

Data File : VU032949.D
Acq On : 21 Jun 2019 17:11
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Quant Time: Jun 22 00:38:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 00:32:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	182361	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	180581	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	96410	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	52430	42.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.14%
7) Chloroethane-d5	1.67	69	45559	45.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.68%
11) 1,1-Dichloroethene-d2	2.27	63	112506	44.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.62%
21) 2-Butanone-d5	4.17	46	118436	114.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.18%
24) Chloroform-d	4.64	84	121890	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.62%
26) 1,2-Dichloroethane-d4	5.30	65	84544	52.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.78%
32) Benzene-d6	5.33	84	230096	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.76%
36) 1,2-Dichloropropane-d6	6.32	67	75103	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.16%
41) Toluene-d8	7.56	98	217218	49.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.54%
43) trans-1,3-Dichloropropene-	7.84	79	40107	51.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.84%
47) 2-Hexanone-d5	8.31	63	74174	105.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118617	51.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.34%
64) 1,2-Dichlorobenzene-d4	11.85	152	92442	49.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.10%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	88632	48.116	ug/L 99
3) Chloromethane	1.32	50	76618	45.891	ug/L 99
5) Vinyl chloride	1.40	62	77566	46.840	ug/L 100
6) Bromomethane	1.62	94	38800	39.817	ug/L 100
8) Chloroethane	1.69	64	45657	47.896	ug/L 99
9) Trichlorofluoromethane	1.88	101	110387	47.514	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	57691	47.342	ug/L 98
12) 1,1-Dichloroethene	2.28	96	52356	45.591	ug/L 95
13) Acetone	2.32	43	108015	75.390	ug/L 97
14) Carbon disulfide	2.47	76	160221	44.092	ug/L 100
15) Methyl Acetate	2.61	43	90179	55.526	ug/L 98
16) Methylene chloride	2.69	84	68211	50.619	ug/L 98
17) trans-1,2-Dichloroethene	2.97	96	59026	47.398	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	206139	51.557	ug/L 98
19) 1,1-Dichloroethane	3.44	63	118561	49.938	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	70739	52.142	ug/L 96
22) 2-Butanone	4.25	43	138486	93.256	ug/L 98

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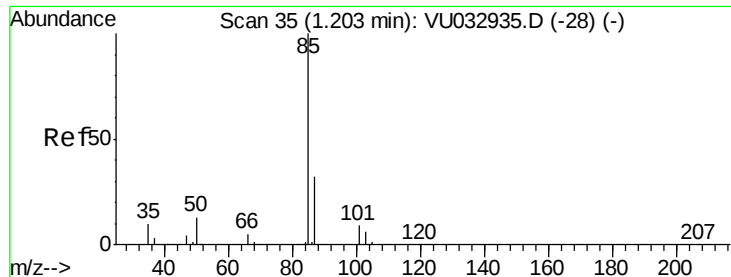
Quant Time: Jun 22 00:38:21 2019
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Quant Title : VOC Analysis
QLast Update : Sat Jun 22 00:32:21 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	36694	51.847	ug/L	99
25) Chloroform	4.67	83	125825	51.392	ug/L	99
27) 1,2-Dichloroethane	5.40	62	110936	55.155	ug/L	98
29) Cyclohexane	4.99	56	98281	46.611	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	107135	48.696	ug/L	99
31) Carbon tetrachloride	5.13	117	93947	46.931	ug/L	98
33) Benzene	5.38	78	253303	48.692	ug/L	100
34) Trichloroethene	6.18	95	66249	47.664	ug/L	97
35) Methylcyclohexane	6.41	83	101855	47.409	ug/L	99
37) 1,2-Dichloropropane	6.43	63	70846	49.648	ug/L	100
38) Bromodichloromethane	6.75	83	94717	49.363	ug/L	96
39) cis-1,3-Dichloropropene	7.26	75	114361	51.441	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	250466	109.940	ug/L	98
42) Toluene	7.63	91	276046	49.045	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	106305	50.909	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	67343	50.704	ug/L	98
46) Tetrachloroethene	8.22	164	53151	46.667	ug/L	98
48) 2-Hexanone	8.36	43	198835	98.919	ug/L	99
49) Dibromochloromethane	8.47	129	78480	49.015	ug/L	97
50) 1,2-Dibromoethane	8.58	107	75956	51.495	ug/L	100
51) Chlorobenzene	9.11	112	178960	48.318	ug/L	97
52) Ethylbenzene	9.24	91	304320	48.847	ug/L	99
53) m,p-Xylene	9.37	106	112801	47.989	ug/L	96
54) o-xylene	9.77	106	113849	49.597	ug/L	97
55) Styrene	9.79	104	196815	49.423	ug/L	96
56) Isopropylbenzene	10.16	105	301013	48.658	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	123786	51.506	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	99726	52.368	ug/L	99
61) Bromoform	9.95	173	60088	47.731	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	146883	49.014	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	147362	47.609	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	149437	48.838	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	30260	51.837	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	114717	47.643	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	97725	47.167	ug/L	99
69) Naphthalene	13.74	128	307529	48.275	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	104500	47.644	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 48.116 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

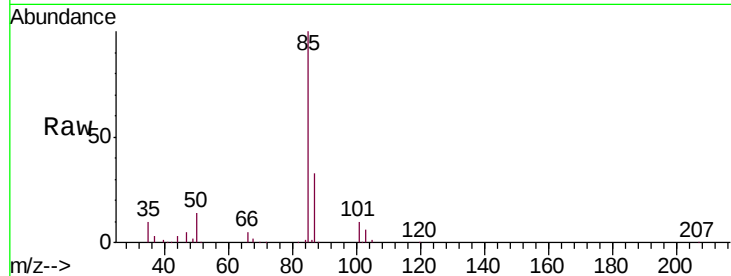
VSTD05057

Tgt Ion: 85 Resp: 88632

Ion Ratio Lower Upper

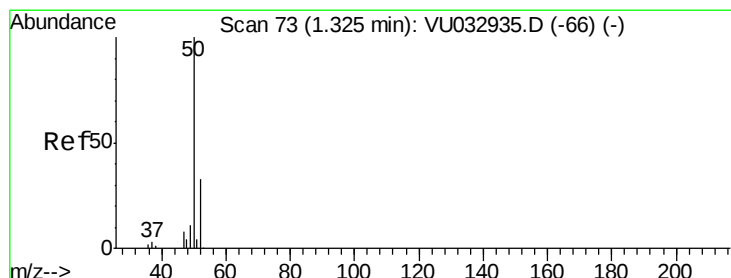
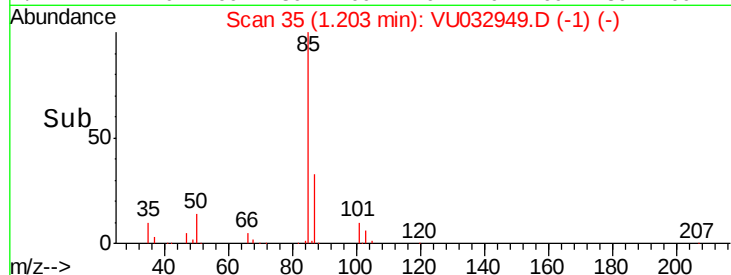
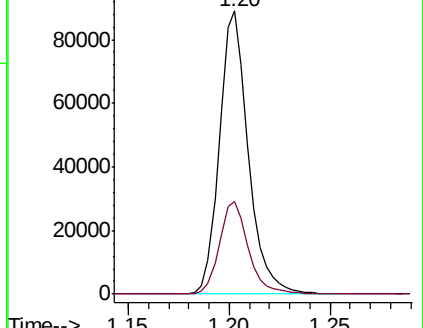
85 100

87 32.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032935.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032935.D (-28) (-)



#3

Chloromethane

Concen: 45.891 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032949.D

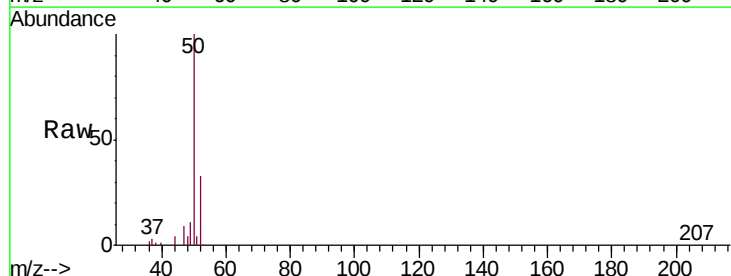
Acq: 21 Jun 2019 17:11

Tgt Ion: 50 Resp: 76618

Ion Ratio Lower Upper

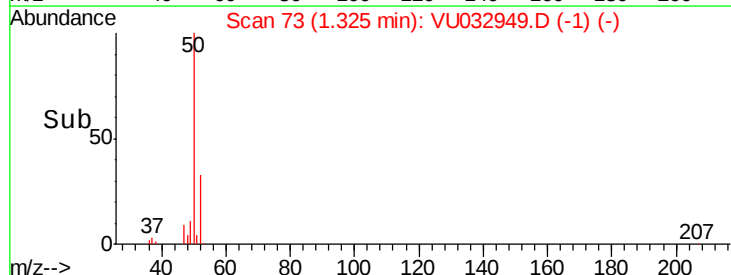
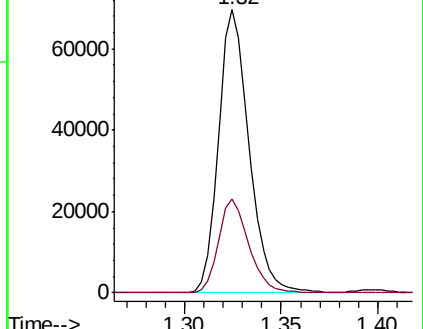
50 100

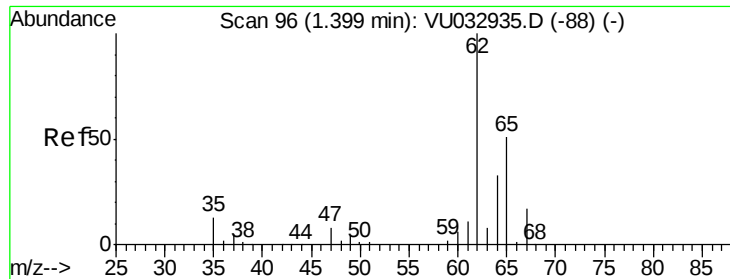
52 33.1 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032935.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU032935.D (-66) (-)





#5

Vinyl chloride

Concen: 46.840 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

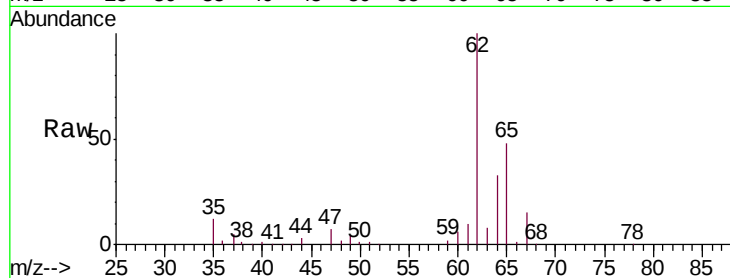
VSTD05057

Tgt Ion: 62 Resp: 77566

Ion Ratio Lower Upper

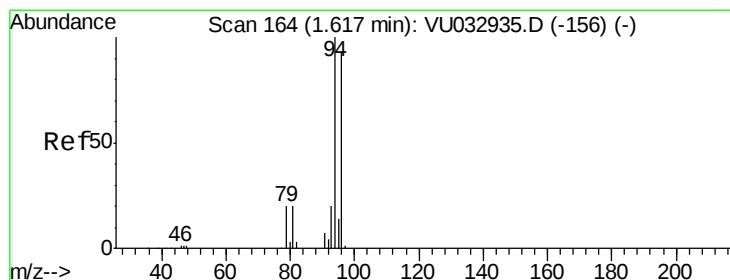
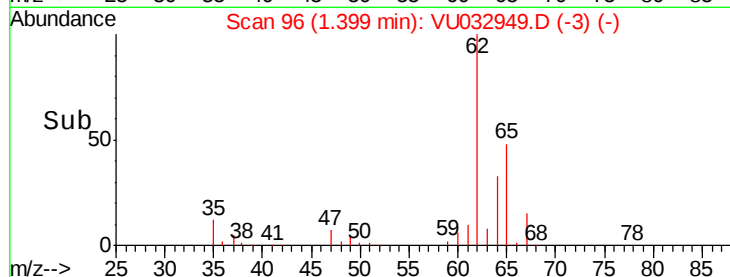
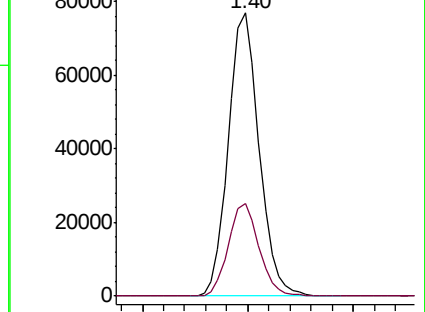
62 100

64 32.8 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU032935.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU032935.D (-88) (-)



#6

Bromomethane

Concen: 39.817 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU032949.D

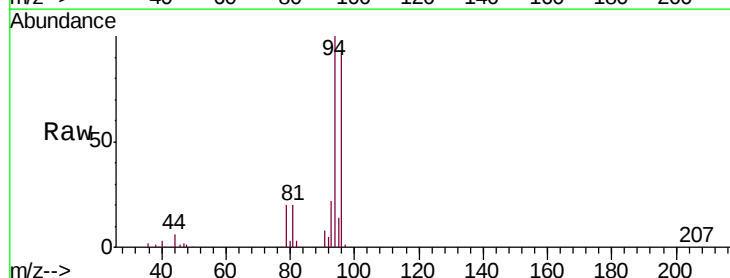
Acq: 21 Jun 2019 17:11

Tgt Ion: 94 Resp: 38800

Ion Ratio Lower Upper

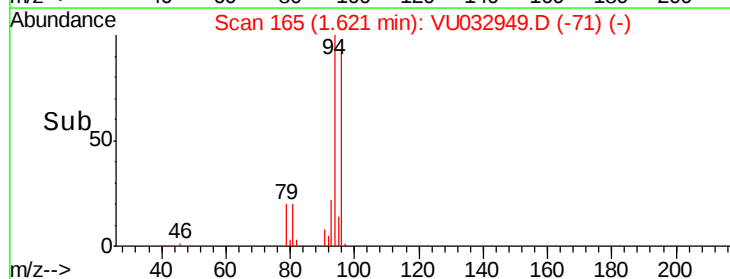
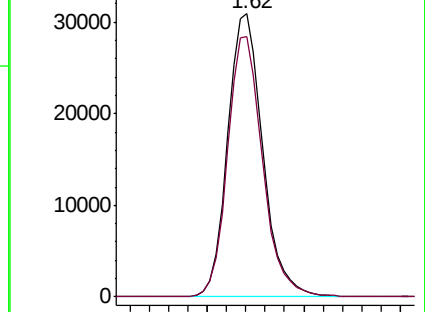
94 100

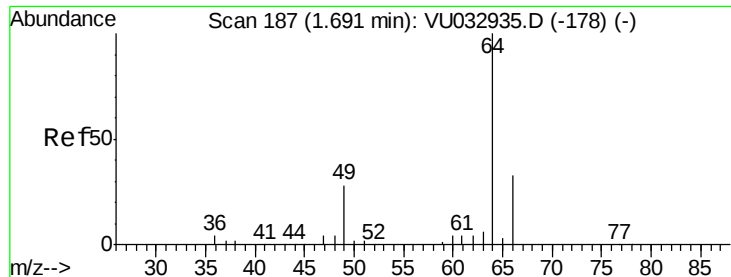
96 92.2 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU032935.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU032935.D (-156) (-)





#8

Chloroethane

Concen: 47.896 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

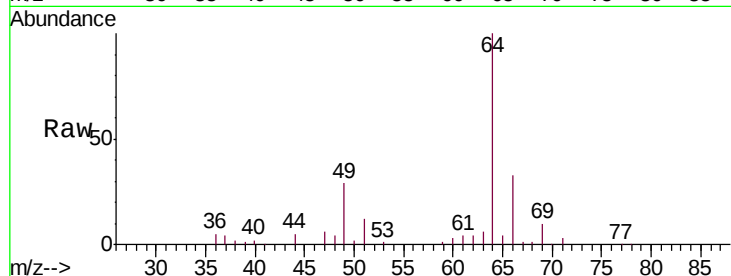
VSTD05057

Tgt Ion: 64 Resp: 45657

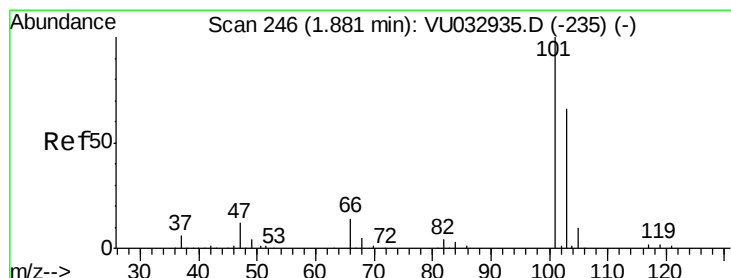
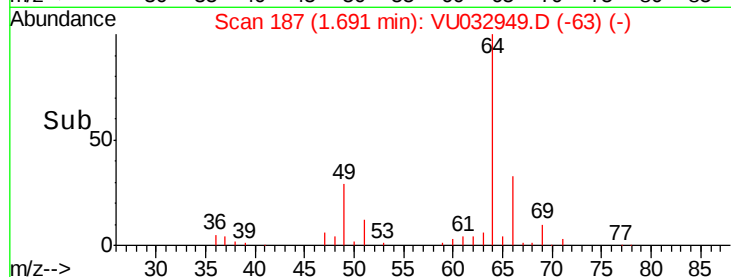
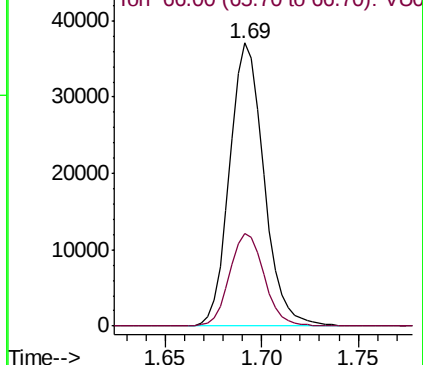
Ion Ratio Lower Upper

64 100

66 32.5 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU032949.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 47.514 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU032949.D

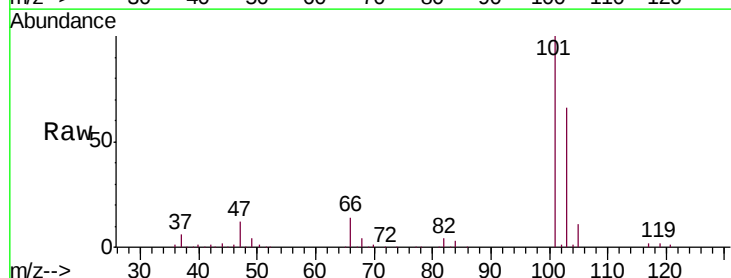
Acq: 21 Jun 2019 17:11

Tgt Ion: 101 Resp: 110387

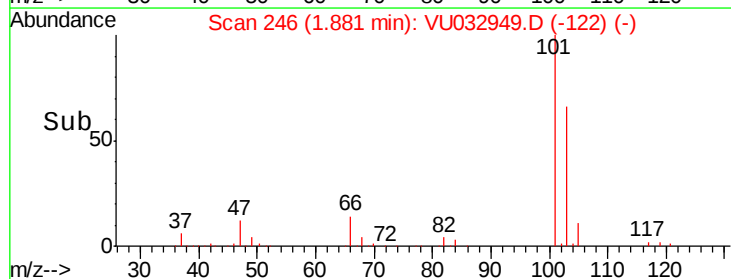
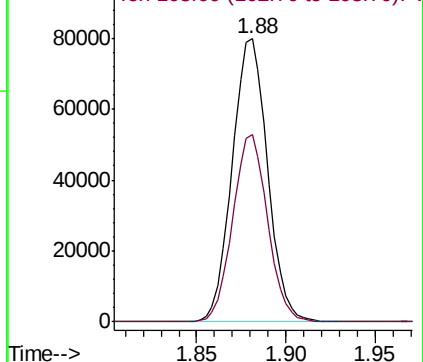
Ion Ratio Lower Upper

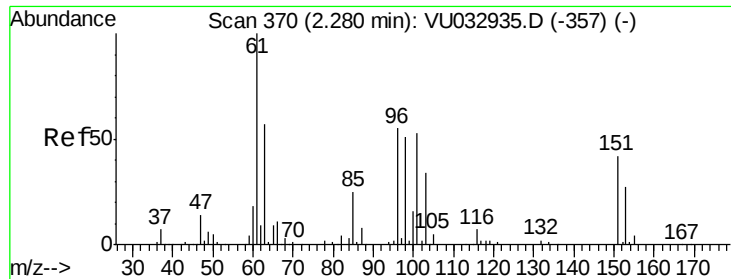
101 100

103 65.3 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU032949.D (-122) (-)





#10

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

Concen: 47.342 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

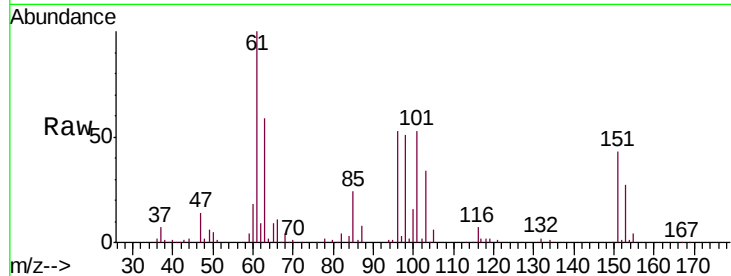
Tgt Ion:101 Resp: 57691

Ion Ratio Lower Upper

101 100

85 45.6 36.8 55.2

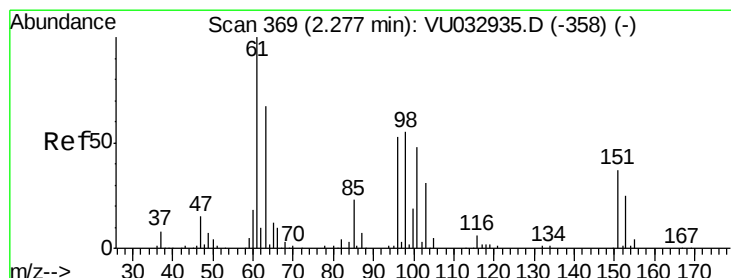
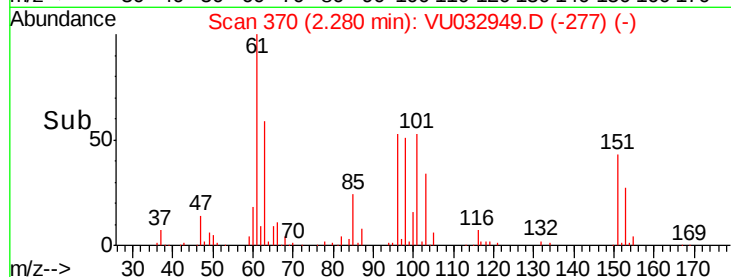
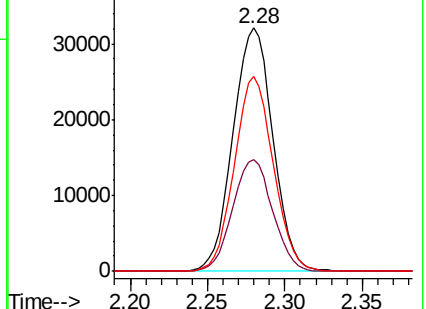
151 77.7 63.6 95.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 45.591 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

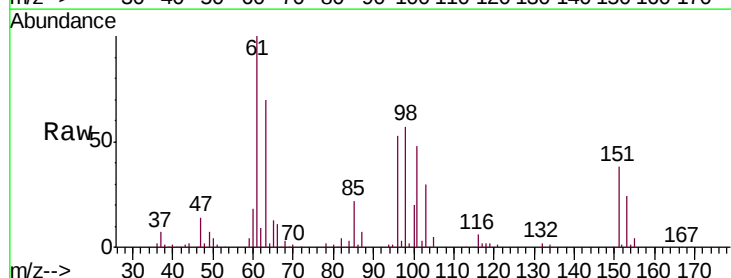
Tgt Ion: 96 Resp: 52356

Ion Ratio Lower Upper

96 100

61 188.8 131.0 243.4

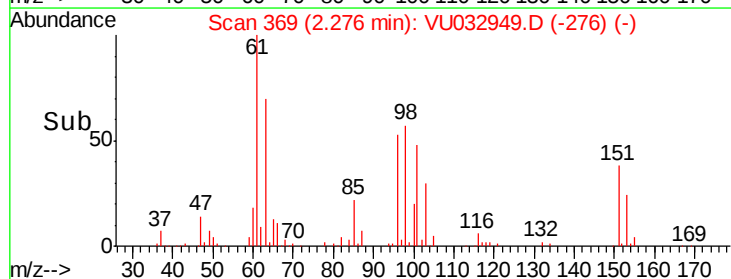
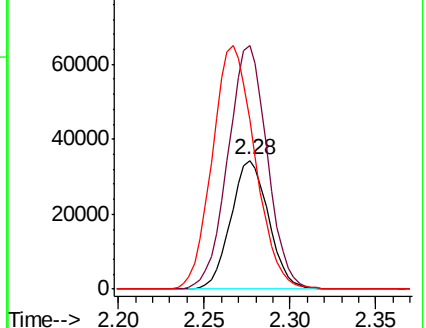
63 131.4 101.0 187.6

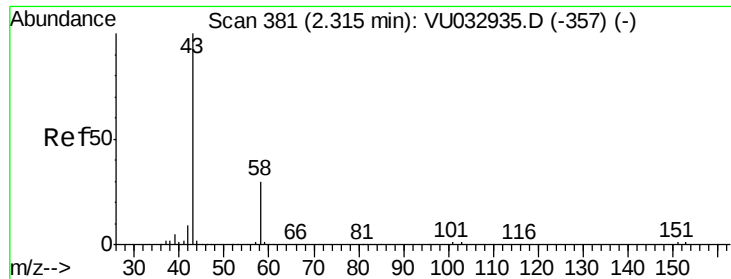


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 75.390 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

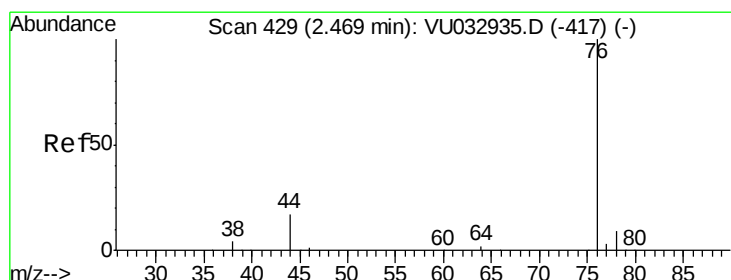
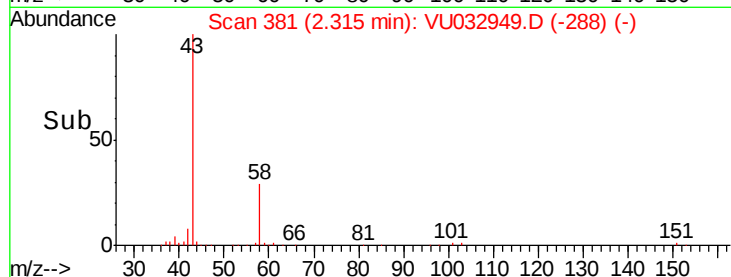
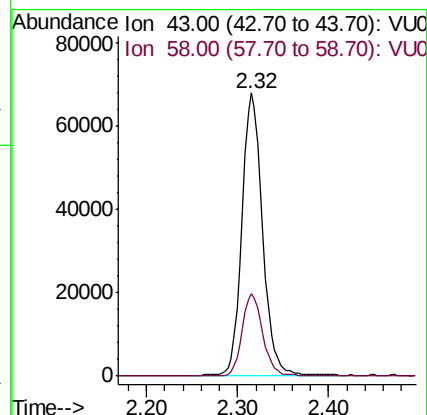
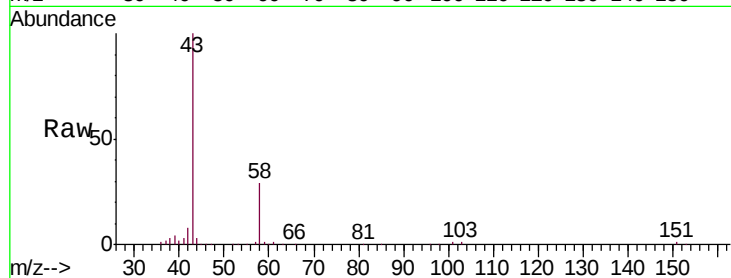
VSTD05057

Tgt Ion: 43 Resp: 108015

Ion Ratio Lower Upper

43 100

58 28.8 0.0 60.6



#14

Carbon disulfide

Concen: 44.092 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032949.D

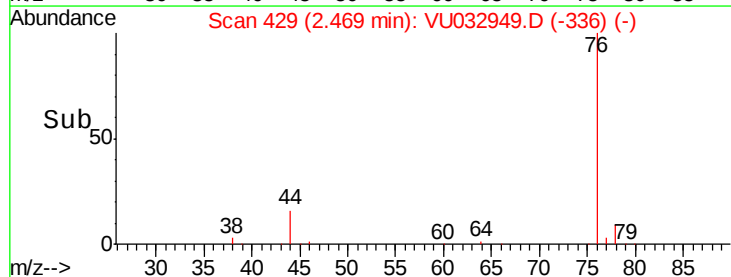
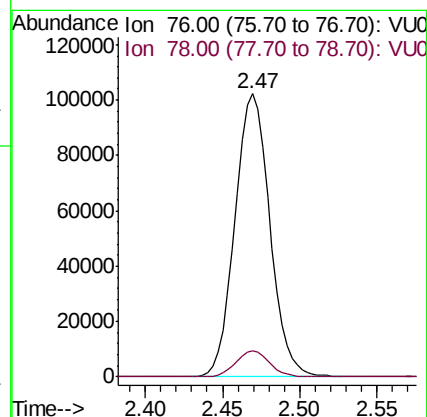
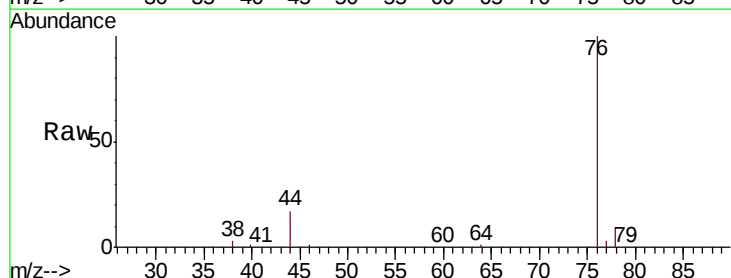
Acq: 21 Jun 2019 17:11

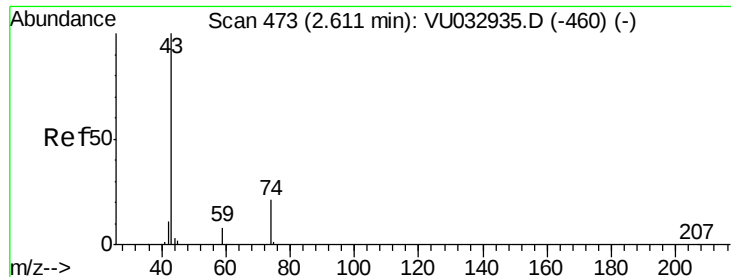
Tgt Ion: 76 Resp: 160221

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 55.526 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

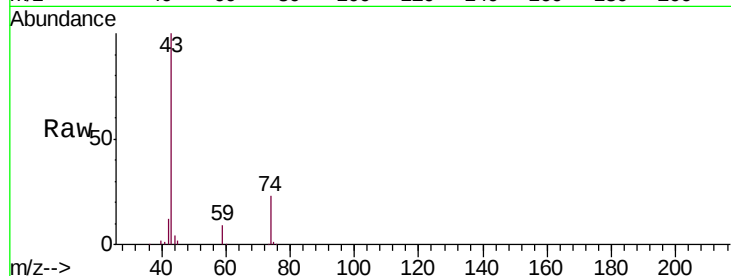
VSTD05057

Tgt Ion: 43 Resp: 90179

Ion Ratio Lower Upper

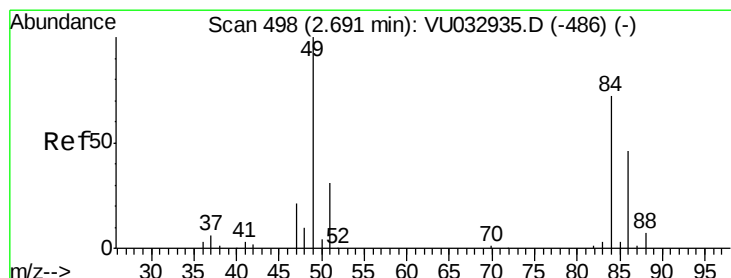
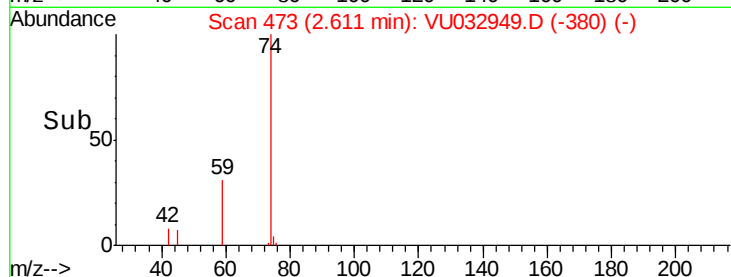
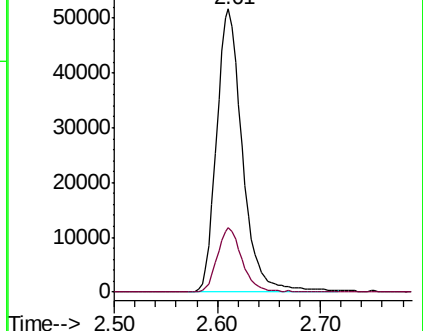
43 100

74 21.7 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VU032949.D (-380) (-)

Ion 74.00 (73.70 to 74.70): VU032949.D (-380) (-)



#16

Methylene chloride

Concen: 50.619 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

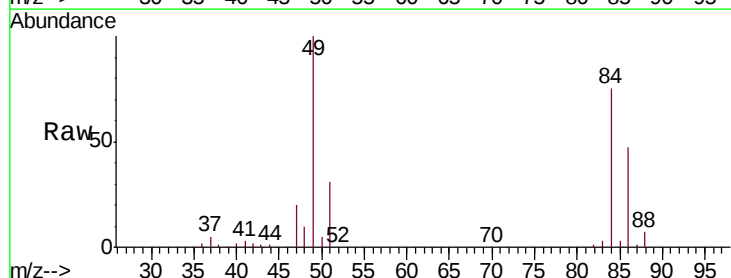
Tgt Ion: 84 Resp: 68211

Ion Ratio Lower Upper

84 100

86 62.8 45.5 84.5

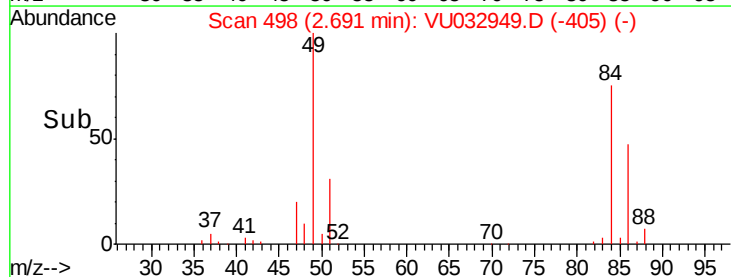
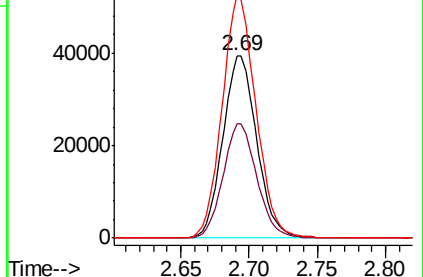
49 133.6 92.1 171.1

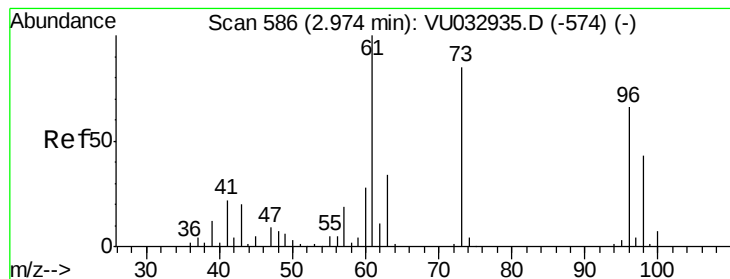


Abundance Ion 84.00 (83.70 to 84.70): VU032949.D (-405) (-)

Ion 86.00 (85.70 to 86.70): VU032949.D (-405) (-)

Ion 49.00 (48.70 to 49.70): VU032949.D (-405) (-)





#17

trans-1,2-Dichloroethene

Concen: 47.398 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

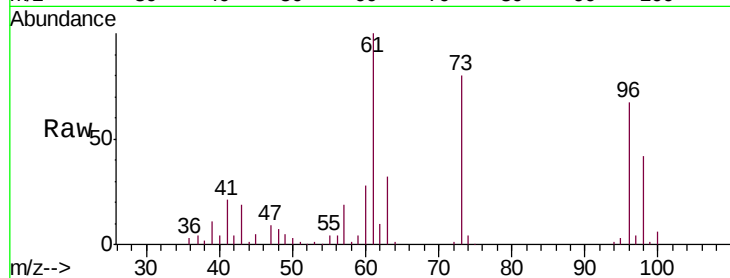
Tgt Ion: 96 Resp: 59026

Ion Ratio Lower Upper

96 100

61 150.1 100.9 187.5

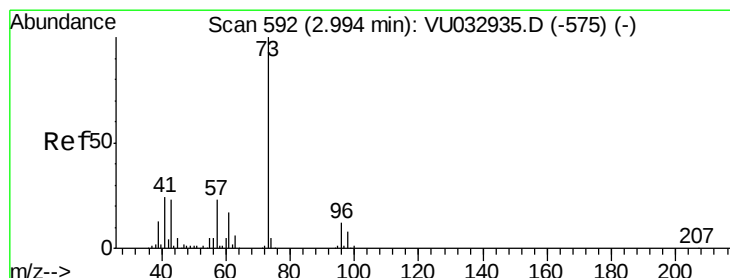
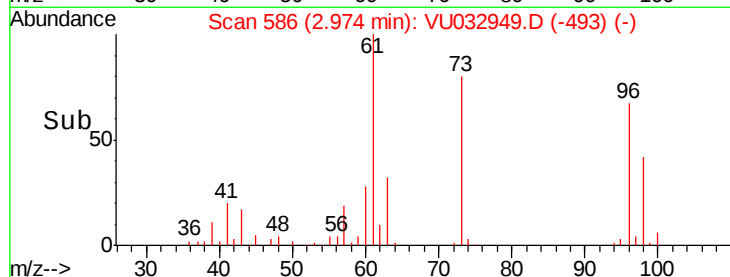
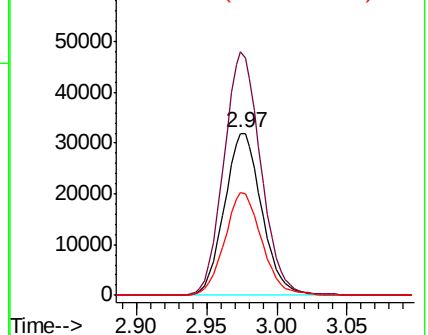
98 63.6 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU032935.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU032935.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU032935.D (-574) (-)



#18

Methyl tert-butyl Ether

Concen: 51.557 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

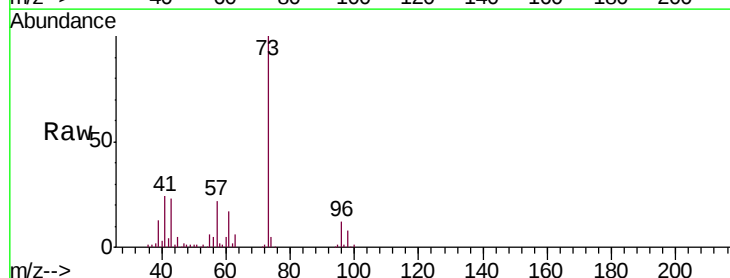
Tgt Ion: 73 Resp: 206139

Ion Ratio Lower Upper

73 100

43 23.7 17.8 26.8

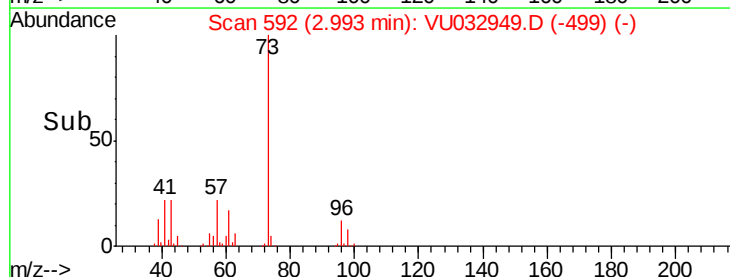
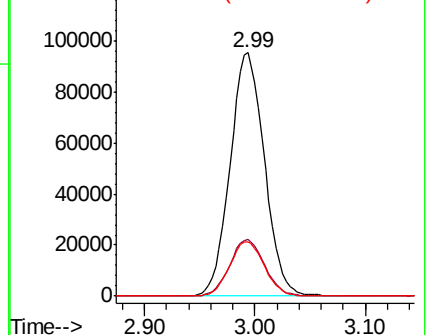
57 22.6 17.8 26.6

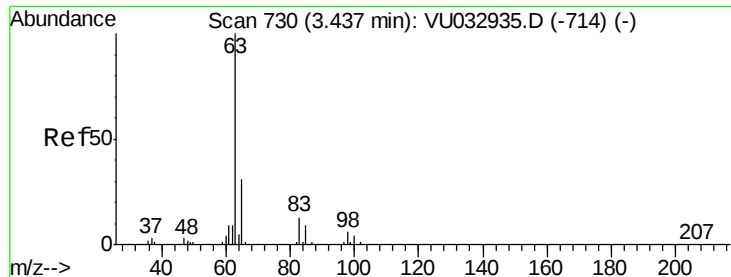


Abundance Ion 73.00 (72.70 to 73.70): VU032935.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU032935.D (-575) (-)

Ion 57.00 (56.70 to 57.70): VU032935.D (-575) (-)

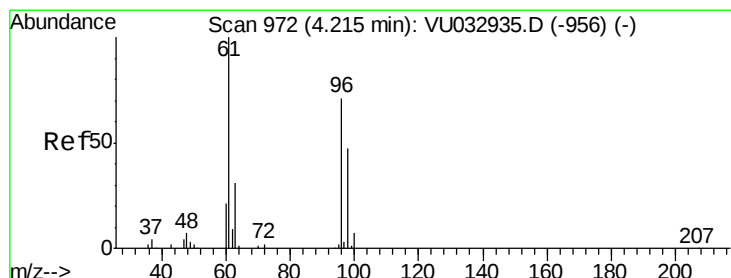
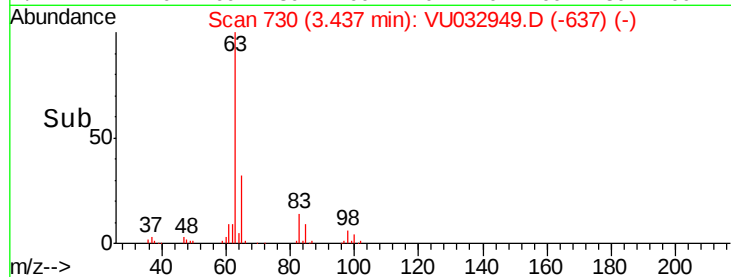
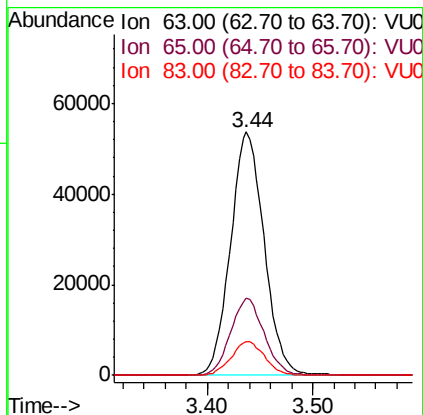
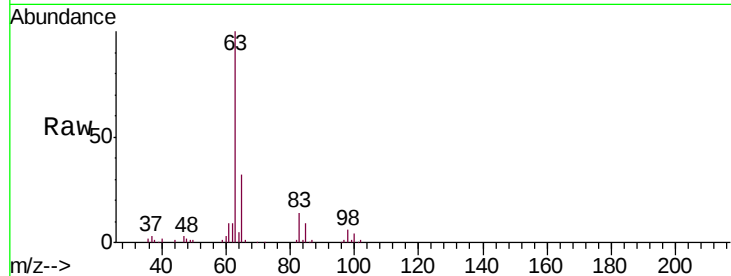




#19
 1,1-Dichloroethane
 Concen: 49.938 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU032949.D
 Acq: 21 Jun 2019 17:11

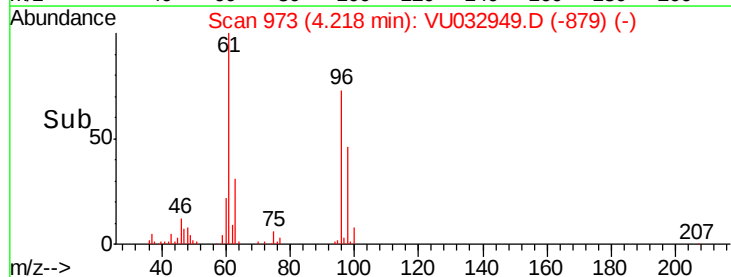
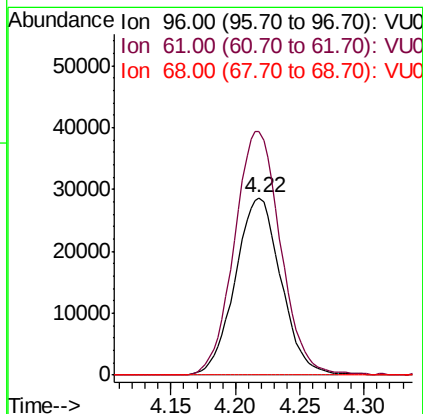
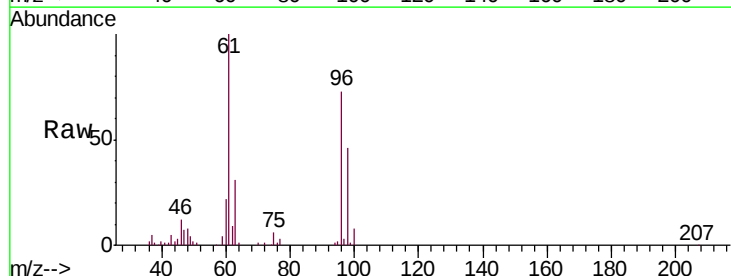
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

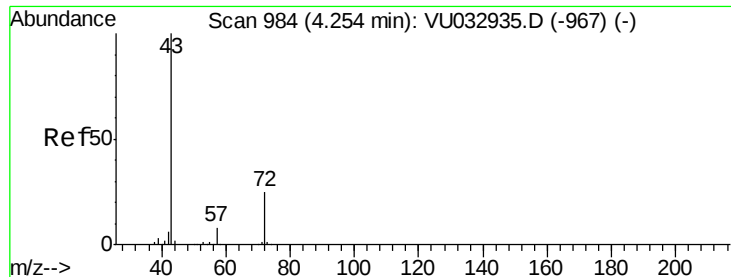
Tgt Ion: 63 Resp: 118561
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.0 41.0
 83 14.0 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 52.142 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032949.D
 Acq: 21 Jun 2019 17:11

Tgt Ion: 96 Resp: 70739
 Ion Ratio Lower Upper
 96 100
 61 137.1 92.4 171.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 93.256 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

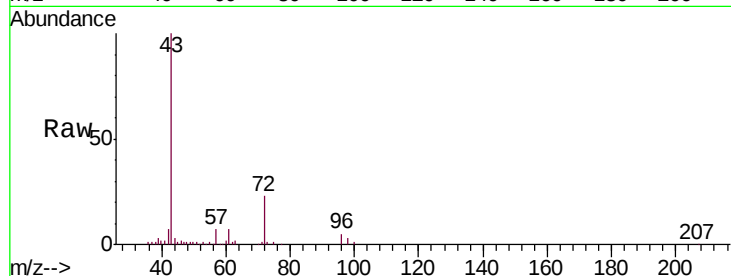
VSTD05057

Tgt Ion: 43 Resp: 138486

Ion Ratio Lower Upper

43 100

72 24.6 12.9 38.6

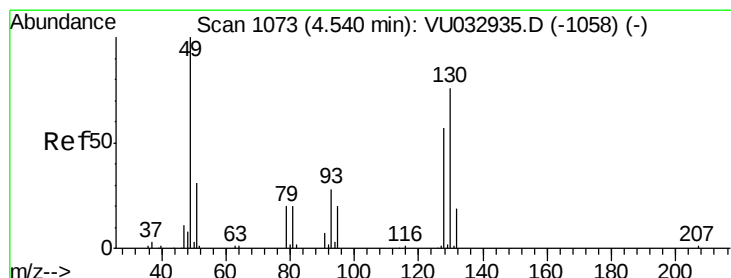
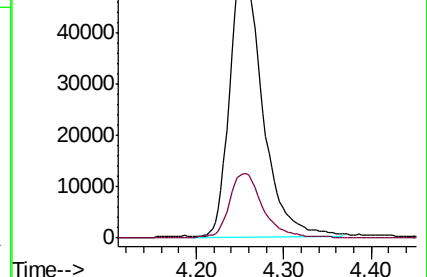
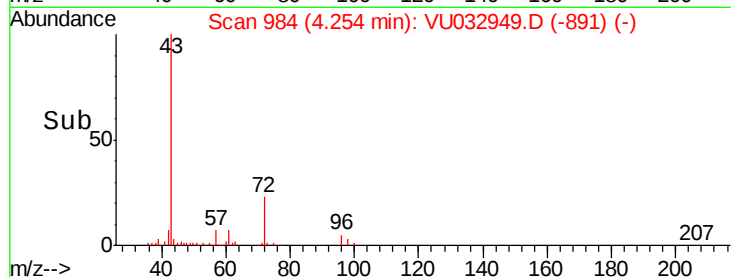


Abundance Ion 43.00 (42.70 to 43.70): VU032935.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU032935.D (-967) (-)

4.25

Time-->



#23

Bromochloromethane

Concen: 51.847 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Tgt Ion: 128 Resp: 36694

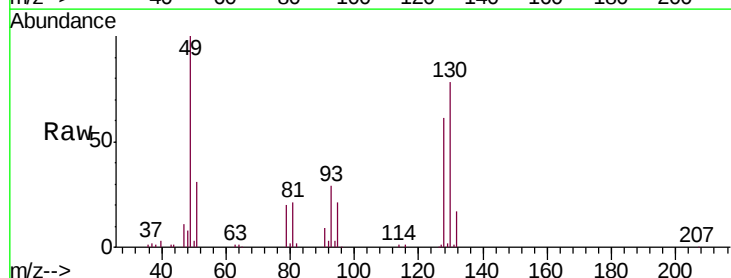
Ion Ratio Lower Upper

128 100

49 163.5 114.7 212.9

130 128.1 89.4 166.0

51 51.0 42.0 63.0



Abundance Ion 128.00 (127.70 to 128.70): VU032935.D (-1058) (-)

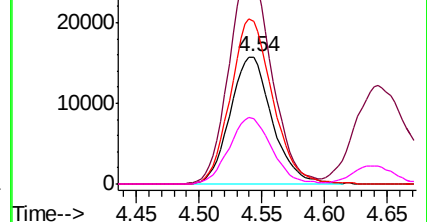
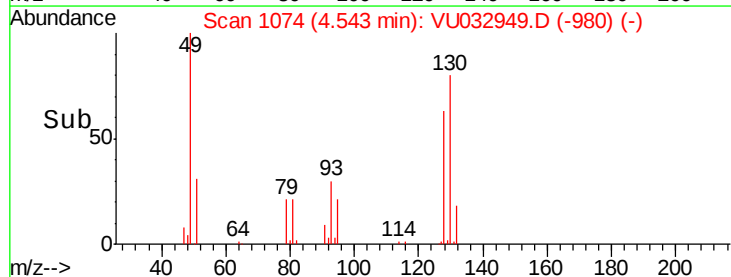
Ion 49.00 (48.70 to 49.70): VU032935.D (-1058) (-)

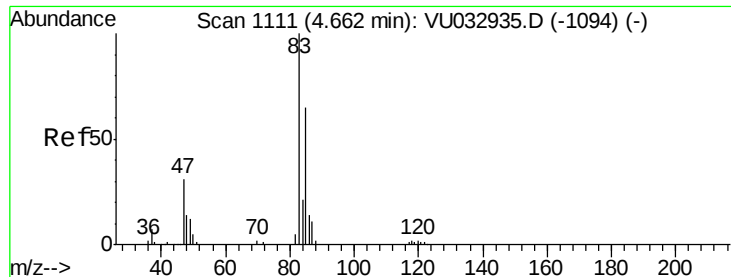
Ion 130.00 (129.70 to 130.70): VU032935.D (-1058) (-)

Ion 51.00 (50.70 to 51.70): VU032935.D (-1058) (-)

4.54

Time-->





#25

Chloroform

Concen: 51.392 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

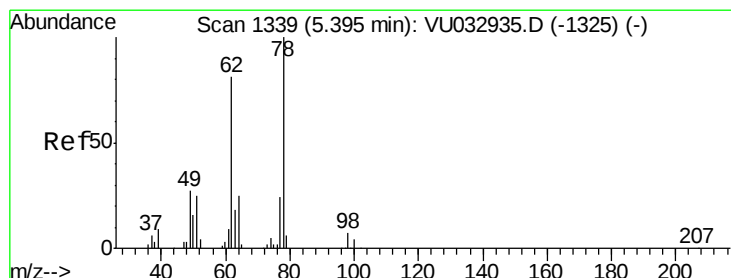
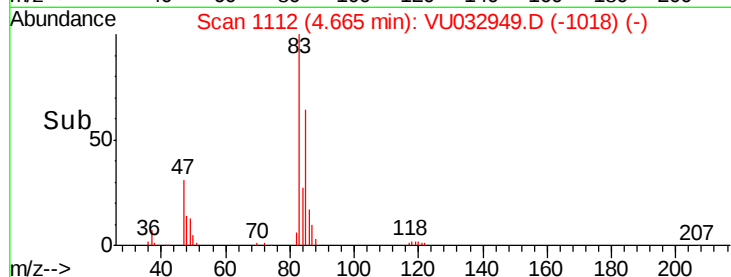
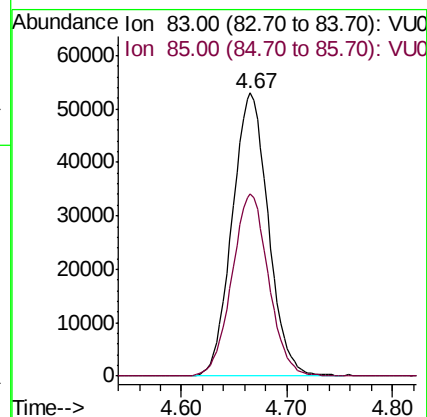
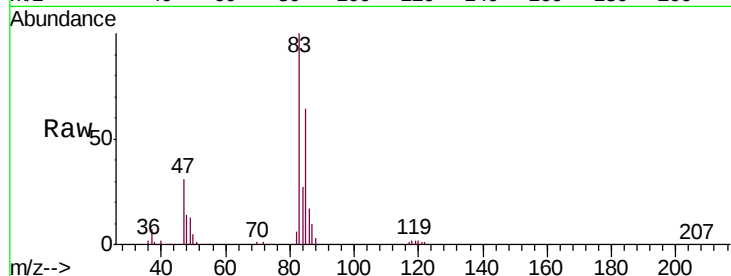
VSTD05057

Tgt Ion: 83 Resp: 125825

Ion Ratio Lower Upper

83 100

85 64.2 44.2 82.2



#27

1,2-Dichloroethane

Concen: 55.155 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VU032949.D

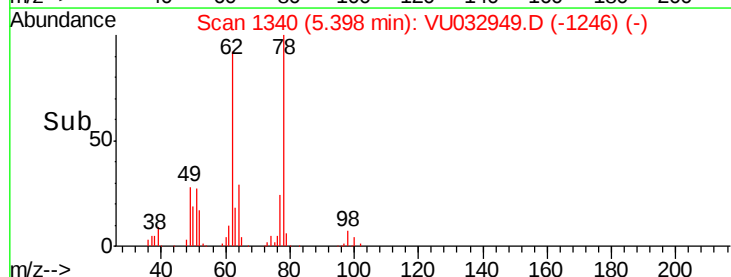
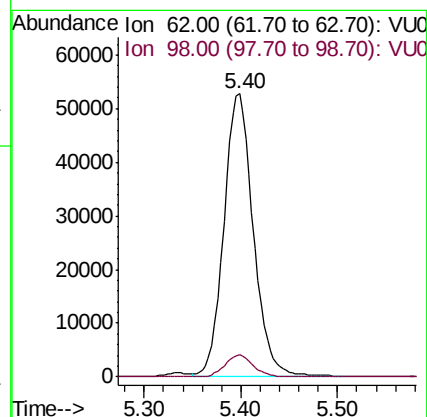
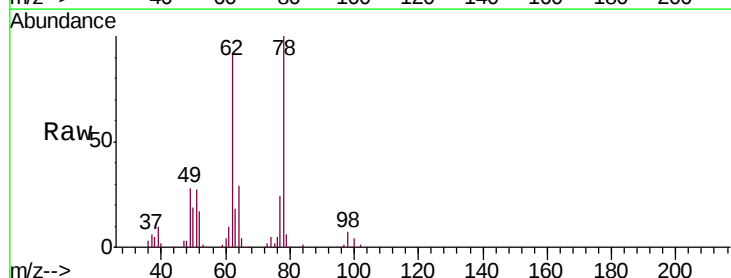
Acq: 21 Jun 2019 17:11

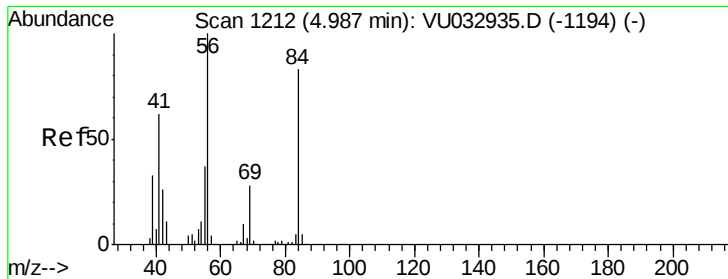
Tgt Ion: 62 Resp: 110936

Ion Ratio Lower Upper

62 100

98 7.7 6.6 10.0

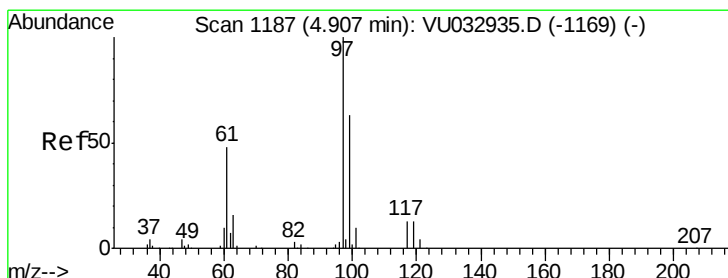
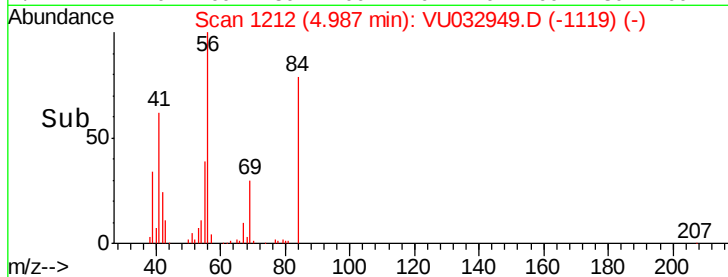
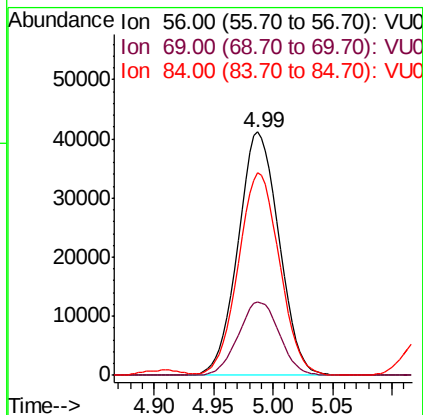
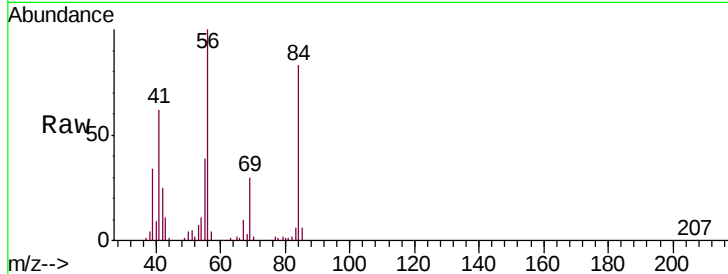




#29
Cyclohexane
Concen: 46.611 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU032949.D
Acq: 21 Jun 2019 17:11

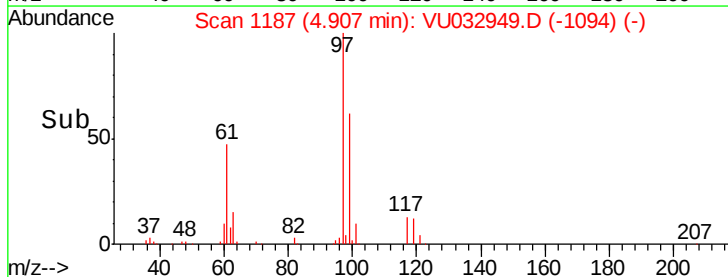
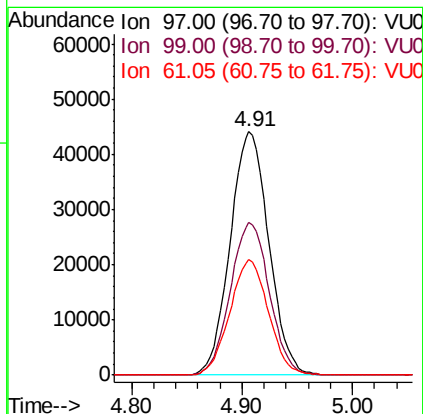
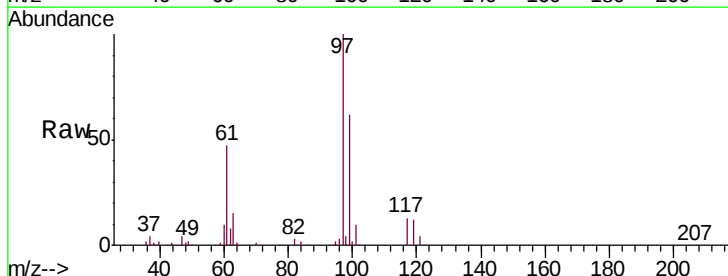
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

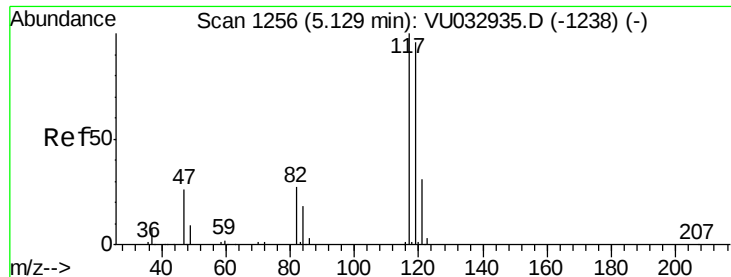
Tgt Ion: 56 Resp: 98281
Ion Ratio Lower Upper
56 100
69 30.3 24.2 36.4
84 82.6 68.0 102.0



#30
1,1,1-Trichloroethane
Concen: 48.696 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU032949.D
Acq: 21 Jun 2019 17:11

Tgt Ion: 97 Resp: 107135
Ion Ratio Lower Upper
97 100
99 63.2 50.7 76.1
61 47.4 36.7 55.1





#31

Carbon tetrachloride

Concen: 46.931 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

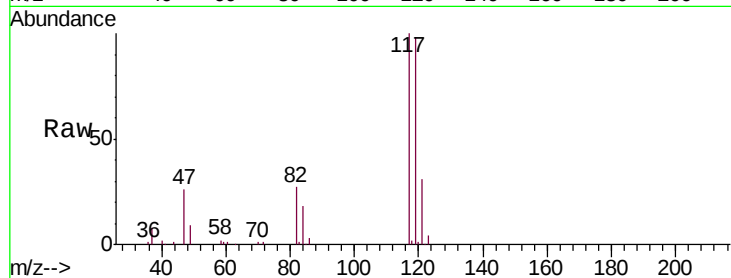
VSTD05057

Tgt Ion:117 Resp: 93947

Ion Ratio Lower Upper

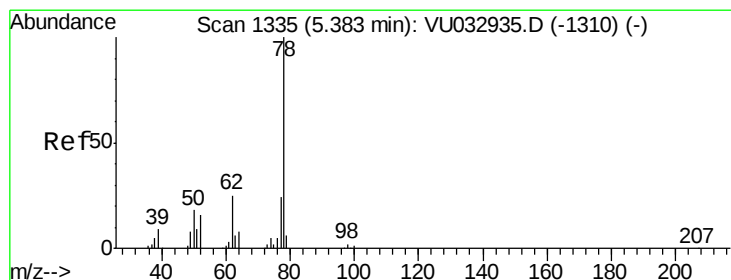
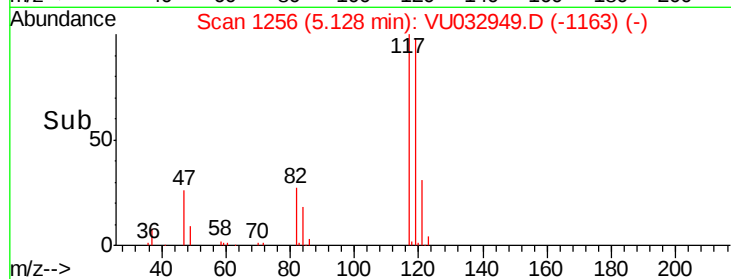
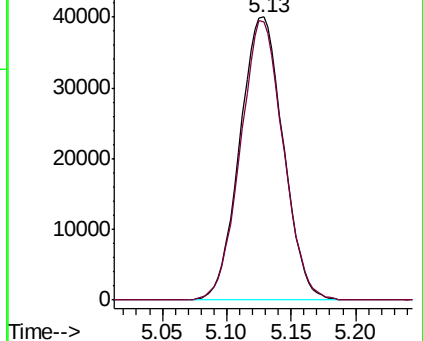
117 100

119 97.0 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.692 ug/L

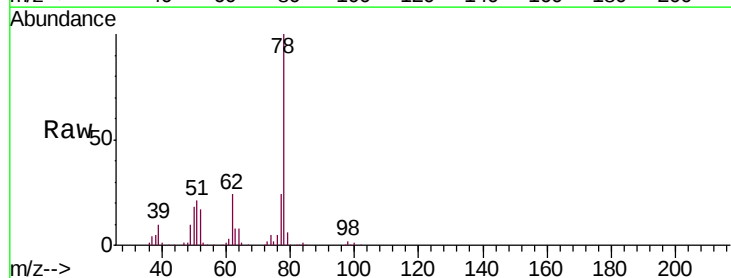
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

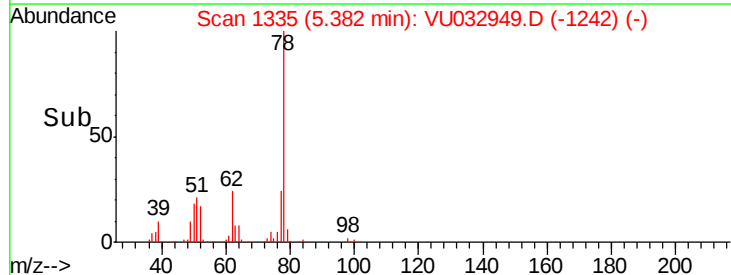
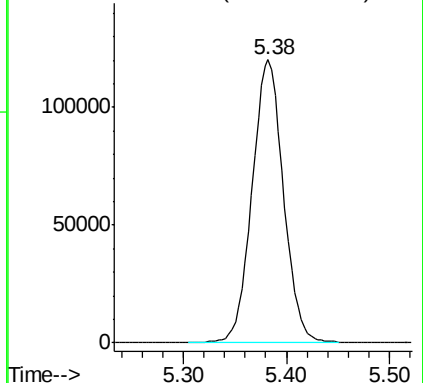
Lab File: VU032949.D

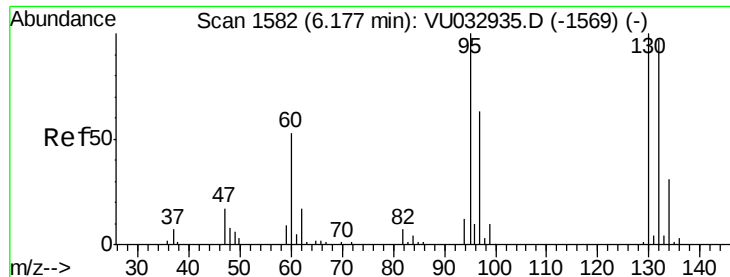
Acq: 21 Jun 2019 17:11

Tgt Ion: 78 Resp: 253303



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 47.664 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

Tgt Ion: 95 Resp: 66249

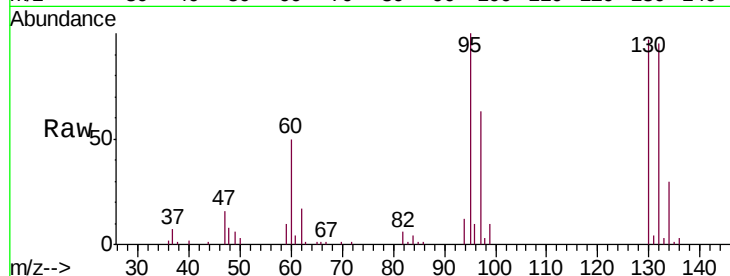
Ion Ratio Lower Upper

95 100

97 63.4 45.9 85.3

132 94.9 68.5 127.3

130 97.3 70.8 131.4

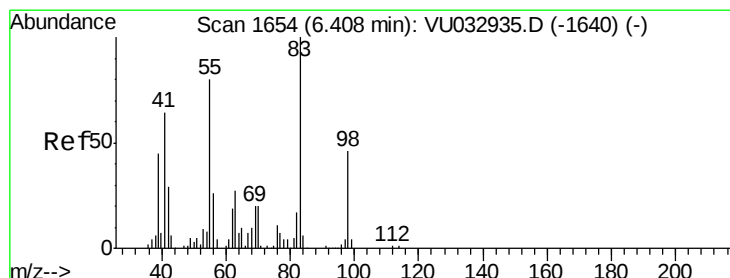
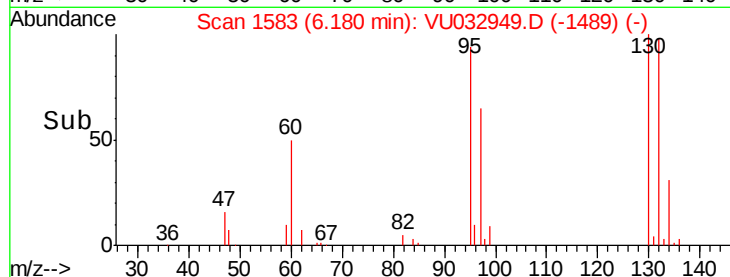
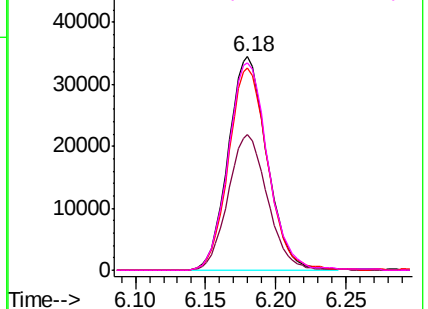


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 47.409 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

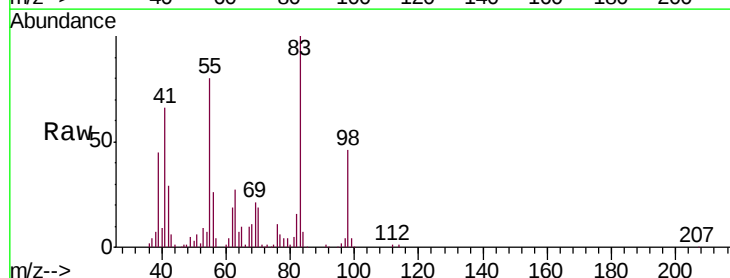
Tgt Ion: 83 Resp: 101855

Ion Ratio Lower Upper

83 100

55 79.4 62.6 94.0

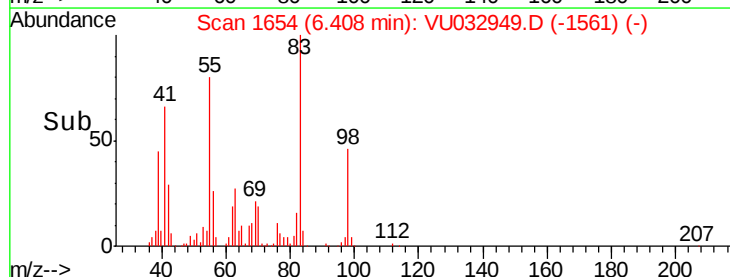
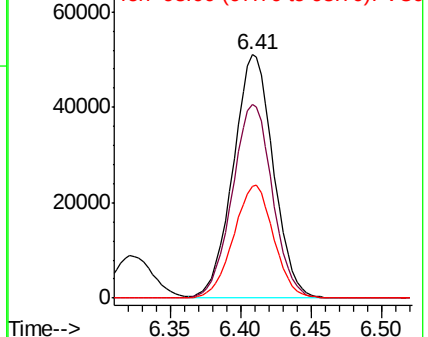
98 46.3 37.4 56.0

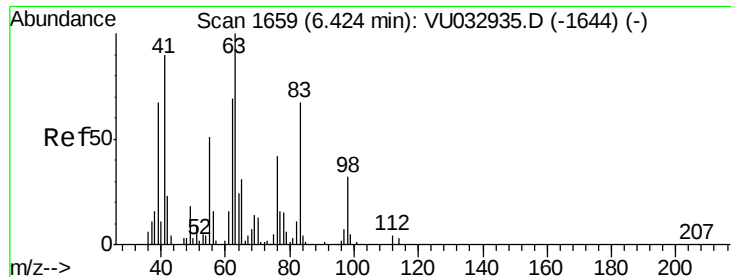


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

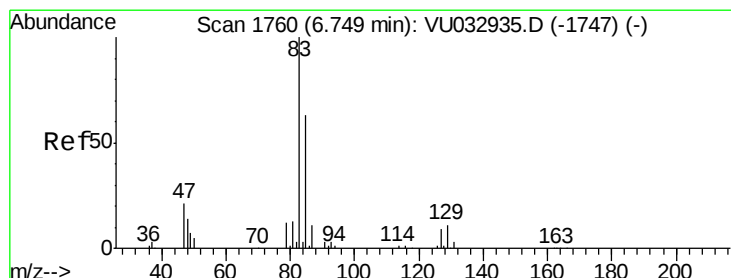
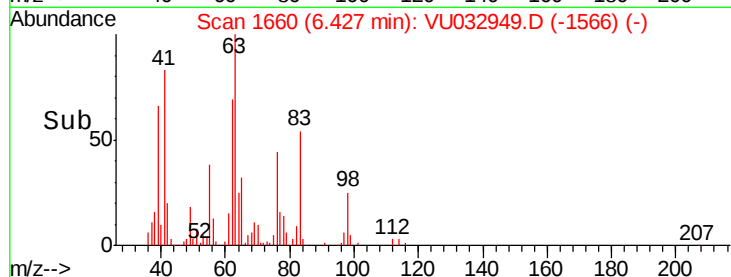
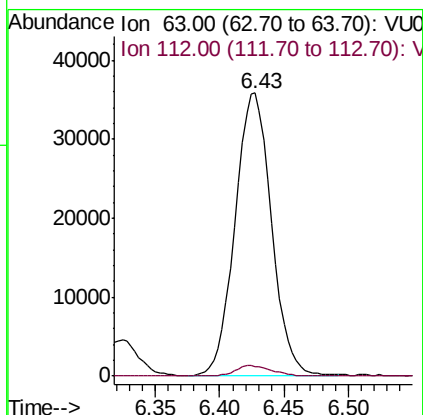
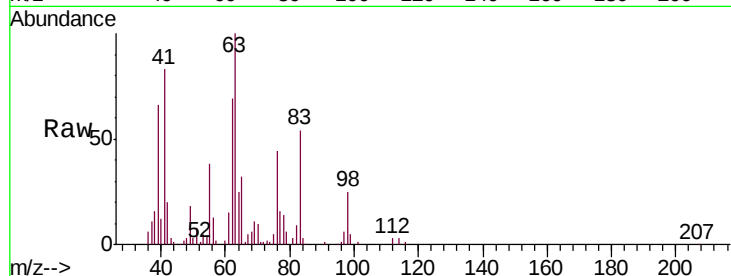




#37
 1,2-Dichloropropane
 Concen: 49.648 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032949.D
 Acq: 21 Jun 2019 17:11

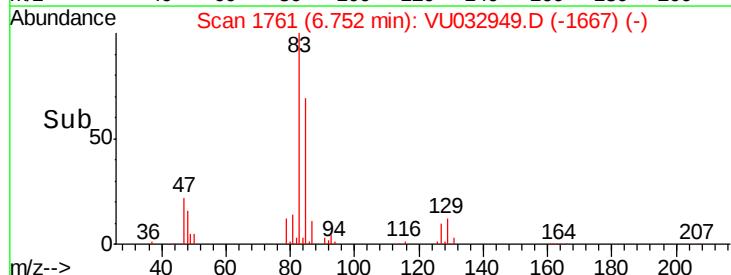
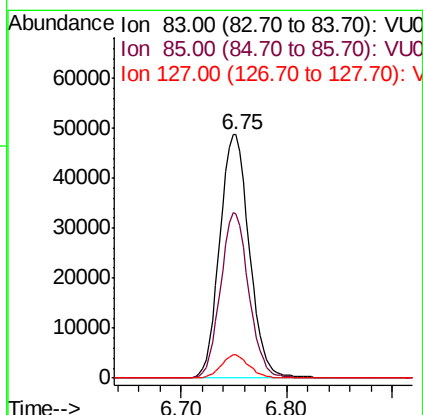
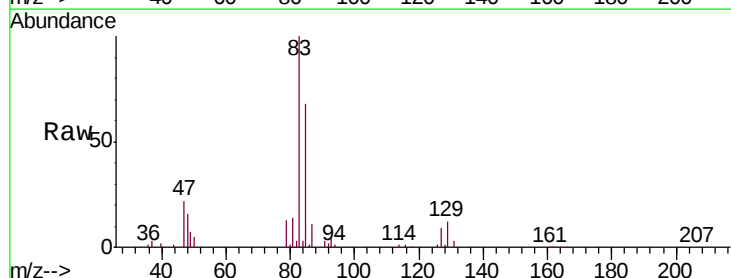
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

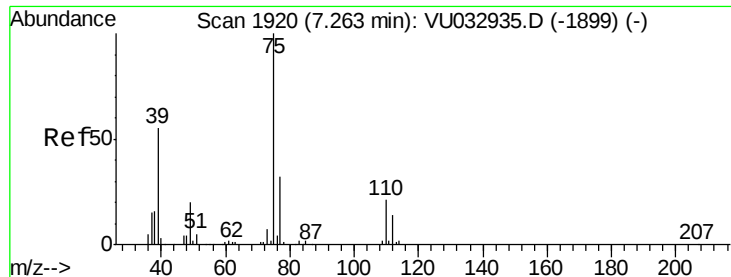
Tgt Ion: 63 Resp: 70846
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.6



#38
 Bromodichloromethane
 Concen: 49.363 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032949.D
 Acq: 21 Jun 2019 17:11

Tgt Ion: 83 Resp: 94717
 Ion Ratio Lower Upper
 83 100
 85 67.7 45.0 83.6
 127 9.4 7.0 10.6

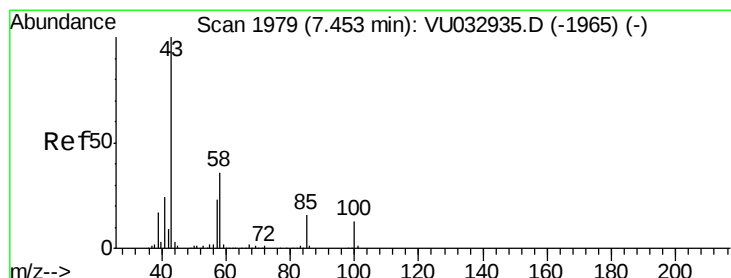
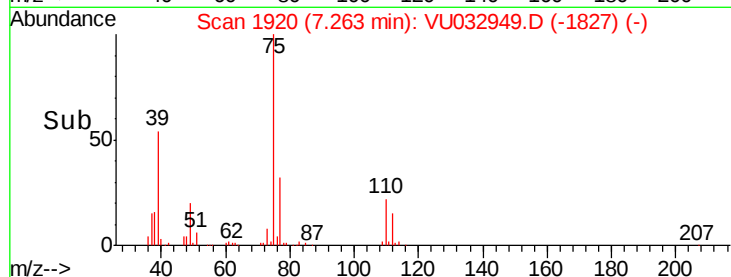
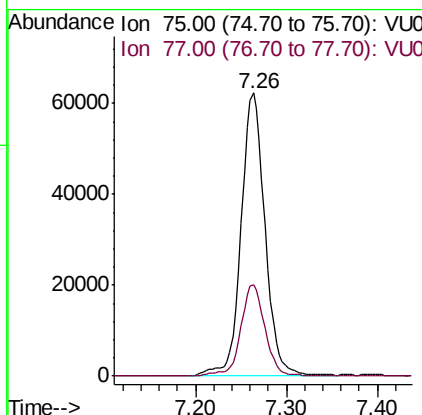
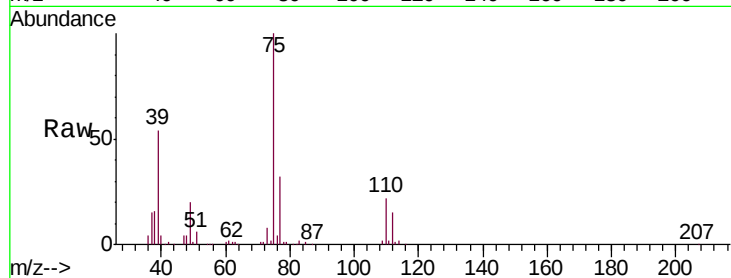




#39
 cis-1,3-Dichloropropene
 Concen: 51.441 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032949.D
 Acq: 21 Jun 2019 17:11

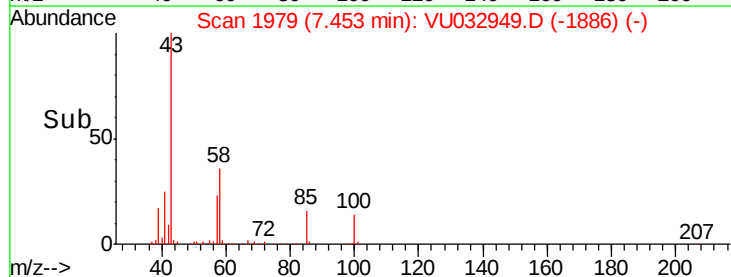
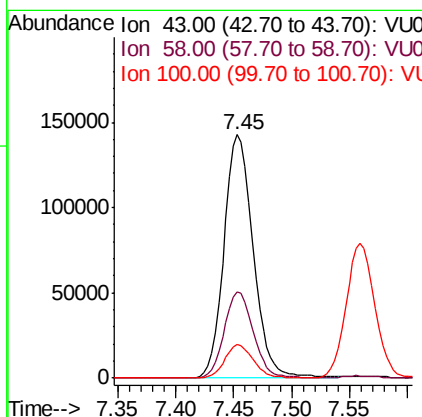
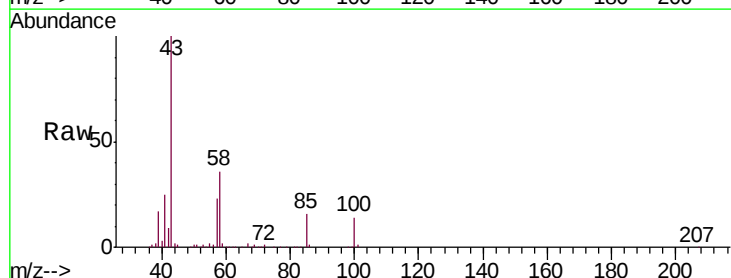
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

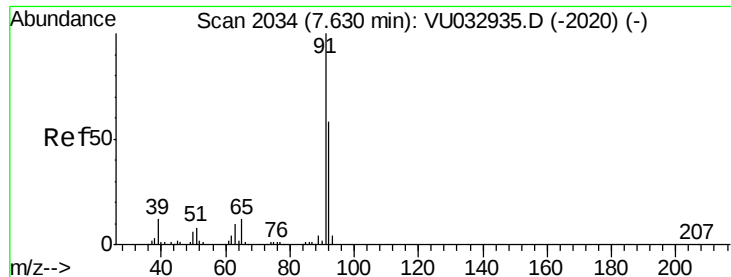
Tgt Ion: 75 Resp: 114361
 Ion Ratio Lower Upper
 75 100
 77 32.3 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 109.940 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU032949.D
 Acq: 21 Jun 2019 17:11

Tgt Ion: 43 Resp: 250466
 Ion Ratio Lower Upper
 43 100
 58 35.3 29.4 44.2
 100 13.3 11.2 16.8





#42

Toluene

Concen: 49.045 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

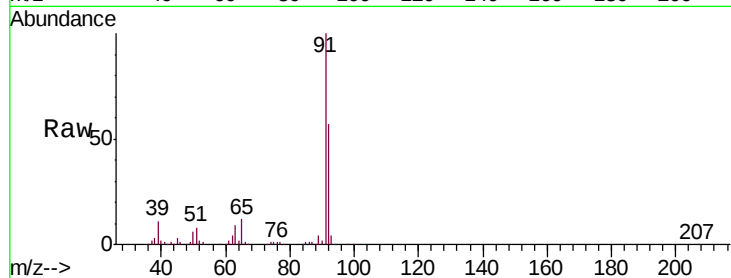
VSTD05057

Tgt Ion: 91 Resp: 276046

Ion Ratio Lower Upper

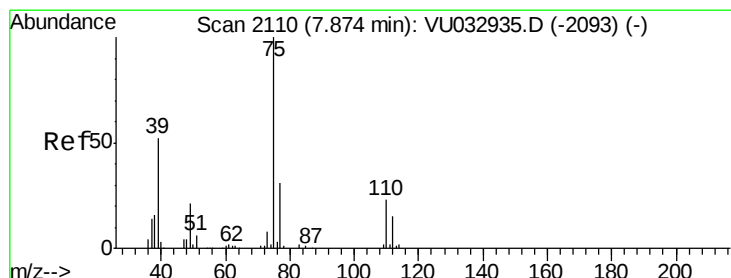
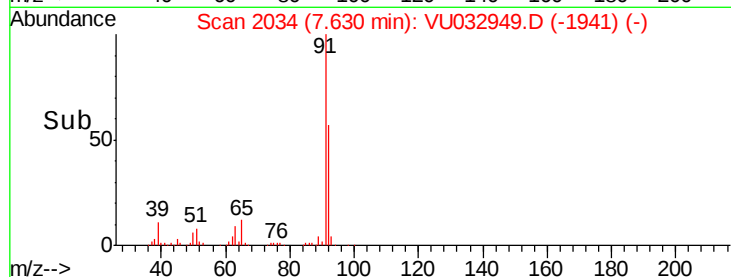
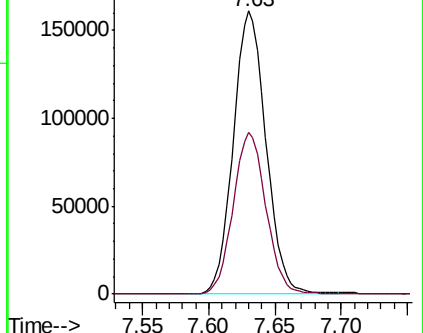
91 100

92 57.1 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU032949.D (-1941) (-)

Ion 92.00 (91.70 to 92.70): VU032949.D (-1941) (-)



#44

trans-1,3-Dichloropropene

Concen: 50.909 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032949.D

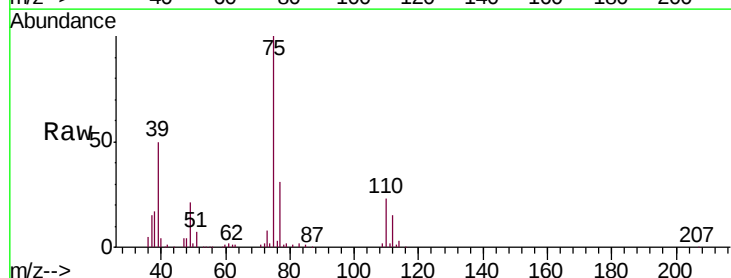
Acq: 21 Jun 2019 17:11

Tgt Ion: 75 Resp: 106305

Ion Ratio Lower Upper

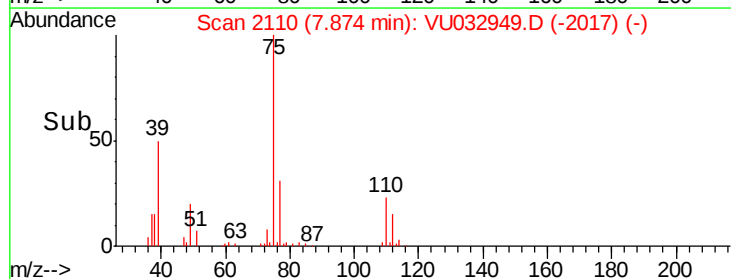
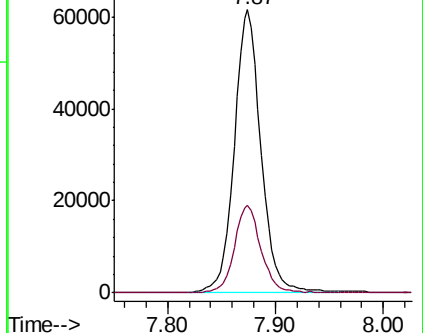
75 100

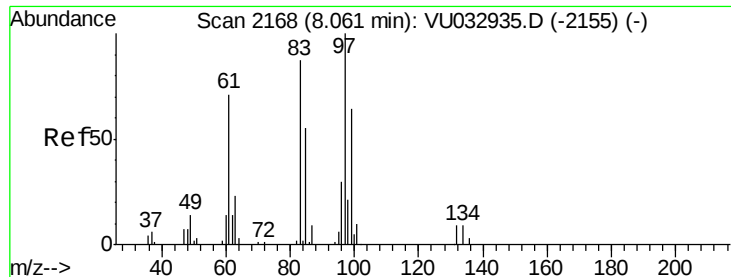
77 31.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU032949.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU032949.D (-2017) (-)

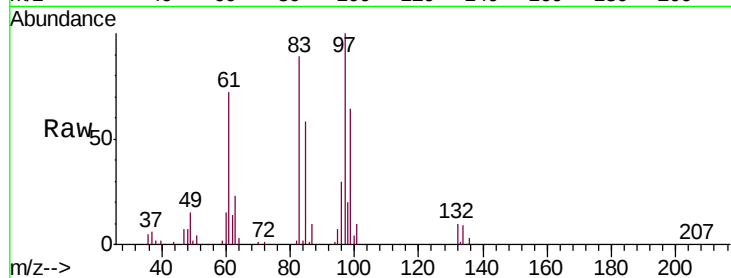




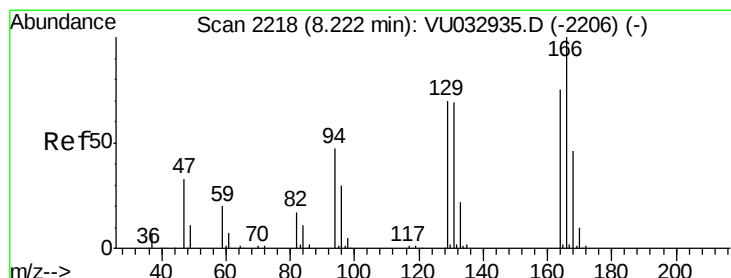
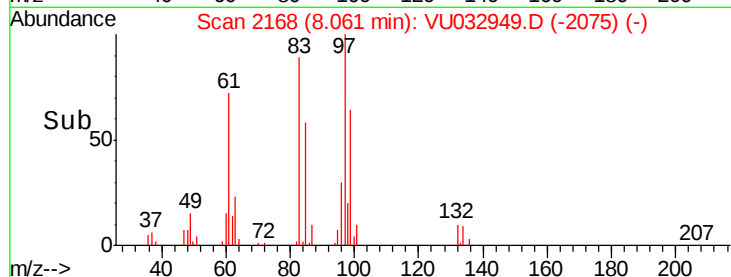
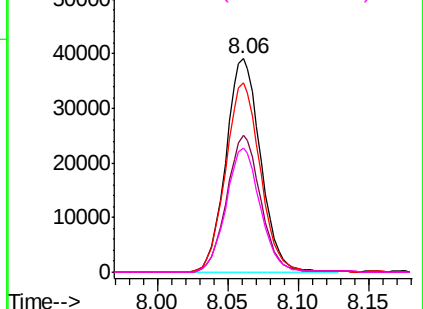
#45
 1,1,2-Trichloroethane
 Concen: 50.704 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU032949.D
 Acq: 21 Jun 2019 17:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Tgt Ion:	97	Resp:	67343
Ion	Ratio	Lower	Upper
97	100		
99	63.9	43.1	80.1
83	88.9	61.4	114.0
85	58.2	39.2	72.8

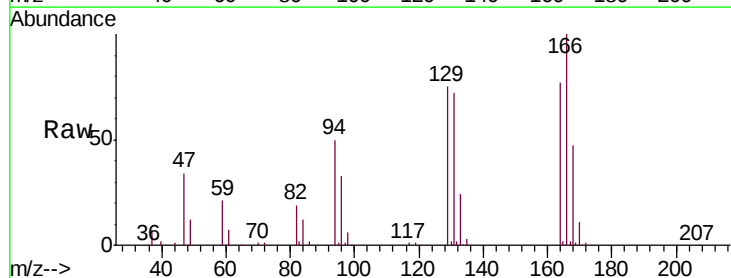


Abundance Ion 97.00 (96.70 to 97.70): VU032935.D (-2155) (-)
 Ion 99.00 (98.70 to 99.70): VU032935.D (-2155) (-)
 Ion 83.00 (82.70 to 83.70): VU032935.D (-2155) (-)
 Ion 85.00 (84.70 to 85.70): VU032935.D (-2155) (-)

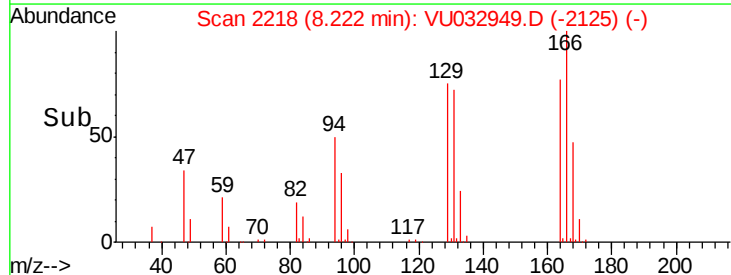
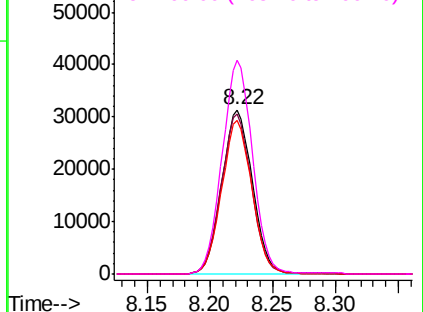


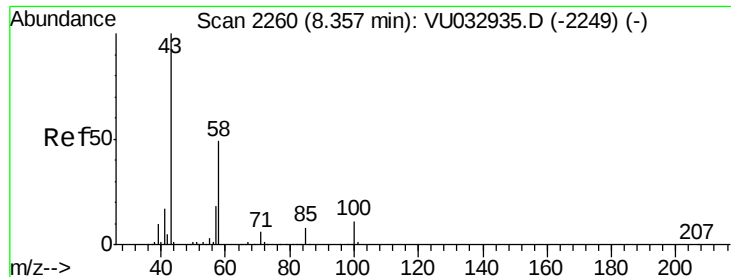
#46
 Tetrachloroethene
 Concen: 46.667 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU032949.D
 Acq: 21 Jun 2019 17:11

Tgt Ion:	164	Resp:	53151
Ion	Ratio	Lower	Upper
164	100		
129	97.4	64.8	120.3
131	93.8	64.5	119.7
166	130.3	91.3	169.6



Abundance Ion 164.00 (163.70 to 164.70): VU032935.D (-2206) (-)
 Ion 129.00 (128.70 to 129.70): VU032935.D (-2206) (-)
 Ion 131.00 (130.70 to 131.70): VU032935.D (-2206) (-)
 Ion 166.00 (165.70 to 166.70): VU032935.D (-2206) (-)

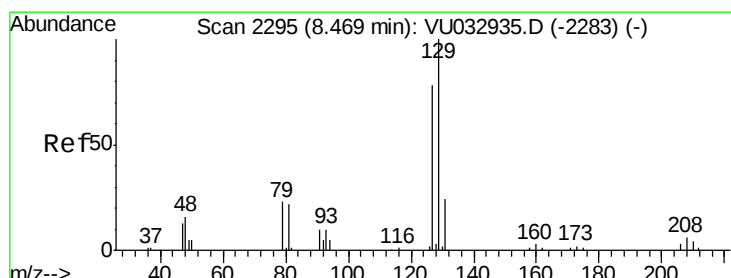
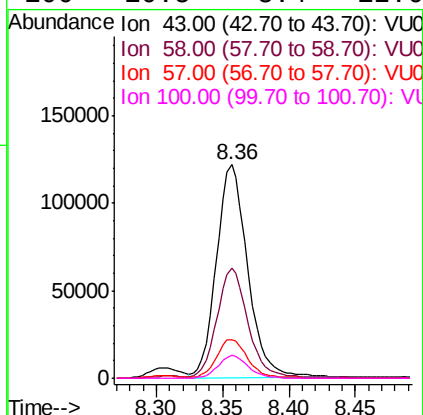
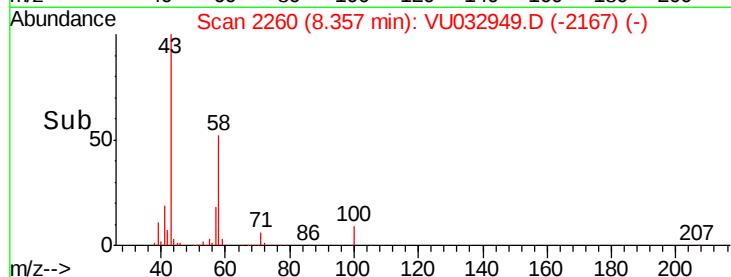
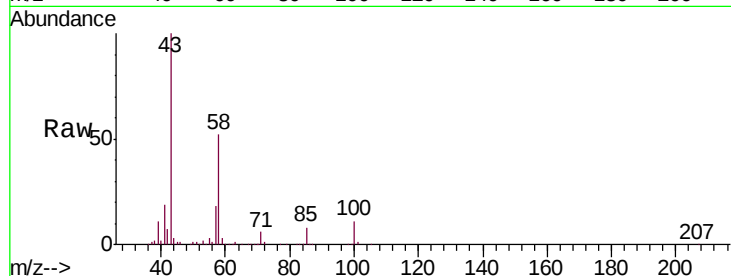




#48
2-Hexanone
Concen: 98.919 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU032949.D
Acq: 21 Jun 2019 17:11

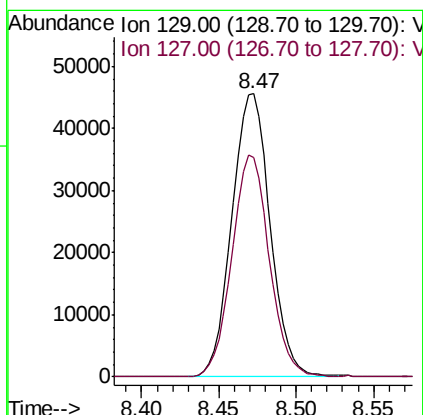
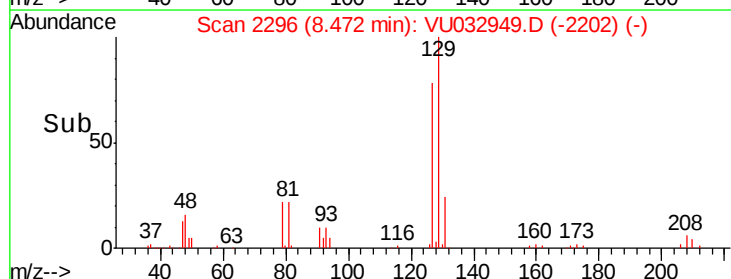
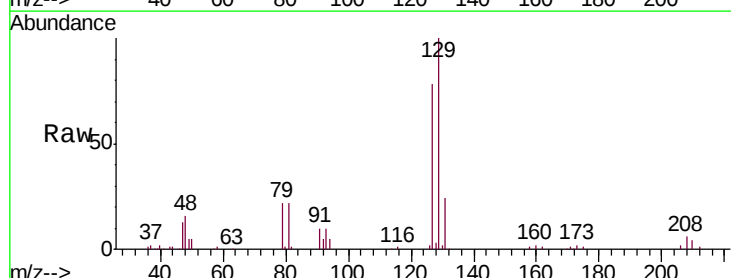
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

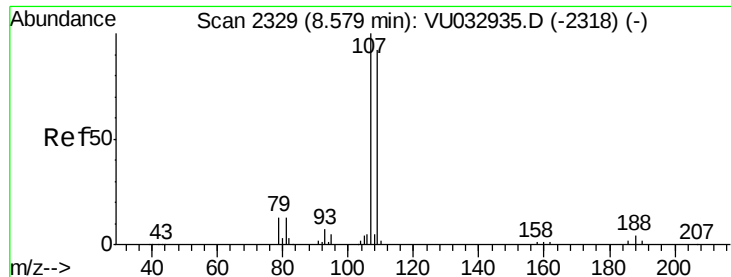
Tgt Ion: 43 Resp: 198835
Ion Ratio Lower Upper
43 100
58 51.7 40.2 60.2
57 17.9 14.2 21.4
100 10.5 8.4 12.6



#49
Dibromochloromethane
Concen: 49.015 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032949.D
Acq: 21 Jun 2019 17:11

Tgt Ion: 129 Resp: 78480
Ion Ratio Lower Upper
129 100
127 77.6 52.3 97.1

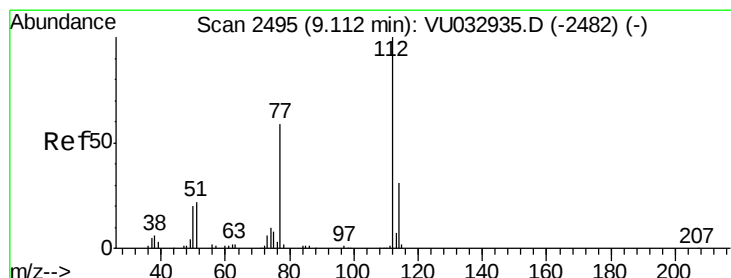
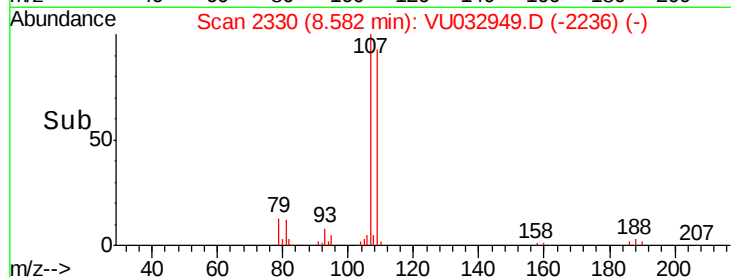
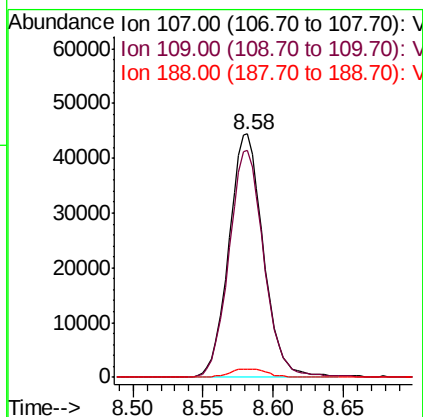
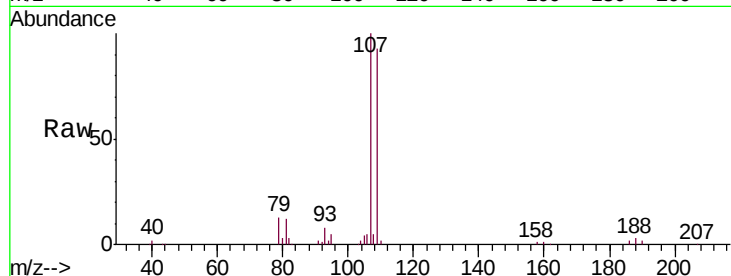




#50
1,2-Dibromoethane
Concen: 51.495 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032949.D
Acq: 21 Jun 2019 17:11

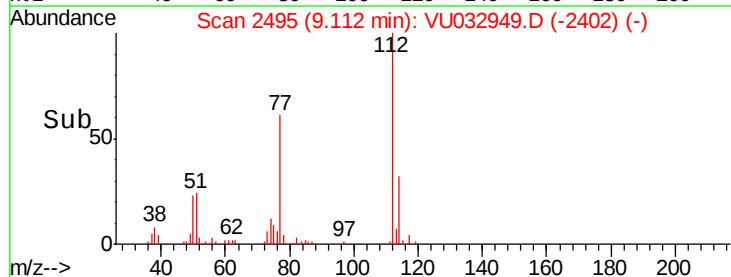
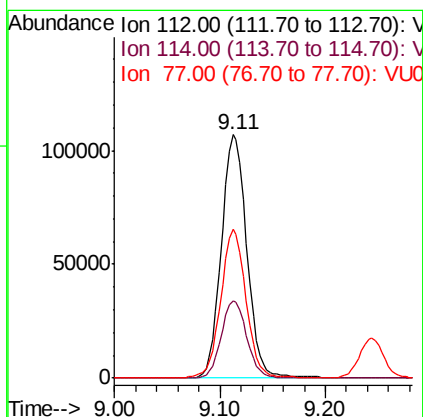
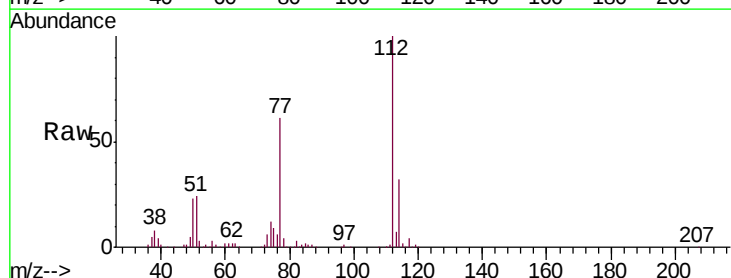
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

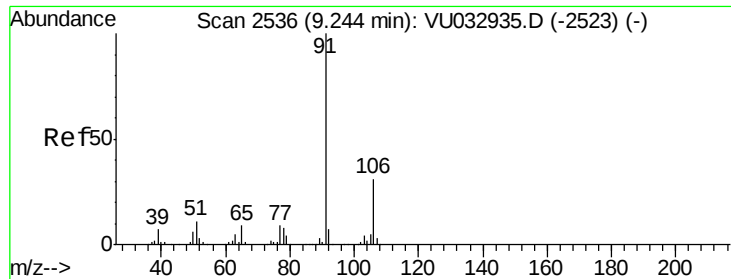
Tgt Ion:107 Resp: 75956
Ion Ratio Lower Upper
107 100
109 93.1 65.4 121.4
188 3.3 3.1 4.7



#51
Chlorobenzene
Concen: 48.318 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032949.D
Acq: 21 Jun 2019 17:11

Tgt Ion:112 Resp: 178960
Ion Ratio Lower Upper
112 100
114 31.9 22.8 42.4
77 61.2 46.3 69.5





#52

Ethylbenzene

Concen: 48.847 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

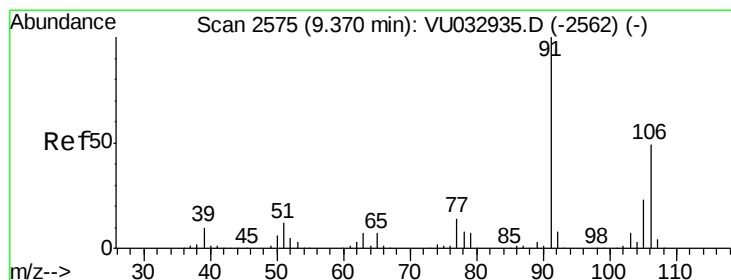
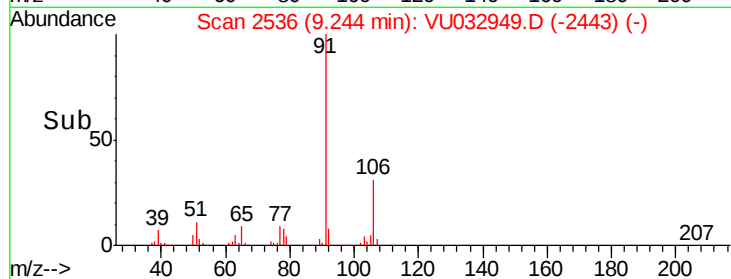
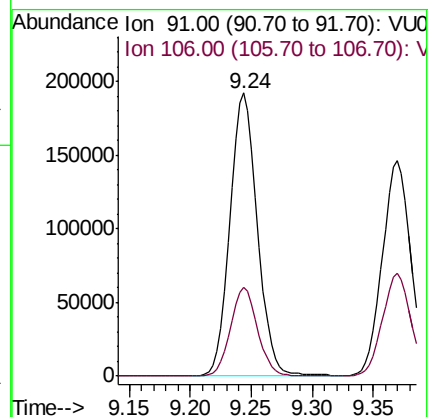
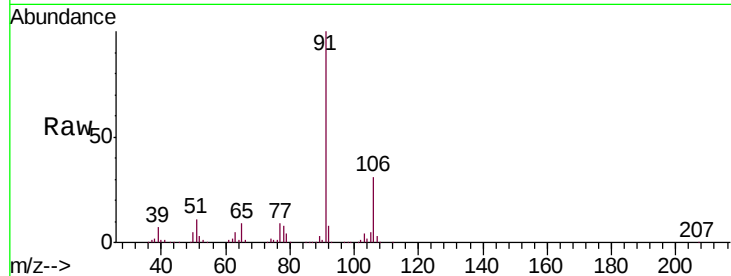
VSTD05057

Tgt Ion: 91 Resp: 304320

Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.4



#53

m,p-Xylene

Concen: 47.989 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032949.D

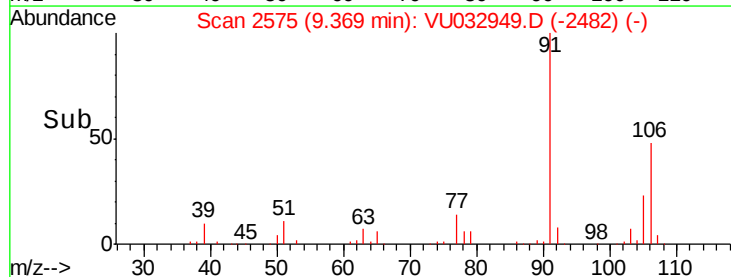
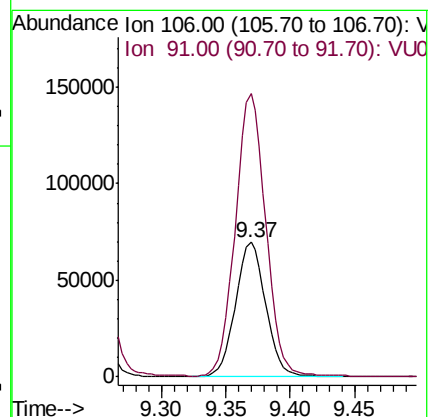
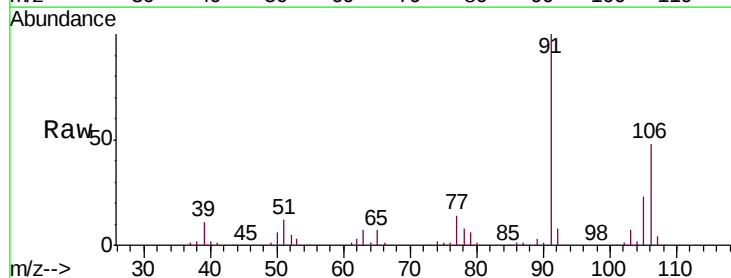
Acq: 21 Jun 2019 17:11

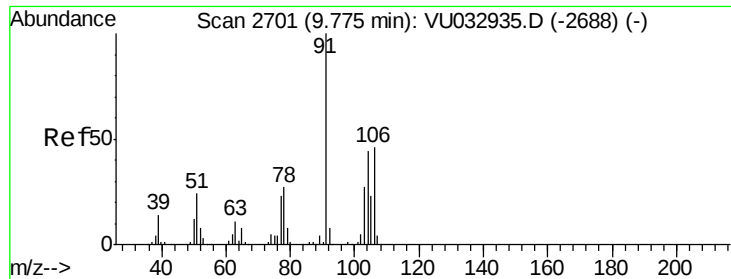
Tgt Ion: 106 Resp: 112801

Ion Ratio Lower Upper

106 100

91 210.2 142.9 265.5





#54

o-xylene

Concen: 49.597 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

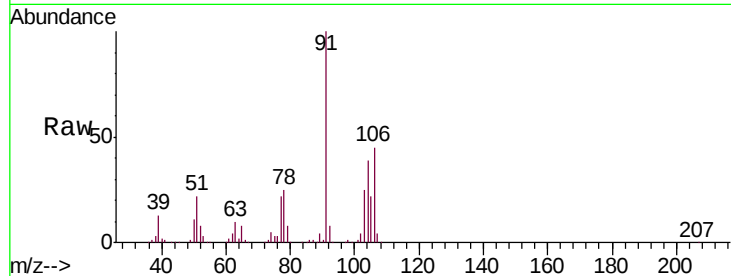
VSTD05057

Tgt Ion:106 Resp: 113849

Ion Ratio Lower Upper

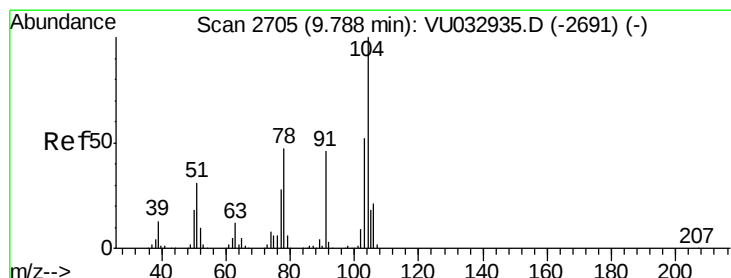
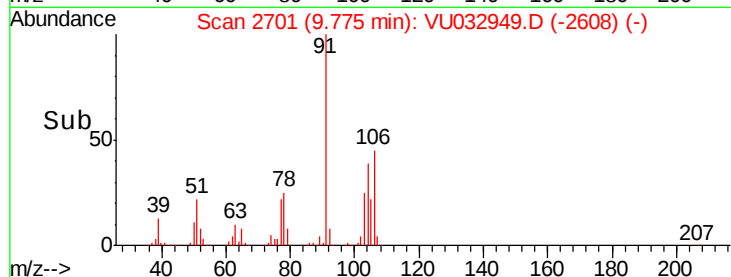
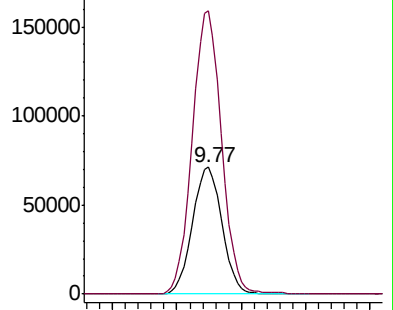
106 100

91 223.3 152.9 284.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.423 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU032949.D

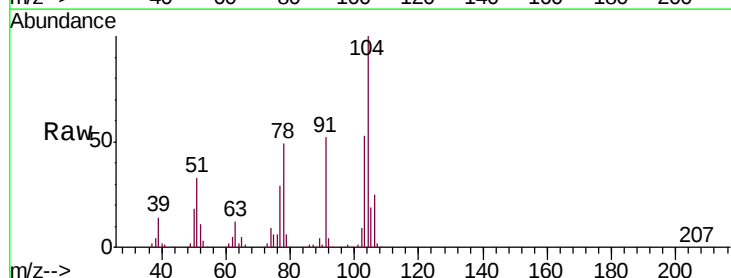
Acq: 21 Jun 2019 17:11

Tgt Ion:104 Resp: 196815

Ion Ratio Lower Upper

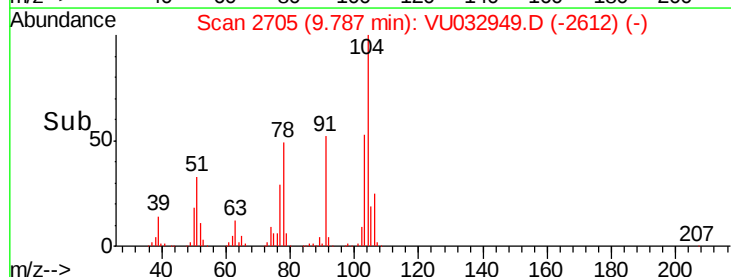
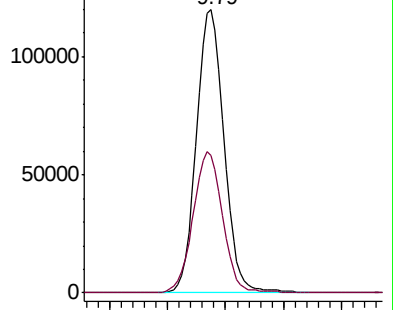
104 100

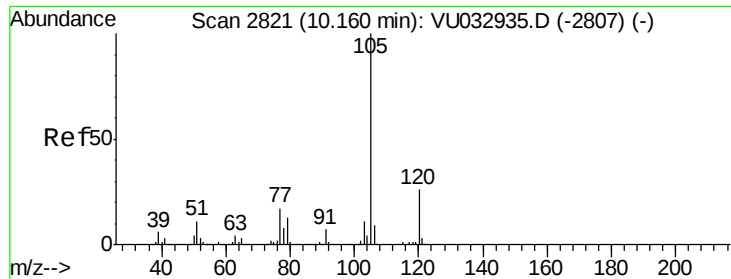
78 48.7 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 48.658 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

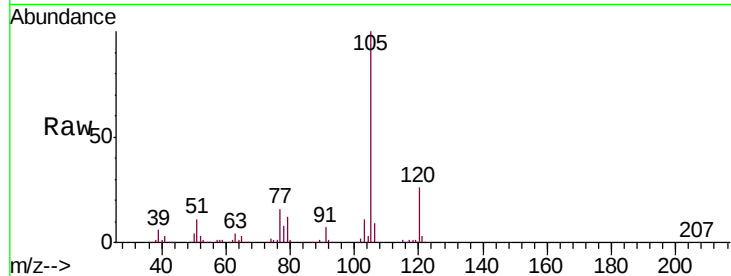
Tgt Ion: 105 Resp: 301013

Ion Ratio Lower Upper

105 100

120 26.0 21.4 32.0

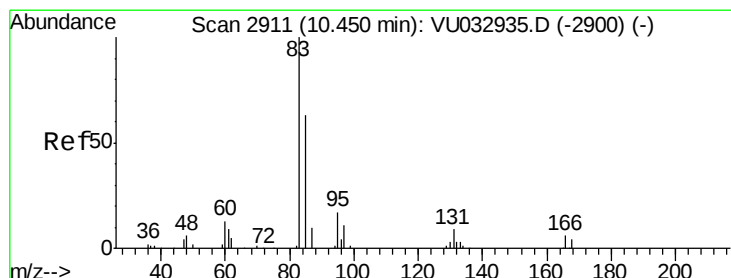
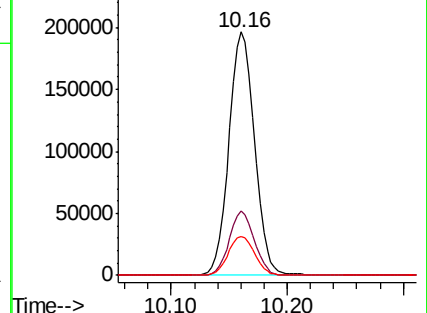
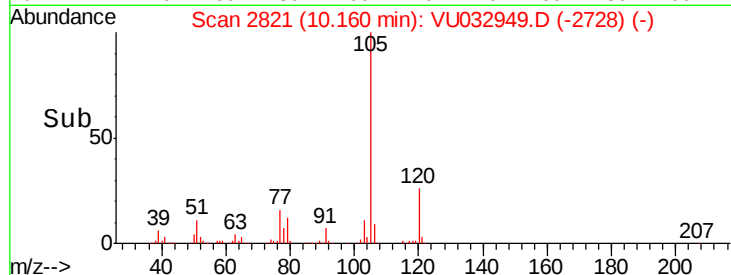
77 16.5 13.0 19.4



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: 51.506 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

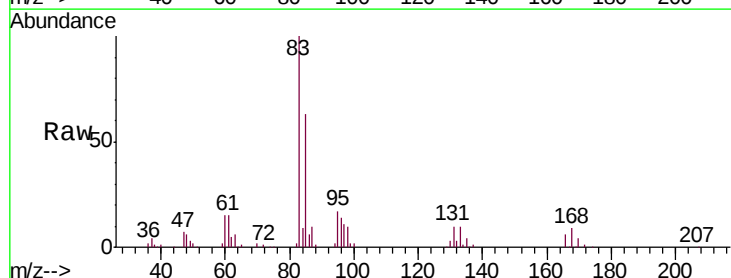
Tgt Ion: 83 Resp: 123786

Ion Ratio Lower Upper

83 100

85 62.5 45.8 85.2

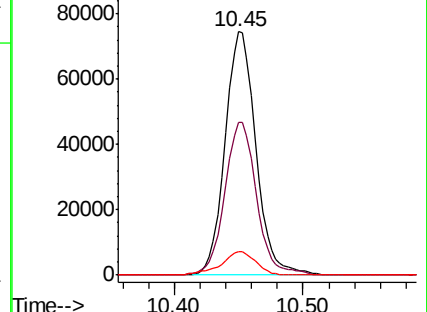
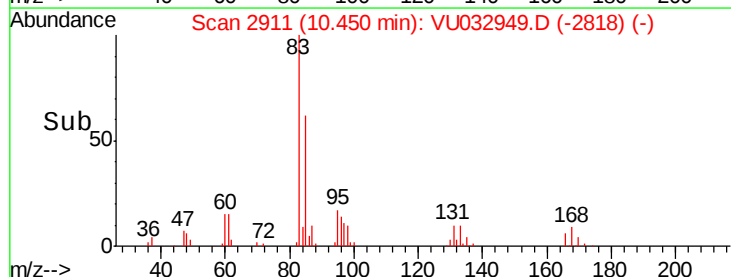
131 9.8 7.8 11.8

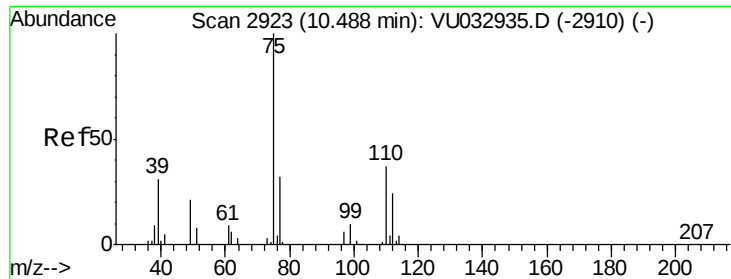


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

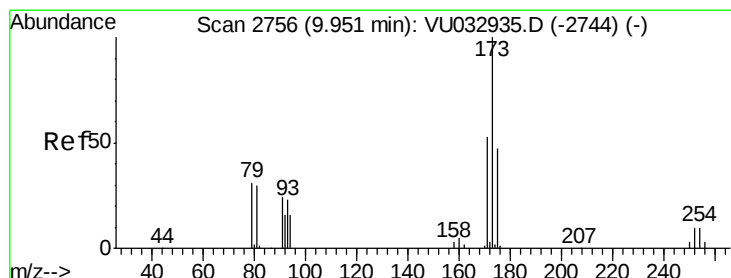
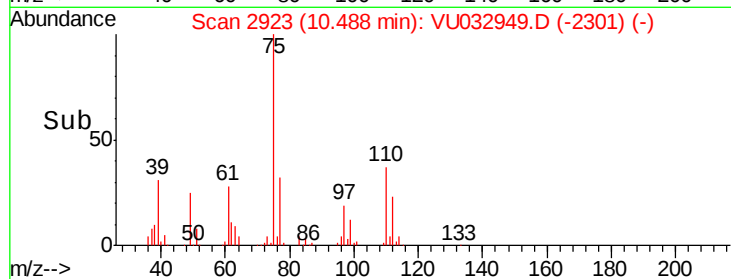
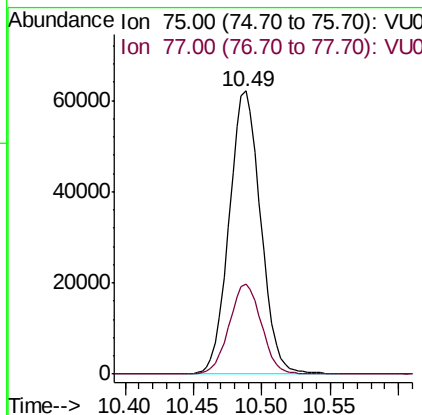
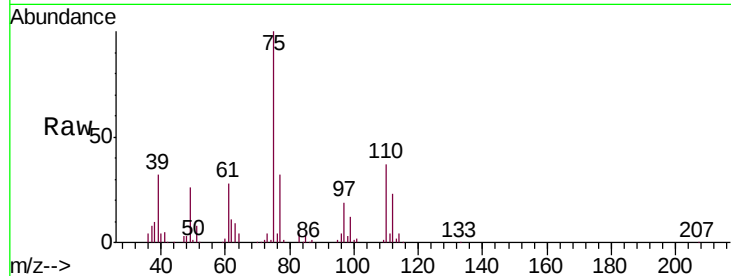




#59
 1,2,3-Trichloropropane
 Concen: 52.368 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032949.D
 Acq: 21 Jun 2019 17:11

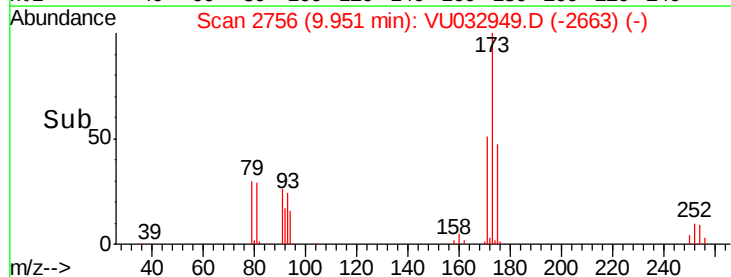
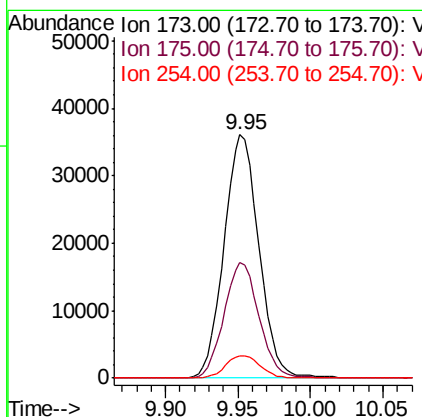
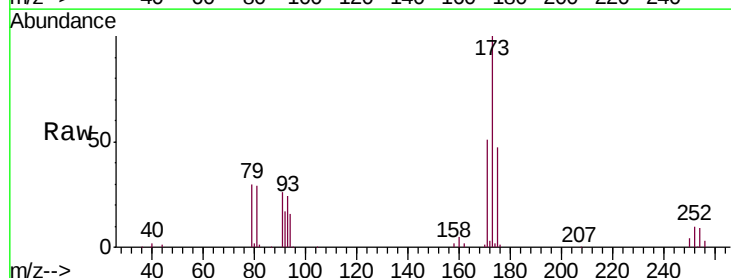
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

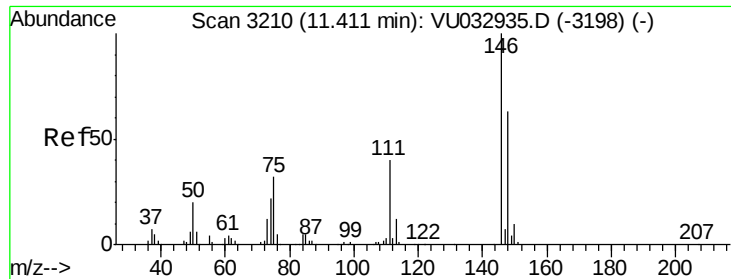
Tgt Ion: 75 Resp: 99726
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.5 38.3



#61
 Bromoform
 Concen: 47.731 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032949.D
 Acq: 21 Jun 2019 17:11

Tgt Ion: 173 Resp: 60088
 Ion Ratio Lower Upper
 173 100
 175 47.5 39.0 58.4
 254 9.2 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 49.014 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

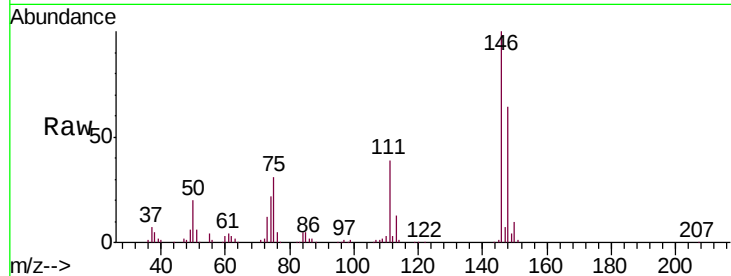
Tgt Ion:146 Resp: 146883

Ion Ratio Lower Upper

146 100

111 39.2 28.4 52.8

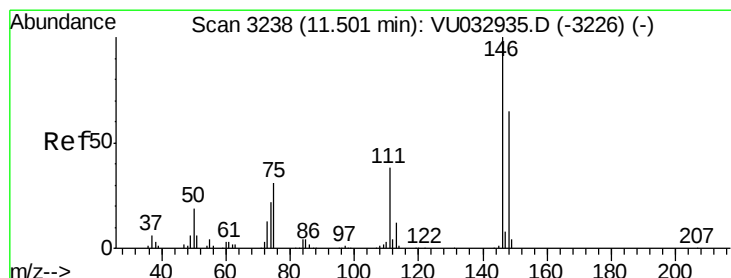
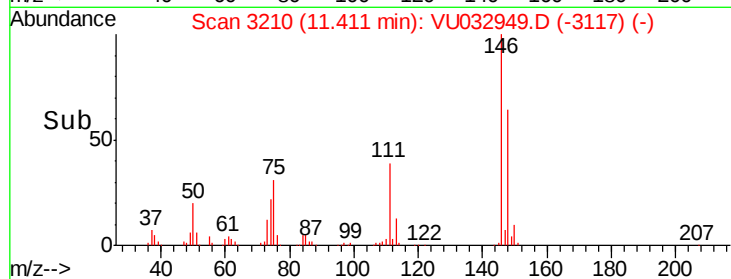
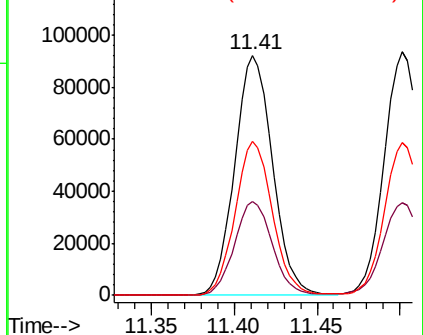
148 63.9 45.5 84.5



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



#63

1,4-Dichlorobenzene

Concen: 47.609 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

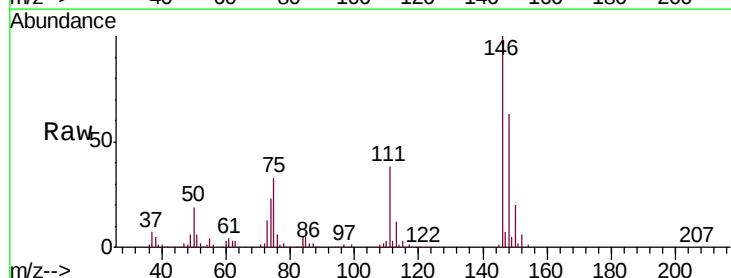
Tgt Ion:146 Resp: 147362

Ion Ratio Lower Upper

146 100

111 38.2 26.9 50.1

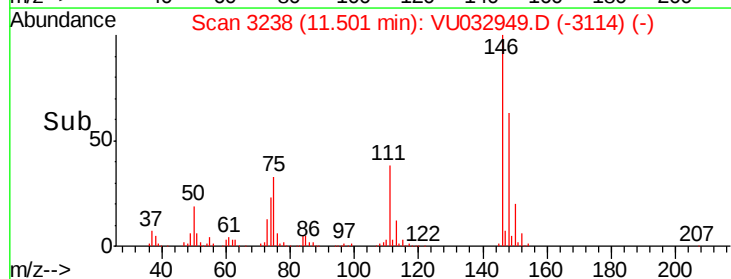
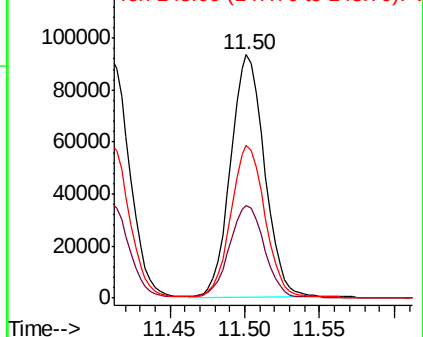
148 62.8 44.7 83.1

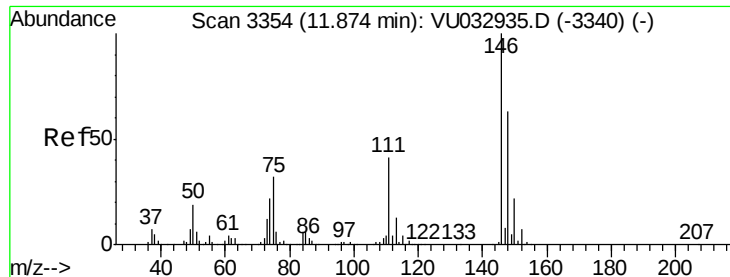


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

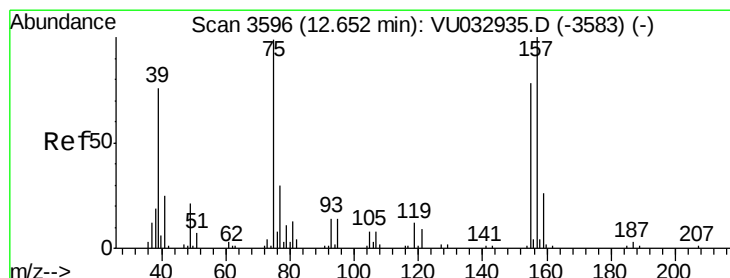
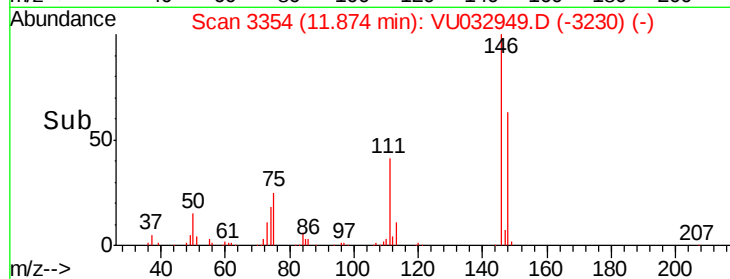
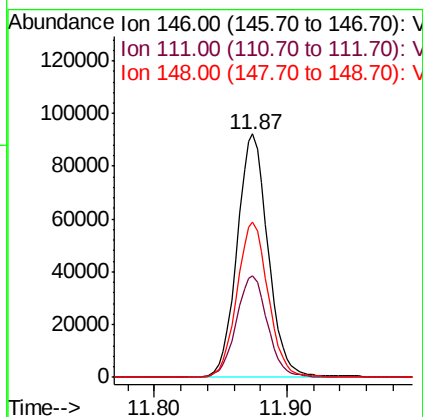
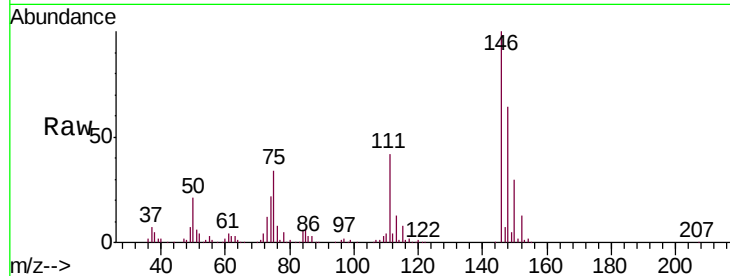




#65
 1,2-Dichlorobenzene
 Concen: 48.838 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU032949.D
 Acq: 21 Jun 2019 17:11

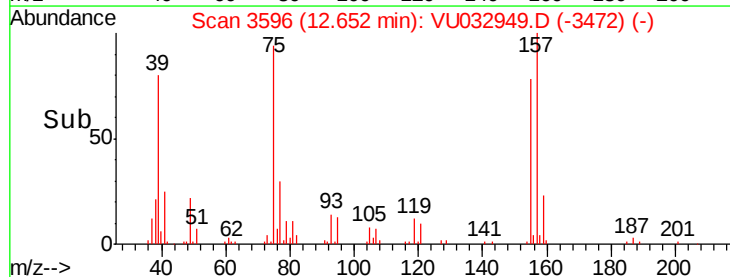
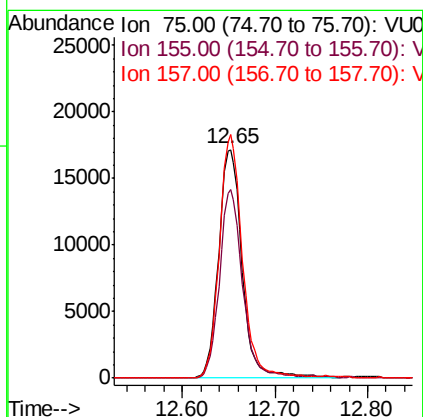
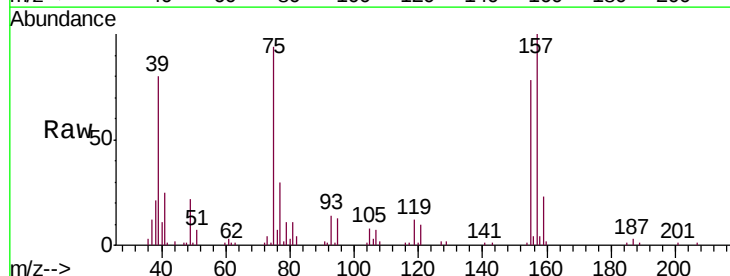
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

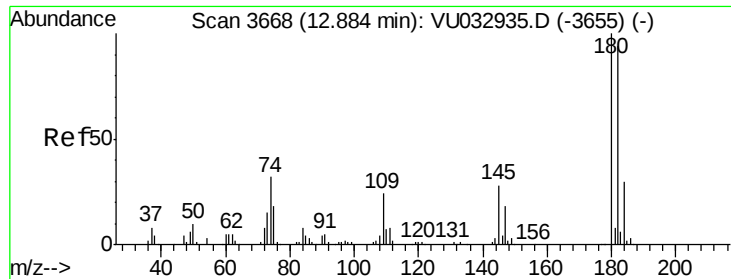
Tgt Ion:146 Resp: 149437
 Ion Ratio Lower Upper
 146 100
 111 42.0 34.1 51.1
 148 63.6 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.837 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU032949.D
 Acq: 21 Jun 2019 17:11

Tgt Ion: 75 Resp: 30260
 Ion Ratio Lower Upper
 75 100
 155 82.7 67.4 101.2
 157 106.6 85.5 128.3

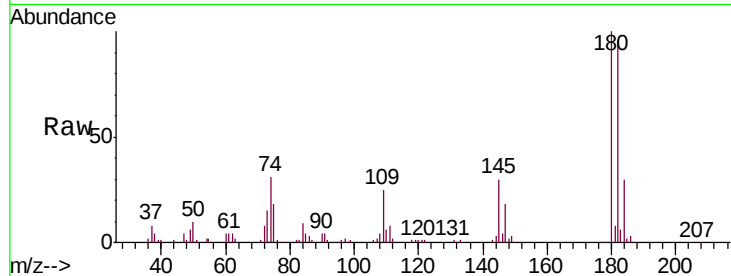




#67
 1,3,5-Trichlorobenzene
 Concen: 47.643 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU032949.D
 Acq: 21 Jun 2019 17:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	78.3	117.5
184	31.1	24.8	37.2
145	30.1	23.4	35.2



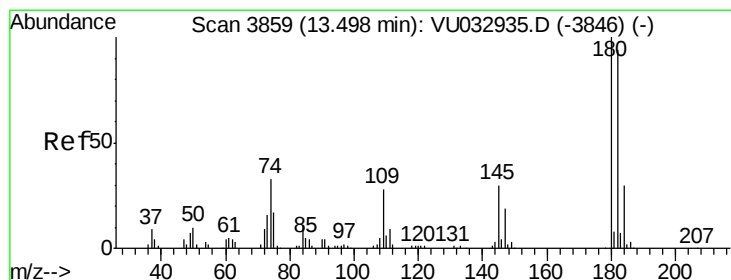
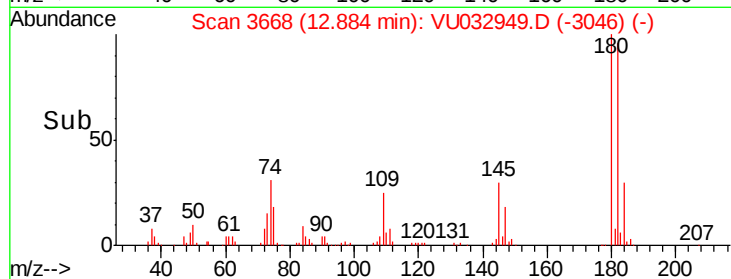
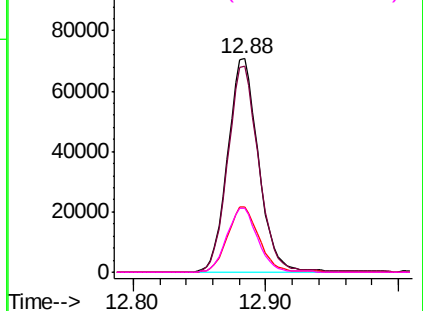
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

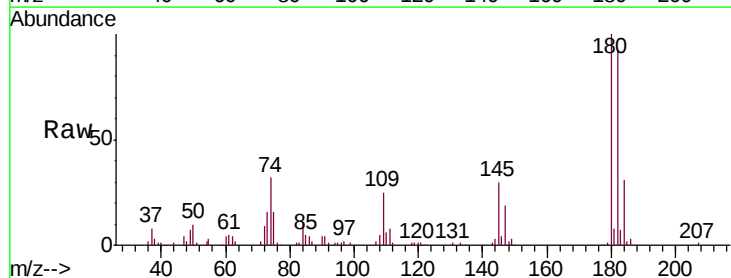
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.167 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032949.D
 Acq: 21 Jun 2019 17:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	31.5	23.8	35.8

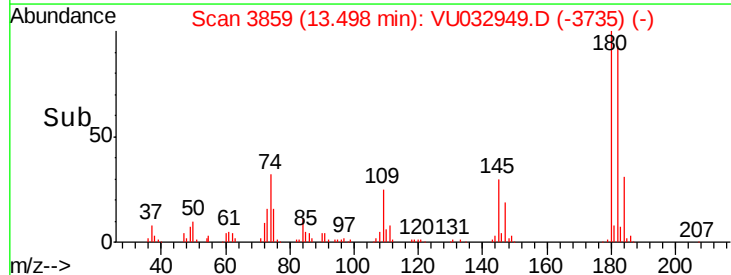
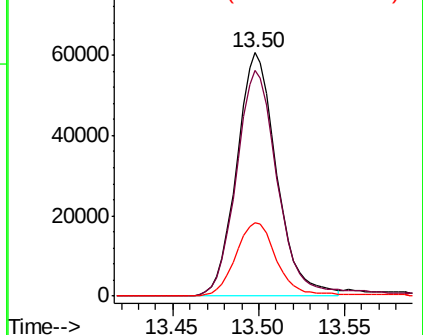


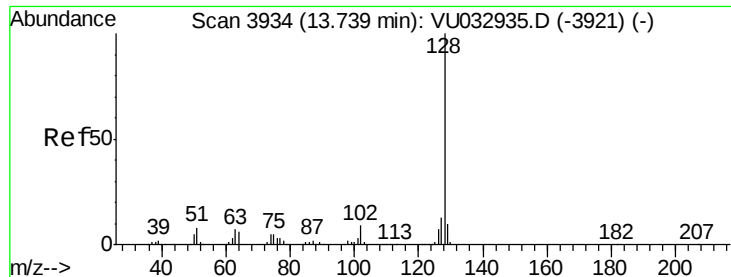
Abundance

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: 48.275 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

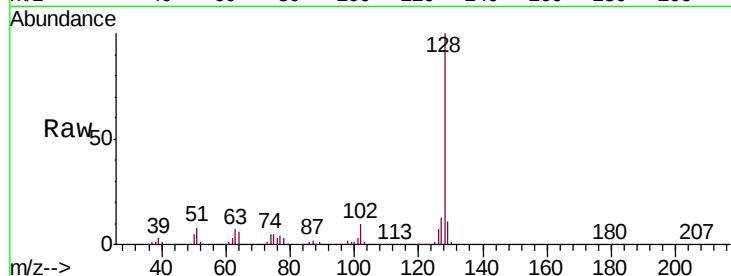
Tgt Ion:128 Resp: 307529

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

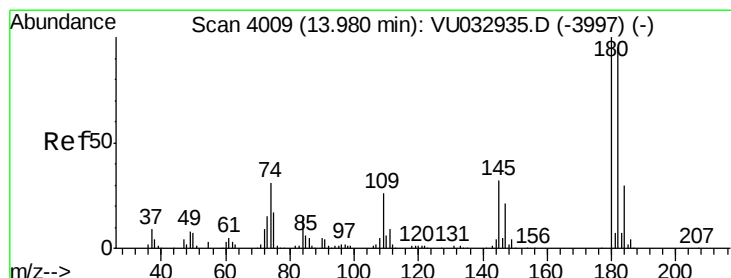
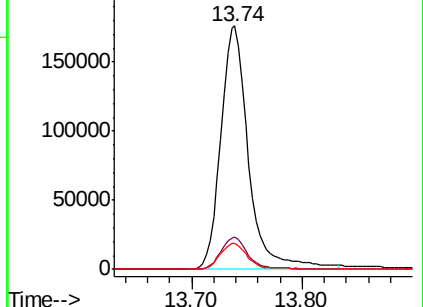
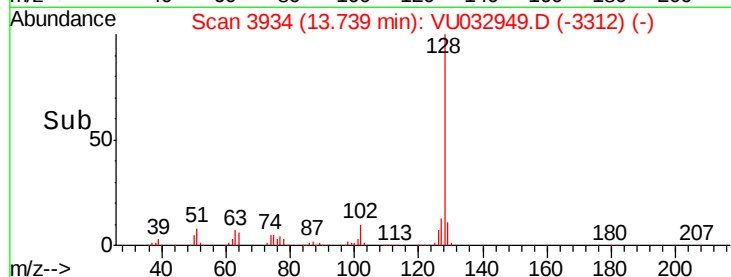
129 10.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 47.644 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032949.D

Acq: 21 Jun 2019 17:11

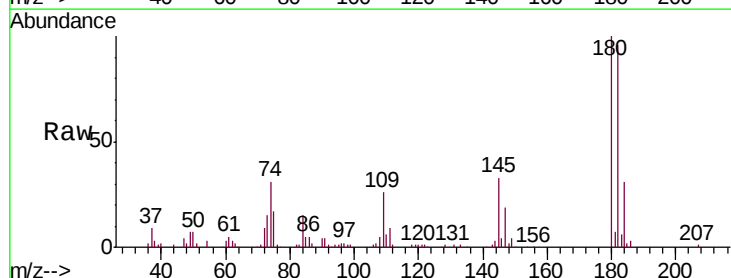
Tgt Ion:180 Resp: 104500

Ion Ratio Lower Upper

180 100

182 96.5 77.0 115.6

145 31.1 25.5 38.3



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

