

Data File : VU035961.D
Acq On : 04 Dec 2019 10:11
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Quant Time: Dec 05 03:53:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 04 12:09:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	328607	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	341861	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	168423	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	160395	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.93	69	133679	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.59	63	242249	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.00%
20) 2-Butanone-d5	4.70	46	294618	44.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.84%
24) Chloroform-d	5.11	84	242492	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.75	65	121330	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	5.77	84	466402	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.73	67	145939	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.93	98	434698	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	8.21	79	59807	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.68	63	237159	45.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.08%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	122958	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	149894	4.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	175164	5.147	ug/L 100
3) Chloromethane	1.54	50	189938	4.887	ug/L 99
5) Vinyl chloride	1.62	62	197490	5.031	ug/L 99
6) Bromomethane	1.87	94	113620	5.048	ug/L 99
8) Chloroethane	1.95	64	116097	4.769	ug/L 100
9) Trichlorofluoromethane	2.16	101	243153	5.275	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	135541	5.367	ug/L 96
12) 1,1-Dichloroethene	2.60	96	124711	5.296	ug/L 93
13) Acetone	2.68	43	260060	43.364	ug/L 100
14) Carbon disulfide	2.82	76	416742	5.052	ug/L 99
15) Methyl Acetate	3.00	43	52225	4.859	ug/L 98
16) Methylene chloride	3.08	84	149613	4.101	ug/L 95
17) Methyl tert-butyl Ether	3.42	73	259350	4.701	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	125427	5.030	ug/L 98
19) 1,1-Dichloroethane	3.92	63	246525	5.057	ug/L 100
21) 2-Butanone	4.78	43	359125	46.647	ug/L 96
22) cis-1,2-Dichloroethene	4.72	96	129989	4.934	ug/L 94

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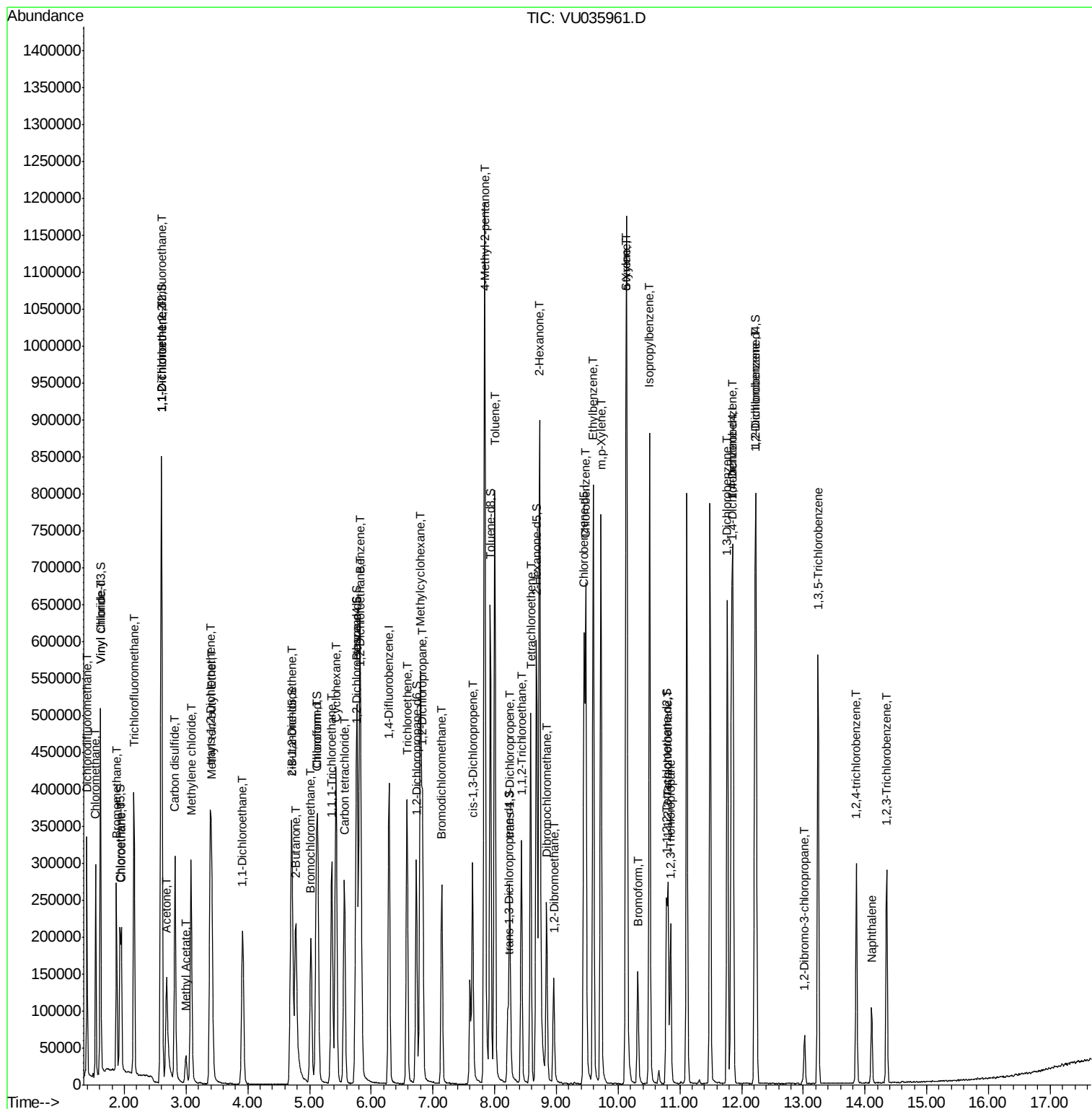
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	65430	5.425	ug/L	94
25) Chloroform	5.13	83	254848	5.181	ug/L	99
27) 1,2-Dichloroethane	5.84	62	161154	5.126	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	211138	5.107	ug/L	99
30) Cyclohexane	5.43	56	189757	4.647	ug/L	100
31) Carbon tetrachloride	5.57	117	188047	5.130	ug/L	99
33) Benzene	5.82	78	557530	5.186	ug/L	100
34) Trichloroethene	6.58	95	134424	4.945	ug/L	96
35) Methylcyclohexane	6.80	83	192842	4.731	ug/L	98
37) 1,2-Dichloropropane	6.83	63	146084	5.019	ug/L	100
38) Bromodichloromethane	7.14	83	178302	5.118	ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	186754	4.836	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	814104	47.583	ug/L	100
42) Toluene	8.00	91	598322	5.328	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	163937	4.964	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	102804	5.188	ug/L	98
47) Tetrachloroethene	8.58	164	114978	5.204	ug/L	97
48) 2-Hexanone	8.73	43	623405	49.329	ug/L	97
49) Dibromochloromethane	8.84	129	122462	5.068	ug/L	96
50) 1,2-Dibromoethane	8.96	107	97420	5.066	ug/L	99
51) Chlorobenzene	9.47	112	362710	5.172	ug/L	98
52) Ethylbenzene	9.60	91	564624	4.974	ug/L	98
53) m,p-Xylene	9.72	106	225885	5.271	ug/L	99
54) o-Xylene	10.13	106	209333	5.206	ug/L	94
55) Styrene	10.14	104	366905	5.426	ug/L	98
56) Isopropylbenzene	10.51	105	547174	5.191	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	129897	4.884	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	95019	5.022	ug/L	100
61) Bromoform	10.32	173	72466	4.658	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	281194	5.020	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	275267	4.951	ug/L	96
65) 1,2-Dichlorobenzene	12.24	146	263272	4.918	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	18108	4.342	ug/L	92
67) 1,3,5-Trichlorobenzene	13.24	180	187170	4.895	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	94330	4.604	ug/L	97
69) Naphthalene	14.11	128	81686	3.501	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	92210	4.544	ug/L	97

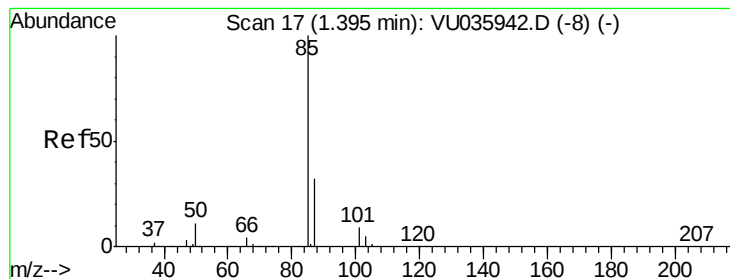
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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#2

Dichlorodifluoromethane

Concen: 5.147 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

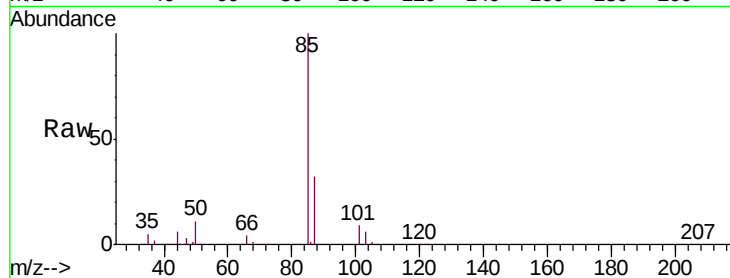
VSTD00520

Tgt Ion: 85 Resp: 175164

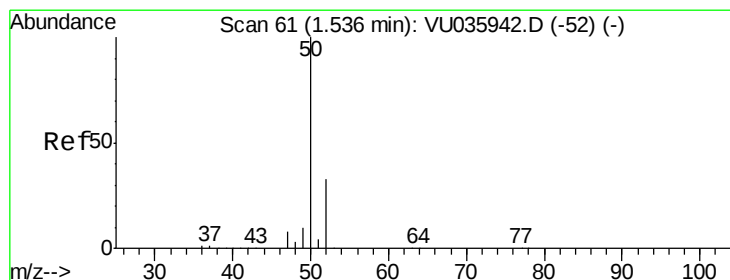
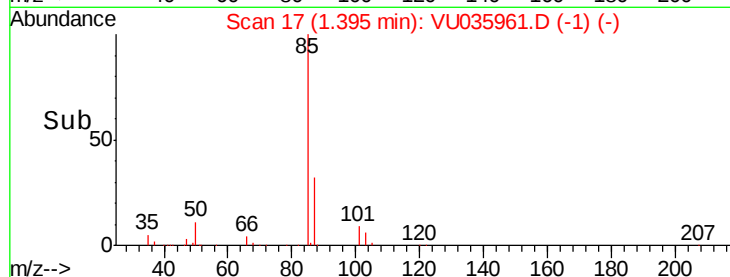
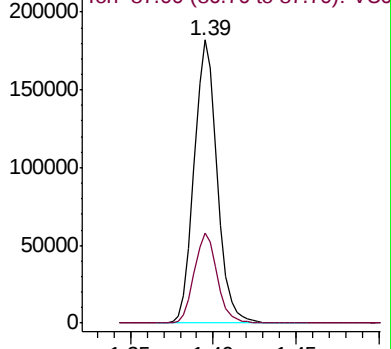
Ion Ratio Lower Upper

85 100

87 31.9 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU035942.D (-8) (-)



#3

Chloromethane

Concen: 4.887 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035961.D

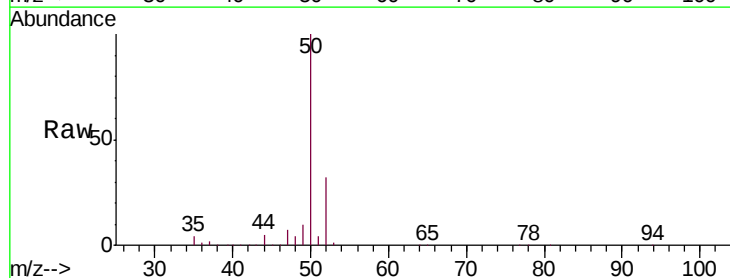
Acq: 04 Dec 2019 10:11

Tgt Ion: 50 Resp: 189938

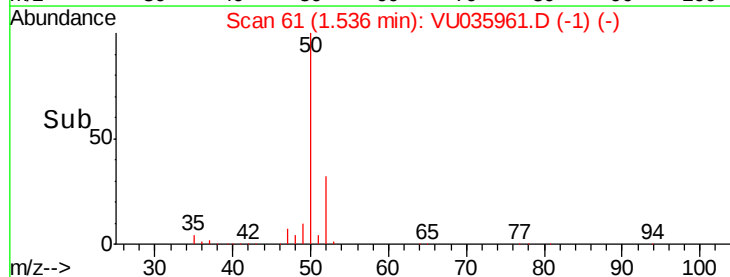
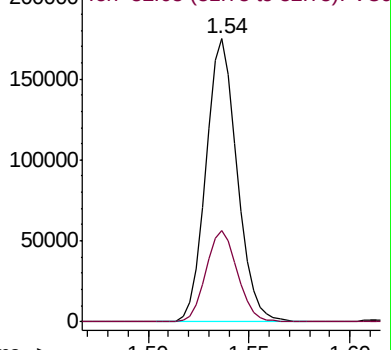
Ion Ratio Lower Upper

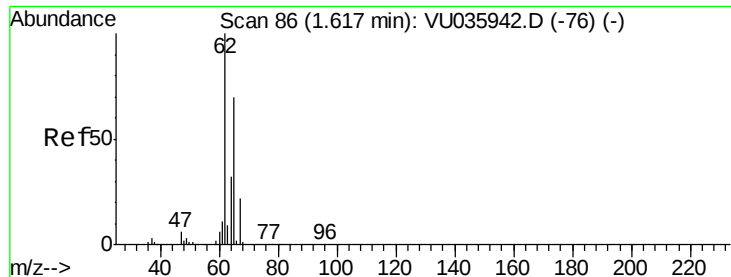
50 100

52 32.4 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU035942.D (-52) (-)





#5

Vinyl chloride

Concen: 5.031 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

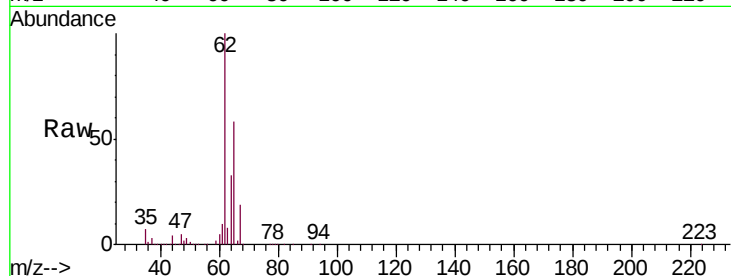
VSTD00520

Tgt Ion: 62 Resp: 197490

Ion Ratio Lower Upper

62 100

64 33.2 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU035942.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU035942.D (-76) (-)

1.62

200000

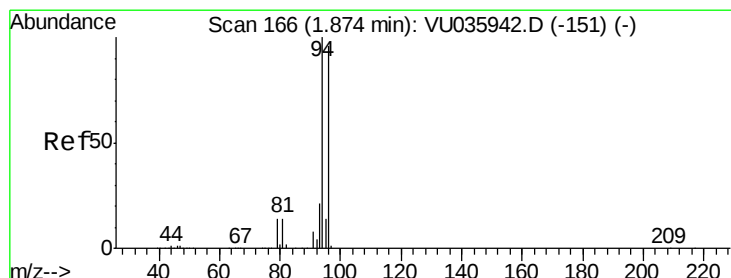
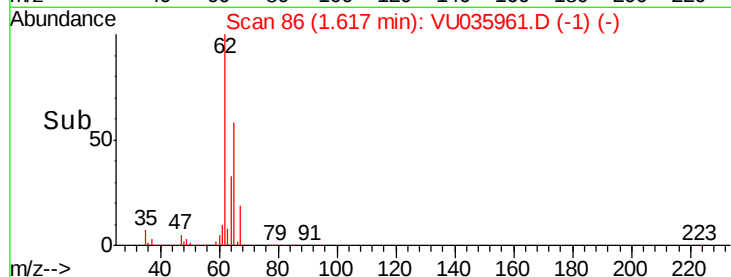
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.048 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035961.D

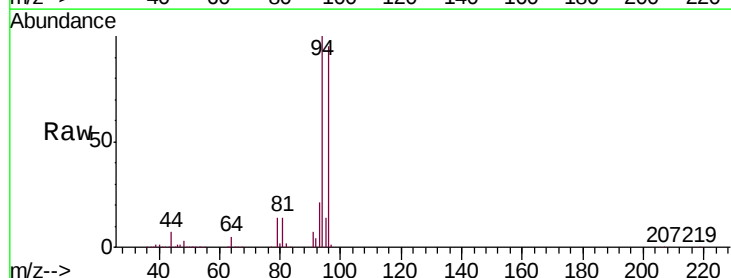
Acq: 04 Dec 2019 10:11

Tgt Ion: 94 Resp: 113620

Ion Ratio Lower Upper

94 100

96 95.5 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU035942.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU035942.D (-151) (-)

1.87

100000

80000

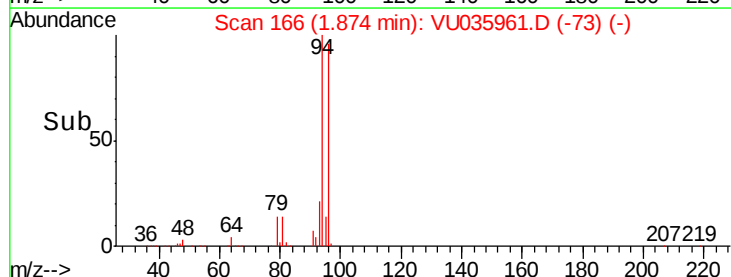
60000

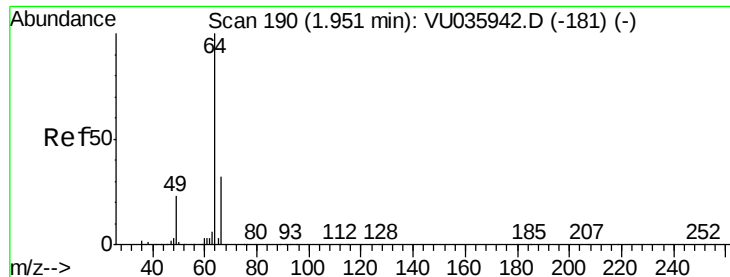
40000

20000

0

Time-->





#8

Chloroethane

Concen: 4.769 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

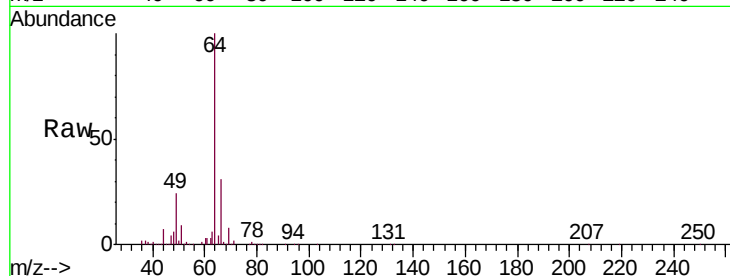
VSTD00520

Tgt Ion: 64 Resp: 116097

Ion Ratio Lower Upper

64 100

66 31.4 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU035942.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU035942.D (-181) (-)

1.95

100000

80000

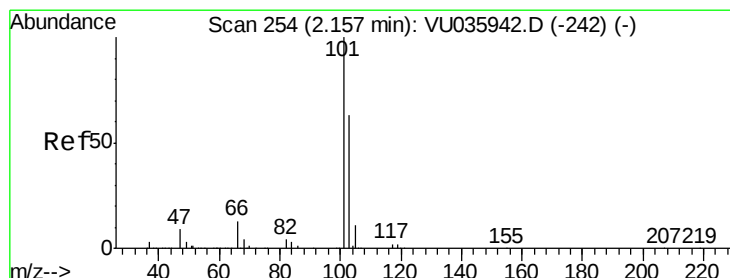
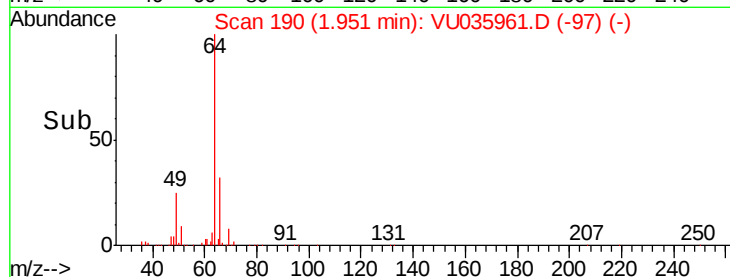
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.275 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU035961.D

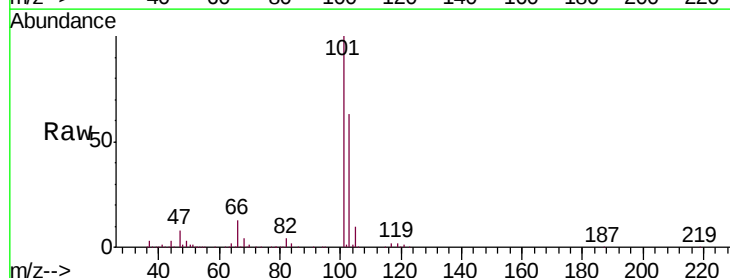
Acq: 04 Dec 2019 10:11

Tgt Ion: 101 Resp: 243153

Ion Ratio Lower Upper

101 100

103 63.8 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU035942.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU035942.D (-242) (-)

2.16

200000

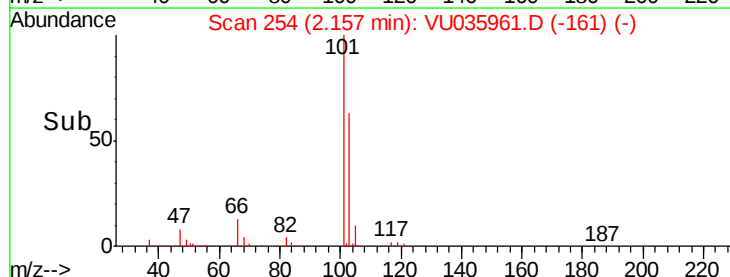
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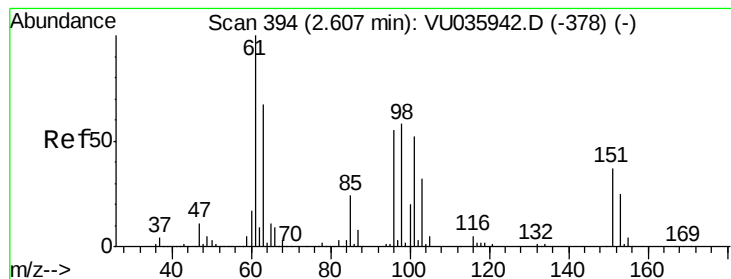
100000

50000

0

Time-->





#10

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

Concen: 5.367 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Instrument :

MSVOA_U

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VSTD00520

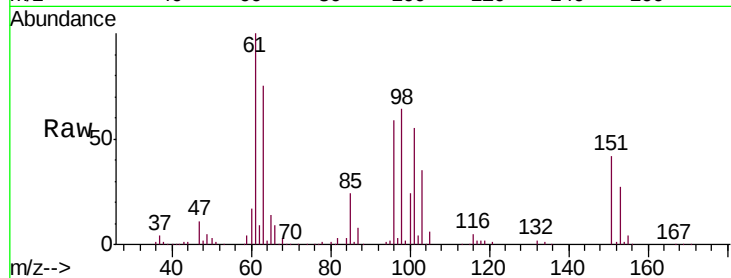
Tgt Ion: 101 Resp: 135541

Ion Ratio Lower Upper

101 100

85 43.2 35.5 53.3

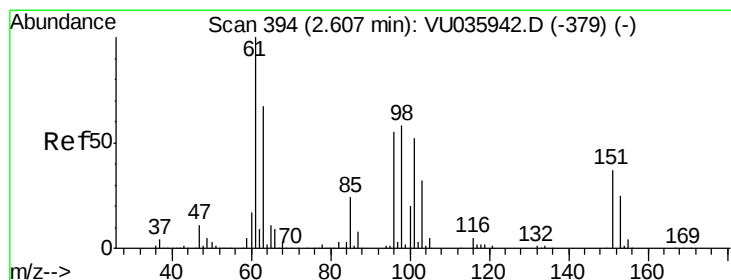
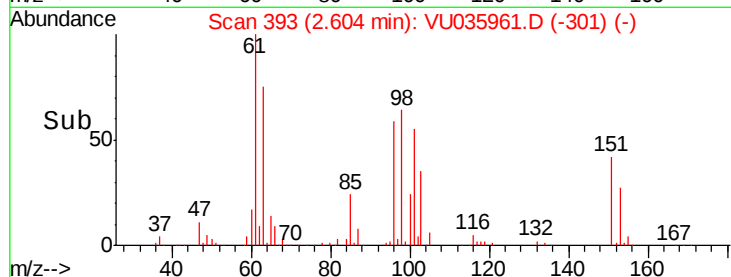
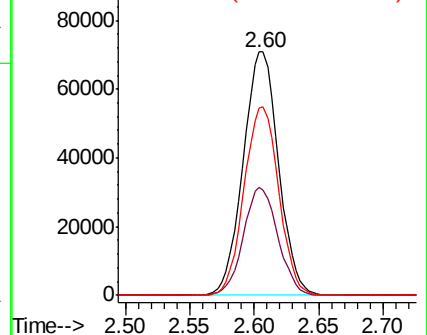
151 75.9 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.296 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

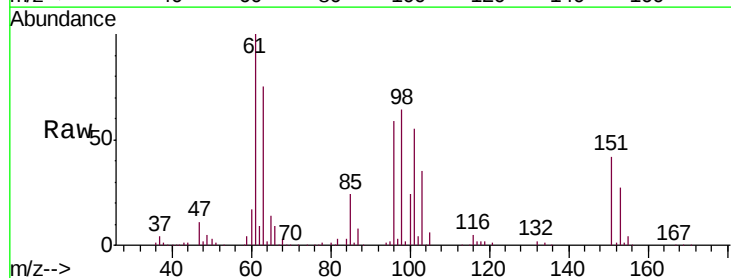
Tgt Ion: 96 Resp: 124711

Ion Ratio Lower Upper

96 100

61 168.2 127.1 236.1

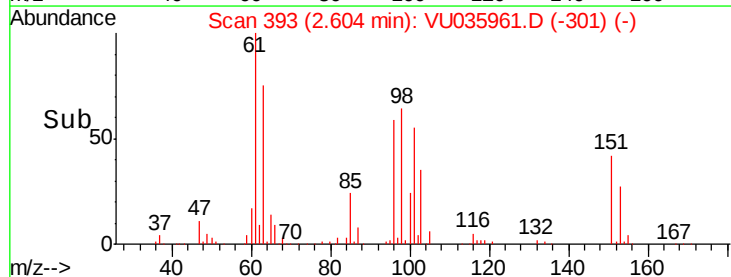
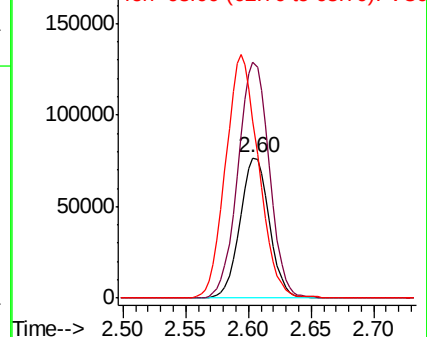
63 126.5 86.0 159.8

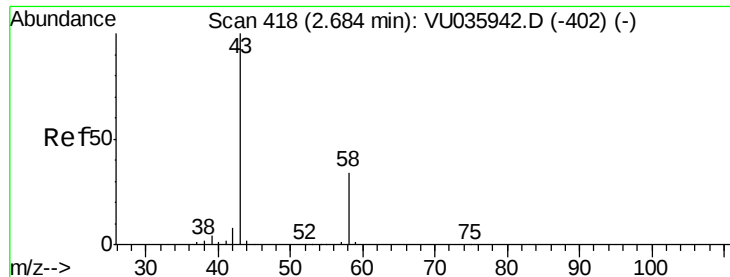


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.364 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.00 min

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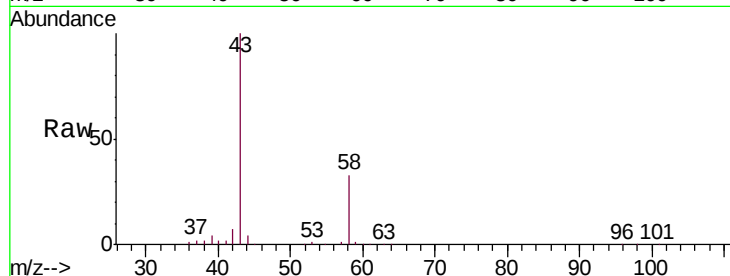
VSTD00520

Tgt Ion: 43 Resp: 260060

Ion Ratio Lower Upper

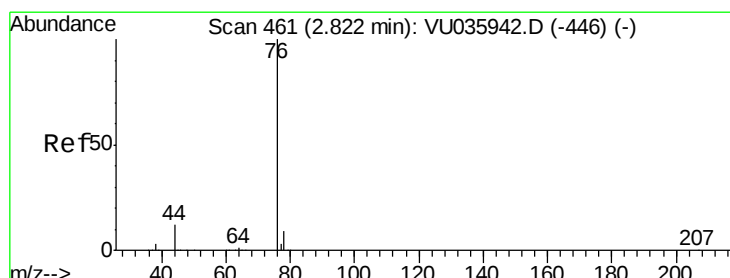
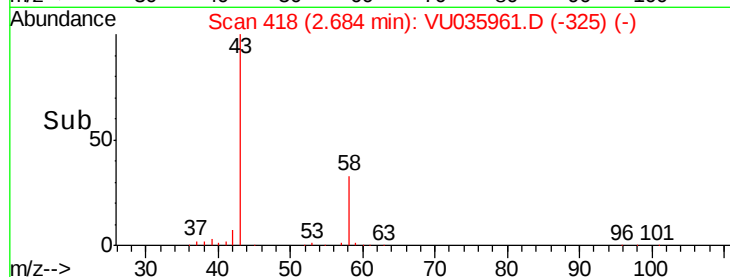
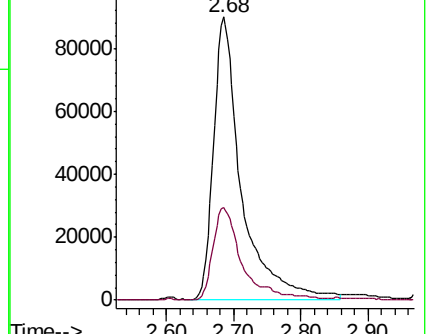
43 100

58 34.5 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU035961.D (-325) (-)

Ion 58.05 (57.75 to 58.75): VU035961.D (-325) (-)



#14

Carbon disulfide

Concen: 5.052 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035961.D

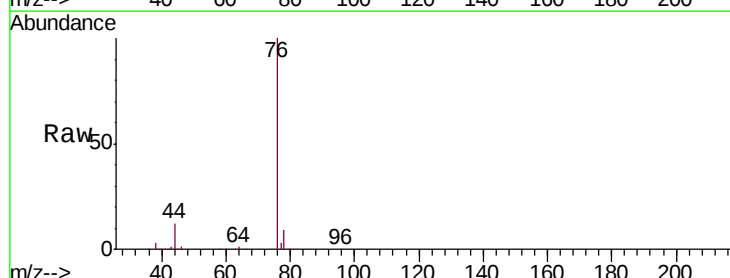
Acq: 04 Dec 2019 10:11

Tgt Ion: 76 Resp: 416742

Ion Ratio Lower Upper

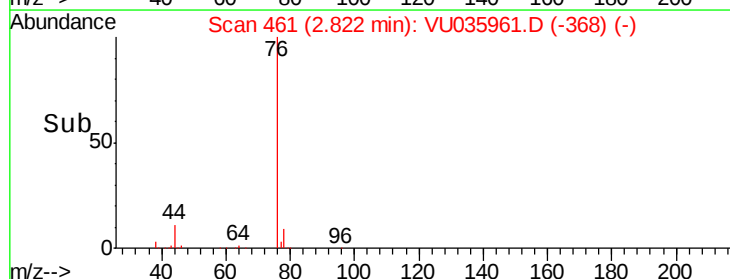
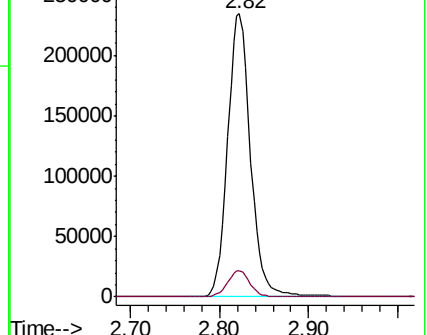
76 100

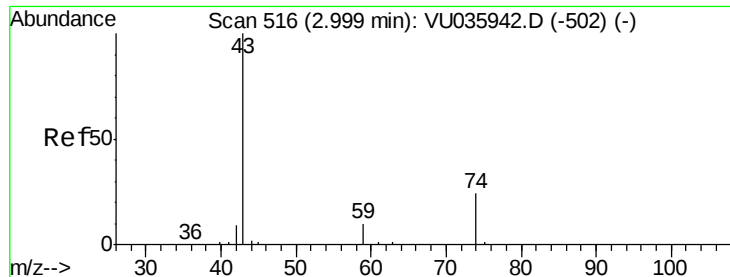
78 9.1 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU035961.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU035961.D (-368) (-)





#15

Methyl Acetate

Concen: 4.859 ug/L

RT: 3.00 min Scan# 516

Delta R.T. 0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

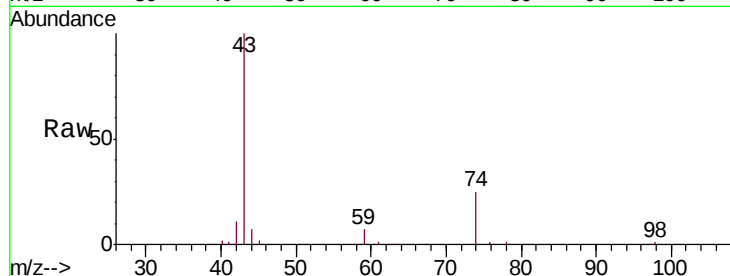
VSTD00520

Tgt Ion: 43 Resp: 52225

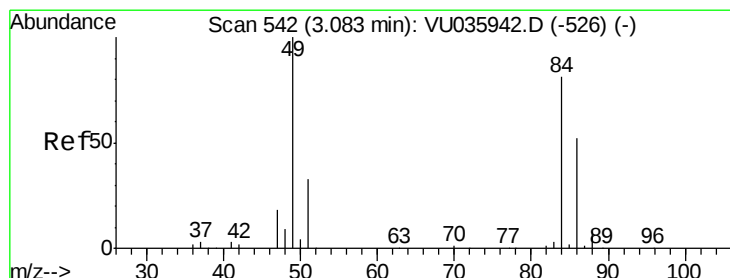
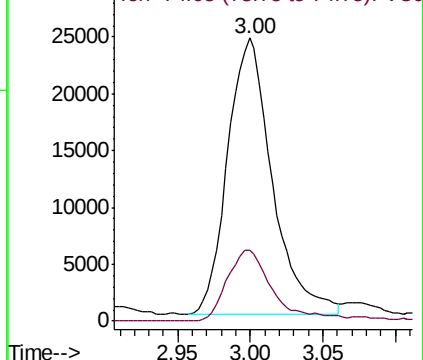
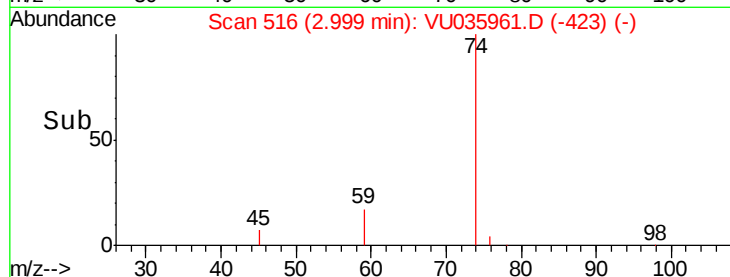
Ion Ratio Lower Upper

43 100

74 26.2 20.0 30.0



Abundance Ion 43.05 (42.75 to 43.75): VU035961.D (-423) (-)



#16

Methylene chloride

Concen: 4.101 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

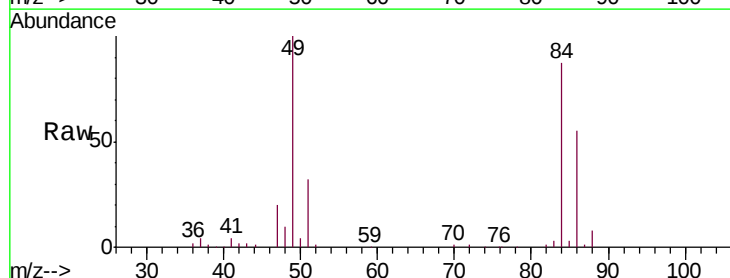
Tgt Ion: 84 Resp: 149613

Ion Ratio Lower Upper

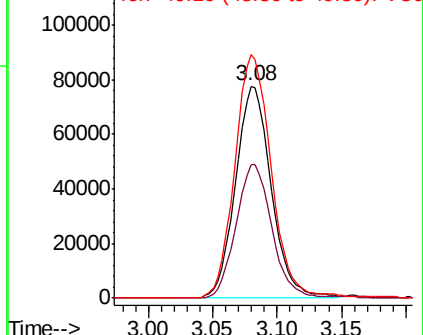
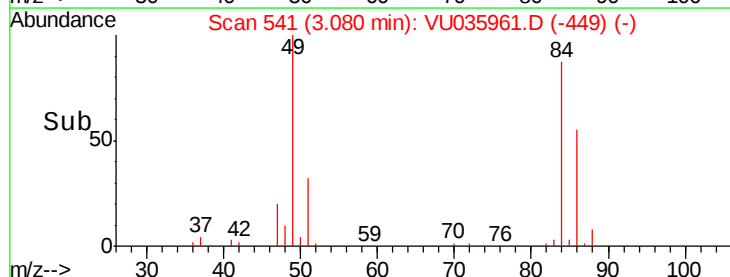
84 100

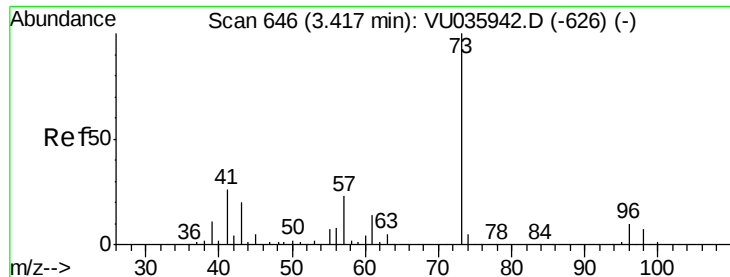
86 63.1 44.7 82.9

49 115.0 86.2 160.2



Abundance Ion 84.05 (83.75 to 84.75): VU035961.D (-449) (-)

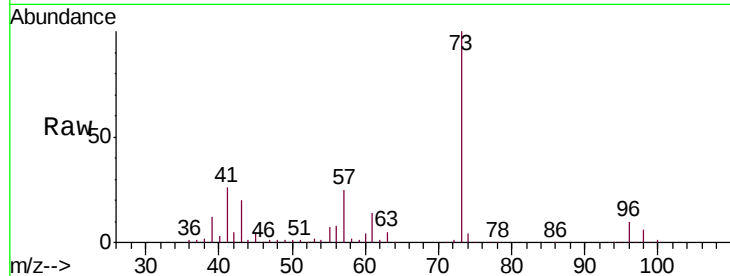




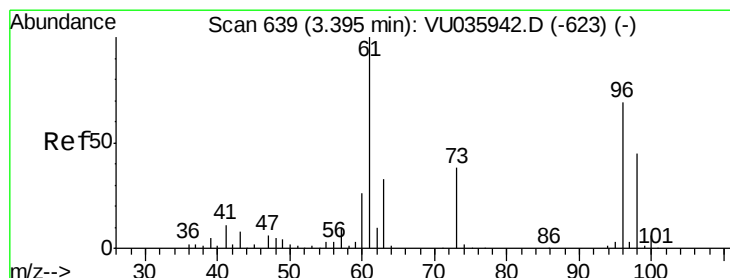
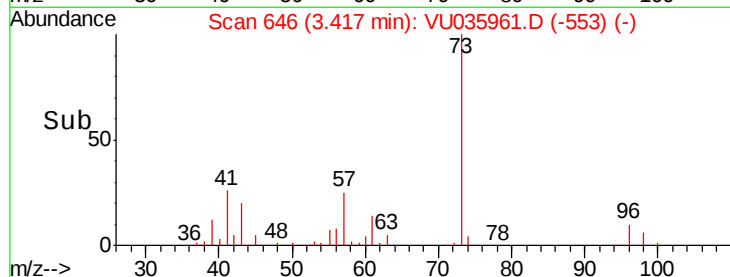
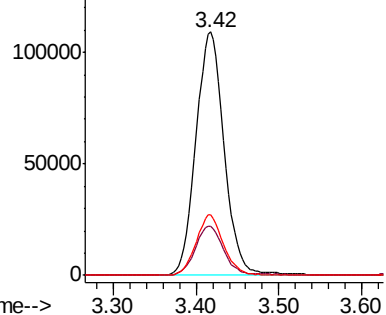
#17
Methyl tert-butyl Ether
Concen: 4.701 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU035961.D
Acq: 04 Dec 2019 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion: 73 Resp: 259350
Ion Ratio Lower Upper
73 100
43 19.8 15.9 23.9
57 23.8 18.8 28.2

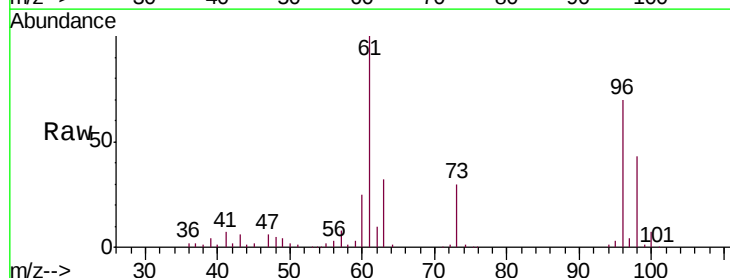


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

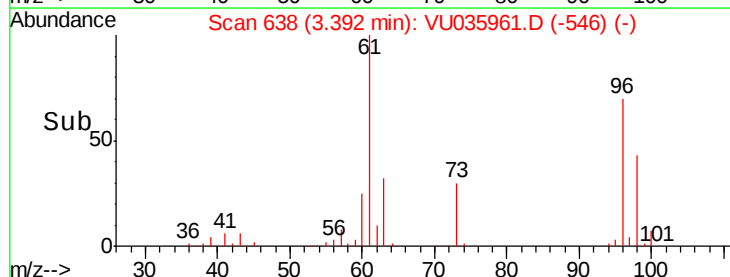
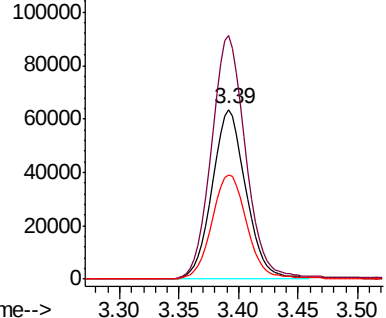


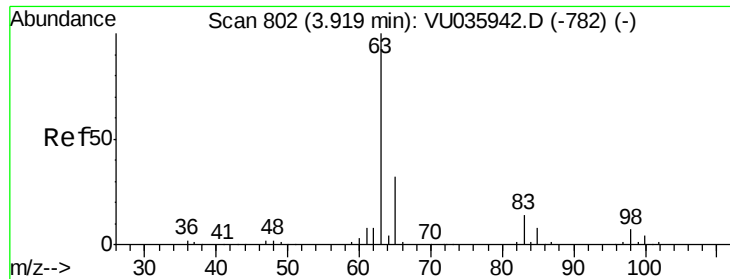
#18
trans-1,2-Dichloroethene
Concen: 5.030 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU035961.D
Acq: 04 Dec 2019 10:11

Tgt Ion: 96 Resp: 125427
Ion Ratio Lower Upper
96 100
61 143.3 101.2 187.8
98 61.5 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

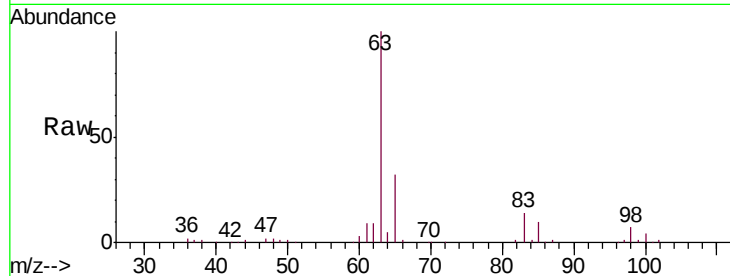




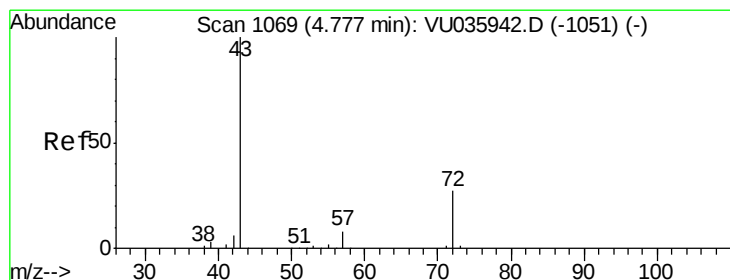
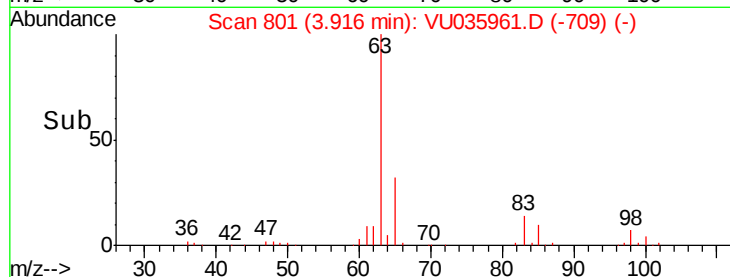
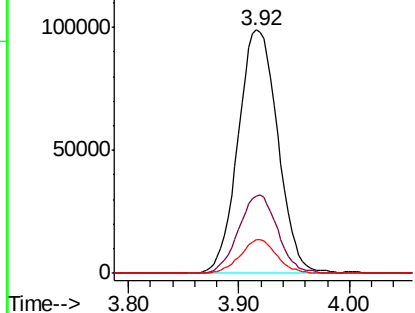
#19
 1,1-Dichloroethane
 Concen: 5.057 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU035961.D
 Acq: 04 Dec 2019 10:11

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00520

Tgt Ion: 63 Resp: 246525
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.4 41.6
 83 13.7 9.8 18.2

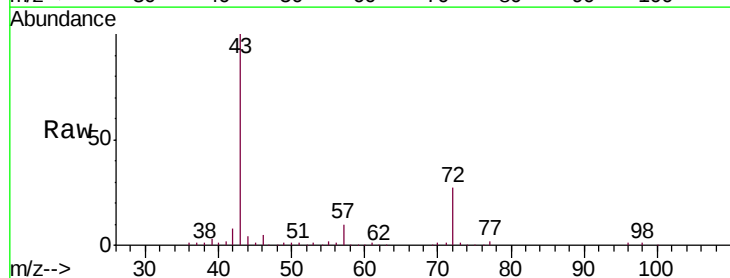


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

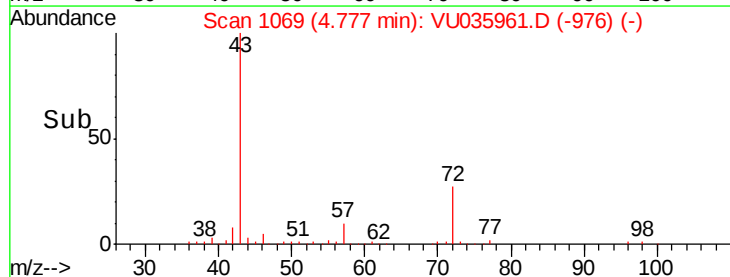
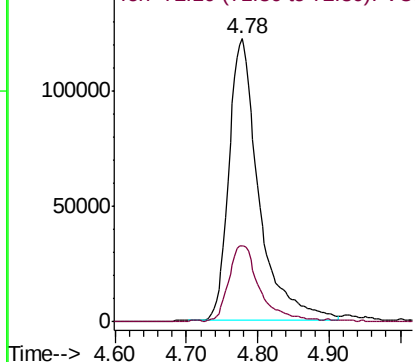


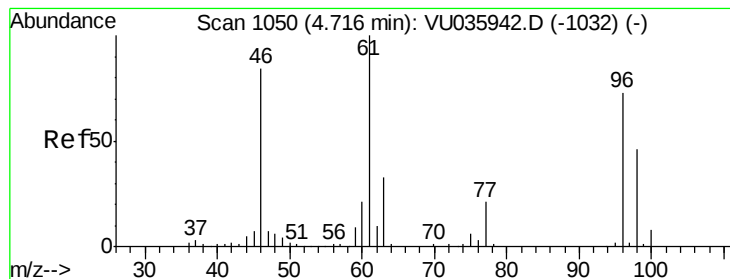
#21
 2-Butanone
 Concen: 46.647 ug/L
 RT: 4.78 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU035961.D
 Acq: 04 Dec 2019 10:11

Tgt Ion: 43 Resp: 359125
 Ion Ratio Lower Upper
 43 100
 72 27.0 12.6 37.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.934 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

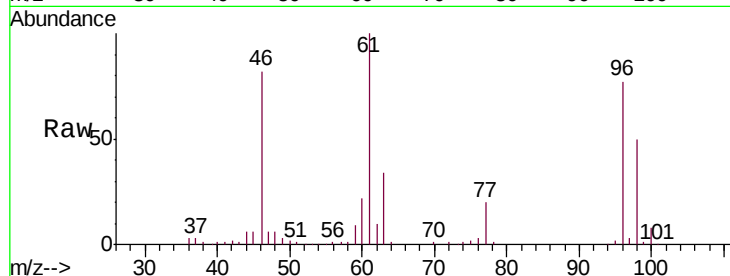
Tgt Ion: 96 Resp: 129989

Ion Ratio Lower Upper

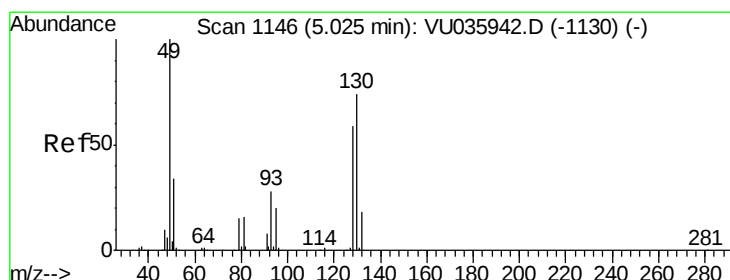
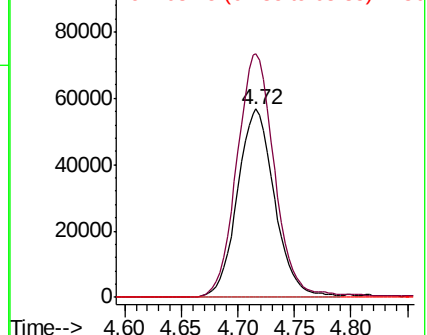
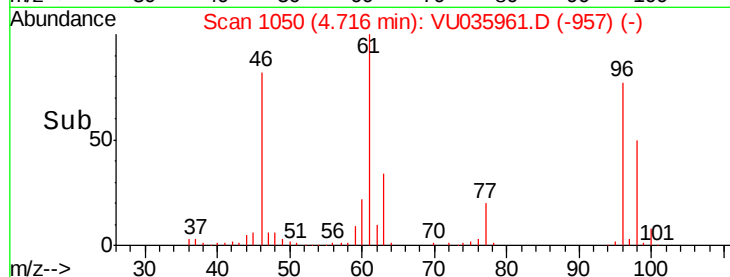
96 100

61 129.3 95.7 177.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035961.D (-957) (-)



#23

Bromochloromethane

Concen: 5.425 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Tgt Ion: 128 Resp: 65430

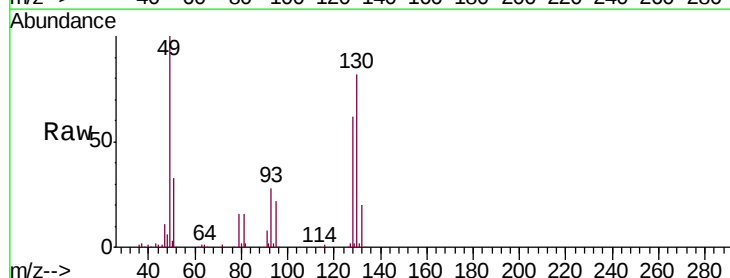
Ion Ratio Lower Upper

128 100

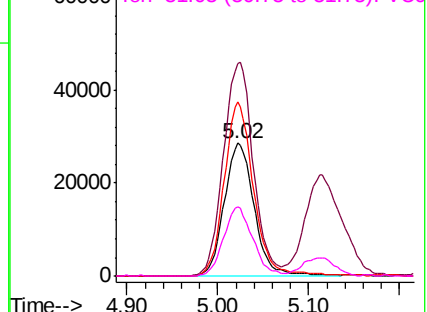
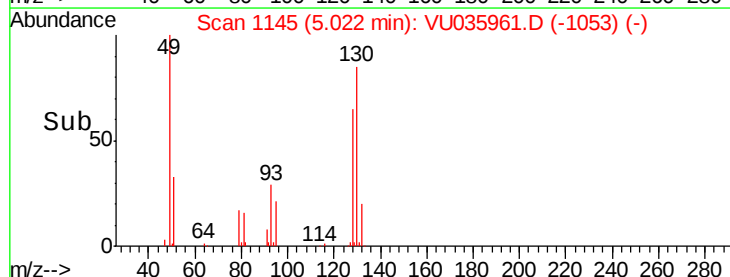
49 160.0 118.3 219.7

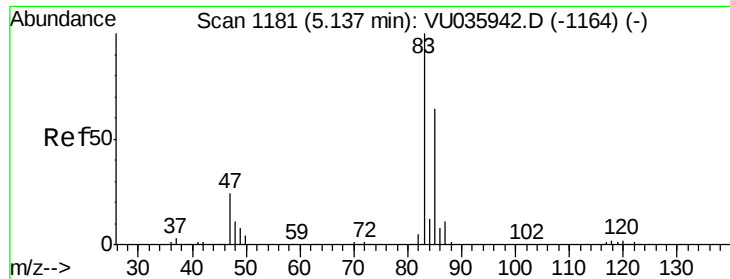
130 131.4 86.9 161.3

51 52.6 45.6 68.4



Abundance Ion 127.90 (127.60 to 128.60): VU035961.D (-1053) (-)

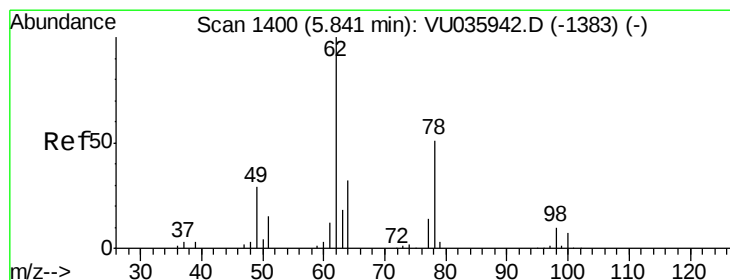
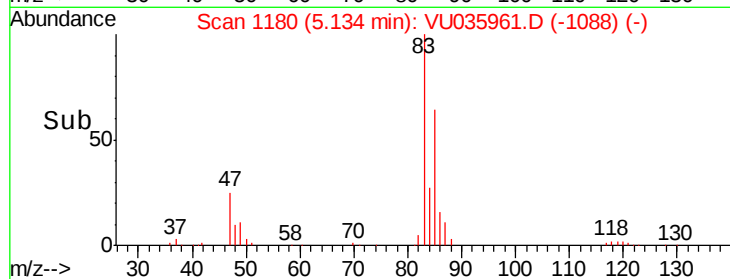
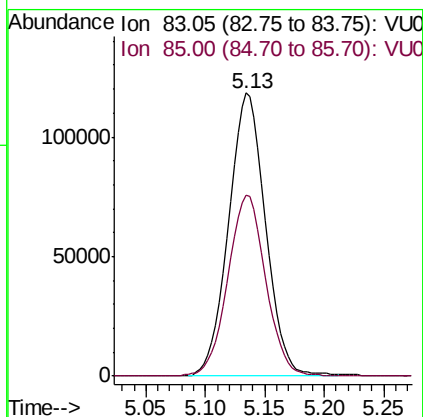
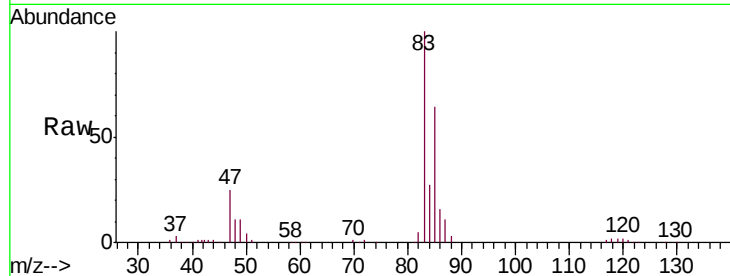




#25
Chloroform
Concen: 5.181 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU035961.D
Acq: 04 Dec 2019 10:11

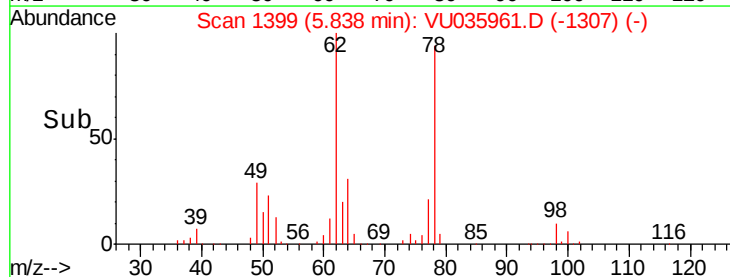
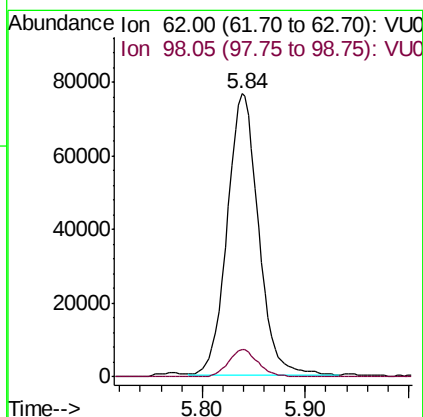
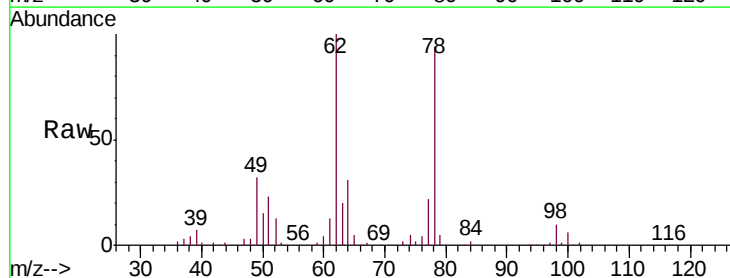
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

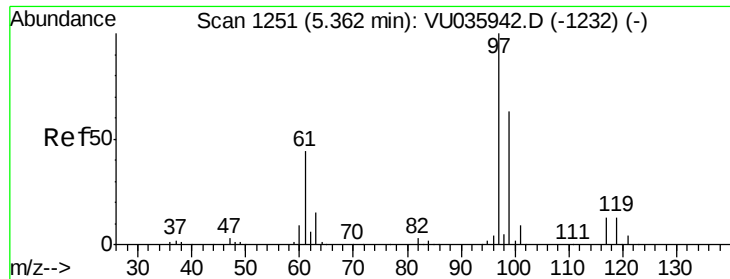
Tgt Ion: 83 Resp: 254848
Ion Ratio Lower Upper
83 100
85 64.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 5.126 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU035961.D
Acq: 04 Dec 2019 10:11

Tgt Ion: 62 Resp: 161154
Ion Ratio Lower Upper
62 100
98 9.8 7.6 11.4

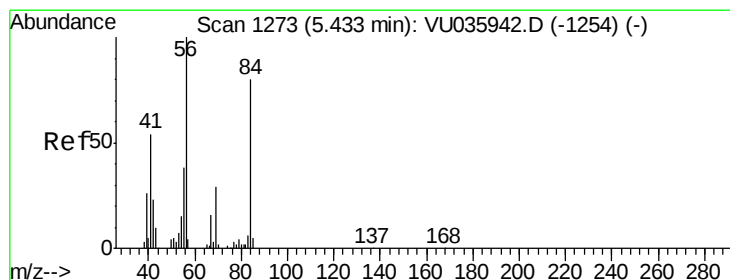
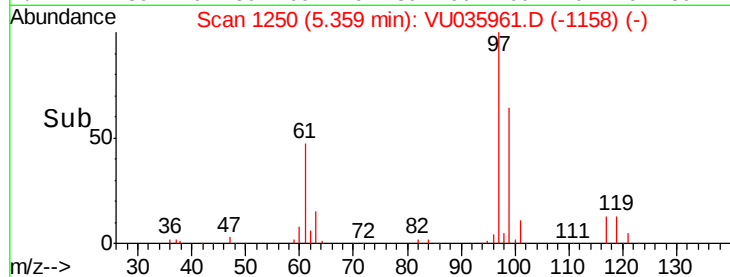
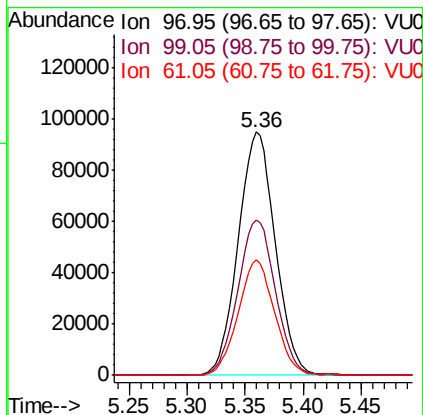
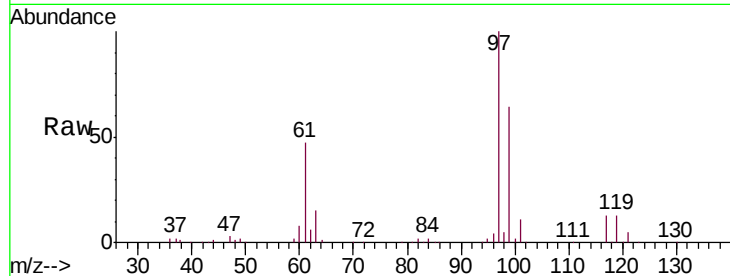




#29
 1,1,1-Trichloroethane
 Concen: 5.107 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU035961.D
 Acq: 04 Dec 2019 10:11

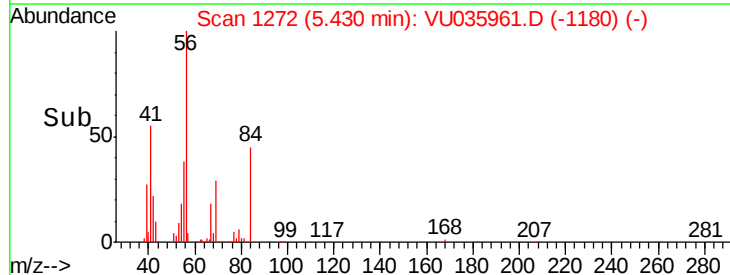
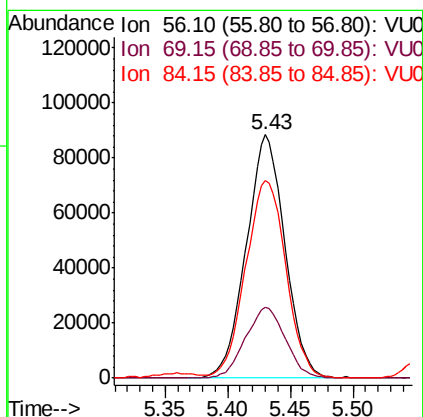
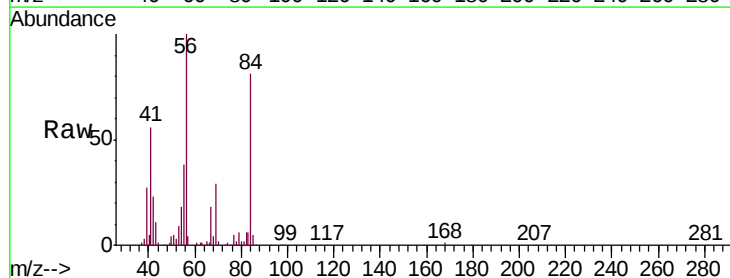
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

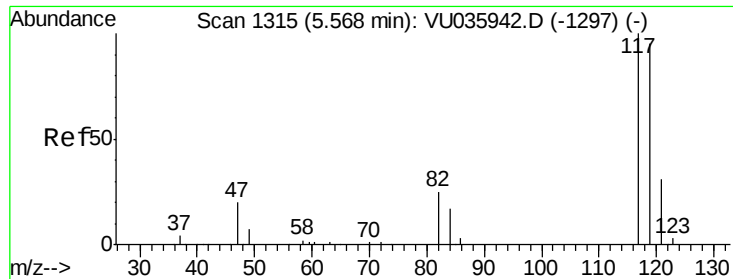
Tgt Ion: 97 Resp: 211138
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.8 77.8
 61 46.5 37.6 56.4



#30
 Cyclohexane
 Concen: 4.647 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035961.D
 Acq: 04 Dec 2019 10:11

Tgt Ion: 56 Resp: 189757
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.0 36.0
 84 84.0 66.9 100.3





#31

Carbon tetrachloride

Concen: 5.130 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

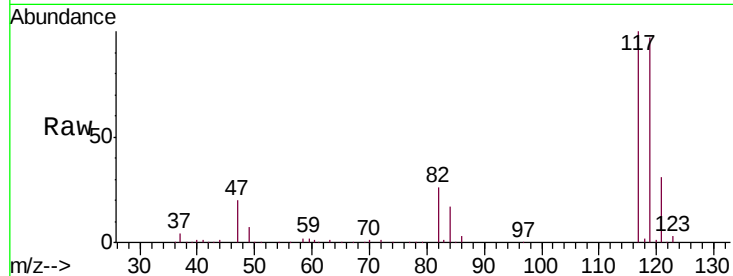
VSTD00520

Tgt Ion:117 Resp: 188047

Ion Ratio Lower Upper

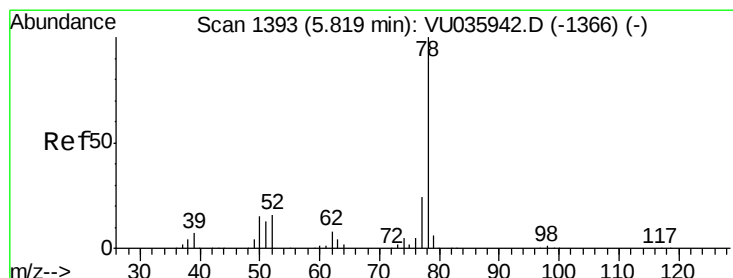
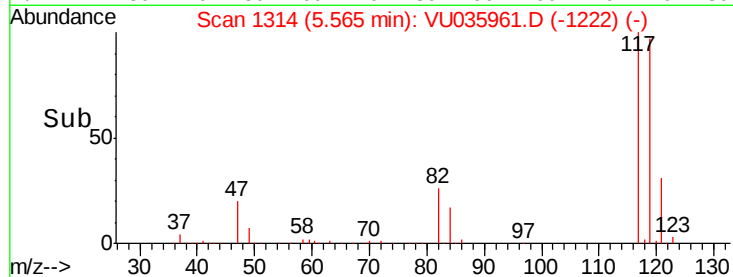
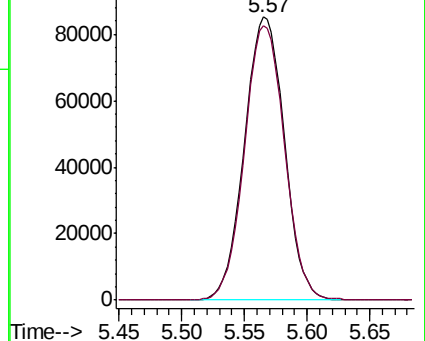
117 100

119 97.5 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.186 ug/L

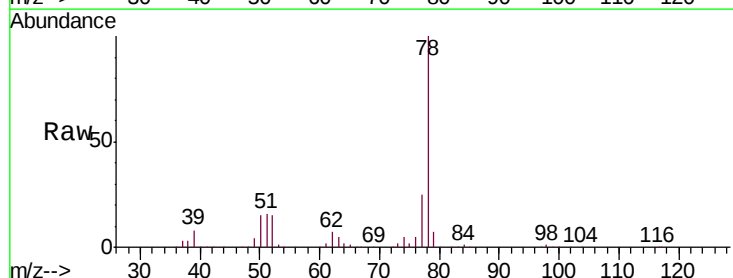
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

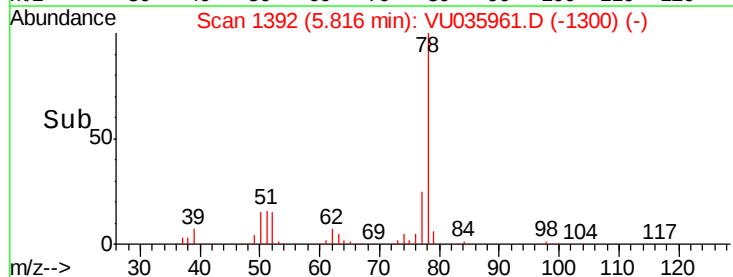
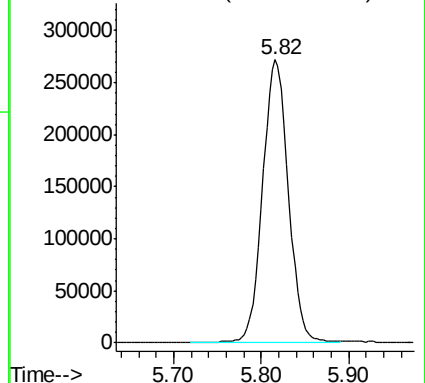
Lab File: VU035961.D

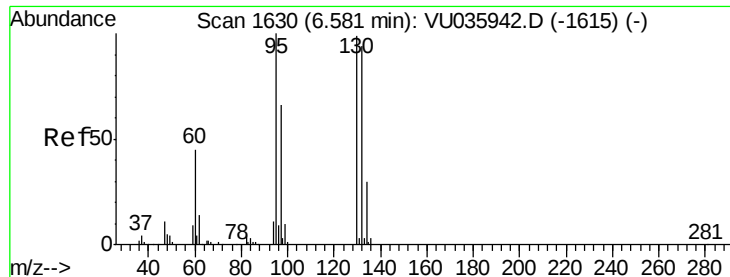
Acq: 04 Dec 2019 10:11

Tgt Ion: 78 Resp: 557530



Abundance Ion 78.10 (77.80 to 78.80): VU0

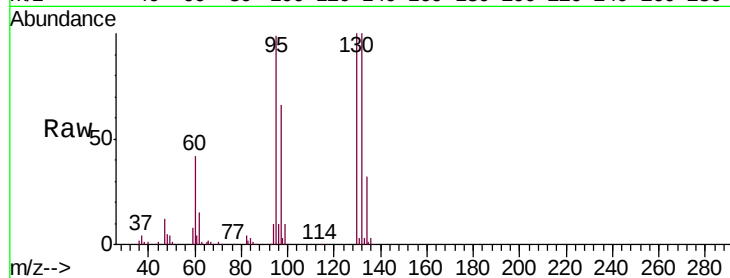




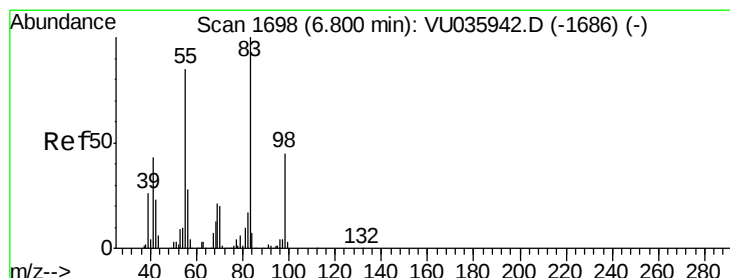
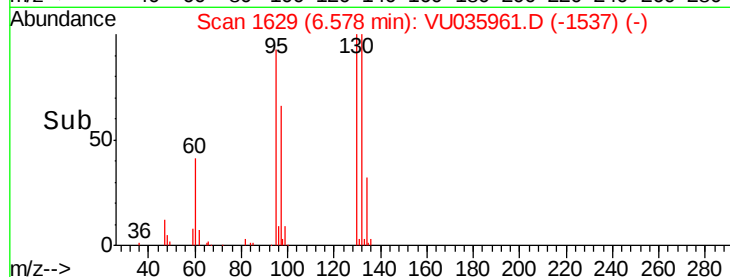
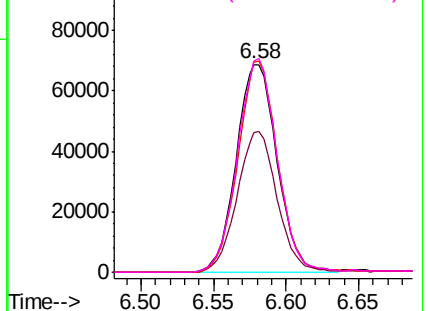
#34
 Trichloroethene
 Concen: 4.945 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU035961.D
 Acq: 04 Dec 2019 10:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion: 95 Resp: 134424
 Ion Ratio Lower Upper
 95 100
 97 67.1 46.3 85.9
 132 101.0 65.7 122.1
 130 101.4 69.2 128.6

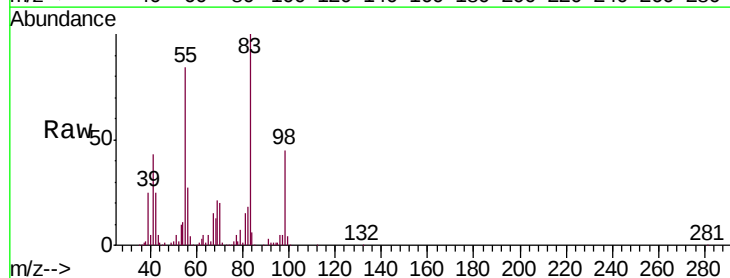


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

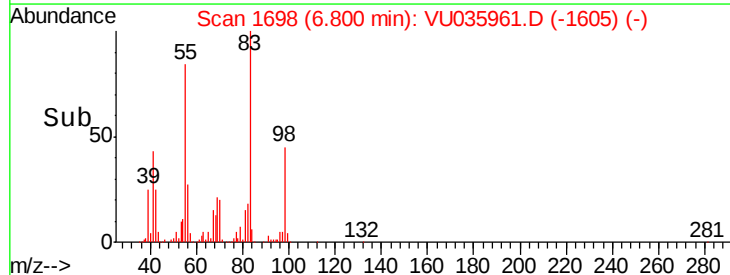
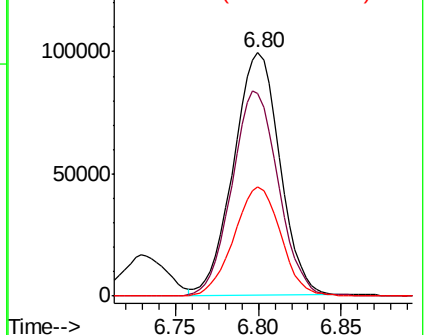


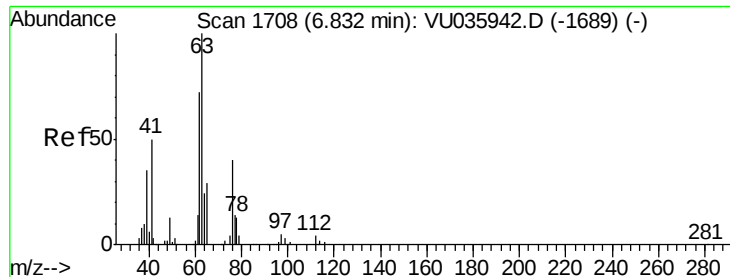
#35
 Methylcyclohexane
 Concen: 4.731 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU035961.D
 Acq: 04 Dec 2019 10:11

Tgt Ion: 83 Resp: 192842
 Ion Ratio Lower Upper
 83 100
 55 85.2 67.4 101.0
 98 45.8 34.6 52.0



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.019 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

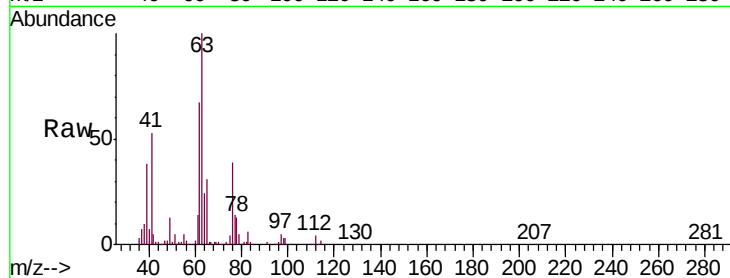
VSTD00520

Tgt Ion: 63 Resp: 146084

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



Abundance Ion 63.10 (62.80 to 63.80): VU035942.D (-1689) (-)

Ion 112.10 (111.80 to 112.80): VU035942.D (-1689) (-)

6.83

80000

60000

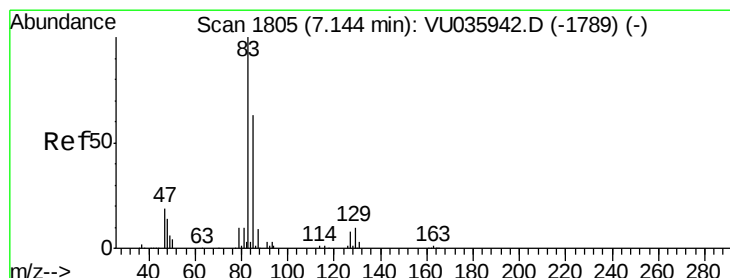
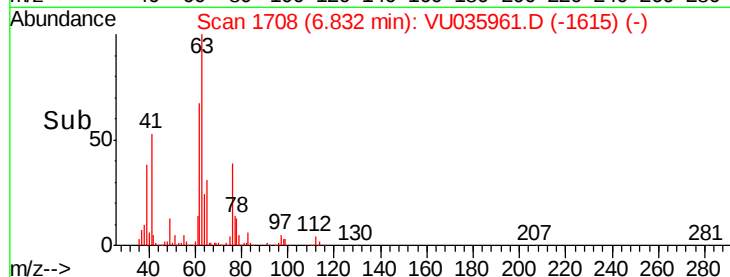
40000

20000

0

6.70 6.80 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.118 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

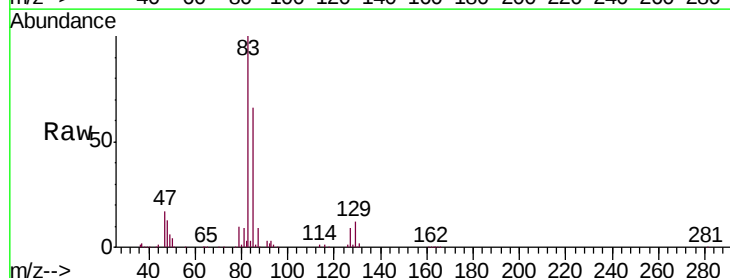
Tgt Ion: 83 Resp: 178302

Ion Ratio Lower Upper

83 100

85 66.3 44.0 81.8

127 9.0 6.5 9.7



Abundance Ion 82.95 (82.65 to 83.65): VU035942.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU035942.D (-1789) (-)

Ion 126.90 (126.60 to 127.60): VU035942.D (-1789) (-)

7.14

120000

100000

80000

60000

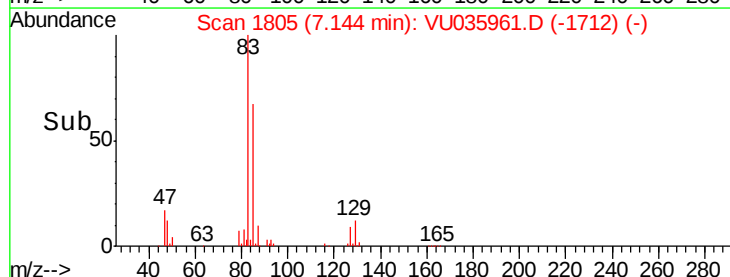
40000

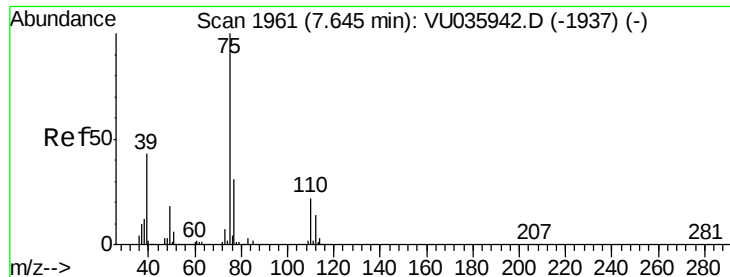
20000

0

7.05 7.10 7.15 7.20

Time-->

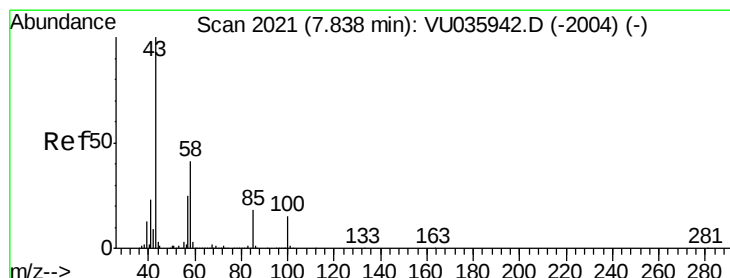
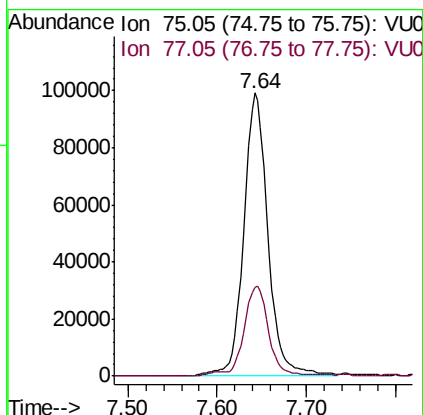
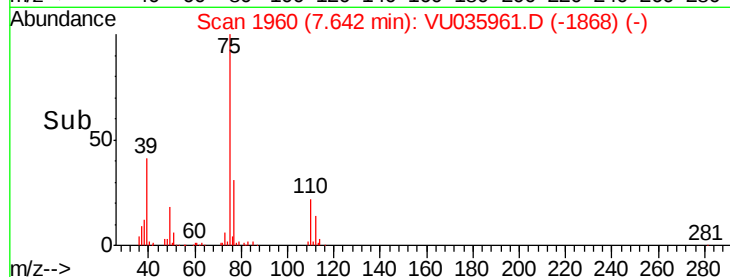
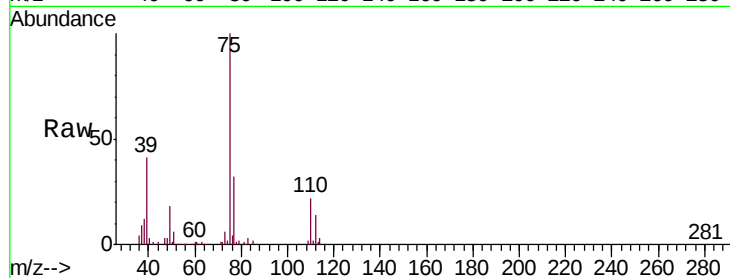




#39
 cis-1,3-Dichloropropene
 Concen: 4.836 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU035961.D
 Acq: 04 Dec 2019 10:11

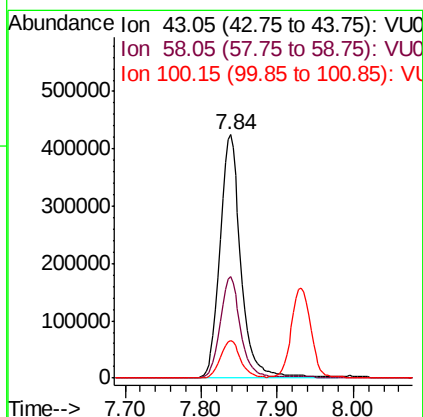
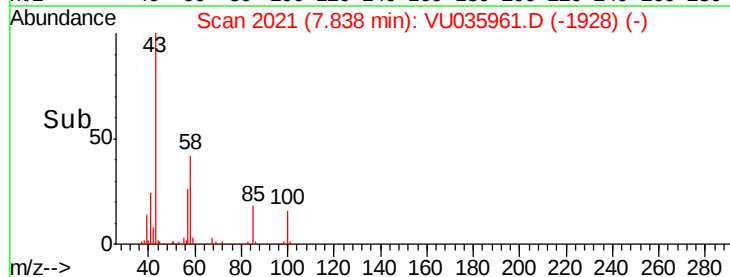
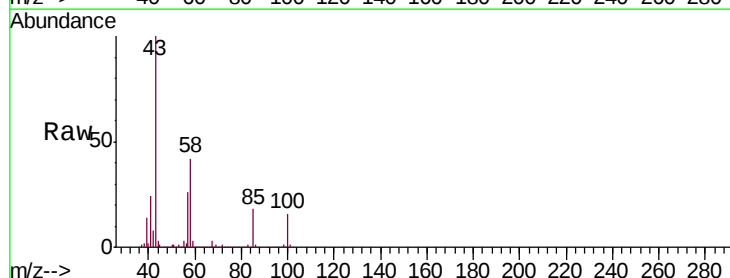
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

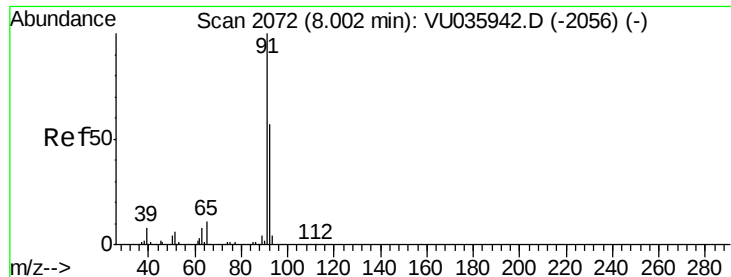
Tgt Ion: 75 Resp: 186754
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 47.583 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VU035961.D
 Acq: 04 Dec 2019 10:11

Tgt Ion: 43 Resp: 814104
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.3 48.5
 100 14.8 11.7 17.5





#42

Toluene

Concen: 5.328 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

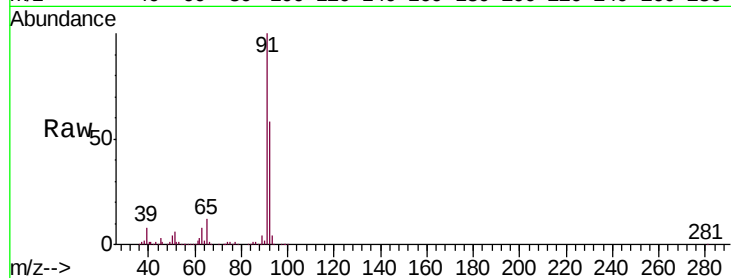
VSTD00520

Tgt Ion: 91 Resp: 598322

Ion Ratio Lower Upper

91 100

92 57.9 39.8 74.0



Abundance Ion 91.15 (90.85 to 91.85): VU035942.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU035942.D (-2056) (-)

8.00

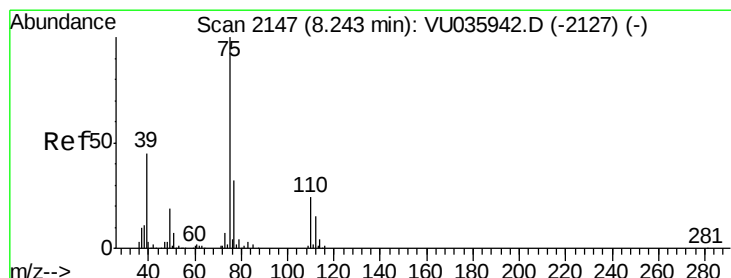
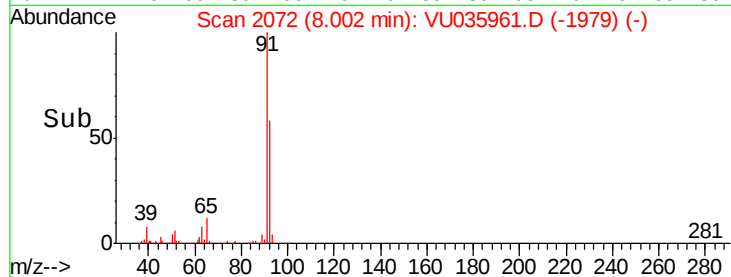
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.964 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU035961.D

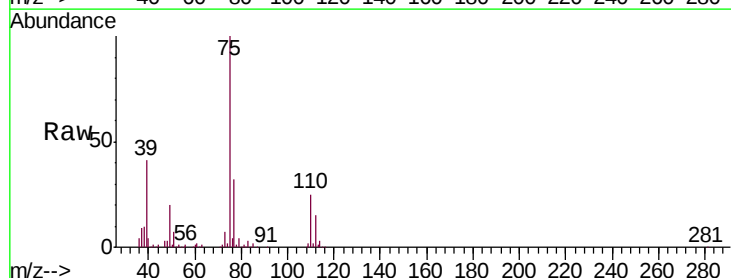
Acq: 04 Dec 2019 10:11

Tgt Ion: 75 Resp: 163937

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU035942.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU035942.D (-2127) (-)

8.24

100000

80000

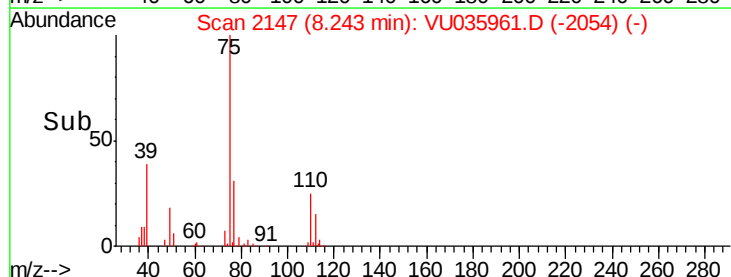
60000

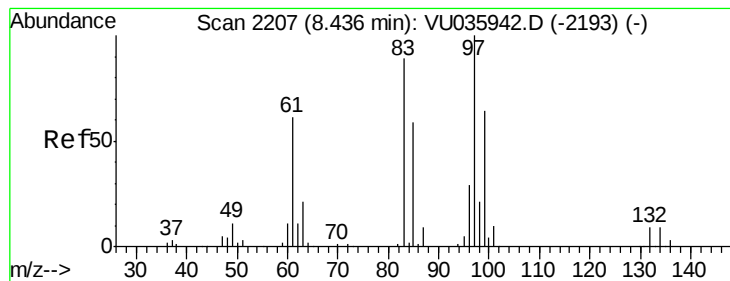
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.188 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tgt Ion: 97 Resp: 102804

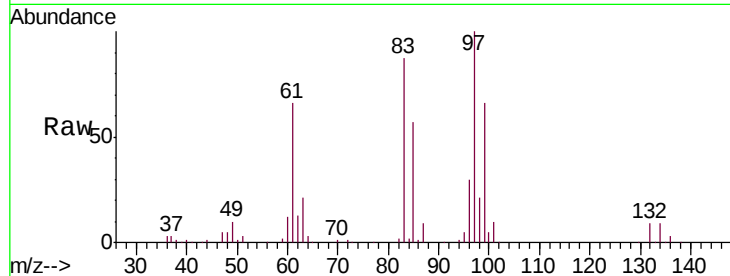
Ion Ratio Lower Upper

97 100

99 65.6 45.0 83.6

83 86.8 62.1 115.3

85 57.2 41.4 77.0

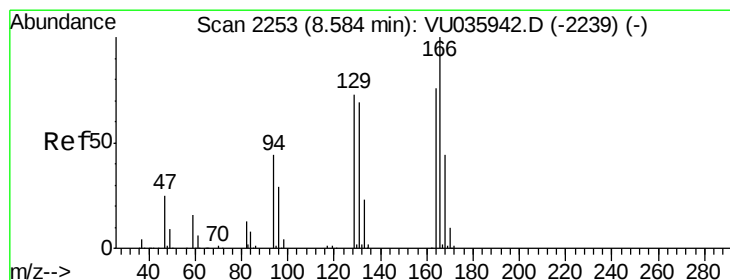
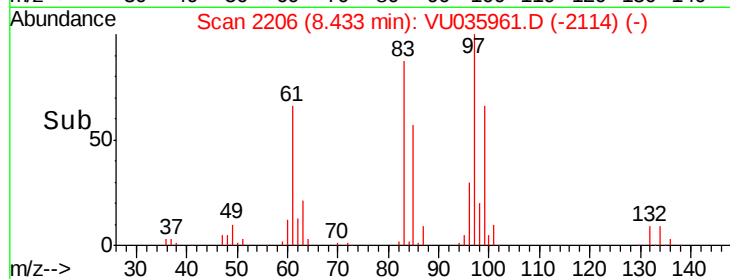
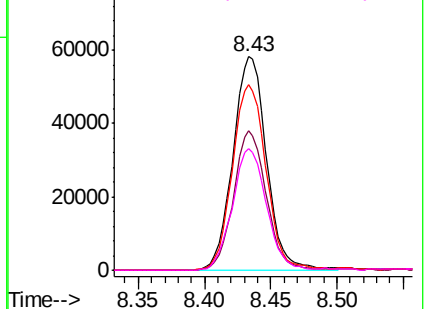


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.204 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Tgt Ion: 164 Resp: 114978

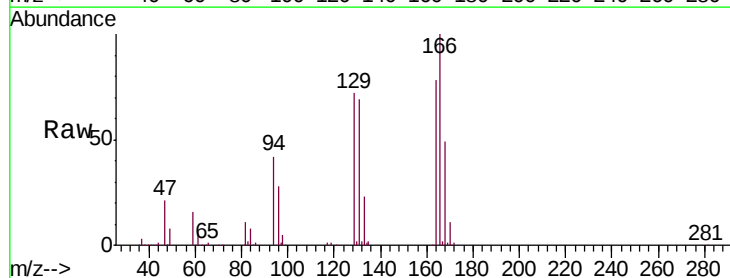
Ion Ratio Lower Upper

164 100

129 92.7 67.9 126.1

131 88.7 64.1 119.1

166 128.6 92.6 172.0

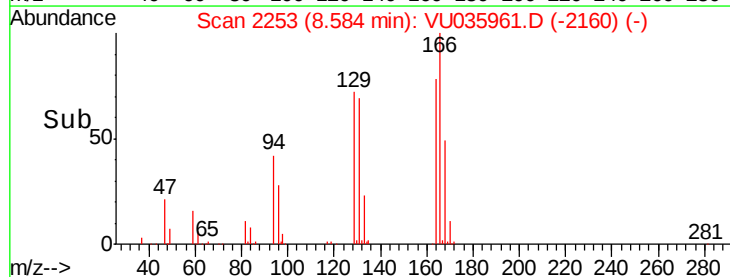
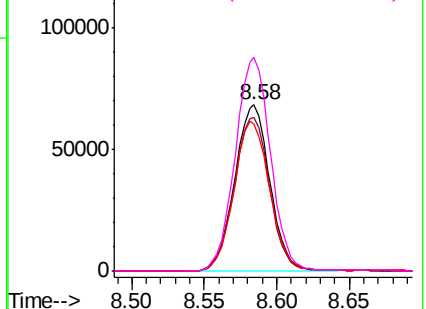


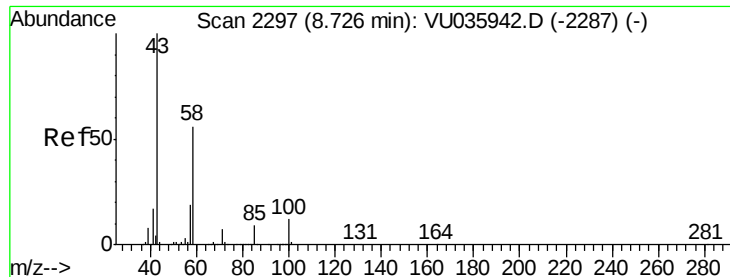
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

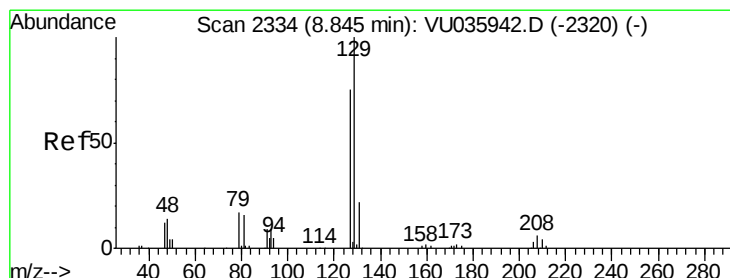
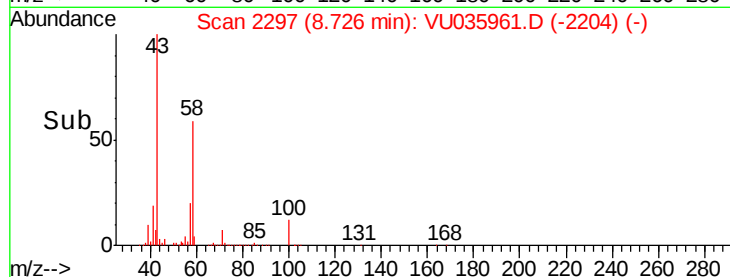
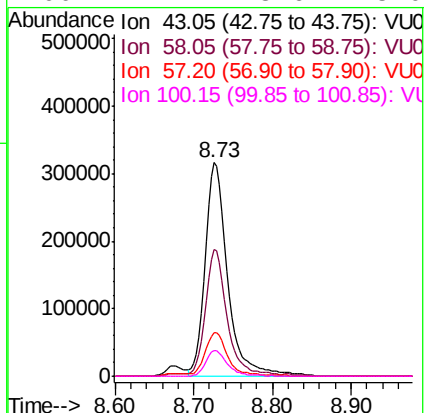
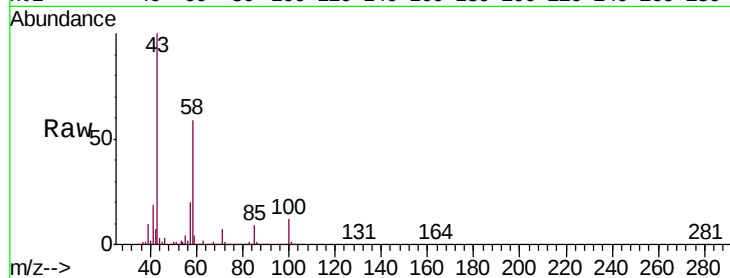




#48
2-Hexanone
Concen: 49.329 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU035961.D
Acq: 04 Dec 2019 10:11

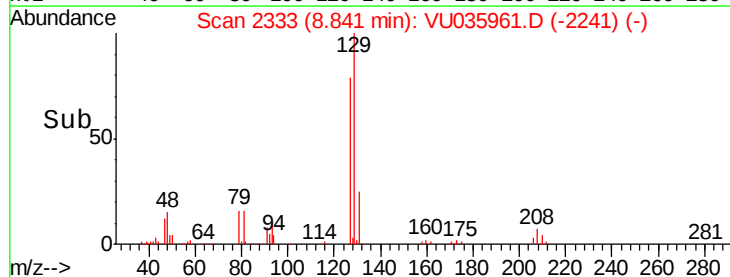
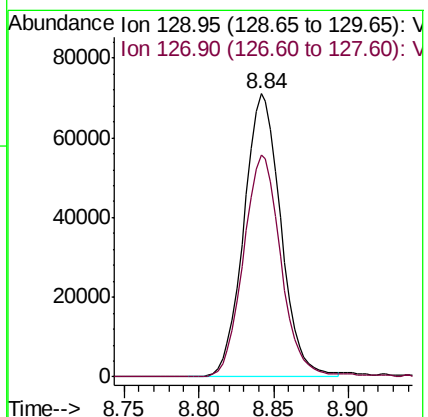
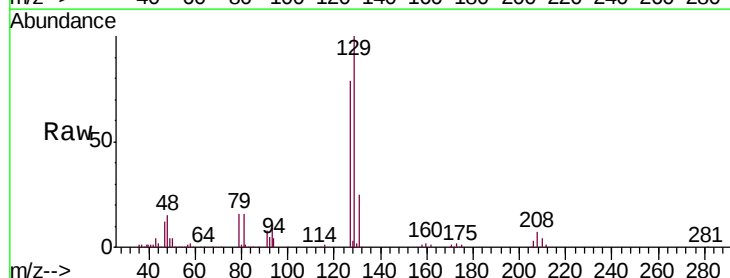
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

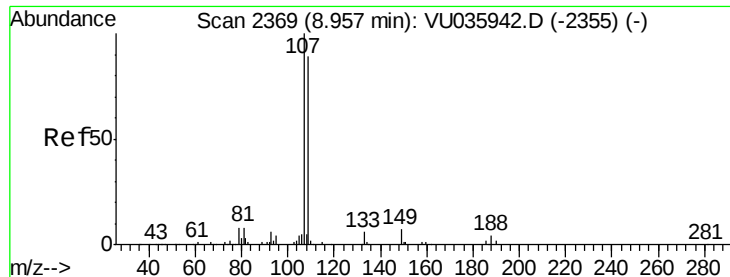
Tgt Ion:	43	Resp:	623405
Ion	Ratio	Lower	Upper
43	100		
58	55.1	45.4	68.2
57	21.0	14.9	22.3
100	11.4	8.6	13.0



#49
Dibromochloromethane
Concen: 5.068 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU035961.D
Acq: 04 Dec 2019 10:11

Tgt Ion:	129	Resp:	122462
Ion	Ratio	Lower	Upper
129	100		
127	78.5	52.8	98.0

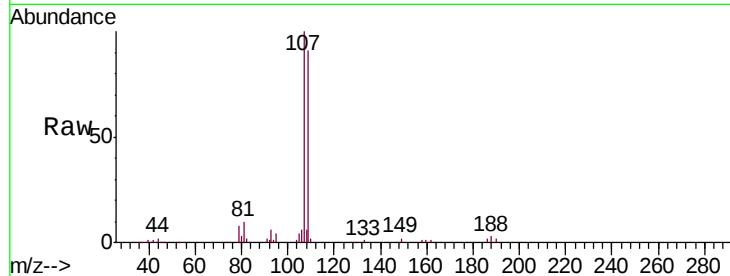




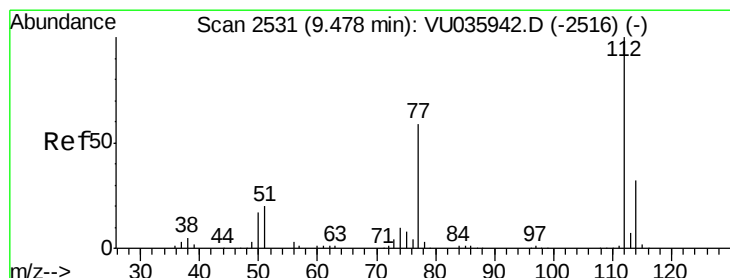
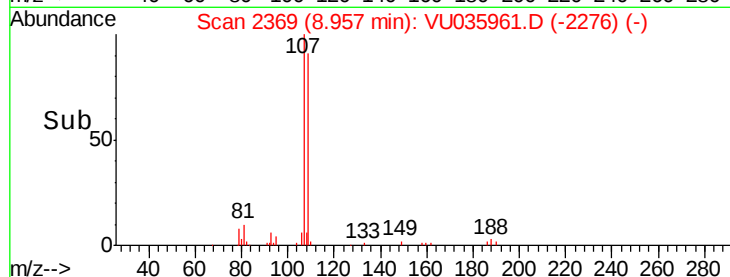
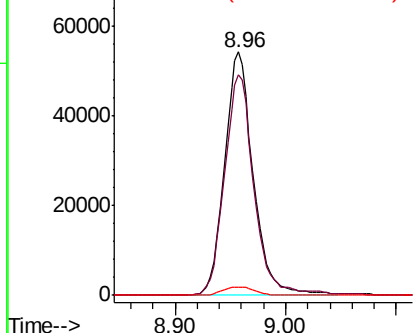
#50
1,2-Dibromoethane
Concen: 5.066 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU035961.D
Acq: 04 Dec 2019 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion:107 Resp: 97420
Ion Ratio Lower Upper
107 100
109 90.7 62.5 116.1
188 3.4 3.0 4.6

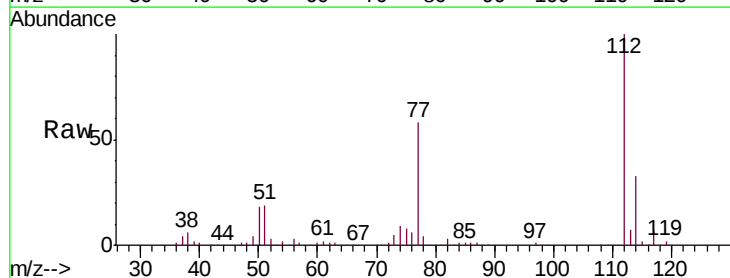


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

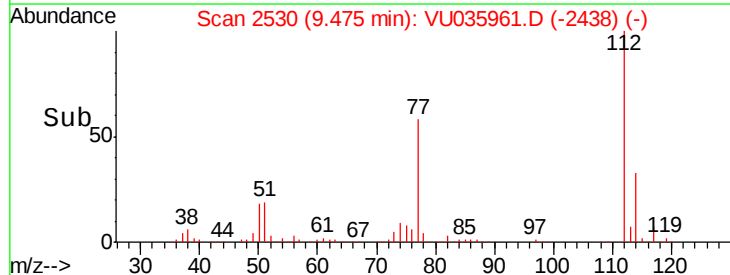
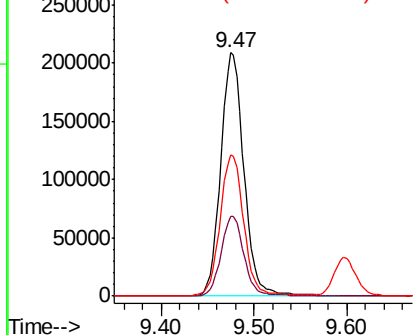


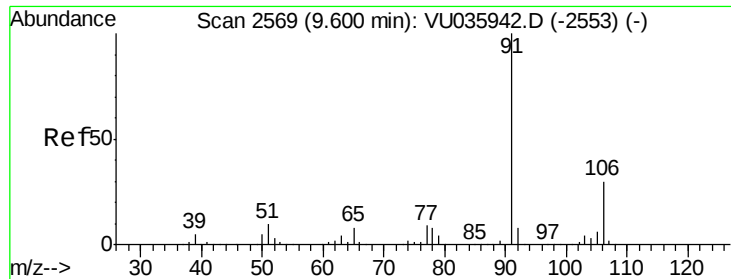
#51
Chlorobenzene
Concen: 5.172 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU035961.D
Acq: 04 Dec 2019 10:11

Tgt Ion:112 Resp: 362710
Ion Ratio Lower Upper
112 100
114 32.9 22.5 41.7
77 58.2 47.7 71.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

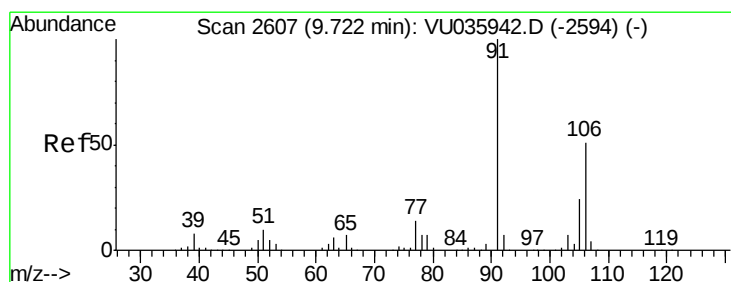
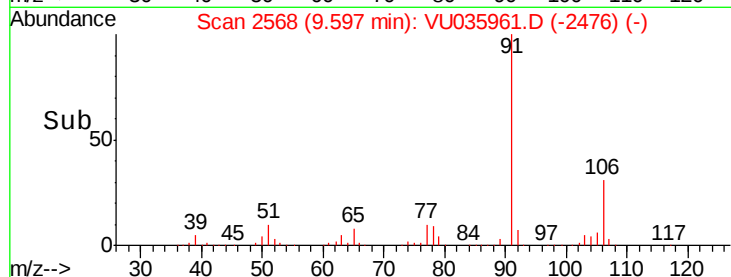
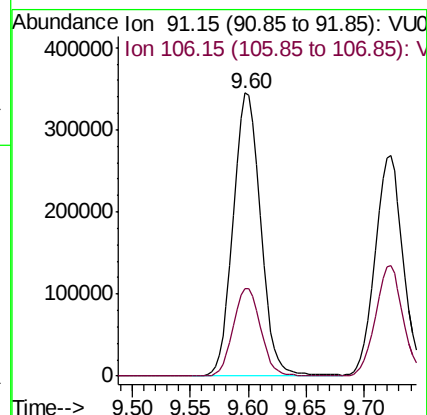
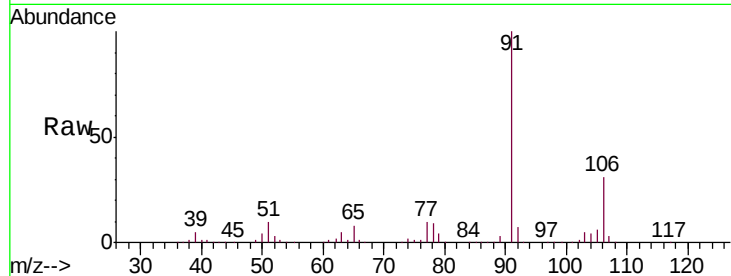




#52
Ethylbenzene
Concen: 4.974 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. -0.00 min
Lab File: VU035961.D
Acq: 04 Dec 2019 10:11

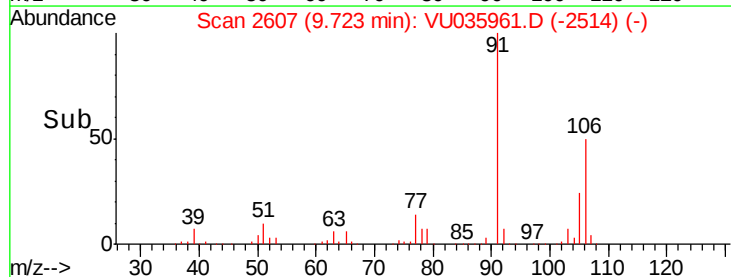
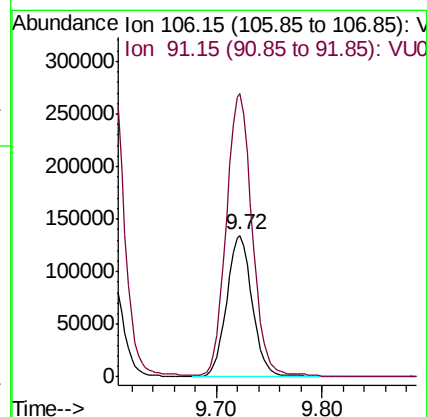
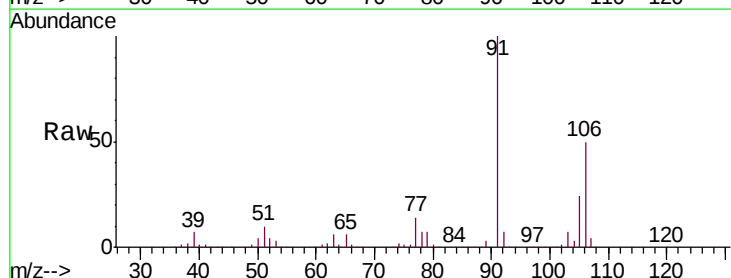
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

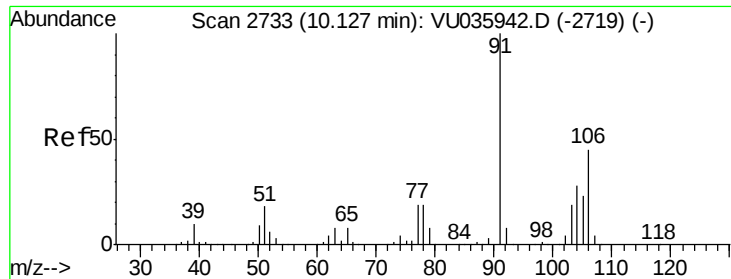
Tgt Ion: 91 Resp: 564624
Ion Ratio Lower Upper
91 100
106 31.1 21.1 39.3



#53
m,p-Xylene
Concen: 5.271 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VU035961.D
Acq: 04 Dec 2019 10:11

Tgt Ion: 106 Resp: 225885
Ion Ratio Lower Upper
106 100
91 200.3 138.9 257.9

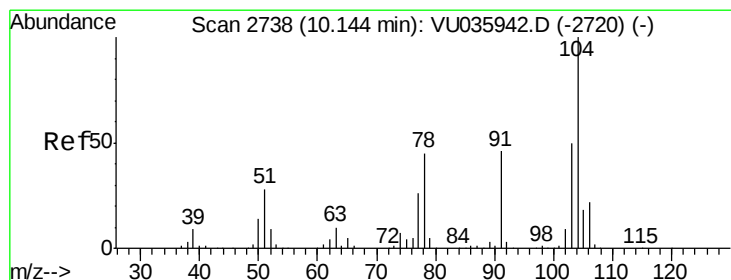
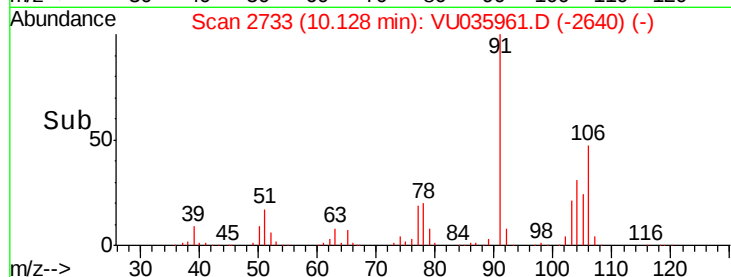
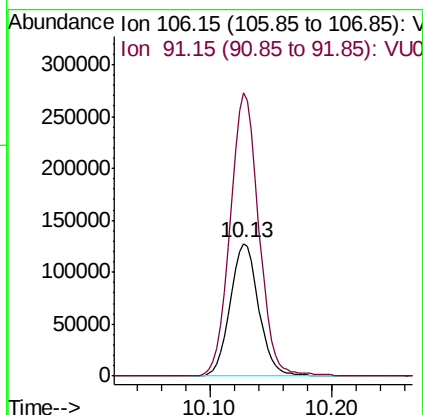
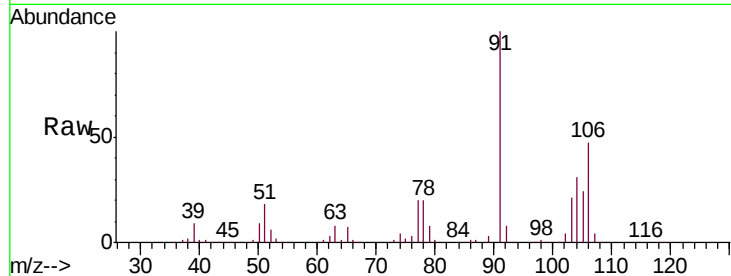




#54
o-Xylene
Concen: 5.206 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU035961.D
Acq: 04 Dec 2019 10:11

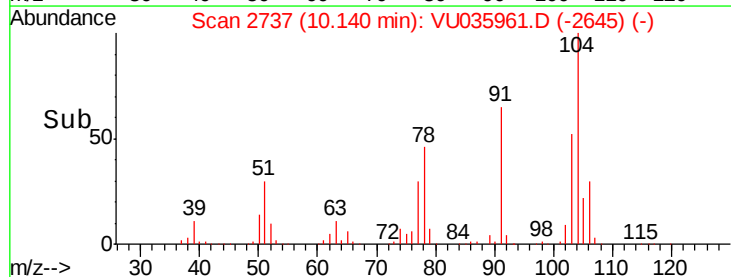
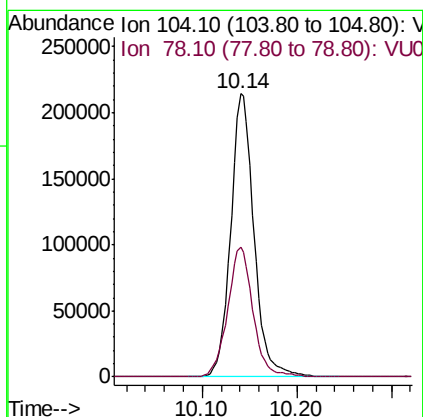
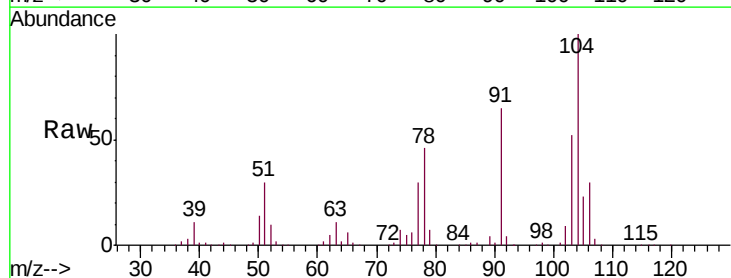
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

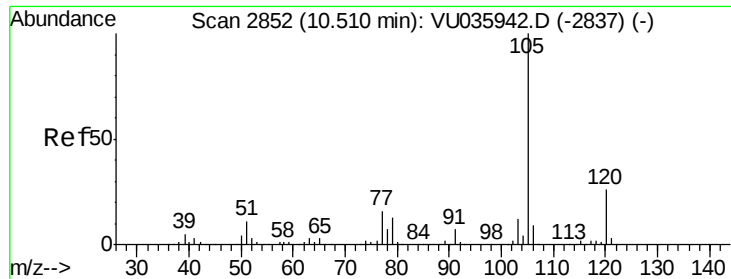
Tgt Ion:106 Resp: 209333
Ion Ratio Lower Upper
106 100
91 212.9 155.3 288.3



#55
Styrene
Concen: 5.426 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU035961.D
Acq: 04 Dec 2019 10:11

Tgt Ion:104 Resp: 366905
Ion Ratio Lower Upper
104 100
78 45.8 31.2 58.0





#56

Isopropylbenzene

Concen: 5.191 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

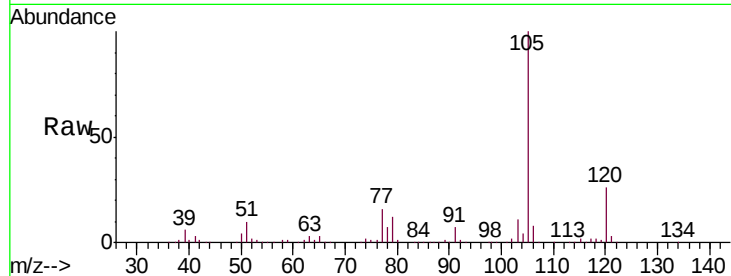
Tgt Ion: 105 Resp: 547174

Ion Ratio Lower Upper

105 100

120 25.9 21.3 31.9

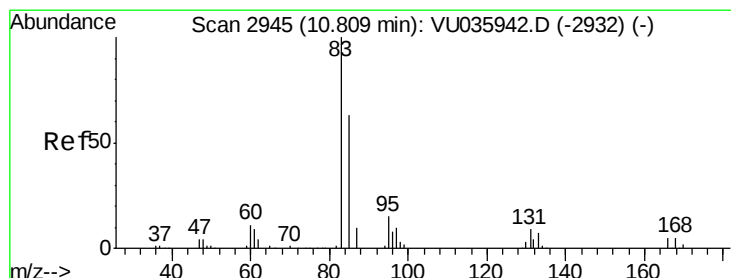
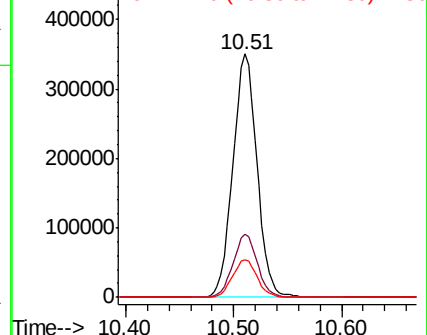
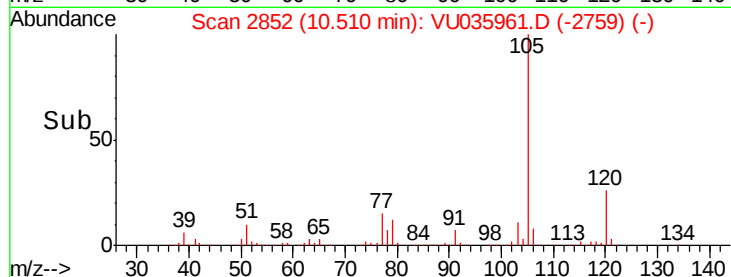
77 16.1 13.1 19.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.884 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

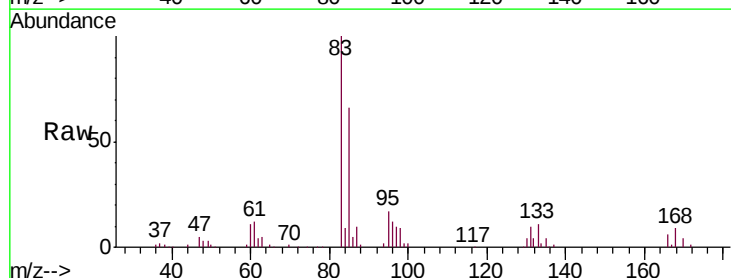
Tgt Ion: 83 Resp: 129897

Ion Ratio Lower Upper

83 100

85 65.8 44.3 82.3

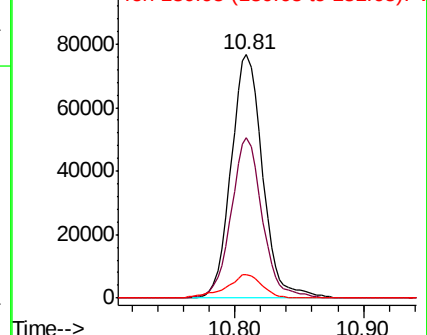
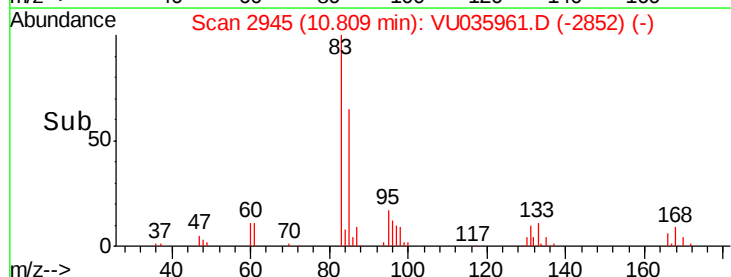
131 9.9 7.2 10.8

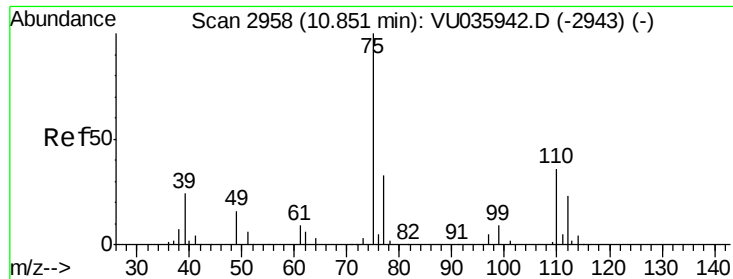


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.022 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

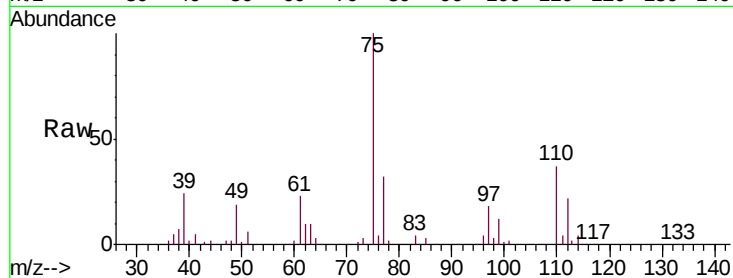
VSTD00520

Tgt Ion: 75 Resp: 95019

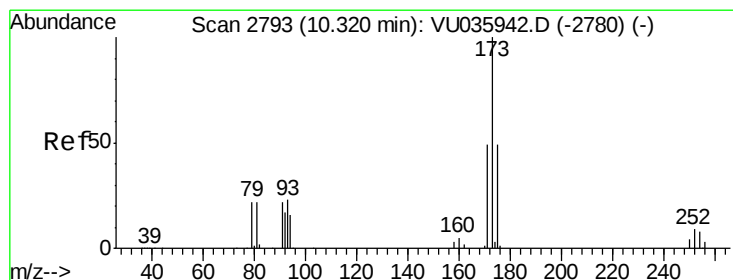
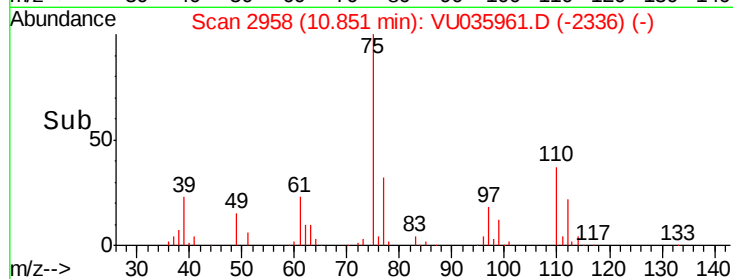
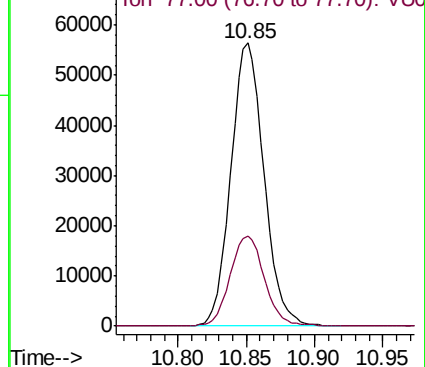
Ion Ratio Lower Upper

75 100

77 33.2 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU035942.D (-2943) (-)



#61

Bromoform

Concen: 4.658 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

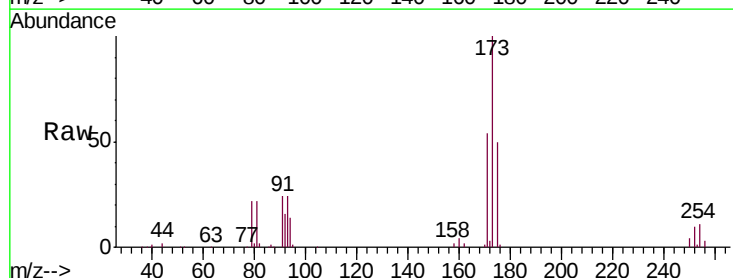
Tgt Ion: 173 Resp: 72466

Ion Ratio Lower Upper

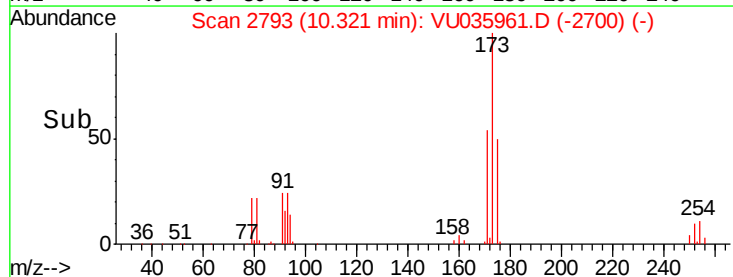
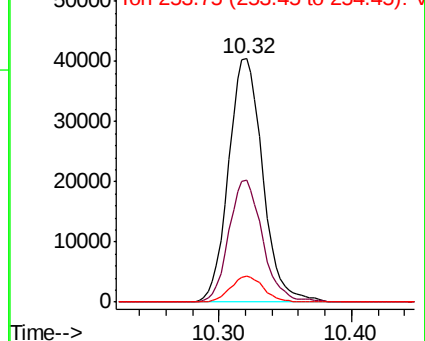
173 100

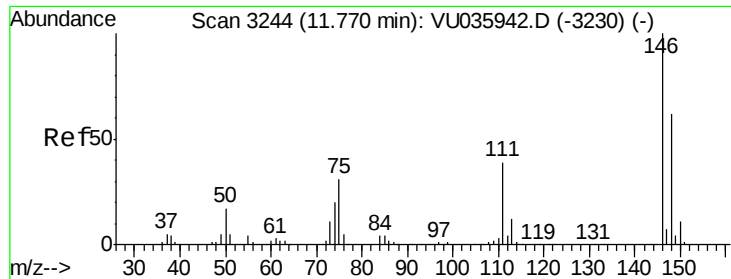
175 49.4 39.3 58.9

254 10.2 7.3 10.9



Abundance Ion 172.90 (172.60 to 173.60): VU035942.D (-2780) (-)

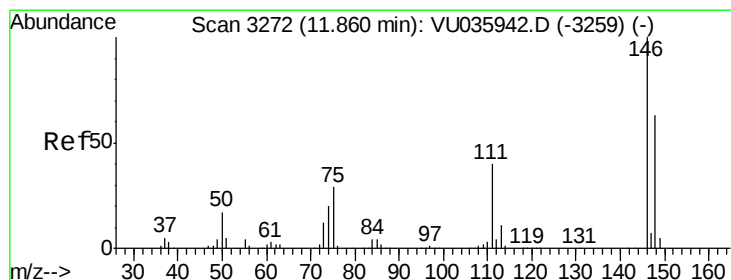
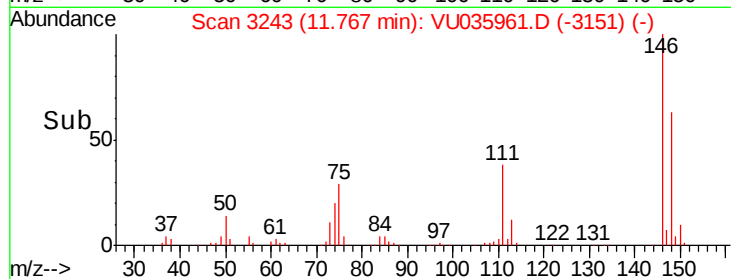
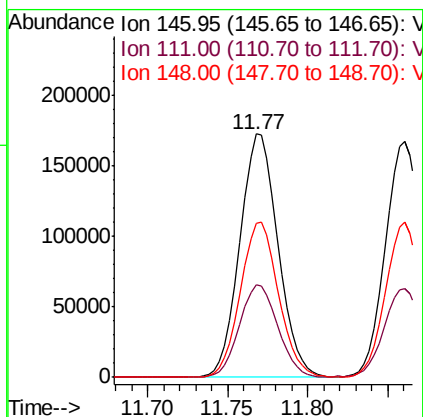
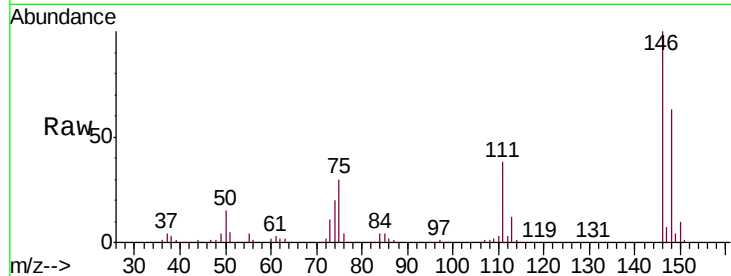




#62
 1,3-Dichlorobenzene
 Concen: 5.020 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU035961.D
 Acq: 04 Dec 2019 10:11

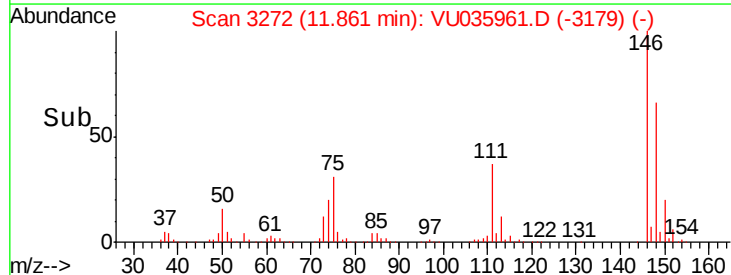
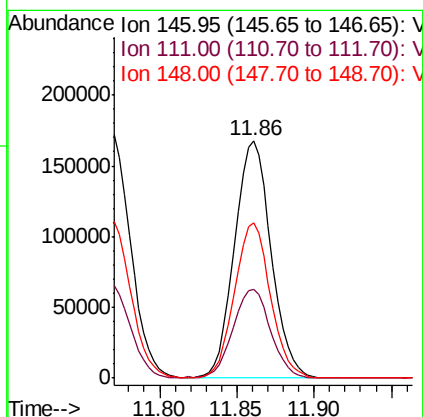
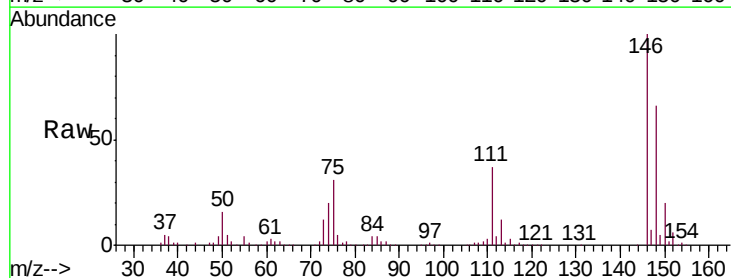
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

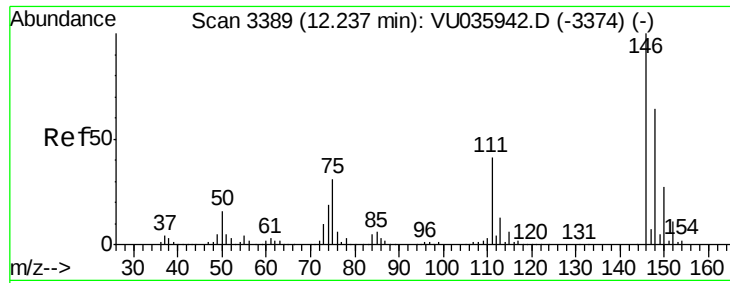
Tgt Ion:146 Resp: 281194
 Ion Ratio Lower Upper
 146 100
 111 38.3 27.6 51.4
 148 63.3 43.4 80.6



#63
 1,4-Dichlorobenzene
 Concen: 4.951 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU035961.D
 Acq: 04 Dec 2019 10:11

Tgt Ion:146 Resp: 275267
 Ion Ratio Lower Upper
 146 100
 111 37.4 28.5 52.9
 148 65.6 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 4.918 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

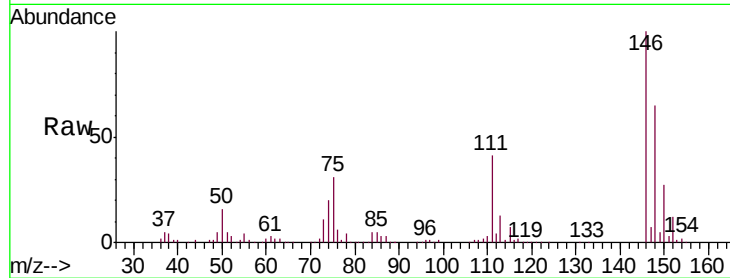
Tgt Ion:146 Resp: 263272

Ion Ratio Lower Upper

146 100

111 41.4 32.6 48.8

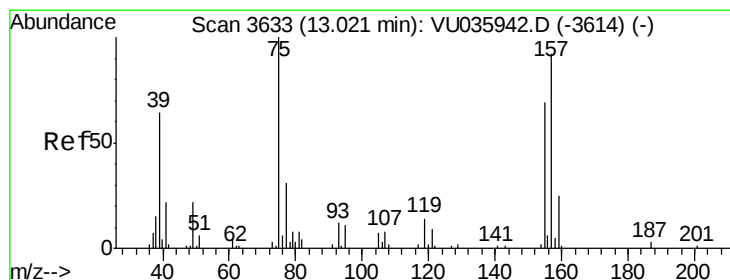
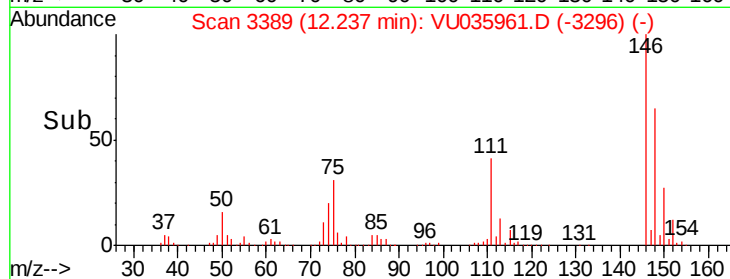
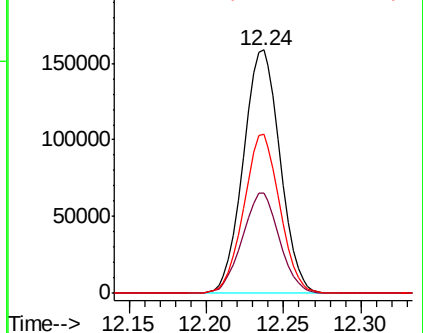
148 65.4 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.342 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

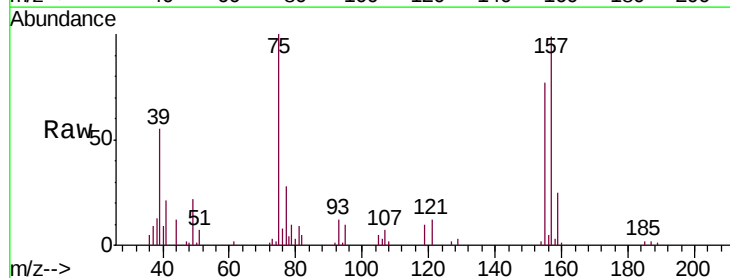
Tgt Ion: 75 Resp: 18108

Ion Ratio Lower Upper

75 100

155 76.7 55.1 82.7

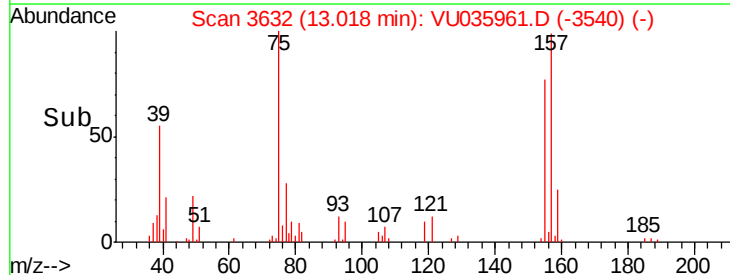
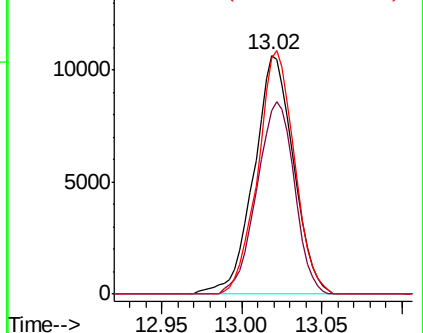
157 99.0 74.0 111.0

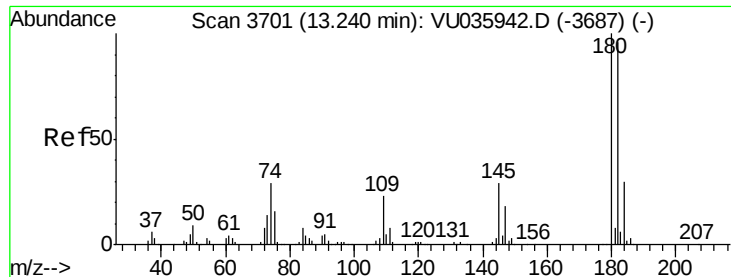


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

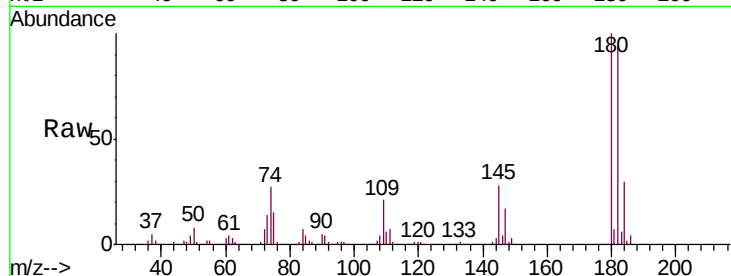




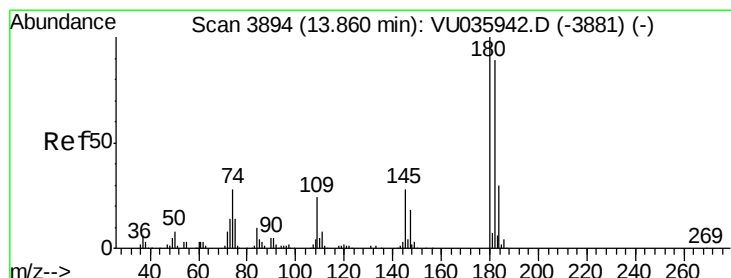
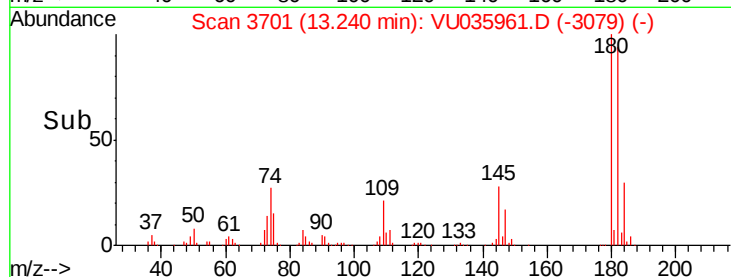
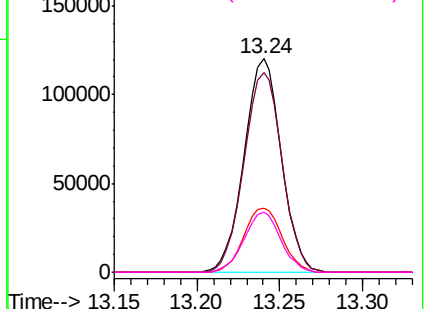
#67
 1,3,5-Trichlorobenzene
 Concen: 4.895 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035961.D
 Acq: 04 Dec 2019 10:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion:	180	Resp:	187170
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.2	115.8
184	31.0	24.5	36.7
145	27.9	23.0	34.6

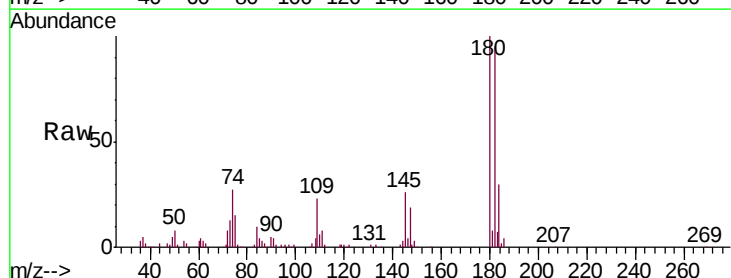


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

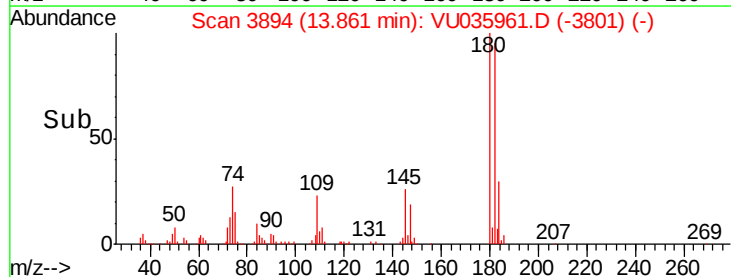
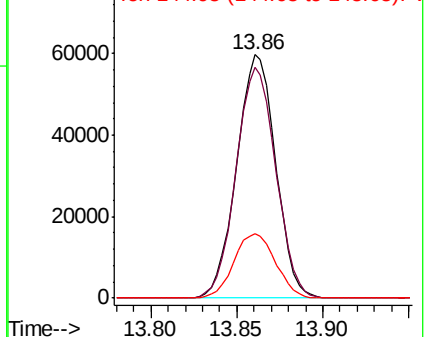


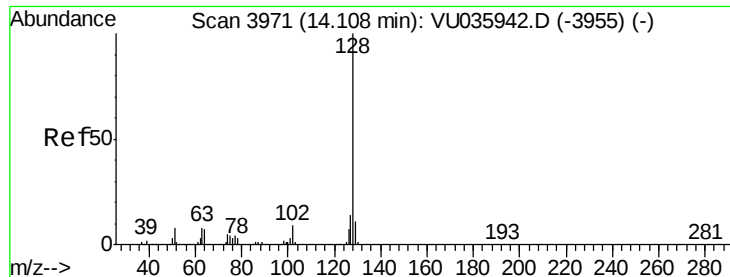
#68
 1,2,4-trichlorobenzene
 Concen: 4.604 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU035961.D
 Acq: 04 Dec 2019 10:11

Tgt Ion:	180	Resp:	94330
Ion	Ratio	Lower	Upper
180	100		
182	96.5	74.5	111.7
145	28.2	23.4	35.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.501 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

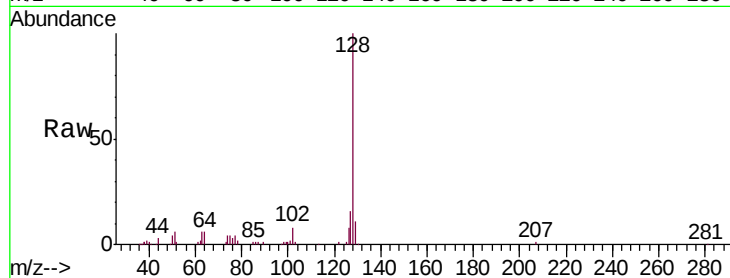
Tgt Ion:128 Resp: 81686

Ion Ratio Lower Upper

128 100

129 11.1 8.4 12.6

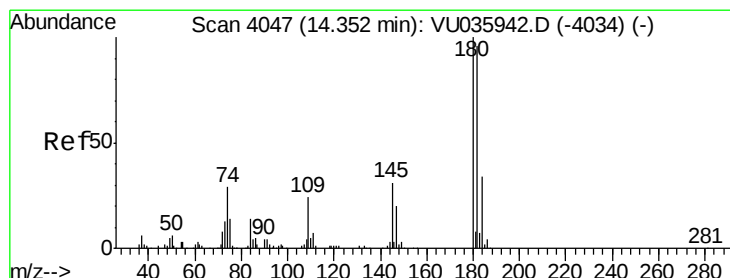
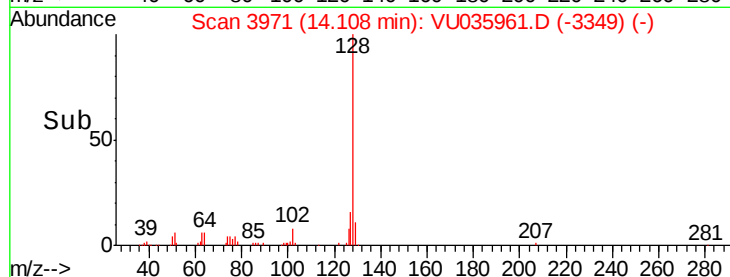
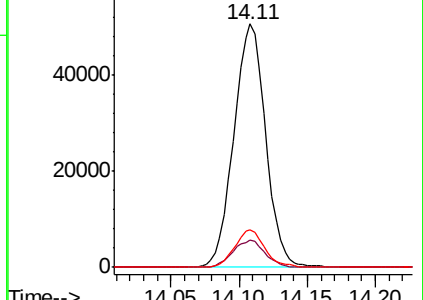
127 14.5 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.544 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU035961.D

Acq: 04 Dec 2019 10:11

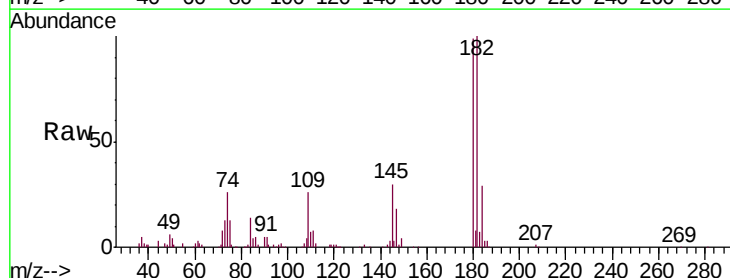
Tgt Ion:180 Resp: 92210

Ion Ratio Lower Upper

180 100

182 96.9 74.6 112.0

145 30.4 24.3 36.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

