

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034518.D
 Acq On : 12 Sep 2019 14:15
 Operator : JC/SP
 Sample : VU0912WBSD02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD02

Quant Time: Sep 13 07:08:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	234634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	329342	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	332901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	226561	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	184749	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
35) Dibromofluoromethane	4.86	113	169099	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
50) Toluene-d8	7.54	98	627708	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
62) 4-Bromofluorobenzene	10.29	95	232969	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	49750	20.274	ug/l	98
3) Chloromethane	1.32	50	58733	22.106	ug/l	99
4) Vinyl Chloride	1.40	62	61547	20.127	ug/l	96
5) Bromomethane	1.62	94	39178	22.942	ug/l	96
6) Chloroethane	1.69	64	40776	22.389	ug/l	97
7) Trichlorofluoromethane	1.88	101	89256	21.769	ug/l	100
8) Diethyl Ether	2.10	74	39132	21.698	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	58645	21.596	ug/l	97
10) Methyl Iodide	2.40	142	40435	18.869	ug/l	99
11) Tert butyl alcohol	2.81	59	91457	121.942	ug/l	98
12) 1,1-Dichloroethene	2.27	96	53780	21.067	ug/l	99
13) Acrolein	2.19	56	31750	50.367	ug/l	96
14) Allyl chloride	2.58	41	89110	18.258	ug/l	89
15) Acrylonitrile	2.92	53	212687	113.877	ug/l	97
16) Acetone	2.31	43	200075	108.905	ug/l	99
17) Carbon Disulfide	2.47	76	102787	17.915	ug/l	100
18) Methyl Acetate	2.60	43	95917	21.457	ug/l	96
19) Methyl tert-butyl Ether	2.98	73	209261	22.489	ug/l	100
20) Methylene Chloride	2.69	84	70825	23.324	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	57266	21.287	ug/l	98
22) Diisopropyl ether	3.55	45	220572	23.175	ug/l	94
23) Vinyl Acetate	3.51	43	863871	111.427	ug/l	99
24) 1,1-Dichloroethane	3.43	63	128027	22.524	ug/l	99
25) 2-Butanone	4.24	43	281737	114.884	ug/l	100
26) 2,2-Dichloropropane	4.21	77	105438	23.065	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	73120	22.379	ug/l	99
28) Bromochloromethane	4.52	49	59677	22.827	ug/l	# 11
29) Tetrahydrofuran	4.62	42	173612	116.341	ug/l	100
30) Chloroform	4.65	83	130398	22.570	ug/l	99
31) Cyclohexane	4.97	56	83055	19.973	ug/l	95
32) 1,1,1-Trichloroethane	4.89	97	103962	22.506	ug/l	99
36) 1,1-Dichloropropene	5.12	75	77819	21.787	ug/l	99
37) Ethyl Acetate	4.36	43	98541	23.335	ug/l	97
38) Carbon Tetrachloride	5.11	117	89907	23.575	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	79876	20.920	ug/l	97
40) Benzene	5.37	78	266822	23.151	ug/l	99
41) Methacrylonitrile	4.52	41	53569	23.815	ug/l	99
42) 1,2-Dichloroethane	5.38	62	93765	23.433	ug/l	100
43) Isopropyl Acetate	5.53	43	153255	23.264	ug/l	100
44) Trichloroethene	6.17	130	73005	22.891	ug/l	98
45) 1,2-Dichloropropane	6.41	63	77167	22.903	ug/l	95
46) Dibromomethane	6.54	93	50080	23.679	ug/l	99
47) Bromodichloromethane	6.74	83	103021	23.665	ug/l	99
48) Methyl methacrylate	6.60	41	69092	22.082	ug/l	98
49) 1,4-Dioxane	6.59	88	31451	460.318	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	533302	116.951	ug/l	100
52) Toluene	7.62	92	167488	23.166	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	102337	22.677	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	116491	23.519	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	80525	24.529	ug/l	98
56) Ethyl methacrylate	8.00	69	102670	22.395	ug/l	99
57) 1,3-Dichloropropane	8.22	76	124977	23.379	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	152646	101.065	ug/l	99
59) 2-Hexanone	8.34	43	399028	117.134	ug/l	100
60) Dibromochloromethane	8.46	129	84668	24.045	ug/l	98
61) 1,2-Dibromoethane	8.57	107	75500	23.497	ug/l	98
64) Tetrachloroethene	8.21	164	64782	22.431	ug/l	99
65) Chlorobenzene	9.10	112	192965	22.847	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	74760	23.194	ug/l	99
67) Ethyl Benzene	9.23	91	306675	22.208	ug/l	96
68) m/p-Xylenes	9.35	106	247001	47.499	ug/l	99
69) o-Xylene	9.76	106	117754	23.155	ug/l	99
70) Styrene	9.77	104	212268	23.807	ug/l	98
71) Bromoform	9.94	173	66595	23.840	ug/l #	100
73) Isopropylbenzene	10.14	105	328427	22.275	ug/l	100
74) N-amyl acetate	9.99	43	126728	21.353	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	134883	22.601	ug/l	98
76) 1,2,3-Trichloropropane	10.47	75	143262	28.969	ug/l	86
77) Bromobenzene	10.43	156	95170	23.085	ug/l	96
78) n-propylbenzene	10.57	91	378183	22.210	ug/l	99
79) 2-Chlorotoluene	10.64	91	233285	22.453	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	287527	23.317	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	143898	97.852	ug/l #	100
82) 4-Chlorotoluene	10.75	91	272885	22.823	ug/l	100
83) tert-Butylbenzene	11.08	119	278313	22.561	ug/l	99
84) 1,2,4-Trimethylbenzene	11.12	105	287053	23.126	ug/l	99
85) sec-Butylbenzene	11.30	105	331783	22.782	ug/l	100
86) p-Isopropyltoluene	11.45	119	305537	22.731	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	169928	22.588	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	172359	21.966	ug/l	100
89) n-Butylbenzene	11.87	91	254953	21.826	ug/l	99
90) Hexachloroethane	12.12	117	46691	21.712	ug/l	98
91) 1,2-Dichlorobenzene	11.85	146	165450	22.378	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	25309	23.078	ug/l	100

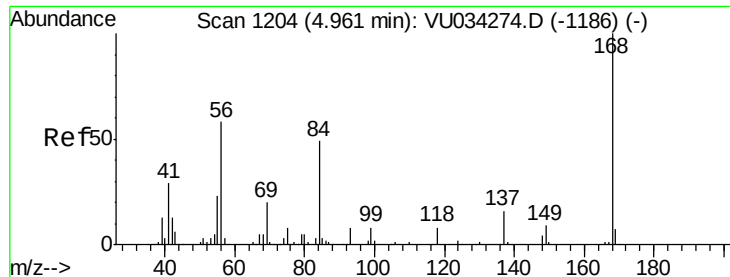
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
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Instrument :
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Quant Time: Sep 13 07:08:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	97279	20.341	ug/l	98
94) Hexachlorobutadiene	13.67	225	53236	20.585	ug/l	99
95) Naphthalene	13.72	128	253477	19.421	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	103231	21.519	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

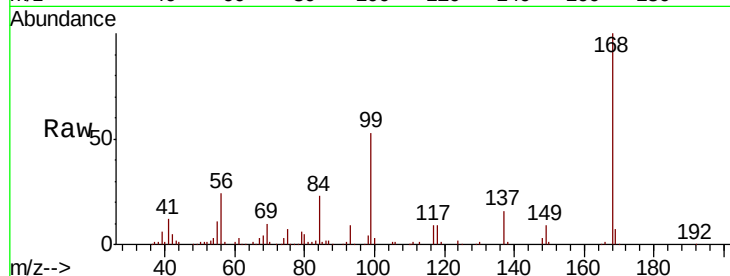
VU0912WBSD02

Tgt Ion:168 Resp: 234634

Ion Ratio Lower Upper

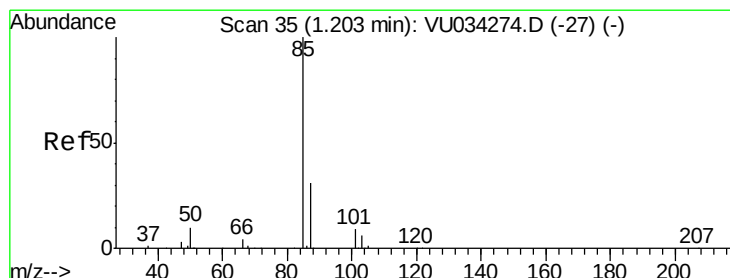
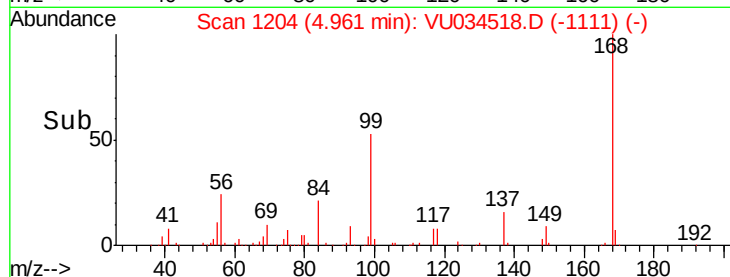
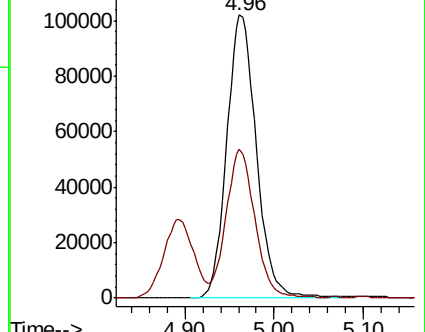
168 100

99 52.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034518.D (-1111) (-)



#2

Dichlorodifluoromethane

Concen: 20.274 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034518.D

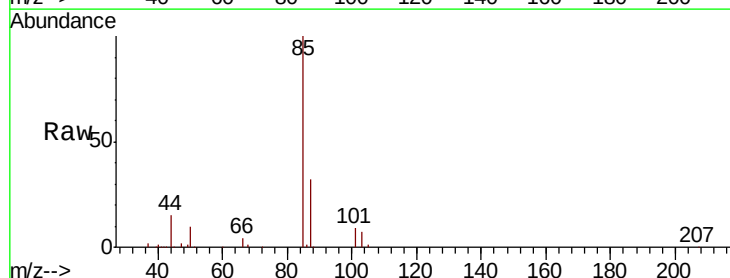
Acq: 12 Sep 2019 14:15

Tgt Ion: 85 Resp: 49750

Ion Ratio Lower Upper

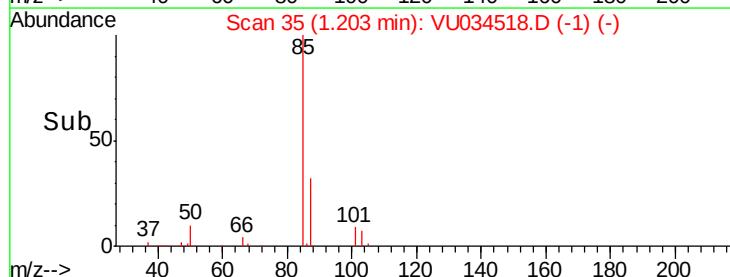
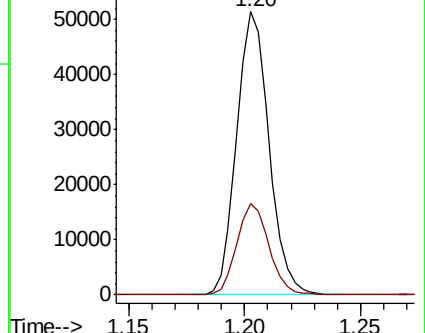
85 100

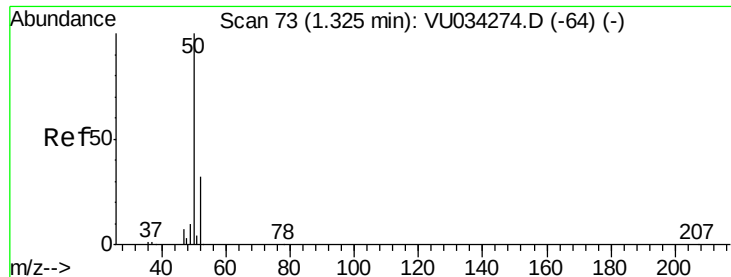
87 32.2 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034518.D (-1) (-)





#3

Chloromethane

Concen: 22.106 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

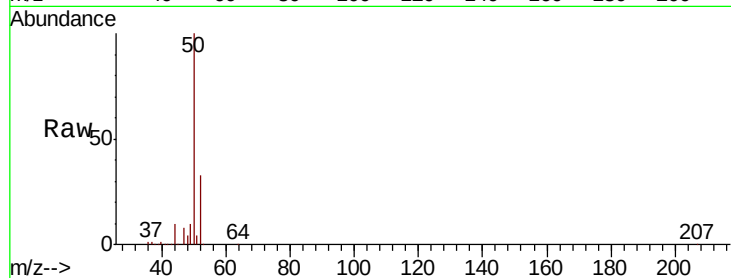
VU0912WBSD02

Tgt Ion: 50 Resp: 58733

Ion Ratio Lower Upper

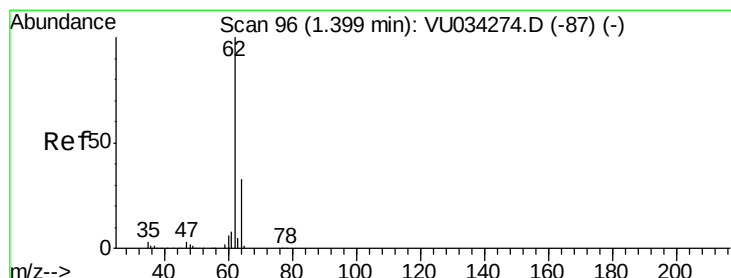
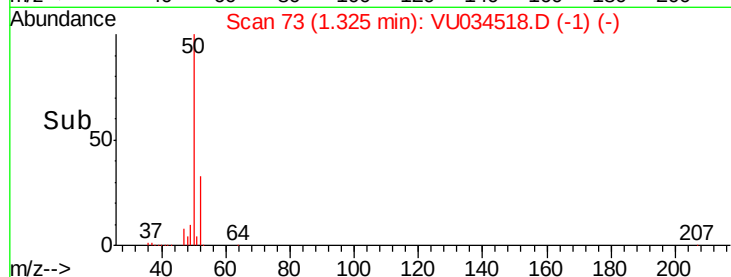
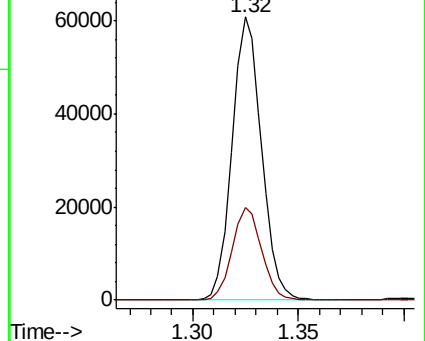
50 100

52 32.6 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VU034274.D (-64) (-)

Ion 51.90 (51.60 to 52.60): VU034518.D (-1) (-)



#4

Vinyl Chloride

Concen: 20.127 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034518.D

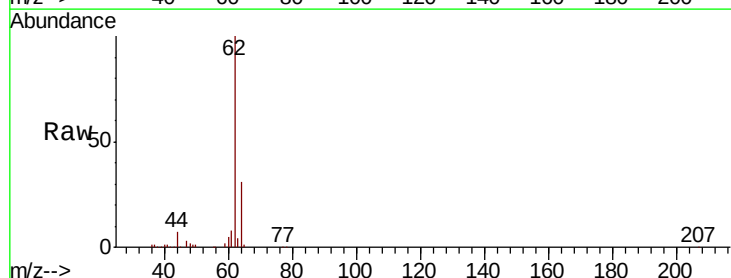
Acq: 12 Sep 2019 14:15

Tgt Ion: 62 Resp: 61547

Ion Ratio Lower Upper

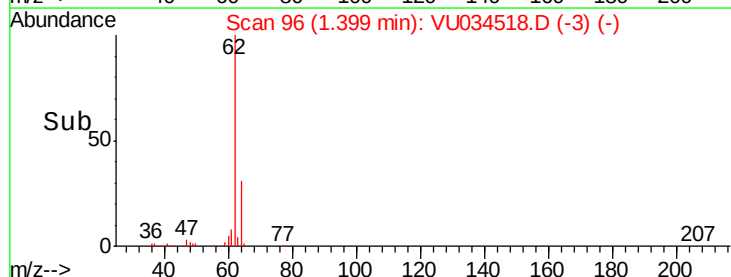
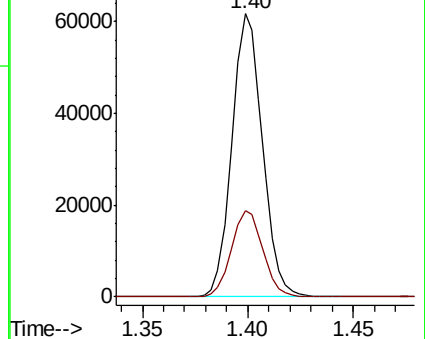
62 100

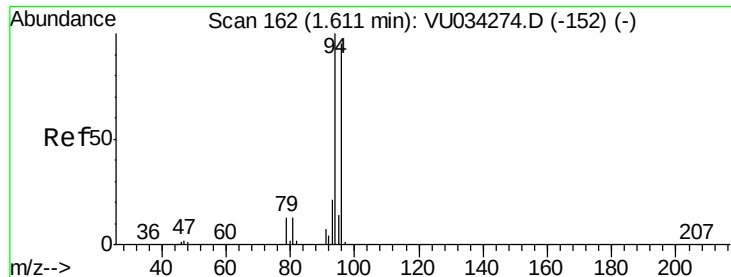
64 30.6 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034274.D (-87) (-)

Ion 63.90 (63.60 to 64.60): VU034518.D (-3) (-)





#5

Bromomethane

Concen: 22.942 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

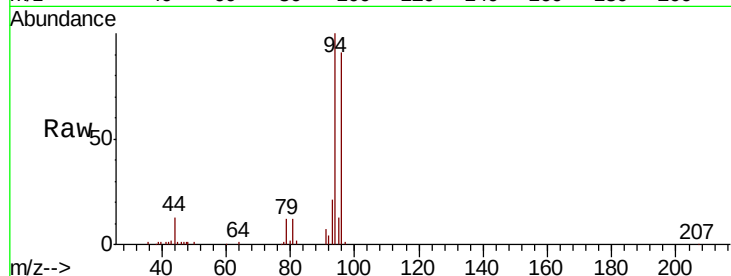
VU0912WBSD02

Tgt Ion: 94 Resp: 39178

Ion Ratio Lower Upper

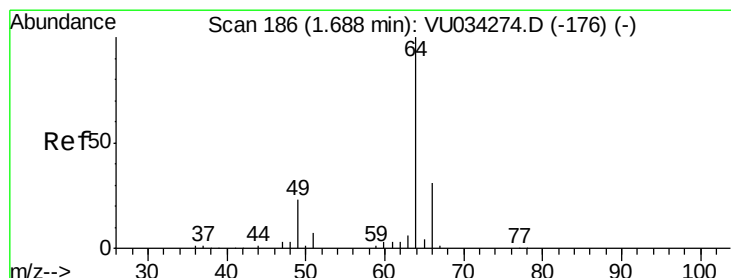
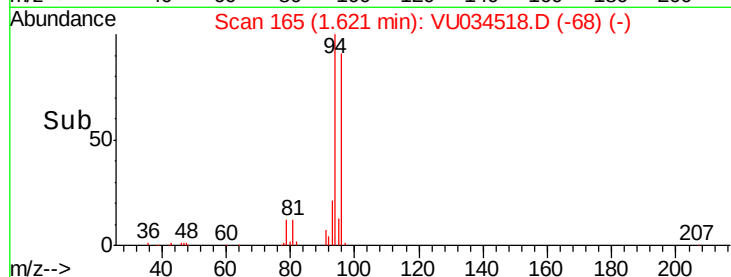
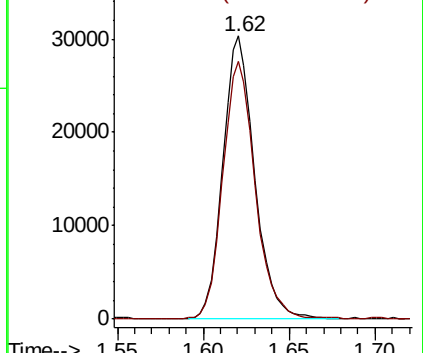
94 100

96 90.6 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 22.389 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034518.D

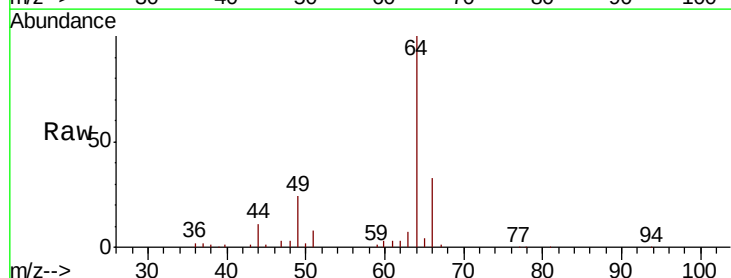
Acq: 12 Sep 2019 14:15

Tgt Ion: 64 Resp: 40776

Ion Ratio Lower Upper

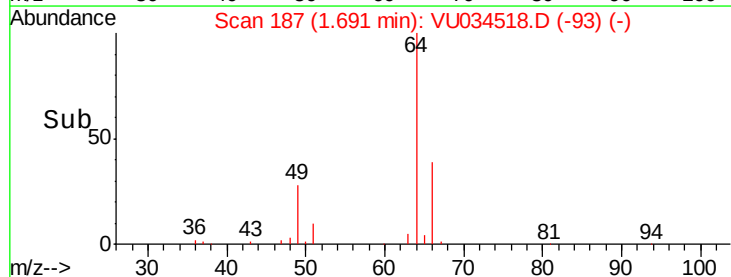
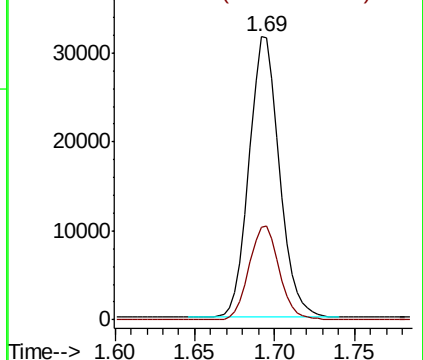
64 100

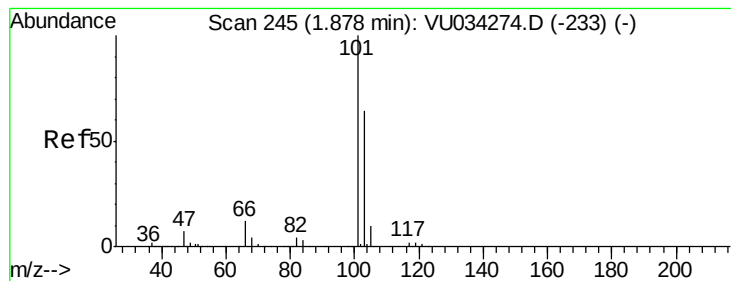
66 33.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



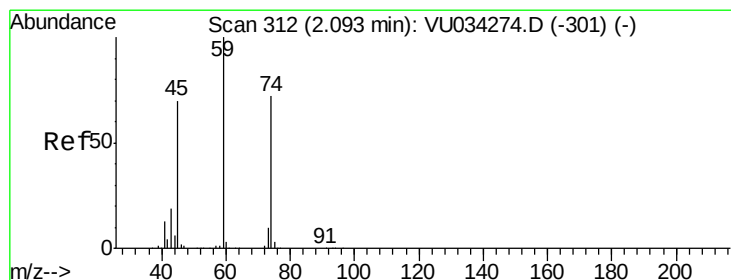
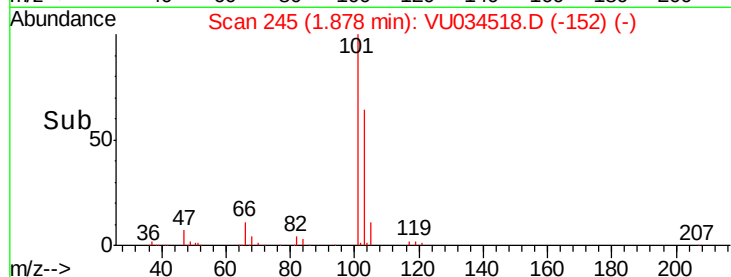
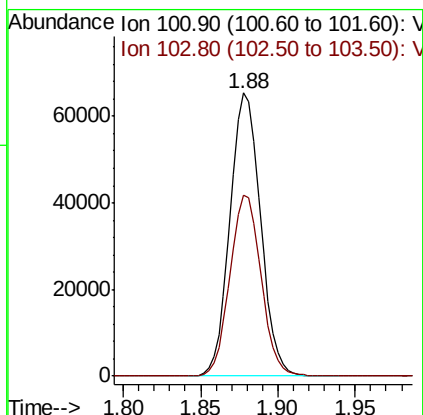
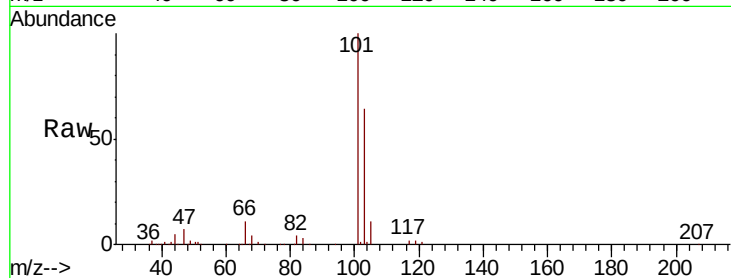


#7

Trichlorofluoromethane
 Concen: 21.769 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD02

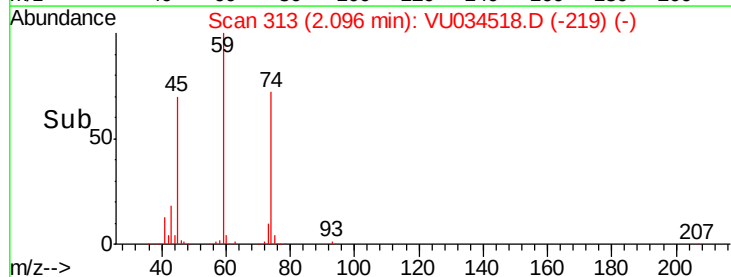
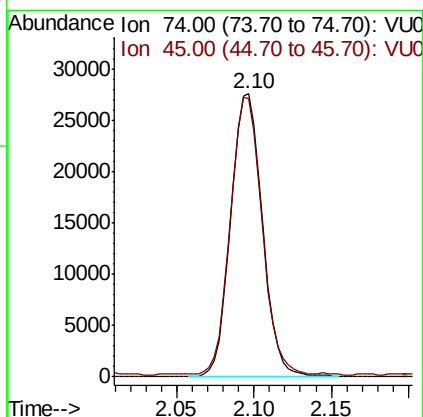
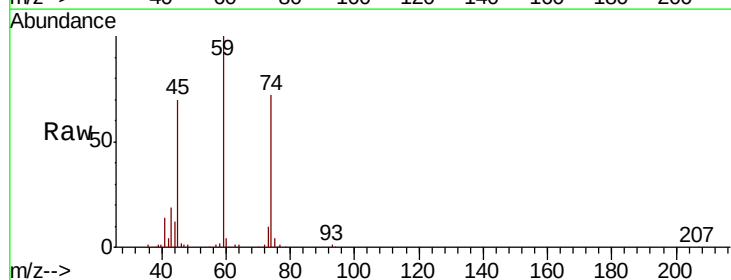
Tgt Ion:101 Resp: 89256
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.0 76.6

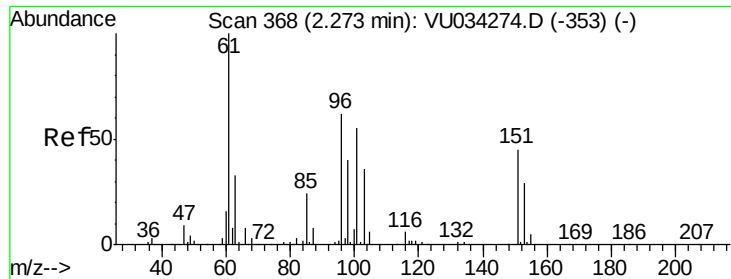


#8

Diethyl Ether
 Concen: 21.698 ug/l
 RT: 2.10 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Tgt Ion: 74 Resp: 39132
 Ion Ratio Lower Upper
 74 100
 45 96.7 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.596 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD02

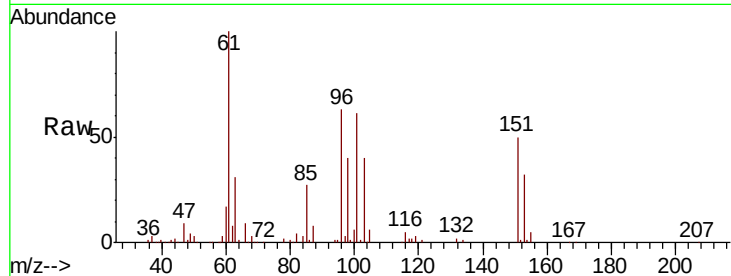
Tgt Ion:101 Resp: 58645

Ion Ratio Lower Upper

101 100

85 43.9 34.4 51.6

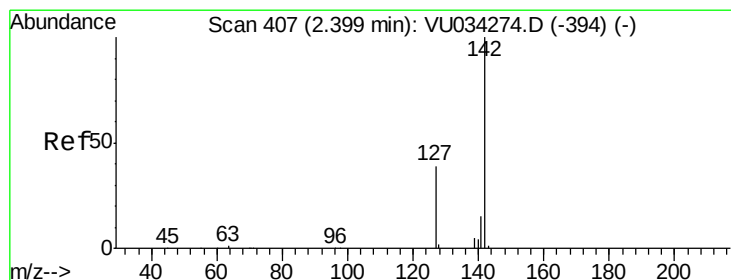
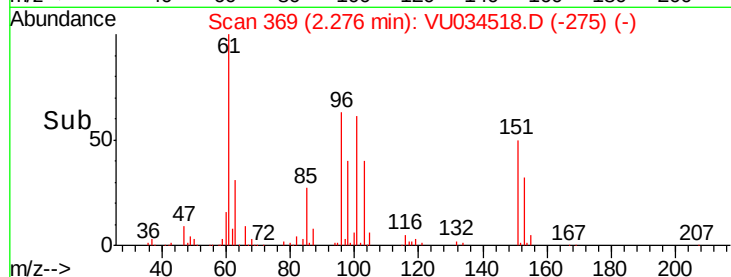
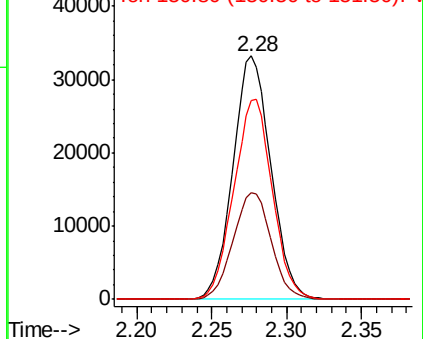
151 83.3 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.869 ug/l

RT: 2.40 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

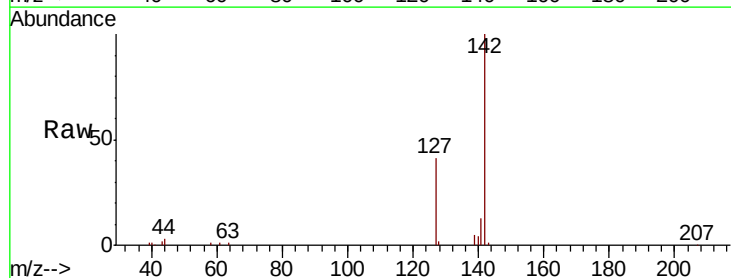
Tgt Ion:142 Resp: 40435

Ion Ratio Lower Upper

142 100

127 40.6 32.1 48.1

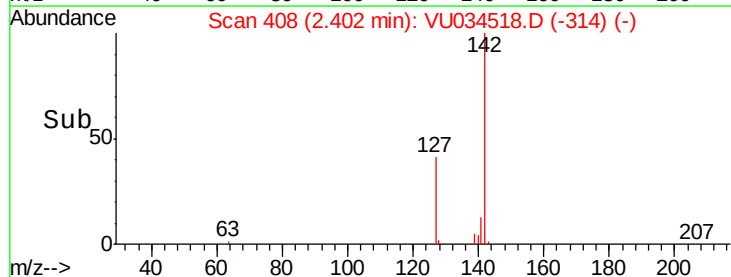
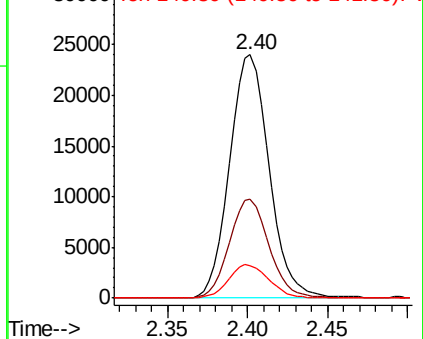
141 14.0 11.5 17.3

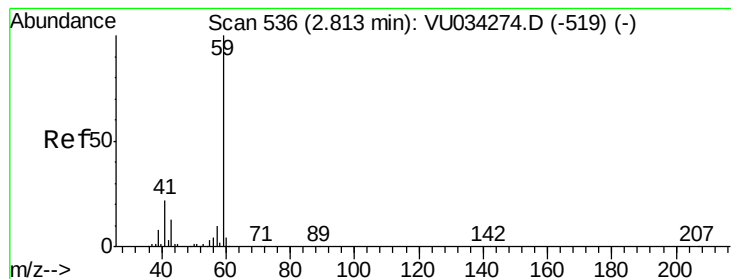


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



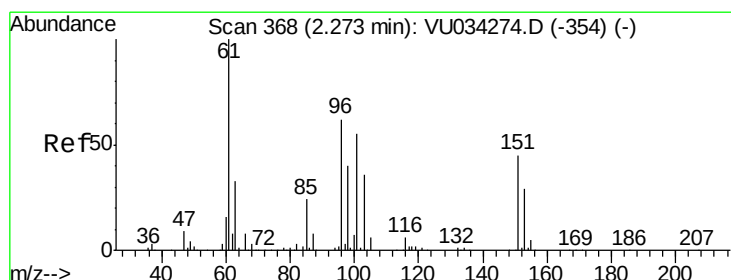
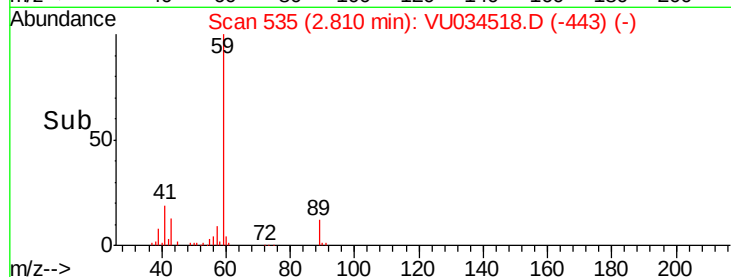
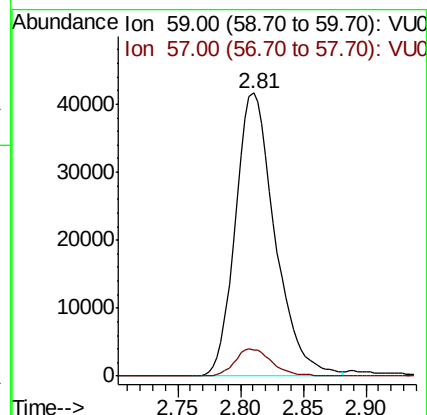
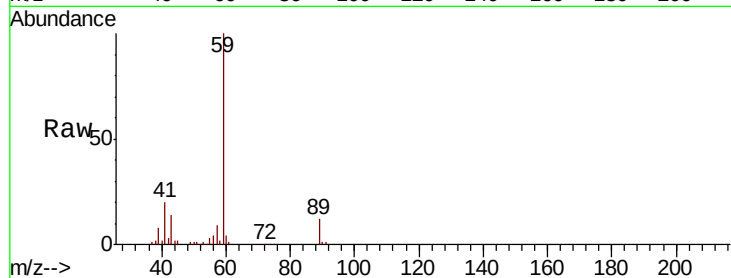


#11

Tert butyl alcohol
 Concen: 121.942 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD02

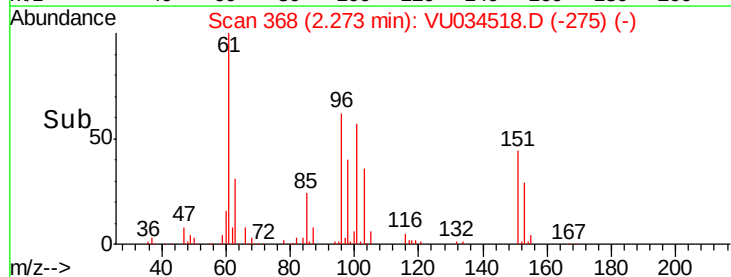
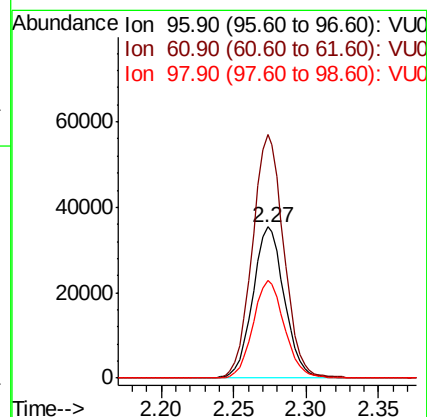
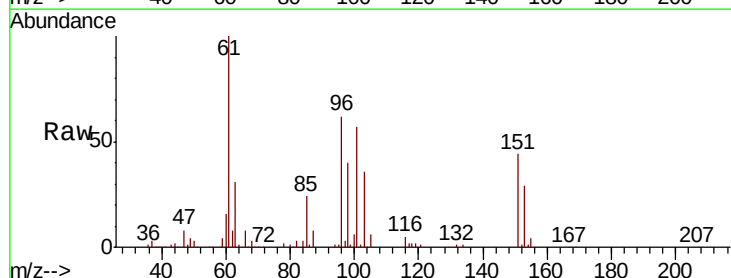
Tgt Ion: 59 Resp: 91457
 Ion Ratio Lower Upper
 59 100
 57 9.0 7.9 11.9

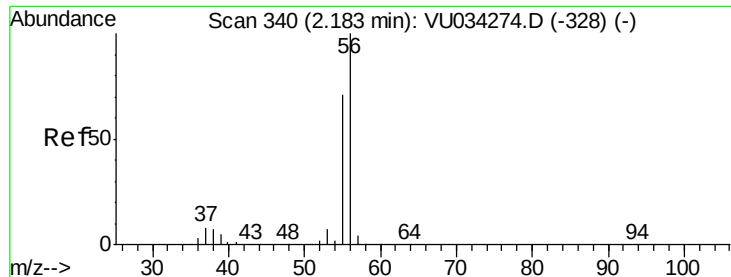


#12

1,1-Dichloroethene
 Concen: 21.067 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Tgt Ion: 96 Resp: 53780
 Ion Ratio Lower Upper
 96 100
 61 160.9 130.0 195.0
 98 64.4 52.2 78.4





#13

Acrolein

Concen: 50.367 ug/l

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

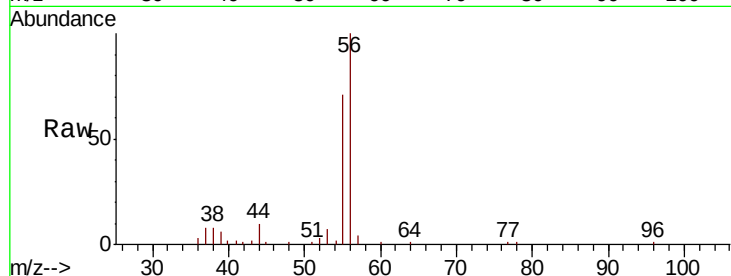
VU0912WBSD02

Tgt Ion: 56 Resp: 31750

Ion Ratio Lower Upper

56 100

55 74.8 57.4 86.2



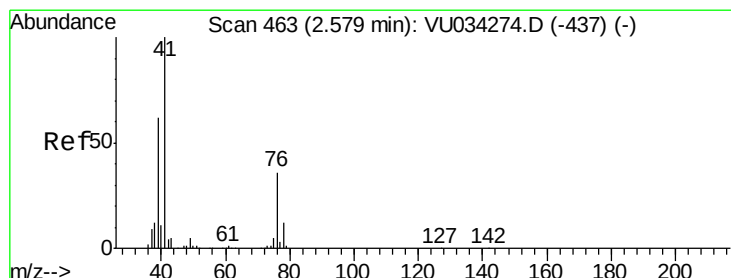
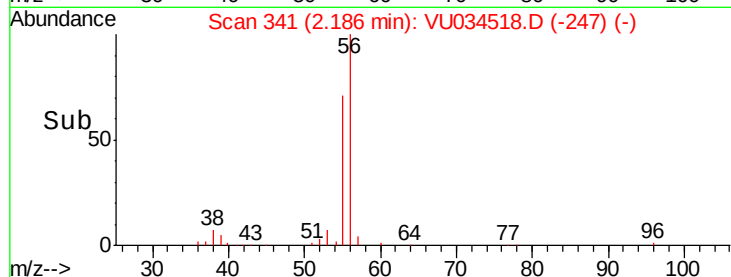
Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-328) (-)

Ion 55.00 (54.70 to 55.70): VU034274.D (-328) (-)

2.19

2.15 2.20 2.25

Time-->



#14

Allyl chloride

Concen: 18.258 ug/l

RT: 2.58 min Scan# 464

Delta R.T. 0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

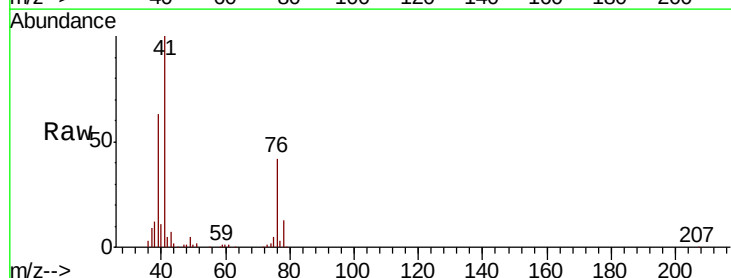
Tgt Ion: 41 Resp: 89110

Ion Ratio Lower Upper

41 100

39 62.5 43.5 65.3

76 39.1 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-437) (-)

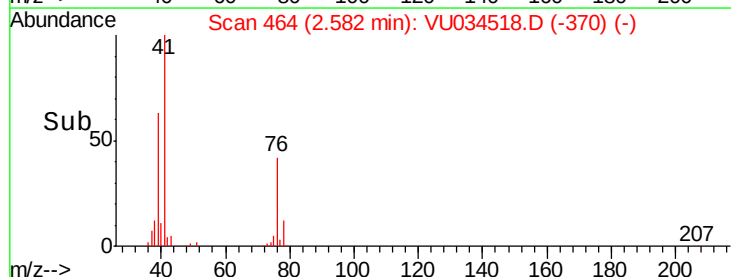
Ion 39.00 (38.70 to 39.70): VU034274.D (-437) (-)

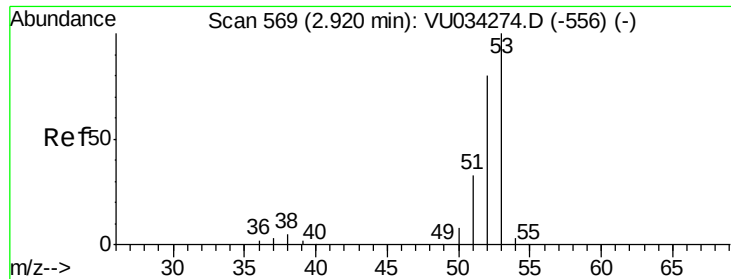
Ion 75.90 (75.60 to 76.60): VU034274.D (-437) (-)

2.58

2.55 2.60 2.65

Time-->





#15

Acrylonitrile

Concen: 113.877 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD02

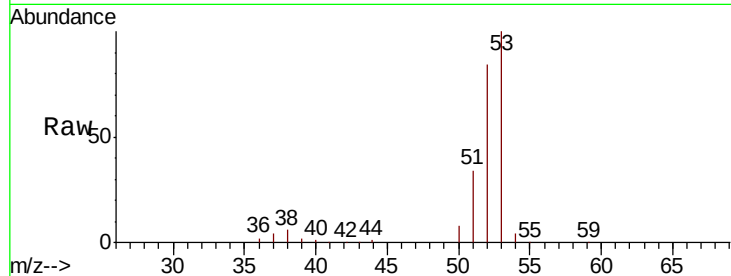
Tgt Ion: 53 Resp: 212687

Ion Ratio Lower Upper

53 100

52 83.7 64.1 96.1

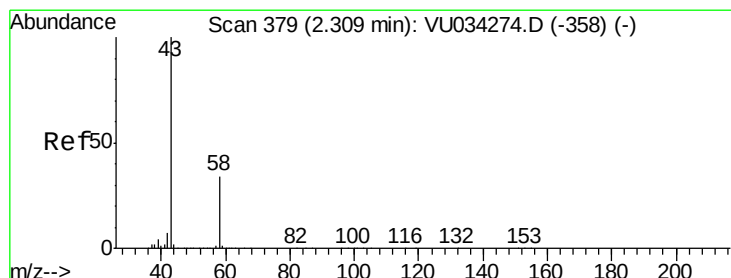
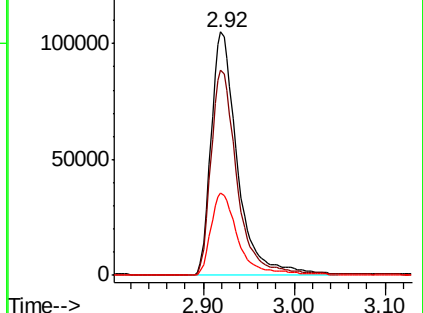
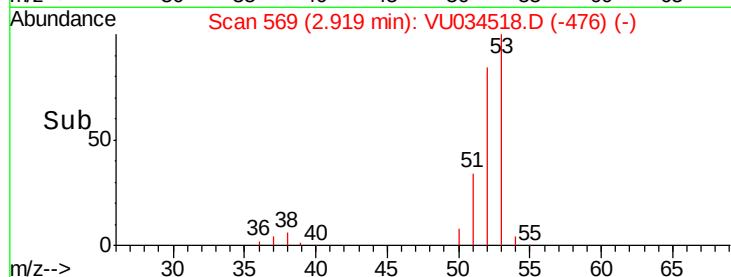
51 35.1 27.4 41.0



Abundance Ion 53.00 (52.70 to 53.70): VU034518.D (-476) (-)

Ion 52.00 (51.70 to 52.70): VU034518.D (-476) (-)

Ion 51.00 (50.70 to 51.70): VU034518.D (-476) (-)



#16

Acetone

Concen: 108.905 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034518.D

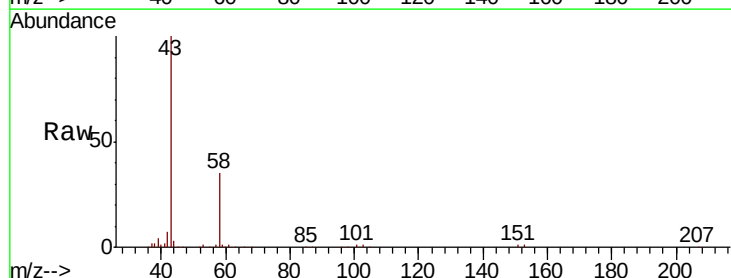
Acq: 12 Sep 2019 14:15

Tgt Ion: 43 Resp: 200075

Ion Ratio Lower Upper

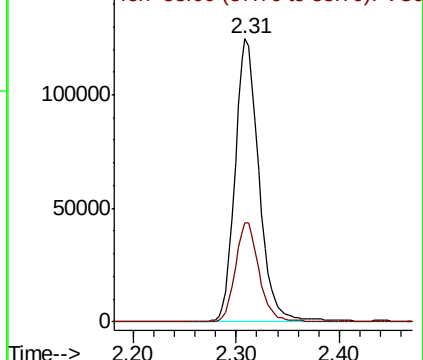
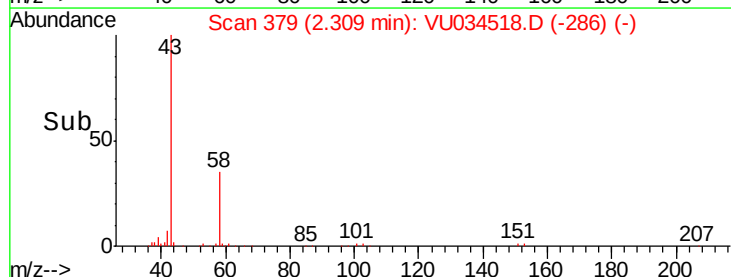
43 100

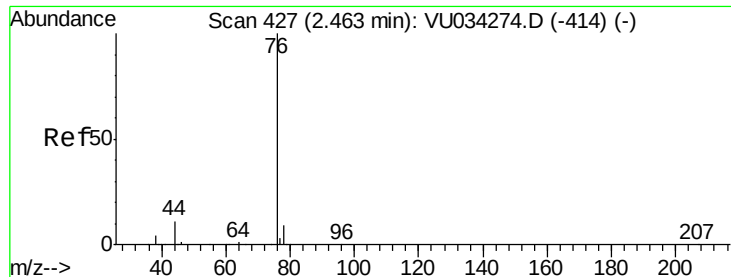
58 34.9 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034518.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034518.D (-286) (-)





#17

Carbon Disulfide

Concen: 17.915 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

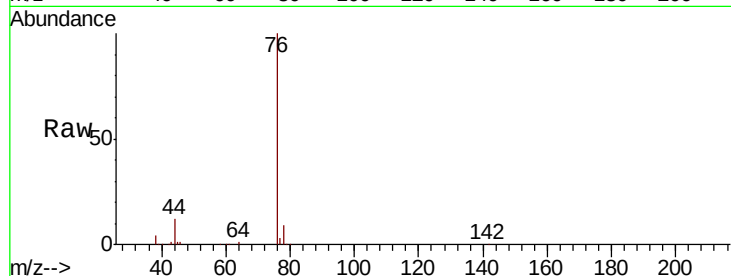
VU0912WBSD02

Tgt Ion: 76 Resp: 102787

Ion Ratio Lower Upper

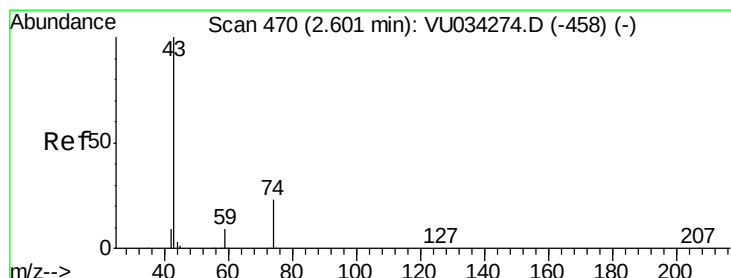
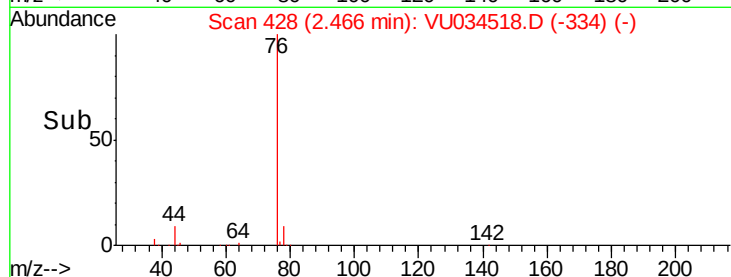
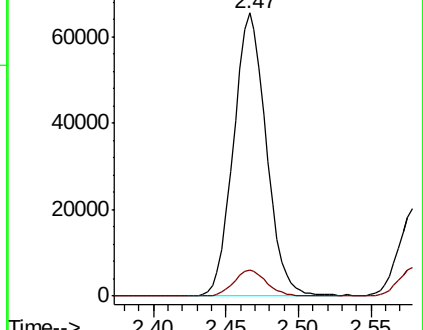
76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU034274.D (-414) (-)

Ion 77.90 (77.60 to 78.60): VU034274.D (-414) (-)



#18

Methyl Acetate

Concen: 21.457 ug/l

RT: 2.60 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU034518.D

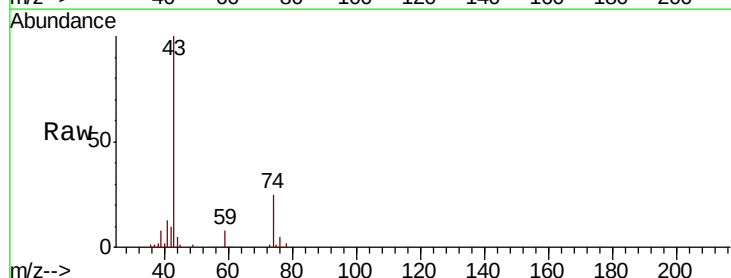
Acq: 12 Sep 2019 14:15

Tgt Ion: 43 Resp: 95917

Ion Ratio Lower Upper

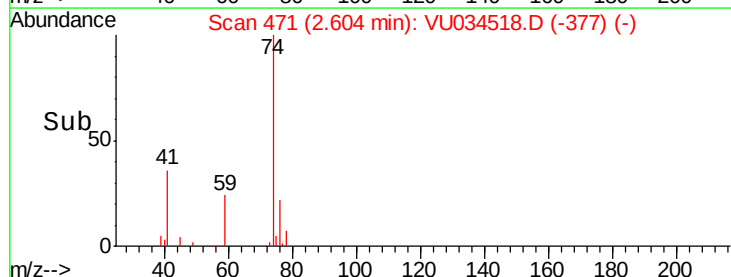
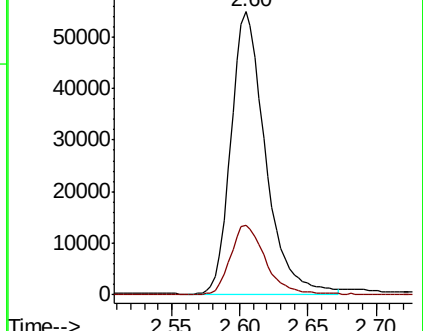
43 100

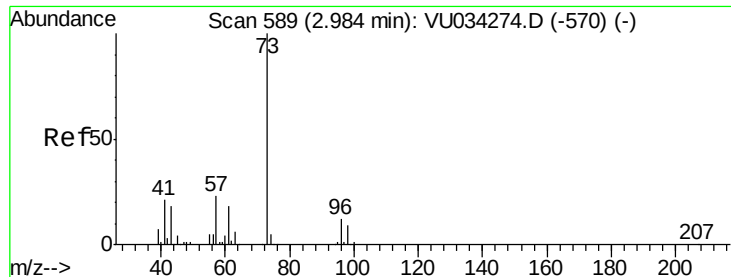
74 25.7 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU034274.D (-458) (-)





#19

Methyl tert-butyl Ether

Concen: 22.489 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

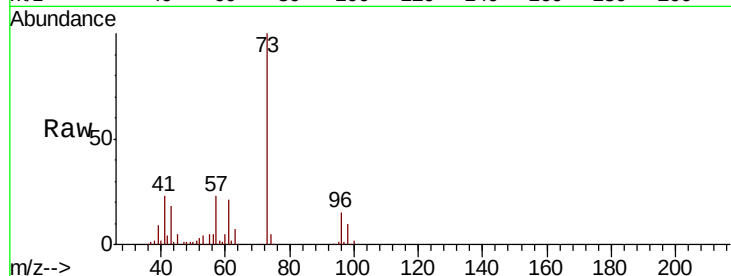
VU0912WBSD02

Tgt Ion: 73 Resp: 209261

Ion Ratio Lower Upper

73 100

57 22.7 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VU034518.D (-496) (-)

Ion 57.00 (56.70 to 57.70): VU034518.D (-496) (-)

2.98

100000

80000

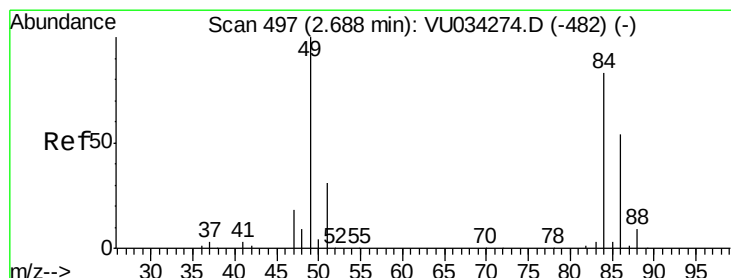
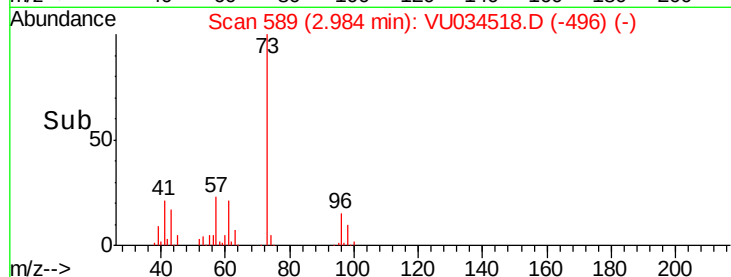
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 23.324 ug/l

RT: 2.69 min Scan# 497

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Tgt Ion: 84 Resp: 70825

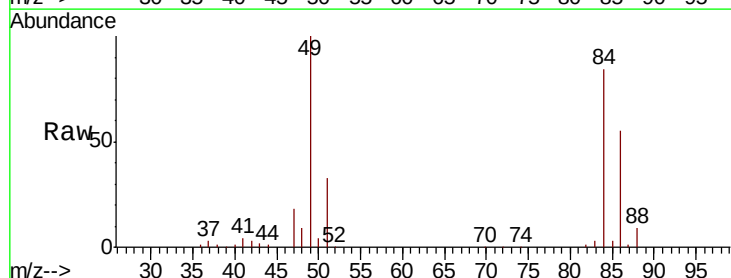
Ion Ratio Lower Upper

84 100

49 118.9 96.0 144.0

51 38.7 30.0 45.0

86 65.0 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VU034518.D (-404) (-)

Ion 48.90 (48.60 to 49.60): VU034518.D (-404) (-)

Ion 50.90 (50.60 to 51.60): VU034518.D (-404) (-)

Ion 85.90 (85.60 to 86.60): VU034518.D (-404) (-)

2.69

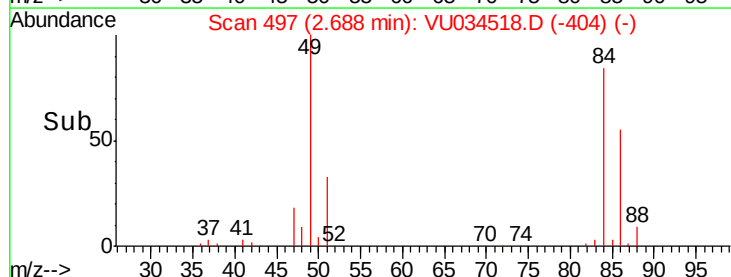
60000

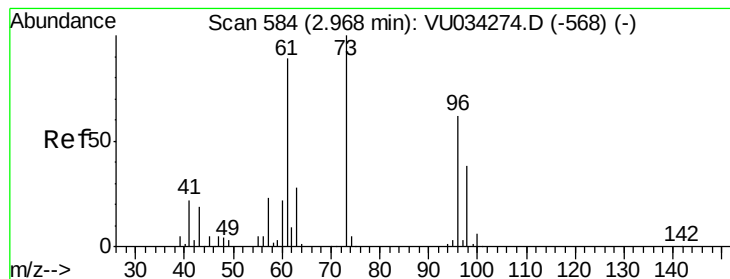
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 21.287 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD02

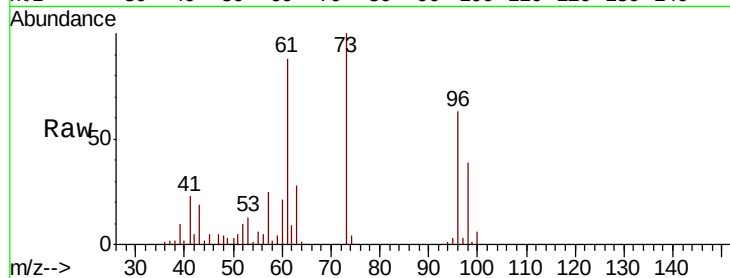
Tgt Ion: 96 Resp: 57266

Ion Ratio Lower Upper

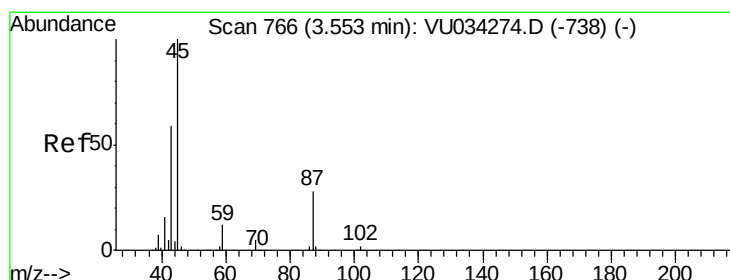
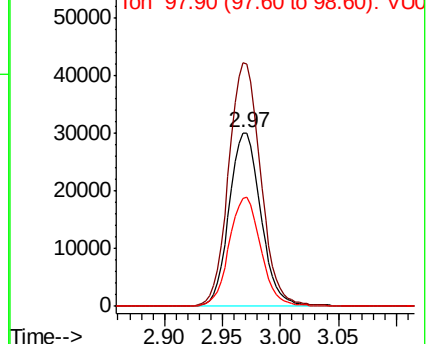
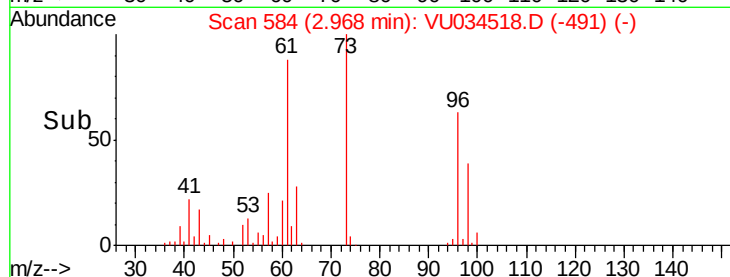
96 100

61 140.5 114.8 172.2

98 62.6 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VU034518.D (-491) (-)



#22

Diisopropyl ether

Concen: 23.175 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Tgt Ion: 45 Resp: 220572

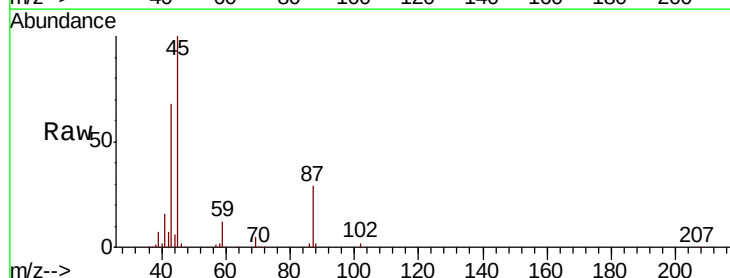
Ion Ratio Lower Upper

45 100

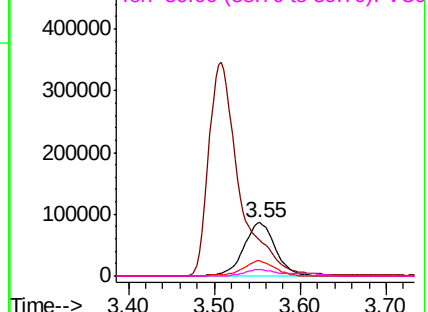
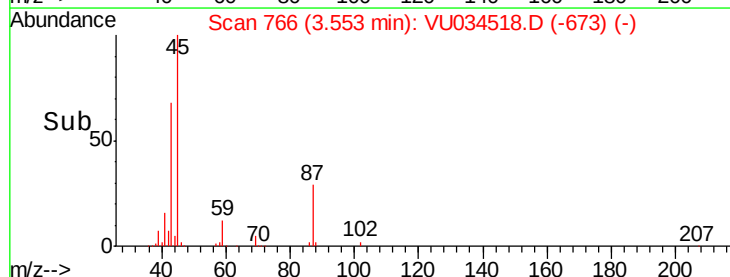
43 66.5 47.5 71.3

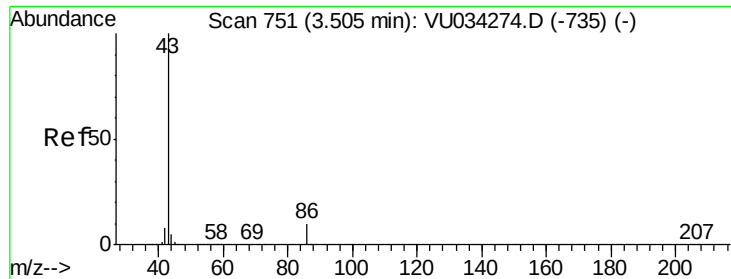
87 28.5 22.2 33.4

59 12.0 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VU034518.D (-673) (-)





#23

Vinyl Acetate

Concen: 111.427 ug/l

RT: 3.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

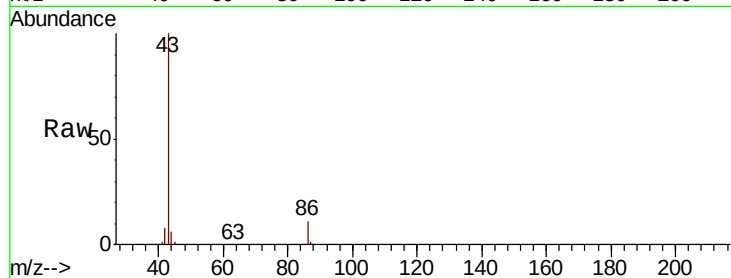
VU0912WBSD02

Tgt Ion: 43 Resp: 863871

Ion Ratio Lower Upper

43 100

86 10.9 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-735) (-)

Ion 86.00 (85.70 to 86.70): VU034274.D (-735) (-)

3.51

400000

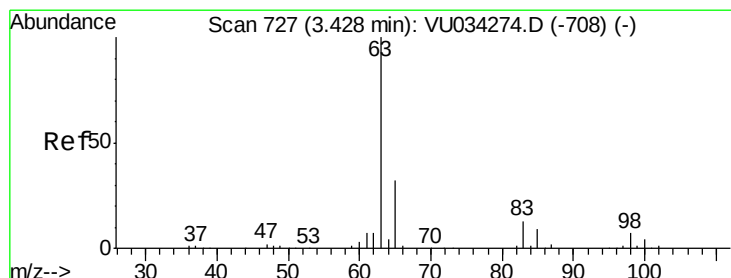
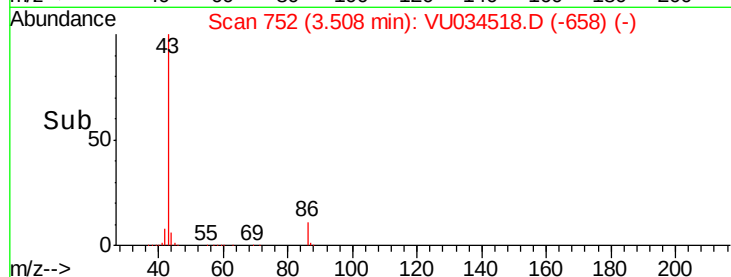
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.524 ug/l

RT: 3.43 min Scan# 727

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

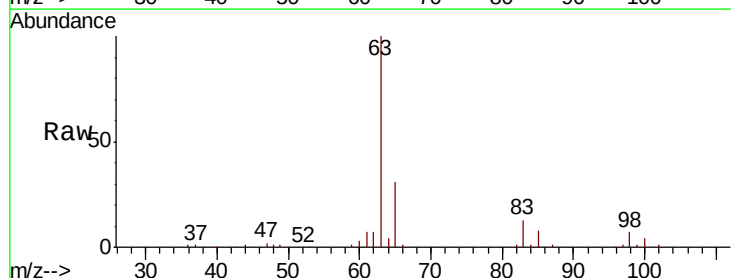
Tgt Ion: 63 Resp: 128027

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 3.7 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034518.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034518.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034518.D (-634) (-)

3.43

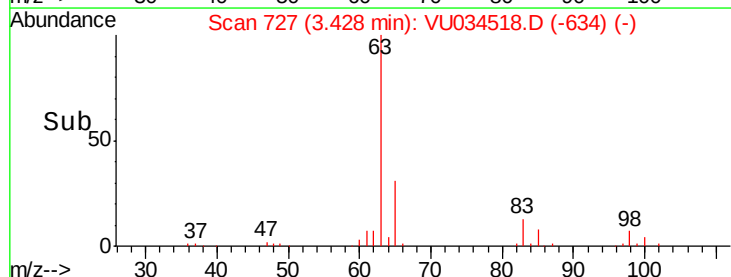
60000

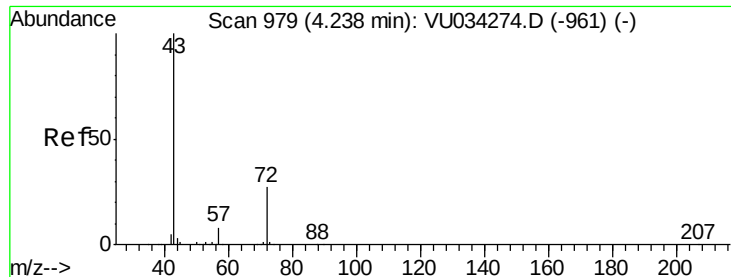
40000

20000

0

Time-->

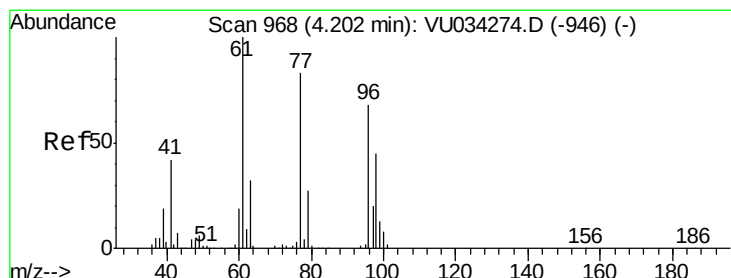
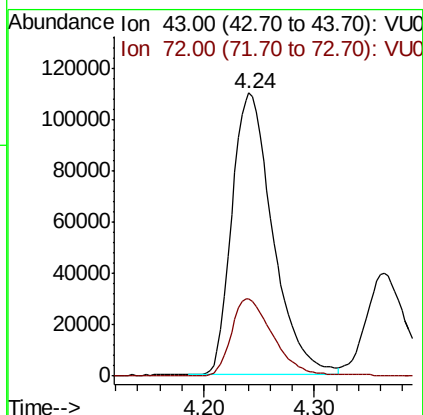
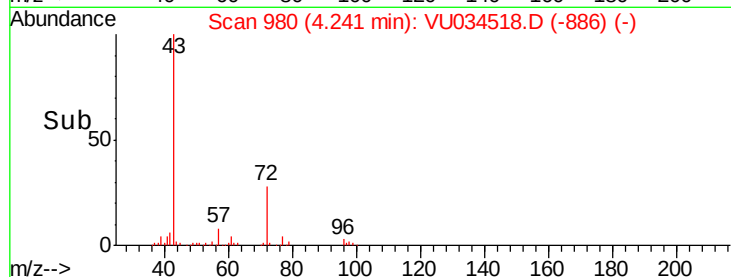
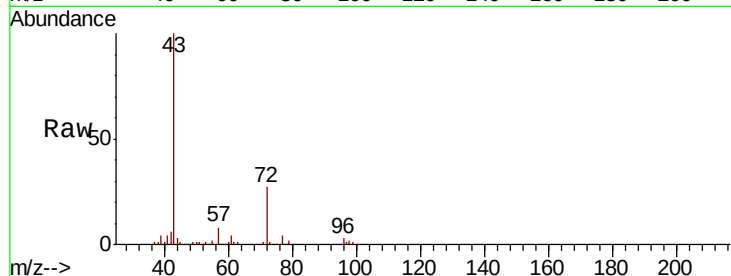




#25
2-Butanone
Concen: 114.884 ug/l
RT: 4.24 min Scan# 980
Delta R.T. 0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

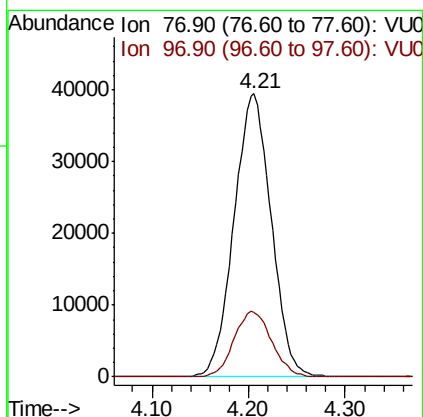
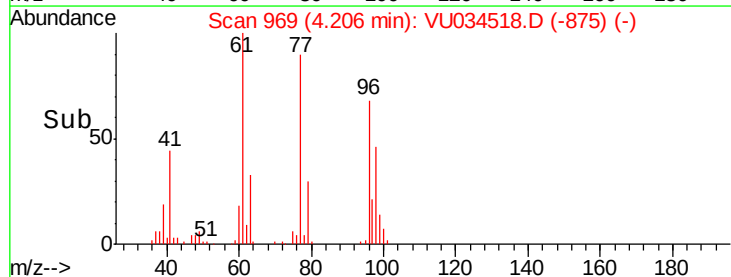
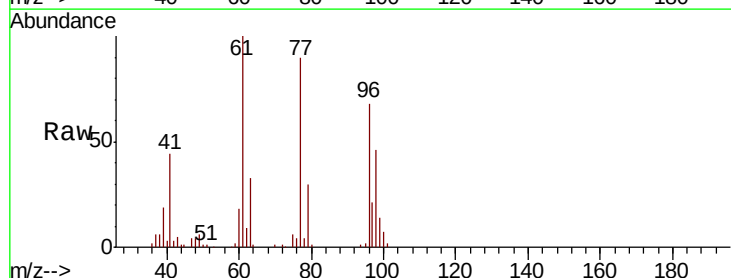
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD02

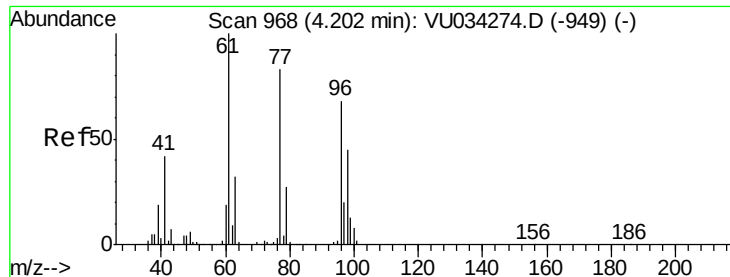
Tgt Ion: 43 Resp: 281737
Ion Ratio Lower Upper
43 100
72 27.5 21.8 32.6



#26
2,2-Dichloropropane
Concen: 23.065 ug/l
RT: 4.21 min Scan# 969
Delta R.T. 0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

Tgt Ion: 77 Resp: 105438
Ion Ratio Lower Upper
77 100
97 23.3 11.8 35.3



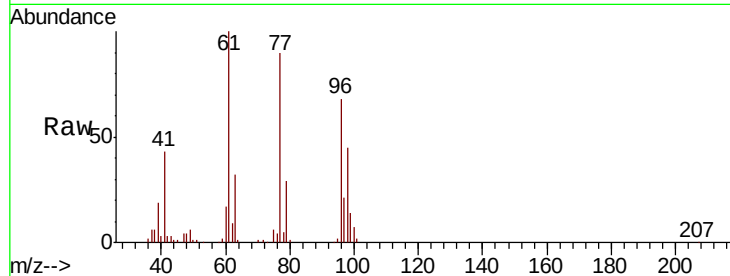


#27

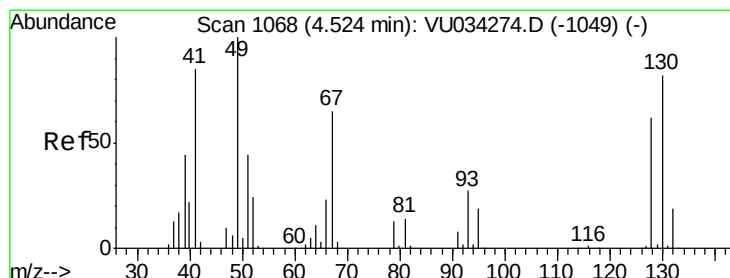
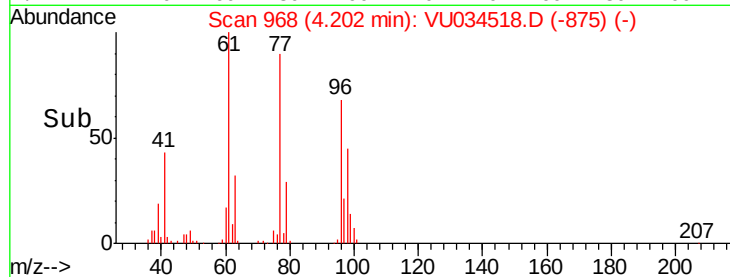
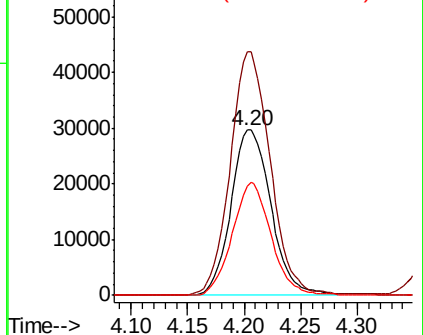
cis-1,2-Dichloroethene
 Concen: 22.379 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD02

Tgt Ion: 96 Resp: 73120
 Ion Ratio Lower Upper
 96 100
 61 147.1 0.0 297.4
 98 66.2 0.0 130.0



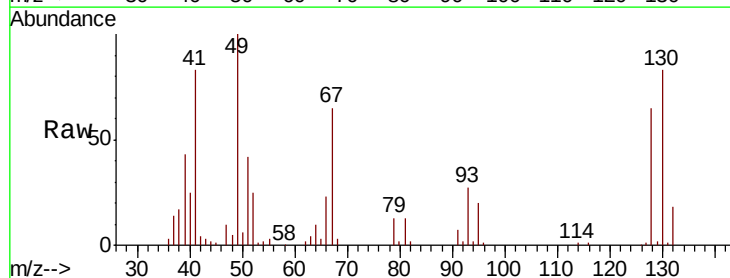
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



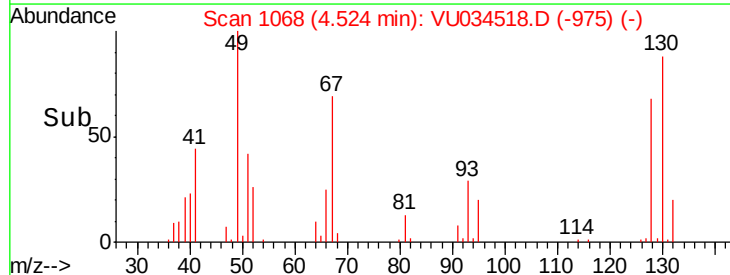
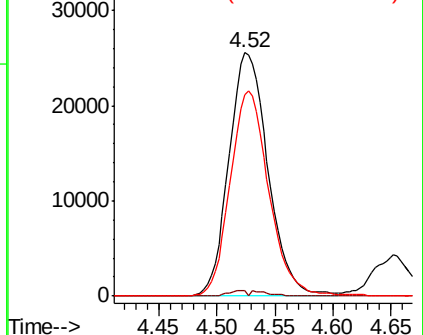
#28

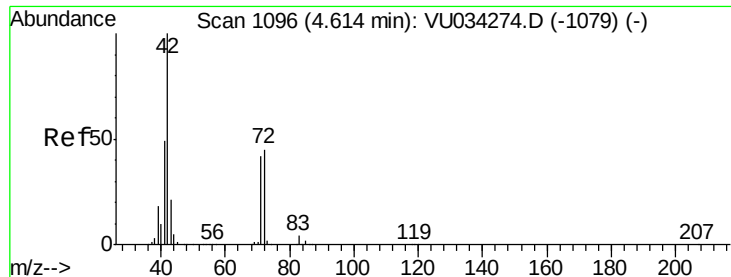
Bromochloromethane
 Concen: 22.827 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Tgt Ion: 49 Resp: 59677
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 3.8
 130 0.0 65.2 97.8#



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 116.341 ug/l

RT: 4.62 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD02

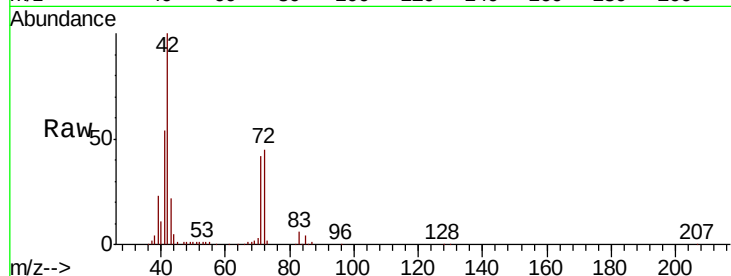
Tgt Ion: 42 Resp: 173612

Ion Ratio Lower Upper

42 100

72 45.2 36.6 54.8

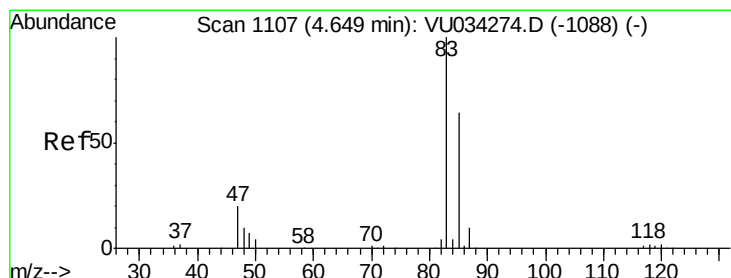
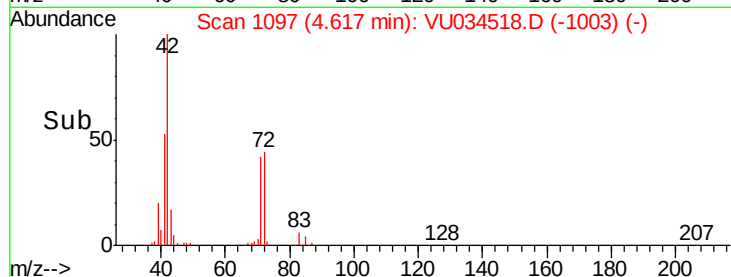
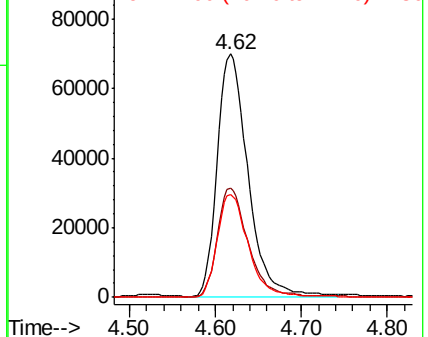
71 42.8 34.3 51.5



Abundance Ion 42.00 (41.70 to 42.70): VU034274.D (-1079) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-1079) (-)

Ion 71.00 (70.70 to 71.70): VU034274.D (-1079) (-)



#30

Chloroform

Concen: 22.570 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU034518.D

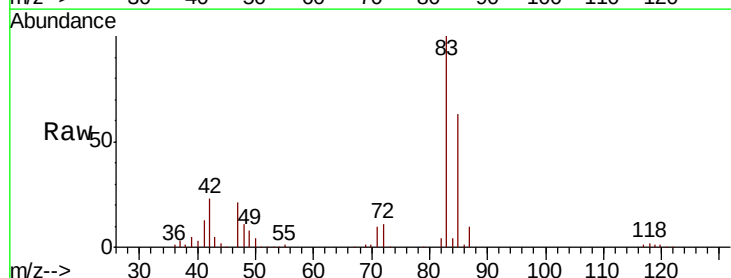
Acq: 12 Sep 2019 14:15

Tgt Ion: 83 Resp: 130398

Ion Ratio Lower Upper

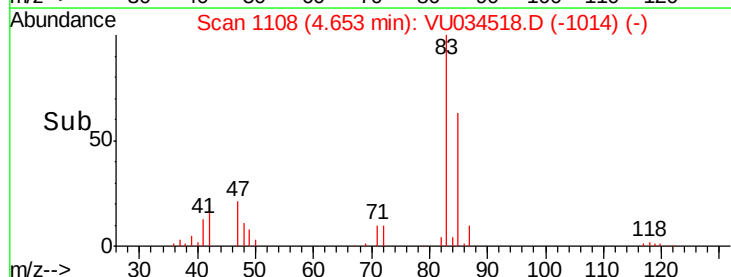
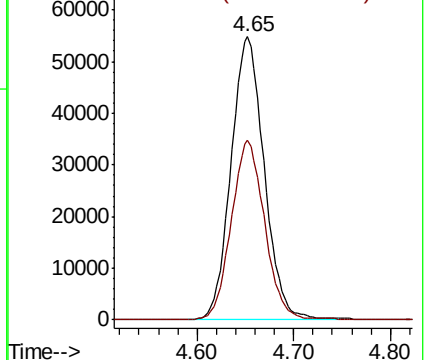
83 100

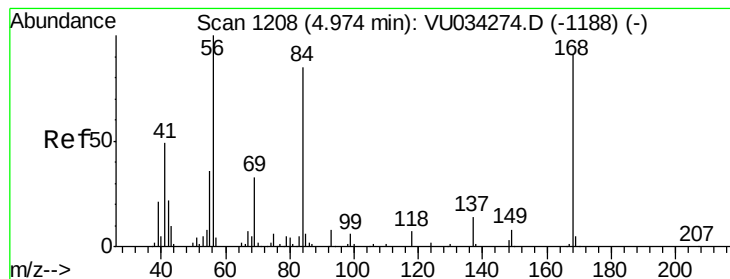
85 63.4 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU034274.D (-1088) (-)

Ion 84.90 (84.60 to 85.60): VU034274.D (-1088) (-)





#31

Cyclohexane

Concen: 19.973 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD02

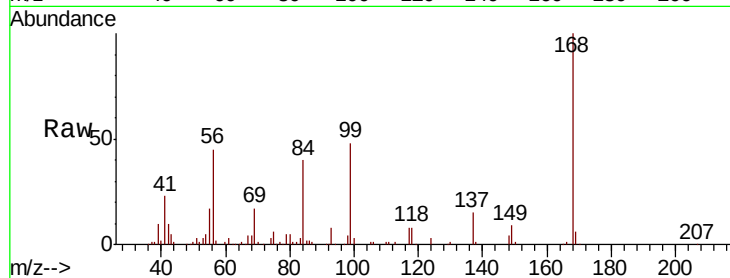
Tgt Ion: 56 Resp: 83055

Ion Ratio Lower Upper

56 100

69 37.7 26.7 40.1

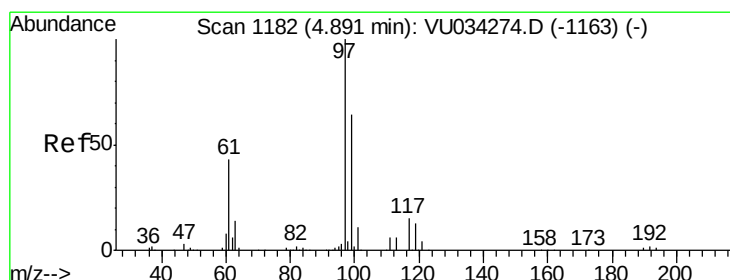
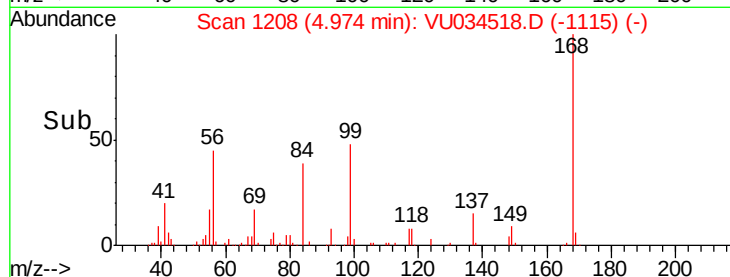
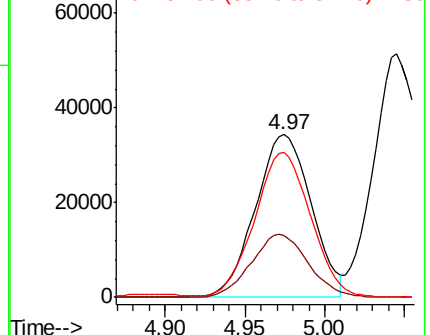
84 88.6 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 22.506 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

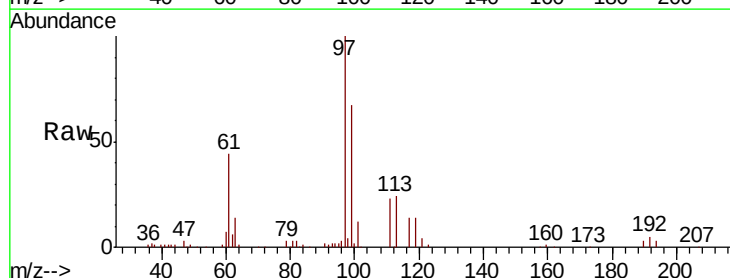
Tgt Ion: 97 Resp: 103962

Ion Ratio Lower Upper

97 100

99 64.2 50.9 76.3

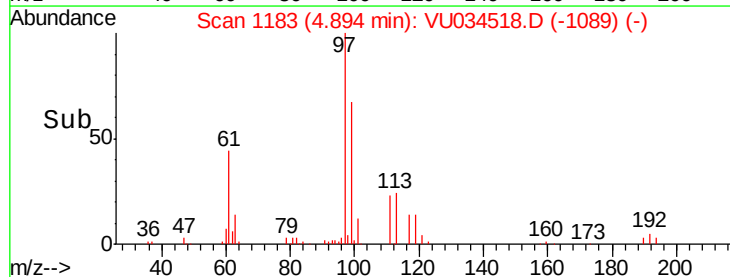
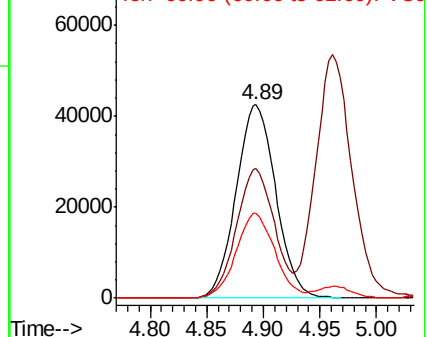
61 43.2 34.7 52.1

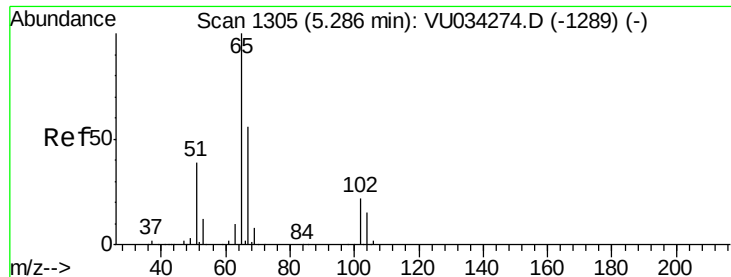


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

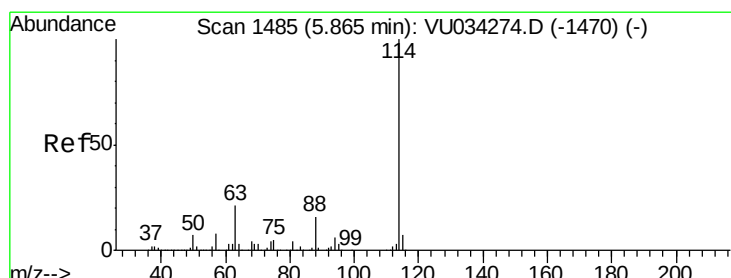
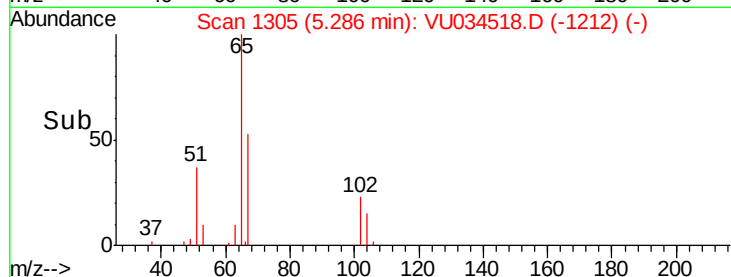
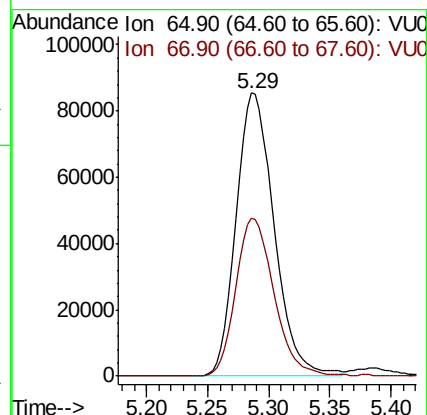
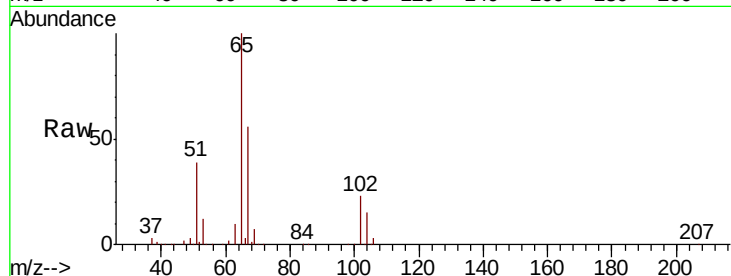




#33
 1,2-Dichloroethane-d4
 Concen: 52.041 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

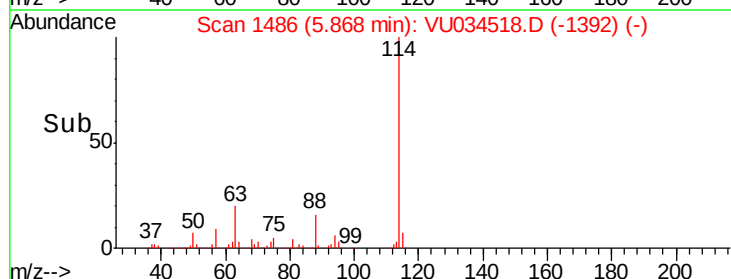
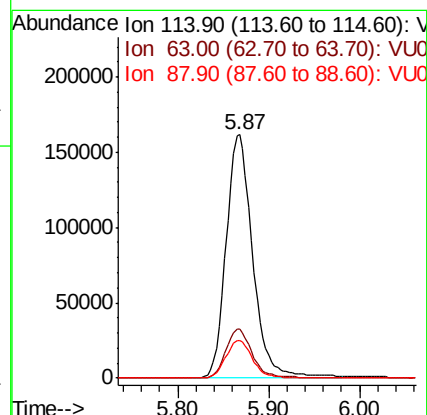
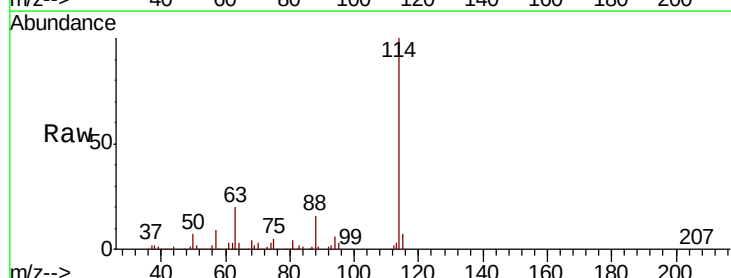
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD02

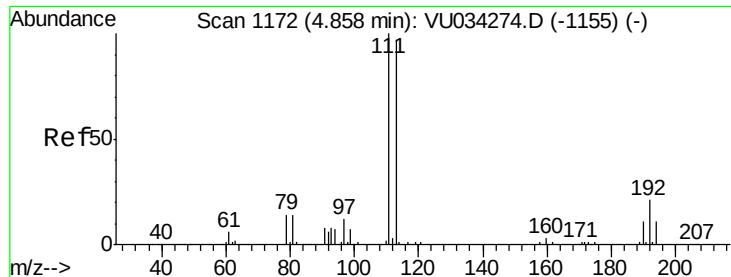
Tgt Ion: 65 Resp: 184749
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Tgt Ion: 114 Resp: 329342
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.4
 88 15.7 0.0 32.4

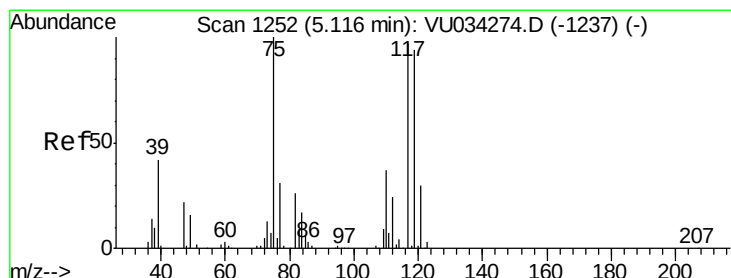
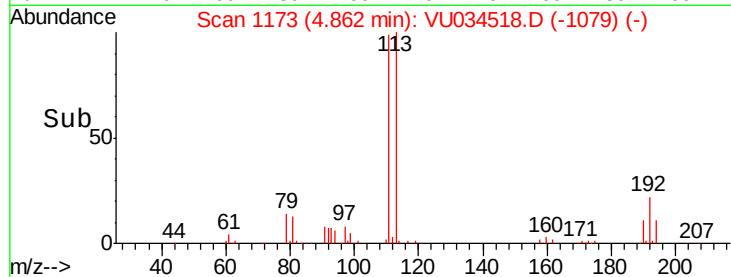
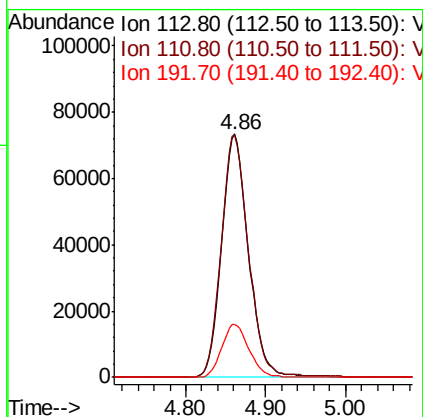
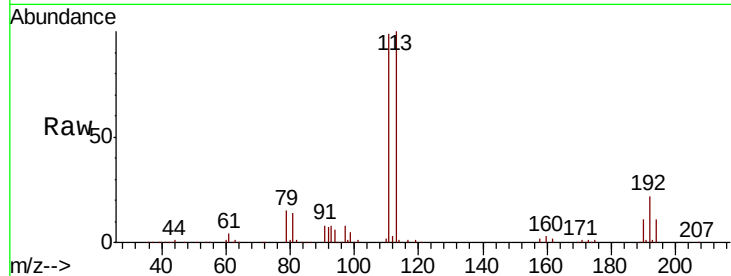




#35
 Dibromofluoromethane
 Concen: 55.179 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

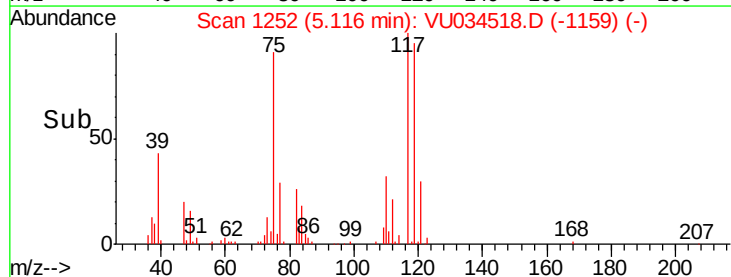
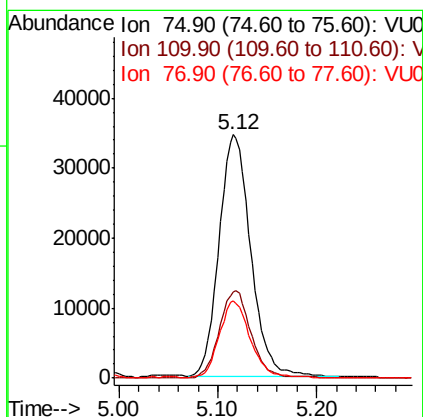
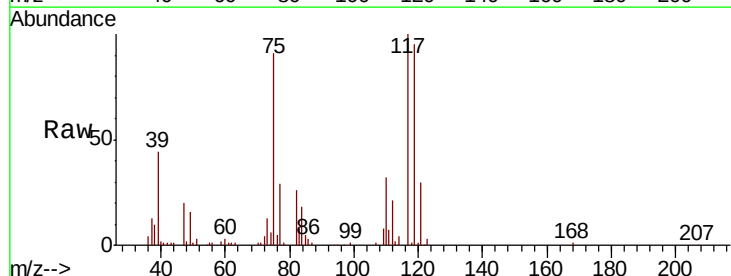
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD02

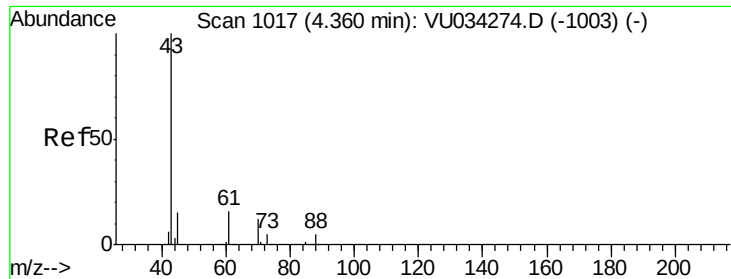
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.1	81.5	122.3
192	22.1	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 21.787 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.3	54.9
77	30.5	24.9	37.3

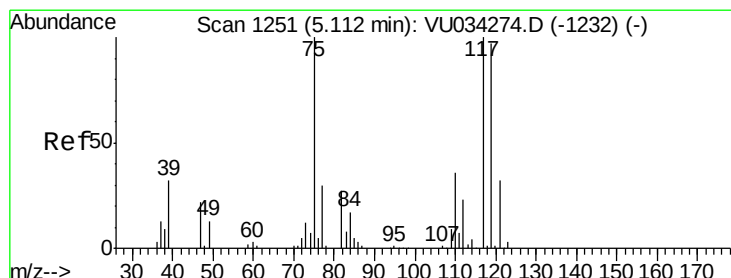
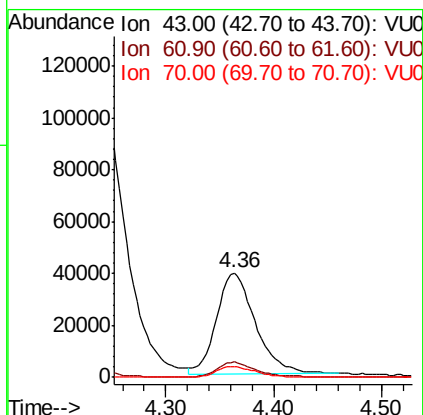
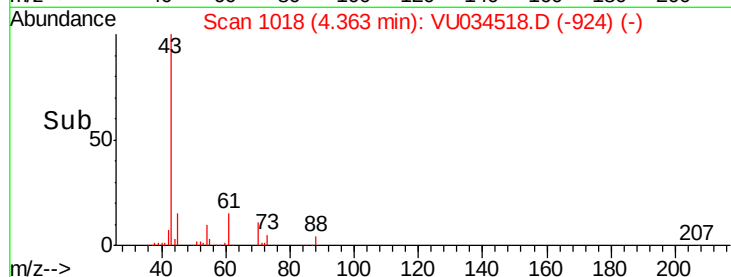
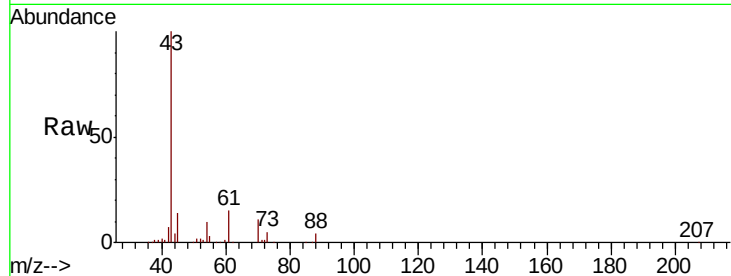




#37
Ethyl Acetate
Concen: 23.335 ug/l
RT: 4.36 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

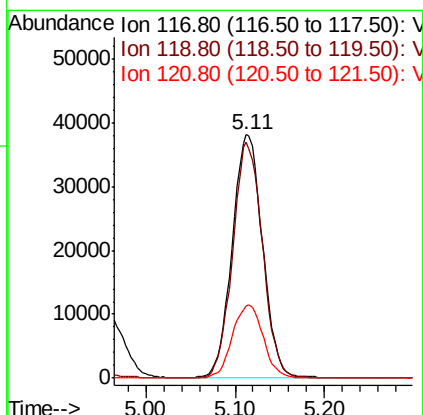
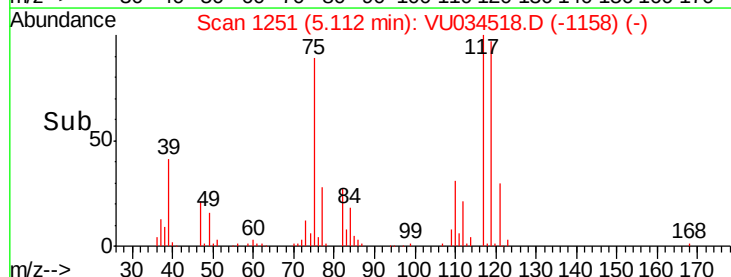
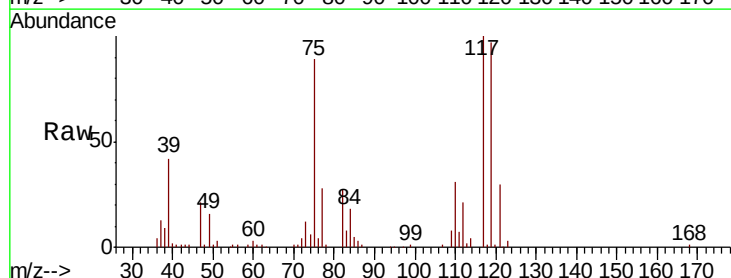
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD02

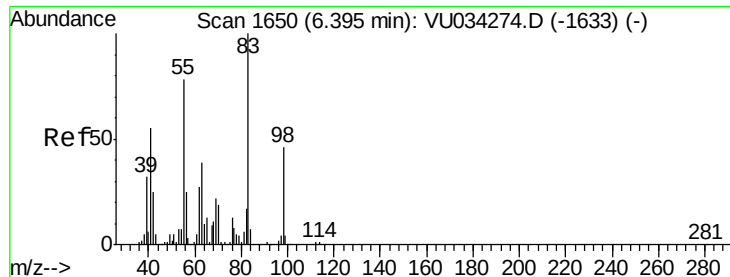
Tgt Ion: 43 Resp: 98541
Ion Ratio Lower Upper
43 100
61 13.6 12.3 18.5
70 11.0 9.1 13.7



#38
Carbon Tetrachloride
Concen: 23.575 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

Tgt Ion: 117 Resp: 89907
Ion Ratio Lower Upper
117 100
119 96.9 77.8 116.6
121 29.6 25.2 37.8

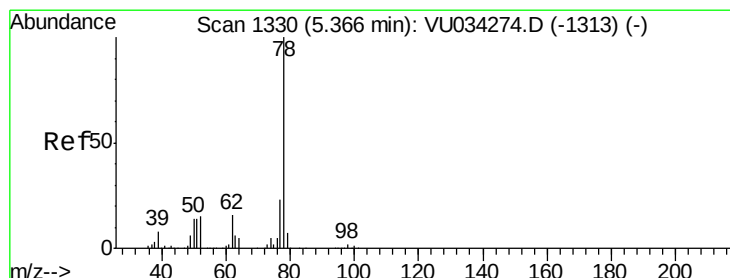
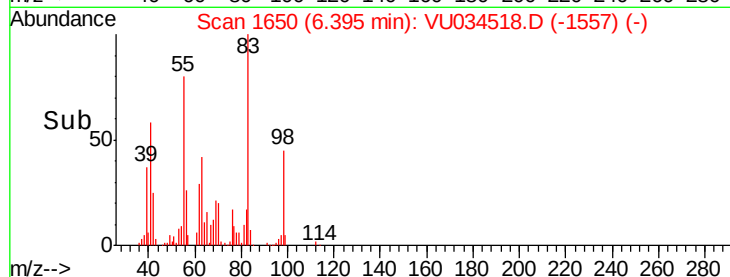
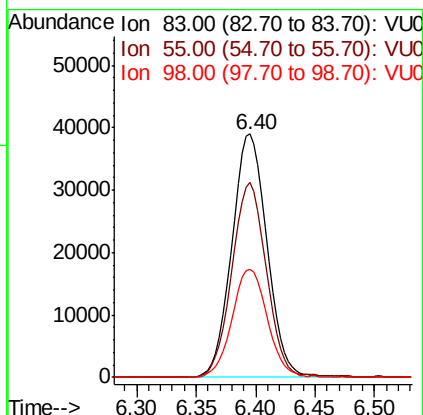
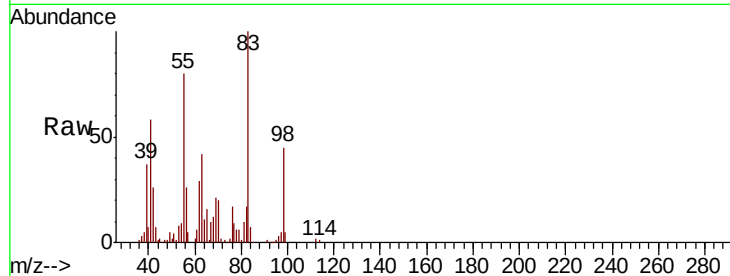




#39
Methylcyclohexane
Concen: 20.920 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

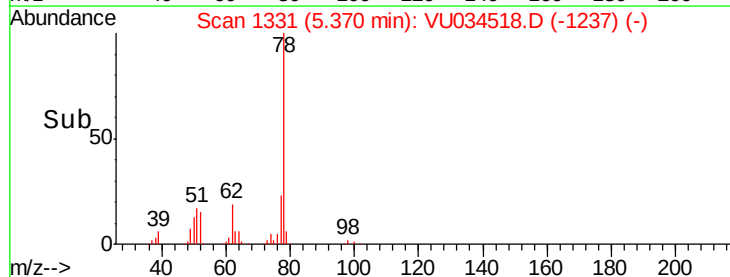
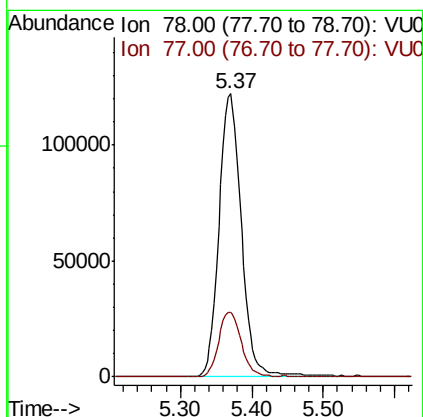
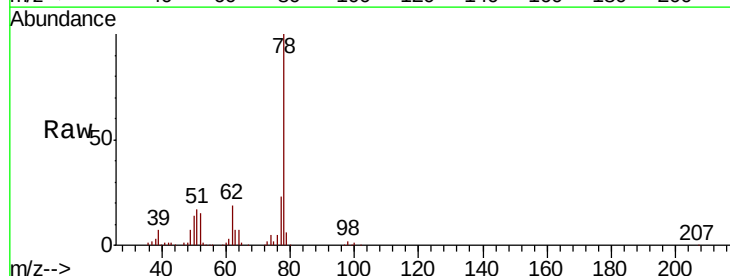
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD02

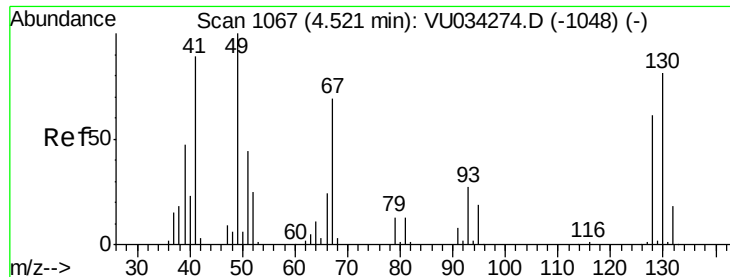
Tgt Ion: 83 Resp: 79876
Ion Ratio Lower Upper
83 100
55 80.1 62.1 93.1
98 44.5 37.0 55.6



#40
Benzene
Concen: 23.151 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

Tgt Ion: 78 Resp: 266822
Ion Ratio Lower Upper
78 100
77 22.9 18.7 28.1

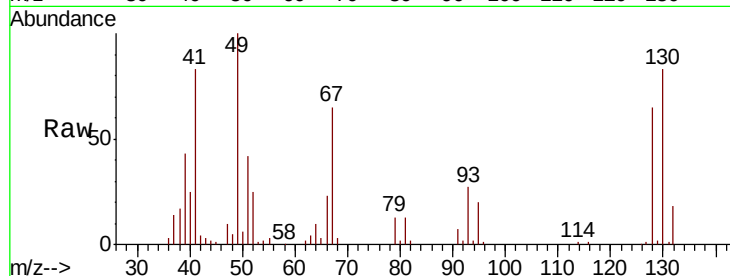




#41
Methacrylonitrile
Concen: 23.815 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD02

Tgt Ion:	41	Resp:	53569
Ion	Ratio	Lower	Upper
41	100		
39	52.1	41.0	61.4
67	77.1	62.4	93.6
52	29.0	23.6	35.4



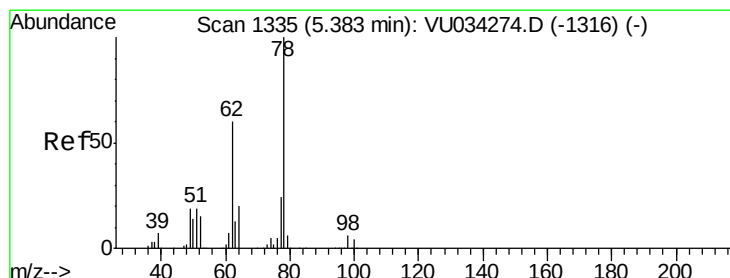
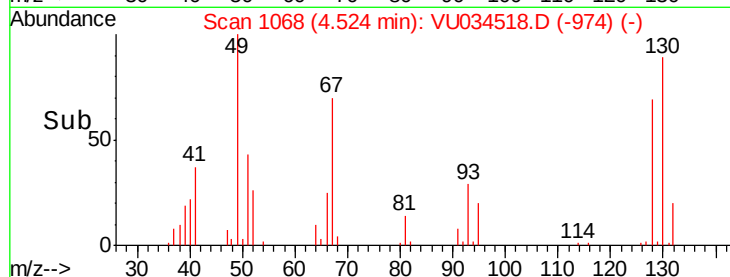
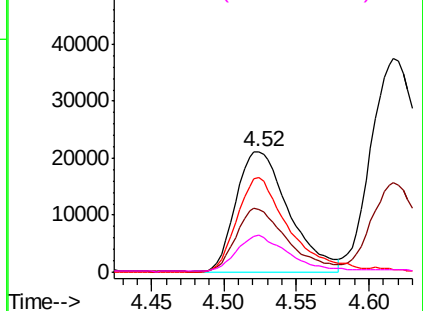
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

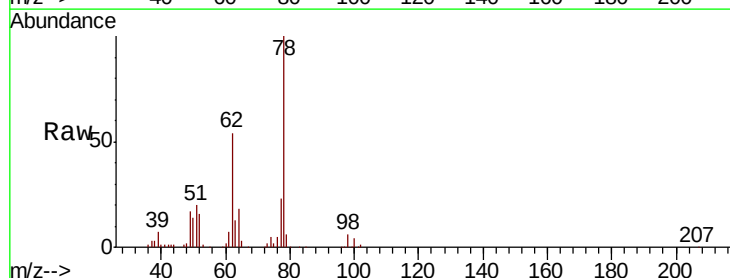
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 23.433 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

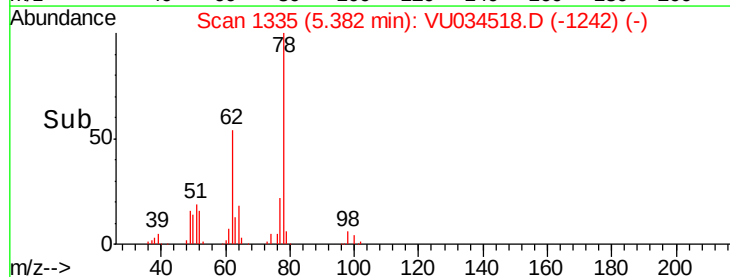
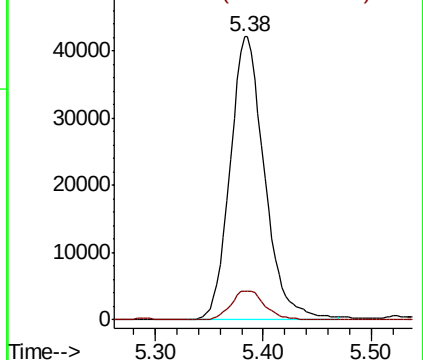
Tgt Ion:	62	Resp:	93765
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.0

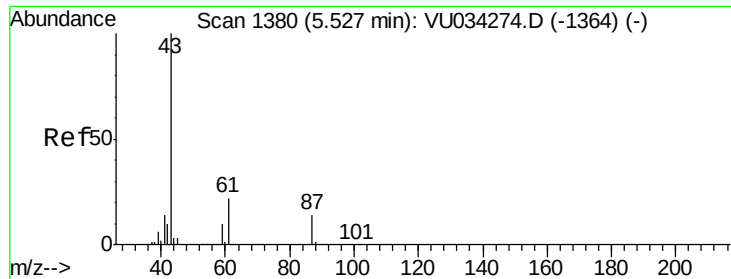


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 23.264 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD02

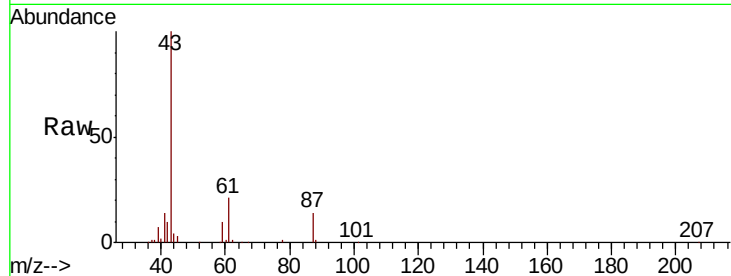
Tgt Ion: 43 Resp: 153255

Ion Ratio Lower Upper

43 100

61 21.3 17.1 25.7

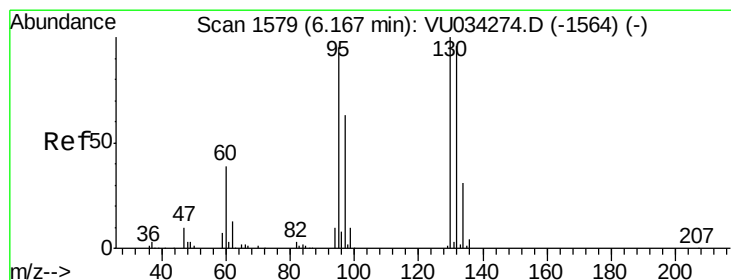
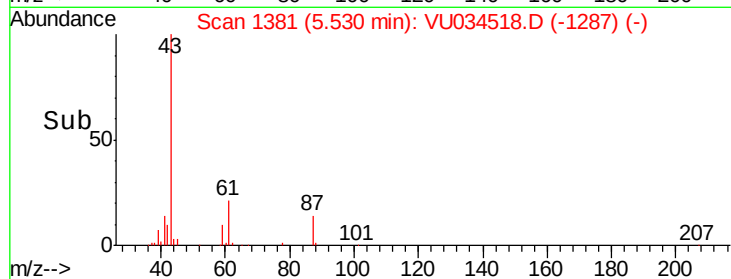
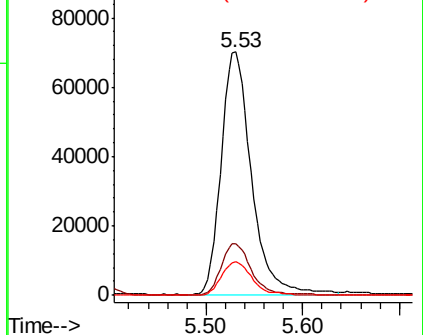
87 14.1 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-1364) (-)

Ion 61.00 (60.70 to 61.70): VU034274.D (-1364) (-)

Ion 87.00 (86.70 to 87.70): VU034274.D (-1364) (-)



#44

Trichloroethene

Concen: 22.891 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VU034518.D

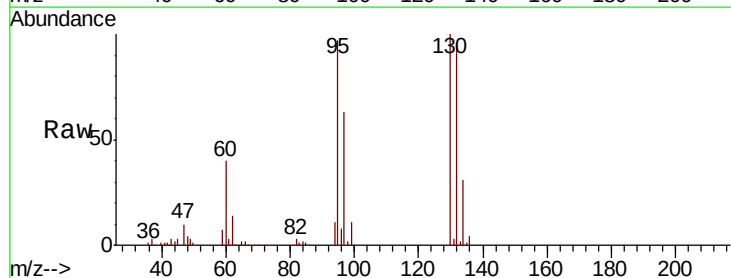
Acq: 12 Sep 2019 14:15

Tgt Ion: 130 Resp: 73005

Ion Ratio Lower Upper

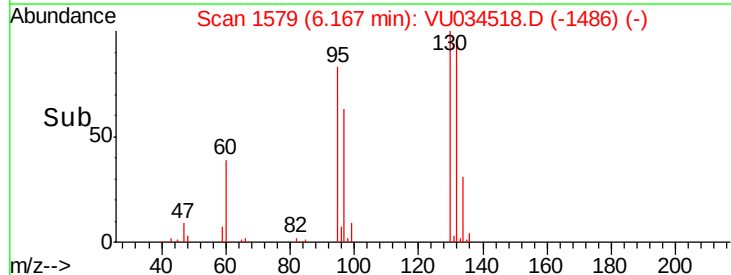
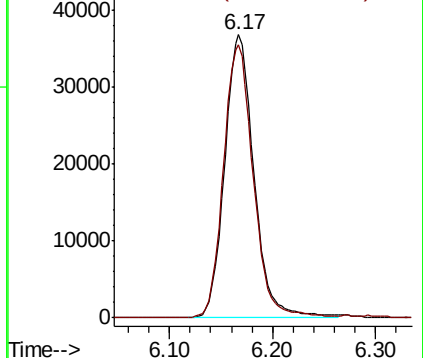
130 100

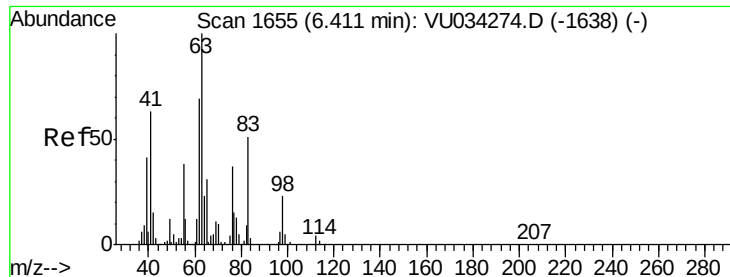
95 96.6 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034274.D (-1564) (-)

Ion 94.90 (94.60 to 95.60): VU034274.D (-1564) (-)





#45

1,2-Dichloropropane

Concen: 22.903 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

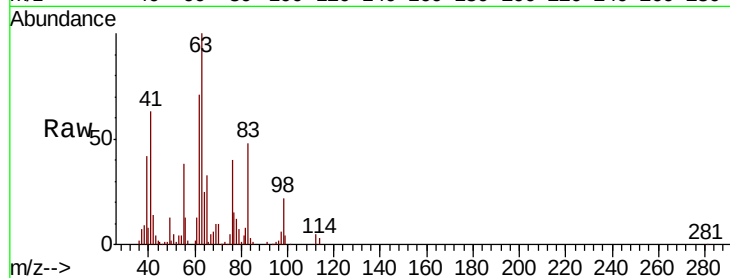
VU0912WBSD02

Tgt Ion: 63 Resp: 77167

Ion Ratio Lower Upper

63 100

65 33.4 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VU034518.D (-1638) (-)

Ion 64.90 (64.60 to 65.60): VU034518.D (-1638) (-)

6.41

40000

30000

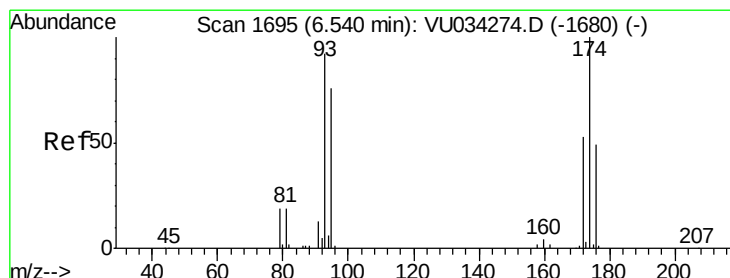
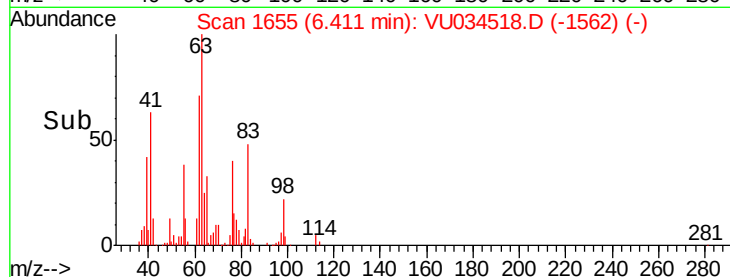
20000

10000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 23.679 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

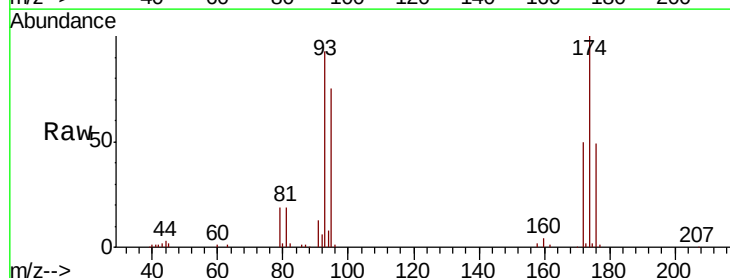
Tgt Ion: 93 Resp: 50080

Ion Ratio Lower Upper

93 100

95 83.8 66.5 99.7

174 110.8 87.8 131.6



Abundance Ion 92.80 (92.50 to 93.50): VU034518.D (-1680) (-)

Ion 94.80 (94.50 to 95.50): VU034518.D (-1680) (-)

Ion 173.70 (173.40 to 174.40): VU034518.D (-1680) (-)

6.54

40000

30000

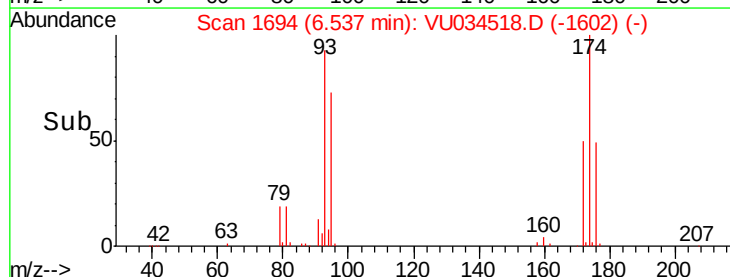
20000

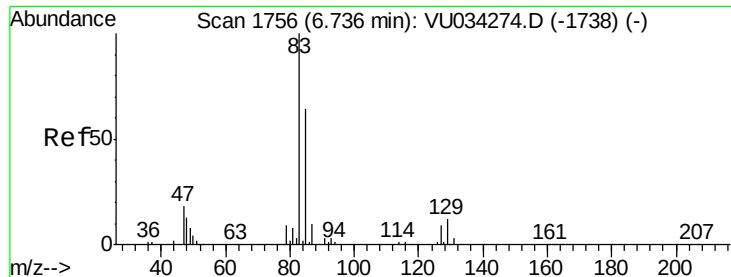
10000

0

6.45 6.50 6.55 6.60 6.65

Time-->





#47

Bromodichloromethane

Concen: 23.665 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD02

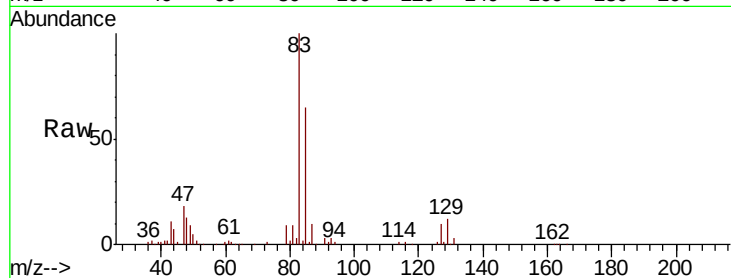
Tgt Ion: 83 Resp: 103021

Ion Ratio Lower Upper

83 100

85 64.7 51.1 76.7

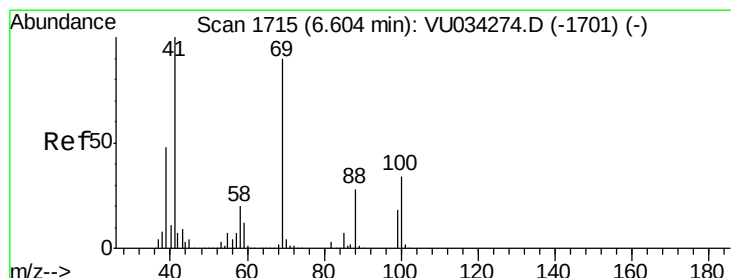
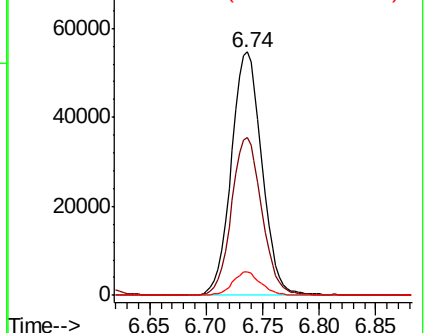
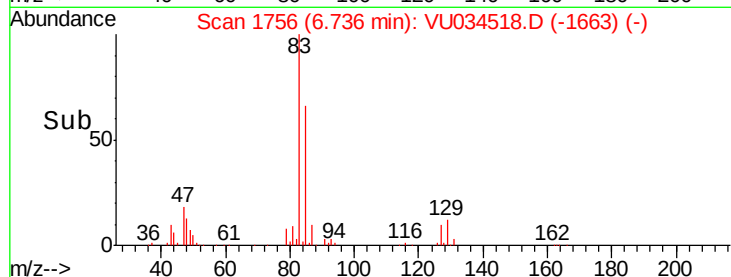
127 9.8 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU034518.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034518.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034518.D (-1663) (-)



#48

Methyl methacrylate

Concen: 22.082 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

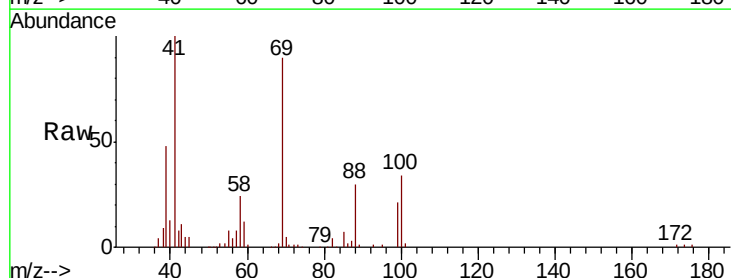
Tgt Ion: 41 Resp: 69092

Ion Ratio Lower Upper

41 100

69 92.5 72.8 109.2

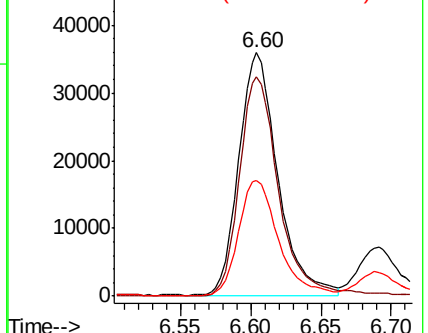
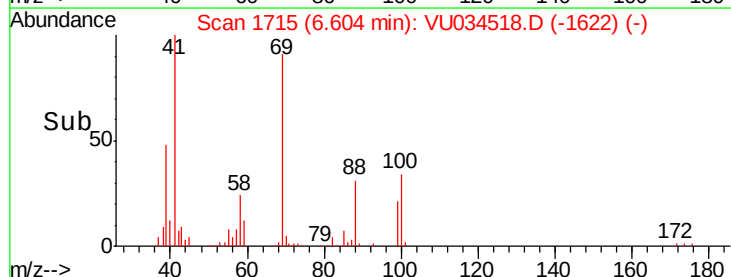
39 49.6 38.6 58.0

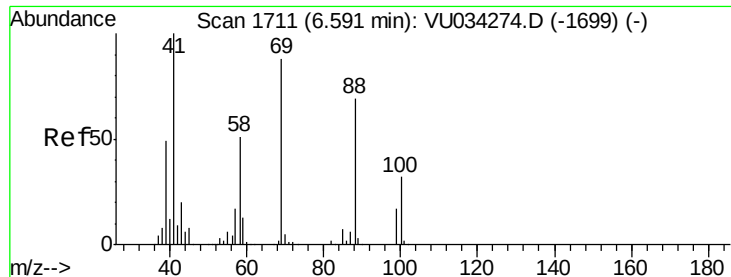


Abundance Ion 41.00 (40.70 to 41.70): VU034518.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU034518.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU034518.D (-1622) (-)

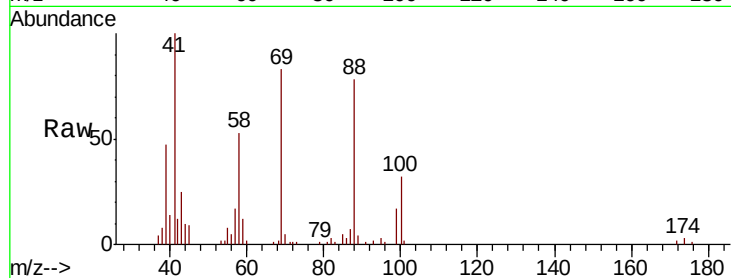




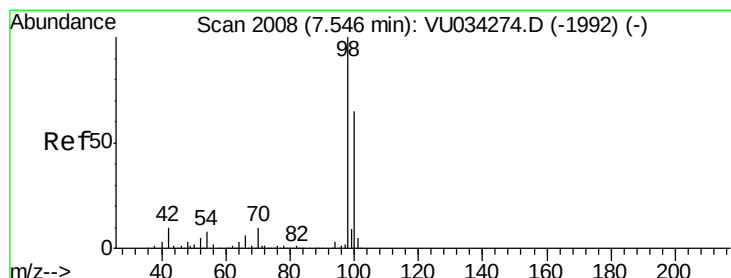
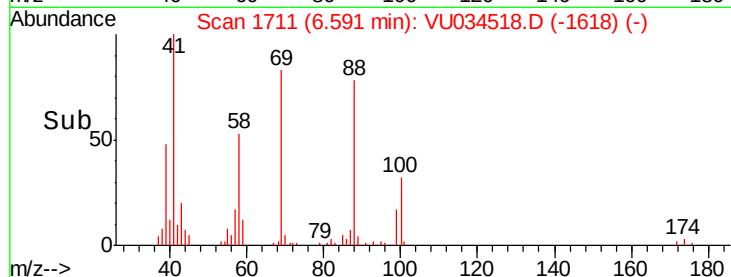
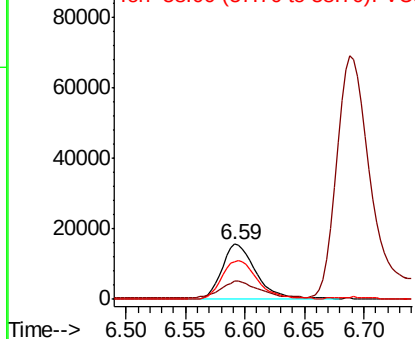
#49
1,4-Dioxane
Concen: 460.318 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD02

Tgt Ion: 88 Resp: 31451
Ion Ratio Lower Upper
88 100
43 33.0 23.8 35.6
58 73.5 58.4 87.6

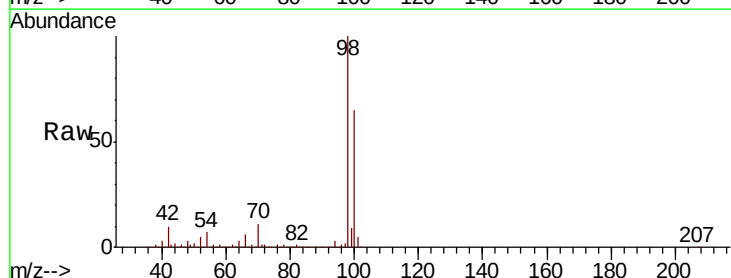


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

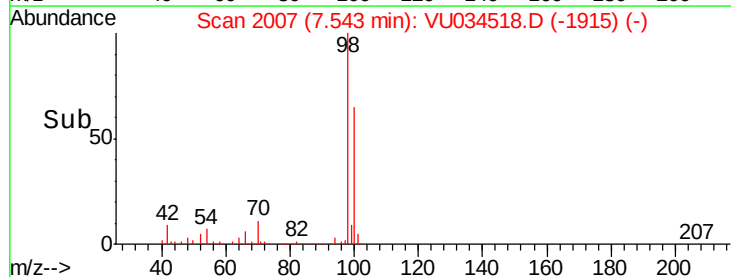
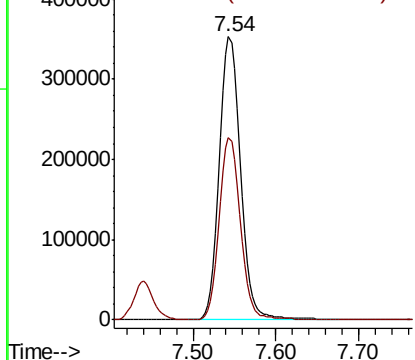


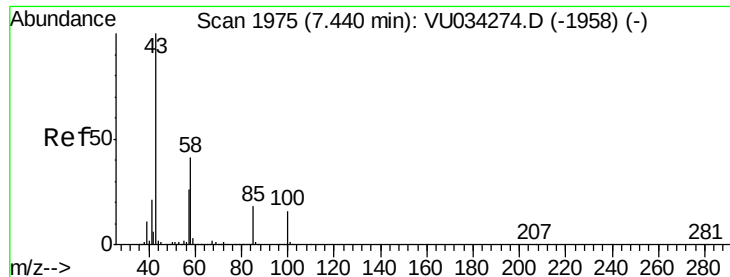
#50
Toluene-d8
Concen: 54.519 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

Tgt Ion: 98 Resp: 627708
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 116.951 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

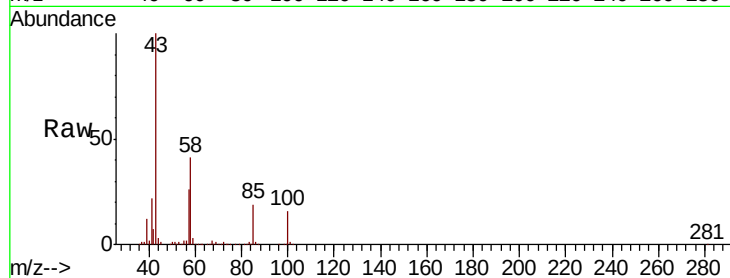
VU0912WBSD02

Tgt Ion: 43 Resp: 533302

Ion Ratio Lower Upper

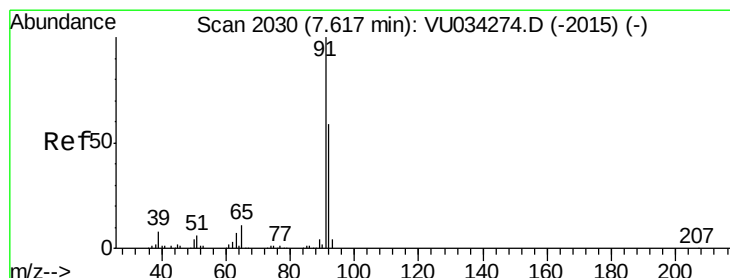
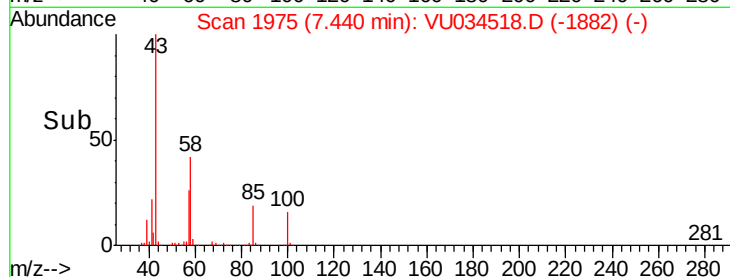
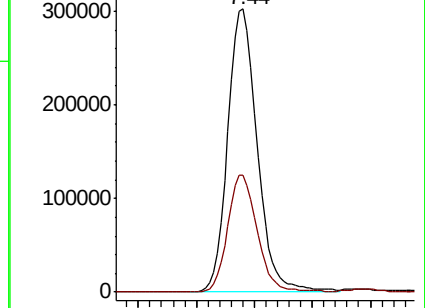
43 100

58 41.5 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-1958) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-1958) (-)



#52

Toluene

Concen: 23.166 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034518.D

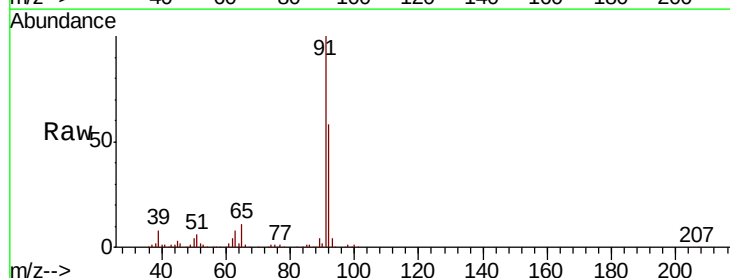
Acq: 12 Sep 2019 14:15

Tgt Ion: 92 Resp: 167488

Ion Ratio Lower Upper

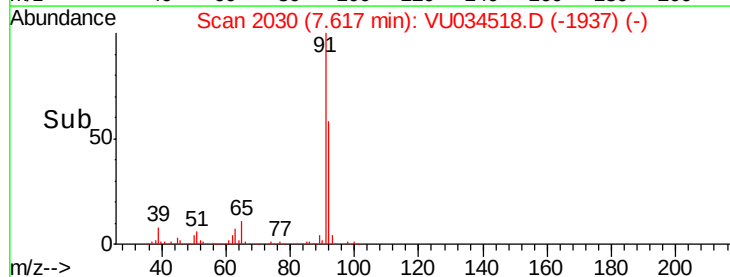
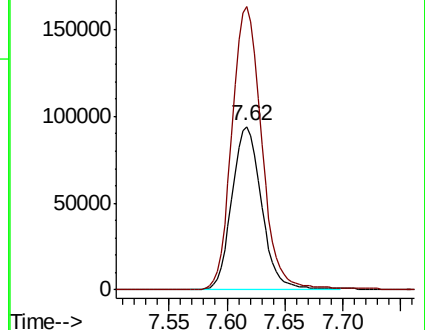
92 100

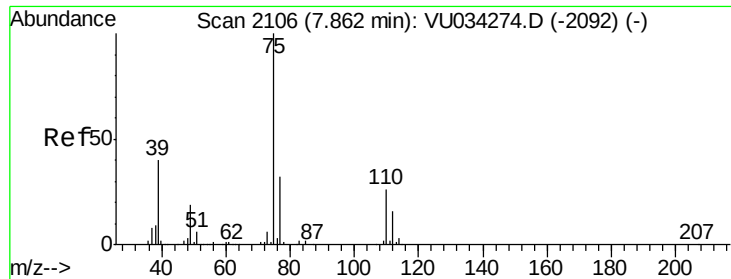
91 174.0 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU034274.D (-2015) (-)

Ion 91.00 (90.70 to 91.70): VU034274.D (-2015) (-)

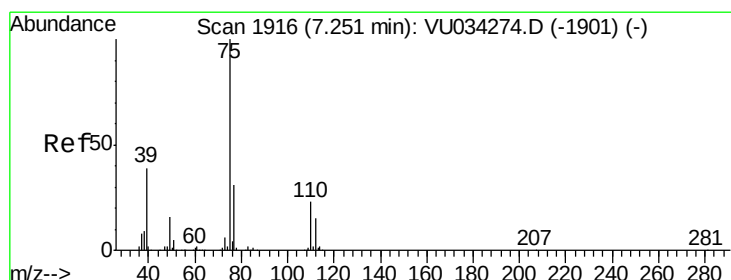
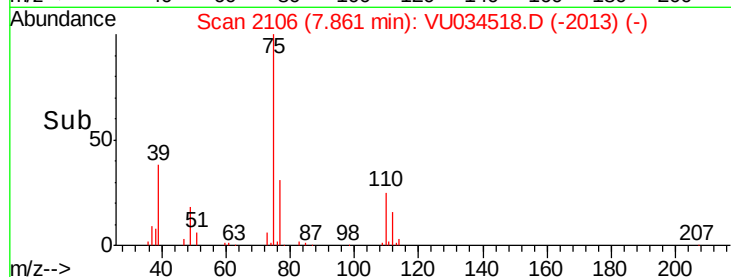
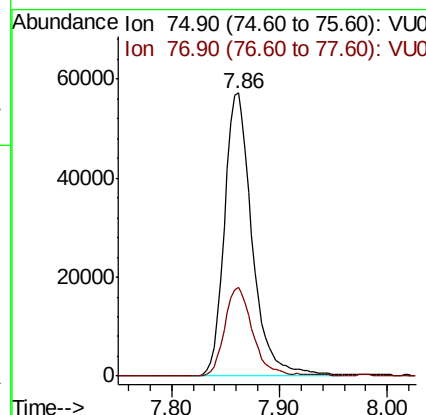
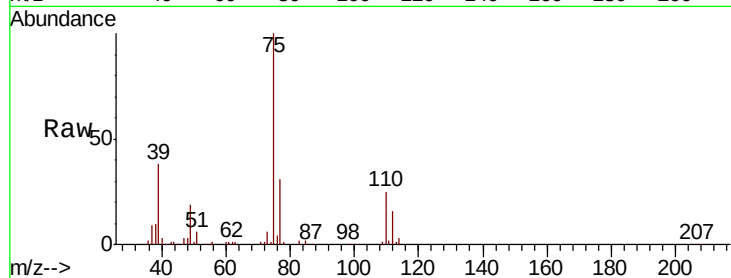




#53
t-1,3-Dichloropropene
Concen: 22.677 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. -0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

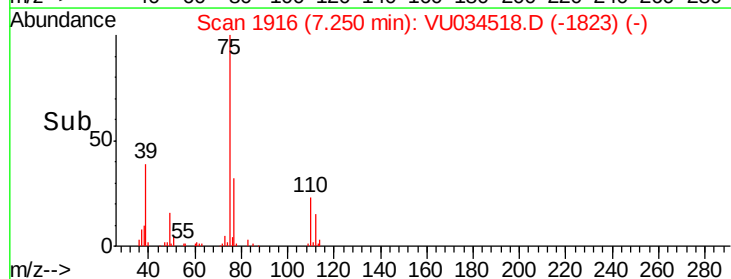
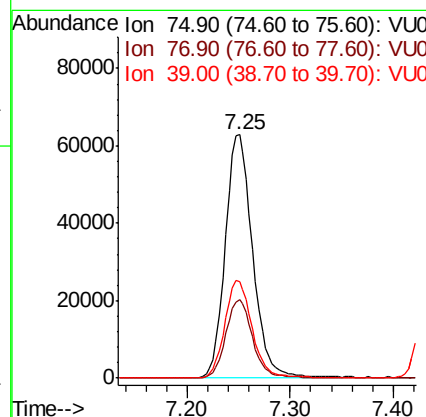
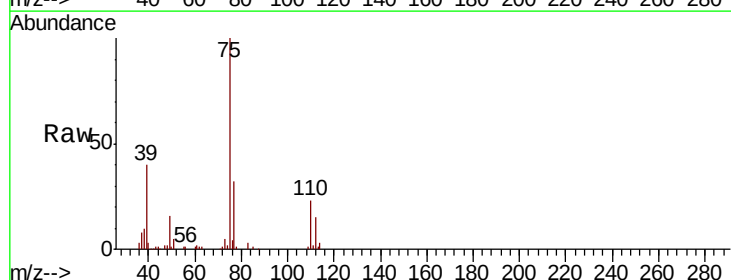
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD02

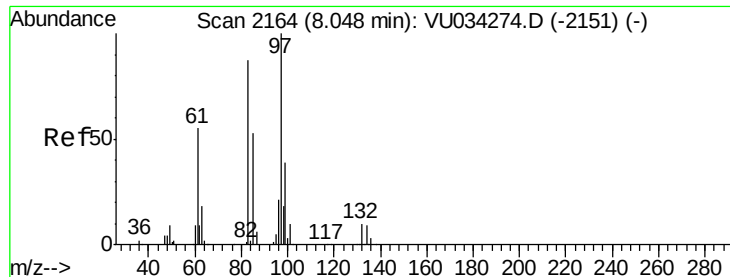
Tgt Ion: 75 Resp: 102337
Ion Ratio Lower Upper
75 100
77 31.2 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 23.519 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

Tgt Ion: 75 Resp: 116491
Ion Ratio Lower Upper
75 100
77 32.2 25.1 37.7
39 39.7 31.2 46.8

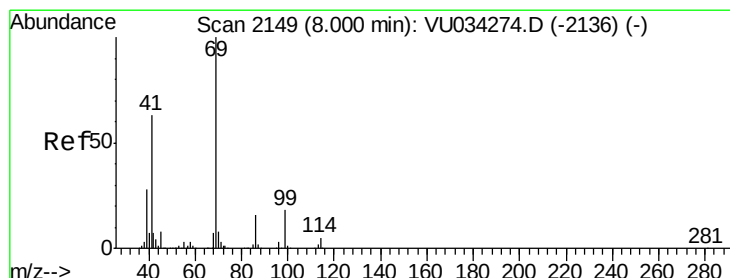
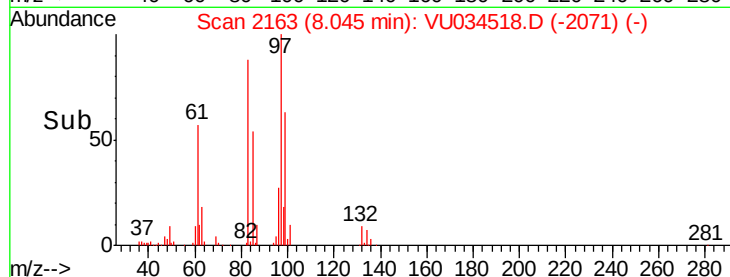
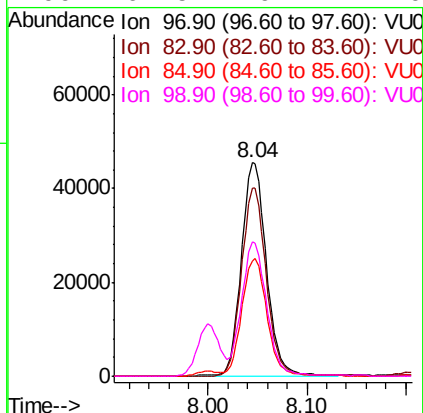
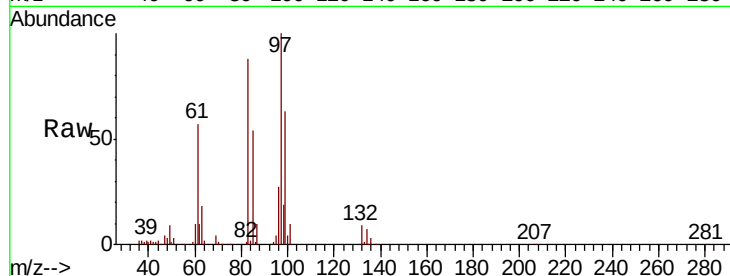




#55
 1,1,2-Trichloroethane
 Concen: 24.529 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

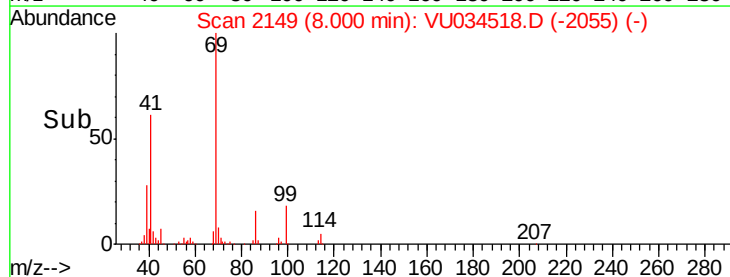
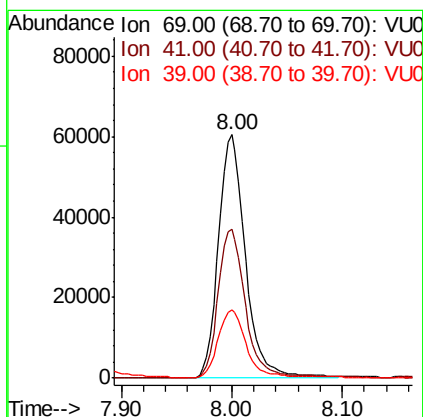
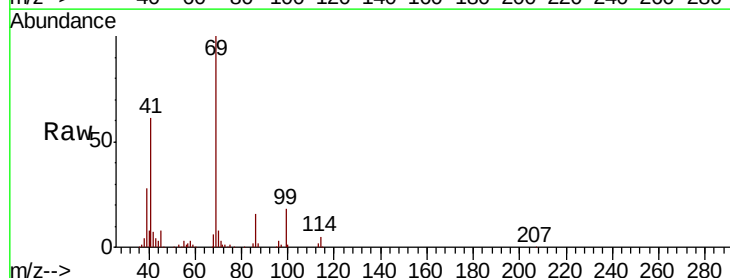
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD02

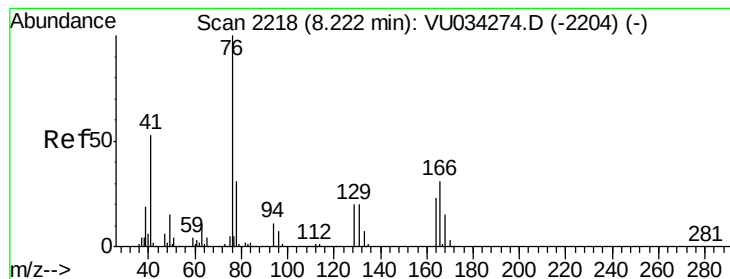
Tgt Ion:	97	Resp:	80525
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.0	103.6
85	53.9	44.2	66.2
99	62.5	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 22.395 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Tgt Ion:	69	Resp:	102670
Ion	Ratio	Lower	Upper
69	100		
41	61.3	49.5	74.3
39	28.3	22.5	33.7





#57

1,3-Dichloropropane

Concen: 23.379 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

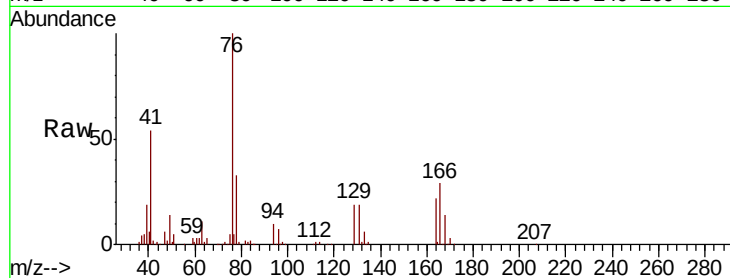
VU0912WBSD02

Tgt Ion: 76 Resp: 124977

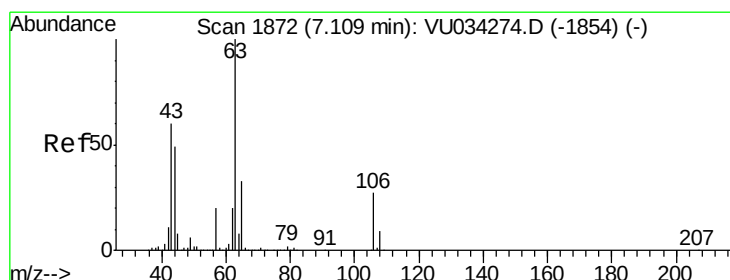
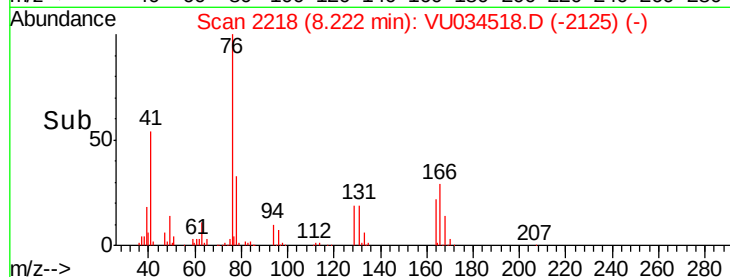
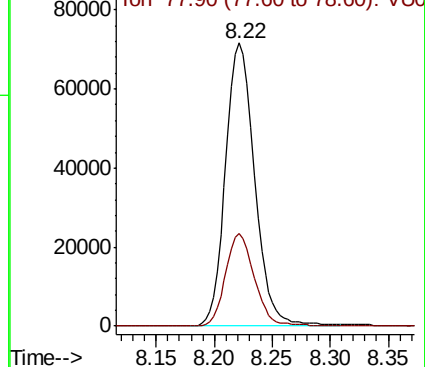
Ion Ratio Lower Upper

76 100

78 32.4 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU034518.D (-2125) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 101.065 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034518.D

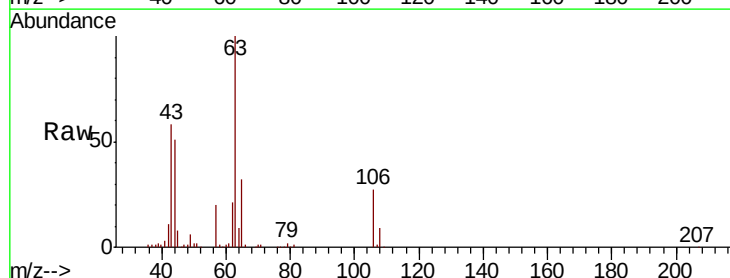
Acq: 12 Sep 2019 14:15

Tgt Ion: 63 Resp: 152646

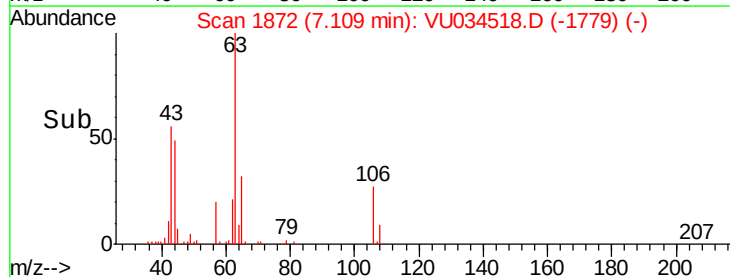
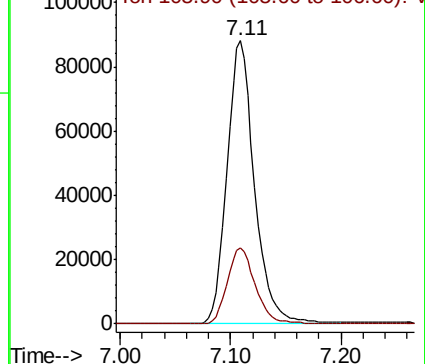
Ion Ratio Lower Upper

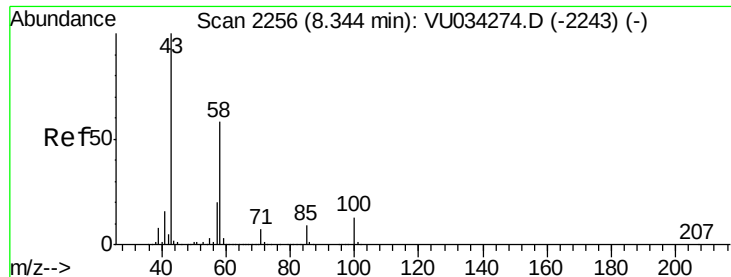
63 100

106 27.3 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU034518.D (-1779) (-)

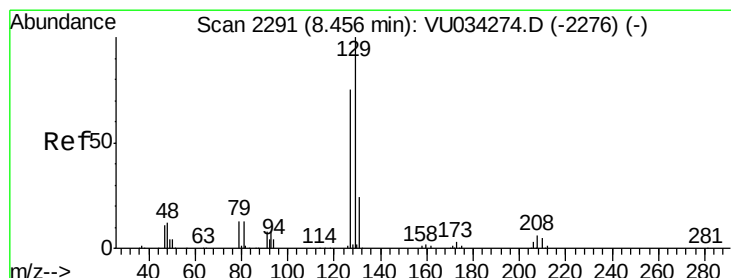
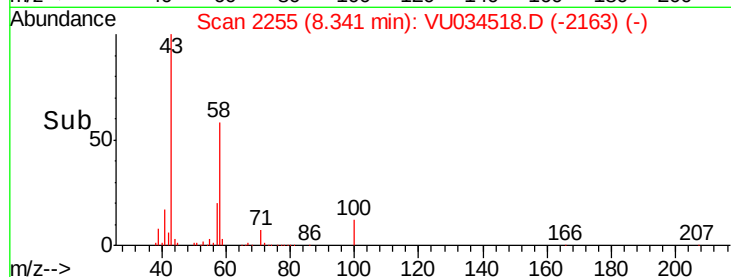
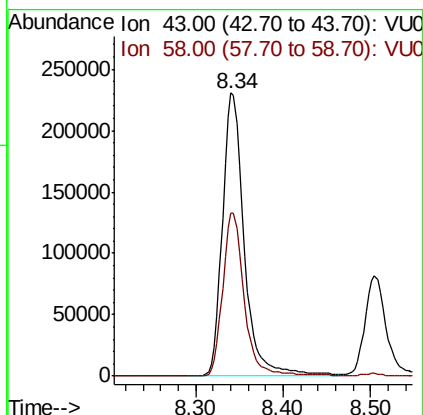
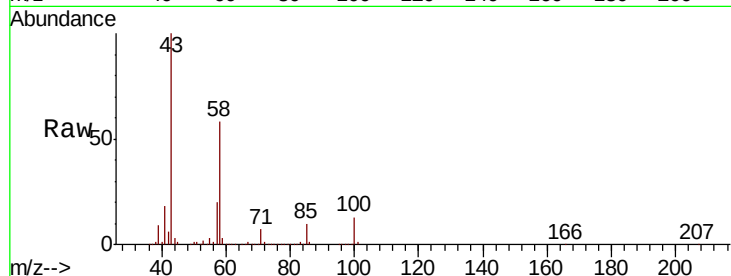




#59
2-Hexanone
Concen: 117.134 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

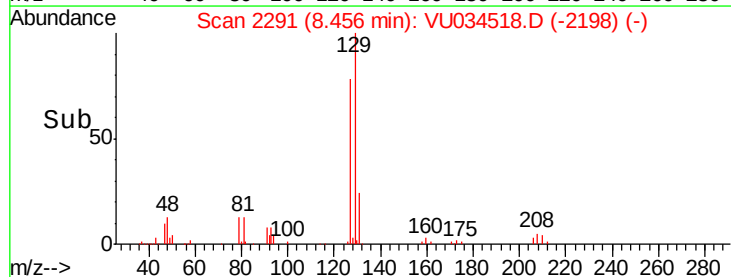
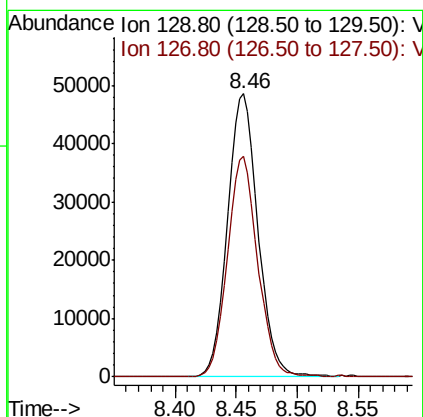
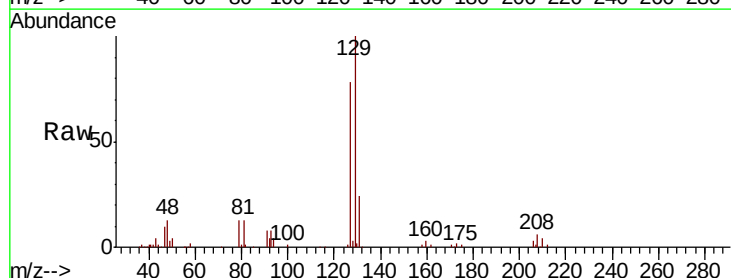
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD02

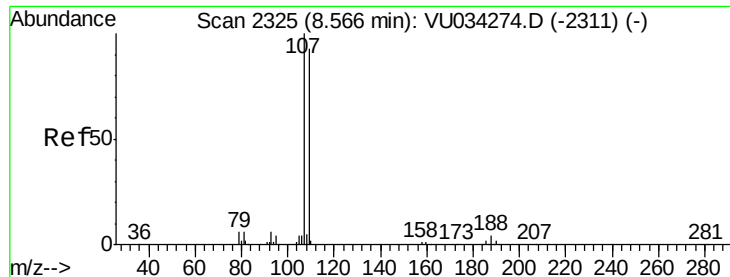
Tgt Ion: 43 Resp: 399028
Ion Ratio Lower Upper
43 100
58 57.4 28.8 86.5



#60
Dibromochloromethane
Concen: 24.045 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

Tgt Ion: 129 Resp: 84668
Ion Ratio Lower Upper
129 100
127 77.6 37.9 113.7





#61

1,2-Dibromoethane

Concen: 23.497 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

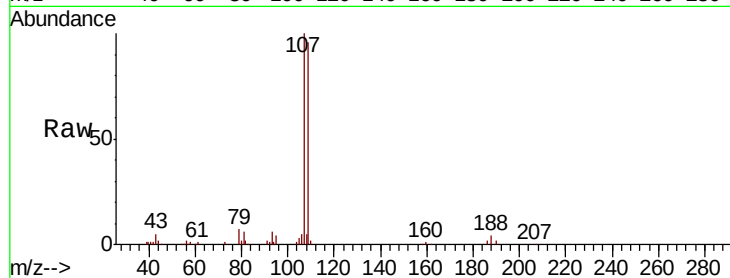
VU0912WBSD02

Tgt Ion: 107 Resp: 75500

Ion Ratio Lower Upper

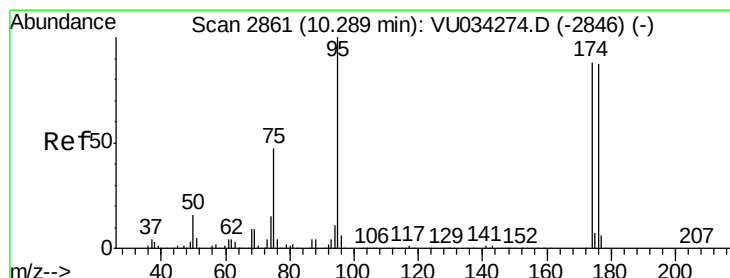
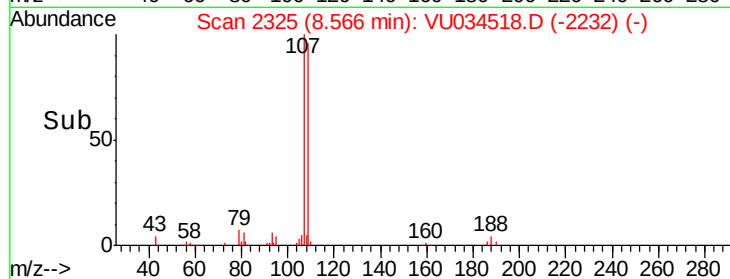
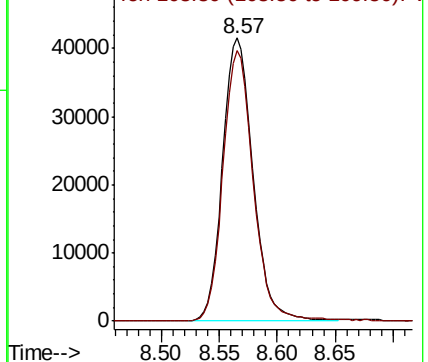
107 100

109 95.4 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.408 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

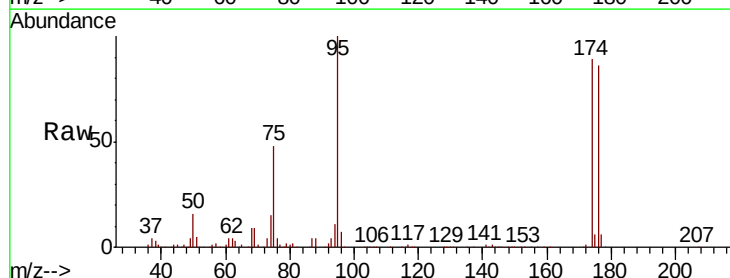
Tgt Ion: 95 Resp: 232969

Ion Ratio Lower Upper

95 100

174 89.5 0.0 175.2

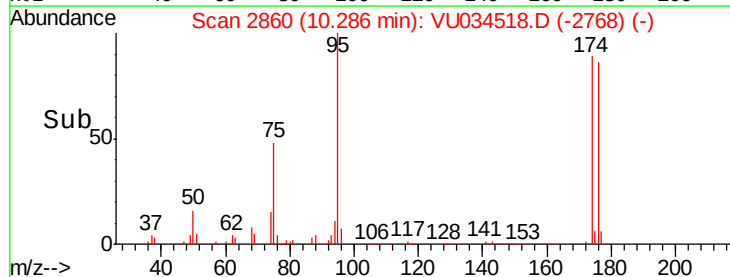
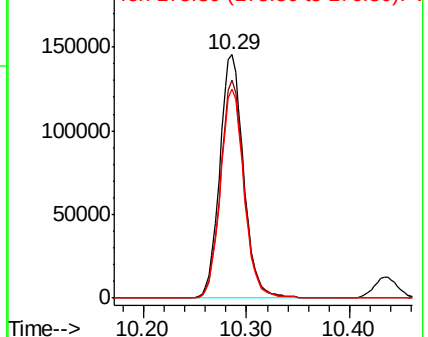
176 85.1 0.0 168.0

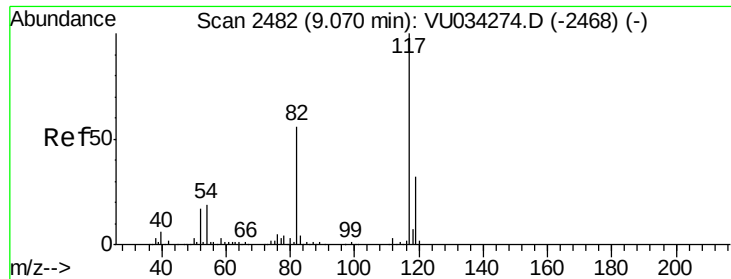


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

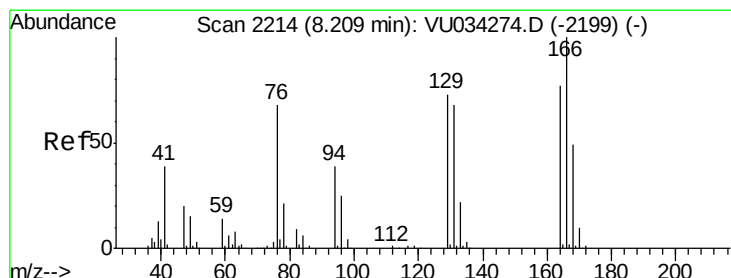
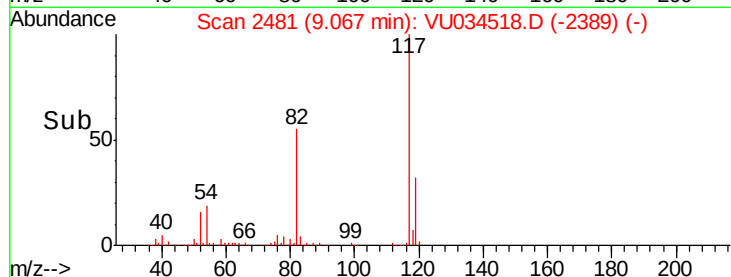
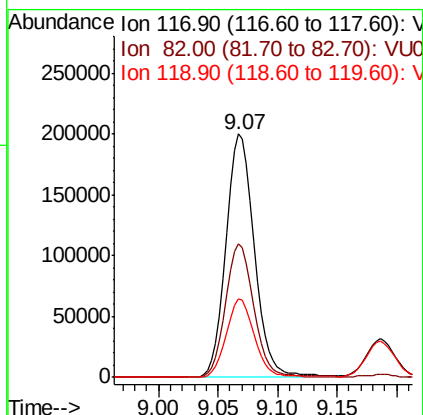
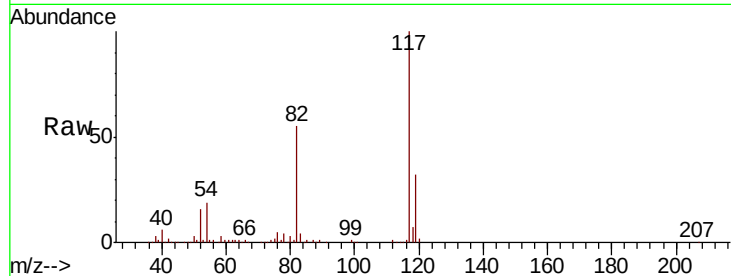




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

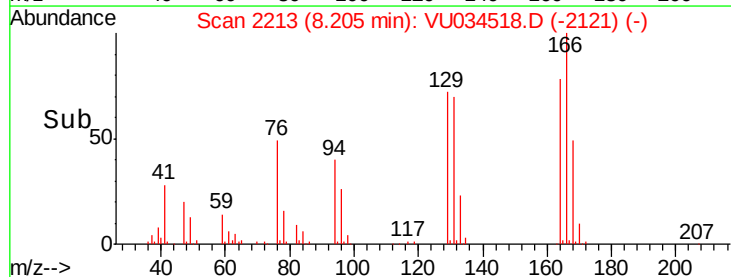
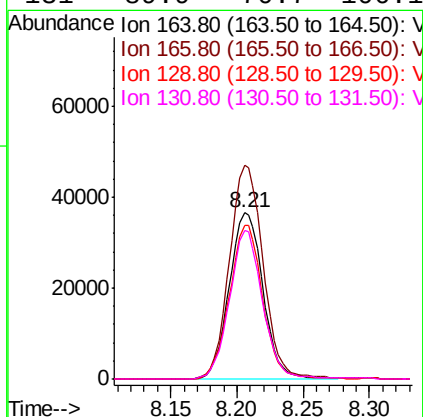
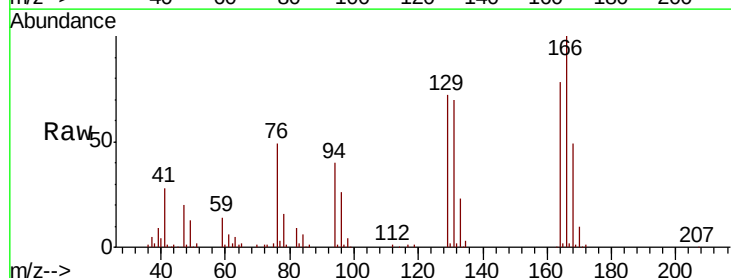
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD02

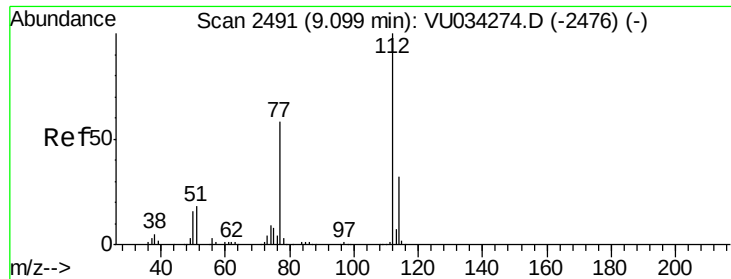
Tgt Ion:117 Resp: 332901
Ion Ratio Lower Upper
117 100
82 54.8 44.6 67.0
119 32.1 25.9 38.9



#64
Tetrachloroethene
Concen: 22.431 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

Tgt Ion:164 Resp: 64782
Ion Ratio Lower Upper
164 100
166 128.8 103.7 155.5
129 92.7 75.8 113.8
131 89.9 70.7 106.1

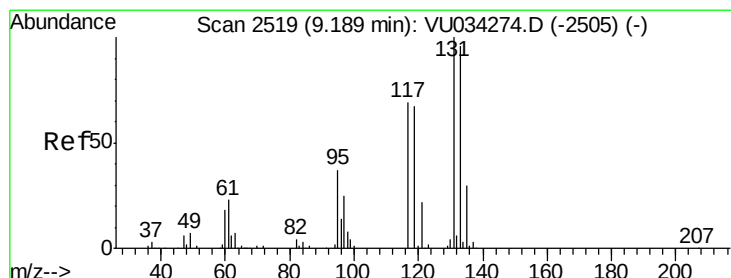
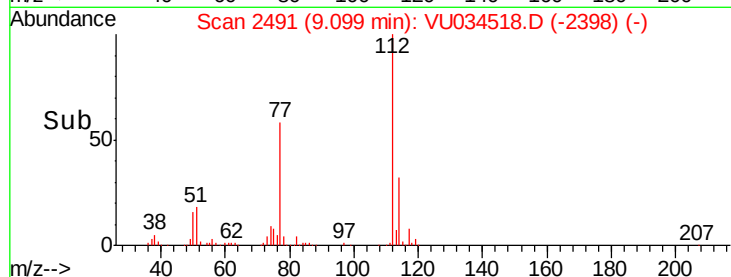
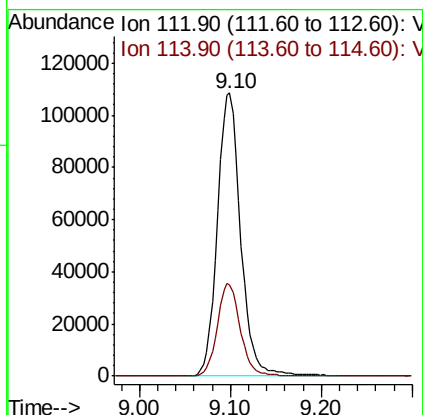
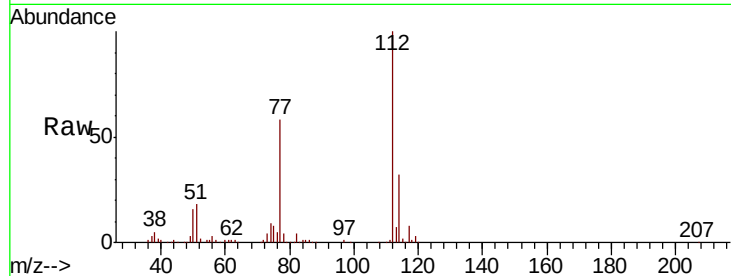




#65
Chlorobenzene
Concen: 22.847 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

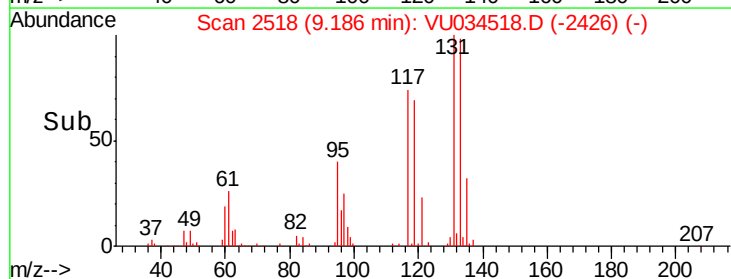
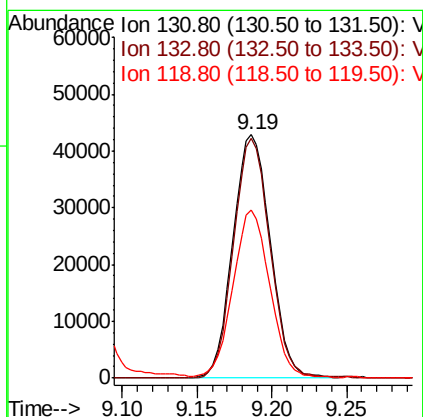
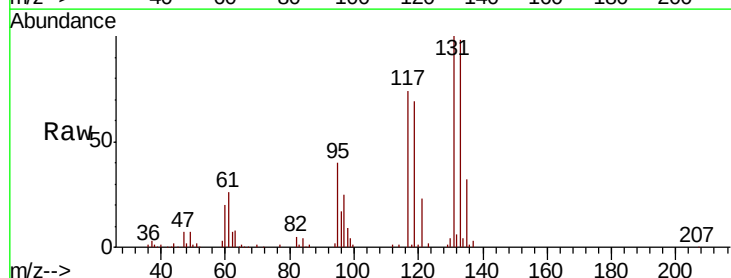
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD02

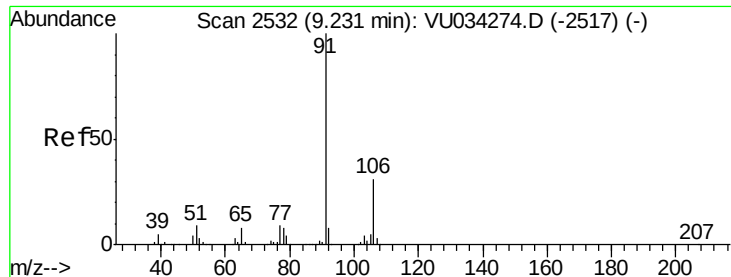
Tgt Ion:112 Resp: 192965
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 23.194 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

Tgt Ion:131 Resp: 74760
Ion Ratio Lower Upper
131 100
133 96.4 47.9 143.7
119 67.2 33.1 99.5

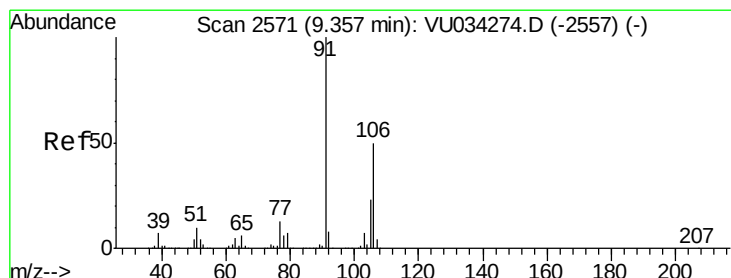
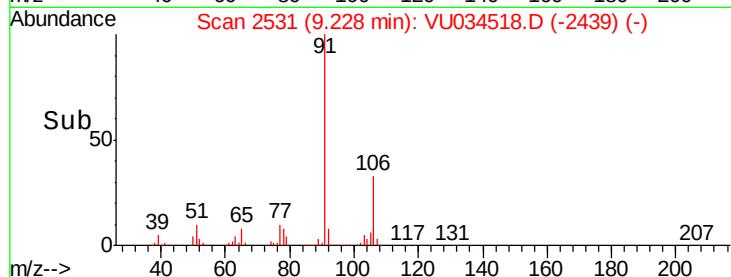
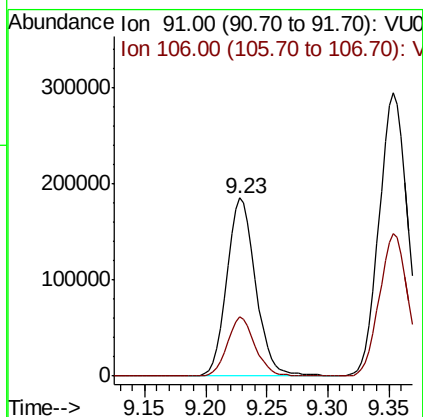
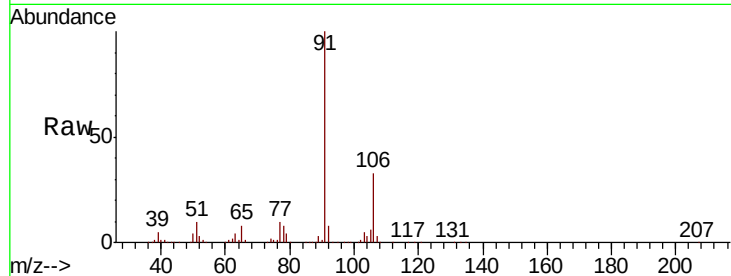




#67
 Ethyl Benzene
 Concen: 22.208 ug/l
 RT: 9.23 min Scan# 2531
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

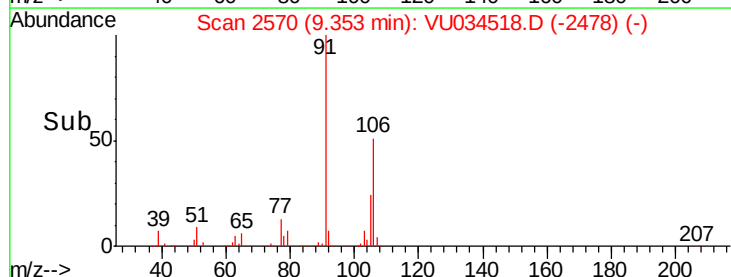
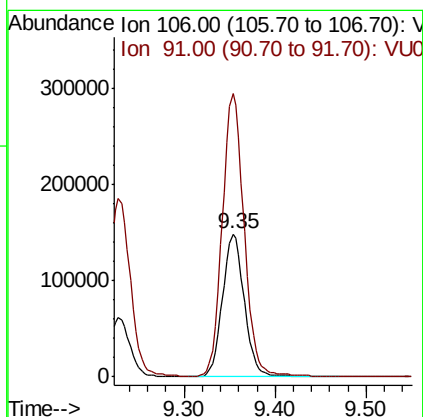
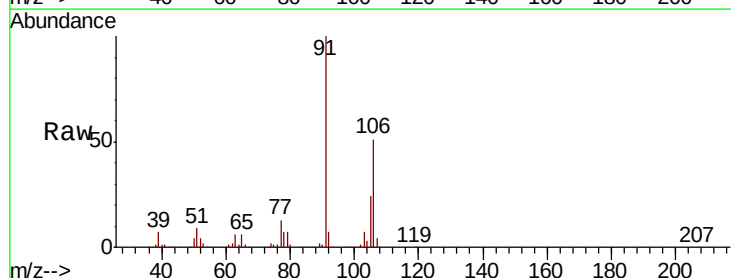
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD02

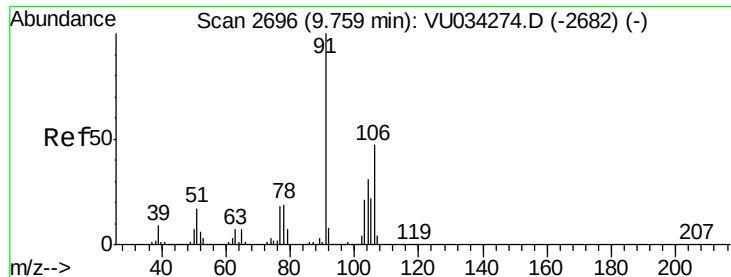
Tgt Ion: 91 Resp: 306675
 Ion Ratio Lower Upper
 91 100
 106 33.1 24.8 37.2



#68
 m/p-Xylenes
 Concen: 47.499 ug/l
 RT: 9.35 min Scan# 2570
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Tgt Ion: 106 Resp: 247001
 Ion Ratio Lower Upper
 106 100
 91 198.4 160.1 240.1

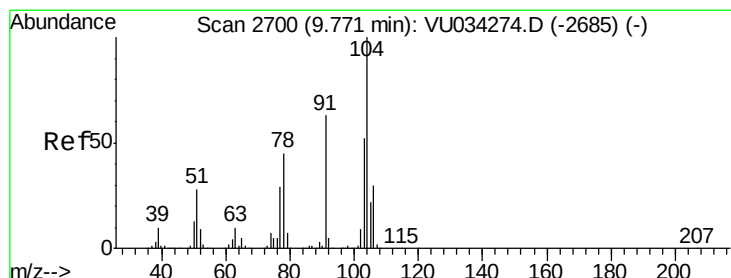
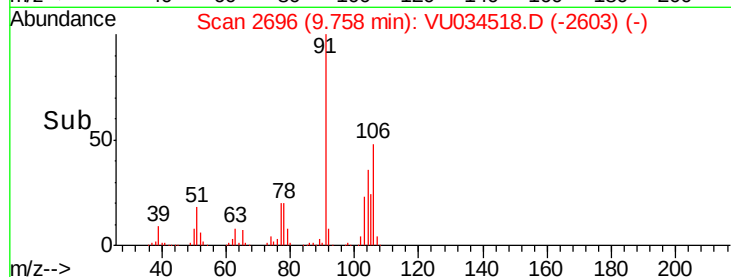
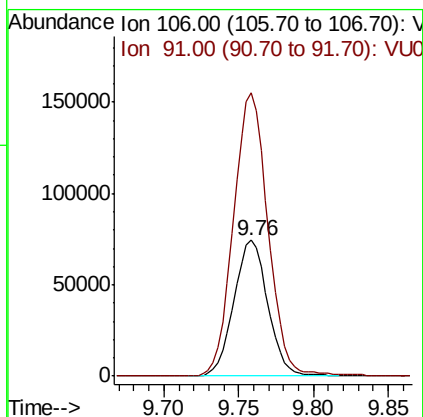
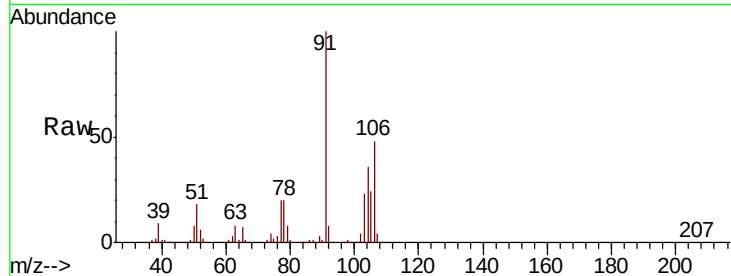




#69
o-Xylene
Concen: 23.155 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

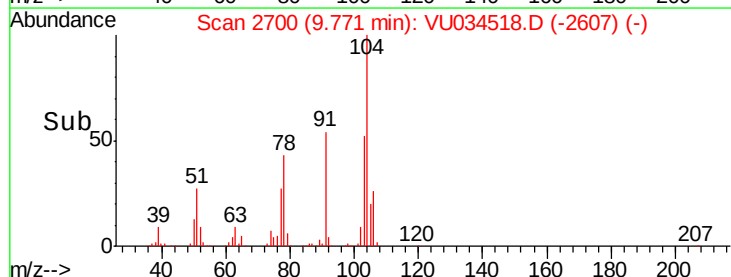
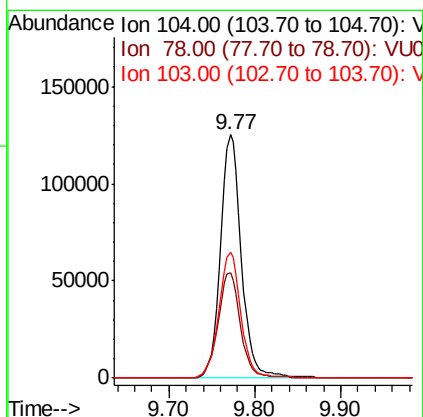
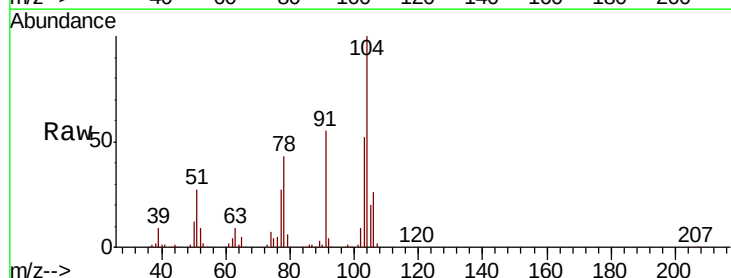
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBSD02

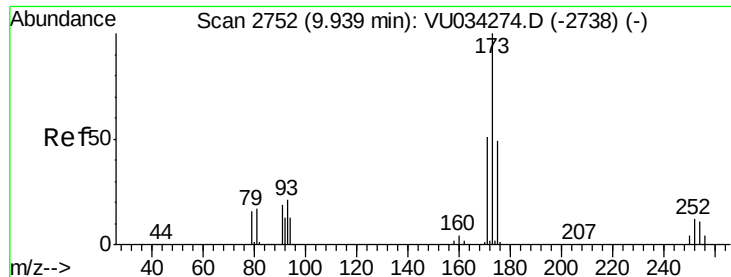
Tgt Ion:106 Resp: 117754
Ion Ratio Lower Upper
106 100
91 212.2 105.1 315.3



#70
Styrene
Concen: 23.807 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034518.D
Acq: 12 Sep 2019 14:15

Tgt Ion:104 Resp: 212268
Ion Ratio Lower Upper
104 100
78 46.6 38.6 57.8
103 54.1 44.2 66.4





#71

Bromoform

Concen: 23.840 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD02

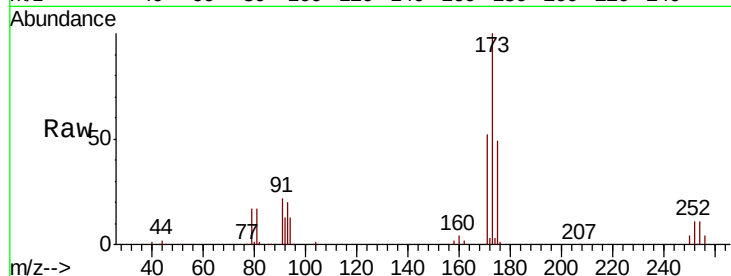
Tgt Ion:173 Resp: 66595

Ion Ratio Lower Upper

173 100

175 48.5 24.4 73.2

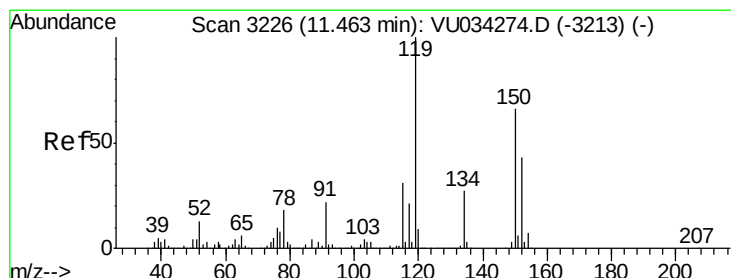
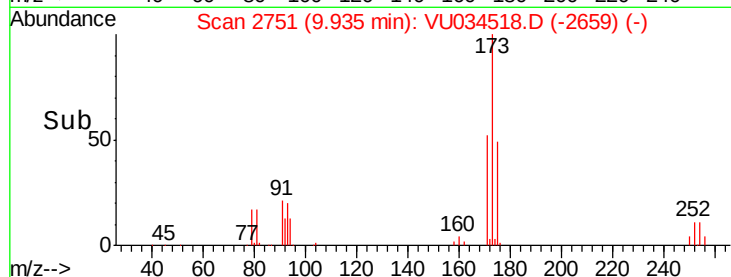
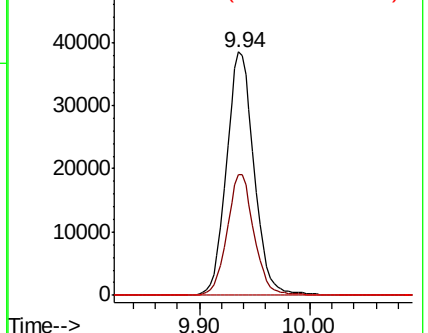
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

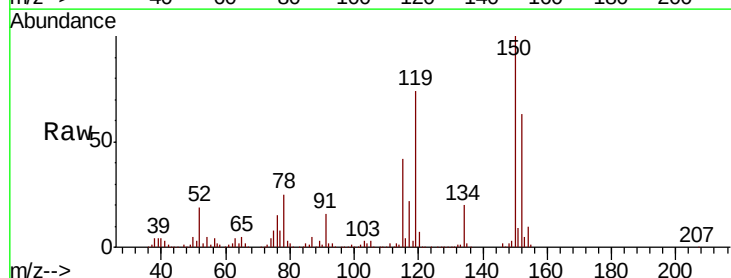
Tgt Ion:152 Resp: 226561

Ion Ratio Lower Upper

152 100

115 67.1 39.1 117.3

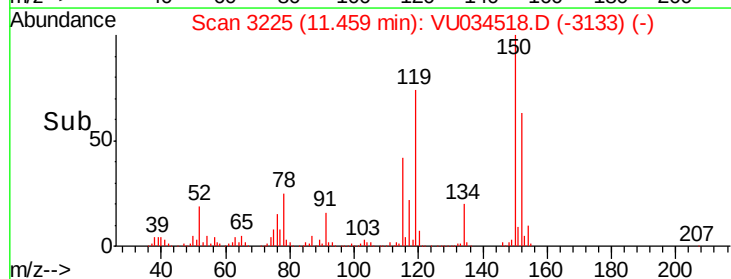
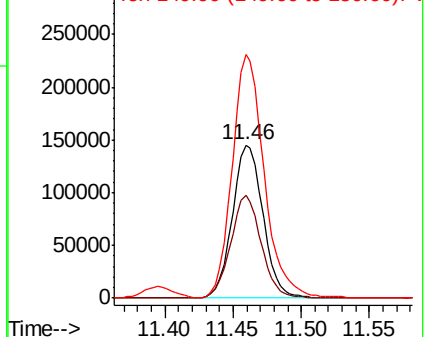
150 165.3 0.0 345.4

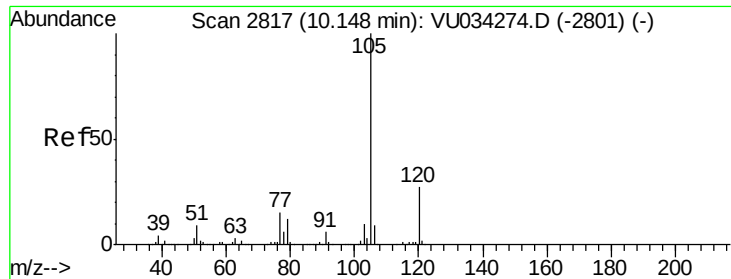


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.275 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

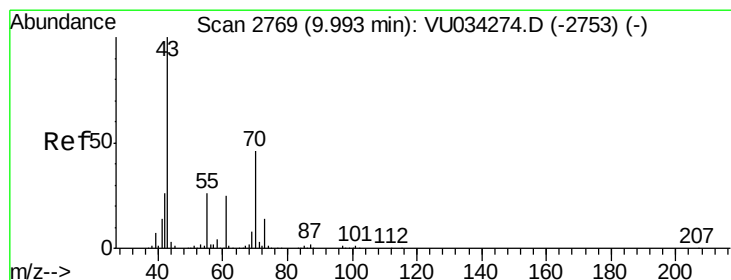
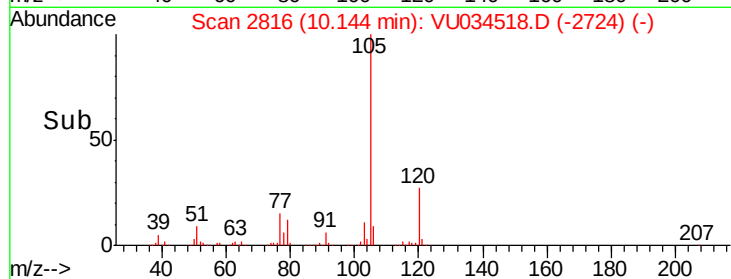
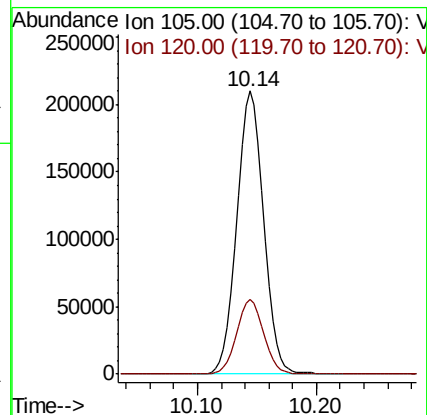
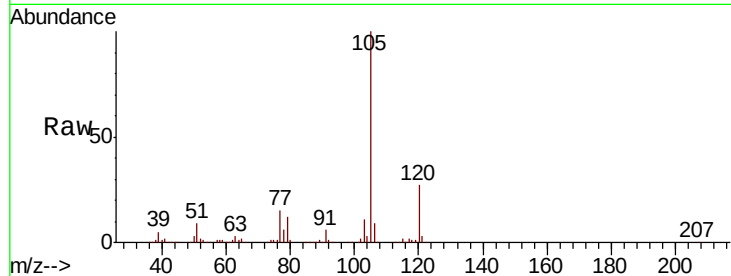
VU0912WBSD02

Tgt Ion:105 Resp: 328427

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 21.353 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Tgt Ion: 43 Resp: 126728

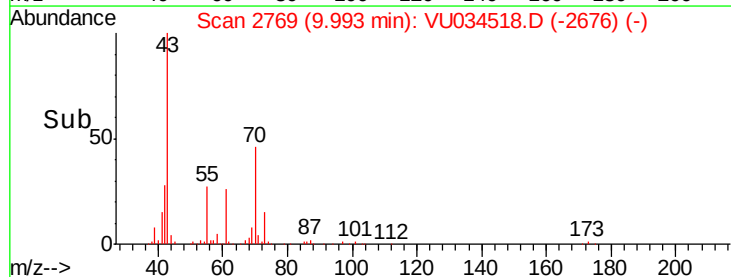
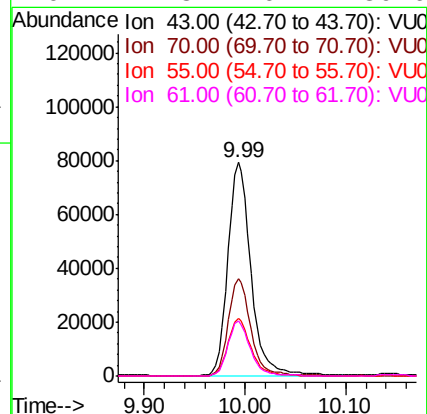
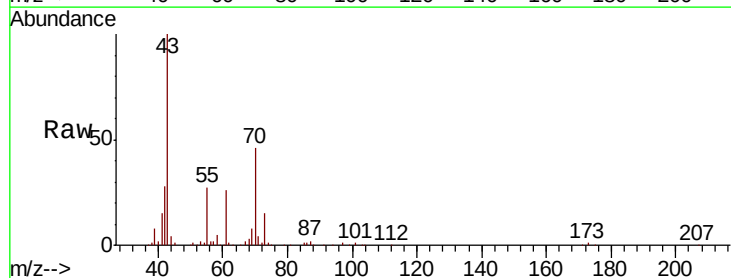
Ion Ratio Lower Upper

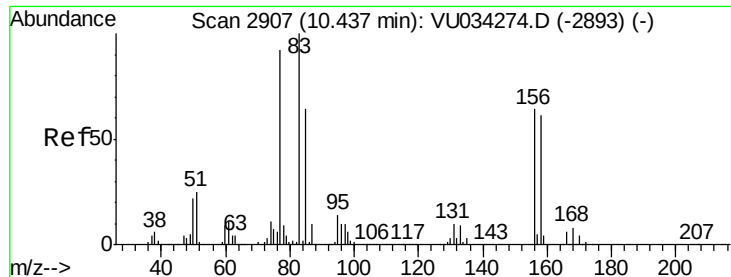
43 100

70 44.9 36.4 54.6

55 27.2 21.2 31.8

61 24.8 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.601 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD02

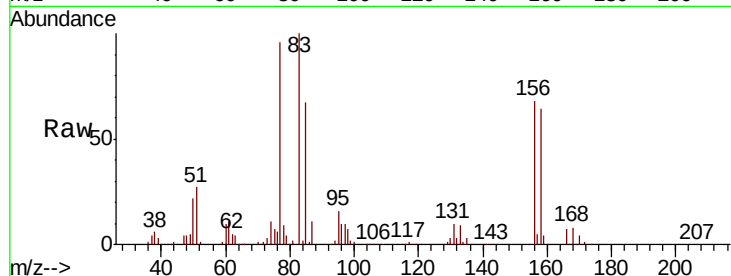
Tgt Ion: 83 Resp: 134883

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

85 65.5 32.0 96.2

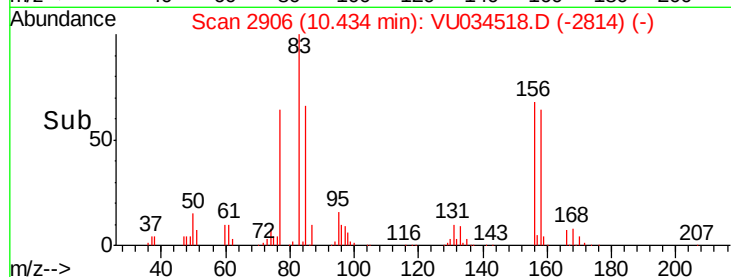


Abundance Ion 82.90 (82.60 to 83.60): VU034518.D (-2893) (-)

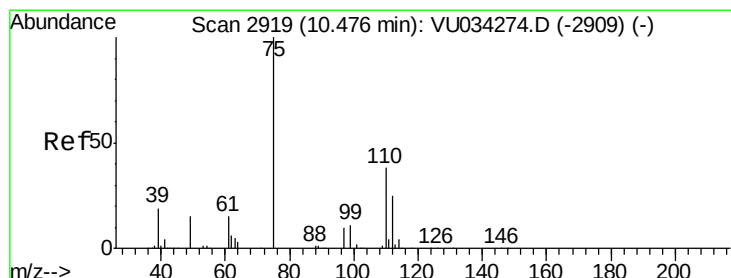
Ion 130.80 (130.50 to 131.50): VU034518.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU034518.D (-2893) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 28.969 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034518.D

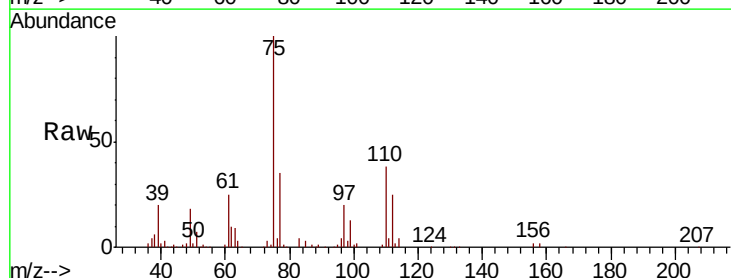
Acq: 12 Sep 2019 14:15

Tgt Ion: 75 Resp: 143262

Ion Ratio Lower Upper

75 100

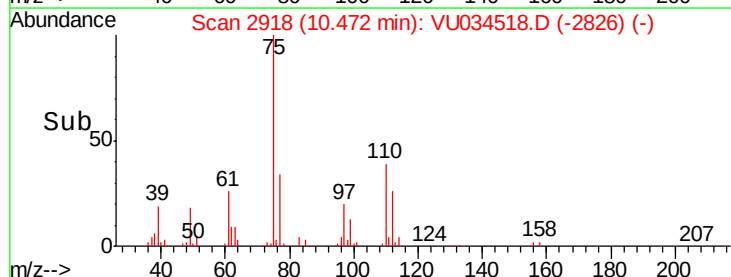
77 33.0 20.8 62.2



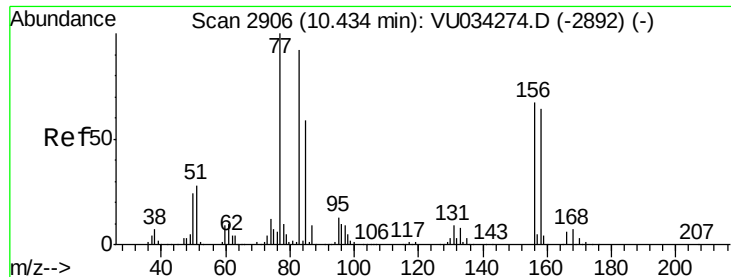
Abundance Ion 74.90 (74.60 to 75.60): VU034518.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034518.D (-2826) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 23.085 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD02

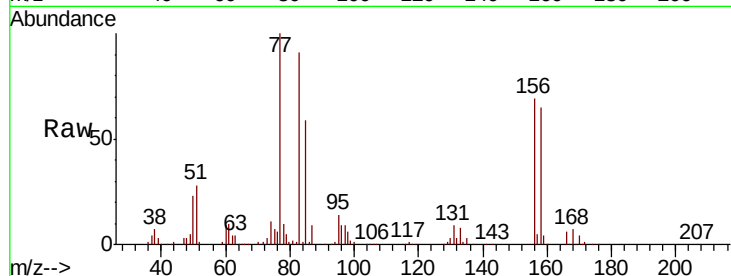
Tgt Ion:156 Resp: 95170

Ion Ratio Lower Upper

156 100

77 144.1 75.6 226.9

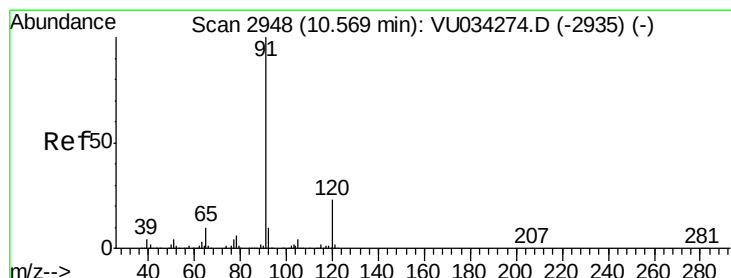
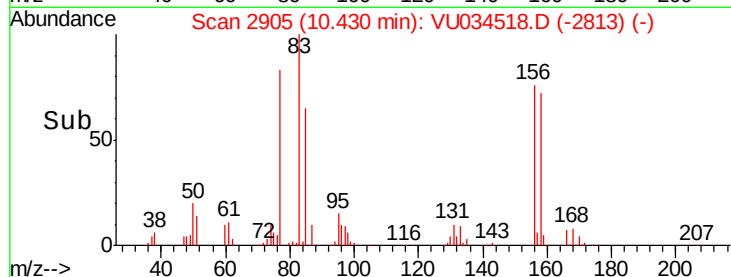
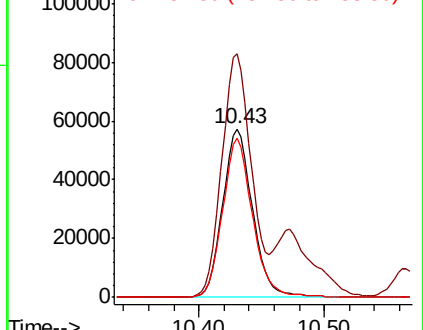
158 94.5 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.210 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034518.D

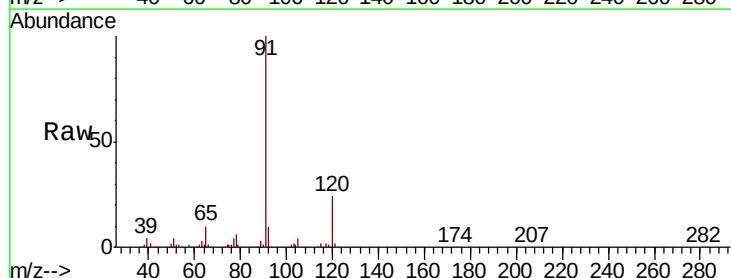
Acq: 12 Sep 2019 14:15

Tgt Ion: 91 Resp: 378183

Ion Ratio Lower Upper

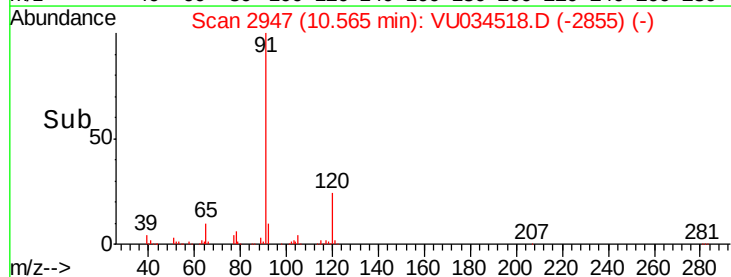
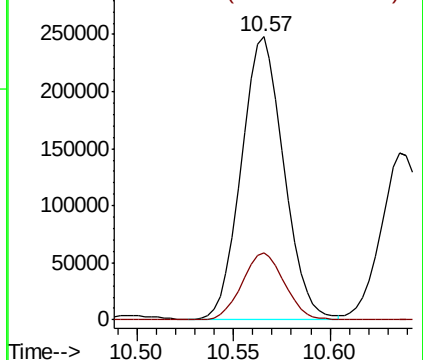
91 100

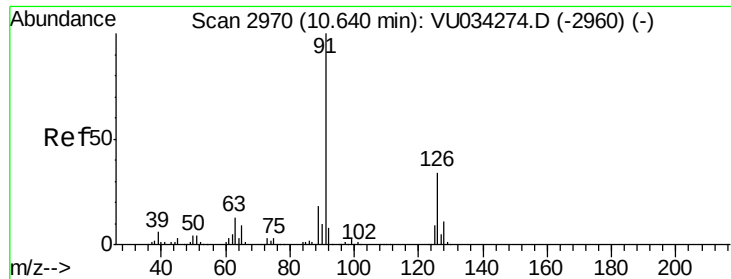
120 23.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.453 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

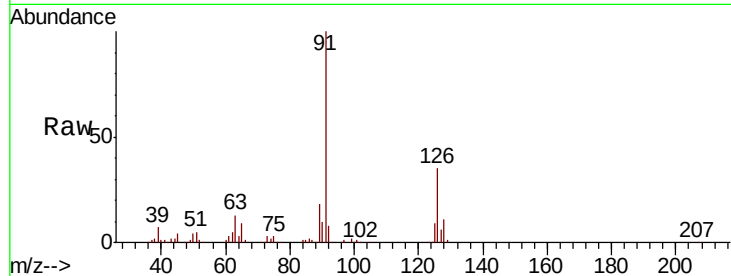
VU0912WBSD02

Tgt Ion: 91 Resp: 233285

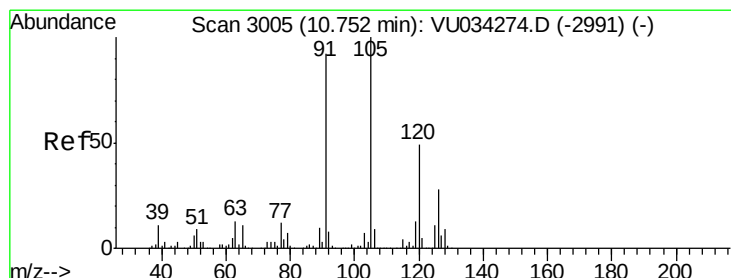
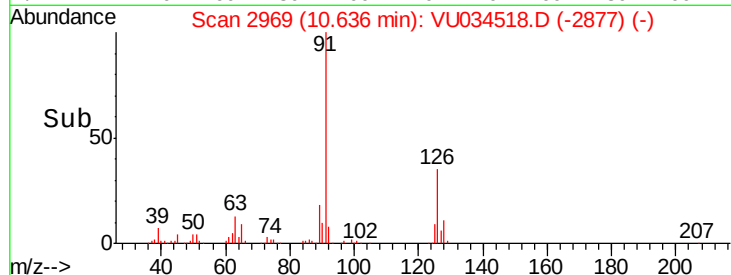
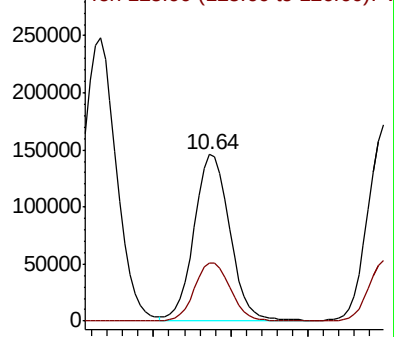
Ion Ratio Lower Upper

91 100

126 35.4 17.3 51.9



Abundance Ion 91.00 (90.70 to 91.70): VU034274.D (-2960) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.317 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034518.D

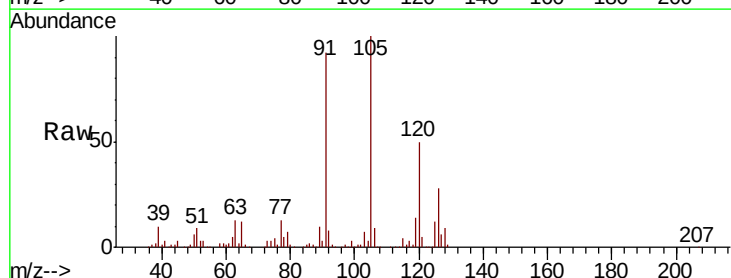
Acq: 12 Sep 2019 14:15

Tgt Ion: 105 Resp: 287527

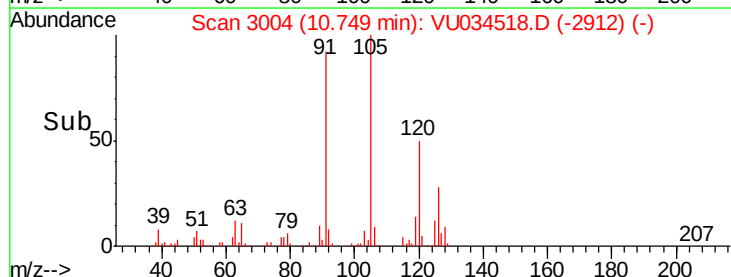
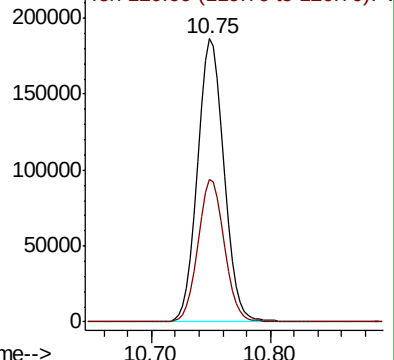
Ion Ratio Lower Upper

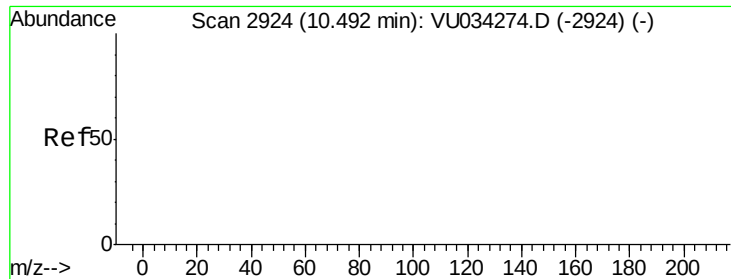
105 100

120 50.1 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VU034274.D (-2991) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 97.852 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.02 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD02

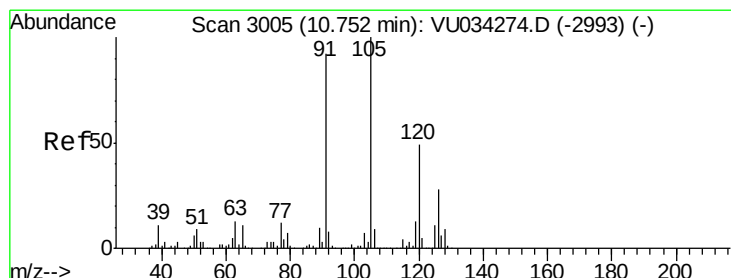
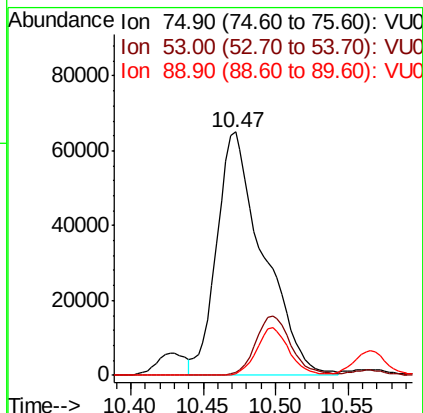
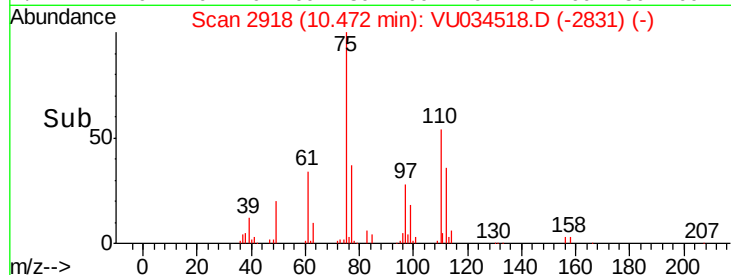
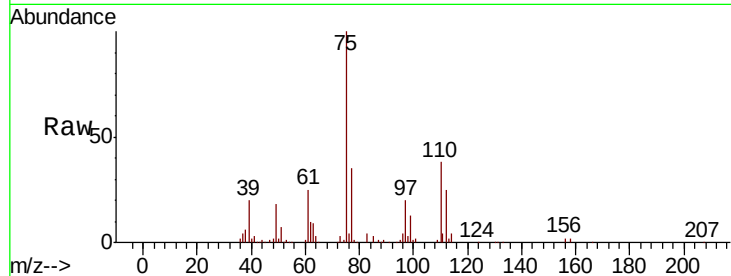
Tgt Ion: 75 Resp: 143898

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 22.823 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034518.D

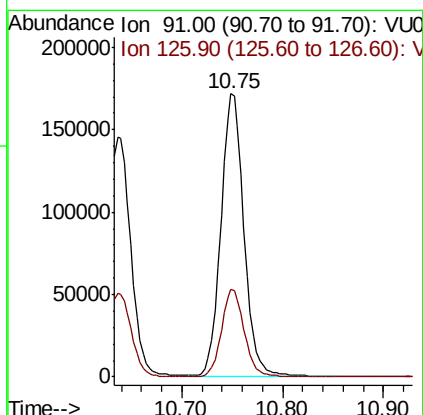
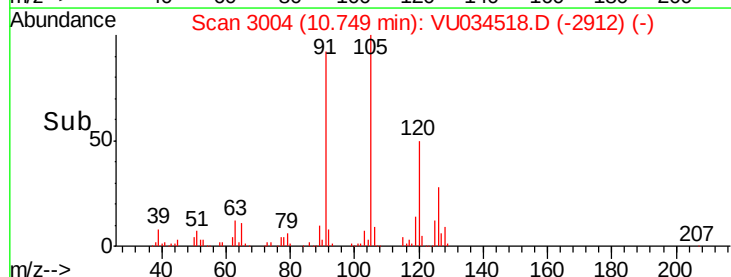
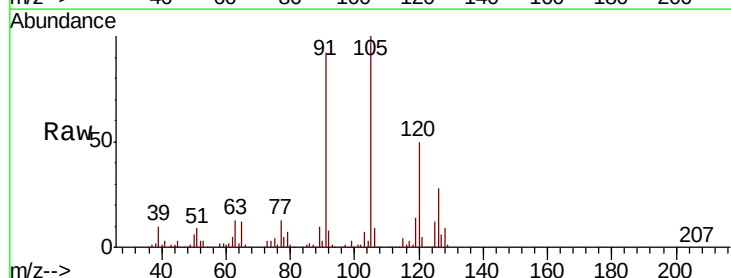
Acq: 12 Sep 2019 14:15

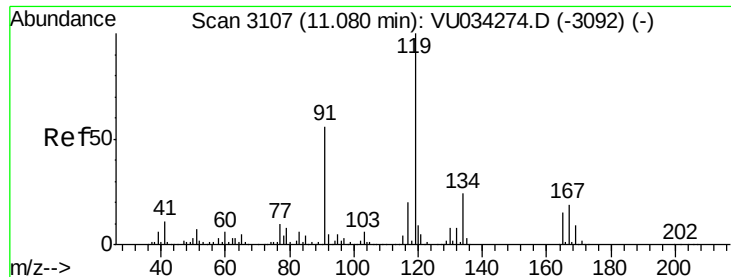
Tgt Ion: 91 Resp: 272885

Ion Ratio Lower Upper

91 100

126 30.6 15.3 45.8

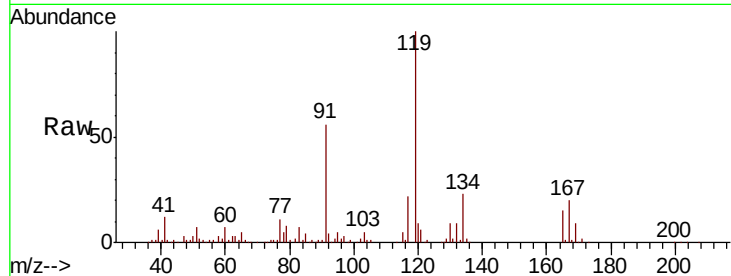




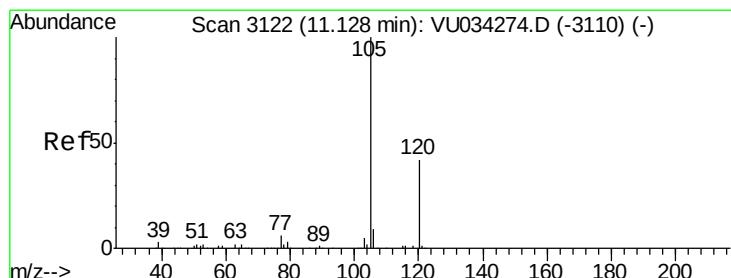
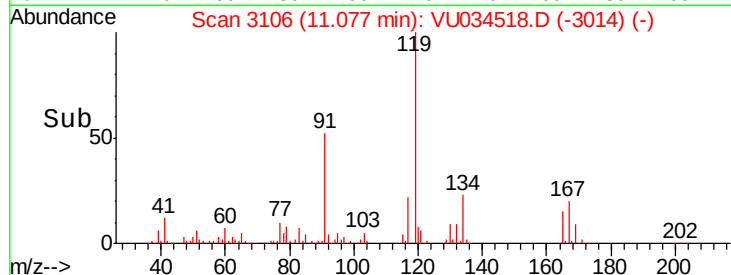
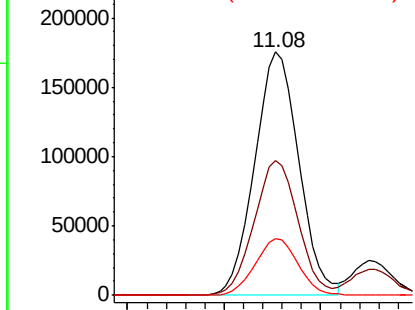
#83
 tert-Butylbenzene
 Concen: 22.561 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD02

Tgt Ion:119 Resp: 278313
 Ion Ratio Lower Upper
 119 100
 91 54.9 27.8 83.4
 134 22.7 11.7 35.0

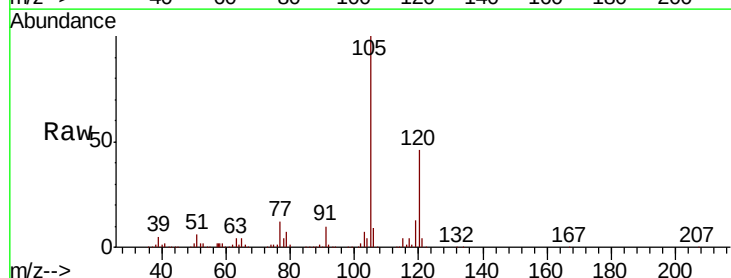


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

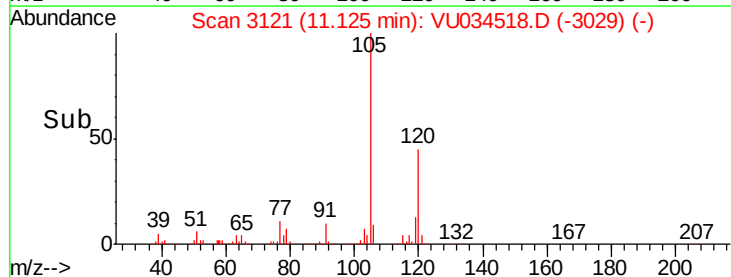
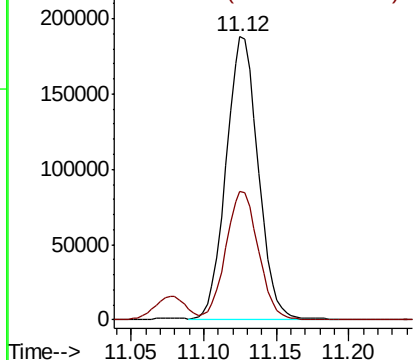


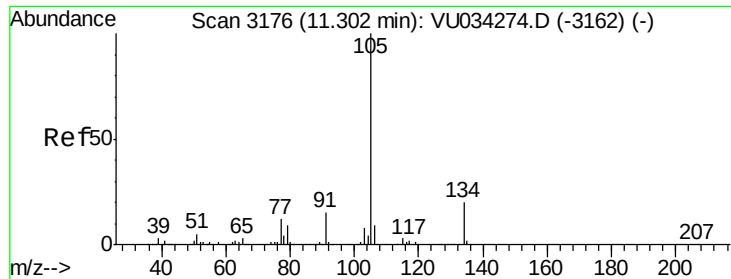
#84
 1,2,4-Trimethylbenzene
 Concen: 23.126 ug/l
 RT: 11.12 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Tgt Ion:105 Resp: 287053
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.782 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

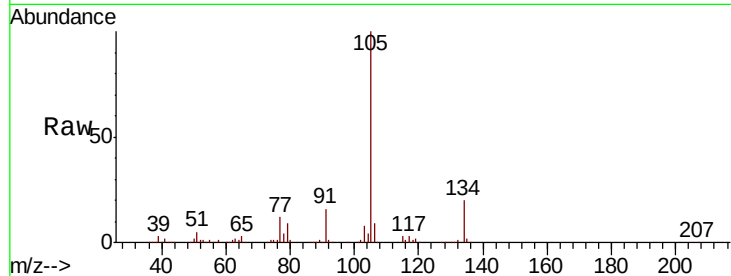
VU0912WBSD02

Tgt Ion:105 Resp: 331783

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.30

250000

200000

150000

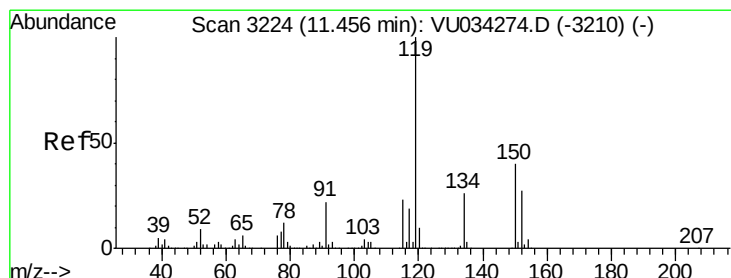
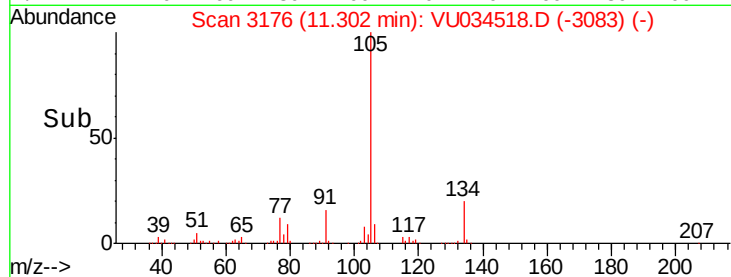
100000

50000

0

Time-->

11.20 11.25 11.30 11.35



#86

p-Isopropyltoluene

Concen: 22.731 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

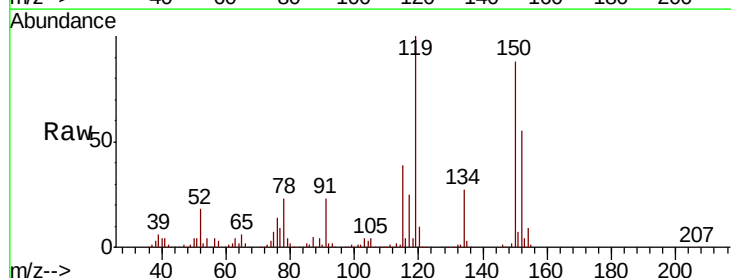
Tgt Ion:119 Resp: 305537

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 22.7 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

250000

200000

150000

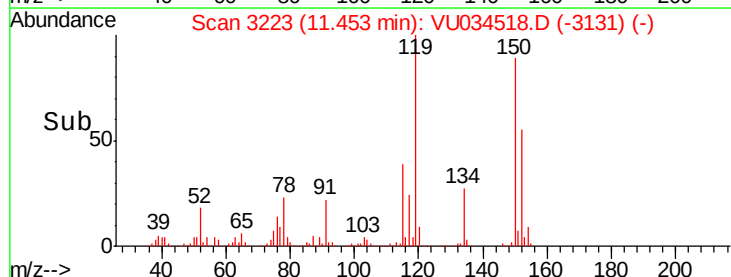
100000

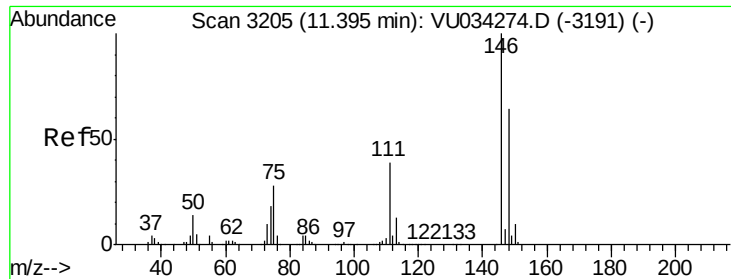
50000

0

Time-->

11.40 11.45 11.50 11.55

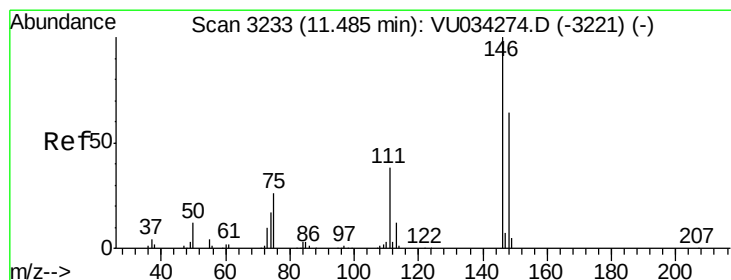
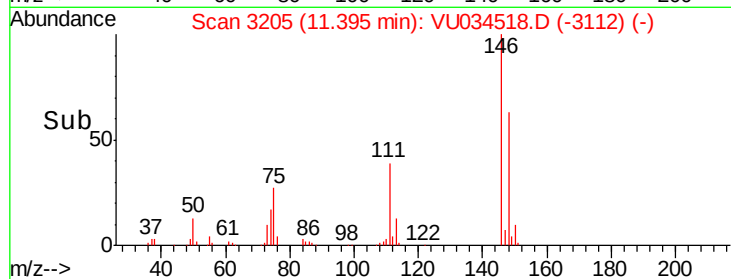
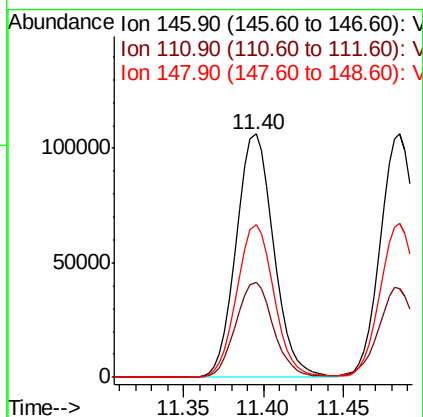
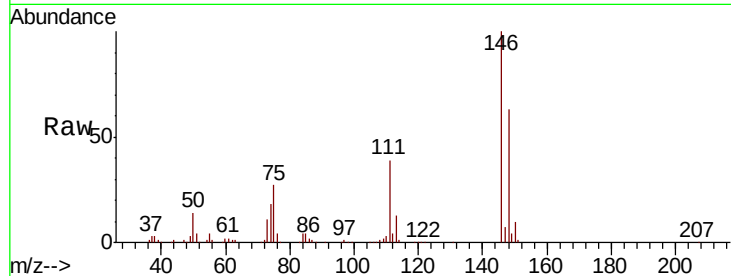




#87
 1,3-Dichlorobenzene
 Concen: 22.588 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

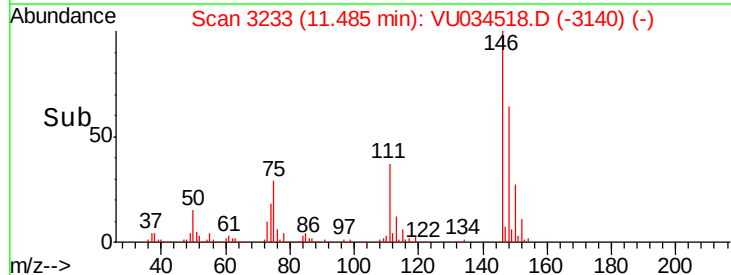
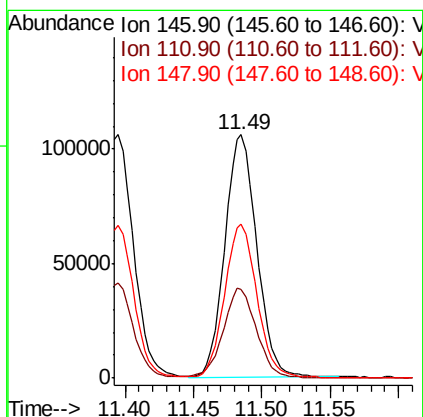
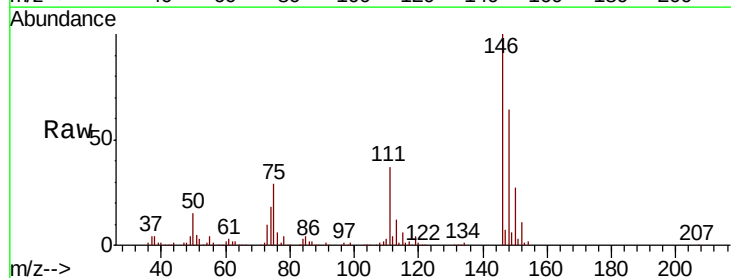
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD02

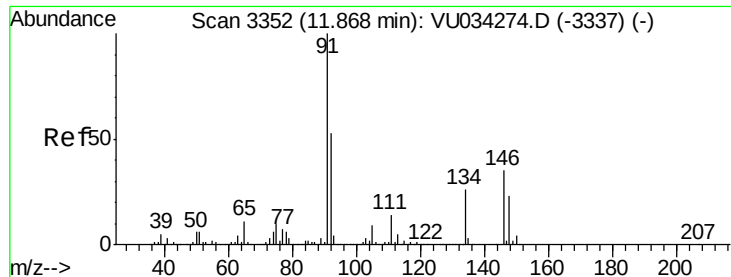
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	62.5	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 21.966 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.3
148	63.9	32.0	96.0





#89

n-Butylbenzene

Concen: 21.826 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD02

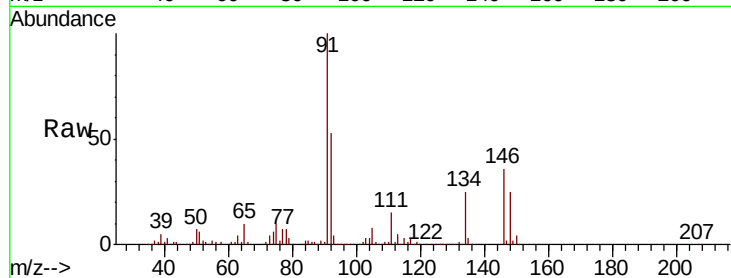
Tgt Ion: 91 Resp: 254953

Ion Ratio Lower Upper

91 100

92 52.6 26.5 79.4

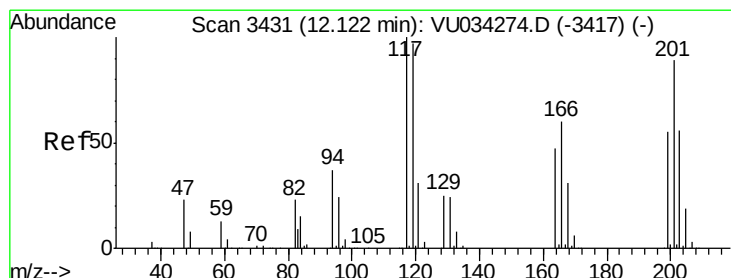
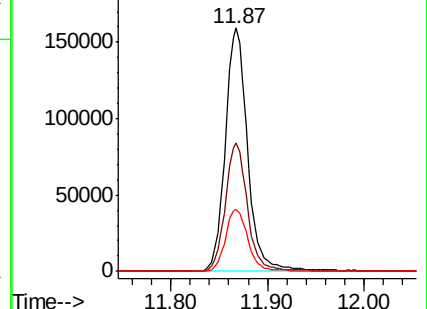
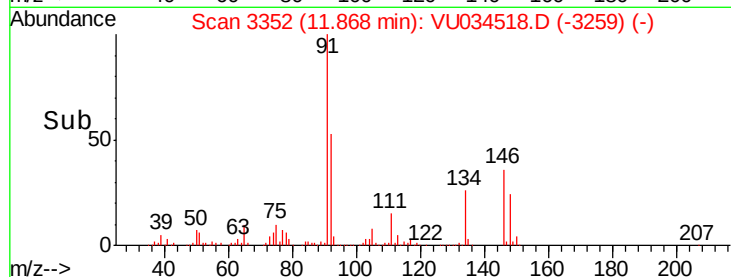
134 25.6 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU034518.D (-3259) (-)

Ion 92.00 (91.70 to 92.70): VU034518.D (-3259) (-)

Ion 134.00 (133.70 to 134.70): VU034518.D (-3259) (-)



#90

Hexachloroethane

Concen: 21.712 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. -0.00 min

Lab File: VU034518.D

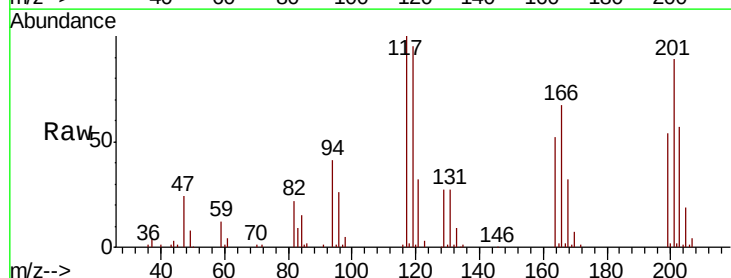
Acq: 12 Sep 2019 14:15

Tgt Ion: 117 Resp: 46691

Ion Ratio Lower Upper

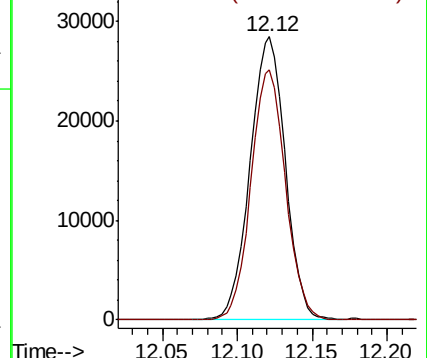
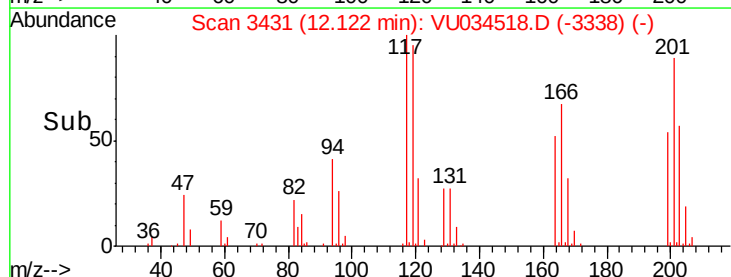
117 100

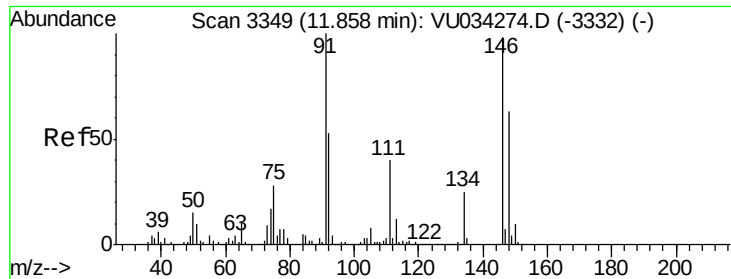
201 86.3 44.1 132.4



Abundance Ion 116.80 (116.50 to 117.50): VU034518.D (-3338) (-)

Ion 200.70 (200.40 to 201.40): VU034518.D (-3338) (-)

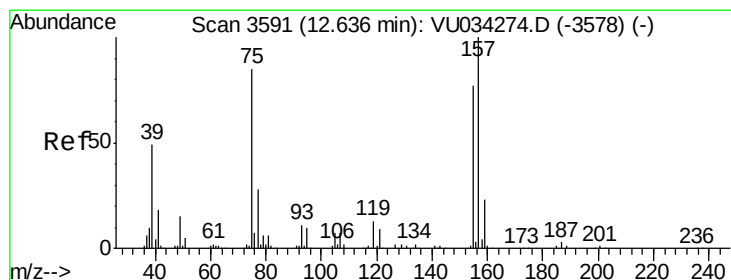
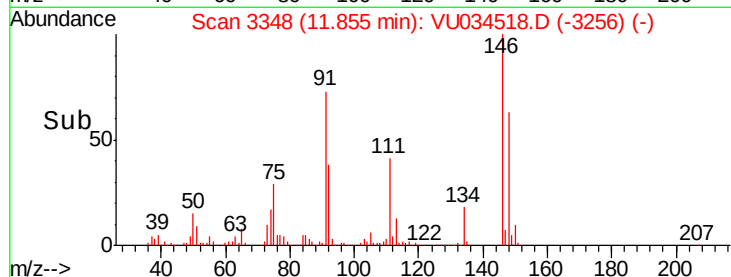
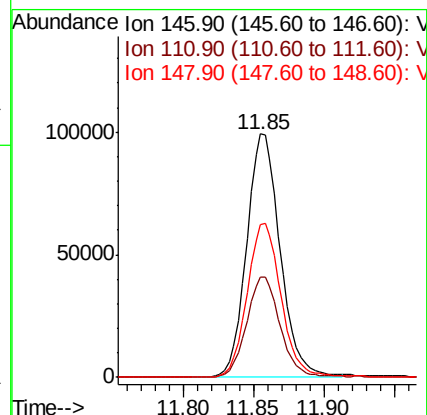
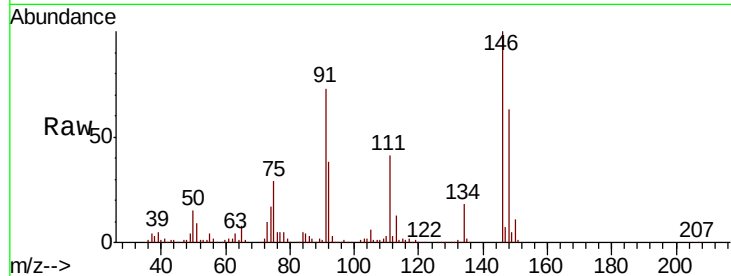




#91
 1,2-Dichlorobenzene
 Concen: 22.378 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

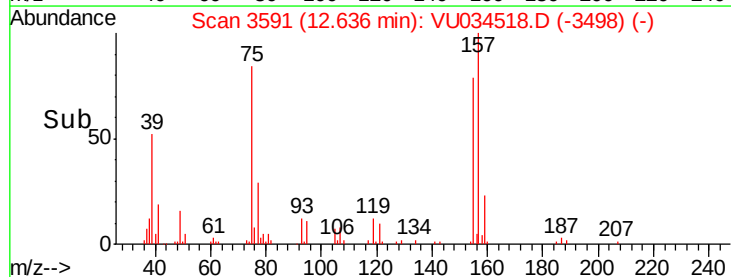
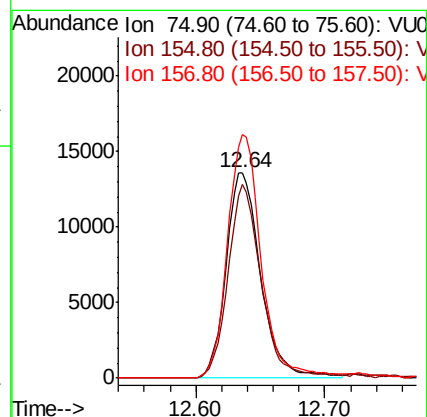
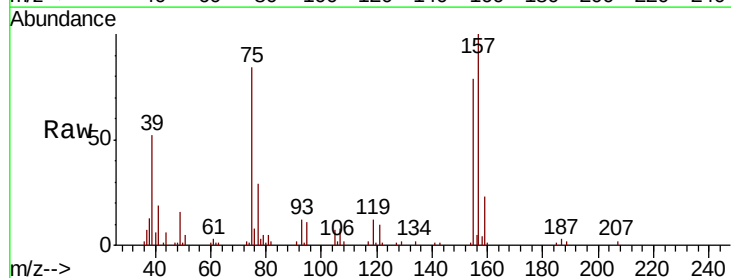
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD02

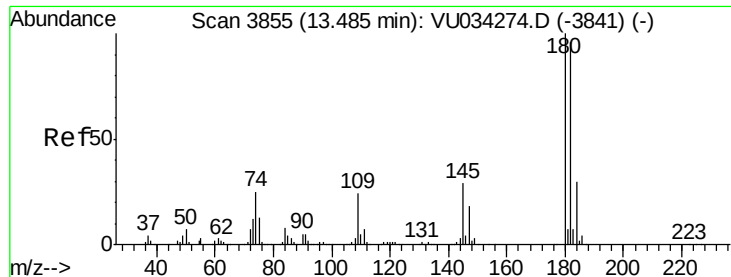
Tgt Ion:146 Resp: 165450
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.0 60.0
 148 64.3 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.078 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Tgt Ion: 75 Resp: 25309
 Ion Ratio Lower Upper
 75 100
 155 88.9 44.6 134.0
 157 115.8 58.2 174.6

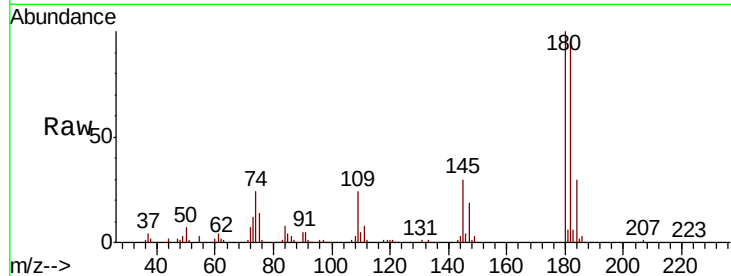




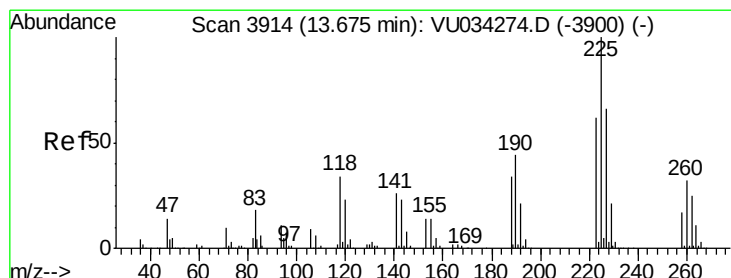
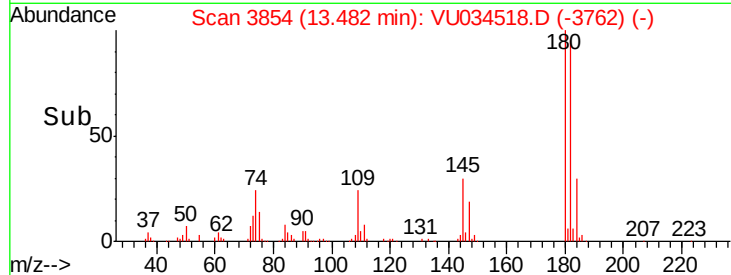
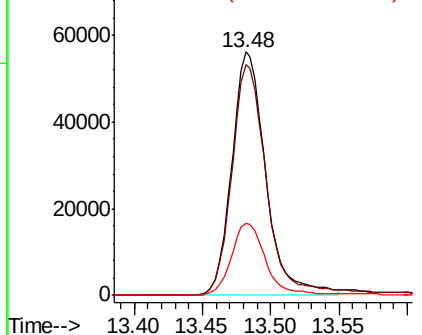
#93
 1,2,4-Trichlorobenzene
 Concen: 20.341 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBSD02

Tgt Ion:180 Resp: 97279
 Ion Ratio Lower Upper
 180 100
 182 97.1 47.9 143.8
 145 30.1 14.4 43.0

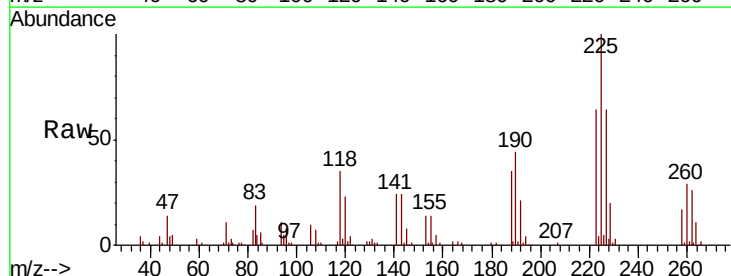


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

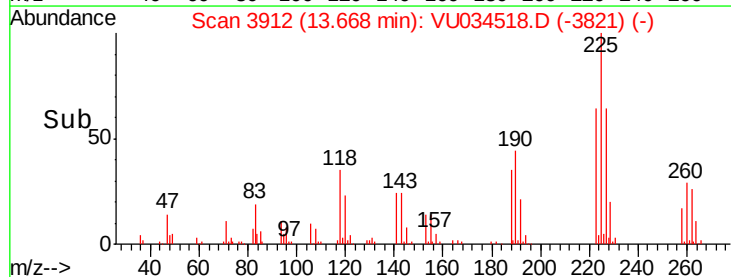
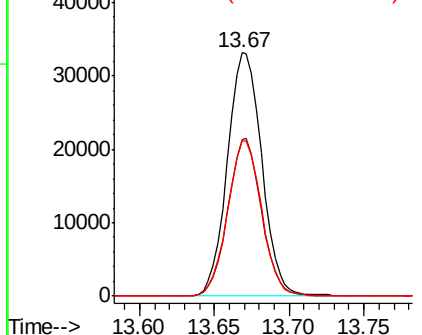


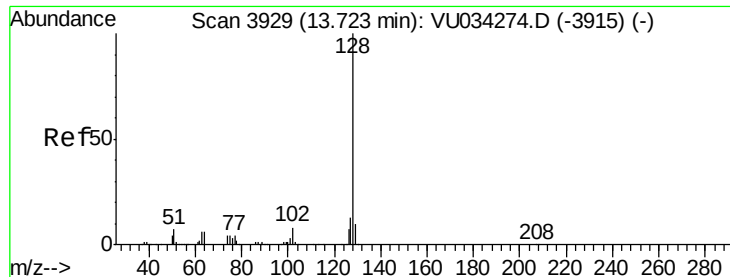
#94
 Hexachlorobutadiene
 Concen: 20.585 ug/l
 RT: 13.67 min Scan# 3912
 Delta R.T. -0.01 min
 Lab File: VU034518.D
 Acq: 12 Sep 2019 14:15

Tgt Ion:225 Resp: 53236
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.6 94.7
 227 63.1 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.421 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBSD02

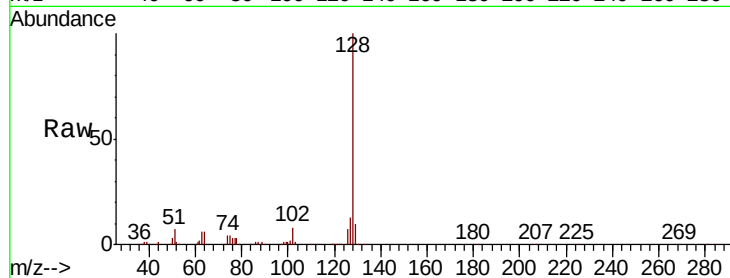
Tgt Ion:128 Resp: 253477

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

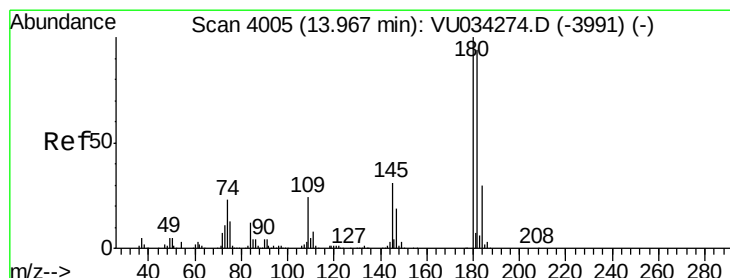
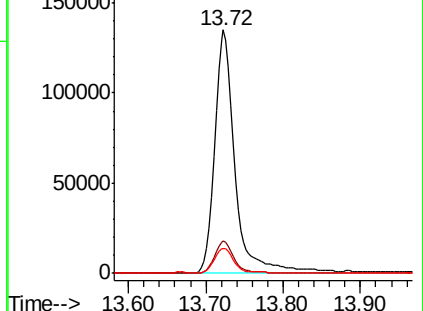
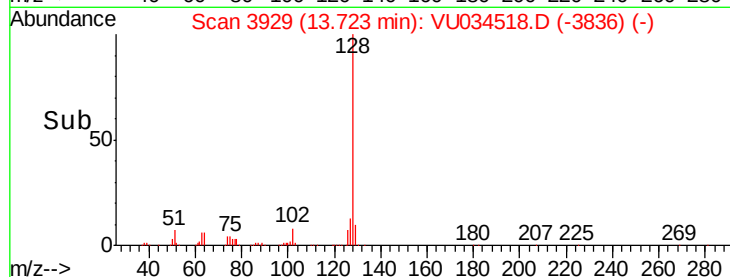
129 10.1 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.519 ug/l

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034518.D

Acq: 12 Sep 2019 14:15

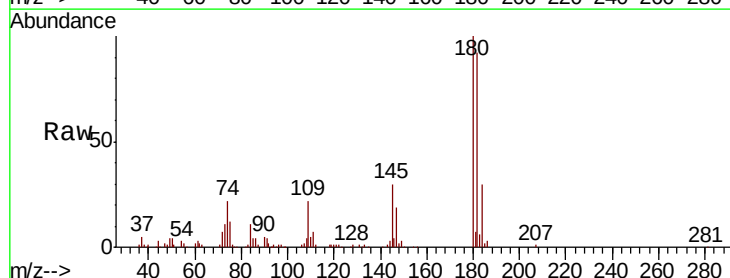
Tgt Ion:180 Resp: 103231

Ion Ratio Lower Upper

180 100

182 93.8 48.4 145.0

145 29.2 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

