

Data File : VU032287.D
Acq On : 24 May 2019 03:57
Operator : JC/SP
Sample : VSTD00552
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Quant Time: May 24 05:11:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 05:08:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	659998	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	665420	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	285378	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	18654	4.50	ug/L	0.00
7) Chloroethane-d5	1.67	69	17371	4.72	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	37111	4.67	ug/L	0.00
21) 2-Butanone-d5	4.19	46	27111	9.69	ug/L	0.02
24) Chloroform-d	4.64	84	46391	5.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	28463	5.56	ug/L	0.00
32) Benzene-d6	5.34	84	87427	5.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	28068	5.52	ug/L	0.00
41) Toluene-d8	7.56	98	76144	4.68	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	11654	4.71	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	16677	7.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	44865	5.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	32479	5.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	23039	4.455 ug/L	98
3) Chloromethane	1.33	50	29698	6.252 ug/L	94
5) Vinyl chloride	1.40	62	25370	4.891 ug/L #	80
6) Bromomethane	1.62	94	22099	6.039 ug/L	89
8) Chloroethane	1.69	64	18897	5.901 ug/L	89
9) Trichlorofluoromethane	1.88	101	31762	4.411 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	17399	4.058 ug/L	94
12) 1,1-Dichloroethene	2.28	96	20704	4.771 ug/L	92
13) Acetone	2.32	43	31343	11.762 ug/L	95
14) Carbon disulfide	2.47	76	66073	5.209 ug/L	99
15) Methyl Acetate	2.62	43	27028	6.549 ug/L	92
16) Methylene chloride	2.70	84	29938	5.761 ug/L	93
17) trans-1,2-Dichloroethene	2.98	96	25022	5.497 ug/L	89
18) Methyl tert-butyl Ether	3.00	73	77111	5.647 ug/L	99
19) 1,1-Dichloroethane	3.44	63	42641	5.412 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	27390	5.242 ug/L	93
22) 2-Butanone	4.27	43	32537	10.418 ug/L	80
23) Bromochloromethane	4.55	128	15675	5.560 ug/L	95
25) Chloroform	4.67	83	48057	5.563 ug/L	95
27) 1,2-Dichloroethane	5.40	62	36682	5.699 ug/L	98
29) Cyclohexane	4.99	56	24854	4.146 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	34753	4.944 ug/L	97
31) Carbon tetrachloride	4.92	117	5016	0.822 ug/L	95
33) Benzene	5.39	78	99625	5.327 ug/L	100
34) Trichloroethene	6.19	95	25031	5.058 ug/L	90
35) Methylcyclohexane	6.41	83	26825	3.726 ug/L	93
37) 1,2-Dichloropropane	6.43	63	24756	5.343 ug/L	98
38) Bromodichloromethane	6.76	83	36134	5.671 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	32536	4.542 ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	61329	11.172 ug/L	94

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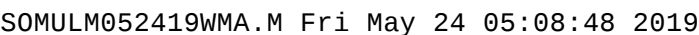
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

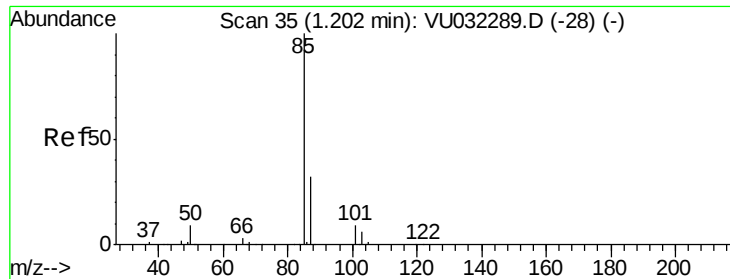
Quant Time: May 24 05:11:06 2019
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Quant Title : VOC Analysis
QLast Update : Fri May 24 05:08:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	99595	4.867	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	28007	4.385	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	27875	5.537	ug/L	96
46) Tetrachloroethene	8.22	164	19164	4.801	ug/L	96
48) 2-Hexanone	8.36	43	43645	9.347	ug/L	98
49) Dibromochloromethane	8.47	129	28319	5.277	ug/L	98
50) 1,2-Dibromoethane	8.58	107	29937	5.632	ug/L #	100
51) Chlorobenzene	9.12	112	69557	5.033	ug/L	97
52) Ethylbenzene	9.25	91	100057	4.584	ug/L	95
53) m,p-Xylene	9.37	106	36951	4.316	ug/L	92
54) o-xylene	9.78	106	38035	4.473	ug/L	99
55) Styrene	9.79	104	60845	4.156	ug/L	98
56) Isopropylbenzene	10.16	105	86187	3.987	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	46851	5.530	ug/L	93
59) 1,2,3-Trichloropropane	10.49	75	36202	5.580	ug/L	99
61) Bromoform	9.95	173	23155	6.241	ug/L #	95
62) 1,3-Dichlorobenzene	11.41	146	48370	5.228	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	51383	5.268	ug/L	93
65) 1,2-Dichlorobenzene	11.88	146	53905	5.519	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	8233	5.270	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	31943	4.542	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	20308	3.696	ug/L	93
69) Naphthalene	13.75	128	49985	2.944	ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	26334	4.250	ug/L	98

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

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Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
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#2

Dichlorodifluoromethane

Concen: 4.455 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

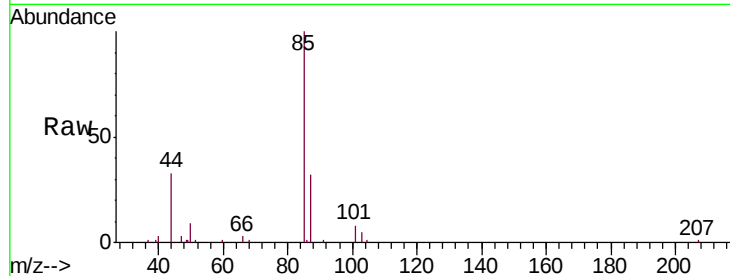
VSTD00552

Tgt Ion: 85 Resp: 23039

Ion Ratio Lower Upper

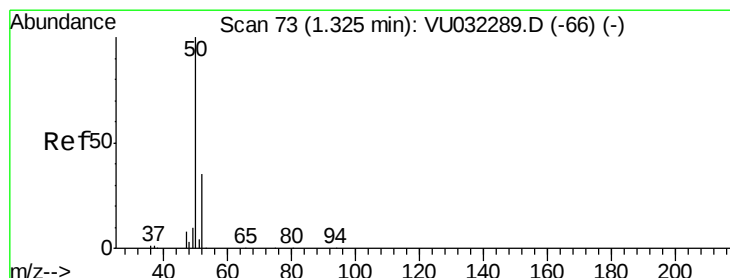
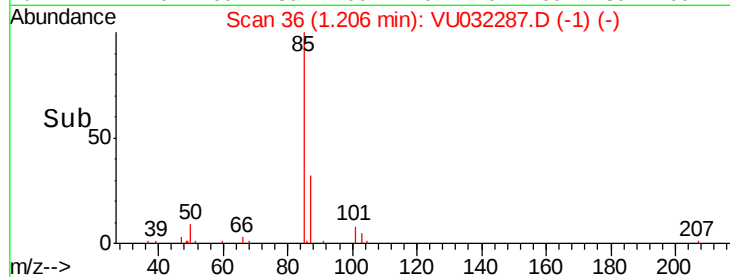
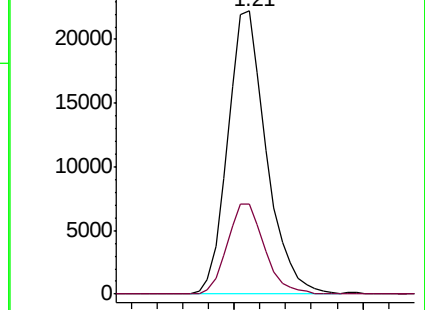
85 100

87 30.7 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VU032289.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032289.D (-28) (-)



#3

Chloromethane

Concen: 6.252 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032287.D

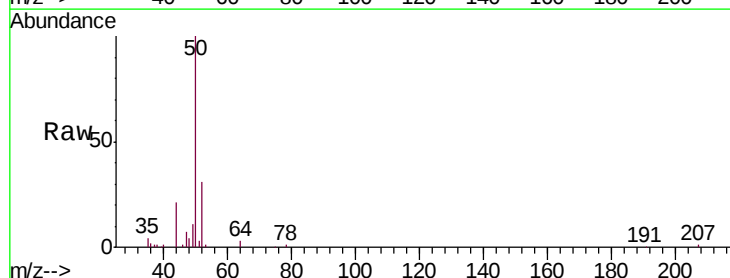
Acq: 24 May 2019 03:57

Tgt Ion: 50 Resp: 29698

Ion Ratio Lower Upper

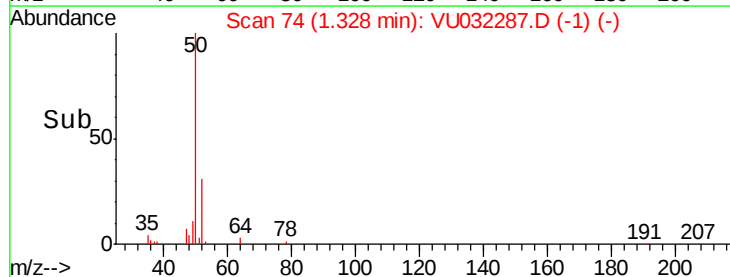
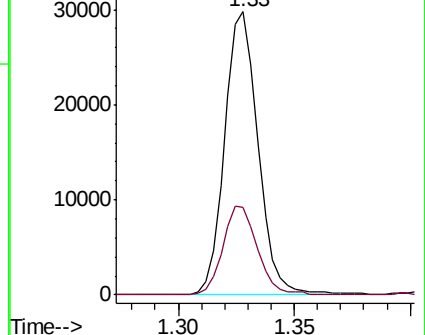
50 100

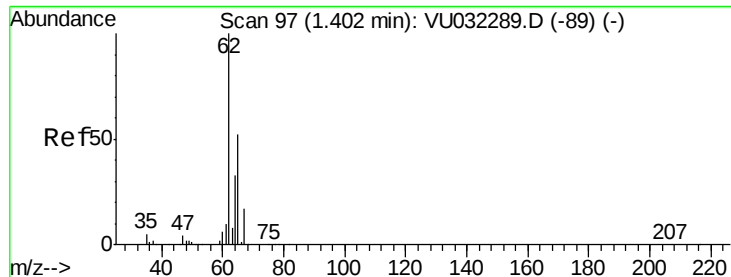
52 31.1 24.2 45.0



Abundance Ion 50.00 (49.70 to 50.70): VU032289.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU032289.D (-66) (-)





#5

Vinyl chloride

Concen: 4.891 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampled :

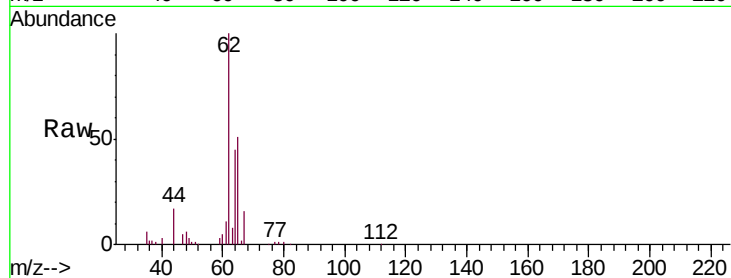
VSTD00552

Tgt Ion: 62 Resp: 25370

Ion Ratio Lower Upper

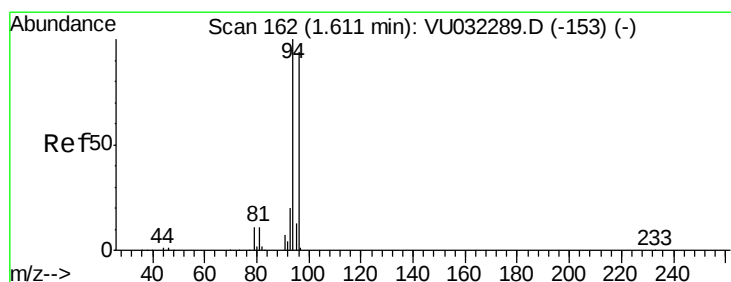
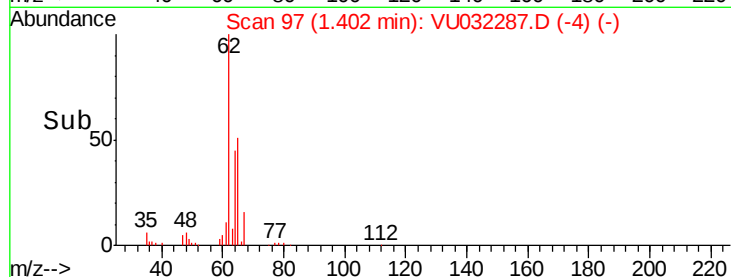
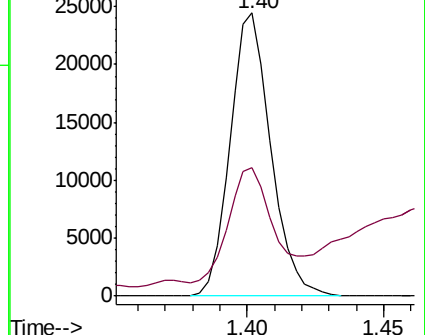
62 100

64 45.4 23.8 44.2#



Abundance Ion 62.00 (61.70 to 62.70): VU032289.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU032289.D (-89) (-)



#6

Bromomethane

Concen: 6.039 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU032287.D

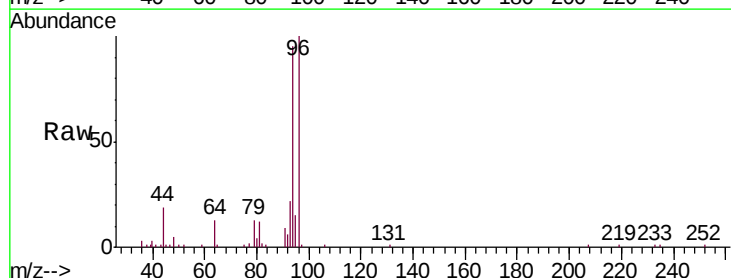
Acq: 24 May 2019 03:57

Tgt Ion: 94 Resp: 22099

Ion Ratio Lower Upper

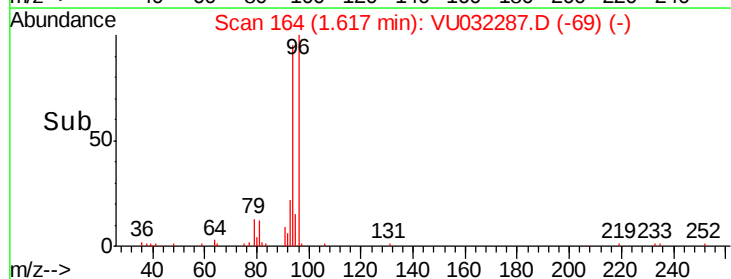
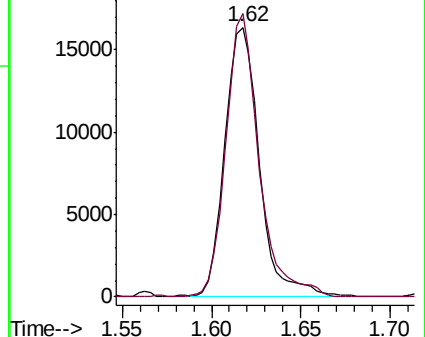
94 100

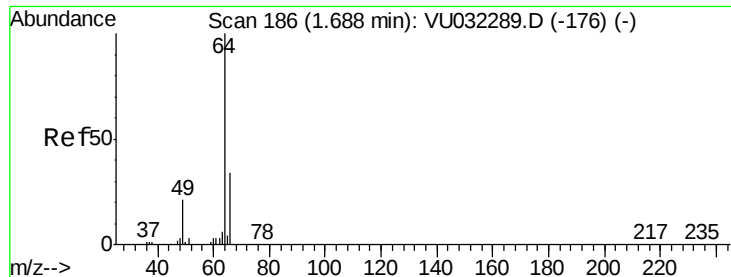
96 105.0 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU032289.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU032289.D (-153) (-)





#8

Chloroethane

Concen: 5.901 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

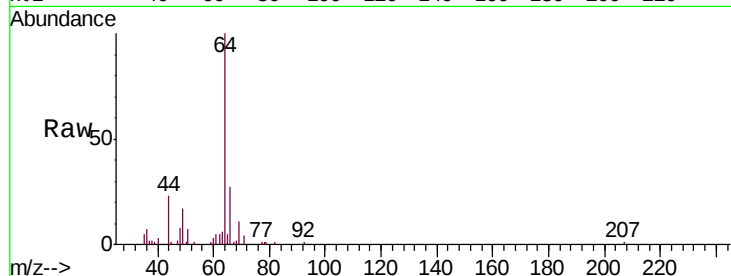
VSTD00552

Tgt Ion: 64 Resp: 18897

Ion Ratio Lower Upper

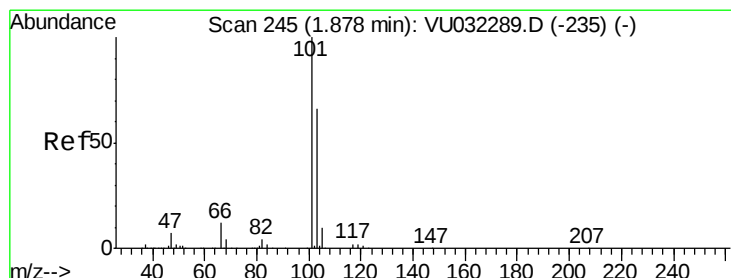
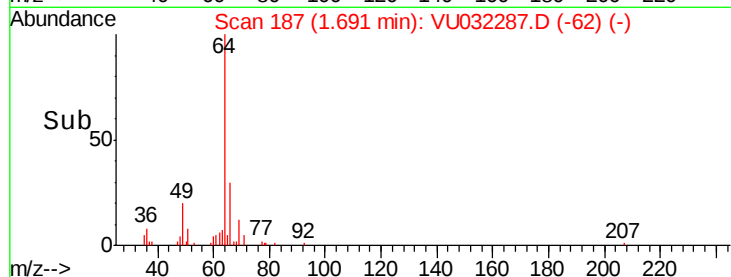
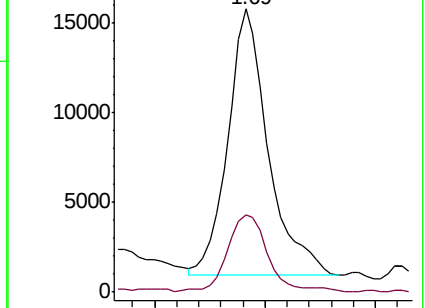
64 100

66 27.4 23.4 43.6



Abundance Ion 64.00 (63.70 to 64.70): VU032287.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU032287.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 4.411 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032287.D

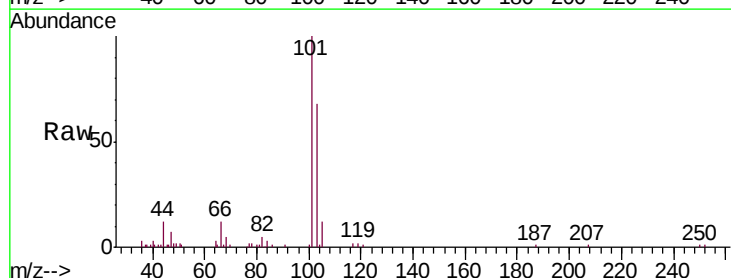
Acq: 24 May 2019 03:57

Tgt Ion: 101 Resp: 31762

Ion Ratio Lower Upper

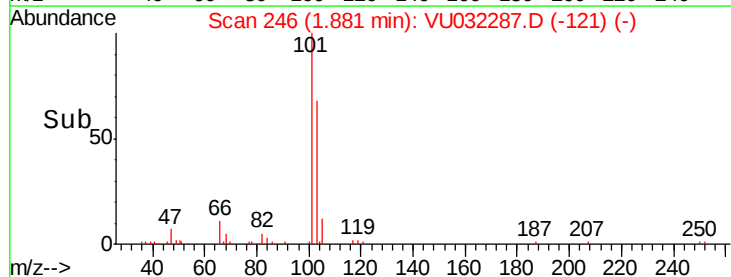
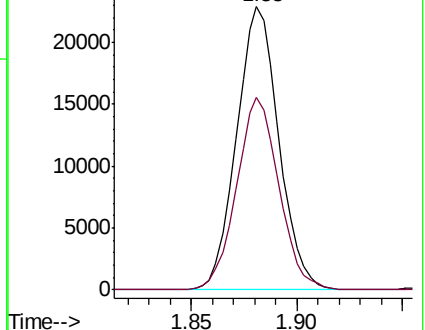
101 100

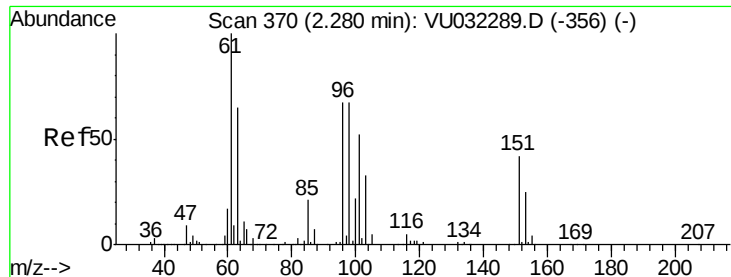
103 68.0 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VU032287.D (-121) (-)

Ion 103.00 (102.70 to 103.70): VU032287.D (-121) (-)





#10

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

Concen: 4.058 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

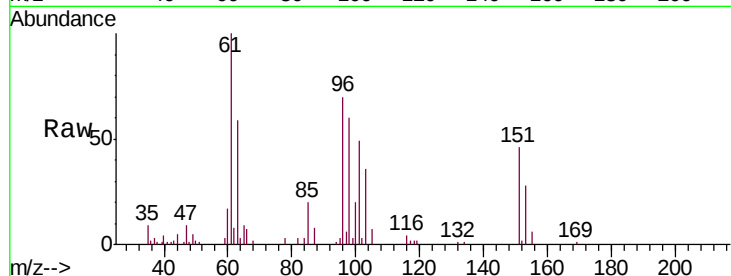
Tgt Ion: 101 Resp: 17399

Ion Ratio Lower Upper

101 100

85 43.5 32.8 49.2

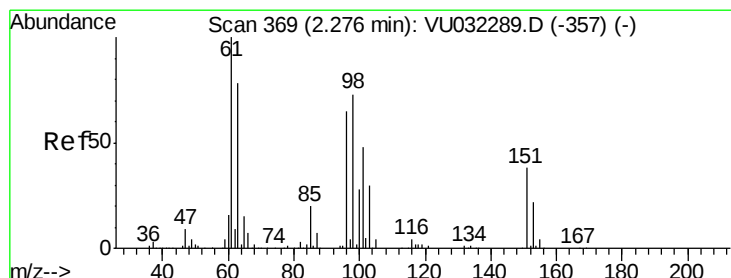
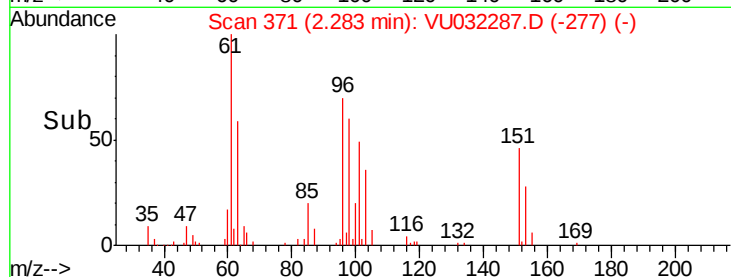
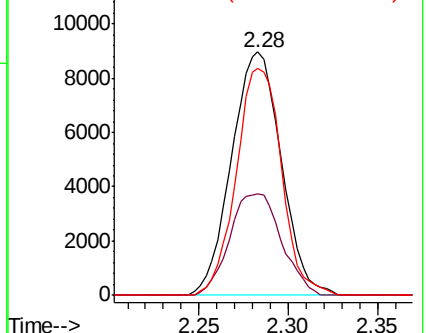
151 85.2 63.5 95.3



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: 4.771 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

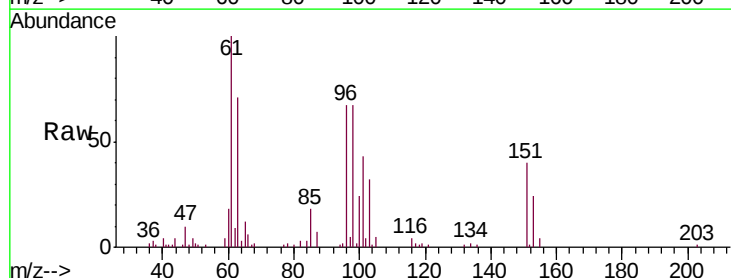
Tgt Ion: 96 Resp: 20704

Ion Ratio Lower Upper

96 100

61 149.7 108.0 200.6

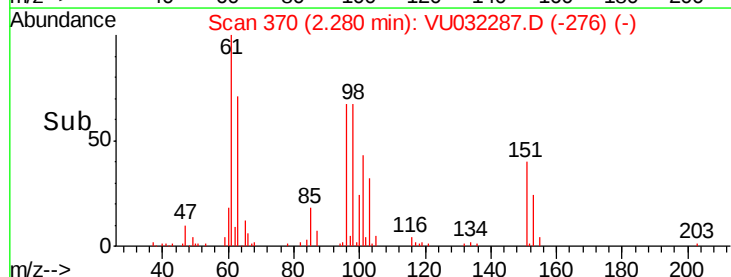
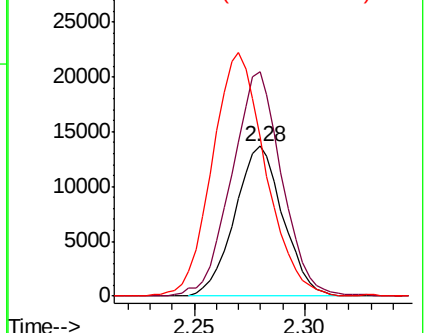
63 106.0 85.5 158.7

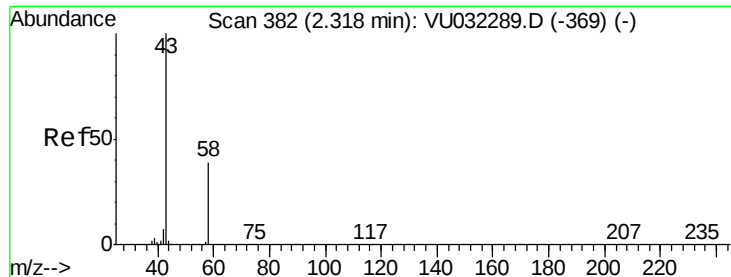


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.762 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

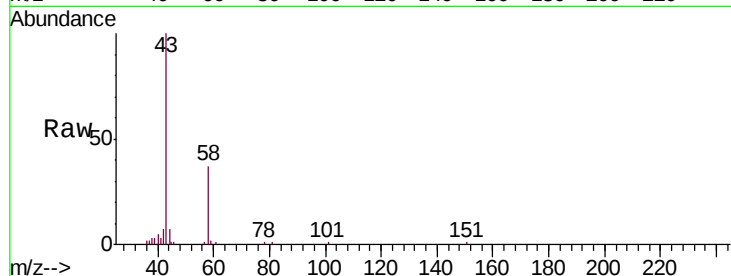
VSTD00552

Tgt Ion: 43 Resp: 31343

Ion Ratio Lower Upper

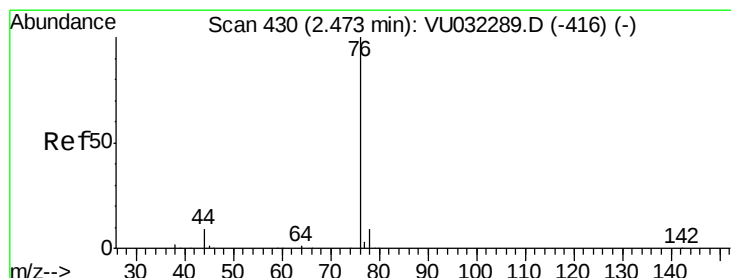
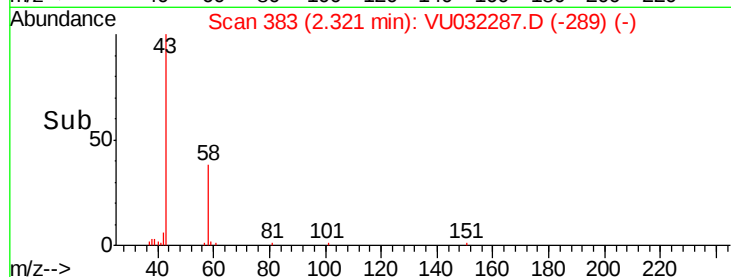
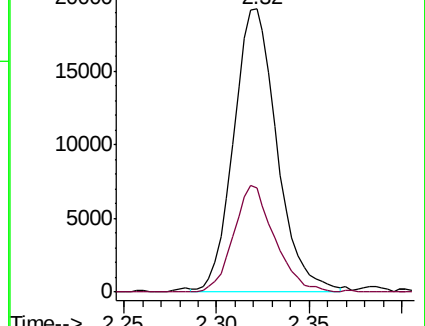
43 100

58 35.3 0.0 77.2



Abundance Ion 43.00 (42.70 to 43.70): VU032289.D (-369) (-)

Ion 58.00 (57.70 to 58.70): VU032289.D (-369) (-)



#14

Carbon disulfide

Concen: 5.209 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032287.D

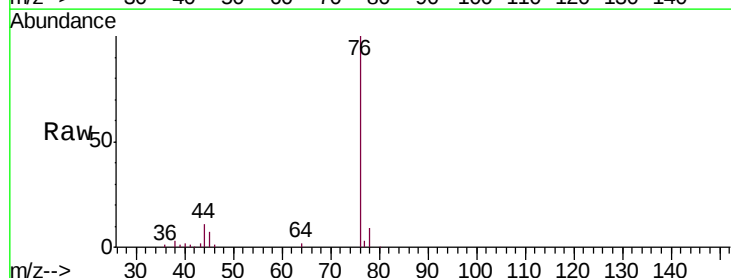
Acq: 24 May 2019 03:57

Tgt Ion: 76 Resp: 66073

Ion Ratio Lower Upper

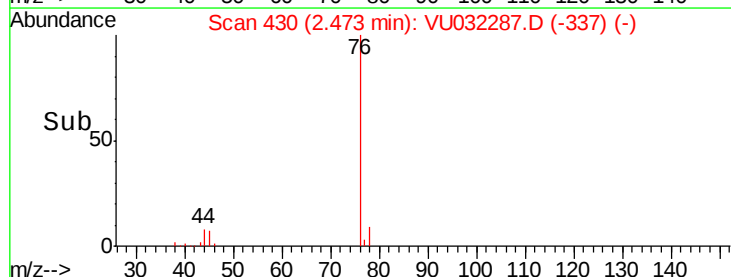
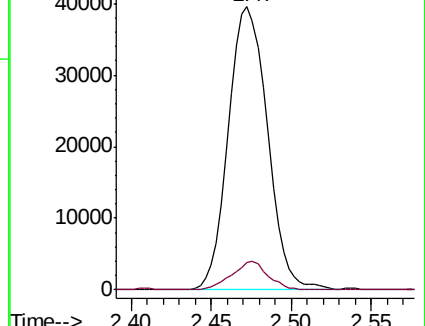
76 100

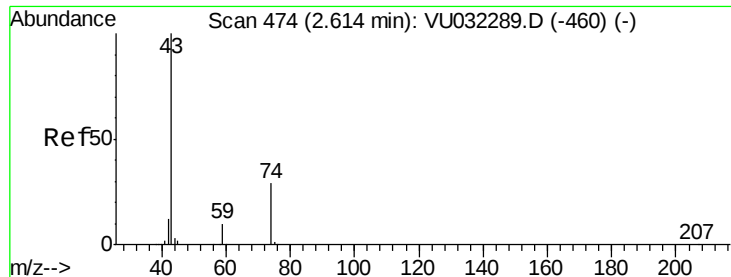
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU032289.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU032289.D (-416) (-)

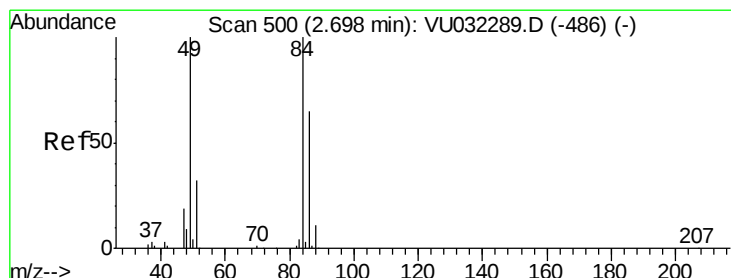
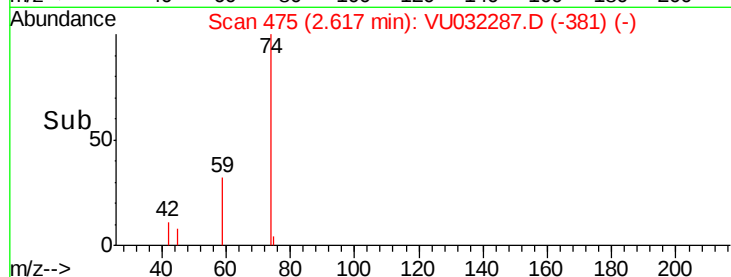
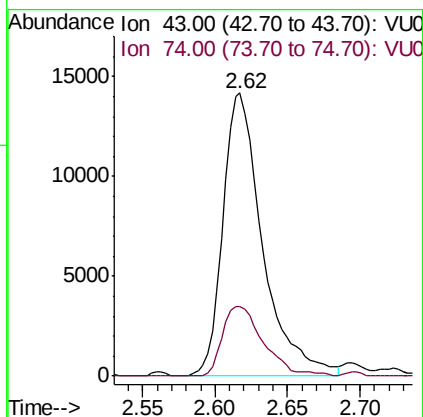
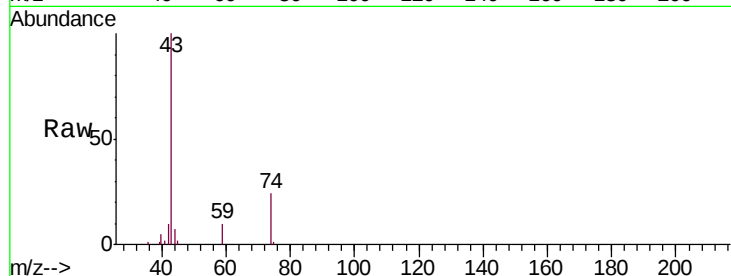




#15
Methyl Acetate
Concen: 6.549 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU032287.D
Acq: 24 May 2019 03:57

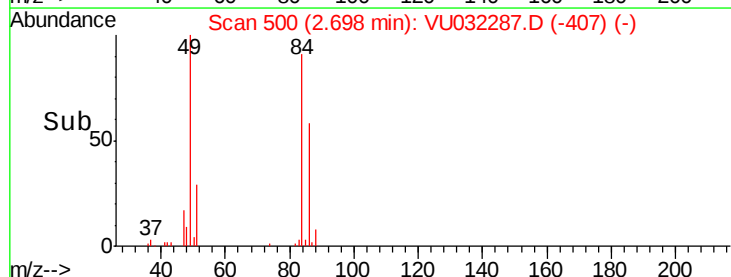
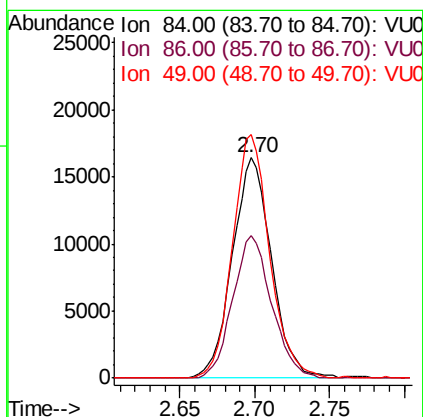
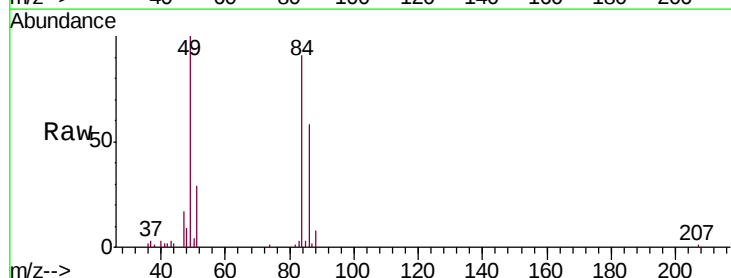
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

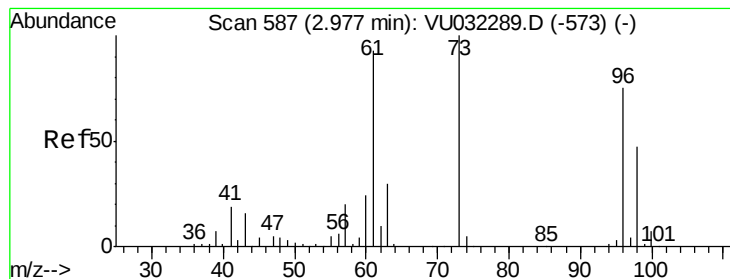
Tgt Ion: 43 Resp: 27028
Ion Ratio Lower Upper
43 100
74 24.7 23.1 34.7



#16
Methylene chloride
Concen: 5.761 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU032287.D
Acq: 24 May 2019 03:57

Tgt Ion: 84 Resp: 29938
Ion Ratio Lower Upper
84 100
86 64.4 45.7 84.9
49 110.5 70.0 130.0





#17

trans-1,2-Dichloroethene

Concen: 5.497 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

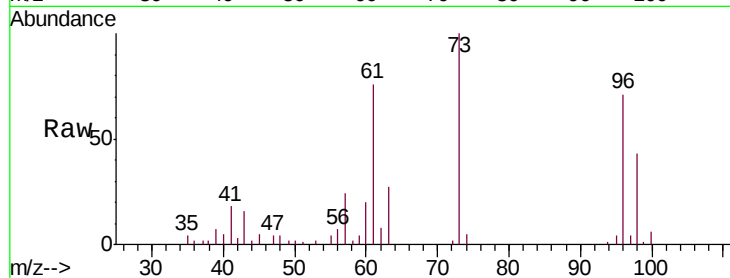
Tgt Ion: 96 Resp: 25022

Ion Ratio Lower Upper

96 100

61 106.9 86.5 160.7

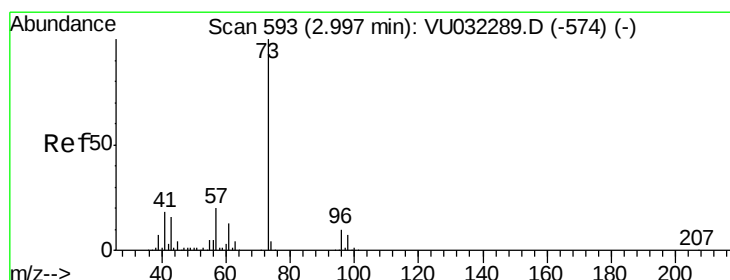
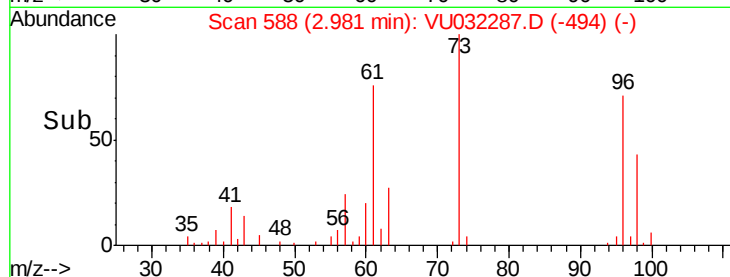
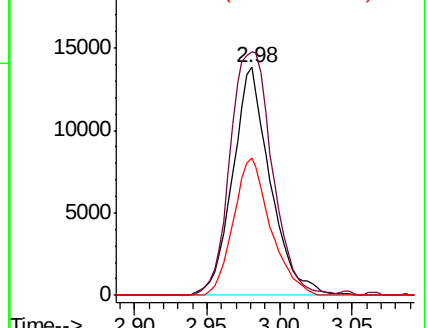
98 60.5 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 5.647 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

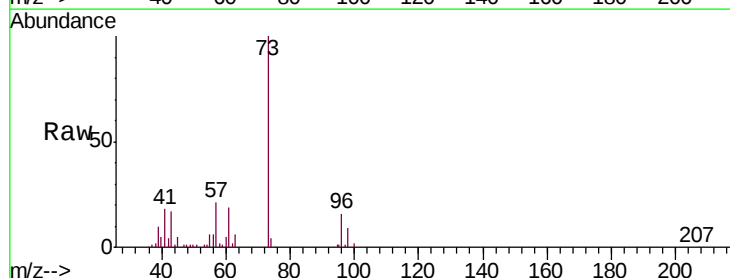
Tgt Ion: 73 Resp: 77111

Ion Ratio Lower Upper

73 100

43 16.5 13.2 19.8

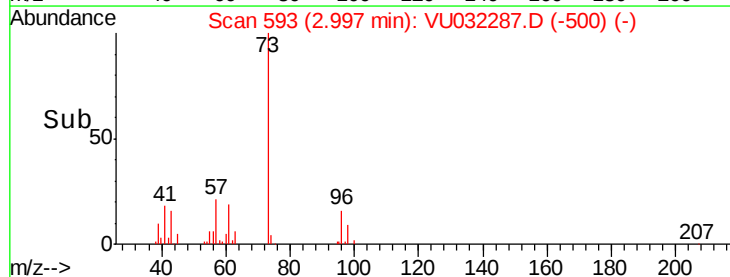
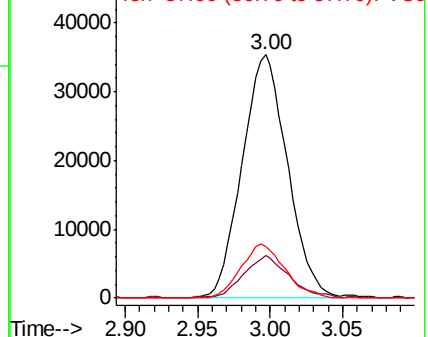
57 21.5 16.5 24.7

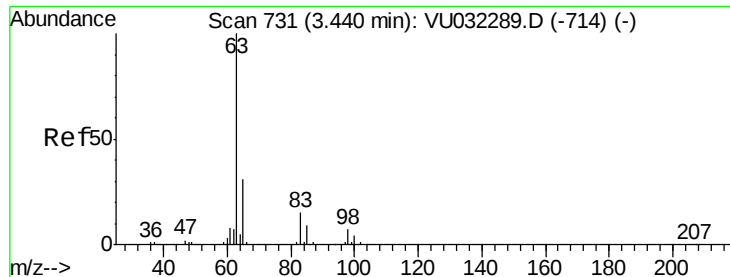


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 5.412 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

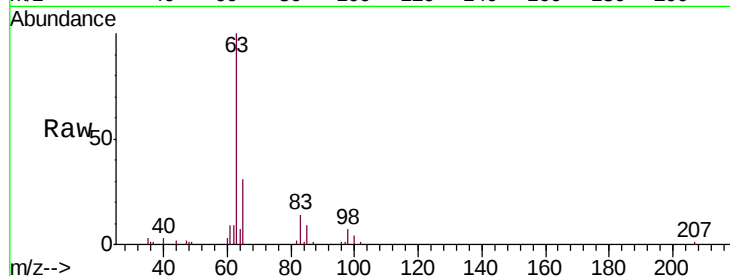
Tgt Ion: 63 Resp: 42641

Ion Ratio Lower Upper

63 100

65 31.2 21.6 40.0

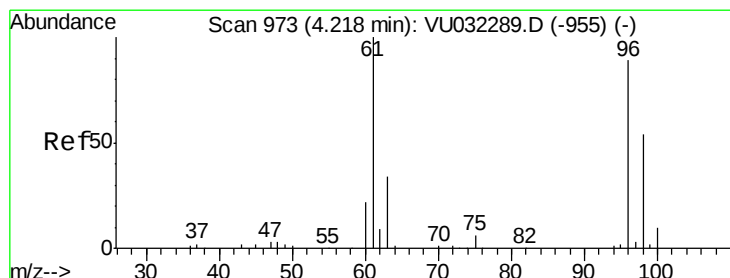
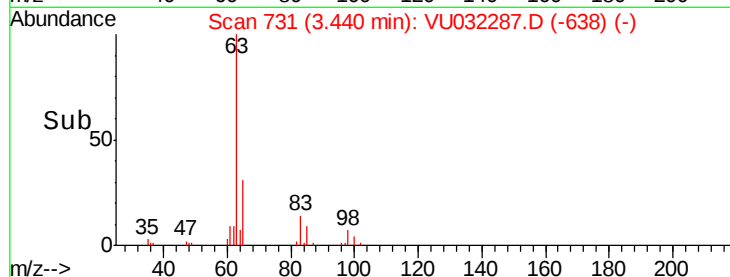
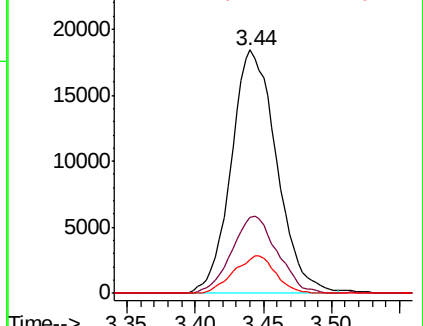
83 14.1 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VU032287.D (-638) (-)

Ion 65.00 (64.70 to 65.70): VU032287.D (-638) (-)

Ion 83.00 (82.70 to 83.70): VU032287.D (-638) (-)



#20

cis-1,2-Dichloroethene

Concen: 5.242 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

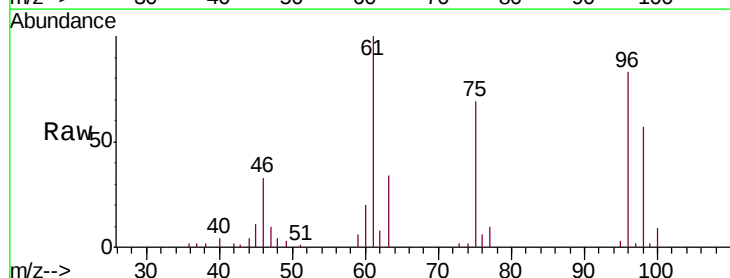
Tgt Ion: 96 Resp: 27390

Ion Ratio Lower Upper

96 100

61 120.1 78.5 145.9

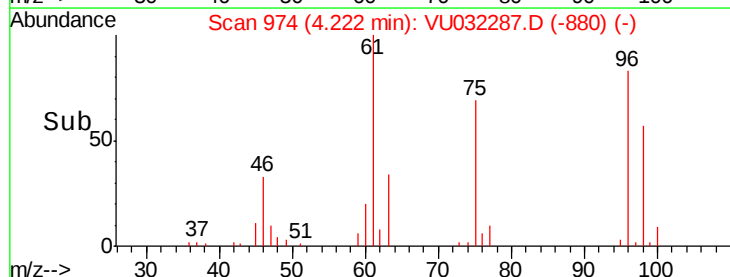
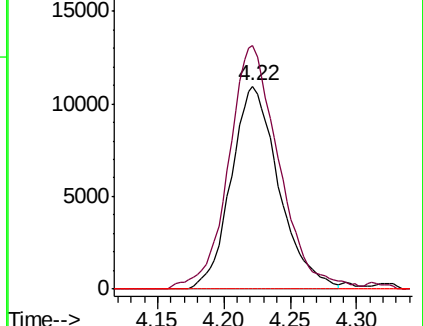
68 0.0 0.0 0.0

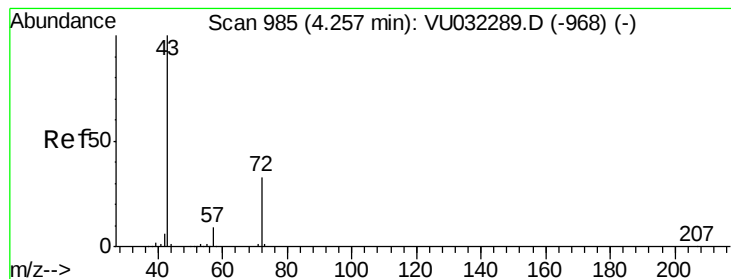


Abundance Ion 96.00 (95.70 to 96.70): VU032287.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU032287.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU032287.D (-880) (-)





#22

2-Butanone

Concen: 10.418 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.02 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

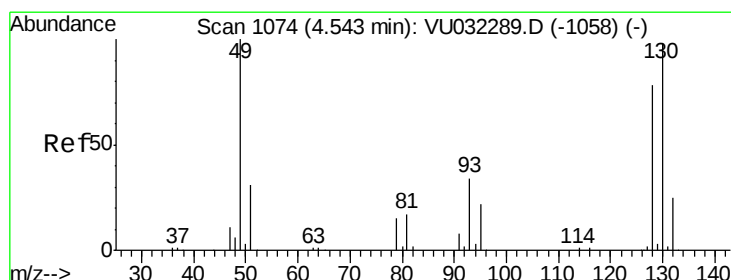
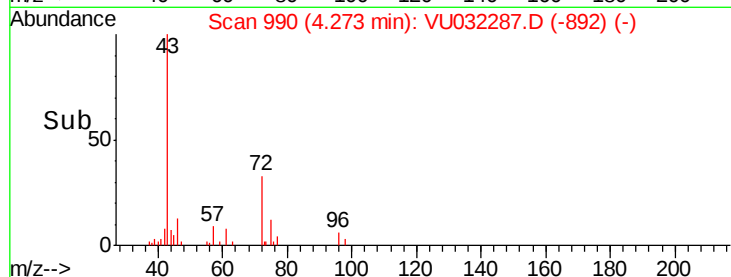
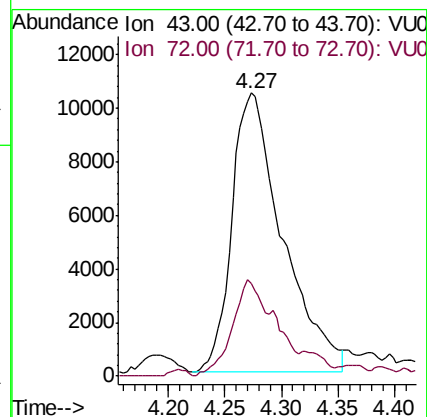
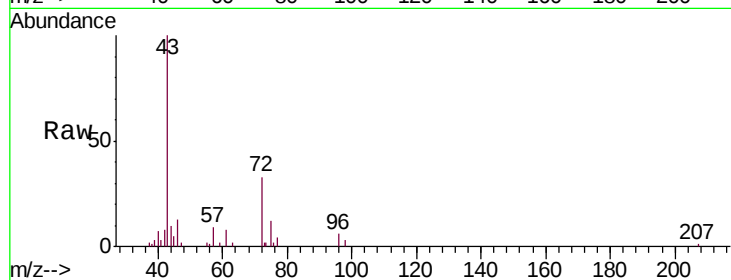
VSTD00552

Tgt Ion: 43 Resp: 32537

Ion Ratio Lower Upper

43 100

72 21.5 16.6 49.7



#23

Bromochloromethane

Concen: 5.560 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Tgt Ion: 128 Resp: 15675

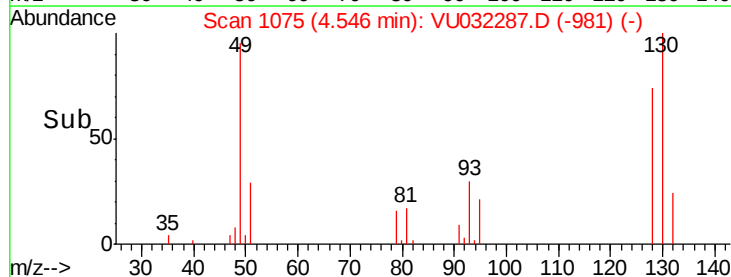
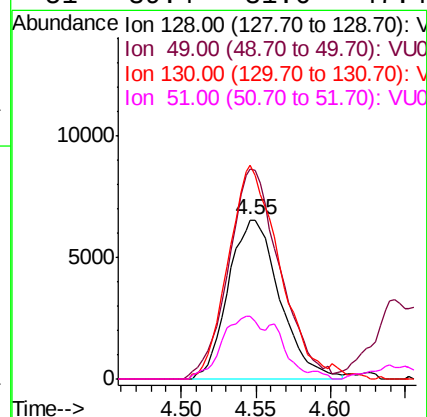
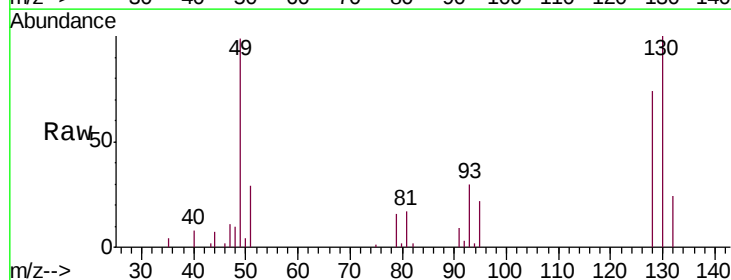
Ion Ratio Lower Upper

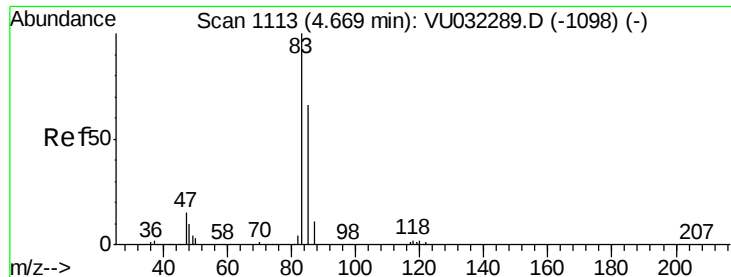
128 100

49 132.3 89.5 166.1

130 134.2 87.4 162.2

51 39.4 31.6 47.4





#25

Chloroform

Concen: 5.563 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

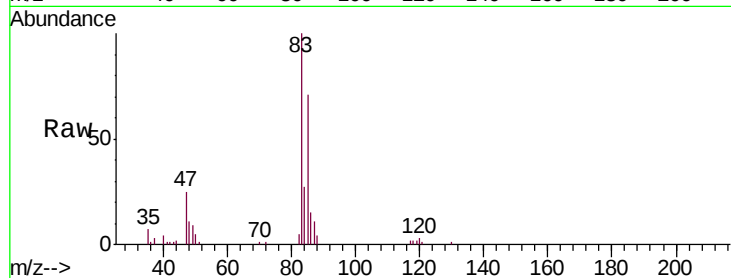
VSTD00552

Tgt Ion: 83 Resp: 48057

Ion Ratio Lower Upper

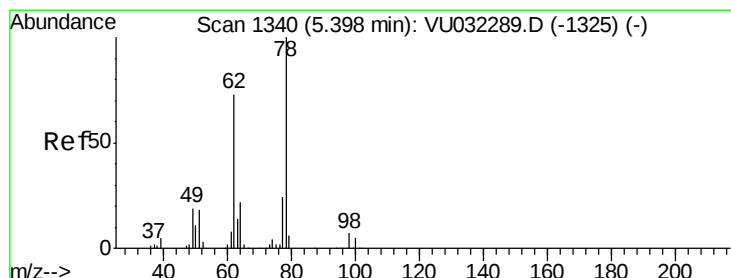
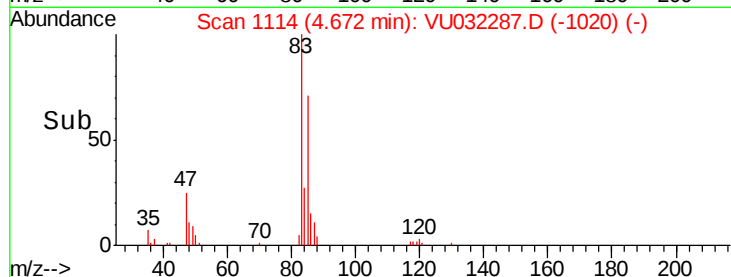
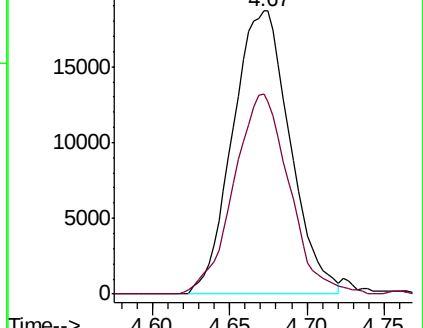
83 100

85 70.7 46.8 87.0



Abundance Ion 83.00 (82.70 to 83.70): VU032289.D (-1098) (-)

Ion 85.00 (84.70 to 85.70): VU032289.D (-1098) (-)



#27

1,2-Dichloroethane

Concen: 5.699 ug/L

RT: 5.40 min Scan# 1342

Delta R.T. 0.01 min

Lab File: VU032287.D

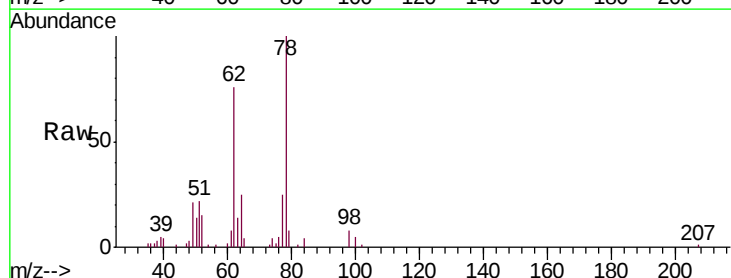
Acq: 24 May 2019 03:57

Tgt Ion: 62 Resp: 36682

Ion Ratio Lower Upper

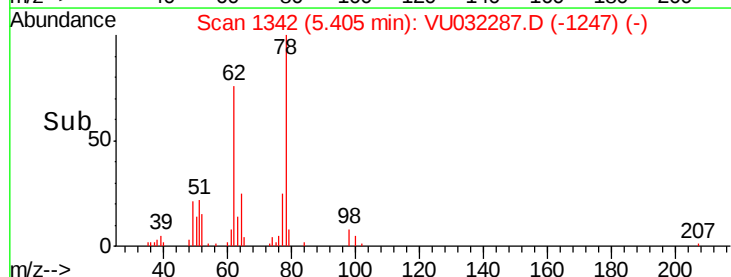
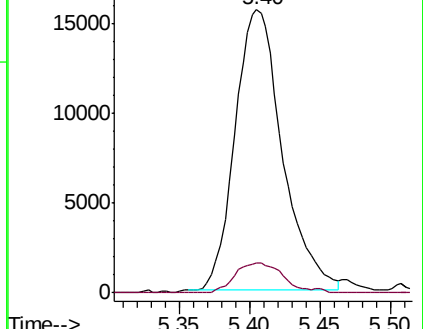
62 100

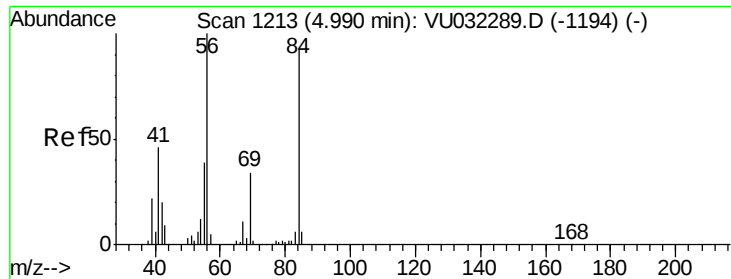
98 10.5 7.9 11.9



Abundance Ion 62.00 (61.70 to 62.70): VU032289.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032289.D (-1325) (-)

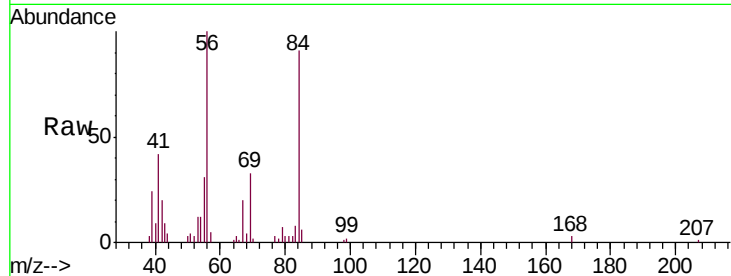




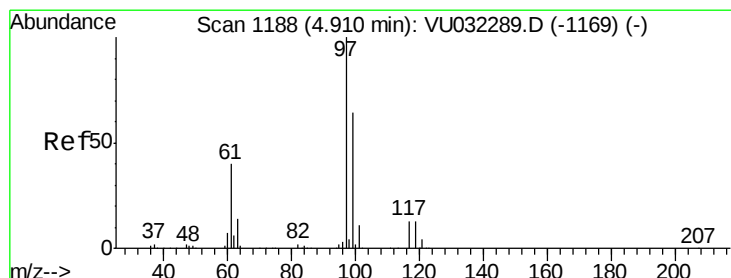
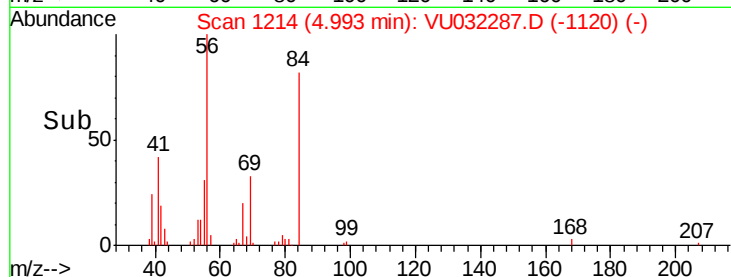
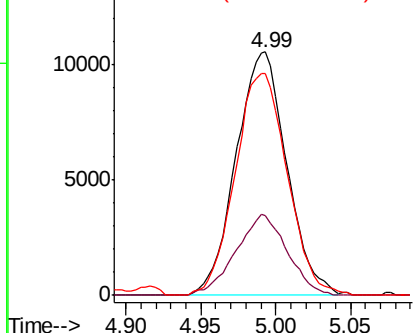
#29
Cyclohexane
Concen: 4.146 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU032287.D
Acq: 24 May 2019 03:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Tgt Ion: 56 Resp: 24854
Ion Ratio Lower Upper
56 100
69 33.6 26.6 40.0
84 93.8 73.8 110.8

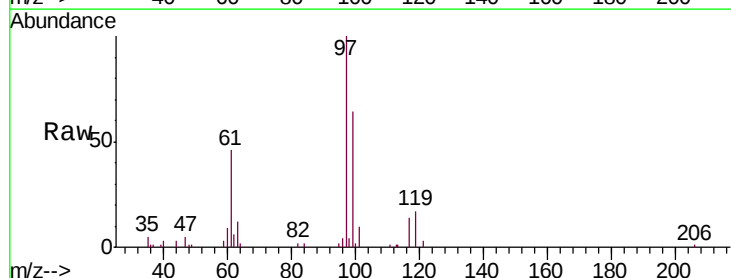


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

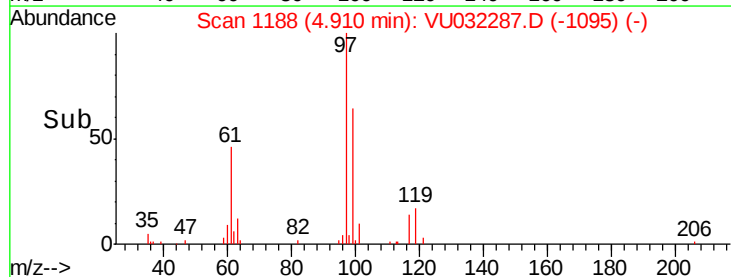
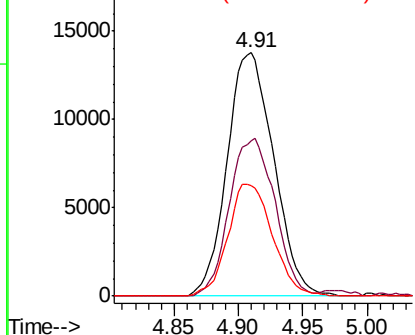


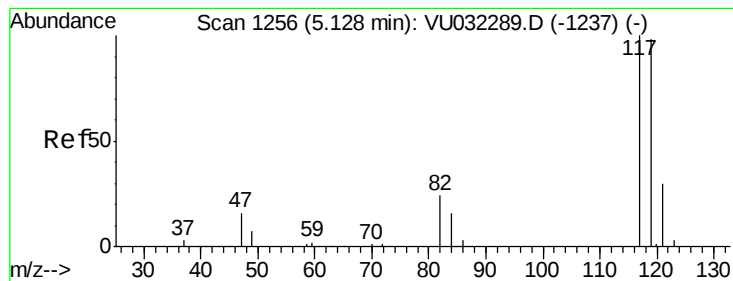
#30
1,1,1-Trichloroethane
Concen: 4.944 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU032287.D
Acq: 24 May 2019 03:57

Tgt Ion: 97 Resp: 34753
Ion Ratio Lower Upper
97 100
99 63.3 51.2 76.8
61 44.0 32.2 48.4



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 0.822 ug/L

RT: 4.92 min Scan# 1190

Delta R.T. -0.21 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

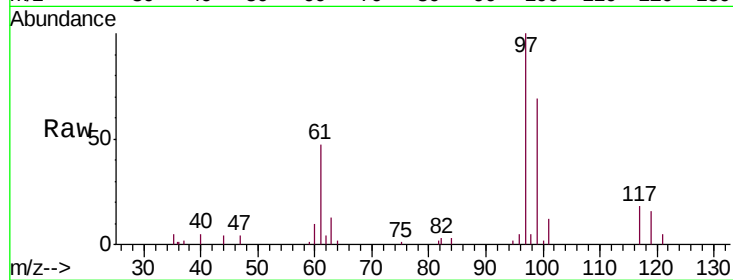
VSTD00552

Tgt Ion:117 Resp: 5016

Ion Ratio Lower Upper

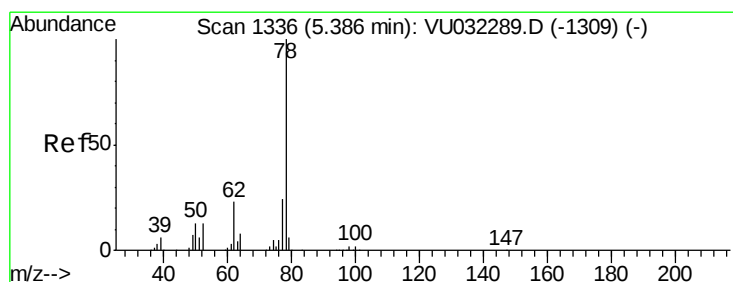
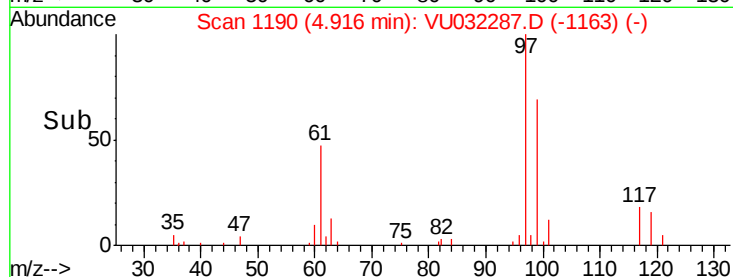
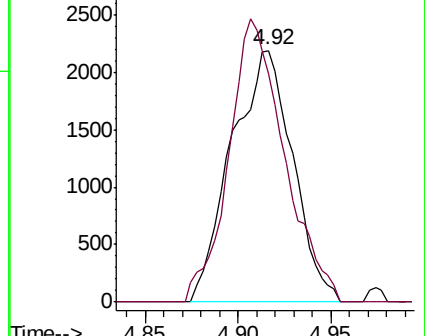
117 100

119 102.0 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.327 ug/L

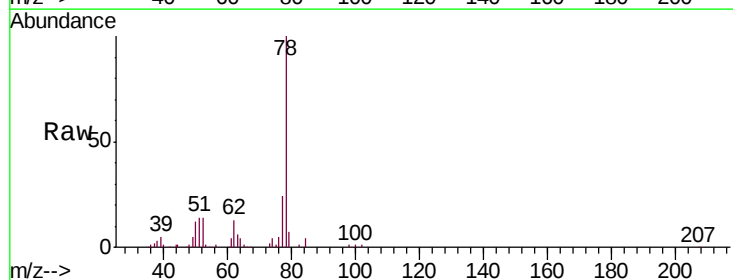
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

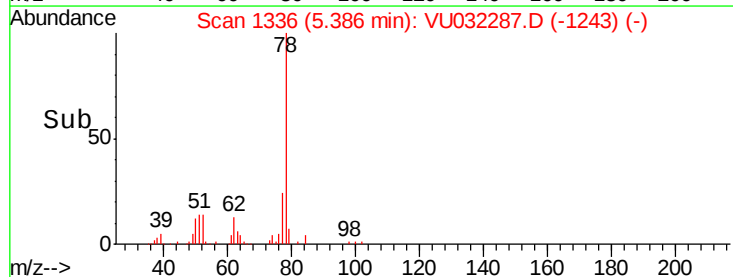
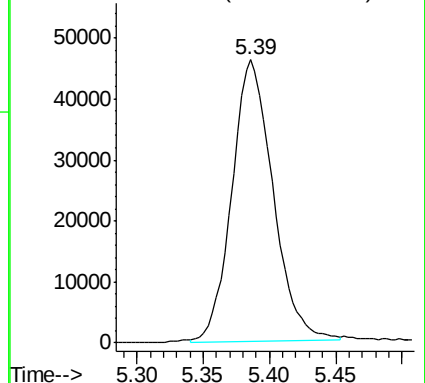
Lab File: VU032287.D

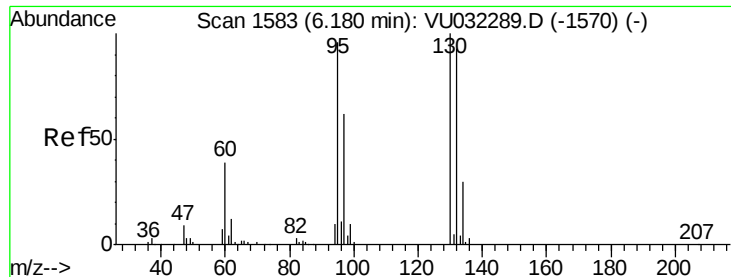
Acq: 24 May 2019 03:57

Tgt Ion: 78 Resp: 99625



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 5.058 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

Tgt Ion: 95 Resp: 25031

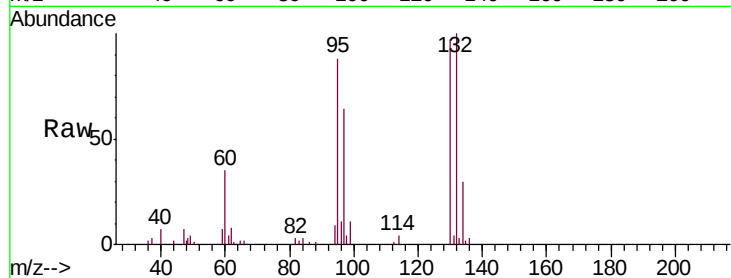
Ion Ratio Lower Upper

95 100

97 71.9 45.3 84.1

132 113.0 68.0 126.2

130 109.9 73.2 136.0

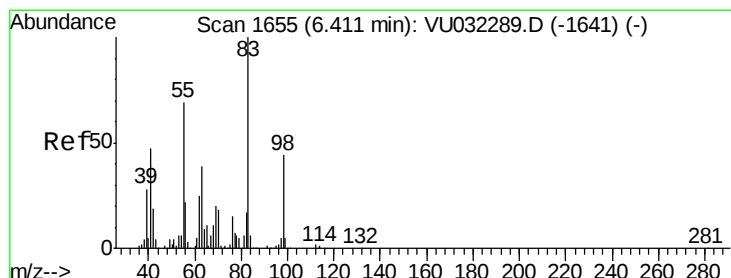
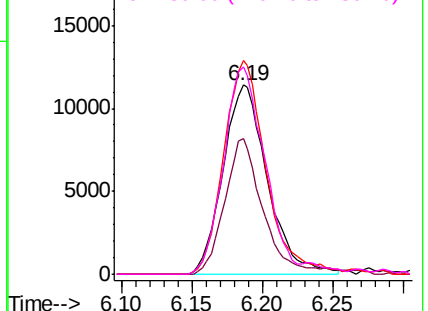
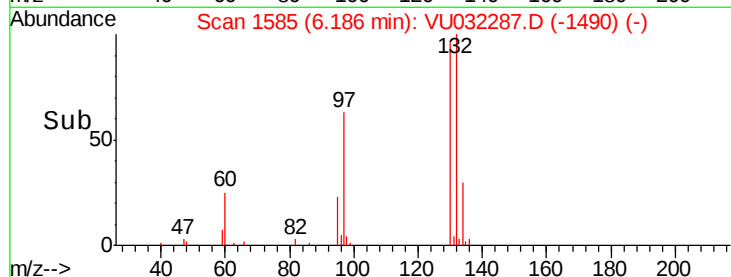


Abundance Ion 95.00 (94.70 to 95.70): VU032287.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU032287.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU032287.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU032287.D (-1570) (-)



#35

Methylcyclohexane

Concen: 3.726 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

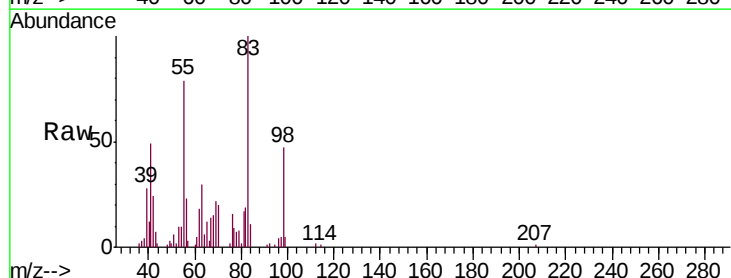
Tgt Ion: 83 Resp: 26825

Ion Ratio Lower Upper

83 100

55 78.7 56.1 84.1

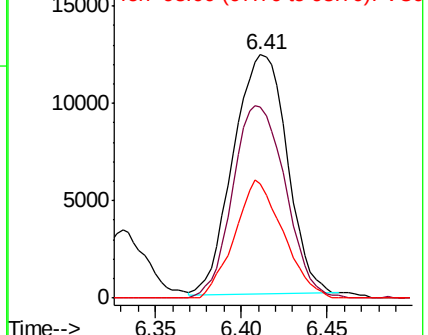
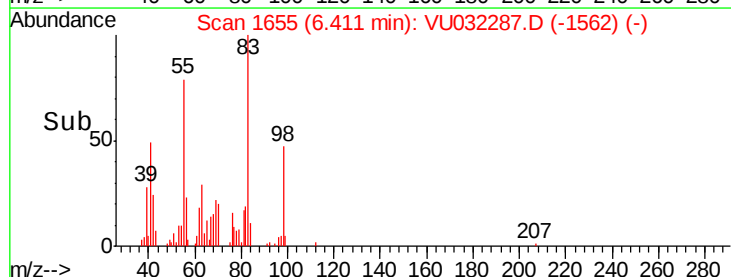
98 44.4 36.8 55.2

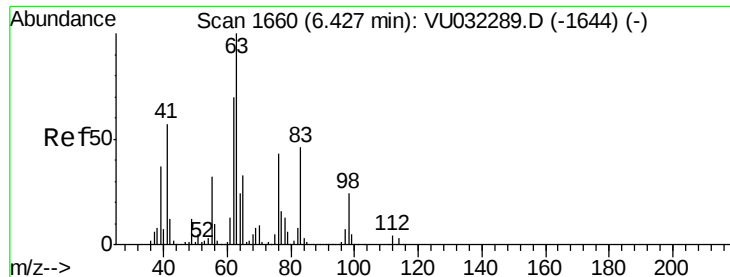


Abundance Ion 83.00 (82.70 to 83.70): VU032287.D (-1562) (-)

Ion 55.00 (54.70 to 55.70): VU032287.D (-1562) (-)

Ion 98.00 (97.70 to 98.70): VU032287.D (-1562) (-)





#37

1,2-Dichloropropane

Concen: 5.343 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampled :

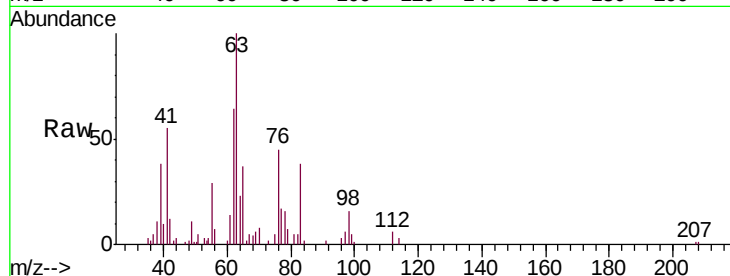
VSTD00552

Tgt Ion: 63 Resp: 24756

Ion Ratio Lower Upper

63 100

112 3.7 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VU032289.D (-1644) (-)

Ion 112.00 (111.70 to 112.70): VU032289.D (-1644) (-)

15000

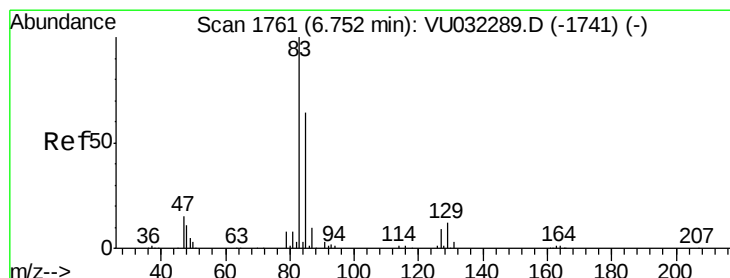
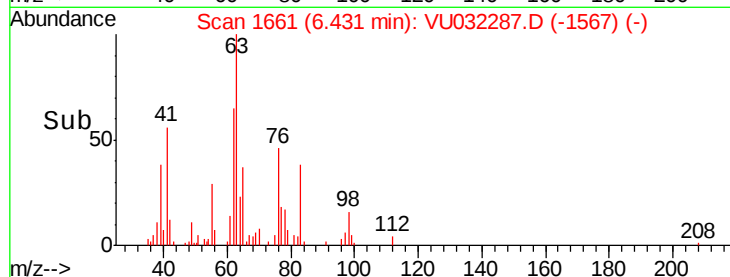
10000

5000

0

6.35 6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 5.671 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

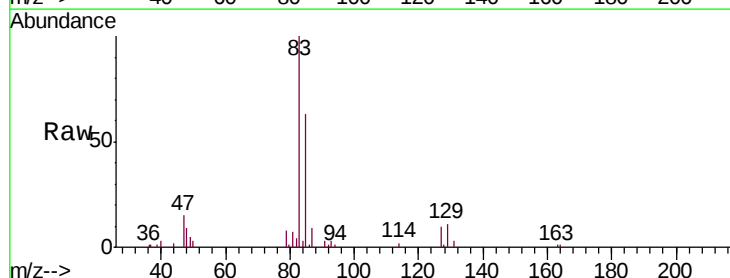
Tgt Ion: 83 Resp: 36134

Ion Ratio Lower Upper

83 100

85 62.5 44.7 82.9

127 10.4 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VU032289.D (-1741) (-)

Ion 85.00 (84.70 to 85.70): VU032289.D (-1741) (-)

Ion 127.00 (126.70 to 127.70): VU032289.D (-1741) (-)

25000

20000

15000

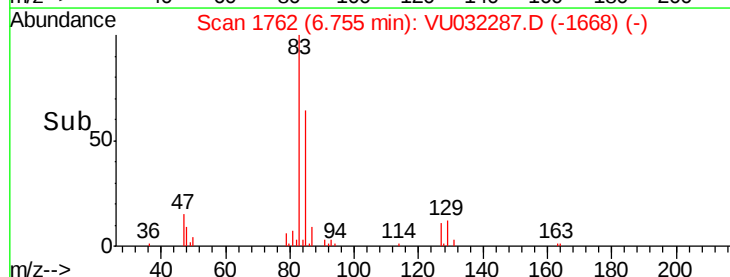
10000

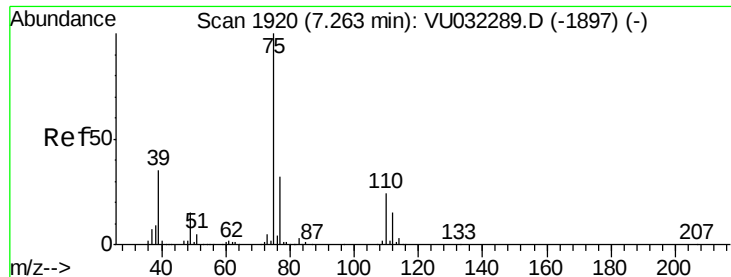
5000

0

6.70 6.75 6.80

Time-->



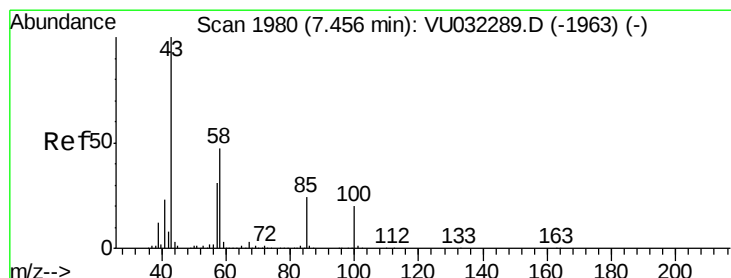
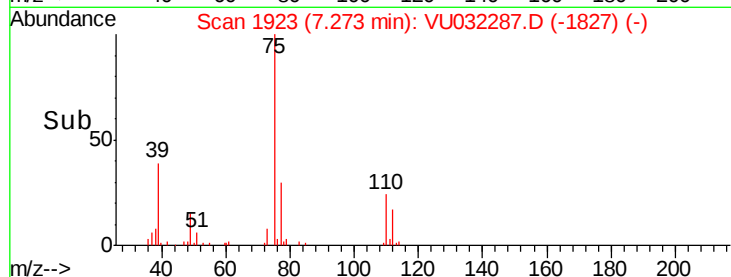
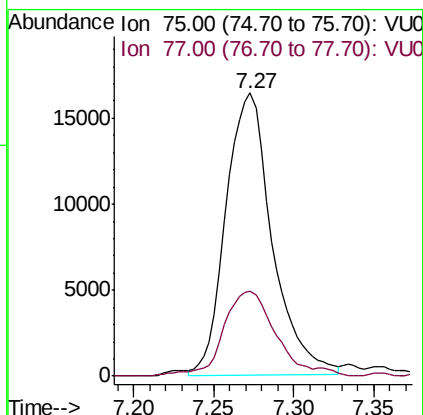
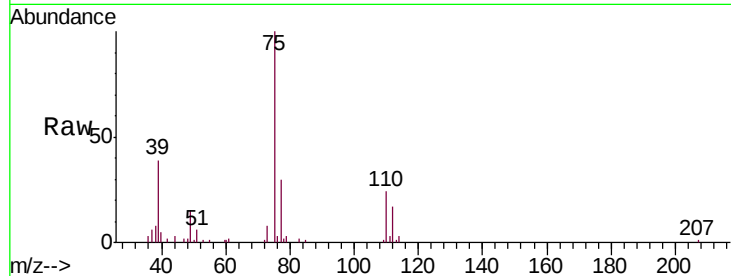


#39

cis-1,3-Dichloropropene
 Concen: 4.542 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VU032287.D
 Acq: 24 May 2019 03:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

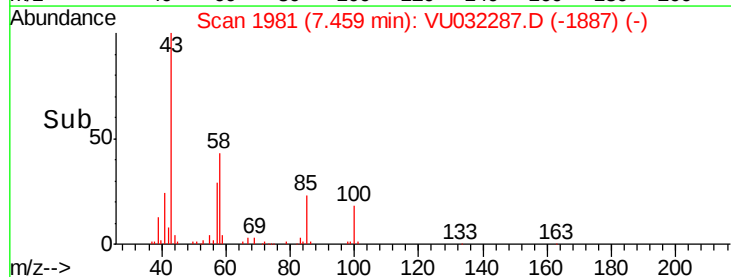
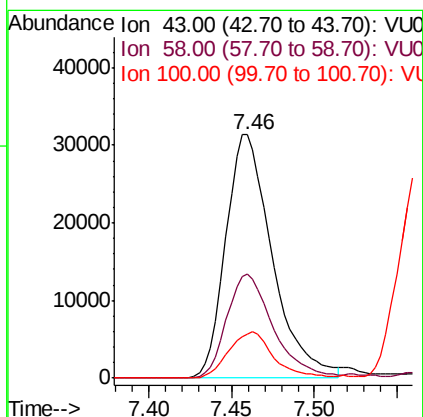
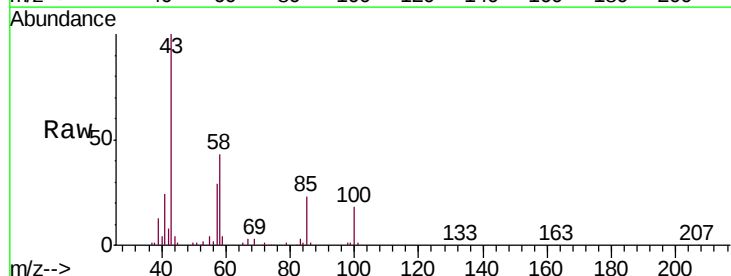
Tgt Ion: 75 Resp: 32536
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.1 41.1

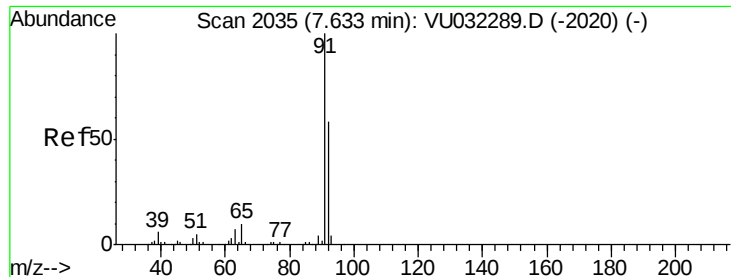


#40

4-Methyl-2-pentanone
 Concen: 11.172 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU032287.D
 Acq: 24 May 2019 03:57

Tgt Ion: 43 Resp: 61329
 Ion Ratio Lower Upper
 43 100
 58 42.5 37.1 55.7
 100 18.2 16.3 24.5





#42

Toluene

Concen: 4.867 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

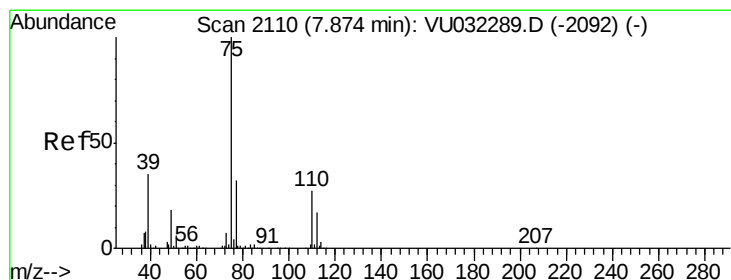
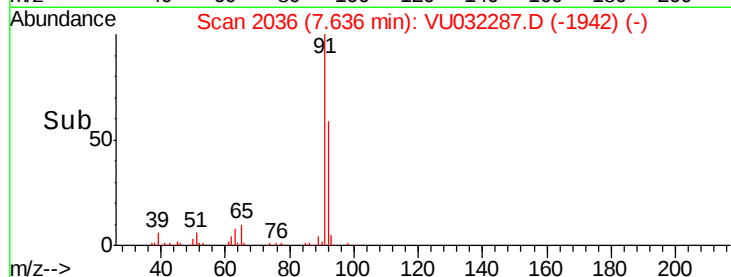
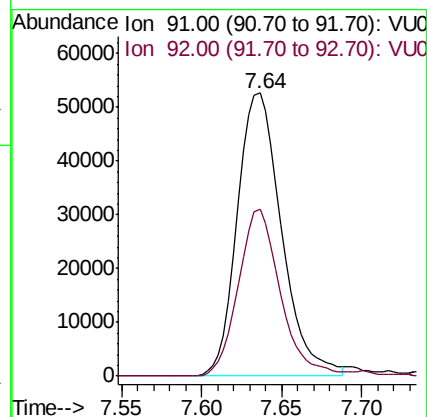
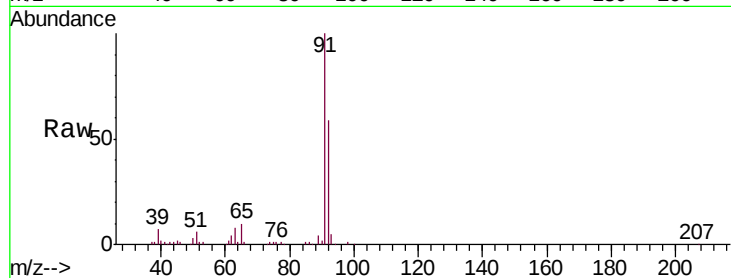
VSTD00552

Tgt Ion: 91 Resp: 99595

Ion Ratio Lower Upper

91 100

92 58.9 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 4.385 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU032287.D

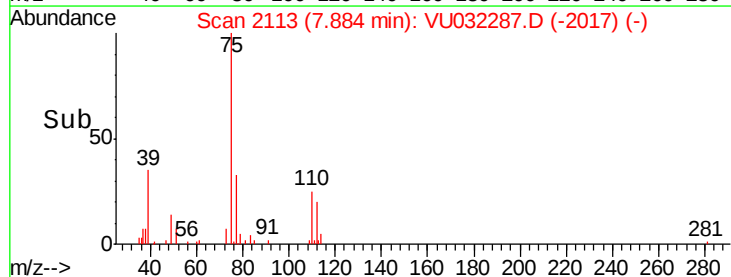
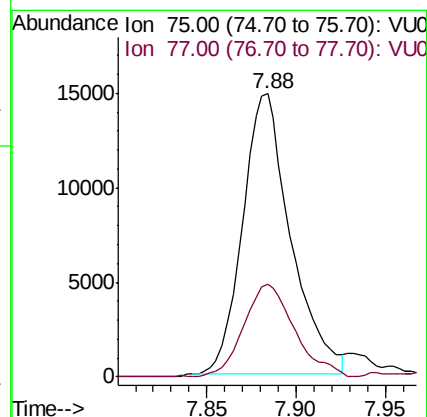
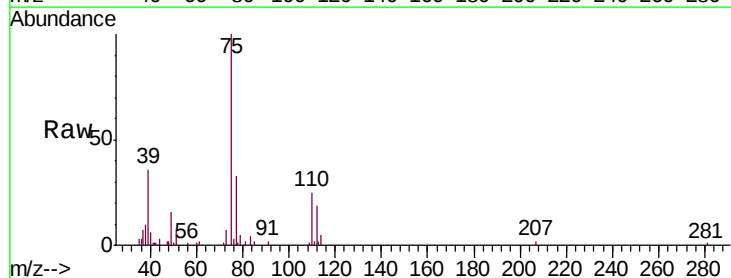
Acq: 24 May 2019 03:57

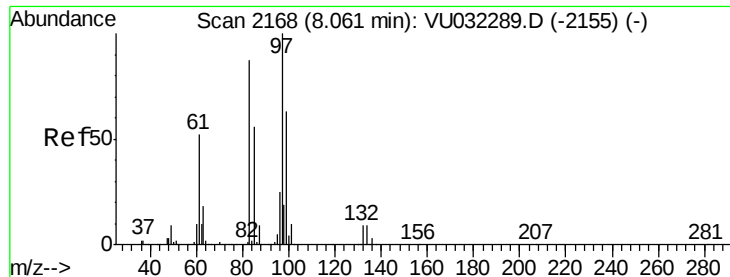
Tgt Ion: 75 Resp: 28007

Ion Ratio Lower Upper

75 100

77 32.8 22.4 41.6

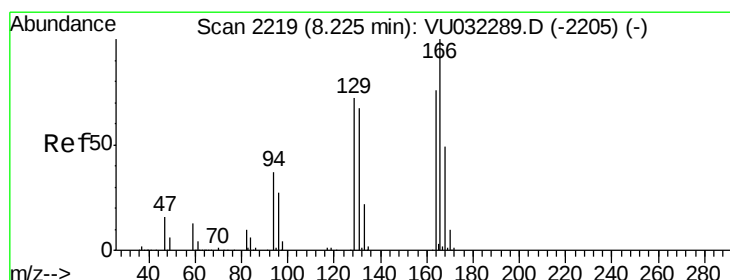
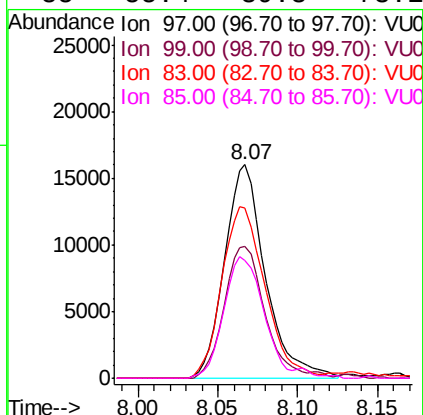
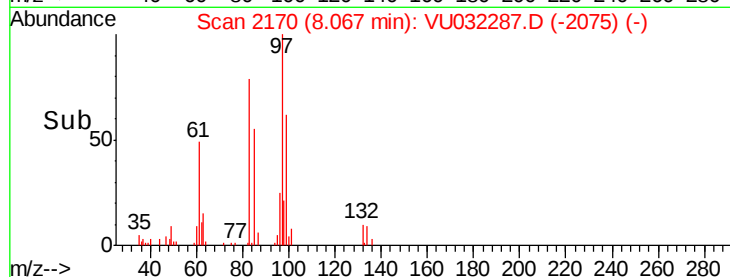
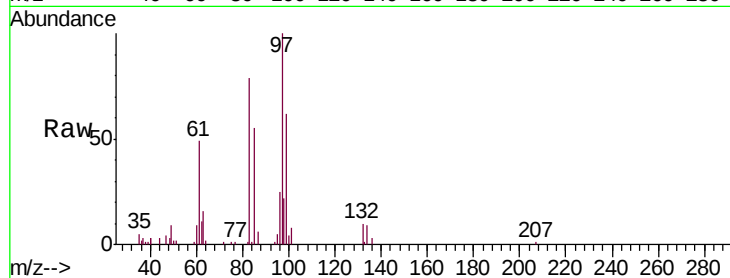




#45
 1,1,2-Trichloroethane
 Concen: 5.537 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.01 min
 Lab File: VU032287.D
 Acq: 24 May 2019 03:57

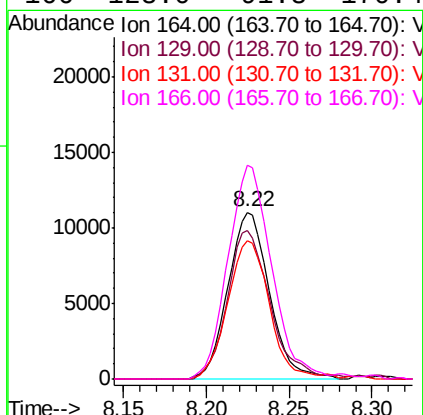
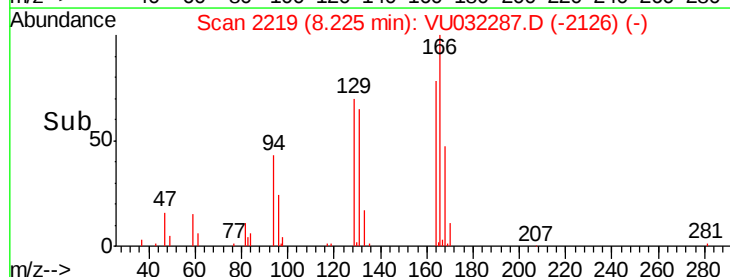
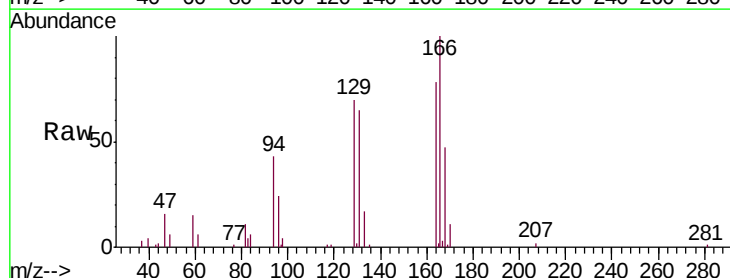
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

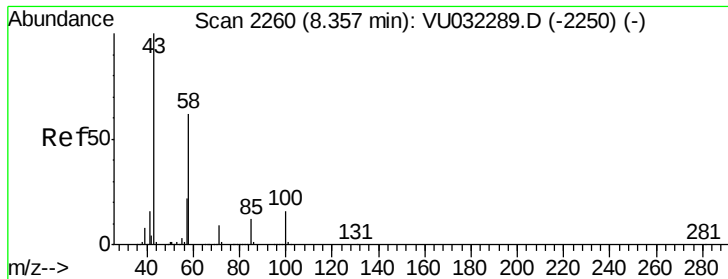
Tgt Ion:	97	Resp:	27875
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.9	81.5
83	79.5	61.2	113.6
85	55.4	39.3	73.1



#46
 Tetrachloroethene
 Concen: 4.801 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU032287.D
 Acq: 24 May 2019 03:57

Tgt Ion:	164	Resp:	19164
Ion	Ratio	Lower	Upper
164	100		
129	89.3	66.2	123.0
131	83.1	61.9	114.9
166	128.0	91.8	170.4

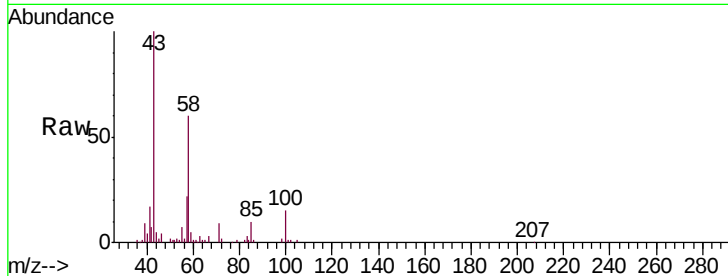




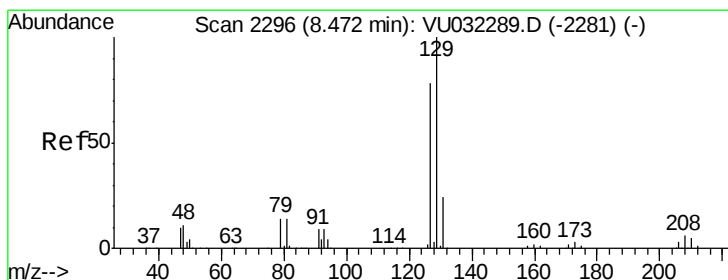
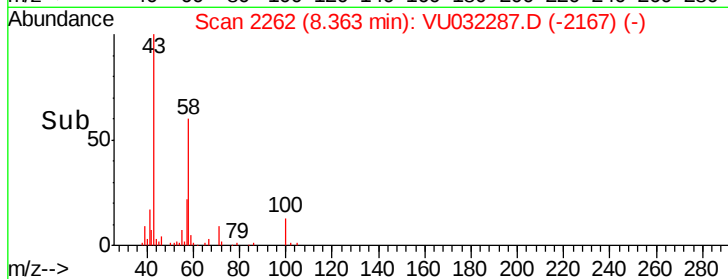
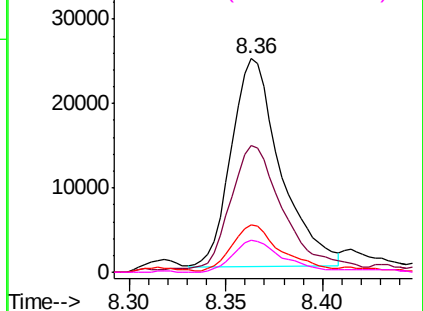
#48
2-Hexanone
Concen: 9.347 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU032287.D
Acq: 24 May 2019 03:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Tgt Ion:	43	Resp:	43645
Ion	Ratio	Lower	Upper
43	100		
58	65.3	51.4	77.0
57	23.2	17.8	26.8
100	15.2	12.8	19.2

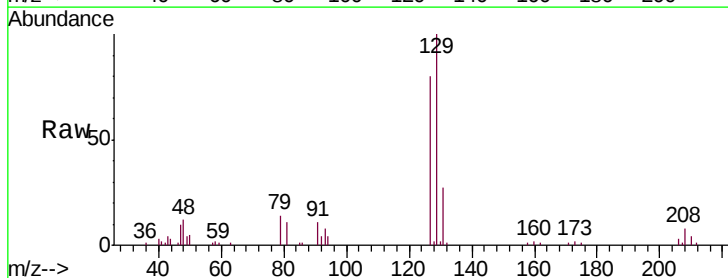


Abundance Ion 43.00 (42.70 to 43.70): VU032289.D (-2250) (-)
Ion 58.00 (57.70 to 58.70): VU032289.D (-2250) (-)
Ion 57.00 (56.70 to 57.70): VU032289.D (-2250) (-)
Ion 100.00 (99.70 to 100.70): VU032289.D (-2250) (-)

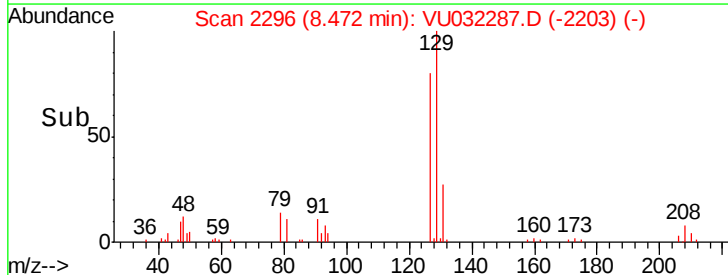
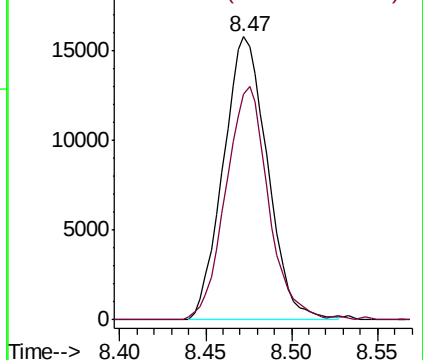


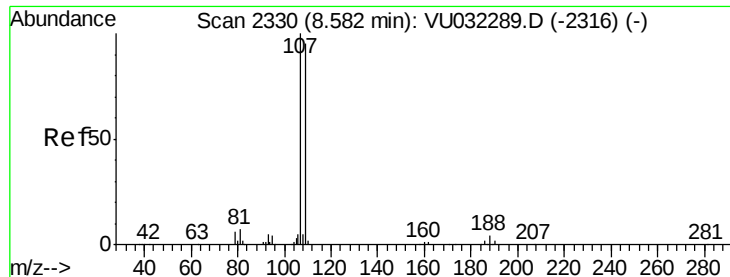
#49
Dibromochloromethane
Concen: 5.277 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032287.D
Acq: 24 May 2019 03:57

Tgt Ion:	129	Resp:	28319
Ion	Ratio	Lower	Upper
129	100		
127	79.8	54.5	101.3



Abundance Ion 129.00 (128.70 to 129.70): VU032289.D (-2281) (-)
Ion 127.00 (126.70 to 127.70): VU032289.D (-2281) (-)

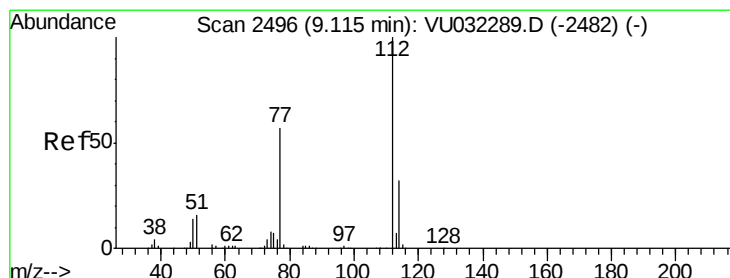
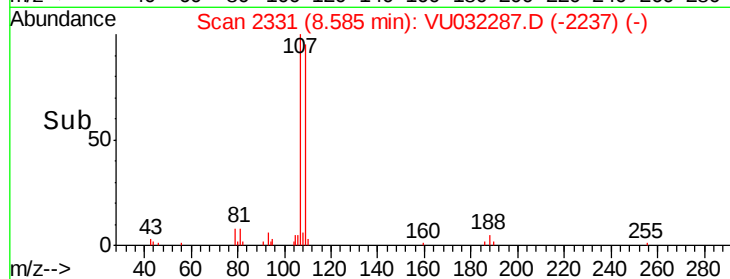
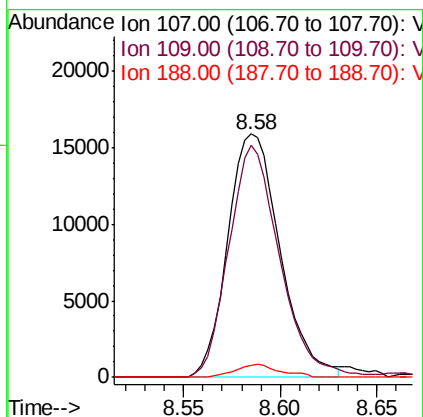
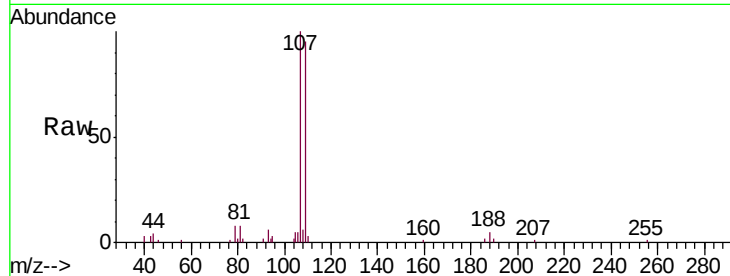




#50
1,2-Dibromoethane
Concen: 5.632 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU032287.D
Acq: 24 May 2019 03:57

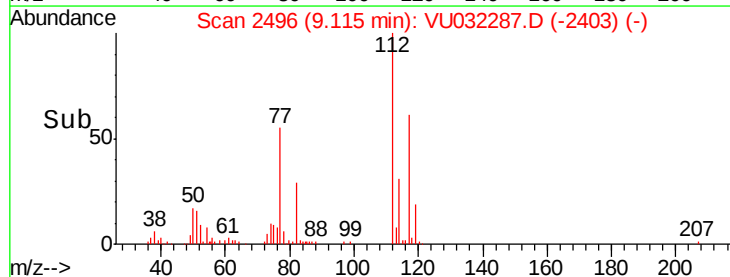
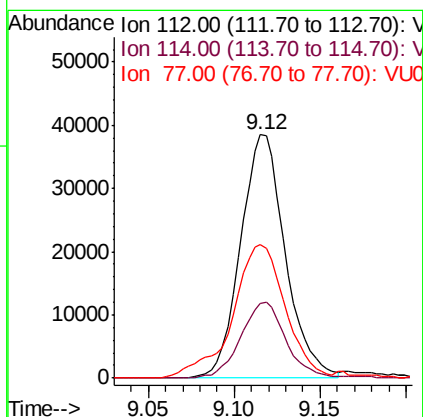
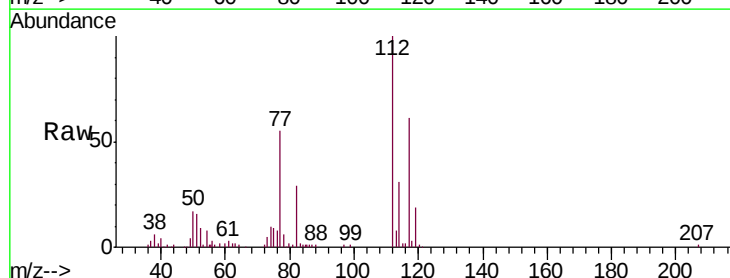
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

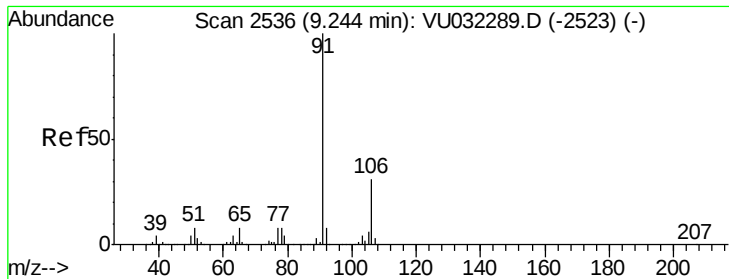
Tgt Ion:107 Resp: 29937
Ion Ratio Lower Upper
107 100
109 95.3 66.6 123.8
188 5.1 3.2 4.8#



#51
Chlorobenzene
Concen: 5.033 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032287.D
Acq: 24 May 2019 03:57

Tgt Ion:112 Resp: 69557
Ion Ratio Lower Upper
112 100
114 30.7 22.5 41.7
77 54.8 45.8 68.6





#52

Ethylbenzene

Concen: 4.584 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

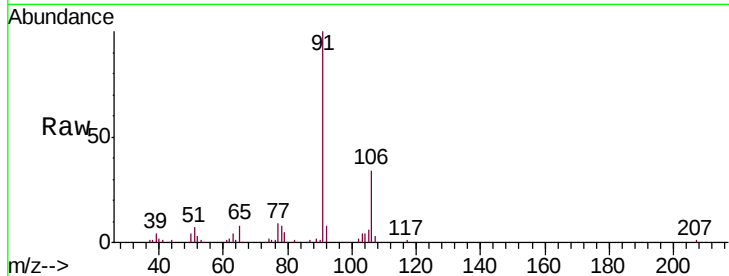
VSTD00552

Tgt Ion: 91 Resp: 100057

Ion Ratio Lower Upper

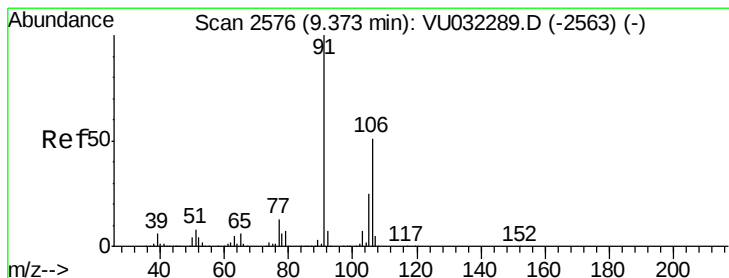
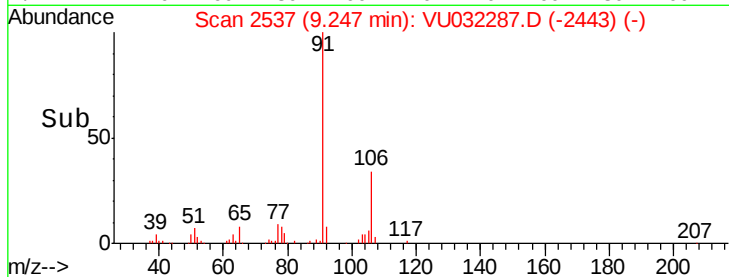
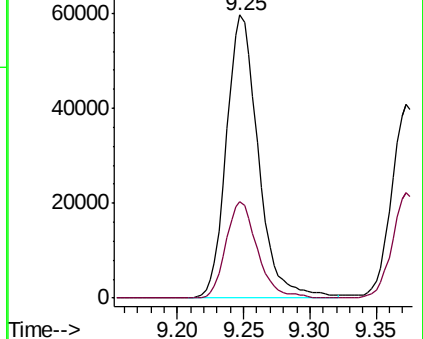
91 100

106 34.1 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032289.D (-2523) (-)

Ion 106.00 (105.70 to 106.70): VU032289.D (-2523) (-)



#53

m,p-Xylene

Concen: 4.316 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032287.D

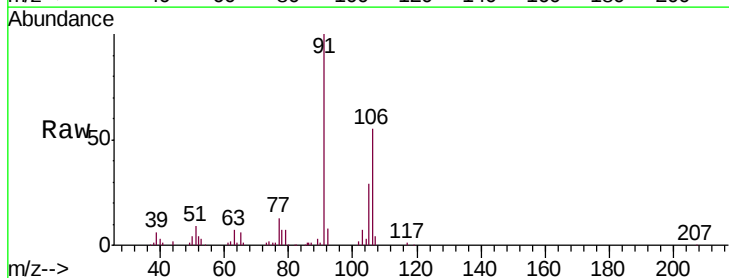
Acq: 24 May 2019 03:57

Tgt Ion: 106 Resp: 36951

Ion Ratio Lower Upper

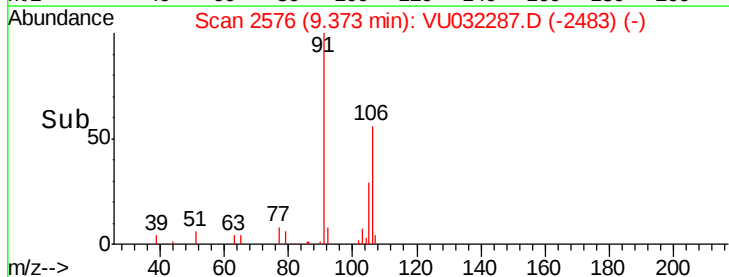
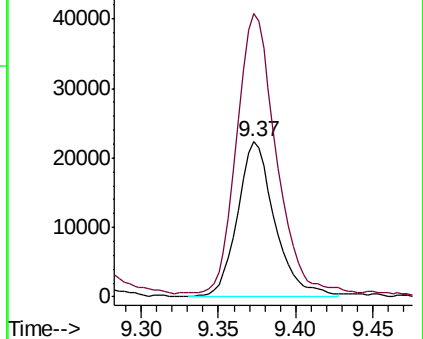
106 100

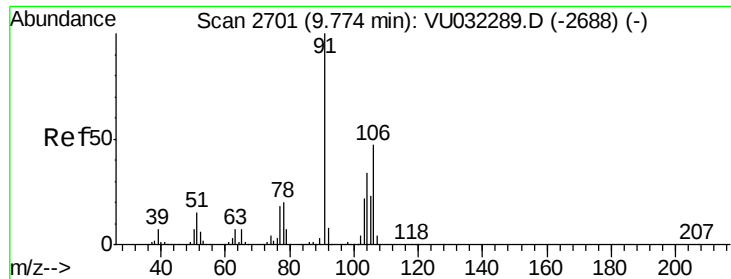
91 182.4 136.5 253.5



Abundance Ion 106.00 (105.70 to 106.70): VU032289.D (-2563) (-)

Ion 91.00 (90.70 to 91.70): VU032289.D (-2563) (-)





#54

o-xylene

Concen: 4.473 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

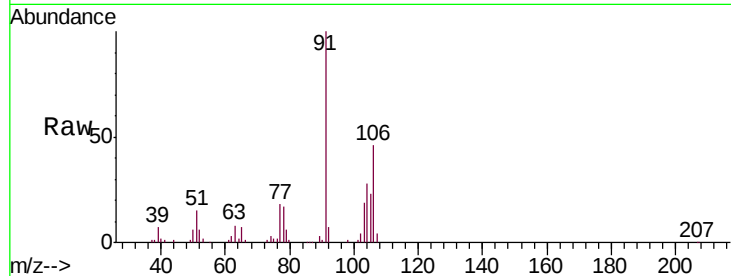
VSTD00552

Tgt Ion:106 Resp: 38035

Ion Ratio Lower Upper

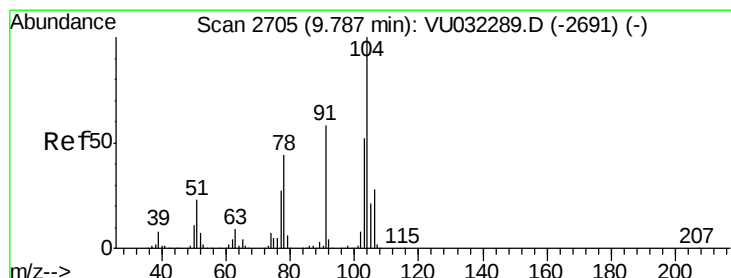
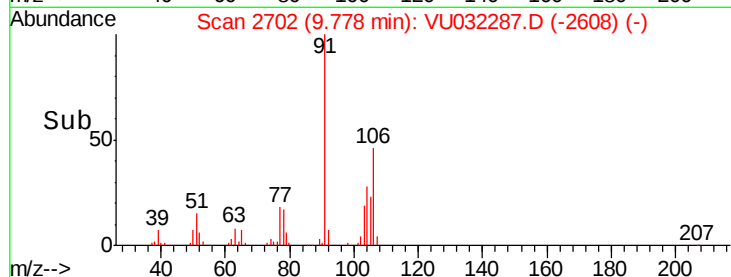
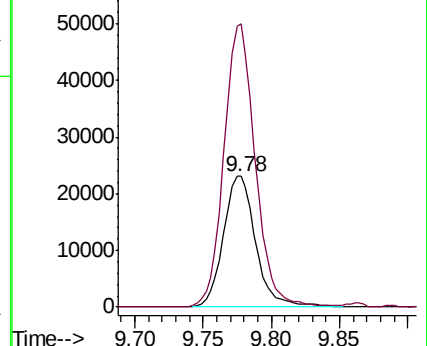
106 100

91 216.6 150.3 279.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 4.156 ug/L

RT: 9.79 min Scan# 2707

Delta R.T. 0.01 min

Lab File: VU032287.D

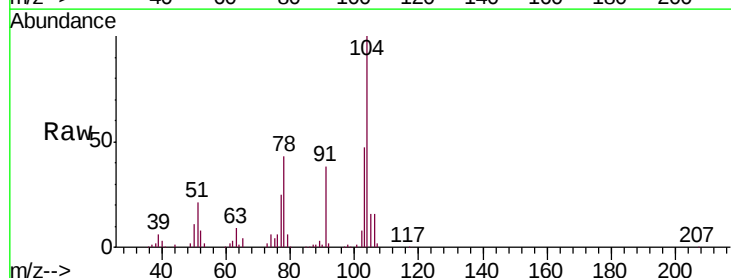
Acq: 24 May 2019 03:57

Tgt Ion:104 Resp: 60845

Ion Ratio Lower Upper

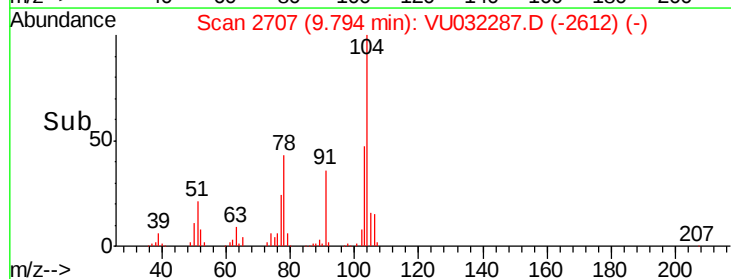
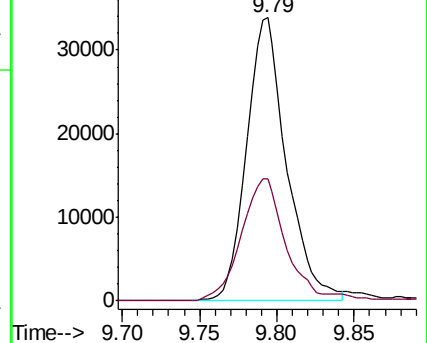
104 100

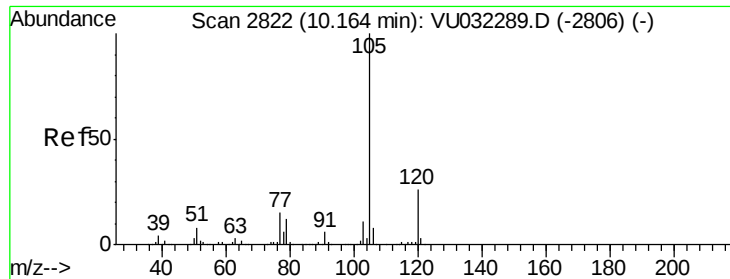
78 43.1 31.1 57.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 3.987 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

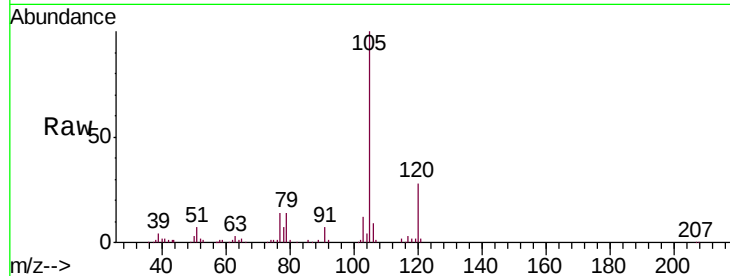
Tgt Ion:105 Resp: 86187

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.4

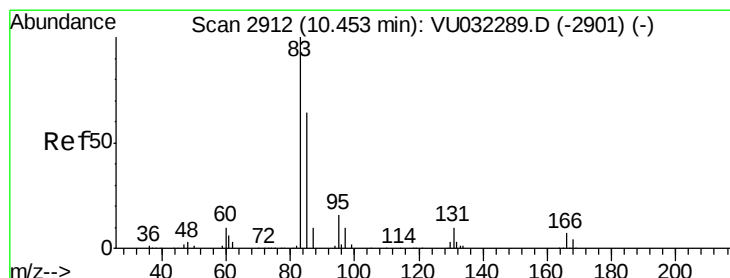
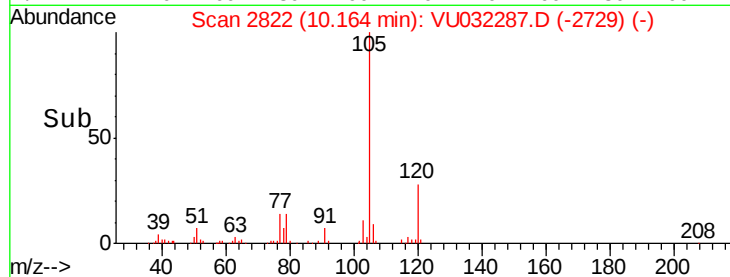
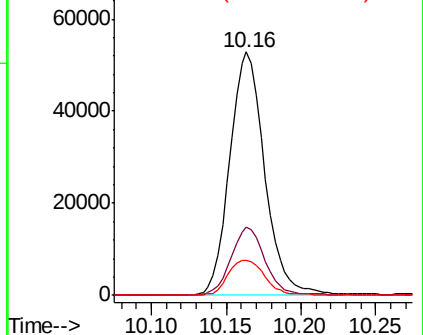
77 15.4 11.8 17.6



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: 5.530 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

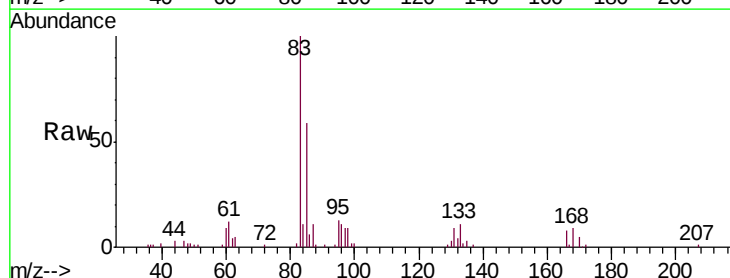
Tgt Ion: 83 Resp: 46851

Ion Ratio Lower Upper

83 100

85 59.1 45.4 84.2

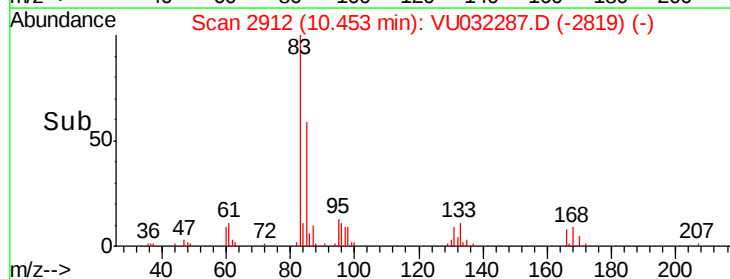
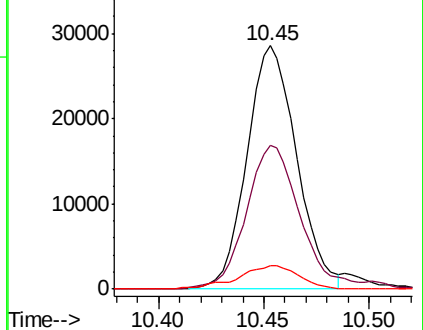
131 9.4 8.4 12.6

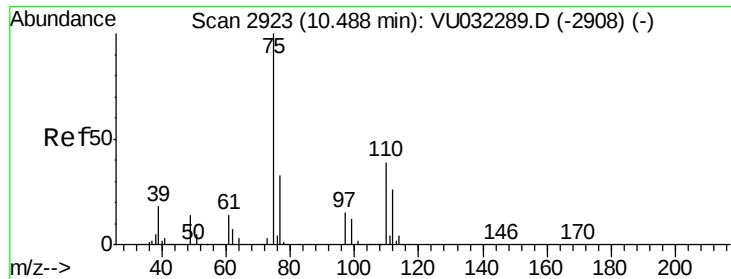


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.580 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

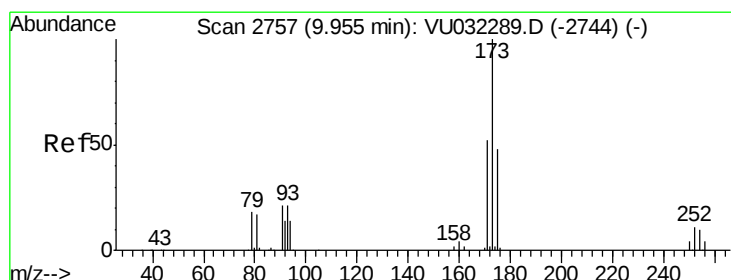
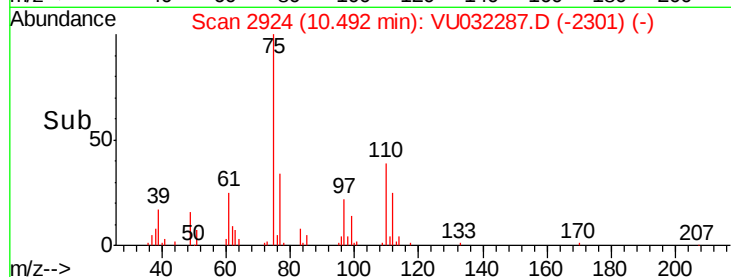
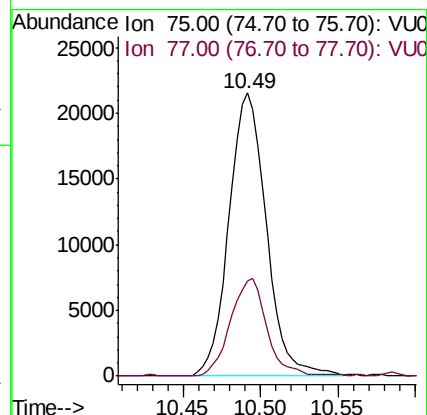
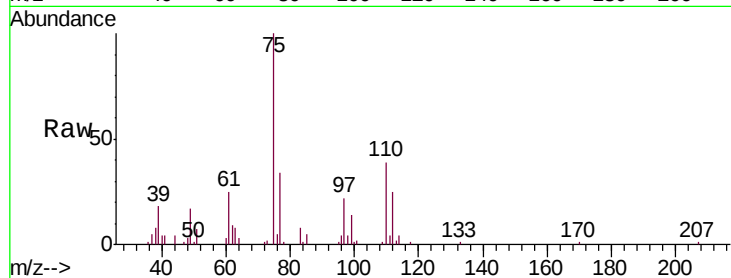
VSTD00552

Tgt Ion: 75 Resp: 36202

Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5



#61

Bromoform

Concen: 6.241 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

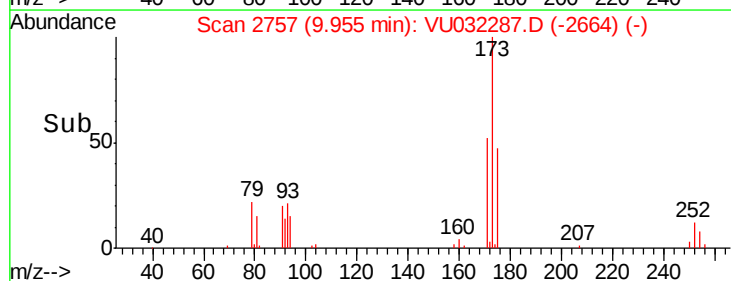
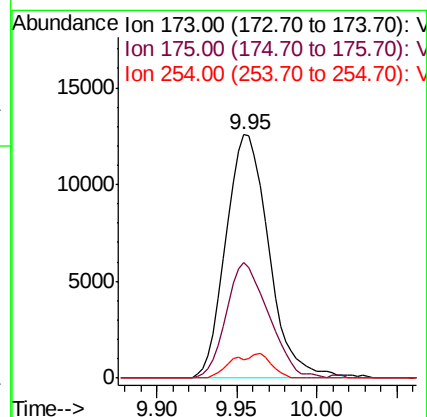
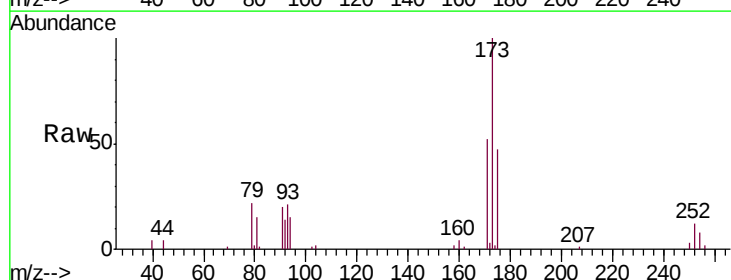
Tgt Ion: 173 Resp: 23155

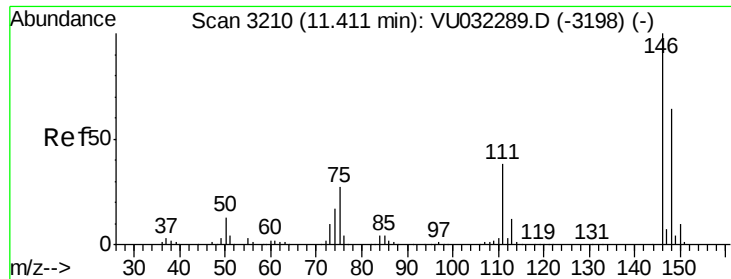
Ion Ratio Lower Upper

173 100

175 46.2 38.6 57.8

254 3.9 7.8 11.8#

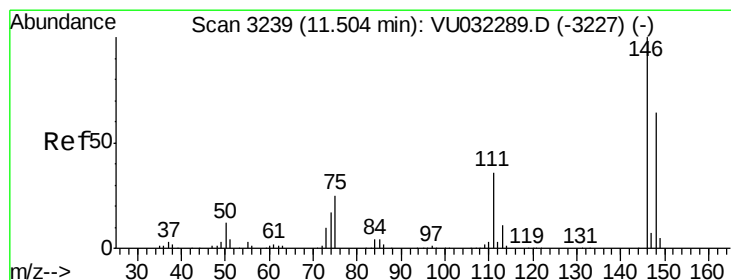
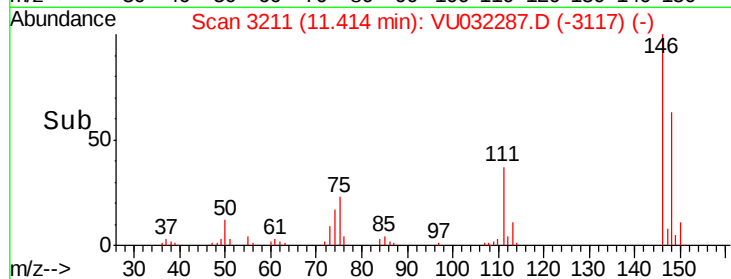
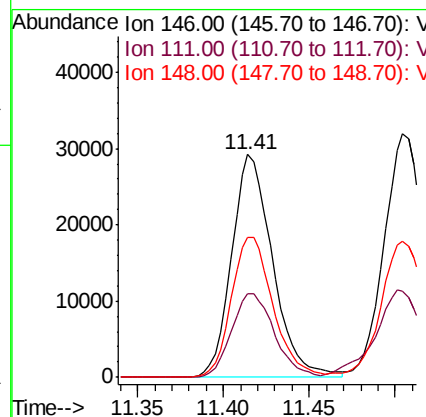
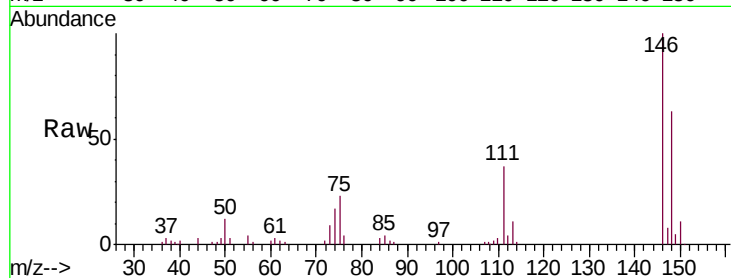




#62
 1,3-Dichlorobenzene
 Concen: 5.228 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU032287.D
 Acq: 24 May 2019 03:57

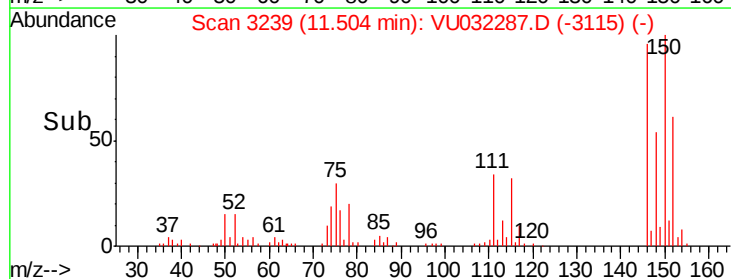
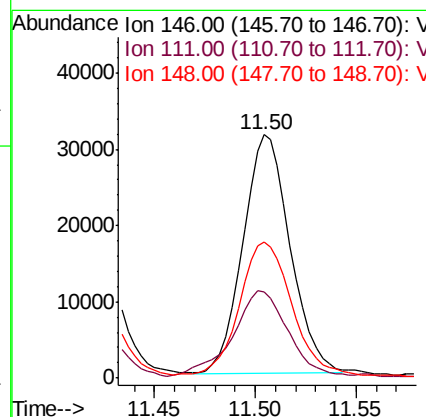
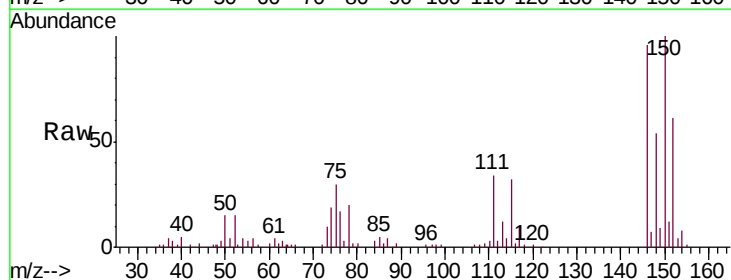
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

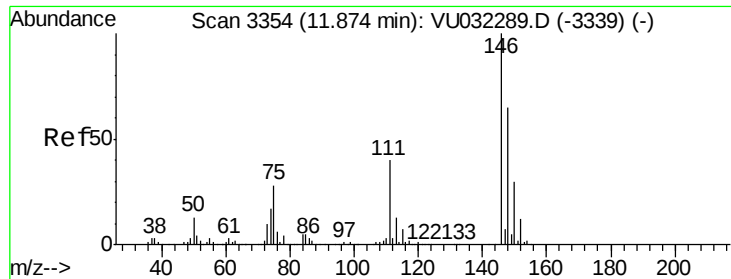
Tgt Ion:146 Resp: 48370
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.4 49.0
 148 63.0 45.1 83.7



#63
 1,4-Dichlorobenzene
 Concen: 5.268 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU032287.D
 Acq: 24 May 2019 03:57

Tgt Ion:146 Resp: 51383
 Ion Ratio Lower Upper
 146 100
 111 35.6 25.3 47.1
 148 56.1 44.7 83.1

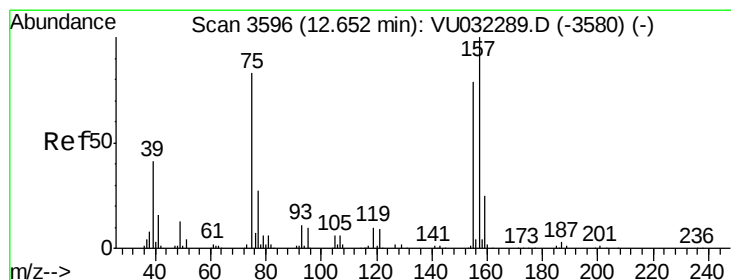
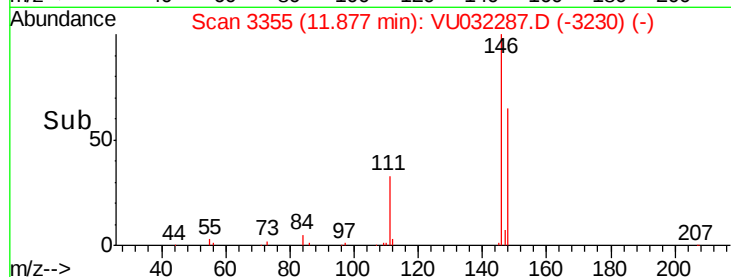
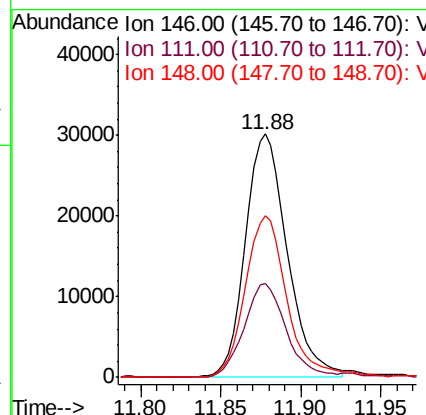
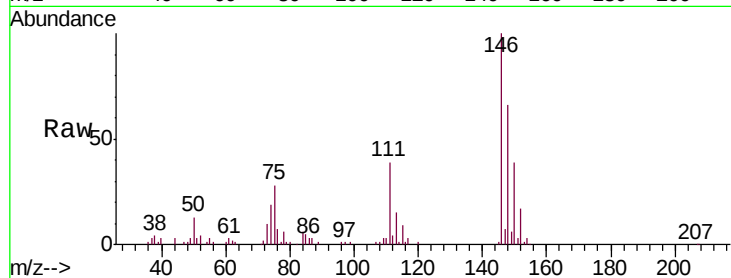




#65
 1,2-Dichlorobenzene
 Concen: 5.519 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU032287.D
 Acq: 24 May 2019 03:57

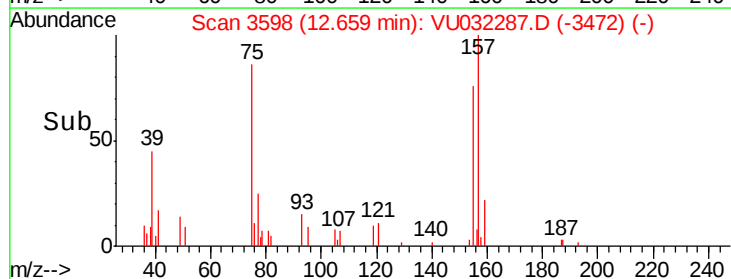
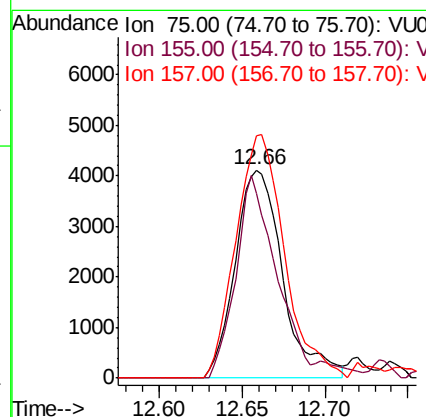
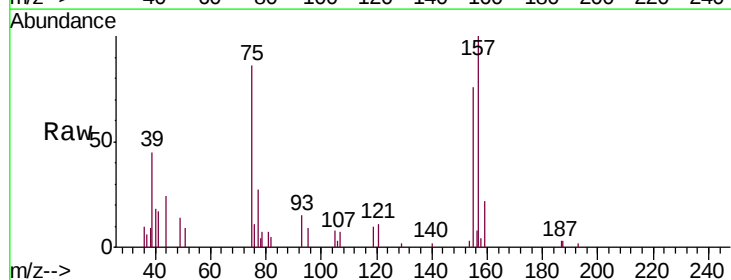
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

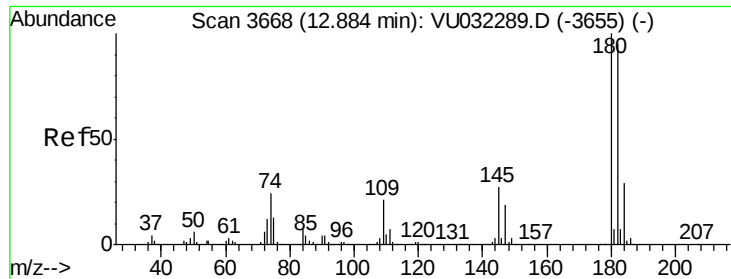
Tgt Ion:146 Resp: 53905
 Ion Ratio Lower Upper
 146 100
 111 38.8 31.7 47.5
 148 66.3 52.2 78.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.270 ug/L
 RT: 12.66 min Scan# 3598
 Delta R.T. 0.01 min
 Lab File: VU032287.D
 Acq: 24 May 2019 03:57

Tgt Ion: 75 Resp: 8233
 Ion Ratio Lower Upper
 75 100
 155 88.8 75.8 113.8
 157 116.7 96.4 144.6

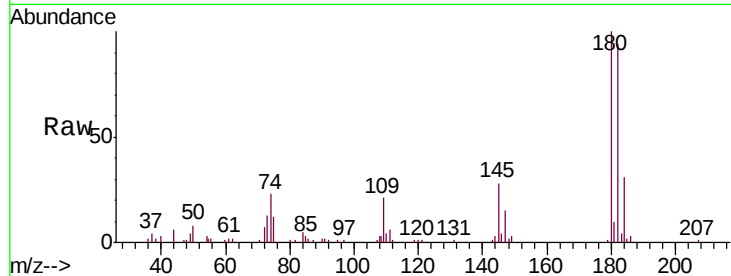




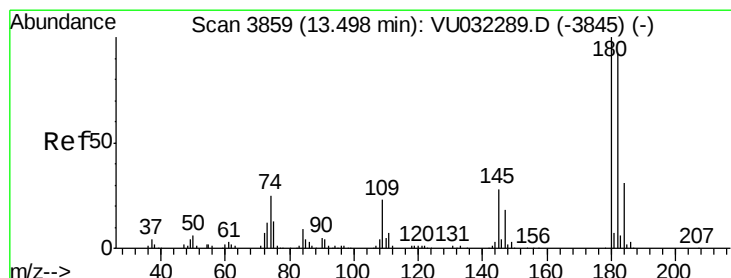
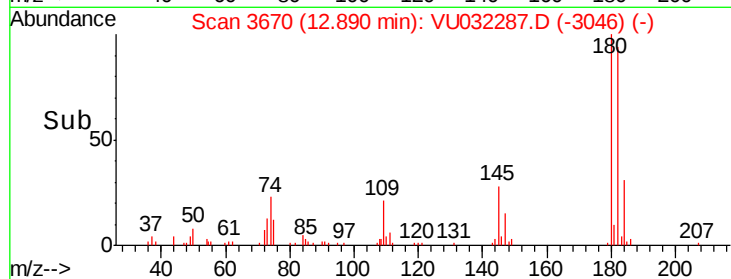
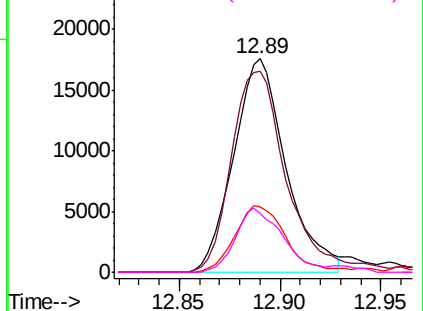
#67
 1,3,5-Trichlorobenzene
 Concen: 4.542 ug/L
 RT: 12.89 min Scan# 3670
 Delta R.T. 0.01 min
 Lab File: VU032287.D
 Acq: 24 May 2019 03:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

Tgt Ion:	180	Resp:	31943
Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.5	113.3
184	29.8	24.2	36.4
145	27.1	22.0	33.0

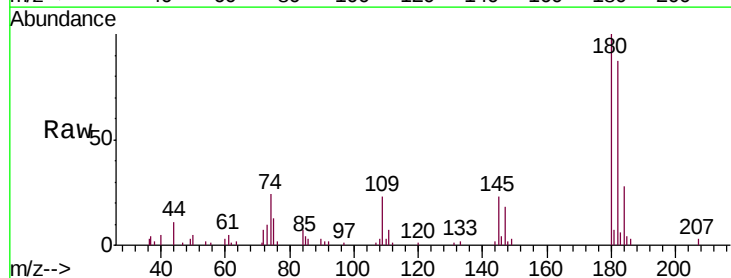


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

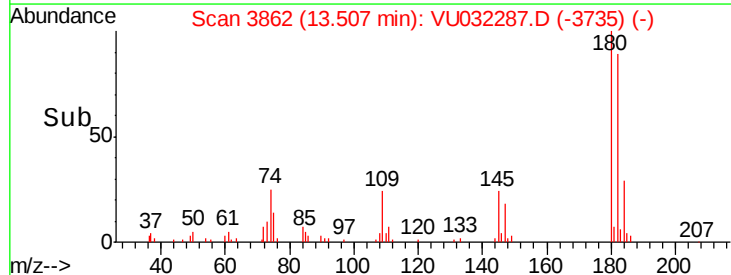
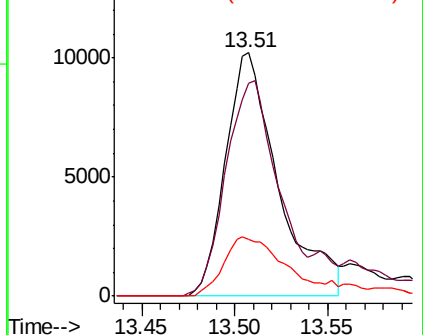


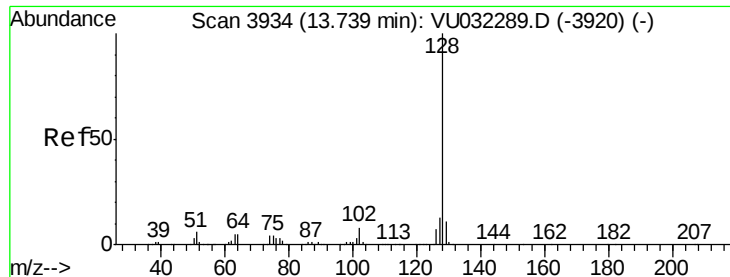
#68
 1,2,4-trichlorobenzene
 Concen: 3.696 ug/L
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU032287.D
 Acq: 24 May 2019 03:57

Tgt Ion:	180	Resp:	20308
Ion	Ratio	Lower	Upper
180	100		
182	85.9	75.3	112.9
145	27.7	23.0	34.6



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: 2.944 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

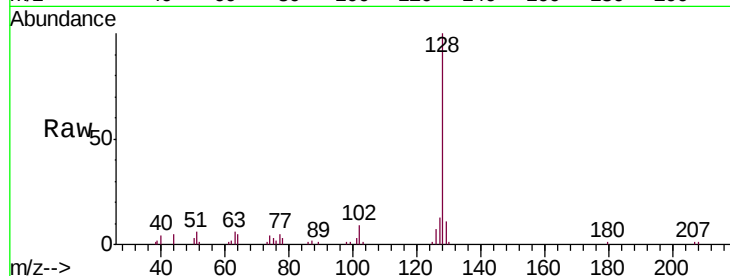
Tgt Ion:128 Resp: 49985

Ion Ratio Lower Upper

128 100

127 11.0 10.2 15.2

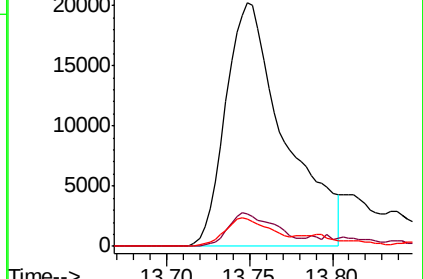
129 9.0 8.3 12.5



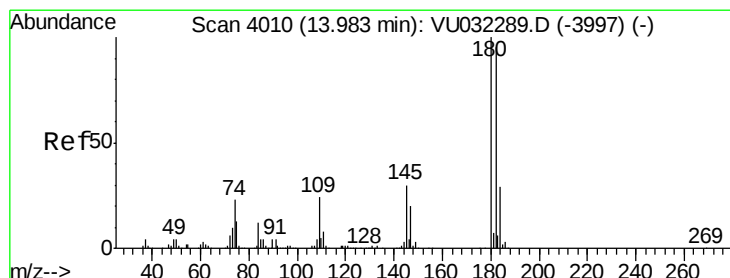
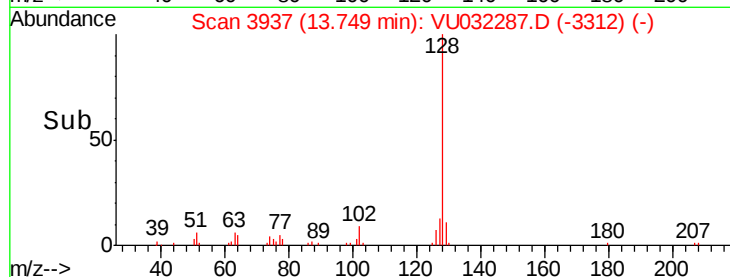
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 4.250 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU032287.D

Acq: 24 May 2019 03:57

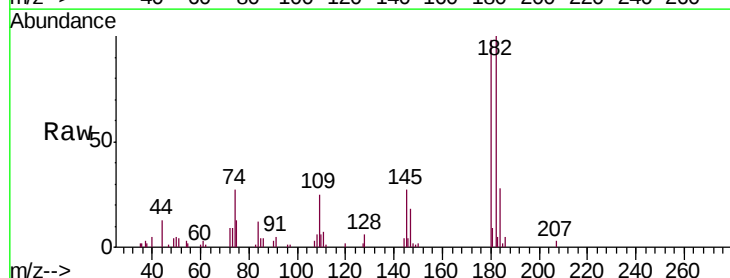
Tgt Ion:180 Resp: 26334

Ion Ratio Lower Upper

180 100

182 94.7 77.2 115.8

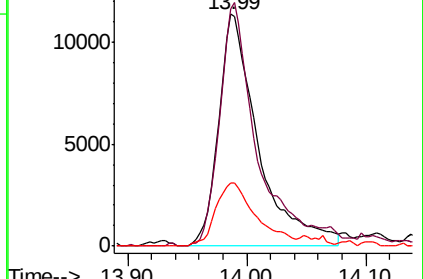
145 28.0 23.9 35.9



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



Time-->

