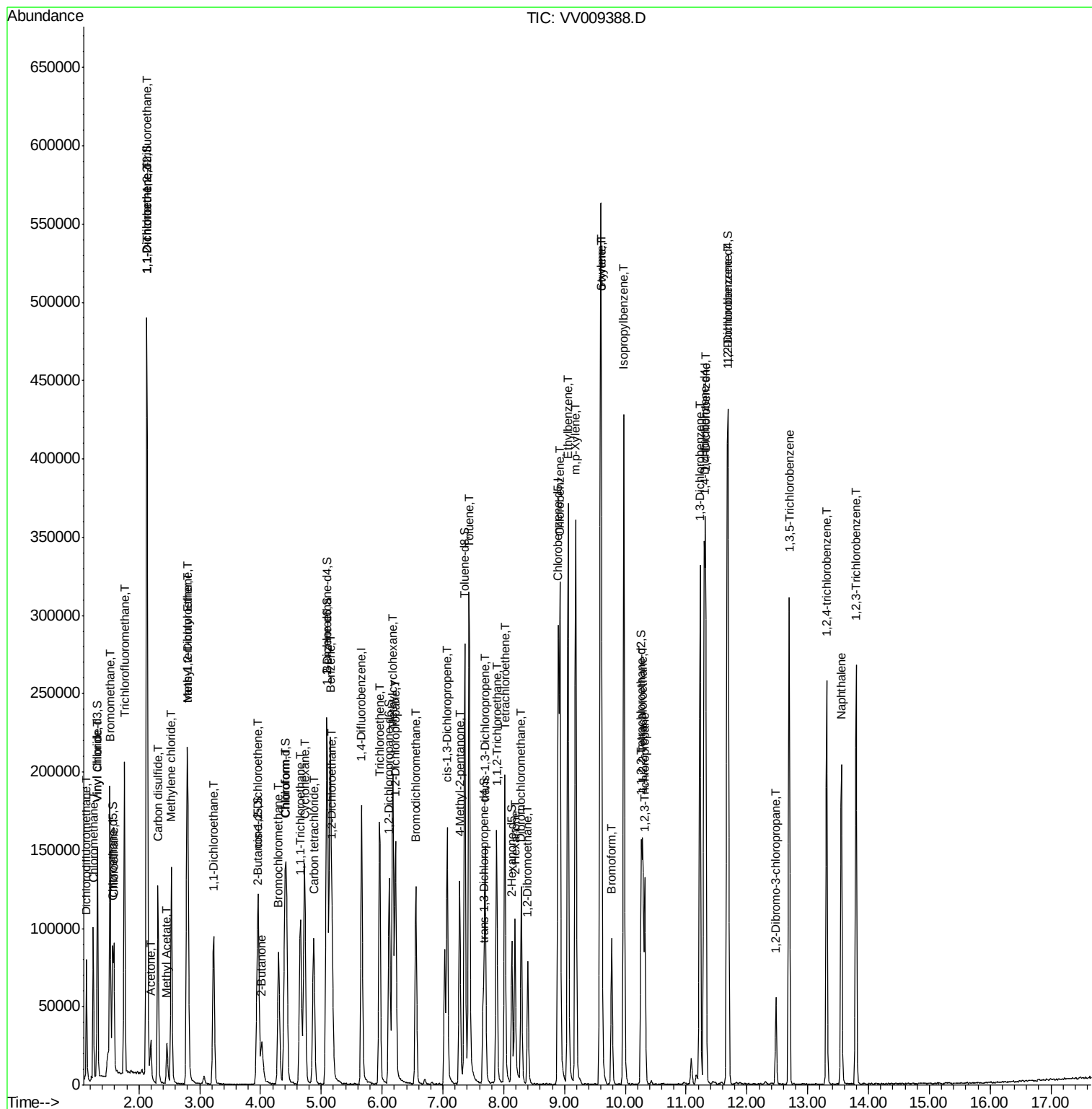
(#) = qualifier out of range (m) = manual integration (+) = signals summed

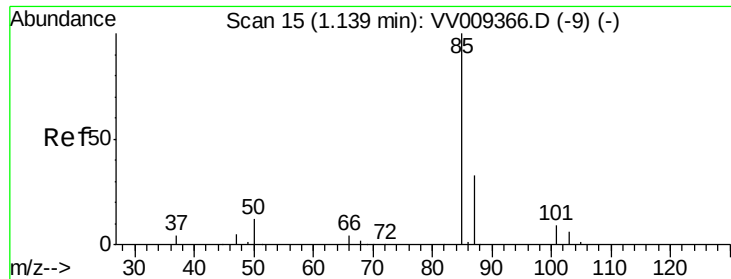
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#2

Dichlorodifluoromethane

Concen: 21.817 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

Instrument :

MSVOA_V

ClientSampleId :

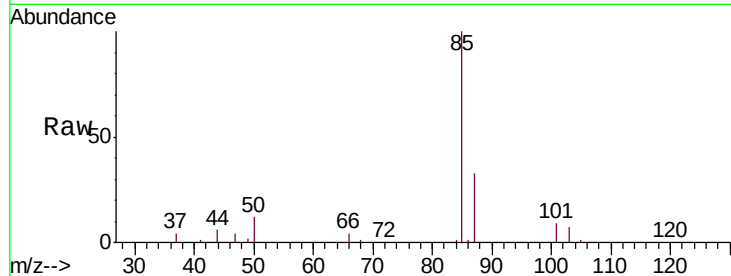
VSTD02588

Tgt Ion: 85 Resp: 42589

Ion Ratio Lower Upper

85 100

87 33.2 23.4 43.4

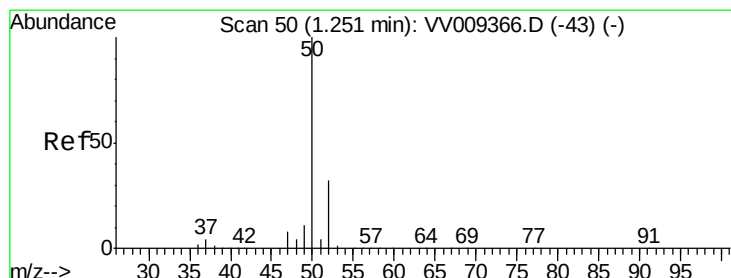
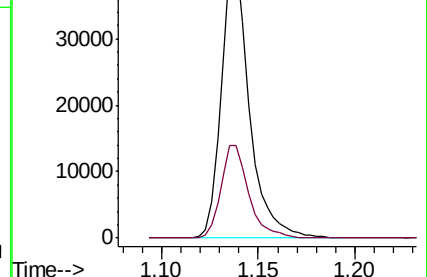
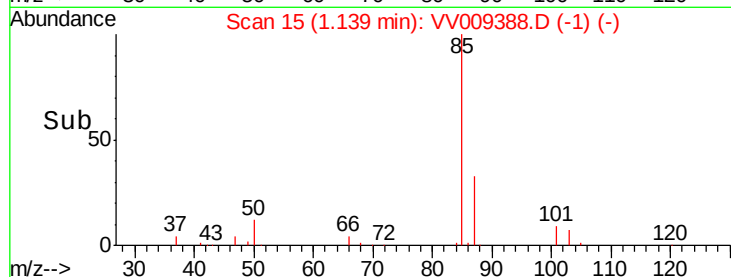


Abundance Ion 85.00 (84.70 to 85.70): VV009366.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009366.D (-9) (-)

1.14

Time-->



#3

Chloromethane

Concen: 25.229 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009388.D

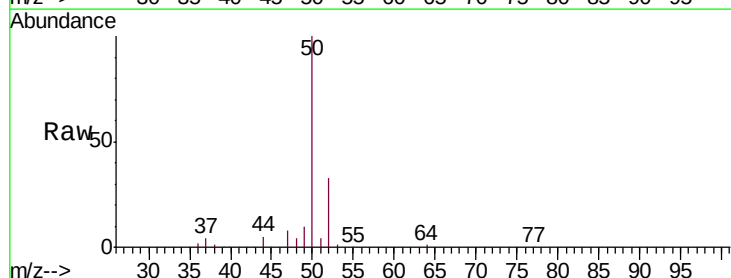
Acq: 27 Feb 2019 00:46

Tgt Ion: 50 Resp: 52276

Ion Ratio Lower Upper

50 100

52 33.3 23.1 42.9

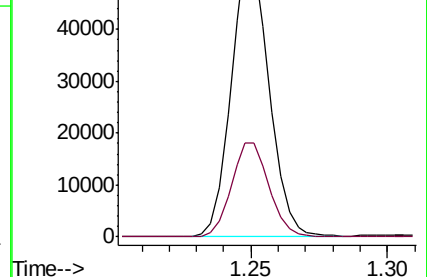
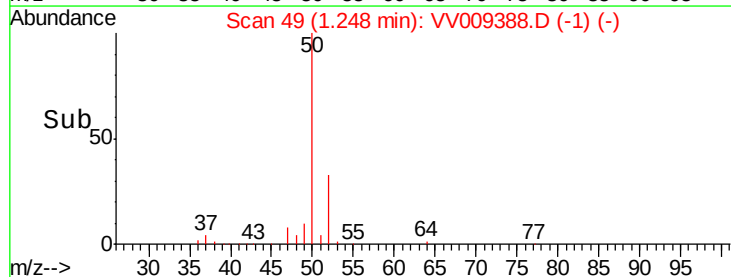


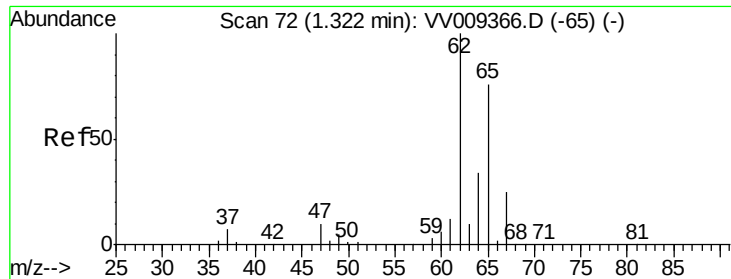
Abundance Ion 50.00 (49.70 to 50.70): VV009366.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009366.D (-43) (-)

1.25

Time-->





#5

Vinyl chloride

Concen: 22.653 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

Instrument :

MSVOA_V

ClientSampleId :

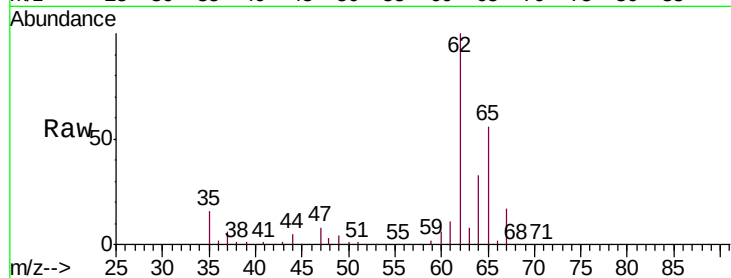
VSTD02588

Tgt Ion: 62 Resp: 52148

Ion Ratio Lower Upper

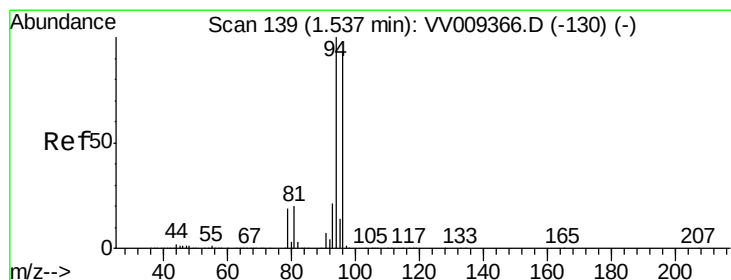
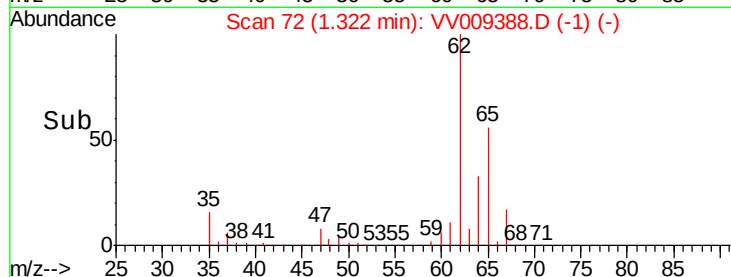
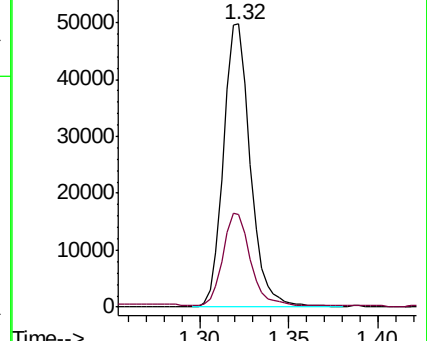
62 100

64 32.6 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 22.874 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.01 min

Lab File: VV009388.D

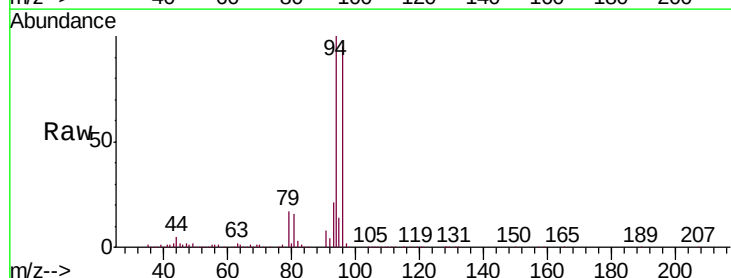
Acq: 27 Feb 2019 00:46

Tgt Ion: 94 Resp: 56633

Ion Ratio Lower Upper

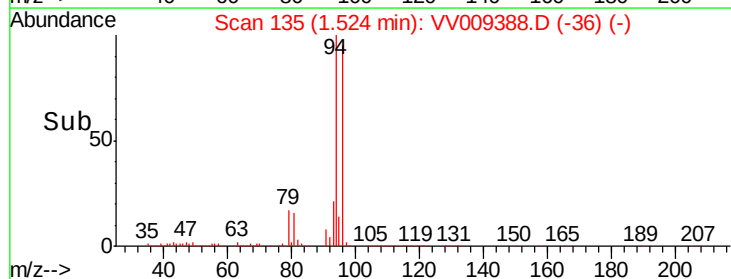
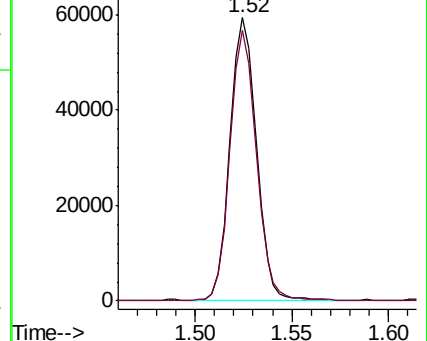
94 100

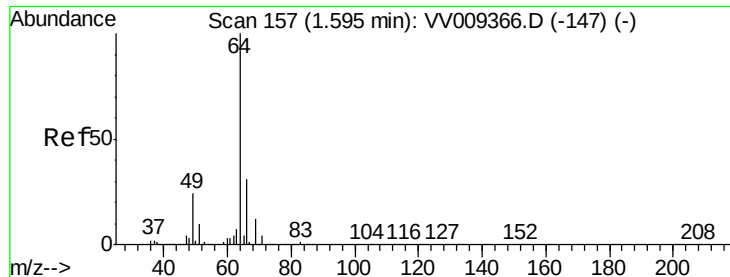
96 95.1 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 19.876 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.01 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

Instrument :

MSVOA_V

ClientSampleId :

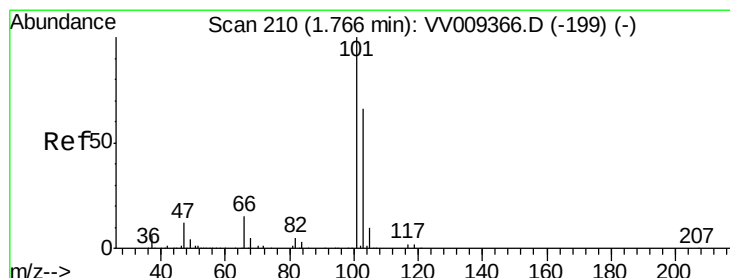
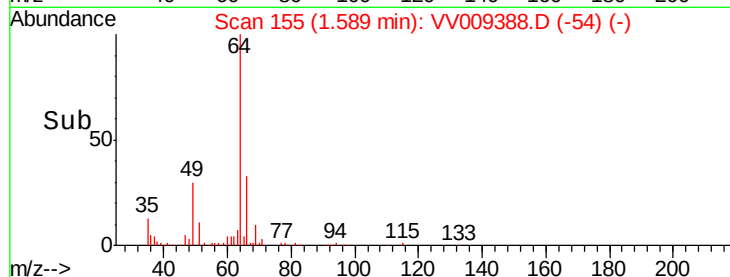
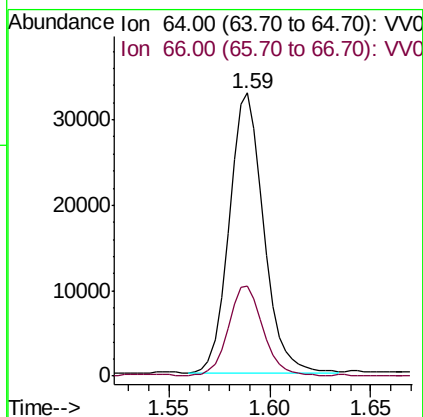
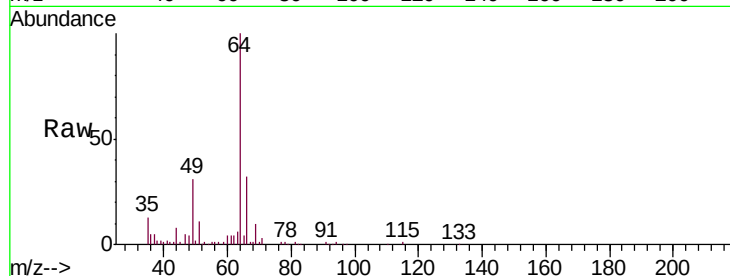
VSTD02588

Tgt Ion: 64 Resp: 39015

Ion Ratio Lower Upper

64 100

66 32.0 21.8 40.6



#9

Trichlorofluoromethane

Concen: 23.326 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009388.D

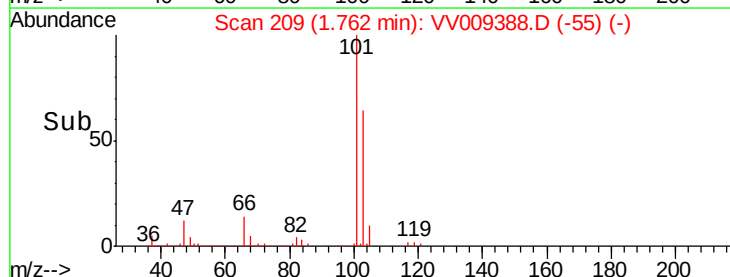
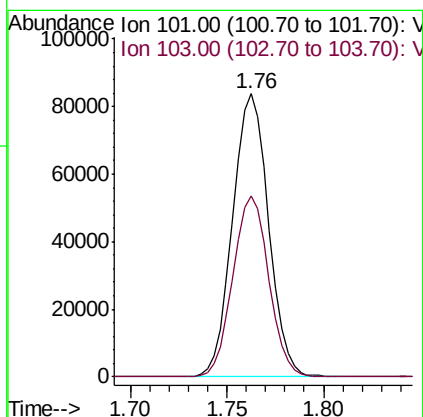
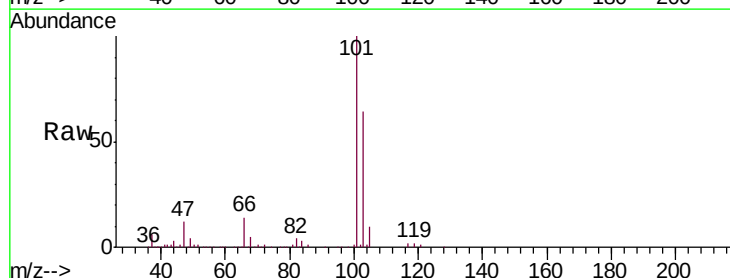
Acq: 27 Feb 2019 00:46

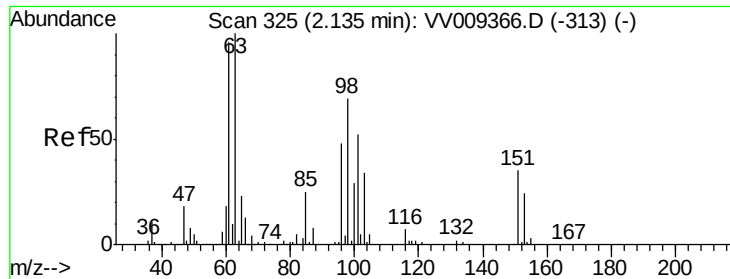
Tgt Ion: 101 Resp: 108279

Ion Ratio Lower Upper

101 100

103 63.9 44.7 83.1





#11

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

Concen: 22.643 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02588

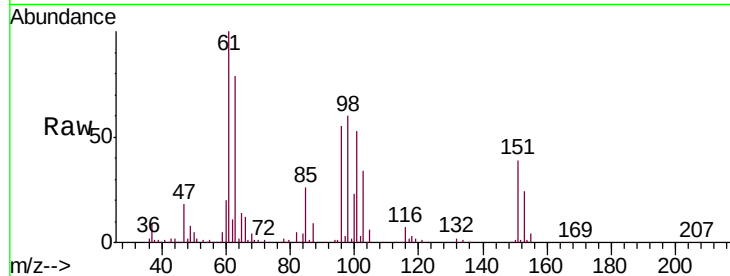
Tgt Ion: 101 Resp: 58320

Ion Ratio Lower Upper

101 100

85 49.8 40.1 60.1

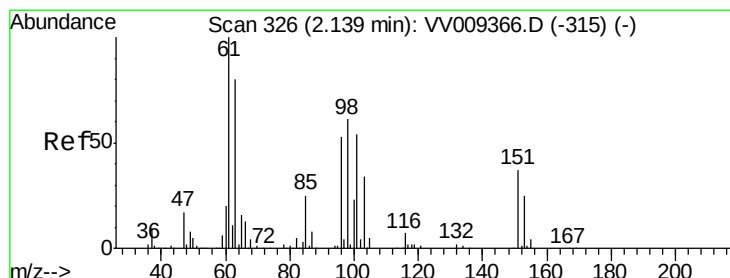
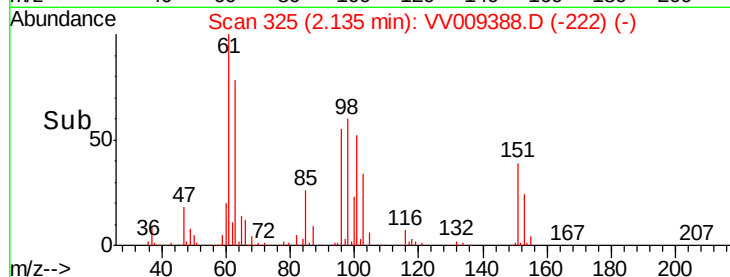
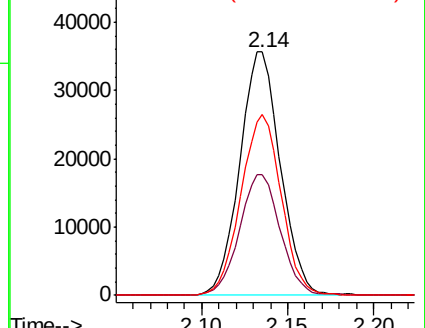
151 73.8 55.9 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV009388.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV009388.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV009388.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 23.418 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

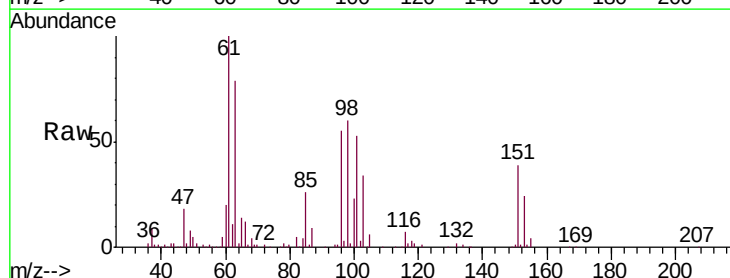
Tgt Ion: 96 Resp: 51862

Ion Ratio Lower Upper

96 100

61 183.2 136.9 254.3

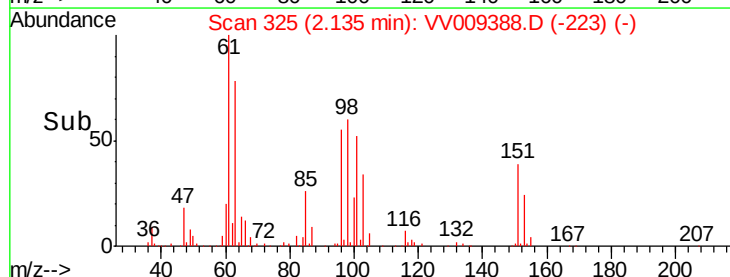
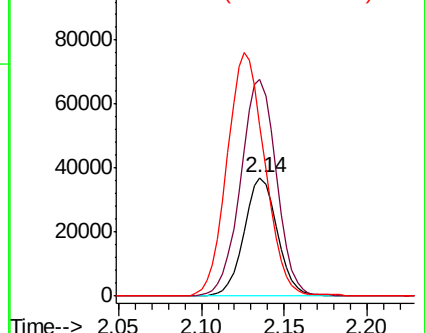
63 144.1 108.7 201.9

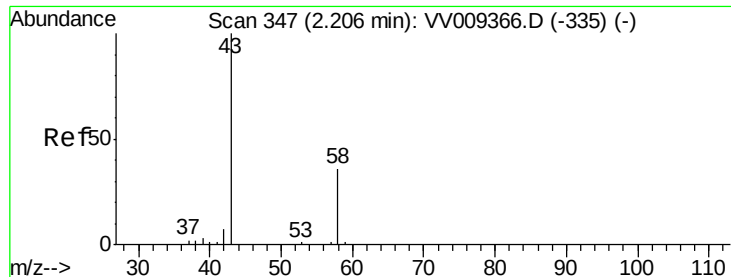


Abundance Ion 96.00 (95.70 to 96.70): VV009388.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV009388.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV009388.D (-223) (-)





#13

Acetone

Concen: 39.609 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.01 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

Instrument :

MSVOA_V

ClientSampleId :

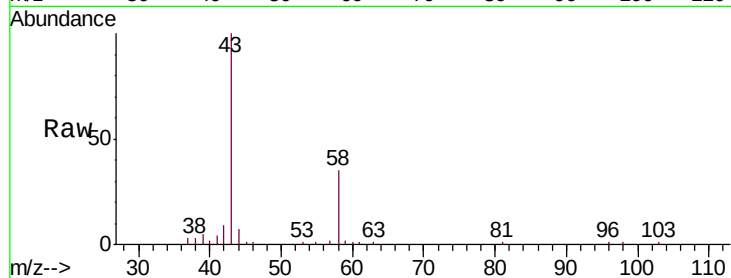
VSTD02588

Tgt Ion: 43 Resp: 26470

Ion Ratio Lower Upper

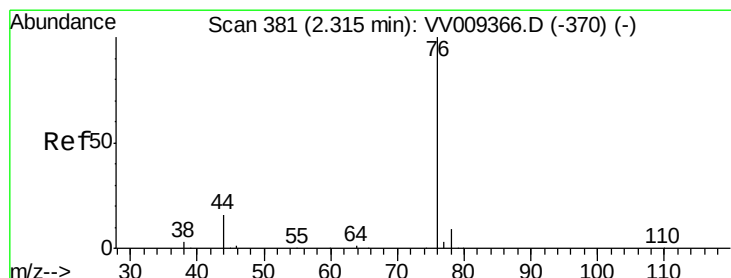
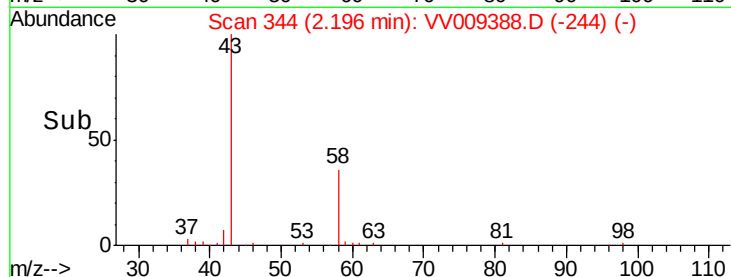
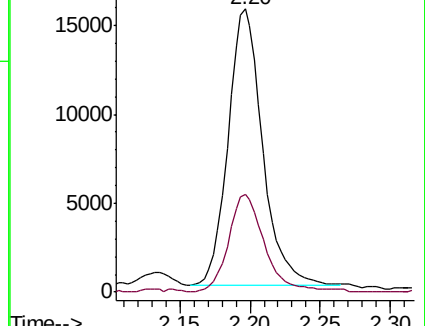
43 100

58 36.9 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009366.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VV009366.D (-335) (-)



#14

Carbon disulfide

Concen: 24.384 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009388.D

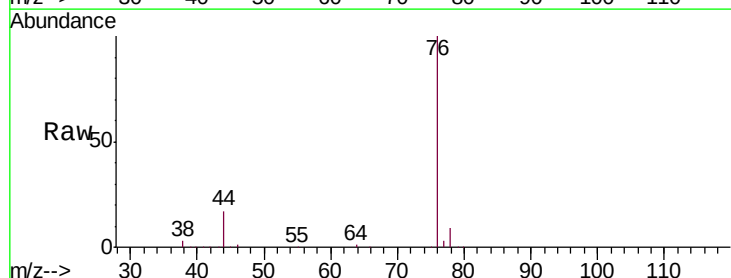
Acq: 27 Feb 2019 00:46

Tgt Ion: 76 Resp: 140308

Ion Ratio Lower Upper

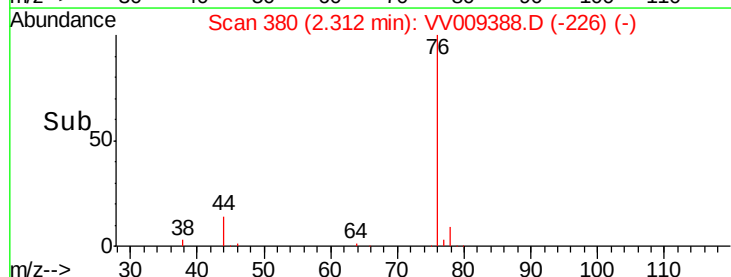
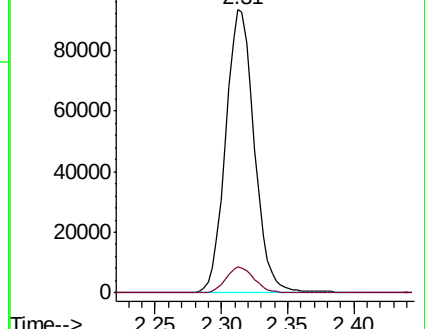
76 100

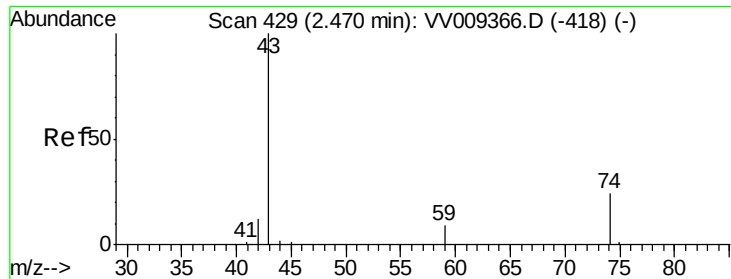
78 9.0 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009366.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV009366.D (-370) (-)





#15

Methyl Acetate

Concen: 32.418 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.01 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

Instrument :

MSVOA_V

ClientSampleId :

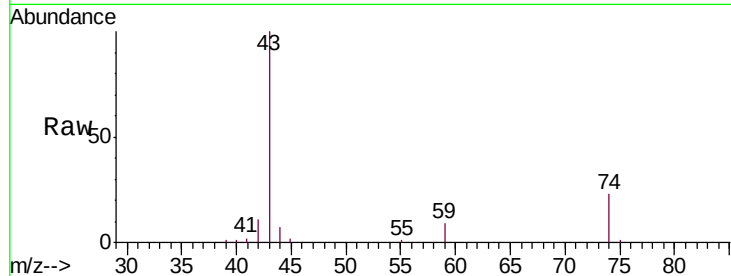
VSTD02588

Tgt Ion: 43 Resp: 28626

Ion Ratio Lower Upper

43 100

74 24.3 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) (-)

20000

15000

10000

5000

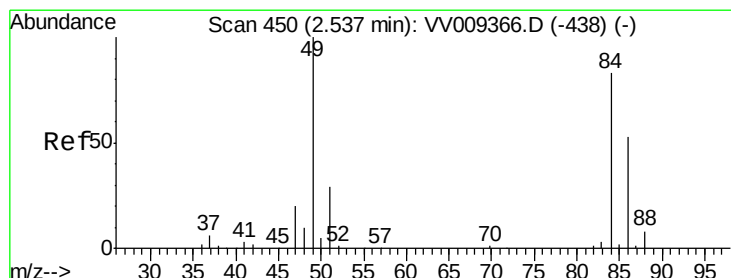
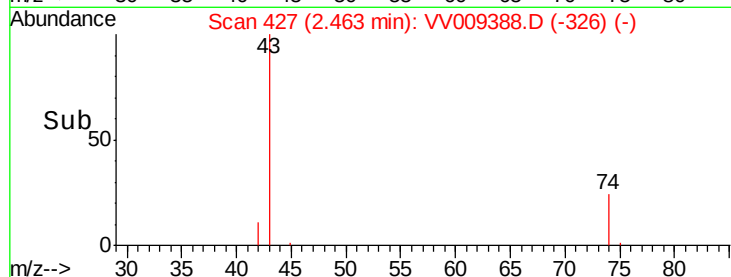
0

2.40

2.45

2.50

Time-->



#16

Methylene chloride

Concen: 27.076 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

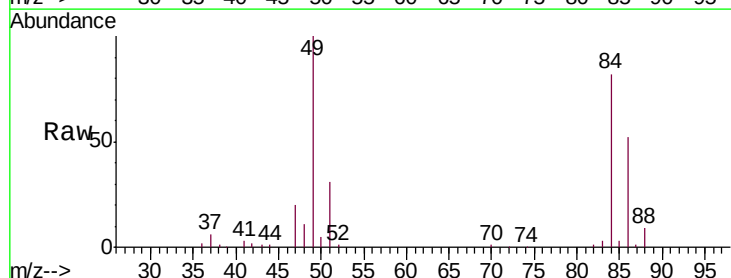
Tgt Ion: 84 Resp: 56557

Ion Ratio Lower Upper

84 100

49 122.4 84.6 157.0

86 63.5 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) (-)

50000

40000

30000

20000

10000

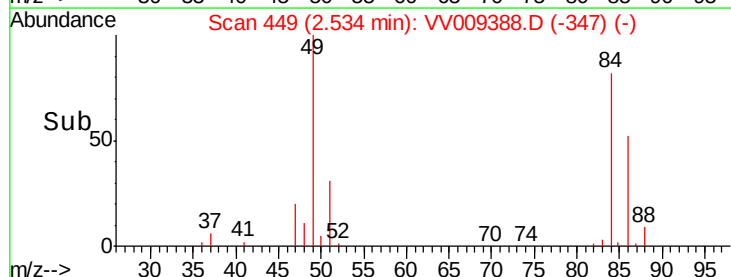
0

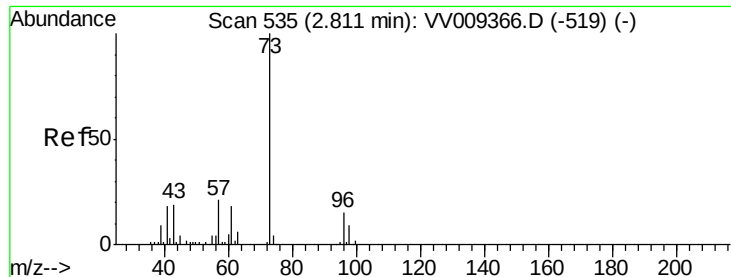
2.50

2.55

2.60

Time-->

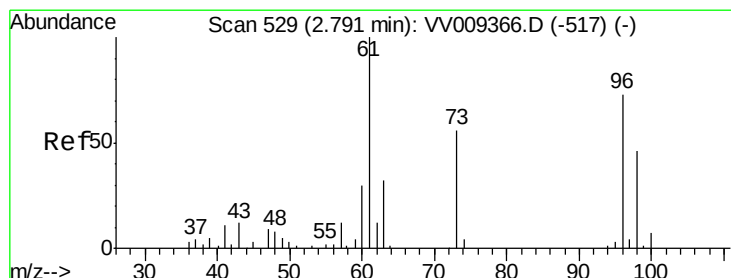
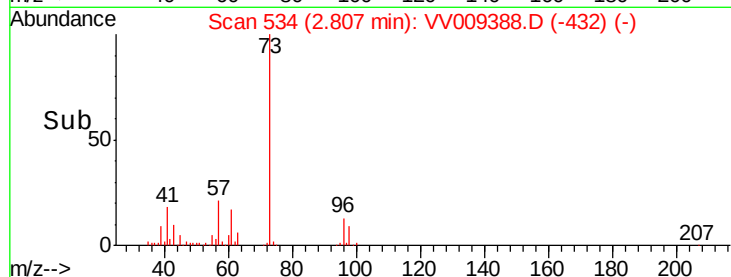
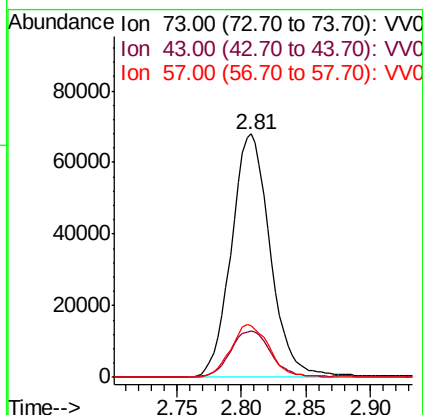
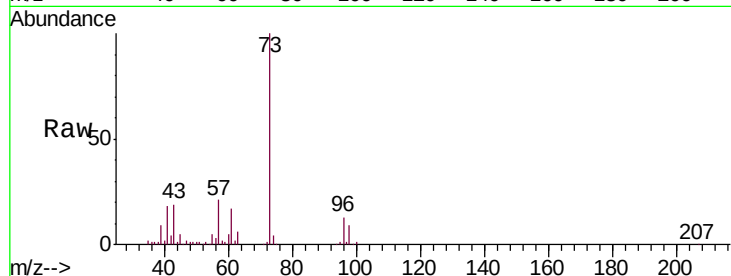




#17
Methyl tert-butyl Ether
Concen: 29.491 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV009388.D
Acq: 27 Feb 2019 00:46

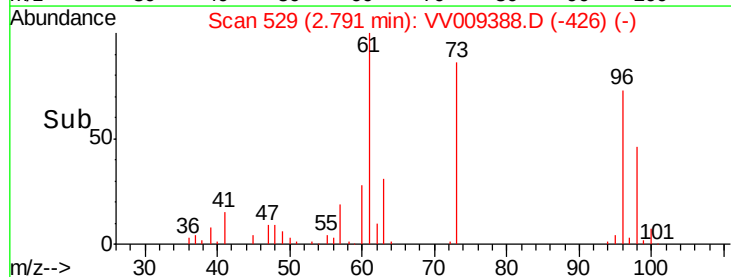
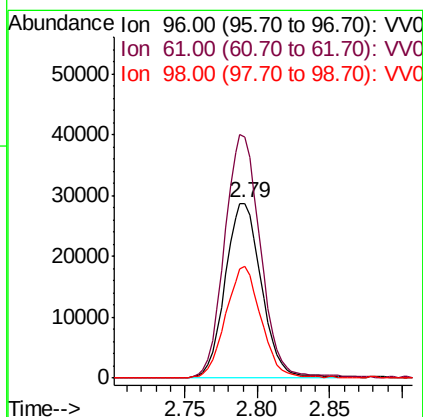
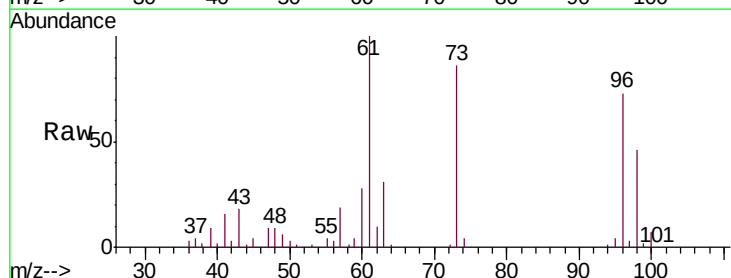
Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

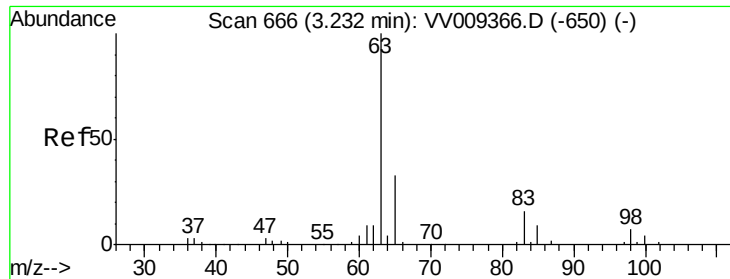
Tgt Ion: 73 Resp: 142119
Ion Ratio Lower Upper
73 100
43 19.4 15.0 22.4
57 21.9 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 25.949 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV009388.D
Acq: 27 Feb 2019 00:46

Tgt Ion: 96 Resp: 49948
Ion Ratio Lower Upper
96 100
61 137.7 95.6 177.6
98 63.8 44.0 81.6

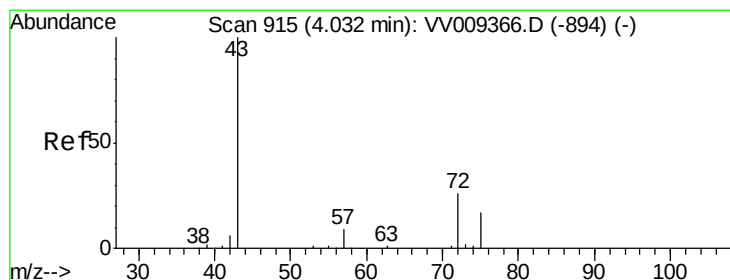
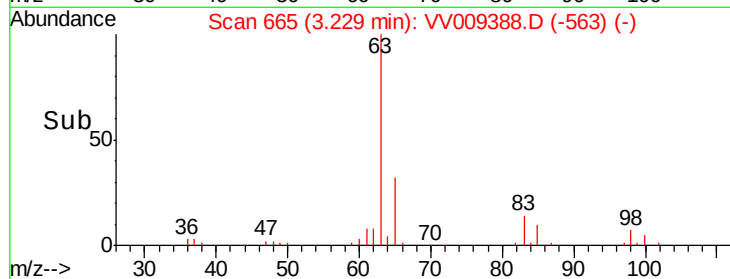
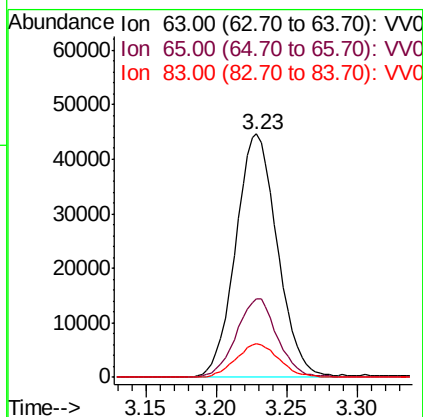
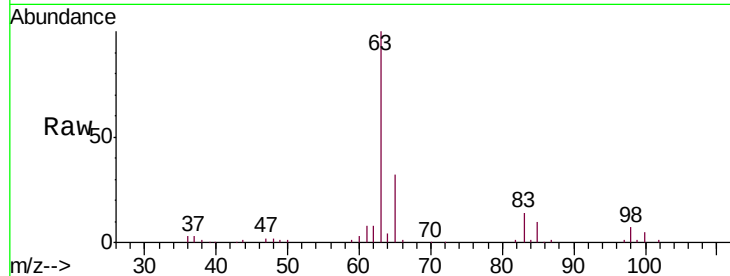




#19
 1,1-Dichloroethane
 Concen: 27.044 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

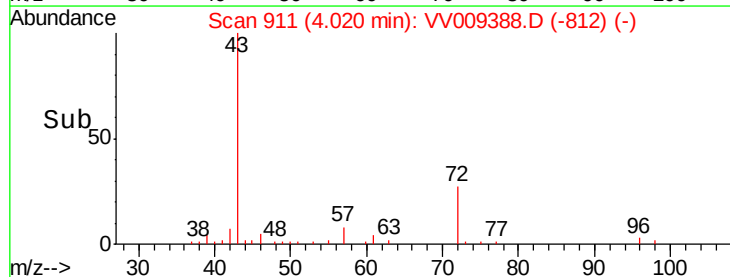
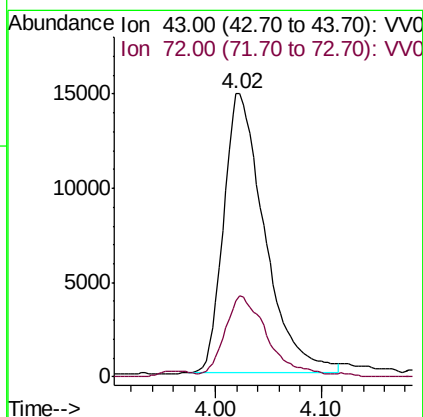
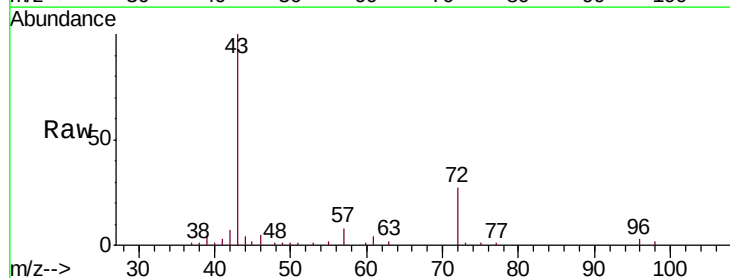
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

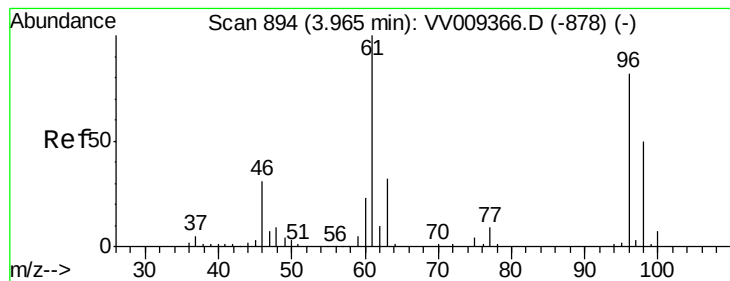
Tgt Ion: 63 Resp: 92476
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.1 41.1
 83 14.0 10.2 19.0



#21
 2-Butanone
 Concen: 48.222 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

Tgt Ion: 43 Resp: 40159
 Ion Ratio Lower Upper
 43 100
 72 28.5 13.7 41.0



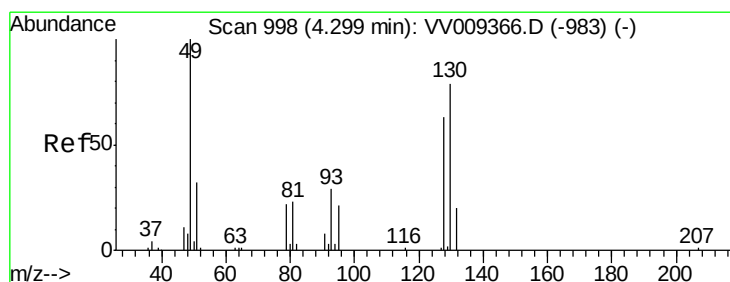
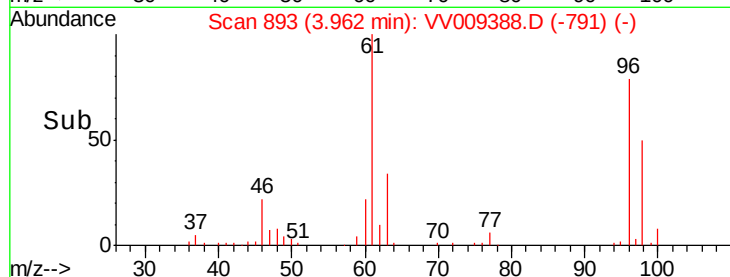
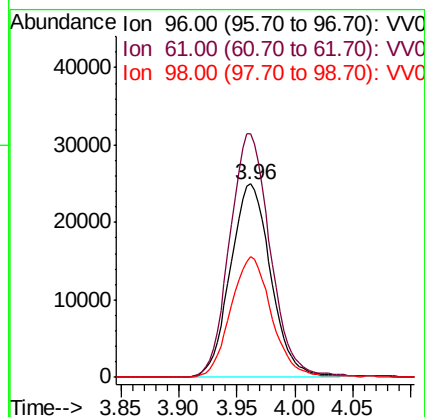
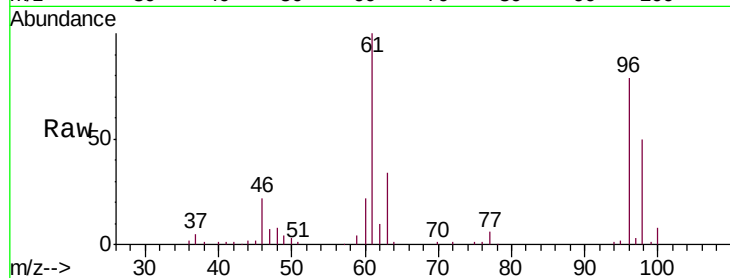


#22

cis-1,2-Dichloroethene
 Concen: 27.992 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

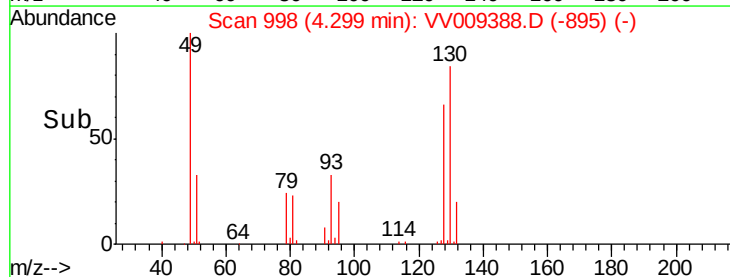
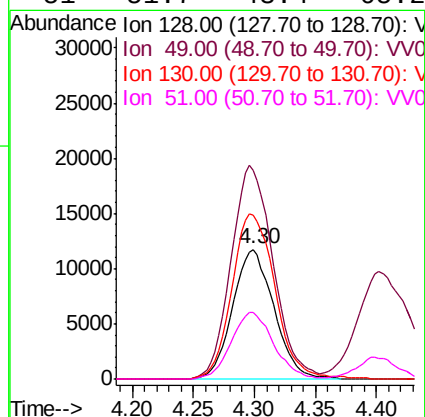
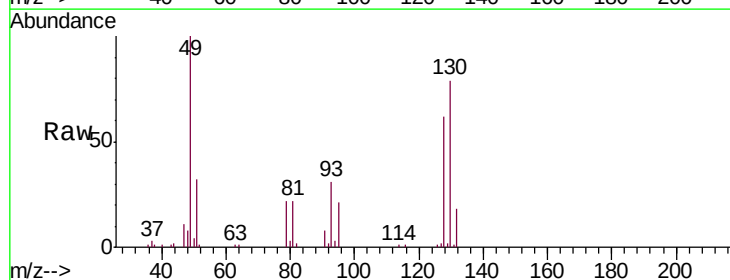
Tgt Ion: 96 Resp: 60578
 Ion Ratio Lower Upper
 96 100
 61 126.0 87.2 161.9
 98 62.5 44.6 82.8

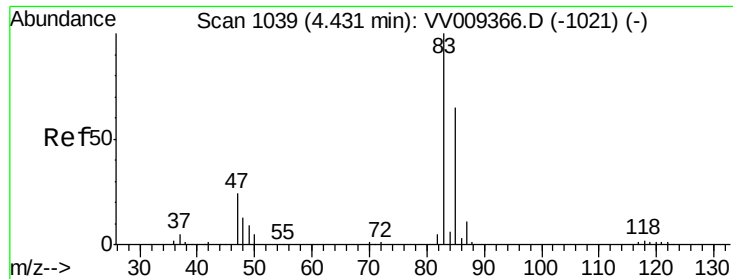


#23

Bromochloromethane
 Concen: 28.422 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

Tgt Ion: 128 Resp: 27603
 Ion Ratio Lower Upper
 128 100
 49 161.3 115.5 214.5
 130 126.8 92.6 172.0
 51 51.7 43.4 65.2

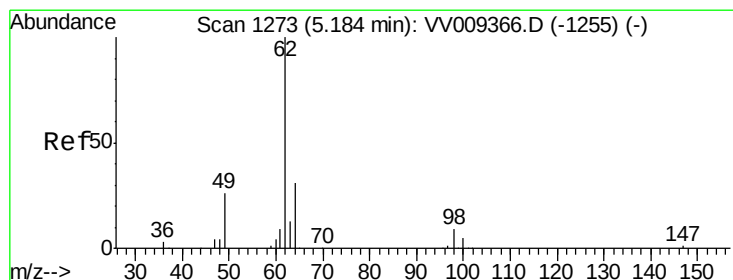
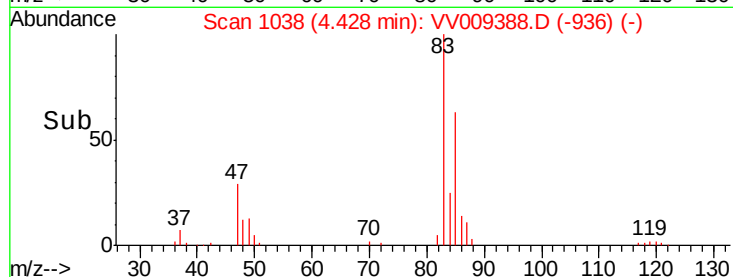
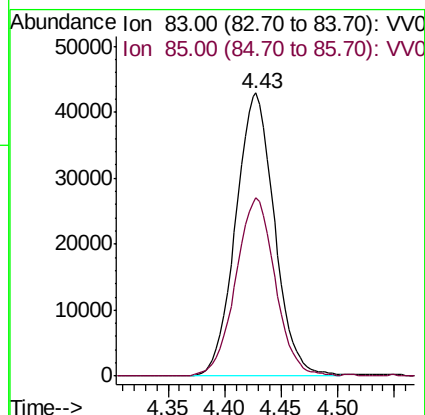
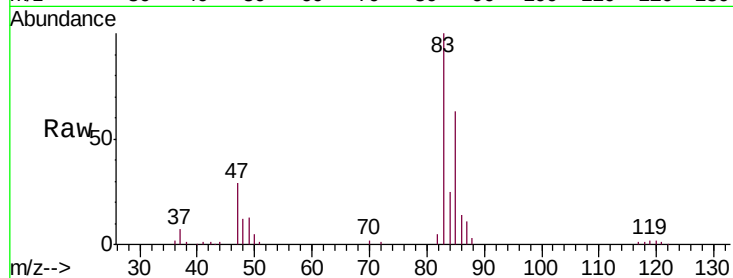




#25
Chloroform
Concen: 27.535 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009388.D
Acq: 27 Feb 2019 00:46

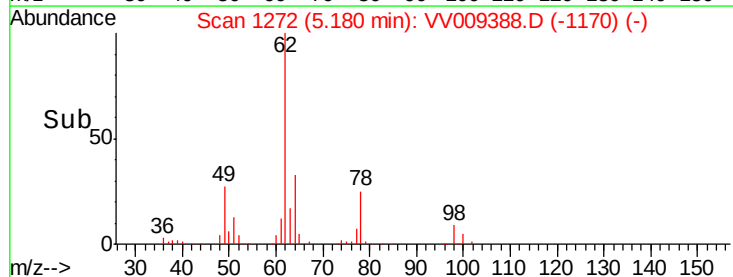
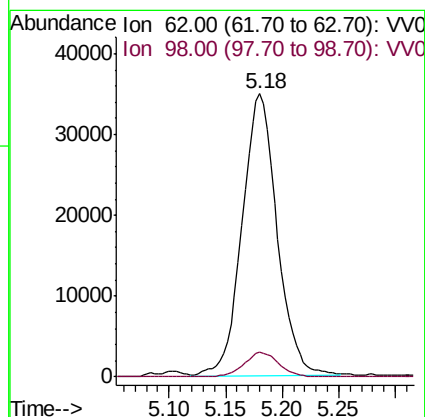
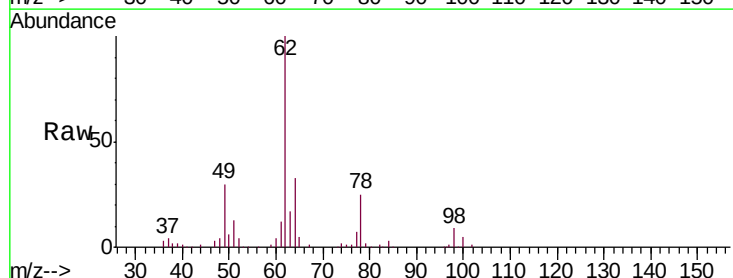
Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

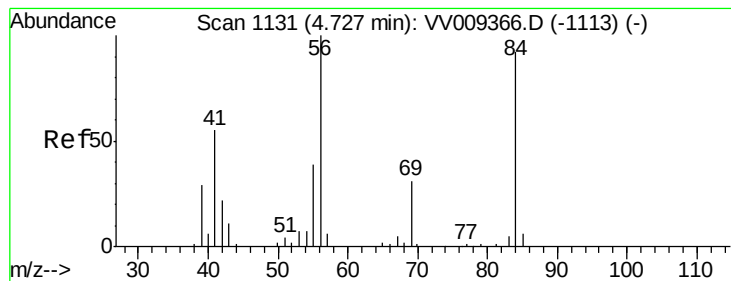
Tgt Ion: 83 Resp: 102465
Ion Ratio Lower Upper
83 100
85 64.2 45.4 84.2



#27
1,2-Dichloroethane
Concen: 29.153 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009388.D
Acq: 27 Feb 2019 00:46

Tgt Ion: 62 Resp: 75044
Ion Ratio Lower Upper
62 100
98 8.8 6.6 10.0





#30

Cyclohexane

Concen: 21.362 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02588

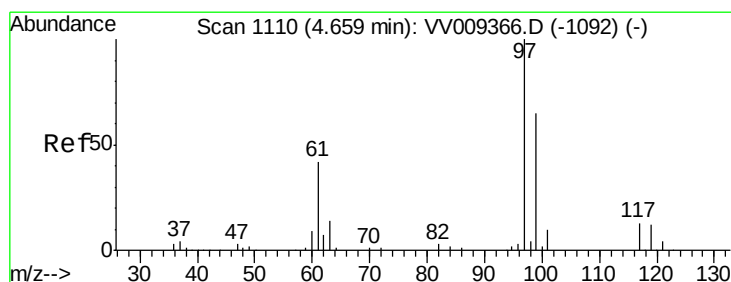
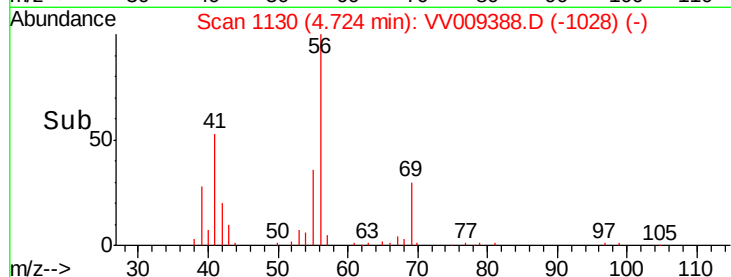
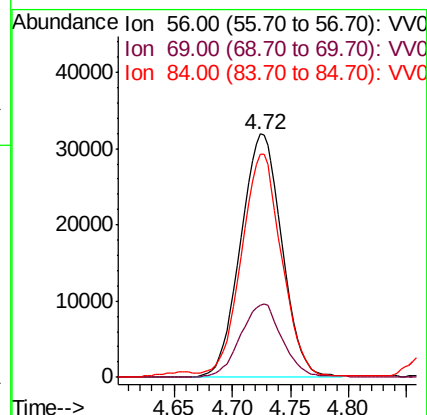
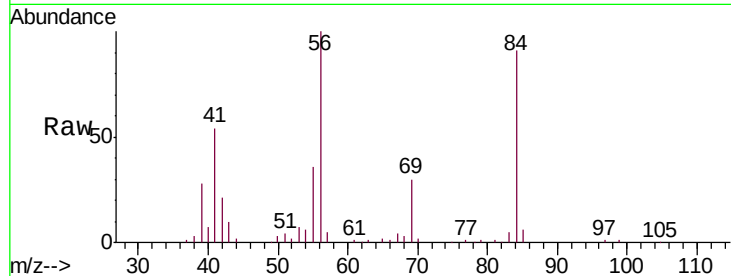
Tgt Ion: 56 Resp: 79174

Ion Ratio Lower Upper

56 100

69 30.2 24.9 37.3

84 89.9 71.9 107.9



#31

1,1,1-Trichloroethane

Concen: 22.459 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

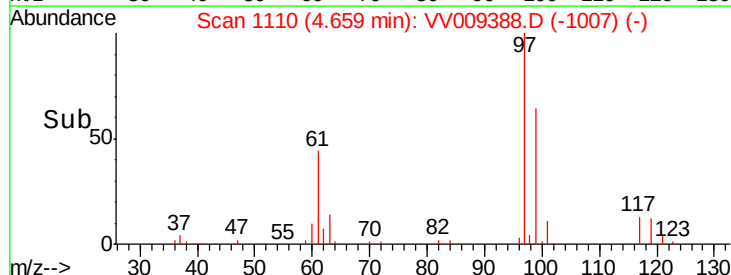
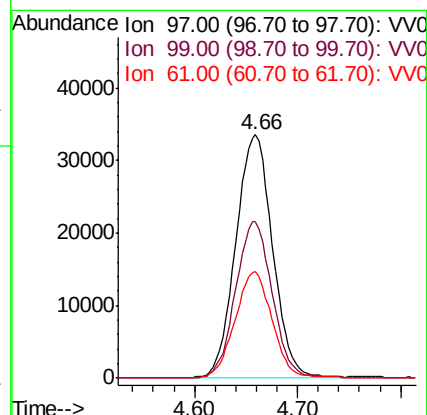
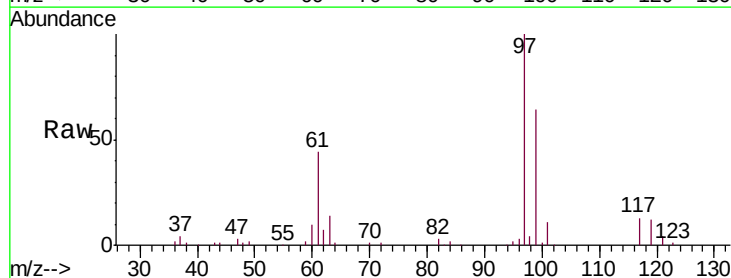
Tgt Ion: 97 Resp: 83457

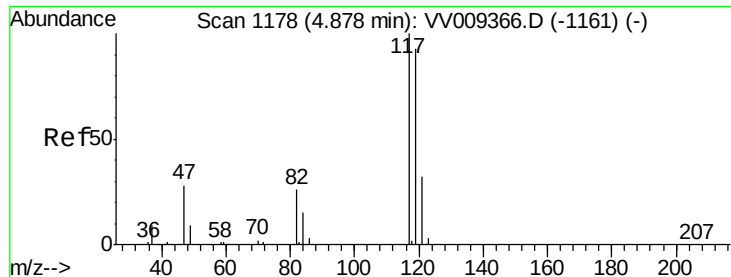
Ion Ratio Lower Upper

97 100

99 63.4 51.0 76.4

61 43.9 36.1 54.1





#32

Carbon tetrachloride

Concen: 20.840 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

Instrument :

MSVOA_V

ClientSampleId :

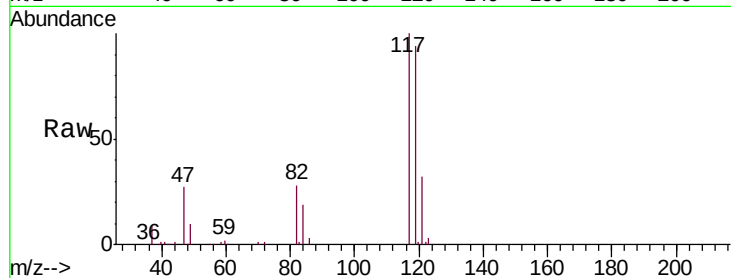
VSTD02588

Tgt Ion:117 Resp: 66046

Ion Ratio Lower Upper

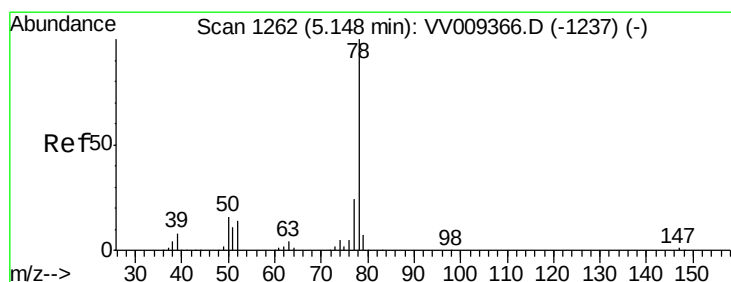
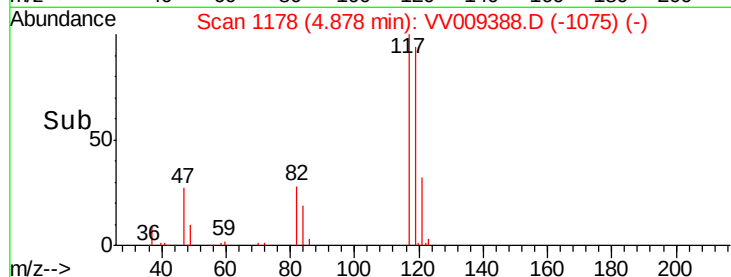
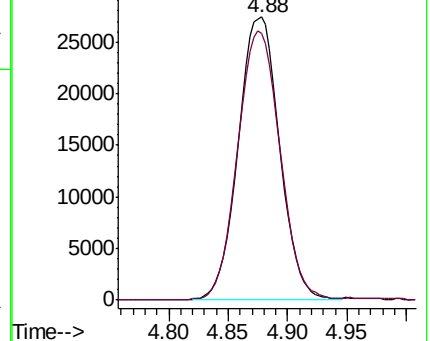
117 100

119 97.3 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.141 ug/L

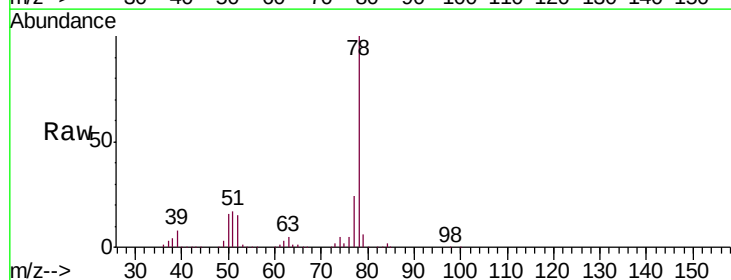
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

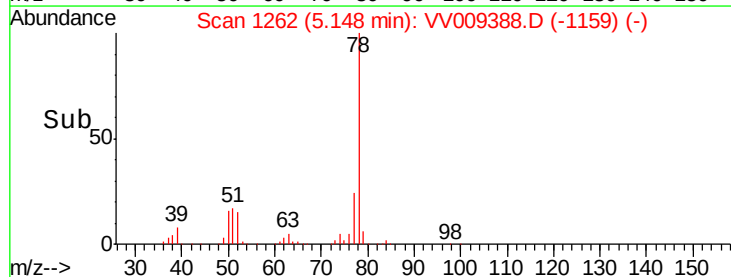
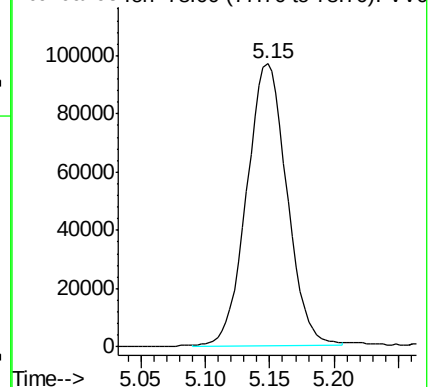
Lab File: VV009388.D

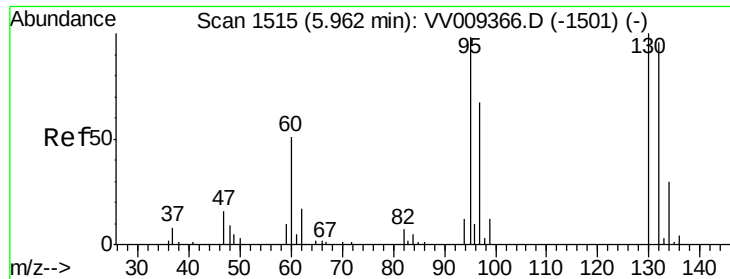
Acq: 27 Feb 2019 00:46

Tgt Ion: 78 Resp: 210596



Abundance Ion 78.00 (77.70 to 78.70): VV0

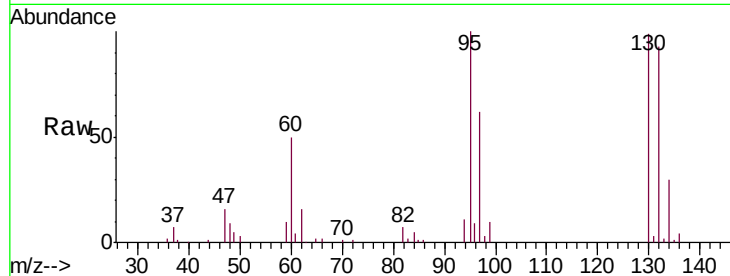




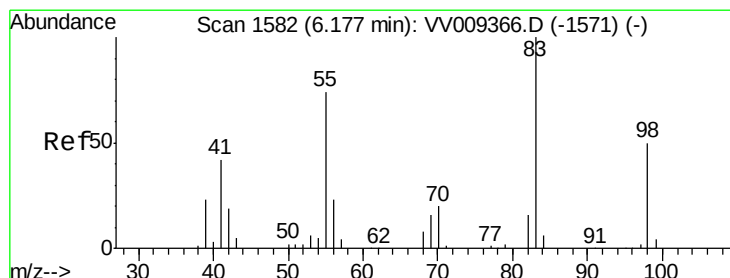
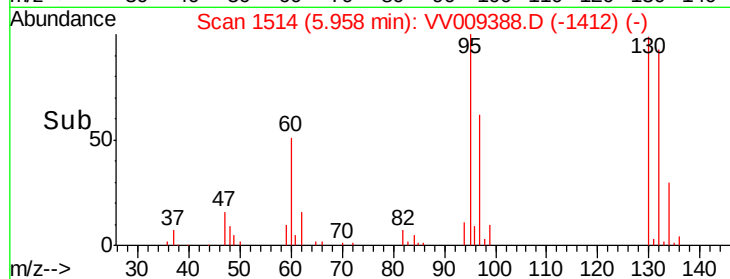
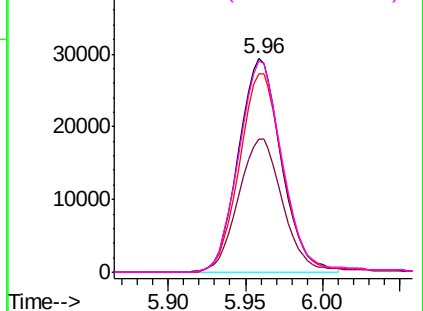
#35
 Trichloroethene
 Concen: 23.431 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

Tgt Ion: 95 Resp: 56581
 Ion Ratio Lower Upper
 95 100
 97 64.7 44.3 82.3
 132 94.1 64.4 119.6
 130 101.7 69.4 128.8

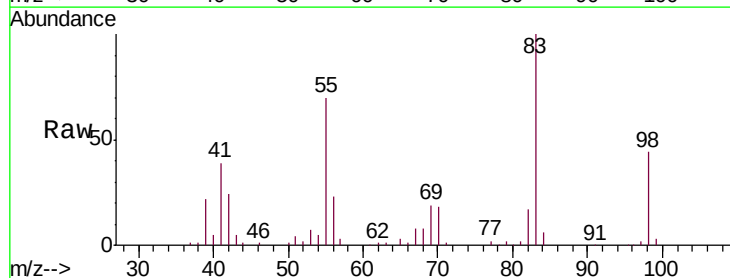


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

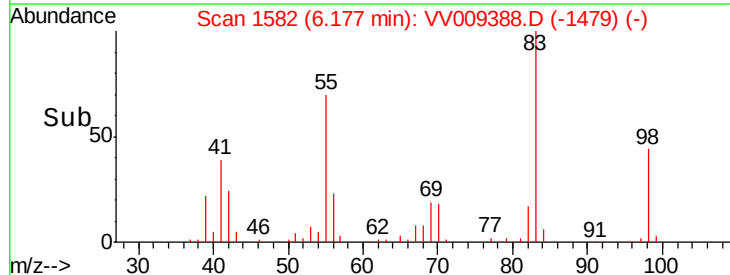
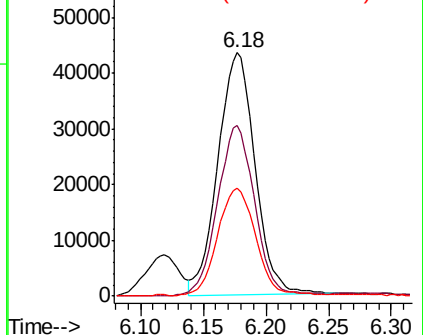


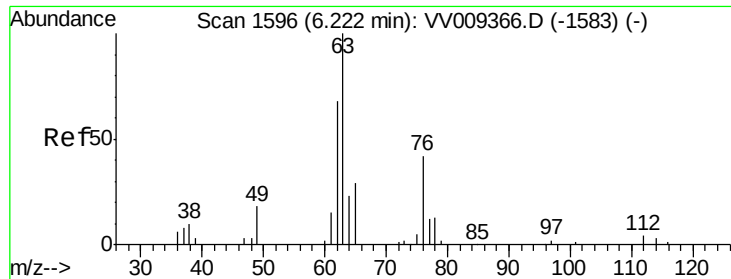
#36
 Methylcyclohexane
 Concen: 21.005 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

Tgt Ion: 83 Resp: 88564
 Ion Ratio Lower Upper
 83 100
 55 71.3 58.8 88.2
 98 45.9 37.7 56.5



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

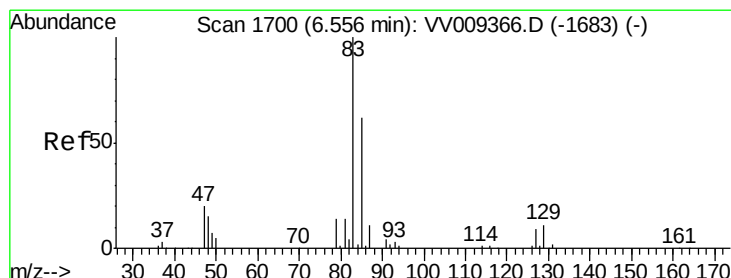
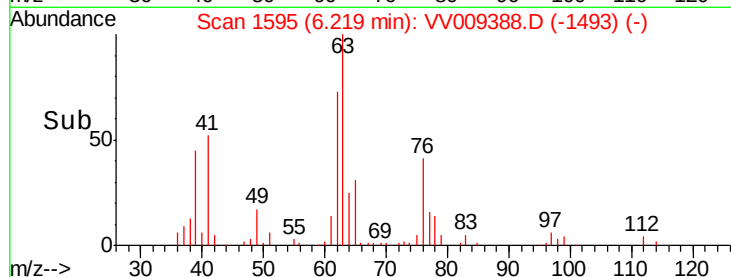
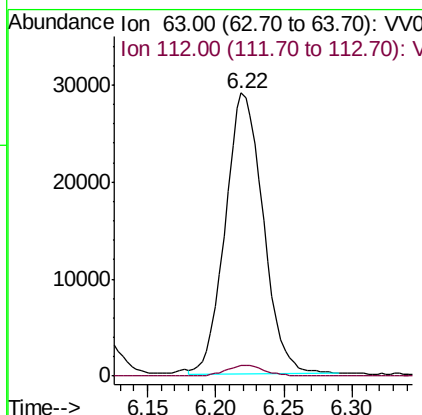
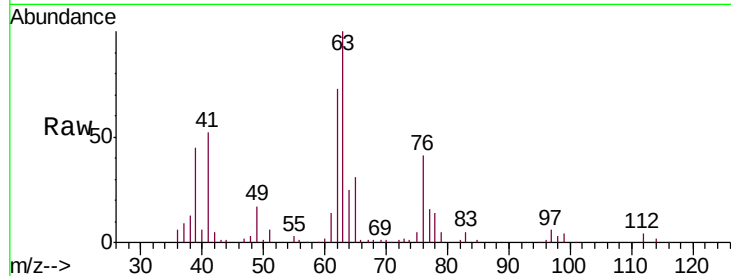




#40
 1,2-Dichloropropane
 Concen: 25.811 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

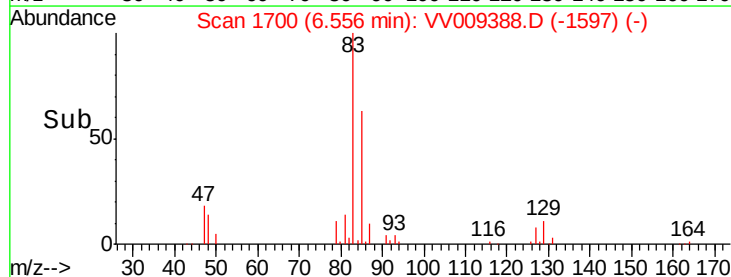
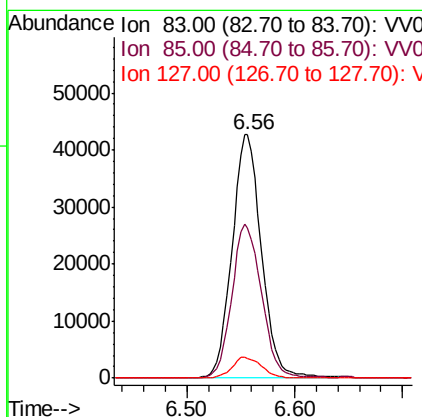
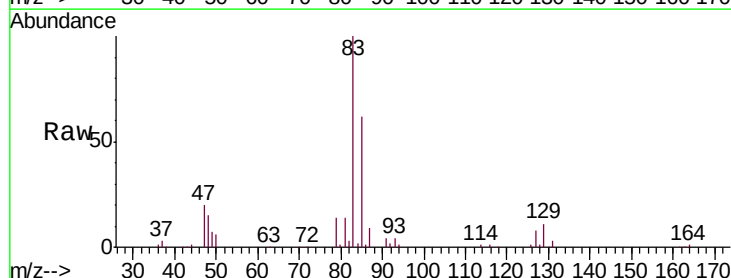
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

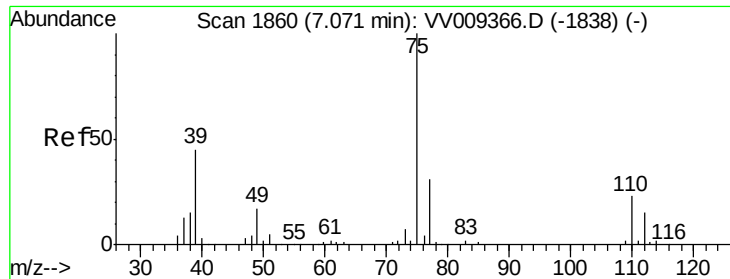
Tgt Ion: 63 Resp: 55937
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#41
 Bromodichloromethane
 Concen: 26.361 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

Tgt Ion: 83 Resp: 81243
 Ion Ratio Lower Upper
 83 100
 85 61.8 46.5 86.3
 127 8.1 7.2 10.8



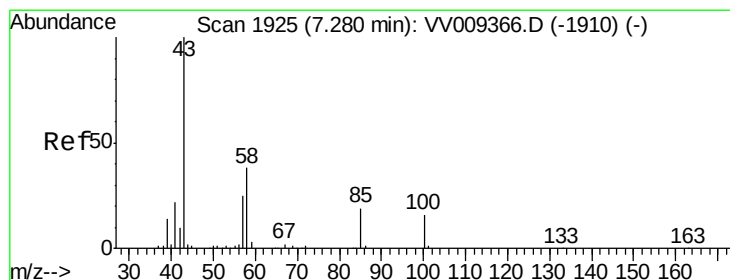
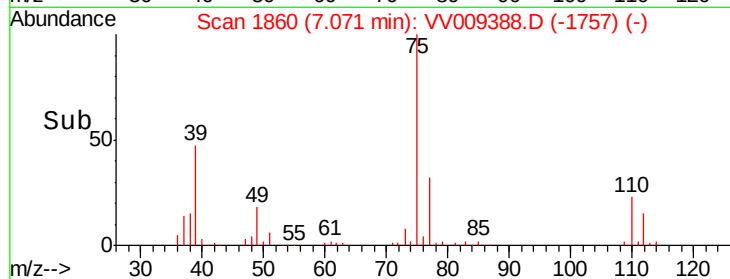
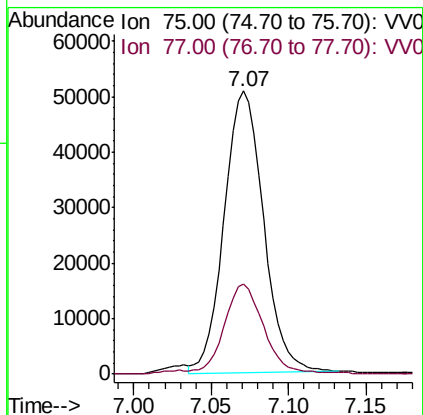
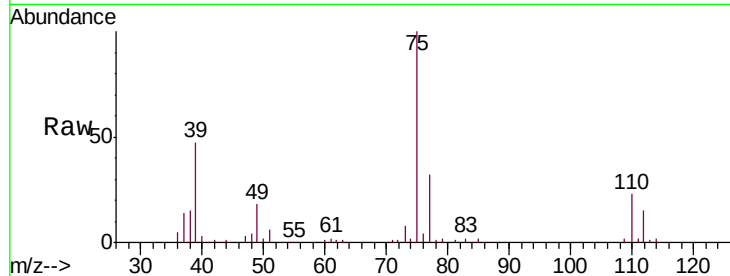


#42

cis-1,3-Dichloropropene
 Concen: 26.031 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

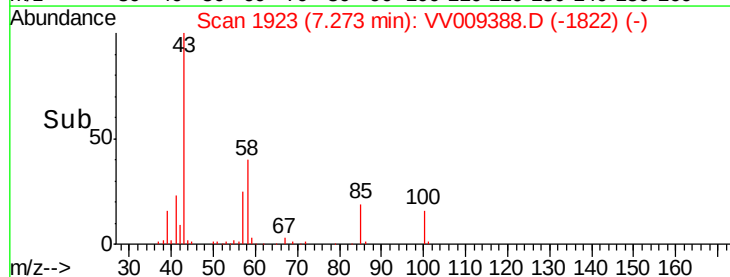
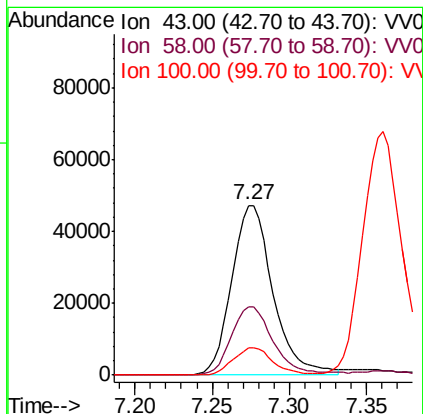
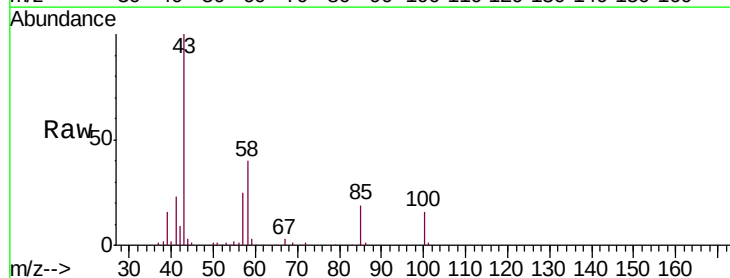
Tgt Ion: 75 Resp: 89639
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.4 39.8

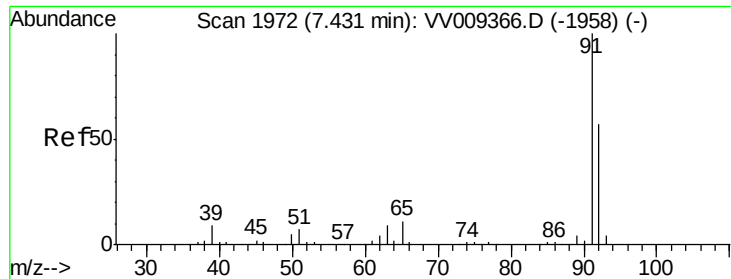


#43

4-Methyl-2-pentanone
 Concen: 56.120 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

Tgt Ion: 43 Resp: 86954
 Ion Ratio Lower Upper
 43 100
 58 41.0 31.9 47.9
 100 15.8 12.8 19.2





#44

Toluene

Concen: 24.937 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

Instrument :

MSVOA_V

ClientSampleId :

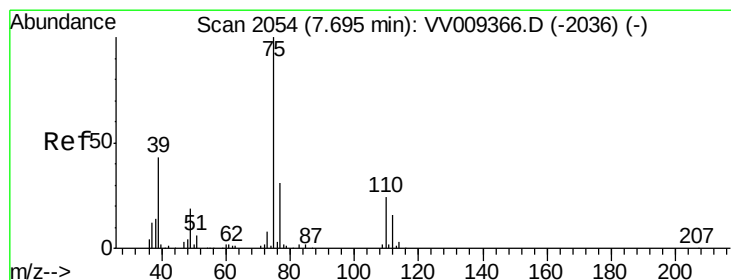
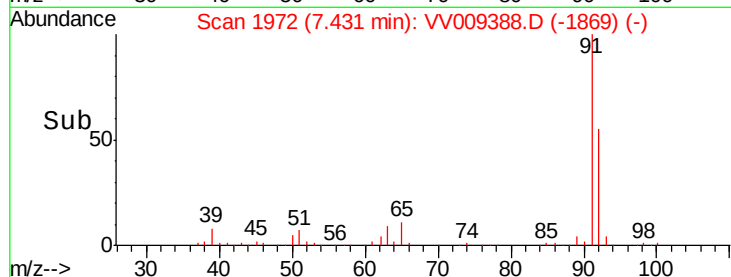
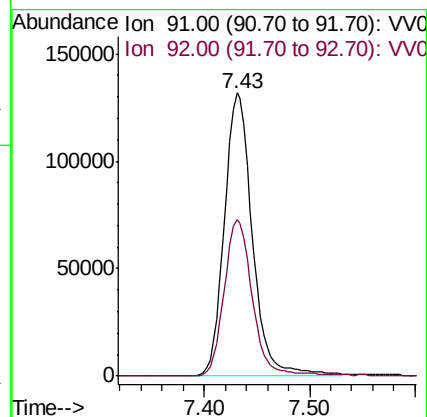
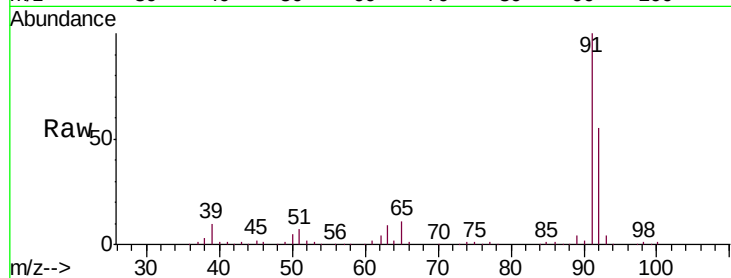
VSTD02588

Tgt Ion: 91 Resp: 243306

Ion Ratio Lower Upper

91 100

92 55.4 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 26.262 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009388.D

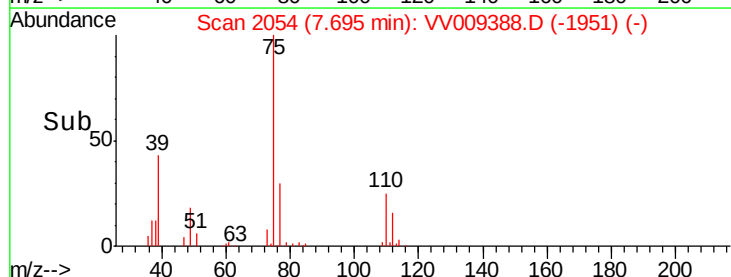
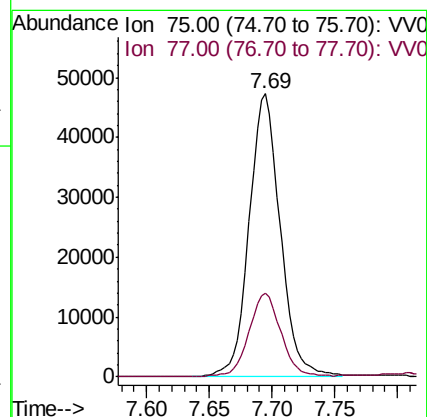
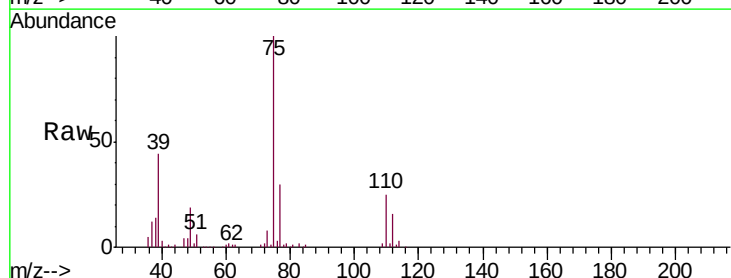
Acq: 27 Feb 2019 00:46

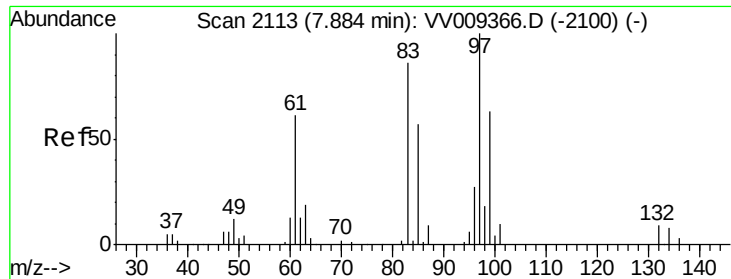
Tgt Ion: 75 Resp: 81988

Ion Ratio Lower Upper

75 100

77 29.5 22.5 41.7

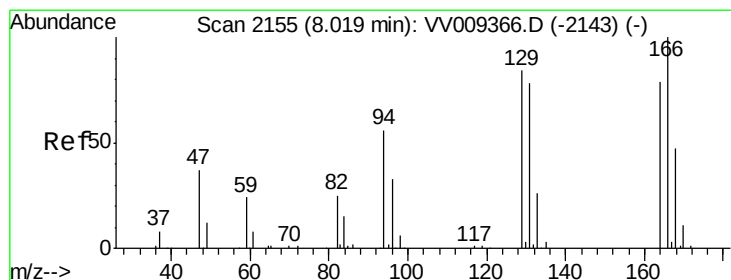
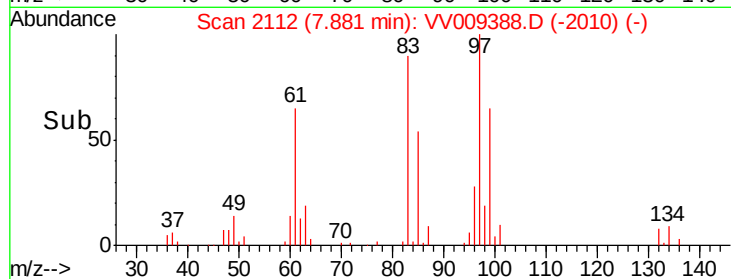
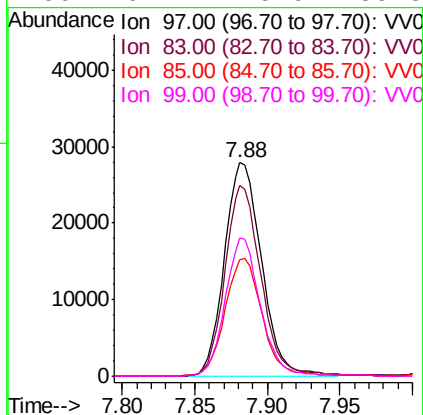
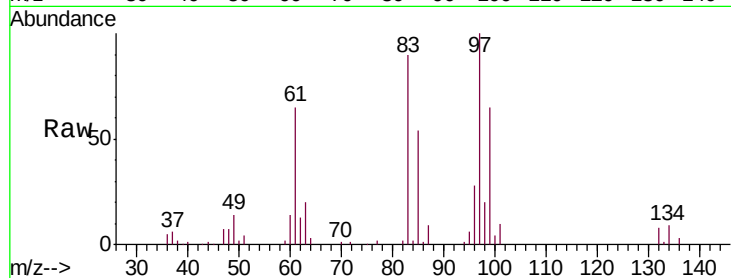




#46
 1,1,2-Trichloroethane
 Concen: 27.679 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

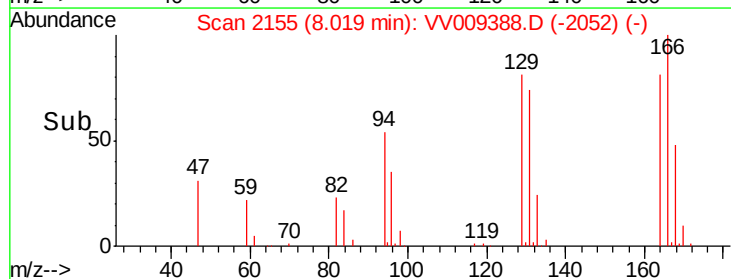
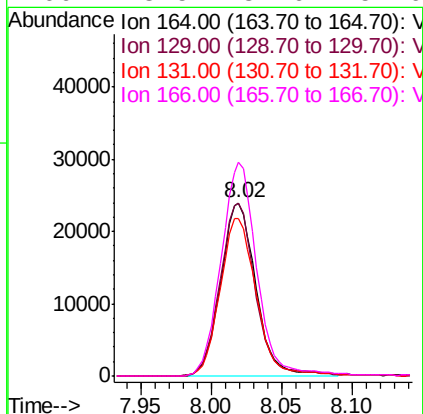
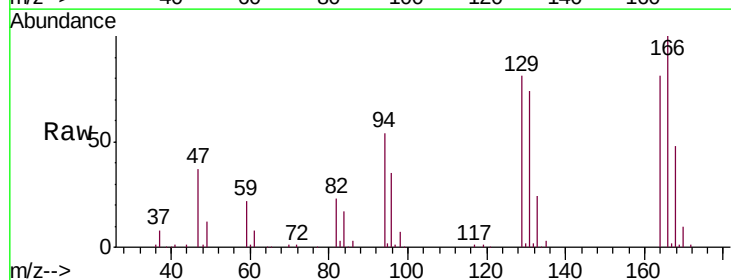
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

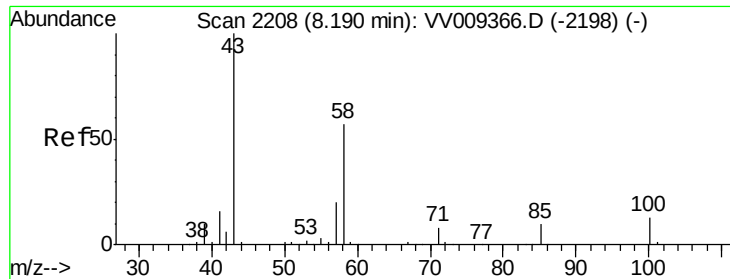
Tgt Ion:	97	Resp:	49549
Ion	Ratio	Lower	Upper
97	100		
83	89.5	63.8	118.6
85	54.4	39.5	73.4
99	64.7	45.9	85.3



#47
 Tetrachloroethene
 Concen: 23.275 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

Tgt Ion:	164	Resp:	41631
Ion	Ratio	Lower	Upper
164	100		
129	100.2	67.7	125.7
131	91.4	67.5	125.3
166	123.5	81.6	151.6

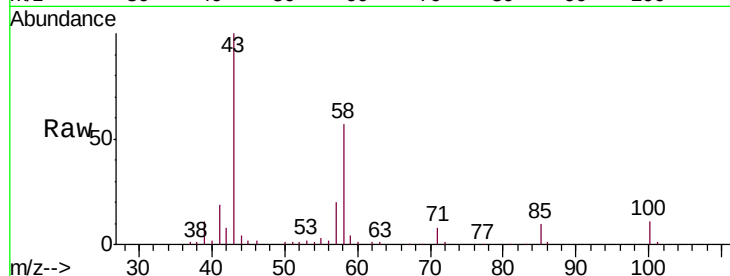




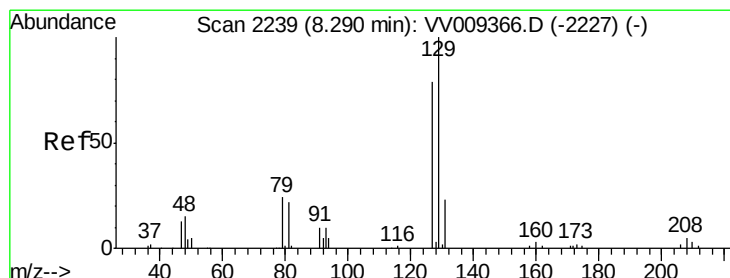
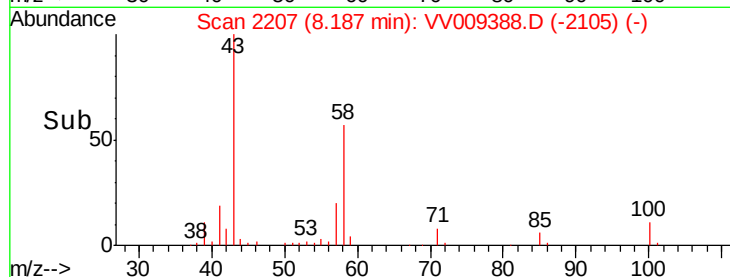
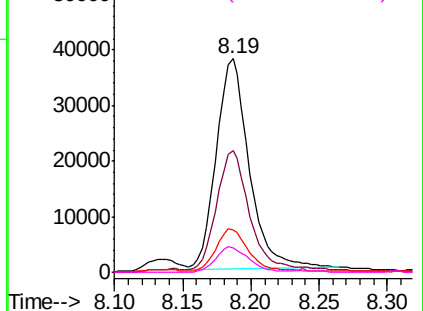
#49
2-Hexanone
Concen: 49.033 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009388.D
Acq: 27 Feb 2019 00:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

Tgt Ion: 43 Resp: 63436
Ion Ratio Lower Upper
43 100
58 57.5 46.3 69.5
57 20.0 15.8 23.6
100 12.0 10.0 15.0

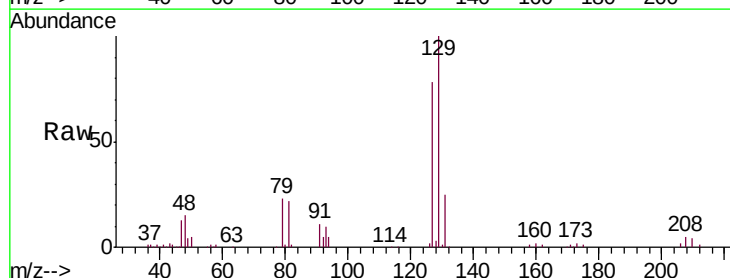


Abundance Ion 43.00 (42.70 to 43.70): VV009388.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV009388.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV009388.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV009388.D (-2105) (-)

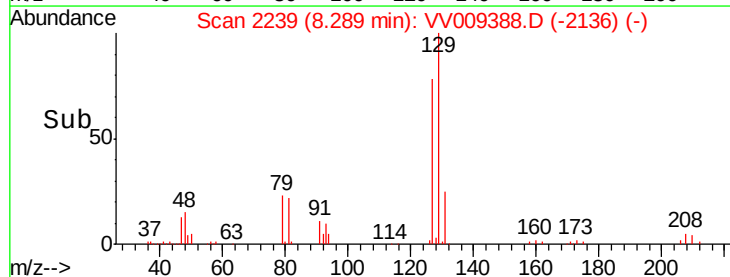
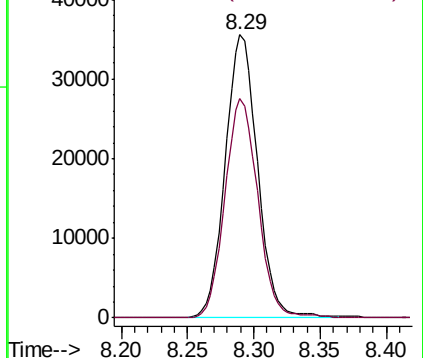


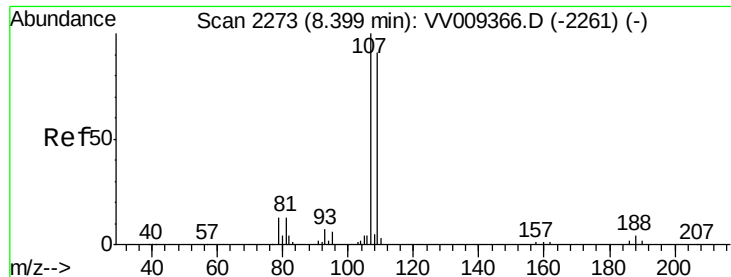
#50
Dibromochloromethane
Concen: 26.926 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009388.D
Acq: 27 Feb 2019 00:46

Tgt Ion: 129 Resp: 60293
Ion Ratio Lower Upper
129 100
127 77.7 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): VV009388.D (-2136) (-)
Ion 127.00 (126.70 to 127.70): VV009388.D (-2136) (-)





#51

1,2-Dibromoethane

Concen: 27.734 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02588

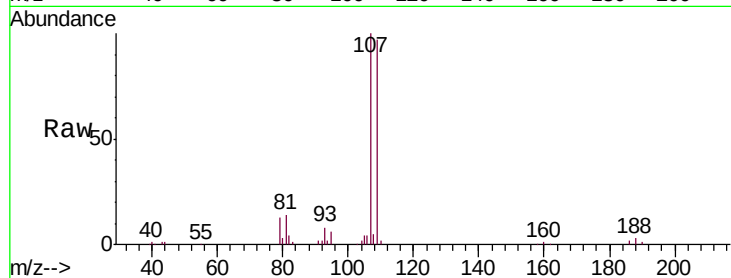
Tgt Ion:107 Resp: 49981

Ion Ratio Lower Upper

107 100

109 96.5 65.6 121.8

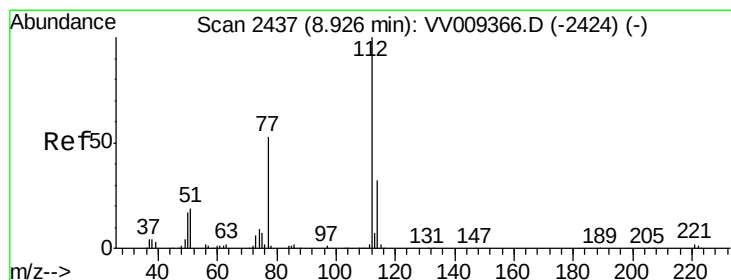
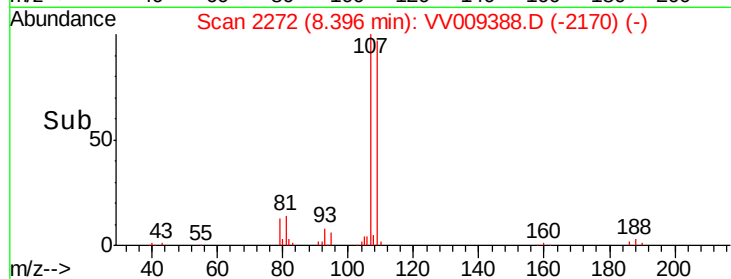
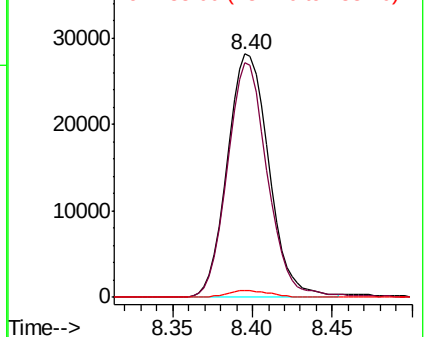
188 2.9 2.3 3.5



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: 26.167 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

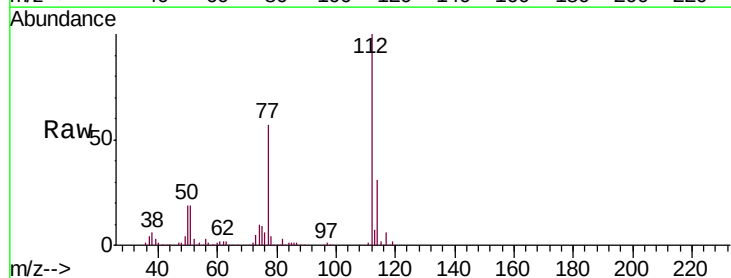
Tgt Ion:112 Resp: 165368

Ion Ratio Lower Upper

112 100

77 56.7 45.0 67.6

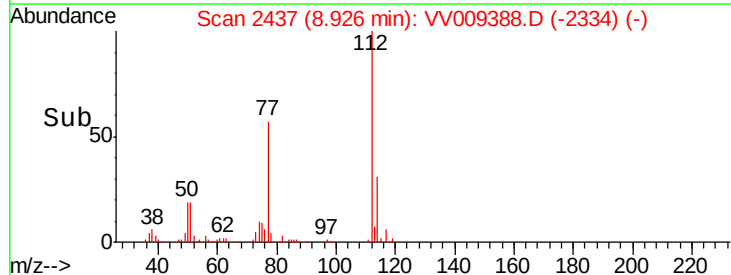
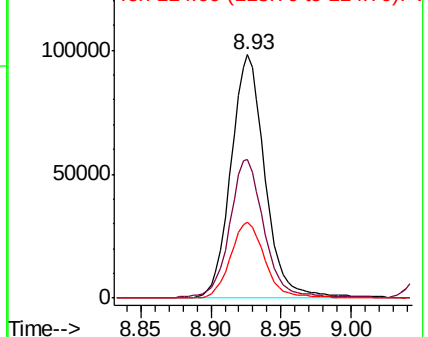
114 31.1 22.9 42.5

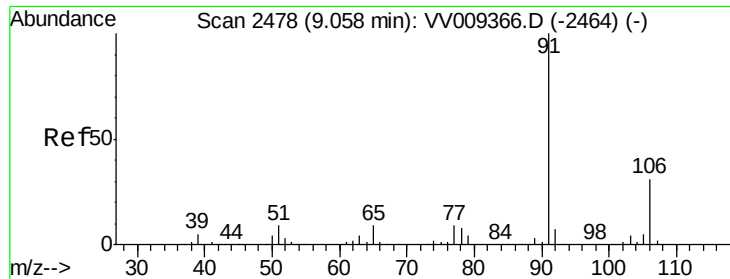


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 24.395 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

Instrument :

MSVOA_V

ClientSampleId :

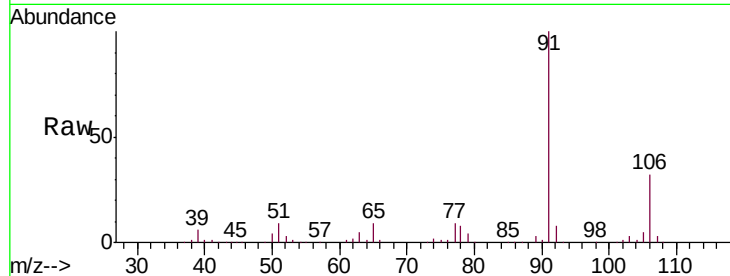
VSTD02588

Tgt Ion: 91 Resp: 272228

Ion Ratio Lower Upper

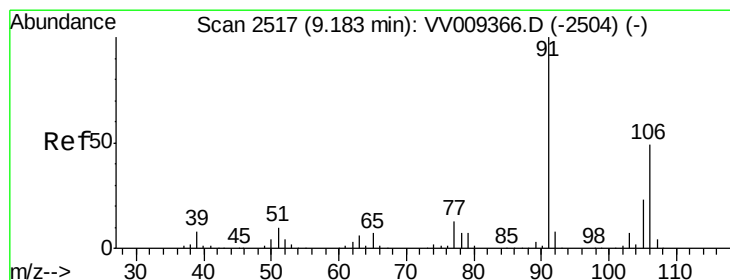
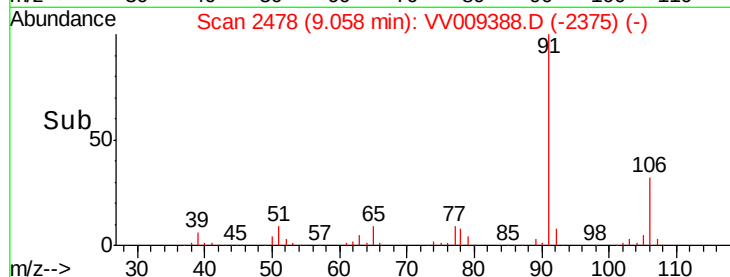
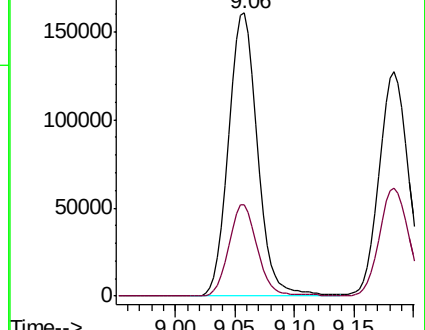
91 100

106 32.5 23.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VV009388.D (-2464) (-)

Ion 106.00 (105.70 to 106.70): VV009388.D (-2464) (-)



#54

m,p-Xylene

Concen: 24.389 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009388.D

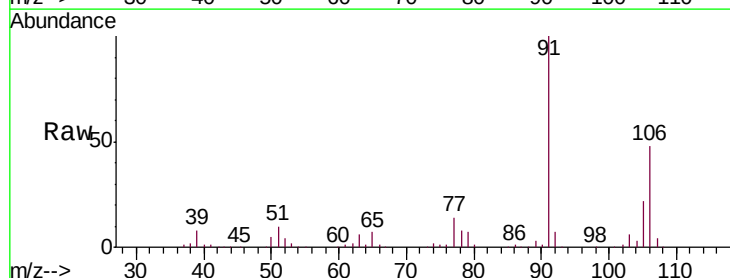
Acq: 27 Feb 2019 00:46

Tgt Ion: 106 Resp: 106021

Ion Ratio Lower Upper

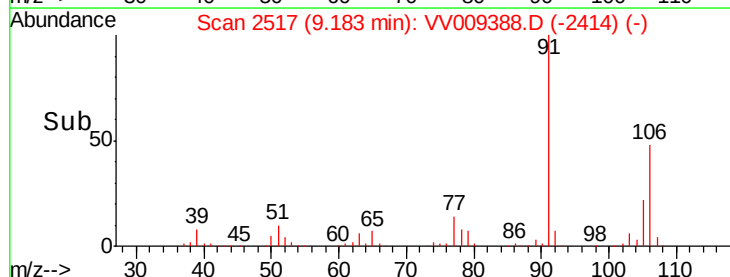
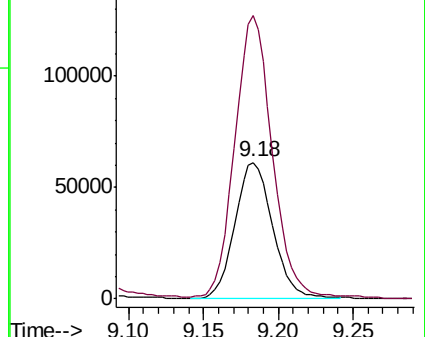
106 100

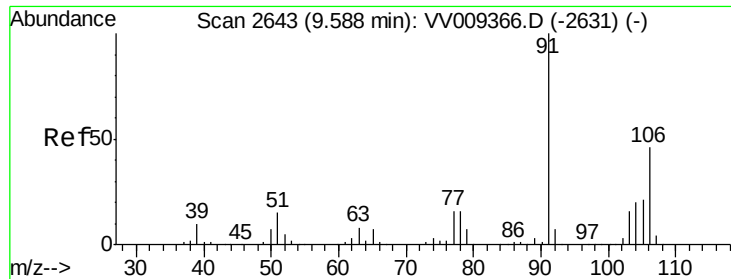
91 207.4 138.5 257.1



Abundance Ion 106.00 (105.70 to 106.70): VV009388.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV009388.D (-2504) (-)





#55

o-xylene

Concen: 26.676 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

Instrument :

MSVOA_V

ClientSampleId :

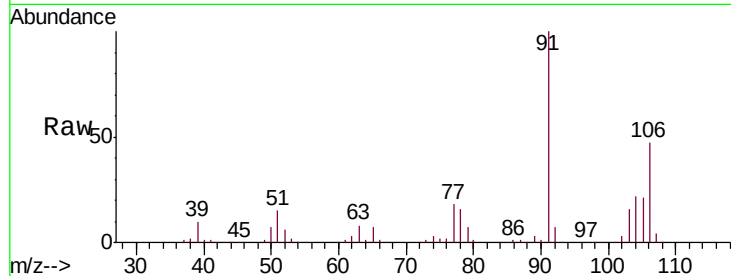
VSTD02588

Tgt Ion:106 Resp: 109945

Ion Ratio Lower Upper

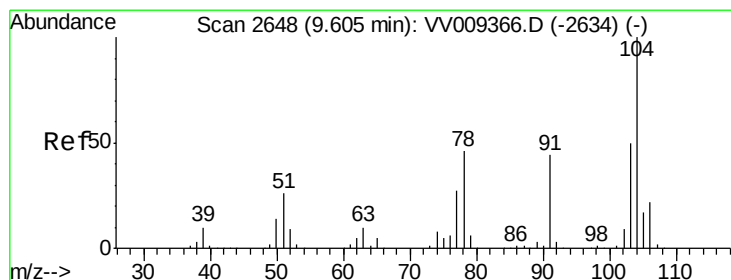
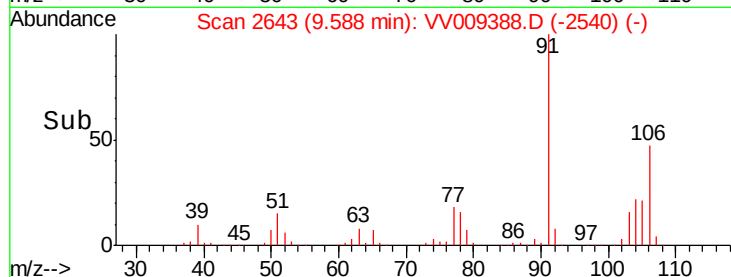
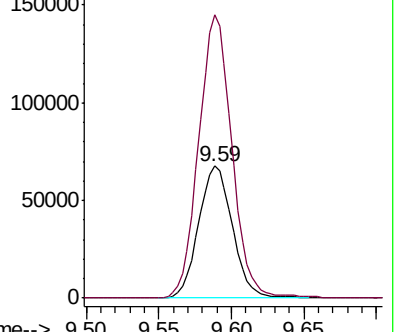
106 100

91 214.9 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 27.382 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009388.D

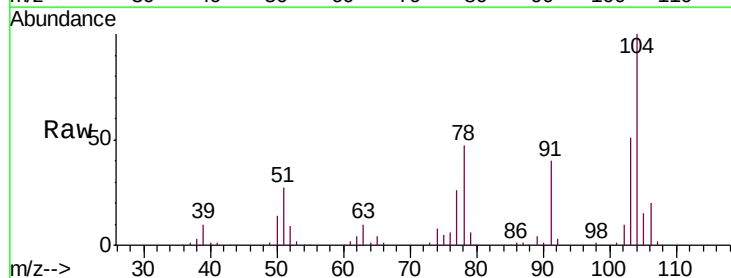
Acq: 27 Feb 2019 00:46

Tgt Ion:104 Resp: 189294

Ion Ratio Lower Upper

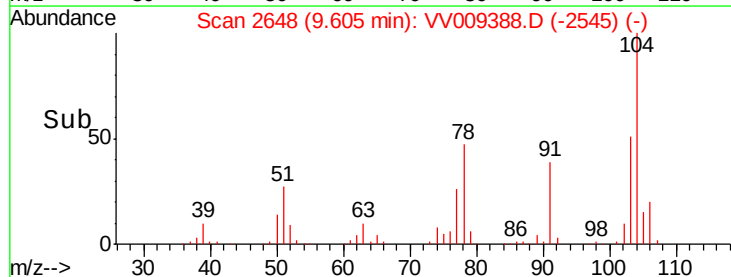
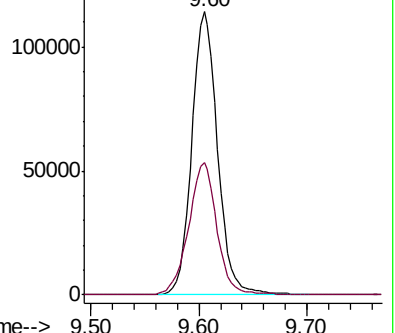
104 100

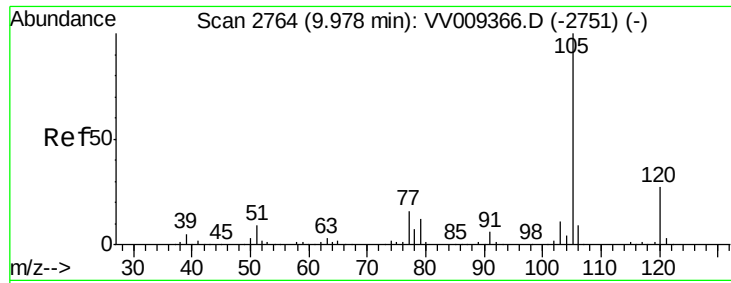
78 47.0 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 25.332 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02588

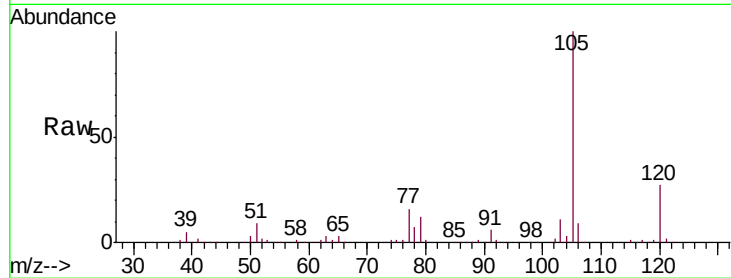
Tgt Ion: 105 Resp: 285242

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

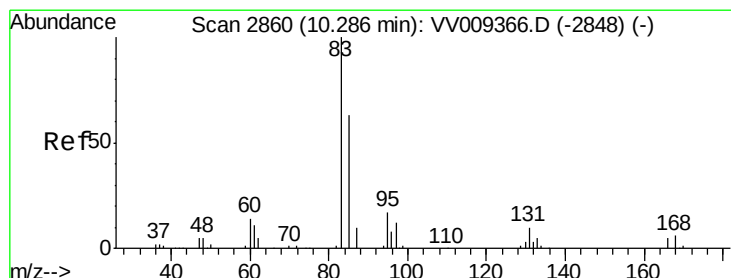
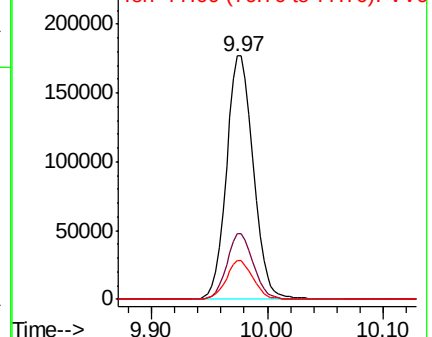
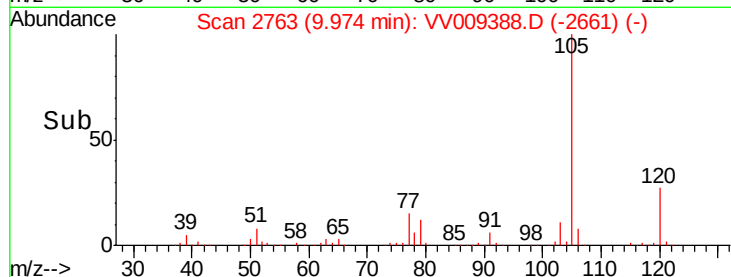
77 15.9 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 29.021 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

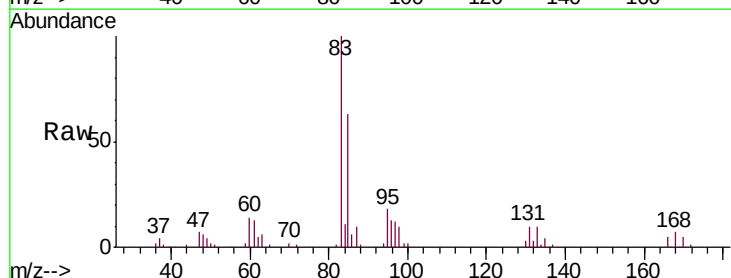
Tgt Ion: 83 Resp: 70644

Ion Ratio Lower Upper

83 100

85 63.2 44.7 83.1

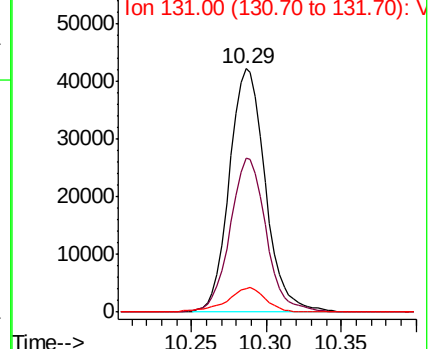
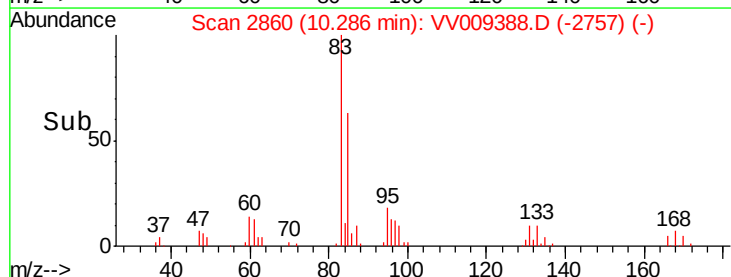
131 9.9 7.0 10.6

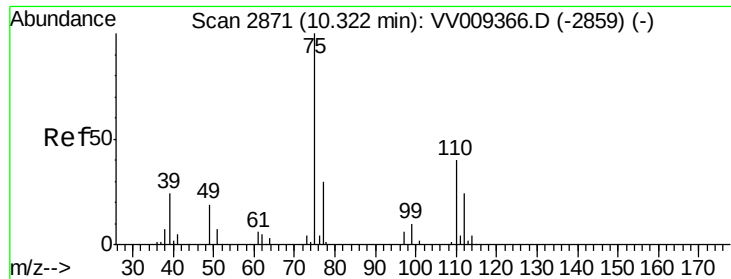


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

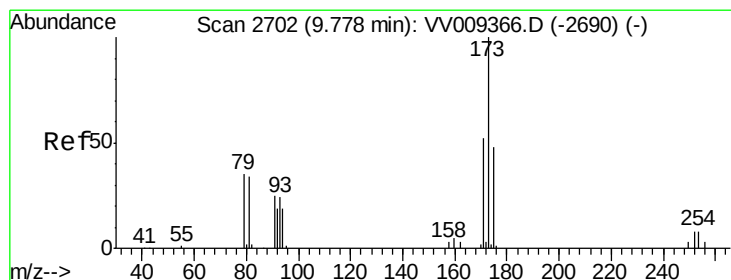
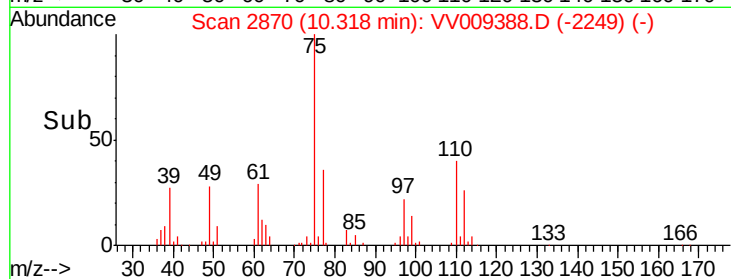
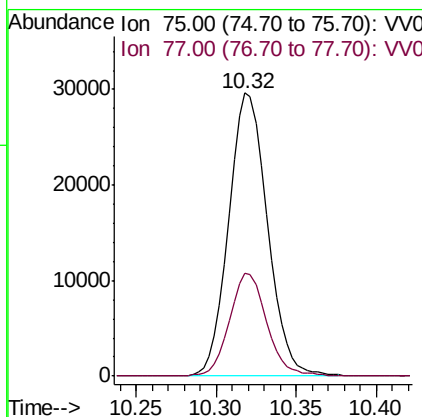
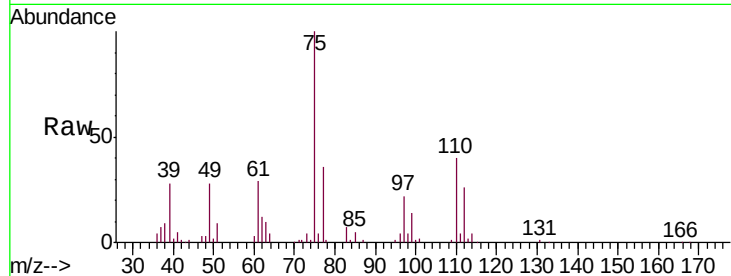




#59
 1,2,3-Trichloropropane
 Concen: 28.204 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

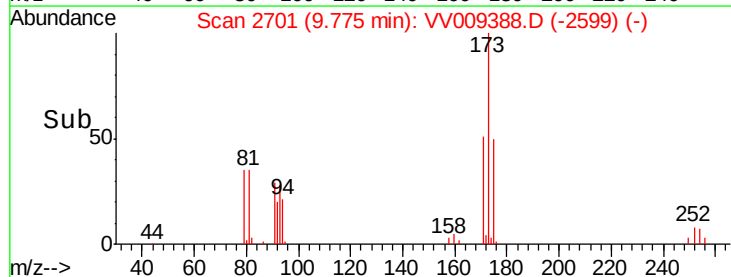
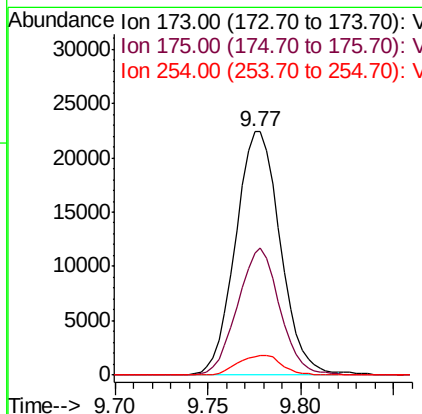
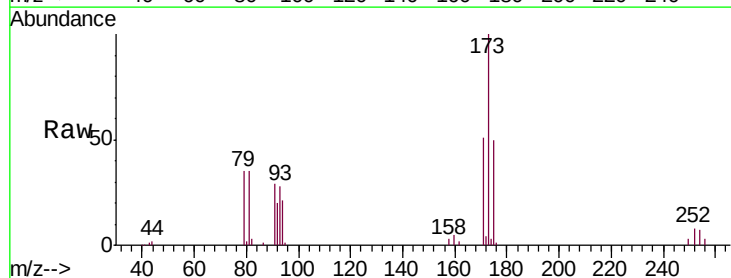
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

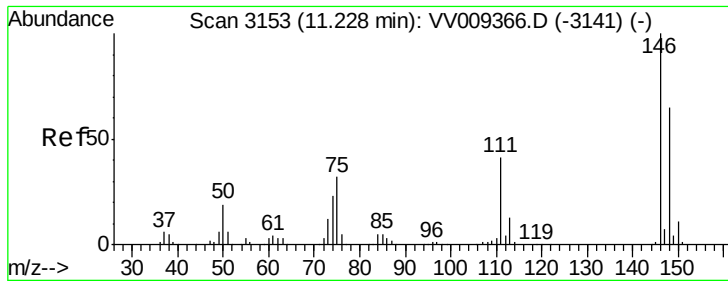
Tgt Ion: 75 Resp: 48899
 Ion Ratio Lower Upper
 75 100
 77 34.9 25.9 38.9



#62
 Bromoform
 Concen: 27.440 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

Tgt Ion: 173 Resp: 37575
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.8 58.2
 254 7.9 5.8 8.8





#63

1,3-Dichlorobenzene

Concen: 25.471 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02588

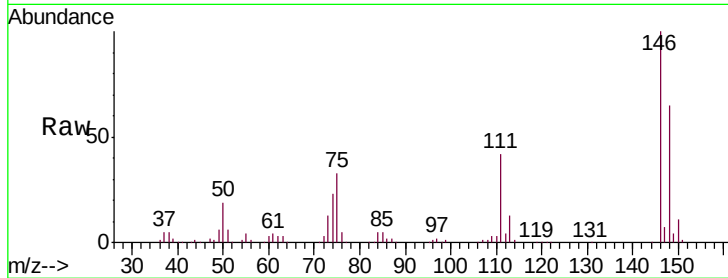
Tgt Ion:146 Resp: 124720

Ion Ratio Lower Upper

146 100

111 42.0 29.6 55.0

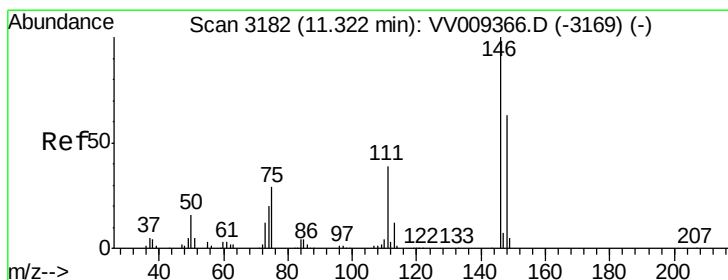
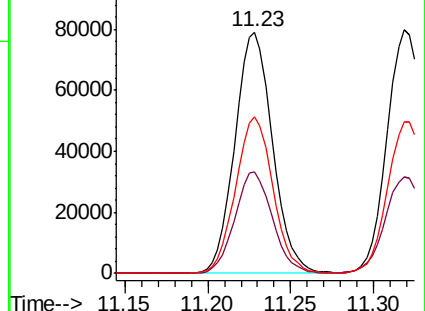
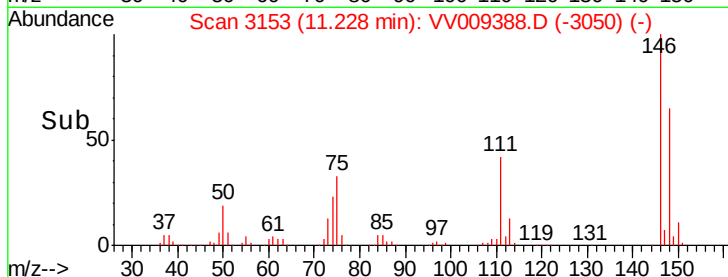
148 65.0 44.8 83.2



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: 25.924 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

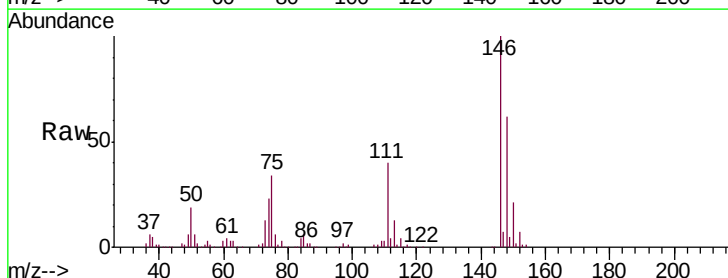
Tgt Ion:146 Resp: 126699

Ion Ratio Lower Upper

146 100

111 39.6 29.2 54.2

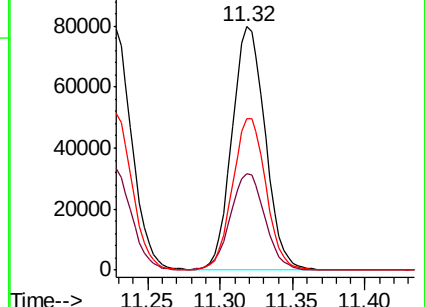
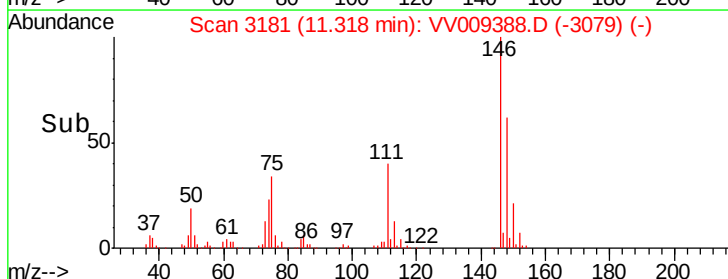
148 62.5 43.0 79.8

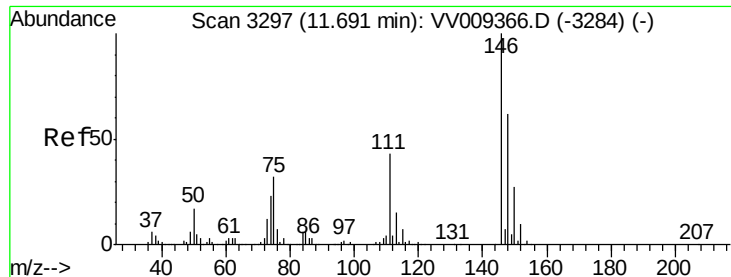


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

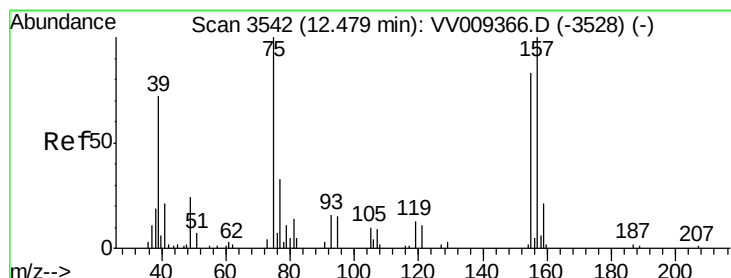
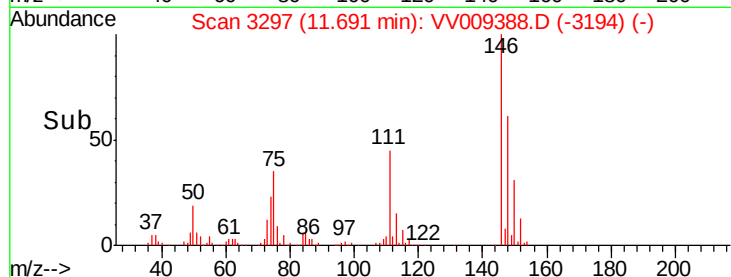
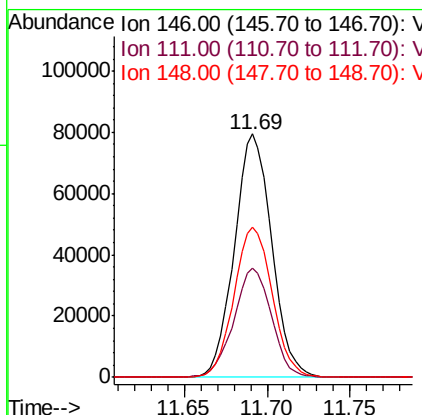
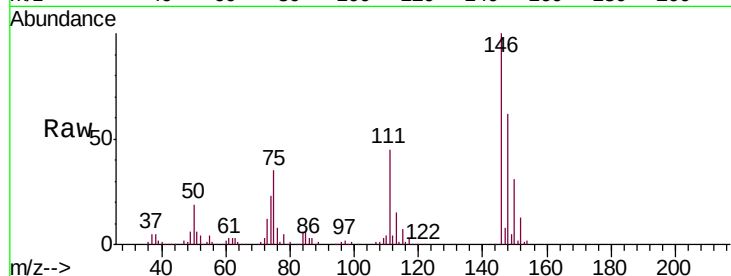




#65
 1,2-Dichlorobenzene
 Concen: 27.038 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

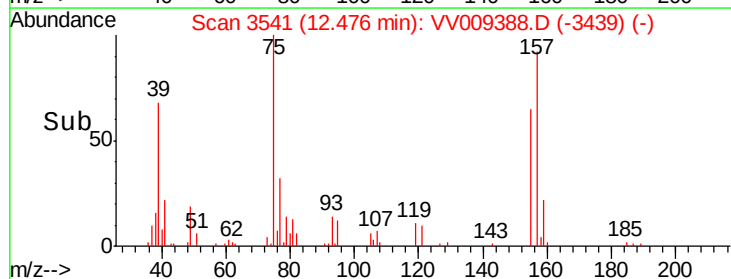
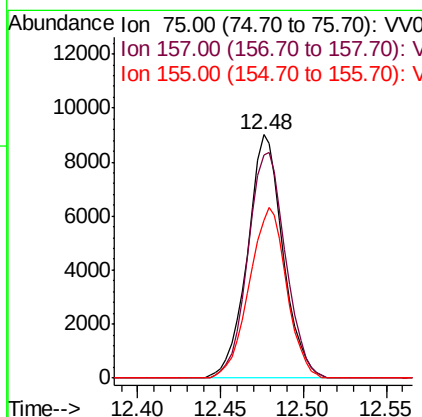
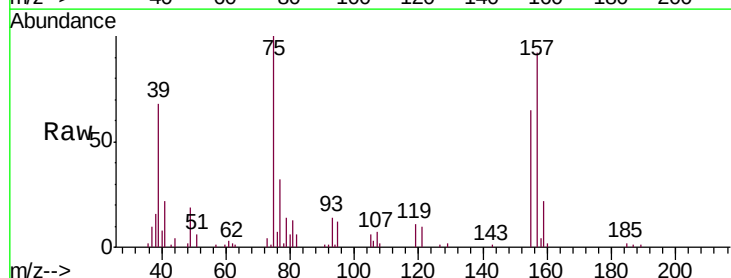
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

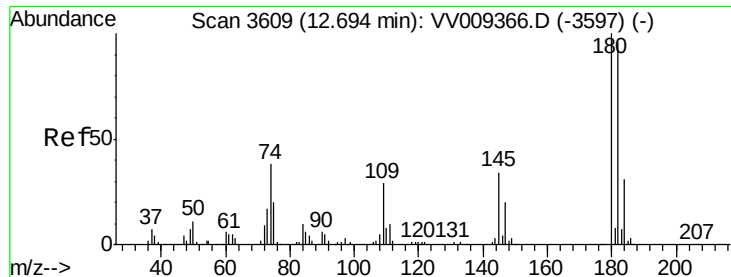
Tgt Ion: 146 Resp: 124389
 Ion Ratio Lower Upper
 146 100
 111 44.9 35.4 53.0
 148 61.5 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 29.555 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

Tgt Ion: 75 Resp: 13425
 Ion Ratio Lower Upper
 75 100
 157 91.8 81.0 121.4
 155 65.1 61.2 91.8

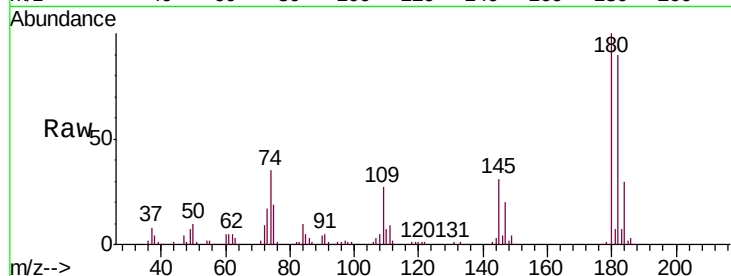




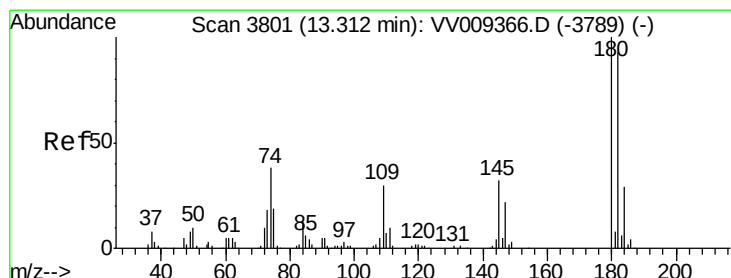
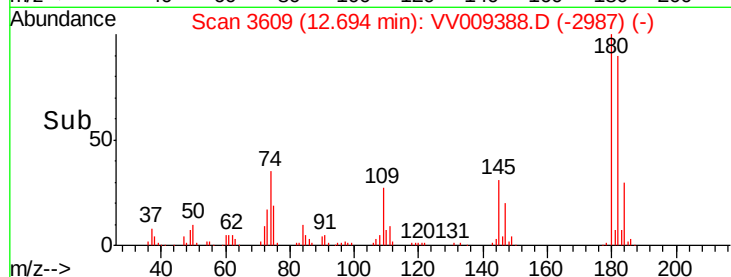
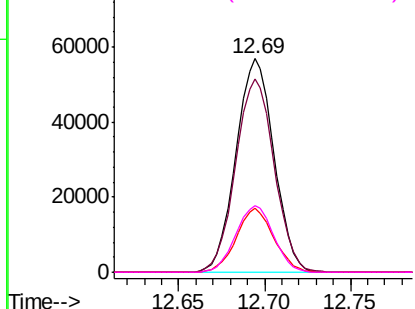
#67
 1,3,5-Trichlorobenzene
 Concen: 25.265 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

Tgt Ion:180 Resp: 87352
 Ion Ratio Lower Upper
 180 100
 182 92.3 75.4 113.2
 184 29.4 23.9 35.9
 145 31.1 26.0 39.0

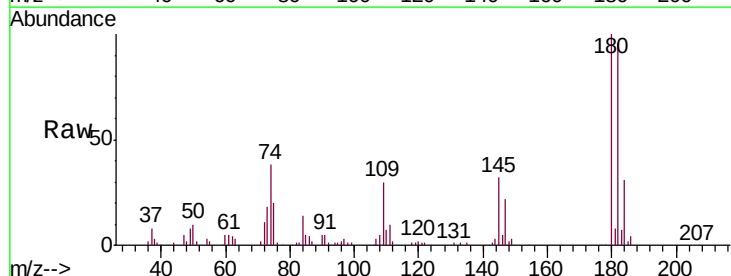


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

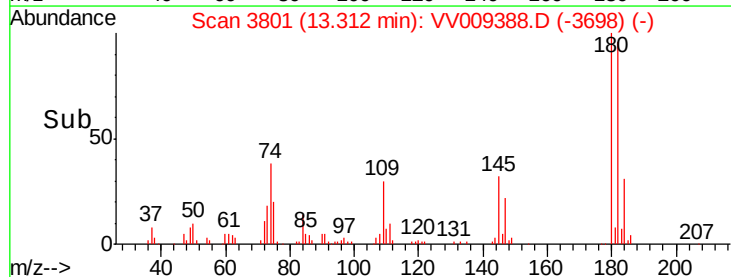
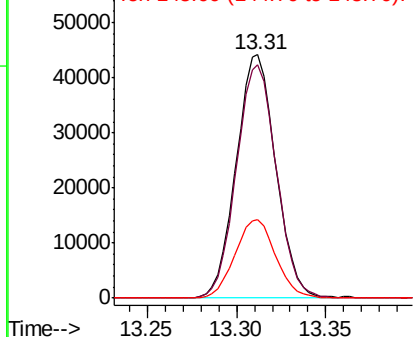


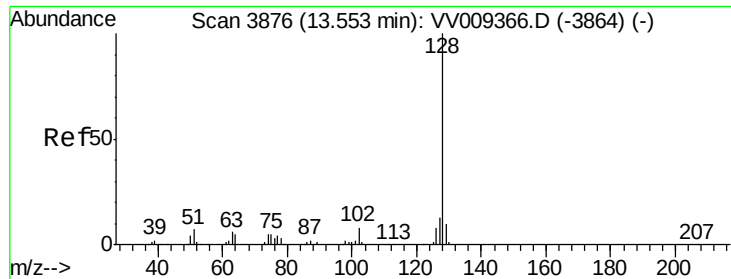
#68
 1,2,4-trichlorobenzene
 Concen: 25.552 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009388.D
 Acq: 27 Feb 2019 00:46

Tgt Ion:180 Resp: 68582
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.9 113.9
 145 33.2 26.2 39.4



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





#69

Naphthalene

Concen: 28.452 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02588

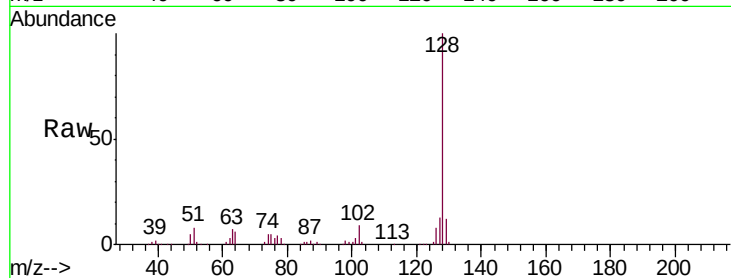
Tgt Ion:128 Resp: 154629

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

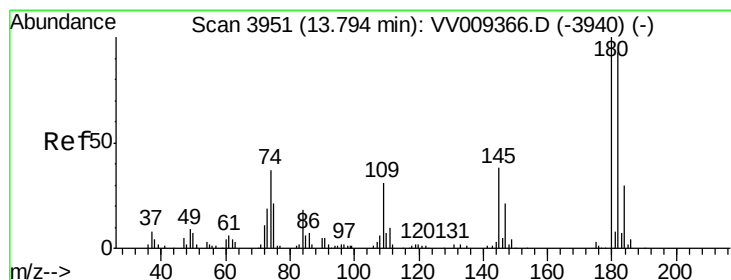
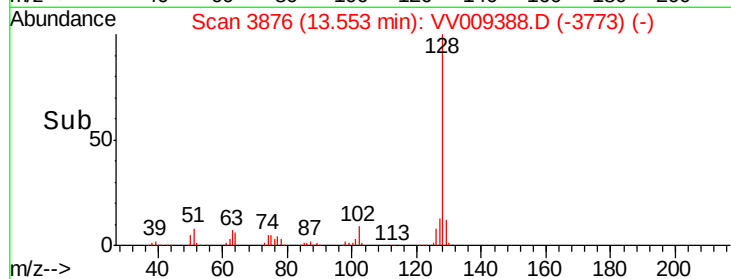
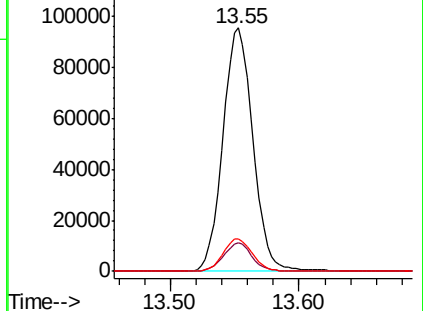
127 13.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.073 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009388.D

Acq: 27 Feb 2019 00:46

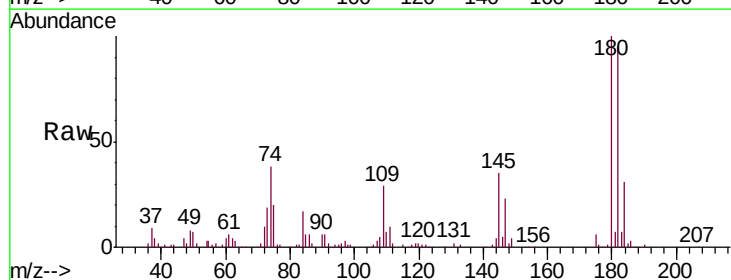
Tgt Ion:180 Resp: 67357

Ion Ratio Lower Upper

180 100

182 94.2 74.2 111.2

145 34.5 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

