

Data File : VU033242.D
Acq On : 12 Jul 2019 23:31
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Quant Time: Jul 13 00:14:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 13 00:05:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	317467	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	314351	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	161815	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	106297	44.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.46%
7) Chloroethane-d5	1.67	69	93942	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.52%
11) 1,1-Dichloroethene-d2	2.26	63	193831	44.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.94%
21) 2-Butanone-d5	4.15	46	162708	106.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.85%
24) Chloroform-d	4.62	84	192087	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
26) 1,2-Dichloroethane-d4	5.28	65	122722	47.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.02%
32) Benzene-d6	5.32	84	378416	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.14%
36) 1,2-Dichloropropane-d6	6.31	67	121379	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.28%
41) Toluene-d8	7.55	98	359199	49.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.78%
43) trans-1,3-Dichloropropene-	7.83	79	59906	49.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.92%
47) 2-Hexanone-d5	8.29	63	124255	111.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.58%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	192362	51.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.90%
64) 1,2-Dichlorobenzene-d4	11.85	152	141026	48.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.74%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	150216	47.747	ug/L	99
3) Chloromethane	1.32	50	149651	48.284	ug/L	100
5) Vinyl chloride	1.40	62	171265	47.807	ug/L	100
6) Bromomethane	1.61	94	107702	48.225	ug/L	99
8) Chloroethane	1.68	64	103656	47.837	ug/L	99
9) Trichlorofluoromethane	1.87	101	224919	47.746	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	103271	47.683	ug/L	99
12) 1,1-Dichloroethene	2.27	96	101226	47.771	ug/L	92
13) Acetone	2.31	43	129534	68.085	ug/L	99
14) Carbon disulfide	2.46	76	303379	46.813	ug/L	99
15) Methyl Acetate	2.60	43	129201	52.003	ug/L	99
16) Methylene chloride	2.68	84	117570	48.595	ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	106520	48.639	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	338186	50.029	ug/L	100
19) 1,1-Dichloroethane	3.42	63	210052	49.897	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	123680	50.068	ug/L	97
22) 2-Butanone	4.23	43	189519	89.670	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	63662	50.329	ug/L	98
25) Chloroform	4.65	83	218180	48.731	ug/L	99
27) 1,2-Dichloroethane	5.38	62	174411	50.306	ug/L	100
29) Cyclohexane	4.97	56	176544	51.541	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	184911	50.420	ug/L	99
31) Carbon tetrachloride	5.11	117	162287	50.566	ug/L	99
33) Benzene	5.37	78	471846	51.470	ug/L	100
34) Trichloroethene	6.16	95	120292	50.174	ug/L	98
35) Methylcyclohexane	6.40	83	187667	51.099	ug/L	98
37) 1,2-Dichloropropane	6.41	63	126356	50.824	ug/L	100
38) Bromodichloromethane	6.74	83	162381	50.634	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	191887	50.339	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	361981	108.536	ug/L	98
42) Toluene	7.62	91	513684	51.975	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	175099	50.935	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	119877	50.983	ug/L	99
46) Tetrachloroethene	8.21	164	92073	49.609	ug/L	99
48) 2-Hexanone	8.34	43	286176	105.325	ug/L	100
49) Dibromochloromethane	8.46	129	132267	50.428	ug/L	98
50) 1,2-Dibromoethane	8.57	107	131392	51.251	ug/L	97
51) Chlorobenzene	9.10	112	326497	50.612	ug/L	98
52) Ethylbenzene	9.23	91	551593	52.156	ug/L	99
53) m,p-Xylene	9.36	106	211256	52.737	ug/L	99
54) o-xylene	9.76	106	207558	52.182	ug/L	97
55) Styrene	9.77	104	360753	53.496	ug/L	99
56) Isopropylbenzene	10.15	105	540557	52.813	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	212991	51.570	ug/L	100
59) 1,2,3-Trichloropropane	10.48	75	166364	51.401	ug/L	100
61) Bromoform	9.94	173	100024	50.613	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	245641	49.315	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	257007	49.348	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	253423	49.608	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	48171	49.406	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	180653	50.184	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	159851	50.838	ug/L	98
69) Naphthalene	13.73	128	563228	55.866	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	172334	50.484	ug/L	100

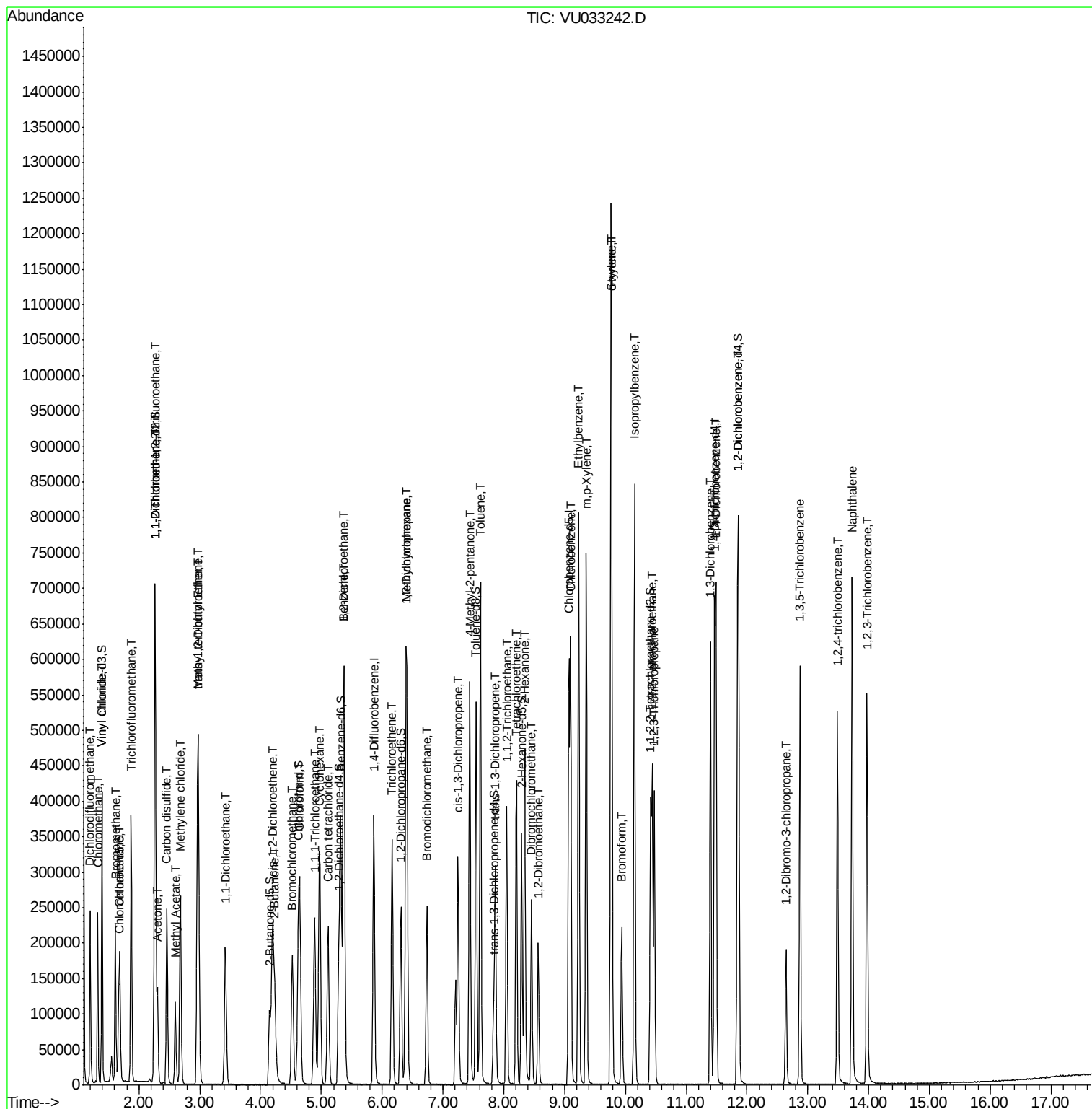
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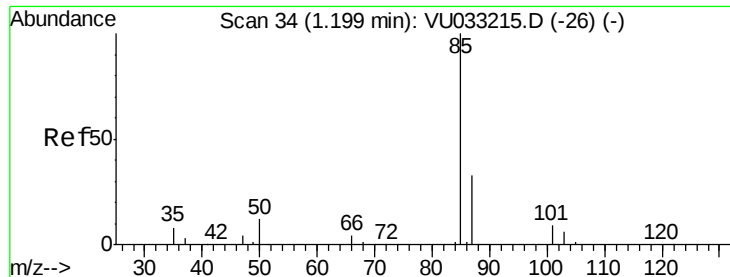
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#2

Dichlorodifluoromethane

Concen: 47.747 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Instrument :

MSVOA_U

ClientSampleId :

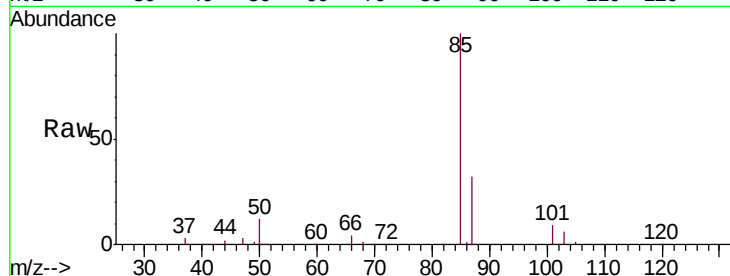
VSTD05048

Tgt Ion: 85 Resp: 150216

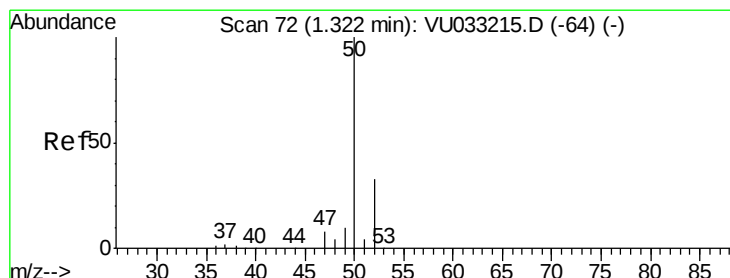
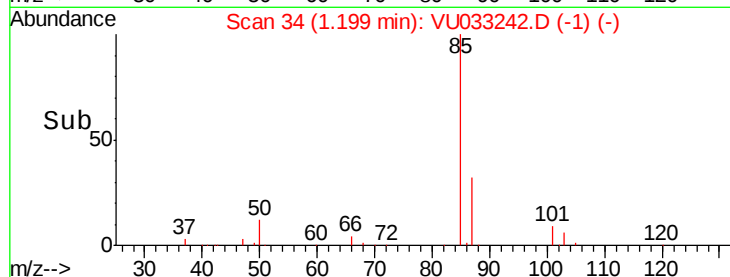
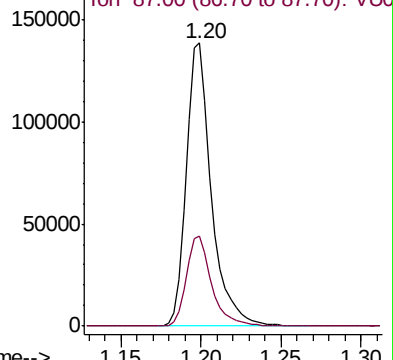
Ion Ratio Lower Upper

85 100

87 32.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033242.D (-1) (-)



#3

Chloromethane

Concen: 48.284 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033242.D

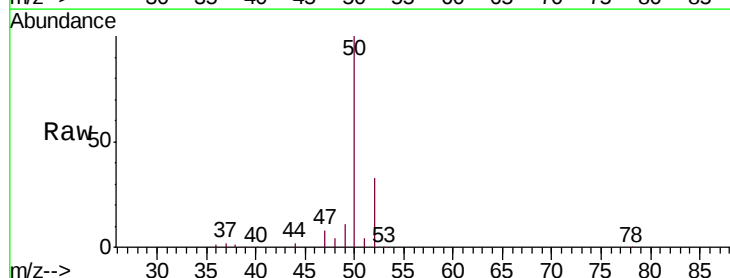
Acq: 12 Jul 2019 23:31

Tgt Ion: 50 Resp: 149651

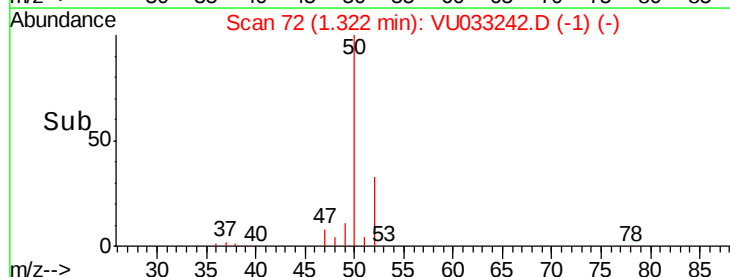
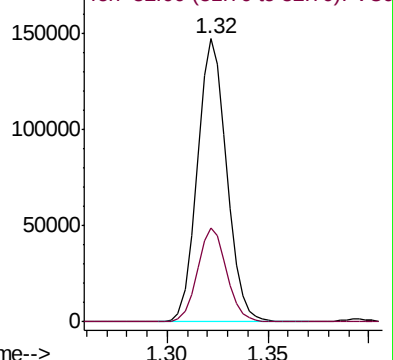
Ion Ratio Lower Upper

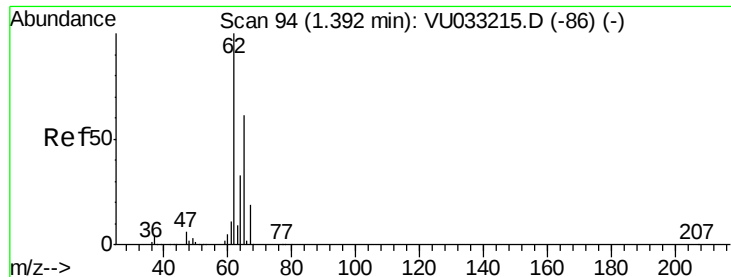
50 100

52 33.3 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU033242.D (-1) (-)





#5

Vinyl chloride

Concen: 47.807 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Instrument :

MSVOA_U

ClientSampleId :

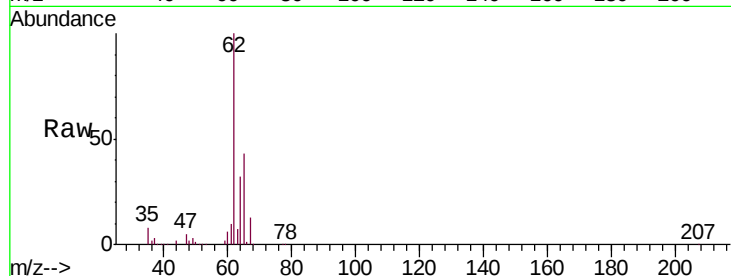
VSTD05048

Tgt Ion: 62 Resp: 171265

Ion Ratio Lower Upper

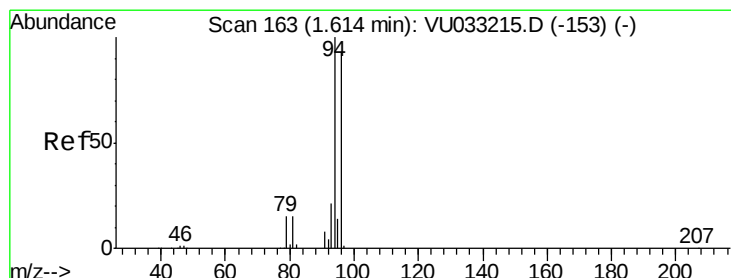
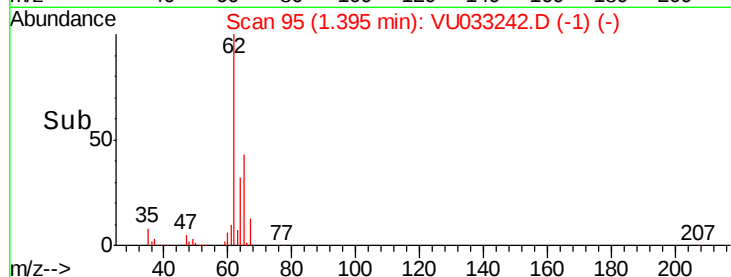
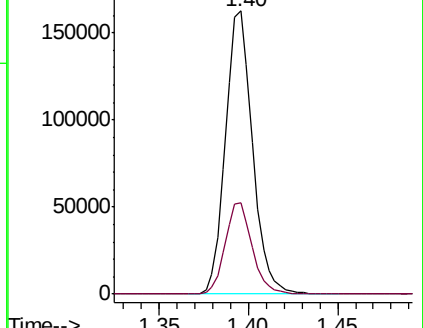
62 100

64 32.3 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU033215.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033215.D (-86) (-)



#6

Bromomethane

Concen: 48.225 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU033242.D

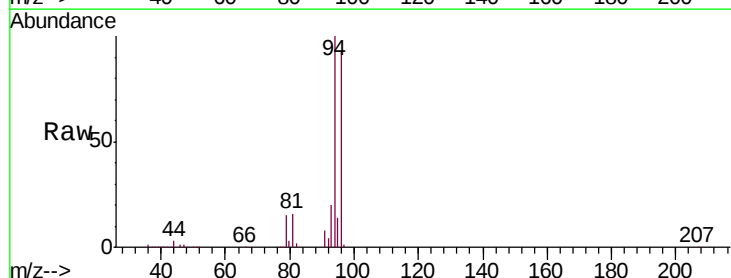
Acq: 12 Jul 2019 23:31

Tgt Ion: 94 Resp: 107702

Ion Ratio Lower Upper

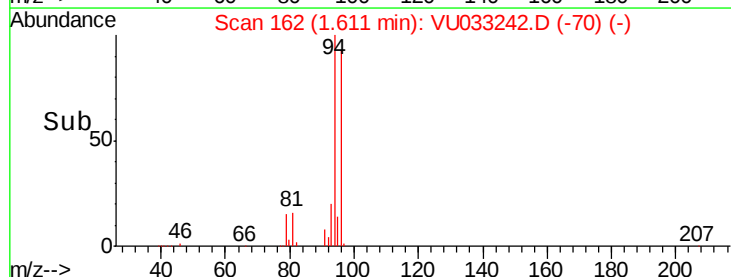
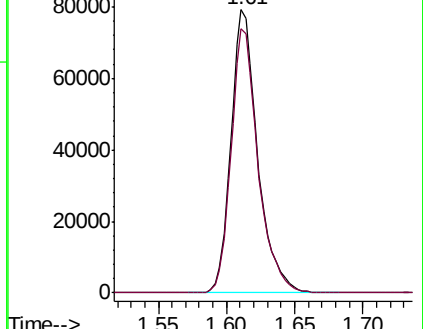
94 100

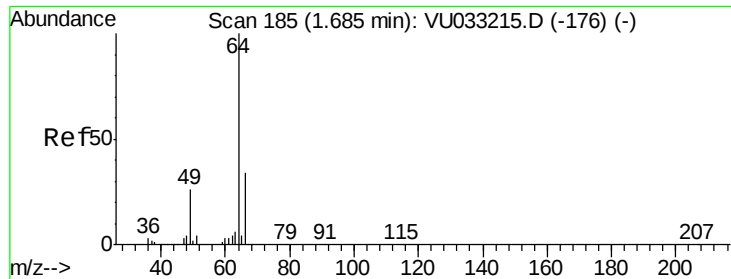
96 93.3 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU033215.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU033215.D (-153) (-)

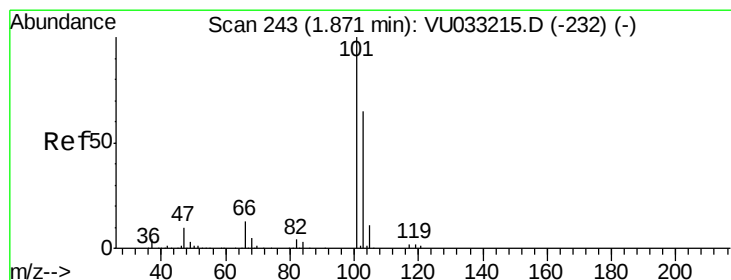
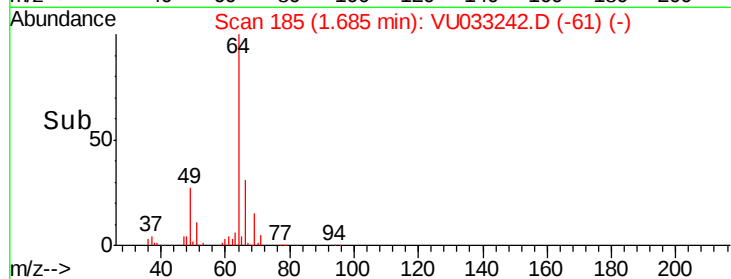
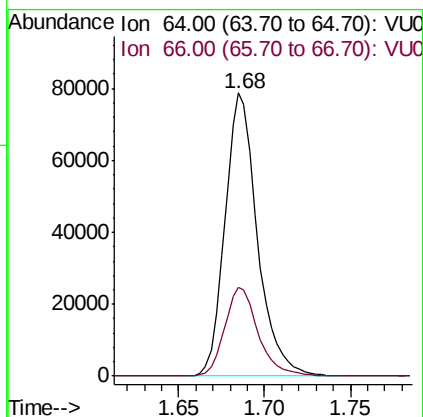
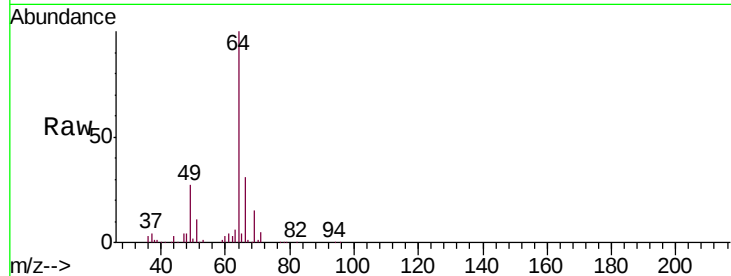




#8
Chloroethane
Concen: 47.837 ug/L
RT: 1.68 min Scan# 185
Delta R.T. -0.00 min
Lab File: VU033242.D
Acq: 12 Jul 2019 23:31

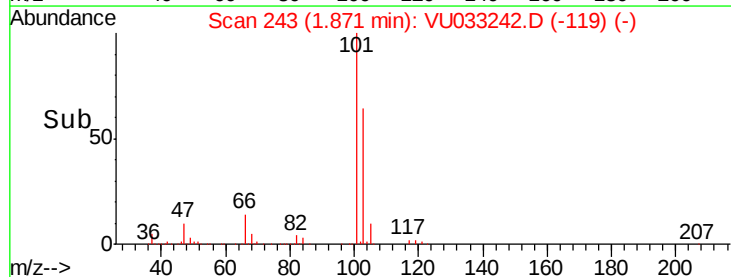
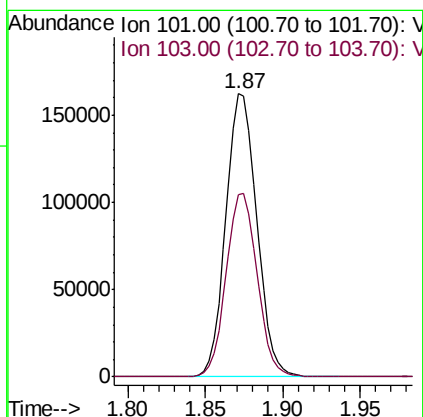
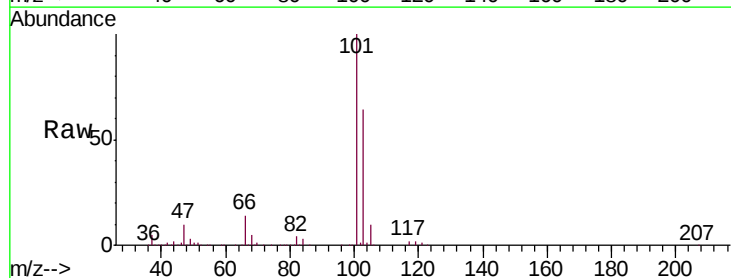
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

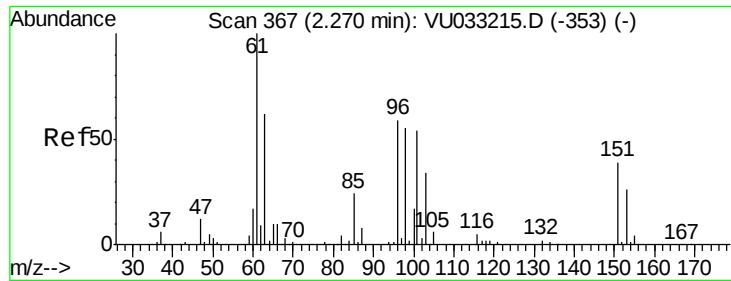
Tgt Ion: 64 Resp: 103656
Ion Ratio Lower Upper
64 100
66 31.3 21.6 40.0



#9
Trichlorofluoromethane
Concen: 47.746 ug/L
RT: 1.87 min Scan# 243
Delta R.T. -0.00 min
Lab File: VU033242.D
Acq: 12 Jul 2019 23:31

Tgt Ion: 101 Resp: 224919
Ion Ratio Lower Upper
101 100
103 64.9 52.2 78.4





#10

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

Concen: 47.683 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

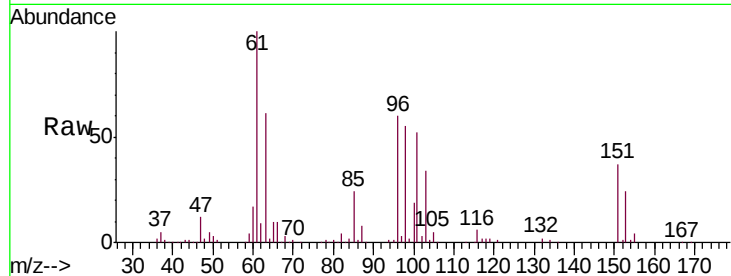
Tgt Ion: 101 Resp: 103271

Ion Ratio Lower Upper

101 100

85 45.4 35.8 53.8

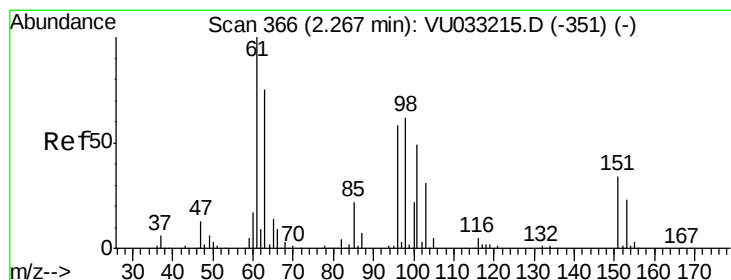
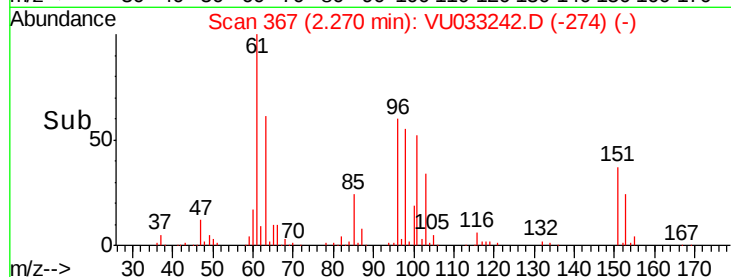
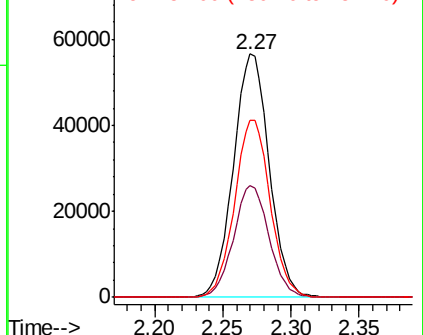
151 72.1 56.7 85.1



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: 47.771 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

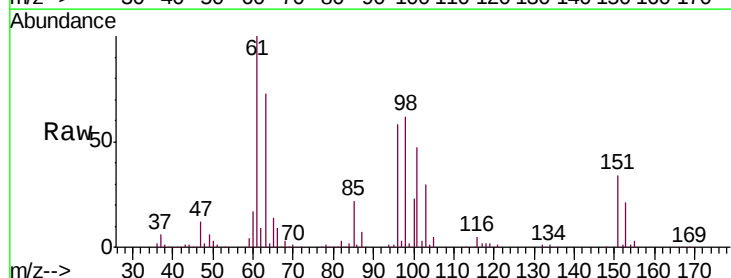
Tgt Ion: 96 Resp: 101226

Ion Ratio Lower Upper

96 100

61 171.5 126.1 234.1

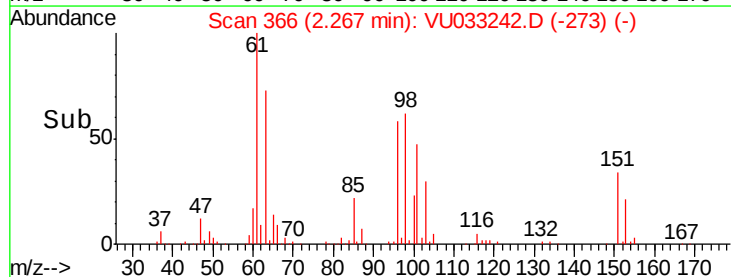
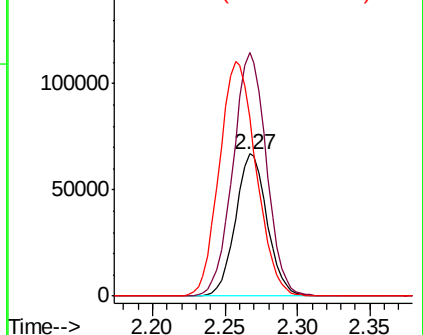
63 125.8 96.8 179.8

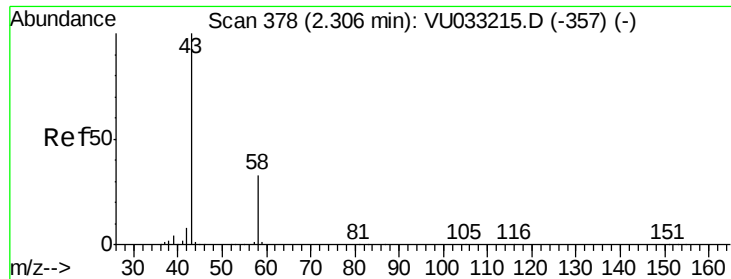


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 68.085 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Instrument :

MSVOA_U

ClientSampleId :

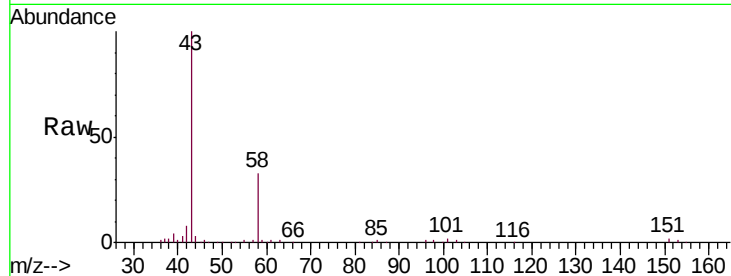
VSTD05048

Tgt Ion: 43 Resp: 129534

Ion Ratio Lower Upper

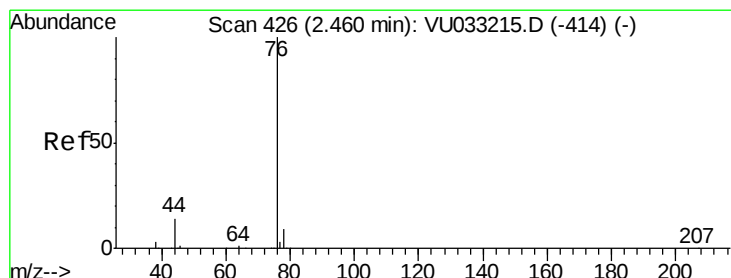
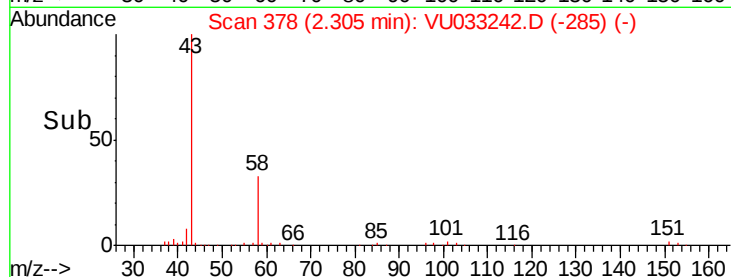
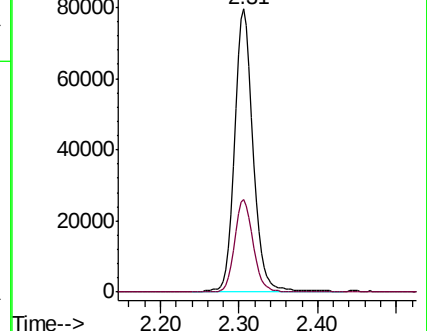
43 100

58 32.0 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033242.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU033242.D (-357) (-)



#14

Carbon disulfide

Concen: 46.813 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033242.D

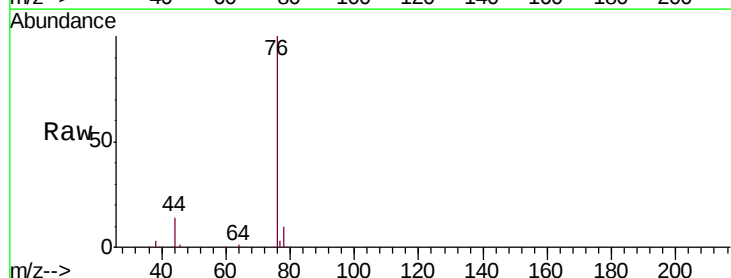
Acq: 12 Jul 2019 23:31

Tgt Ion: 76 Resp: 303379

Ion Ratio Lower Upper

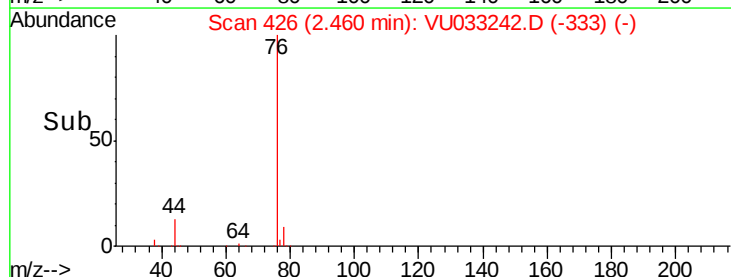
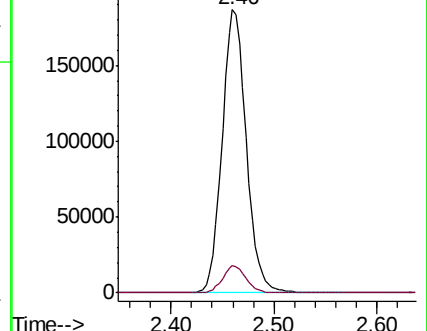
76 100

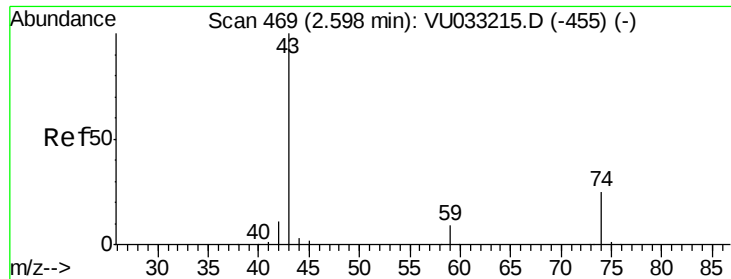
78 9.5 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU033242.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU033242.D (-414) (-)

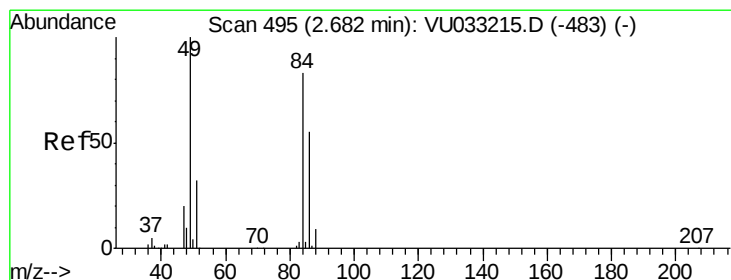
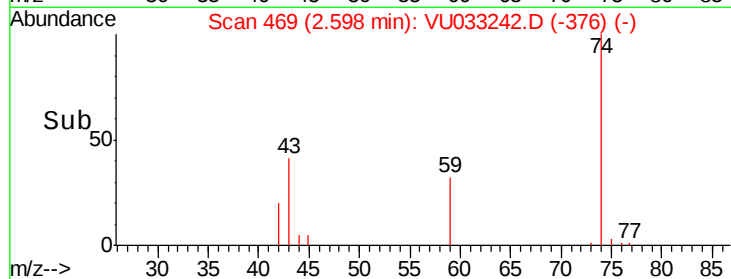
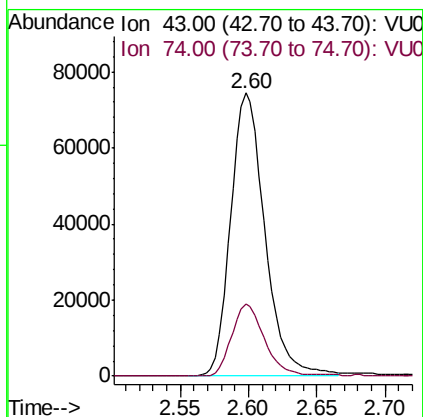
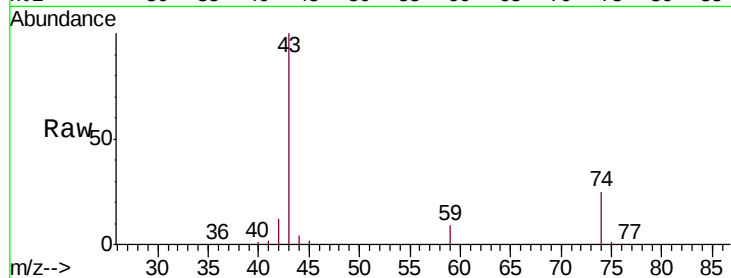




#15
Methyl Acetate
Concen: 52.003 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU033242.D
Acq: 12 Jul 2019 23:31

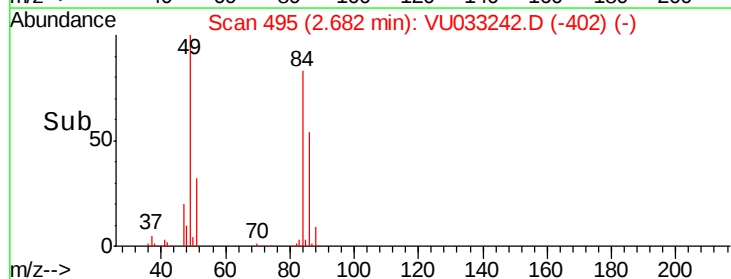
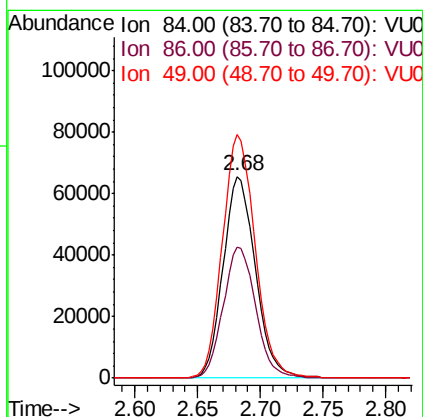
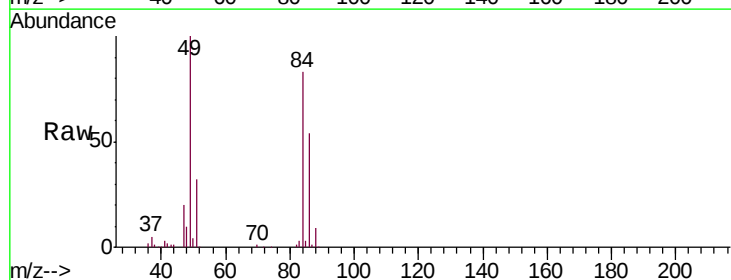
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

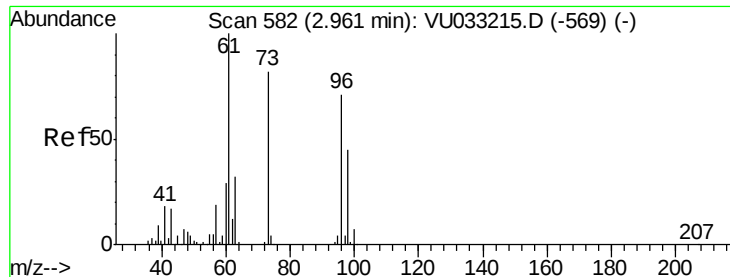
Tgt Ion: 43 Resp: 129201
Ion Ratio Lower Upper
43 100
74 24.5 19.9 29.9



#16
Methylene chloride
Concen: 48.595 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033242.D
Acq: 12 Jul 2019 23:31

Tgt Ion: 84 Resp: 117570
Ion Ratio Lower Upper
84 100
86 65.0 45.7 84.9
49 120.8 87.7 162.9





#17

trans-1,2-Dichloroethene

Concen: 48.639 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

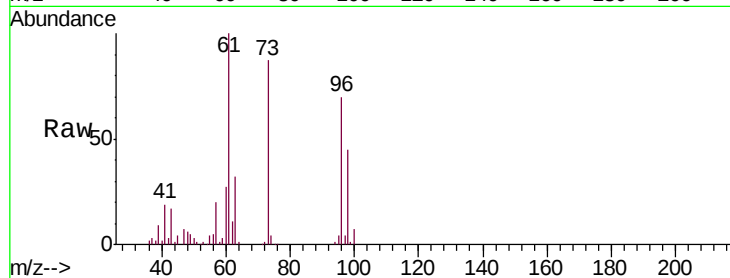
Tgt Ion: 96 Resp: 106520

Ion Ratio Lower Upper

96 100

61 141.9 100.2 186.2

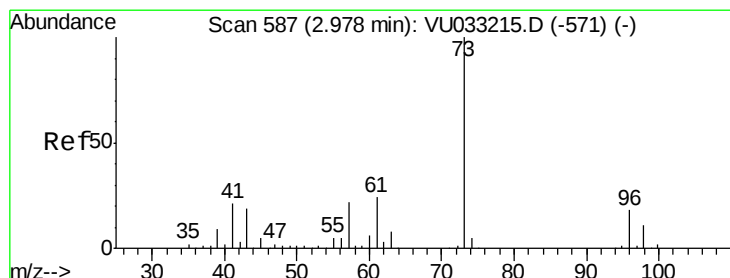
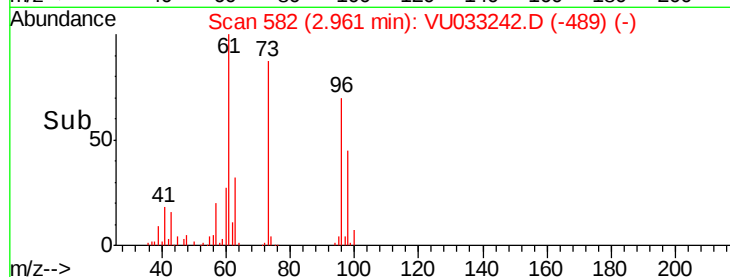
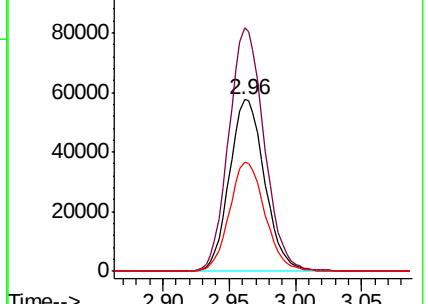
98 63.8 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VU033215.D (-569) (-)

Ion 61.00 (60.70 to 61.70): VU033215.D (-569) (-)

Ion 98.00 (97.70 to 98.70): VU033215.D (-569) (-)



#18

Methyl tert-butyl Ether

Concen: 50.029 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

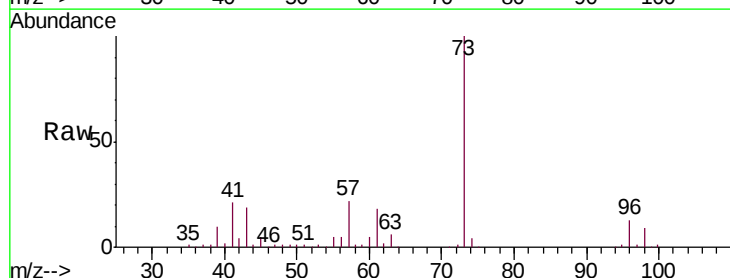
Tgt Ion: 73 Resp: 338186

Ion Ratio Lower Upper

73 100

43 19.6 15.7 23.5

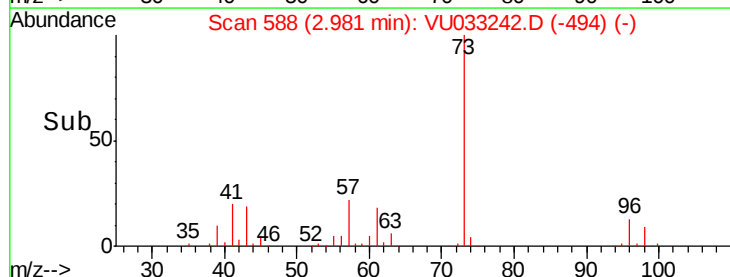
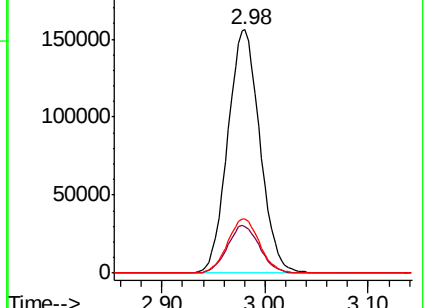
57 22.4 17.8 26.6

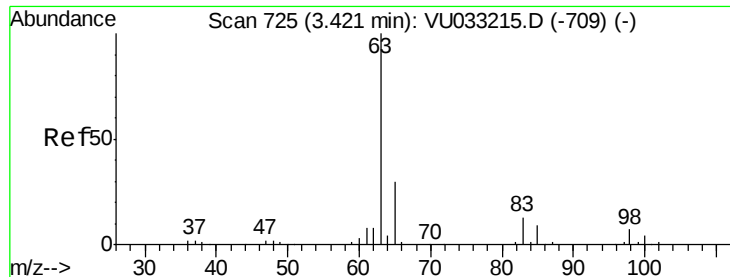


Abundance Ion 73.00 (72.70 to 73.70): VU033215.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033215.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU033215.D (-571) (-)





#19

1,1-Dichloroethane

Concen: 49.897 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

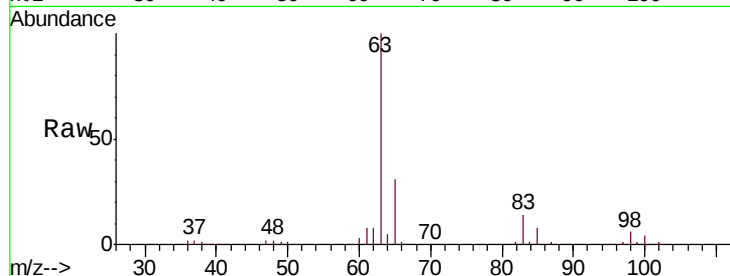
Tgt Ion: 63 Resp: 210052

Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.5

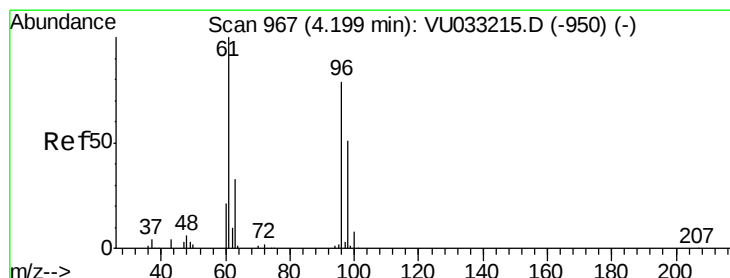
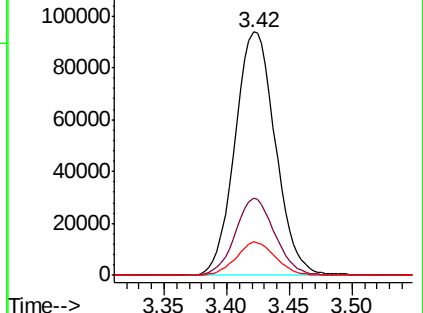
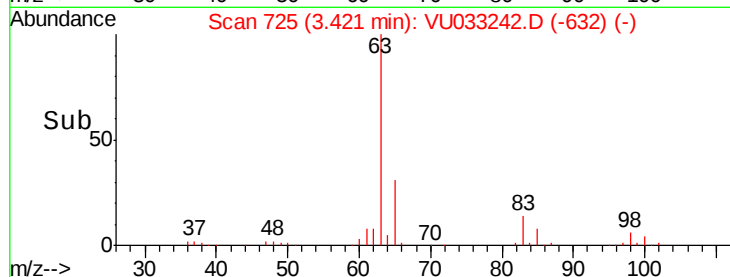
83 13.6 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU033242.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033242.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033242.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.068 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

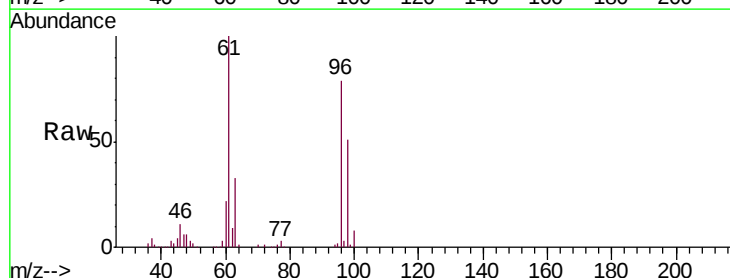
Tgt Ion: 96 Resp: 123680

Ion Ratio Lower Upper

96 100

61 126.2 91.1 169.1

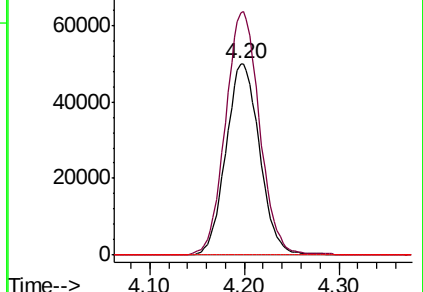
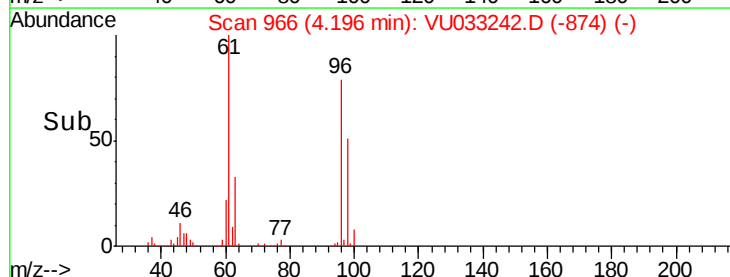
68 0.0 0.0 0.0

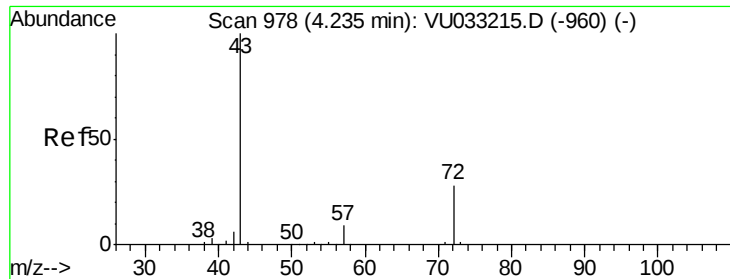


Abundance Ion 96.00 (95.70 to 96.70): VU033242.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU033242.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033242.D (-874) (-)





#22

2-Butanone

Concen: 89.670 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Instrument :

MSVOA_U

ClientSampleId :

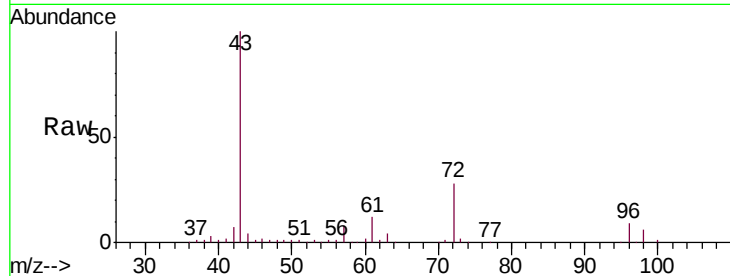
VSTD05048

Tgt Ion: 43 Resp: 189519

Ion Ratio Lower Upper

43 100

72 28.7 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU033215.D (-960) (-)

Ion 72.00 (71.70 to 72.70): VU033215.D (-960) (-)

4.23

80000

60000

40000

20000

0

Time--> 4.10 4.20 4.30

4.23

80000

60000

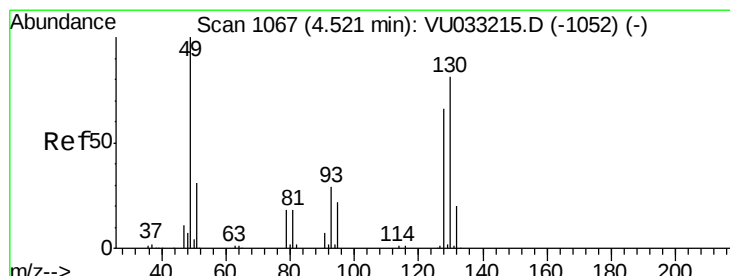
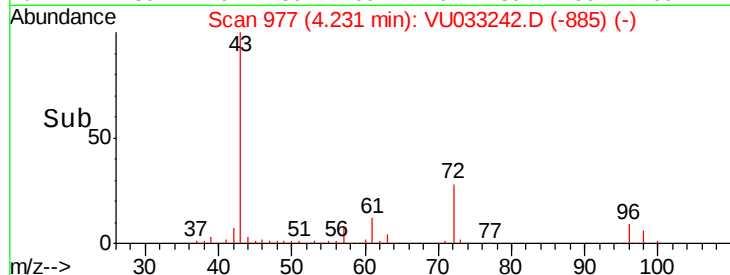
40000

20000

0

Time--> 4.10 4.20 4.30

4.23



#23

Bromochloromethane

Concen: 50.329 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Tgt Ion: 128 Resp: 63662

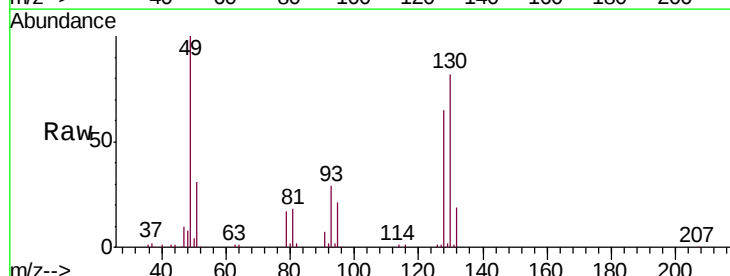
Ion Ratio Lower Upper

128 100

49 155.0 107.2 199.2

130 127.5 87.0 161.6

51 47.4 39.6 59.4



Abundance Ion 128.00 (127.70 to 128.70): VU033215.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033215.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033215.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU033215.D (-1052) (-)

60000

50000

40000

30000

20000

10000

0

Time--> 4.40 4.50 4.60

4.52

60000

50000

40000

30000

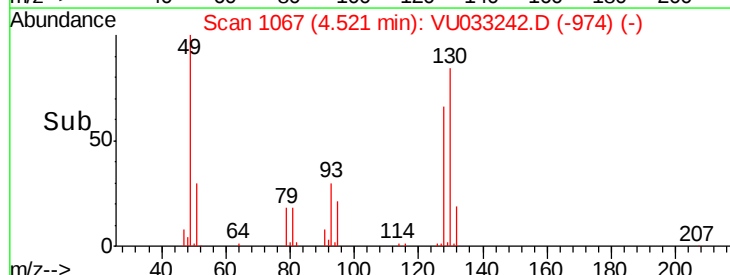
20000

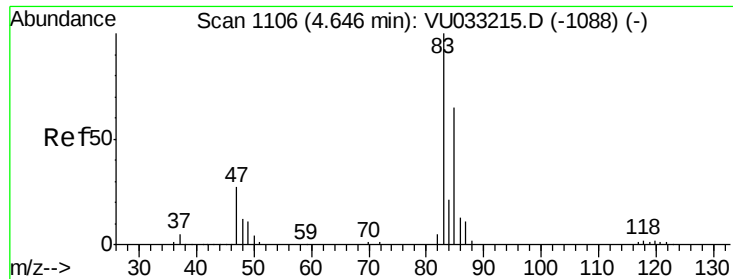
10000

0

Time--> 4.40 4.50 4.60

4.52

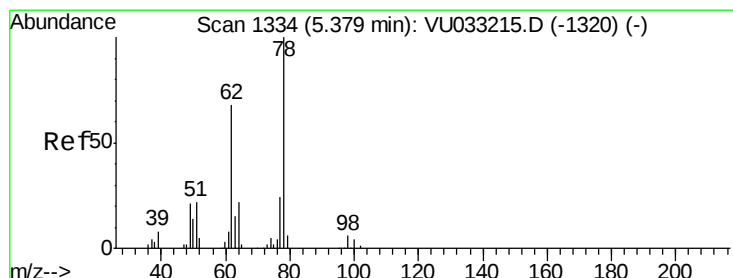
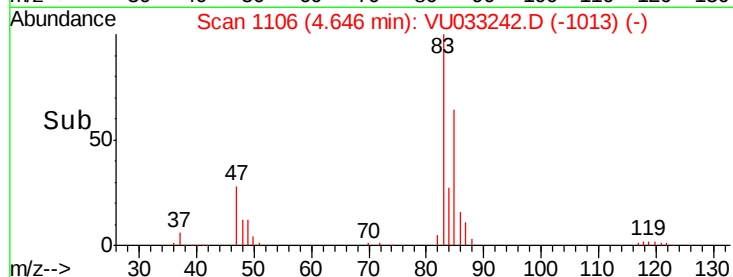
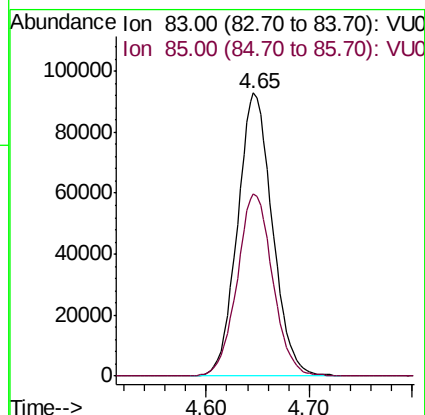
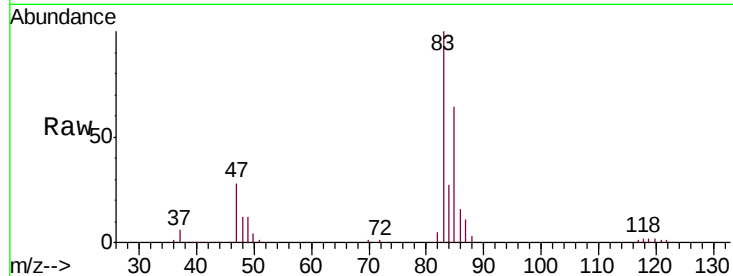




#25
Chloroform
Concen: 48.731 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033242.D
Acq: 12 Jul 2019 23:31

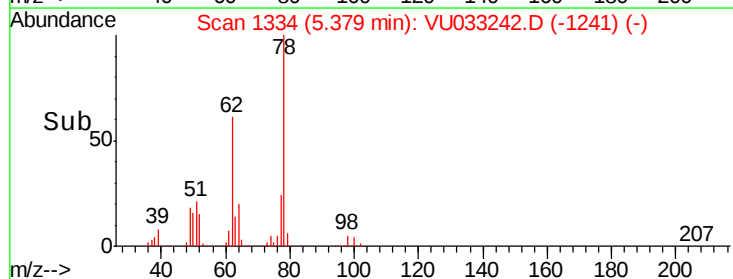
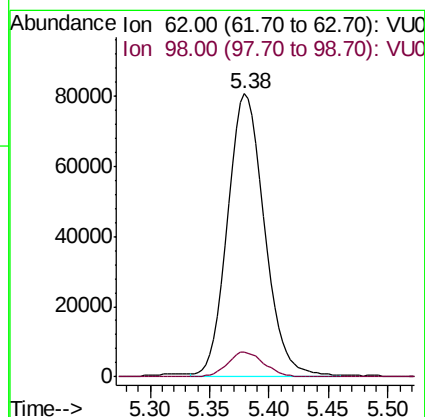
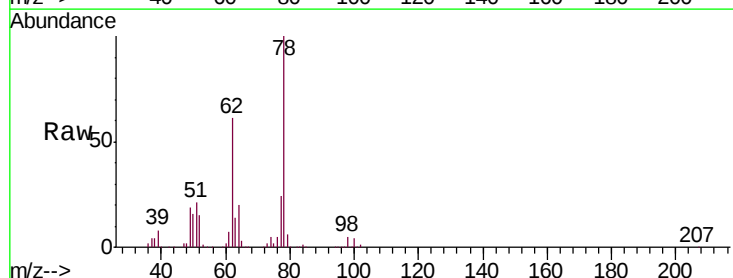
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

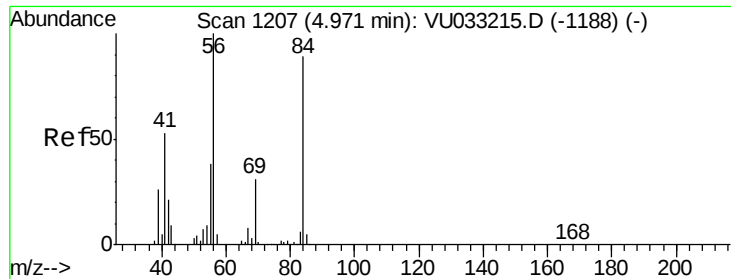
Tgt Ion: 83 Resp: 218180
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 50.306 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033242.D
Acq: 12 Jul 2019 23:31

Tgt Ion: 62 Resp: 174411
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.6

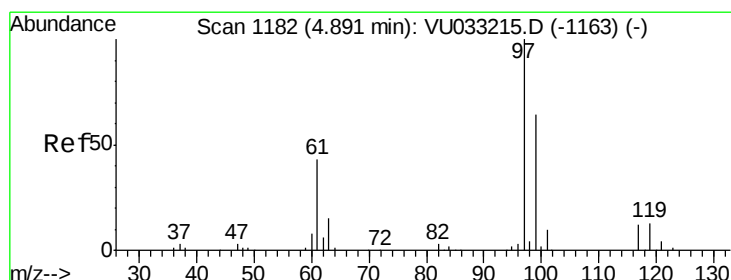
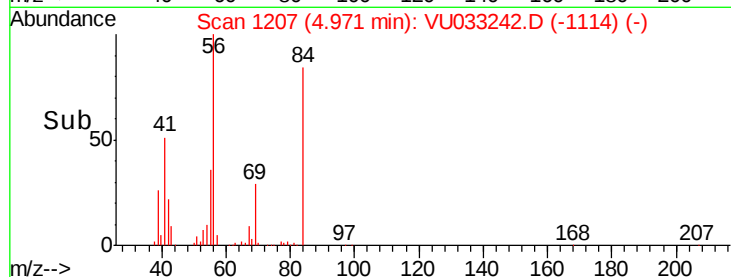
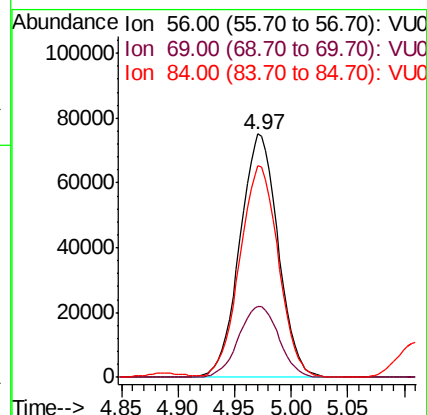
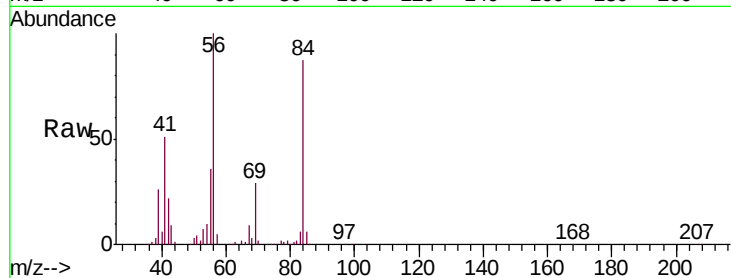




#29
Cyclohexane
Concen: 51.541 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033242.D
Acq: 12 Jul 2019 23:31

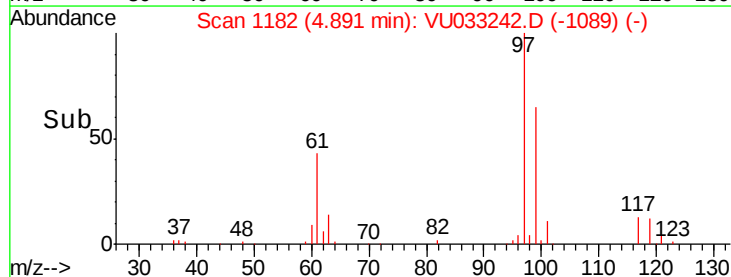
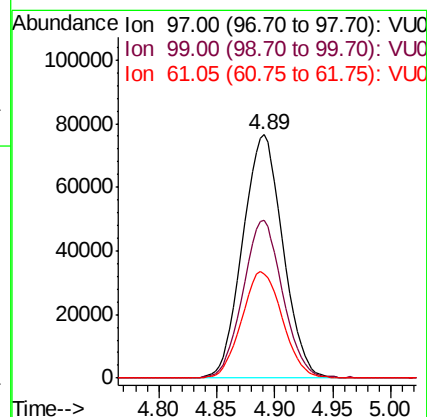
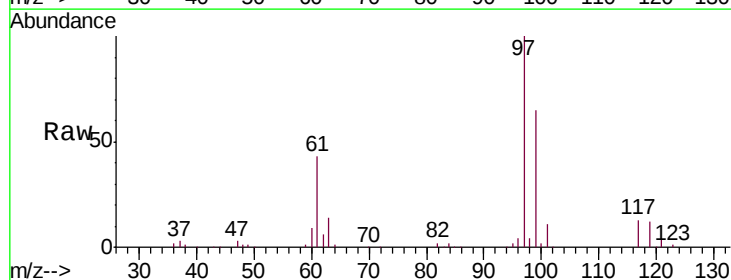
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

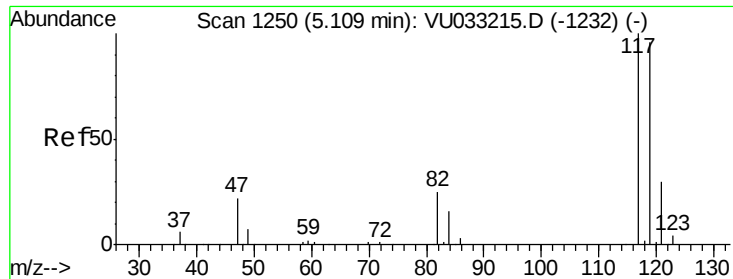
Tgt Ion: 56 Resp: 176544
Ion Ratio Lower Upper
56 100
69 30.7 24.7 37.1
84 88.2 70.2 105.2



#30
1,1,1-Trichloroethane
Concen: 50.420 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033242.D
Acq: 12 Jul 2019 23:31

Tgt Ion: 97 Resp: 184911
Ion Ratio Lower Upper
97 100
99 63.9 51.5 77.3
61 44.3 36.4 54.6





#31

Carbon tetrachloride

Concen: 50.566 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Instrument :

MSVOA_U

ClientSampleId :

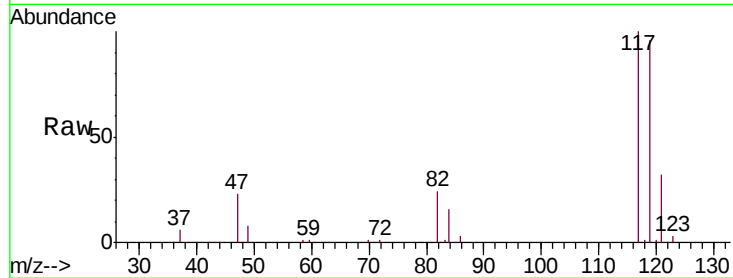
VSTD05048

Tgt Ion:117 Resp: 162287

Ion Ratio Lower Upper

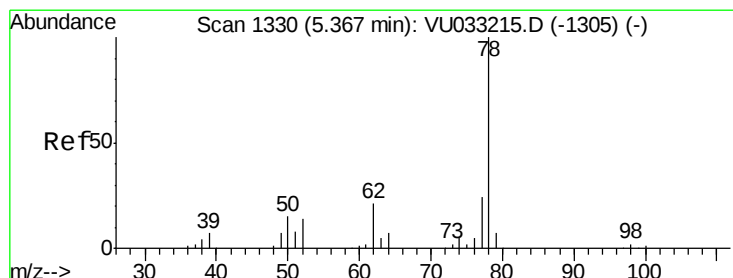
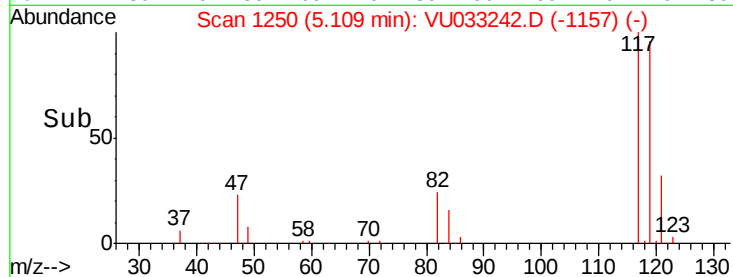
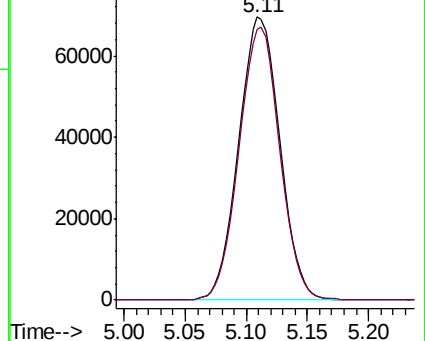
117 100

119 95.5 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.470 ug/L

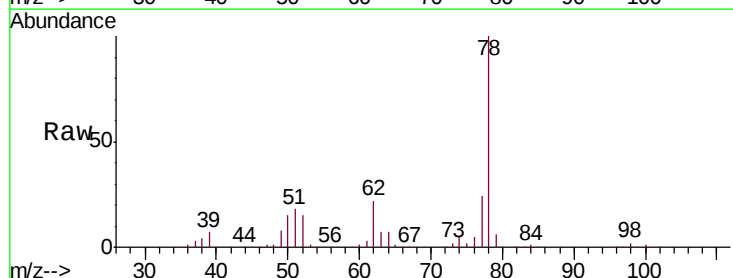
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

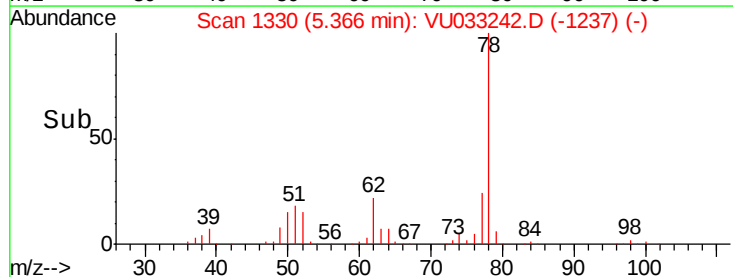
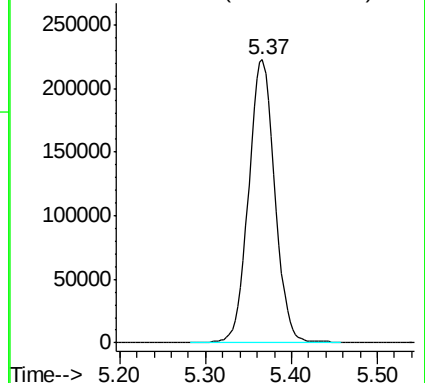
Lab File: VU033242.D

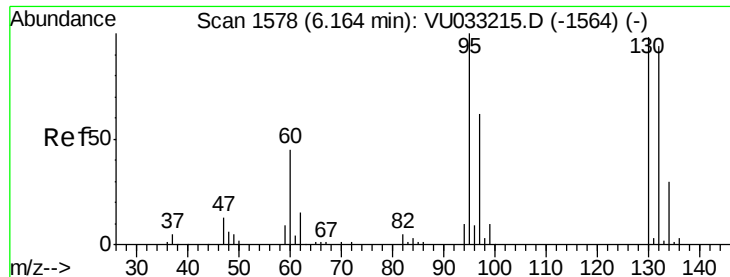
Acq: 12 Jul 2019 23:31

Tgt Ion: 78 Resp: 471846



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.174 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

Tgt Ion: 95 Resp: 120292

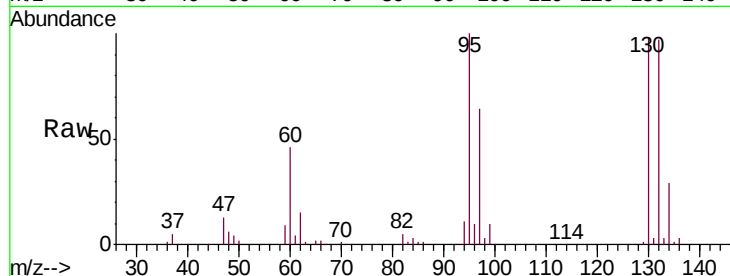
Ion Ratio Lower Upper

95 100

97 64.3 43.8 81.4

132 96.6 65.5 121.6

130 98.2 69.7 129.5

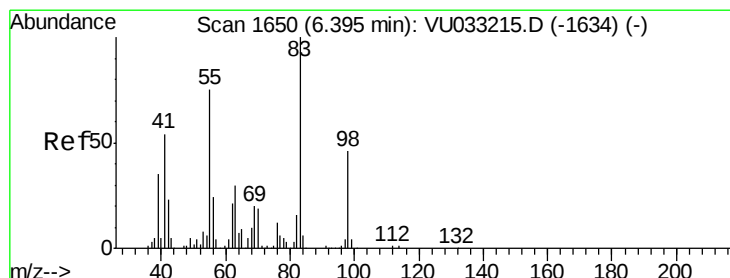
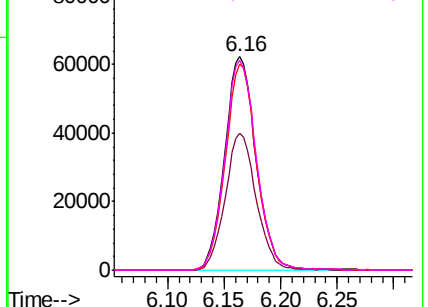
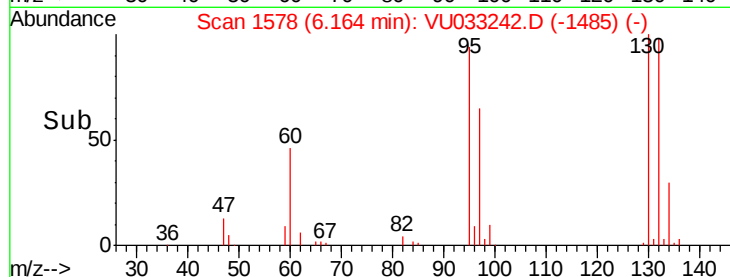


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 51.099 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

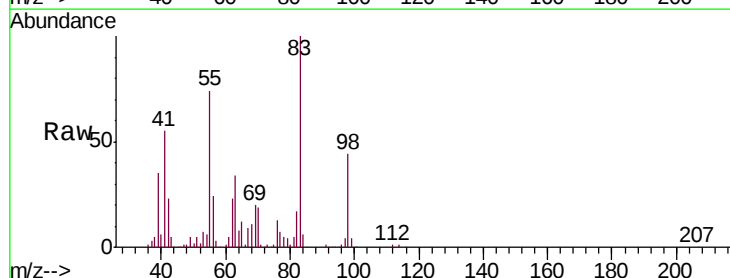
Tgt Ion: 83 Resp: 187667

Ion Ratio Lower Upper

83 100

55 74.6 60.5 90.7

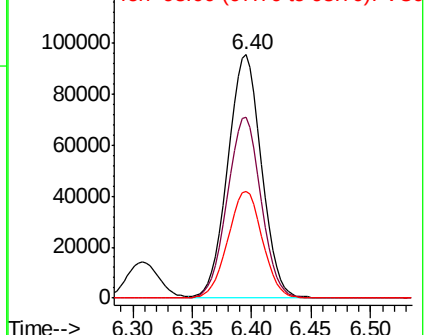
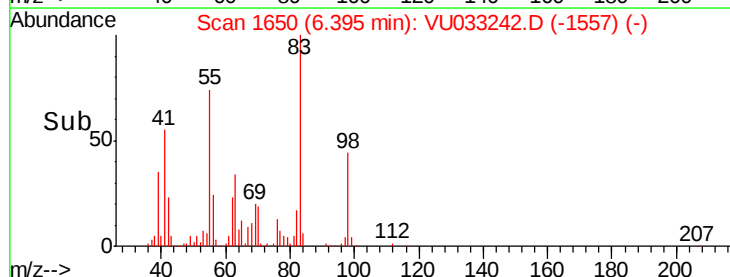
98 45.2 37.4 56.0

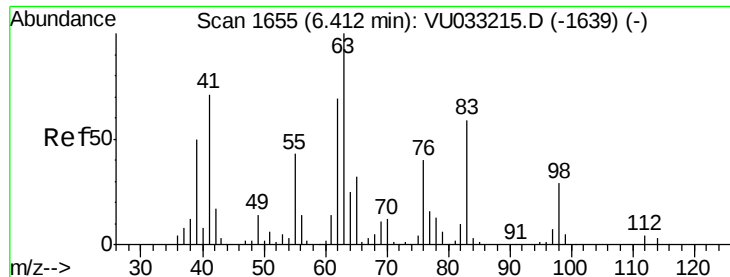


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

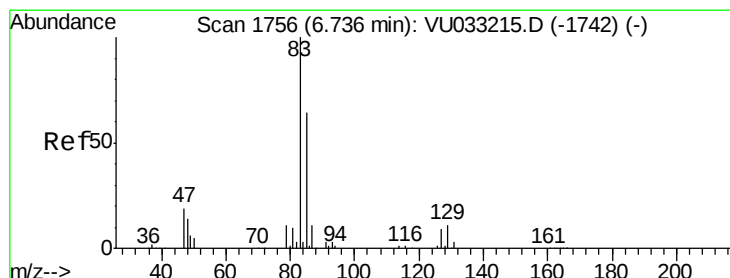
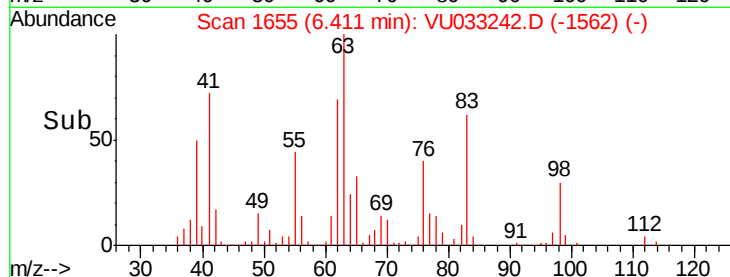
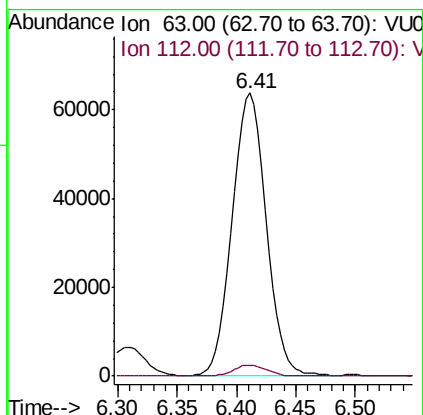
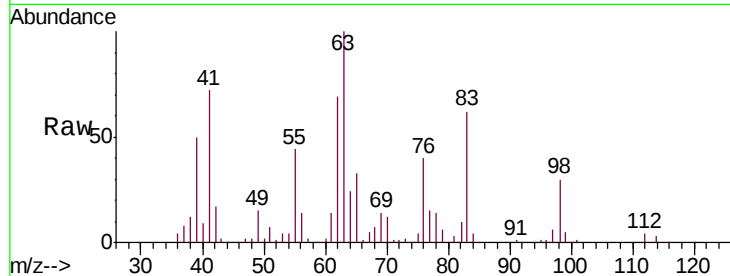




#37
 1,2-Dichloropropane
 Concen: 50.824 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033242.D
 Acq: 12 Jul 2019 23:31

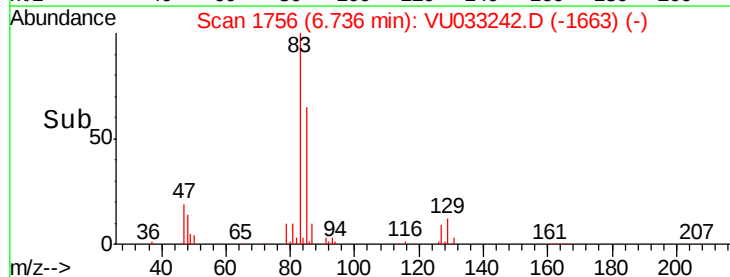
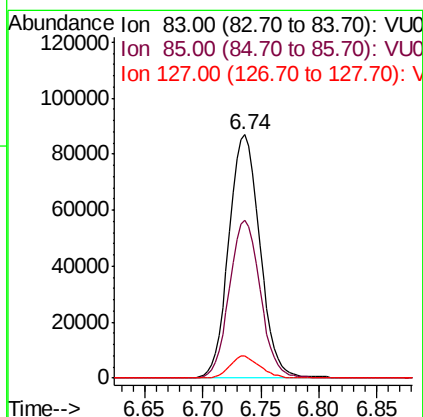
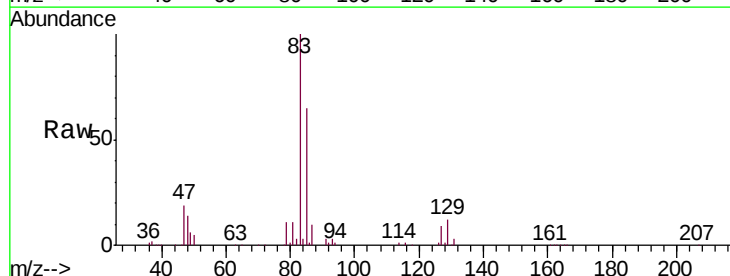
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

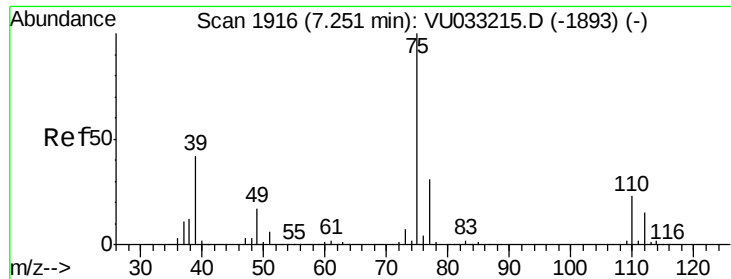
Tgt Ion: 63 Resp: 126356
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#38
 Bromodichloromethane
 Concen: 50.634 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033242.D
 Acq: 12 Jul 2019 23:31

Tgt Ion: 83 Resp: 162381
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.8 85.0
 127 9.0 6.8 10.2

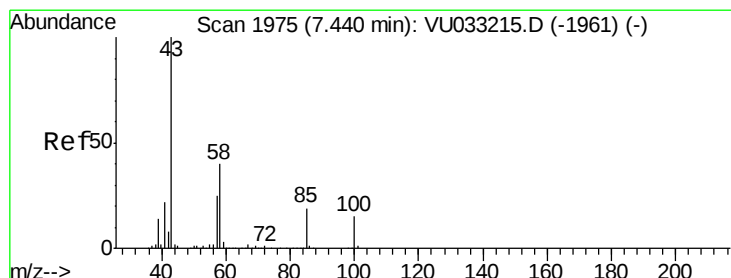
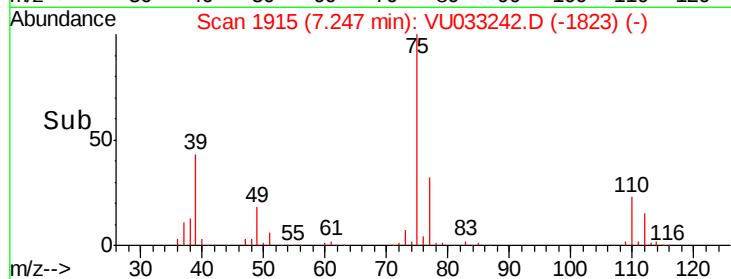
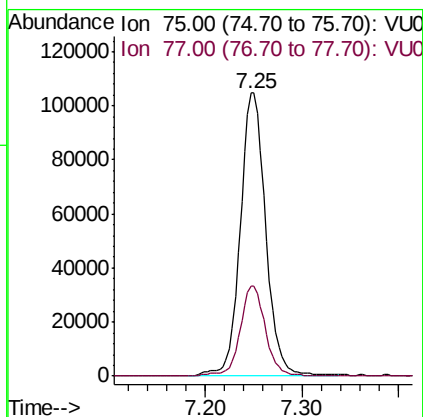
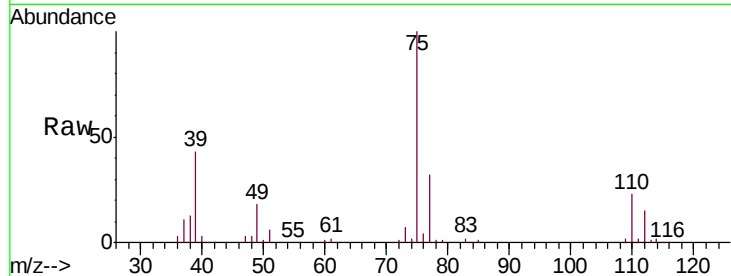




#39
 cis-1,3-Dichloropropene
 Concen: 50.339 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU033242.D
 Acq: 12 Jul 2019 23:31

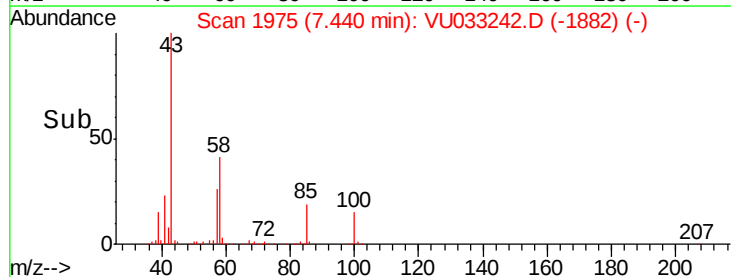
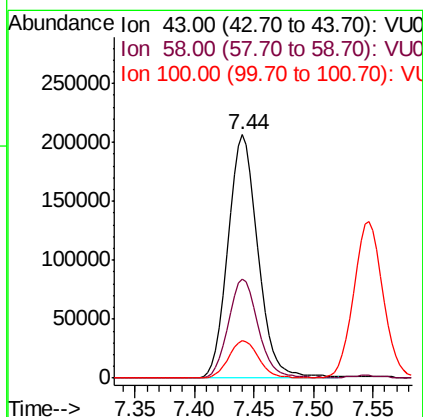
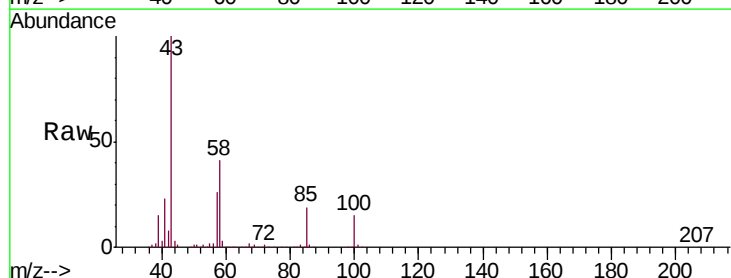
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

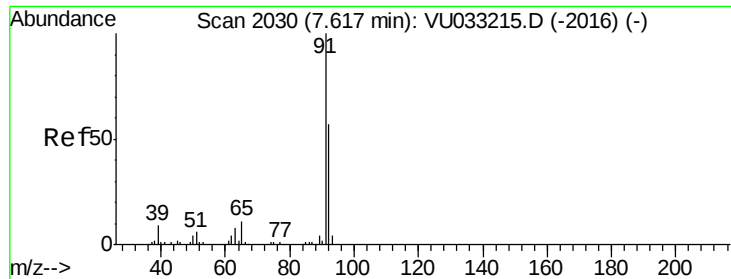
Tgt Ion: 75 Resp: 191887
 Ion Ratio Lower Upper
 75 100
 77 31.9 23.1 42.9



#40
 4-Methyl-2-pentanone
 Concen: 108.536 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033242.D
 Acq: 12 Jul 2019 23:31

Tgt Ion: 43 Resp: 361981
 Ion Ratio Lower Upper
 43 100
 58 40.5 33.3 49.9
 100 15.4 12.1 18.1





#42

Toluene

Concen: 51.975 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Instrument :

MSVOA_U

ClientSampleId :

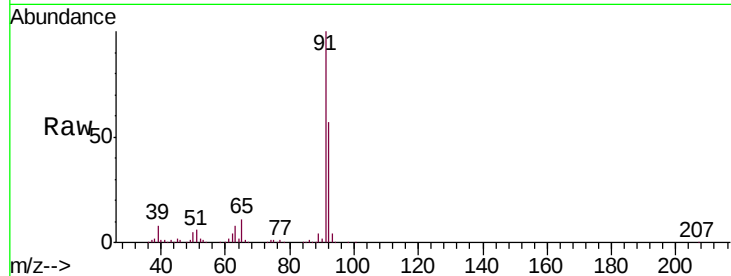
VSTD05048

Tgt Ion: 91 Resp: 513684

Ion Ratio Lower Upper

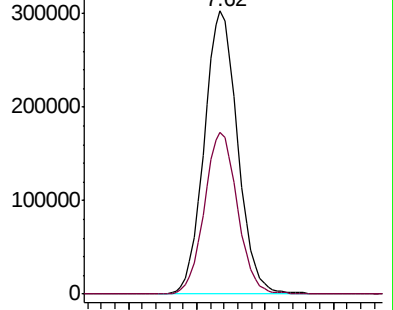
91 100

92 57.3 39.8 74.0

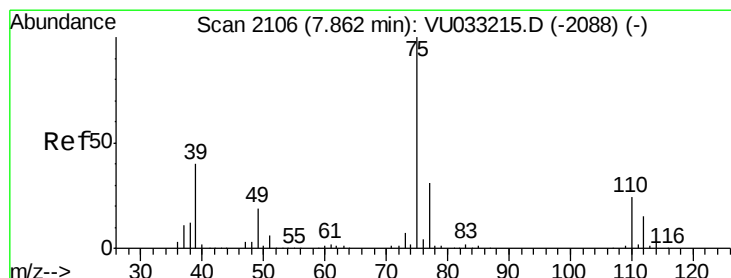
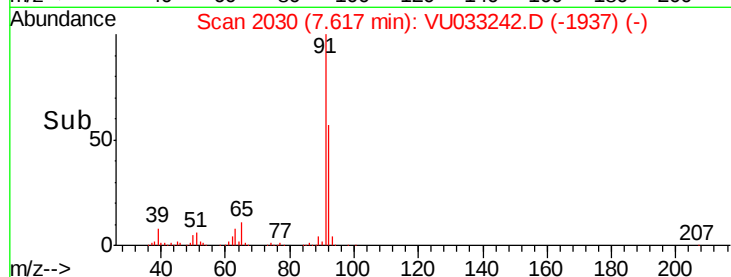


Abundance Ion 91.00 (90.70 to 91.70): VU033215.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033215.D (-2016) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.935 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033242.D

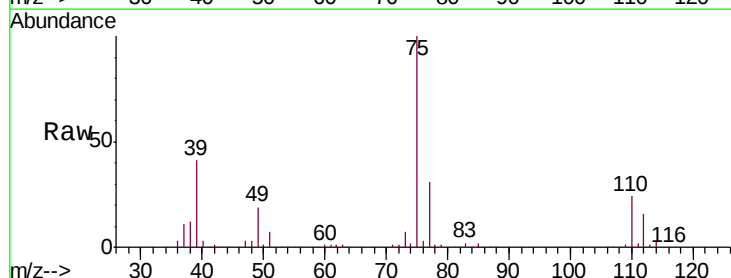
Acq: 12 Jul 2019 23:31

Tgt Ion: 75 Resp: 175099

Ion Ratio Lower Upper

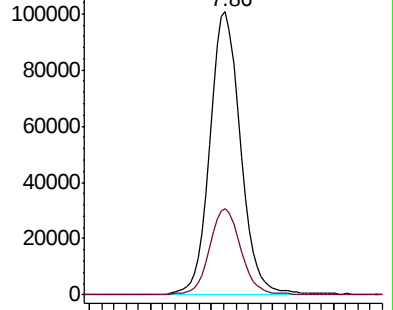
75 100

77 30.6 22.4 41.6

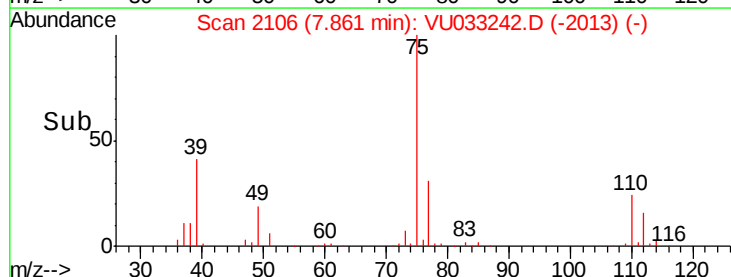


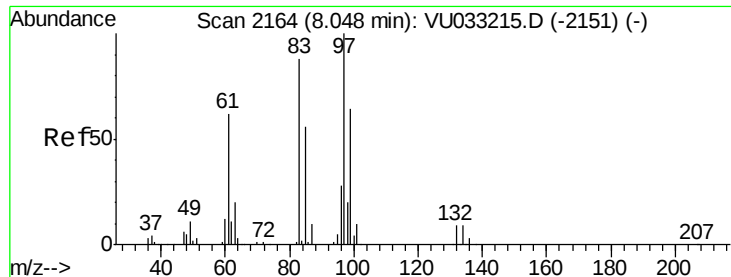
Abundance Ion 75.00 (74.70 to 75.70): VU033215.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033215.D (-2088) (-)



Time-->

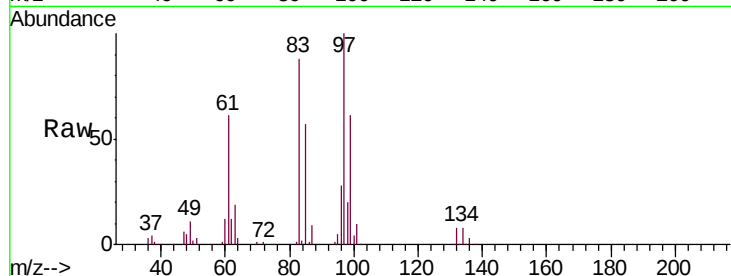




#45
 1,1,2-Trichloroethane
 Concen: 50.983 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033242.D
 Acq: 12 Jul 2019 23:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Tgt Ion:	97	Resp:	119877
Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.0	79.8
83	87.9	61.5	114.3
85	57.5	38.8	72.0



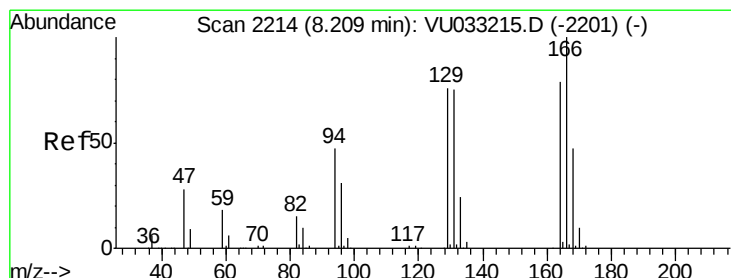
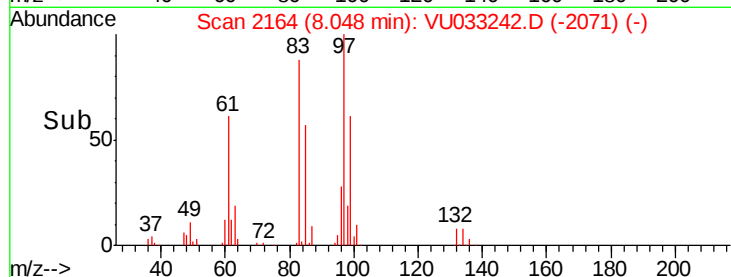
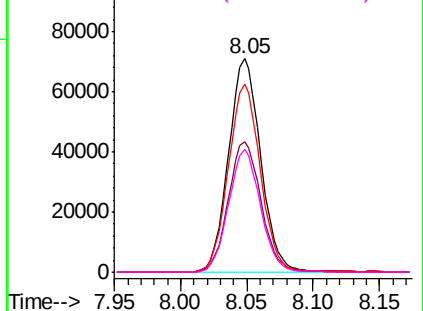
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

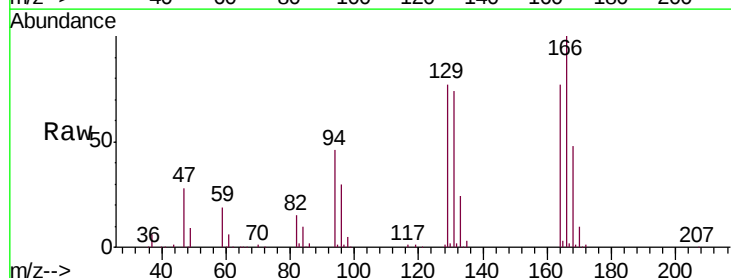
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 49.609 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033242.D
 Acq: 12 Jul 2019 23:31

Tgt Ion:	164	Resp:	92073
Ion	Ratio	Lower	Upper
164	100		
129	99.5	69.6	129.2
131	95.6	65.7	122.1
166	129.1	88.5	164.4



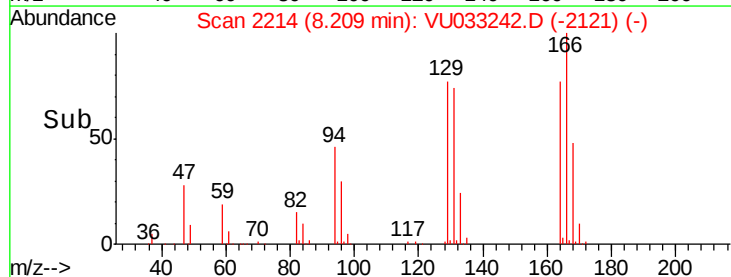
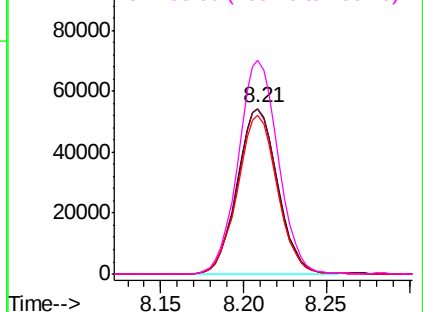
Abundance

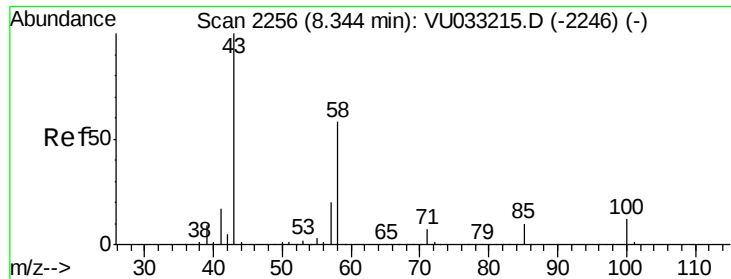
Ion 164.00 (163.70 to 164.70): V

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

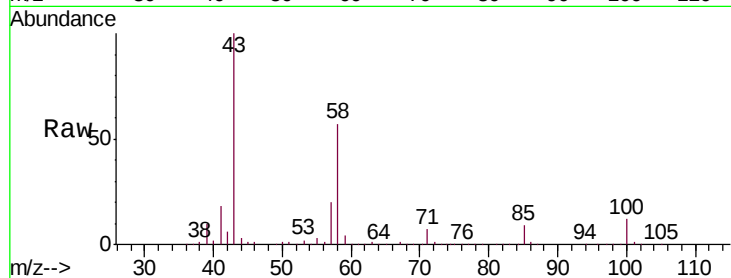




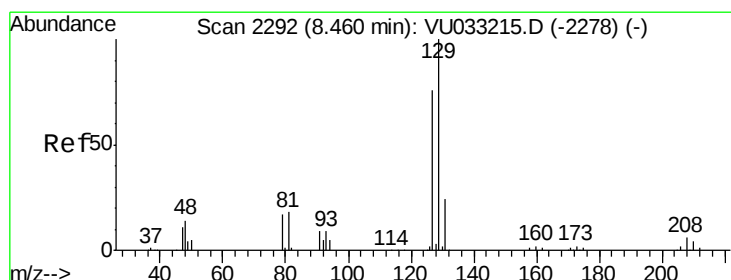
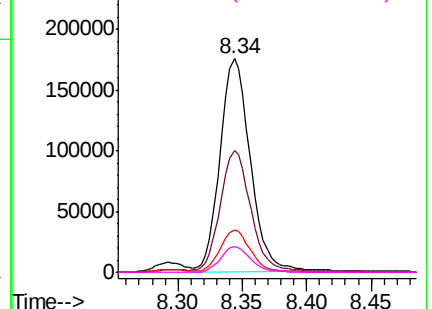
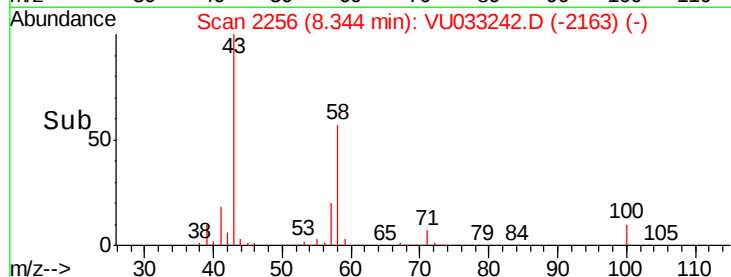
#48
2-Hexanone
Concen: 105.325 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033242.D
Acq: 12 Jul 2019 23:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Tgt Ion: 43 Resp: 286176
Ion Ratio Lower Upper
43 100
58 57.4 46.1 69.1
57 19.9 15.8 23.8
100 12.1 9.4 14.2

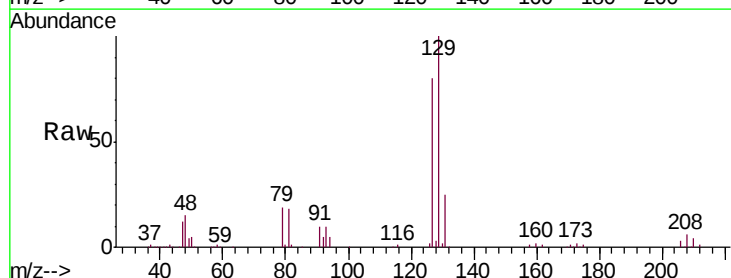


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

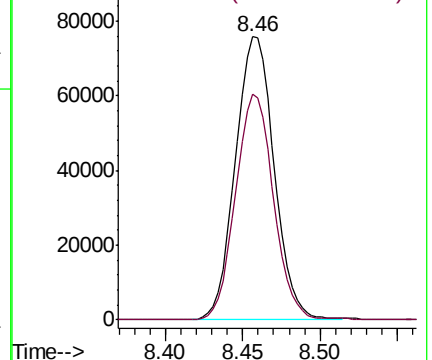
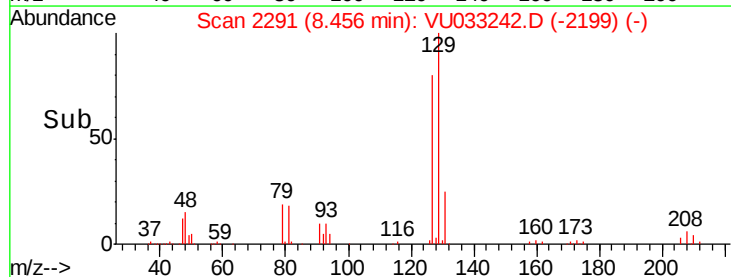


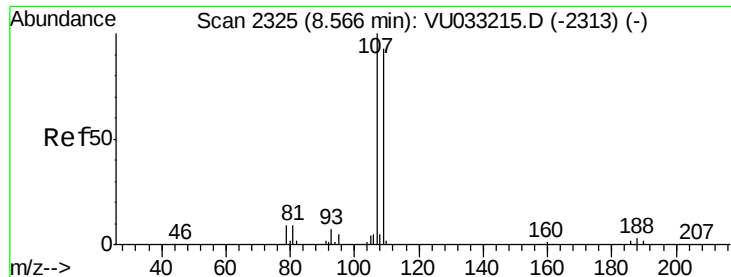
#49
Dibromochloromethane
Concen: 50.428 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033242.D
Acq: 12 Jul 2019 23:31

Tgt Ion: 129 Resp: 132267
Ion Ratio Lower Upper
129 100
127 79.7 54.3 100.9



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

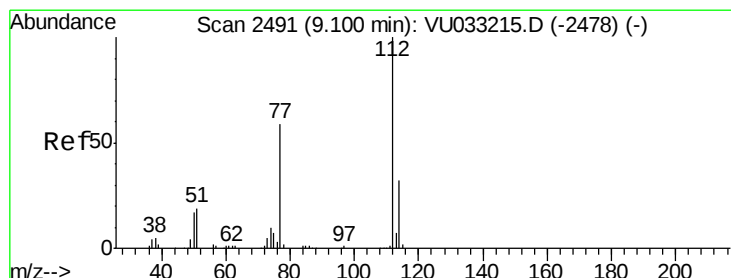
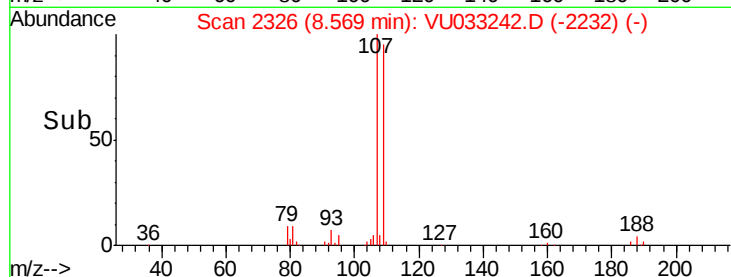
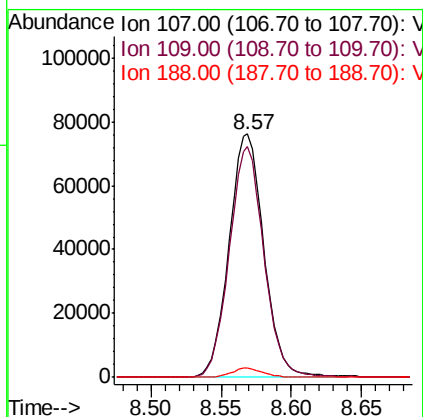
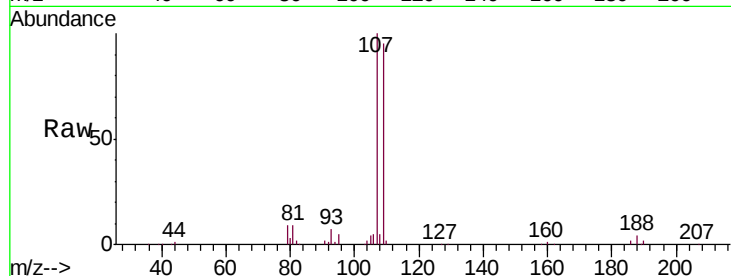




#50
1,2-Dibromoethane
Concen: 51.251 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033242.D
Acq: 12 Jul 2019 23:31

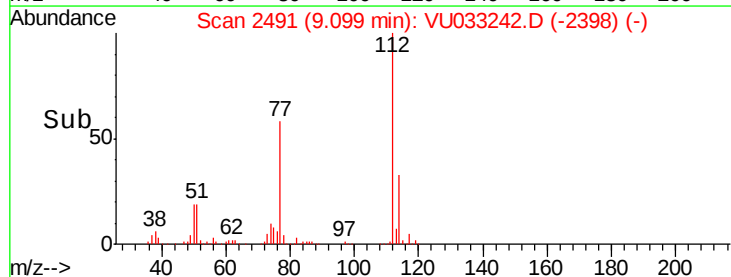
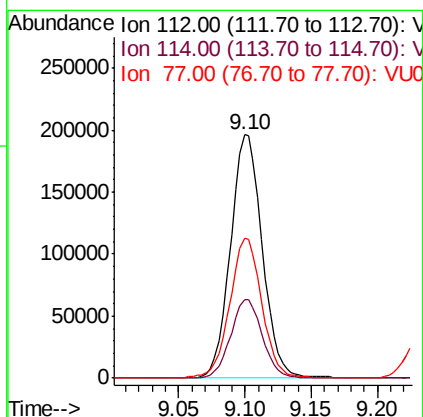
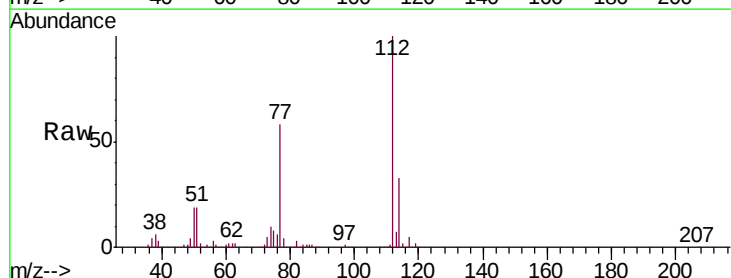
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

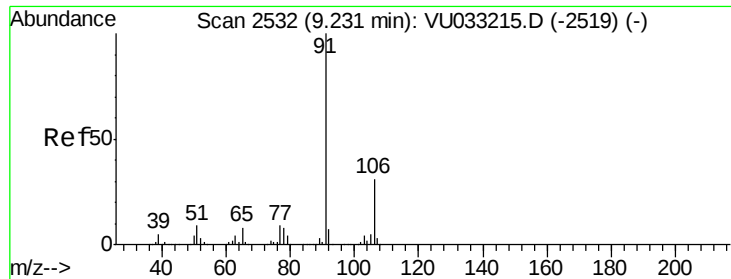
Tgt Ion:107 Resp: 131392
Ion Ratio Lower Upper
107 100
109 94.8 64.2 119.2
188 3.7 2.6 4.0



#51
Chlorobenzene
Concen: 50.612 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033242.D
Acq: 12 Jul 2019 23:31

Tgt Ion:112 Resp: 326497
Ion Ratio Lower Upper
112 100
114 32.5 22.3 41.3
77 57.7 47.2 70.8





#52

Ethylbenzene

Concen: 52.156 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Instrument :

MSVOA_U

ClientSampleId :

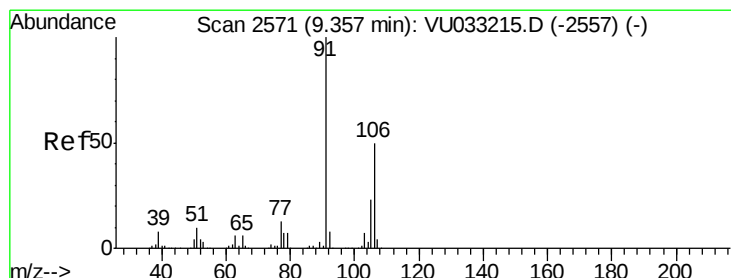
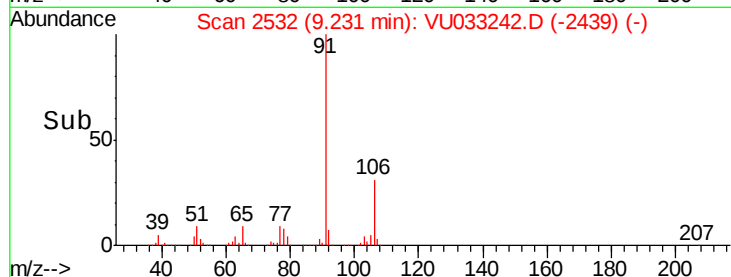
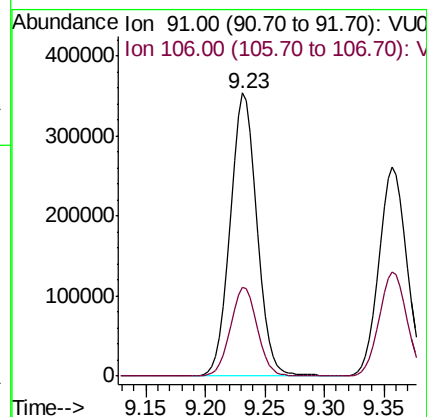
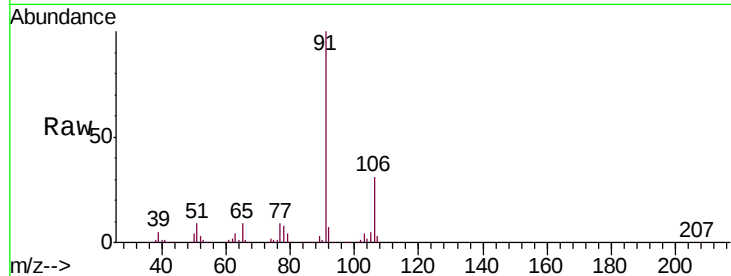
VSTD05048

Tgt Ion: 91 Resp: 551593

Ion Ratio Lower Upper

91 100

106 31.4 22.2 41.2



#53

m,p-Xylene

Concen: 52.737 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033242.D

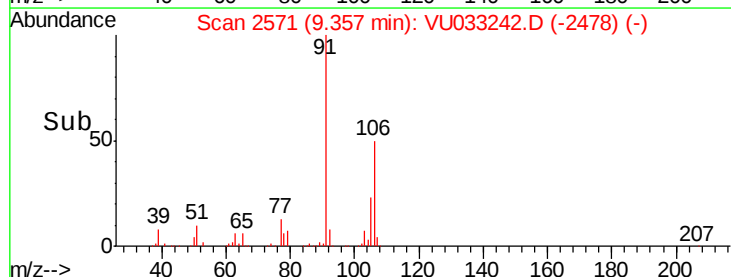
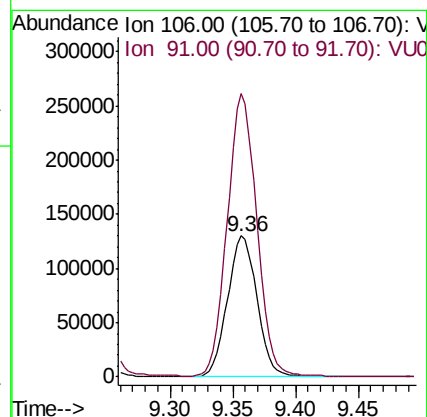
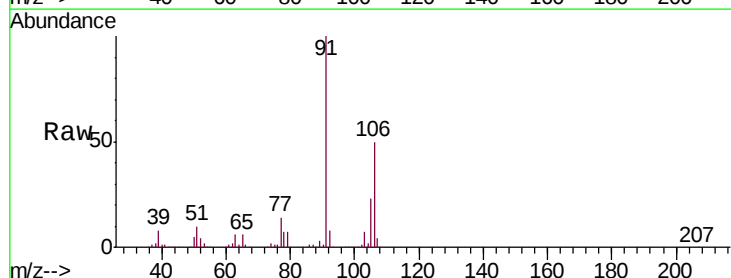
Acq: 12 Jul 2019 23:31

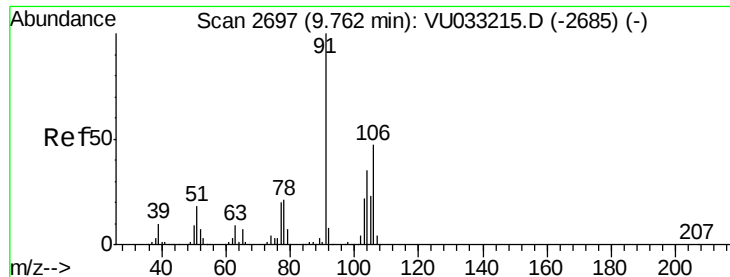
Tgt Ion: 106 Resp: 211256

Ion Ratio Lower Upper

106 100

91 200.6 141.3 262.3





#54

o-xylene

Concen: 52.182 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Instrument :

MSVOA_U

ClientSampleId :

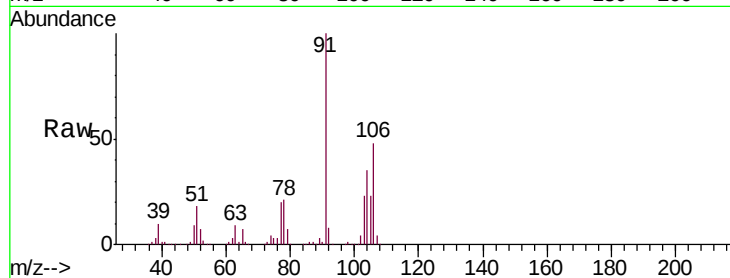
VSTD05048

Tgt Ion:106 Resp: 207558

Ion Ratio Lower Upper

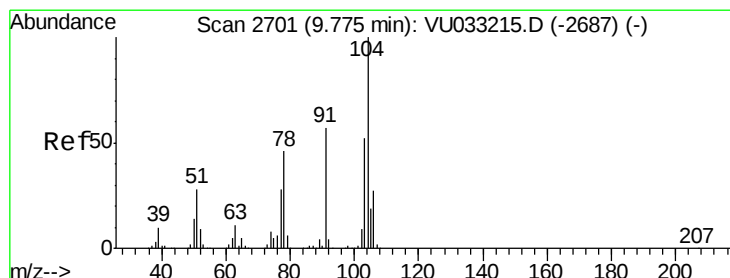
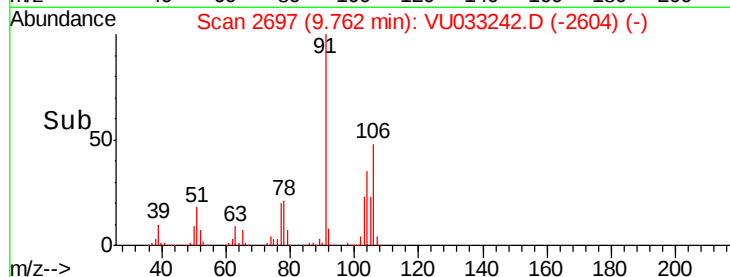
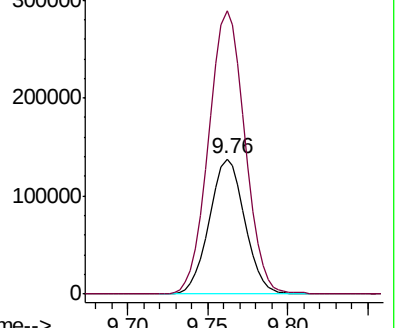
106 100

91 209.5 150.5 279.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.496 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033242.D

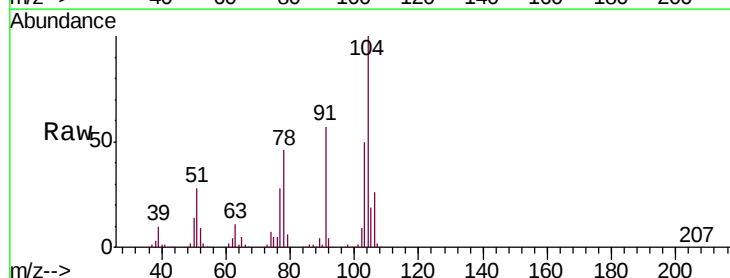
Acq: 12 Jul 2019 23:31

Tgt Ion:104 Resp: 360753

Ion Ratio Lower Upper

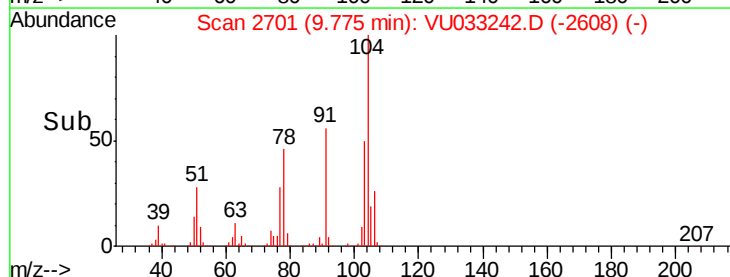
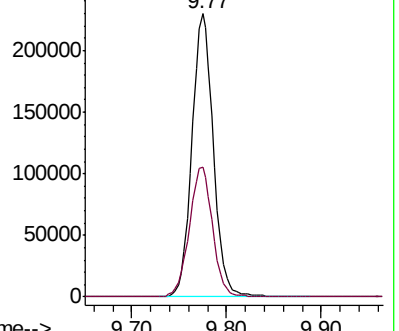
104 100

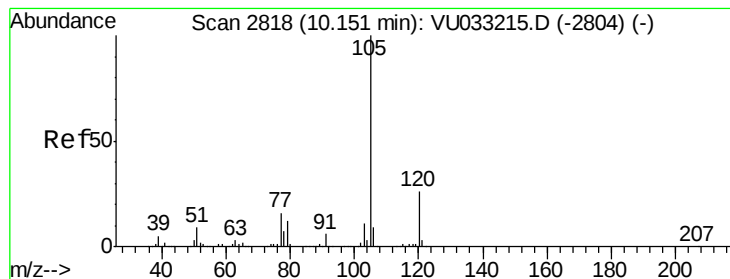
78 45.9 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.813 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

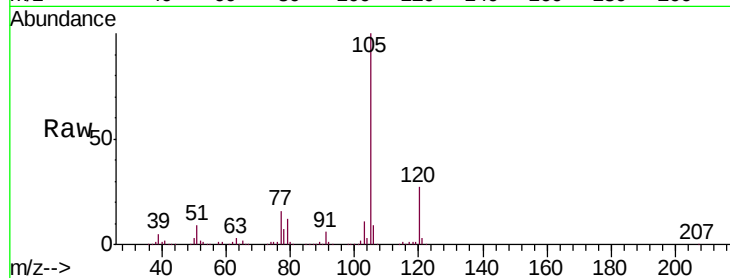
Tgt Ion: 105 Resp: 540557

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

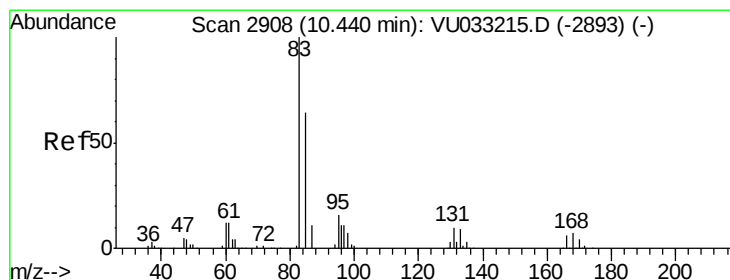
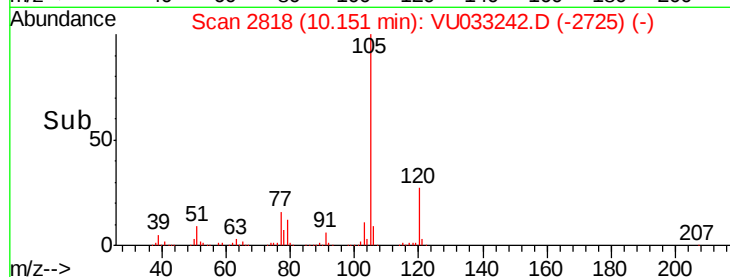
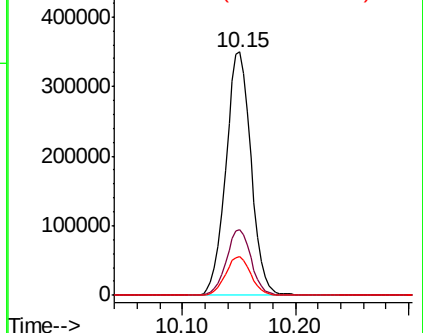
77 16.0 12.9 19.3



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: 51.570 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

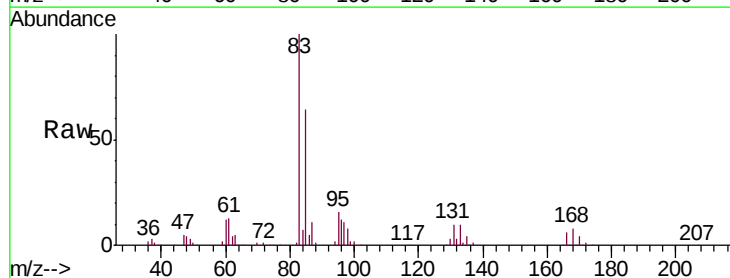
Tgt Ion: 83 Resp: 212991

Ion Ratio Lower Upper

83 100

85 63.8 44.9 83.3

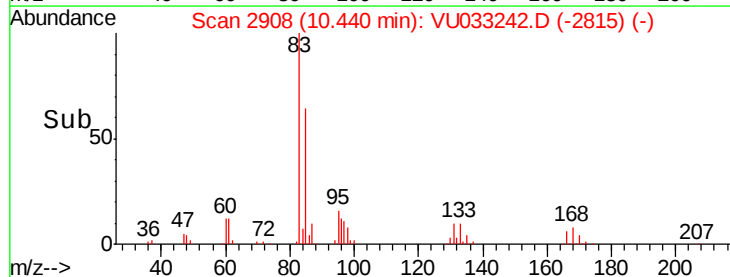
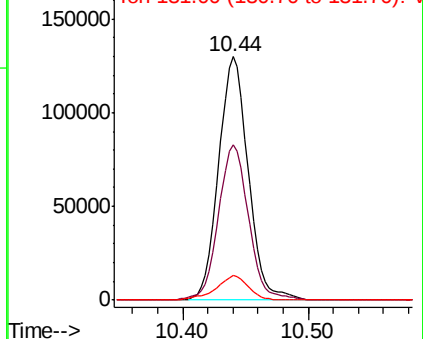
131 10.0 7.6 11.4

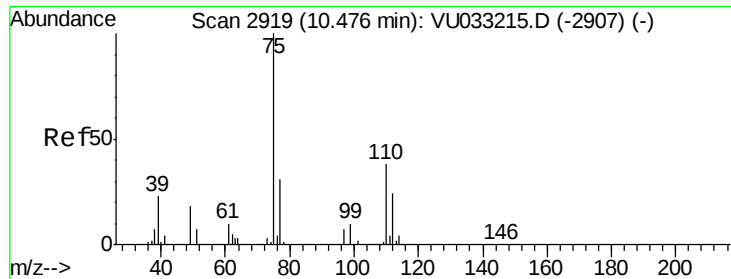


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

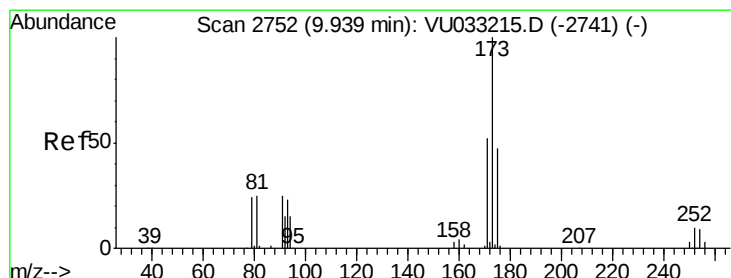
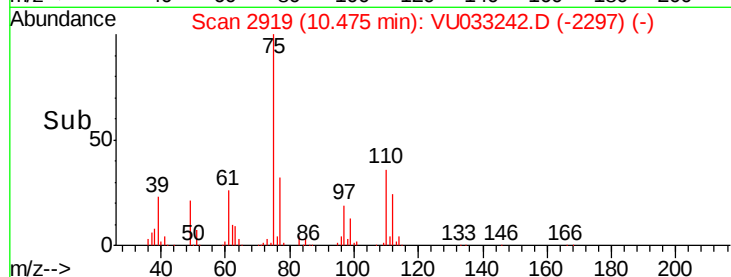
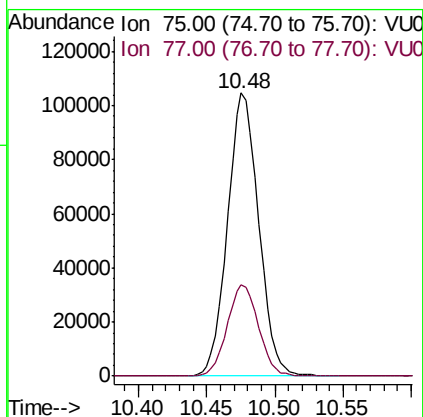
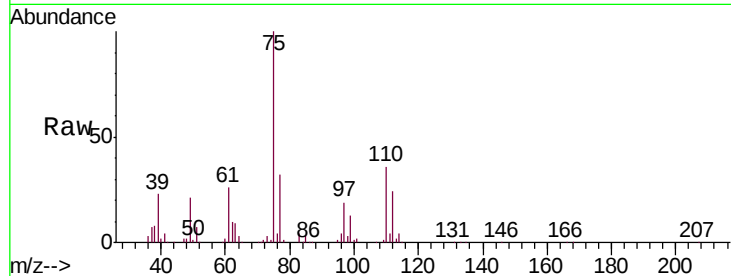




#59
 1,2,3-Trichloropropane
 Concen: 51.401 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VU033242.D
 Acq: 12 Jul 2019 23:31

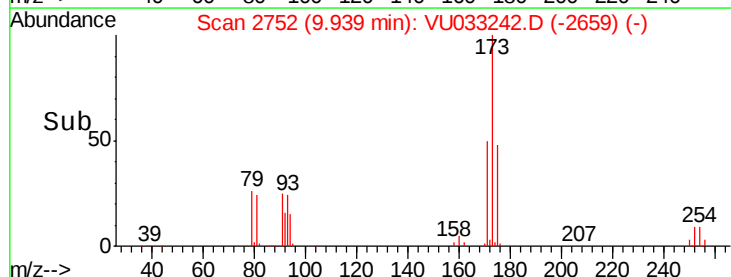
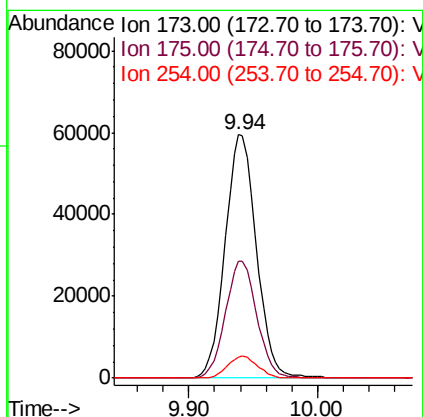
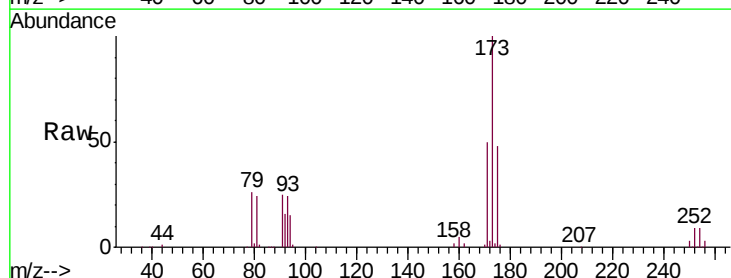
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

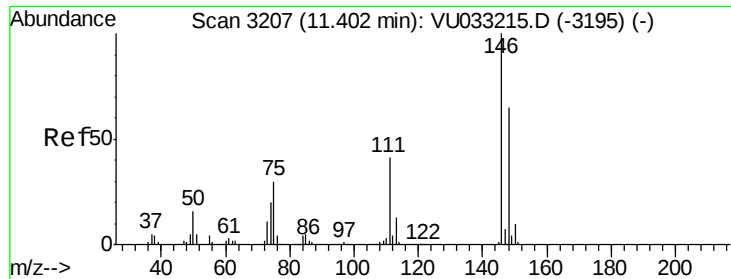
Tgt Ion: 75 Resp: 166364
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.0 39.0



#61
 Bromoform
 Concen: 50.613 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. -0.00 min
 Lab File: VU033242.D
 Acq: 12 Jul 2019 23:31

Tgt Ion: 173 Resp: 100024
 Ion Ratio Lower Upper
 173 100
 175 48.1 40.0 60.0
 254 8.7 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 49.315 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

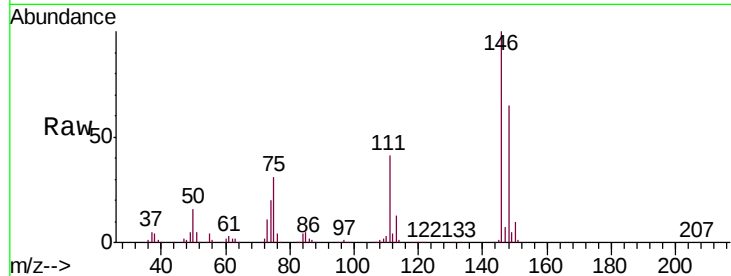
Tgt Ion:146 Resp: 245641

Ion Ratio Lower Upper

146 100

111 40.9 28.0 52.0

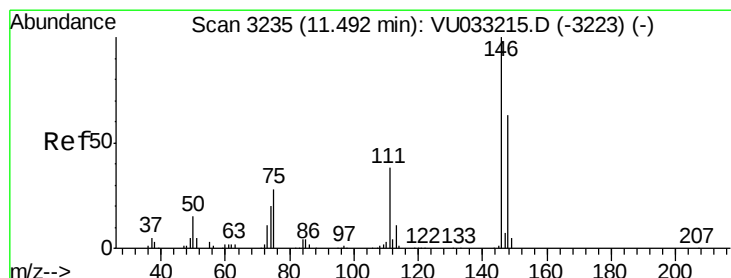
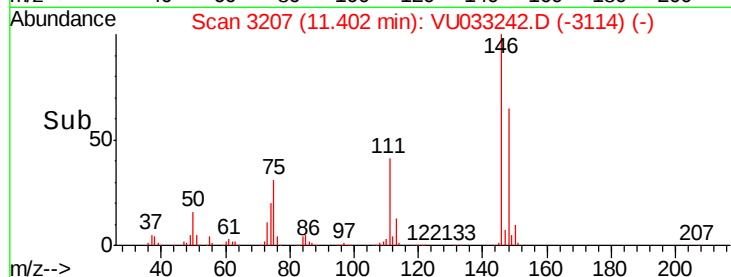
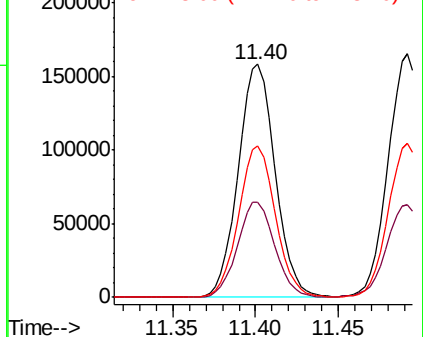
148 65.0 44.7 83.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.348 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

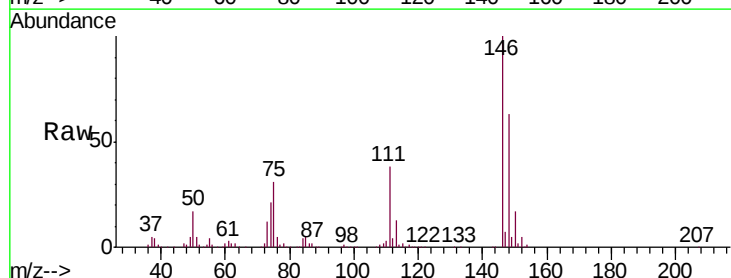
Tgt Ion:146 Resp: 257007

Ion Ratio Lower Upper

146 100

111 38.3 27.8 51.6

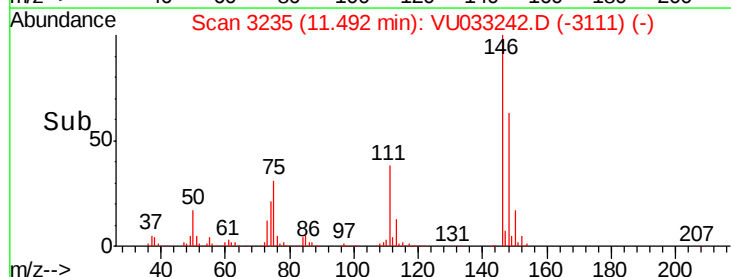
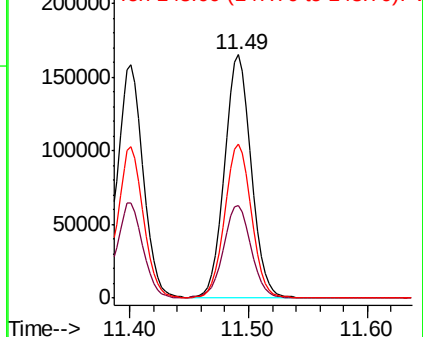
148 63.2 44.6 82.8

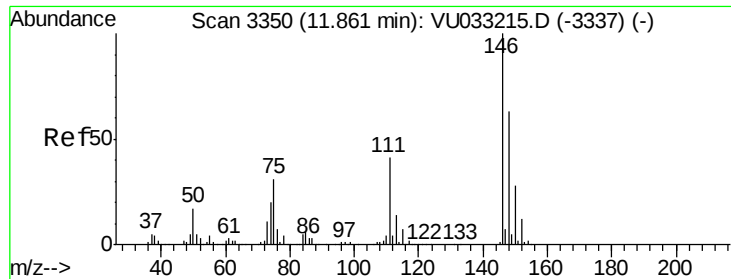


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

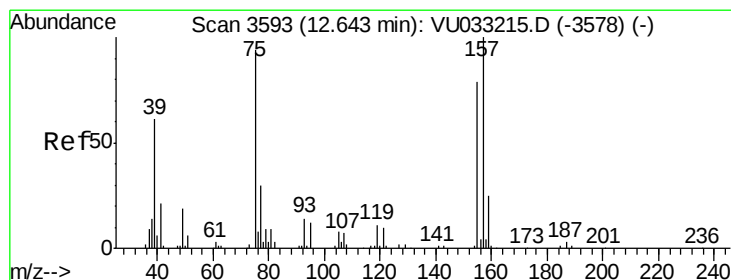
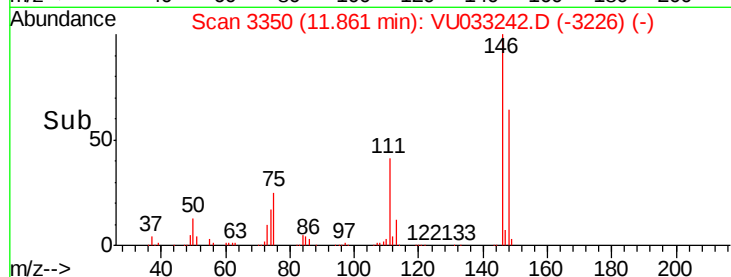
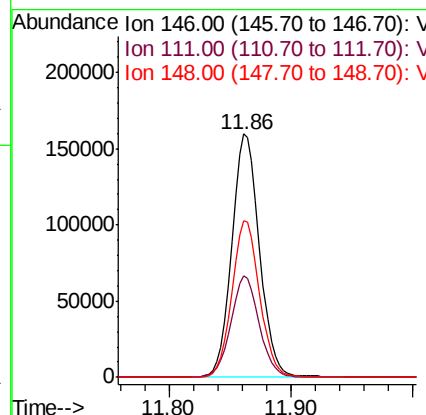
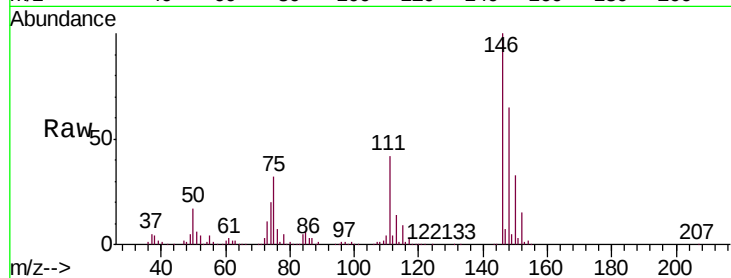




#65
 1,2-Dichlorobenzene
 Concen: 49.608 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033242.D
 Acq: 12 Jul 2019 23:31

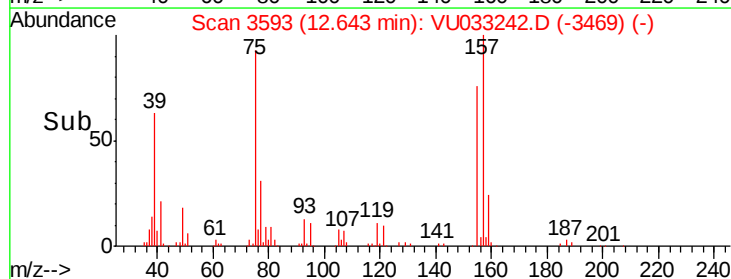
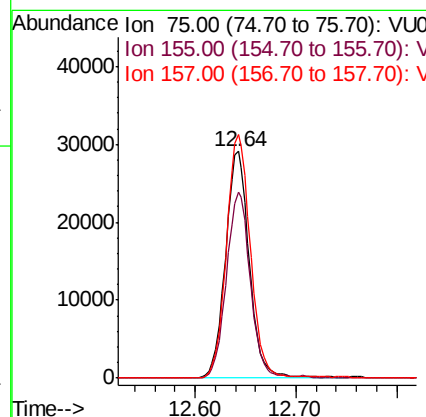
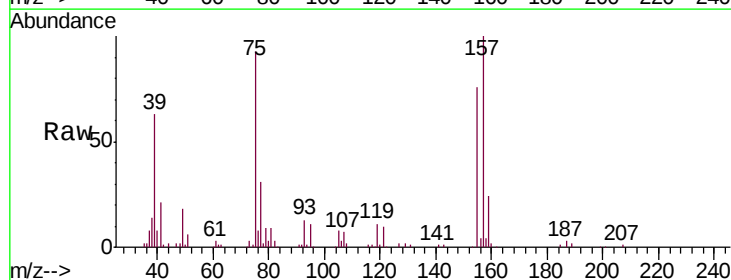
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

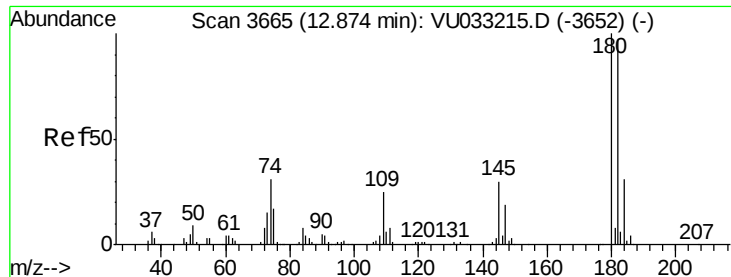
Tgt Ion: 146 Resp: 253423
 Ion Ratio Lower Upper
 146 100
 111 41.6 34.3 51.5
 148 64.5 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.406 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. -0.00 min
 Lab File: VU033242.D
 Acq: 12 Jul 2019 23:31

Tgt Ion: 75 Resp: 48171
 Ion Ratio Lower Upper
 75 100
 155 82.1 63.5 95.3
 157 107.5 84.6 127.0

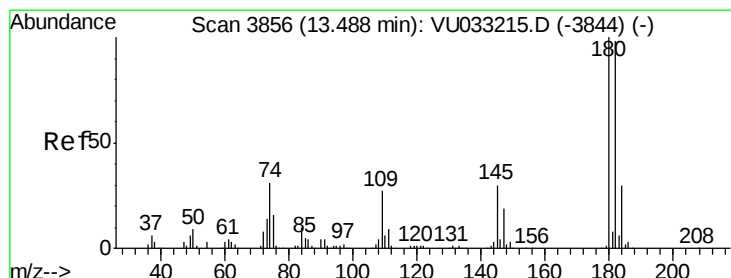
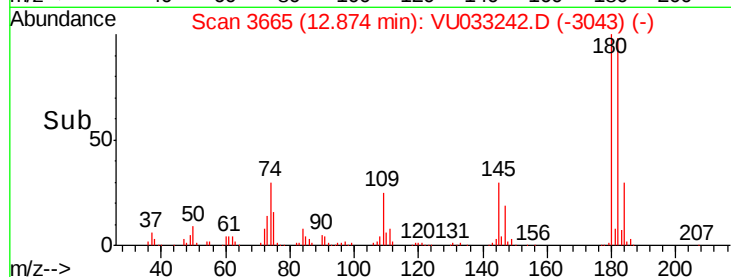
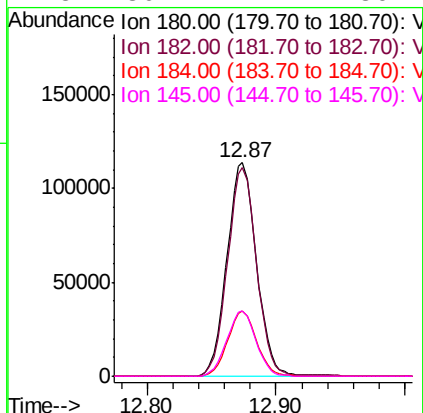
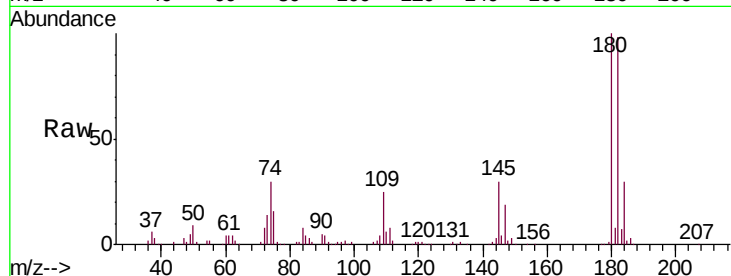




#67
 1,3,5-Trichlorobenzene
 Concen: 50.184 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033242.D
 Acq: 12 Jul 2019 23:31

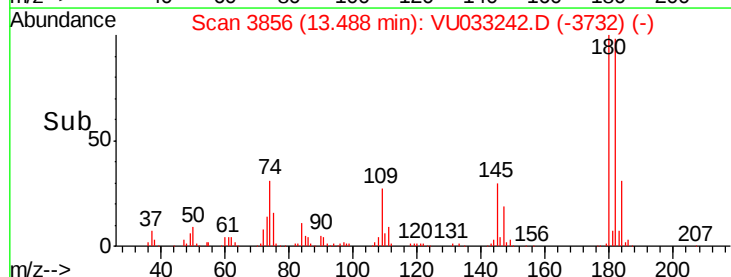
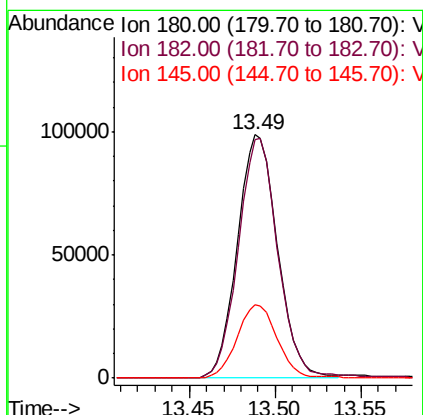
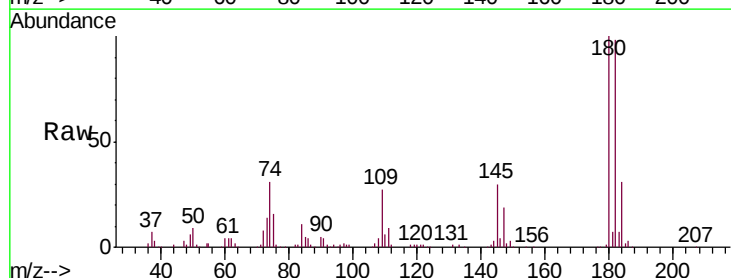
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

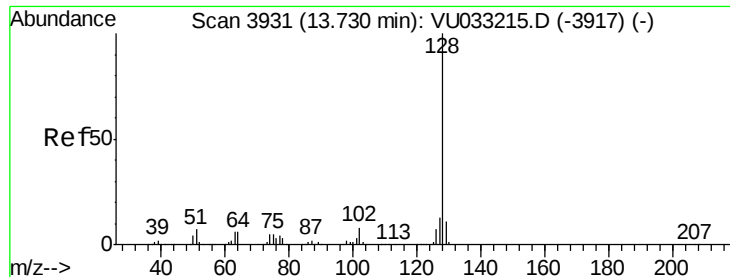
Tgt Ion:	180	Resp:	180653
Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.5	113.3
184	30.0	24.2	36.2
145	30.1	24.1	36.1



#68
 1,2,4-trichlorobenzene
 Concen: 50.838 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033242.D
 Acq: 12 Jul 2019 23:31

Tgt Ion:	180	Resp:	159851
Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.5	114.7
145	29.9	24.6	36.8





#69

Naphthalene

Concen: 55.866 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

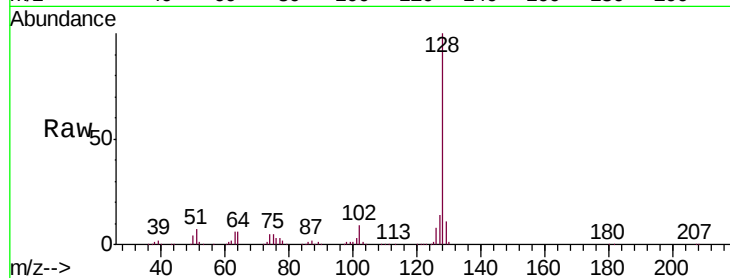
Tgt Ion:128 Resp: 563228

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

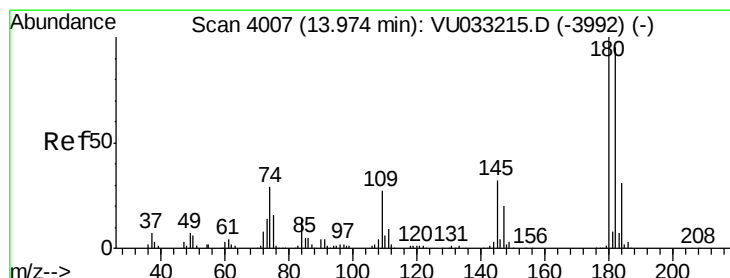
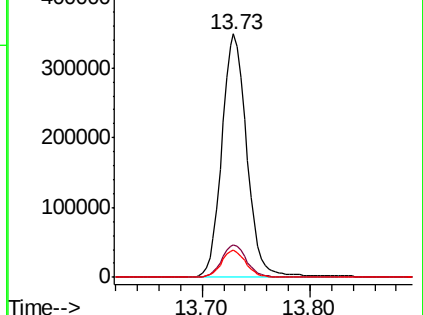
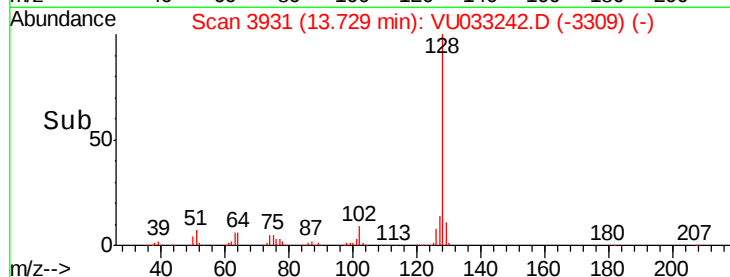
129 10.9 8.7 13.1



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: 50.484 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033242.D

Acq: 12 Jul 2019 23:31

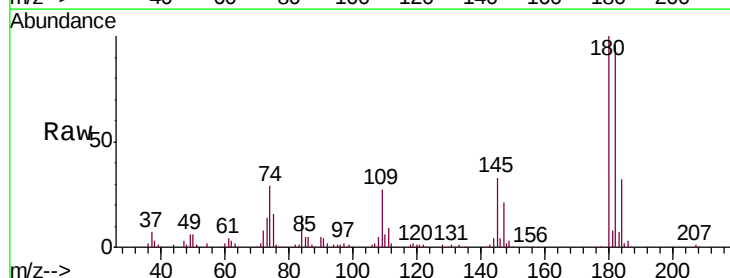
Tgt Ion:180 Resp: 172334

Ion Ratio Lower Upper

180 100

182 96.6 77.4 116.2

145 32.9 26.2 39.2



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

