

Data File : VV009287.D
Acq On : 12 Feb 2019 14:57
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV66

Quant Time: Feb 13 07:43:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021219S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 13 07:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	214157	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	208438	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	99778	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82062	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.68%
7) Chloroethane-d5	1.58	69	48533	20.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.20%
10) 1,1-Dichloroethene-d2	2.13	63	173316	23.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.12%
20) 2-Butanone-d5	3.94	46	79968	48.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.50%
24) Chloroform-d	4.40	84	152190	23.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.08	65	89421	22.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.80%
29) Benzene-d6	5.10	84	294165	22.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.92%
33) 1,2-Dichloropropane-d6	6.12	67	88835	22.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.32%
37) Toluene-d8	7.36	98	272890	23.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.00%
38) trans-1,3-Dichloropropene-	7.66	79	41458	23.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.60%
39) 2-Hexanone-d5	8.14	63	46305	47.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.86%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	90217	22.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	93790	23.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	121013	30.440	ug/L 100
3) Chloromethane	1.25	50	115499	26.957	ug/L 97
5) Vinyl chloride	1.32	62	114917	26.887	ug/L 100
6) Bromomethane	1.53	94	56377	27.634	ug/L 98
8) Chloroethane	1.60	64	50711	22.175	ug/L 100
9) Trichlorofluoromethane	1.77	101	160383	27.068	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	83481	24.431	ug/L 99
12) 1,1-Dichloroethene	2.14	96	75440	24.205	ug/L 92
13) Acetone	2.20	43	119832	51.472	ug/L 99
14) Carbon disulfide	2.32	76	286680	24.027	ug/L 99
15) Methyl Acetate	2.46	43	67795	24.019	ug/L 96
16) Methylene chloride	2.53	84	95680	21.254	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	209404	24.889	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	86300	24.337	ug/L 98
19) 1,1-Dichloroethane	3.23	63	165284	24.485	ug/L 99
21) 2-Butanone	4.03	43	122864	52.025	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	90783	24.925	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	40920	25.042	ug/L	98
25) Chloroform	4.43	83	161177	24.152	ug/L	99
27) 1,2-Dichloroethane	5.18	62	120001	25.056	ug/L	99
30) Cyclohexane	4.72	56	165311	25.039	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	146015	24.115	ug/L	98
32) Carbon tetrachloride	4.87	117	131111	24.492	ug/L	98
34) Benzene	5.15	78	352265	24.667	ug/L	100
35) Trichloroethene	5.96	95	94290	24.348	ug/L	98
36) Methylcyclohexane	6.18	83	155779	24.068	ug/L	99
40) 1,2-Dichloropropane	6.22	63	92402	24.566	ug/L	99
41) Bromodichloromethane	6.55	83	112880	23.216	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	136201	24.799	ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	182248	50.656	ug/L	99
44) Toluene	7.43	91	379885	25.353	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	116777	23.860	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	68118	23.795	ug/L	99
47) Tetrachloroethene	8.02	164	72594	24.863	ug/L	98
49) 2-Hexanone	8.19	43	166340	53.916	ug/L	99
50) Dibromochloromethane	8.29	129	79605	24.218	ug/L	99
51) 1,2-Dibromoethane	8.40	107	69625	24.263	ug/L	98
52) Chlorobenzene	8.93	112	228799	24.167	ug/L	99
53) Ethylbenzene	9.06	91	418550	25.212	ug/L	100
54) m,p-Xylene	9.18	106	151286	24.748	ug/L	100
55) o-xylene	9.59	106	144482	24.979	ug/L	98
56) Styrene	9.60	104	249004	25.570	ug/L	100
57) Isopropylbenzene	9.98	105	402859	25.380	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	98320	23.533	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	80073	24.493	ug/L	99
62) Bromoform	9.78	173	47955	24.259	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	175528	24.821	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	175594	24.569	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	167201	25.253	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	21074	25.190	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	133433	25.412	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	108769	26.587	ug/L	99
69) Naphthalene	13.55	128	249309	30.217	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	103366	27.803	ug/L	100

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

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ClientSampleId :
VICV66

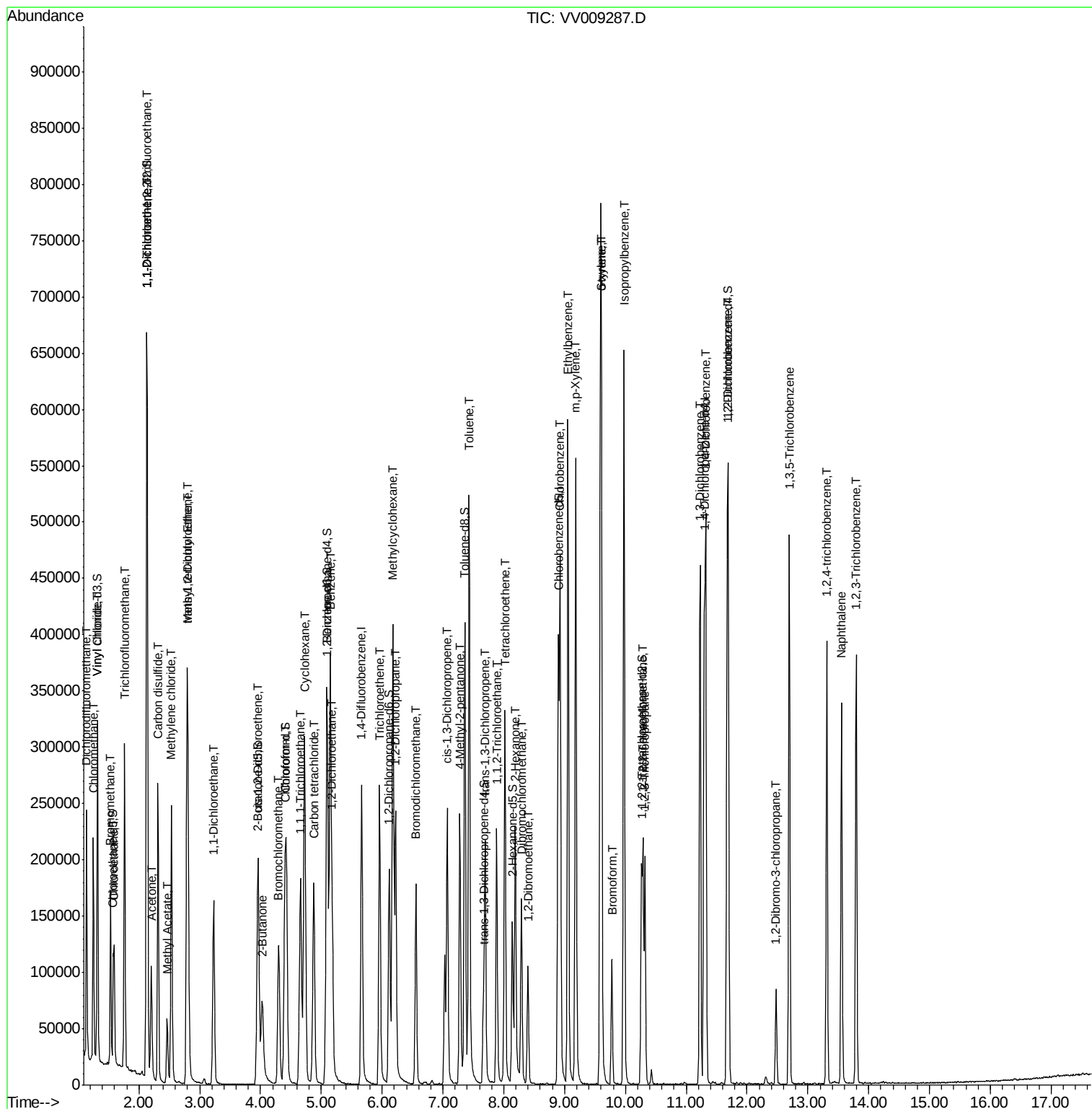
Quant Time: Feb 13 07:43:55 2019

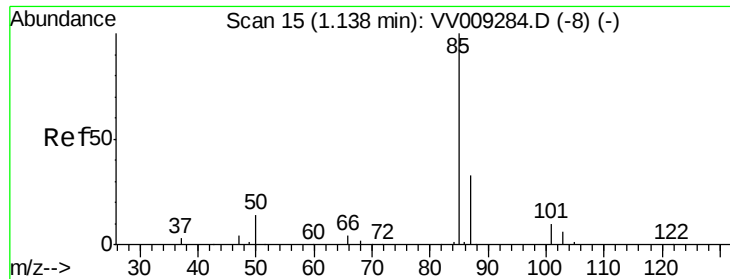
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM021219S.M

Quant Title : VOC Analysis

QLast Update : Wed Feb 13 07:40:48 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 30.440 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampled :

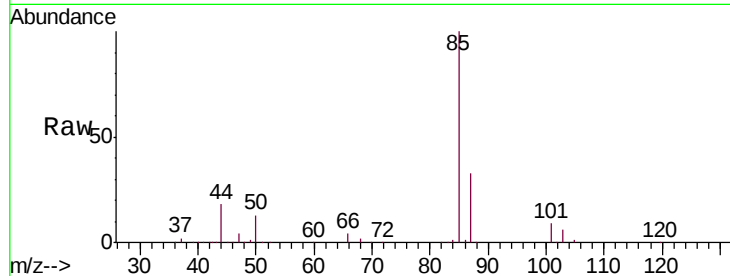
VICV66

Tgt Ion: 85 Resp: 121013

Ion Ratio Lower Upper

85 100

87 32.3 22.7 42.3



Abundance Ion 85.00 (84.70 to 85.70): VV009284.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009284.D (-8) (-)

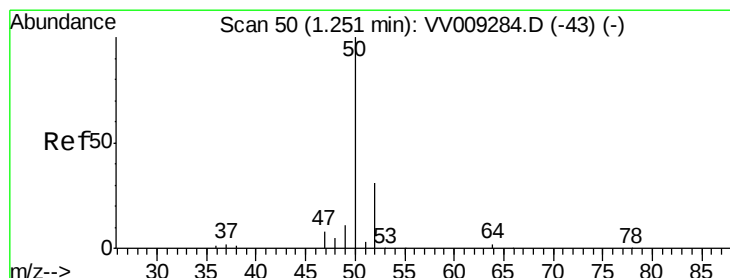
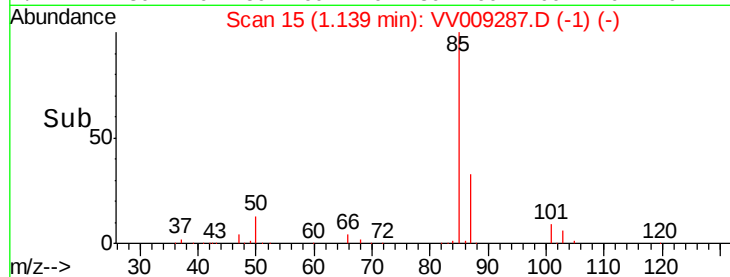
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 26.957 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009287.D

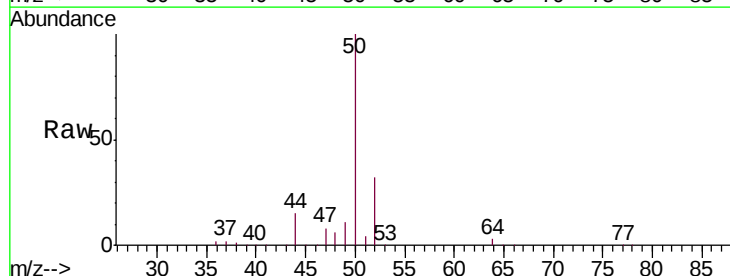
Acq: 12 Feb 2019 14:57

Tgt Ion: 50 Resp: 115499

Ion Ratio Lower Upper

50 100

52 32.2 21.5 39.9



Abundance Ion 50.00 (49.70 to 50.70): VV009284.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009284.D (-43) (-)

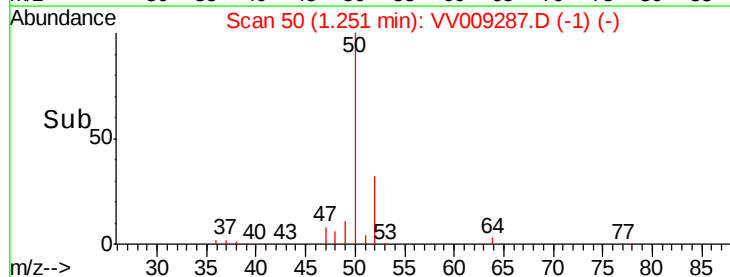
1.25

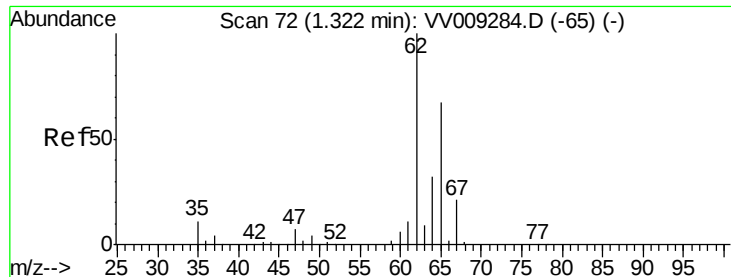
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 26.887 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampled :

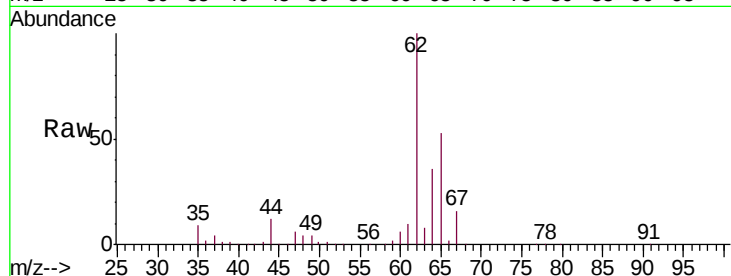
VICV66

Tgt Ion: 62 Resp: 114917

Ion Ratio Lower Upper

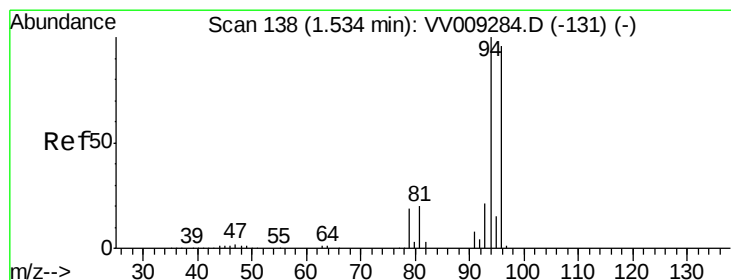
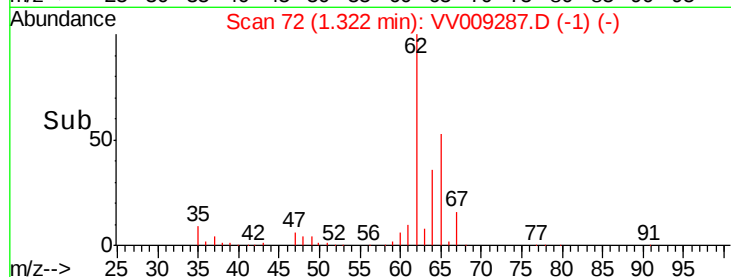
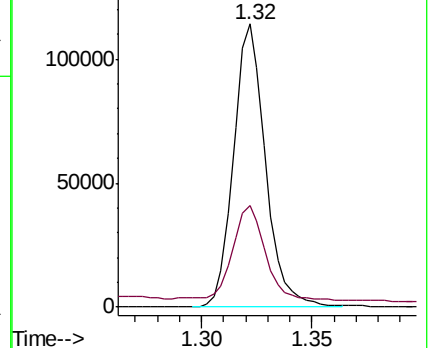
62 100

64 35.8 24.9 46.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 27.634 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV009287.D

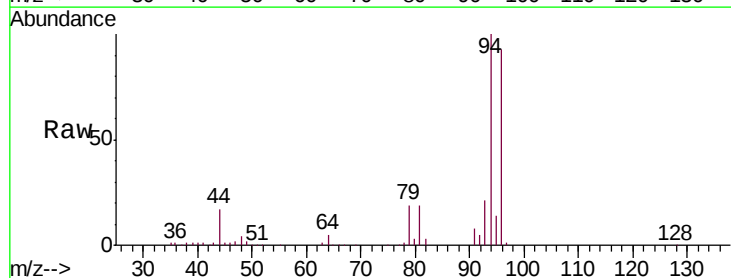
Acq: 12 Feb 2019 14:57

Tgt Ion: 94 Resp: 56377

Ion Ratio Lower Upper

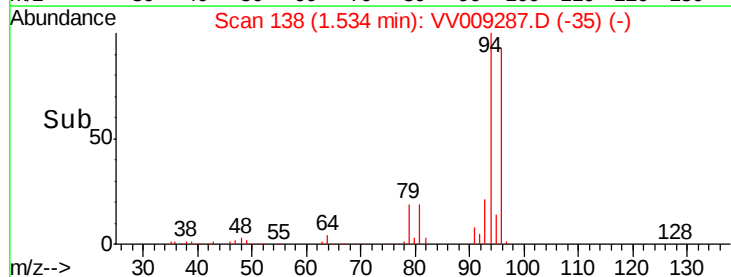
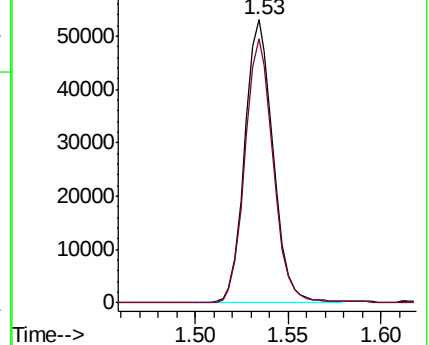
94 100

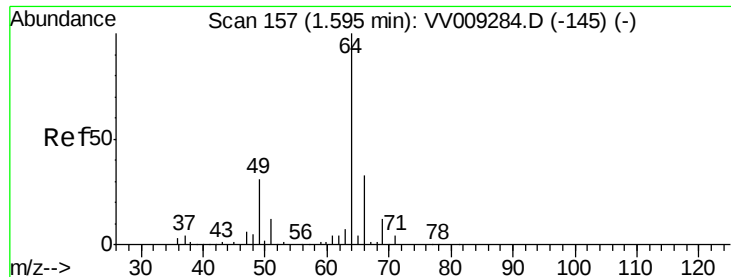
96 92.3 9.5 179.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 22.175 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

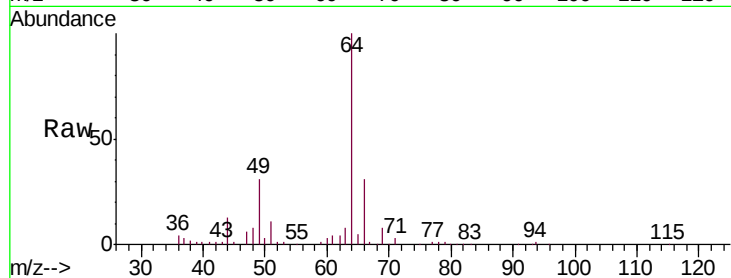
VICV66

Tgt Ion: 64 Resp: 50711

Ion Ratio Lower Upper

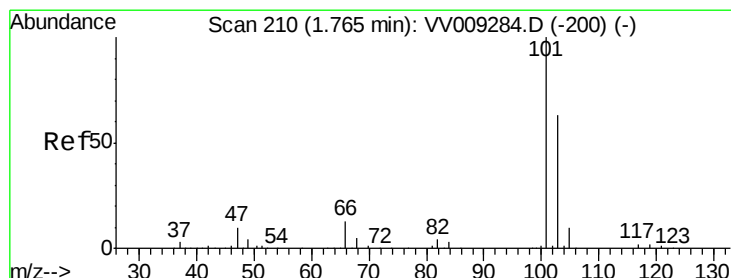
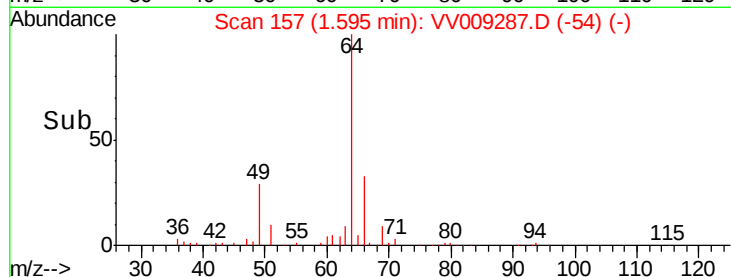
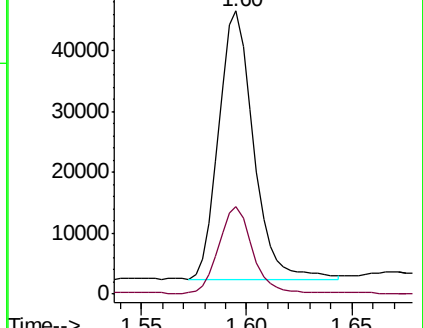
64 100

66 31.1 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VV009284.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV009284.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 27.068 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV009287.D

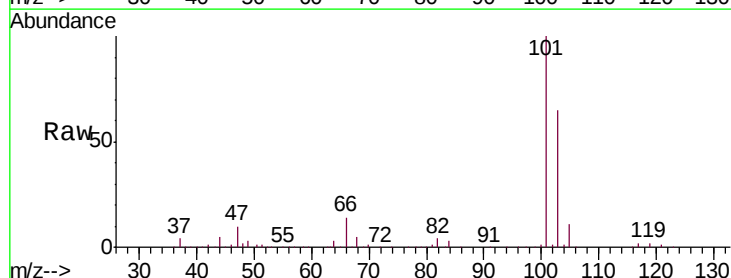
Acq: 12 Feb 2019 14:57

Tgt Ion: 101 Resp: 160383

Ion Ratio Lower Upper

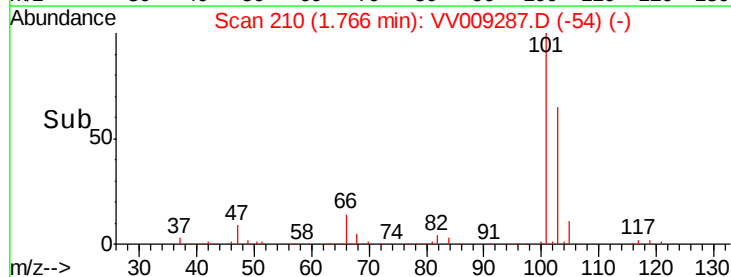
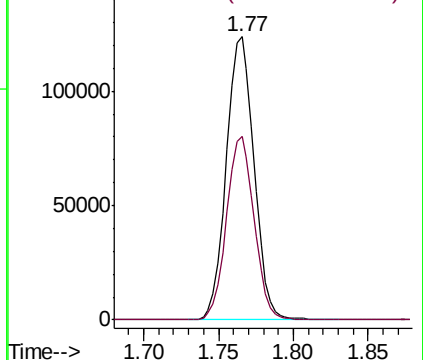
101 100

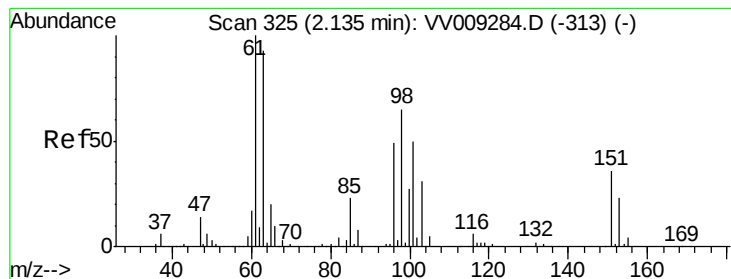
103 64.4 44.6 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV009284.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV009284.D (-200) (-)





#11

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

Concen: 24.431 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

VICV66

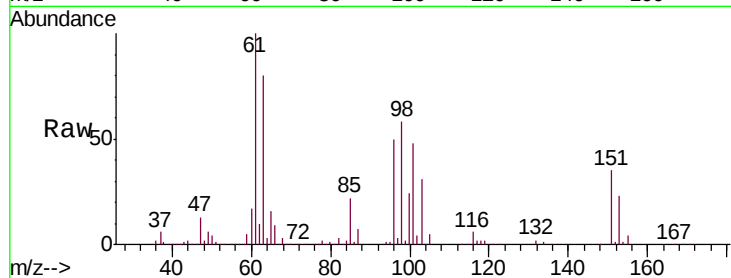
Tgt Ion: 101 Resp: 83481

Ion Ratio Lower Upper

101 100

85 46.0 36.5 54.7

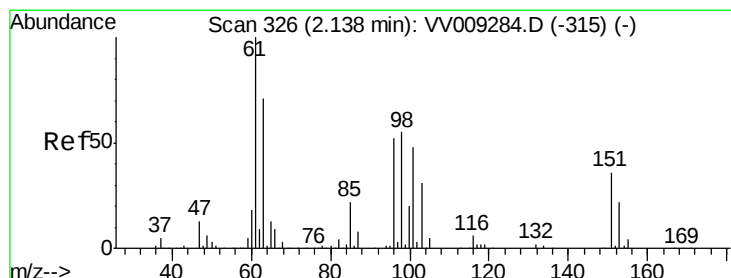
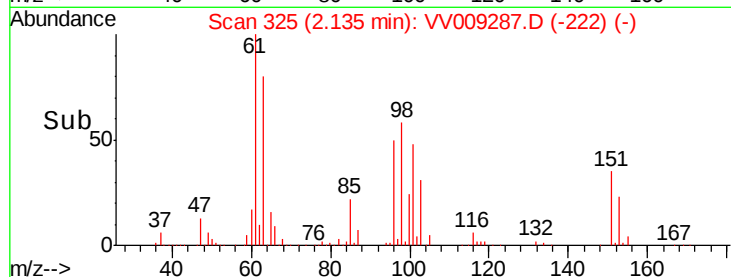
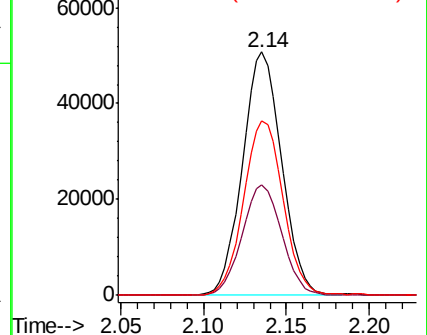
151 72.5 58.4 87.6



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: 24.205 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

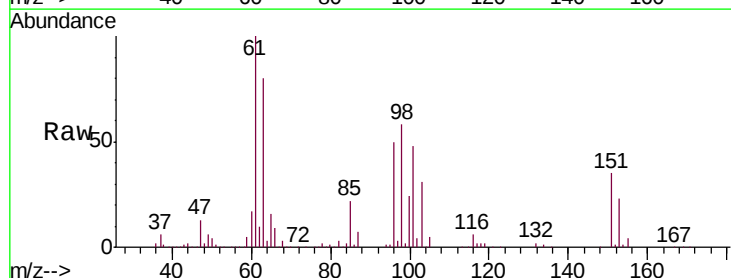
Tgt Ion: 96 Resp: 75440

Ion Ratio Lower Upper

96 100

61 200.4 136.3 253.1

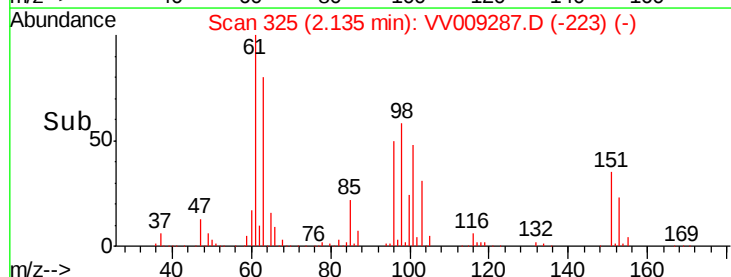
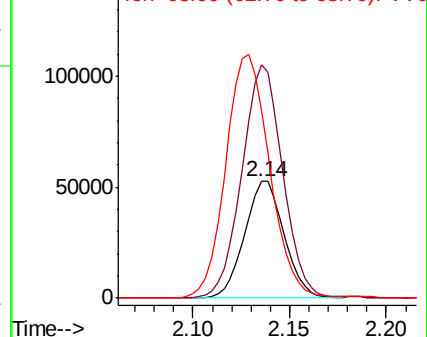
63 160.3 100.0 185.8

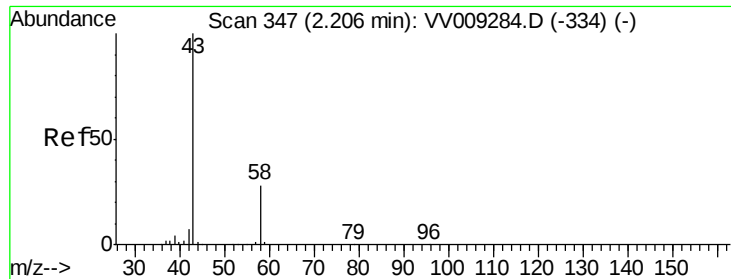


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.472 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

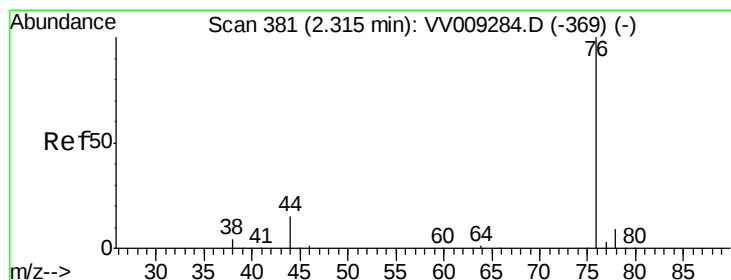
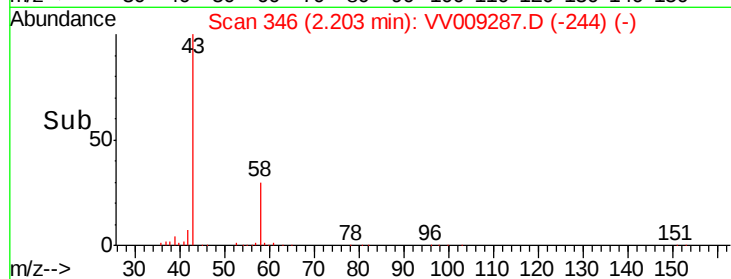
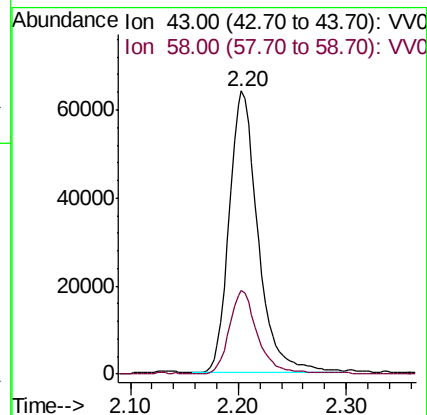
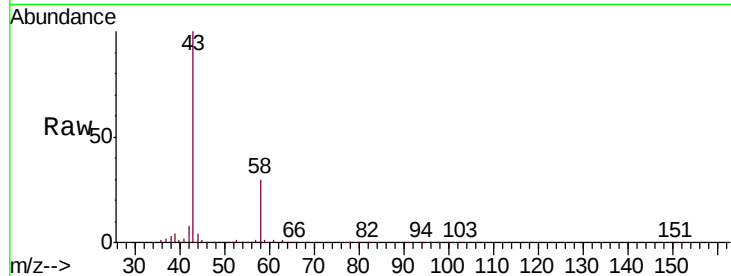
VICV66

Tgt Ion: 43 Resp: 119832

Ion Ratio Lower Upper

43 100

58 29.0 0.0 57.4



#14

Carbon disulfide

Concen: 24.027 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009287.D

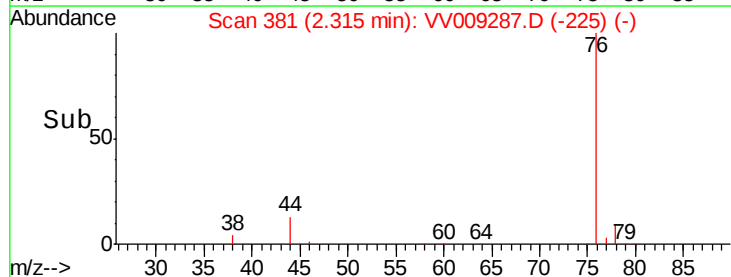
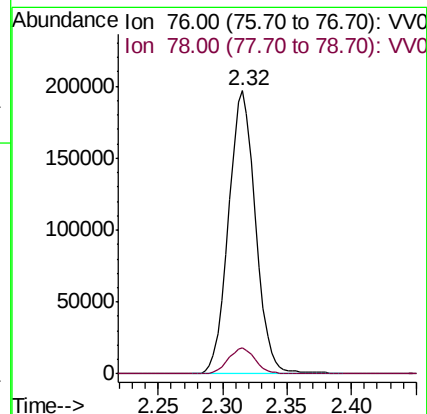
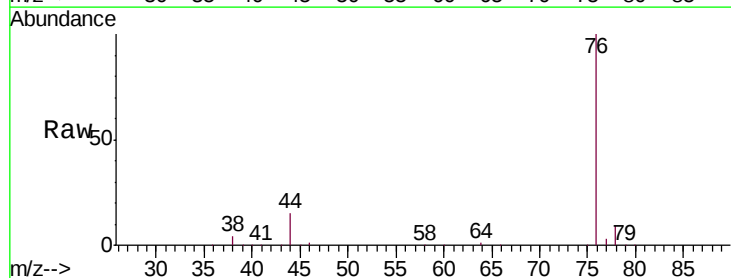
Acq: 12 Feb 2019 14:57

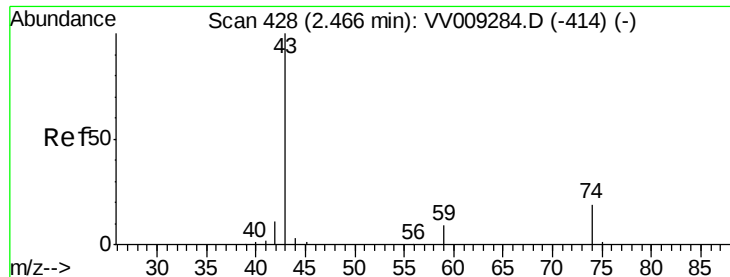
Tgt Ion: 76 Resp: 286680

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6





#15

Methyl Acetate

Concen: 24.019 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

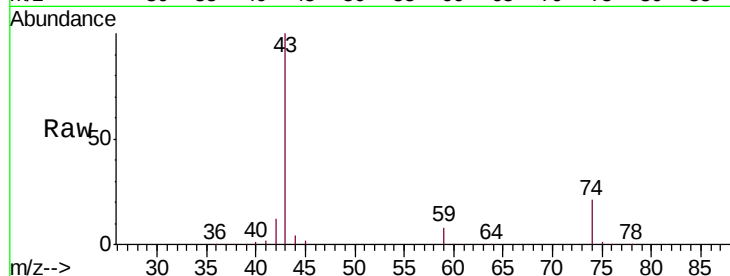
VICV66

Tgt Ion: 43 Resp: 67795

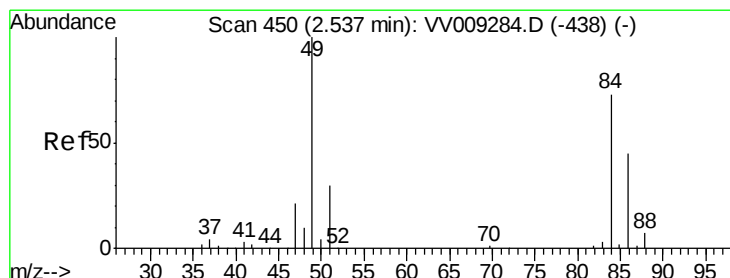
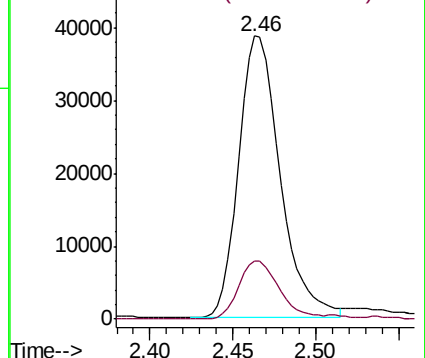
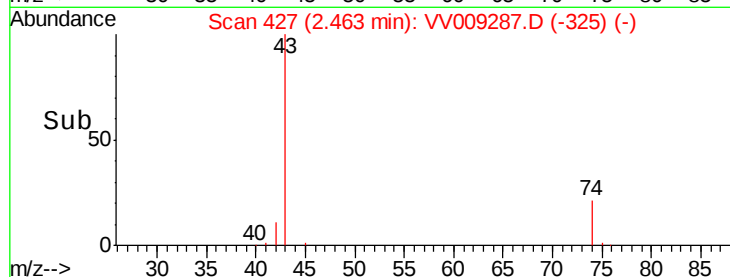
Ion Ratio Lower Upper

43 100

74 20.3 14.8 22.2



Abundance Ion 43.00 (42.70 to 43.70): VV009287.D (-325) (-)



#16

Methylene chloride

Concen: 21.254 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

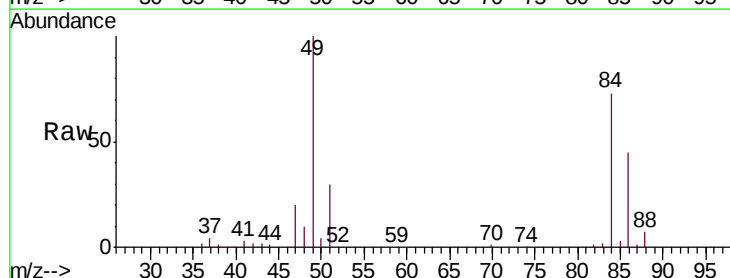
Tgt Ion: 84 Resp: 95680

Ion Ratio Lower Upper

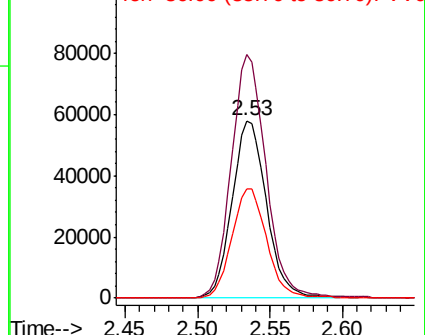
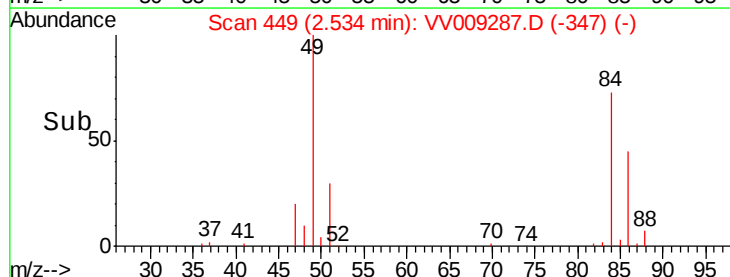
84 100

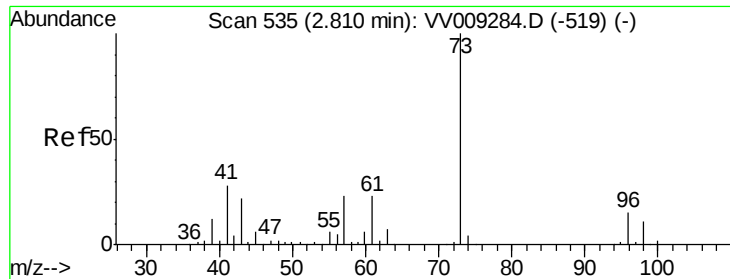
49 137.3 96.2 178.6

86 61.9 43.5 80.7



Abundance Ion 84.00 (83.70 to 84.70): VV009287.D (-347) (-)

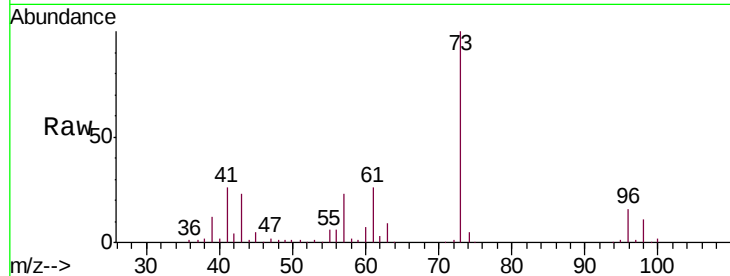




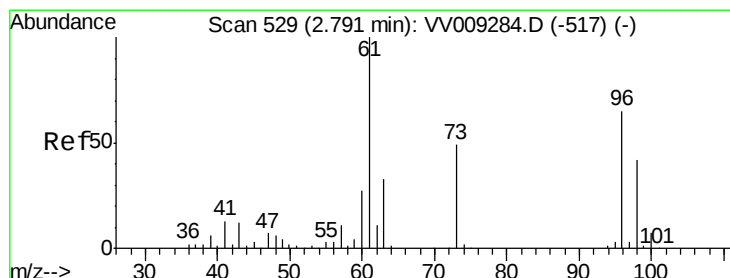
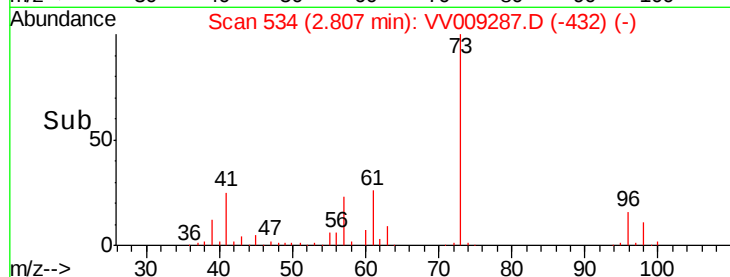
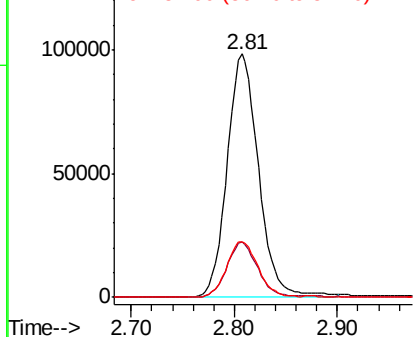
#17
Methyl tert-butyl Ether
Concen: 24.889 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV009287.D
Acq: 12 Feb 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :
VICV66

Tgt Ion: 73 Resp: 209404
Ion Ratio Lower Upper
73 100
43 21.7 18.3 27.5
57 22.8 18.8 28.2

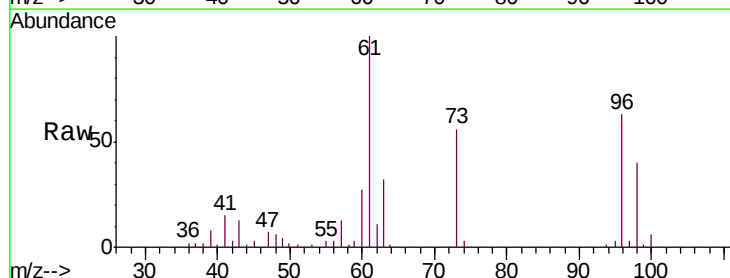


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

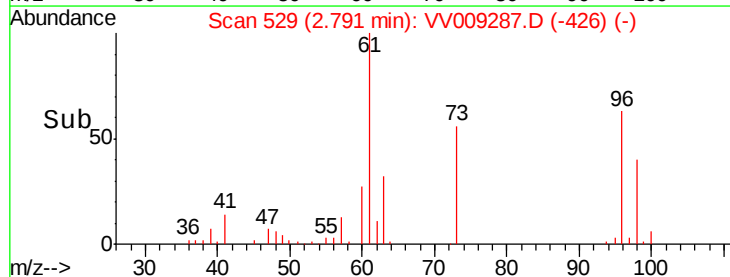
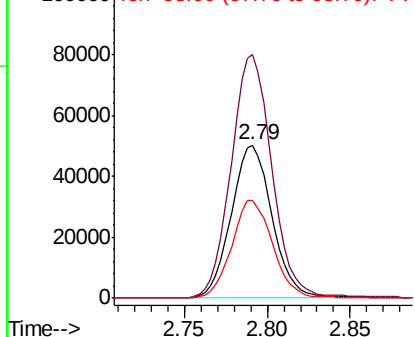


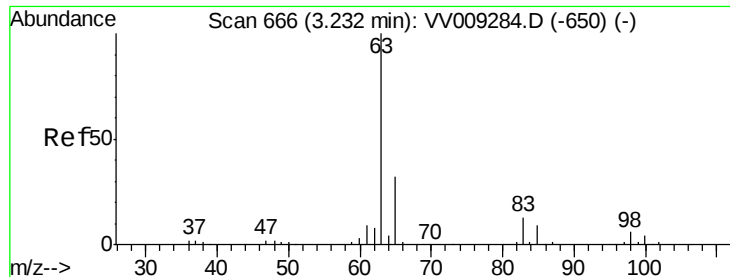
#18
trans-1,2-Dichloroethene
Concen: 24.337 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009287.D
Acq: 12 Feb 2019 14:57

Tgt Ion: 96 Resp: 86300
Ion Ratio Lower Upper
96 100
61 159.1 108.4 201.2
98 64.0 45.0 83.6



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: 24.485 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

VICV66

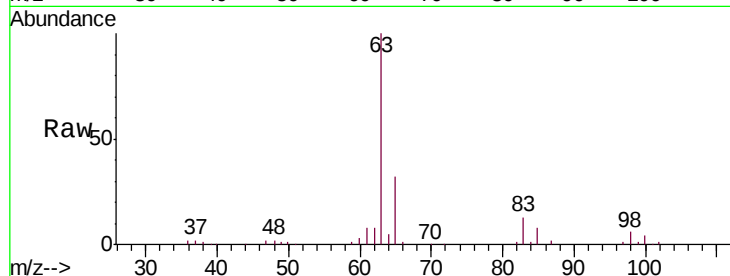
Tgt Ion: 63 Resp: 165284

Ion Ratio Lower Upper

63 100

65 31.6 22.5 41.7

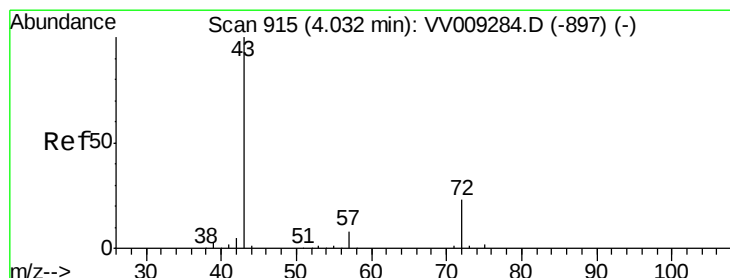
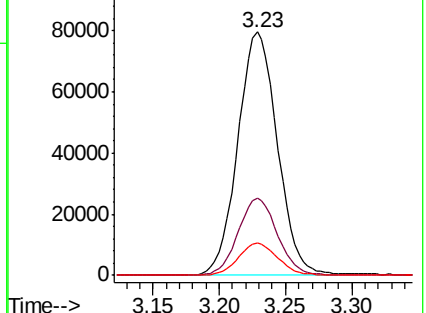
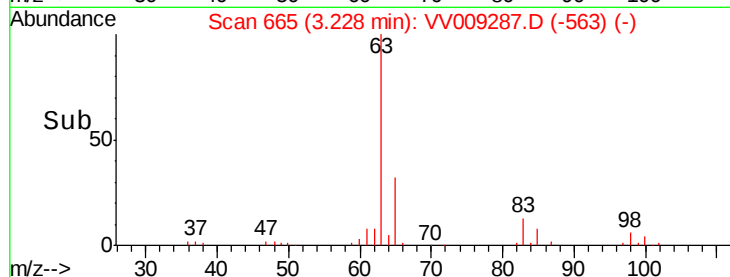
83 13.1 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VV009287.D (-653) (-)

Ion 65.00 (64.70 to 65.70): VV009287.D (-653) (-)

Ion 83.00 (82.70 to 83.70): VV009287.D (-653) (-)



#21

2-Butanone

Concen: 52.025 ug/L

RT: 4.03 min Scan# 914

Delta R.T. -0.00 min

Lab File: VV009287.D

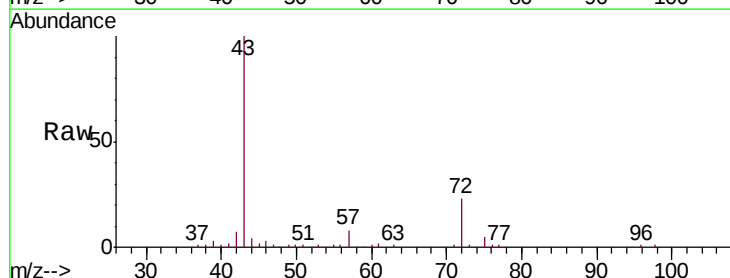
Acq: 12 Feb 2019 14:57

Tgt Ion: 43 Resp: 122864

Ion Ratio Lower Upper

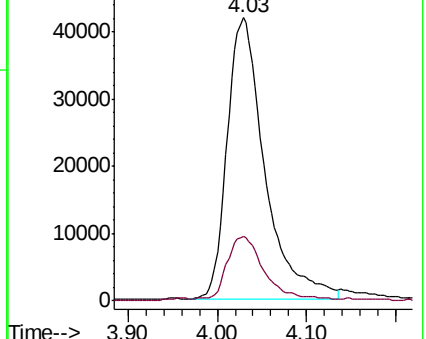
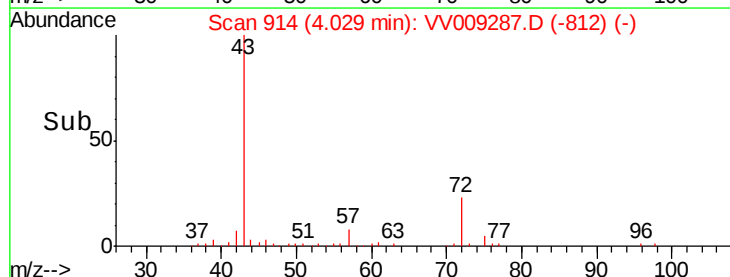
43 100

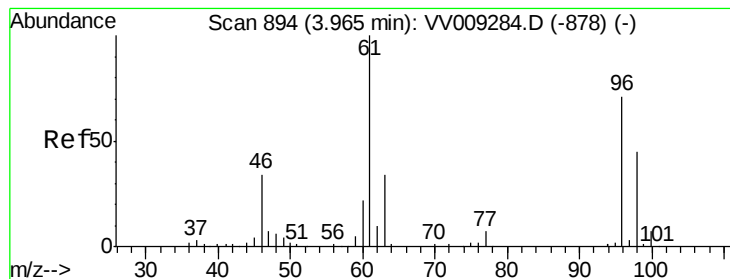
72 21.2 10.5 31.6



Abundance Ion 43.00 (42.70 to 43.70): VV009287.D (-812) (-)

Ion 72.00 (71.70 to 72.70): VV009287.D (-812) (-)



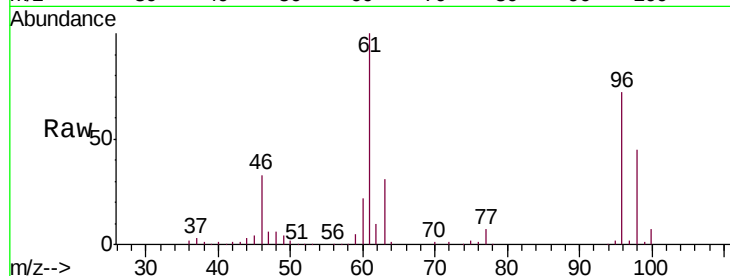


#22

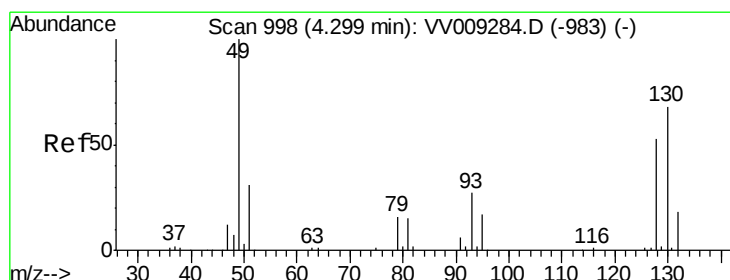
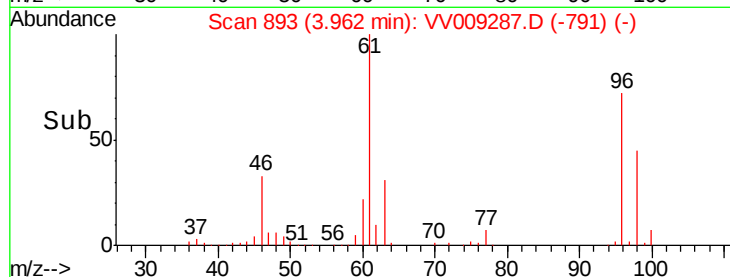
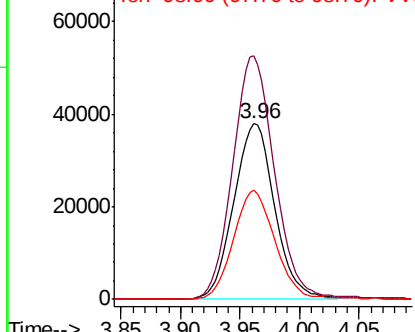
cis-1,2-Dichloroethene
 Concen: 24.925 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV009287.D
 Acq: 12 Feb 2019 14:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

Tgt Ion: 96 Resp: 90783
 Ion Ratio Lower Upper
 96 100
 61 138.7 99.3 184.5
 98 62.3 44.4 82.4



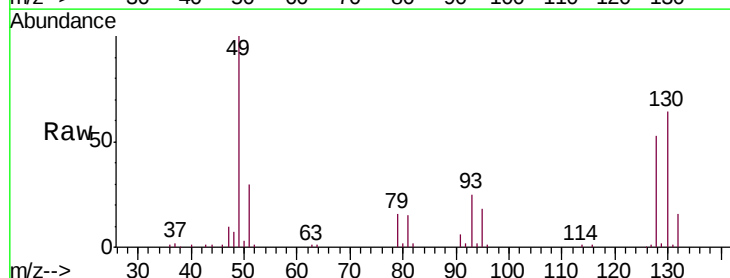
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



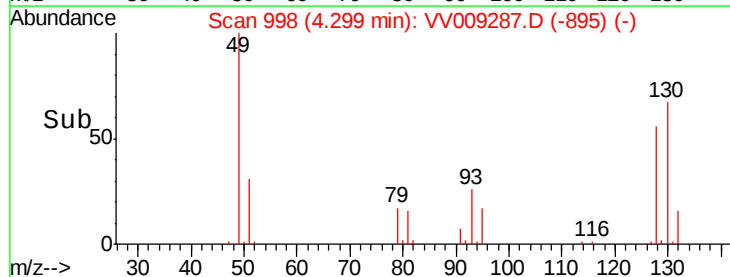
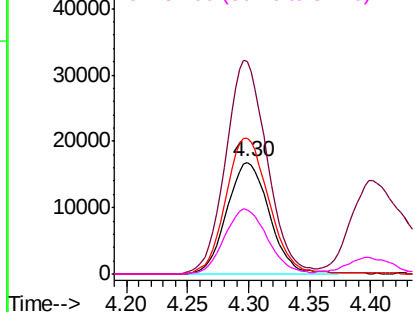
#23

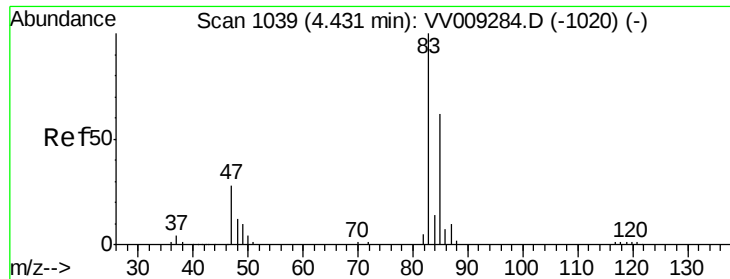
Bromochloromethane
 Concen: 25.042 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV009287.D
 Acq: 12 Feb 2019 14:57

Tgt Ion: 128 Resp: 40920
 Ion Ratio Lower Upper
 128 100
 49 189.8 132.6 246.2
 130 121.0 89.0 165.2
 51 57.5 46.5 69.7



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

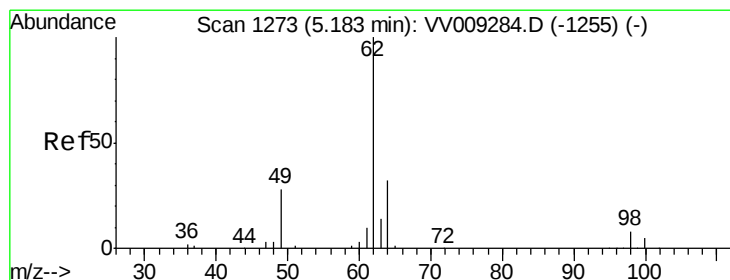
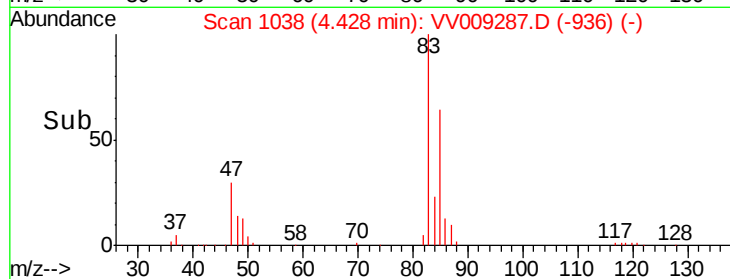
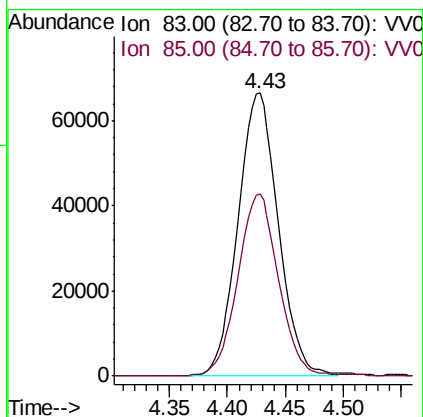
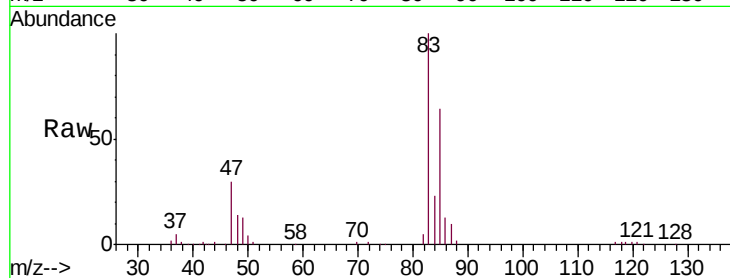




#25
Chloroform
Concen: 24.152 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009287.D
Acq: 12 Feb 2019 14:57

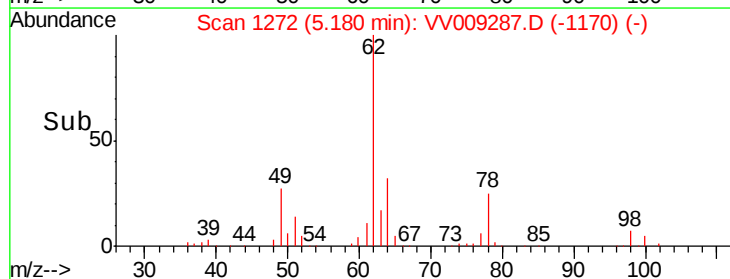
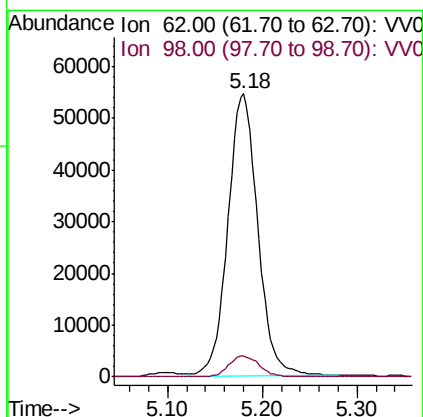
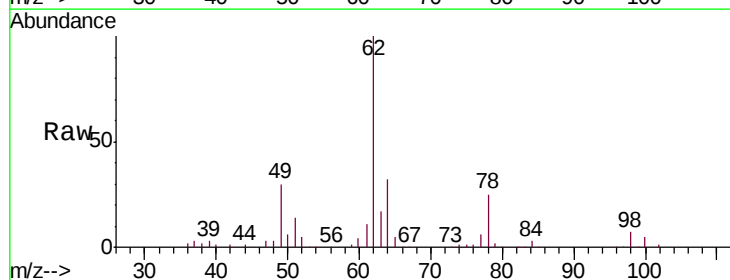
Instrument :
MSVOA_V
ClientSampleId :
VICV66

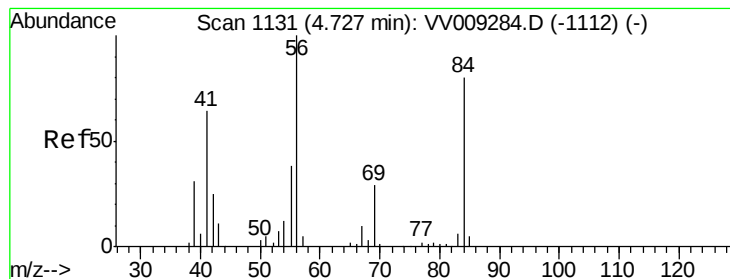
Tgt Ion: 83 Resp: 161177
Ion Ratio Lower Upper
83 100
85 64.8 44.9 83.3



#27
1,2-Dichloroethane
Concen: 25.056 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009287.D
Acq: 12 Feb 2019 14:57

Tgt Ion: 62 Resp: 120001
Ion Ratio Lower Upper
62 100
98 7.3 6.2 9.2





#30

Cyclohexane

Concen: 25.039 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

VICV66

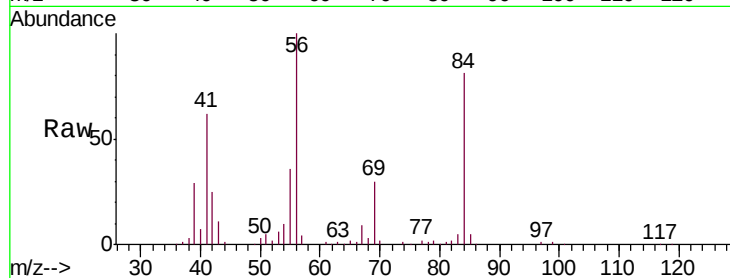
Tgt Ion: 56 Resp: 165311

Ion Ratio Lower Upper

56 100

69 29.4 23.8 35.6

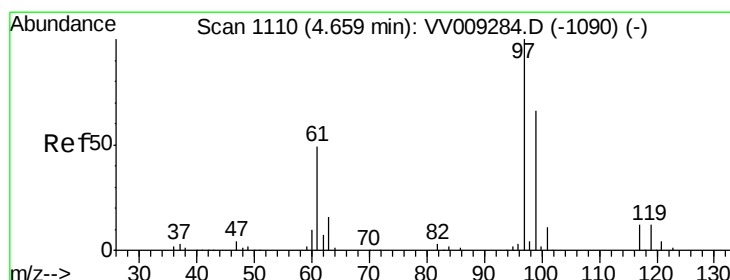
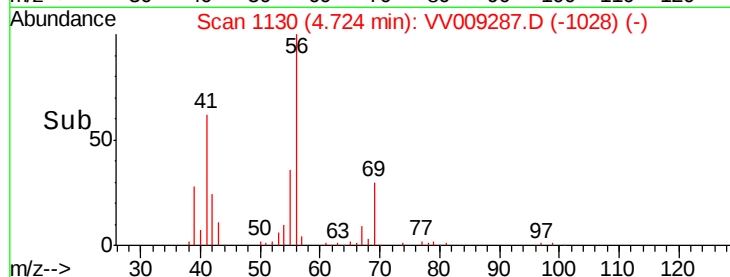
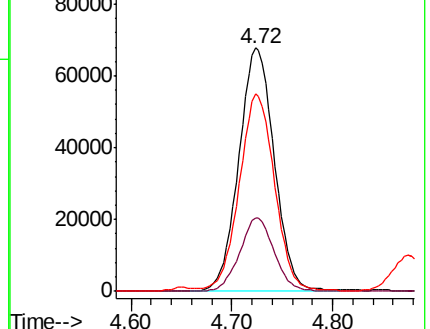
84 80.9 62.4 93.6



Abundance Ion 56.00 (55.70 to 56.70): VV009284.D (-1112) (-)

Ion 69.00 (68.70 to 69.70): VV009284.D (-1112) (-)

Ion 84.00 (83.70 to 84.70): VV009284.D (-1112) (-)



#31

1,1,1-Trichloroethane

Concen: 24.115 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

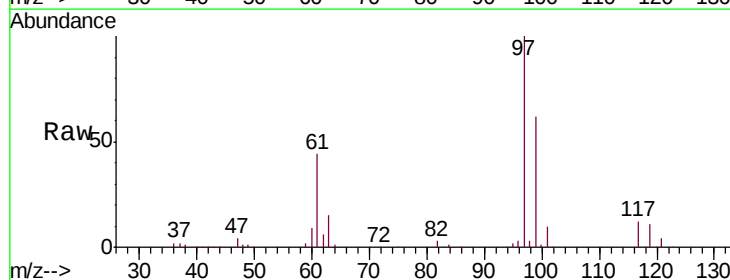
Tgt Ion: 97 Resp: 146015

Ion Ratio Lower Upper

97 100

99 63.8 51.5 77.3

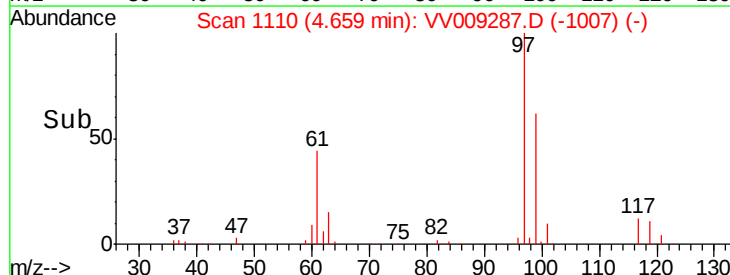
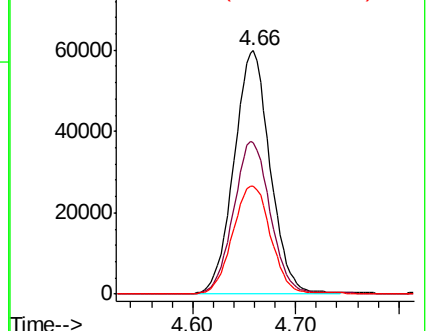
61 46.6 39.0 58.4

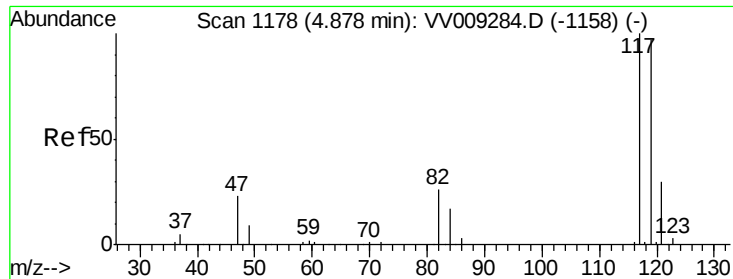


Abundance Ion 97.00 (96.70 to 97.70): VV009284.D (-1090) (-)

Ion 99.00 (98.70 to 99.70): VV009284.D (-1090) (-)

Ion 61.00 (60.70 to 61.70): VV009284.D (-1090) (-)





#32

Carbon tetrachloride

Concen: 24.492 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampled :

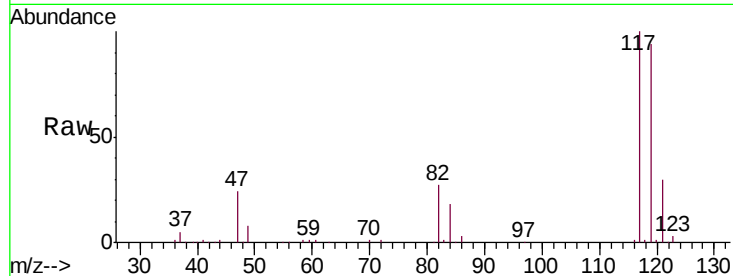
VICV66

Tgt Ion:117 Resp: 131111

Ion Ratio Lower Upper

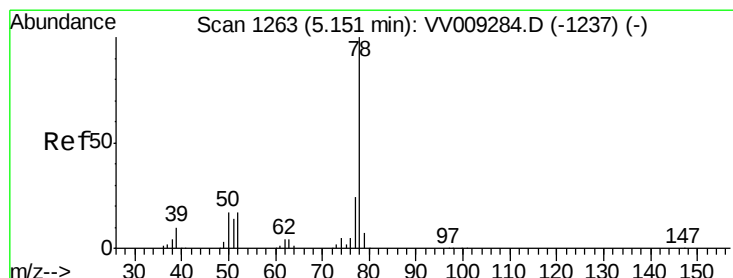
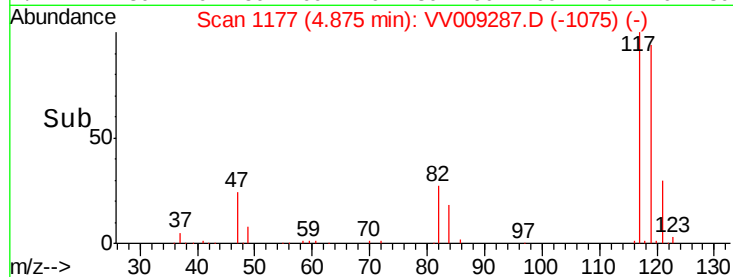
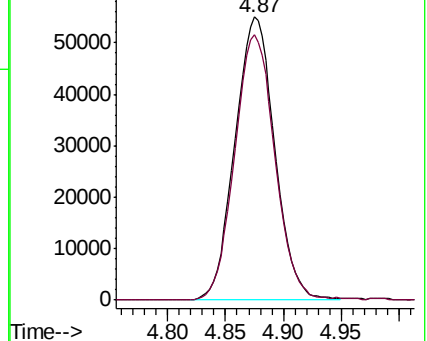
117 100

119 94.4 77.3 115.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.667 ug/L

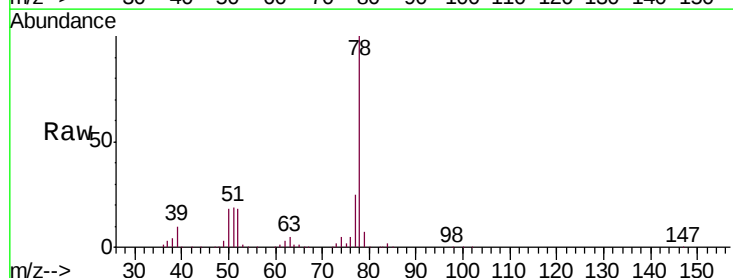
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

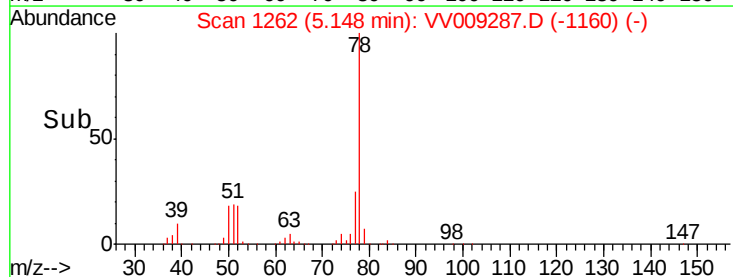
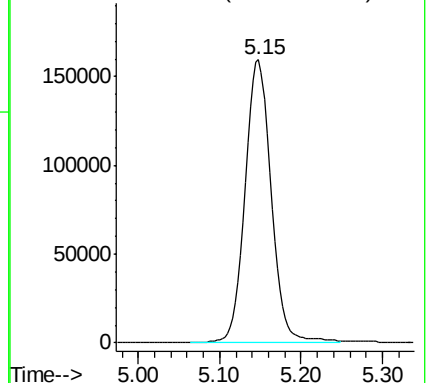
Lab File: VV009287.D

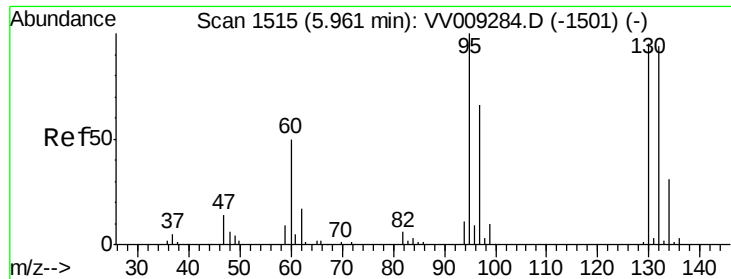
Acq: 12 Feb 2019 14:57

Tgt Ion: 78 Resp: 352265



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 24.348 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

VICV66

Tgt Ion: 95 Resp: 94290

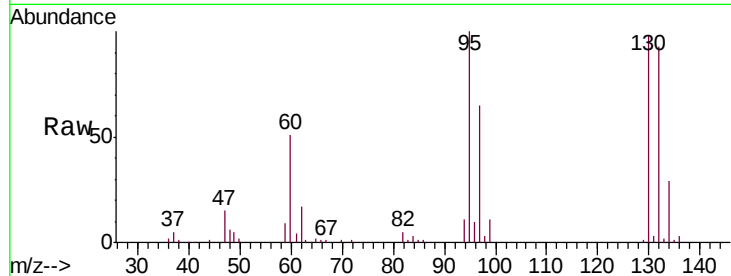
Ion Ratio Lower Upper

95 100

97 63.5 44.4 82.4

132 92.1 64.5 119.9

130 96.7 65.0 120.8

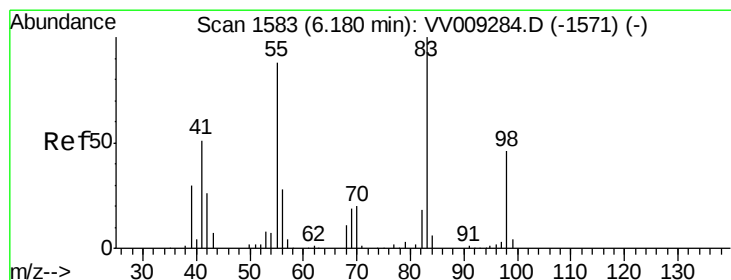
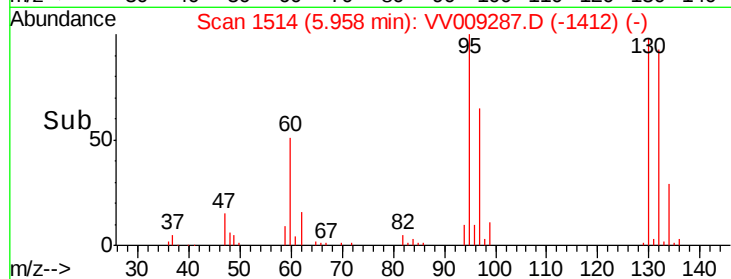
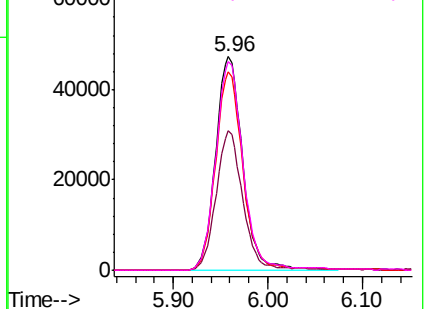


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 24.068 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

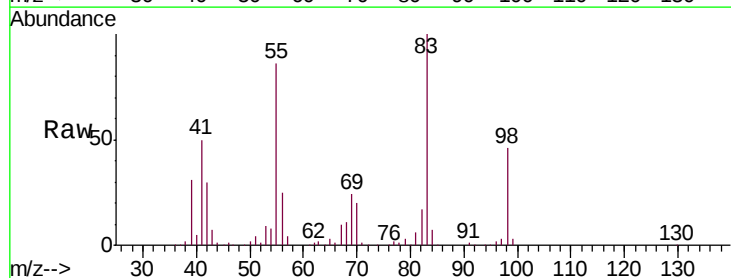
Tgt Ion: 83 Resp: 155779

Ion Ratio Lower Upper

83 100

55 86.5 69.7 104.5

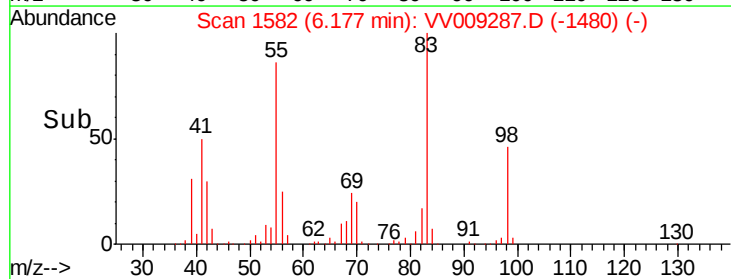
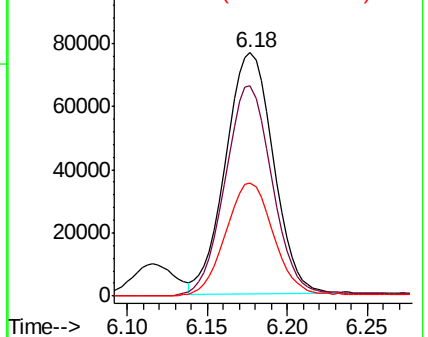
98 47.1 36.6 54.8

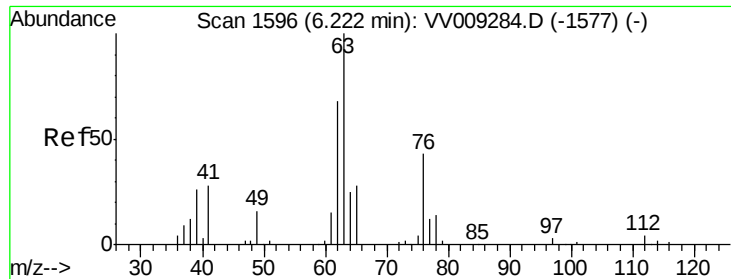


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

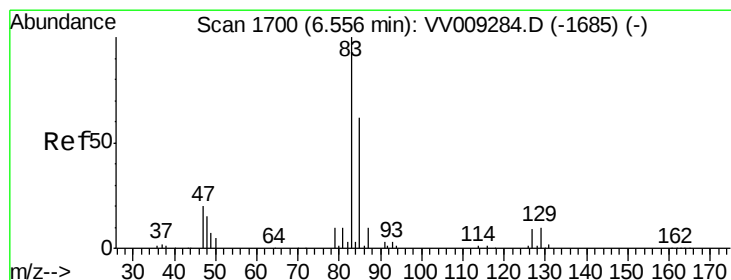
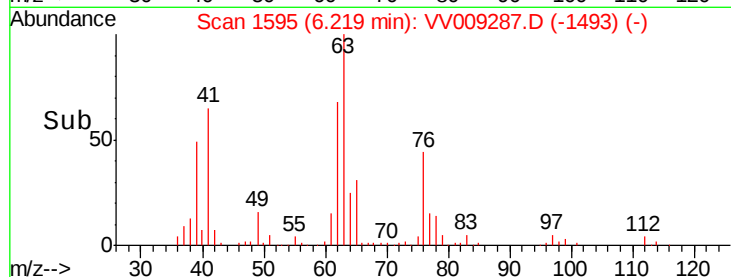
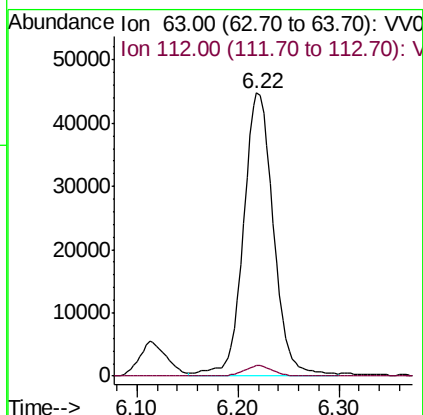
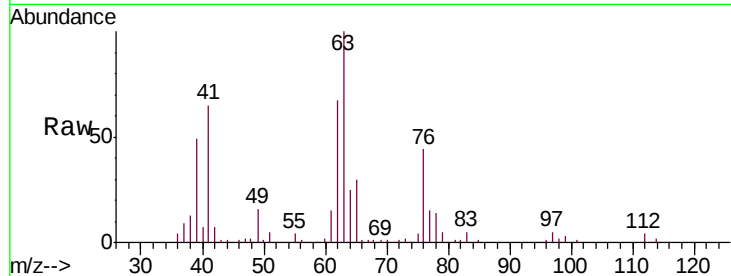




#40
 1,2-Dichloropropane
 Concen: 24.566 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV009287.D
 Acq: 12 Feb 2019 14:57

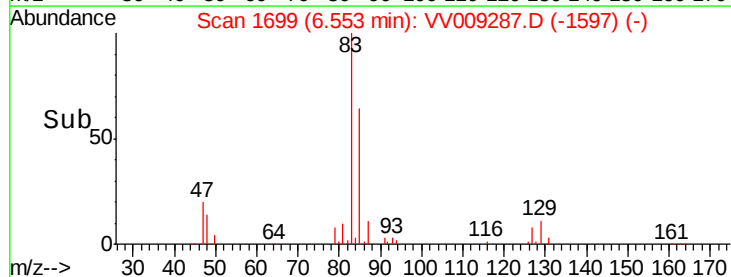
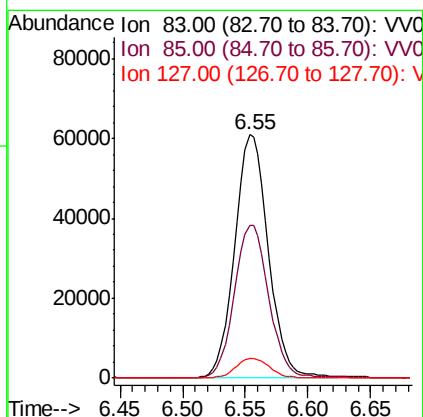
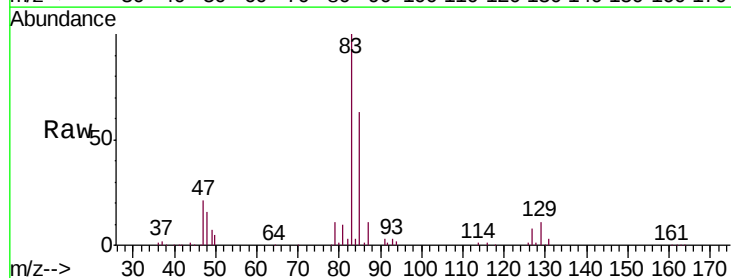
Instrument :
 MSVOA_V
 ClientSampled :
 VICV66

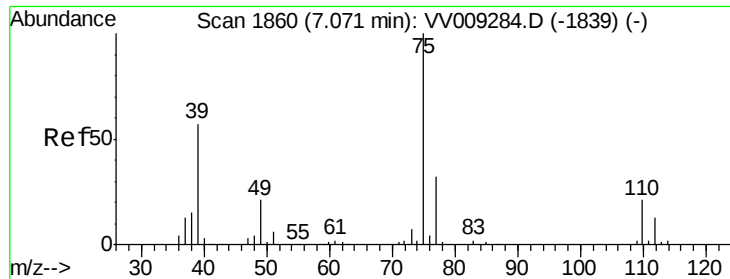
Tgt Ion: 63 Resp: 92402
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.0 4.4



#41
 Bromodichloromethane
 Concen: 23.216 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV009287.D
 Acq: 12 Feb 2019 14:57

Tgt Ion: 83 Resp: 112880
 Ion Ratio Lower Upper
 83 100
 85 62.8 43.5 80.7
 127 8.1 6.9 10.3



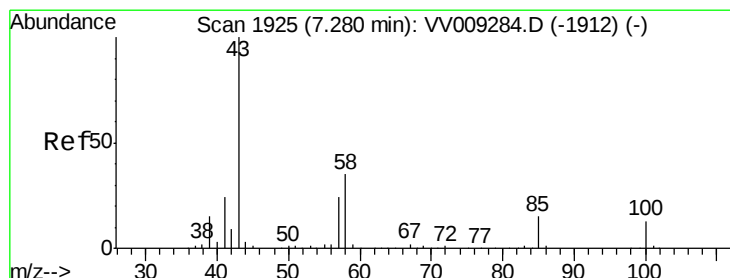
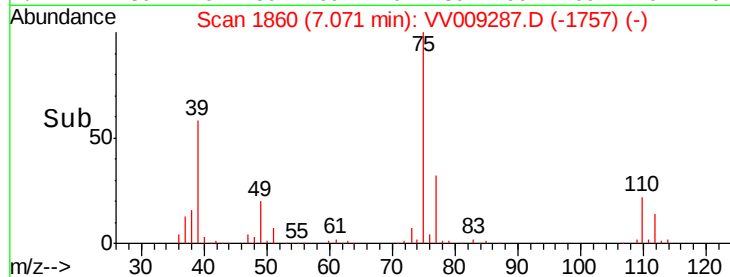
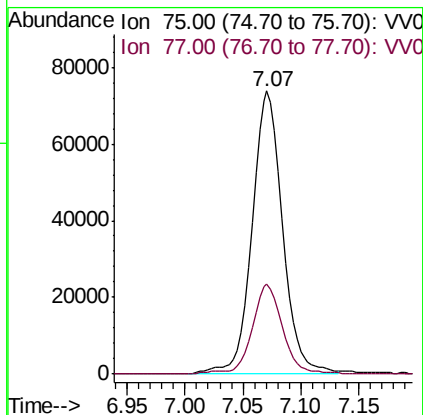
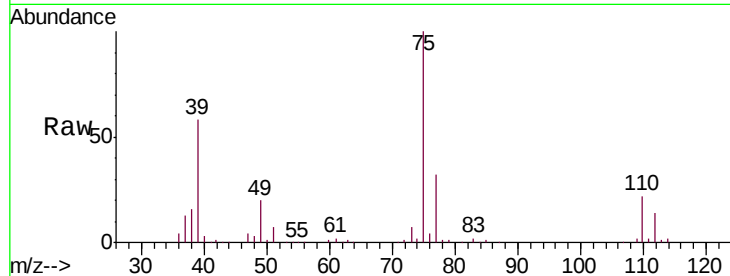


#42

cis-1,3-Dichloropropene
Concen: 24.799 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV009287.D
Acq: 12 Feb 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :
VICV66

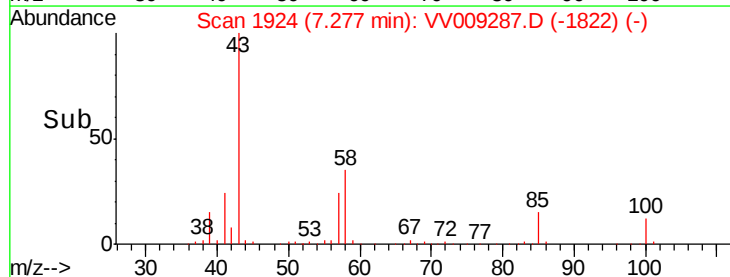
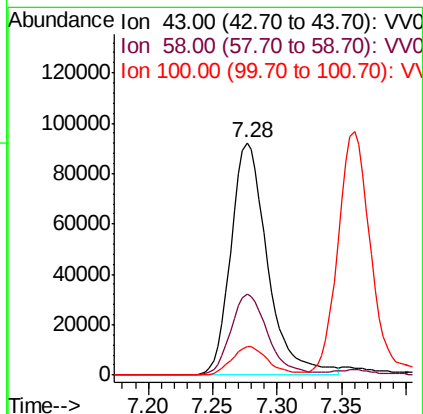
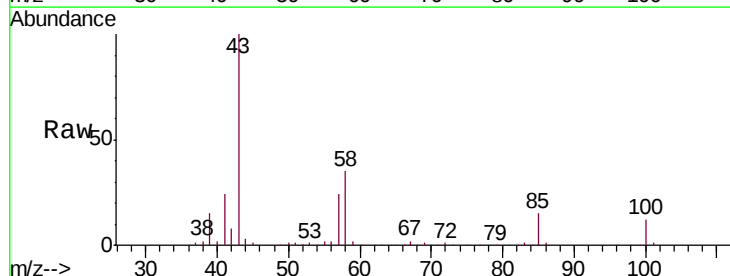
Tgt Ion: 75 Resp: 136201
Ion Ratio Lower Upper
75 100
77 31.7 22.3 41.5

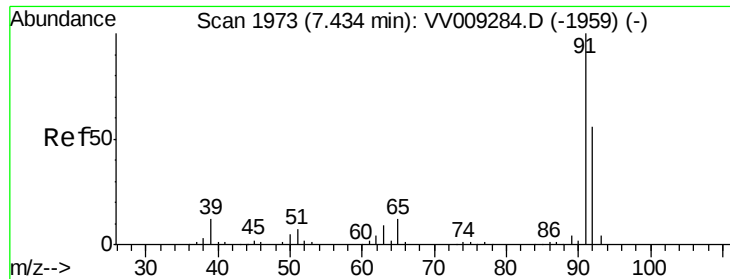


#43

4-Methyl-2-pentanone
Concen: 50.656 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VV009287.D
Acq: 12 Feb 2019 14:57

Tgt Ion: 43 Resp: 182248
Ion Ratio Lower Upper
43 100
58 35.3 28.0 42.0
100 12.2 9.7 14.5





#44

Toluene

Concen: 25.353 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

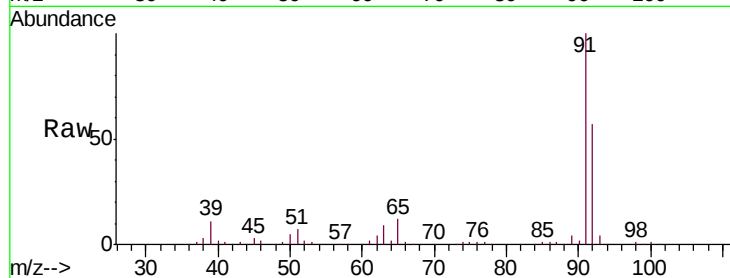
VICV66

Tgt Ion: 91 Resp: 379885

Ion Ratio Lower Upper

91 100

92 57.0 39.1 72.5



Abundance Ion 91.00 (90.70 to 91.70): VV009287.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV009287.D (-1959) (-)

7.43

200000

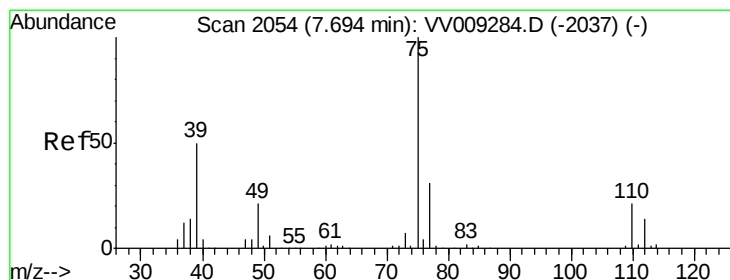
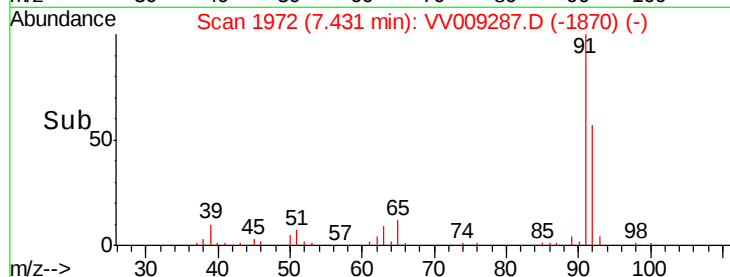
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 23.860 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009287.D

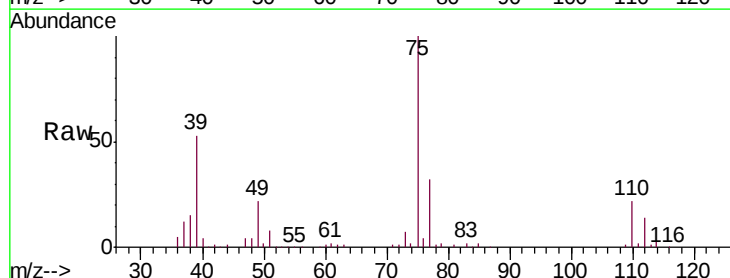
Acq: 12 Feb 2019 14:57

Tgt Ion: 75 Resp: 116777

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV009287.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VV009287.D (-1951) (-)

7.69

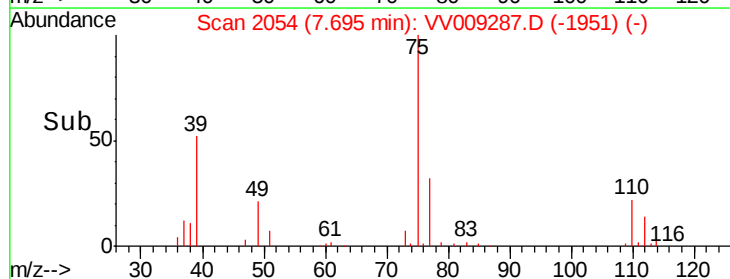
60000

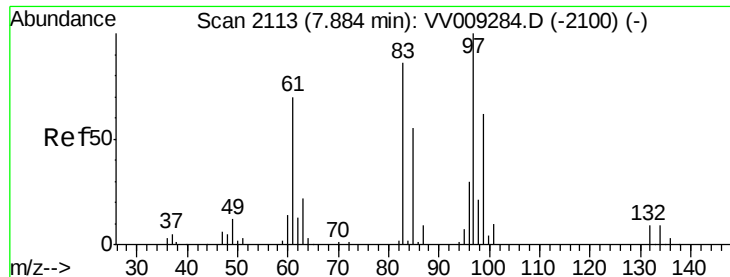
40000

20000

0

Time-->

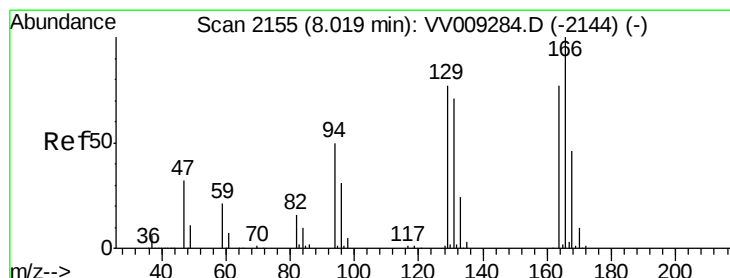
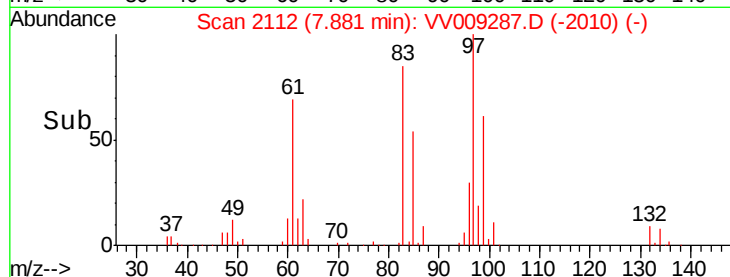
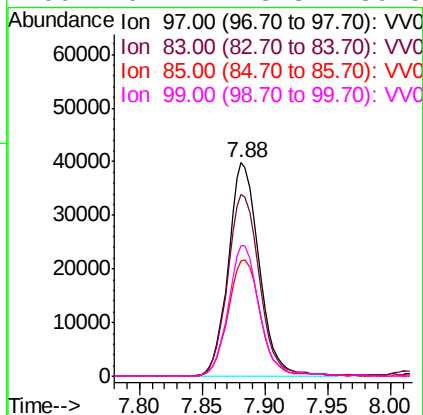
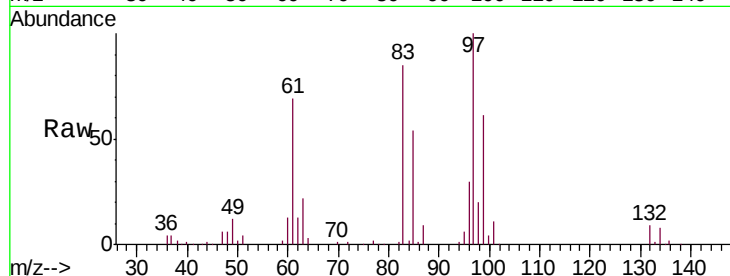




#46
 1,1,2-Trichloroethane
 Concen: 23.795 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009287.D
 Acq: 12 Feb 2019 14:57

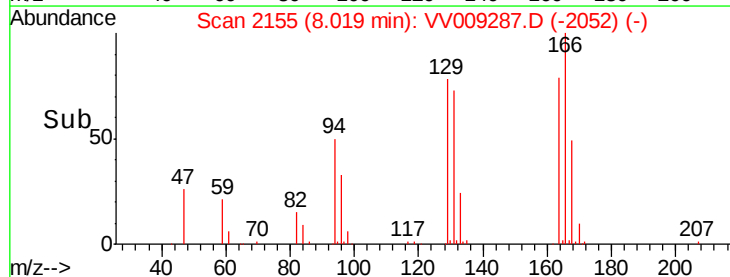
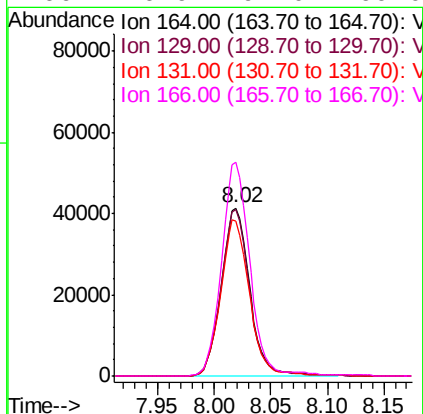
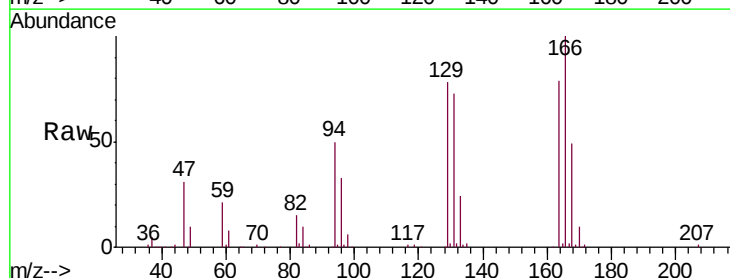
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

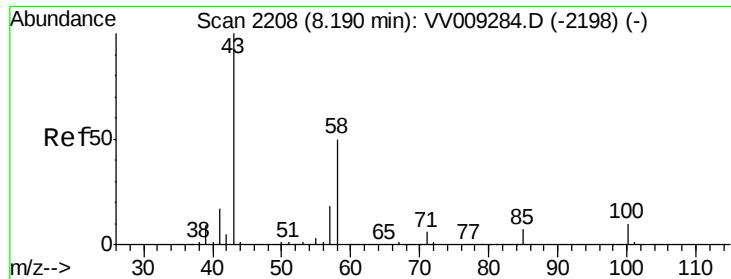
Tgt Ion: 97 Resp: 68118
 Ion Ratio Lower Upper
 97 100
 83 84.9 60.0 111.4
 85 54.2 38.9 72.3
 99 61.4 43.3 80.5



#47
 Tetrachloroethene
 Concen: 24.863 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009287.D
 Acq: 12 Feb 2019 14:57

Tgt Ion: 164 Resp: 72594
 Ion Ratio Lower Upper
 164 100
 129 98.9 69.9 129.9
 131 92.1 65.0 120.8
 166 126.9 91.0 169.0

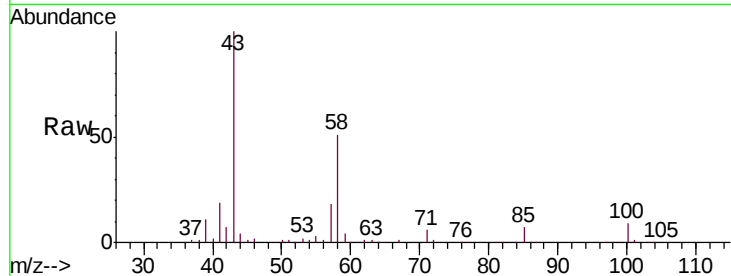




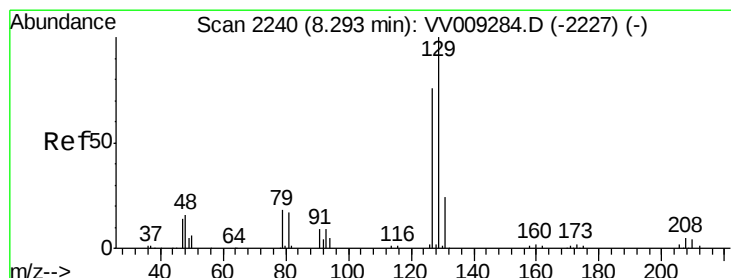
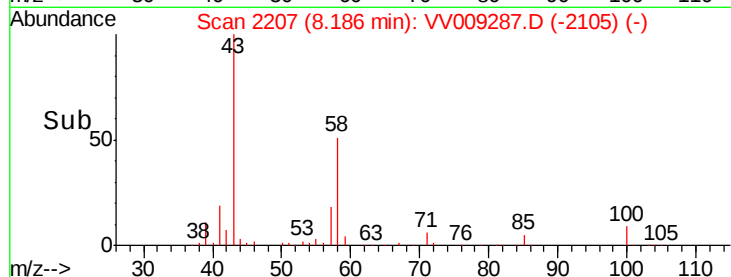
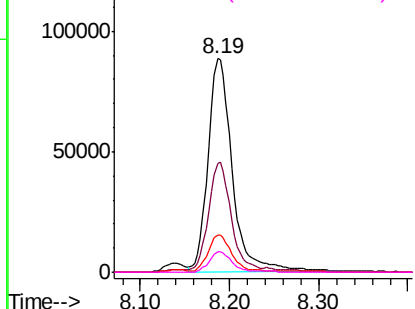
#49
2-Hexanone
Concen: 53.916 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009287.D
Acq: 12 Feb 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :
VICV66

Tgt Ion: 43 Resp: 166340
Ion Ratio Lower Upper
43 100
58 45.7 37.4 56.2
57 16.3 13.0 19.6
100 9.1 7.5 11.3

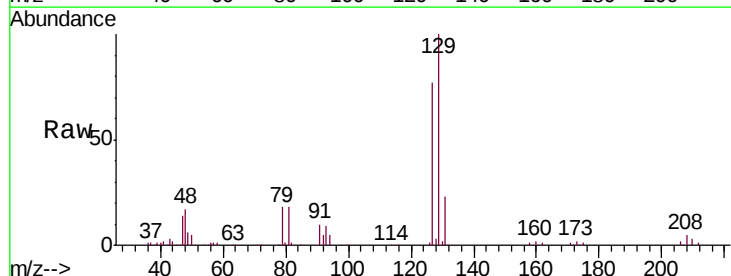


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

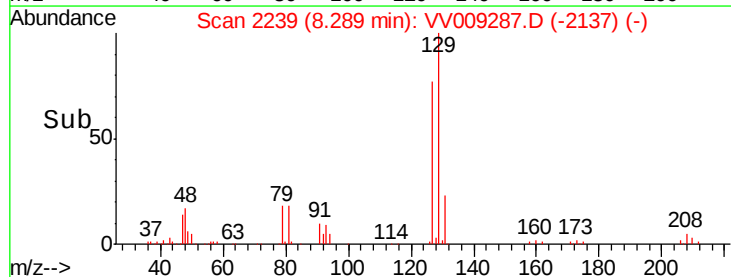
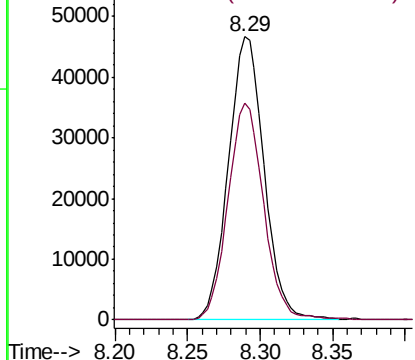


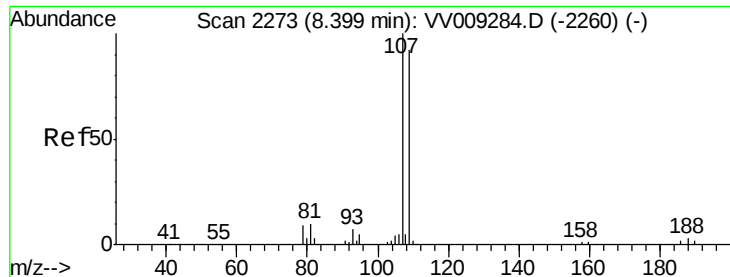
#50
Dibromochloromethane
Concen: 24.218 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009287.D
Acq: 12 Feb 2019 14:57

Tgt Ion: 129 Resp: 79605
Ion Ratio Lower Upper
129 100
127 76.6 53.1 98.7



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





#51

1,2-Dibromoethane

Concen: 24.263 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampled :

VICV66

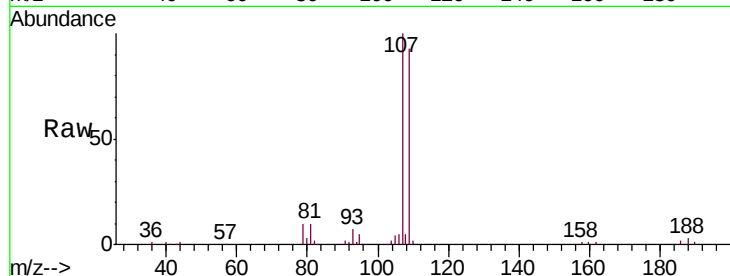
Tgt Ion:107 Resp: 69625

Ion Ratio Lower Upper

107 100

109 93.4 64.2 119.2

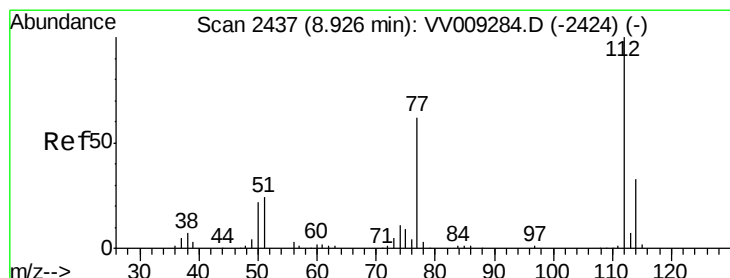
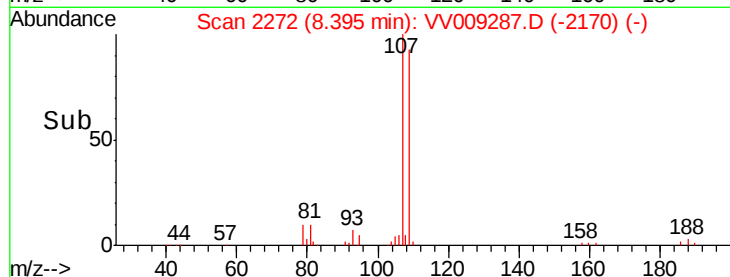
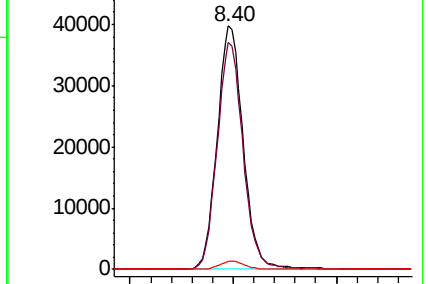
188 3.2 2.6 4.0



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: 24.167 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

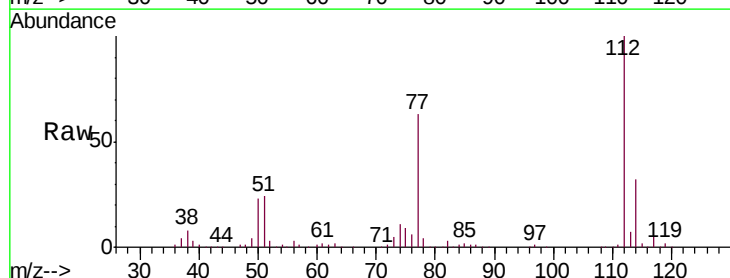
Tgt Ion:112 Resp: 228799

Ion Ratio Lower Upper

112 100

77 62.6 50.2 75.4

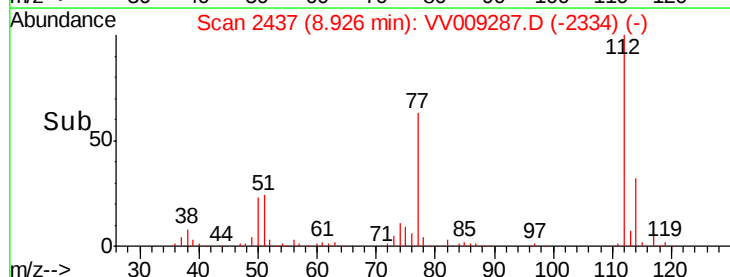
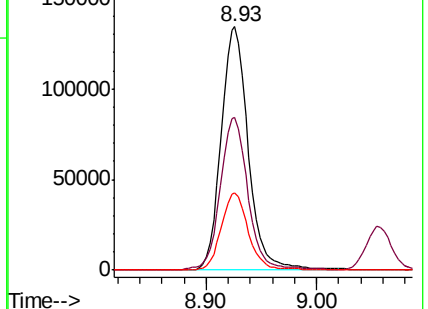
114 31.9 22.9 42.5

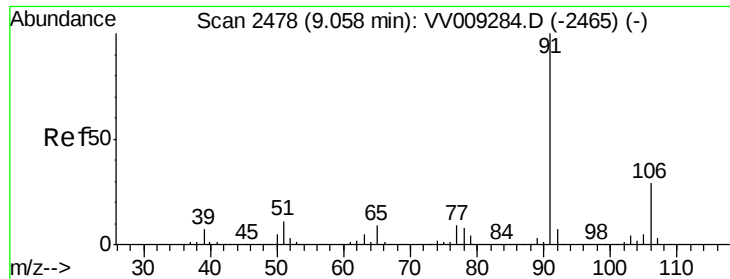


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.212 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

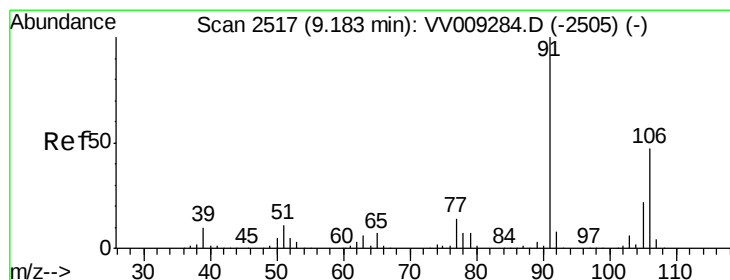
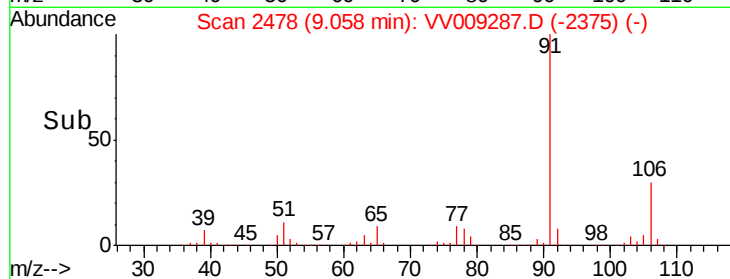
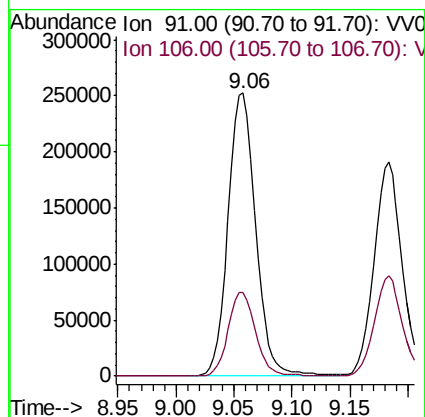
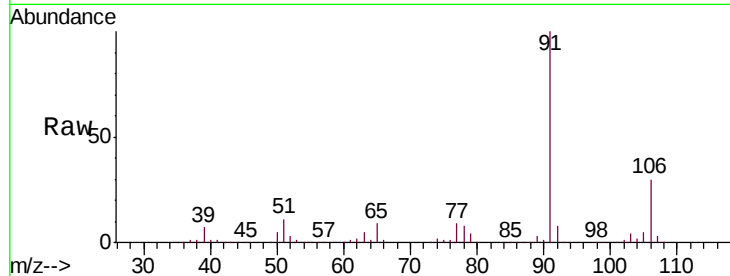
VICV66

Tgt Ion: 91 Resp: 418550

Ion Ratio Lower Upper

91 100

106 29.6 20.6 38.2



#54

m,p-Xylene

Concen: 24.748 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009287.D

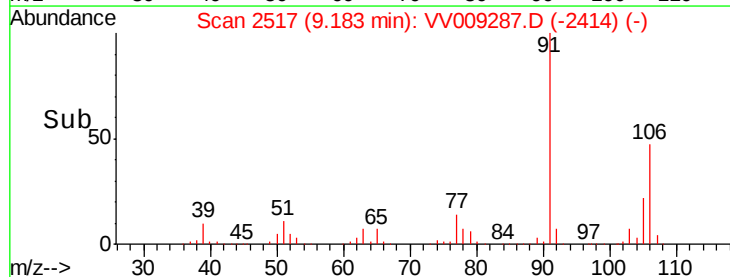
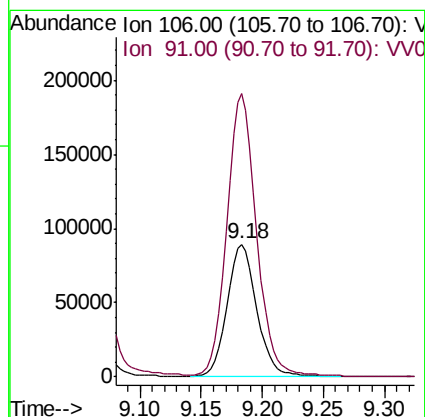
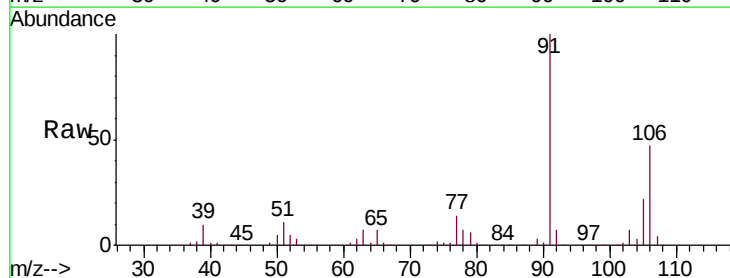
Acq: 12 Feb 2019 14:57

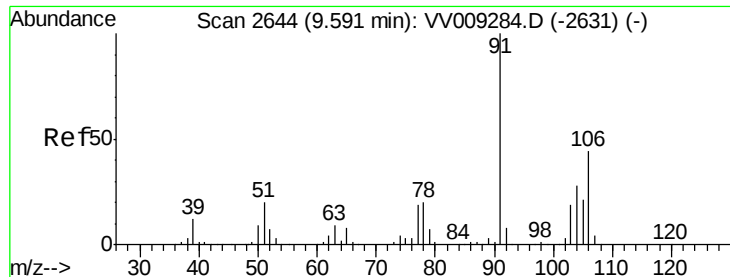
Tgt Ion: 106 Resp: 151286

Ion Ratio Lower Upper

106 100

91 213.1 149.4 277.5





#55

o-xylene

Concen: 24.979 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

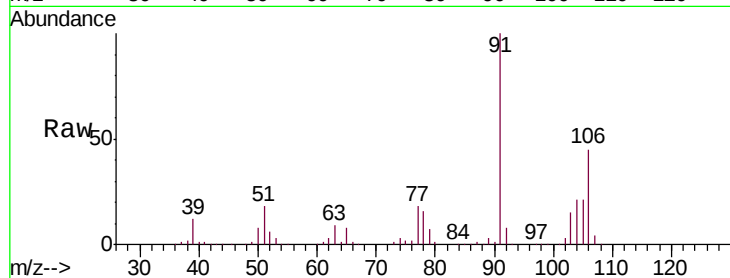
VICV66

Tgt Ion:106 Resp: 144482

Ion Ratio Lower Upper

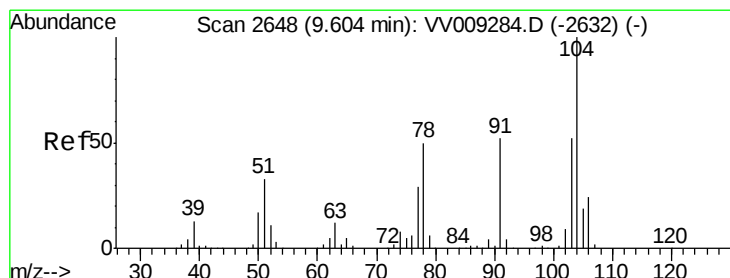
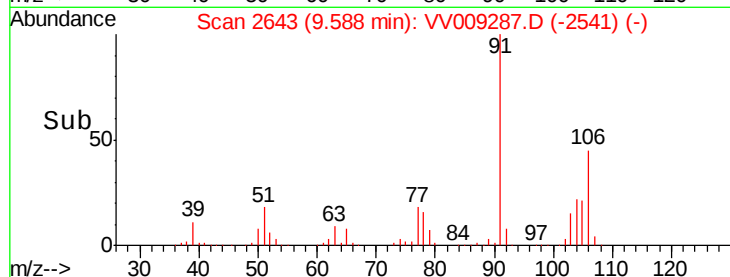
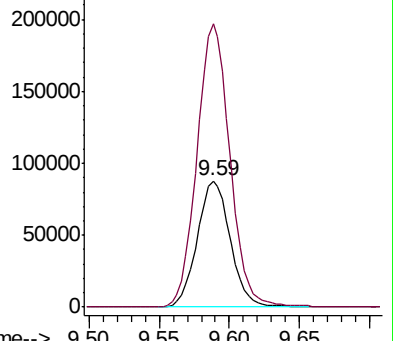
106 100

91 224.6 159.0 295.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 25.570 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009287.D

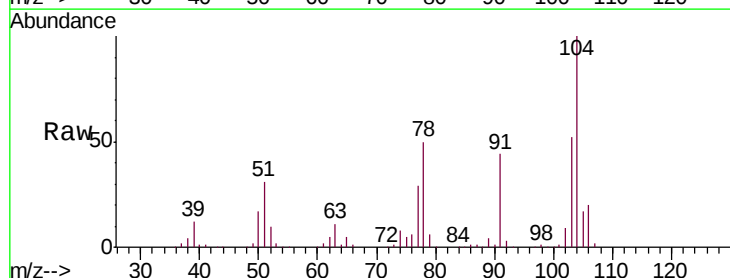
Acq: 12 Feb 2019 14:57

Tgt Ion:104 Resp: 249004

Ion Ratio Lower Upper

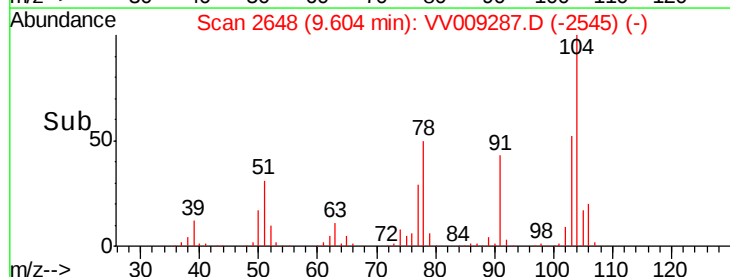
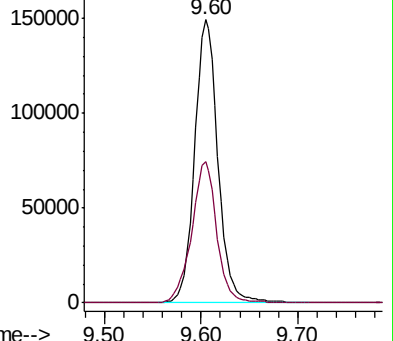
104 100

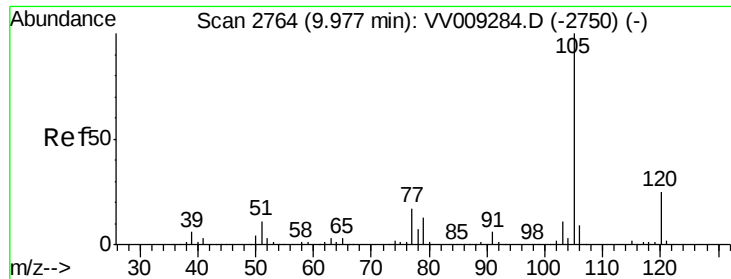
78 49.8 34.8 64.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 25.380 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

VICV66

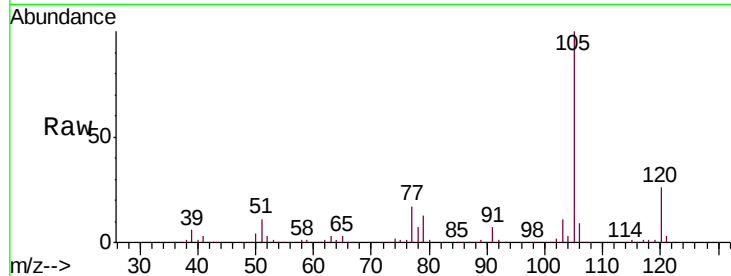
Tgt Ion: 105 Resp: 402859

Ion Ratio Lower Upper

105 100

120 26.2 20.3 30.5

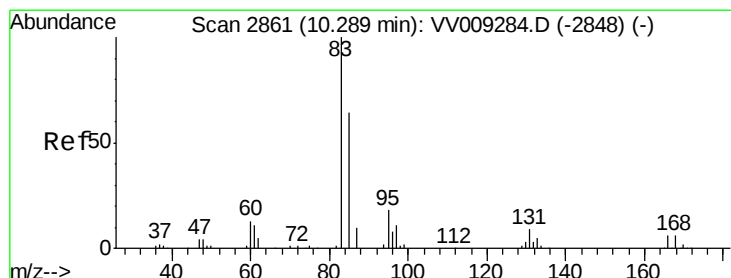
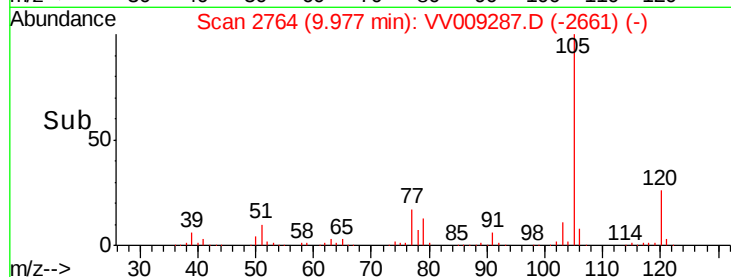
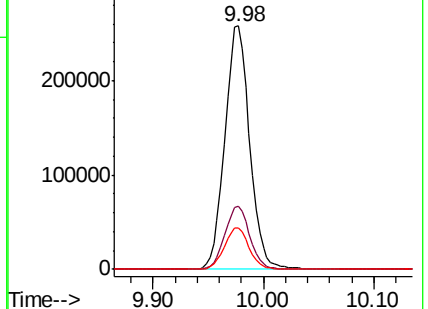
77 17.0 13.4 20.0



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: 23.533 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

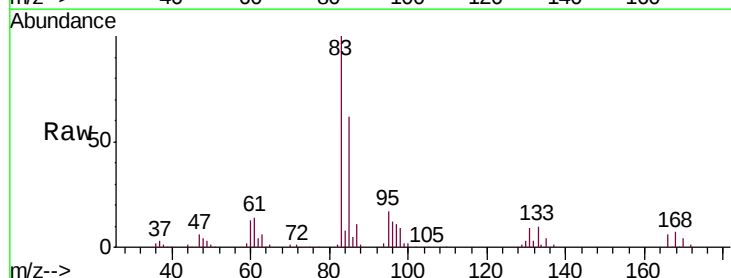
Tgt Ion: 83 Resp: 98320

Ion Ratio Lower Upper

83 100

85 61.7 45.1 83.7

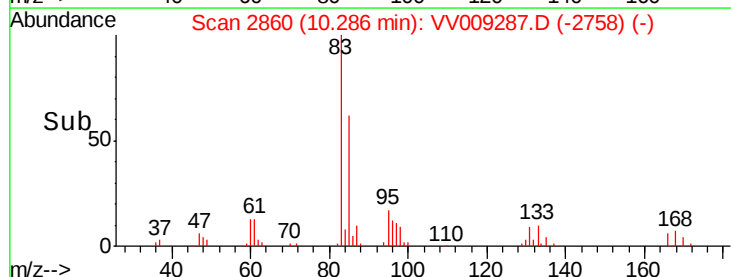
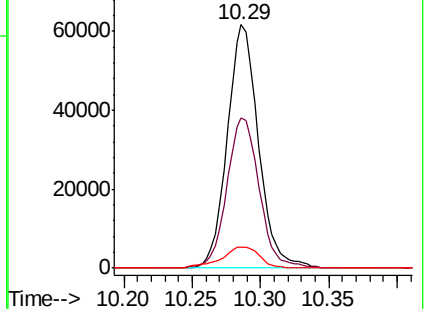
131 8.8 7.9 11.9

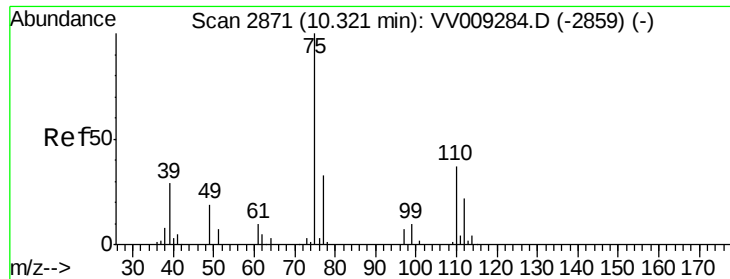


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.493 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampled :

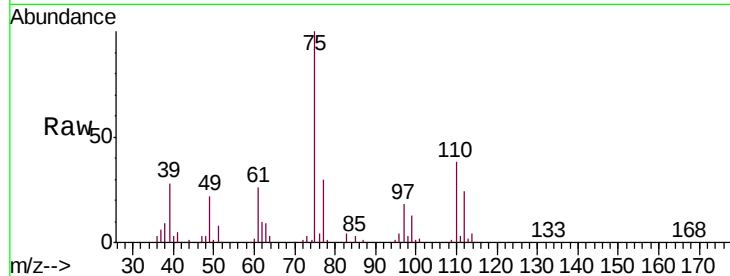
VICV66

Tgt Ion: 75 Resp: 80073

Ion Ratio Lower Upper

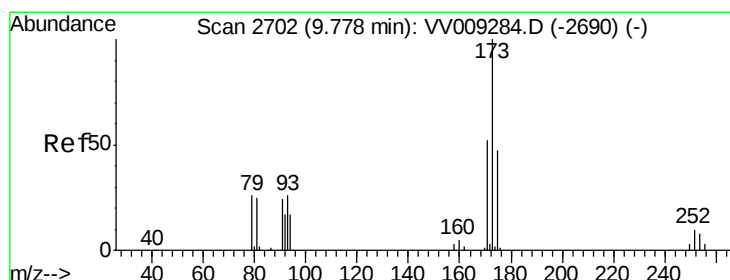
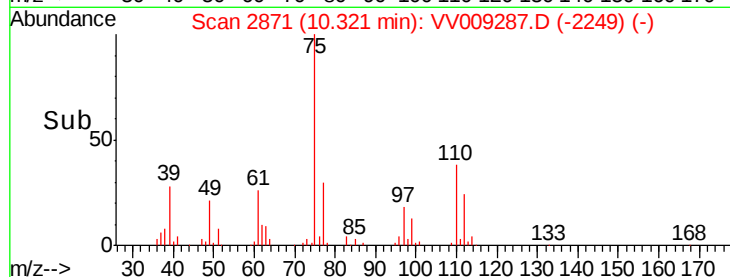
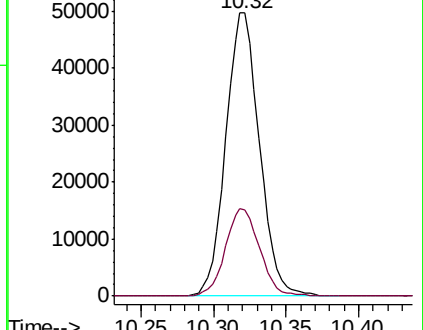
75 100

77 31.4 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV009284.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009284.D (-2859) (-)



#62

Bromoform

Concen: 24.259 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

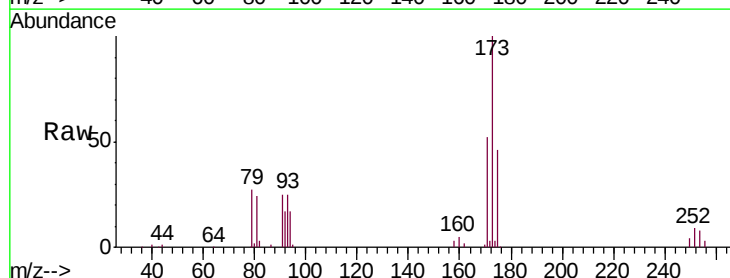
Tgt Ion: 173 Resp: 47955

Ion Ratio Lower Upper

173 100

175 47.4 38.8 58.2

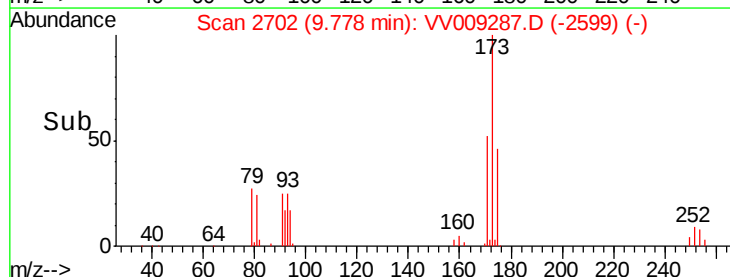
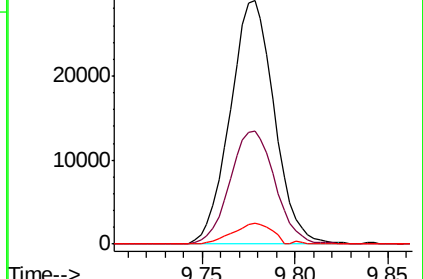
254 7.5 7.0 10.4

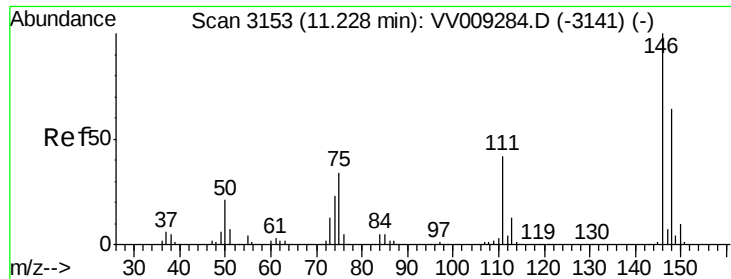


Abundance Ion 173.00 (172.70 to 173.70): VV009284.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV009284.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV009284.D (-2690) (-)





#63

1,3-Dichlorobenzene

Concen: 24.821 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

VICV66

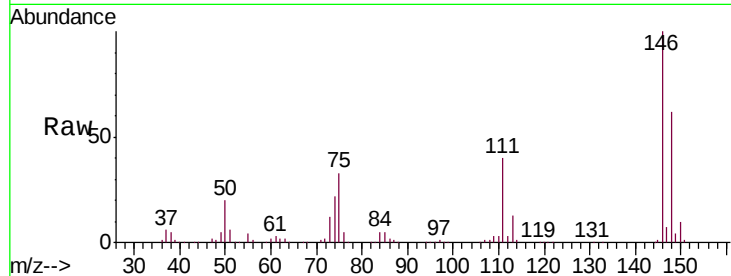
Tgt Ion:146 Resp: 175528

Ion Ratio Lower Upper

146 100

111 40.3 29.3 54.5

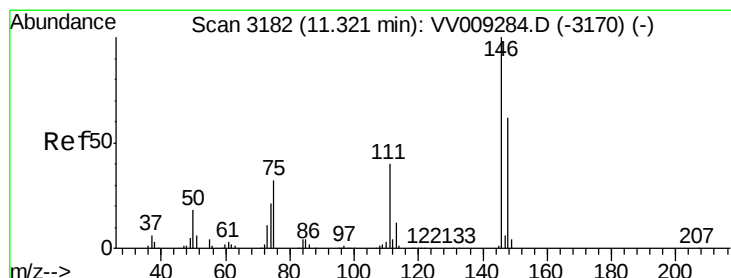
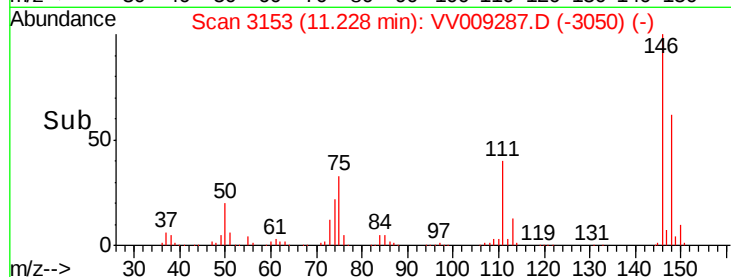
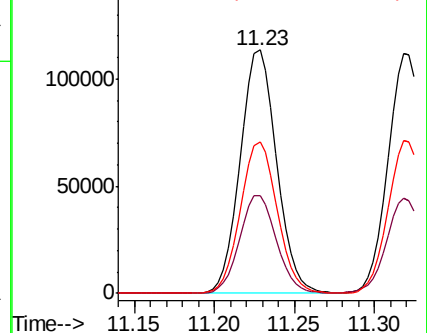
148 62.3 44.9 83.3



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: 24.569 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

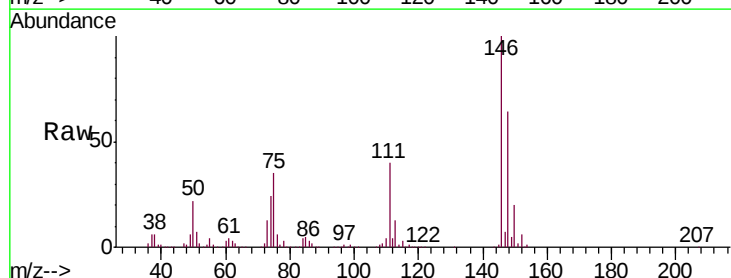
Tgt Ion:146 Resp: 175594

Ion Ratio Lower Upper

146 100

111 39.7 28.2 52.4

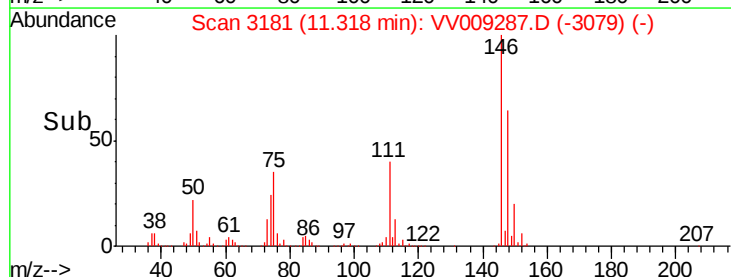
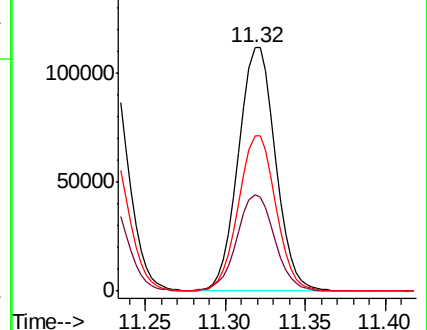
148 63.7 43.6 81.0

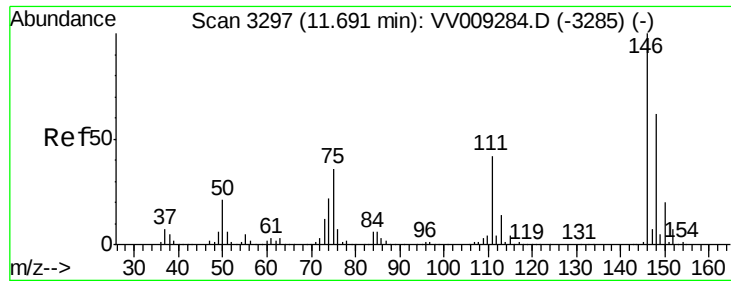


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 25.253 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampled :

VICV66

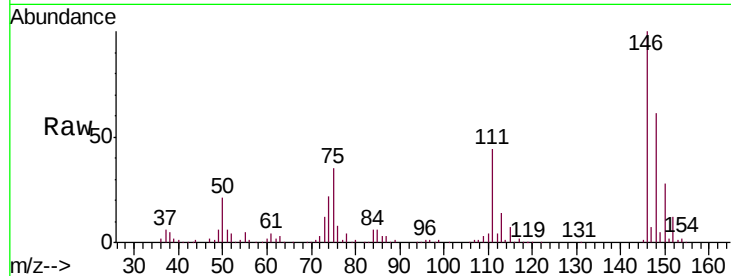
Tgt Ion: 146 Resp: 167201

Ion Ratio Lower Upper

146 100

111 43.6 33.9 50.9

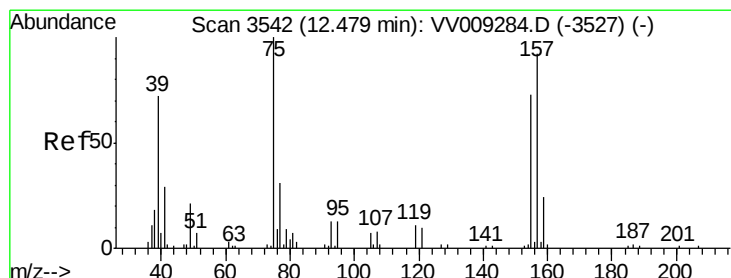
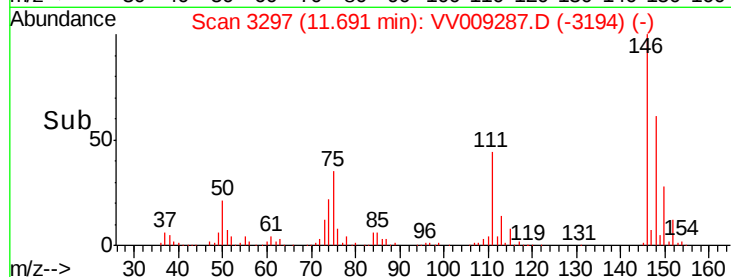
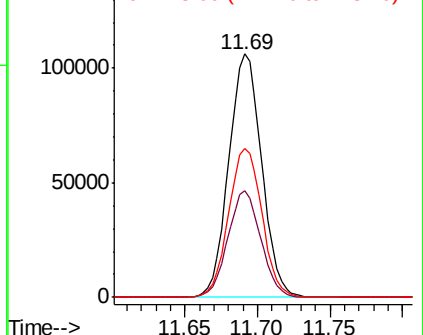
148 61.4 49.9 74.9



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: 25.190 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

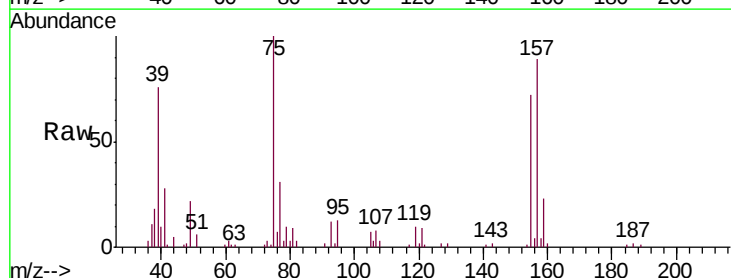
Tgt Ion: 75 Resp: 21074

Ion Ratio Lower Upper

75 100

157 89.4 73.5 110.3

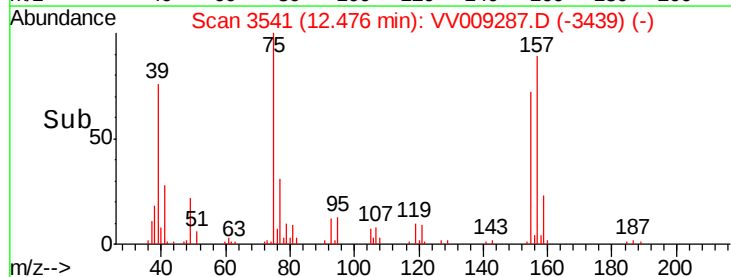
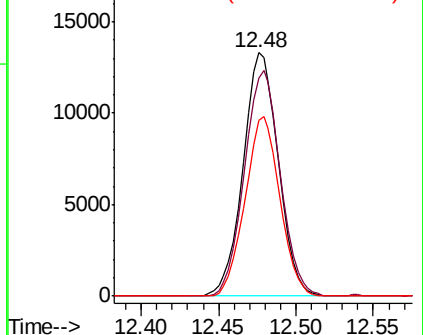
155 72.0 58.2 87.4

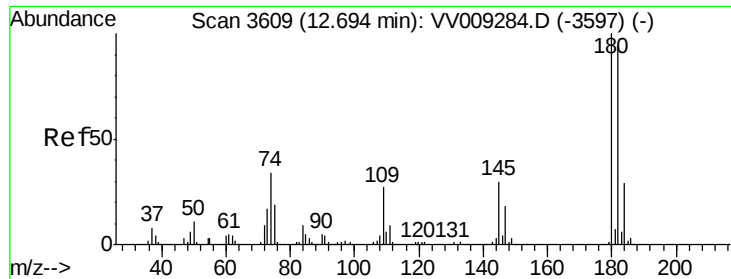


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

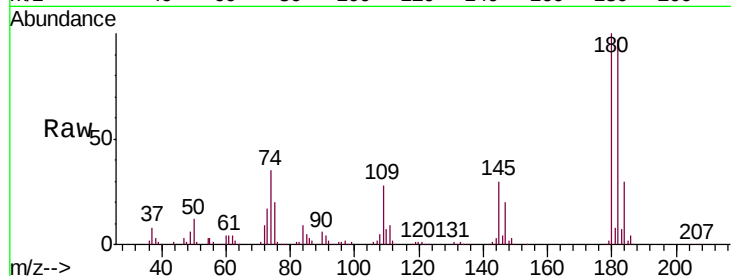




#67
 1,3,5-Trichlorobenzene
 Concen: 25.412 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009287.D
 Acq: 12 Feb 2019 14:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.7	113.5
184	30.2	23.4	35.2
145	30.1	24.0	36.0



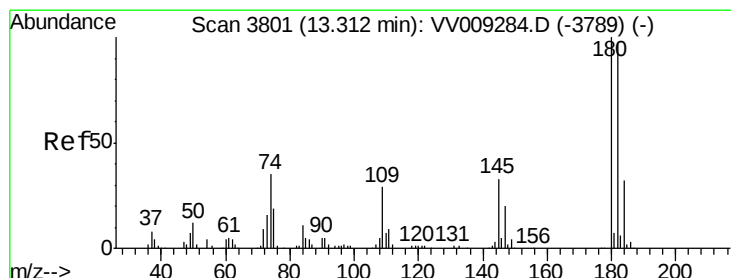
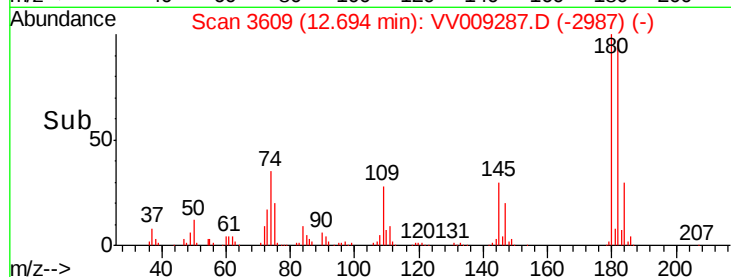
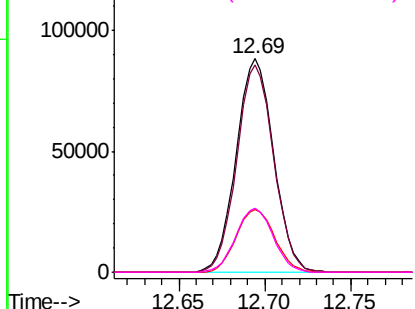
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

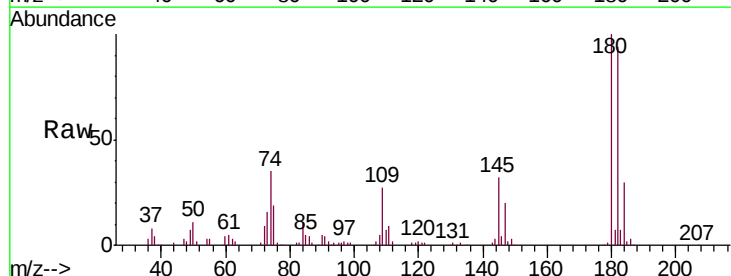
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.587 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009287.D
 Acq: 12 Feb 2019 14:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.4	114.6
145	31.3	25.8	38.8

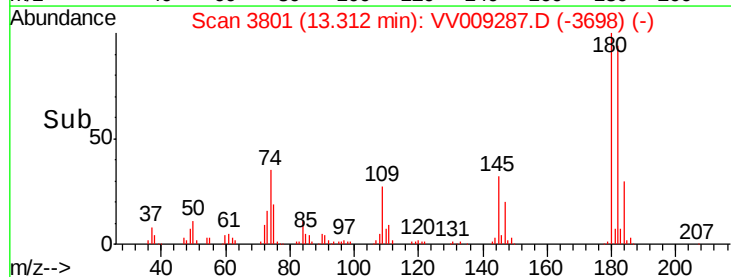
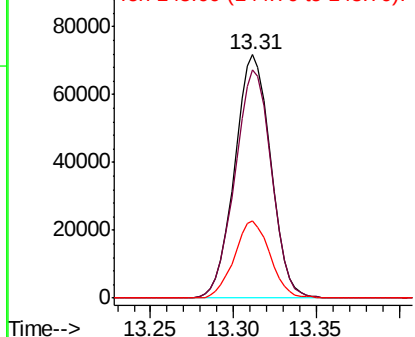


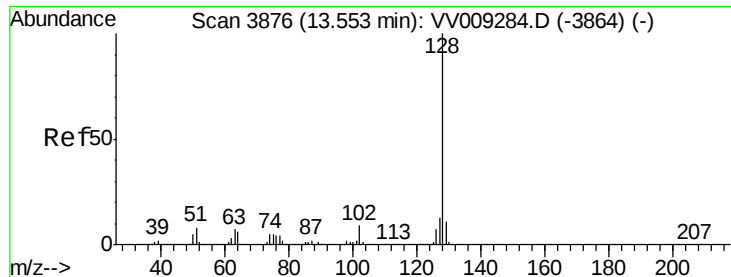
Abundance

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: 30.217 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

VICV66

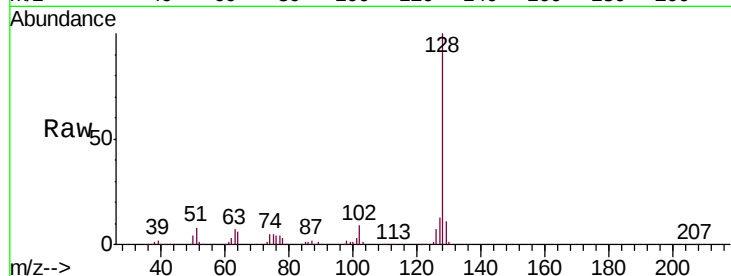
Tgt Ion:128 Resp: 249309

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

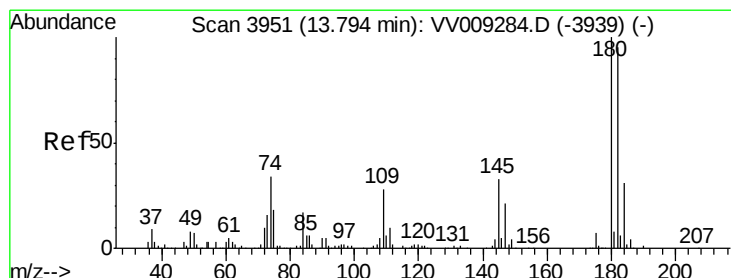
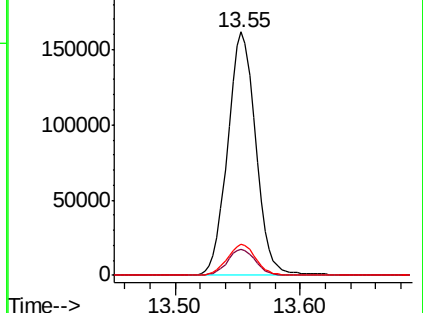
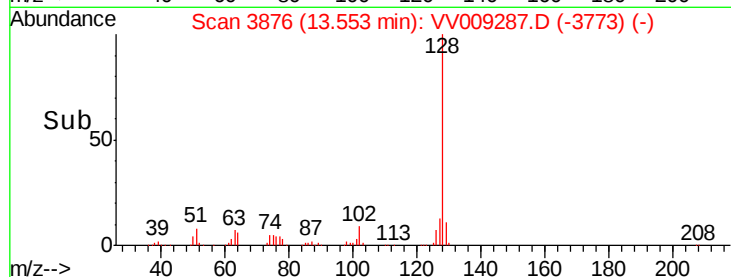
127 13.0 10.6 16.0



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: 27.803 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009287.D

Acq: 12 Feb 2019 14:57

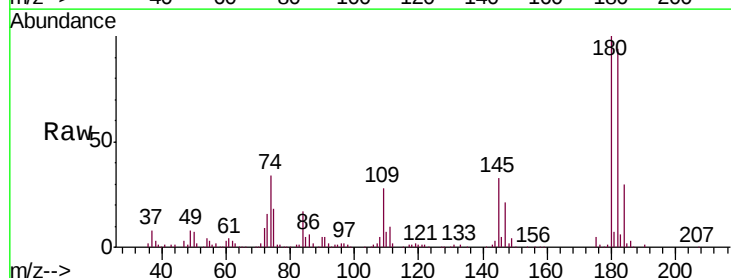
Tgt Ion:180 Resp: 103366

Ion Ratio Lower Upper

180 100

182 95.3 76.3 114.5

145 32.9 27.0 40.4



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

