

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080619\
 Data File : VU033602.D
 Acq On : 06 Aug 2019 08:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Aug 07 05:23:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	318303	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	319203	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	171937	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	90502	44.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.98%
7) Chloroethane-d5	1.67	69	102559	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.46%
11) 1,1-Dichloroethene-d2	2.26	63	184795	46.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.82%
21) 2-Butanone-d5	4.16	46	160151	97.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.18%
24) Chloroform-d	4.62	84	189292	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.76%
26) 1,2-Dichloroethane-d4	5.29	65	116442	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
32) Benzene-d6	5.32	84	360102	46.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.26%
36) 1,2-Dichloropropane-d6	6.31	67	116641	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.38%
41) Toluene-d8	7.55	98	342761	47.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.38%
43) trans-1,3-Dichloropropene-	7.83	79	57746	46.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.94%
47) 2-Hexanone-d5	8.30	63	114758	93.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.92%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	186188	48.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.38%
64) 1,2-Dichlorobenzene-d4	11.85	152	143097	46.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	138831	51.005	ug/L 100
3) Chloromethane	1.32	50	142929	48.451	ug/L 99
5) Vinyl chloride	1.40	62	156542	48.500	ug/L 98
6) Bromomethane	1.62	94	114023	44.225	ug/L 99
8) Chloroethane	1.69	64	121125	47.722	ug/L 99
9) Trichlorofluoromethane	1.87	101	213470	50.712	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	110461	51.667	ug/L 99
12) 1,1-Dichloroethene	2.27	96	102615	49.359	ug/L 98
13) Acetone	2.32	43	200407	122.095	ug/L 98
14) Carbon disulfide	2.46	76	316457	49.107	ug/L 99
15) Methyl Acetate	2.60	43	129411	48.285	ug/L 99
16) Methylene chloride	2.68	84	121215	49.977	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	107815	48.611	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	334413	48.687	ug/L 99
19) 1,1-Dichloroethane	3.42	63	207178	49.627	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	120959	49.444	ug/L 96
22) 2-Butanone	4.24	43	222050	107.702	ug/L 98

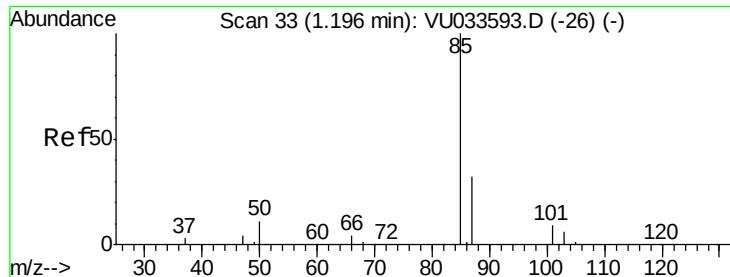
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080619\
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 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	63238	49.433	ug/L	98
25) Chloroform	4.65	83	216738	50.245	ug/L	100
27) 1,2-Dichloroethane	5.38	62	166053	49.272	ug/L	99
29) Cyclohexane	4.97	56	177452	48.812	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	181088	48.497	ug/L	100
31) Carbon tetrachloride	5.11	117	163677	49.937	ug/L	100
33) Benzene	5.37	78	462882	48.713	ug/L	100
34) Trichloroethene	6.16	95	119281	48.736	ug/L	99
35) Methylcyclohexane	6.40	83	196060	50.886	ug/L	99
37) 1,2-Dichloropropane	6.41	63	125938	48.526	ug/L	99
38) Bromodichloromethane	6.74	83	160436	49.045	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	190390	48.241	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	351614	94.676	ug/L	100
42) Toluene	7.62	91	505442	49.787	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	175043	49.291	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	117903	48.555	ug/L	99
46) Tetrachloroethene	8.21	164	101362	50.478	ug/L	99
48) 2-Hexanone	8.35	43	303244	102.246	ug/L	100
49) Dibromochloromethane	8.46	129	136352	49.963	ug/L	98
50) 1,2-Dibromoethane	8.57	107	130046	48.897	ug/L	98
51) Chlorobenzene	9.10	112	320426	48.337	ug/L	99
52) Ethylbenzene	9.23	91	542772	49.312	ug/L	99
53) m,p-Xylene	9.36	106	211101	50.362	ug/L	100
54) o-xylene	9.76	106	204854	49.893	ug/L	94
55) Styrene	9.77	104	359194	51.520	ug/L	98
56) Isopropylbenzene	10.15	105	536916	50.689	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	212648	48.974	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	163012	47.957	ug/L	100
61) Bromoform	9.94	173	105399	49.237	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	262846	48.726	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	272761	49.495	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	266423	49.520	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	48124	47.463	ug/L	95
67) 1,3,5-Trichlorobenzene	12.87	180	204844	49.322	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	171765	48.482	ug/L	99
69) Naphthalene	13.73	128	494712	48.048	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	179572	47.648	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 51.005 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

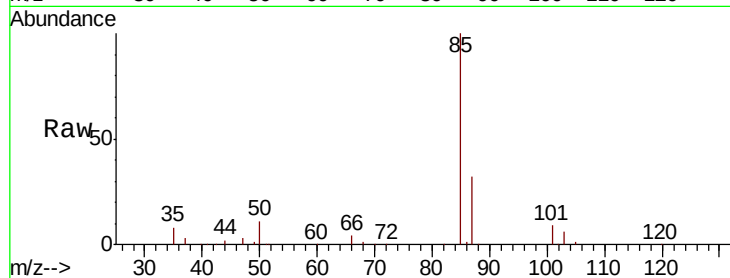
VSTD05049

Tgt Ion: 85 Resp: 138831

Ion Ratio Lower Upper

85 100

87 31.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU033593.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033593.D (-26) (-)

1.20

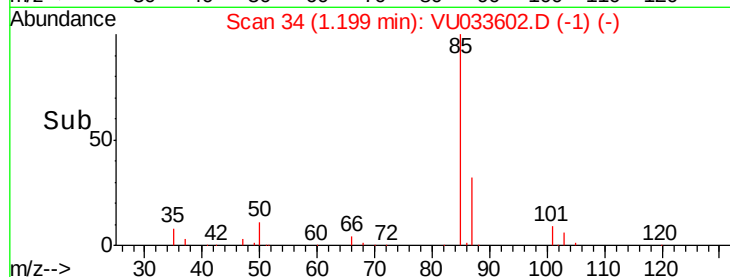
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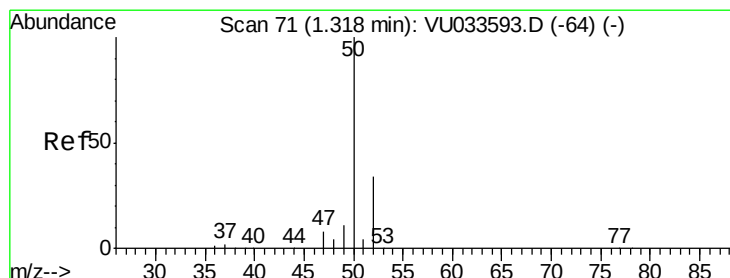
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 48.451 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033602.D

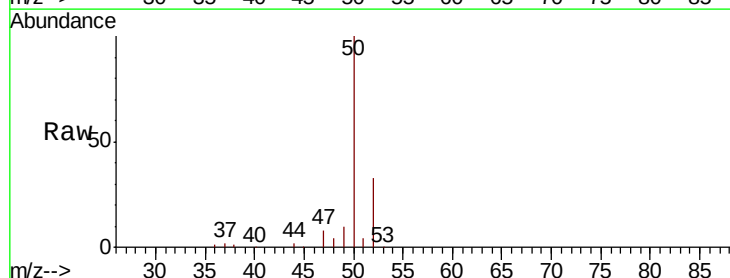
Acq: 06 Aug 2019 08:48

Tgt Ion: 50 Resp: 142929

Ion Ratio Lower Upper

50 100

52 33.1 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VU033593.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033593.D (-64) (-)

1.32

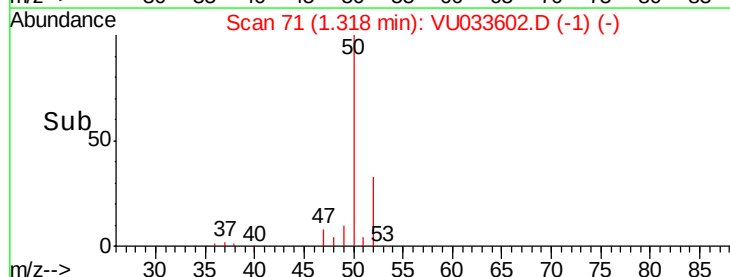
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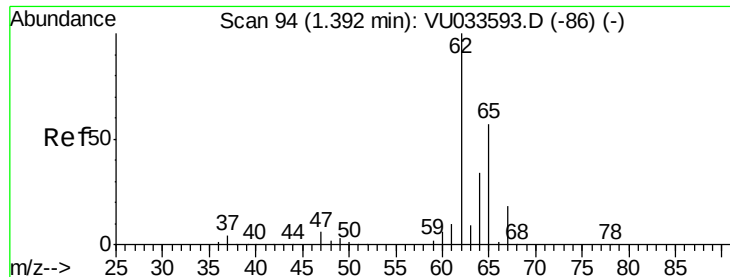
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 48.500 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

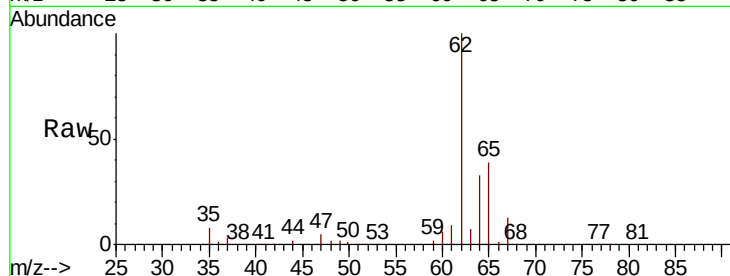
VSTD05049

Tgt Ion: 62 Resp: 156542

Ion Ratio Lower Upper

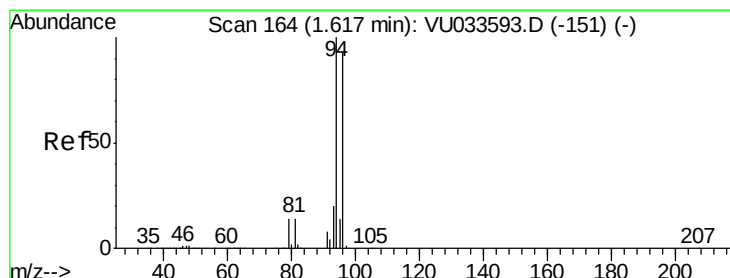
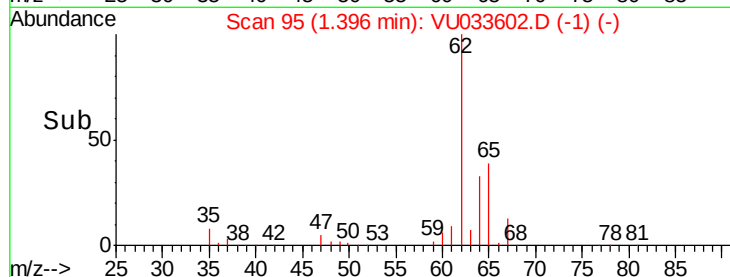
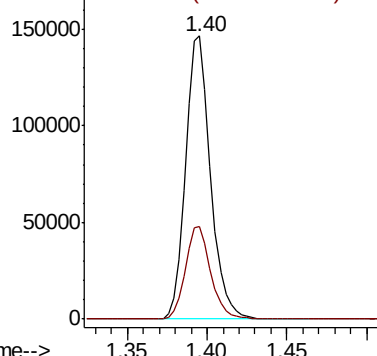
62 100

64 32.7 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 44.225 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033602.D

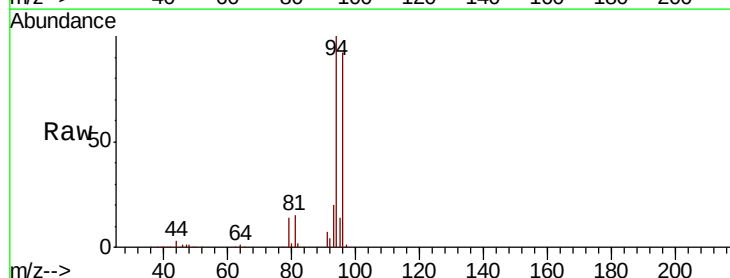
Acq: 06 Aug 2019 08:48

Tgt Ion: 94 Resp: 114023

Ion Ratio Lower Upper

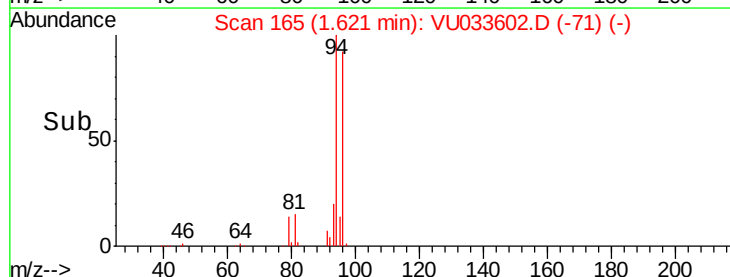
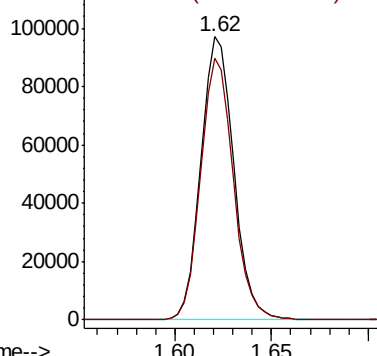
94 100

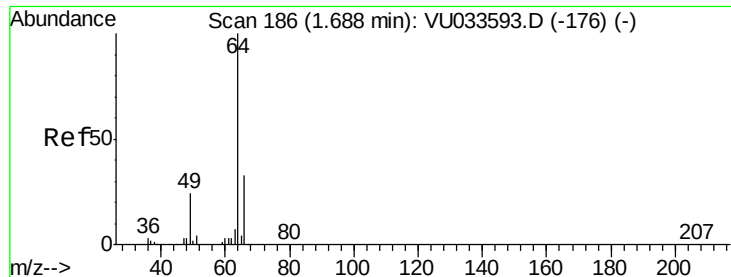
96 92.3 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 47.722 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

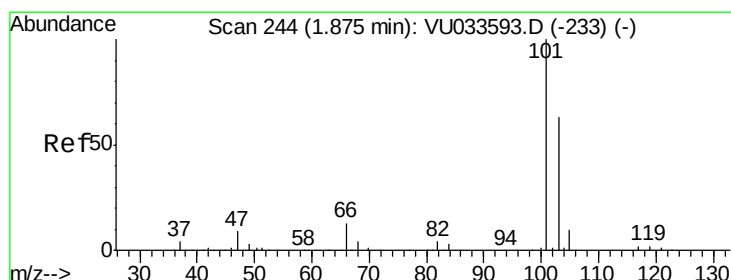
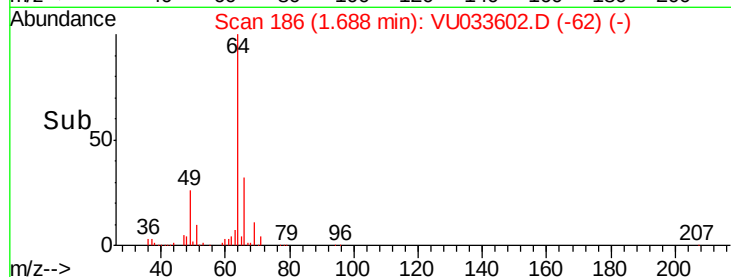
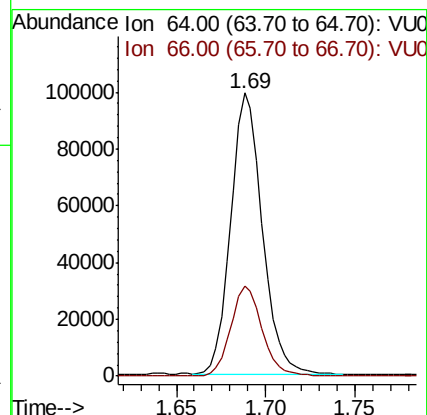
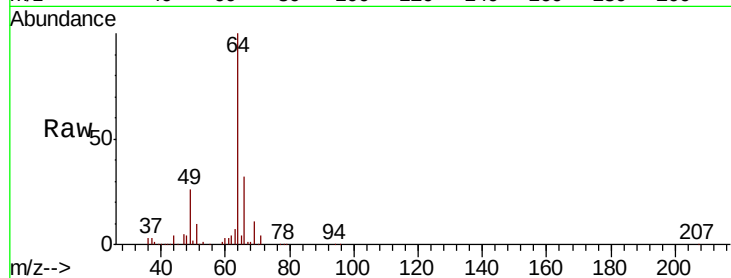
VSTD05049

Tgt Ion: 64 Resp: 121125

Ion Ratio Lower Upper

64 100

66 31.9 22.9 42.5



#9

Trichlorofluoromethane

Concen: 50.712 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033602.D

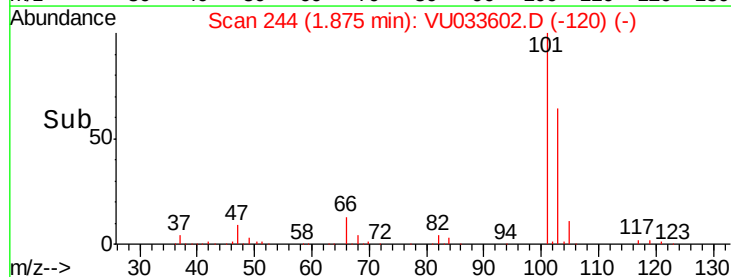
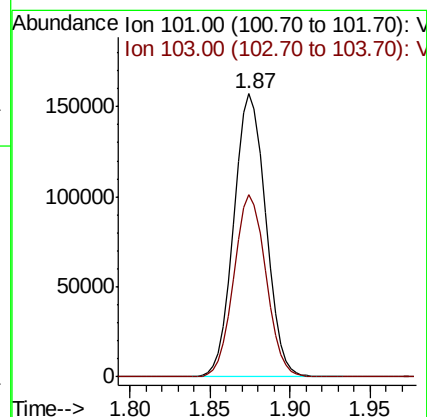
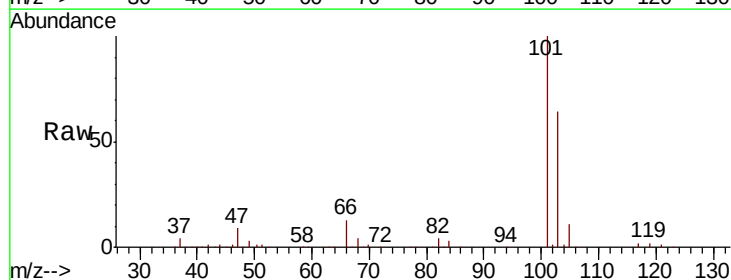
Acq: 06 Aug 2019 08:48

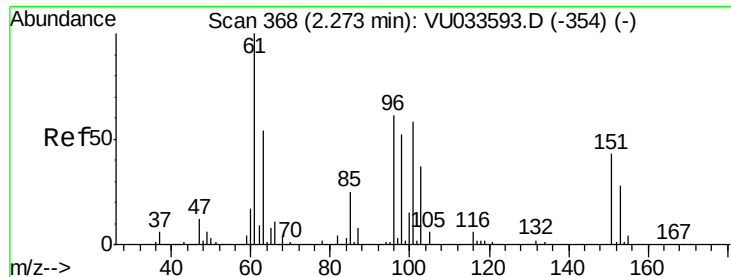
Tgt Ion: 101 Resp: 213470

Ion Ratio Lower Upper

101 100

103 64.6 51.0 76.4





#10

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

Concen: 51.667 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

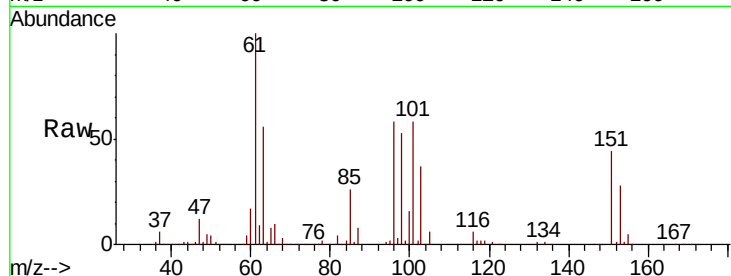
Tgt Ion: 101 Resp: 110461

Ion Ratio Lower Upper

101 100

85 44.2 34.3 51.5

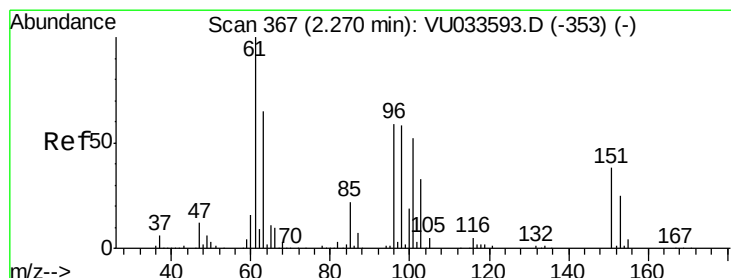
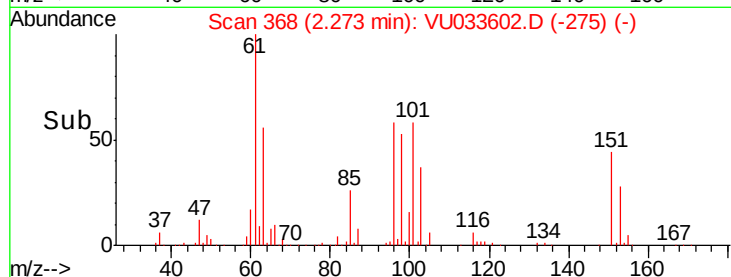
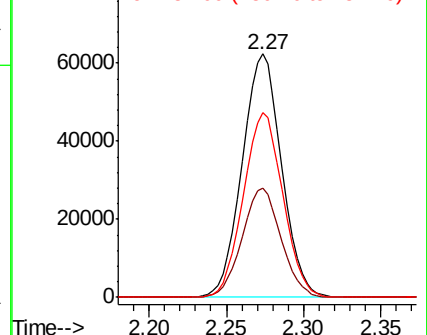
151 76.2 60.2 90.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.359 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

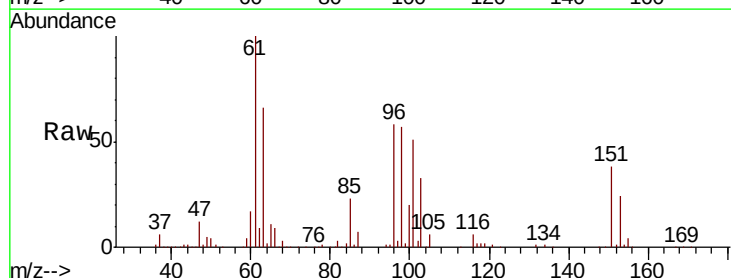
Tgt Ion: 96 Resp: 102615

Ion Ratio Lower Upper

96 100

61 172.8 119.1 221.3

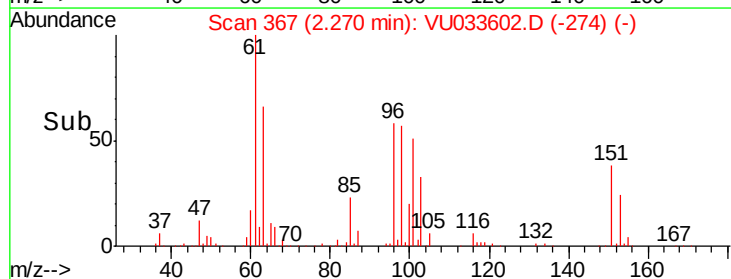
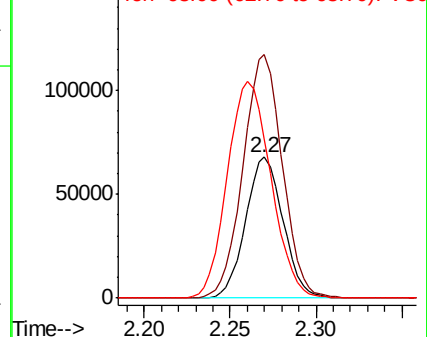
63 113.3 77.9 144.7

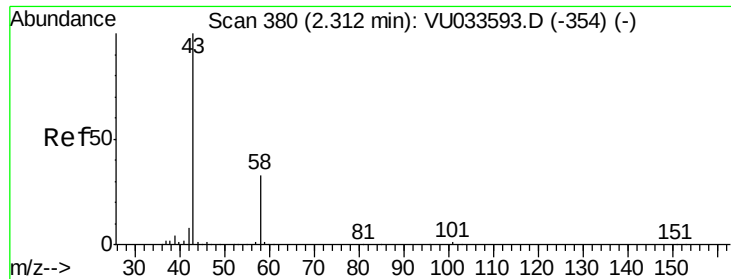


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 122.095 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

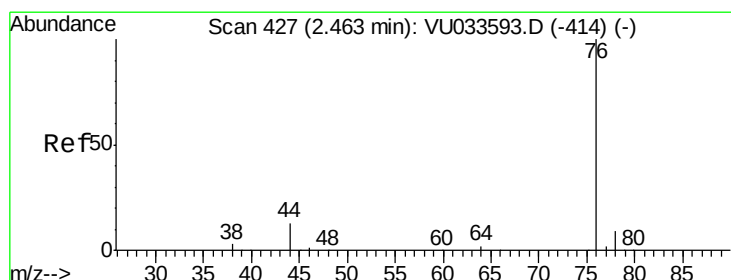
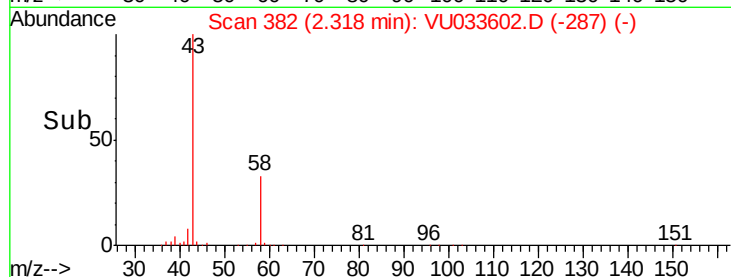
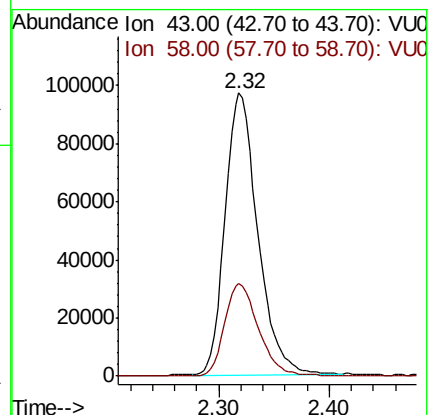
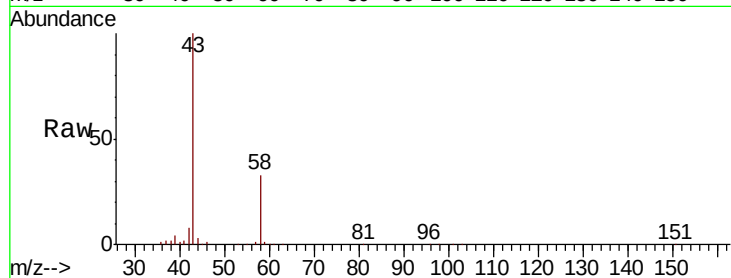
VSTD05049

Tgt Ion: 43 Resp: 200407

Ion Ratio Lower Upper

43 100

58 34.0 0.0 65.4



#14

Carbon disulfide

Concen: 49.107 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033602.D

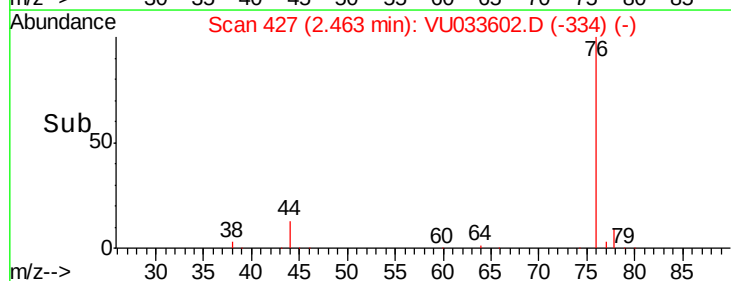
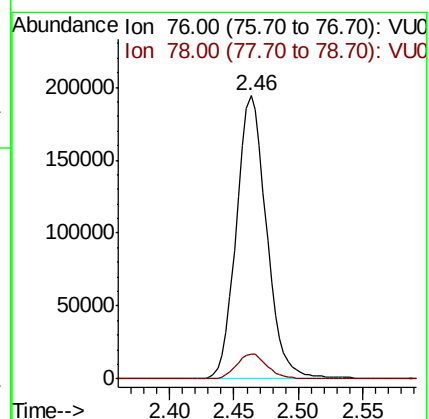
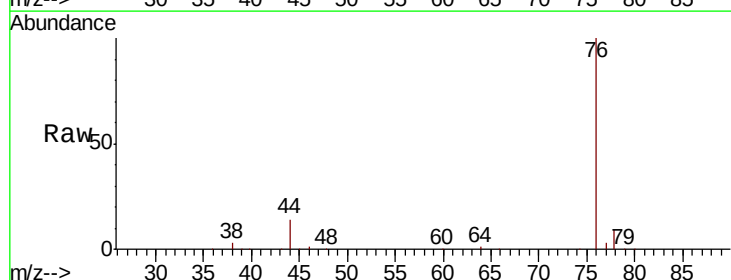
Acq: 06 Aug 2019 08:48

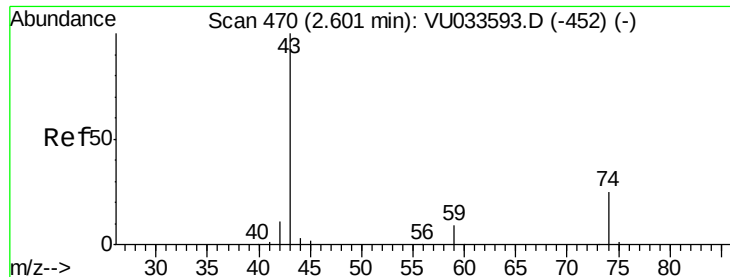
Tgt Ion: 76 Resp: 316457

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

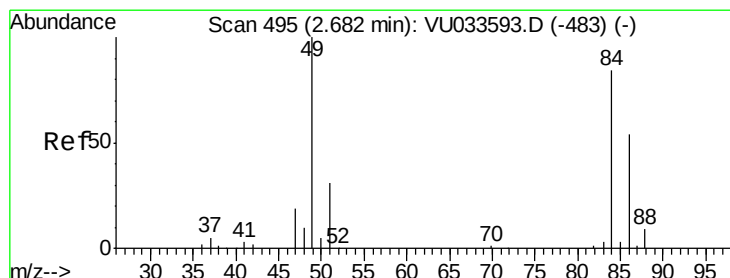
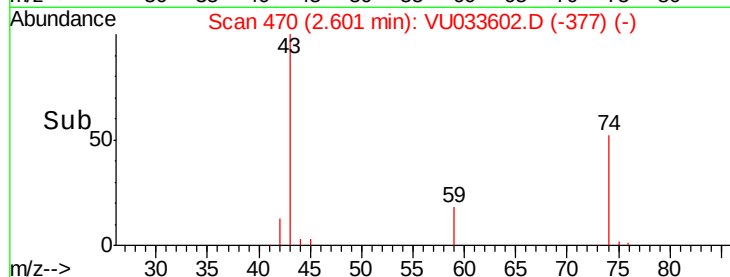
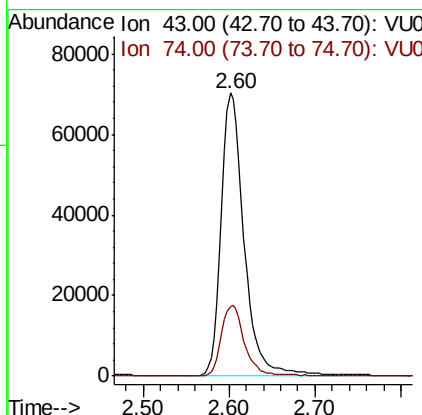
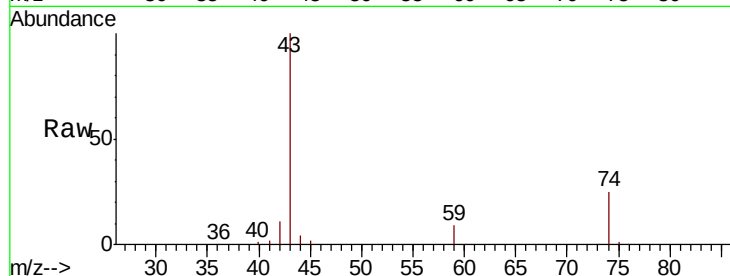




#15
Methyl Acetate
Concen: 48.285 ug/L
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU033602.D
Acq: 06 Aug 2019 08:48

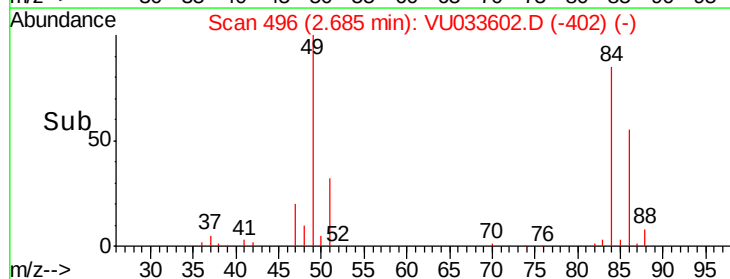
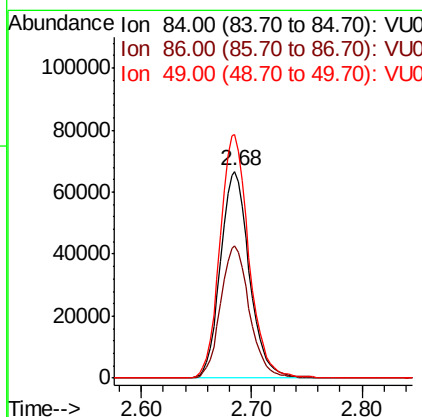
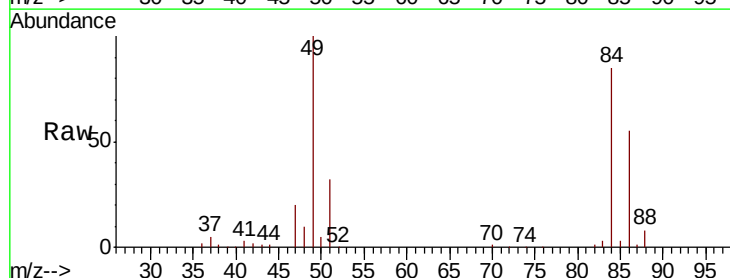
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

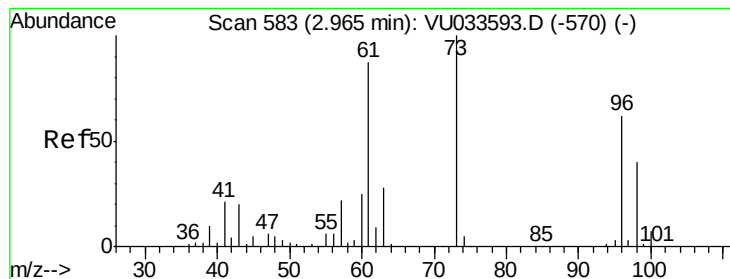
Tgt Ion: 43 Resp: 129411
Ion Ratio Lower Upper
43 100
74 25.4 19.8 29.6



#16
Methylene chloride
Concen: 49.977 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033602.D
Acq: 06 Aug 2019 08:48

Tgt Ion: 84 Resp: 121215
Ion Ratio Lower Upper
84 100
86 64.3 44.9 83.5
49 117.8 83.4 155.0





#17

trans-1,2-Dichloroethene

Concen: 48.611 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

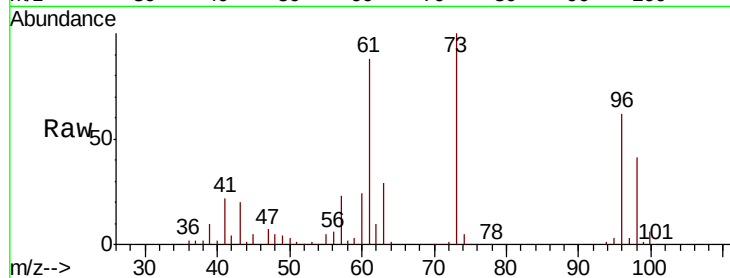
Tgt Ion: 96 Resp: 107815

Ion Ratio Lower Upper

96 100

61 142.2 98.8 183.4

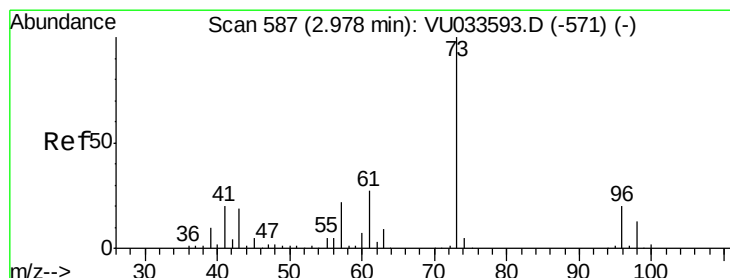
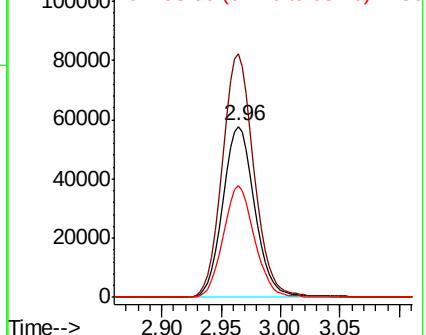
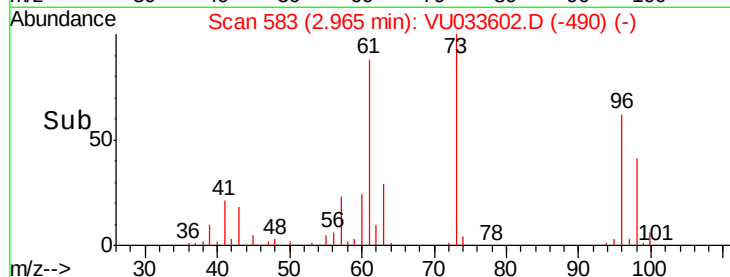
98 65.4 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU033602.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU033602.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU033602.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 48.687 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

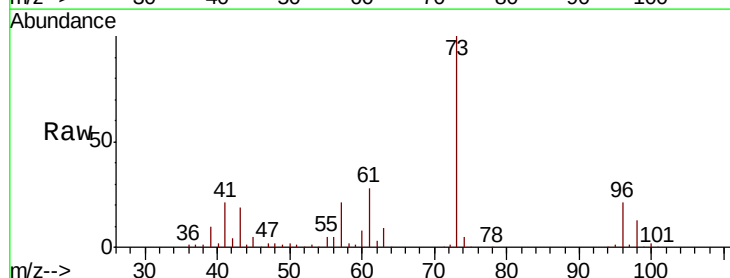
Tgt Ion: 73 Resp: 334413

Ion Ratio Lower Upper

73 100

43 19.1 15.8 23.6

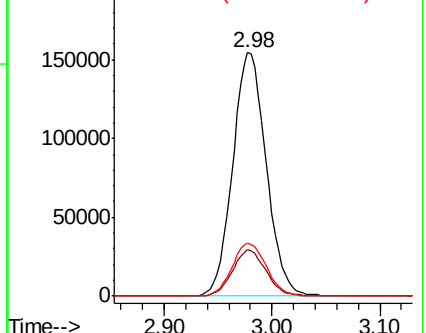
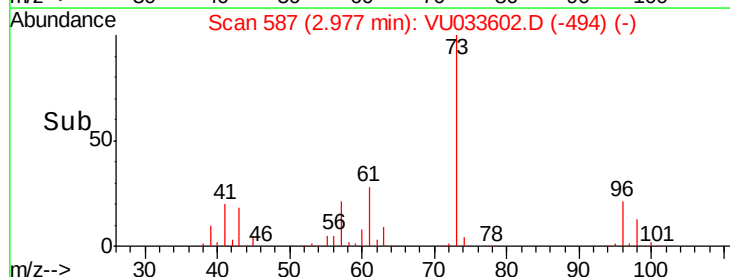
57 22.1 17.5 26.3

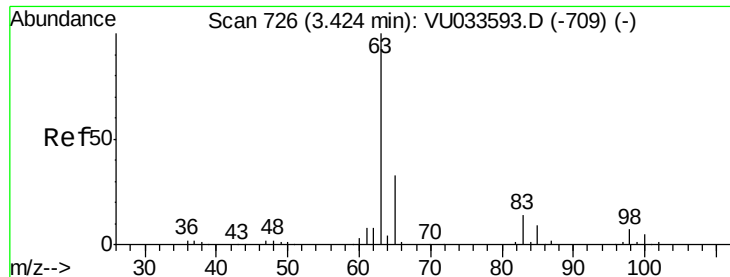


Abundance Ion 73.00 (72.70 to 73.70): VU033602.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU033602.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU033602.D (-494) (-)





#19

1,1-Dichloroethane

Concen: 49.627 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

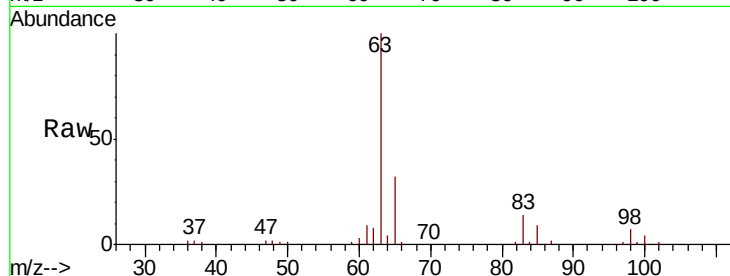
Tgt Ion: 63 Resp: 207178

Ion Ratio Lower Upper

63 100

65 32.1 22.9 42.5

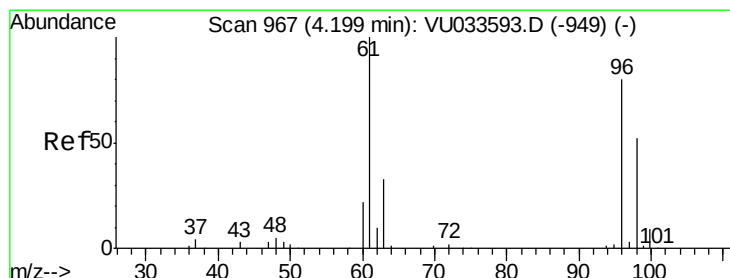
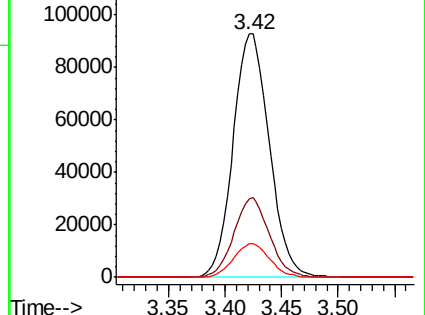
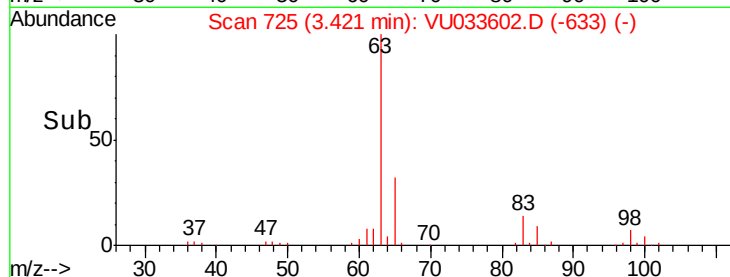
83 13.6 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VU033602.D (-633) (-)

Ion 65.00 (64.70 to 65.70): VU033602.D (-633) (-)

Ion 83.00 (82.70 to 83.70): VU033602.D (-633) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.444 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

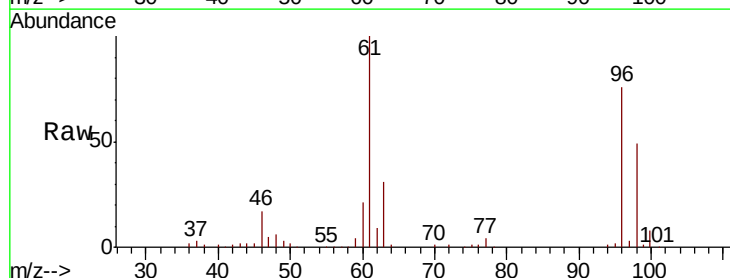
Tgt Ion: 96 Resp: 120959

Ion Ratio Lower Upper

96 100

61 130.8 88.2 163.8

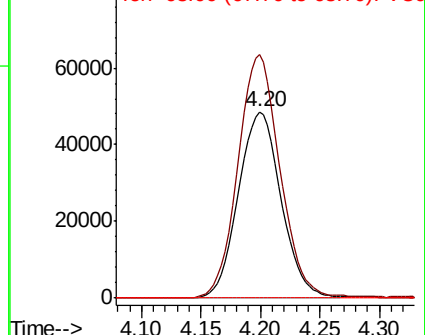
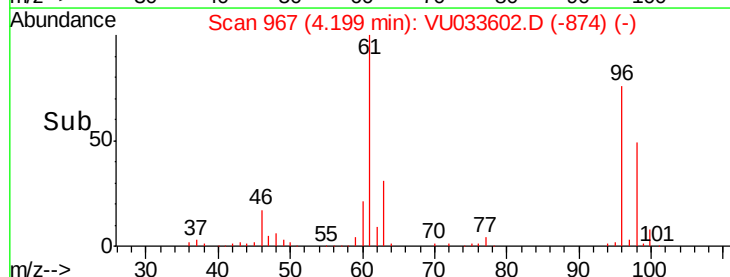
68 0.0 0.0 0.0

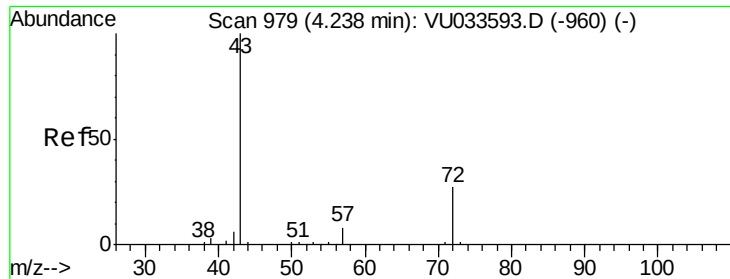


Abundance Ion 96.00 (95.70 to 96.70): VU033602.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU033602.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033602.D (-874) (-)





#22

2-Butanone

Concen: 107.702 ug/L

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

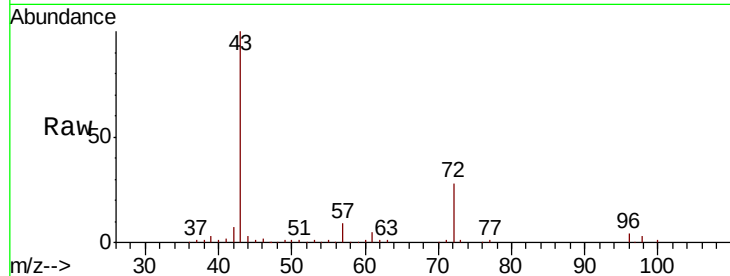
VSTD05049

Tgt Ion: 43 Resp: 222050

Ion Ratio Lower Upper

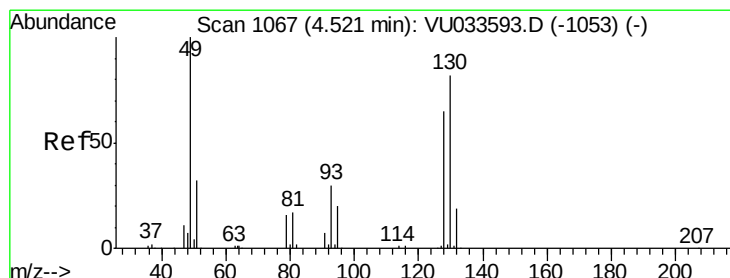
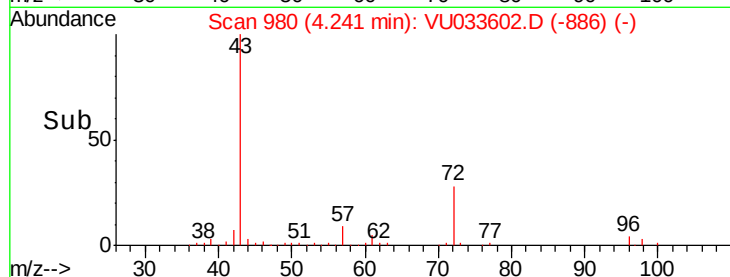
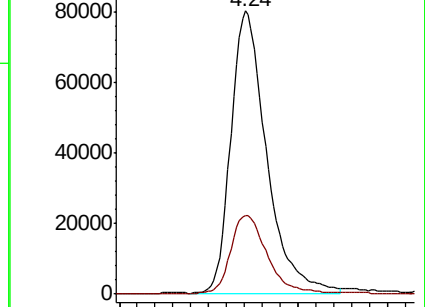
43 100

72 28.8 13.8 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU033593.D (-960) (-)

Ion 72.00 (71.70 to 72.70): VU033593.D (-960) (-)



#23

Bromochloromethane

Concen: 49.433 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Tgt Ion: 128 Resp: 63238

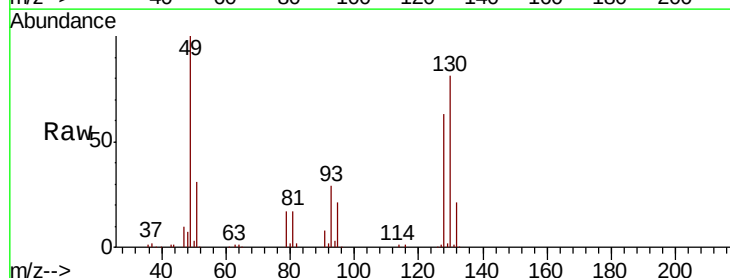
Ion Ratio Lower Upper

128 100

49 158.7 108.1 200.9

130 129.2 89.0 165.4

51 48.8 38.8 58.2

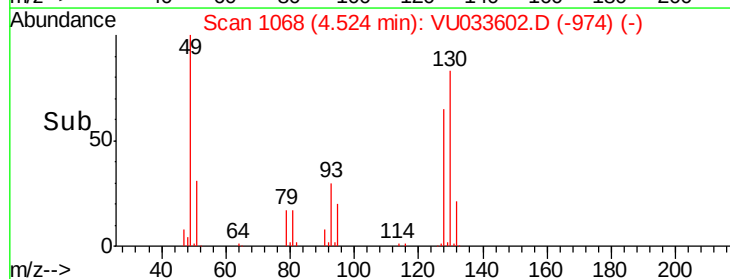
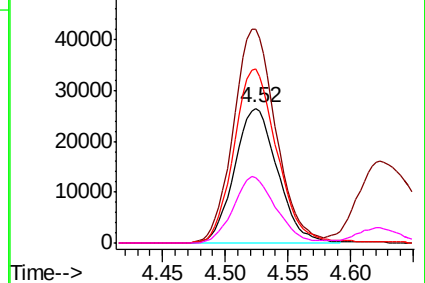


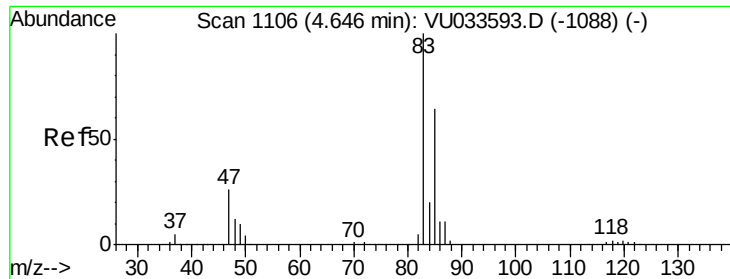
Abundance Ion 128.00 (127.70 to 128.70): VU033593.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU033593.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU033593.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU033593.D (-1053) (-)

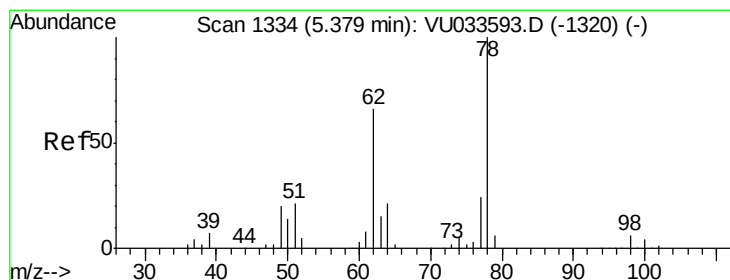
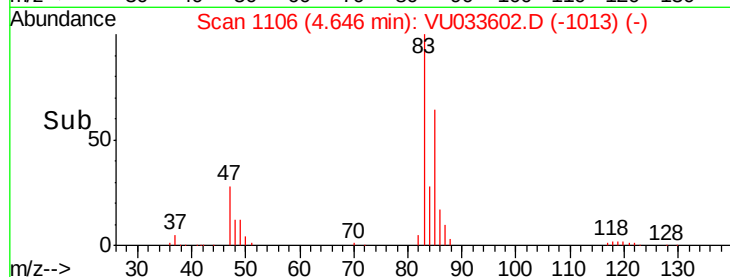
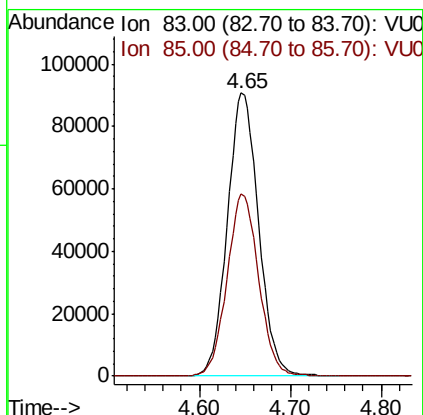
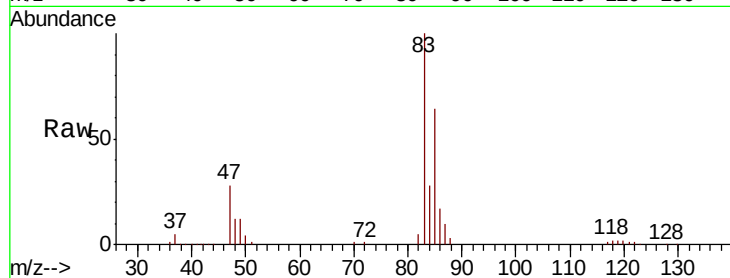




#25
Chloroform
Concen: 50.245 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033602.D
Acq: 06 Aug 2019 08:48

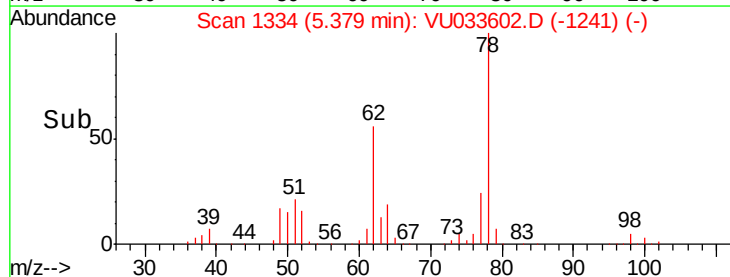
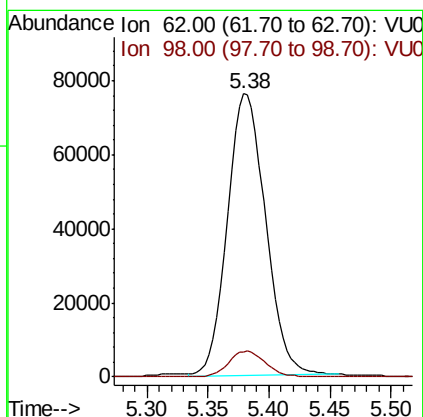
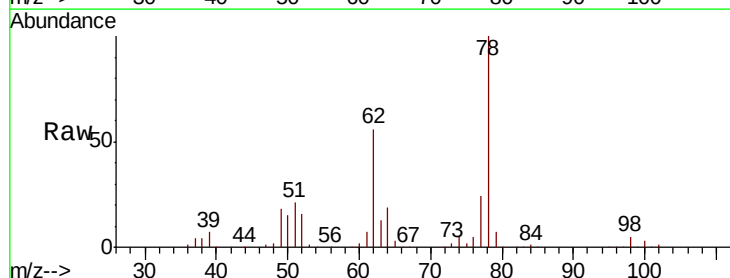
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

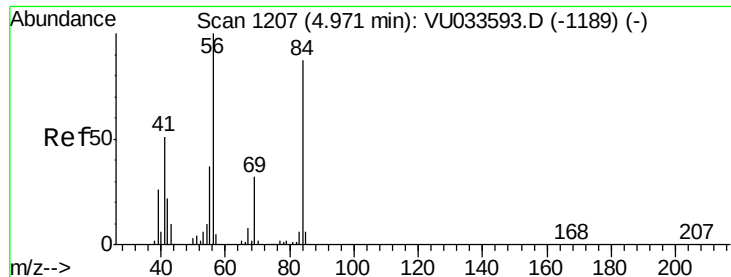
Tgt Ion: 83 Resp: 216738
Ion Ratio Lower Upper
83 100
85 64.4 44.9 83.3



#27
1,2-Dichloroethane
Concen: 49.272 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033602.D
Acq: 06 Aug 2019 08:48

Tgt Ion: 62 Resp: 166053
Ion Ratio Lower Upper
62 100
98 9.0 7.0 10.4

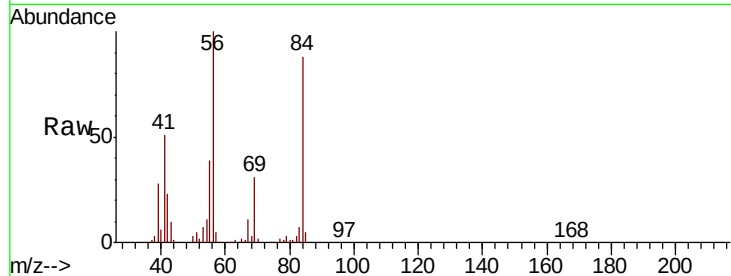




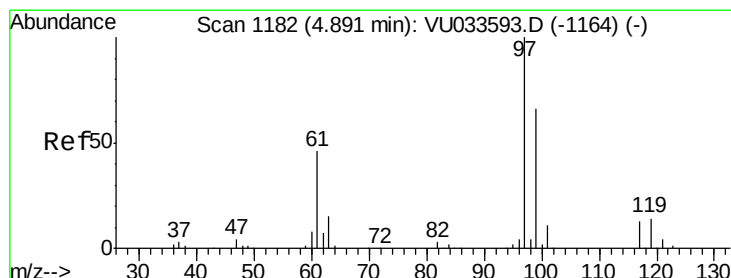
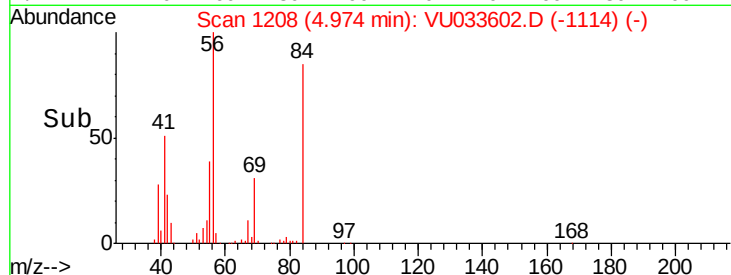
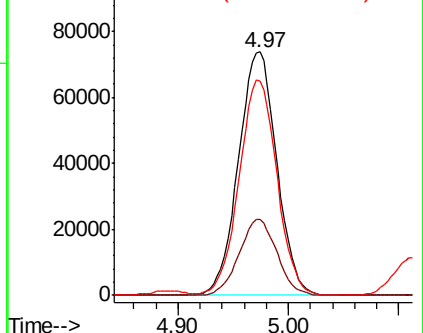
#29
Cyclohexane
Concen: 48.812 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU033602.D
Acq: 06 Aug 2019 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

Tgt Ion: 56 Resp: 177452
Ion Ratio Lower Upper
56 100
69 30.7 24.7 37.1
84 86.9 69.8 104.8

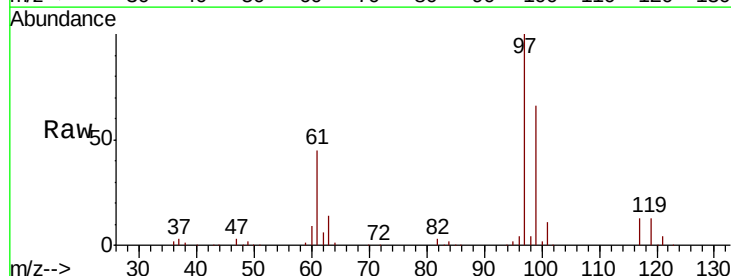


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

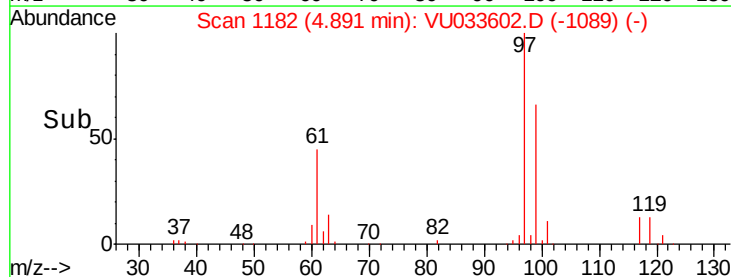
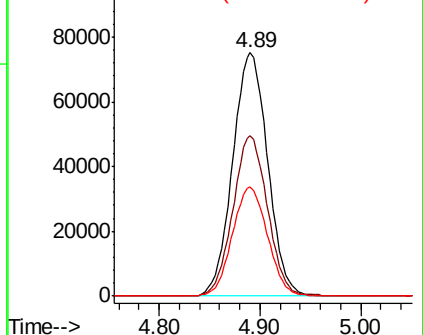


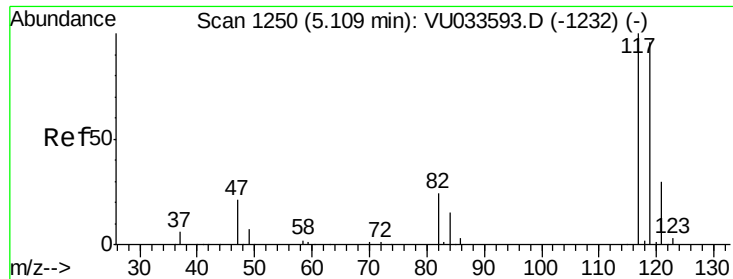
#30
1,1,1-Trichloroethane
Concen: 48.497 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033602.D
Acq: 06 Aug 2019 08:48

Tgt Ion: 97 Resp: 181088
Ion Ratio Lower Upper
97 100
99 65.1 51.8 77.6
61 45.0 36.2 54.2



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: 49.937 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

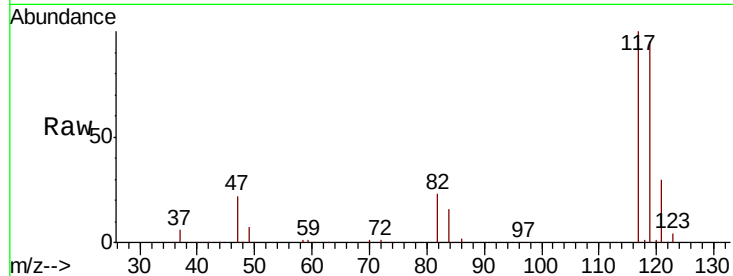
VSTD05049

Tgt Ion:117 Resp: 163677

Ion Ratio Lower Upper

117 100

119 95.8 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.11

80000

60000

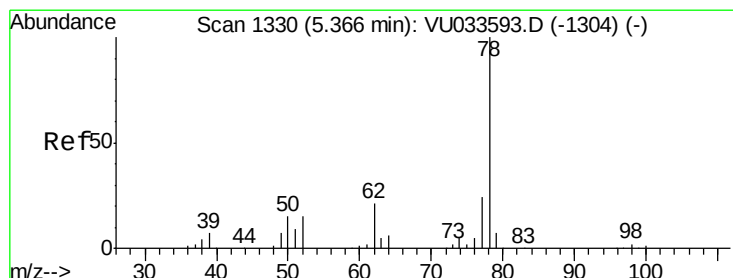
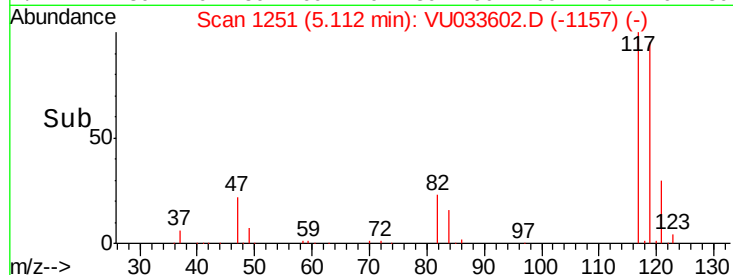
40000

20000

0

Time-->

5.00 5.10 5.20



#33

Benzene

Concen: 48.713 ug/L

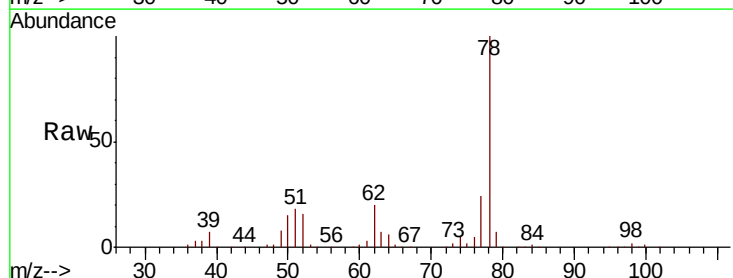
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Tgt Ion: 78 Resp: 462882



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.37

250000

200000

150000

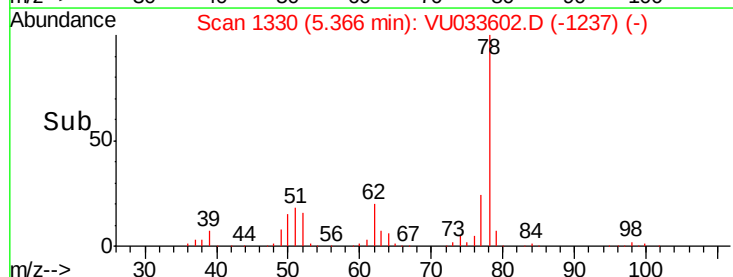
100000

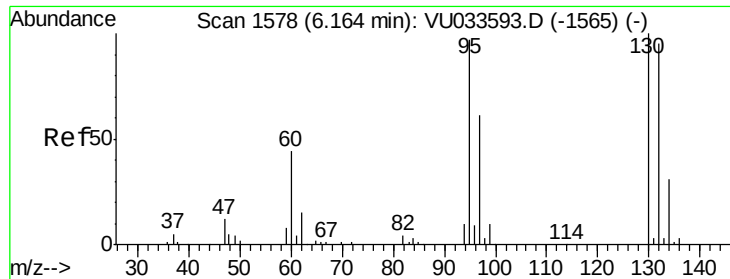
50000

0

Time-->

5.30 5.40 5.50





#34

Trichloroethene

Concen: 48.736 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleID :

VSTD05049

Tgt Ion: 95 Resp: 119281

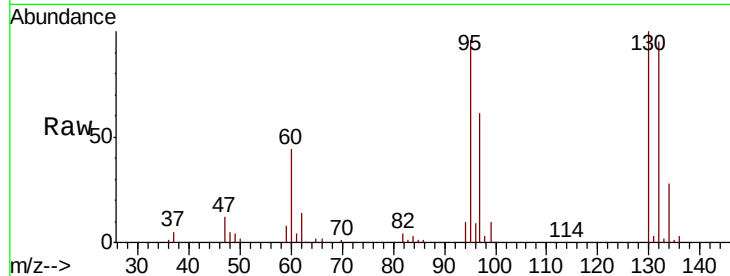
Ion Ratio Lower Upper

95 100

97 63.3 43.8 81.4

132 98.9 68.6 127.4

130 104.6 72.2 134.2

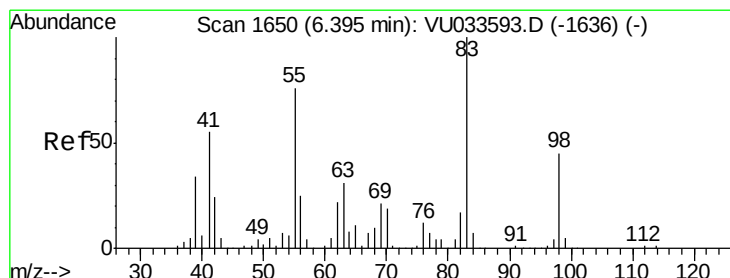
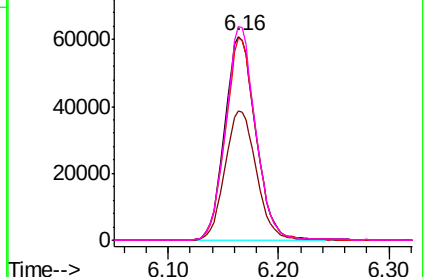
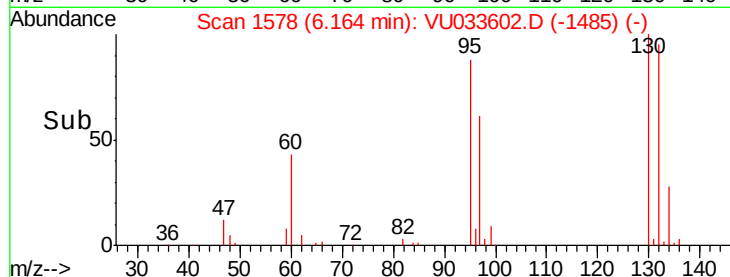


Abundance Ion 95.00 (94.70 to 95.70): VU033602.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VU033602.D (-1485) (-)

Ion 132.00 (131.70 to 132.70): VU033602.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VU033602.D (-1485) (-)



#35

Methylcyclohexane

Concen: 50.886 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

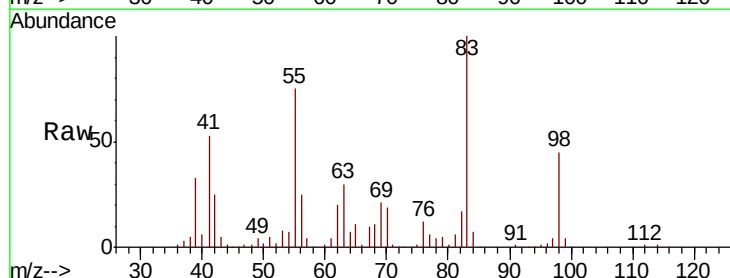
Tgt Ion: 83 Resp: 196060

Ion Ratio Lower Upper

83 100

55 76.0 60.1 90.1

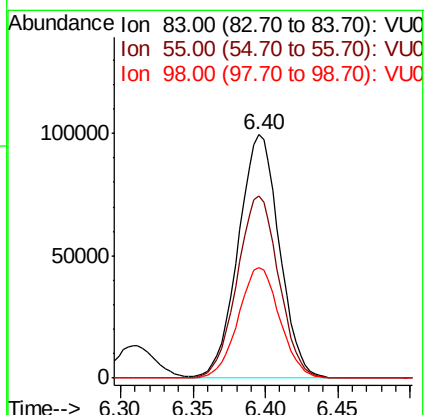
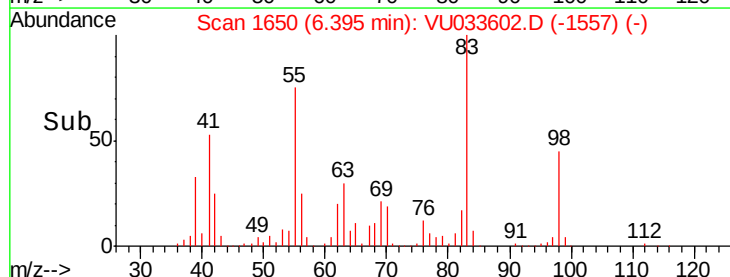
98 45.8 36.8 55.2

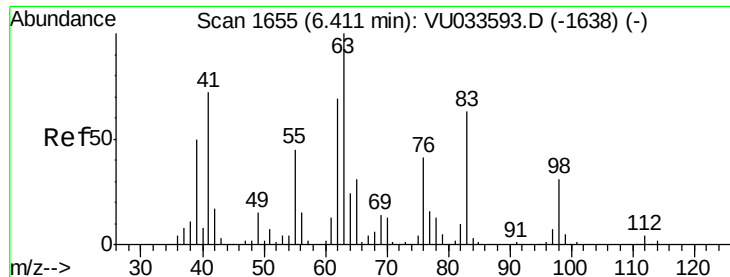


Abundance Ion 83.00 (82.70 to 83.70): VU033602.D (-1557) (-)

Ion 55.00 (54.70 to 55.70): VU033602.D (-1557) (-)

Ion 98.00 (97.70 to 98.70): VU033602.D (-1557) (-)

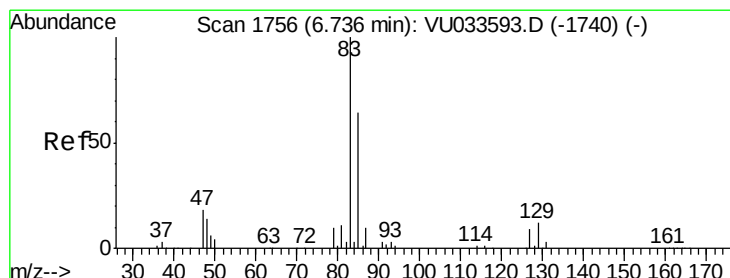
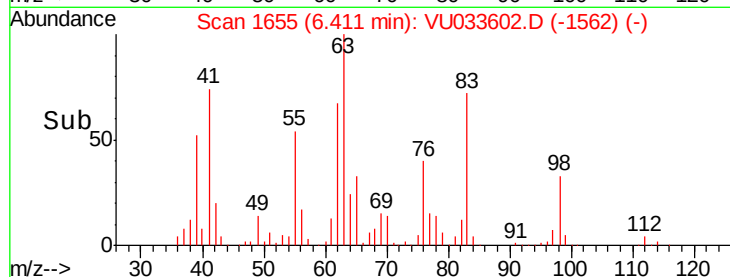
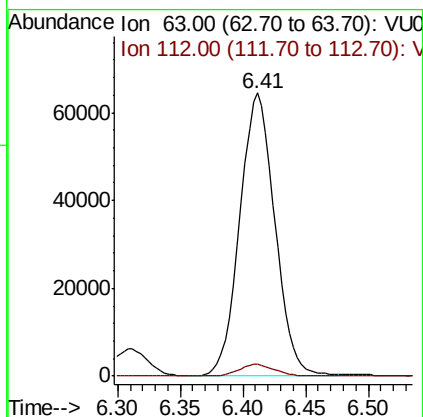
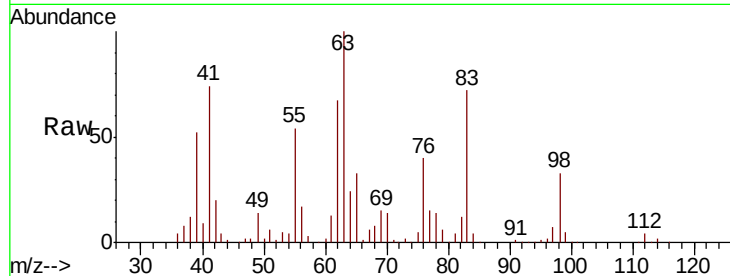




#37
 1,2-Dichloropropane
 Concen: 48.526 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033602.D
 Acq: 06 Aug 2019 08:48

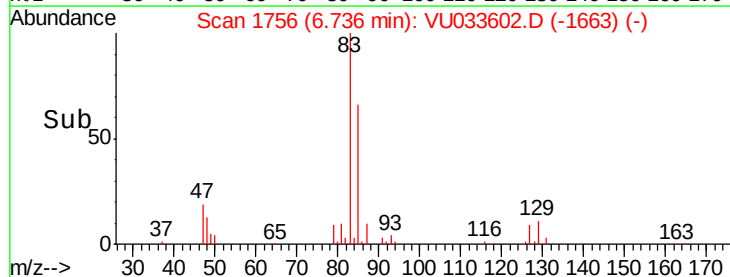
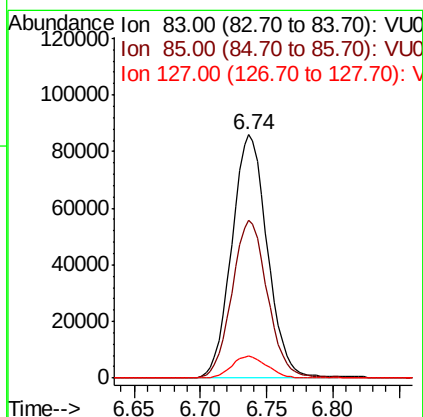
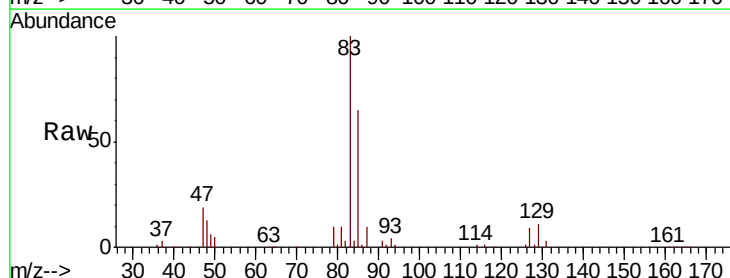
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

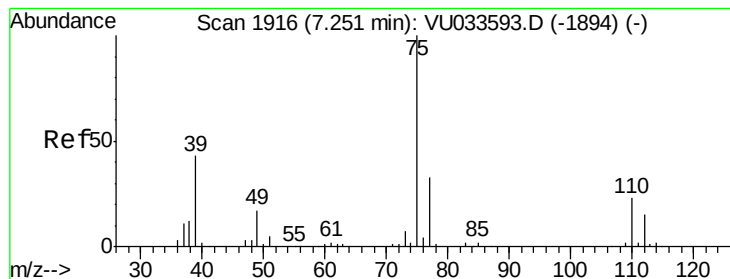
Tgt Ion: 63 Resp: 125938
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.0 4.6



#38
 Bromodichloromethane
 Concen: 49.045 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033602.D
 Acq: 06 Aug 2019 08:48

Tgt Ion: 83 Resp: 160436
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.9 83.5
 127 9.1 7.0 10.4



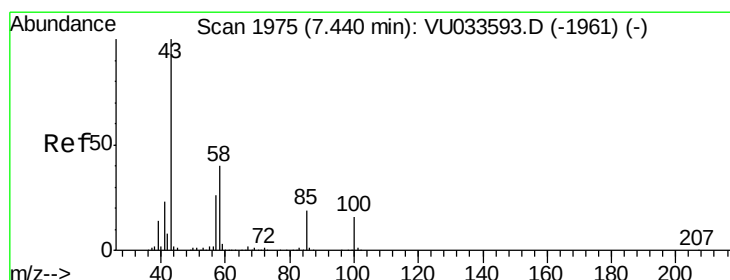
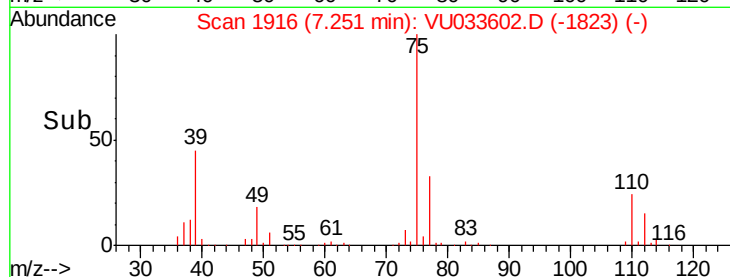
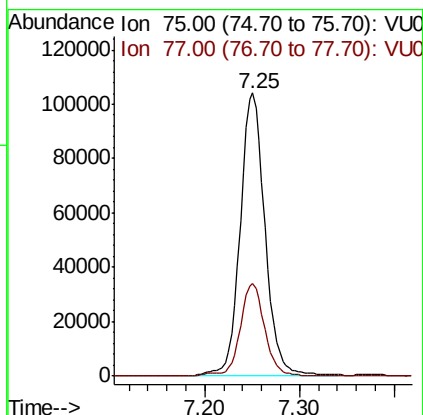
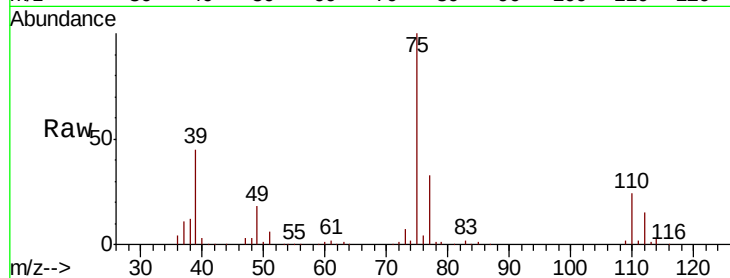


#39

cis-1,3-Dichloropropene
 Concen: 48.241 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033602.D
 Acq: 06 Aug 2019 08:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

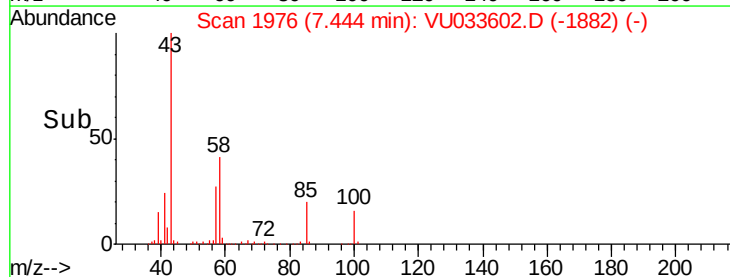
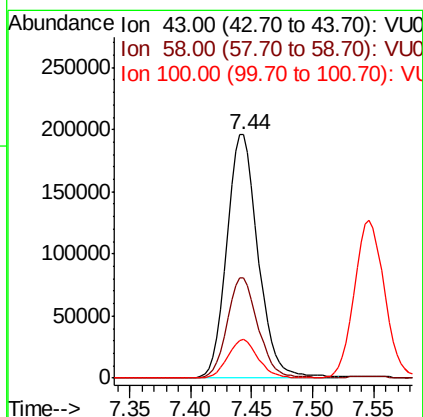
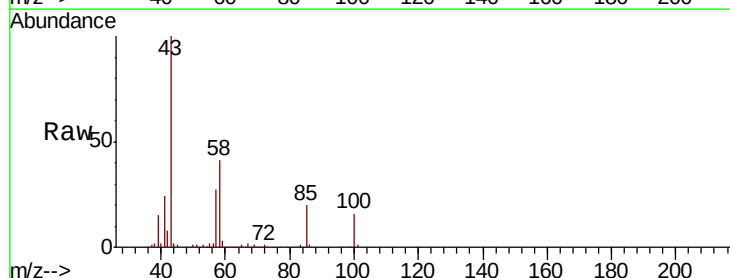
Tgt Ion: 75 Resp: 190390
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.7 42.3

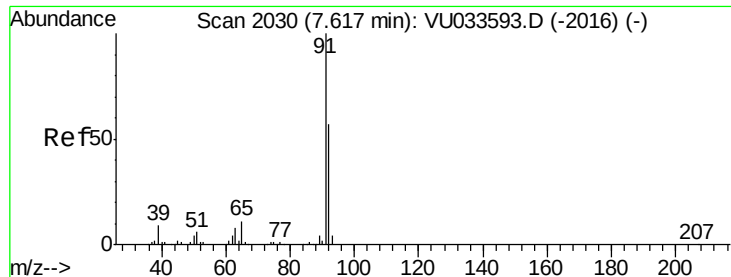


#40

4-Methyl-2-pentanone
 Concen: 94.676 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033602.D
 Acq: 06 Aug 2019 08:48

Tgt Ion: 43 Resp: 351614
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.5 48.7
 100 15.4 12.6 18.8





#42

Toluene

Concen: 49.787 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

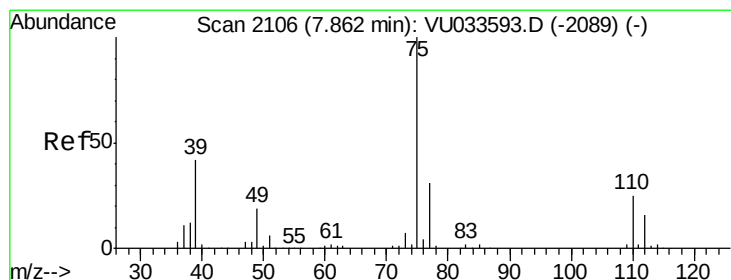
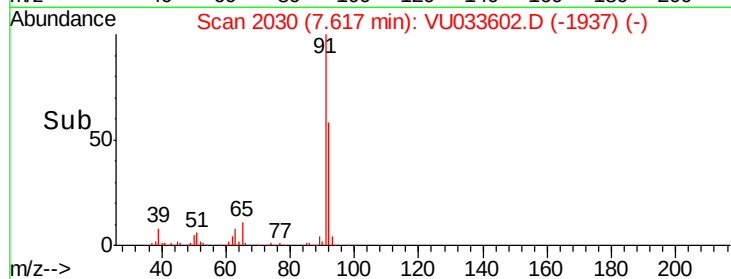
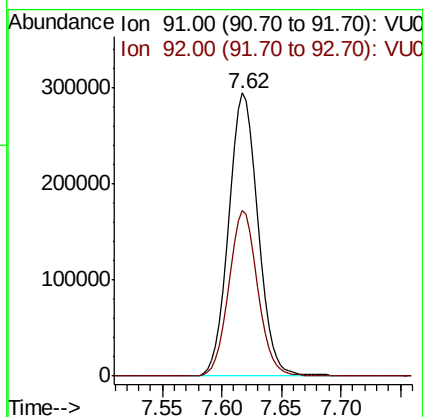
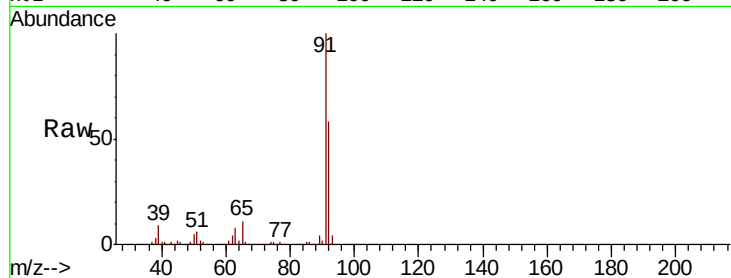
VSTD05049

Tgt Ion: 91 Resp: 505442

Ion Ratio Lower Upper

91 100

92 58.4 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 49.291 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033602.D

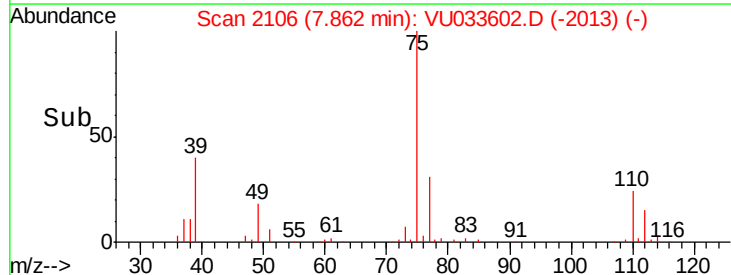
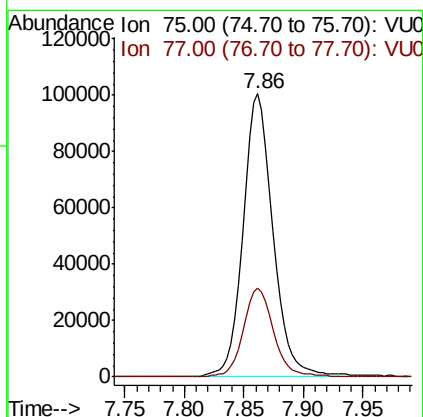
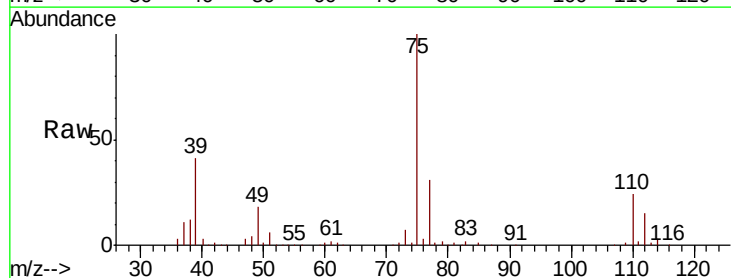
Acq: 06 Aug 2019 08:48

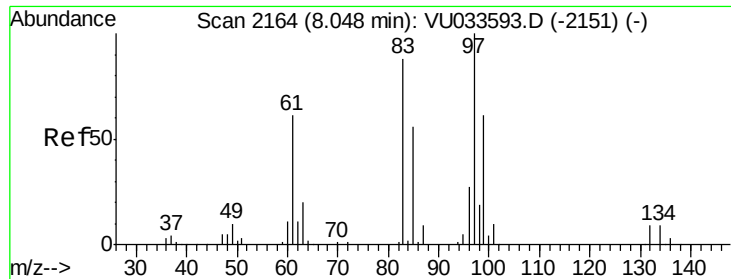
Tgt Ion: 75 Resp: 175043

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.2

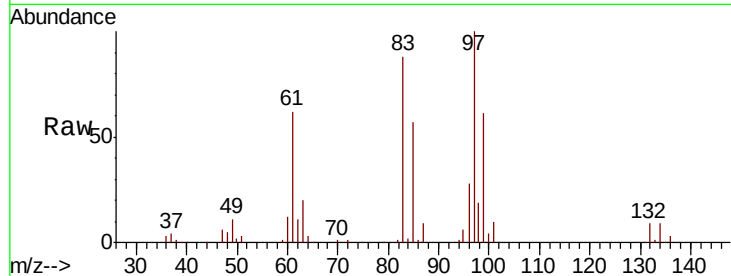




#45
 1,1,2-Trichloroethane
 Concen: 48.555 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033602.D
 Acq: 06 Aug 2019 08:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Tgt Ion:	97	Resp:	117903
Ion	Ratio	Lower	Upper
97	100		
99	61.4	42.8	79.6
83	88.5	61.3	113.9
85	56.7	39.1	72.5



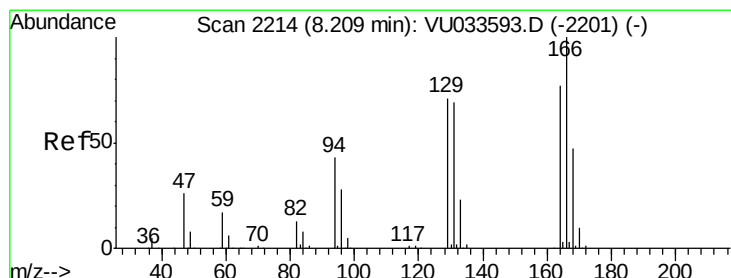
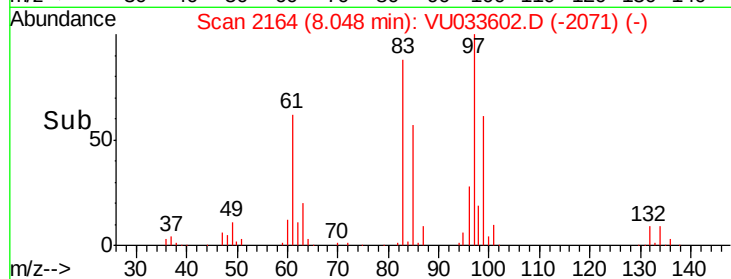
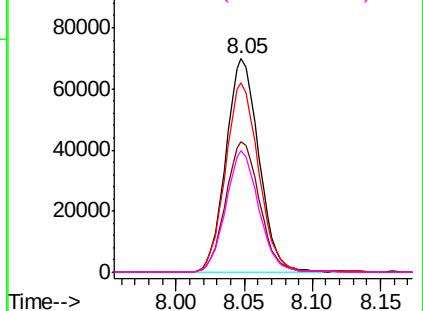
Abundance

Ion 97.00 (96.70 to 97.70): VU033602.D (-2151) (-)

Ion 99.00 (98.70 to 99.70): VU033602.D (-2151) (-)

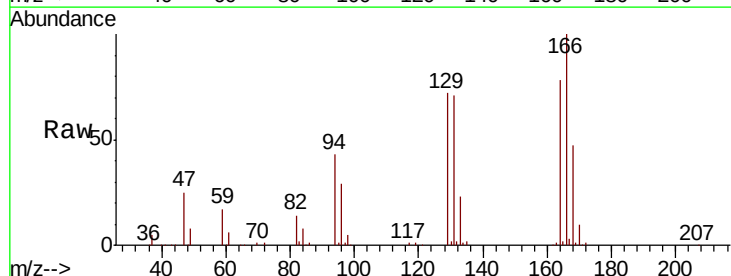
Ion 83.00 (82.70 to 83.70): VU033602.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU033602.D (-2151) (-)



#46
 Tetrachloroethene
 Concen: 50.478 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033602.D
 Acq: 06 Aug 2019 08:48

Tgt Ion:	164	Resp:	101362
Ion	Ratio	Lower	Upper
164	100		
129	93.0	64.1	119.1
131	91.6	62.9	116.7
166	128.4	90.5	168.1



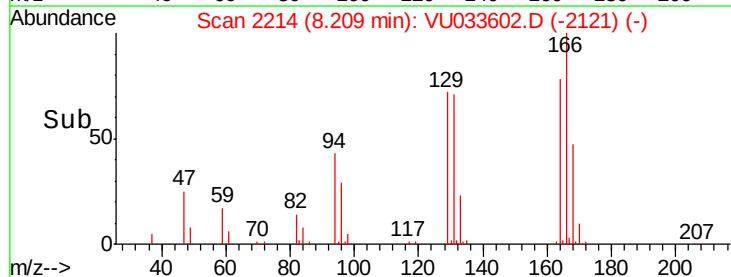
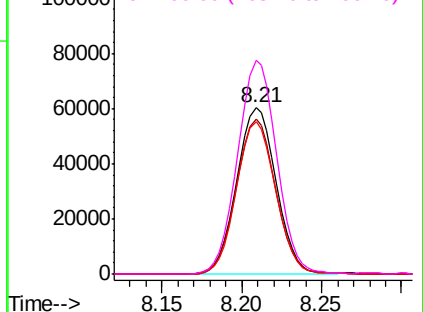
Abundance

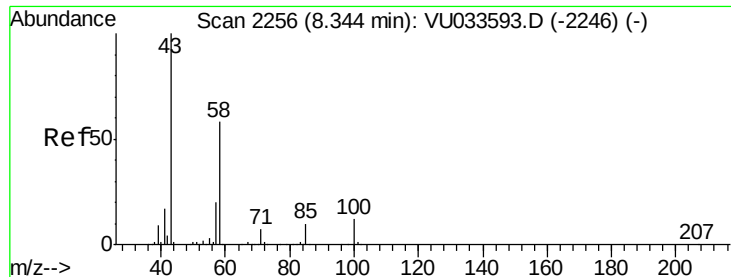
Ion 164.00 (163.70 to 164.70): VU033602.D (-2211) (-)

Ion 129.00 (128.70 to 129.70): VU033602.D (-2211) (-)

Ion 131.00 (130.70 to 131.70): VU033602.D (-2211) (-)

Ion 166.00 (165.70 to 166.70): VU033602.D (-2211) (-)

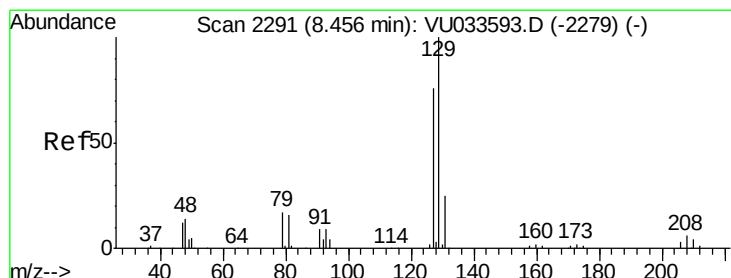
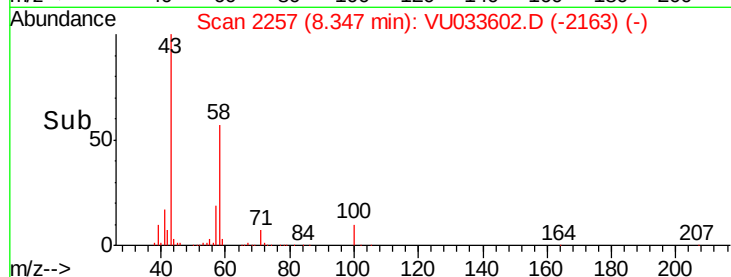
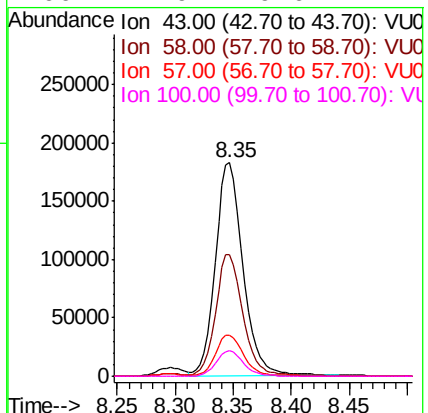
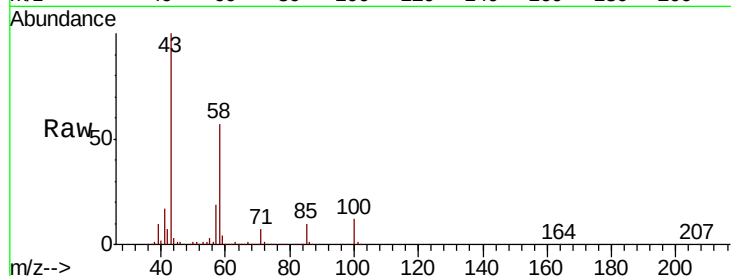




#48
2-Hexanone
Concen: 102.246 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033602.D
Acq: 06 Aug 2019 08:48

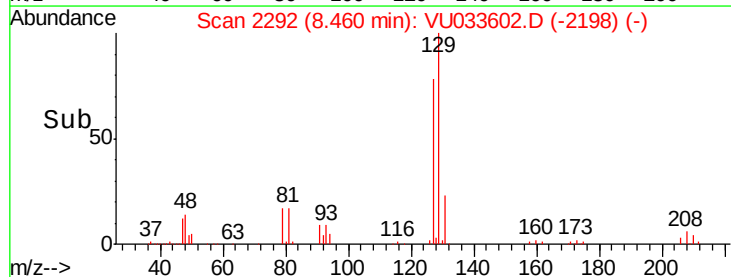
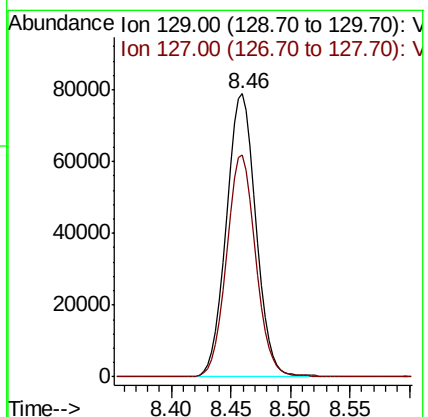
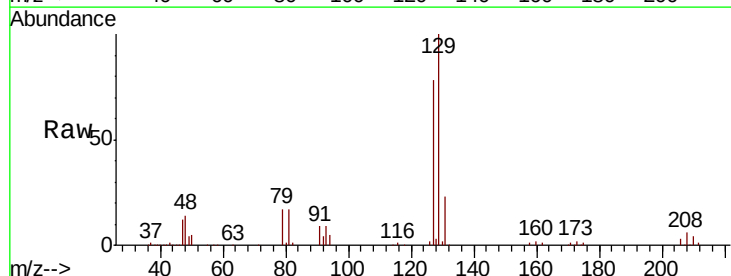
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

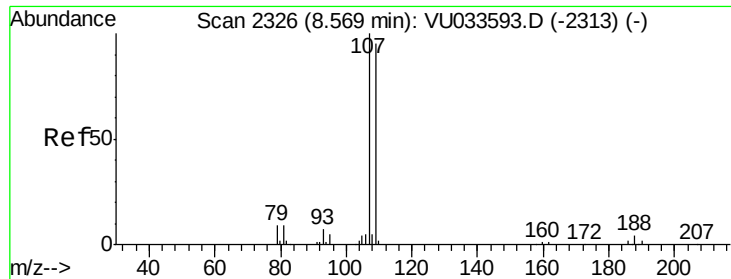
Tgt Ion: 43 Resp: 303244
Ion Ratio Lower Upper
43 100
58 56.5 45.2 67.8
57 19.8 15.4 23.2
100 11.9 9.6 14.4



#49
Dibromochloromethane
Concen: 49.963 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033602.D
Acq: 06 Aug 2019 08:48

Tgt Ion: 129 Resp: 136352
Ion Ratio Lower Upper
129 100
127 78.4 53.4 99.2

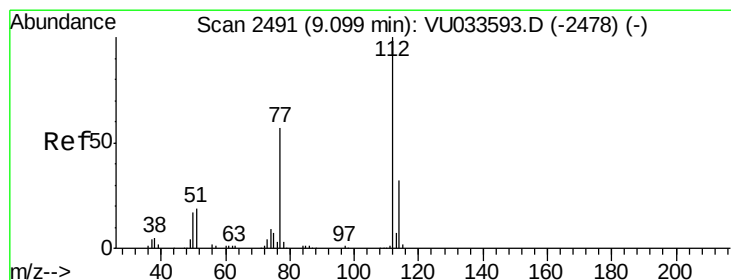
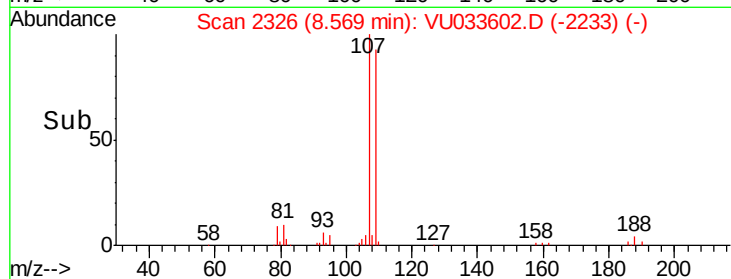
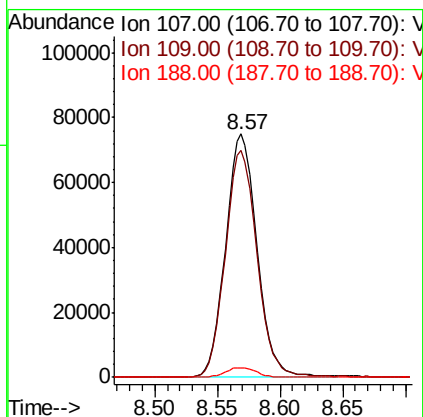
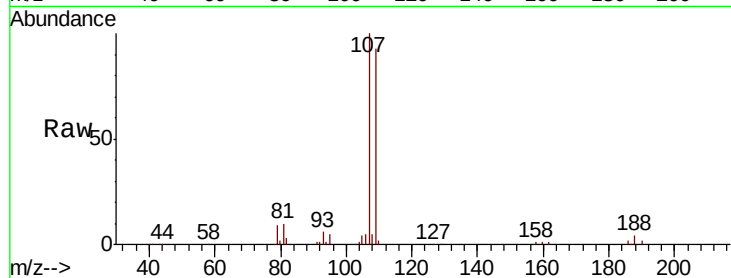




#50
1,2-Dibromoethane
Concen: 48.897 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU033602.D
Acq: 06 Aug 2019 08:48

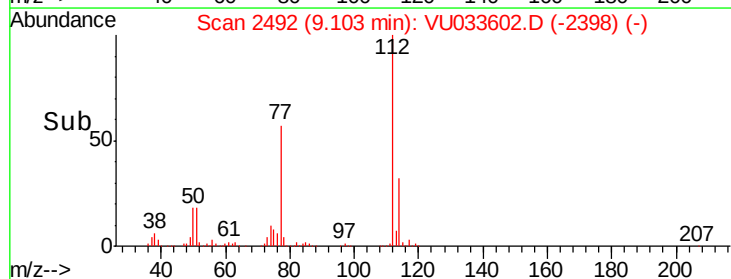
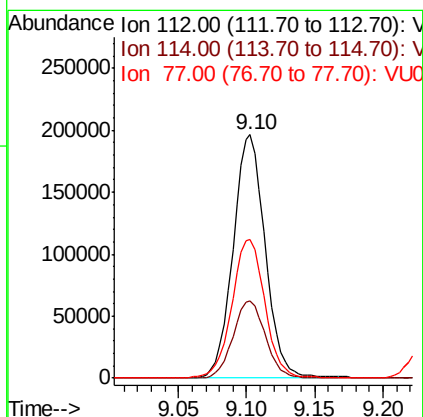
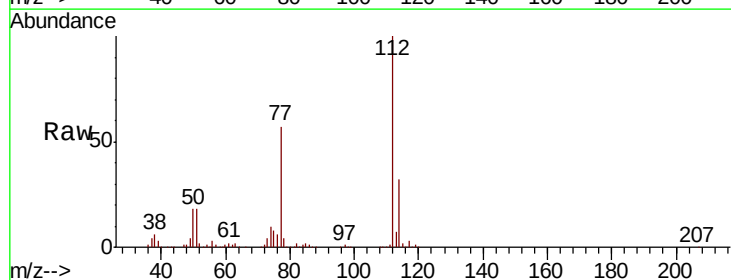
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

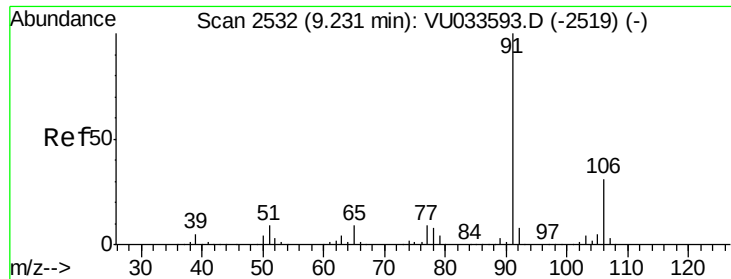
Tgt Ion:107 Resp: 130046
Ion Ratio Lower Upper
107 100
109 93.3 66.5 123.5
188 3.9 3.0 4.6



#51
Chlorobenzene
Concen: 48.337 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033602.D
Acq: 06 Aug 2019 08:48

Tgt Ion:112 Resp: 320426
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.9
77 57.1 46.1 69.1

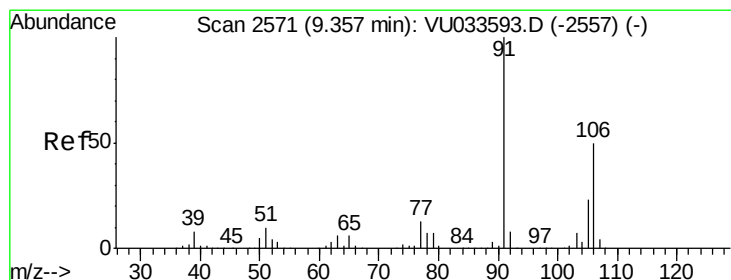
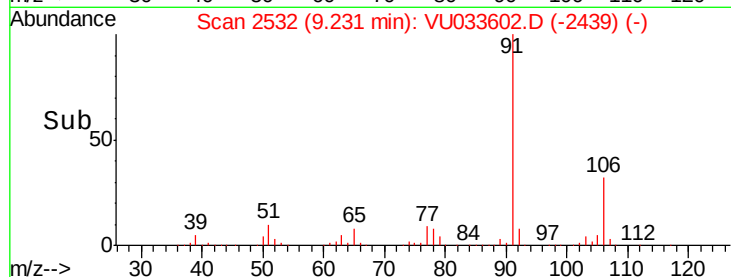
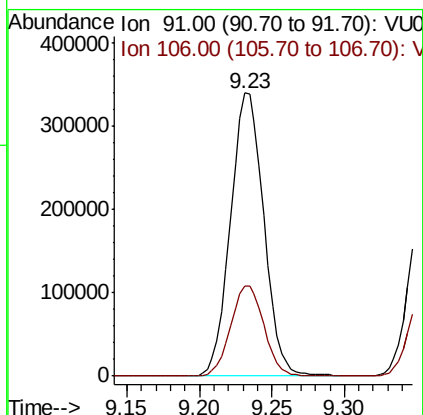
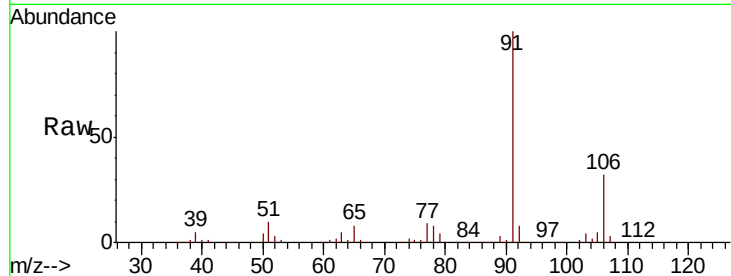




#52
Ethylbenzene
Concen: 49.312 ug/L
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU033602.D
Acq: 06 Aug 2019 08:48

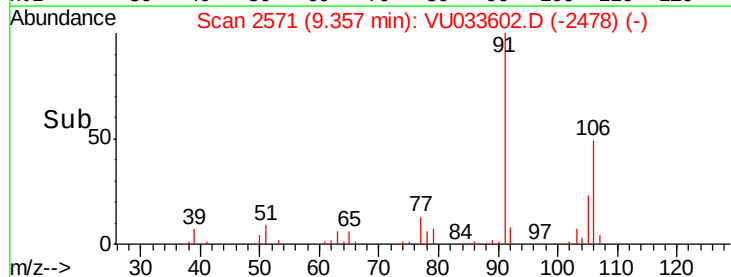
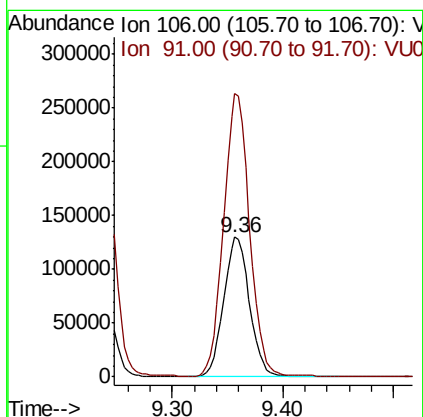
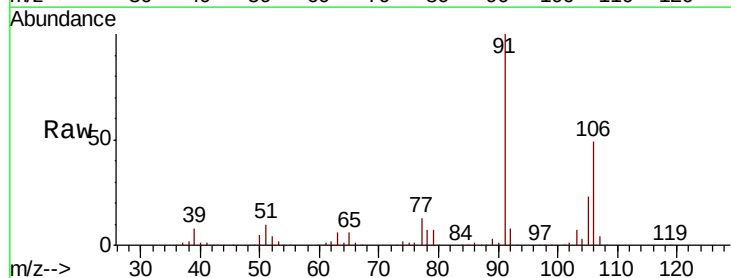
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

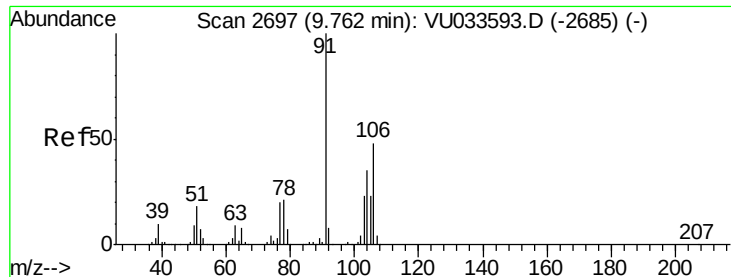
Tgt Ion: 91 Resp: 542772
Ion Ratio Lower Upper
91 100
106 31.7 21.8 40.4



#53
m,p-Xylene
Concen: 50.362 ug/L
RT: 9.36 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VU033602.D
Acq: 06 Aug 2019 08:48

Tgt Ion: 106 Resp: 211101
Ion Ratio Lower Upper
106 100
91 202.4 141.3 262.5





#54

o-xylene

Concen: 49.893 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

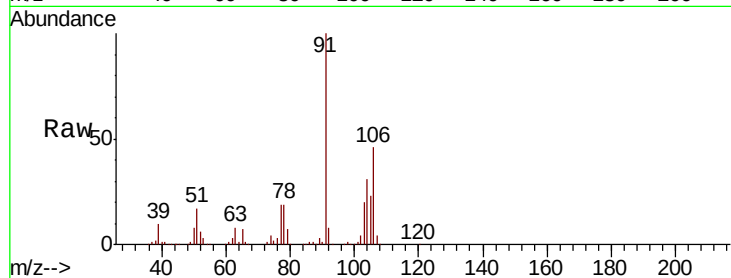
VSTD05049

Tgt Ion:106 Resp: 204854

Ion Ratio Lower Upper

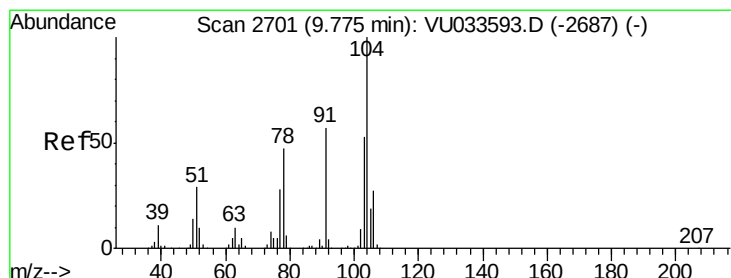
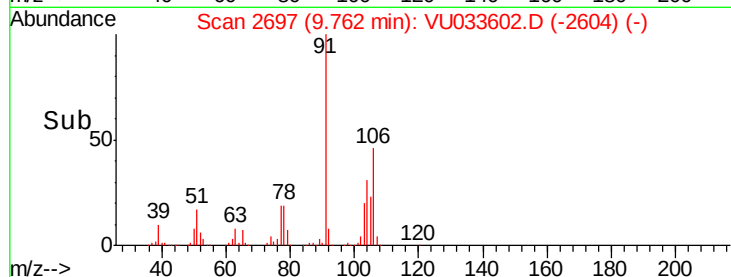
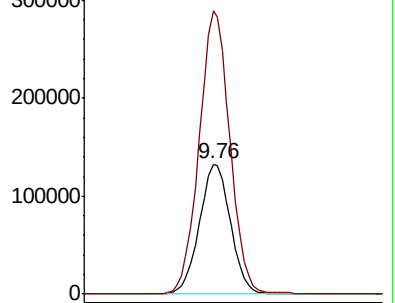
106 100

91 218.1 146.6 272.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.520 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033602.D

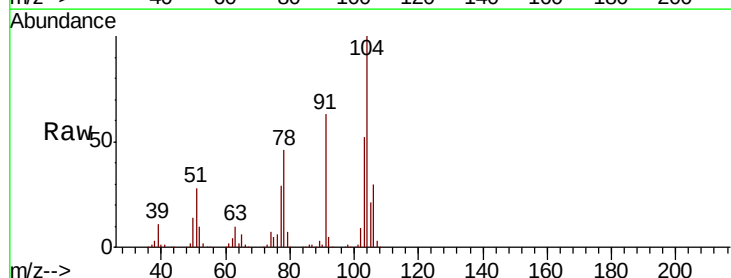
Acq: 06 Aug 2019 08:48

Tgt Ion:104 Resp: 359194

Ion Ratio Lower Upper

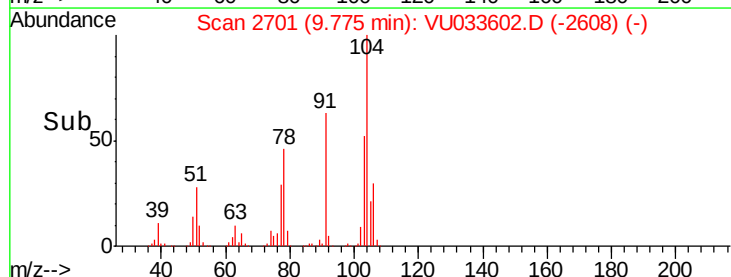
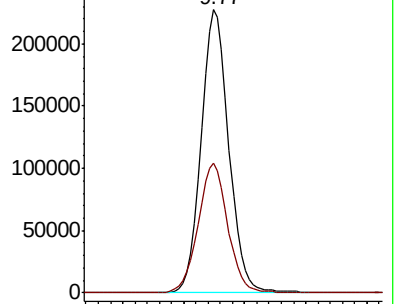
104 100

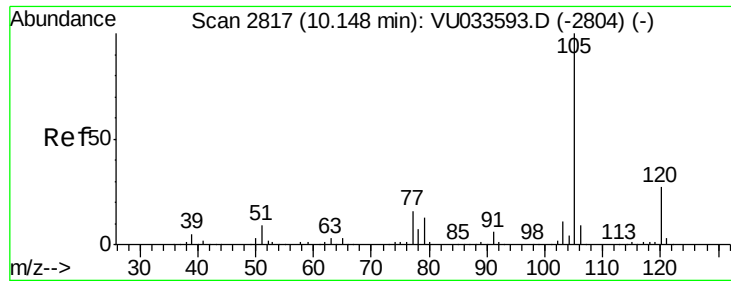
78 45.7 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.689 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

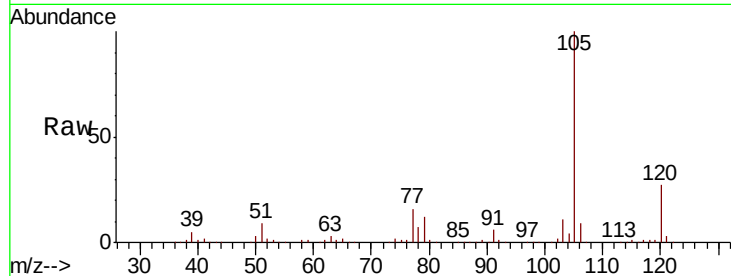
Tgt Ion: 105 Resp: 536916

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

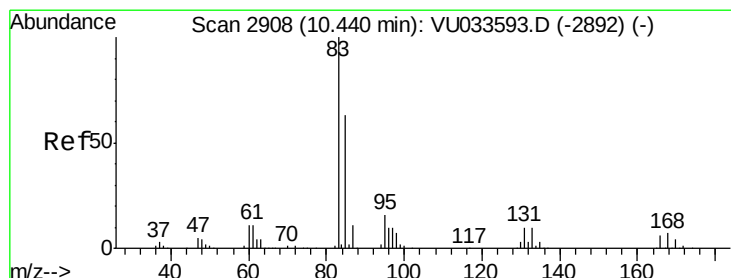
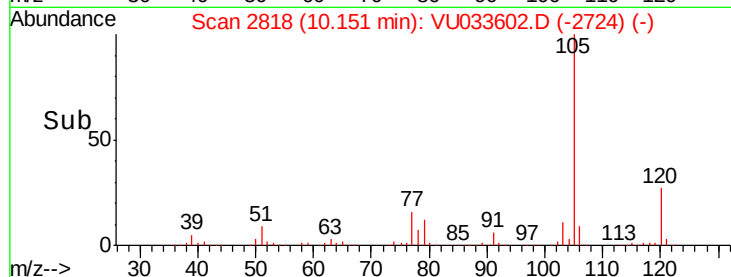
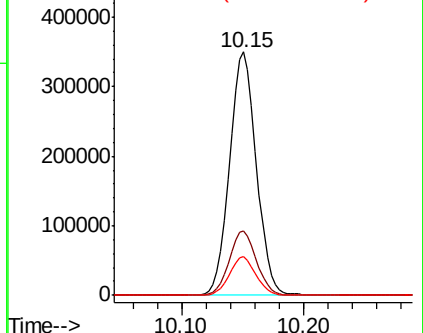
77 15.8 12.6 18.8



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: 48.974 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

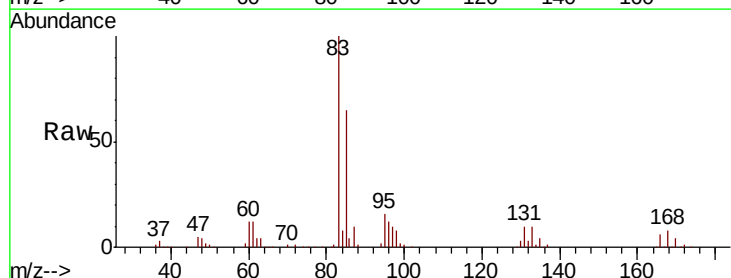
Tgt Ion: 83 Resp: 212648

Ion Ratio Lower Upper

83 100

85 65.0 44.3 82.3

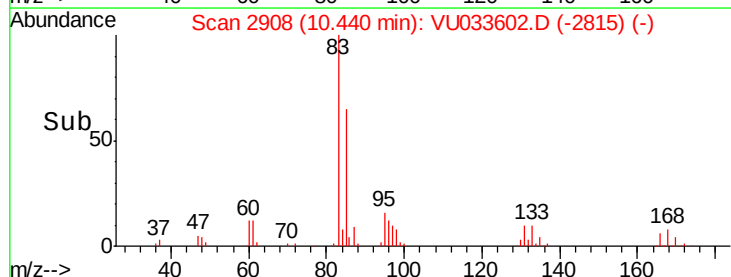
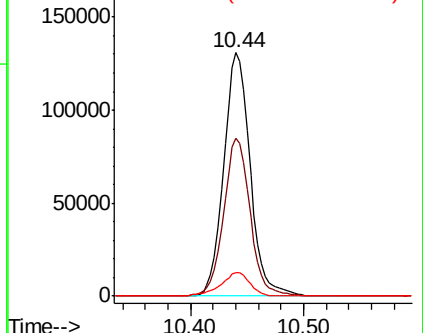
131 9.5 7.8 11.6

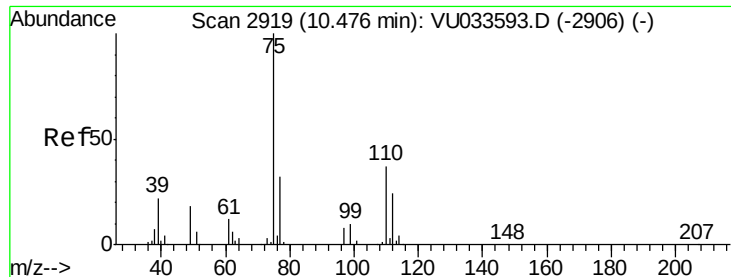


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.957 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

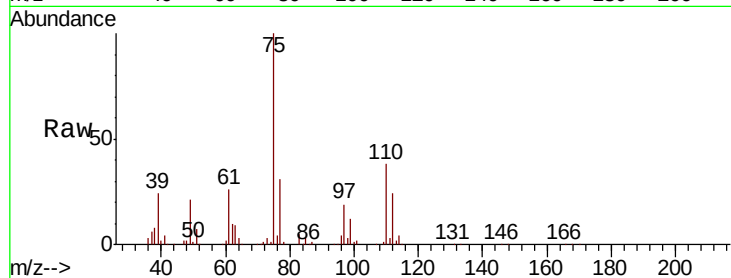
VSTD05049

Tgt Ion: 75 Resp: 163012

Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU033593.D (-2906) (-)

Ion 77.00 (76.70 to 77.70): VU033593.D (-2906) (-)

10.48

120000

100000

80000

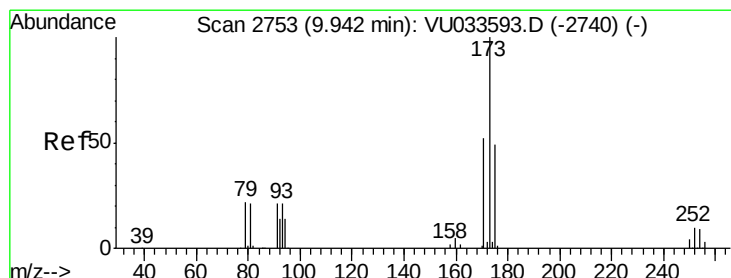
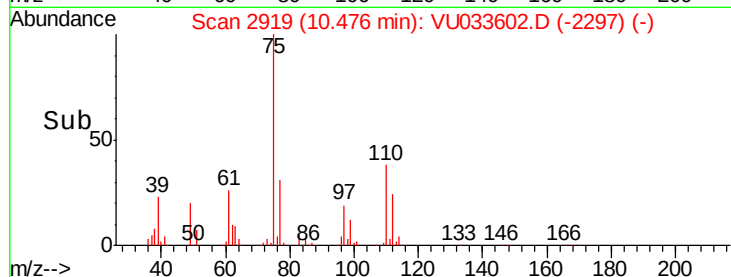
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 49.237 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

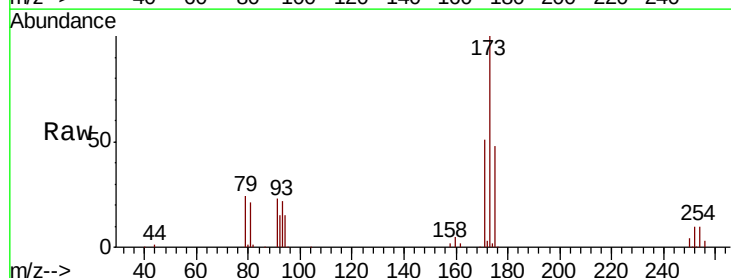
Tgt Ion: 173 Resp: 105399

Ion Ratio Lower Upper

173 100

175 48.0 39.4 59.0

254 9.2 7.2 10.8



Abundance Ion 173.00 (172.70 to 173.70): VU033593.D (-2740) (-)

Ion 175.00 (174.70 to 175.70): VU033593.D (-2740) (-)

Ion 254.00 (253.70 to 254.70): VU033593.D (-2740) (-)

9.94

80000

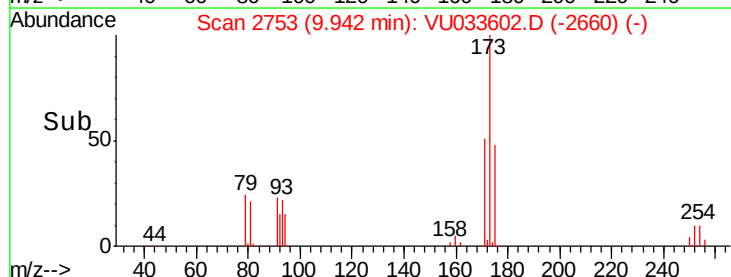
60000

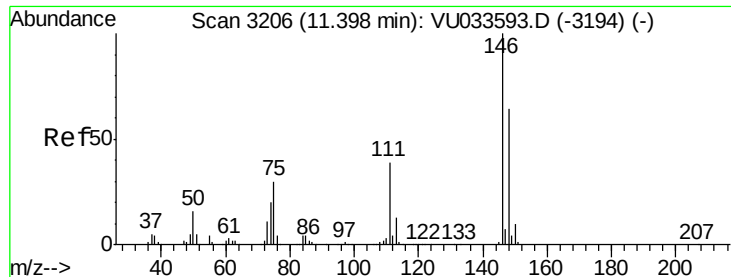
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 48.726 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

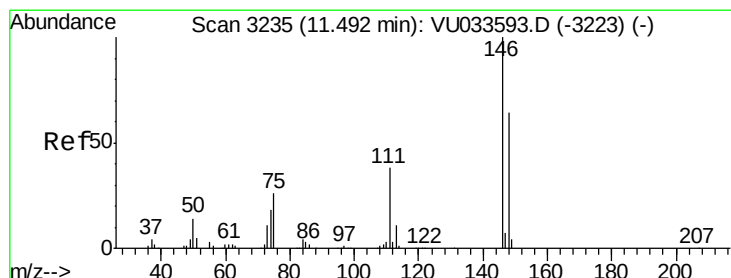
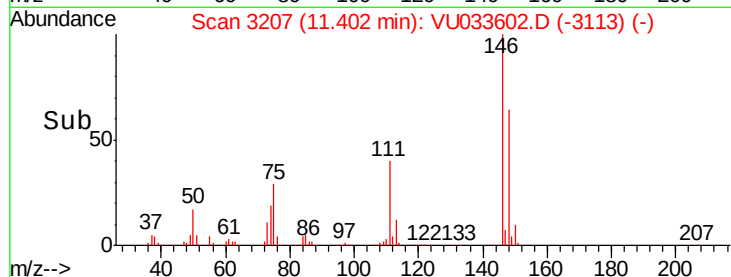
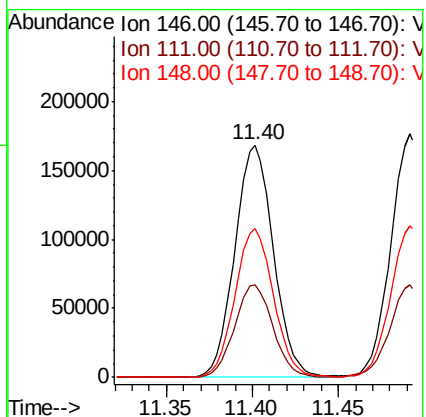
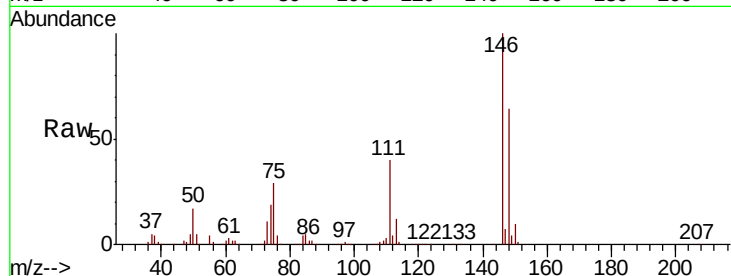
Tgt Ion:146 Resp: 262846

Ion Ratio Lower Upper

146 100

111 39.9 27.5 51.1

148 64.0 44.5 82.7



#63

1,4-Dichlorobenzene

Concen: 49.495 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

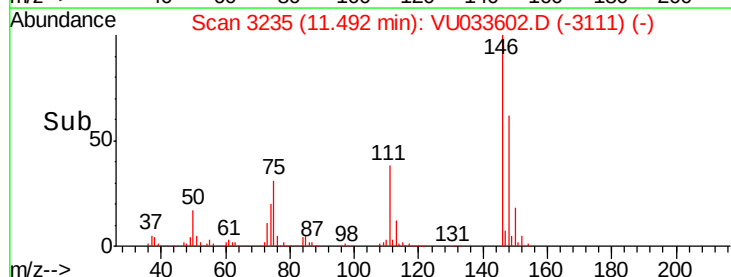
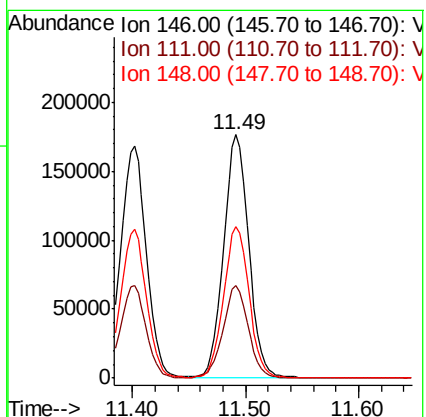
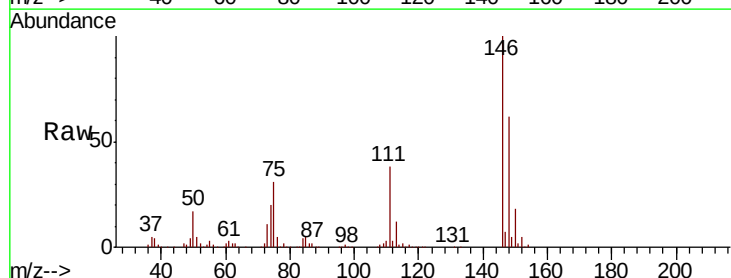
Tgt Ion:146 Resp: 272761

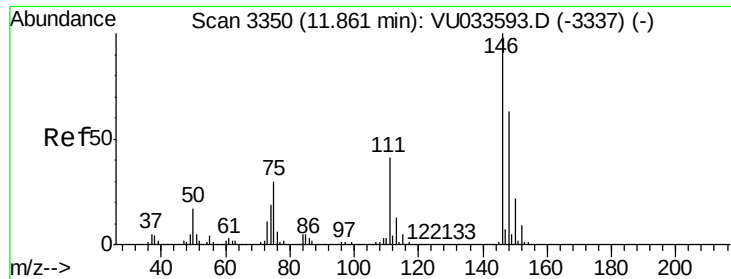
Ion Ratio Lower Upper

146 100

111 38.1 26.9 49.9

148 62.4 44.9 83.3





#65

1,2-Dichlorobenzene

Concen: 49.520 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

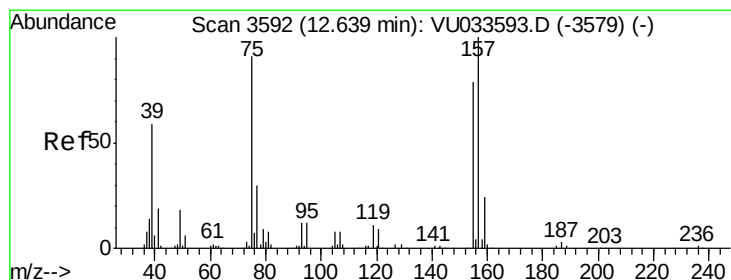
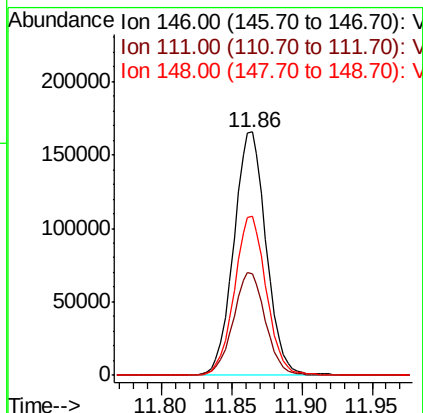
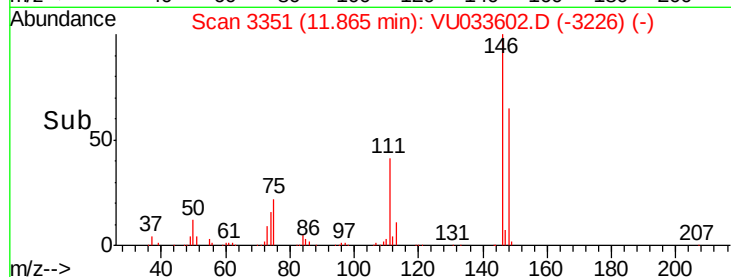
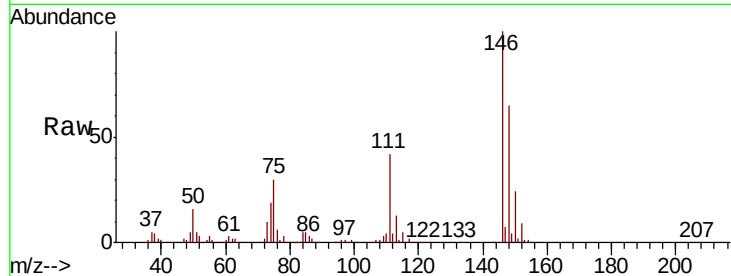
Tgt Ion:146 Resp: 266423

Ion Ratio Lower Upper

146 100

111 41.8 33.0 49.6

148 65.2 50.6 75.8



#66

1,2-Dibromo-3-chloropropane

Concen: 47.463 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. 0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

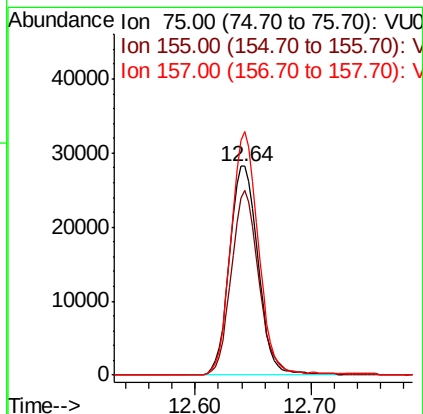
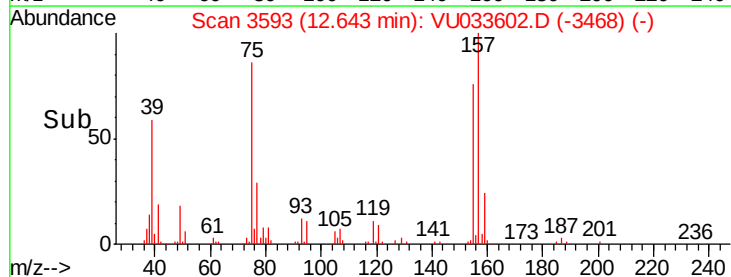
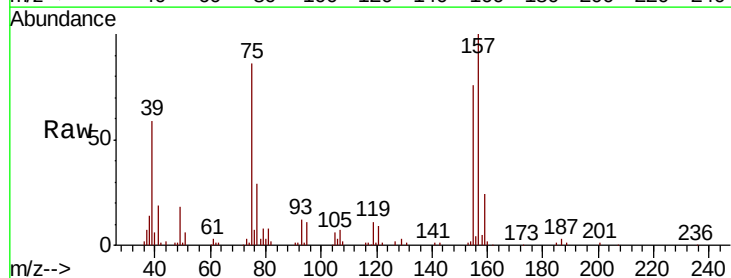
Tgt Ion: 75 Resp: 48124

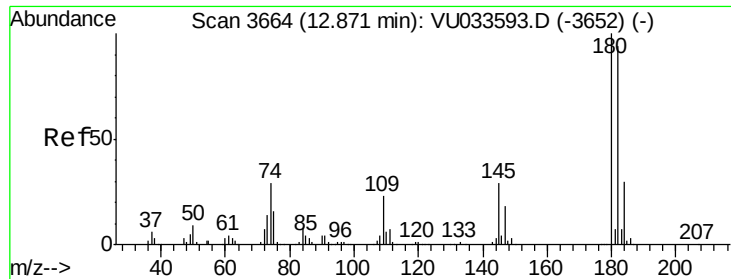
Ion Ratio Lower Upper

75 100

155 88.3 69.0 103.6

157 116.5 87.8 131.8

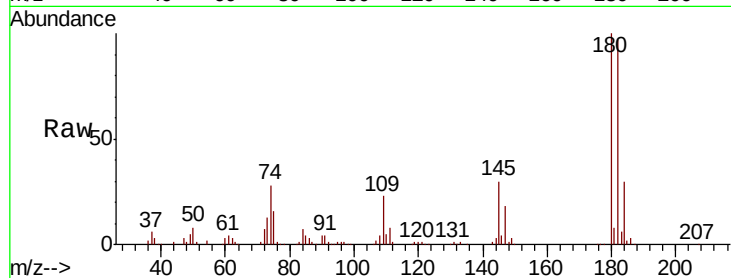




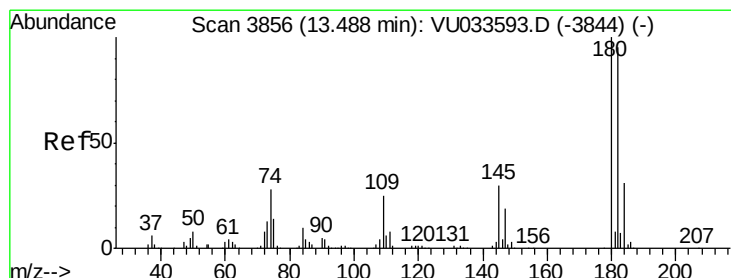
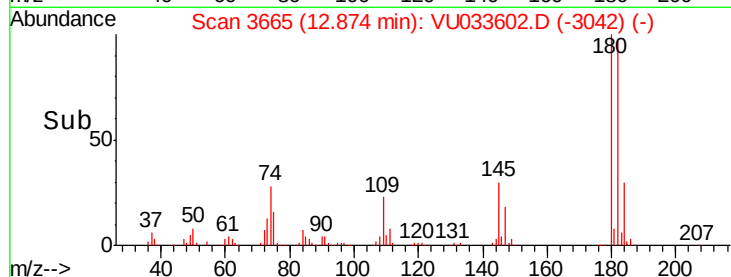
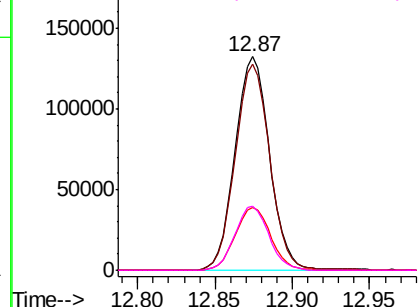
#67
 1,3,5-Trichlorobenzene
 Concen: 49.322 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033602.D
 Acq: 06 Aug 2019 08:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Tgt Ion:180 Resp: 204844
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.2 114.2
 184 30.1 24.2 36.4
 145 29.5 23.0 34.4

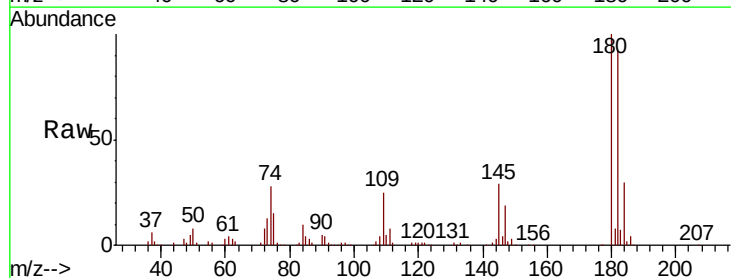


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

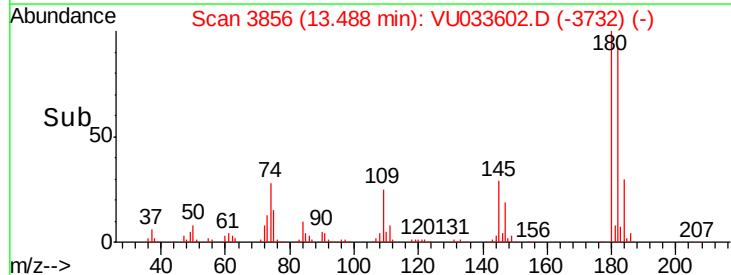
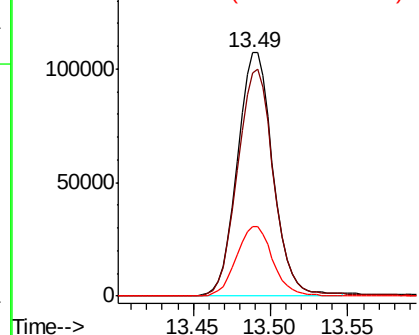


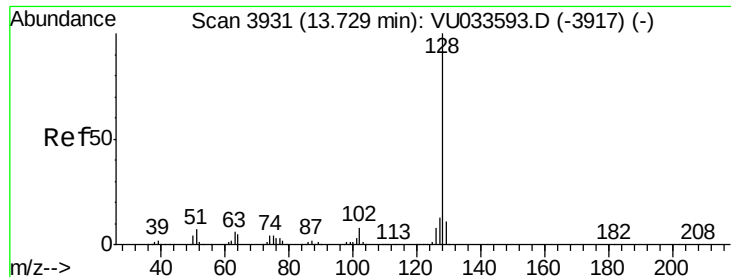
#68
 1,2,4-trichlorobenzene
 Concen: 48.482 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033602.D
 Acq: 06 Aug 2019 08:48

Tgt Ion:180 Resp: 171765
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.7 115.1
 145 28.9 23.5 35.3



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





#69

Naphthalene

Concen: 48.048 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

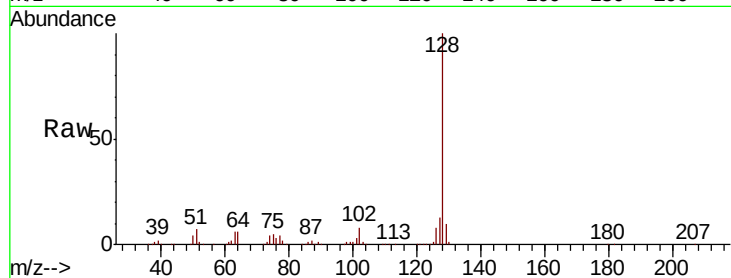
Tgt Ion:128 Resp: 494712

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

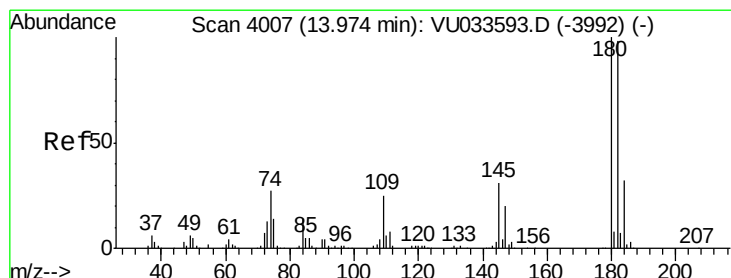
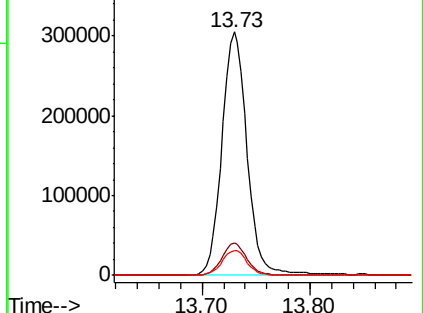
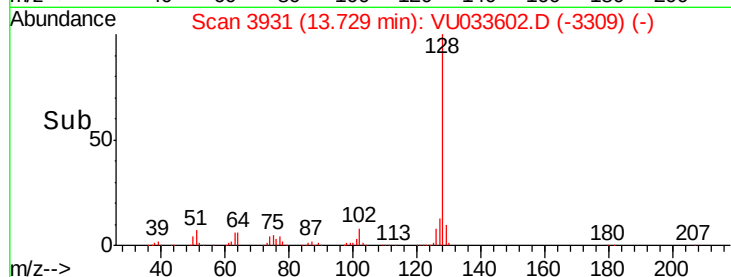
129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 47.648 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033602.D

Acq: 06 Aug 2019 08:48

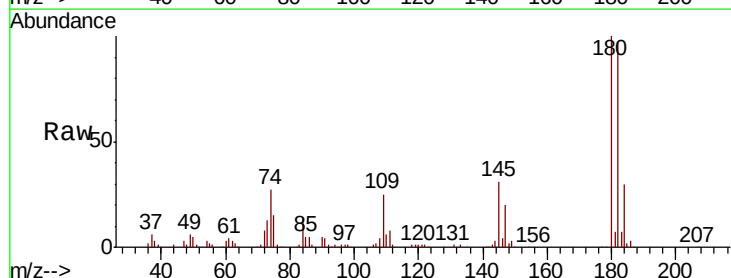
Tgt Ion:180 Resp: 179572

Ion Ratio Lower Upper

180 100

182 96.0 77.4 116.2

145 30.9 24.5 36.7



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

