

Data File : VU033545.D
Acq On : 01 Aug 2019 13:34
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

Quant Time: Aug 02 01:55:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 01:49:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	304715	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	302309	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	163393	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	91667	41.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.76%
7) Chloroethane-d5	1.67	69	93004	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.86%
11) 1,1-Dichloroethene-d2	2.26	63	189178	47.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.10%
21) 2-Butanone-d5	4.15	46	161084	109.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.78%
24) Chloroform-d	4.62	84	184183	49.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.29	65	113483	48.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.50%
32) Benzene-d6	5.32	84	350133	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.44%
36) 1,2-Dichloropropane-d6	6.31	67	114434	48.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.42%
41) Toluene-d8	7.55	98	327889	46.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.38%
43) trans-1,3-Dichloropropene-	7.83	79	55315	47.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.94%
47) 2-Hexanone-d5	8.29	63	118960	106.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.66%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	182788	50.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.92%
64) 1,2-Dichlorobenzene-d4	11.85	152	140298	46.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.78%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	142166	49.474	ug/L 98
3) Chloromethane	1.32	50	146549	50.631	ug/L 100
5) Vinyl chloride	1.40	62	155963	50.264	ug/L 99
6) Bromomethane	1.62	94	130759	47.762	ug/L 97
8) Chloroethane	1.69	64	99739	52.899	ug/L 96
9) Trichlorofluoromethane	1.87	101	206514	50.879	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	106941	51.971	ug/L 99
12) 1,1-Dichloroethene	2.27	96	100964	51.165	ug/L 95
13) Acetone	2.32	43	169209	112.712	ug/L 99
14) Carbon disulfide	2.46	76	296340	47.880	ug/L 99
15) Methyl Acetate	2.60	43	127305	53.264	ug/L 100
16) Methylene chloride	2.68	84	116999	51.908	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	103801	50.209	ug/L 97
18) Methyl tert-butyl Ether	2.98	73	327874	52.006	ug/L 100
19) 1,1-Dichloroethane	3.42	63	201956	52.043	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	117328	50.561	ug/L 99
22) 2-Butanone	4.24	43	205488	114.654	ug/L 98

Data File : VU033545.D
Acq On : 01 Aug 2019 13:34
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

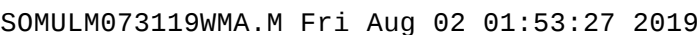
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

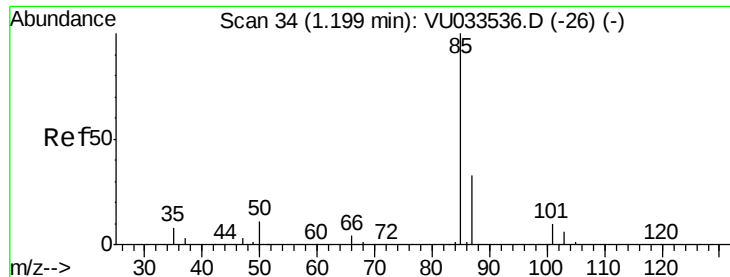
Quant Time: Aug 02 01:55:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 01:49:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	62156	51.337	ug/L	98
25) Chloroform	4.65	83	207704	50.861	ug/L	100
27) 1,2-Dichloroethane	5.38	62	164808	52.412	ug/L	100
29) Cyclohexane	4.97	56	166860	50.602	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	176487	50.737	ug/L	99
31) Carbon tetrachloride	5.11	117	155373	51.292	ug/L	100
33) Benzene	5.37	78	448283	51.402	ug/L	100
34) Trichloroethene	6.16	95	113818	49.475	ug/L	98
35) Methylcyclohexane	6.40	83	180581	50.302	ug/L	98
37) 1,2-Dichloropropane	6.41	63	120134	51.462	ug/L	100
38) Bromodichloromethane	6.74	83	156347	51.809	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	190047	52.160	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	351562	109.077	ug/L	99
42) Toluene	7.62	91	492376	52.505	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	169692	51.535	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	115789	52.248	ug/L	99
46) Tetrachloroethene	8.21	164	94048	50.075	ug/L	98
48) 2-Hexanone	8.34	43	285455	109.570	ug/L	99
49) Dibromochloromethane	8.46	129	130195	51.637	ug/L	99
50) 1,2-Dibromoethane	8.57	107	125284	51.036	ug/L	99
51) Chlorobenzene	9.10	112	310563	50.584	ug/L	98
52) Ethylbenzene	9.23	91	522469	51.740	ug/L	99
53) m,p-Xylene	9.36	106	200757	51.787	ug/L	96
54) o-xylene	9.76	106	196408	52.229	ug/L	99
55) Styrene	9.77	104	345437	54.086	ug/L	98
56) Isopropylbenzene	10.15	105	511144	52.022	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	207132	51.820	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	159642	51.810	ug/L	99
61) Bromoform	9.94	173	100611	50.975	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	252935	50.405	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	257705	49.432	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	254894	50.238	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	47372	50.535	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	193974	47.914	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	166621	48.168	ug/L	98
69) Naphthalene	13.73	128	496307	50.008	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	178684	49.116	ug/L	98

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

Quant Time: Aug 02 01:55:35 2019
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 01:49:55 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 49.474 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

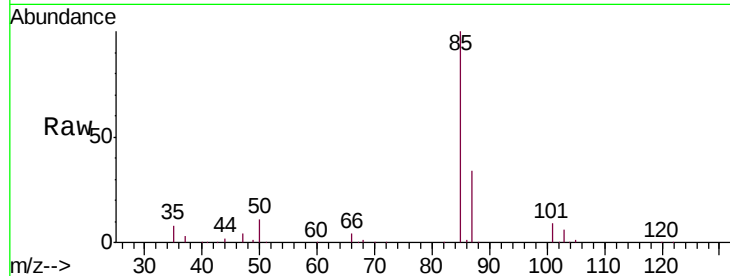
VSTD05044

Tgt Ion: 85 Resp: 142166

Ion Ratio Lower Upper

85 100

87 33.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033536.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033536.D (-26) (-)

1.20

150000

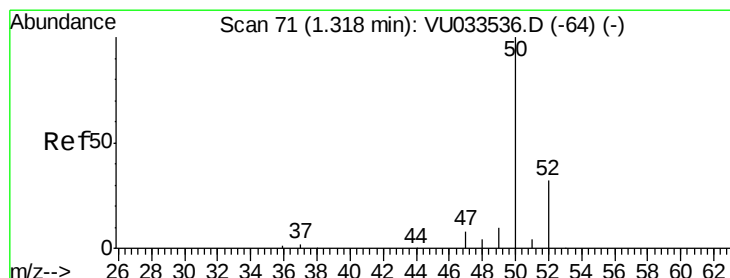
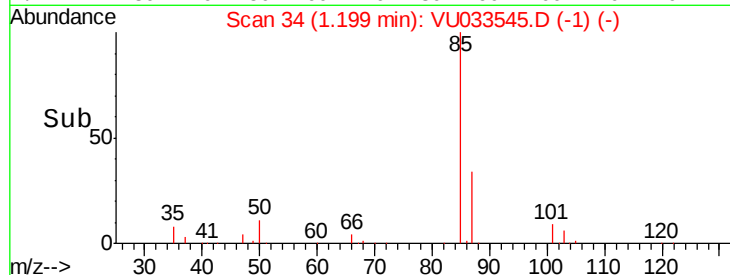
100000

50000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 50.631 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033545.D

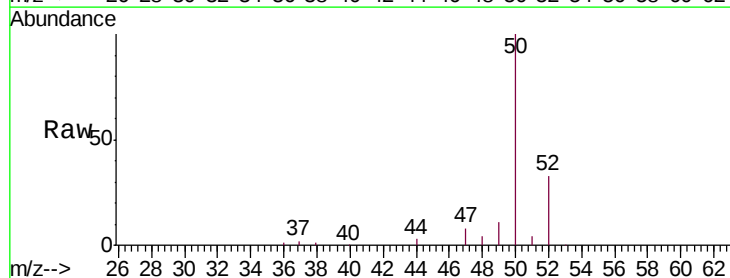
Acq: 01 Aug 2019 13:34

Tgt Ion: 50 Resp: 146549

Ion Ratio Lower Upper

50 100

52 32.9 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU033536.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033536.D (-64) (-)

1.32

150000

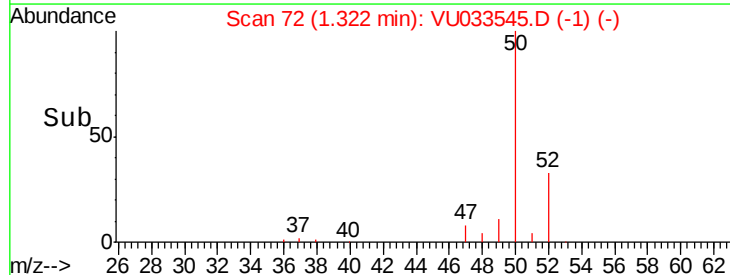
100000

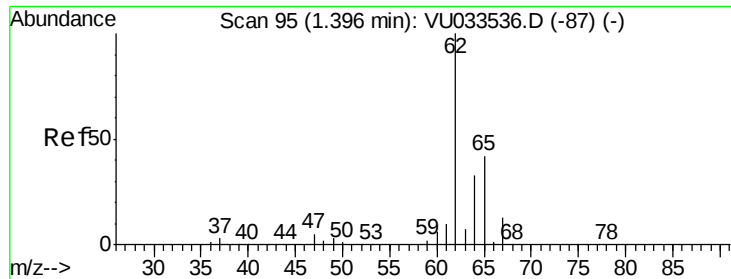
50000

0

1.30 1.35

Time-->





#5

Vinyl chloride

Concen: 50.264 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

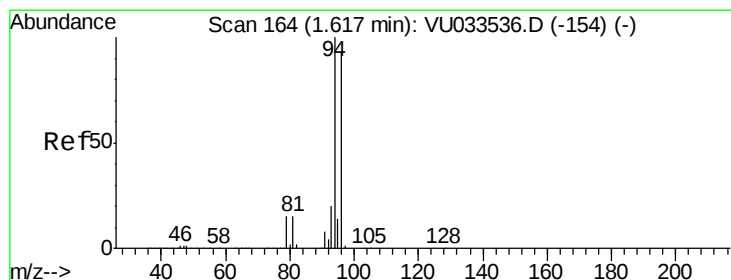
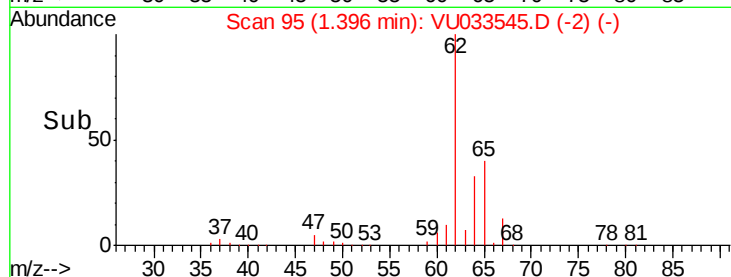
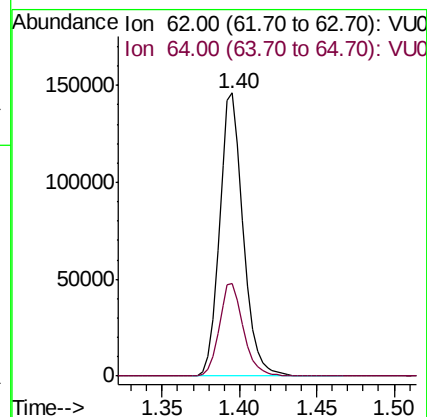
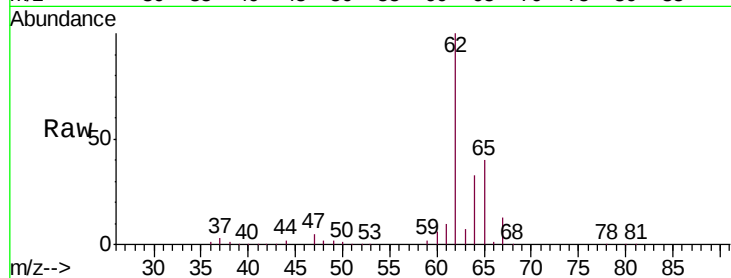
VSTD05044

Tgt Ion: 62 Resp: 155963

Ion Ratio Lower Upper

62 100

64 32.7 23.4 43.4



#6

Bromomethane

Concen: 47.762 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033545.D

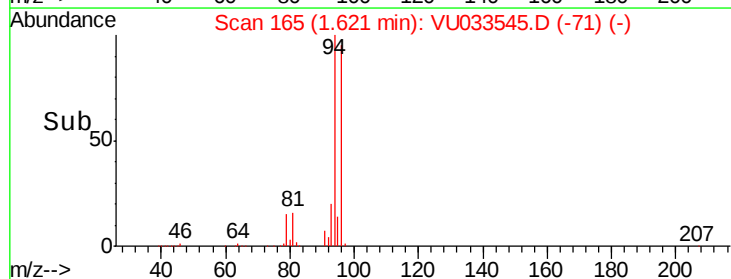
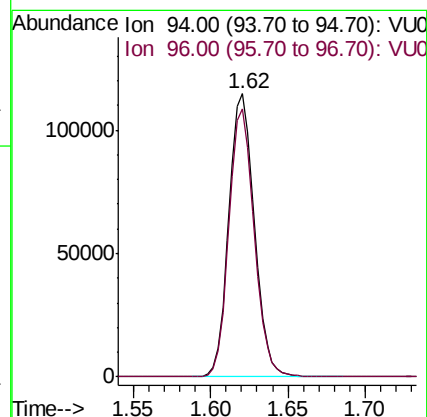
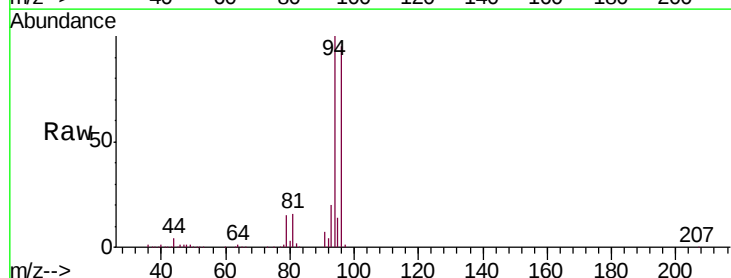
Acq: 01 Aug 2019 13:34

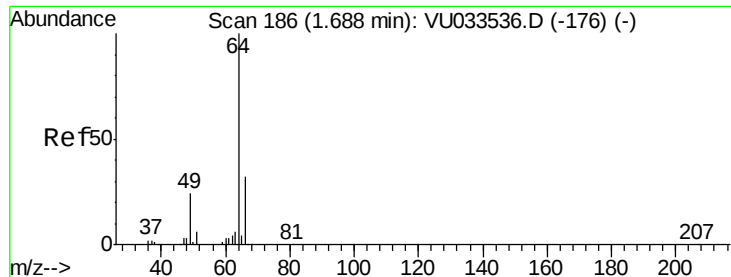
Tgt Ion: 94 Resp: 130759

Ion Ratio Lower Upper

94 100

96 94.6 64.4 119.6





#8

Chloroethane

Concen: 52.899 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

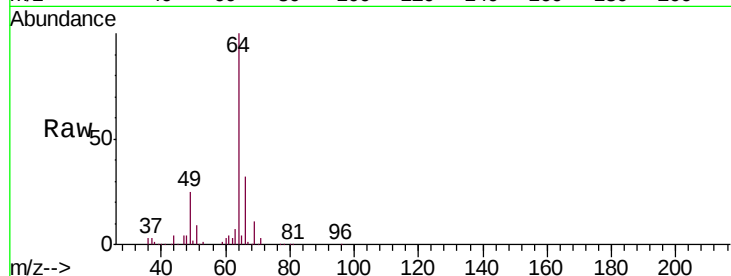
VSTD05044

Tgt Ion: 64 Resp: 99739

Ion Ratio Lower Upper

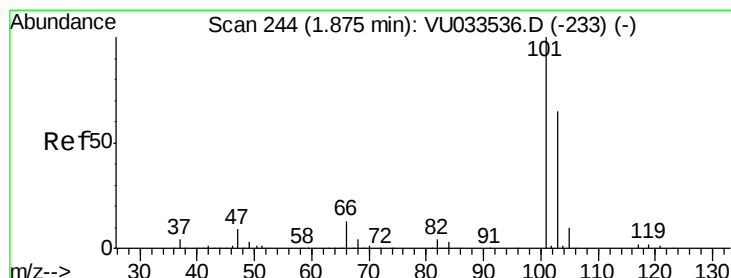
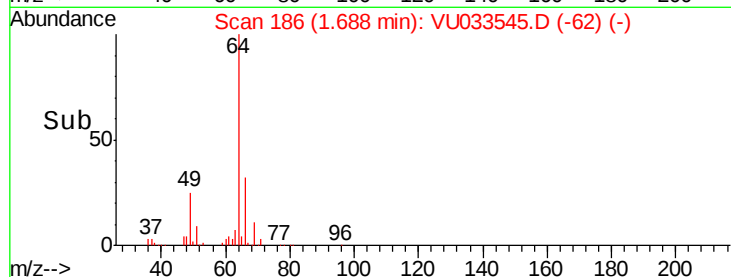
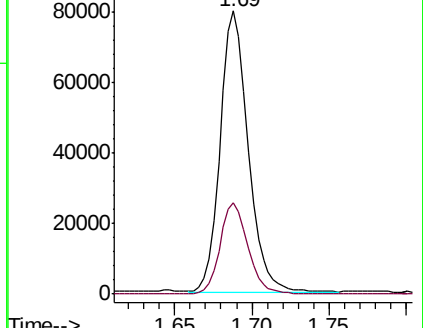
64 100

66 32.2 21.1 39.3



Abundance Ion 64.00 (63.70 to 64.70): VU033536.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033536.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 50.879 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033545.D

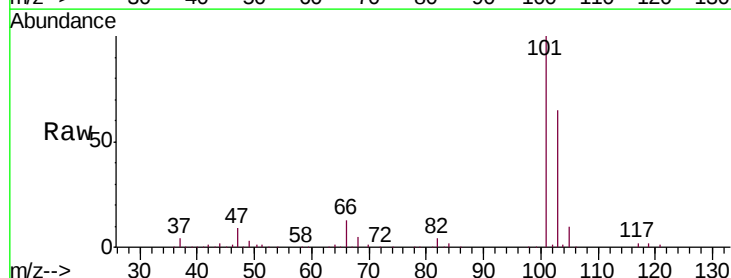
Acq: 01 Aug 2019 13:34

Tgt Ion: 101 Resp: 206514

Ion Ratio Lower Upper

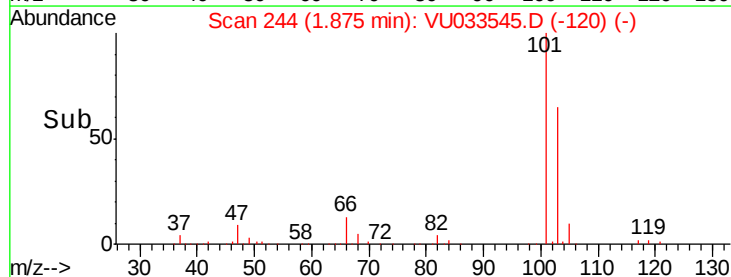
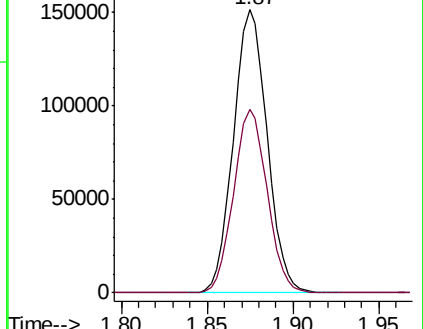
101 100

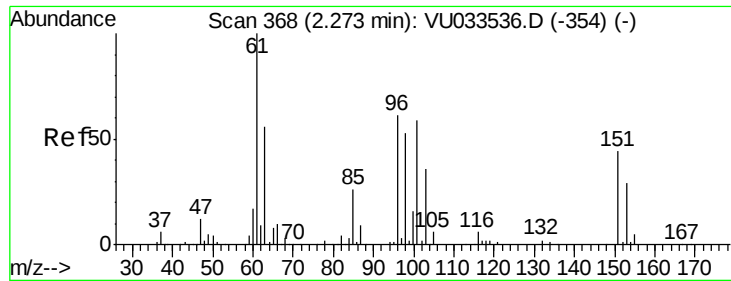
103 64.4 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VU033536.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033536.D (-233) (-)





#10

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

Concen: 51.971 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

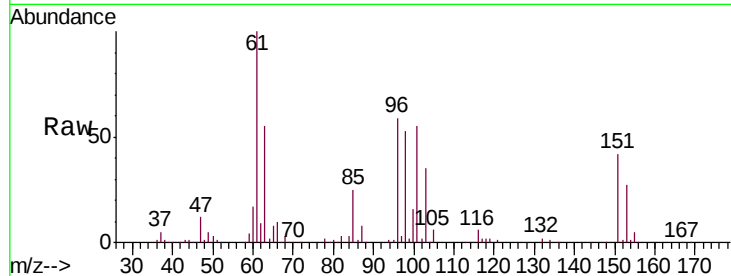
Tgt Ion:101 Resp: 106941

Ion Ratio Lower Upper

101 100

85 44.4 35.8 53.8

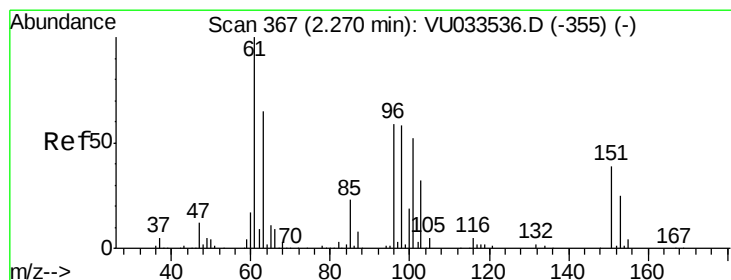
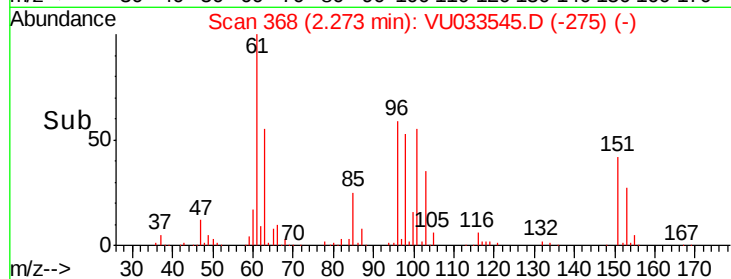
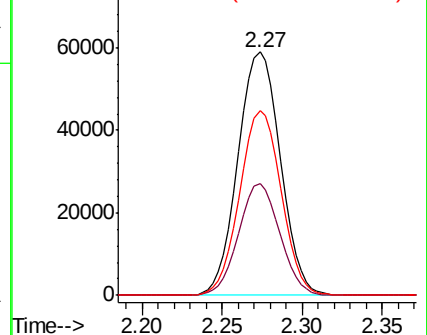
151 74.1 60.1 90.1



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: 51.165 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

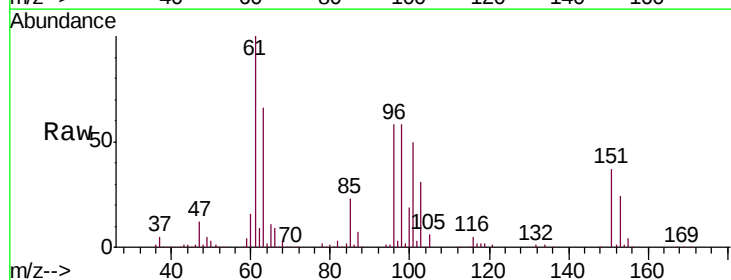
Tgt Ion: 96 Resp: 100964

Ion Ratio Lower Upper

96 100

61 172.2 119.3 221.5

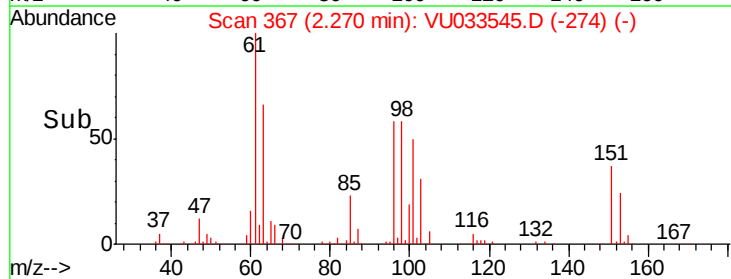
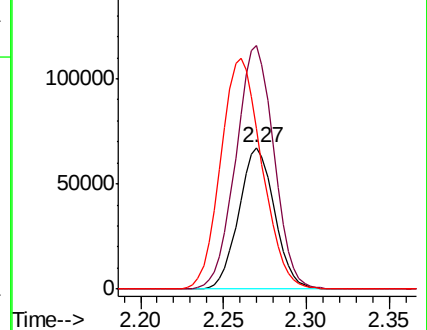
63 113.1 86.6 160.8

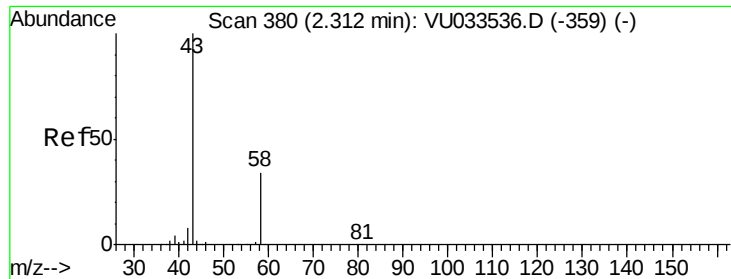


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 112.712 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

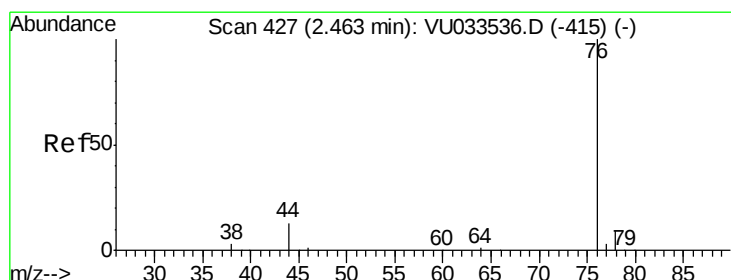
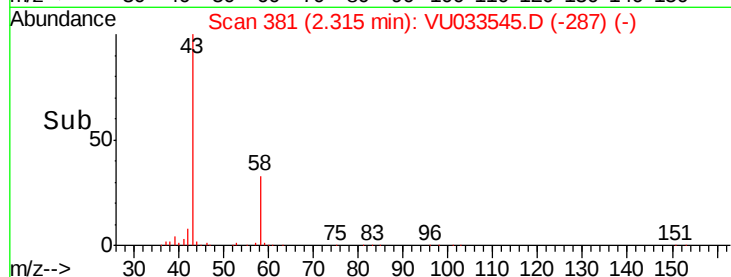
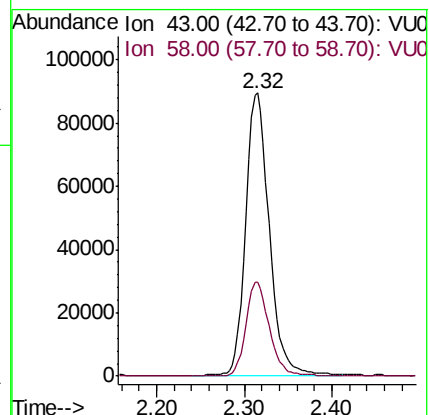
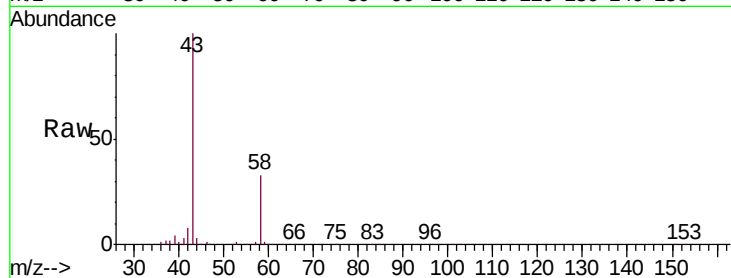
VSTD05044

Tgt Ion: 43 Resp: 169209

Ion Ratio Lower Upper

43 100

58 32.8 0.0 66.2



#14

Carbon disulfide

Concen: 47.880 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033545.D

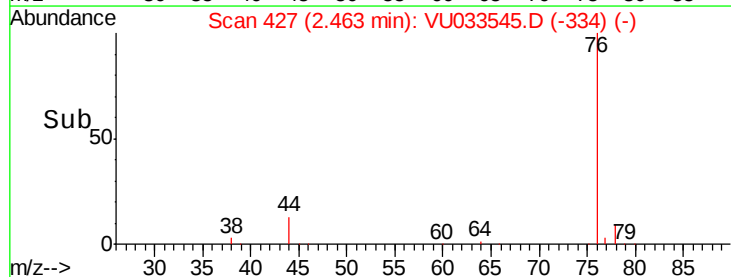
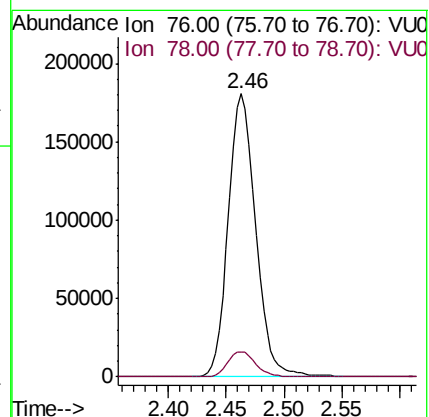
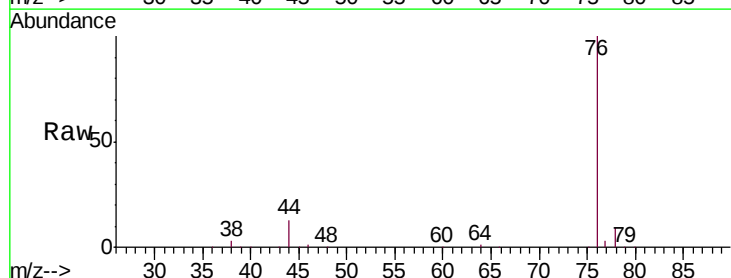
Acq: 01 Aug 2019 13:34

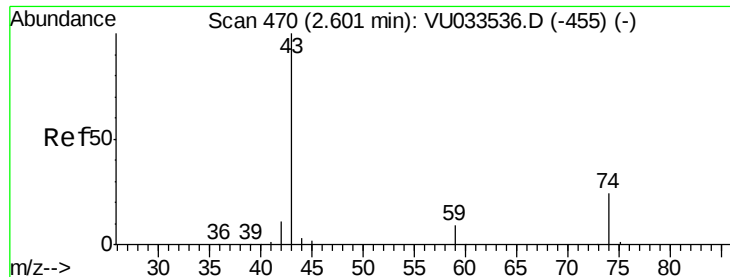
Tgt Ion: 76 Resp: 296340

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

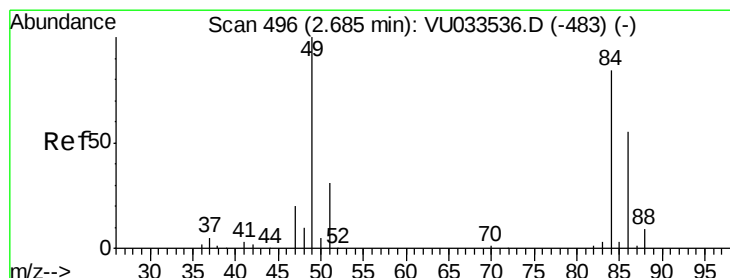
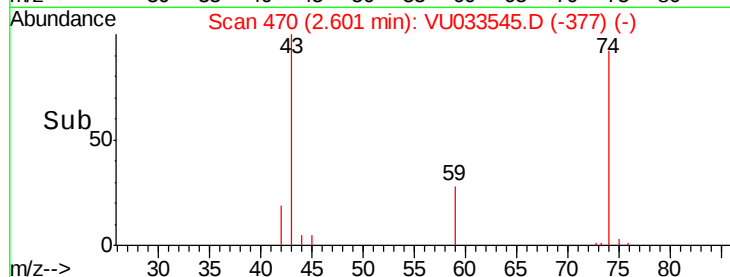
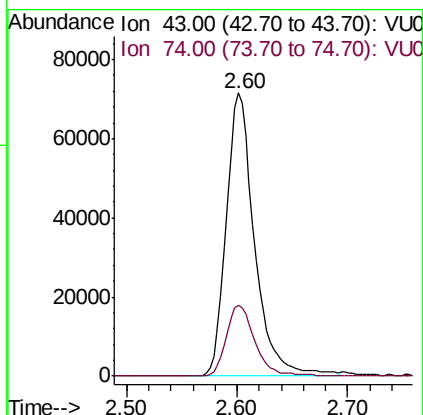
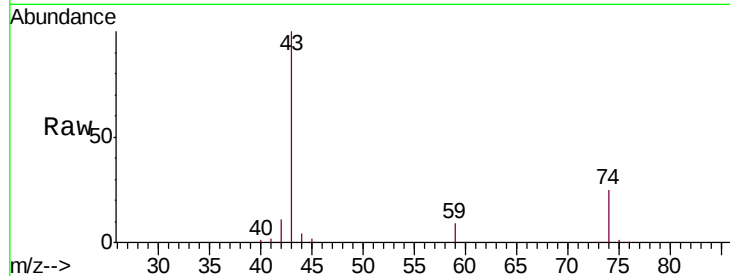




#15
Methyl Acetate
Concen: 53.264 ug/L
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU033545.D
Acq: 01 Aug 2019 13:34

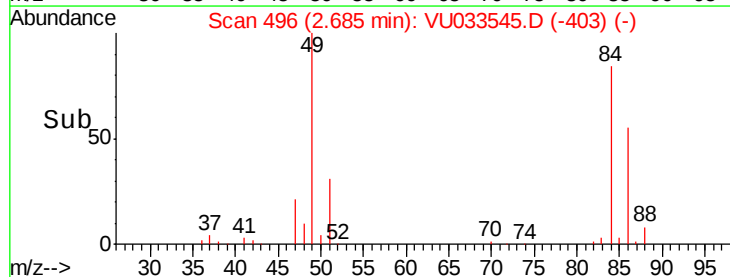
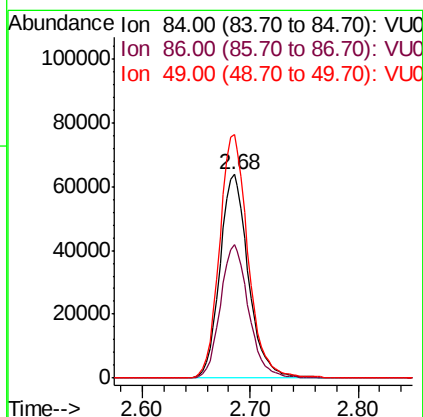
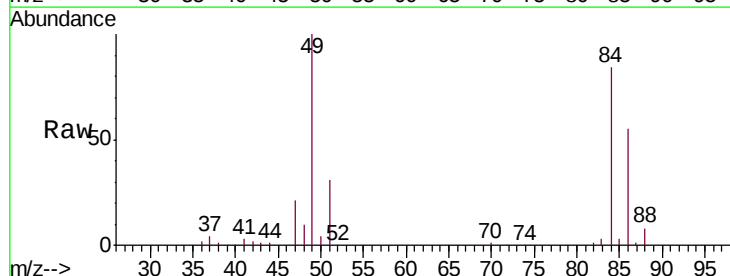
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

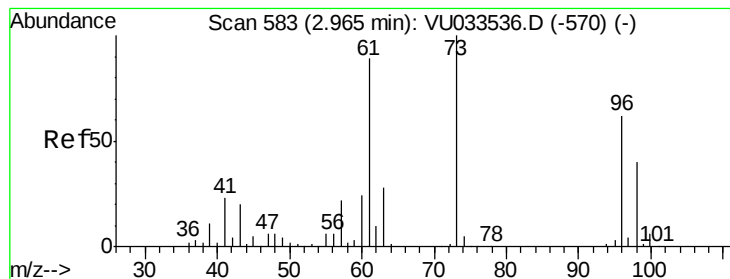
Tgt Ion: 43 Resp: 127305
Ion Ratio Lower Upper
43 100
74 24.9 20.1 30.1



#16
Methylene chloride
Concen: 51.908 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU033545.D
Acq: 01 Aug 2019 13:34

Tgt Ion: 84 Resp: 116999
Ion Ratio Lower Upper
84 100
86 65.3 45.7 84.9
49 119.7 85.0 158.0





#17

trans-1,2-Dichloroethene

Concen: 50.209 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

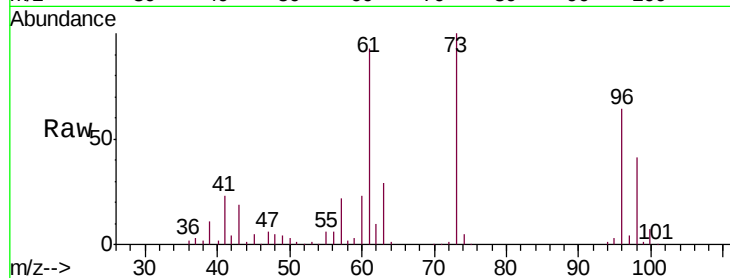
Tgt Ion: 96 Resp: 103801

Ion Ratio Lower Upper

96 100

61 145.1 98.3 182.5

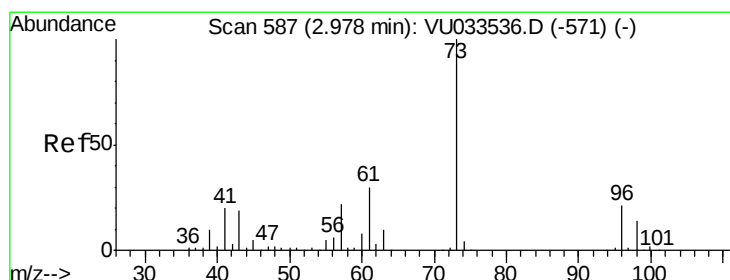
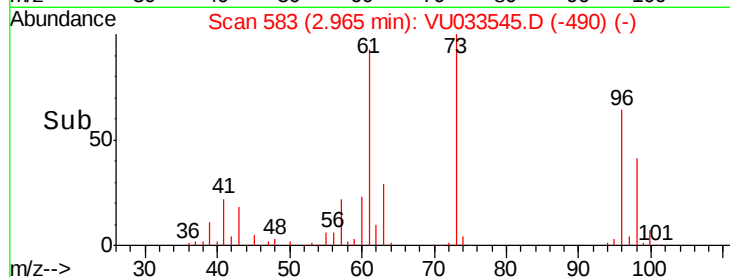
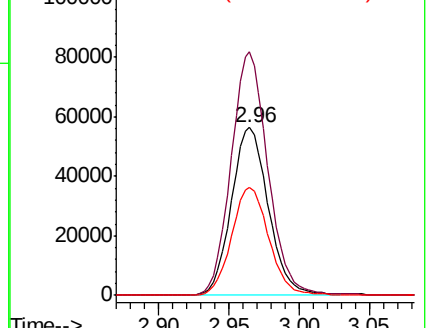
98 64.5 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU033536.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU033536.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU033536.D (-570) (-)



#18

Methyl tert-butyl Ether

Concen: 52.006 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

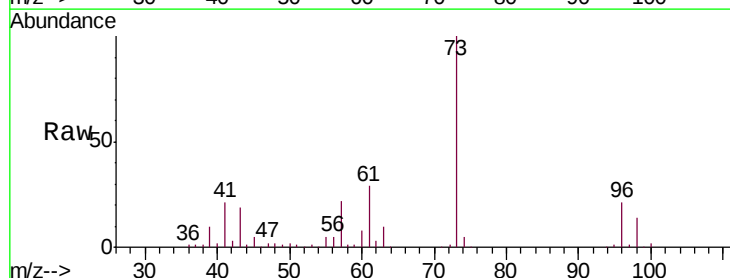
Tgt Ion: 73 Resp: 327874

Ion Ratio Lower Upper

73 100

43 19.3 15.4 23.2

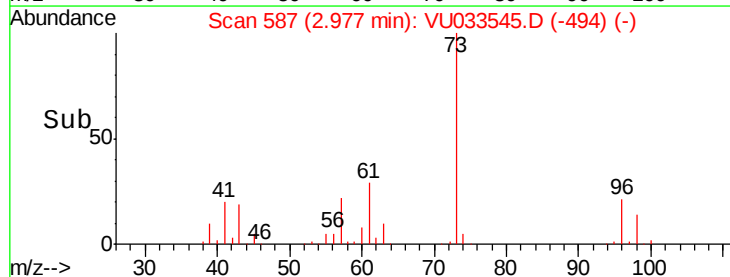
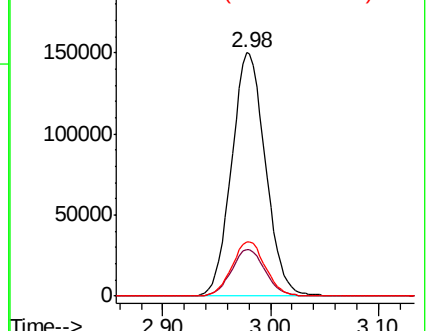
57 22.1 17.4 26.2

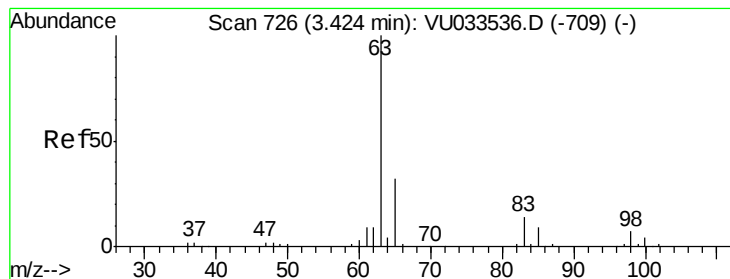


Abundance Ion 73.00 (72.70 to 73.70): VU033536.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033536.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU033536.D (-571) (-)





#19

1,1-Dichloroethane

Concen: 52.043 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

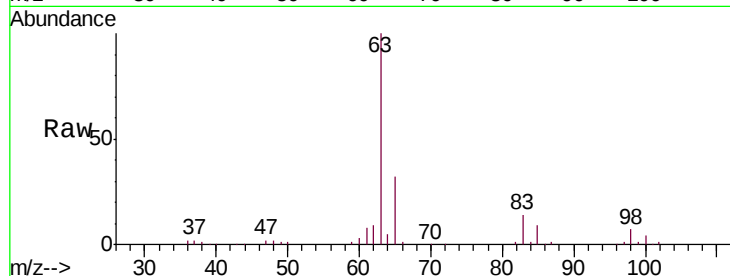
Tgt Ion: 63 Resp: 201956

Ion Ratio Lower Upper

63 100

65 32.2 22.0 40.8

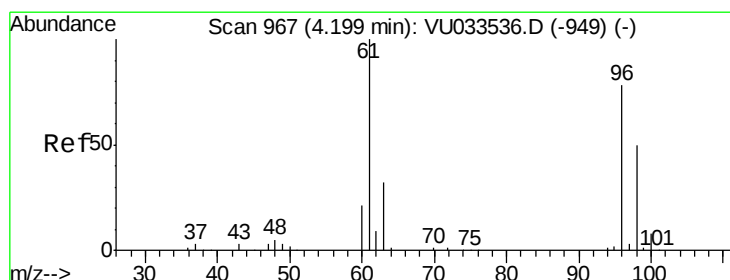
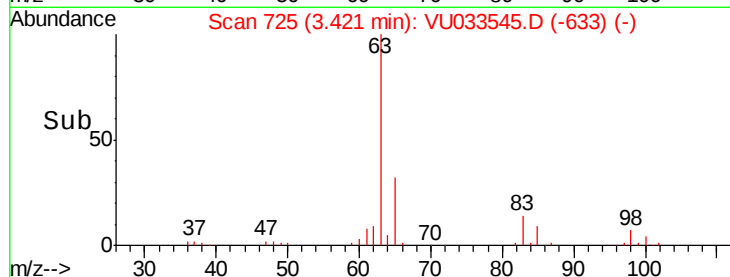
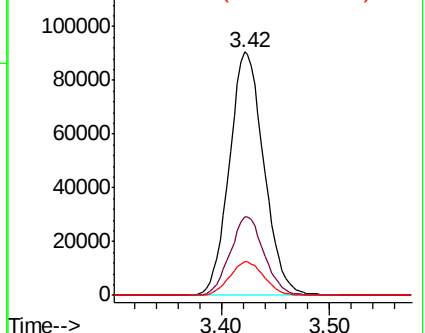
83 13.7 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VU033536.D (-709) (-)

Ion 65.00 (64.70 to 65.70): VU033536.D (-709) (-)

Ion 83.00 (82.70 to 83.70): VU033536.D (-709) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.561 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

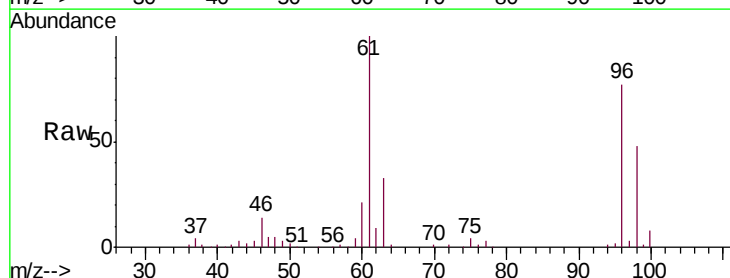
Tgt Ion: 96 Resp: 117328

Ion Ratio Lower Upper

96 100

61 129.5 91.3 169.6

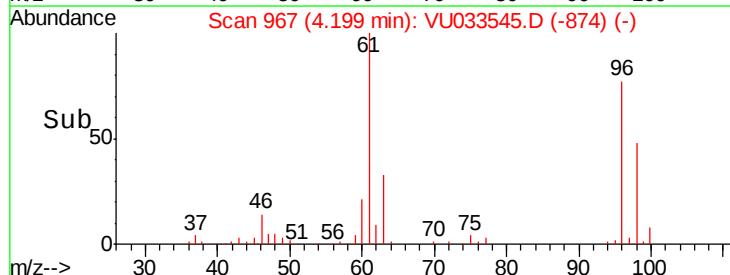
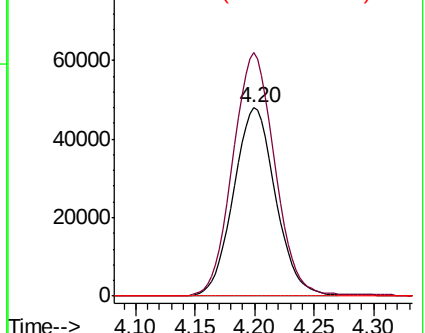
68 0.0 0.0 0.0

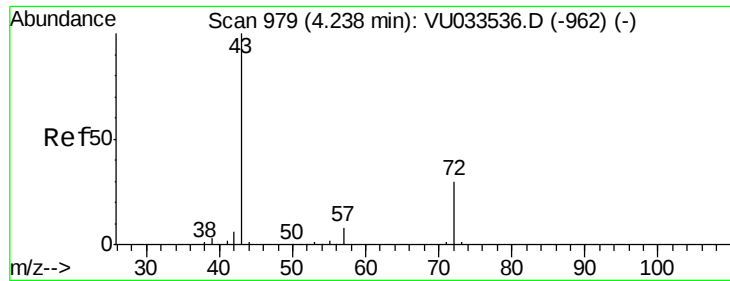


Abundance Ion 96.00 (95.70 to 96.70): VU033536.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU033536.D (-949) (-)

Ion 68.00 (67.70 to 68.70): VU033536.D (-949) (-)





#22

2-Butanone

Concen: 114.654 ug/L

RT: 4.24 min Scan# 979

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

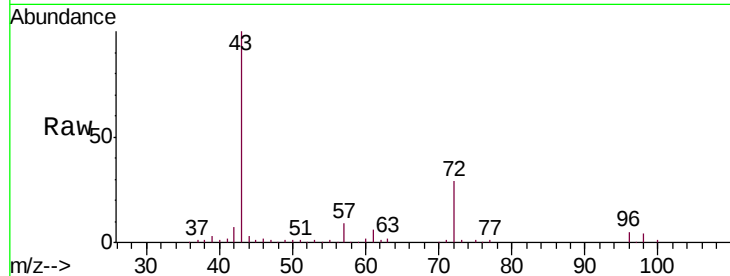
VSTD05044

Tgt Ion: 43 Resp: 205488

Ion Ratio Lower Upper

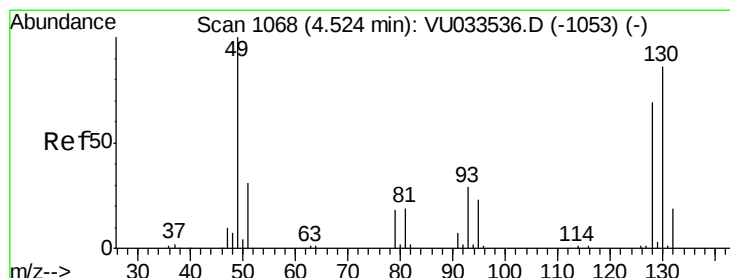
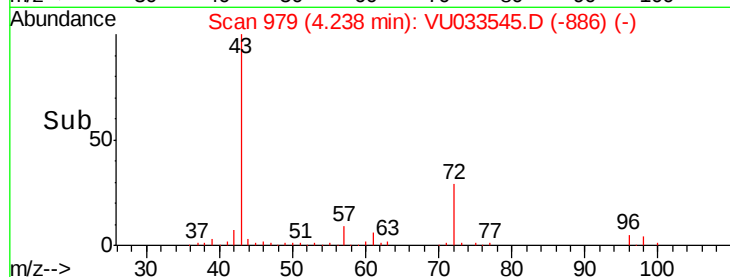
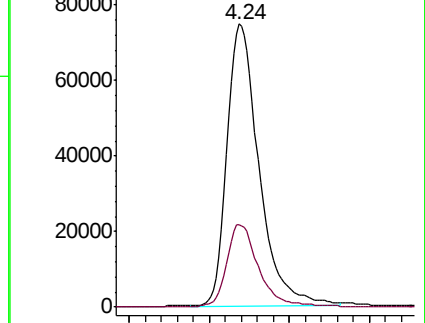
43 100

72 29.6 14.2 42.6



Abundance Ion 43.00 (42.70 to 43.70): VU033536.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU033536.D (-962) (-)



#23

Bromochloromethane

Concen: 51.337 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Tgt Ion: 128 Resp: 62156

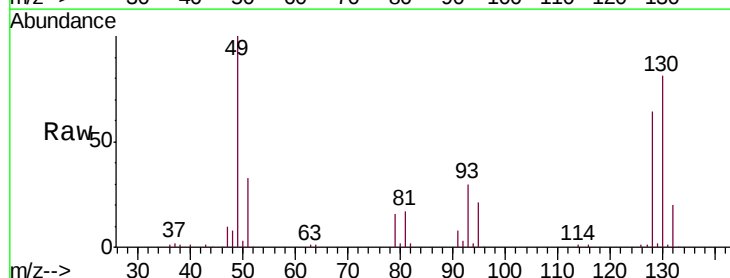
Ion Ratio Lower Upper

128 100

49 157.0 108.4 201.2

130 127.7 89.7 166.5

51 51.9 38.9 58.3

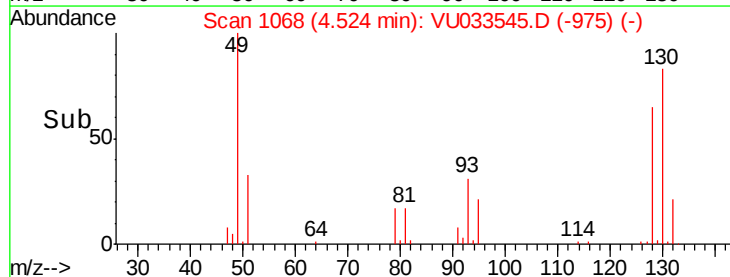
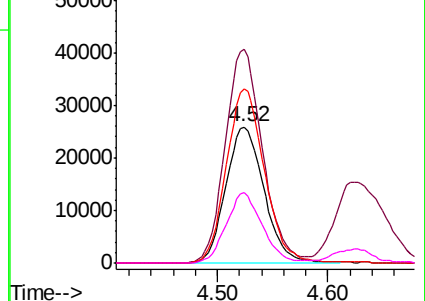


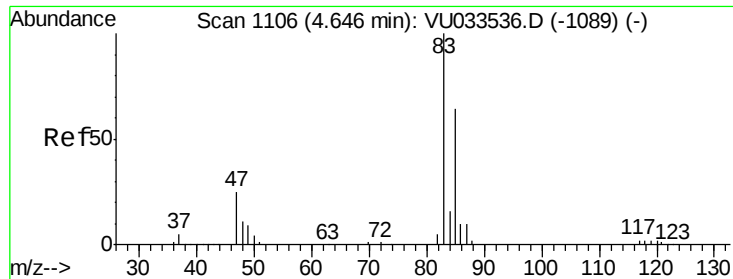
Abundance Ion 128.00 (127.70 to 128.70): VU033536.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU033536.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU033536.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU033536.D (-1053) (-)

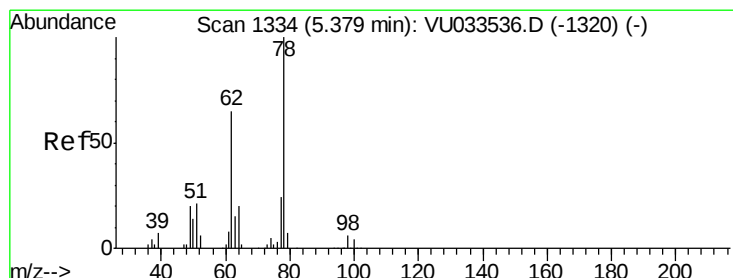
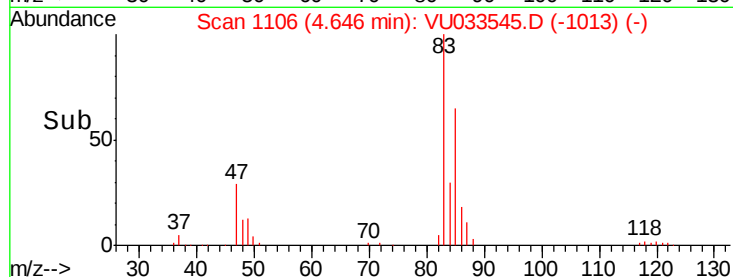
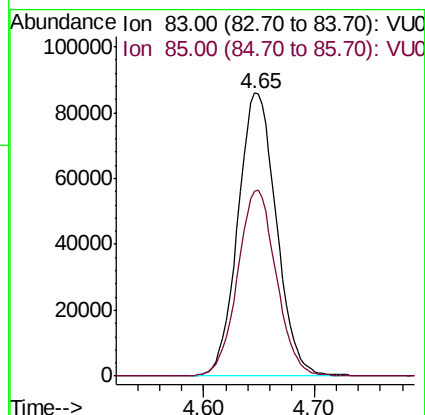
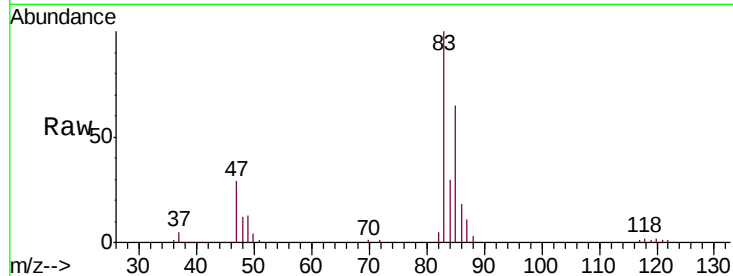




#25
Chloroform
Concen: 50.861 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033545.D
Acq: 01 Aug 2019 13:34

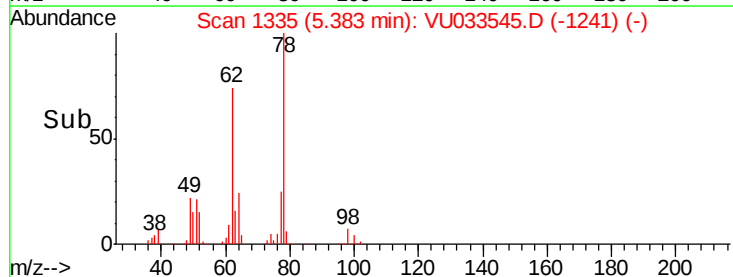
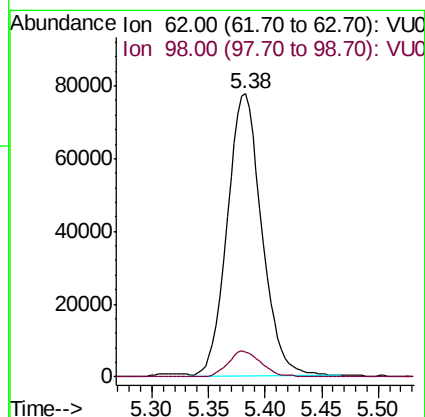
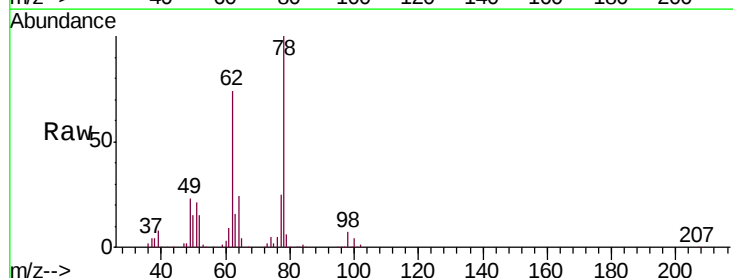
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

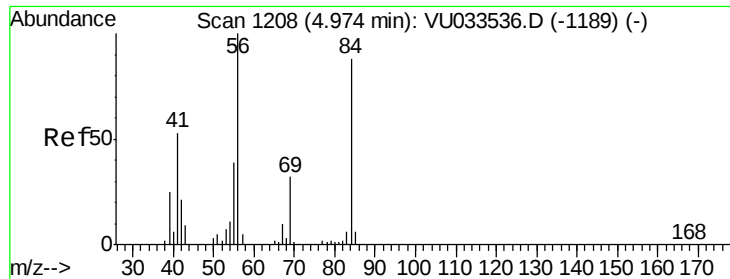
Tgt Ion: 83 Resp: 207704
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 52.412 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033545.D
Acq: 01 Aug 2019 13:34

Tgt Ion: 62 Resp: 164808
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8

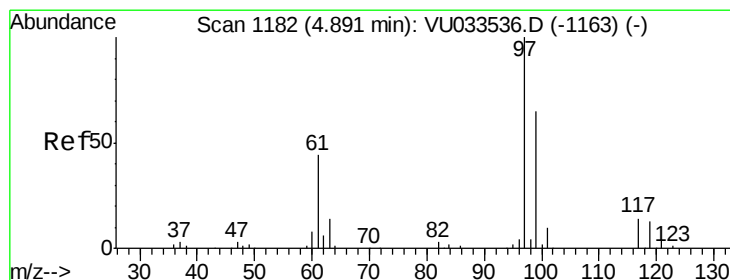
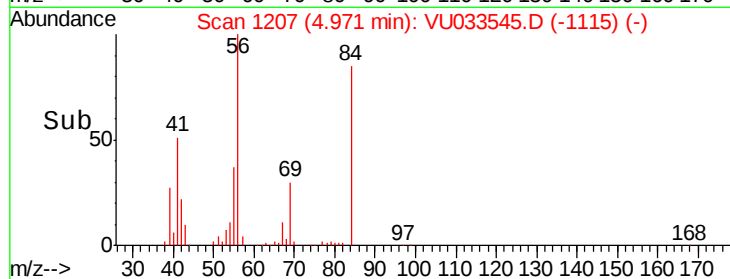
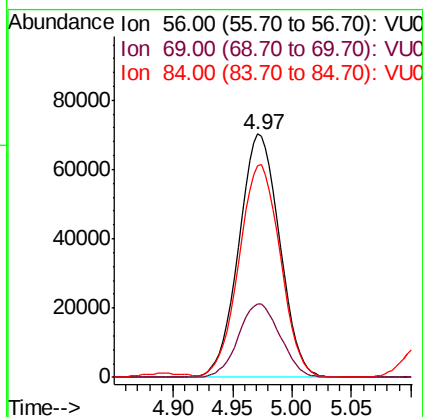
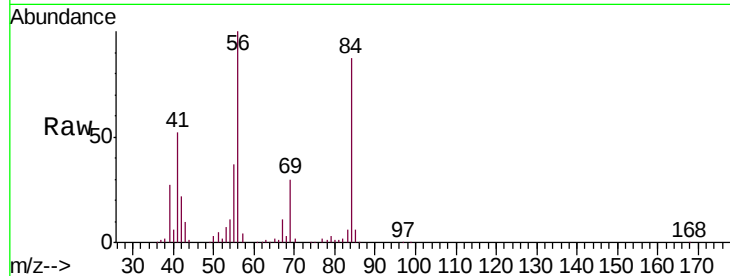




#29
Cyclohexane
Concen: 50.602 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033545.D
Acq: 01 Aug 2019 13:34

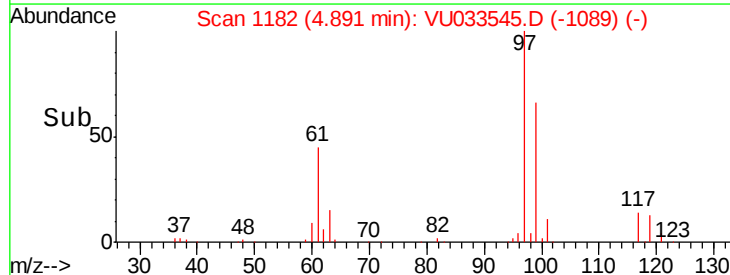
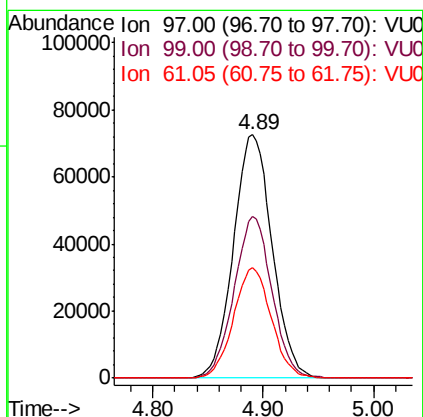
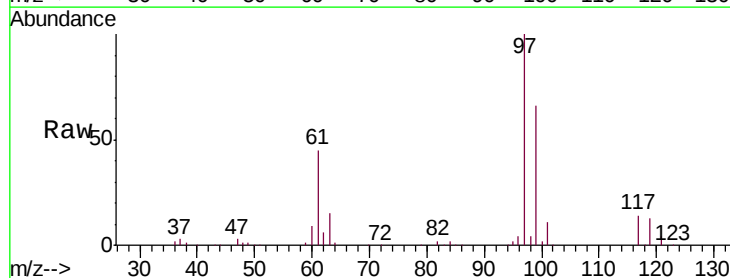
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

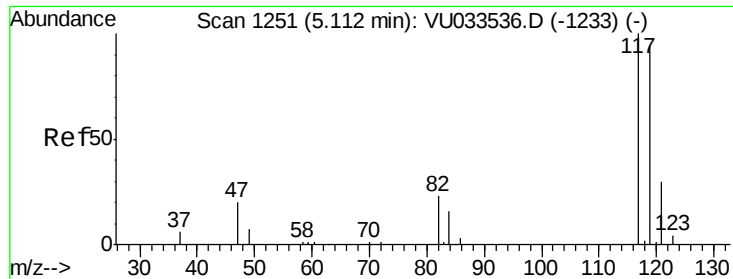
Tgt Ion: 56 Resp: 166860
Ion Ratio Lower Upper
56 100
69 30.9 25.0 37.6
84 88.7 71.6 107.4



#30
1,1,1-Trichloroethane
Concen: 50.737 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033545.D
Acq: 01 Aug 2019 13:34

Tgt Ion: 97 Resp: 176487
Ion Ratio Lower Upper
97 100
99 64.8 51.1 76.7
61 44.3 35.5 53.3

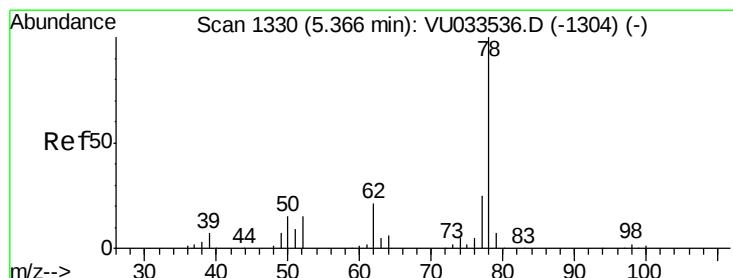
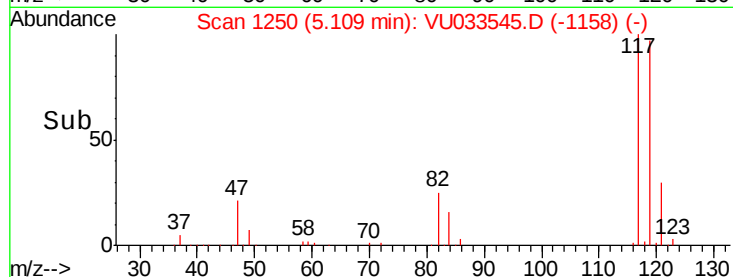
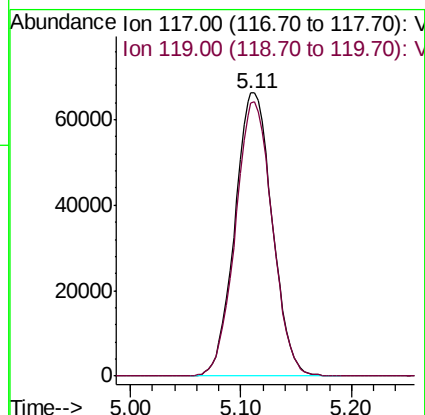
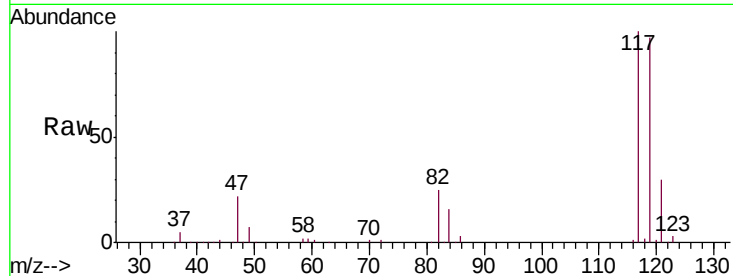




#31
Carbon tetrachloride
Concen: 51.292 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033545.D
Acq: 01 Aug 2019 13:34

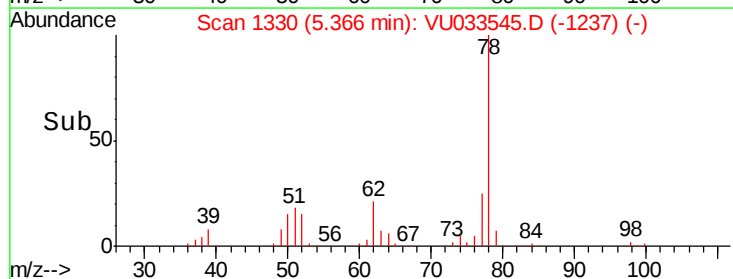
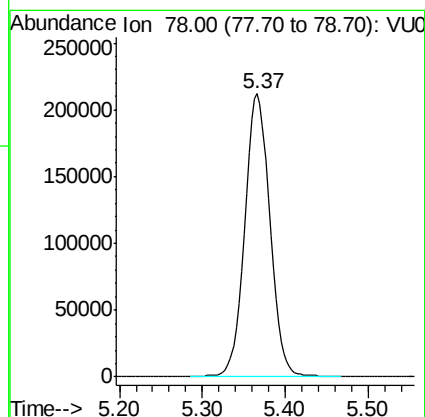
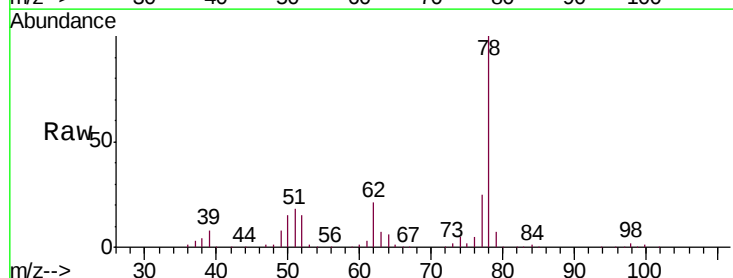
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

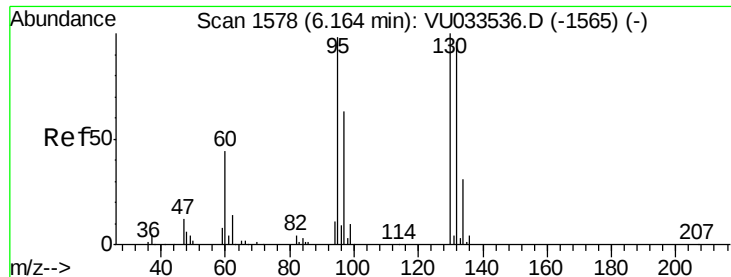
Tgt Ion:117 Resp: 155373
Ion Ratio Lower Upper
117 100
119 95.9 77.0 115.4



#33
Benzene
Concen: 51.402 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU033545.D
Acq: 01 Aug 2019 13:34

Tgt Ion: 78 Resp: 448283

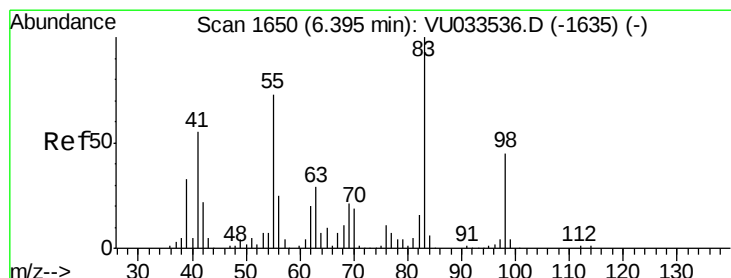
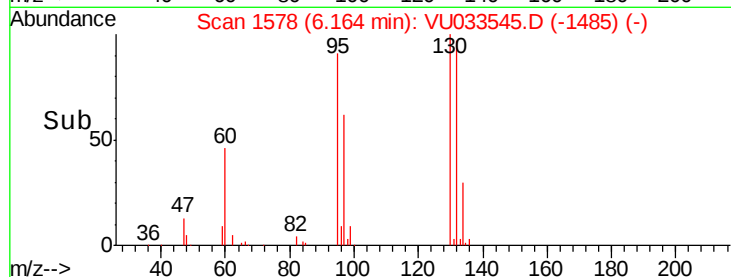
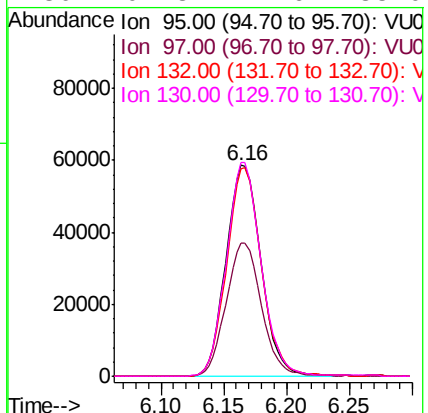
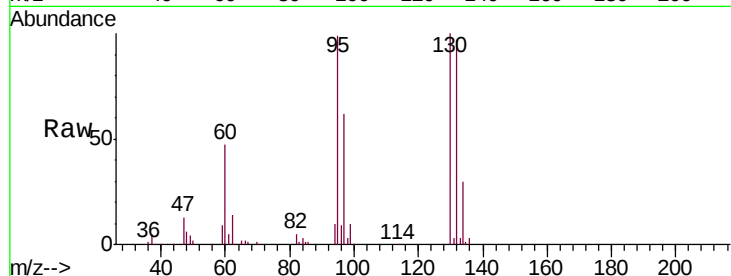




#34
 Trichloroethene
 Concen: 49.475 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033545.D
 Acq: 01 Aug 2019 13:34

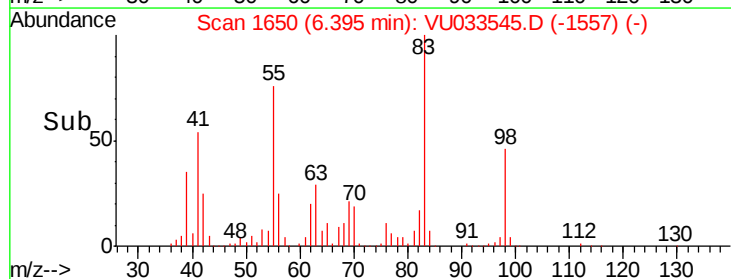
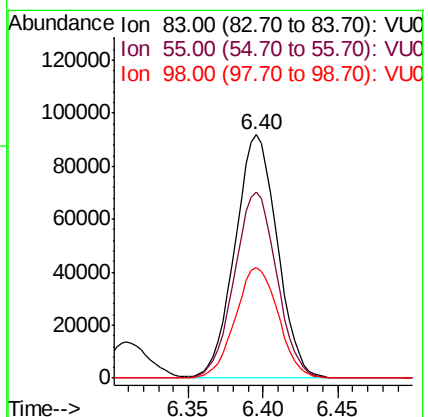
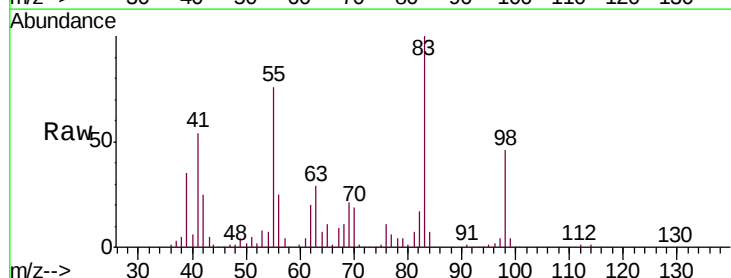
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

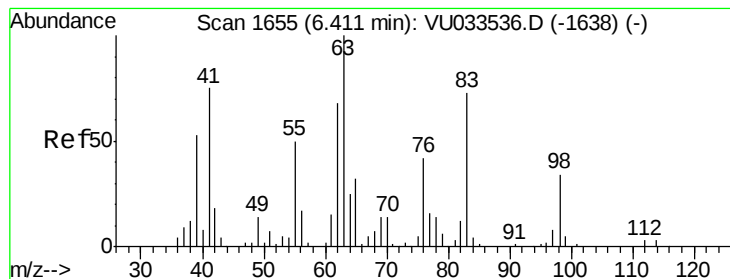
Tgt Ion:	95	Resp:	113818
Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.7	83.1
132	98.5	66.8	124.0
130	101.3	71.6	133.0



#35
 Methylcyclohexane
 Concen: 50.302 ug/L
 RT: 6.40 min Scan# 1650
 Delta R.T. -0.00 min
 Lab File: VU033545.D
 Acq: 01 Aug 2019 13:34

Tgt Ion:	83	Resp:	180581
Ion	Ratio	Lower	Upper
83	100		
55	76.9	60.2	90.4
98	46.2	36.5	54.7





#37

1,2-Dichloropropane

Concen: 51.462 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

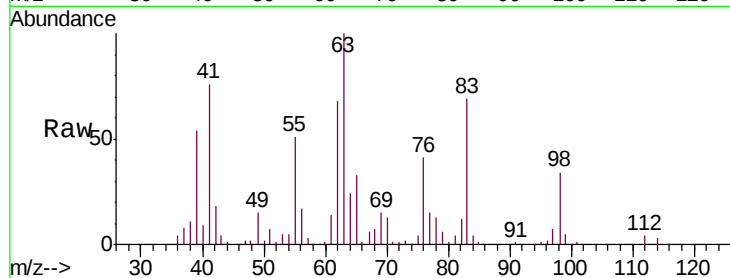
VSTD05044

Tgt Ion: 63 Resp: 120134

Ion Ratio Lower Upper

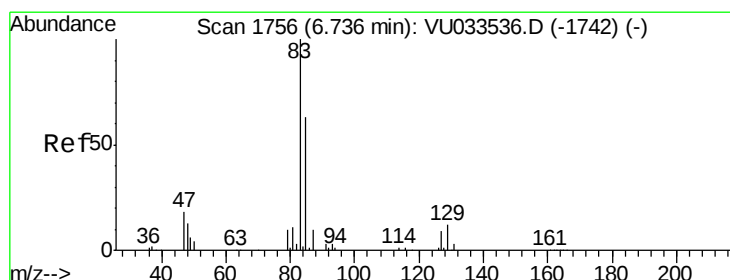
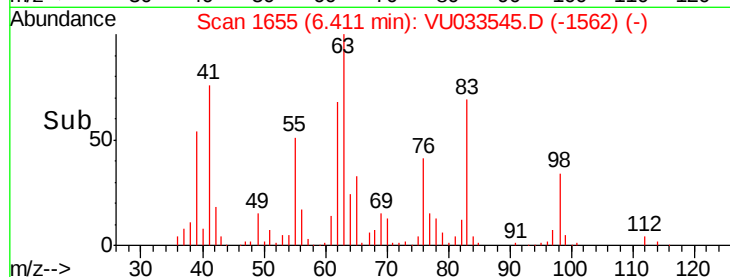
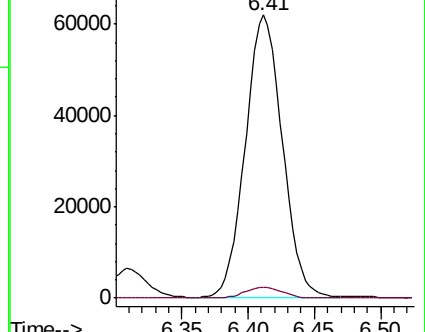
63 100

112 3.9 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VU033536.D (-1638) (-)

Ion 112.00 (111.70 to 112.70): VU033536.D (-1638) (-)



#38

Bromodichloromethane

Concen: 51.809 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

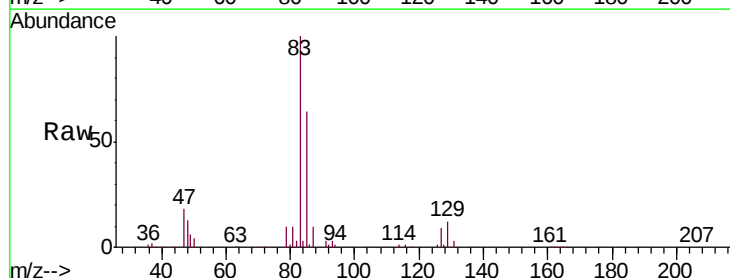
Tgt Ion: 83 Resp: 156347

Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.9

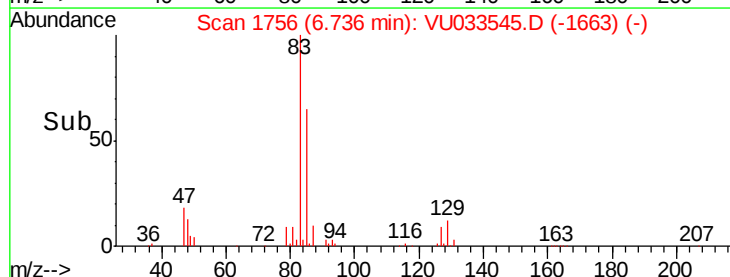
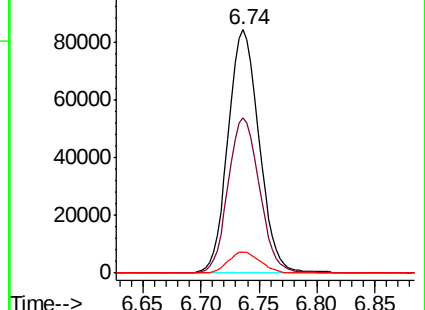
127 8.8 7.2 10.8

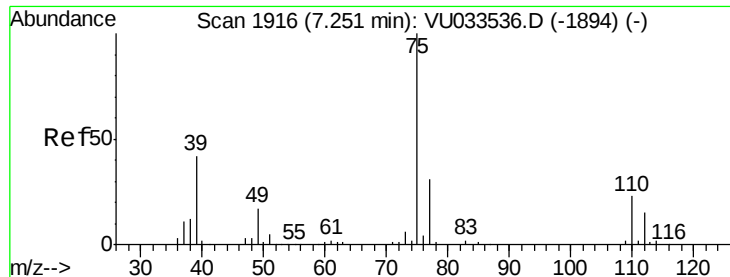


Abundance Ion 83.00 (82.70 to 83.70): VU033536.D (-1742) (-)

Ion 85.00 (84.70 to 85.70): VU033536.D (-1742) (-)

Ion 127.00 (126.70 to 127.70): VU033536.D (-1742) (-)

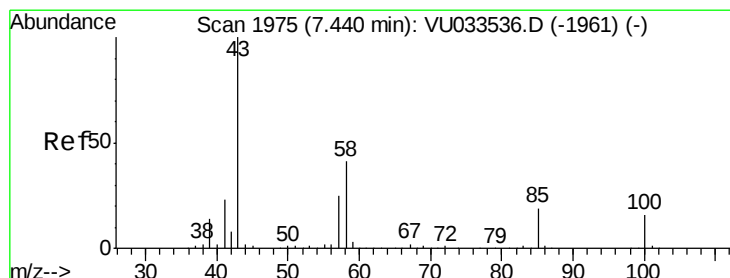
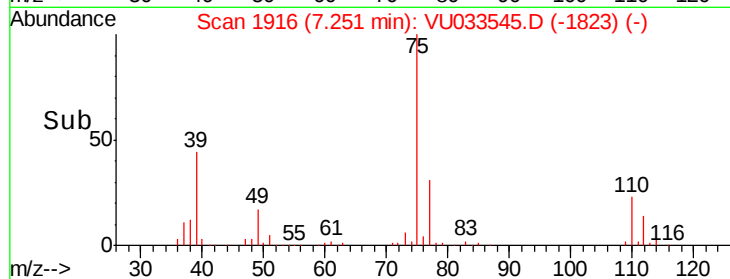
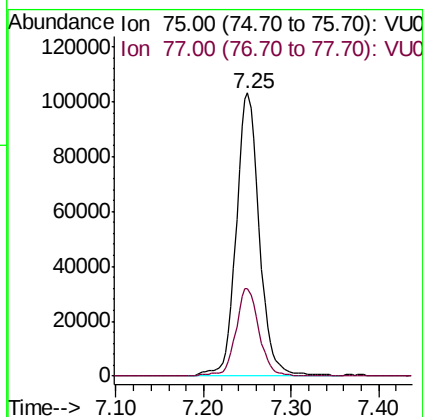
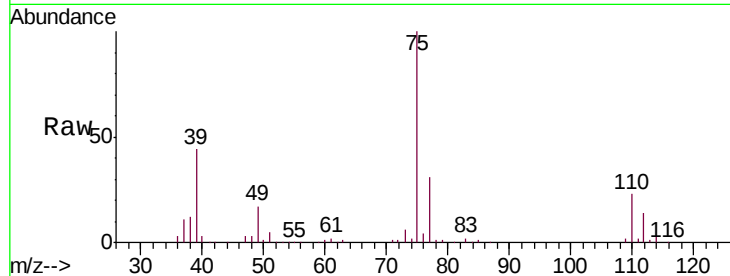




#39
 cis-1,3-Dichloropropene
 Concen: 52.160 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033545.D
 Acq: 01 Aug 2019 13:34

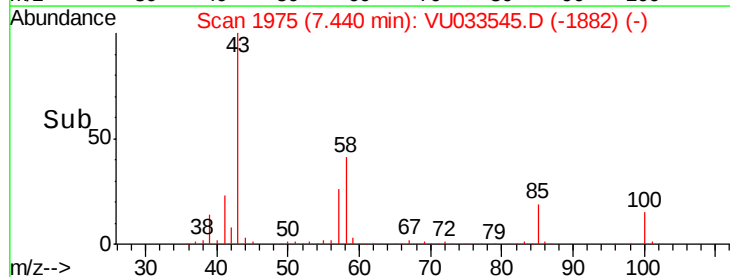
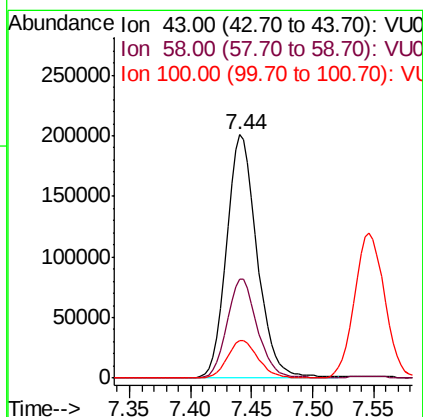
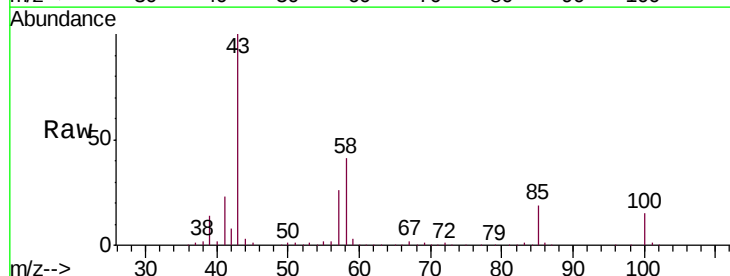
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

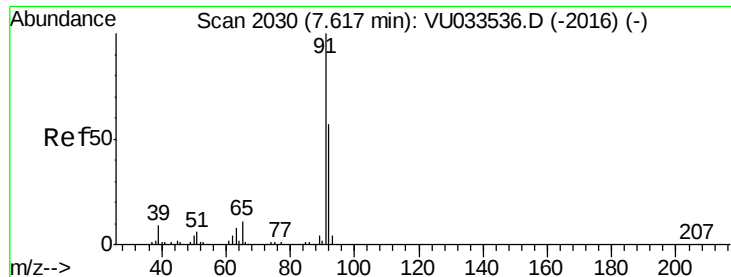
Tgt Ion: 75 Resp: 190047
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 109.077 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033545.D
 Acq: 01 Aug 2019 13:34

Tgt Ion: 43 Resp: 351562
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.8 49.2
 100 15.6 12.9 19.3





#42

Toluene

Concen: 52.505 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

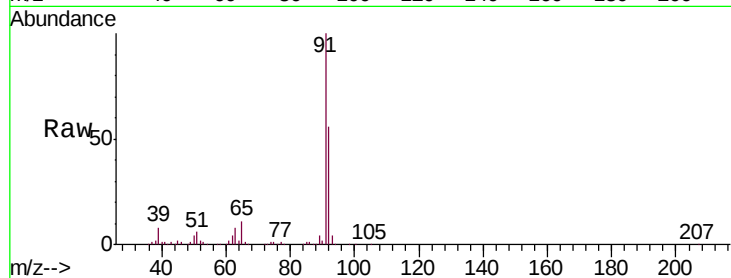
VSTD05044

Tgt Ion: 91 Resp: 492376

Ion Ratio Lower Upper

91 100

92 56.0 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VU033536.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033536.D (-2016) (-)

7.62

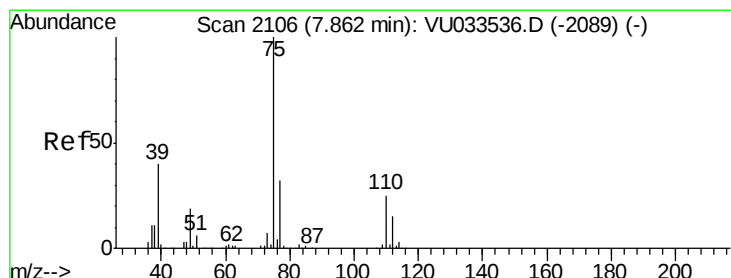
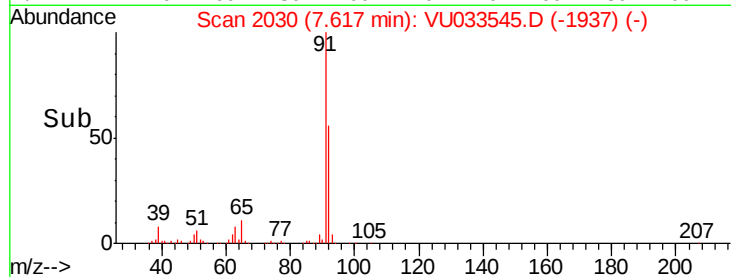
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.535 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033545.D

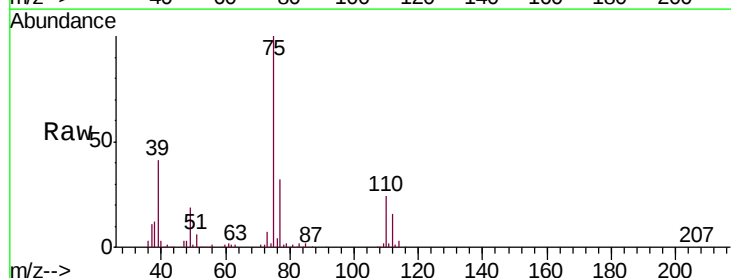
Acq: 01 Aug 2019 13:34

Tgt Ion: 75 Resp: 169692

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU033536.D (-2089) (-)

Ion 77.00 (76.70 to 77.70): VU033536.D (-2089) (-)

7.86

100000

80000

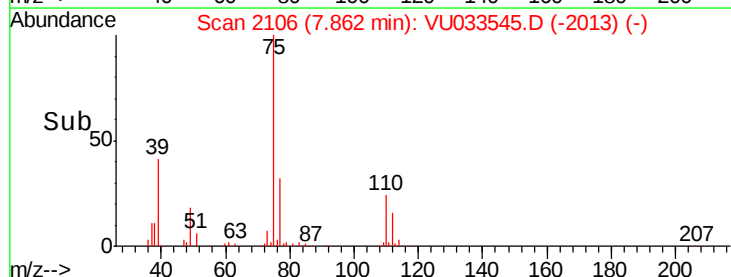
60000

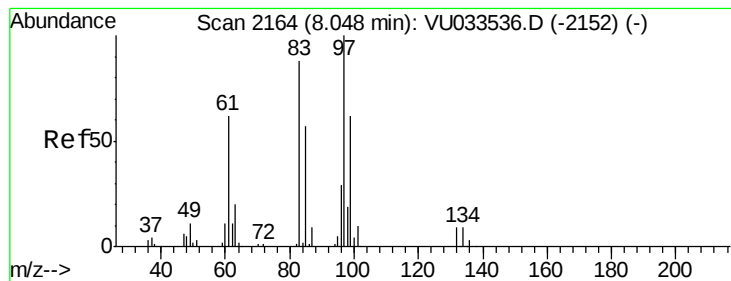
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 52.248 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

Tgt Ion: 97 Resp: 115789

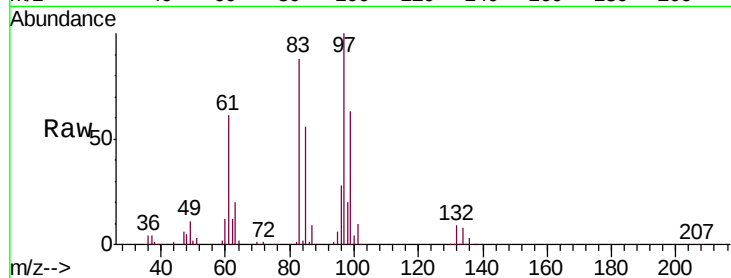
Ion Ratio Lower Upper

97 100

99 62.8 44.4 82.4

83 88.2 61.5 114.1

85 55.7 40.4 75.0



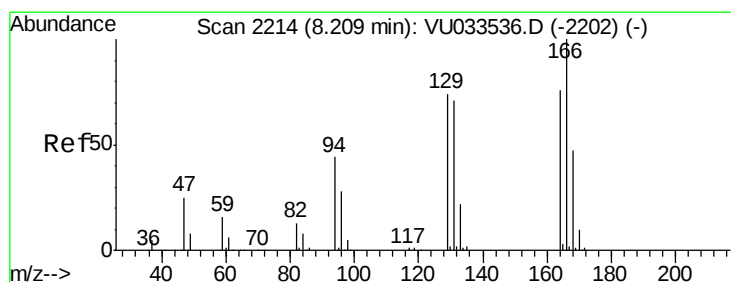
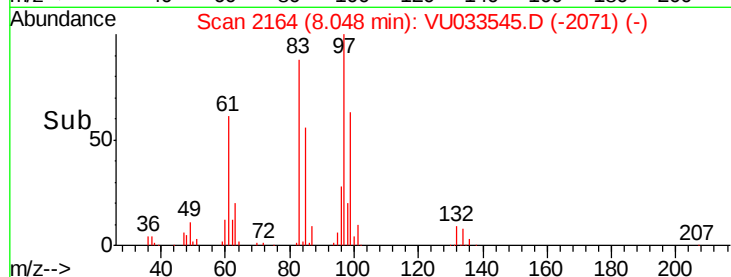
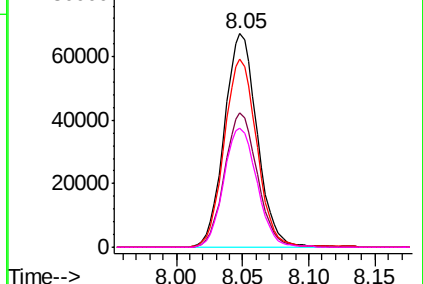
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 50.075 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Tgt Ion: 164 Resp: 94048

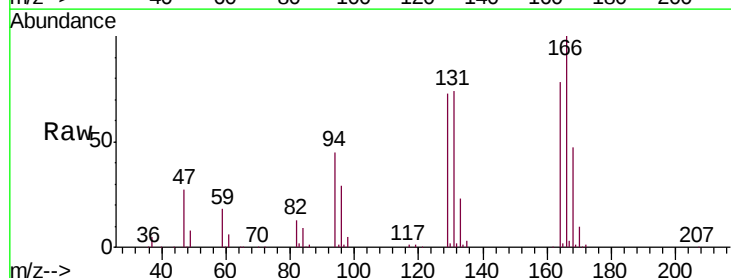
Ion Ratio Lower Upper

164 100

129 93.5 65.5 121.7

131 94.0 63.3 117.7

166 127.6 88.2 163.8



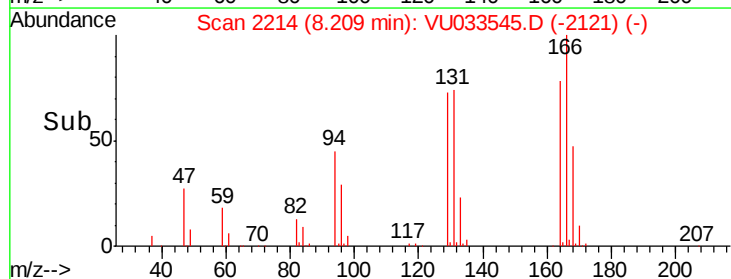
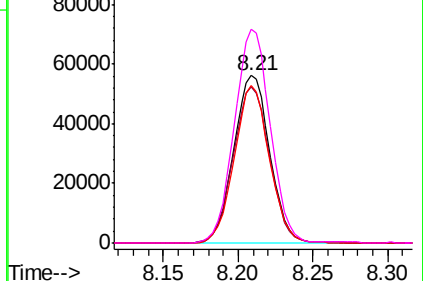
Abundance

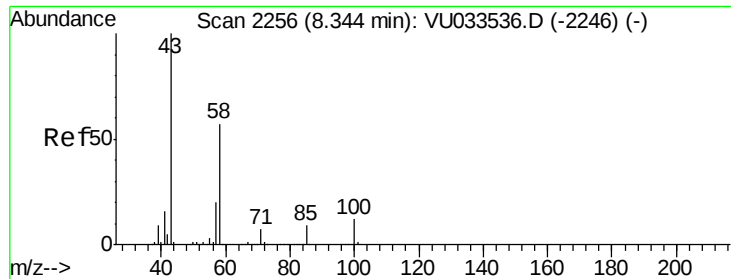
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

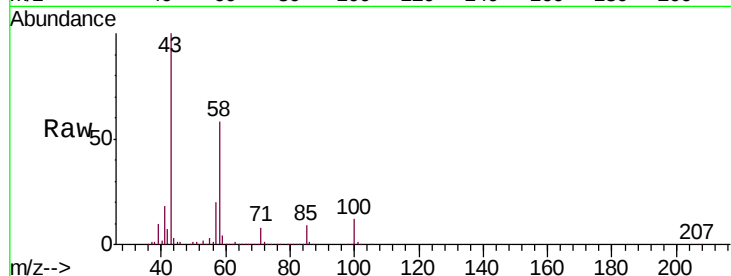




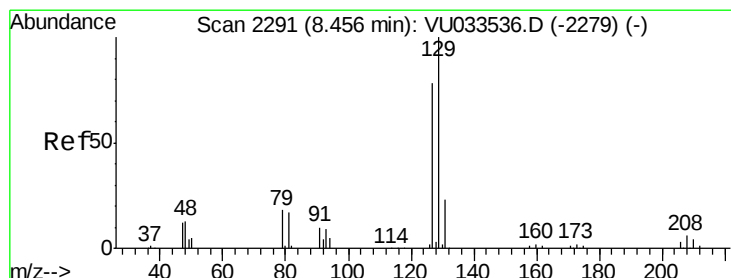
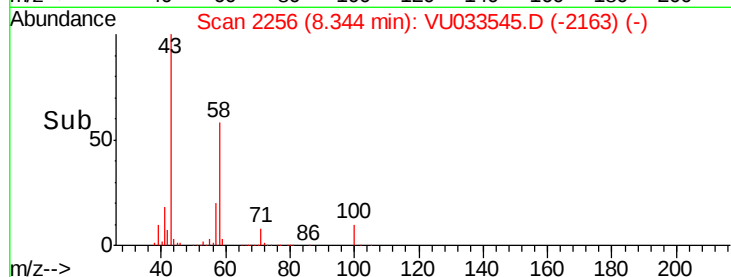
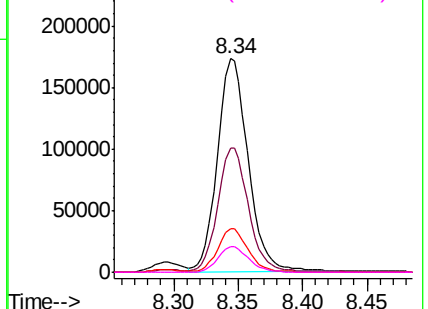
#48
2-Hexanone
Concen: 109.570 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033545.D
Acq: 01 Aug 2019 13:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

Tgt Ion:	43	Resp:	285455
Ion	Ratio	Lower	Upper
43	100		
58	57.9	45.8	68.6
57	20.2	15.8	23.6
100	12.0	9.4	14.2

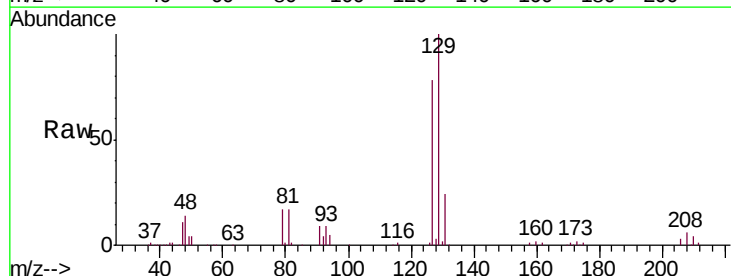


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

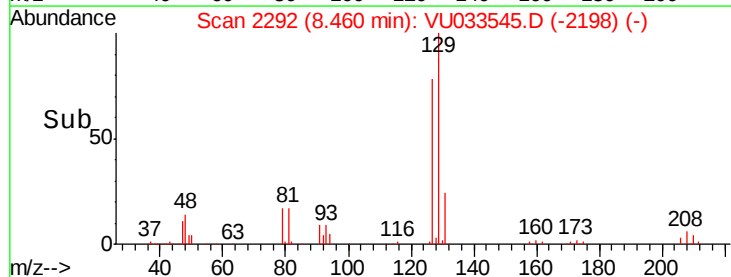
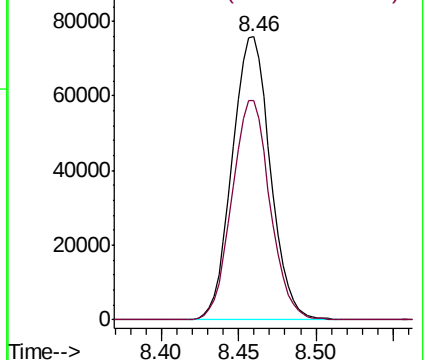


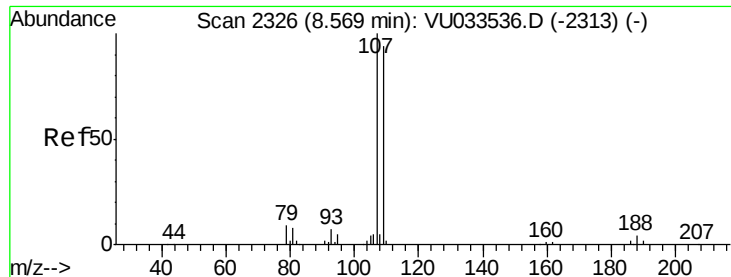
#49
Dibromochloromethane
Concen: 51.637 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033545.D
Acq: 01 Aug 2019 13:34

Tgt Ion:	129	Resp:	130195
Ion	Ratio	Lower	Upper
129	100		
127	77.5	53.8	99.8



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

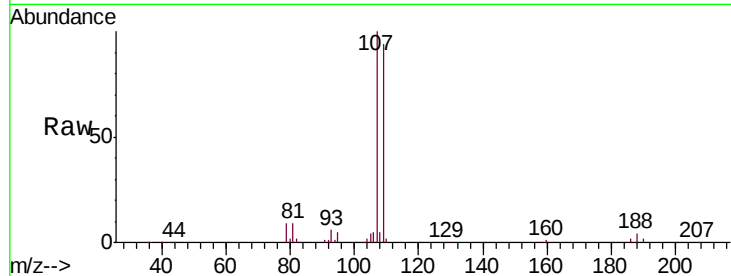




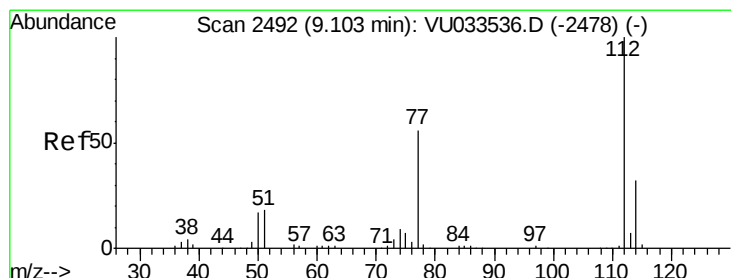
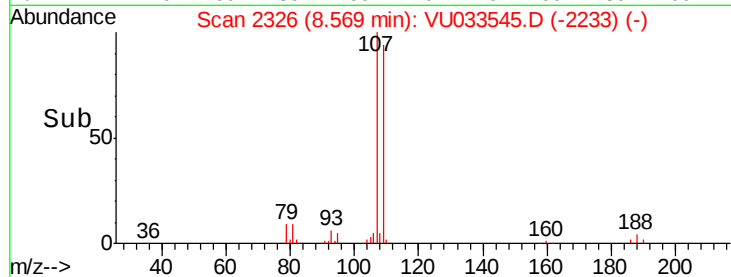
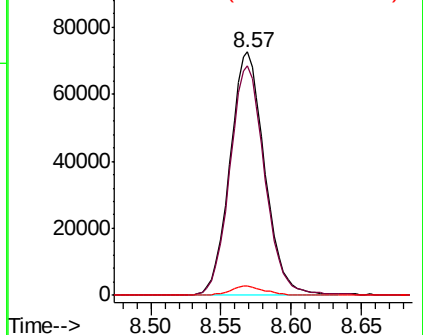
#50
1,2-Dibromoethane
Concen: 51.036 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU033545.D
Acq: 01 Aug 2019 13:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	66.8	124.0
188	3.7	3.0	4.4

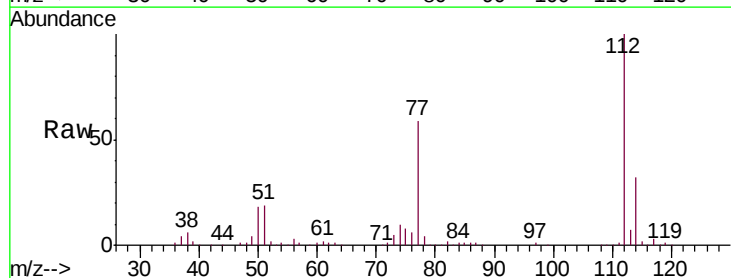


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

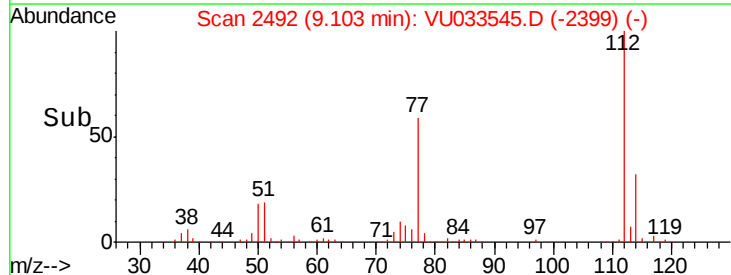
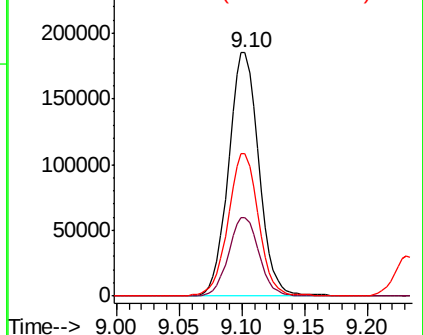


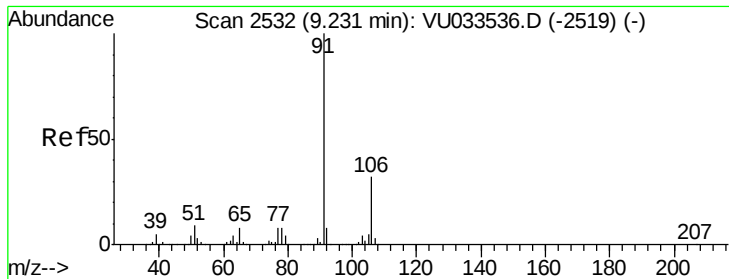
#51
Chlorobenzene
Concen: 50.584 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033545.D
Acq: 01 Aug 2019 13:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.3	41.5
77	58.6	45.6	68.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 51.740 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

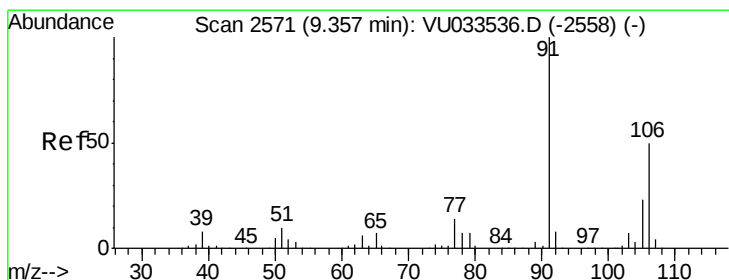
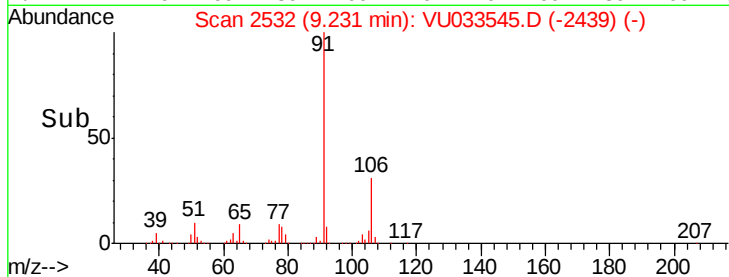
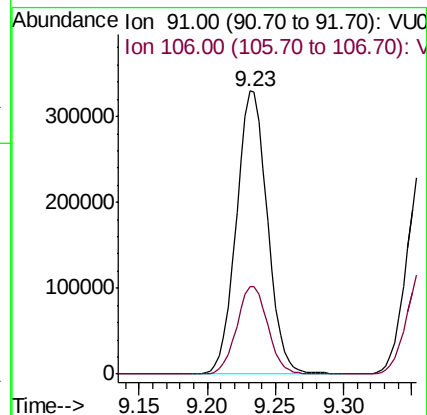
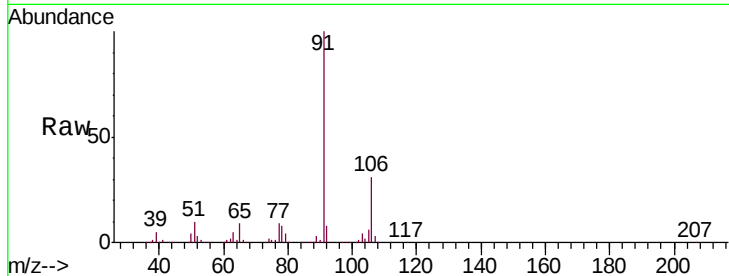
VSTD05044

Tgt Ion: 91 Resp: 522469

Ion Ratio Lower Upper

91 100

106 31.1 22.2 41.2



#53

m,p-Xylene

Concen: 51.787 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033545.D

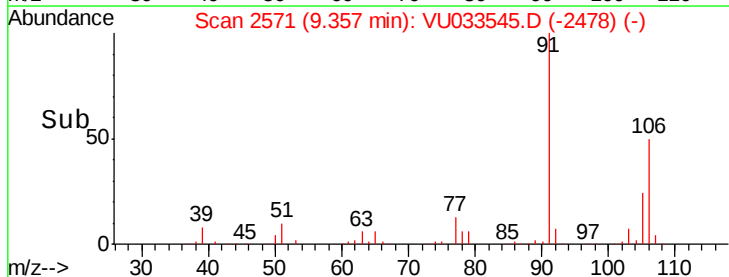
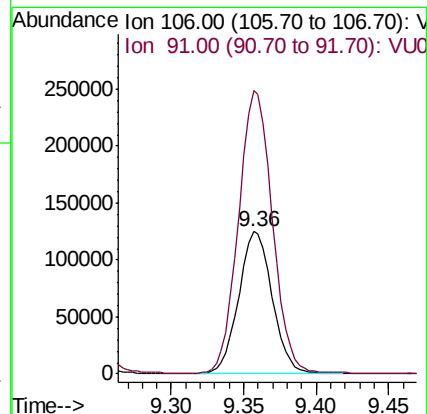
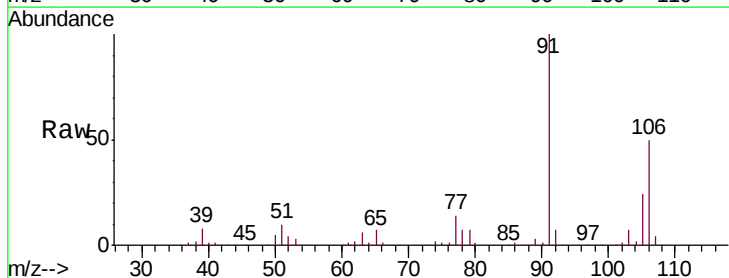
Acq: 01 Aug 2019 13:34

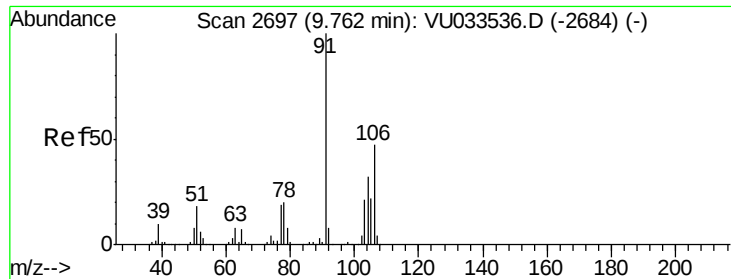
Tgt Ion: 106 Resp: 200757

Ion Ratio Lower Upper

106 100

91 198.6 143.0 265.6





#54

o-xylene

Concen: 52.229 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

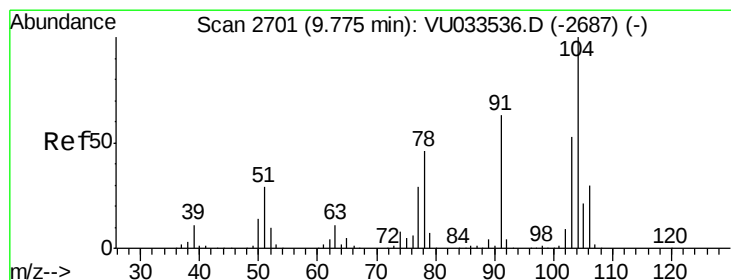
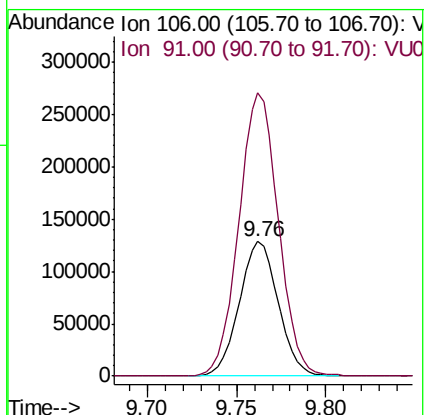
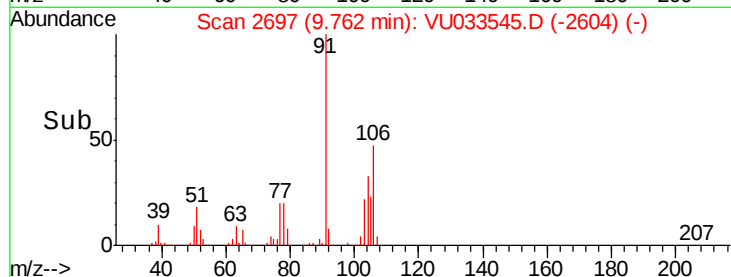
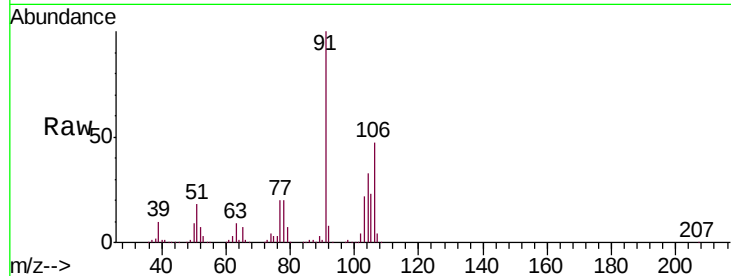
VSTD05044

Tgt Ion:106 Resp: 196408

Ion Ratio Lower Upper

106 100

91 210.6 148.4 275.6



#55

Styrene

Concen: 54.086 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033545.D

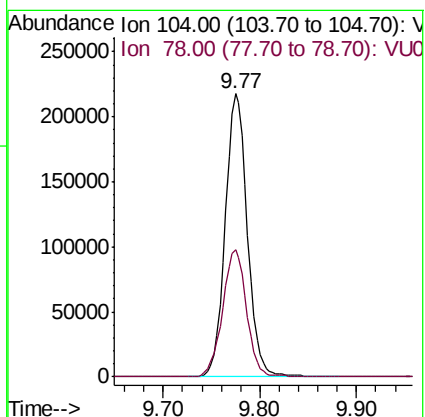
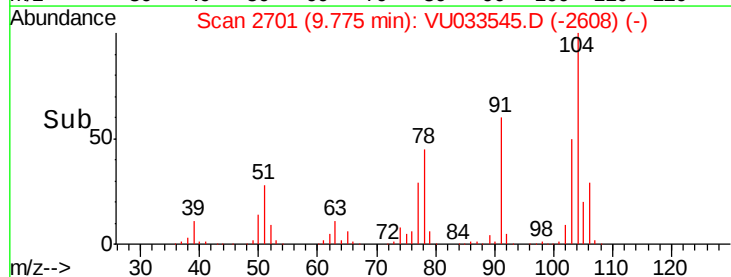
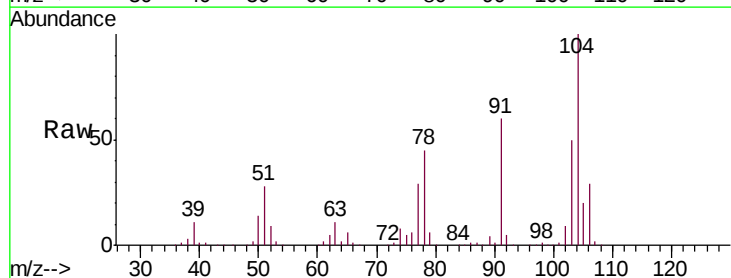
Acq: 01 Aug 2019 13:34

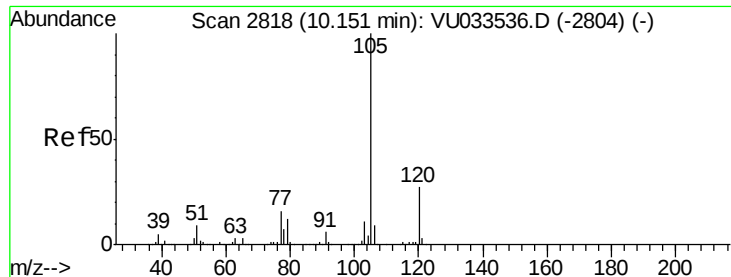
Tgt Ion:104 Resp: 345437

Ion Ratio Lower Upper

104 100

78 44.9 32.2 59.8





#56

Isopropylbenzene

Concen: 52.022 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

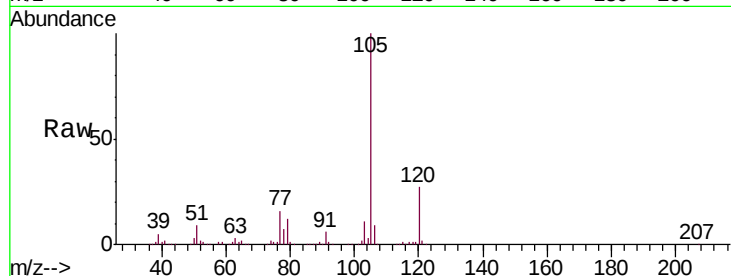
Tgt Ion:105 Resp: 511144

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

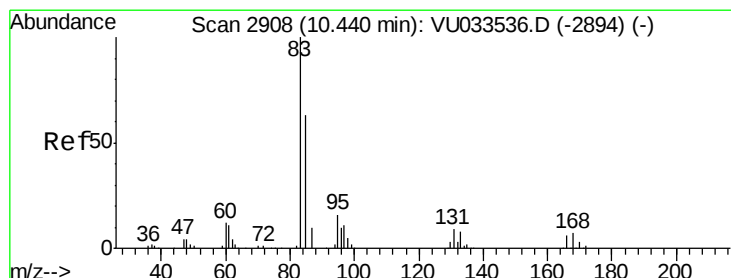
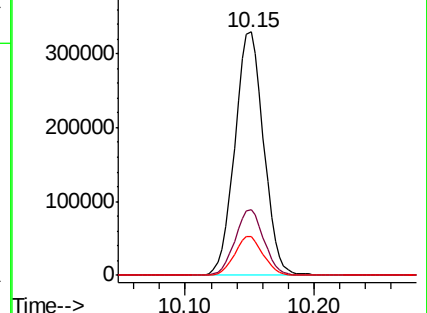
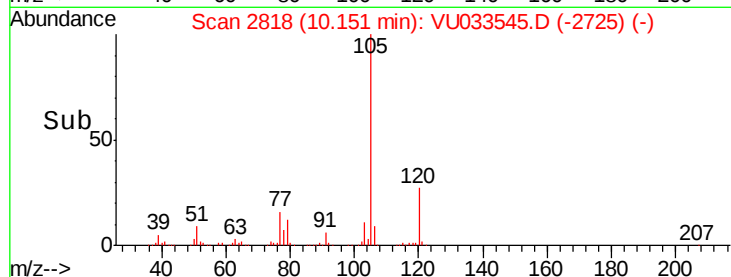
77 15.8 12.5 18.7



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: 51.820 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

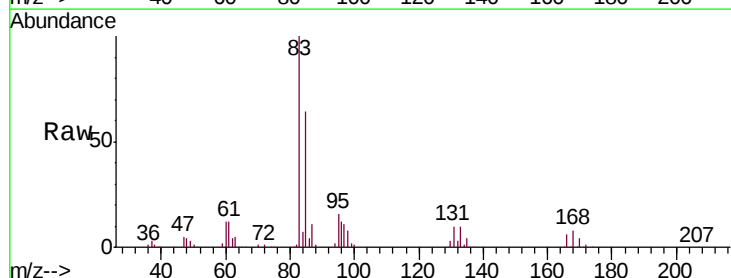
Tgt Ion: 83 Resp: 207132

Ion Ratio Lower Upper

83 100

85 63.9 45.4 84.4

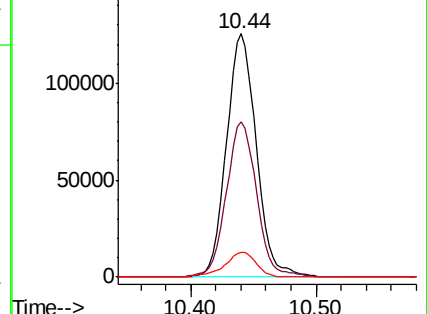
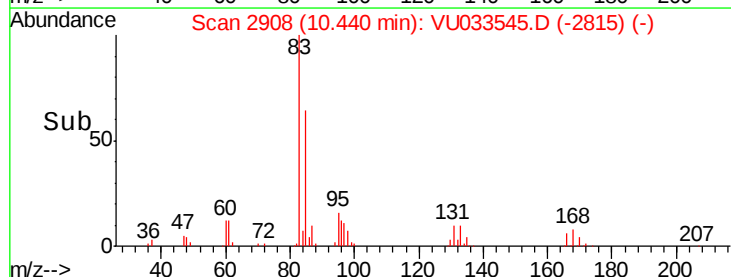
131 10.0 7.9 11.9

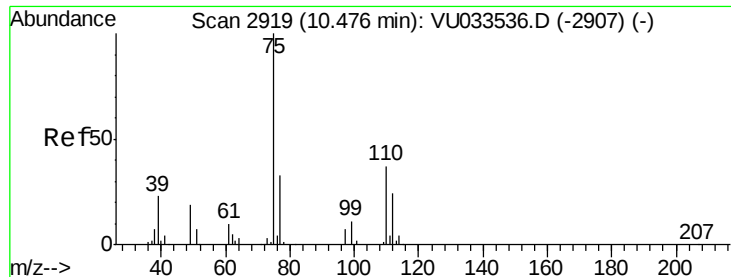


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

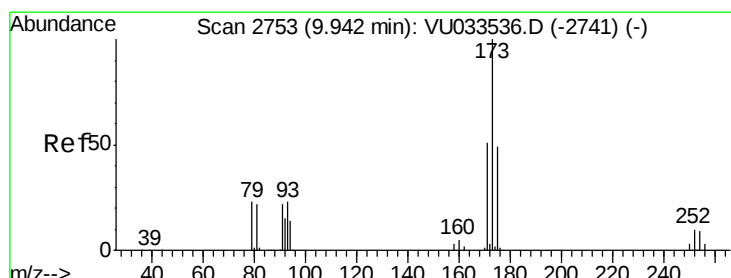
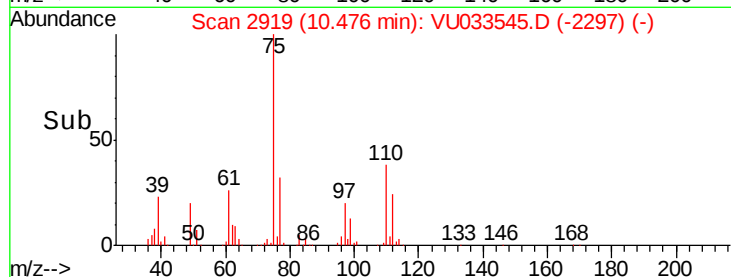
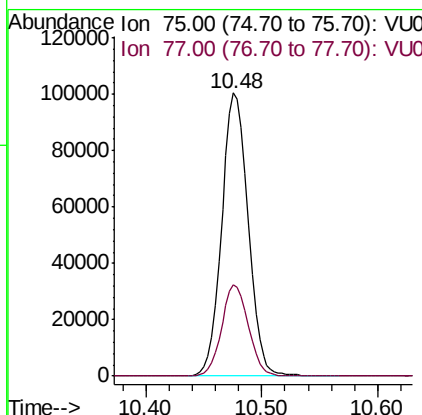
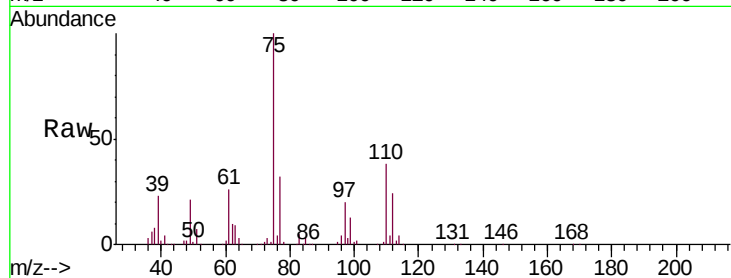




#59
 1,2,3-Trichloropropane
 Concen: 51.810 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VU033545.D
 Acq: 01 Aug 2019 13:34

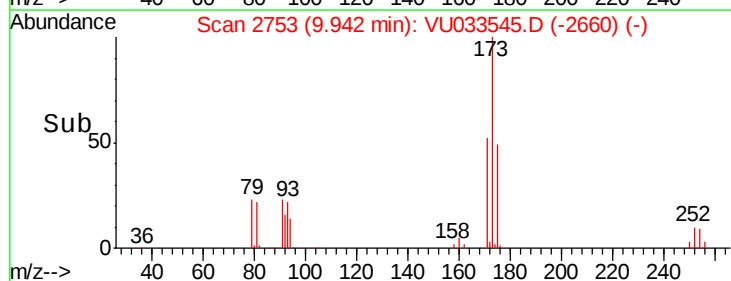
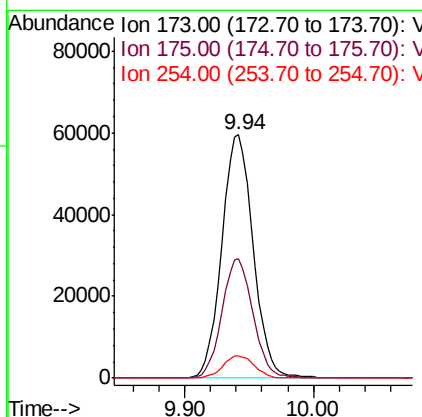
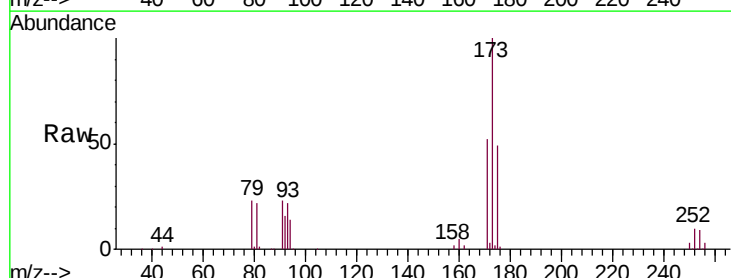
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

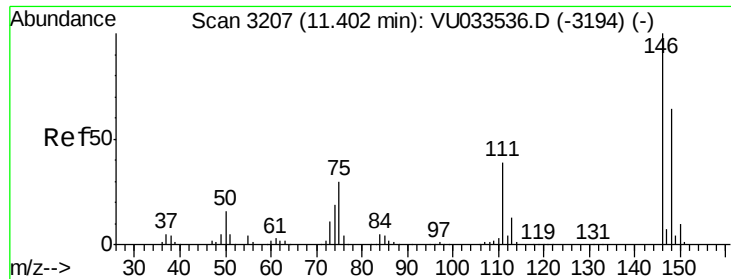
Tgt Ion: 75 Resp: 159642
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.8 38.6



#61
 Bromoform
 Concen: 50.975 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. -0.00 min
 Lab File: VU033545.D
 Acq: 01 Aug 2019 13:34

Tgt Ion: 173 Resp: 100611
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.7 58.1
 254 9.2 7.5 11.3

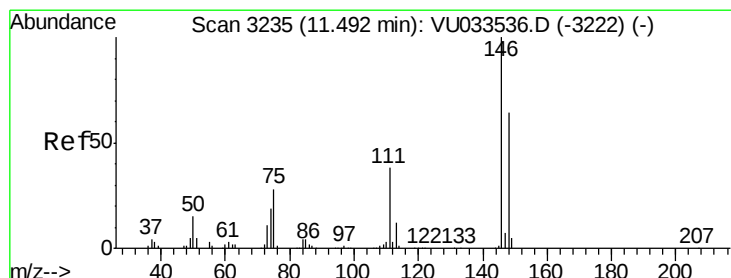
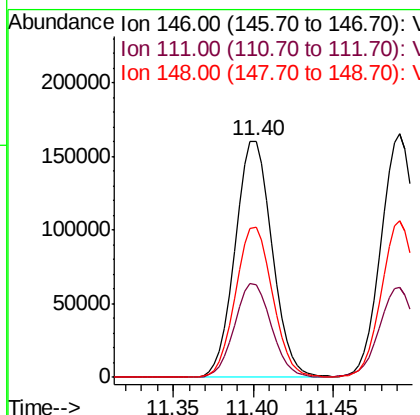
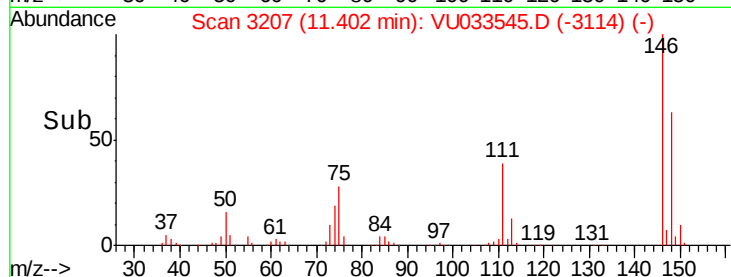
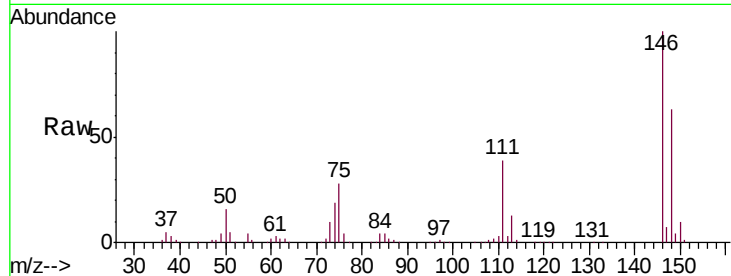




#62
 1,3-Dichlorobenzene
 Concen: 50.405 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU033545.D
 Acq: 01 Aug 2019 13:34

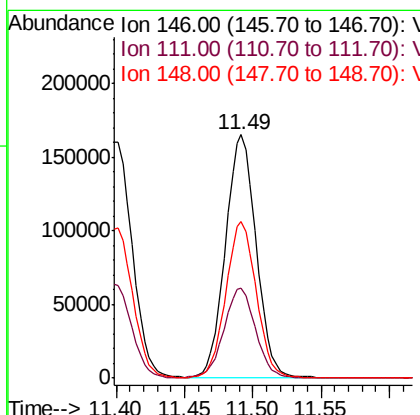
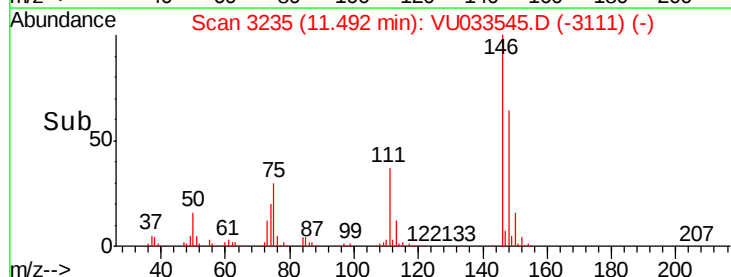
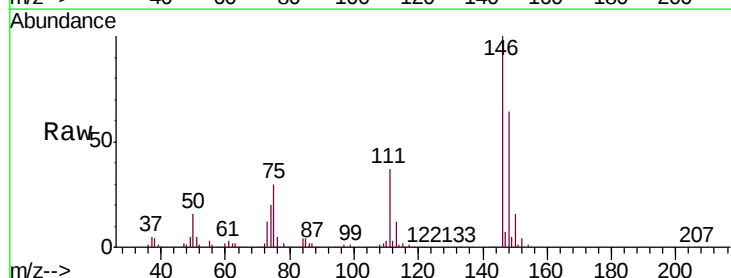
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

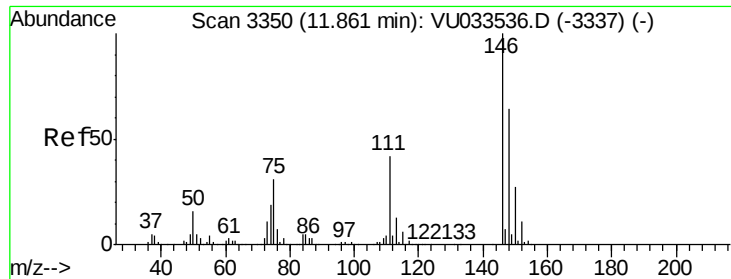
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	28.1	52.1
148	63.3	45.0	83.6



#63
 1,4-Dichlorobenzene
 Concen: 49.432 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033545.D
 Acq: 01 Aug 2019 13:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	27.2	50.4
148	64.2	44.5	82.7





#65

1,2-Dichlorobenzene

Concen: 50.238 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

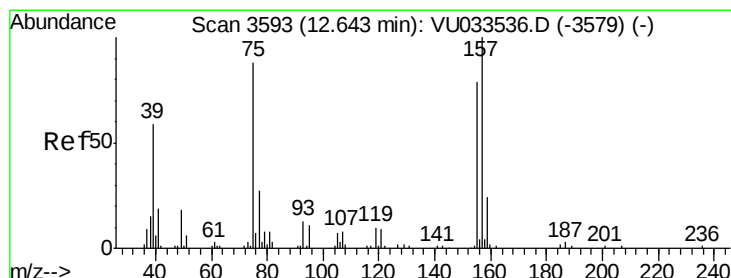
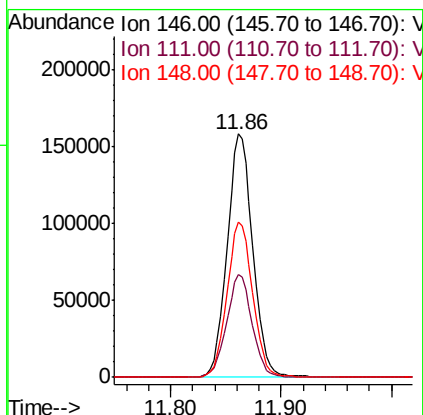
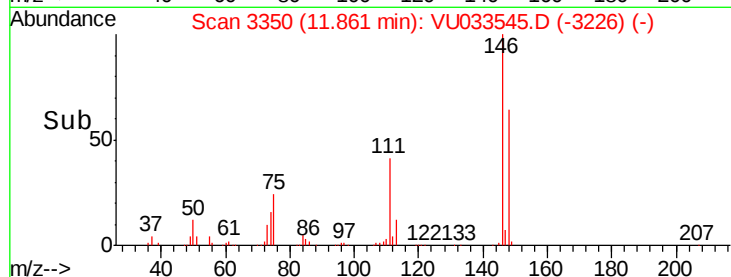
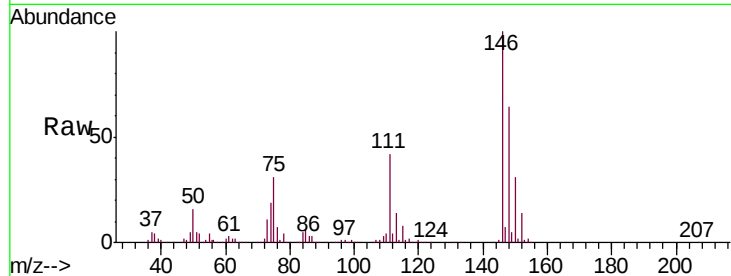
Tgt Ion: 146 Resp: 254894

Ion Ratio Lower Upper

146 100

111 42.1 31.7 47.5

148 63.6 50.3 75.5



#66

1,2-Dibromo-3-chloropropane

Concen: 50.535 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

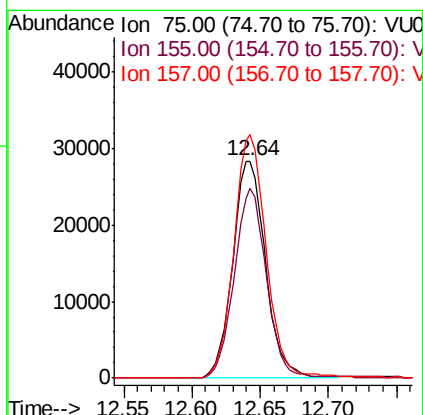
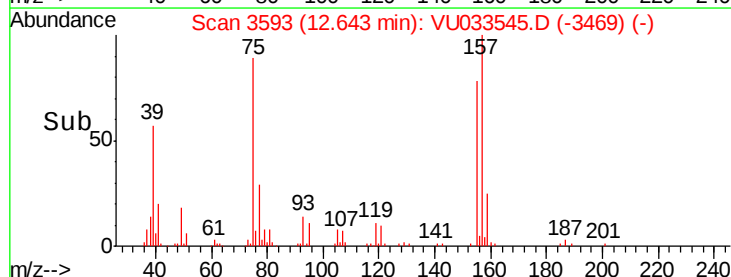
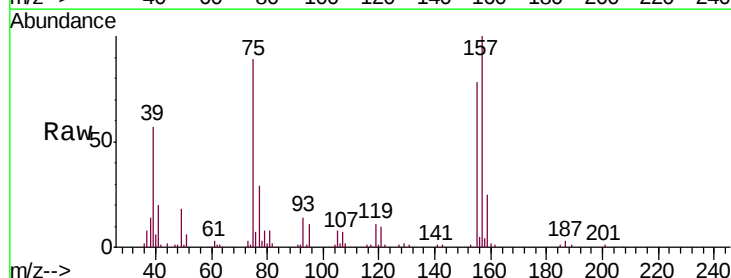
Tgt Ion: 75 Resp: 47372

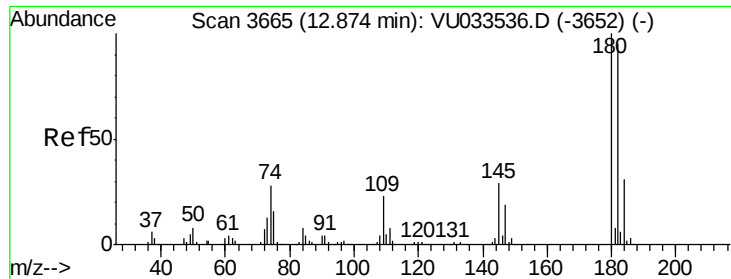
Ion Ratio Lower Upper

75 100

155 87.5 69.4 104.0

157 112.1 91.8 137.8

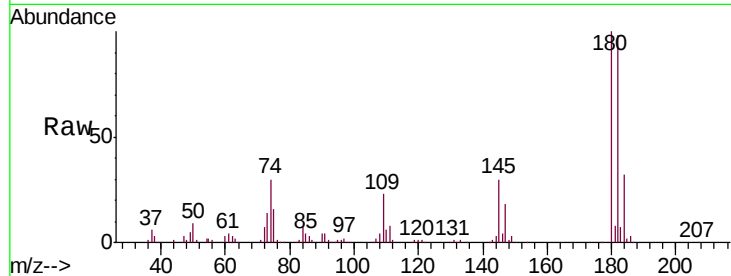




#67
 1,3,5-Trichlorobenzene
 Concen: 47.914 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033545.D
 Acq: 01 Aug 2019 13:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.6	113.4
184	31.4	24.2	36.2
145	28.9	22.7	34.1



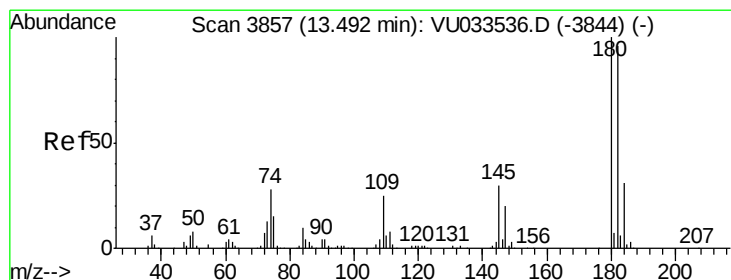
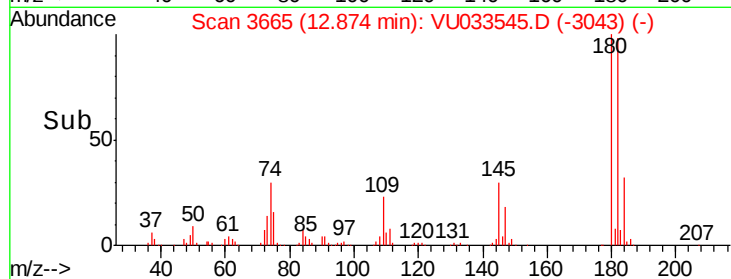
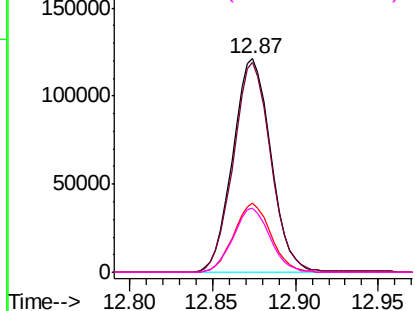
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

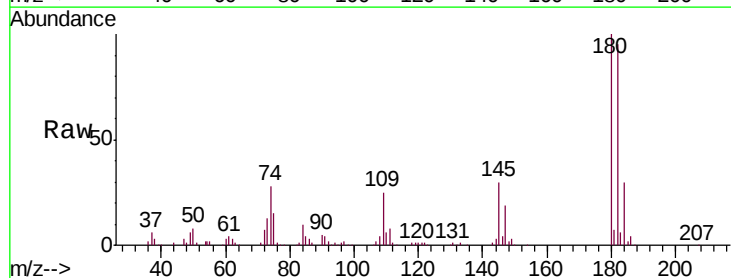
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.168 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033545.D
 Acq: 01 Aug 2019 13:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.8	113.8
145	30.1	24.3	36.5

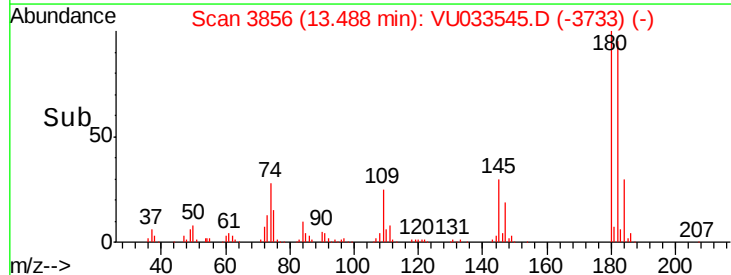
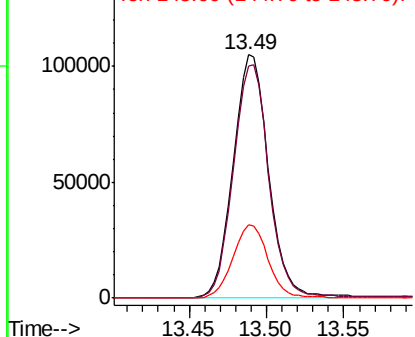


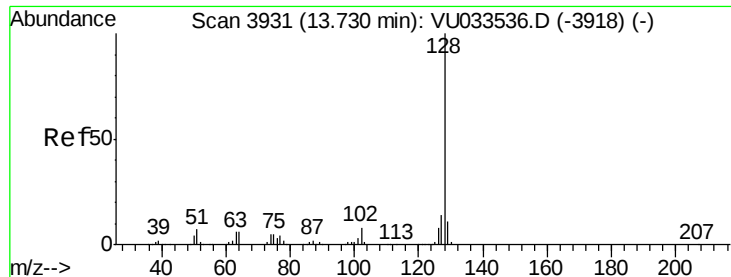
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 50.008 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

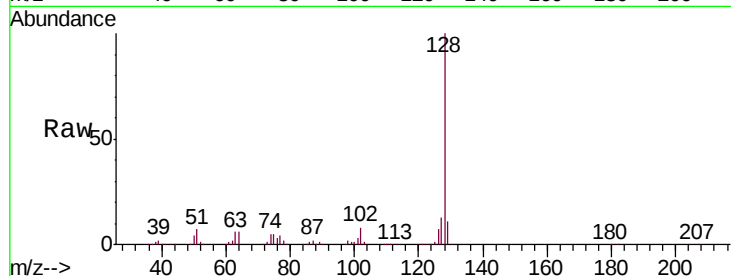
Tgt Ion:128 Resp: 496307

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

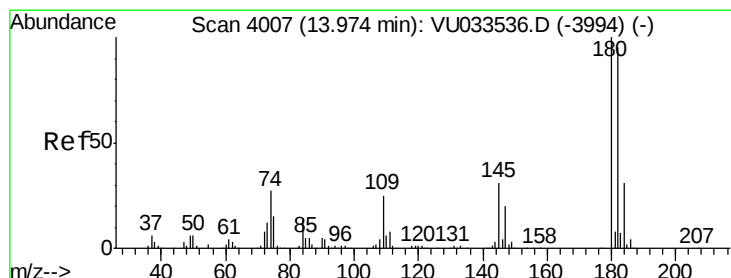
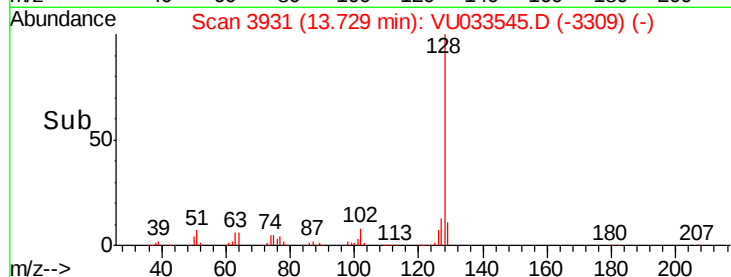
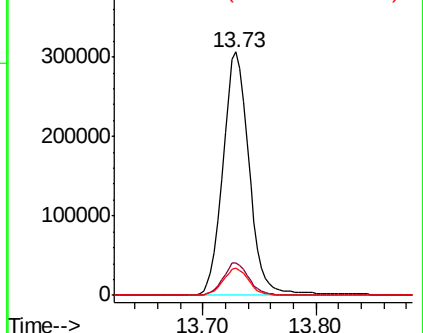
129 10.9 8.7 13.1



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: 49.116 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033545.D

Acq: 01 Aug 2019 13:34

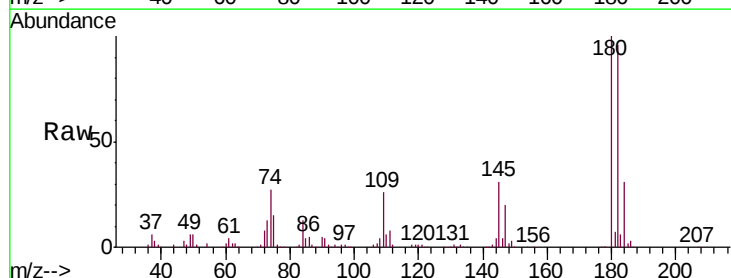
Tgt Ion:180 Resp: 178684

Ion Ratio Lower Upper

180 100

182 96.1 75.5 113.3

145 31.1 24.4 36.6



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

