

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102119\
 Data File : VU035320.D
 Acq On : 21 Oct 2019 10:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 21 14:55:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 21 05:38:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	690833	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	663353	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	310688	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	261578	44.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.04%
7) Chloroethane-d5	1.93	69	228022	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.44%
11) 1,1-Dichloroethene-d2	2.59	63	444840	45.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.72%
21) 2-Butanone-d5	4.69	46	388189	98.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.54%
24) Chloroform-d	5.11	84	456018	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
26) 1,2-Dichloroethane-d4	5.75	65	292227	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.84%
32) Benzene-d6	5.77	84	905795	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
36) 1,2-Dichloropropane-d6	6.73	67	293348	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.98%
41) Toluene-d8	7.93	98	860193	47.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	8.21	79	151844	47.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.90%
47) 2-Hexanone-d5	8.68	63	273060	100.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.53%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	428005	47.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	316029	43.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	265506	47.238	ug/L 99
3) Chloromethane	1.54	50	307275	52.755	ug/L 98
5) Vinyl chloride	1.62	62	283029	47.764	ug/L 100
6) Bromomethane	1.87	94	143006	40.278	ug/L 100
8) Chloroethane	1.95	64	174938	47.995	ug/L 99
9) Trichlorofluoromethane	2.16	101	360483	48.153	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	209613	48.037	ug/L 99
12) 1,1-Dichloroethene	2.61	96	203071	47.945	ug/L 94
13) Acetone	2.66	43	358447	102.059	ug/L 99
14) Carbon disulfide	2.82	76	621373	46.574	ug/L 100
15) Methyl Acetate	2.99	43	257213	49.547	ug/L 98
16) Methylene chloride	3.08	84	250354	49.849	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	219991	48.480	ug/L 97
18) Methyl tert-butyl Ether	3.42	73	703479	48.746	ug/L 100
19) 1,1-Dichloroethane	3.92	63	415369	48.067	ug/L 98
20) cis-1,2-Dichloroethene	4.72	96	250779	48.697	ug/L 96
22) 2-Butanone	4.77	43	434290	102.198	ug/L 98

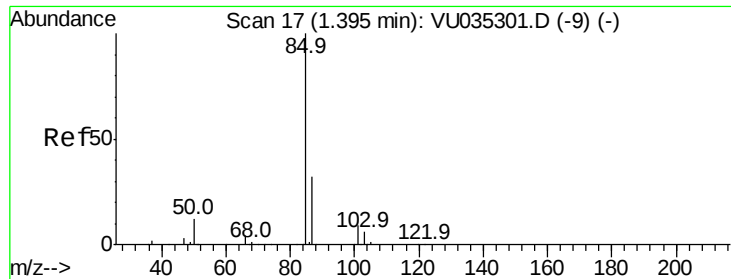
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102119\
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 Quant Title : VOC Analysis
 QLast Update : Mon Oct 21 05:38:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	121350	46.983	ug/L	98
25) Chloroform	5.13	83	424168	47.557	ug/L	99
27) 1,2-Dichloroethane	5.84	62	330988	47.897	ug/L	100
29) Cyclohexane	5.43	56	360244	48.568	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	354759	48.858	ug/L	99
31) Carbon tetrachloride	5.57	117	315150	49.613	ug/L	99
33) Benzene	5.82	78	926731	49.413	ug/L	100
34) Trichloroethene	6.58	95	233773	48.375	ug/L	99
35) Methylcyclohexane	6.80	83	361139	48.335	ug/L	99
37) 1,2-Dichloropropane	6.83	63	239357	49.284	ug/L	100
38) Bromodichloromethane	7.14	83	319313	49.145	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	405472	51.664	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	704436	98.174	ug/L	100
42) Toluene	8.00	91	1007124	49.057	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	367109	50.058	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	231790	48.418	ug/L	98
46) Tetrachloroethene	8.58	164	190589	48.820	ug/L	98
48) 2-Hexanone	8.73	43	575085	94.224	ug/L	96
49) Dibromochloromethane	8.84	129	263172	49.260	ug/L	99
50) 1,2-Dibromoethane	8.96	107	255723	48.285	ug/L	100
51) Chlorobenzene	9.48	112	644997	48.172	ug/L	98
52) Ethylbenzene	9.60	91	1117676	48.845	ug/L	99
53) m,p-Xylene	9.72	106	416771	49.411	ug/L	98
54) o-xylene	10.13	106	409300	48.922	ug/L	100
55) Styrene	10.14	104	688933	50.563	ug/L	99
56) Isopropylbenzene	10.51	105	1047092	48.341	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	406667	48.595	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	318012	48.085	ug/L	100
61) Bromoform	10.32	173	205861	46.304	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	475594	47.110	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	472046	46.694	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	470669	46.706	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	77845	48.872	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	280688	49.687	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	191701	51.486	ug/L	99
69) Naphthalene	14.11	128	511873	49.943	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	196748	51.080	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 47.238 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

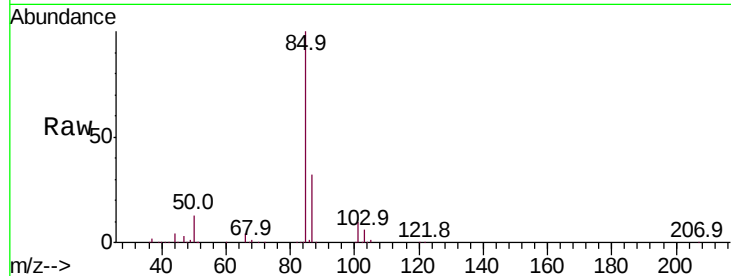
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 265506

Ion Ratio Lower Upper

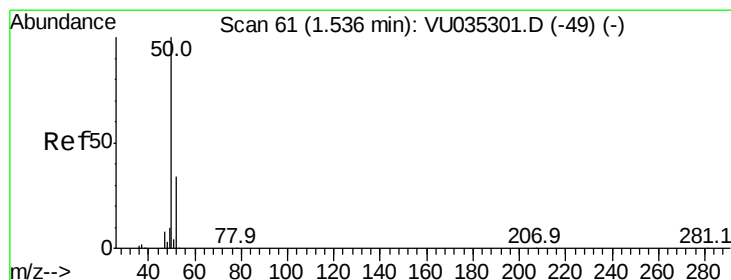
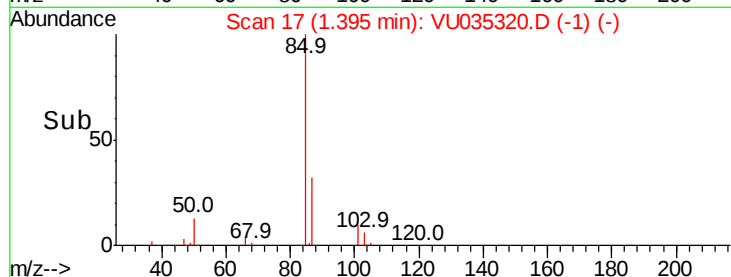
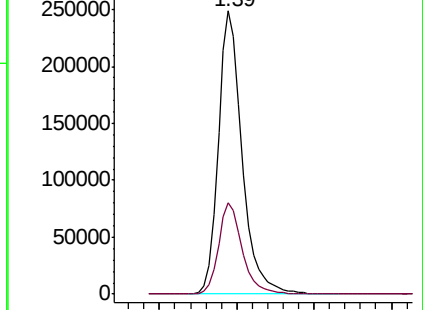
85 100

87 32.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035320.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU035320.D (-1) (-)



#3

Chloromethane

Concen: 52.755 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035320.D

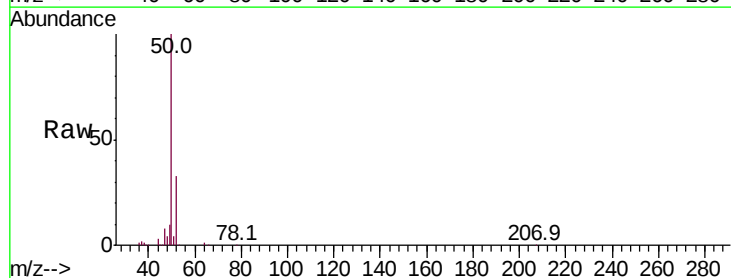
Acq: 21 Oct 2019 10:39

Tgt Ion: 50 Resp: 307275

Ion Ratio Lower Upper

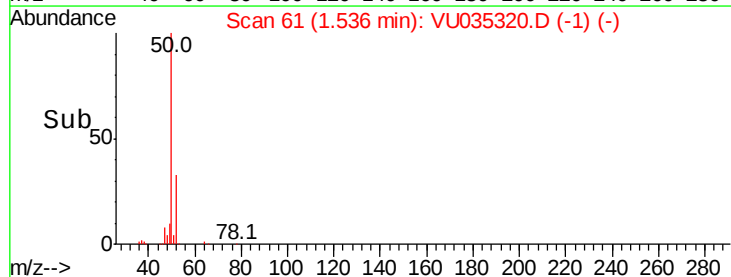
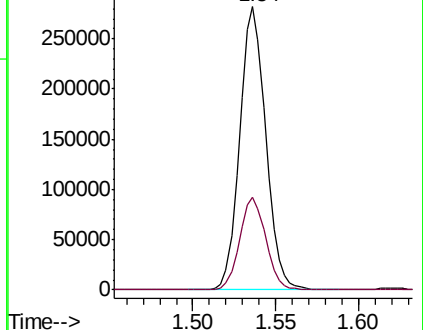
50 100

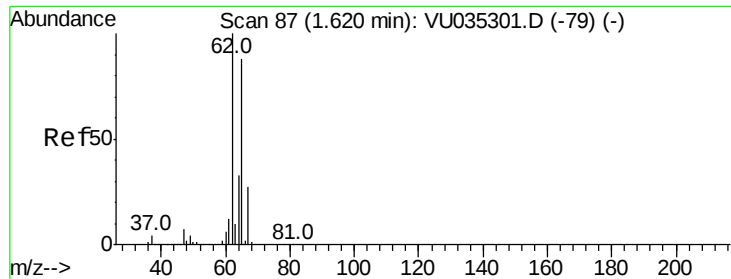
52 32.6 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VU035320.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU035320.D (-1) (-)





#5

Vinyl chloride

Concen: 47.764 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

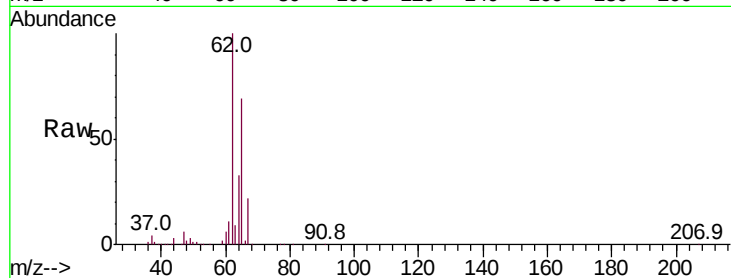
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 283029

Ion Ratio Lower Upper

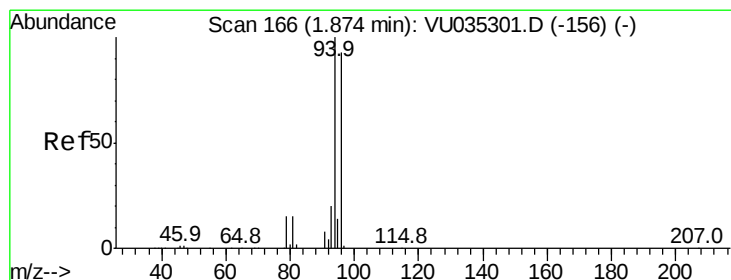
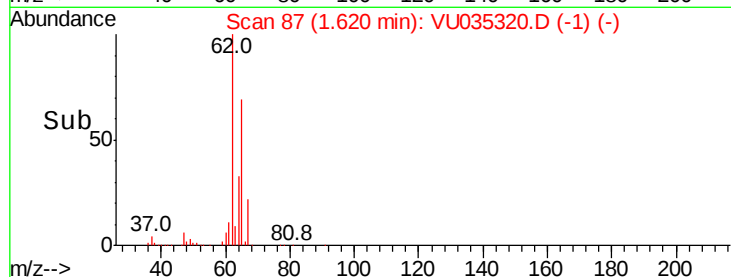
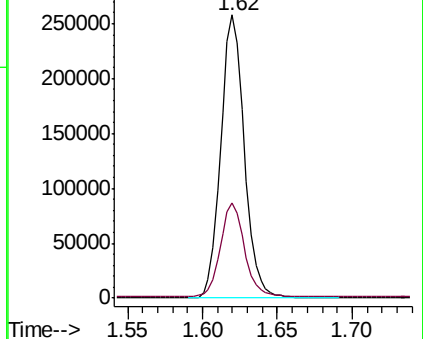
62 100

64 33.5 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VU035320.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU035320.D (-1) (-)



#6

Bromomethane

Concen: 40.278 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035320.D

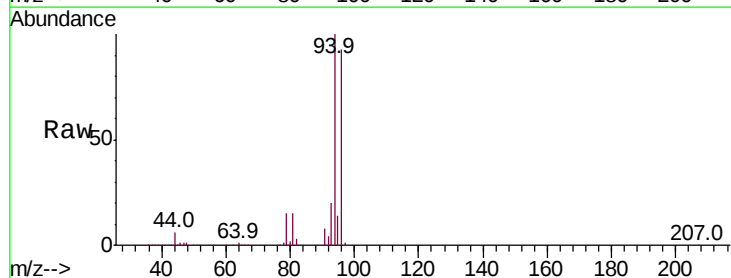
Acq: 21 Oct 2019 10:39

Tgt Ion: 94 Resp: 143006

Ion Ratio Lower Upper

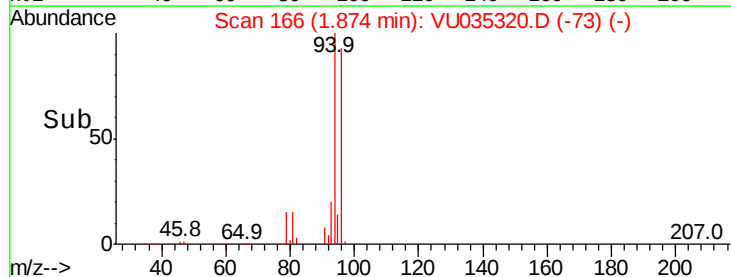
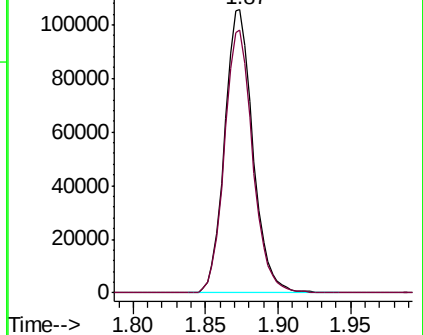
94 100

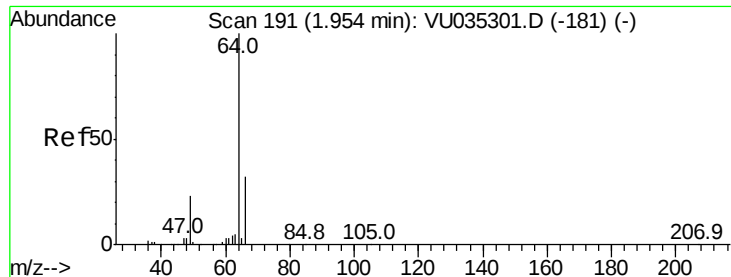
96 92.8 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU035320.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU035320.D (-73) (-)





#8

Chloroethane

Concen: 47.995 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Instrument :

MSVOA_U

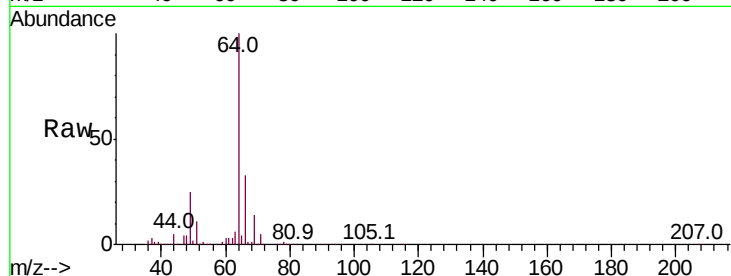
ClientSampleId :

Tot Ion: 64 Resp: 174938

Ion Ratio Lower Upper

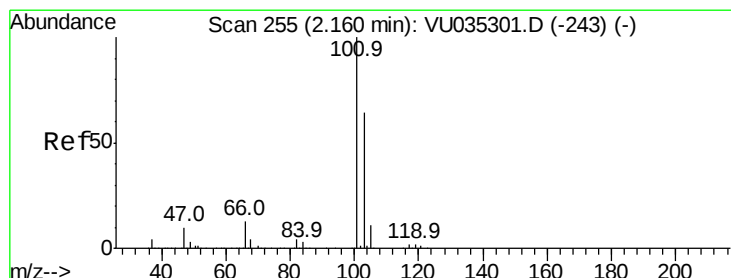
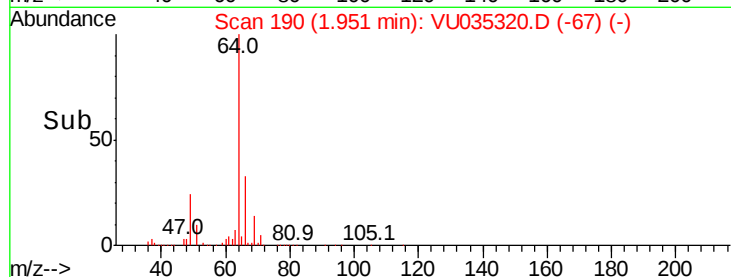
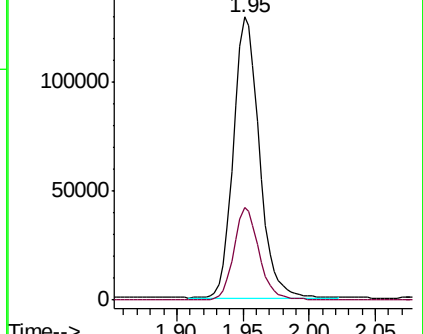
64 100

66 32.6 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU035320.D (-181) (-)

Ion 66.00 (65.70 to 66.70): VU035320.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 48.153 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU035320.D

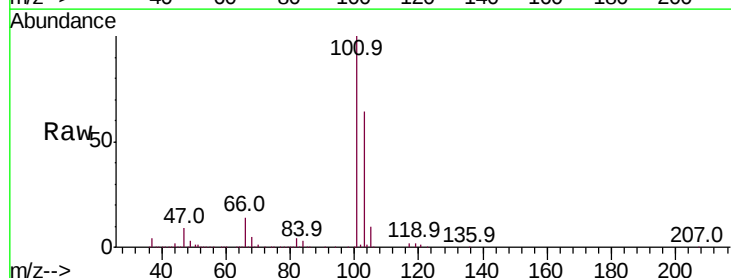
Acq: 21 Oct 2019 10:39

Tgt Ion: 101 Resp: 360483

Ion Ratio Lower Upper

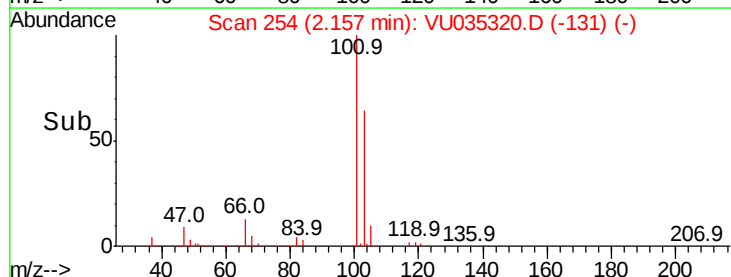
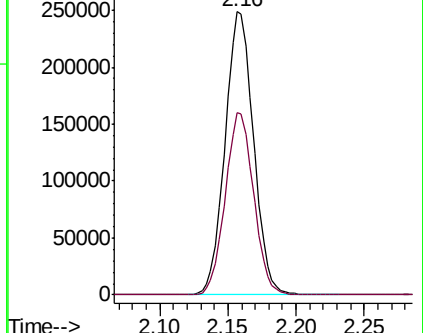
101 100

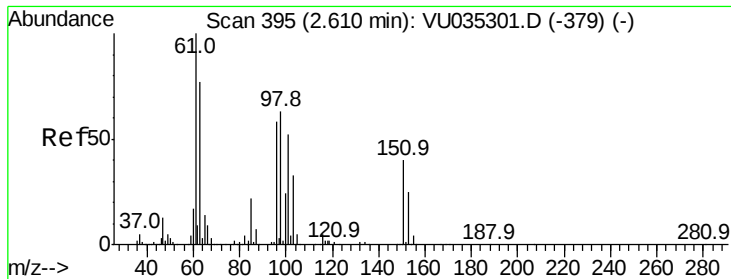
103 64.3 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU035320.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU035320.D (-243) (-)





#10

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

Concen: 48.037 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

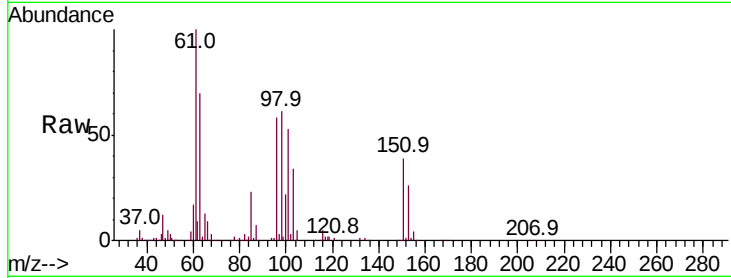
Tot Ion:101 Resp: 209613

Ion Ratio Lower Upper

101 100

85 42.5 33.7 50.5

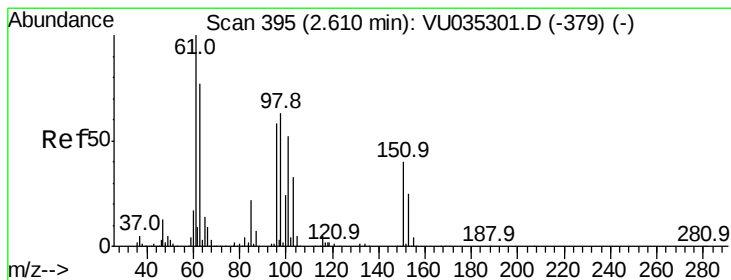
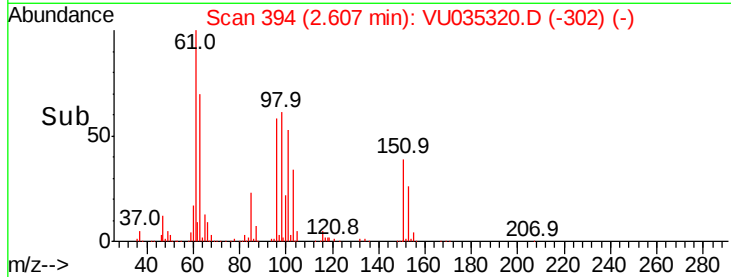
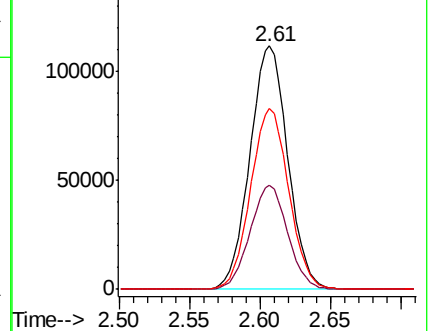
151 74.7 60.3 90.5



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: 47.945 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

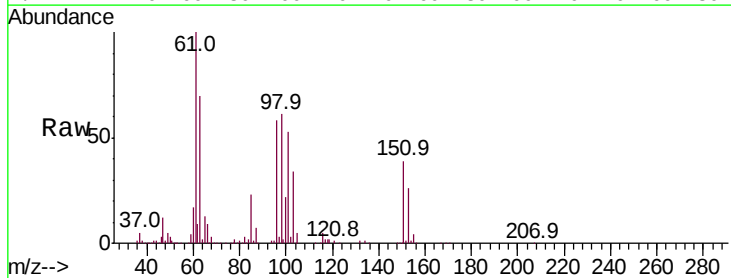
Tgt Ion: 96 Resp: 203071

Ion Ratio Lower Upper

96 100

61 171.6 121.1 224.9

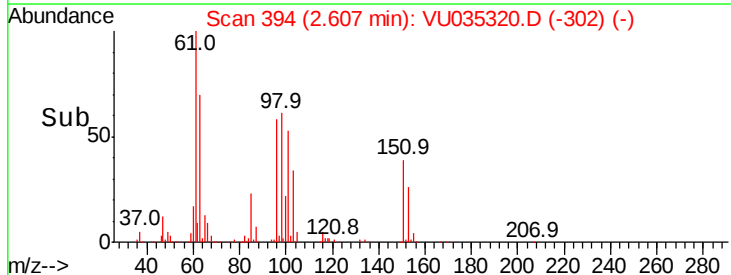
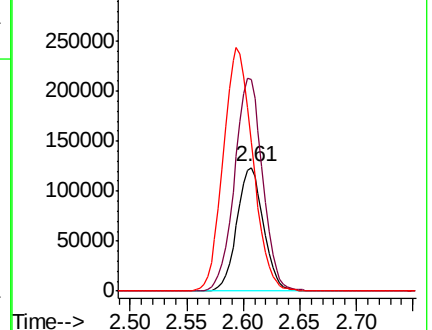
63 120.6 93.9 174.3

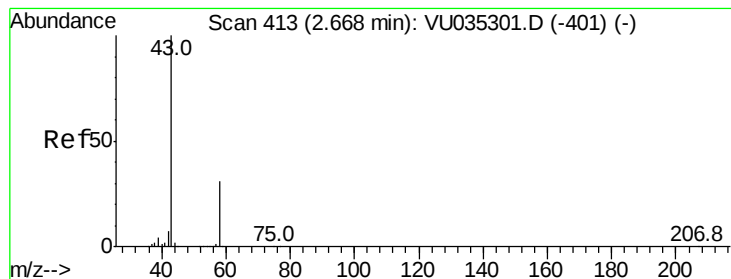


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 102.059 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

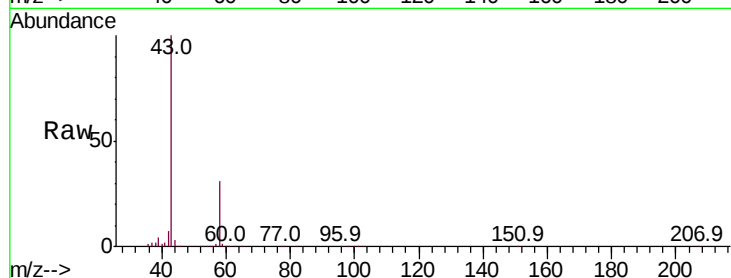
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 358447

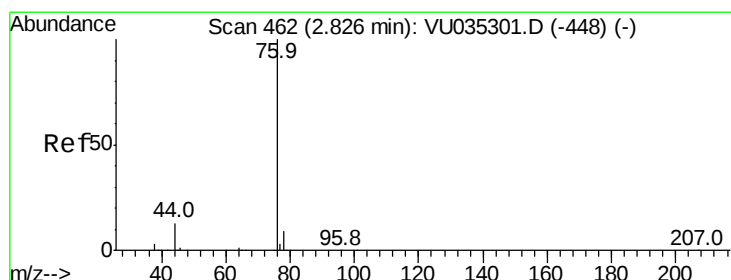
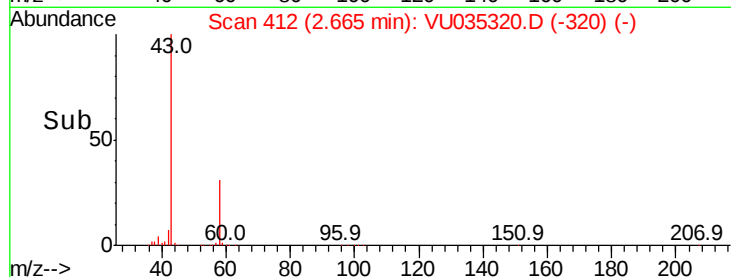
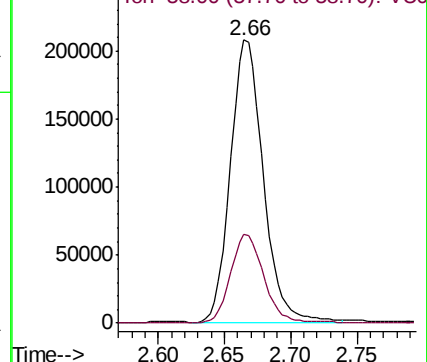
Ion Ratio Lower Upper

43 100

58 31.8 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU035320.D (-320) (-)



#14

Carbon disulfide

Concen: 46.574 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035320.D

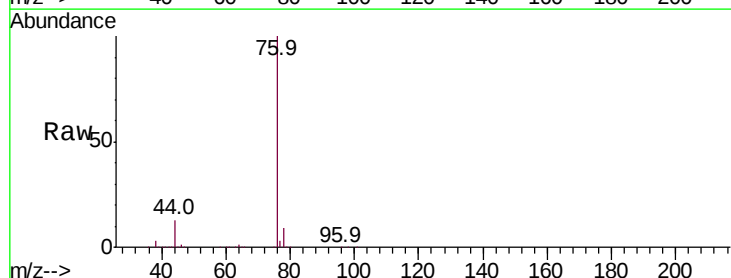
Acq: 21 Oct 2019 10:39

Tgt Ion: 76 Resp: 621373

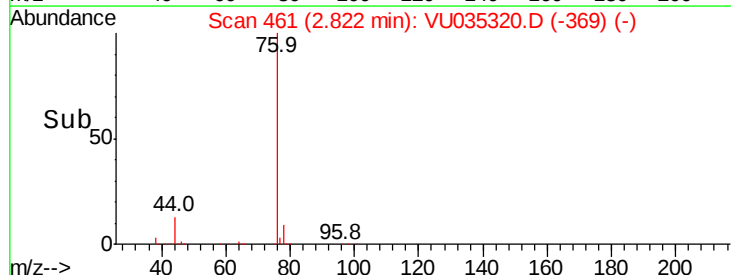
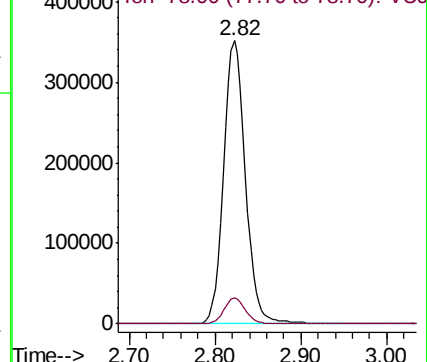
Ion Ratio Lower Upper

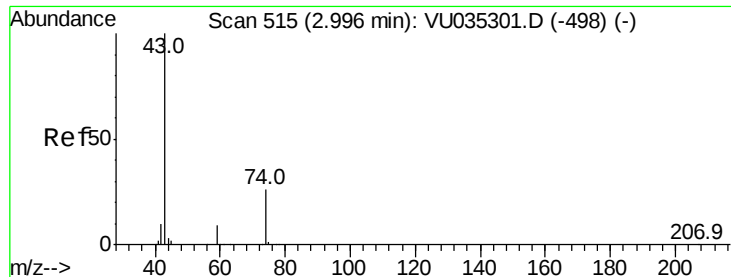
76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU035320.D (-369) (-)

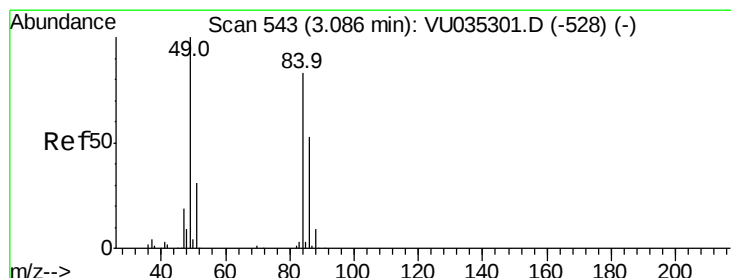
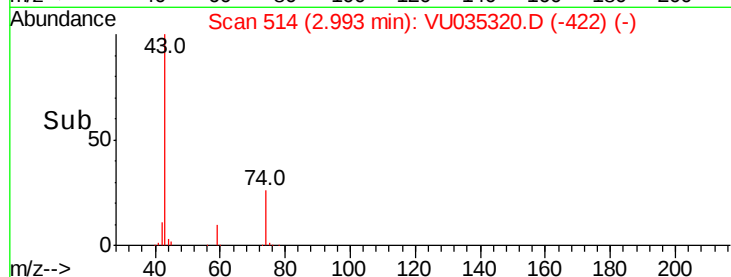
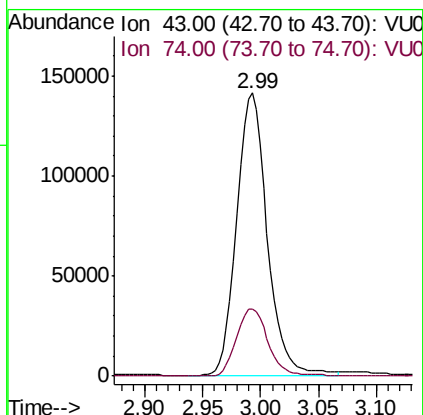
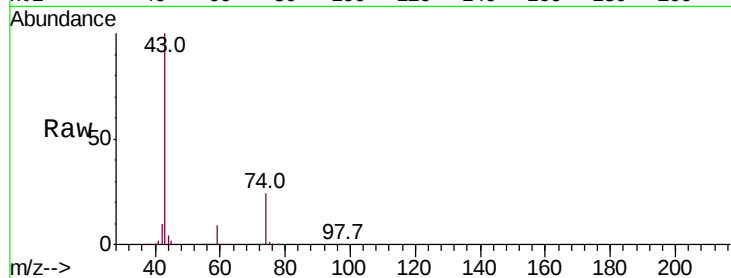




#15
Methvl Acetate
Concen: 49.547 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU035320.D
Acq: 21 Oct 2019 10:39

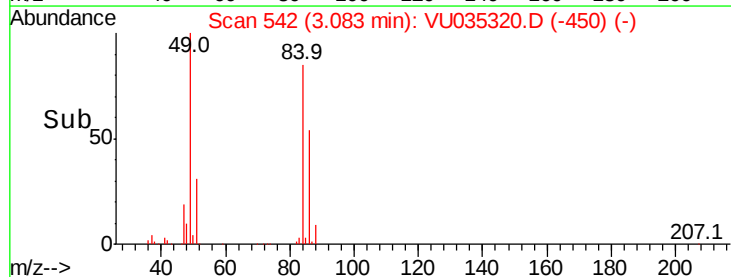
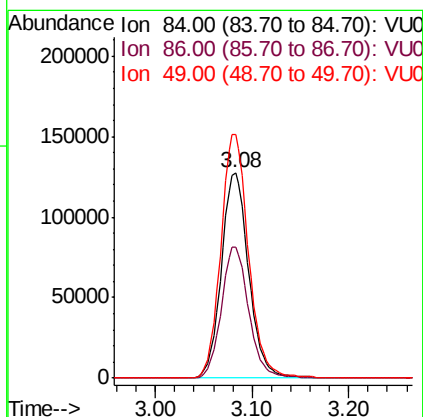
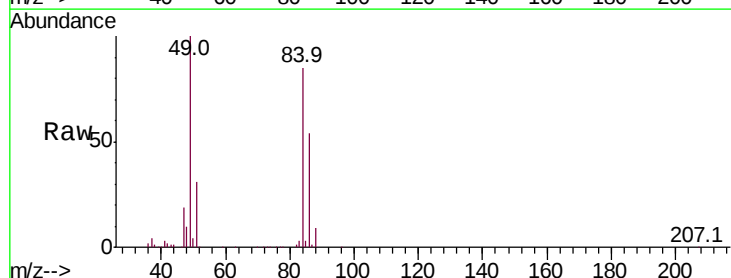
Instrument :
MSVOA_U
ClientSampleId :

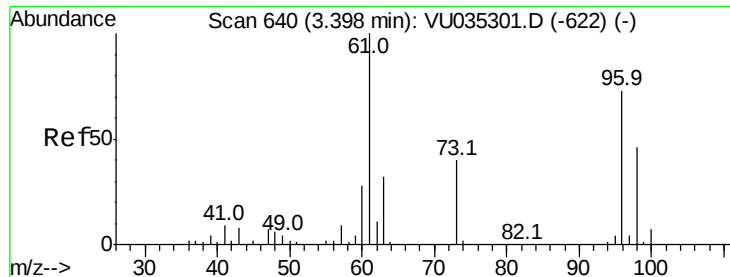
Tot Ion: 43 Resp: 257213
Ion Ratio Lower Upper
43 100
74 24.6 20.3 30.5



#16
Methylene chloride
Concen: 49.849 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035320.D
Acq: 21 Oct 2019 10:39

Tgt Ion: 84 Resp: 250354
Ion Ratio Lower Upper
84 100
86 63.9 44.4 82.5
49 118.3 84.0 156.0

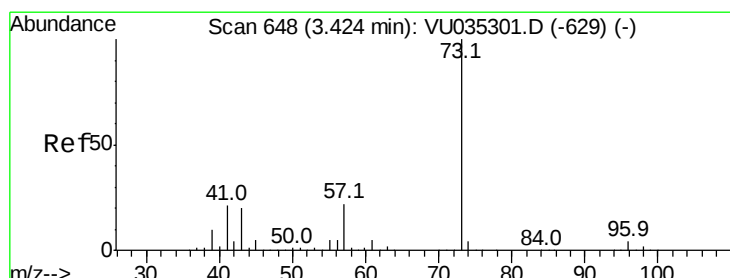
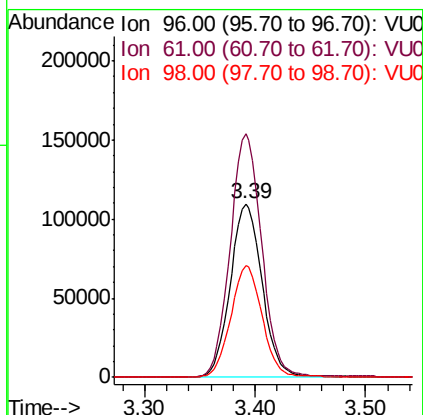
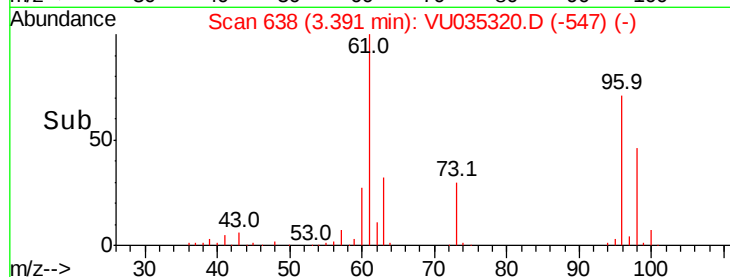
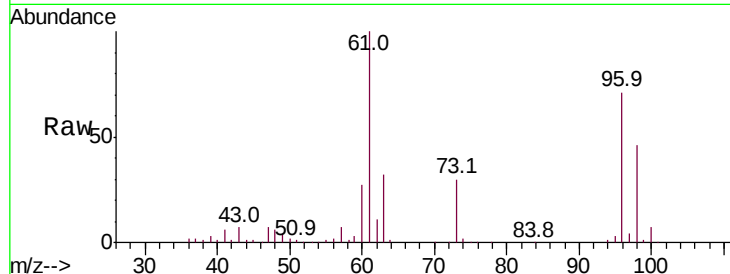




#17
 trans-1,2-Dichloroethene
 Concen: 48.480 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: VU035320.D
 Acq: 21 Oct 2019 10:39

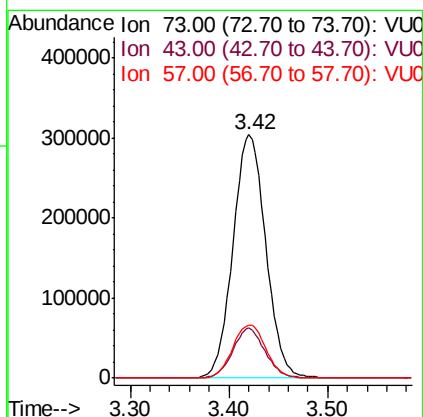
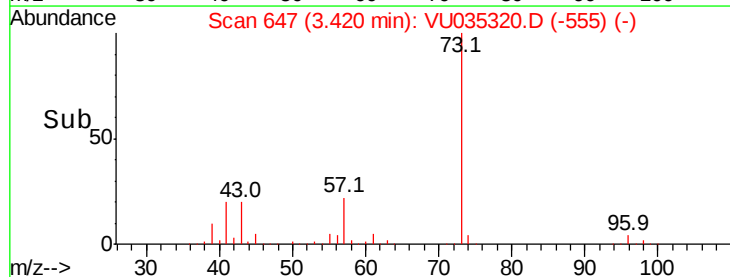
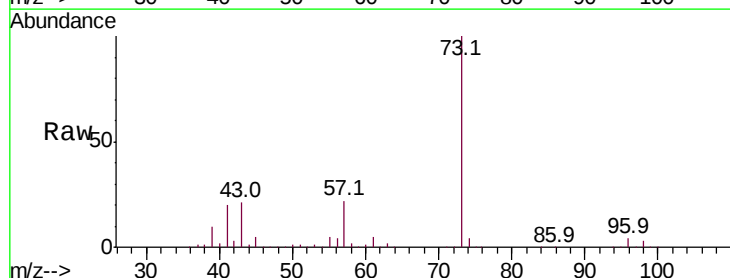
Instrument :
 MSVOA_U
 ClientSampleId :

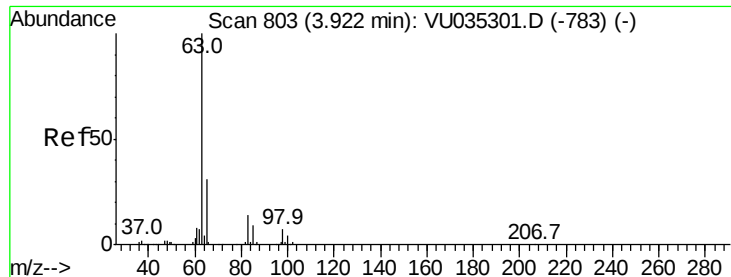
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	95.8	178.0
98	64.7	44.4	82.4



#18
 Methyl tert-butyl Ether
 Concen: 48.746 ug/L
 RT: 3.42 min Scan# 647
 Delta R.T. -0.00 min
 Lab File: VU035320.D
 Acq: 21 Oct 2019 10:39

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.8	16.0	24.0
57	22.2	17.6	26.4





#19

1,1-Dichloroethane

Concen: 48.067 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

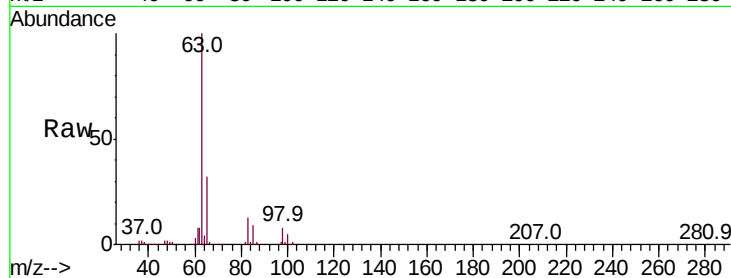
Tot Ion: 63 Resp: 415369

Ion Ratio Lower Upper

63 100

65 32.0 21.6 40.0

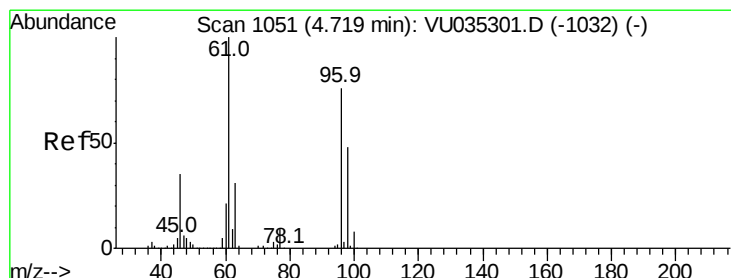
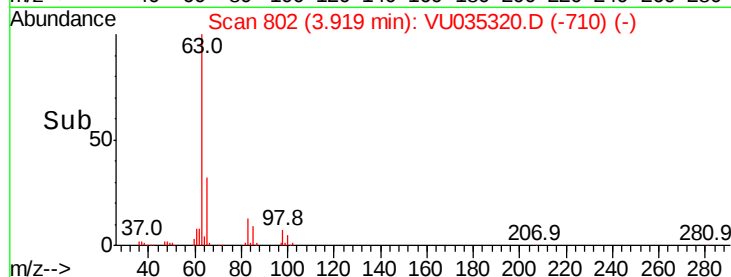
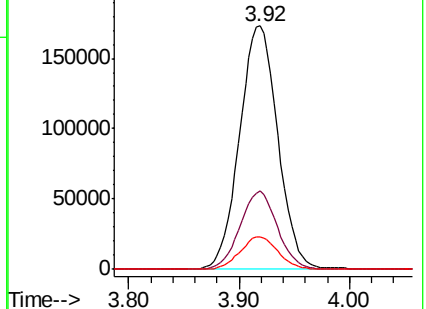
83 13.4 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 48.697 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

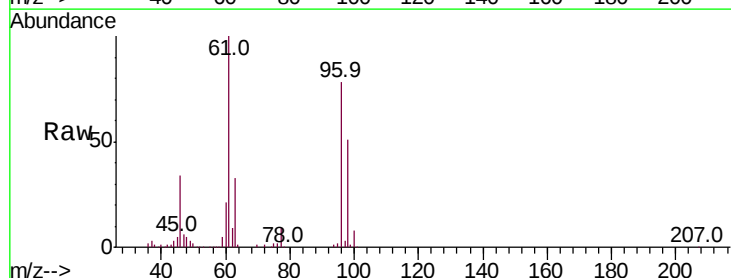
Tgt Ion: 96 Resp: 250779

Ion Ratio Lower Upper

96 100

61 127.8 92.7 172.3

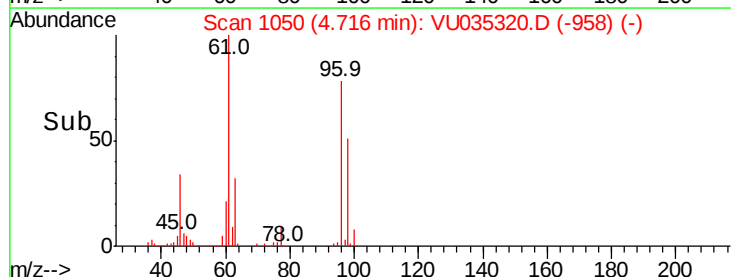
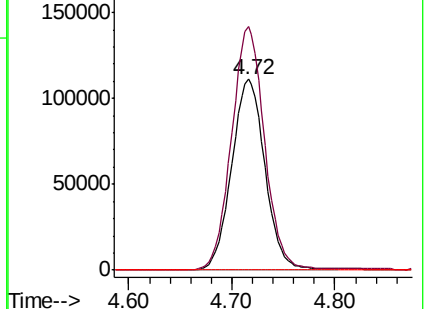
68 0.0 0.0 0.0

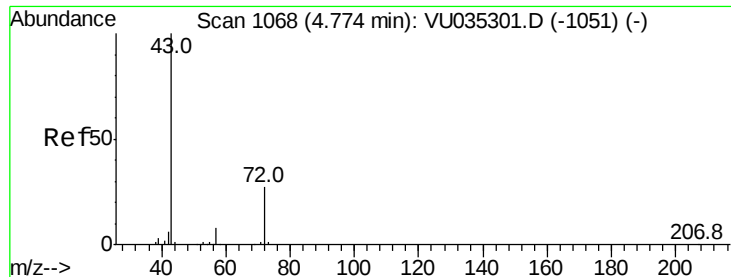


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 102.198 ug/L

RT: 4.77 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Instrument :

MSVOA_U

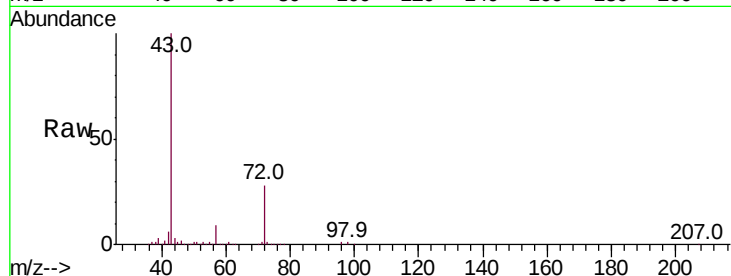
ClientSampleId :

Tot Ion: 43 Resp: 434290

Ion Ratio Lower Upper

43 100

72 26.6 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU035320.D (-975) (-)

Ion 72.00 (71.70 to 72.70): VU035320.D (-975) (-)

4.77

200000

150000

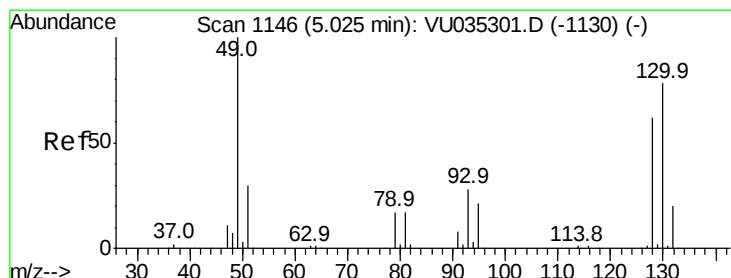
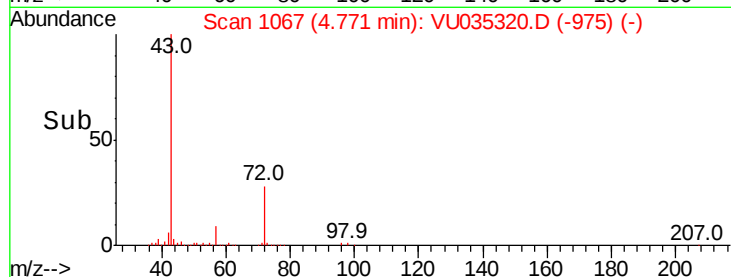
100000

50000

0

4.70 4.80 4.90

Time-->



#23

Bromochloromethane

Concen: 46.983 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Tgt Ion:128 Resp: 121350

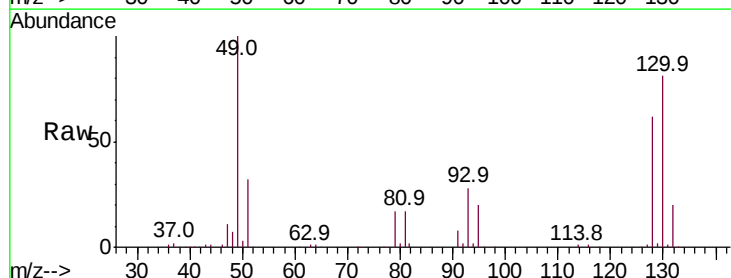
Ion Ratio Lower Upper

128 100

49 161.4 112.7 209.3

130 130.0 87.8 163.0

51 52.4 39.0 58.4



Abundance Ion 128.00 (127.70 to 128.70): VU035320.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU035320.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU035320.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU035320.D (-1053) (-)

5.02

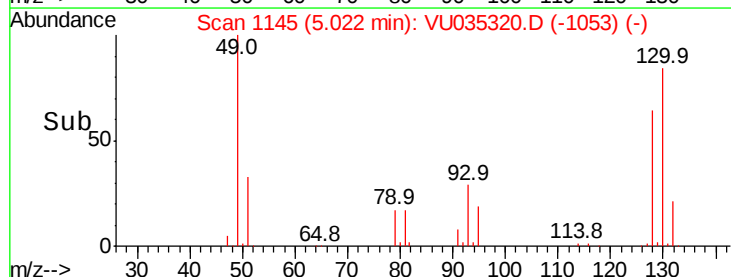
100000

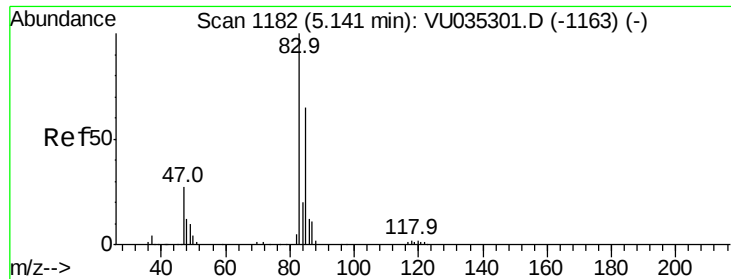
50000

0

4.95 5.00 5.05 5.10

Time-->





#25

Chloroform

Concen: 47.557 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Instrument :

MSVOA_U

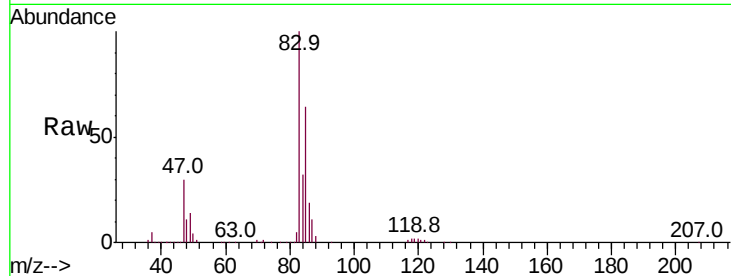
ClientSampled :

Tot Ion: 83 Resp: 424168

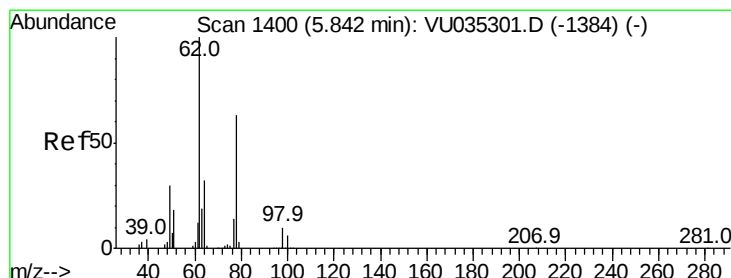
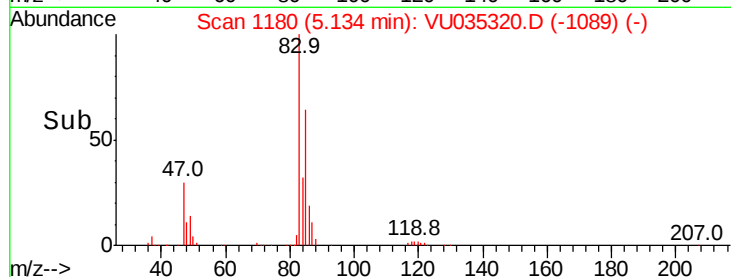
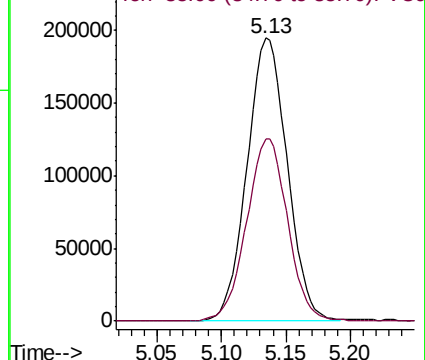
Ion Ratio Lower Upper

83 100

85 64.2 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VU035320.D (-1163) (-)



#27

1,2-Dichloroethane

Concen: 47.897 ug/L

RT: 5.84 min Scan# 1399

Delta R.T. -0.00 min

Lab File: VU035320.D

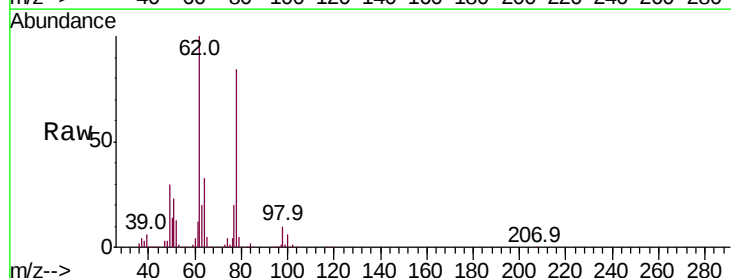
Acq: 21 Oct 2019 10:39

Tgt Ion: 62 Resp: 330988

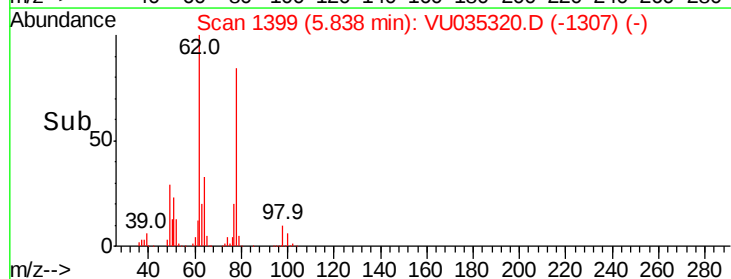
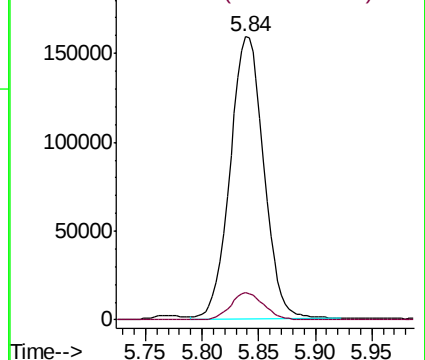
Ion Ratio Lower Upper

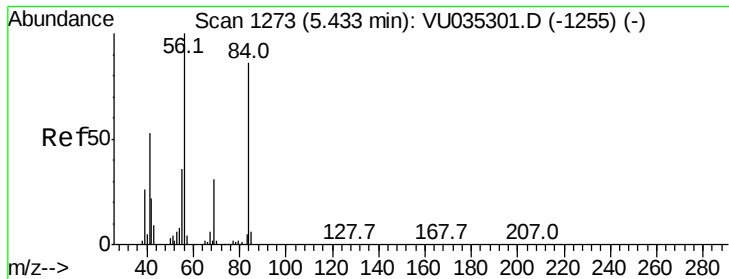
62 100

98 9.6 7.8 11.6



Abundance Ion 62.00 (61.70 to 62.70): VU035320.D (-1384) (-)

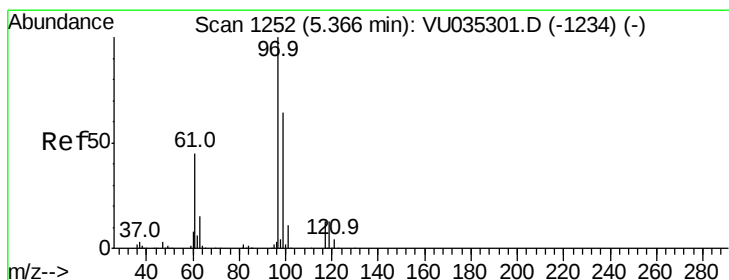
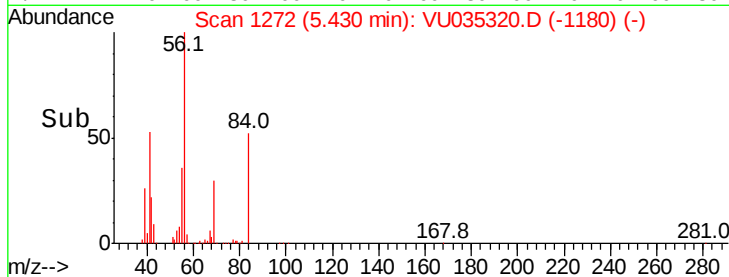
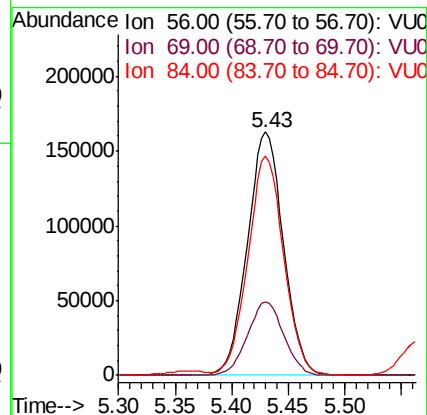
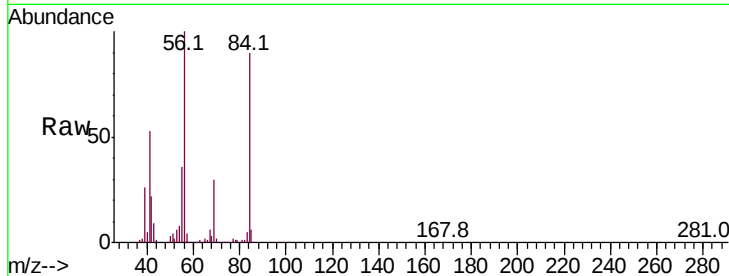




#29
Cyclohexane
Concen: 48.568 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU035320.D
Acq: 21 Oct 2019 10:39

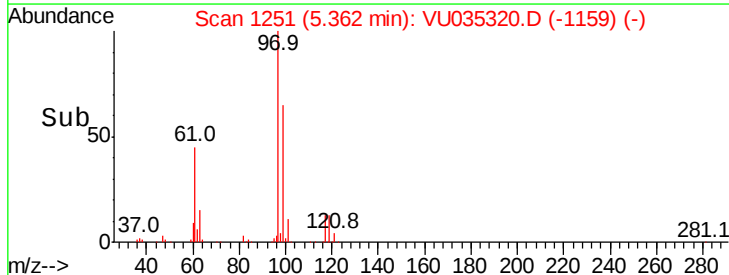
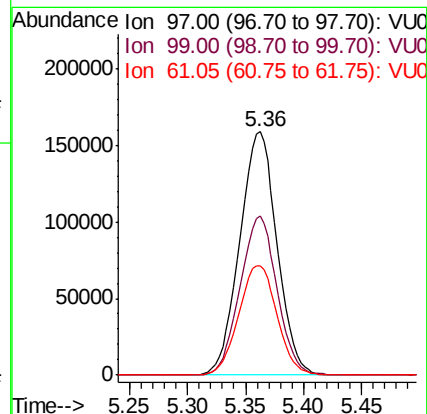
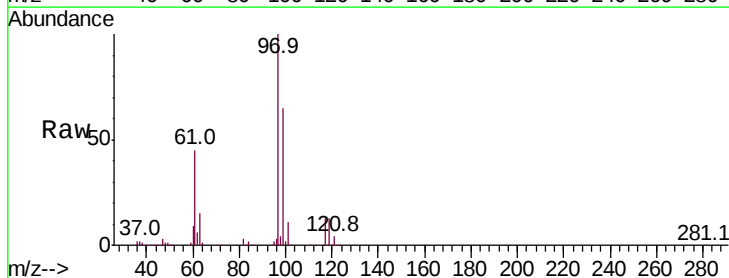
Instrument :
MSVOA_U
ClientSampleId :

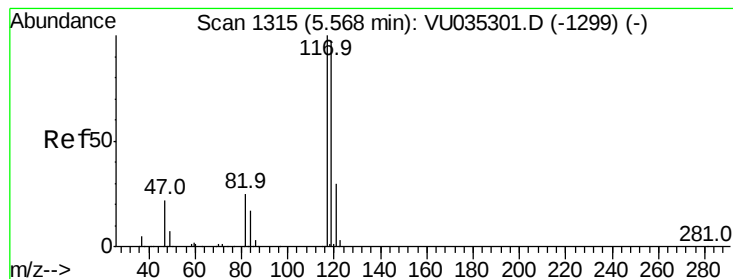
Tot Ion: 56 Resp: 360244
Ion Ratio Lower Upper
56 100
69 30.5 24.2 36.4
84 89.2 71.1 106.7



#30
1,1,1-Trichloroethane
Concen: 48.858 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU035320.D
Acq: 21 Oct 2019 10:39

Tgt Ion: 97 Resp: 354759
Ion Ratio Lower Upper
97 100
99 65.0 51.3 76.9
61 46.0 36.6 54.8





#31

Carbon tetrachloride

Concen: 49.613 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Instrument :

MSVOA_U

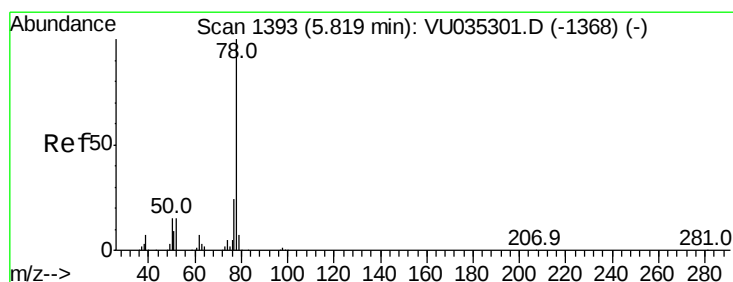
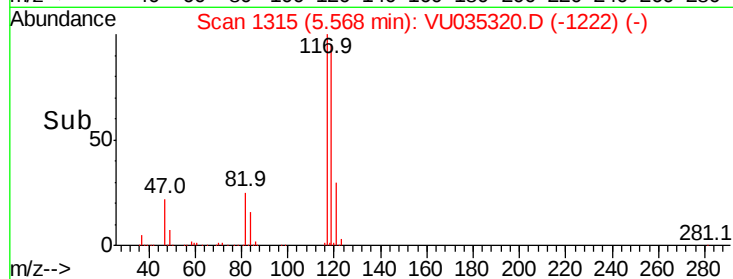
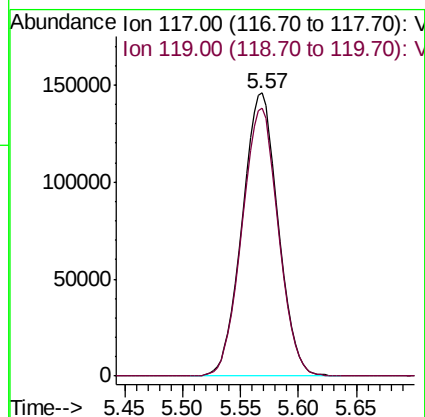
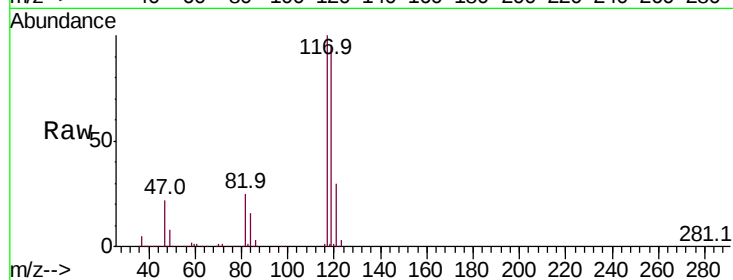
ClientSampleId :

Tot Ion:117 Resp: 315150

Ion Ratio Lower Upper

117 100

119 95.7 77.7 116.5



#33

Benzene

Concen: 49.413 ug/L

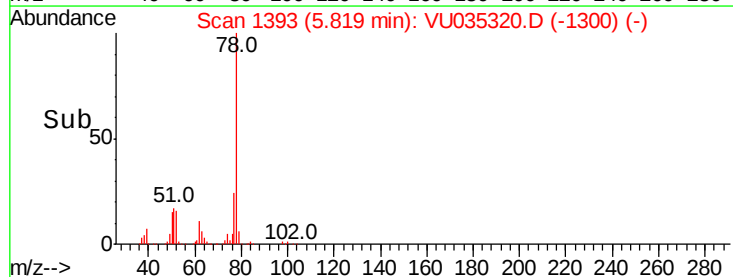
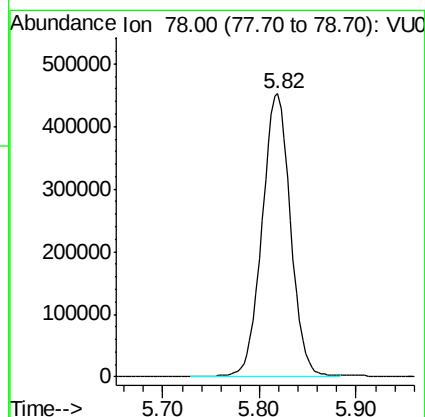
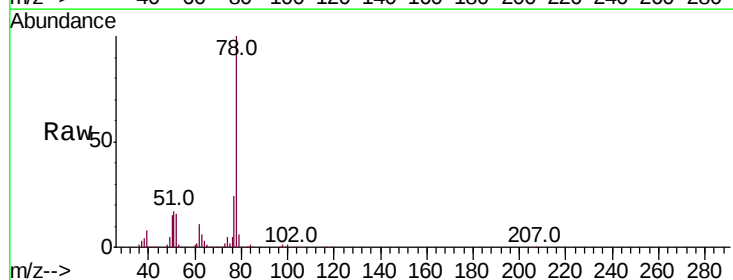
RT: 5.82 min Scan# 1393

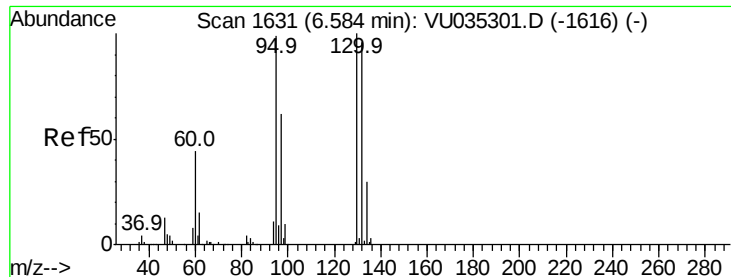
Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Tgt Ion: 78 Resp: 926731





#34

Trichloroethene

Concen: 48.375 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 233773

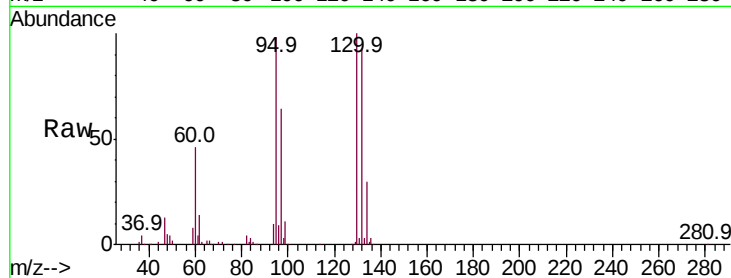
Ion Ratio Lower Upper

95 100

97 65.0 44.2 82.2

132 95.6 67.8 125.8

130 102.3 70.9 131.7

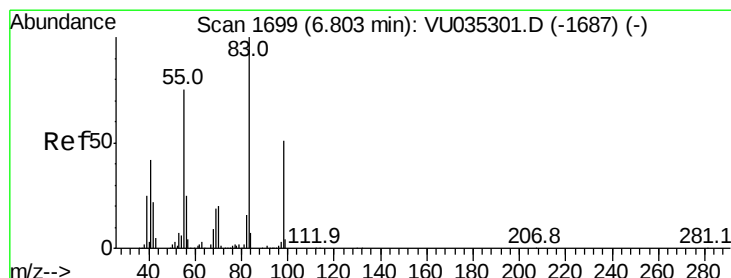
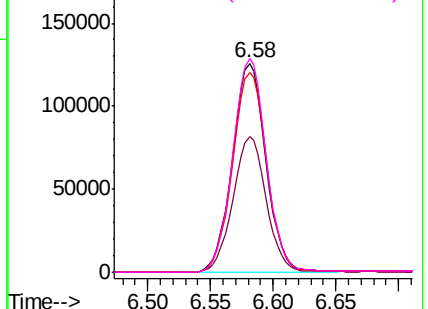
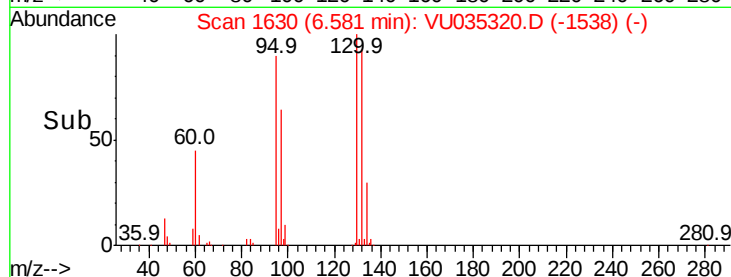


Abundance Ion 95.00 (94.70 to 95.70): VU035320.D (-1630) (-)

Ion 97.00 (96.70 to 97.70): VU035320.D (-1630) (-)

Ion 132.00 (131.70 to 132.70): VU035320.D (-1630) (-)

Ion 130.00 (129.70 to 130.70): VU035320.D (-1630) (-)



#35

Methylcyclohexane

Concen: 48.335 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

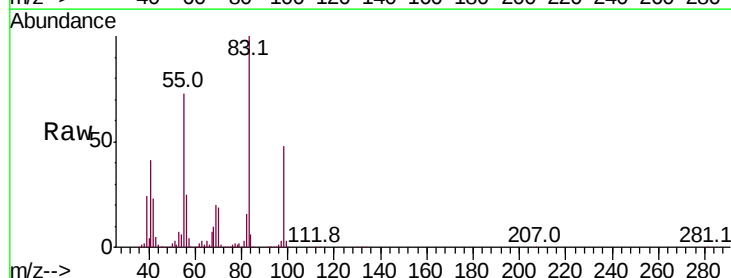
Tgt Ion: 83 Resp: 361139

Ion Ratio Lower Upper

83 100

55 75.2 59.5 89.3

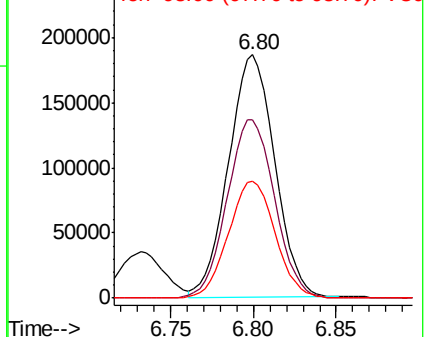
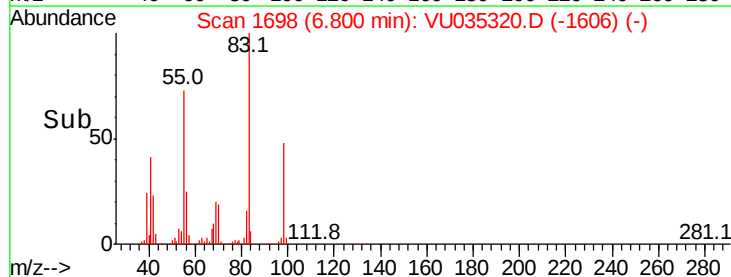
98 48.5 39.9 59.9

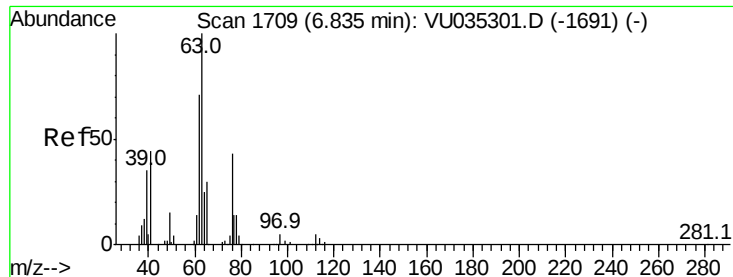


Abundance Ion 83.00 (82.70 to 83.70): VU035320.D (-1698) (-)

Ion 55.00 (54.70 to 55.70): VU035320.D (-1698) (-)

Ion 98.00 (97.70 to 98.70): VU035320.D (-1698) (-)





#37

1,2-Dichloropropane

Concen: 49.284 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Instrument :

MSVOA_U

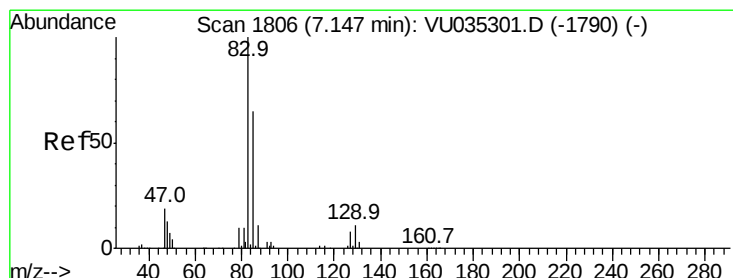
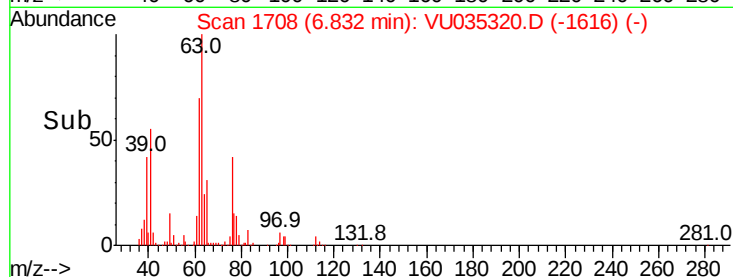
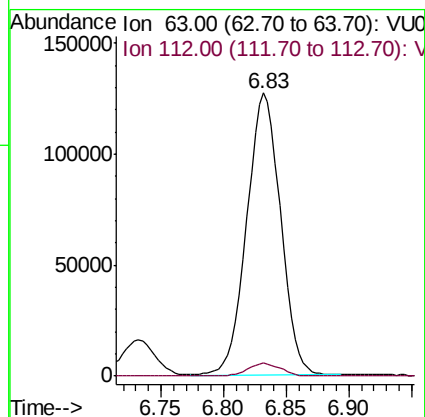
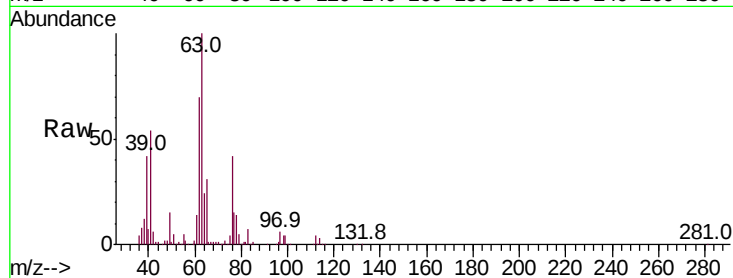
ClientSampled :

Tot Ion: 63 Resp: 239357

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



#38

Bromodichloromethane

Concen: 49.145 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

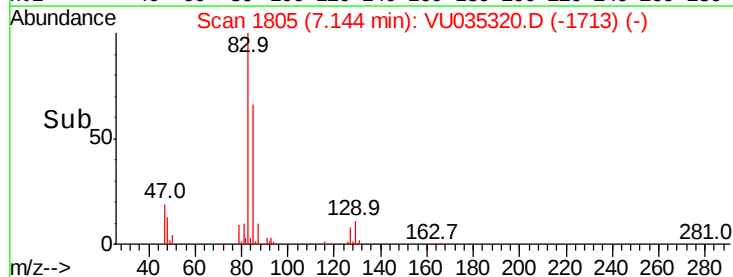
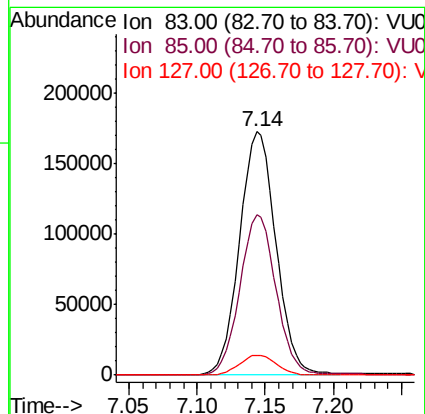
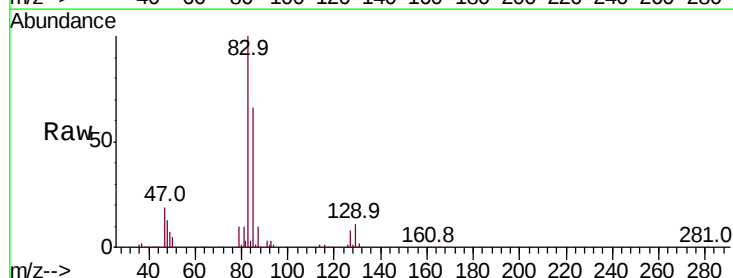
Tgt Ion: 83 Resp: 319313

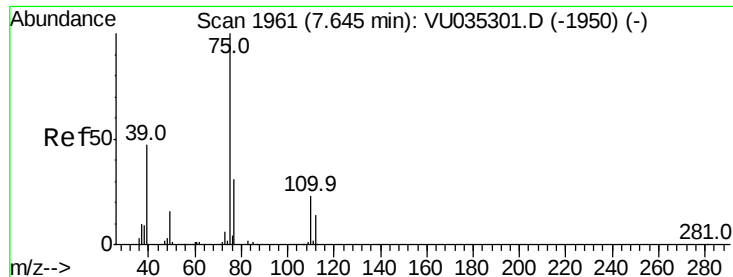
Ion Ratio Lower Upper

83 100

85 66.0 45.3 84.1

127 8.2 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 51.664 ug/L

RT: 7.65 min Scan# 1961

Delta R.T. -0.00 min

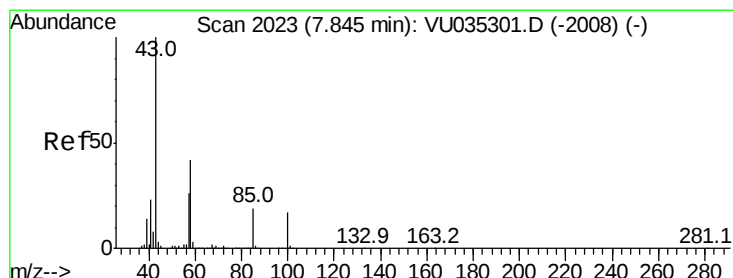
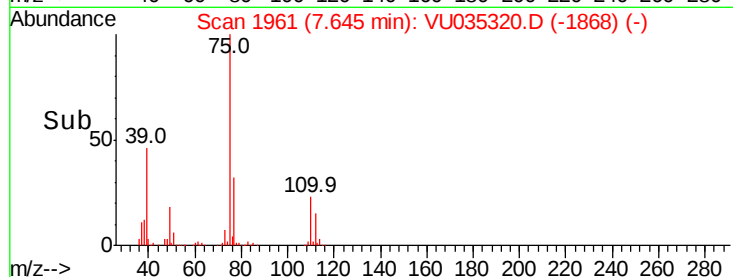
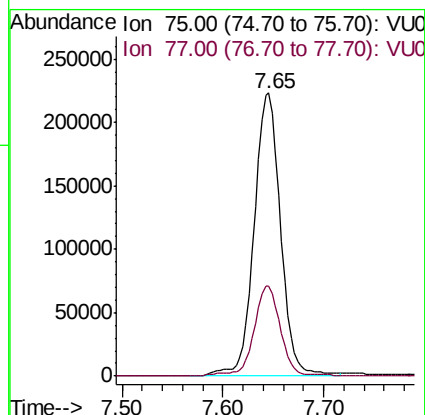
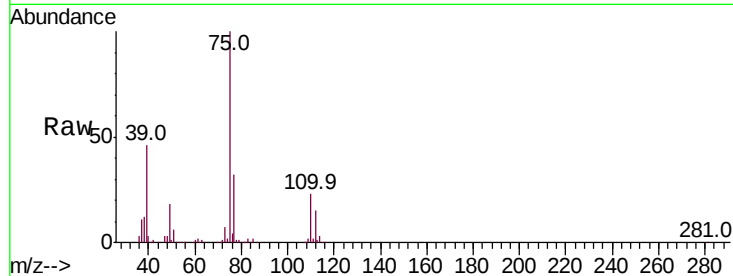
Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 405472

Ion	Ratio	Lower	Upper
75	100		
77	31.6	22.3	41.5



#40

4-Methyl-2-pentanone

Concen: 98.174 ug/L

RT: 7.84 min Scan# 2022

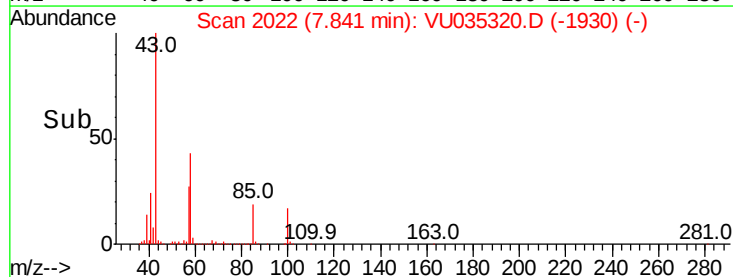
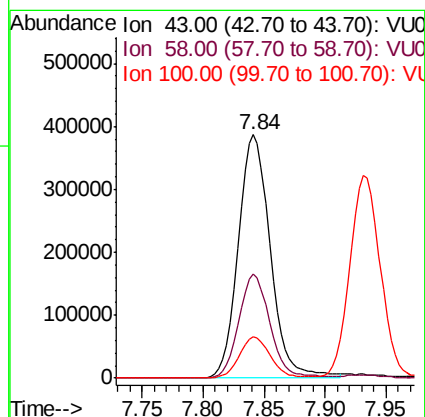
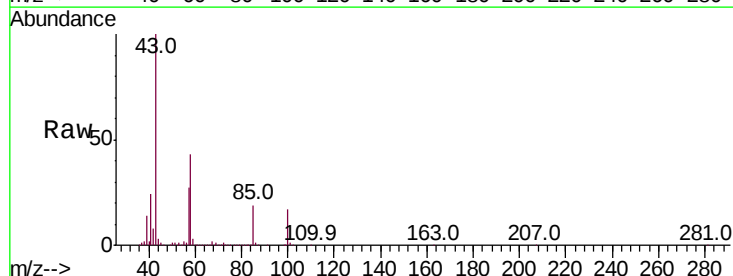
Delta R.T. -0.00 min

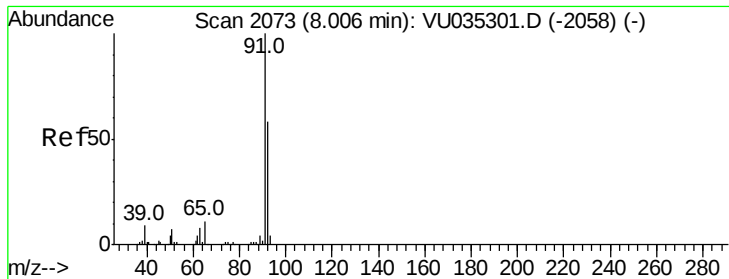
Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Tgt Ion: 43 Resp: 704436

Ion	Ratio	Lower	Upper
43	100		
58	41.5	33.1	49.7
100	16.3	13.2	19.8





#42

Toluene

Concen: 49.057 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Instrument :

MSVOA_U

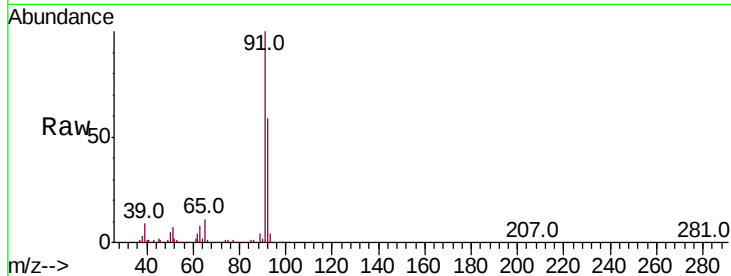
ClientSampleId :

Tot Ion: 91 Resp: 1007124

Ion Ratio Lower Upper

91 100

92 58.6 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU035320.D (-1980) (-)

Ion 92.00 (91.70 to 92.70): VU035320.D (-1980) (-)

8.00

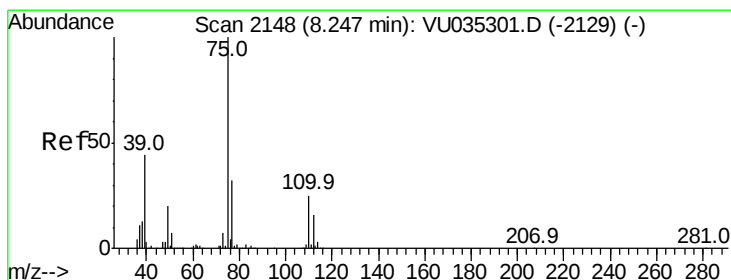
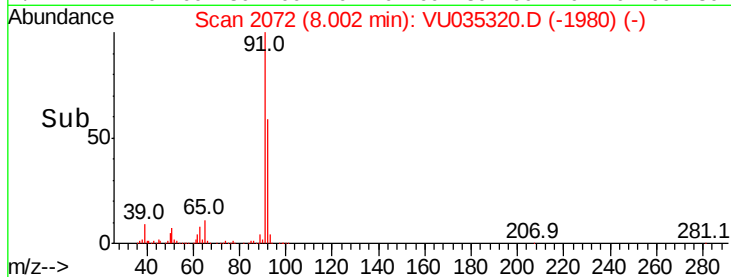
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.058 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035320.D

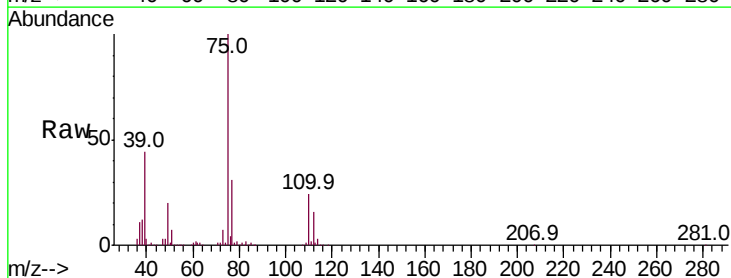
Acq: 21 Oct 2019 10:39

Tgt Ion: 75 Resp: 367109

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VU035320.D (-2055) (-)

Ion 77.00 (76.70 to 77.70): VU035320.D (-2055) (-)

8.25

200000

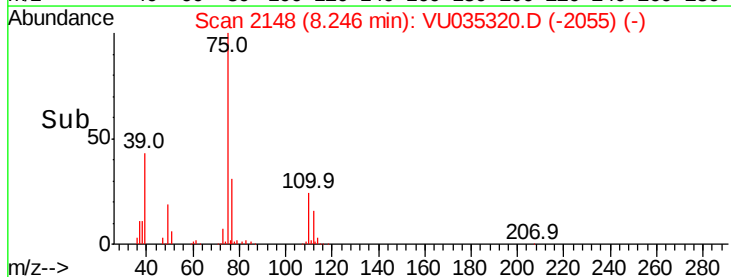
150000

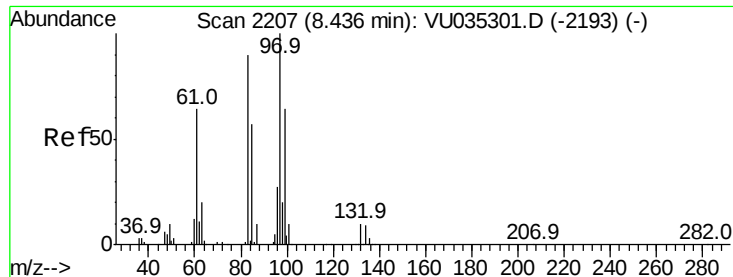
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 48.418 ug/L

RT: 8.44 min Scan# 2207

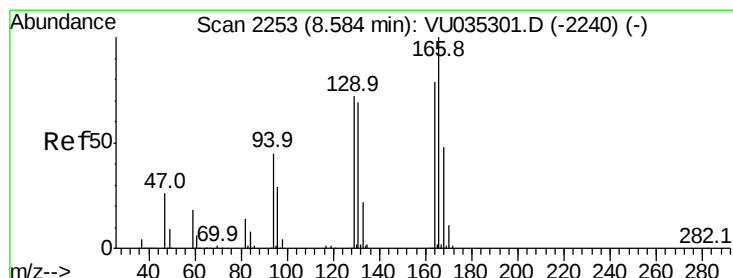
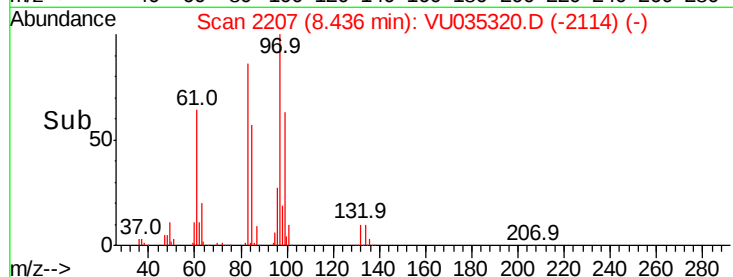
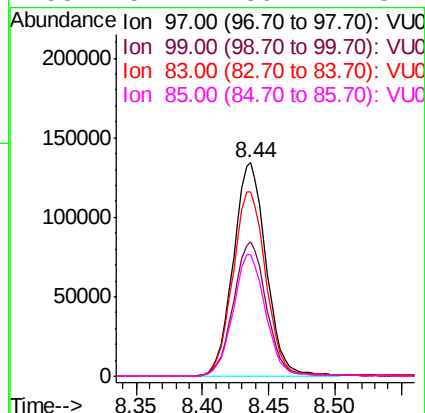
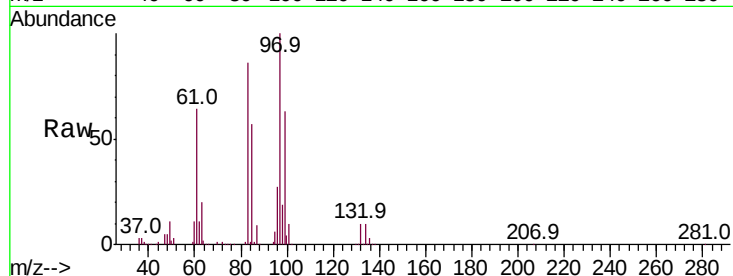
Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	231790
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.5	82.7
83	86.5	63.0	117.0
85	57.1	39.7	73.7



#46

Tetrachloroethene

Concen: 48.820 ug/L

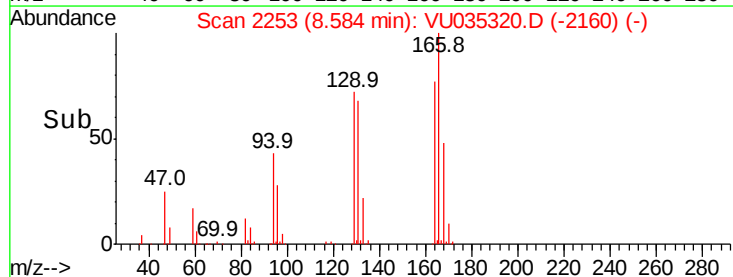
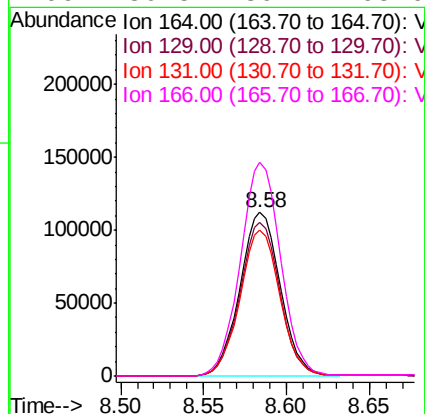
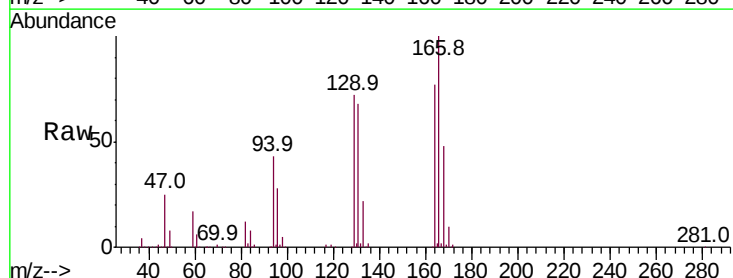
RT: 8.58 min Scan# 2253

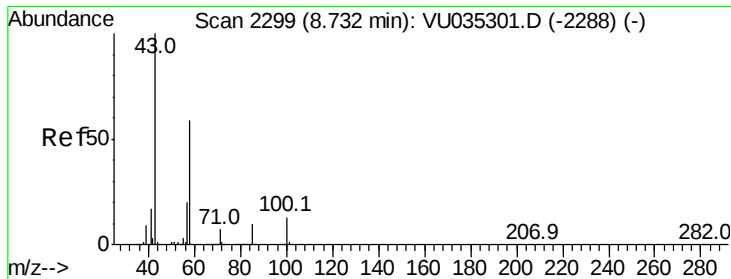
Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Tgt Ion:	164	Resp:	190589
Ion	Ratio	Lower	Upper
164	100		
129	94.0	64.0	119.0
131	89.2	61.8	114.8
166	130.5	89.2	165.6

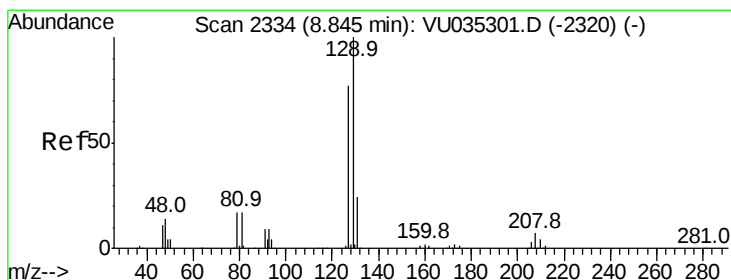
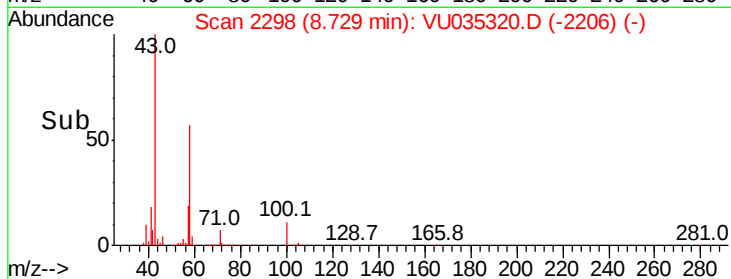
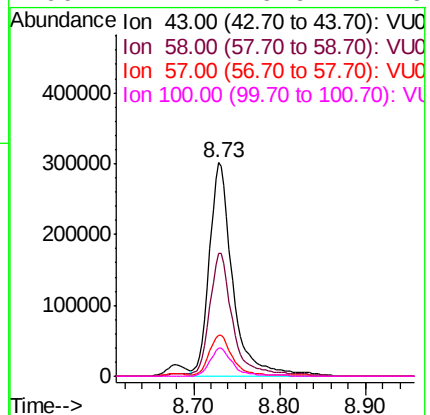
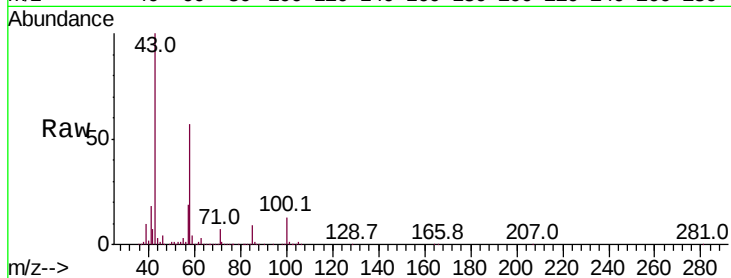




#48
2-Hexanone
Concen: 94.224 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VU035320.D
Acq: 21 Oct 2019 10:39

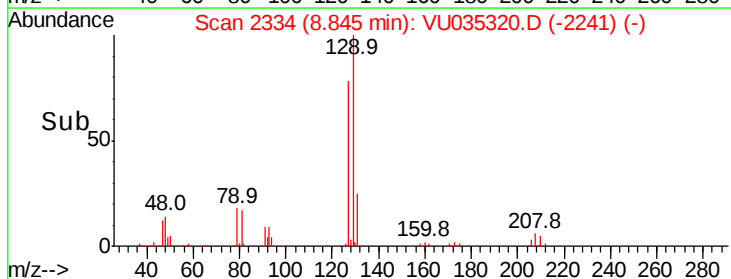
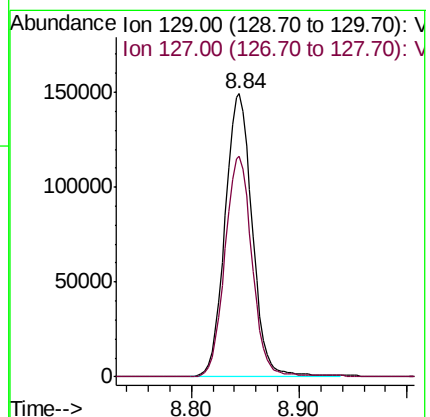
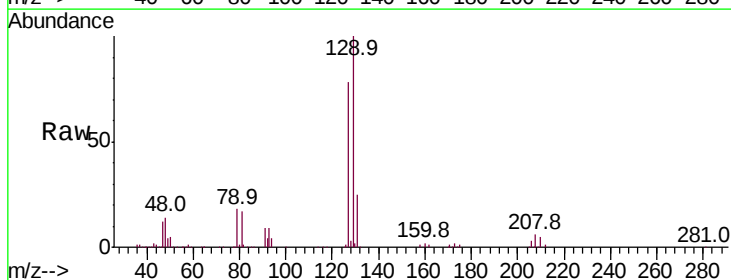
Instrument :
MSVOA_U
ClientSampleId :

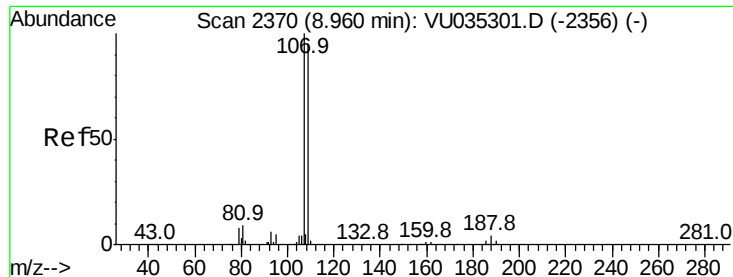
Tot Ion: 43 Resp: 575085
Ion Ratio Lower Upper
43 100
58 57.7 42.7 64.1
57 18.0 14.8 22.2
100 12.7 9.9 14.9



#49
Dibromochloromethane
Concen: 49.260 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035320.D
Acq: 21 Oct 2019 10:39

Tgt Ion: 129 Resp: 263172
Ion Ratio Lower Upper
129 100
127 78.0 54.0 100.4





#50

1,2-Dibromoethane

Concen: 48.285 ug/L

RT: 8.96 min Scan# 2369

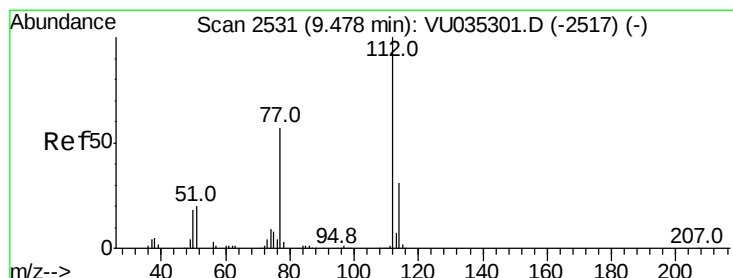
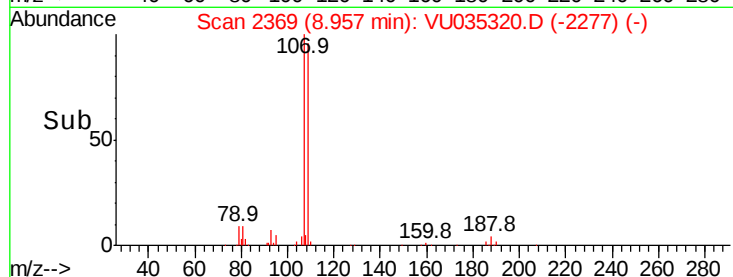
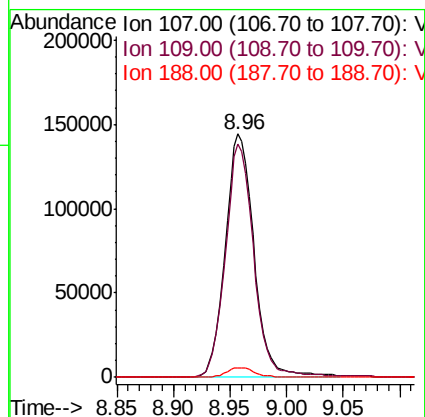
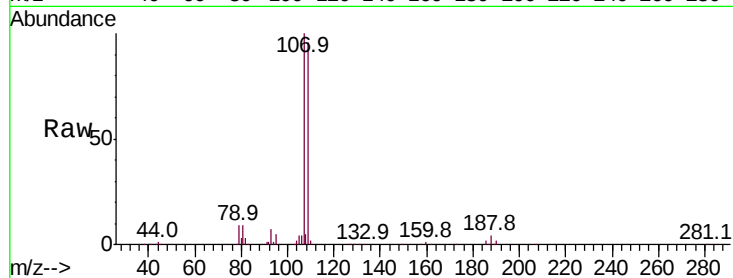
Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	107	Resp:	255723
Ion	Ratio	Lower	Upper
107	100		
109	95.7	66.8	124.2
188	3.9	3.4	5.2



#51

Chlorobenzene

Concen: 48.172 ug/L

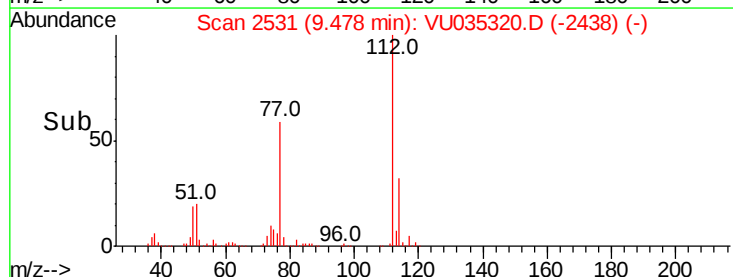
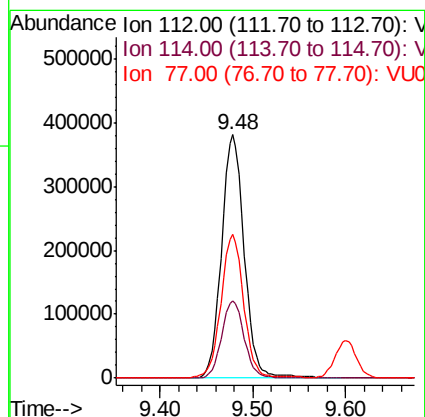
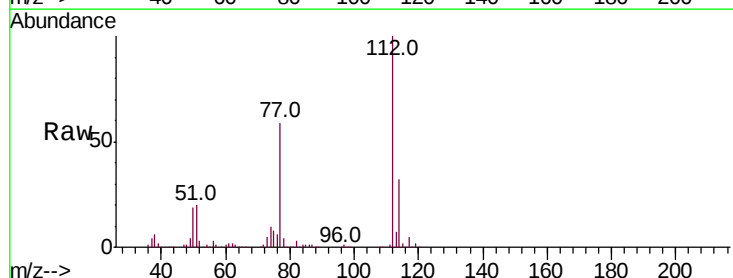
RT: 9.48 min Scan# 2531

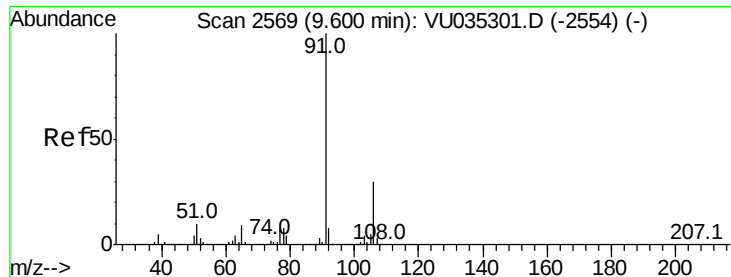
Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Tgt Ion:	112	Resp:	644997
Ion	Ratio	Lower	Upper
112	100		
114	31.9	21.9	40.7
77	59.2	46.2	69.2





#52

Ethylbenzene

Concen: 48.845 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

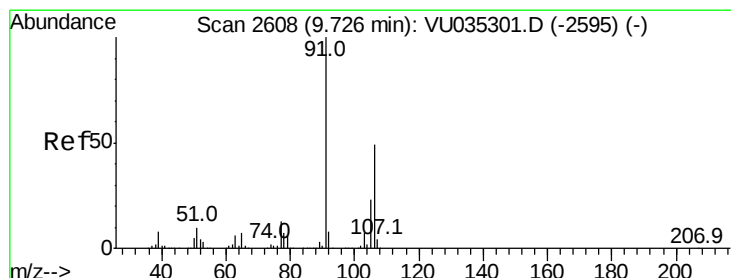
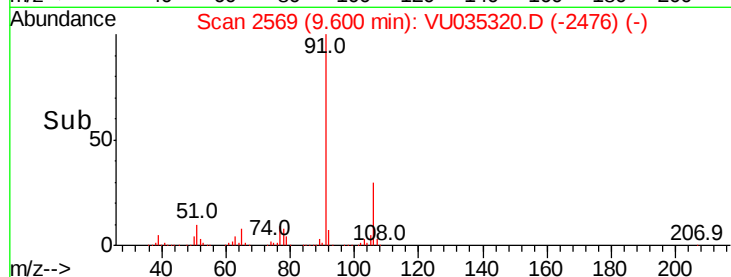
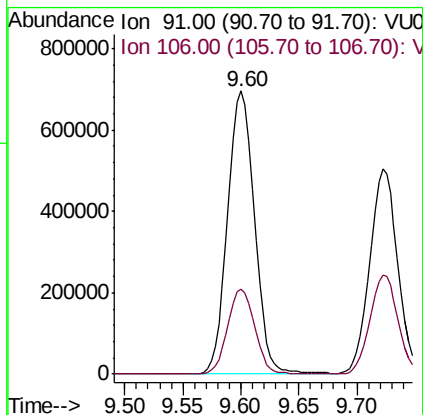
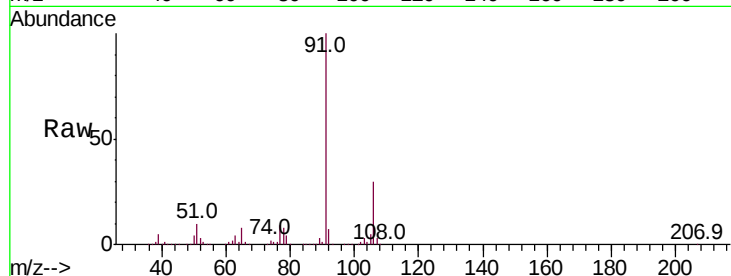
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 1117676

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



#53

m,p-Xylene

Concen: 49.411 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035320.D

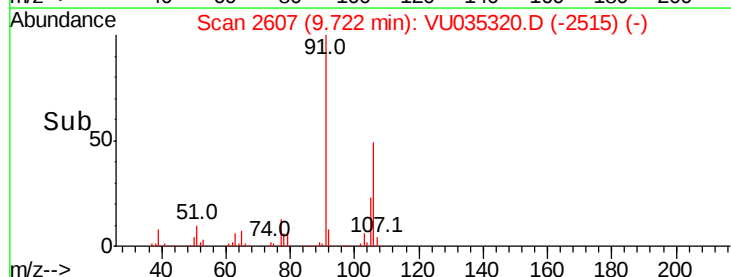
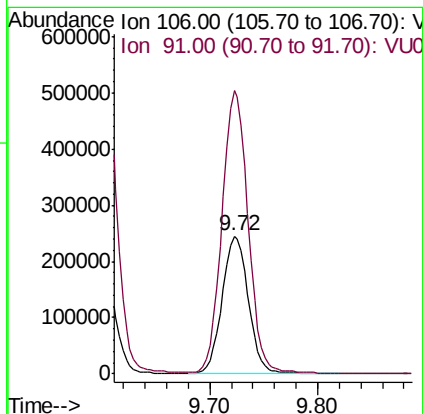
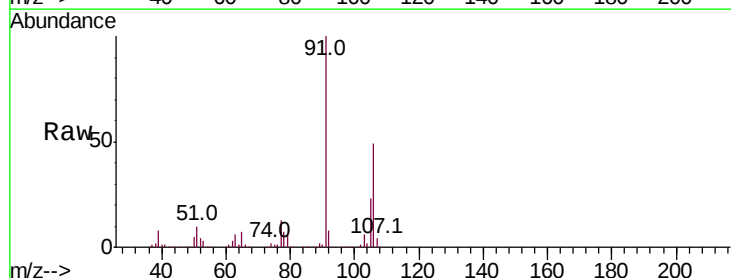
Acq: 21 Oct 2019 10:39

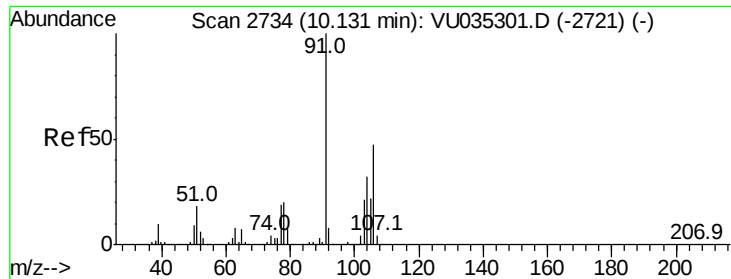
Tgt Ion: 106 Resp: 416771

Ion Ratio Lower Upper

106 100

91 205.9 141.5 262.9

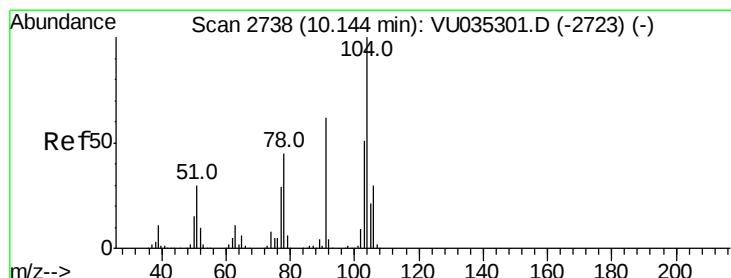
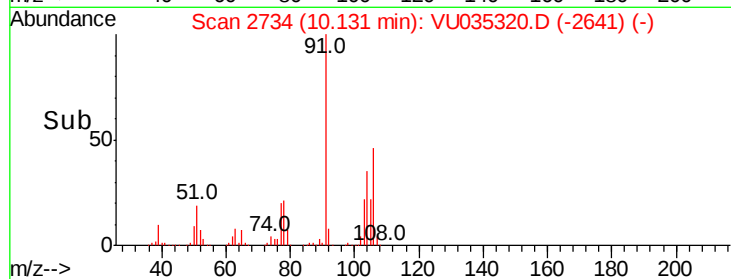
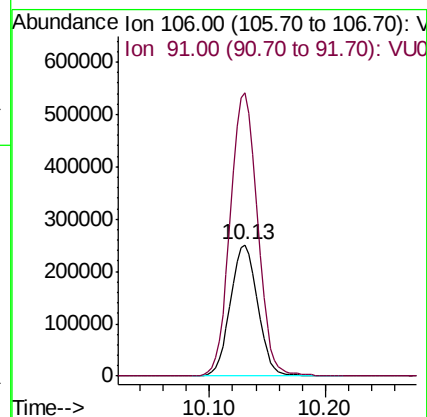
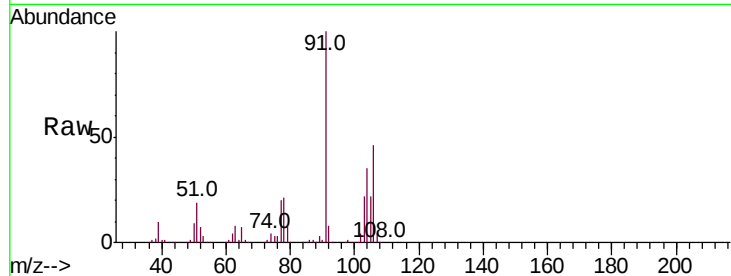




#54
o-xylene
Concen: 48.922 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035320.D
Acq: 21 Oct 2019 10:39

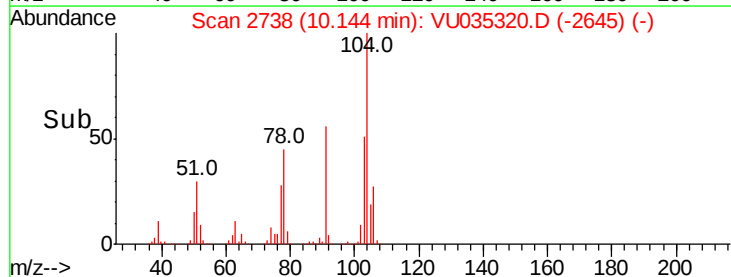
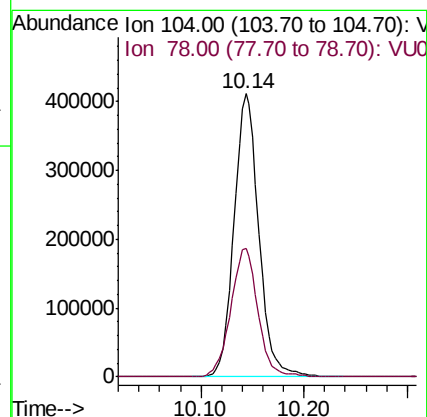
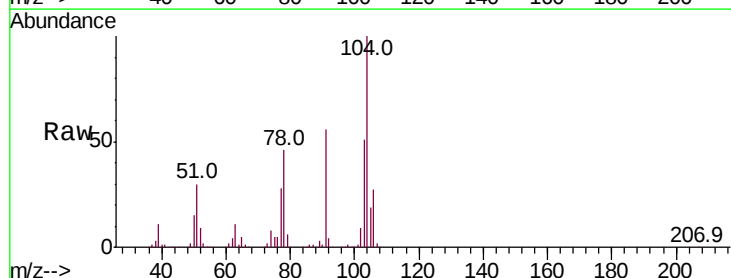
Instrument :
MSVOA_U
ClientSampleId :

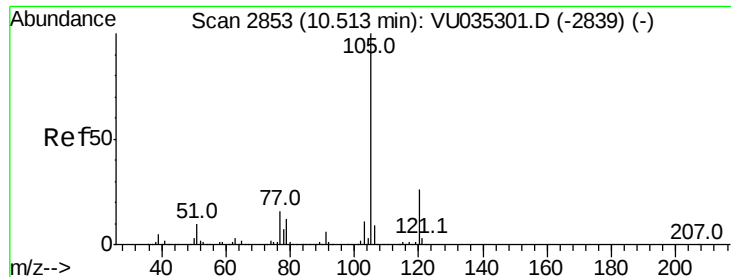
Tot Ion:106 Resp: 409300
Ion Ratio Lower Upper
106 100
91 215.6 150.6 279.8



#55
Styrene
Concen: 50.563 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035320.D
Acq: 21 Oct 2019 10:39

Tgt Ion:104 Resp: 688933
Ion Ratio Lower Upper
104 100
78 45.5 31.5 58.5





#56

Isopropylbenzene

Concen: 48.341 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

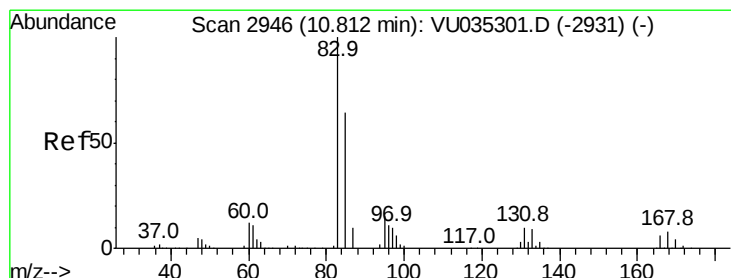
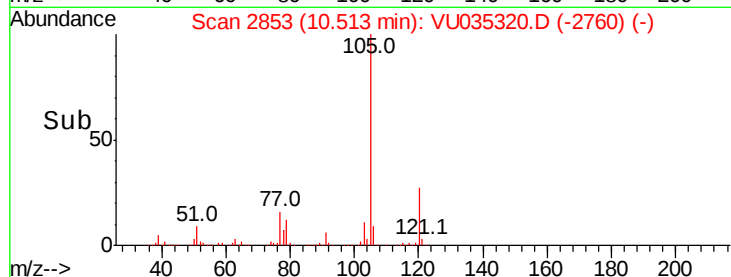
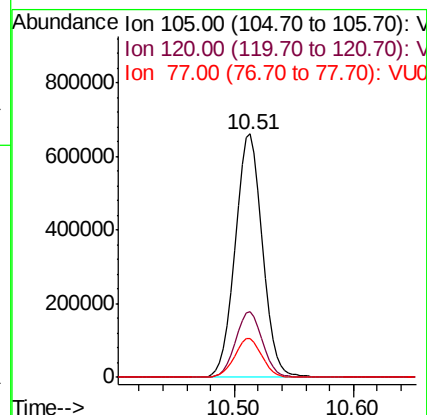
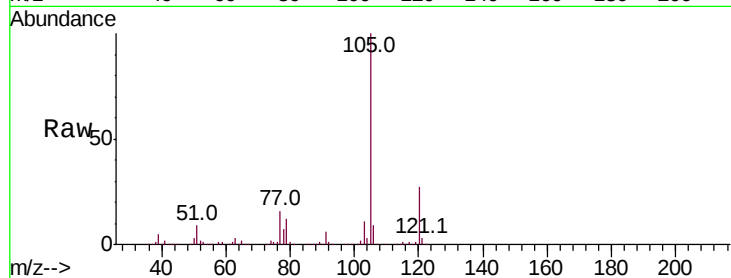
Tot Ion:105 Resp: 1047092

Ion Ratio Lower Upper

105 100

120 26.9 21.1 31.7

77 16.0 12.7 19.1



#58

1,1,2,2-Tetrachloroethane

Concen: 48.595 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

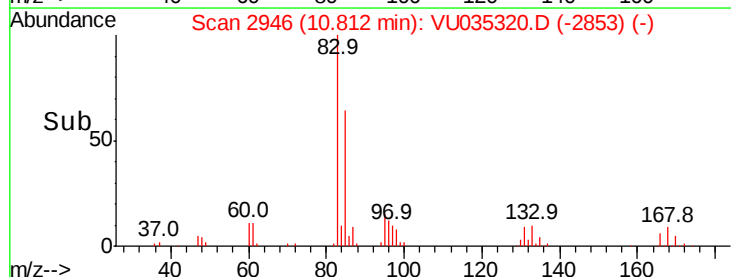
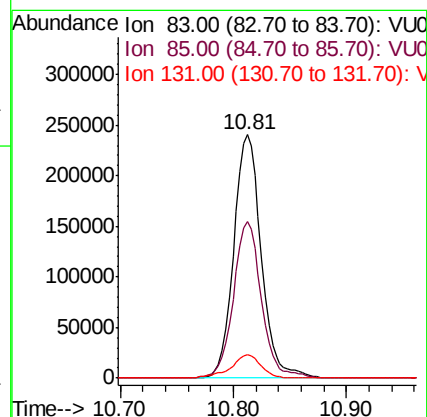
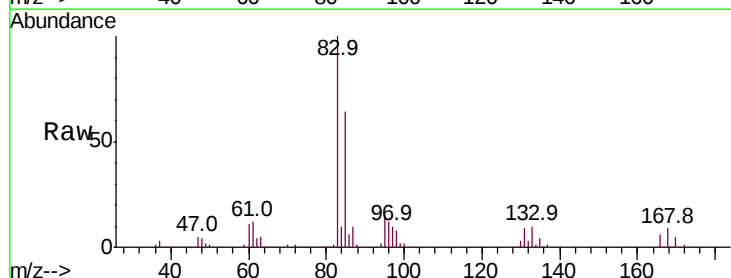
Tgt Ion: 83 Resp: 406667

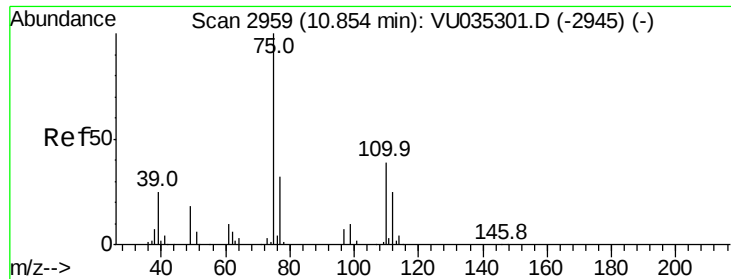
Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5

131 9.5 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 48.085 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Instrument :

MSVOA_U

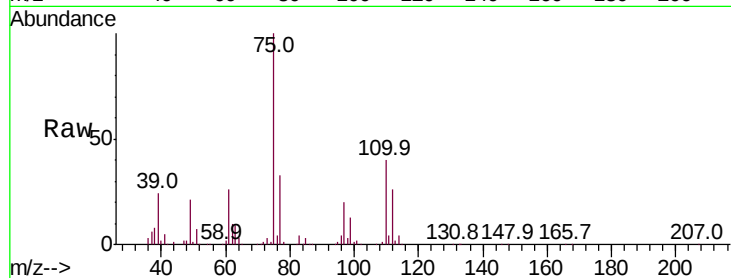
ClientSampleId :

Tot Ion: 75 Resp: 318012

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU035320.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU035320.D (-2945) (-)

10.85

200000

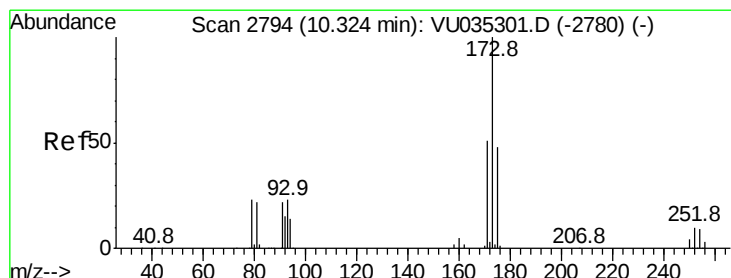
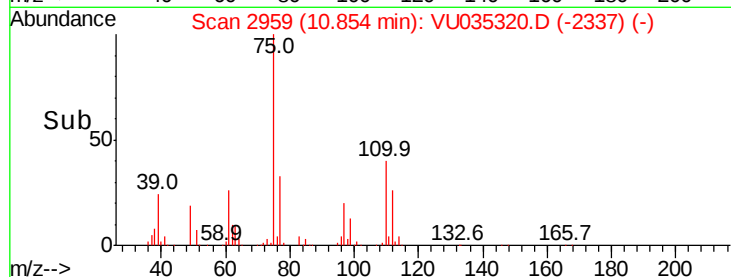
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 46.304 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

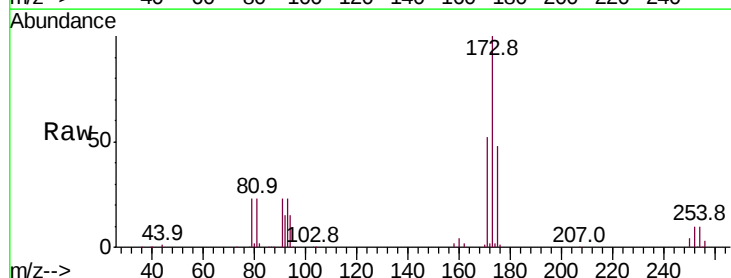
Tgt Ion: 173 Resp: 205861

Ion Ratio Lower Upper

173 100

175 48.0 38.9 58.3

254 9.6 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): VU035320.D (-2701) (-)

Ion 175.00 (174.70 to 175.70): VU035320.D (-2701) (-)

Ion 254.00 (253.70 to 254.70): VU035320.D (-2701) (-)

10.32

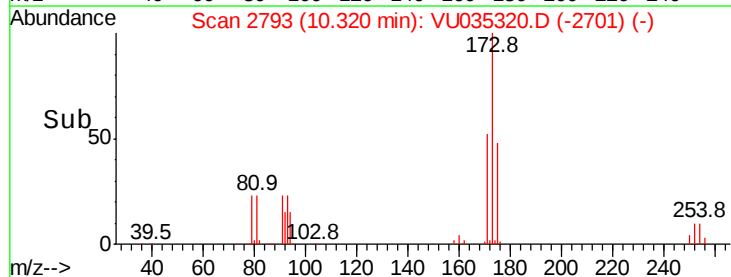
150000

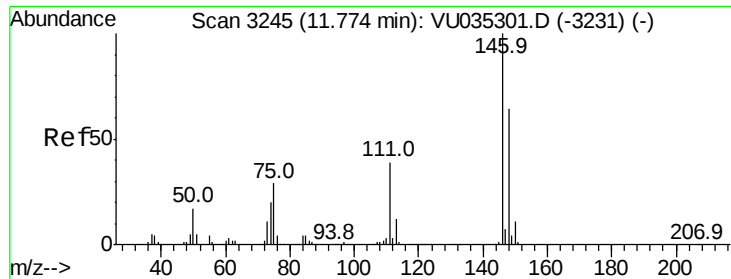
100000

50000

0

Time-->

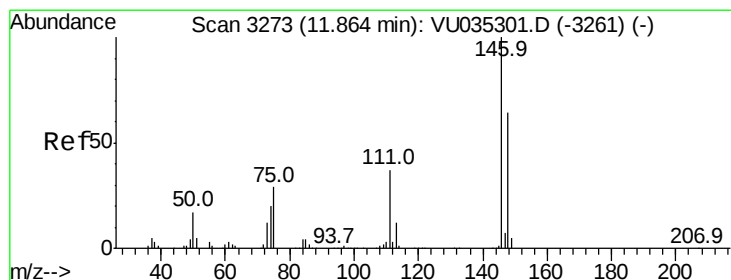
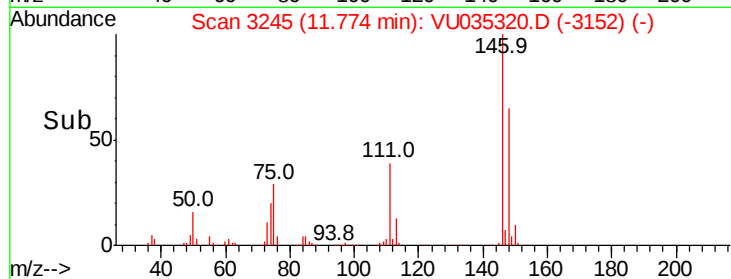
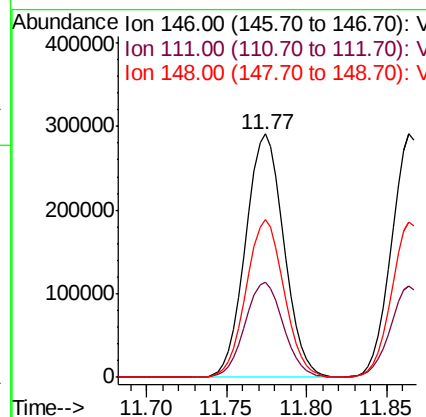
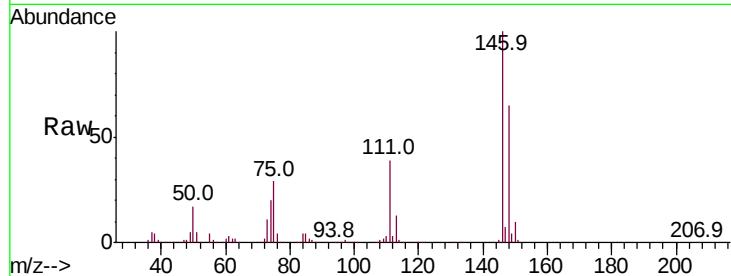




#62
 1,3-Dichlorobenzene
 Concen: 47.110 ug/L
 RT: 11.77 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VU035320.D
 Acq: 21 Oct 2019 10:39

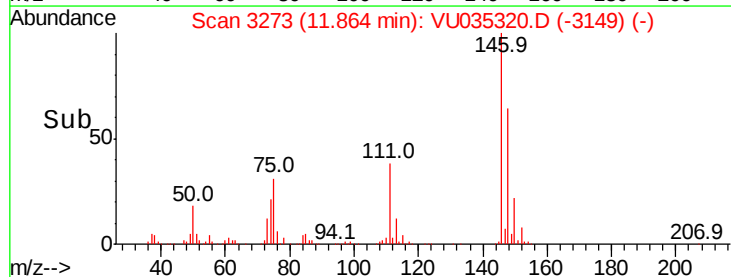
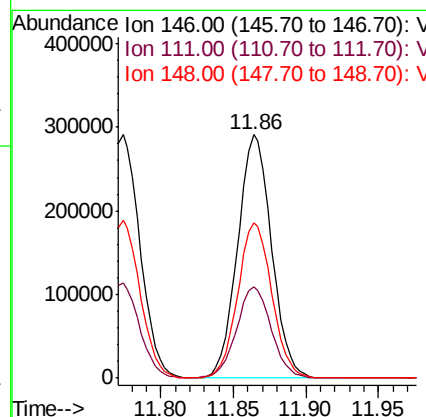
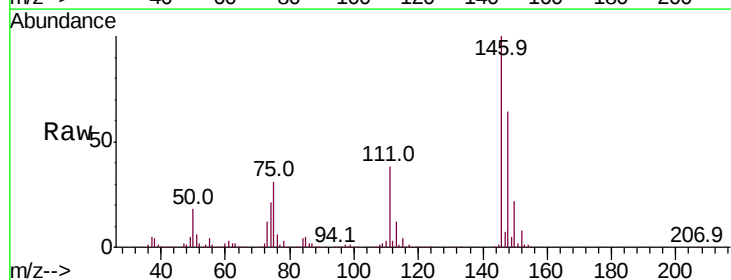
Instrument :
 MSVOA_U
 ClientSampleId :

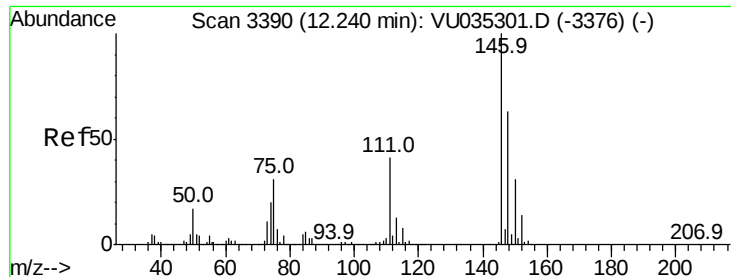
Tot Ion:146 Resp: 475594
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.3 50.7
 148 64.8 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 46.694 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VU035320.D
 Acq: 21 Oct 2019 10:39

Tgt Ion:146 Resp: 472046
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.2 48.8
 148 64.0 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 46.706 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

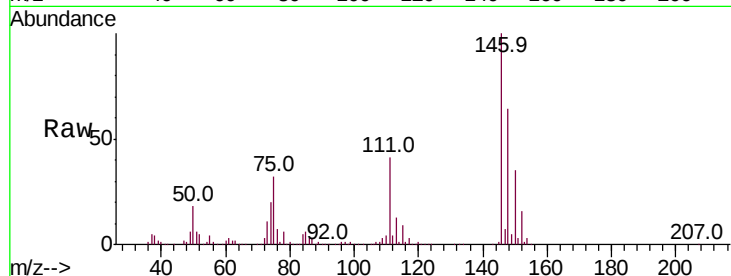
Tot Ion:146 Resp: 470669

Ion Ratio Lower Upper

146 100

111 40.7 32.8 49.2

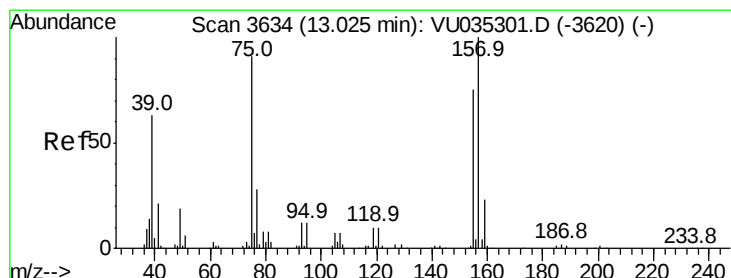
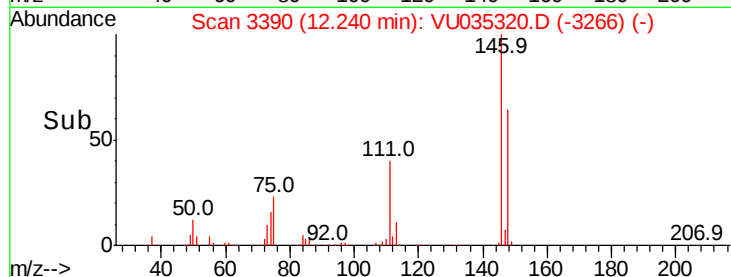
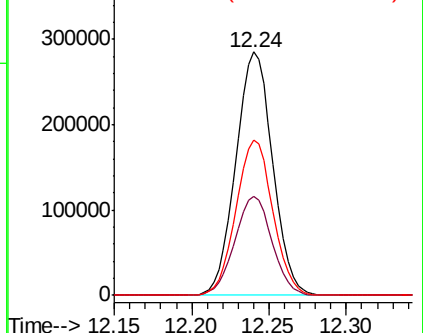
148 63.8 50.2 75.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 48.872 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. -0.00 min

Lab File: VU035320.D

Acq: 21 Oct 2019 10:39

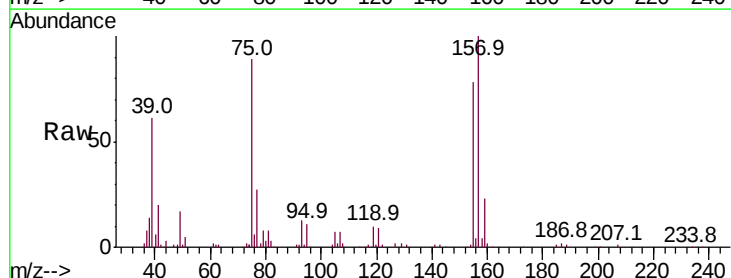
Tgt Ion: 75 Resp: 77845

Ion Ratio Lower Upper

75 100

155 87.9 66.2 99.2

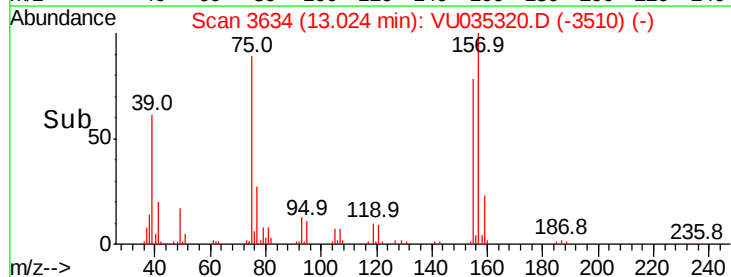
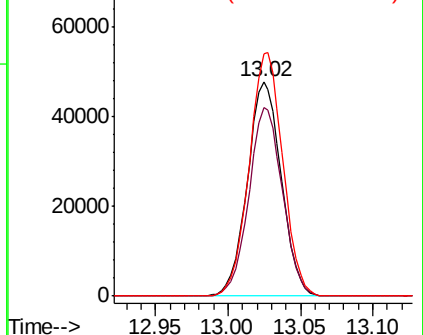
157 112.7 88.2 132.2

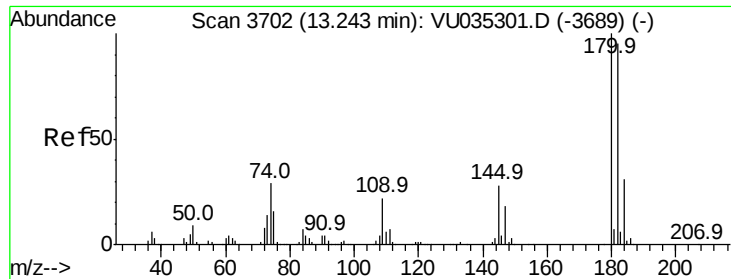


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

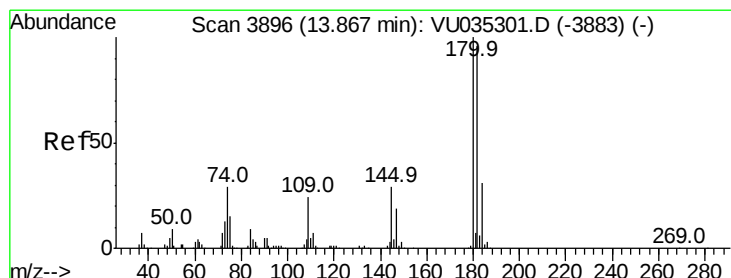
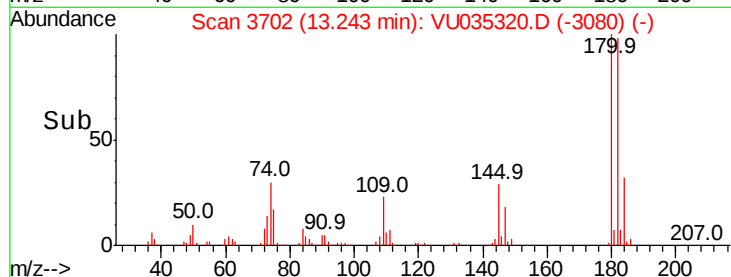
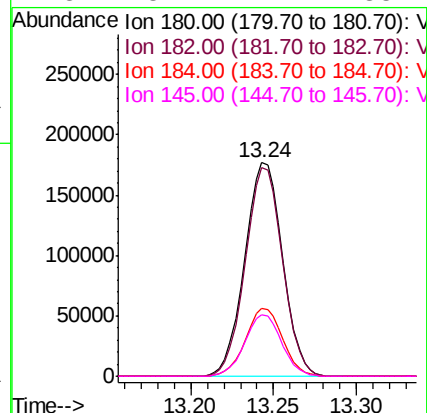
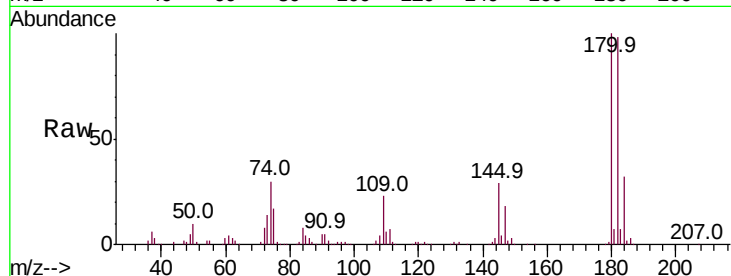




#67
 1,3,5-Trichlorobenzene
 Concen: 49.687 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035320.D
 Acq: 21 Oct 2019 10:39

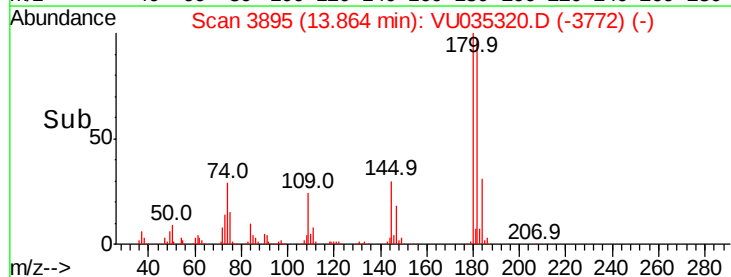
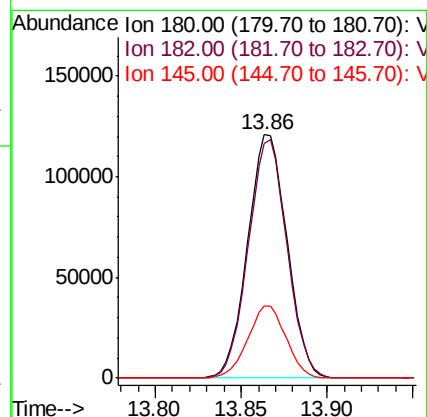
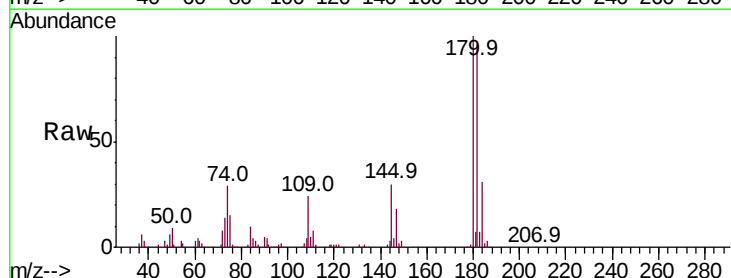
Instrument :
 MSVOA_U
 ClientSampled :

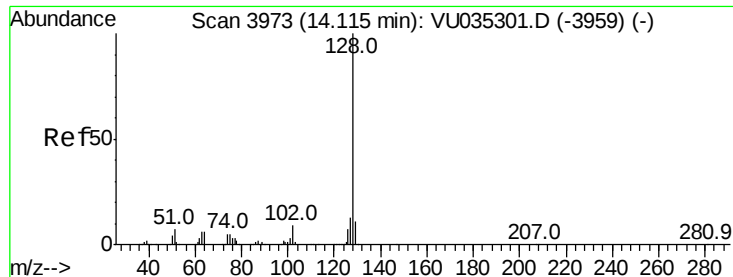
Tot Ion:	180	Resp:	280688
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.5	114.7
184	30.9	24.5	36.7
145	28.2	22.2	33.4



#68
 1,2,4-trichlorobenzene
 Concen: 51.486 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035320.D
 Acq: 21 Oct 2019 10:39

Tgt Ion:	180	Resp:	191701
Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.2	114.2
145	28.9	22.8	34.2

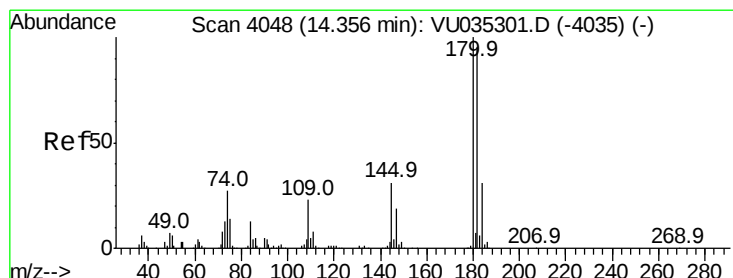
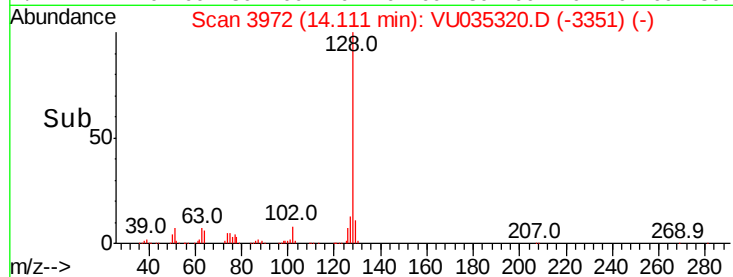
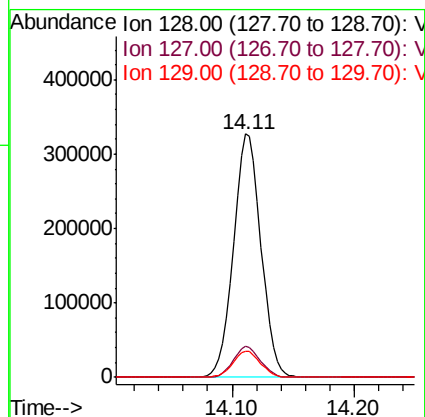
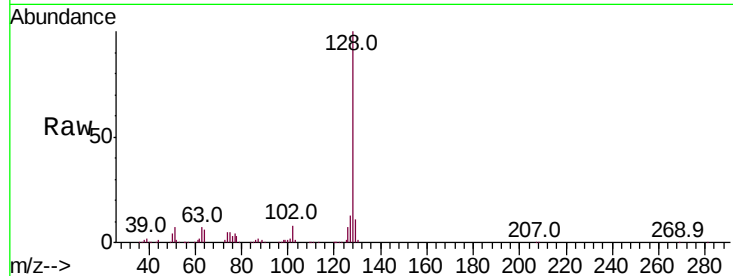




#69
Naphthalene
Concen: 49.943 ug/L
RT: 14.11 min Scan# 3972
Delta R.T. -0.00 min
Lab File: VU035320.D
Acq: 21 Oct 2019 10:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 511873
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.8 8.6 13.0



#70
1,2,3-Trichlorobenzene
Concen: 51.080 ug/L
RT: 14.36 min Scan# 4048
Delta R.T. -0.00 min
Lab File: VU035320.D
Acq: 21 Oct 2019 10:39

Tgt Ion:180 Resp: 196748
Ion Ratio Lower Upper
180 100
182 95.6 76.2 114.2
145 30.7 24.2 36.4

