

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090619\
 Data File : VU034275.D
 Acq On : 05 Sep 2019 10:46
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 06 04:21:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 04:16:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	370635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	541528	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	549531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	358509	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	538133	110.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	221.32%	
35) Dibromofluoromethane	4.86	113	472619	119.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	238.02%	
50) Toluene-d8	7.55	98	1907803	127.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	255.10%	
62) 4-Bromofluorobenzene	10.29	95	726797	125.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	251.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	350008	96.886	ug/l	97
3) Chloromethane	1.32	50	392935	73.740	ug/l	99
4) Vinyl Chloride	1.40	62	434233	90.654	ug/l	98
5) Bromomethane	1.60	94	247734	96.974	ug/l	99
6) Chloroethane	1.68	64	272371	91.524	ug/l	99
7) Trichlorofluoromethane	1.87	101	588291	103.170	ug/l	99
8) Diethyl Ether	2.09	74	265990	108.094	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	385323	105.932	ug/l	100
10) Methyl Iodide	2.40	142	415980	87.452	ug/l	100
11) Tert butyl alcohol	2.82	59	591713	542.942	ug/l	100
12) 1,1-Dichloroethene	2.27	96	367552	100.287	ug/l	99
13) Acrolein	2.18	56	454142	816.731	ug/l	99
14) Allyl chloride	2.58	41	633797	91.609	ug/l	91
15) Acrylonitrile	2.92	53	1447489	569.474	ug/l	98
16) Acetone	2.31	43	1296676	532.851	ug/l	99
17) Carbon Disulfide	2.46	76	801353	72.562	ug/l	100
18) Methyl Acetate	2.60	43	626771	99.686	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	1430501	116.490	ug/l	100
20) Methylene Chloride	2.68	84	463283	101.168	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	388462	98.220	ug/l	99
22) Diisopropyl ether	3.55	45	1470609	114.106	ug/l	97
23) Vinyl Acetate	3.50	43	6244360	569.204	ug/l	99
24) 1,1-Dichloroethane	3.42	63	822149	108.585	ug/l	100
25) 2-Butanone	4.23	43	1970612	582.600	ug/l	100
26) 2,2-Dichloropropane	4.20	77	672803	109.354	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	495496	109.687	ug/l	99
28) Bromochloromethane	4.52	49	381141	101.563	ug/l	99
29) Tetrahydrofuran	4.61	42	1181784	566.393	ug/l	100
30) Chloroform	4.65	83	812765	106.761	ug/l	99
31) Cyclohexane	4.97	56	614309	90.076	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	671220	108.406	ug/l	98
36) 1,1-Dichloropropene	5.11	75	552812	107.781	ug/l	99
37) Ethyl Acetate	4.36	43	680521	116.837	ug/l	99
38) Carbon Tetrachloride	5.11	117	577242	114.540	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	627532	105.640	ug/l	98
40) Benzene	5.37	78	1764914	112.211	ug/l	99
41) Methacrylonitrile	4.52	41	381302	126.346	ug/l	100
42) 1,2-Dichloroethane	5.38	62	606684	111.811	ug/l	100
43) Isopropyl Acetate	5.53	43	1097409	123.197	ug/l	99
44) Trichloroethene	6.16	130	487276	116.756	ug/l	98
45) 1,2-Dichloropropane	6.41	63	520217	119.008	ug/l	99
46) Dibromomethane	6.54	93	326718	116.173	ug/l	99
47) Bromodichloromethane	6.74	83	674748	121.675	ug/l	99
48) Methyl methacrylate	6.60	41	535814	125.573	ug/l	100
49) 1,4-Dioxane	6.59	88	231056	2205.689	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	3798091	615.399	ug/l	99
52) Toluene	7.62	92	1145998	117.660	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	761026	125.153	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	820097	123.008	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	512315	122.653	ug/l	99
56) Ethyl methacrylate	8.00	69	815009	132.233	ug/l	100
57) 1,3-Dichloropropane	8.22	76	848045	120.477	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	1288358	578.912	ug/l	100
59) 2-Hexanone	8.34	43	2896294	622.333	ug/l	99
60) Dibromochloromethane	8.46	129	580941	129.074	ug/l	98
61) 1,2-Dibromoethane	8.57	107	518136	119.013	ug/l	100
64) Tetrachloroethene	8.21	164	438247	116.318	ug/l	99
65) Chlorobenzene	9.10	112	1348462	117.110	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	513179	121.980	ug/l	99
67) Ethyl Benzene	9.23	91	2313200	119.385	ug/l	100
68) m/p-Xylenes	9.36	106	1772146	239.652	ug/l	100
69) o-Xylene	9.76	106	874275	123.091	ug/l	99
70) Styrene	9.77	104	1584645	129.425	ug/l	99
71) Bromoform	9.94	173	466441	127.196	ug/l #	100
73) Isopropylbenzene	10.15	105	2392245	101.898	ug/l	100
74) N-amyl acetate	9.99	43	1037461	105.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	869128	95.625	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	955208	122.124	ug/l	84
77) Bromobenzene	10.43	156	641129	100.650	ug/l	99
78) n-propylbenzene	10.57	91	2797891	102.263	ug/l	100
79) 2-Chlorotoluene	10.64	91	1656099	100.771	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	2060364	103.500	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.48	75	957701	405.693	ug/l #	100
82) 4-Chlorotoluene	10.75	91	1926603	101.671	ug/l	100
83) tert-Butylbenzene	11.08	119	2040752	104.096	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	2079652	105.193	ug/l	99
85) sec-Butylbenzene	11.30	105	2433057	103.519	ug/l	100
86) p-Isopropyltoluene	11.46	119	2260590	106.255	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	1165179	102.948	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	1166201	101.552	ug/l	100
89) n-Butylbenzene	11.87	91	2046853	109.280	ug/l	99
90) Hexachloroethane	12.12	117	343631	94.456	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	1140198	104.811	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	183933	102.188	ug/l	97

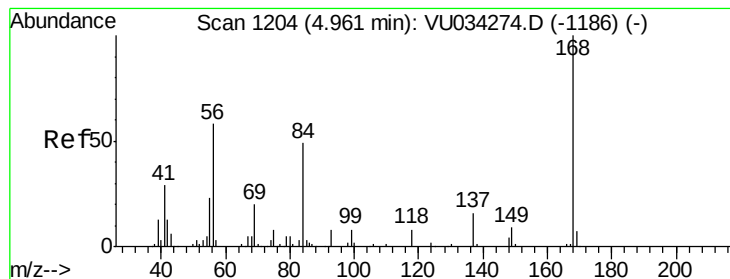
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	843342	126.839	ug/l	100
94) Hexachlorobutadiene	13.67	225	403306	96.520	ug/l	99
95) Naphthalene	13.72	128	2384384	129.988	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	808330	115.808	ug/l	99

(#) = 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: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

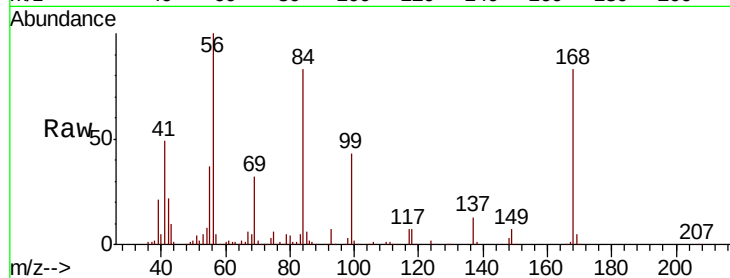
VSTDIC100

Tgt Ion:168 Resp: 370635

Ion Ratio Lower Upper

168 100

99 51.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034275.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034275.D (-1186) (-)

200000

150000

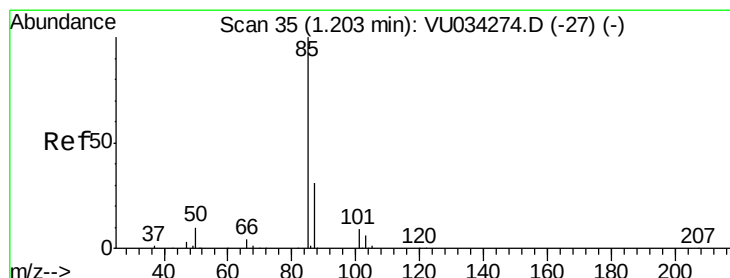
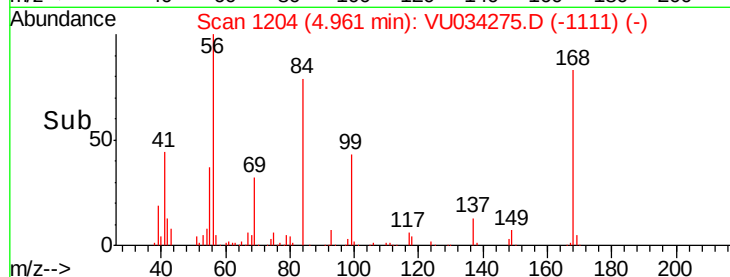
100000

50000

0

4.90 4.96 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 96.886 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034275.D

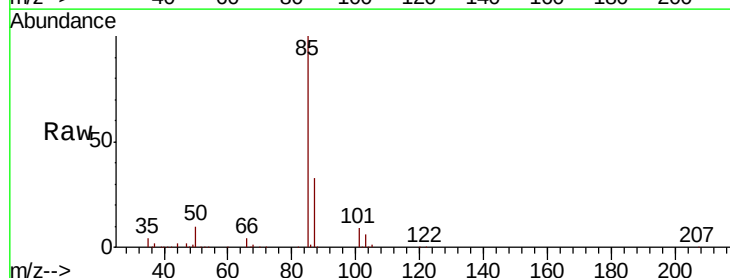
Acq: 05 Sep 2019 10:46

Tgt Ion: 85 Resp: 350008

Ion Ratio Lower Upper

85 100

87 32.9 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034275.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034275.D (-1) (-)

400000

300000

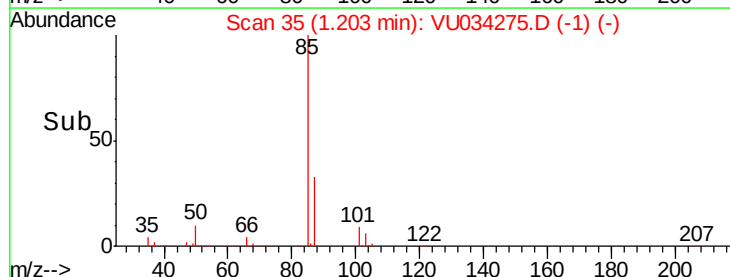
200000

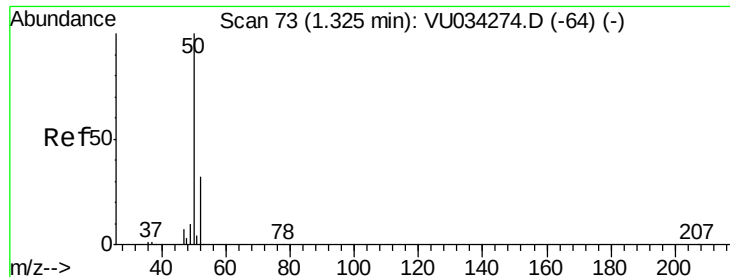
100000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 73.740 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

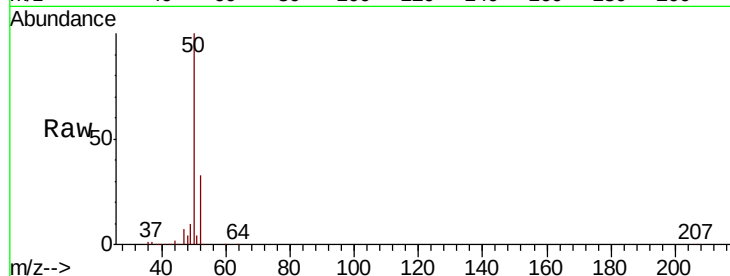
VSTDIC100

Tgt Ion: 50 Resp: 392935

Ion Ratio Lower Upper

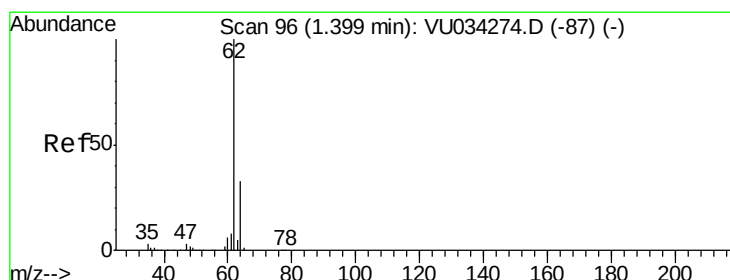
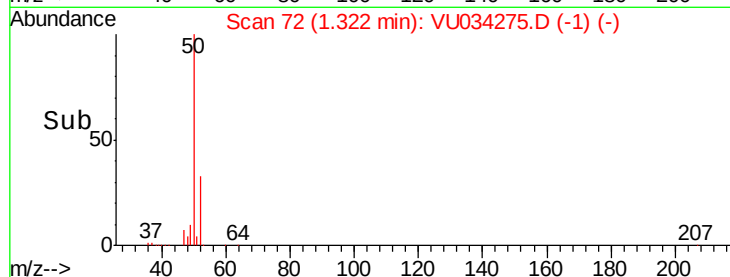
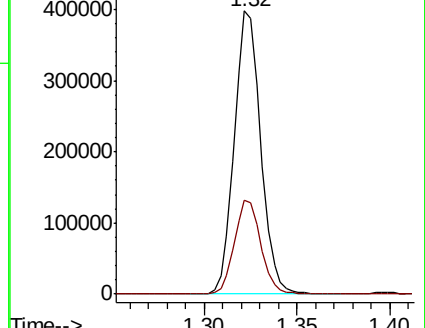
50 100

52 33.0 25.8 38.6



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

Ion 51.90 (51.60 to 52.60): VU034275.D (-1) (-)



#4

Vinyl Chloride

Concen: 90.654 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034275.D

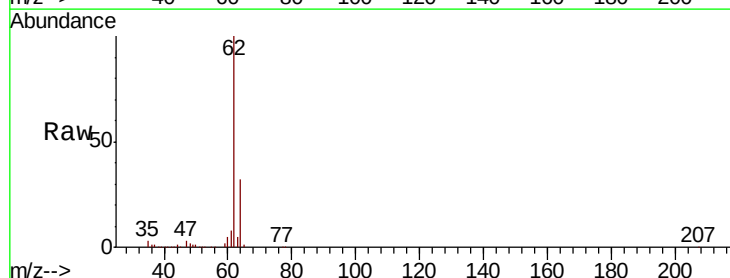
Acq: 05 Sep 2019 10:46

Tgt Ion: 62 Resp: 434233

Ion Ratio Lower Upper

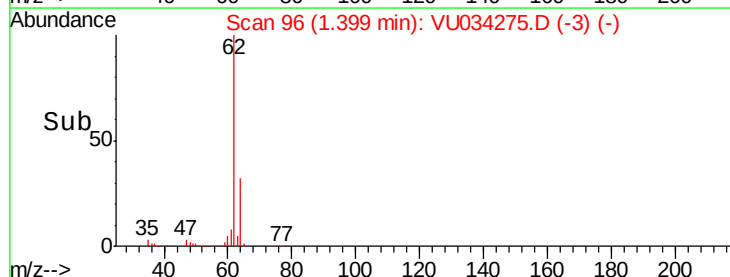
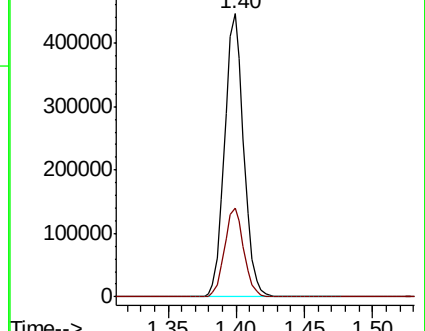
62 100

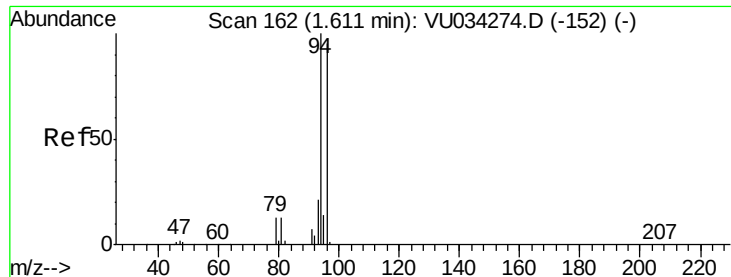
64 31.6 26.2 39.4



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

Ion 63.90 (63.60 to 64.60): VU034275.D (-3) (-)





#5

Bromomethane

Concen: 96.974 ug/l

RT: 1.60 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

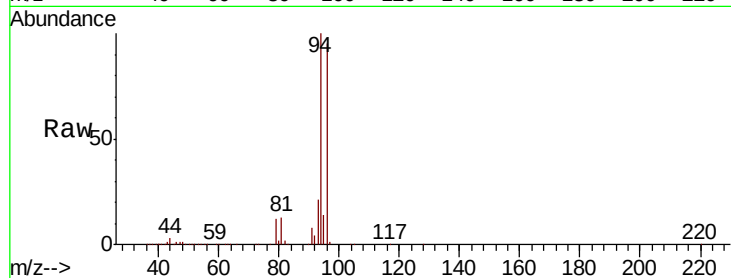
VSTDIC100

Tgt Ion: 94 Resp: 247734

Ion Ratio Lower Upper

94 100

96 95.6 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034275.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034275.D (-152) (-)

1.60

250000

200000

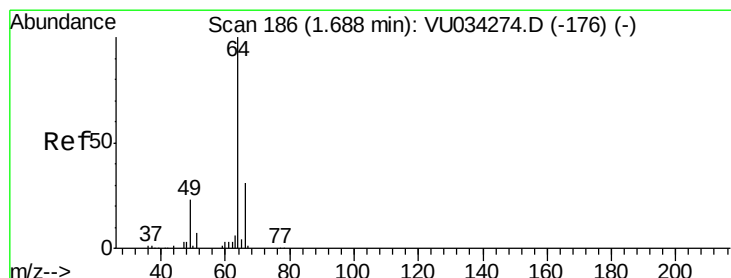
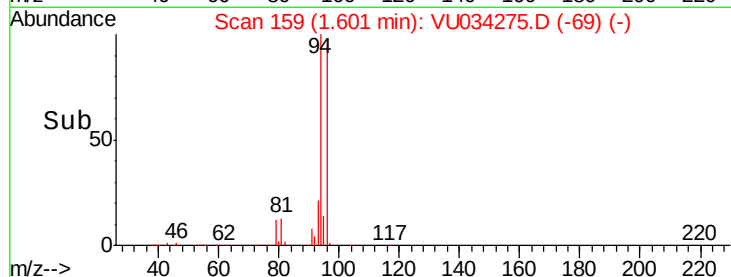
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 91.524 ug/l

RT: 1.68 min Scan# 183

Delta R.T. -0.01 min

Lab File: VU034275.D

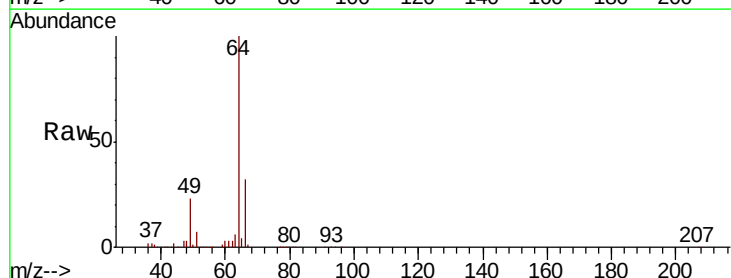
Acq: 05 Sep 2019 10:46

Tgt Ion: 64 Resp: 272371

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034275.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034275.D (-176) (-)

1.68

250000

200000

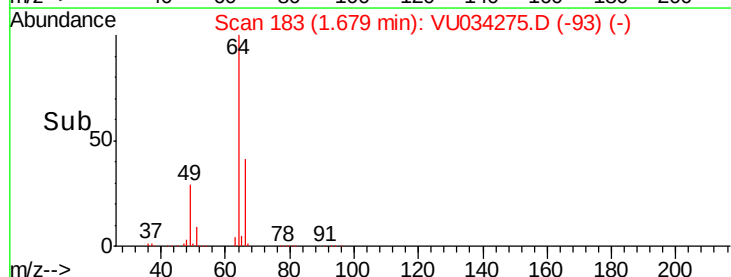
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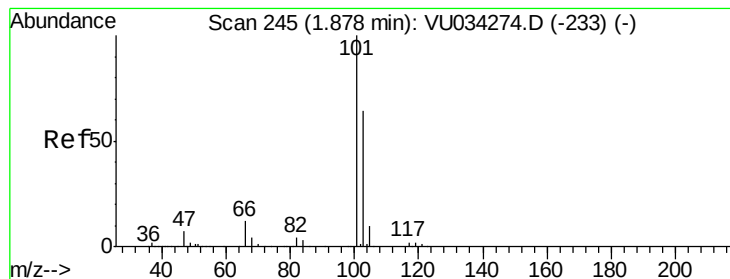
100000

50000

0

Time-->



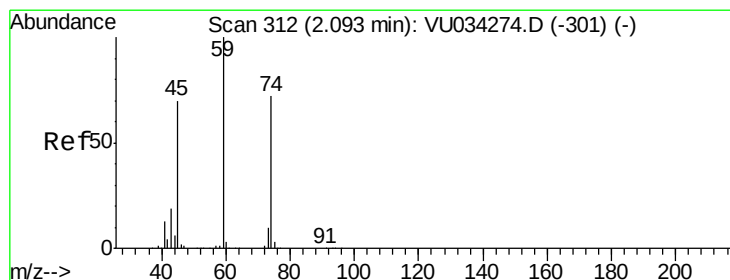
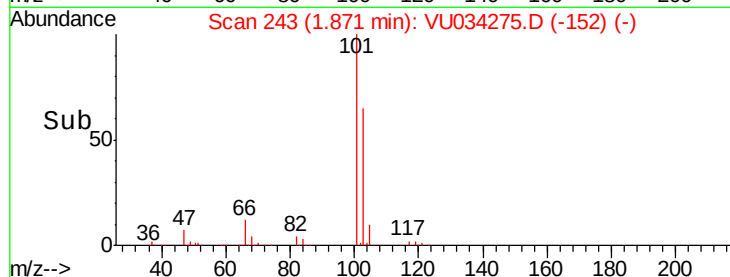
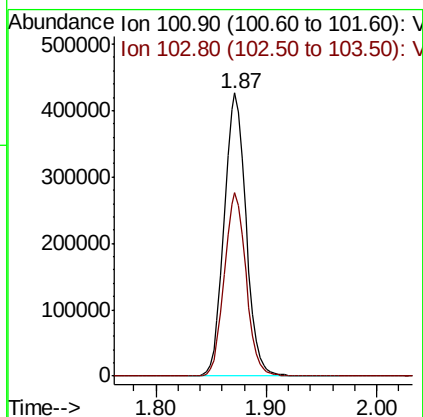
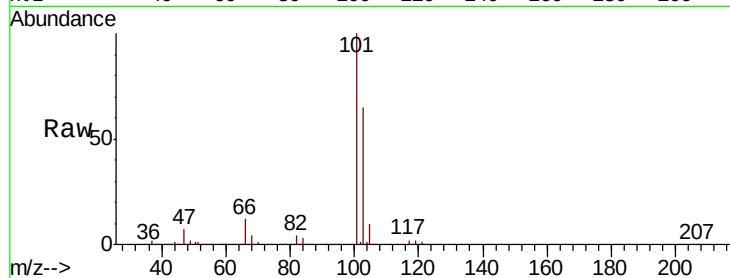


#7

Trichlorofluoromethane
 Concen: 103.170 ug/l
 RT: 1.87 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

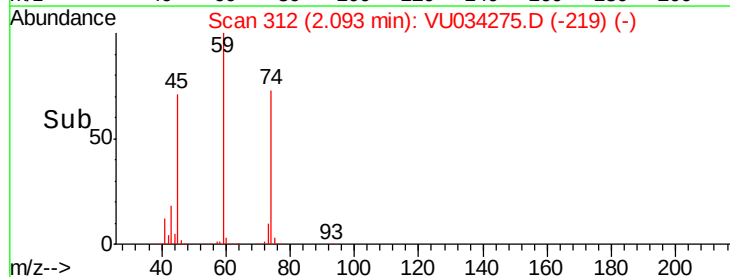
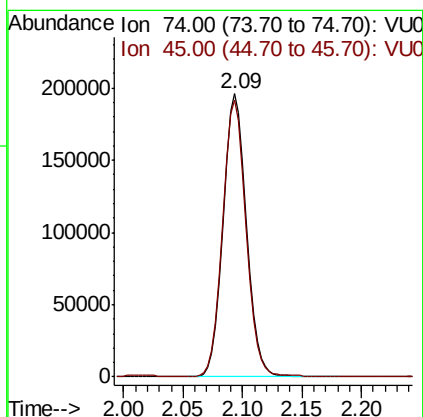
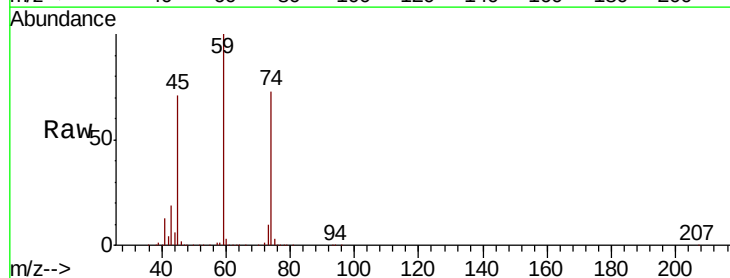
Tgt Ion:101 Resp: 588291
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.0 76.6

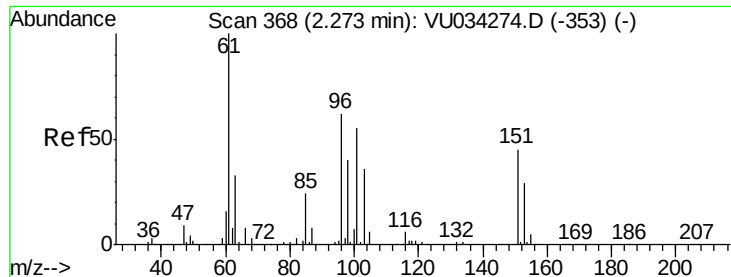


#8

Diethyl Ether
 Concen: 108.094 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion: 74 Resp: 265990
 Ion Ratio Lower Upper
 74 100
 45 97.7 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.932 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

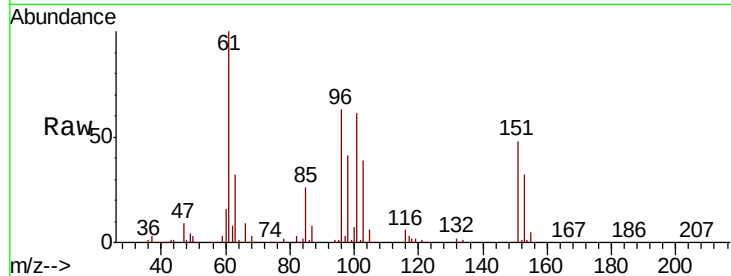
Tgt Ion:101 Resp: 385323

Ion Ratio Lower Upper

101 100

85 42.5 34.4 51.6

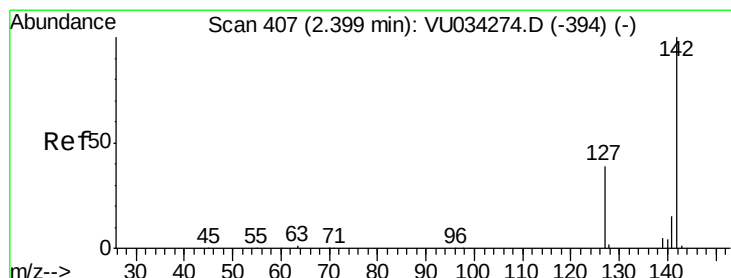
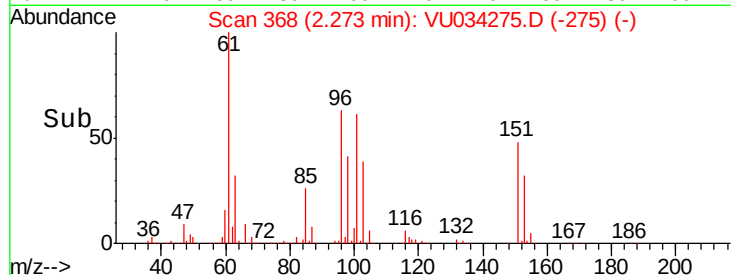
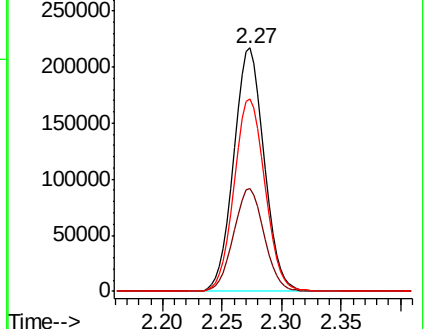
151 80.3 64.4 96.6



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: 87.452 ug/l

RT: 2.40 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

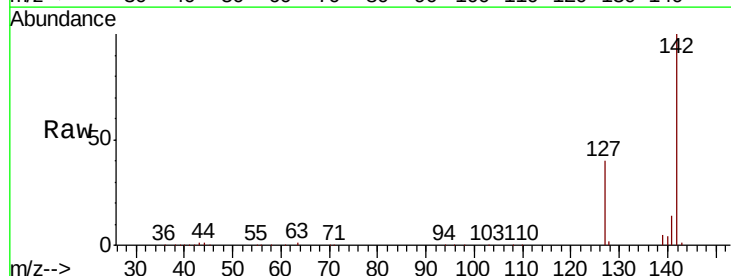
Tgt Ion:142 Resp: 415980

Ion Ratio Lower Upper

142 100

127 39.8 32.1 48.1

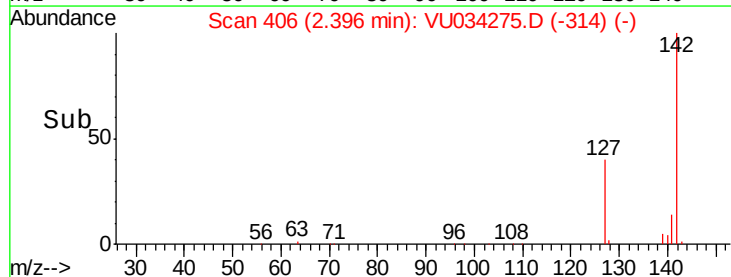
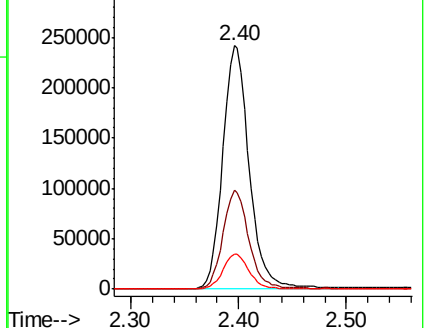
141 14.3 11.5 17.3

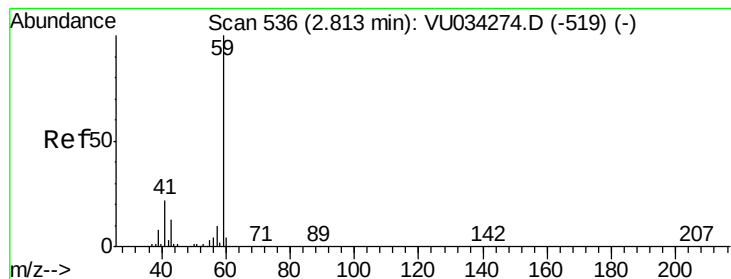


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



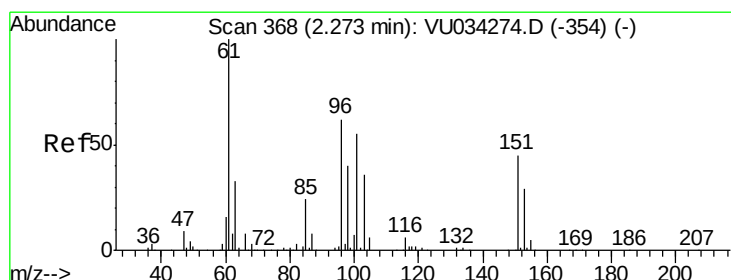
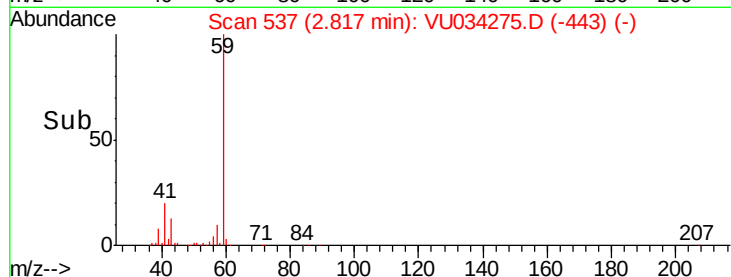
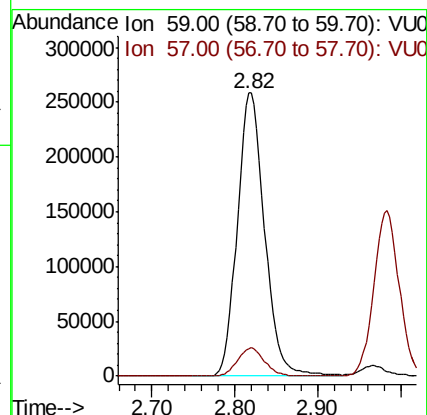
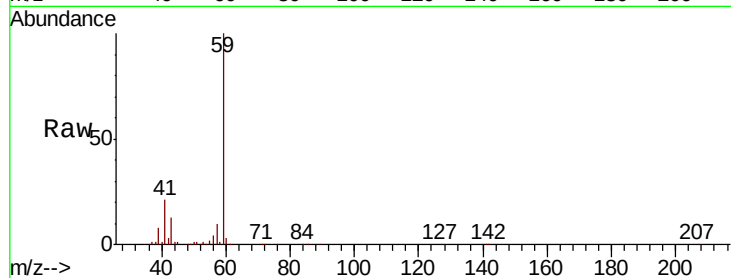


#11

Tert butyl alcohol
 Concen: 542.942 ug/l
 RT: 2.82 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

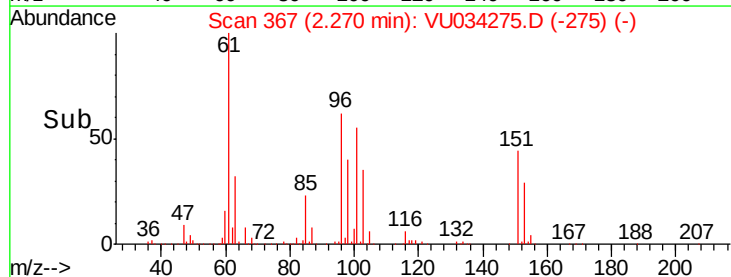
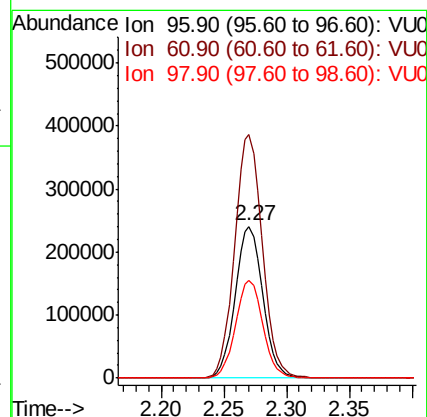
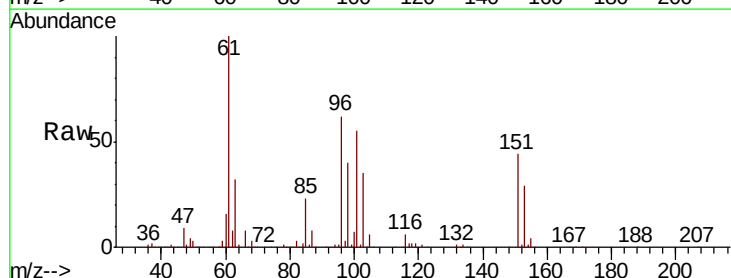
Tgt Ion: 59 Resp: 591713
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.9 11.9

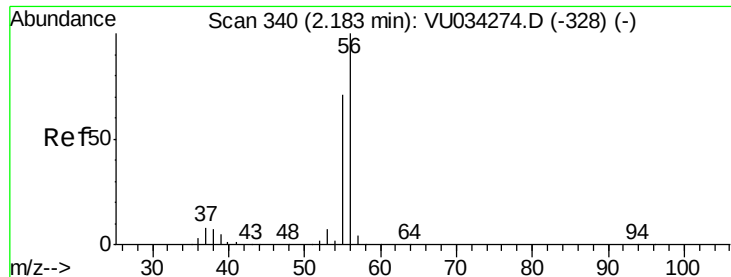


#12

1,1-Dichloroethene
 Concen: 100.287 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion: 96 Resp: 367552
 Ion Ratio Lower Upper
 96 100
 61 160.5 130.0 195.0
 98 64.5 52.2 78.4





#13

Acrolein

Concen: 816.731 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

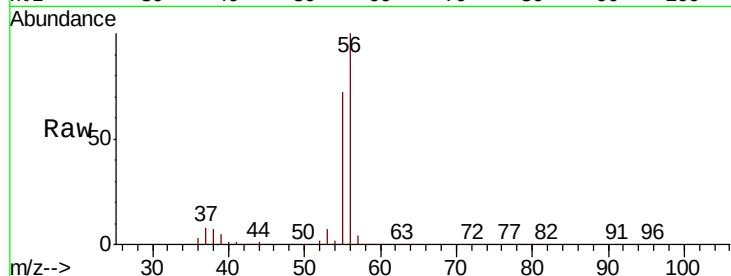
VSTDIC100

Tgt Ion: 56 Resp: 454142

Ion Ratio Lower Upper

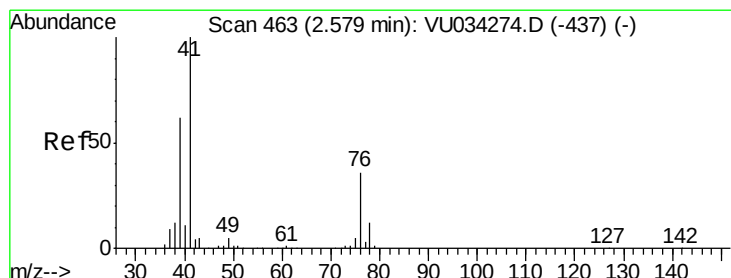
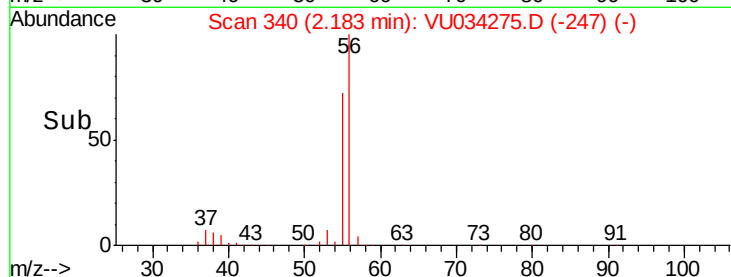
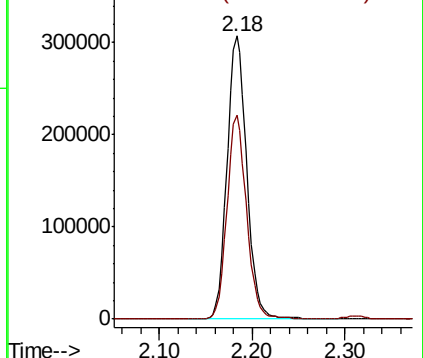
56 100

55 71.2 57.4 86.2



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

Ion 55.00 (54.70 to 55.70): VU034275.D (-247) (-)



#14

Allyl chloride

Concen: 91.609 ug/l

RT: 2.58 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

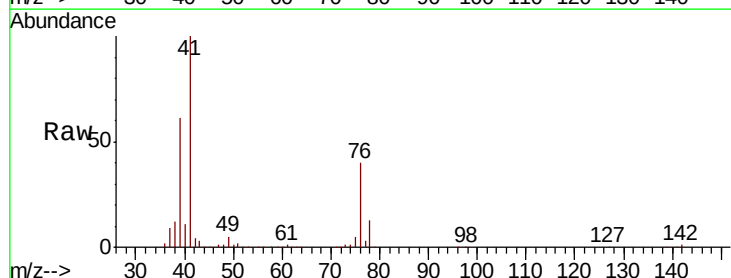
Tgt Ion: 41 Resp: 633797

Ion Ratio Lower Upper

41 100

39 61.4 43.5 65.3

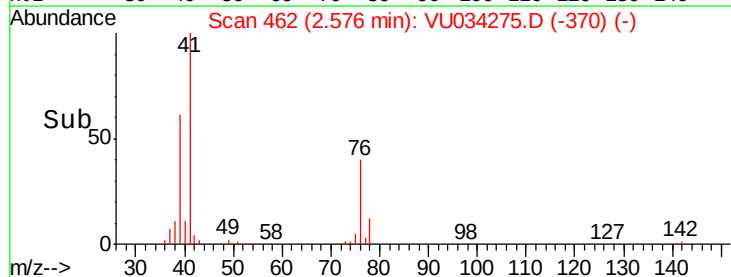
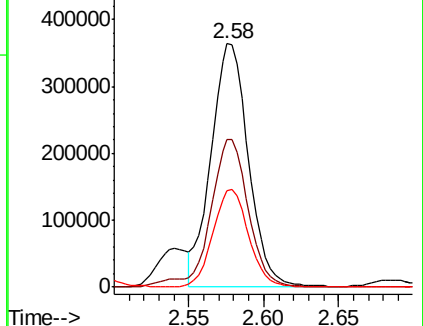
76 38.4 27.0 40.6

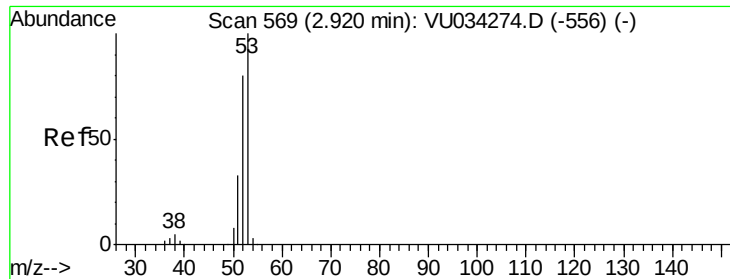


Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-437) (-)

Ion 39.00 (38.70 to 39.70): VU034275.D (-370) (-)

Ion 75.90 (75.60 to 76.60): VU034275.D (-370) (-)





#15

Acrylonitrile

Concen: 569.474 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

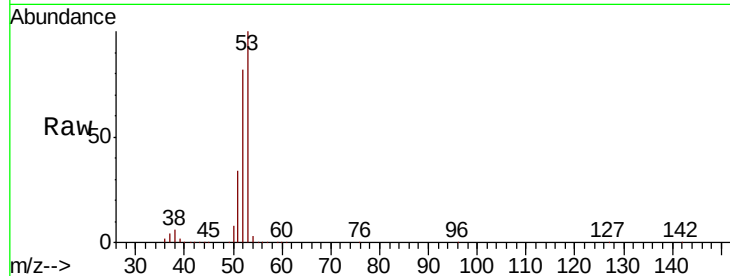
MSVOA_U

ClientSampleId :

VSTDIC100

Tgt Ion: 53 Resp: 1447489

Ion	Ratio	Lower	Upper
53	100		
52	82.1	64.1	96.1
51	34.7	27.4	41.0

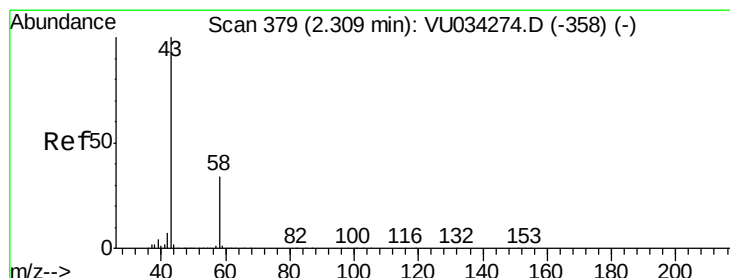
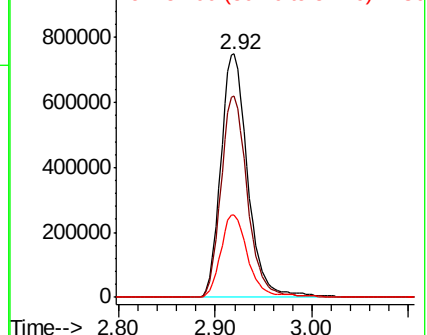
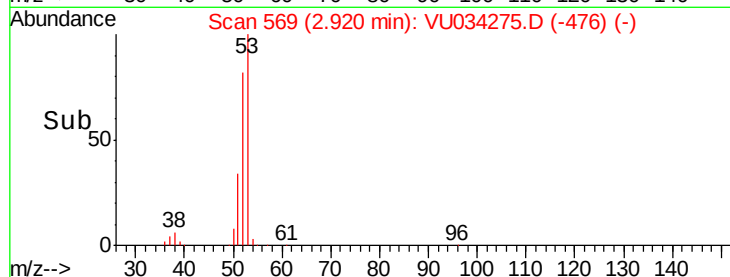


Abundance

Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 532.851 ug/l

RT: 2.31 min Scan# 379

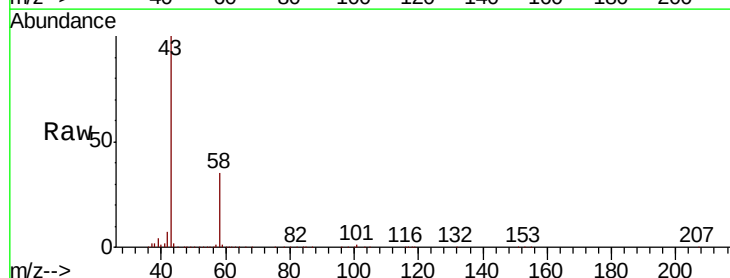
Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Tgt Ion: 43 Resp: 1296676

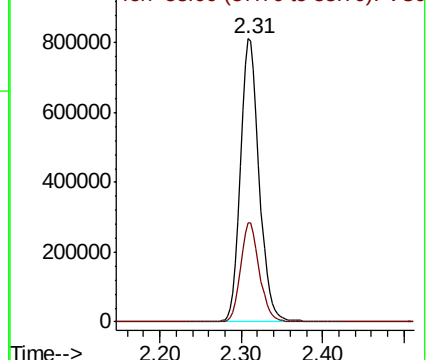
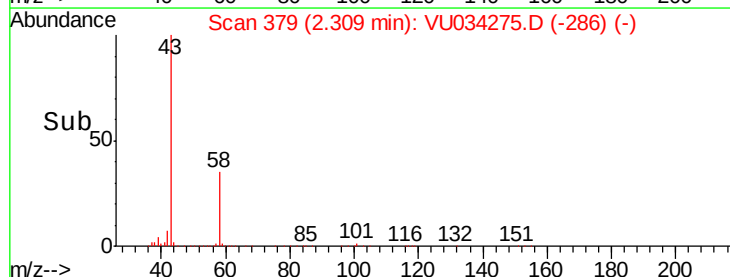
Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.6	41.4

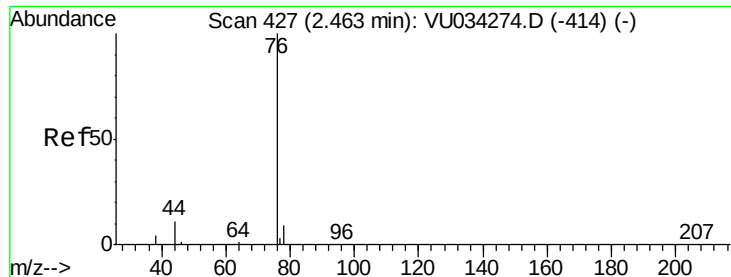


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

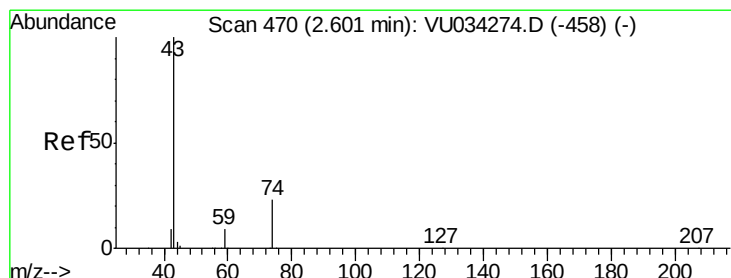
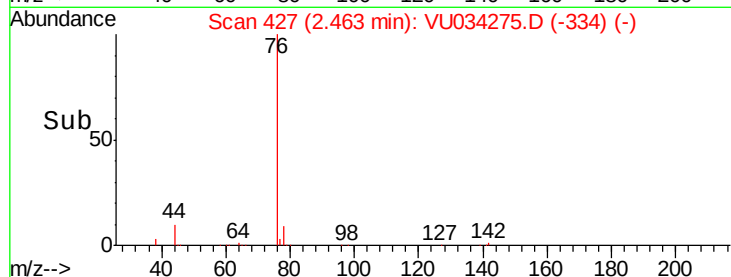
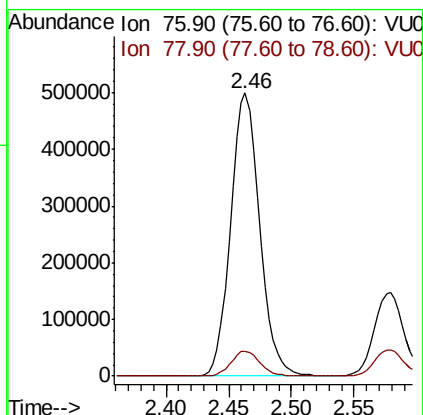
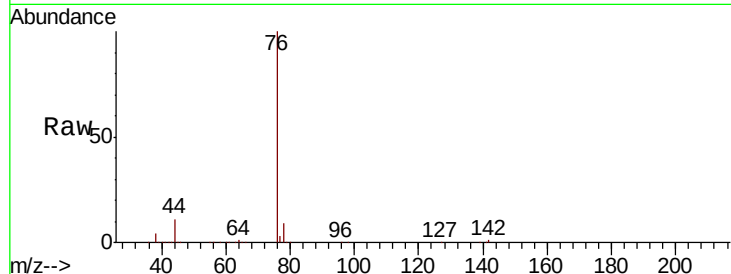




#17
Carbon Disulfide
Concen: 72.562 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

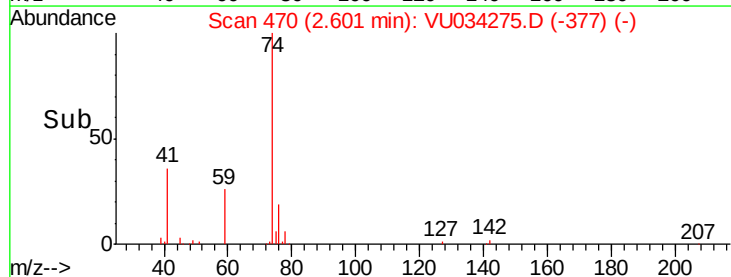
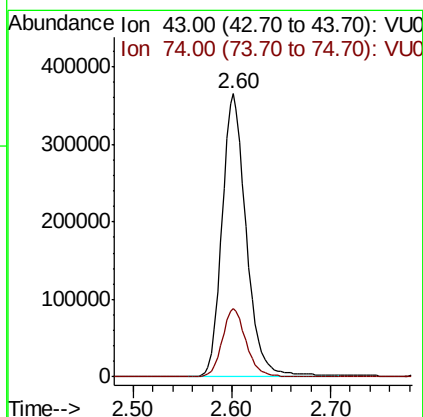
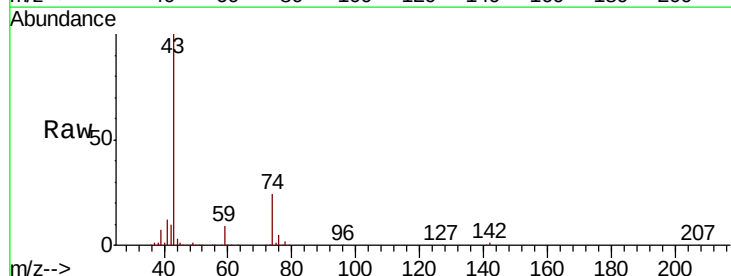
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

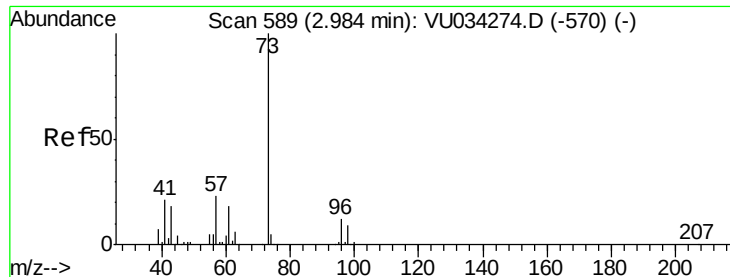
Tgt Ion: 76 Resp: 801353
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 99.686 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion: 43 Resp: 626771
Ion Ratio Lower Upper
43 100
74 24.4 18.9 28.3

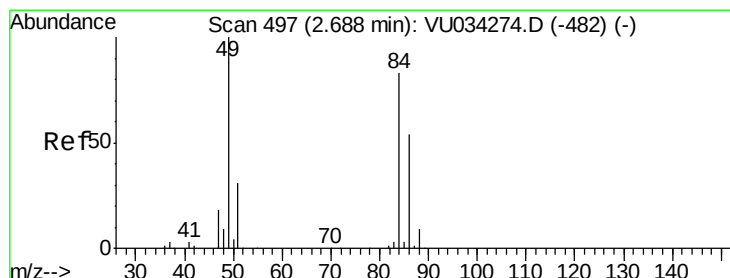
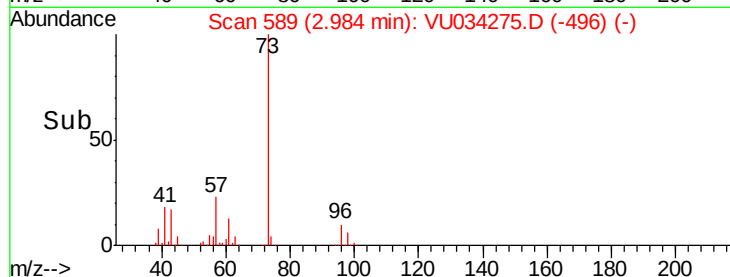
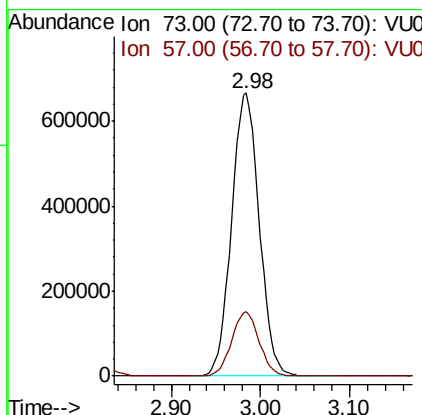
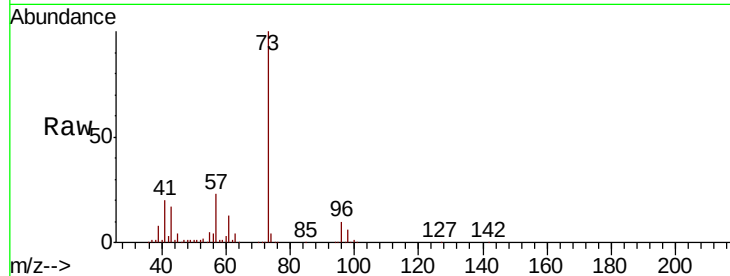




#19
Methyl tert-butyl Ether
Concen: 116.490 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

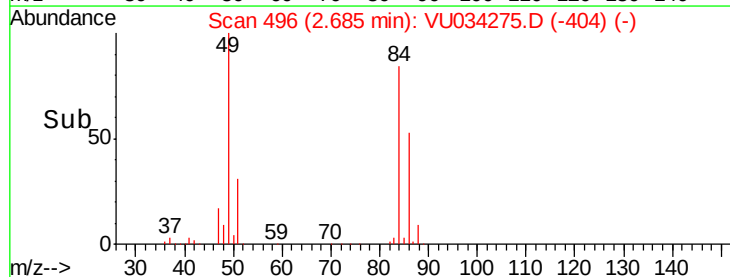
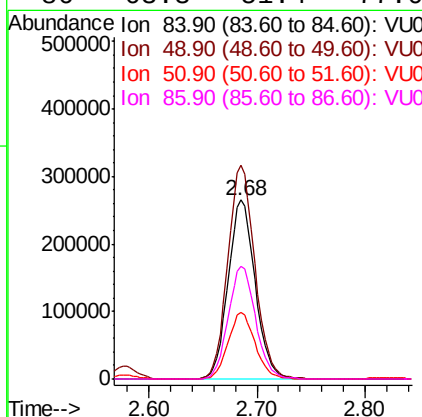
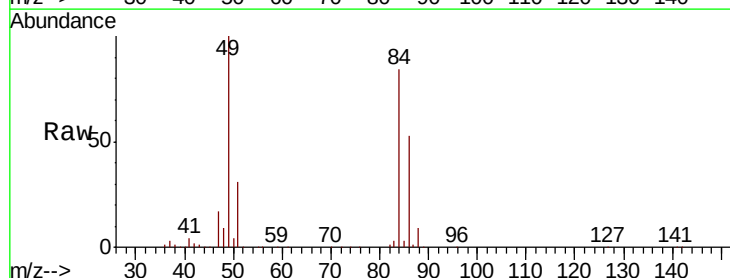
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

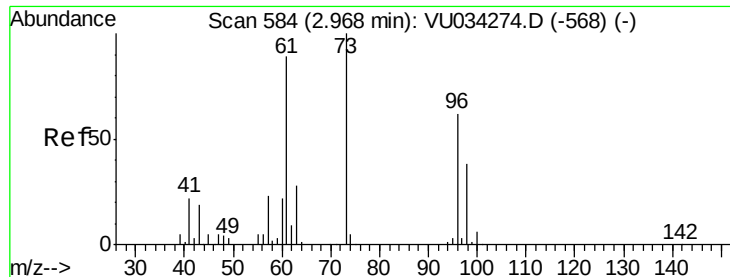
Tgt Ion: 73 Resp: 1430501
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.4



#20
Methylene Chloride
Concen: 101.168 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion: 84 Resp: 463283
Ion Ratio Lower Upper
84 100
49 119.5 96.0 144.0
51 37.1 30.0 45.0
86 63.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 98.220 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

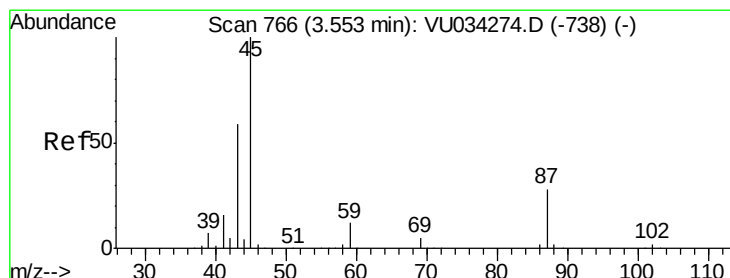
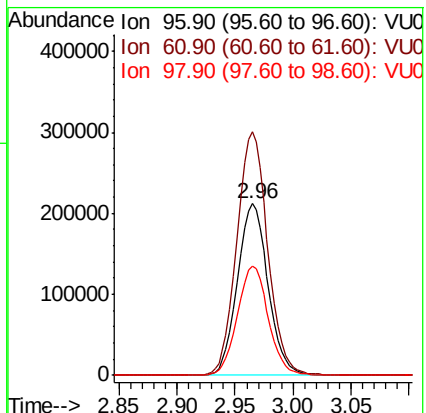
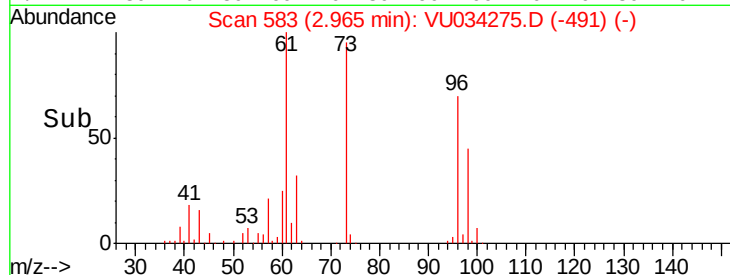
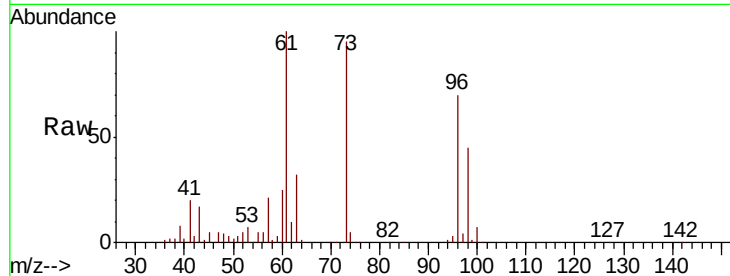
Tgt Ion: 96 Resp: 388462

Ion Ratio Lower Upper

96 100

61 142.1 114.8 172.2

98 64.0 49.8 74.8



#22

Diisopropyl ether

Concen: 114.106 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Tgt Ion: 45 Resp: 1470609

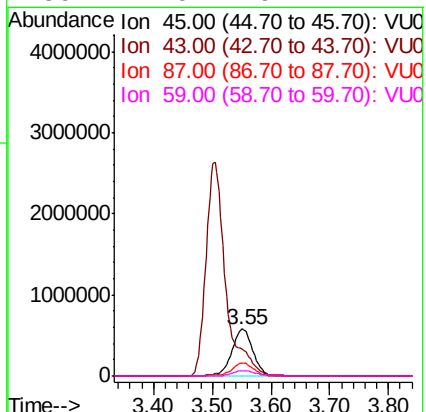
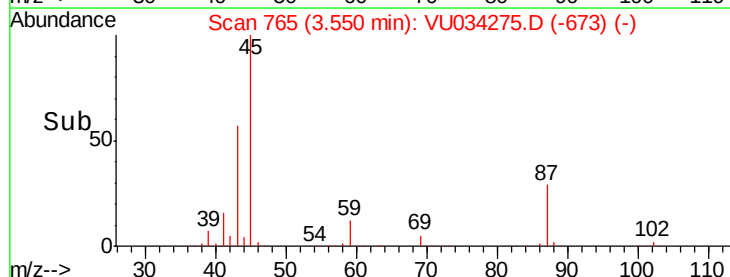
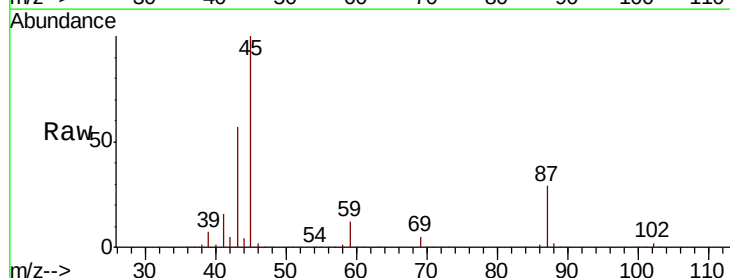
Ion Ratio Lower Upper

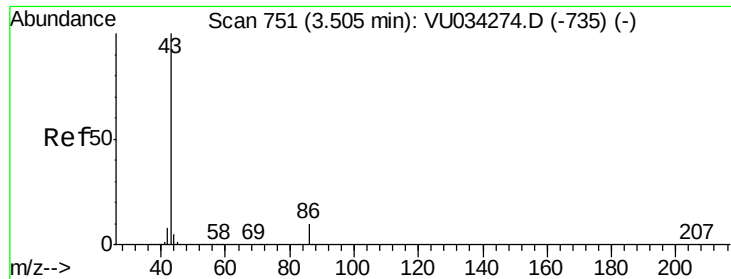
45 100

43 56.8 47.5 71.3

87 28.5 22.2 33.4

59 12.0 9.4 14.2





#23

Vinyl Acetate

Concen: 569.204 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

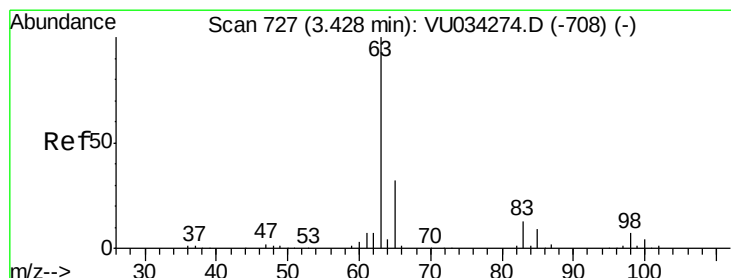
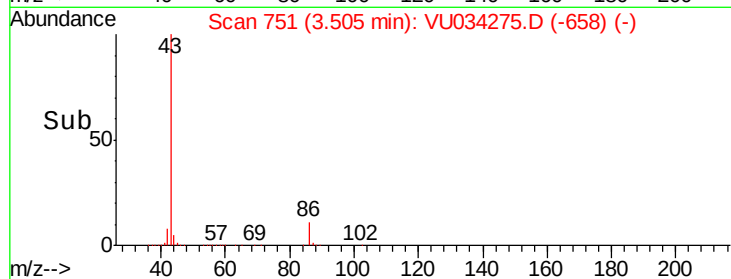
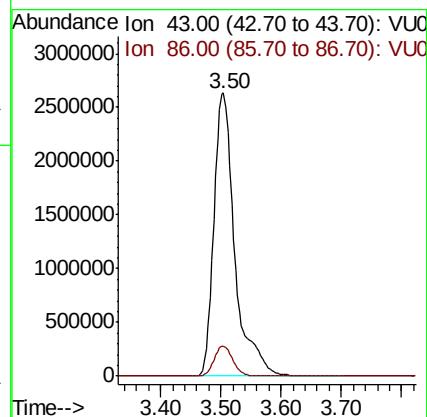
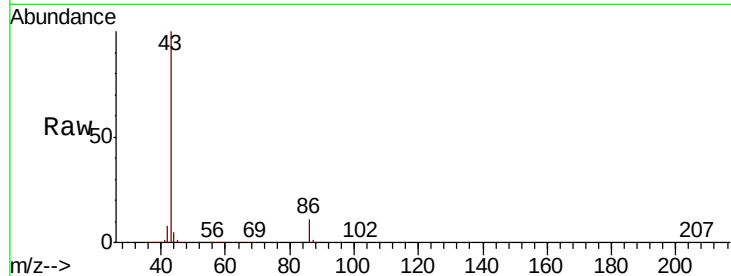
VSTDIC100

Tgt Ion: 43 Resp: 6244360

Ion Ratio Lower Upper

43 100

86 10.8 8.3 12.5



#24

1,1-Dichloroethane

Concen: 108.585 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

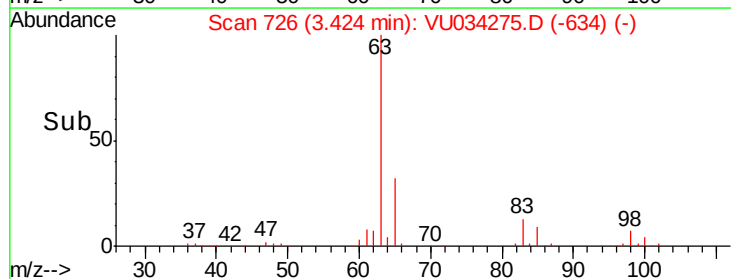
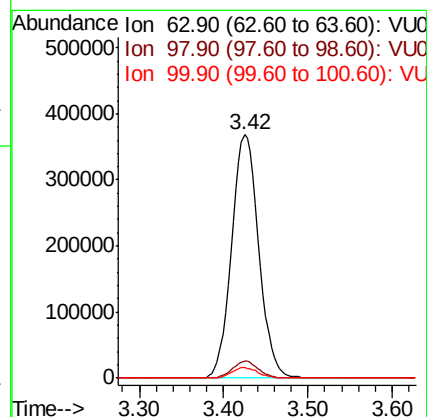
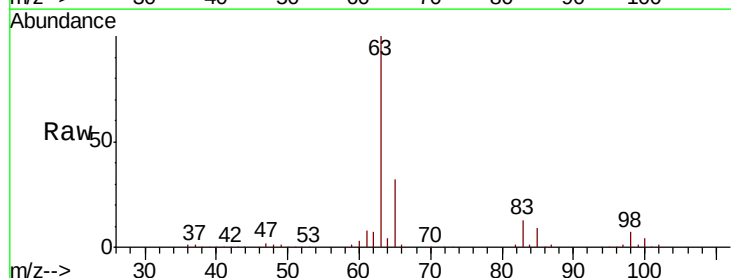
Tgt Ion: 63 Resp: 822149

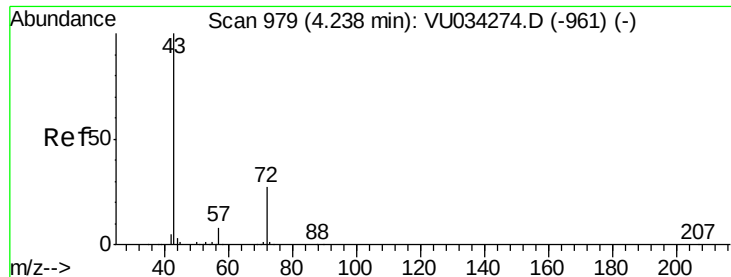
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 582.600 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

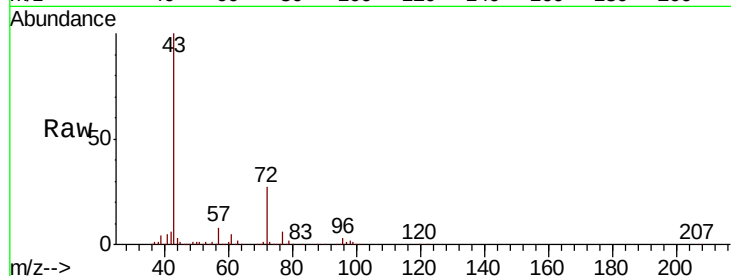
VSTDIC100

Tgt Ion: 43 Resp: 1970612

Ion Ratio Lower Upper

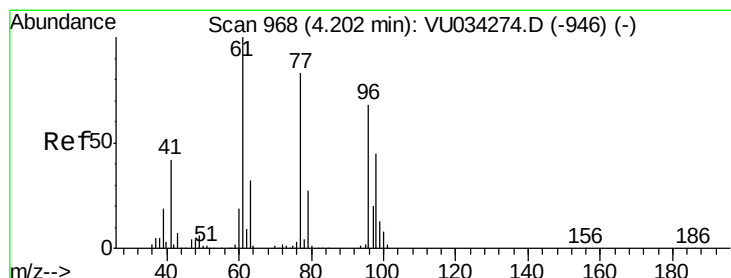
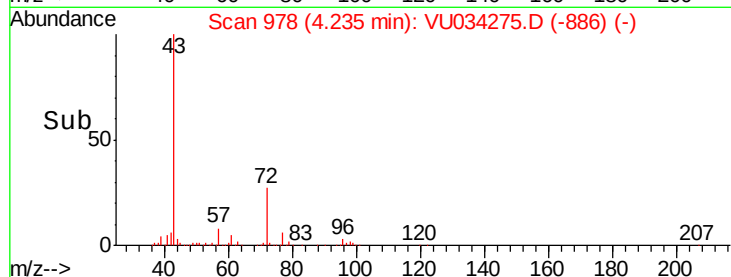
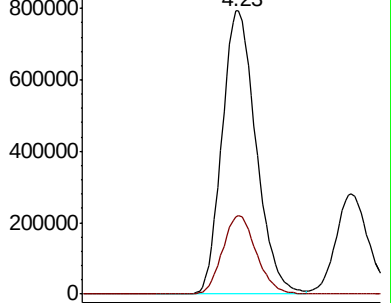
43 100

72 27.4 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-961) (-)



#26

2,2-Dichloropropane

Concen: 109.354 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034275.D

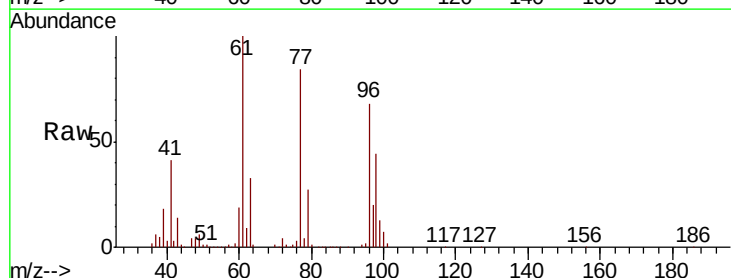
Acq: 05 Sep 2019 10:46

Tgt Ion: 77 Resp: 672803

Ion Ratio Lower Upper

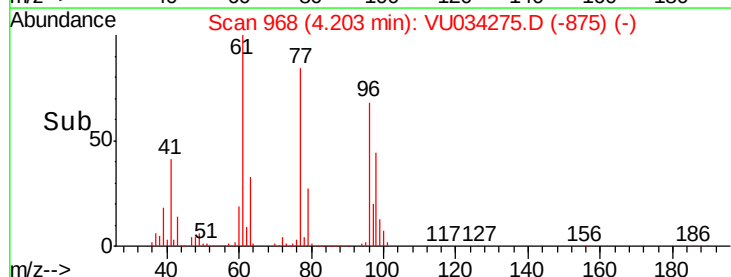
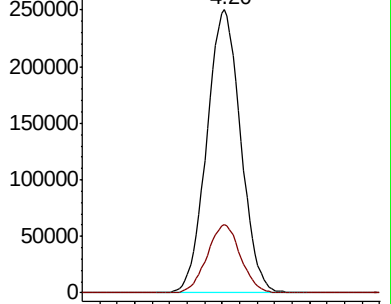
77 100

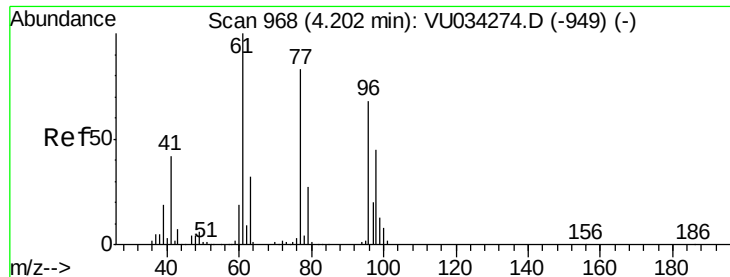
97 23.8 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034274.D (-946) (-)

Ion 96.90 (96.60 to 97.60): VU034274.D (-946) (-)



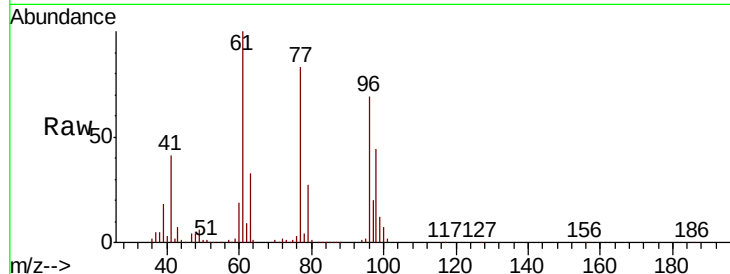


#27

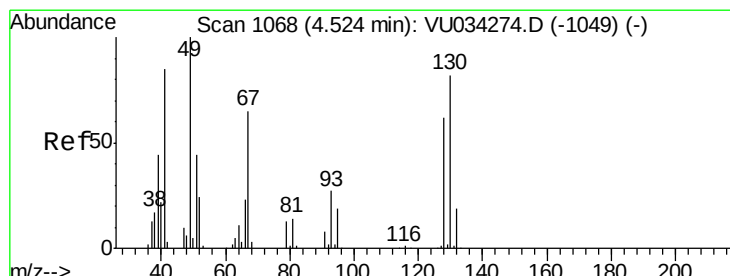
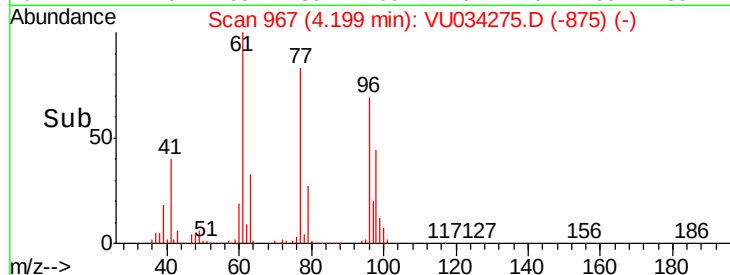
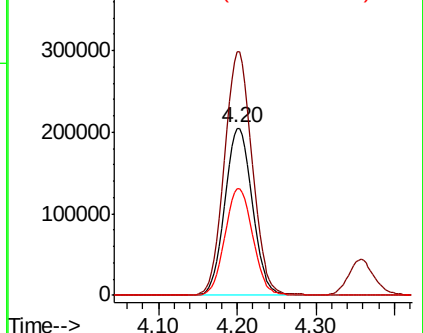
cis-1,2-Dichloroethene
Concen: 109.687 ug/l
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	495496		
61	146.9	0.0	297.4
98	64.6	0.0	130.0



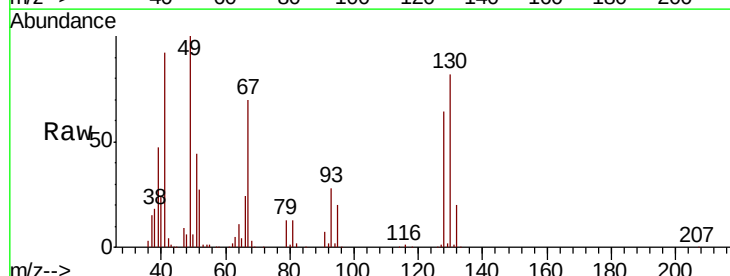
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



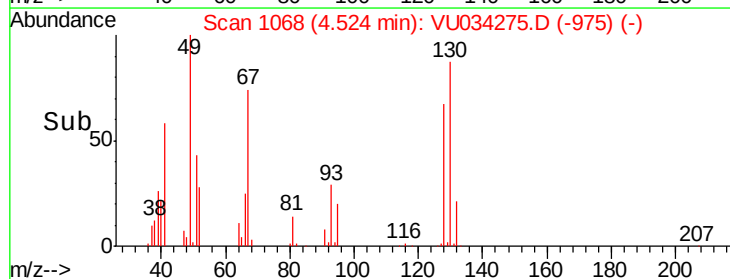
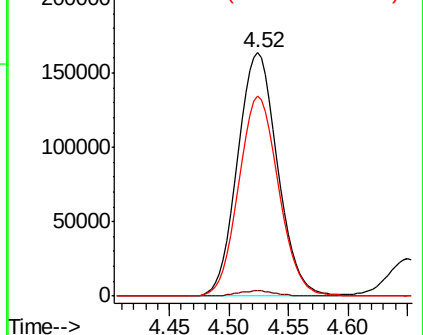
#28

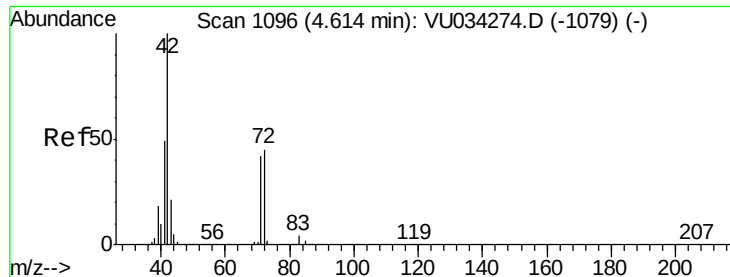
Bromochloromethane
Concen: 101.563 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion	Resp	Lower	Upper
49	381141		
129	2.1	0.0	3.8
130	82.3	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: 566.393 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

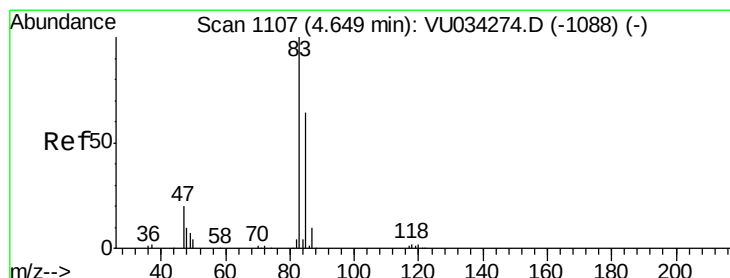
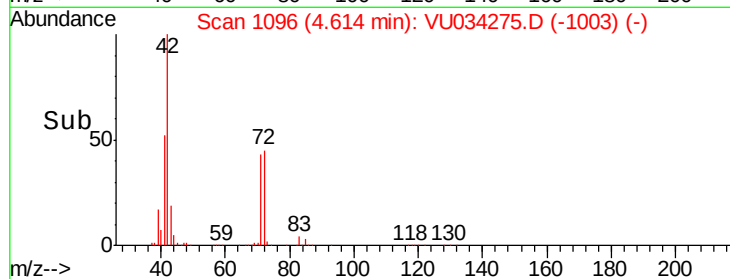
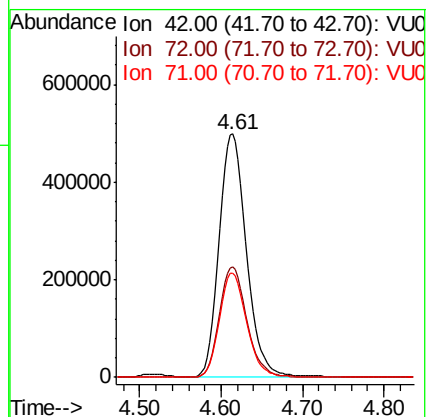
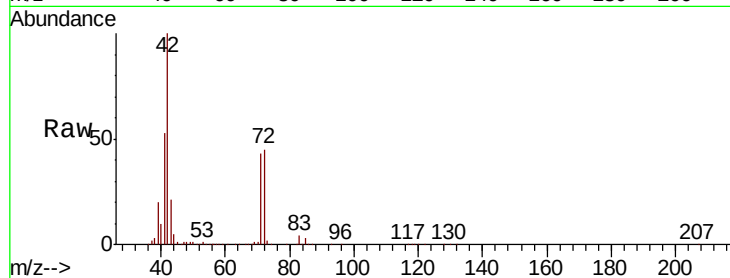
Tgt Ion: 42 Resp: 1181784

Ion Ratio Lower Upper

42 100

72 45.9 36.6 54.8

71 42.9 34.3 51.5



#30

Chloroform

Concen: 106.761 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034275.D

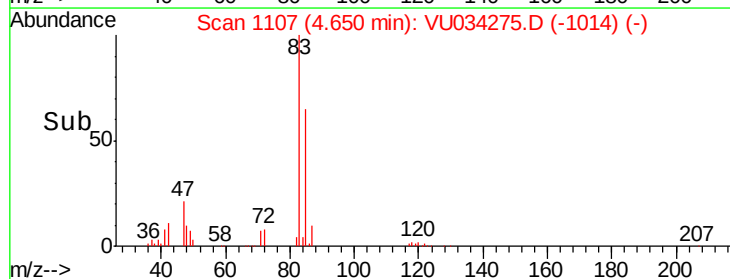
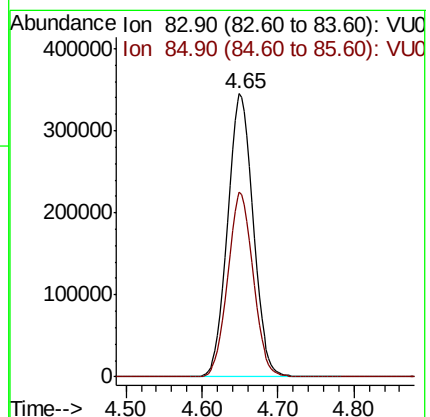
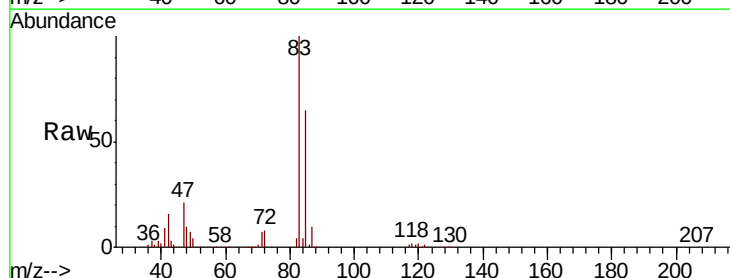
Acq: 05 Sep 2019 10:46

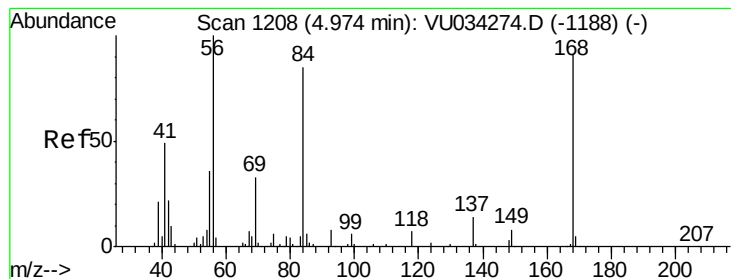
Tgt Ion: 83 Resp: 812765

Ion Ratio Lower Upper

83 100

85 65.2 51.5 77.3





#31

Cyclohexane

Concen: 90.076 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

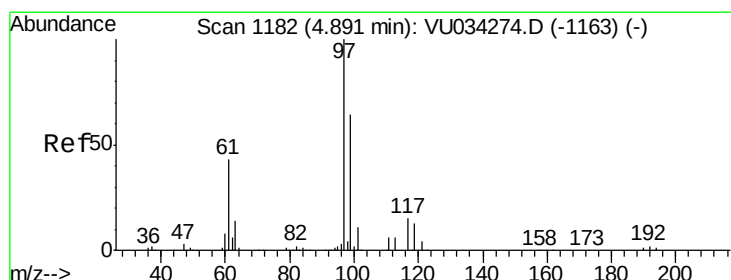
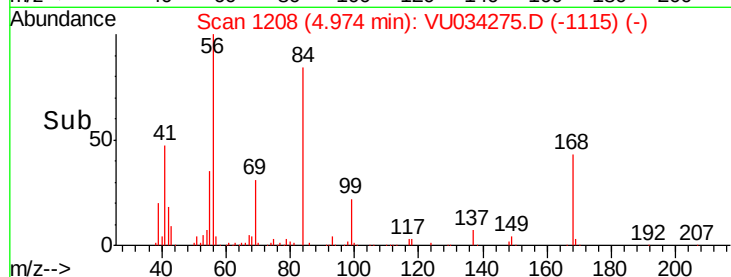
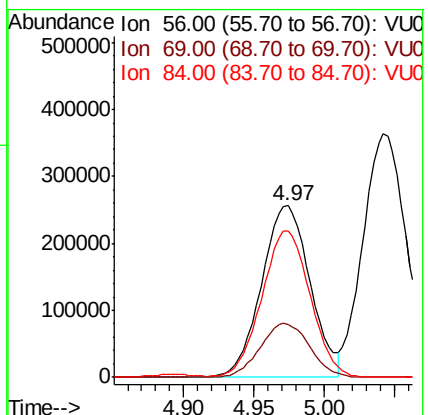
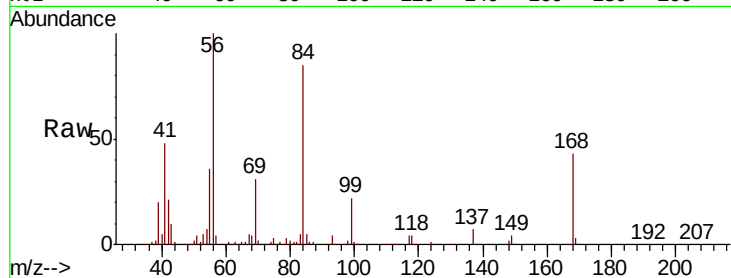
Tgt Ion: 56 Resp: 614309

Ion Ratio Lower Upper

56 100

69 30.9 26.7 40.1

84 84.1 68.2 102.4



#32

1,1,1-Trichloroethane

Concen: 108.406 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

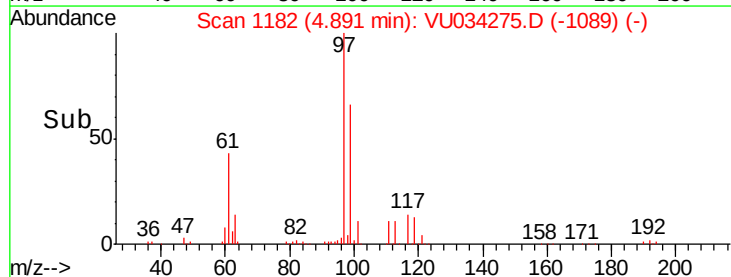
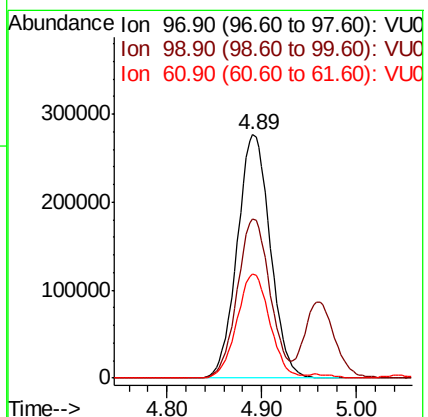
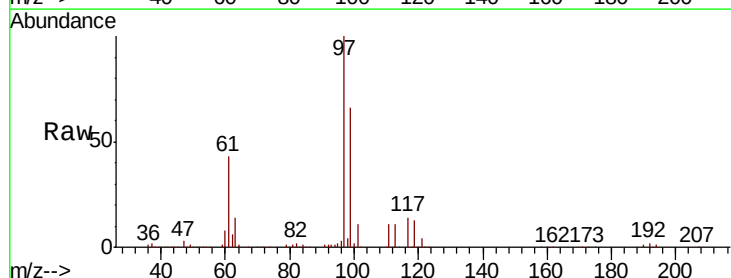
Tgt Ion: 97 Resp: 671220

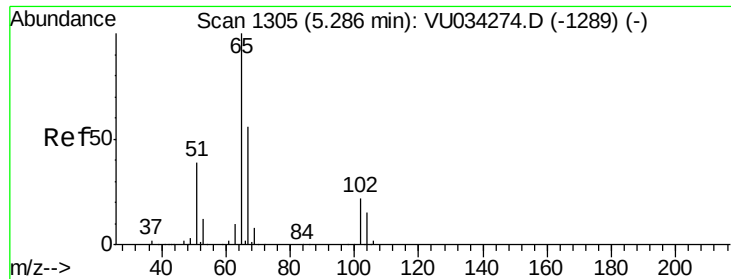
Ion Ratio Lower Upper

97 100

99 65.2 50.9 76.3

61 42.7 34.7 52.1

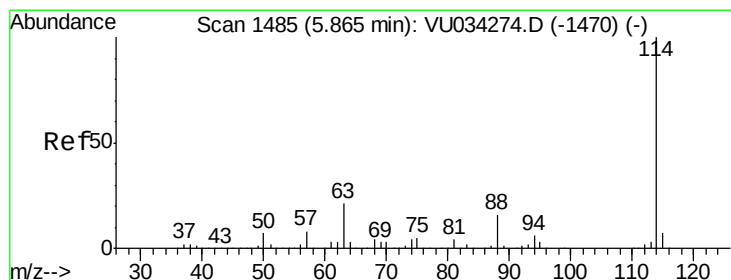
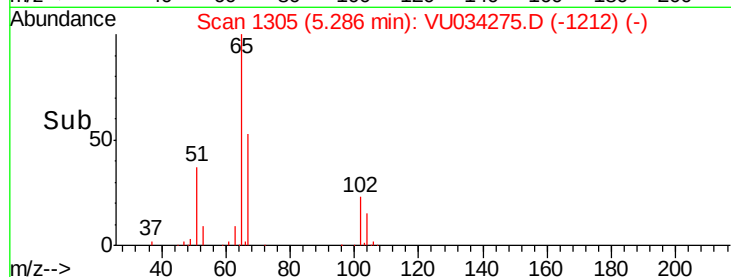
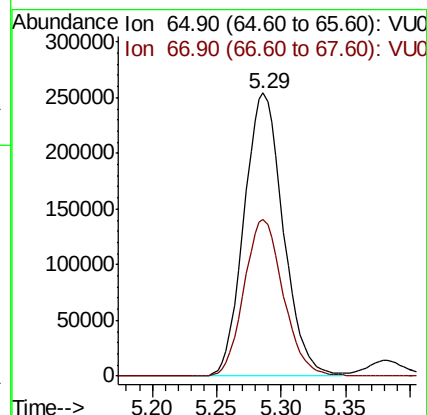
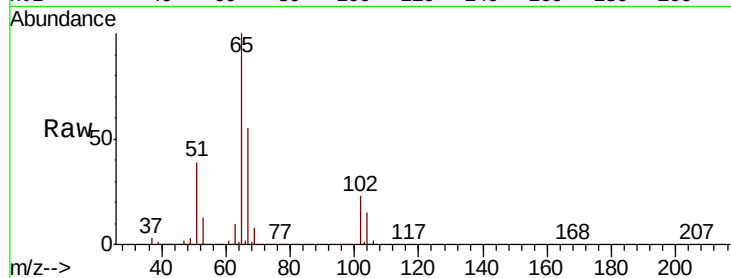




#33
 1,2-Dichloroethane-d4
 Concen: 110.658 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

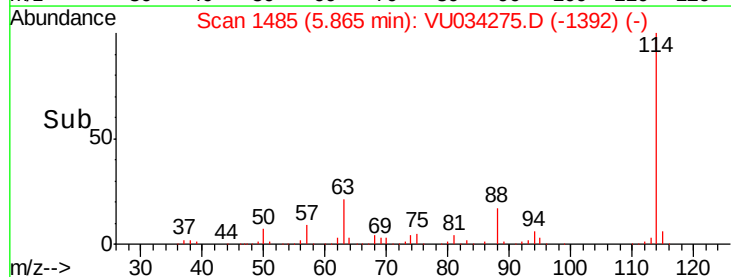
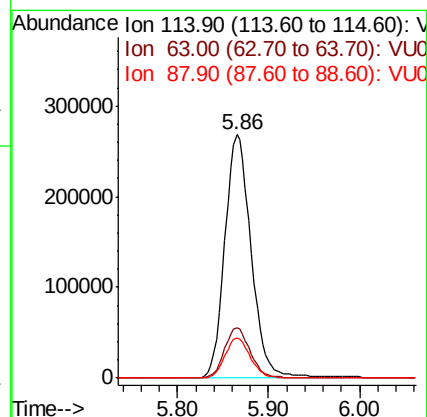
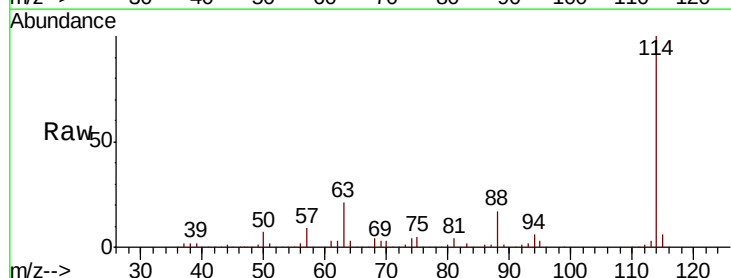
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

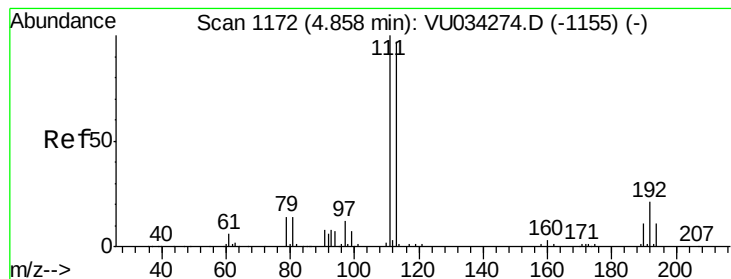
Tgt Ion: 65 Resp: 538133
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion: 114 Resp: 541528
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.4
 88 16.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 119.012 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

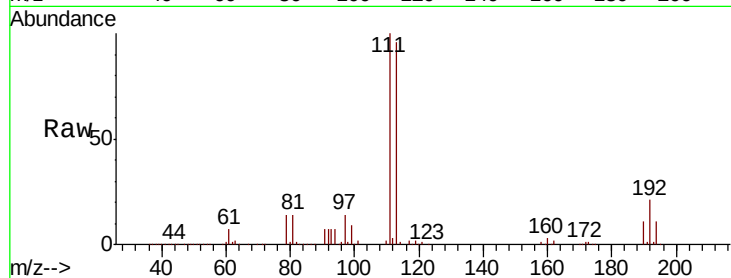
Tgt Ion:113 Resp: 472619

Ion Ratio Lower Upper

113 100

111 102.6 81.5 122.3

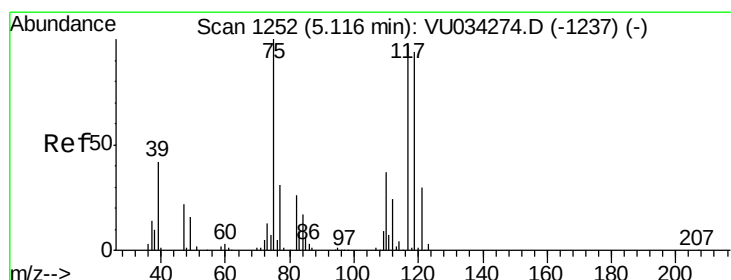
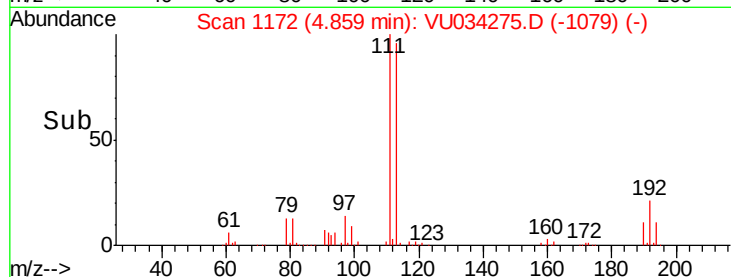
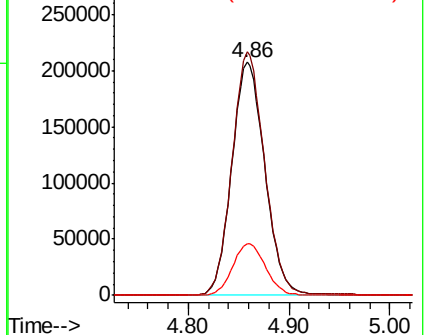
192 22.1 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 107.781 ug/l

RT: 5.11 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

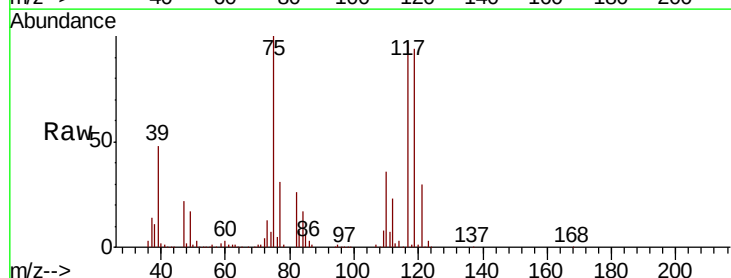
Tgt Ion: 75 Resp: 552812

Ion Ratio Lower Upper

75 100

110 36.2 18.3 54.9

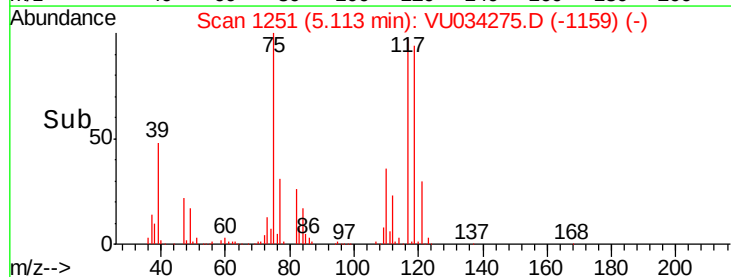
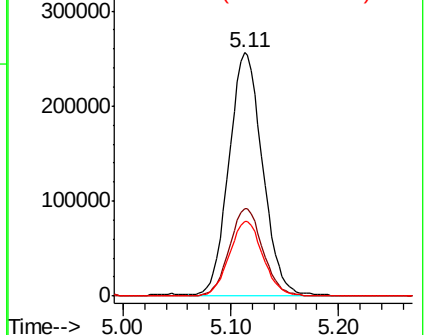
77 30.9 24.9 37.3

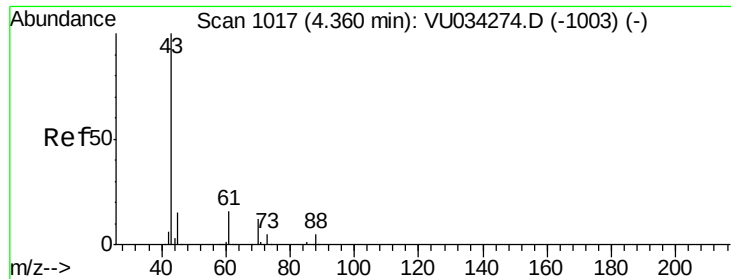


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

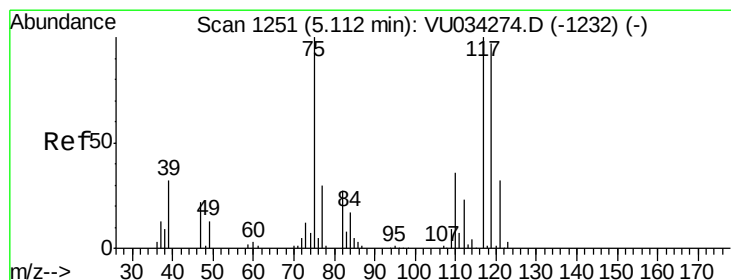
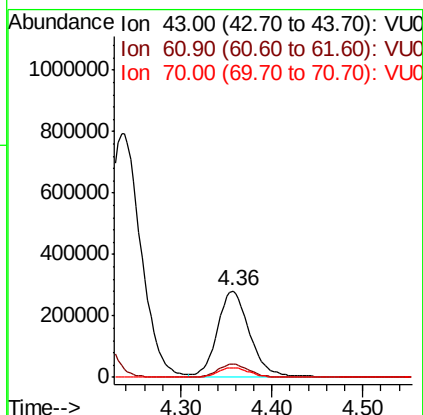
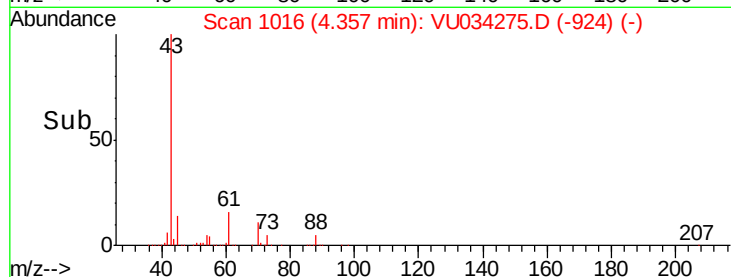
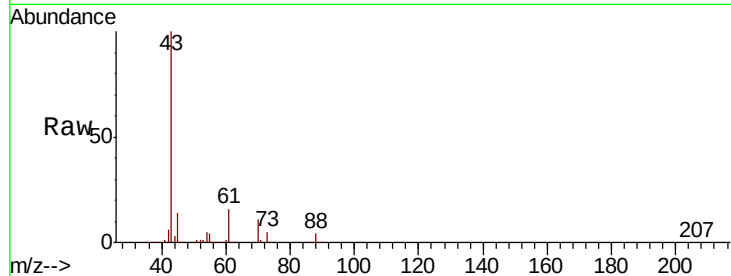




#37
Ethyl Acetate
Concen: 116.837 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

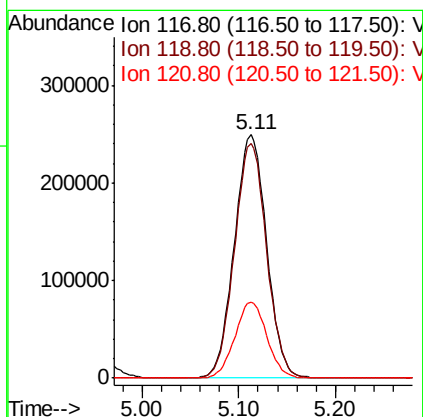
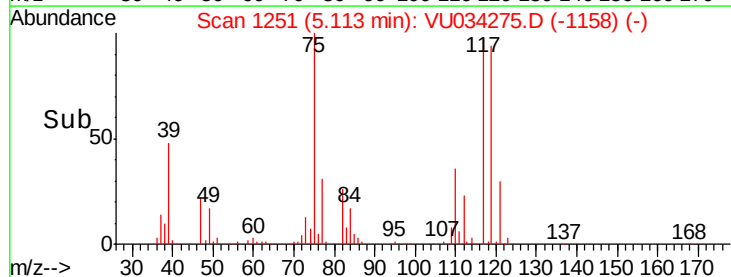
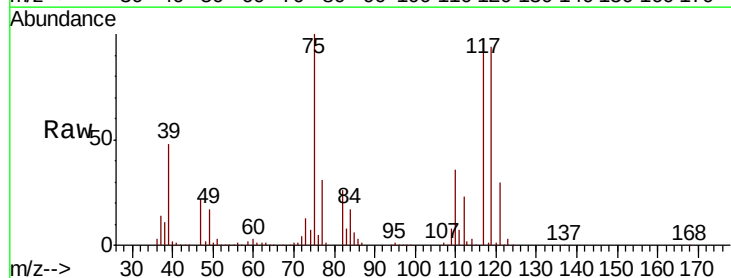
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

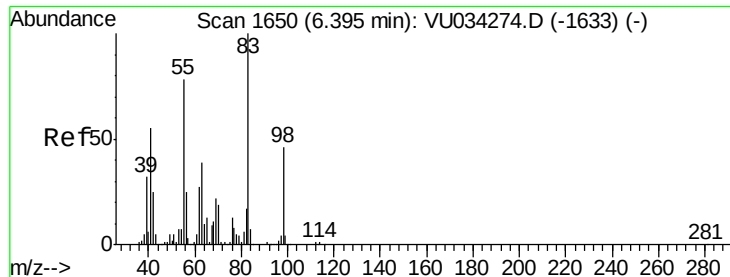
Tgt Ion: 43 Resp: 680521
Ion Ratio Lower Upper
43 100
61 15.1 12.3 18.5
70 11.2 9.1 13.7



#38
Carbon Tetrachloride
Concen: 114.540 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion: 117 Resp: 577242
Ion Ratio Lower Upper
117 100
119 96.5 77.8 116.6
121 31.1 25.2 37.8

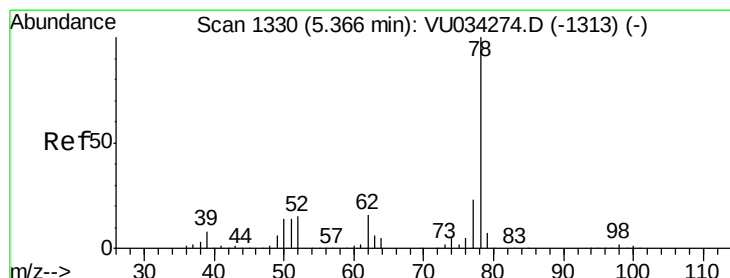
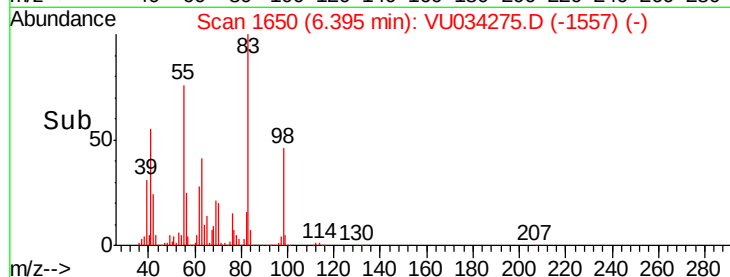
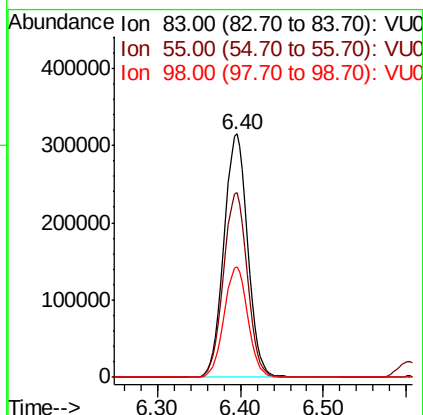
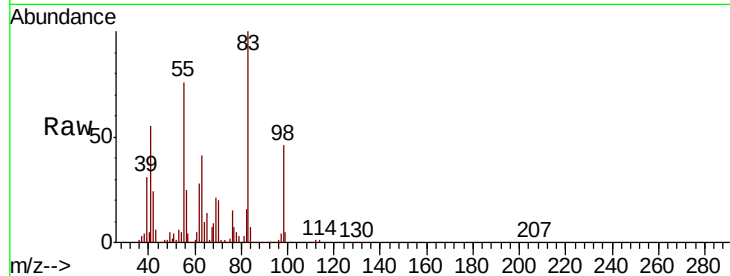




#39
Methylcyclohexane
Concen: 105.640 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

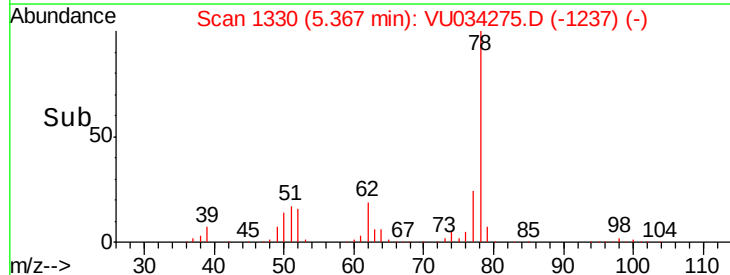
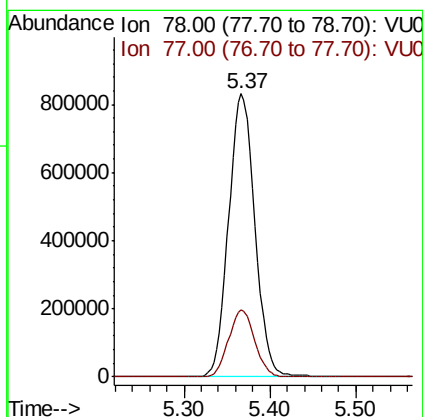
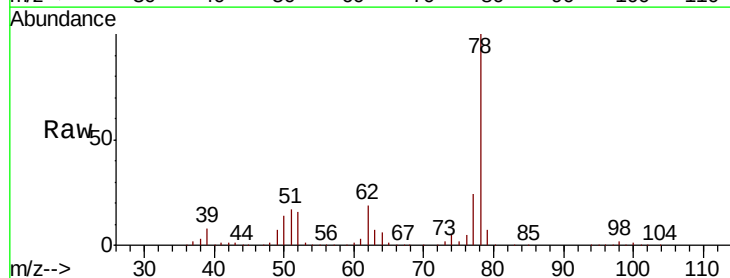
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

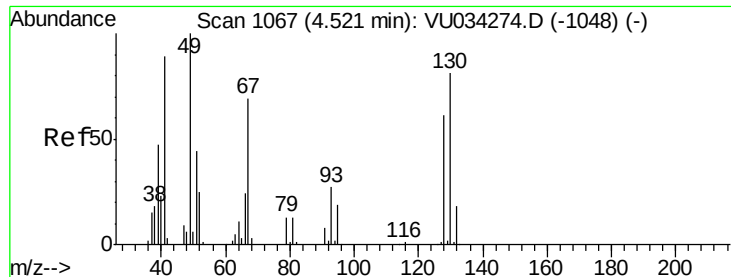
Tgt Ion: 83 Resp: 627532
Ion Ratio Lower Upper
83 100
55 75.6 62.1 93.1
98 45.6 37.0 55.6



#40
Benzene
Concen: 112.211 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion: 78 Resp: 1764914
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1





#41

Methacrylonitrile

Concen: 126.346 ug/l

RT: 4.52 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 381302

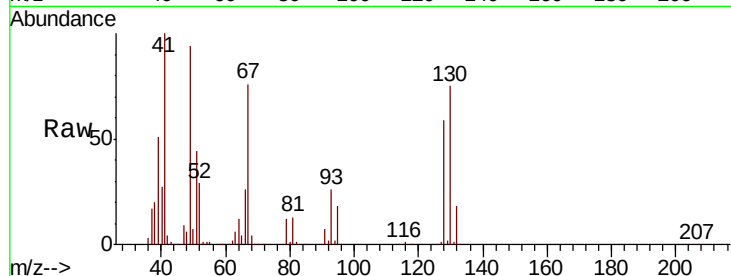
Ion Ratio Lower Upper

41 100

39 51.2 41.0 61.4

67 77.5 62.4 93.6

52 29.4 23.6 35.4

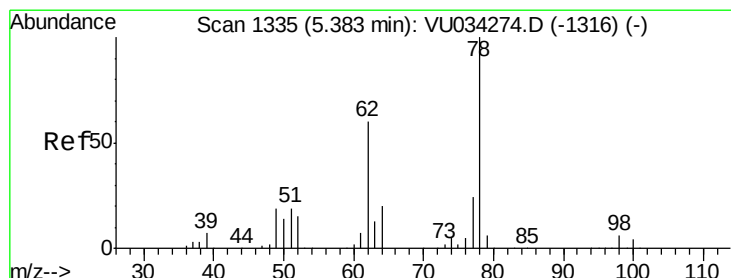
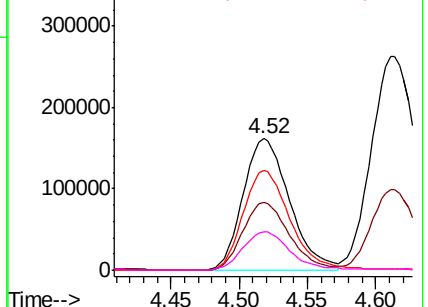
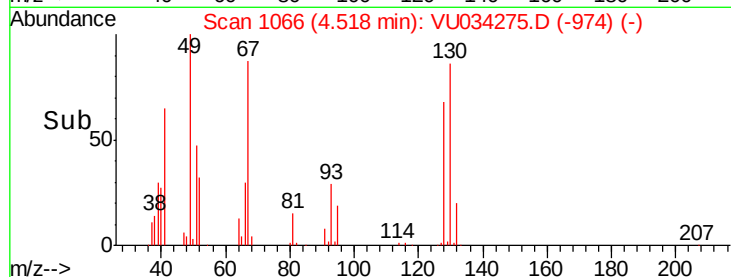


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 111.811 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034275.D

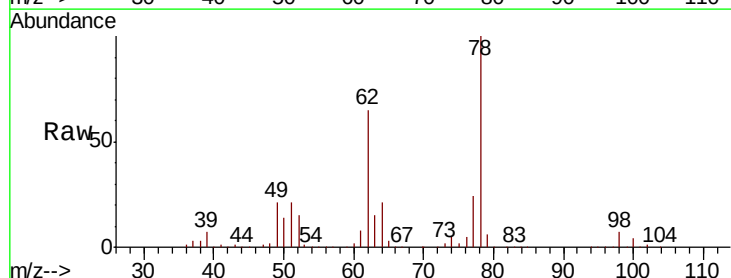
Acq: 05 Sep 2019 10:46

Tgt Ion: 62 Resp: 606684

Ion Ratio Lower Upper

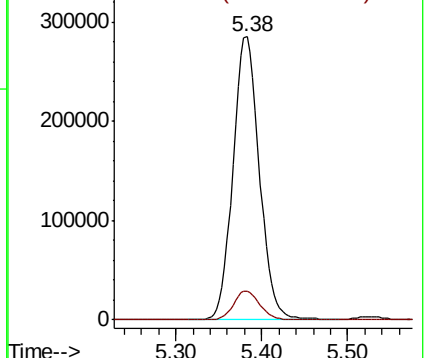
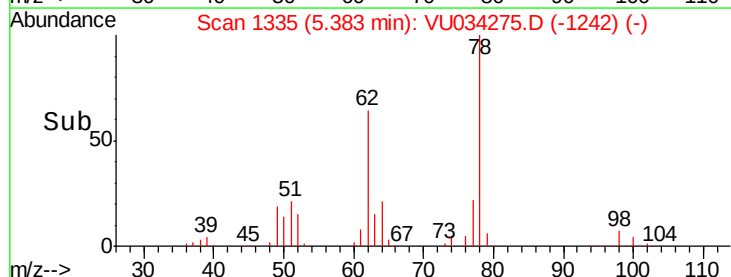
62 100

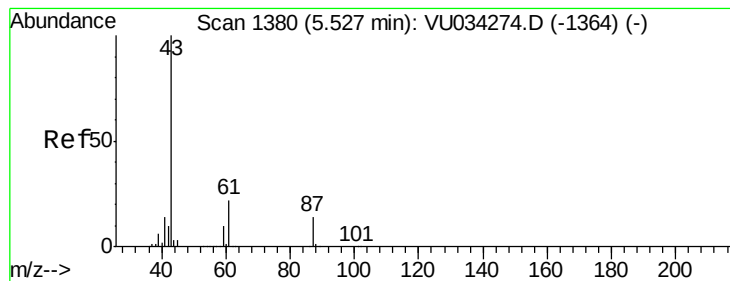
98 10.1 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 123.197 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

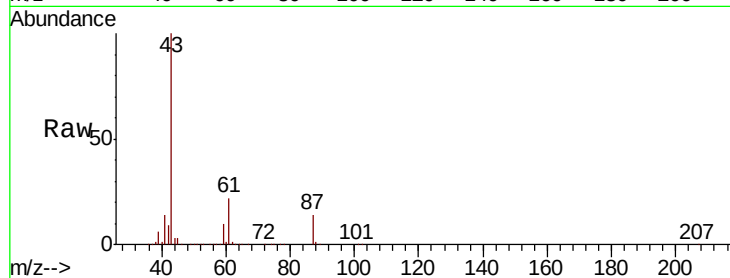
Tgt Ion: 43 Resp: 1097409

Ion Ratio Lower Upper

43 100

61 21.9 17.1 25.7

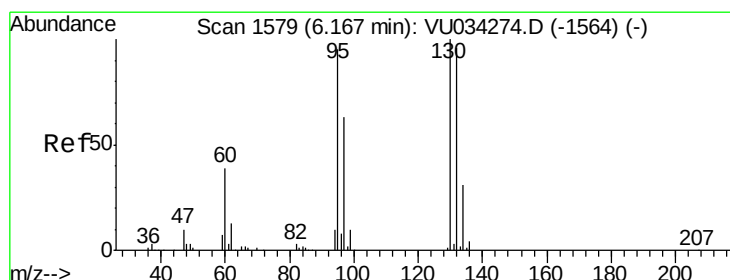
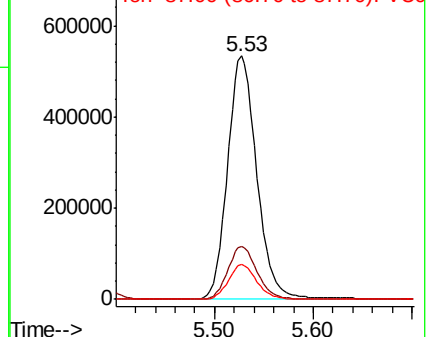
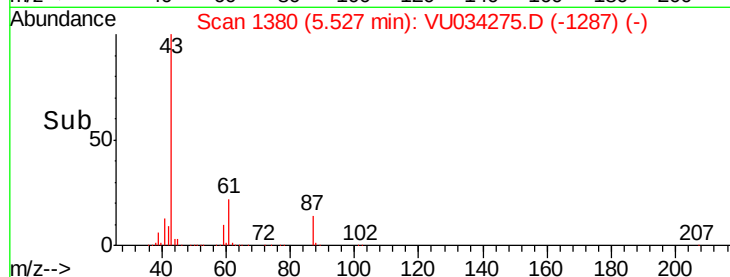
87 14.0 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034275.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034275.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034275.D (-1287) (-)



#44

Trichloroethene

Concen: 116.756 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034275.D

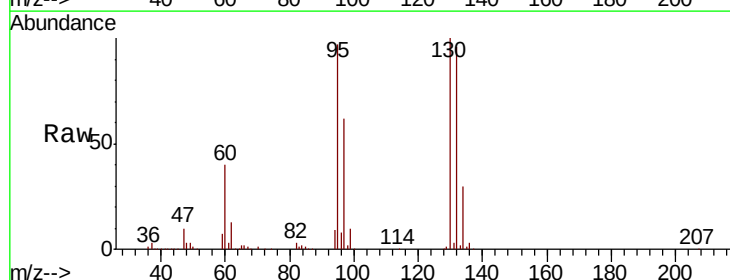
Acq: 05 Sep 2019 10:46

Tgt Ion: 130 Resp: 487276

Ion Ratio Lower Upper

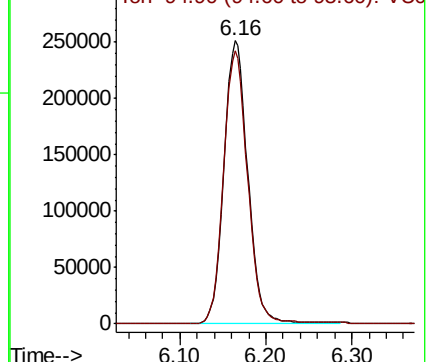
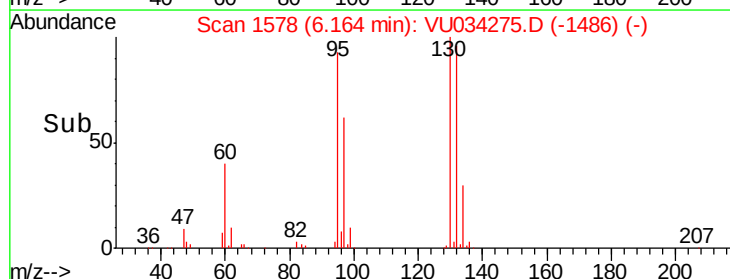
130 100

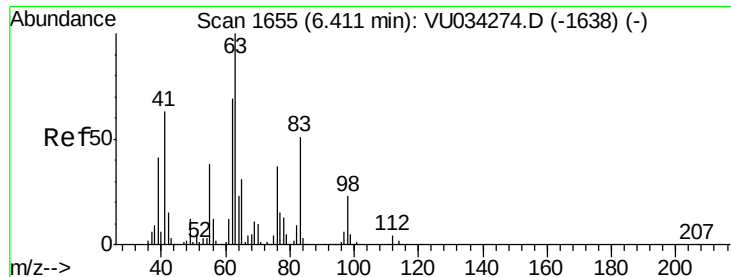
95 96.5 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034275.D (-1486) (-)

Ion 94.90 (94.60 to 95.60): VU034275.D (-1486) (-)





#45

1,2-Dichloropropane

Concen: 119.008 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

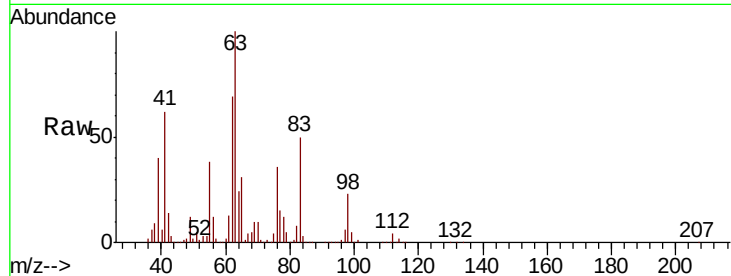
VSTDIC100

Tgt Ion: 63 Resp: 520217

Ion Ratio Lower Upper

63 100

65 31.4 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VU034275.D (-1562) (-)

Ion 64.90 (64.60 to 65.60): VU034275.D (-1562) (-)

6.41

300000

250000

200000

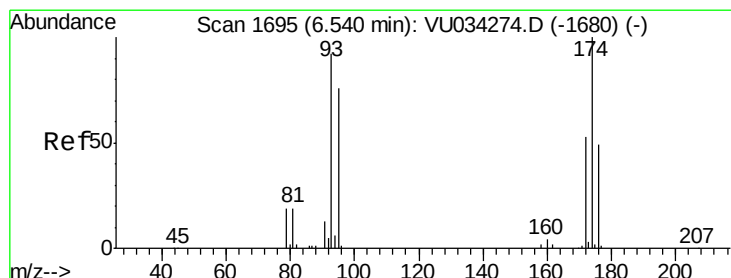
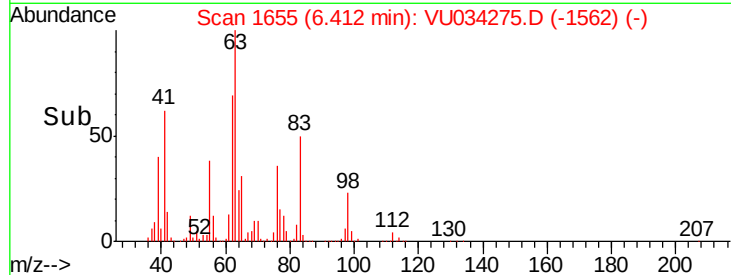
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 116.173 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

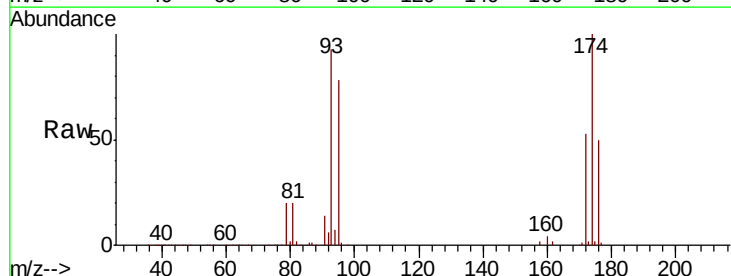
Tgt Ion: 93 Resp: 326718

Ion Ratio Lower Upper

93 100

95 82.4 66.5 99.7

174 109.3 87.8 131.6



Abundance Ion 92.80 (92.50 to 93.50): VU034275.D (-1602) (-)

Ion 94.80 (94.50 to 95.50): VU034275.D (-1602) (-)

Ion 173.70 (173.40 to 174.40): VU034275.D (-1602) (-)

250000

200000

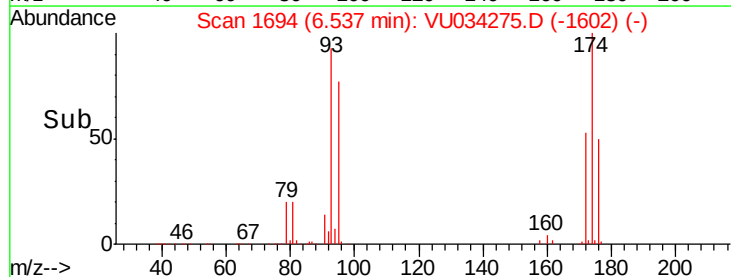
150000

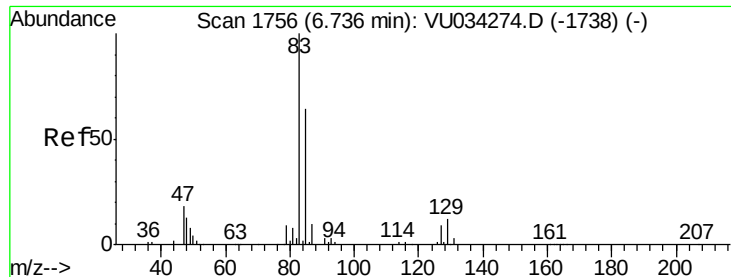
100000

50000

0

Time-->

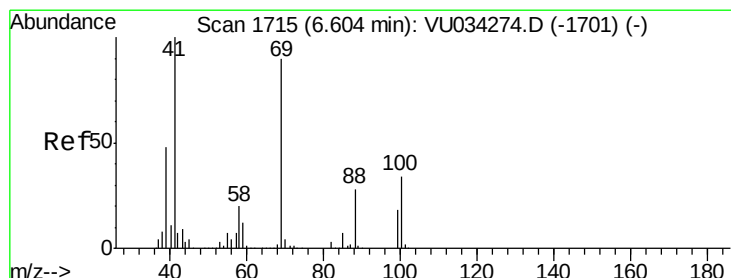
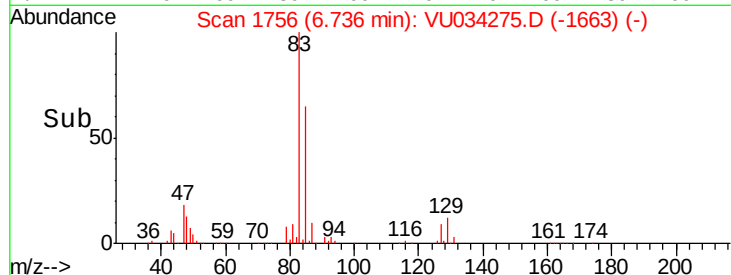
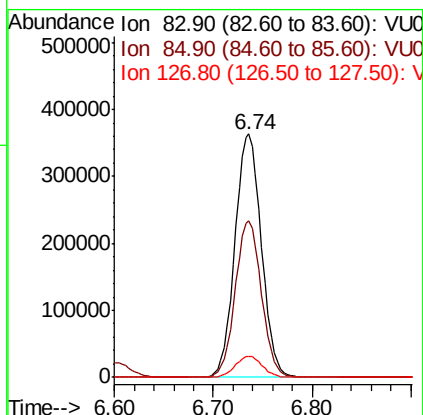
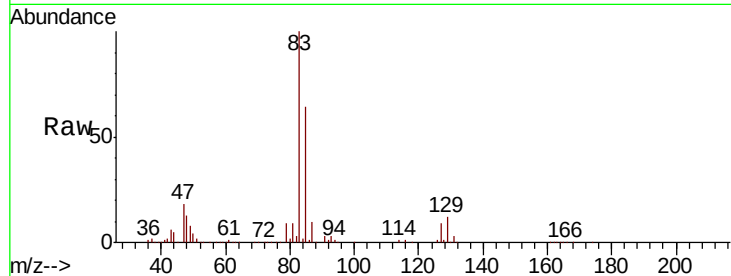




#47
 Bromodichloromethane
 Concen: 121.675 ug/l
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

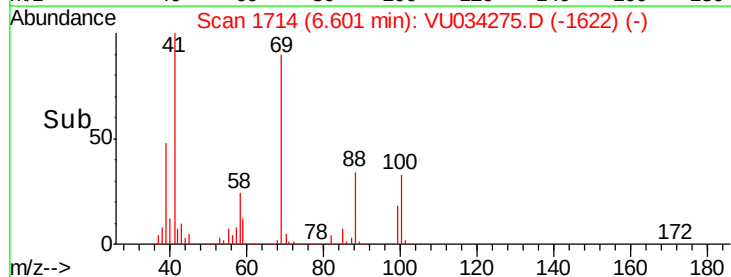
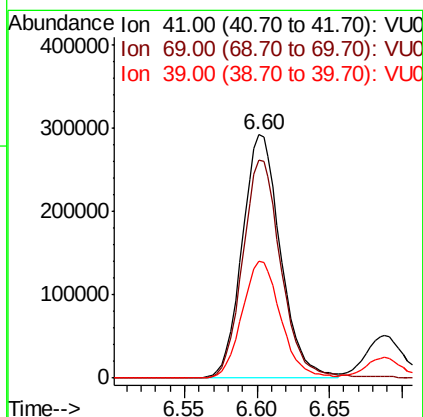
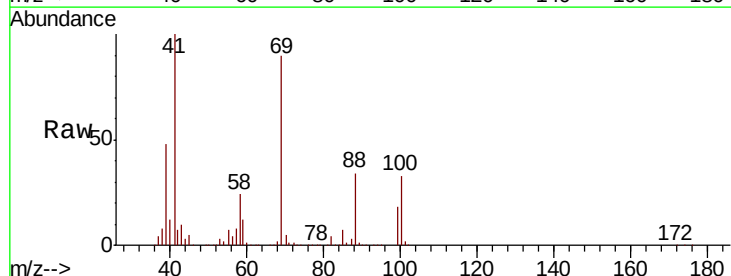
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

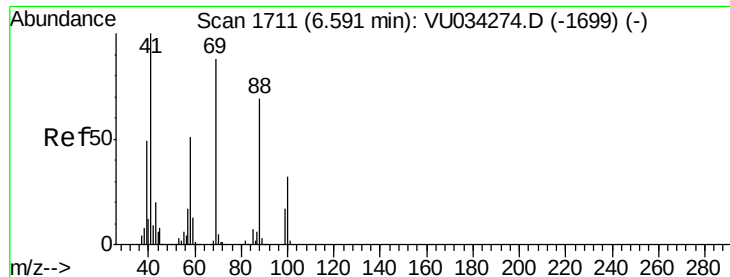
Tgt Ion: 83 Resp: 674748
 Ion Ratio Lower Upper
 83 100
 85 64.3 51.1 76.7
 127 8.8 7.2 10.8



#48
 Methyl methacrylate
 Concen: 125.573 ug/l
 RT: 6.60 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion: 41 Resp: 535814
 Ion Ratio Lower Upper
 41 100
 69 90.5 72.8 109.2
 39 48.0 38.6 58.0





#49

1,4-Dioxane

Concen: 2205.689 ug/l

RT: 6.59 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

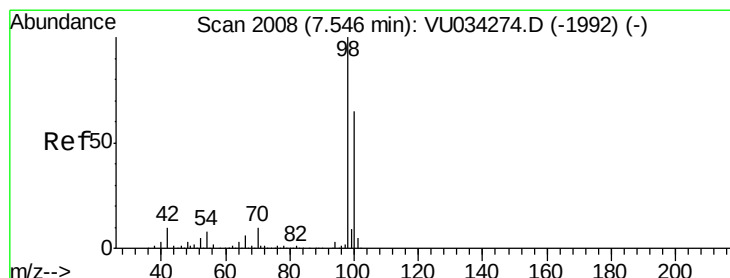
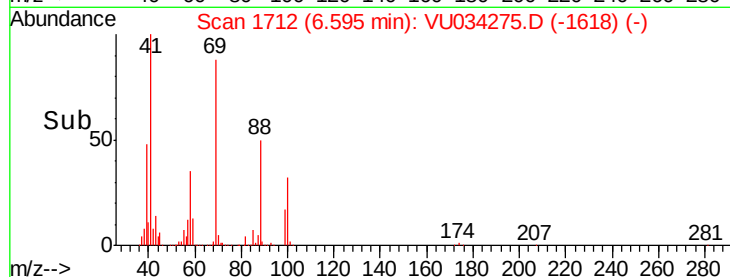
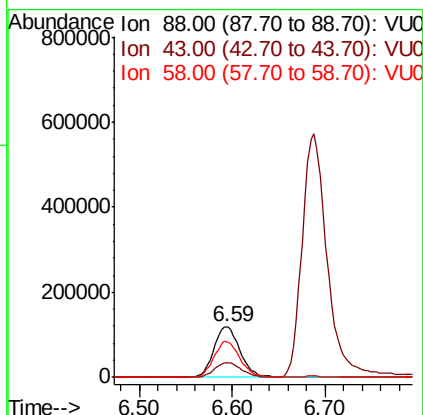
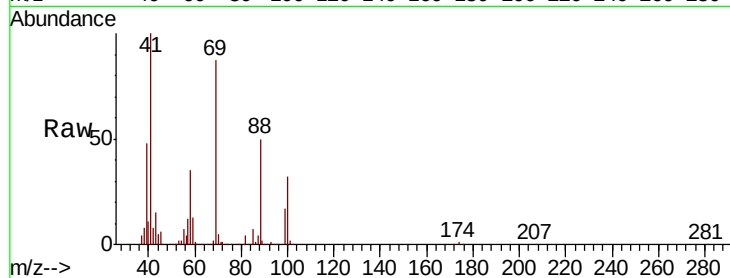
Tgt Ion: 88 Resp: 231056

Ion Ratio Lower Upper

88 100

43 29.4 23.8 35.6

58 71.2 58.4 87.6



#50

Toluene-d8

Concen: 127.548 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034275.D

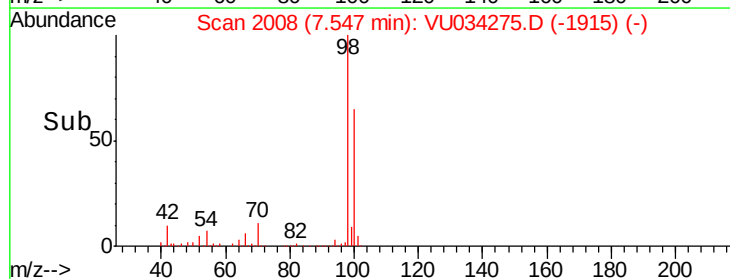
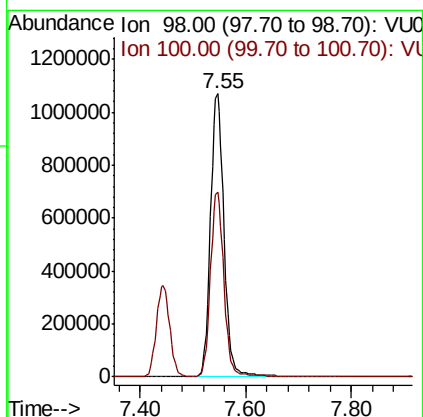
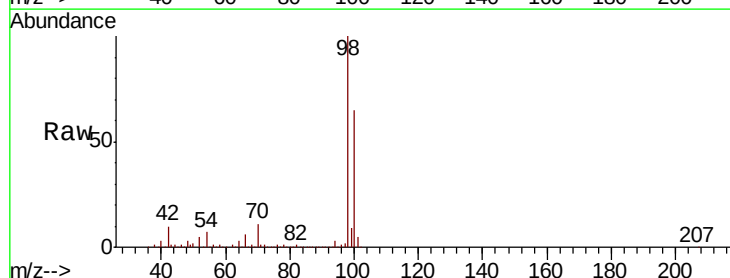
Acq: 05 Sep 2019 10:46

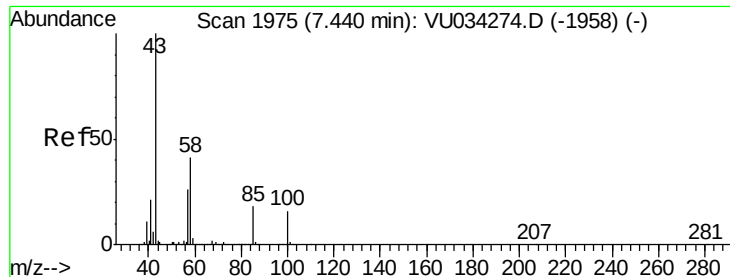
Tgt Ion: 98 Resp: 1907803

Ion Ratio Lower Upper

98 100

100 64.9 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 615.399 ug/l

RT: 7.44 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

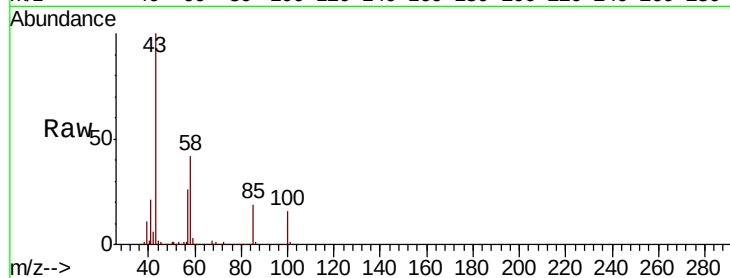
VSTDIC100

Tgt Ion: 43 Resp: 3798091

Ion Ratio Lower Upper

43 100

58 42.1 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) (-)

2500000

2000000

1500000

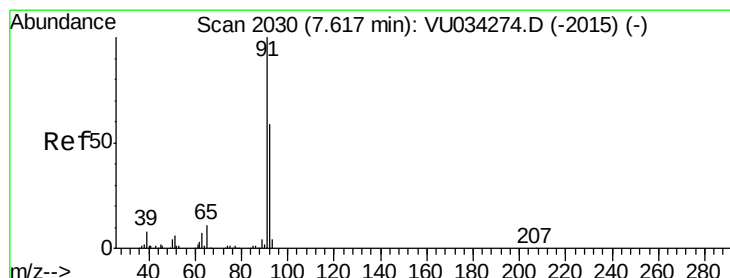
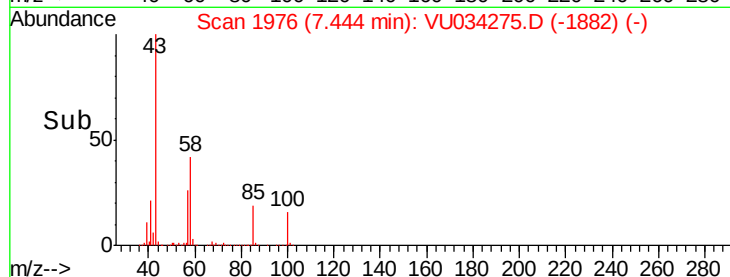
1000000

500000

0

7.30 7.40 7.50

Time-->



#52

Toluene

Concen: 117.660 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034275.D

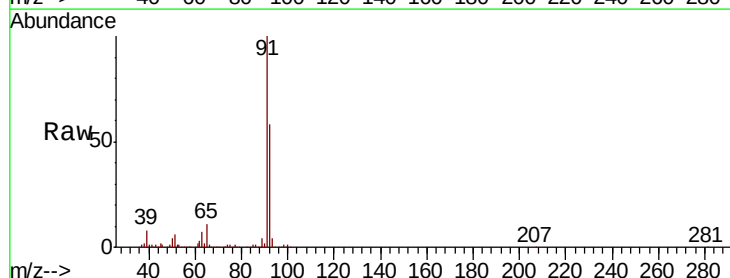
Acq: 05 Sep 2019 10:46

Tgt Ion: 92 Resp: 1145998

Ion Ratio Lower Upper

92 100

91 172.5 136.6 205.0



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

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

1200000

1000000

800000

600000

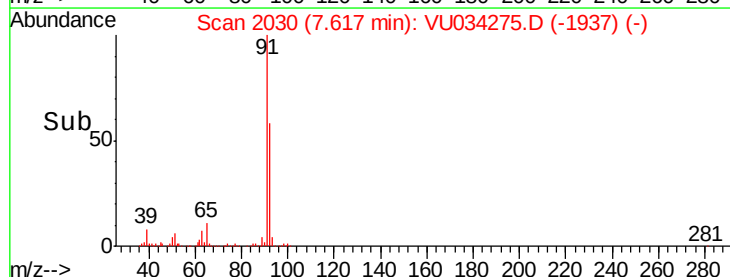
400000

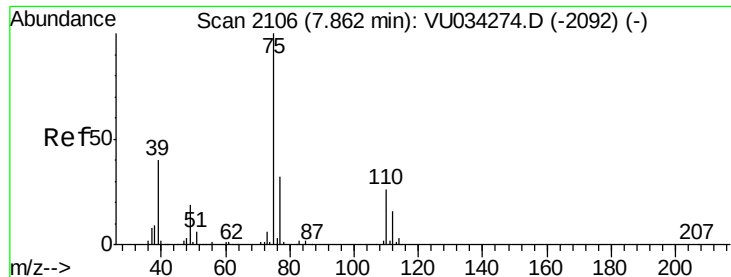
200000

0

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 125.153 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

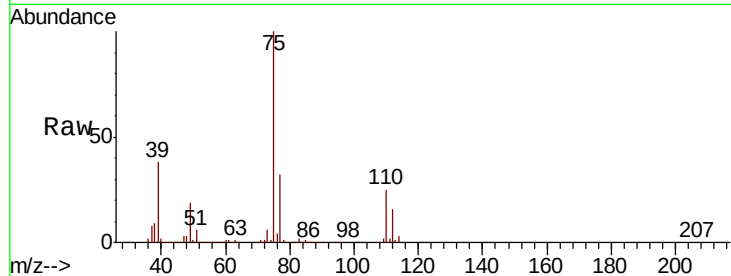
VSTDIC100

Tgt Ion: 75 Resp: 761026

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VU034274.D (-2092) (-)

Ion 76.90 (76.60 to 77.60): VU034274.D (-2092) (-)

7.86

500000

400000

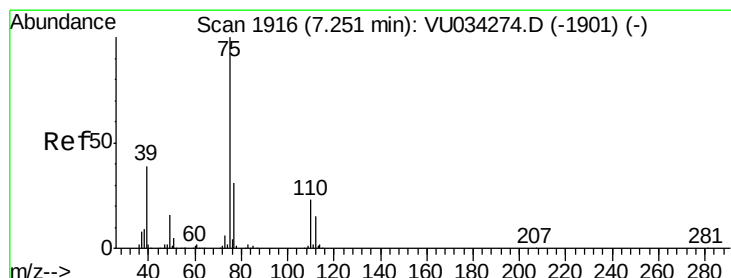
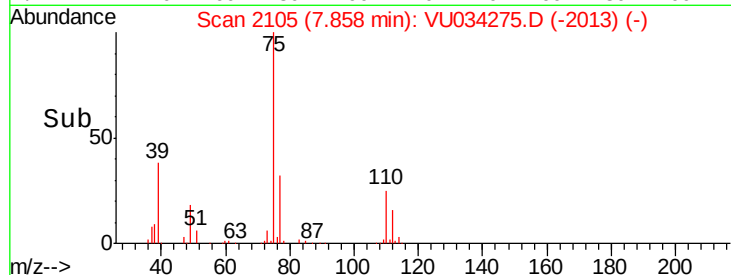
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 123.008 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

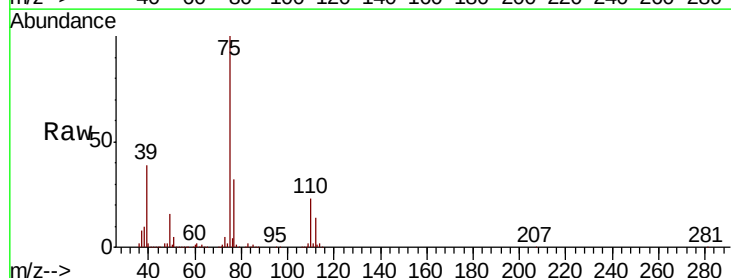
Tgt Ion: 75 Resp: 820097

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7

39 39.4 31.2 46.8



Abundance Ion 74.90 (74.60 to 75.60): VU034274.D (-1901) (-)

Ion 76.90 (76.60 to 77.60): VU034274.D (-1901) (-)

Ion 39.00 (38.70 to 39.70): VU034274.D (-1901) (-)

7.25

600000

500000

400000

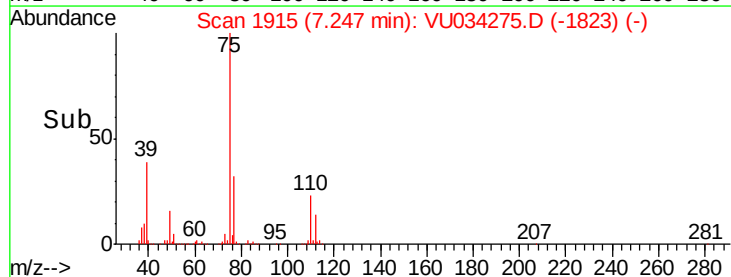
300000

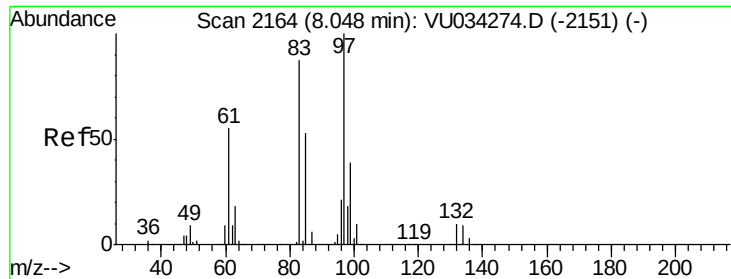
200000

100000

0

Time-->

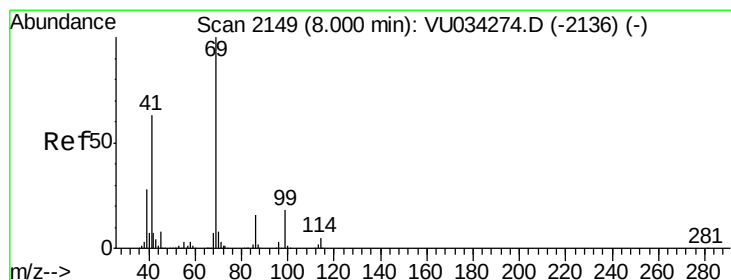
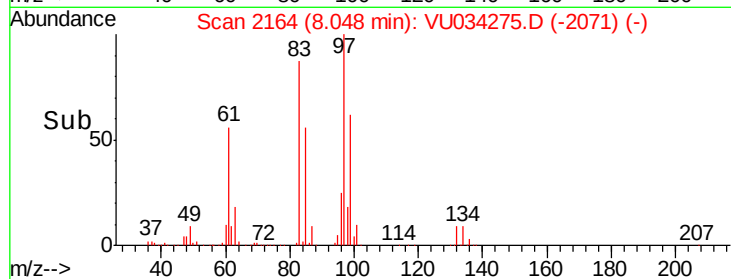
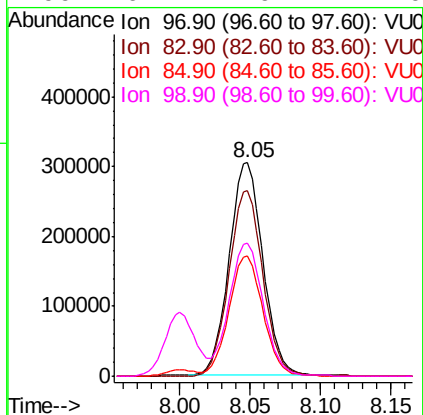
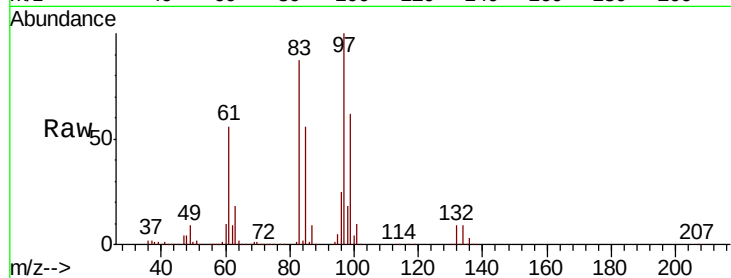




#55
 1,1,2-Trichloroethane
 Concen: 122.653 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

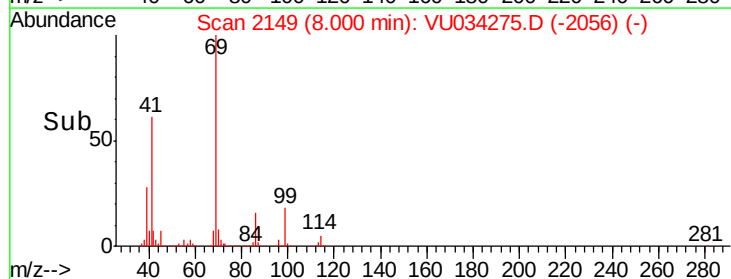
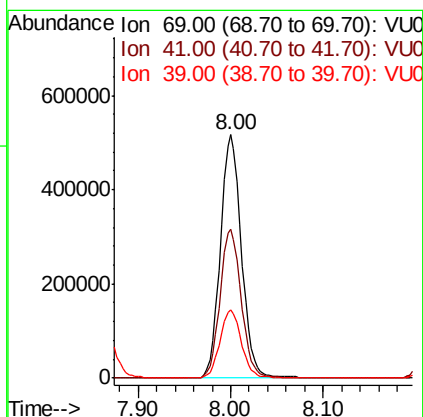
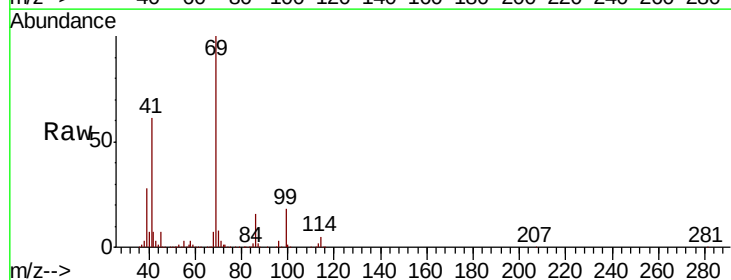
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

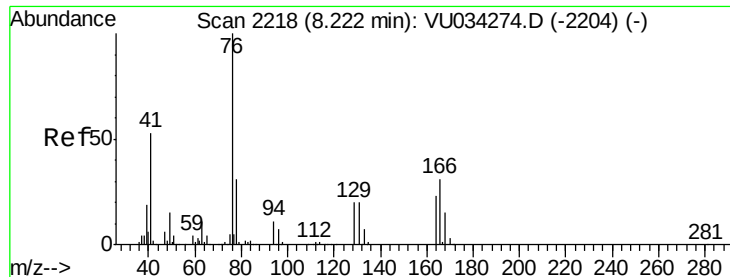
Tgt Ion:	97	Resp:	512315
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.0	103.6
85	56.1	44.2	66.2
99	62.2	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 132.233 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion:	69	Resp:	815009
Ion	Ratio	Lower	Upper
69	100		
41	61.7	49.5	74.3
39	28.2	22.5	33.7

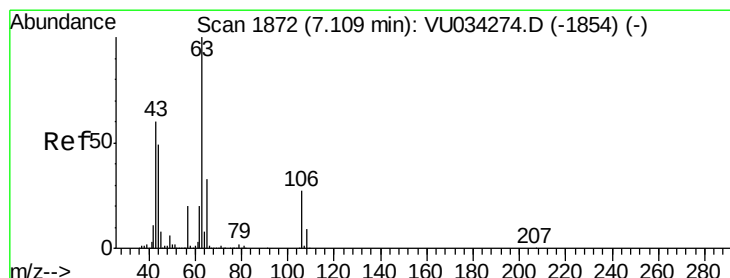
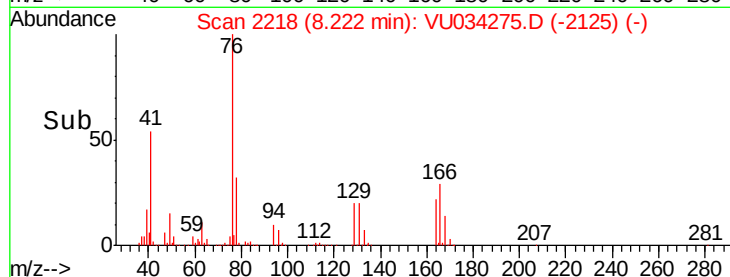
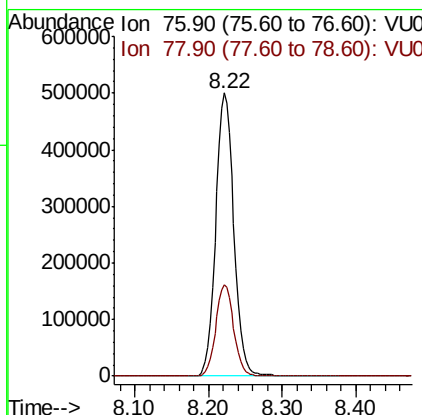
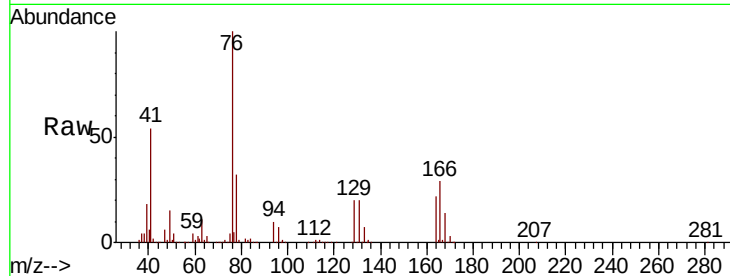




#57
 1,3-Dichloropropane
 Concen: 120.477 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

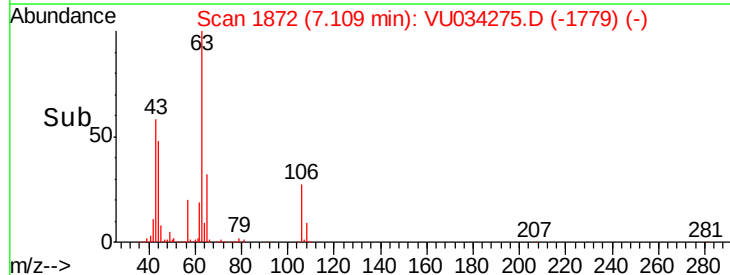
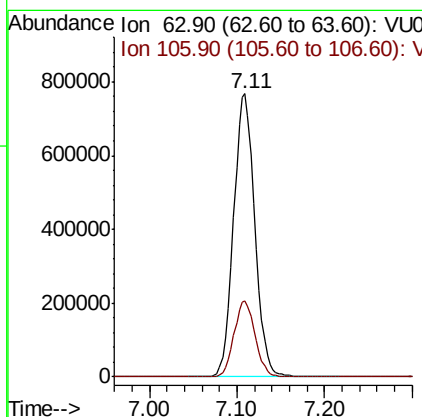
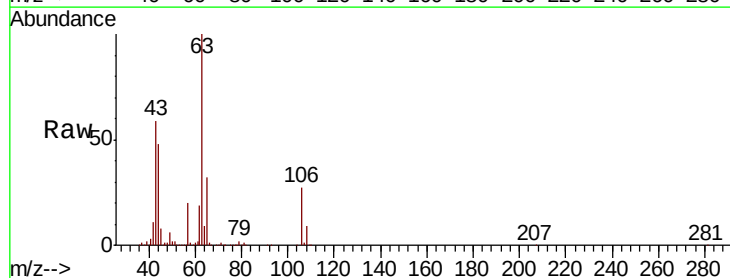
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

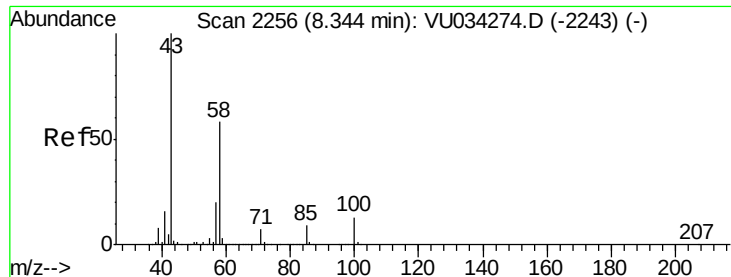
Tgt Ion: 76 Resp: 848045
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 578.912 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion: 63 Resp: 1288358
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.6 32.4

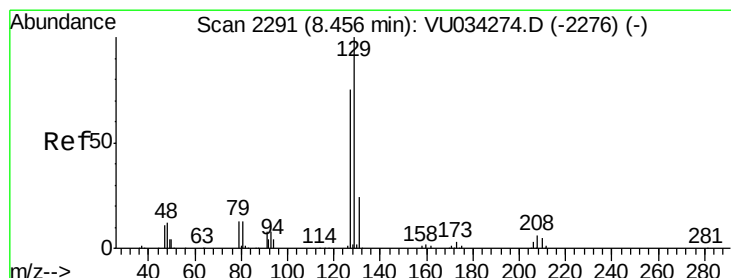
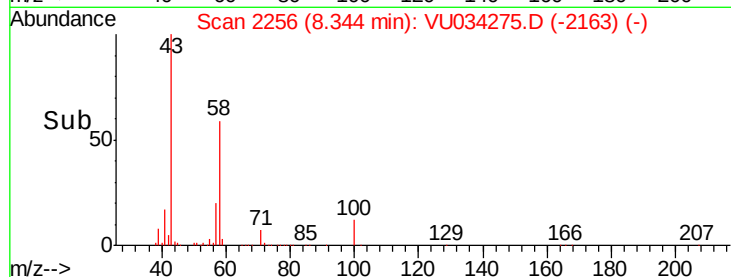
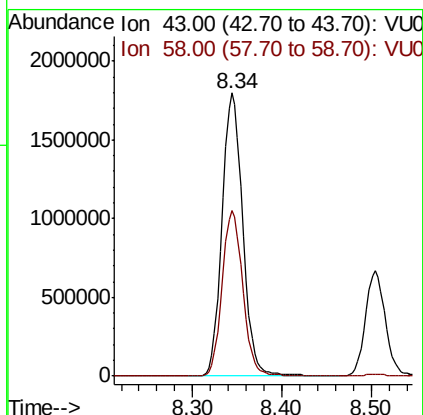
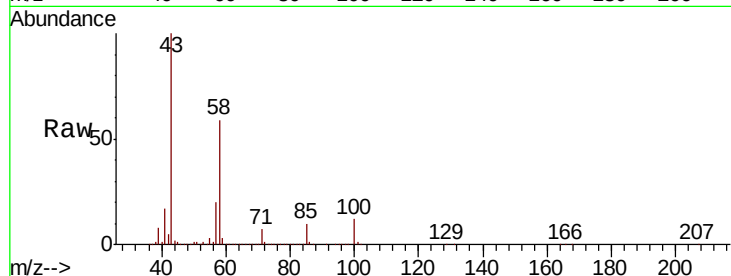




#59
2-Hexanone
Concen: 622.333 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

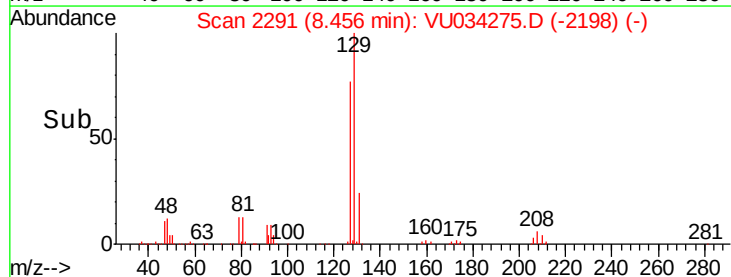
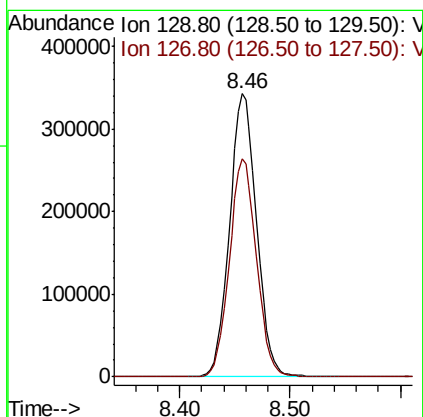
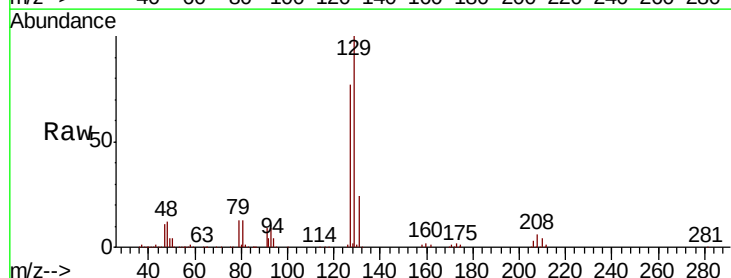
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

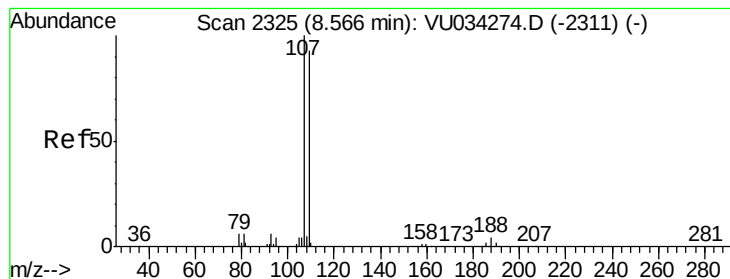
Tgt Ion: 43 Resp: 2896294
Ion Ratio Lower Upper
43 100
58 58.6 28.8 86.5



#60
Dibromochloromethane
Concen: 129.074 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion: 129 Resp: 580941
Ion Ratio Lower Upper
129 100
127 77.3 37.9 113.7





#61

1,2-Dibromoethane

Concen: 119.013 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

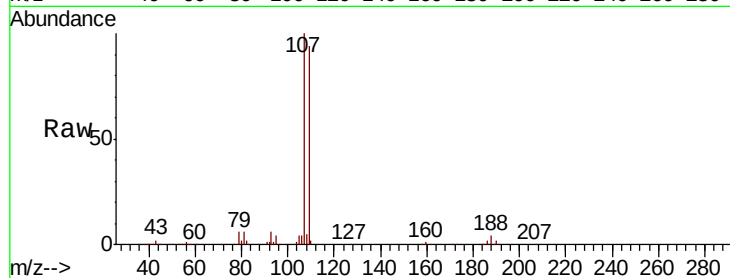
VSTDIC100

Tgt Ion: 107 Resp: 518136

Ion Ratio Lower Upper

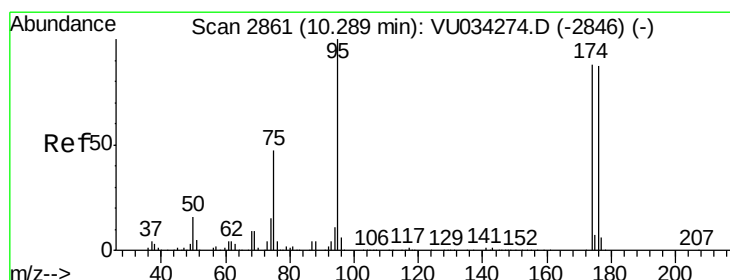
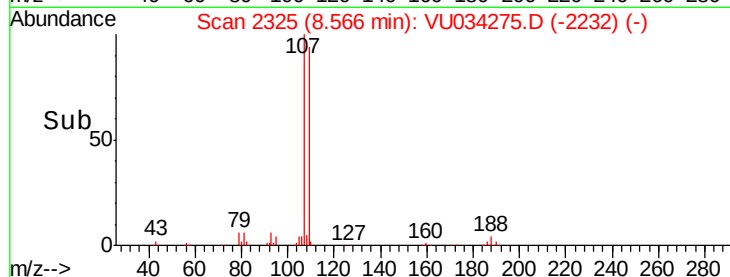
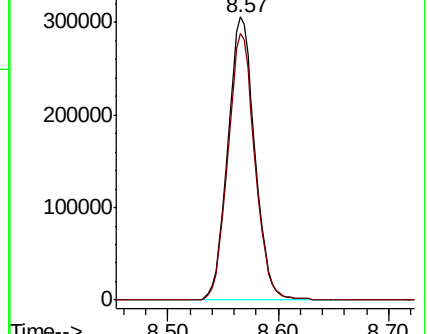
107 100

109 93.9 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: 125.533 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

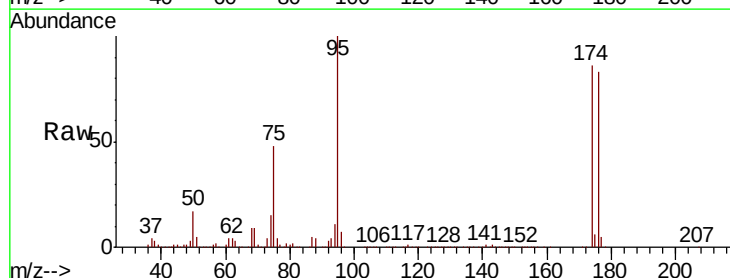
Tgt Ion: 95 Resp: 726797

Ion Ratio Lower Upper

95 100

174 87.7 0.0 175.2

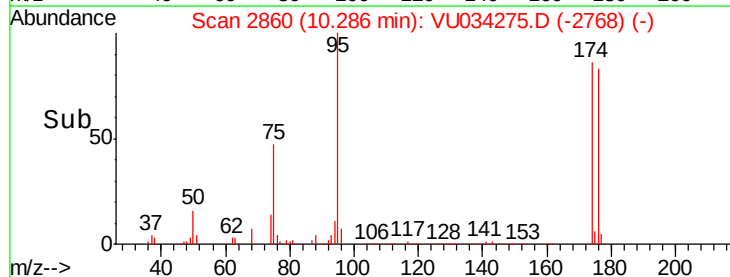
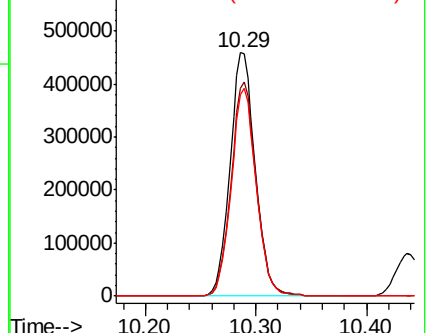
176 84.6 0.0 168.0

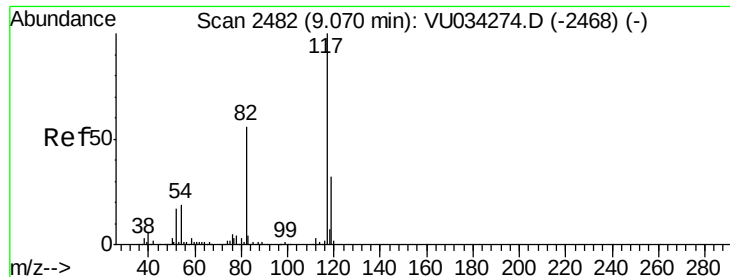


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

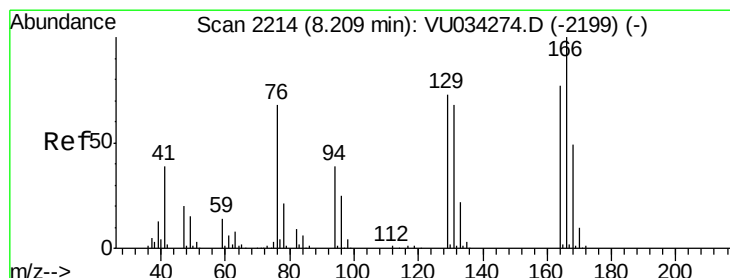
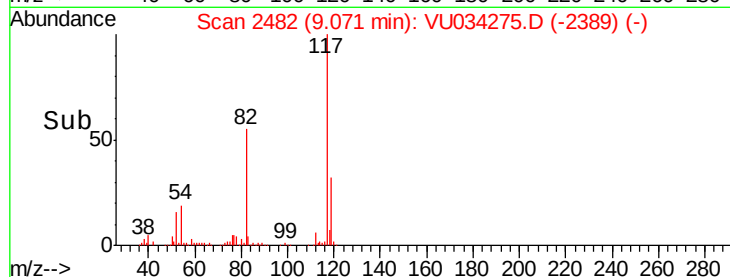
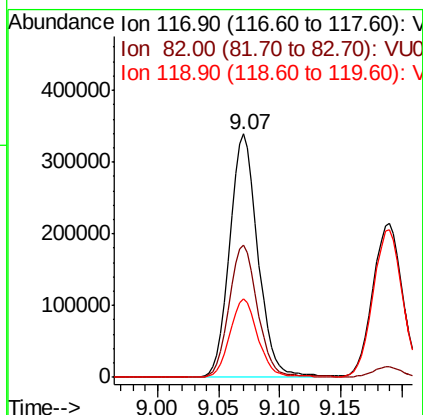
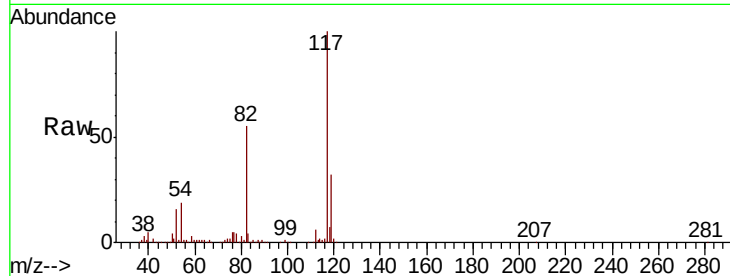




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

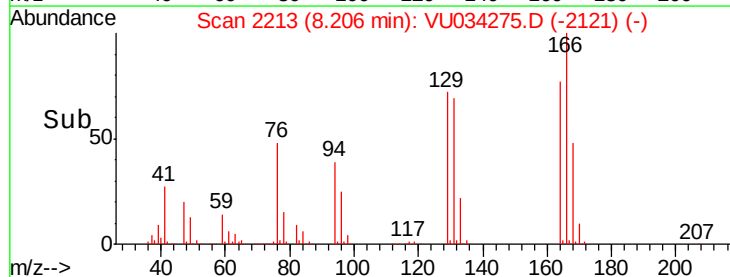
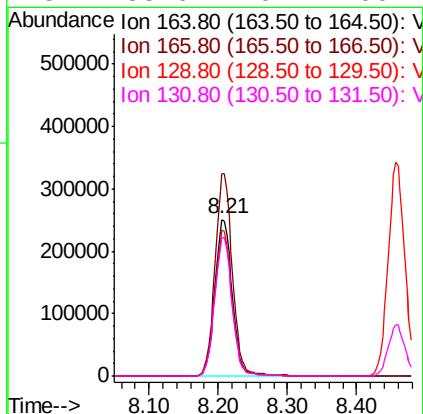
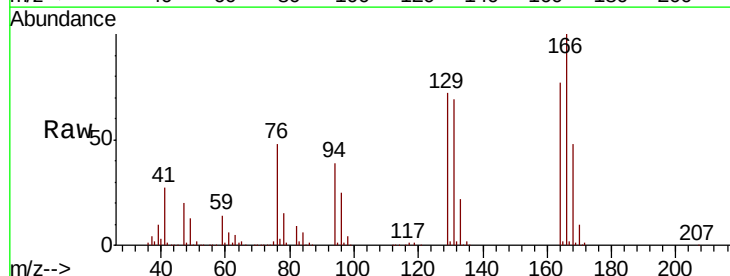
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

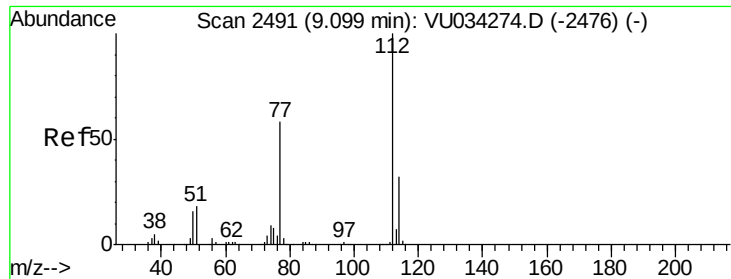
Tgt Ion:117 Resp: 549531
Ion Ratio Lower Upper
117 100
82 54.5 44.6 67.0
119 32.4 25.9 38.9



#64
Tetrachloroethene
Concen: 116.318 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion:164 Resp: 438247
Ion Ratio Lower Upper
164 100
166 129.1 103.7 155.5
129 92.9 75.8 113.8
131 88.6 70.7 106.1

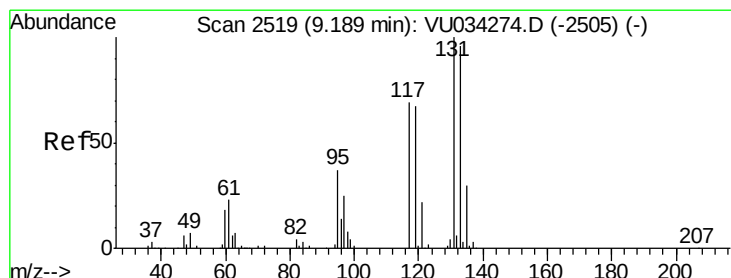
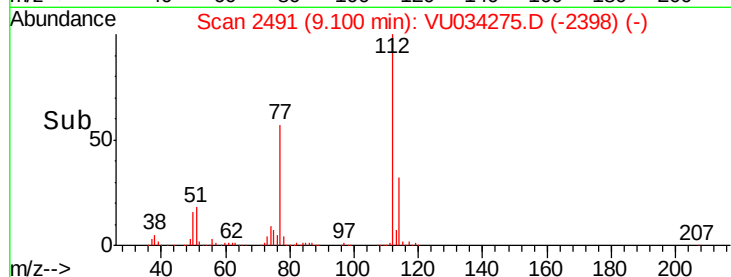
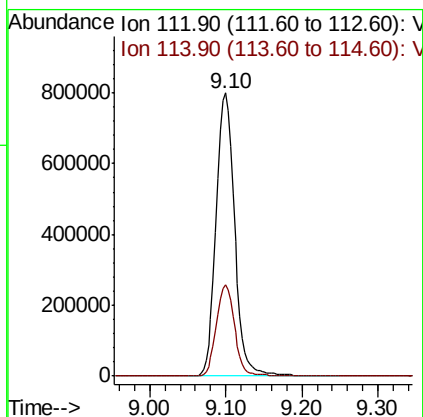
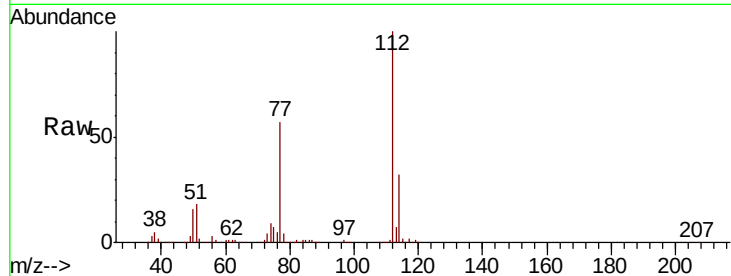




#65
Chlorobenzene
Concen: 117.110 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

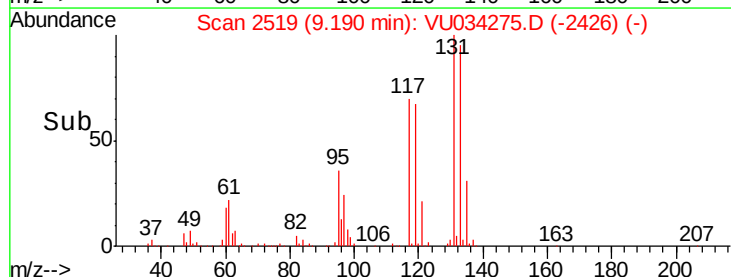
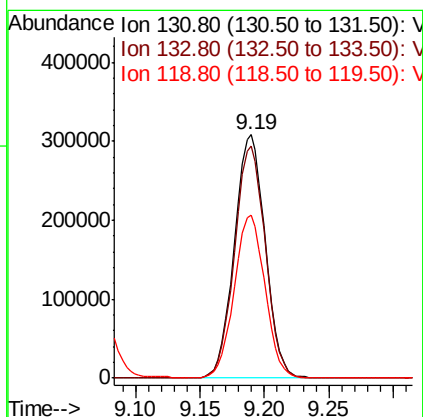
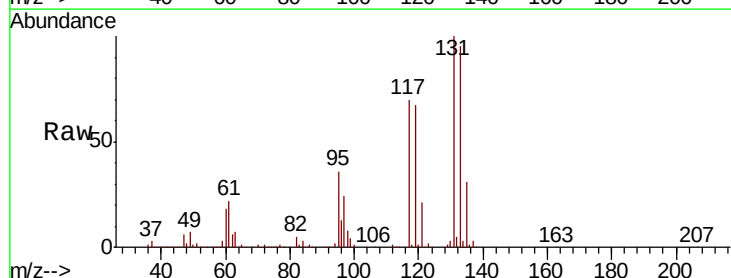
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

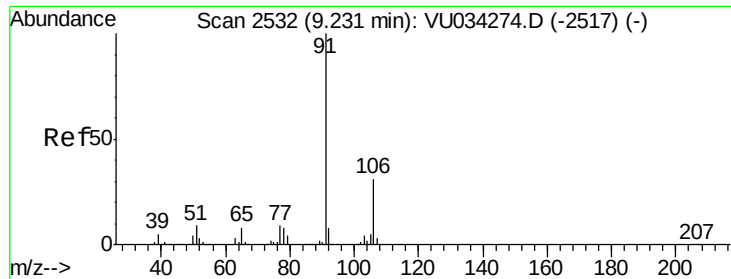
Tgt Ion:112 Resp: 1348462
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 121.980 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion:131 Resp: 513179
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.7
119 66.6 33.1 99.5

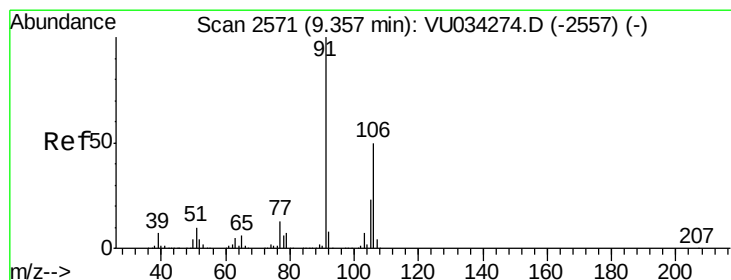
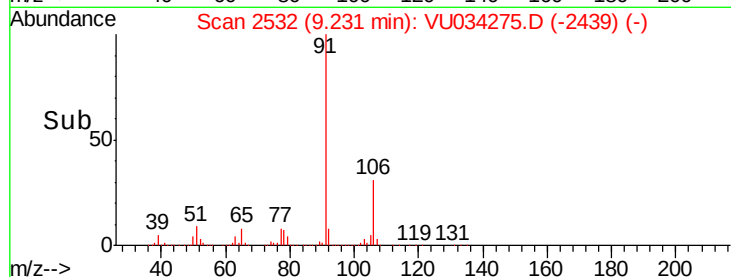
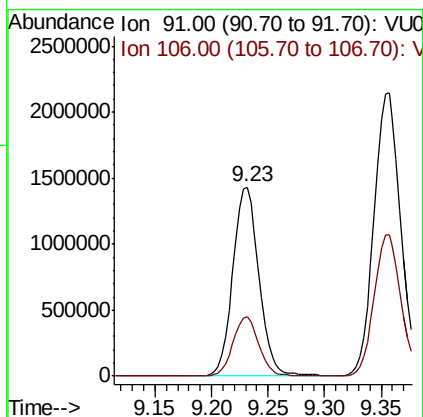
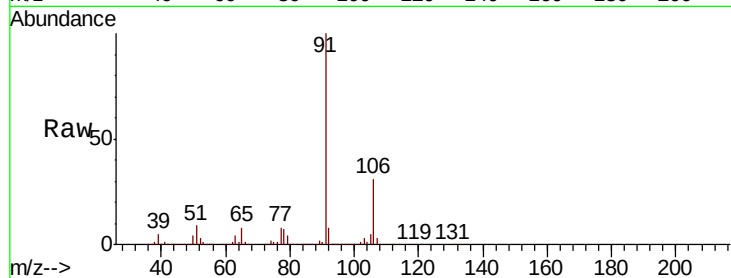




#67
Ethyl Benzene
Concen: 119.385 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

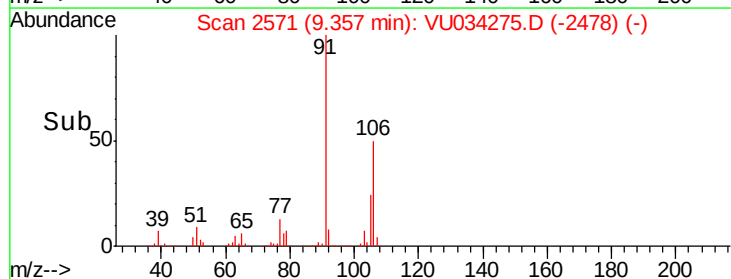
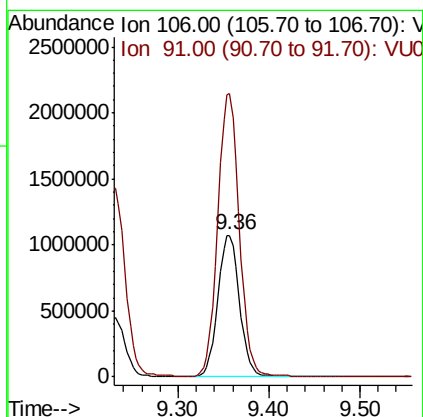
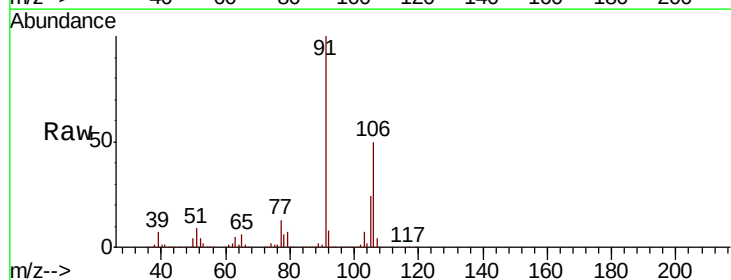
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

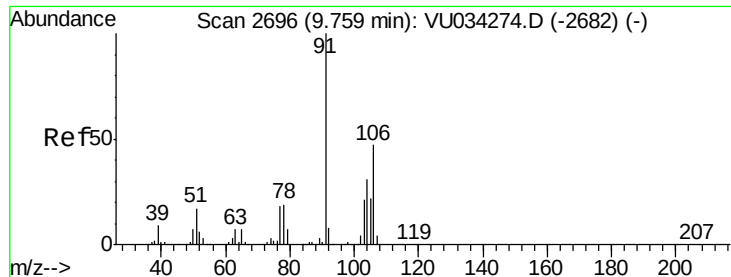
Tgt Ion: 91 Resp: 2313200
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2



#68
m/p-Xylenes
Concen: 239.652 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion: 106 Resp: 1772146
Ion Ratio Lower Upper
106 100
91 200.0 160.1 240.1

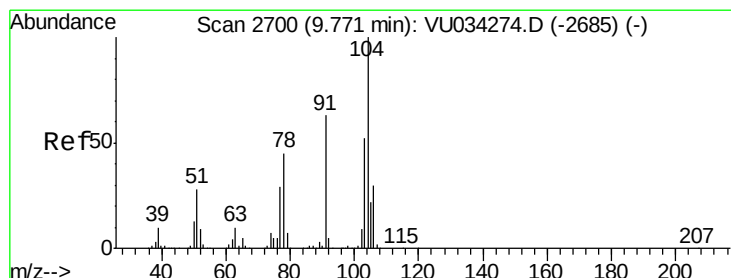
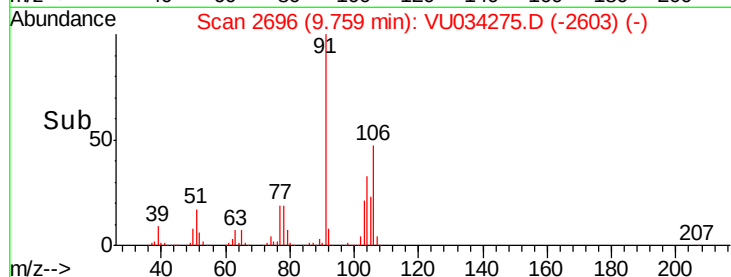
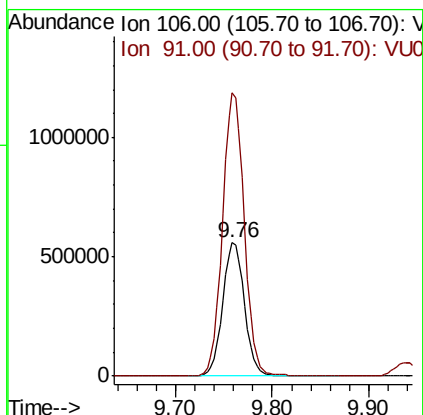
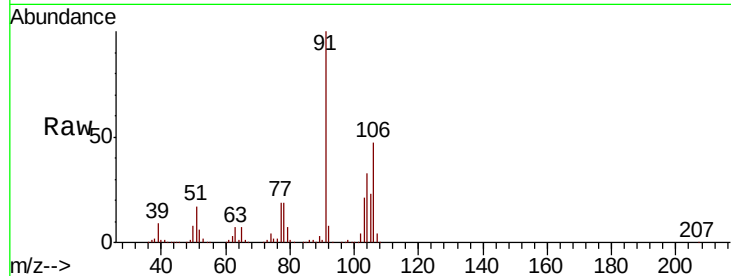




#69
o-Xylene
Concen: 123.091 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

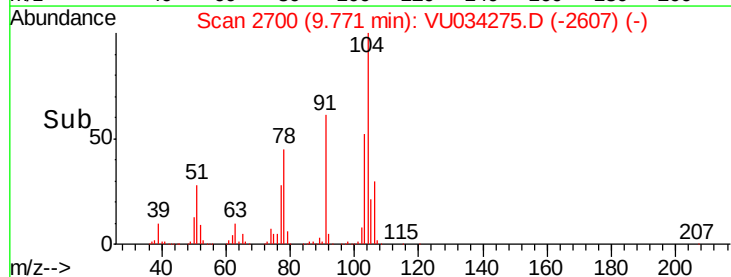
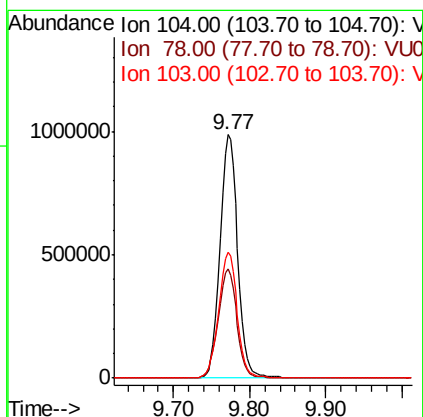
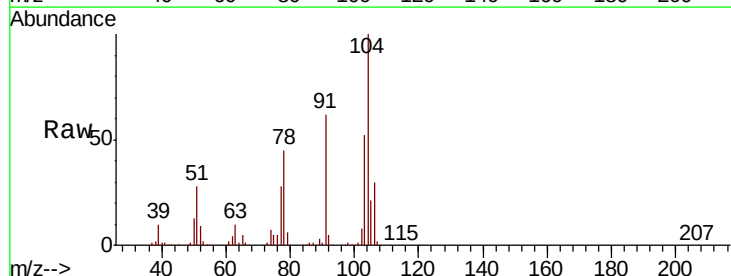
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

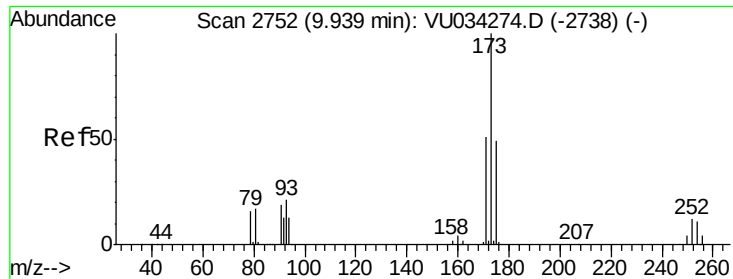
Tgt Ion:106 Resp: 874275
Ion Ratio Lower Upper
106 100
91 211.2 105.1 315.3



#70
Styrene
Concen: 129.425 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion:104 Resp: 1584645
Ion Ratio Lower Upper
104 100
78 47.7 38.6 57.8
103 54.5 44.2 66.4





#71

Bromoform

Concen: 127.196 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

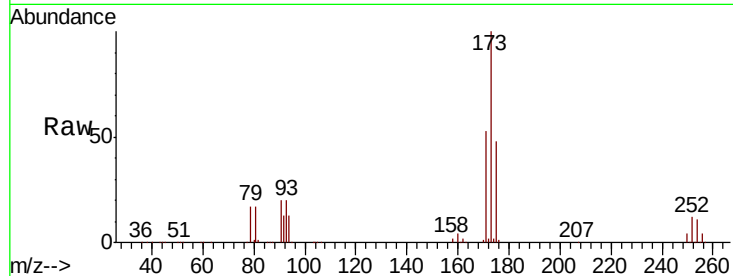
Tgt Ion:173 Resp: 466441

Ion Ratio Lower Upper

173 100

175 48.7 24.4 73.2

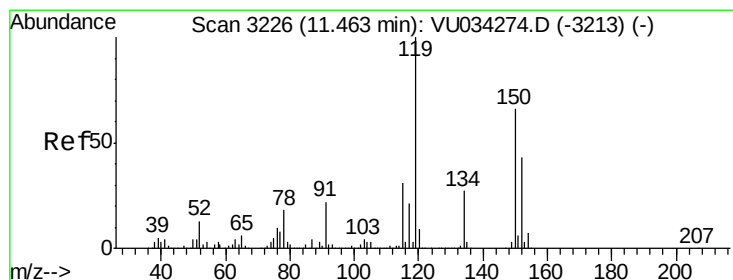
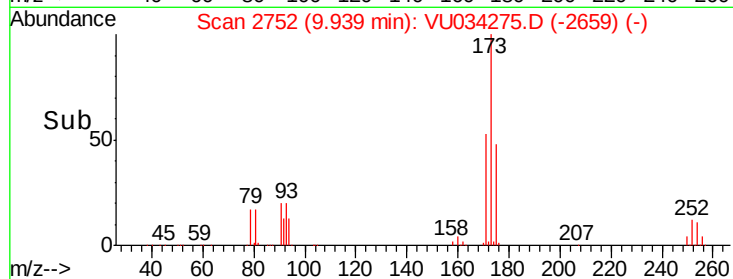
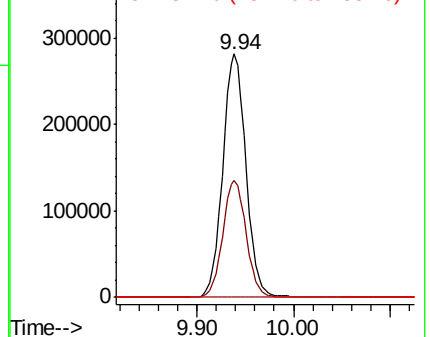
254 0.1 0.0 0.0#



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# 3226

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

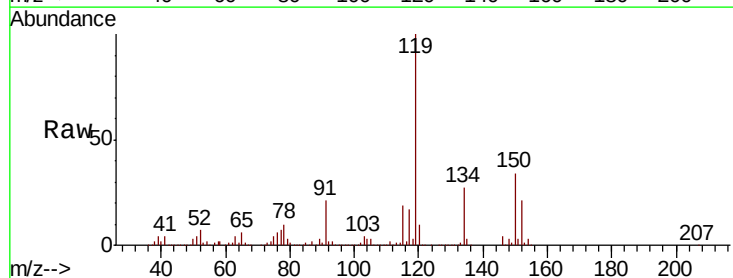
Tgt Ion:152 Resp: 358509

Ion Ratio Lower Upper

152 100

115 100.2 39.1 117.3

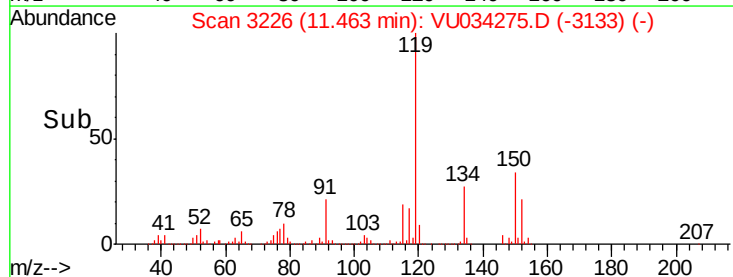
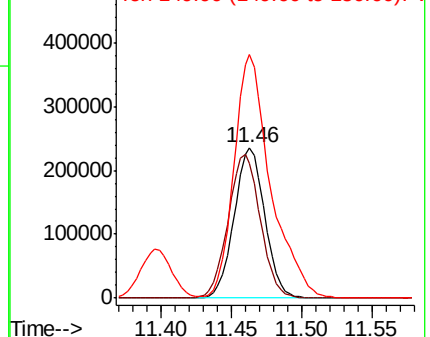
150 192.0 0.0 345.4

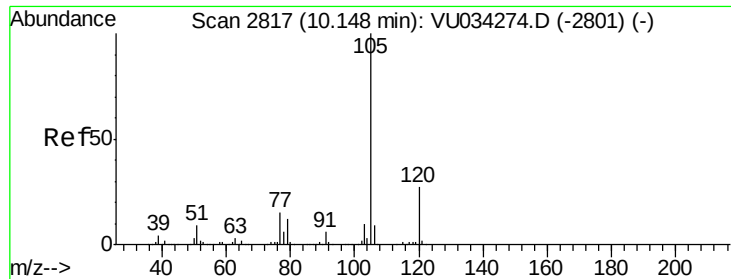


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 101.898 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

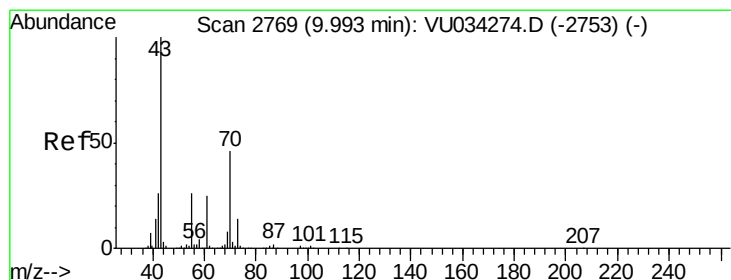
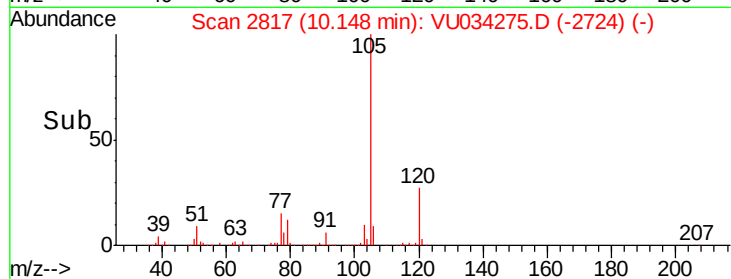
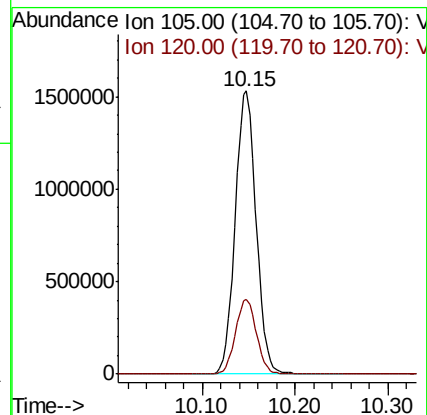
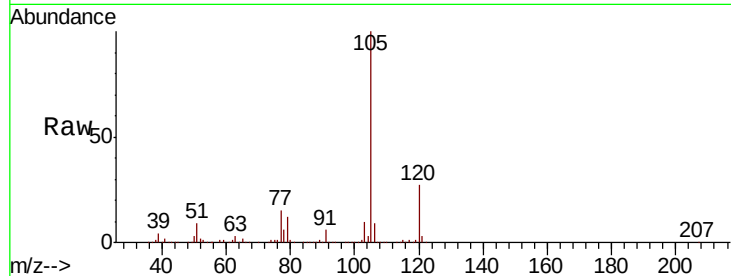
VSTDIC100

Tgt Ion:105 Resp: 2392245

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#74

N-ethyl acetate

Concen: 105.869 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Tgt Ion: 43 Resp: 1037461

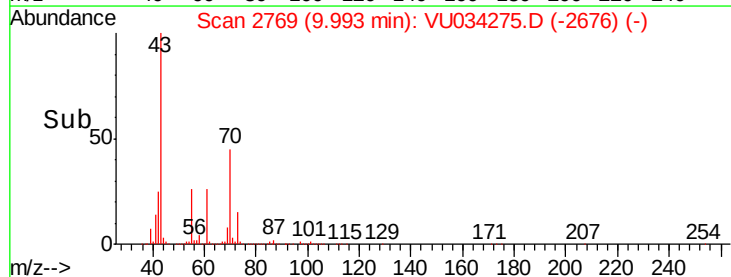
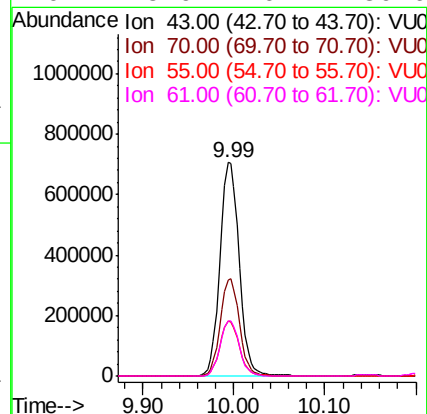
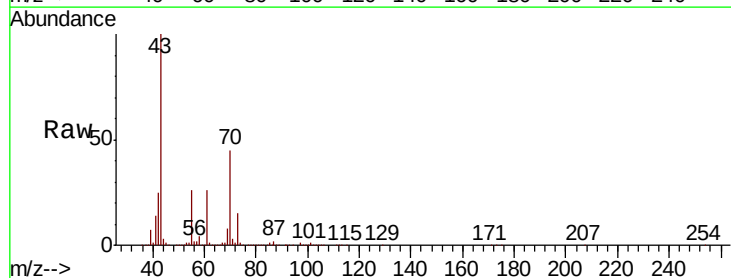
Ion Ratio Lower Upper

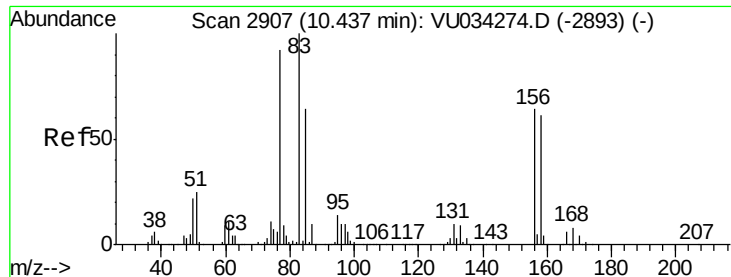
43 100

70 45.5 36.4 54.6

55 26.0 21.2 31.8

61 25.9 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 95.625 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

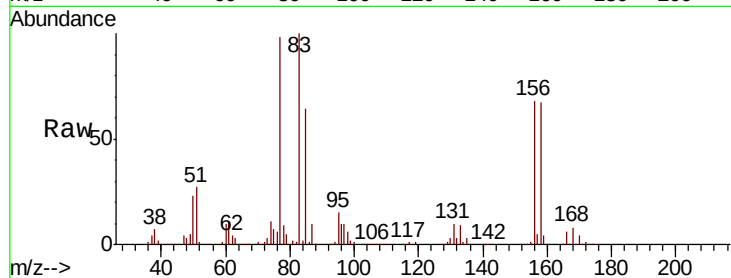
Tgt Ion: 83 Resp: 869128

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.2

85 64.5 32.0 96.2

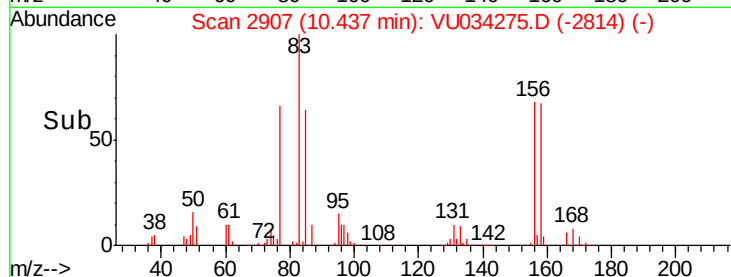


Abundance Ion 82.90 (82.60 to 83.60): VU034275.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU034275.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU034275.D (-2893) (-)

Time-->



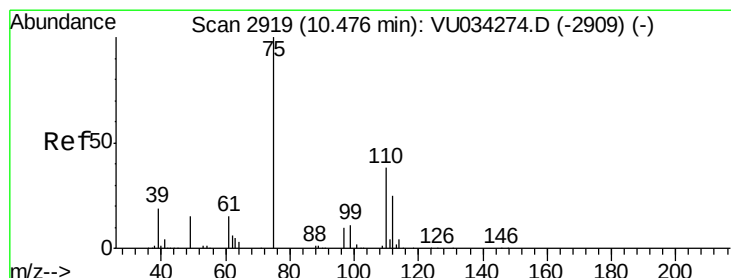
Abundance

Ion 82.90 (82.60 to 83.60): VU034275.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU034275.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU034275.D (-2893) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 122.124 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034275.D

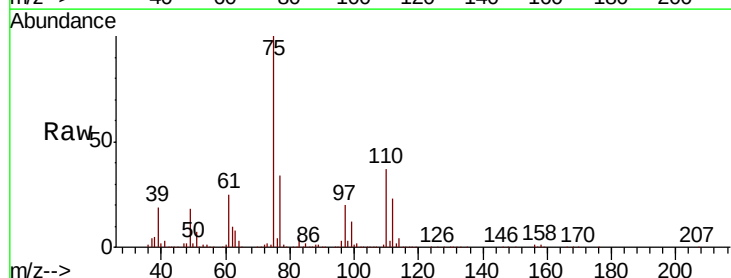
Acq: 05 Sep 2019 10:46

Tgt Ion: 75 Resp: 955208

Ion Ratio Lower Upper

75 100

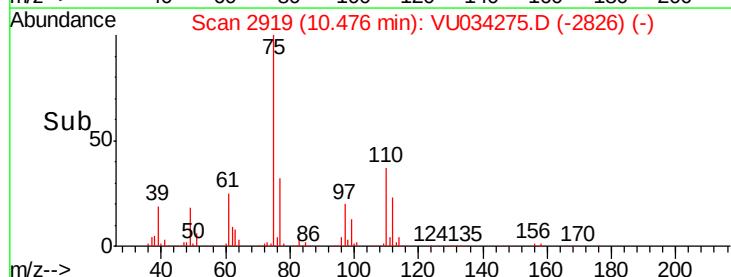
77 31.3 20.8 62.2



Abundance Ion 74.90 (74.60 to 75.60): VU034275.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034275.D (-2826) (-)

Time-->

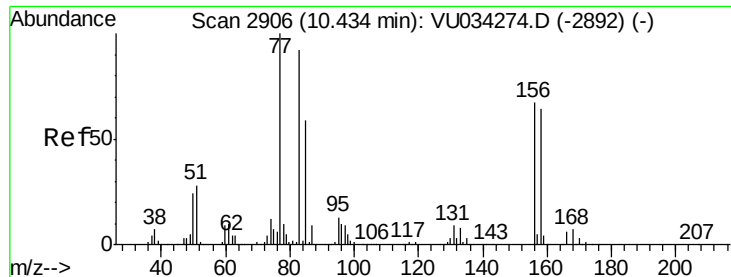


Abundance

Ion 74.90 (74.60 to 75.60): VU034275.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034275.D (-2826) (-)

Time-->



#77

Bromobenzene

Concen: 100.650 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

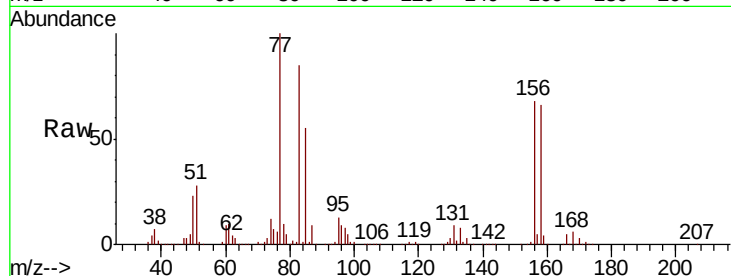
Tgt Ion:156 Resp: 641129

Ion Ratio Lower Upper

156 100

77 150.7 75.6 226.9

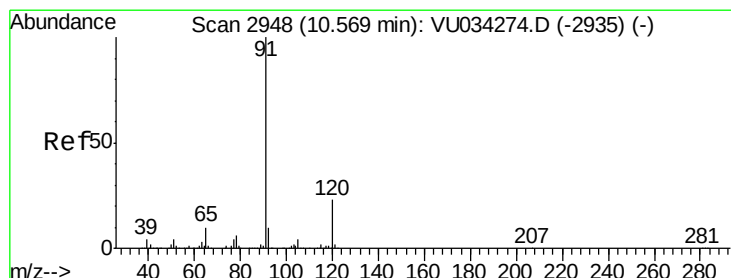
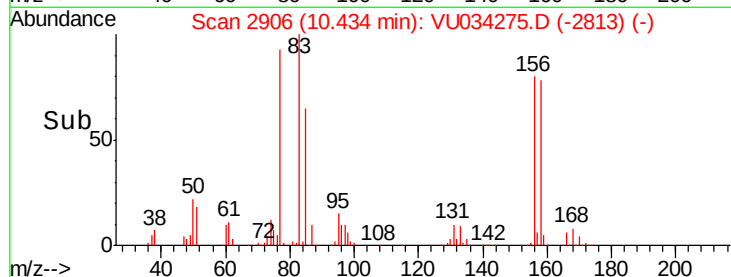
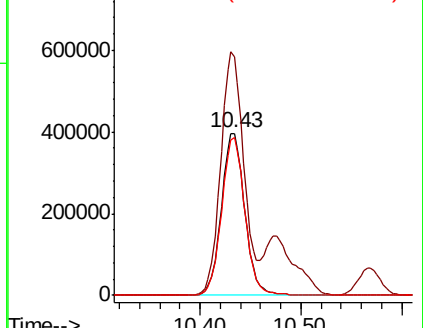
158 97.2 48.2 144.6



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: 102.263 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034275.D

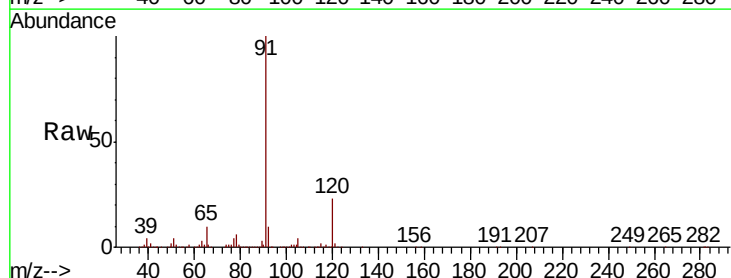
Acq: 05 Sep 2019 10:46

Tgt Ion: 91 Resp: 2797891

Ion Ratio Lower Upper

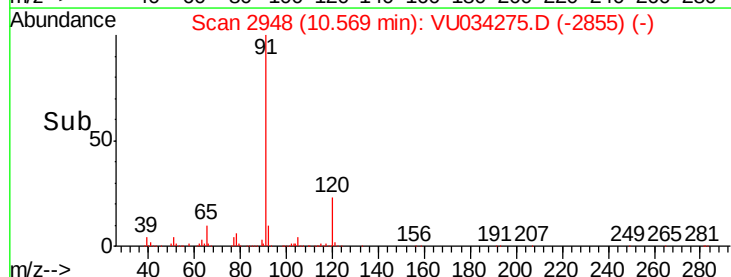
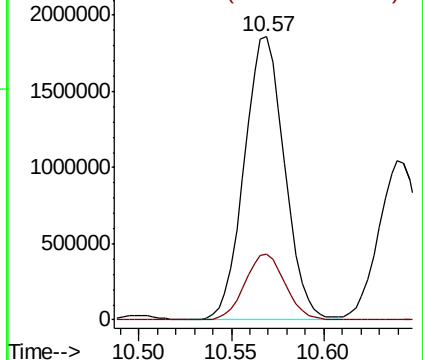
91 100

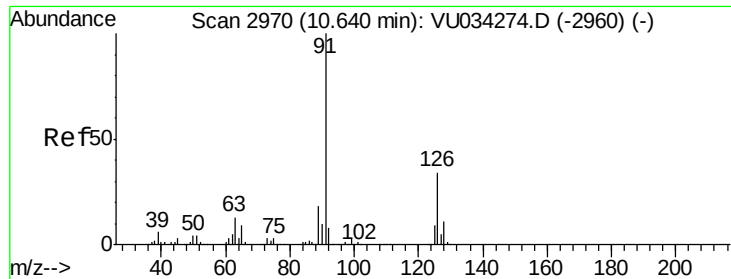
120 23.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 100.771 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

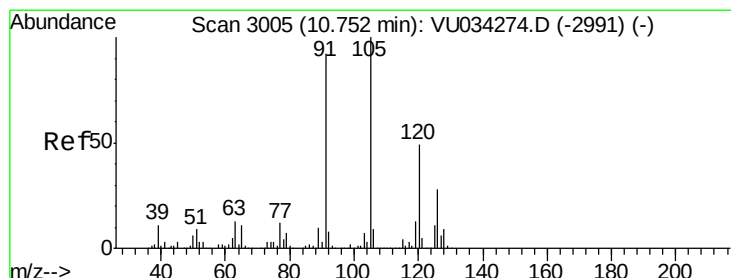
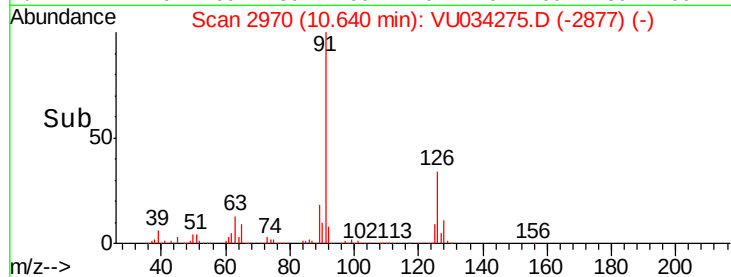
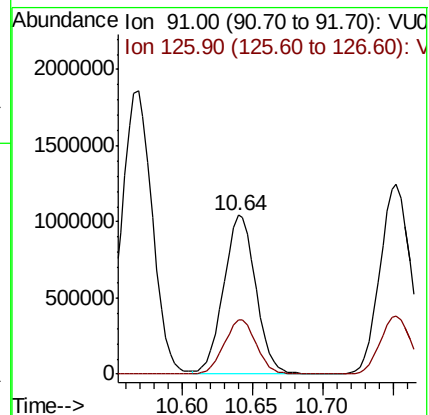
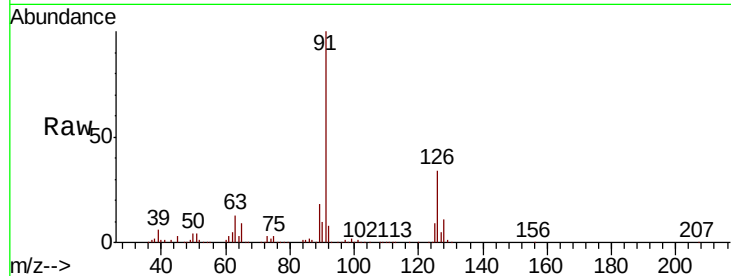
VSTDIC100

Tgt Ion: 91 Resp: 1656099

Ion Ratio Lower Upper

91 100

126 34.1 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 103.500 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034275.D

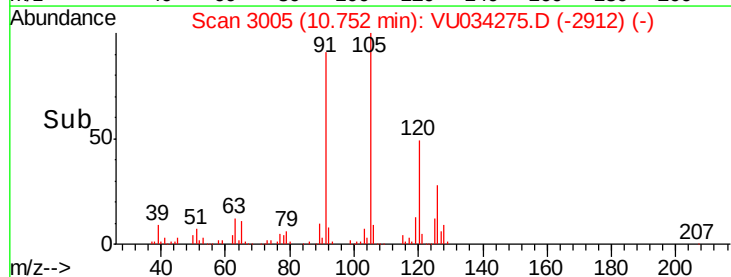
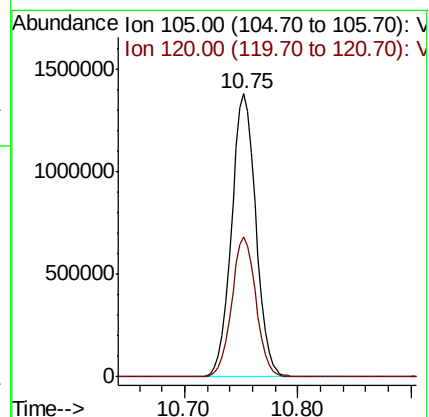
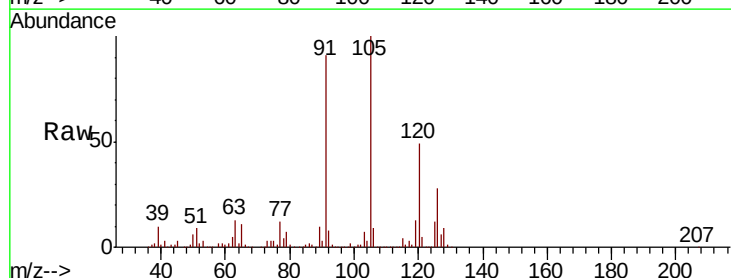
Acq: 05 Sep 2019 10:46

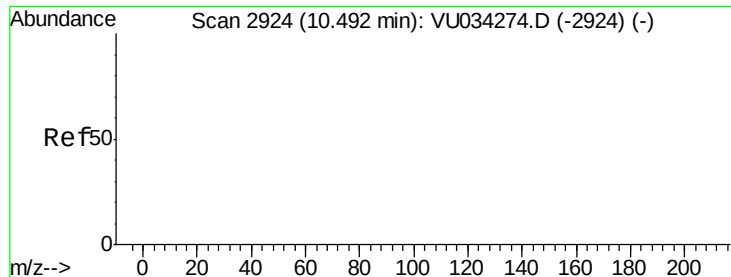
Tgt Ion: 105 Resp: 2060364

Ion Ratio Lower Upper

105 100

120 49.1 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 405.693 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.02 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

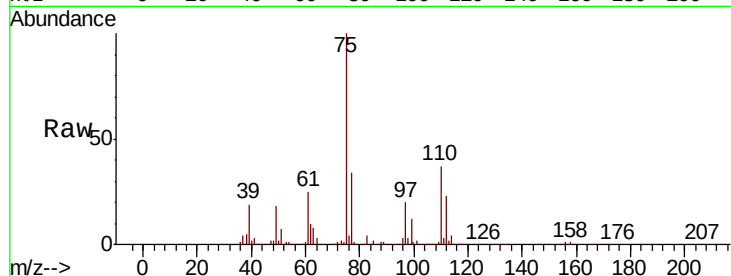
Tgt Ion: 75 Resp: 957701

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

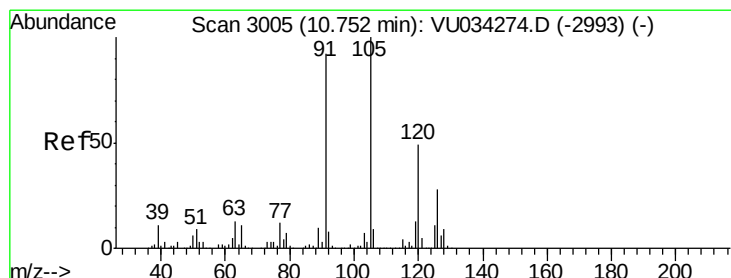
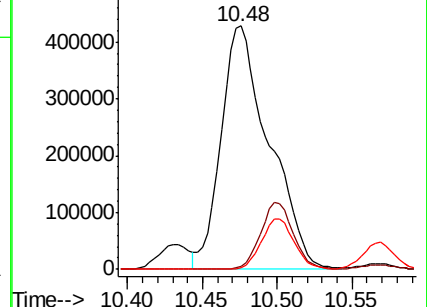
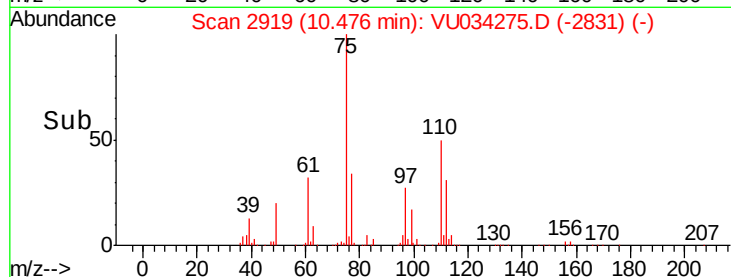


Abundance Ion 74.90 (74.60 to 75.60): VU034275.D (-2924) (-)

Ion 53.00 (52.70 to 53.70): VU034275.D (-2924) (-)

Ion 88.90 (88.60 to 89.60): VU034275.D (-2924) (-)

10.48



#82

4-Chlorotoluene

Concen: 101.671 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034275.D

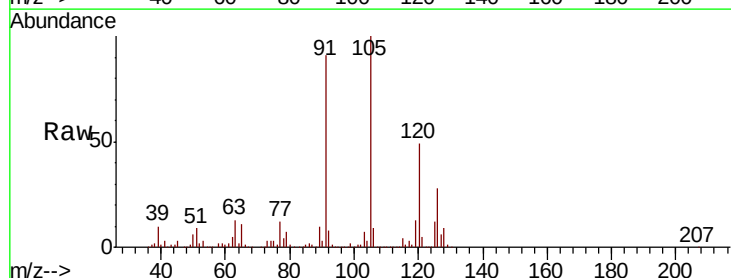
Acq: 05 Sep 2019 10:46

Tgt Ion: 91 Resp: 1926603

Ion Ratio Lower Upper

91 100

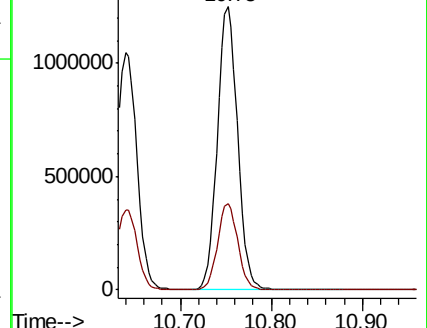
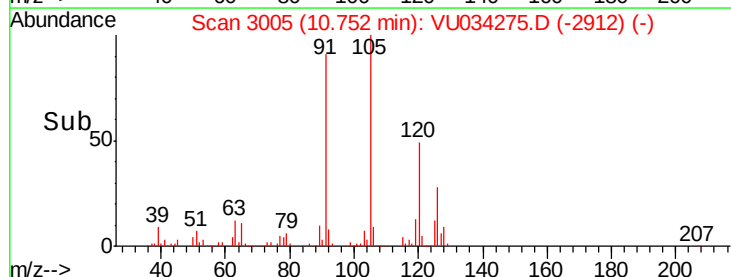
126 30.6 15.3 45.8

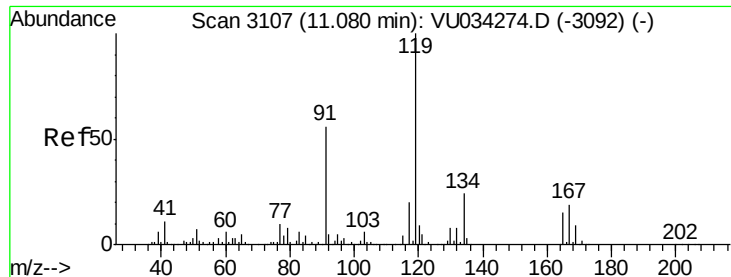


Abundance Ion 91.00 (90.70 to 91.70): VU034275.D (-2993) (-)

Ion 125.90 (125.60 to 126.60): VU034275.D (-2993) (-)

10.75

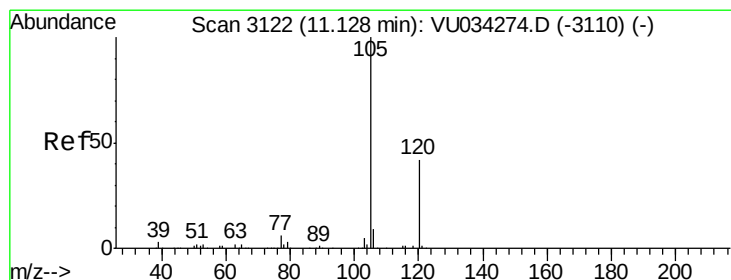
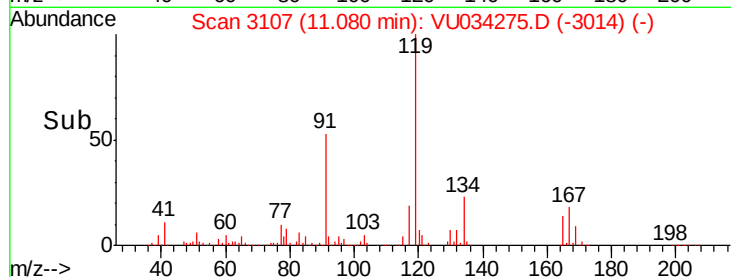
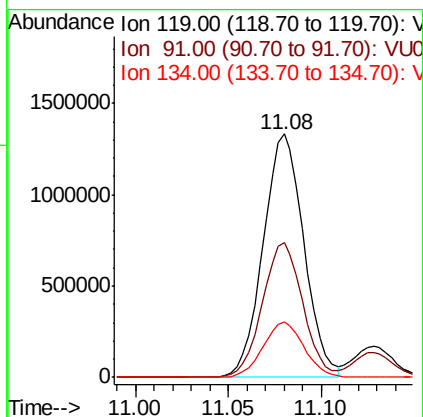
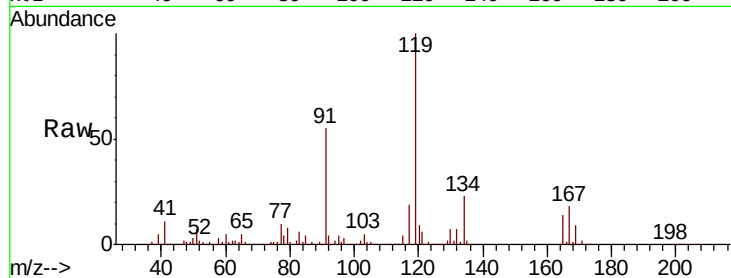




#83
 tert-Butylbenzene
 Concen: 104.096 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

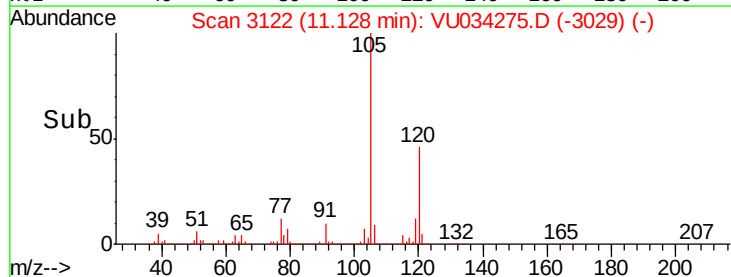
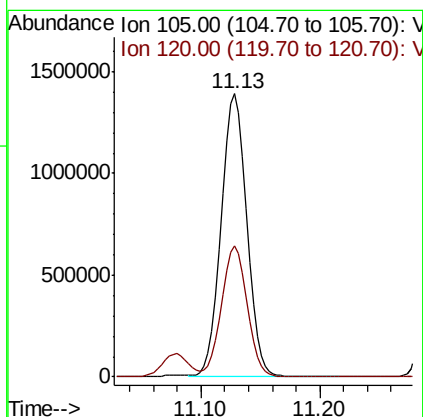
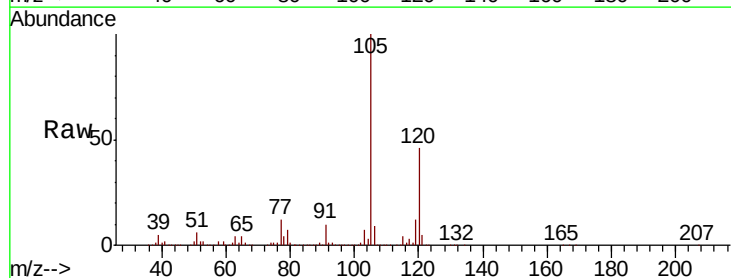
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

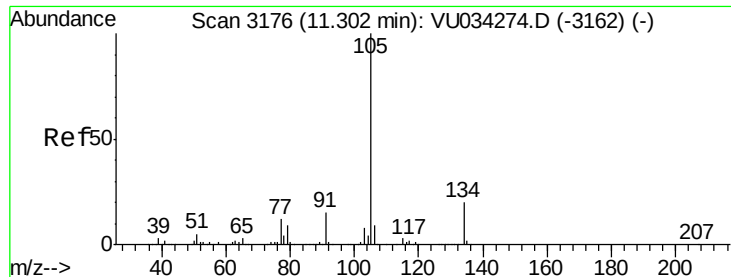
Tgt Ion:119 Resp: 2040752
 Ion Ratio Lower Upper
 119 100
 91 55.0 27.8 83.4
 134 22.8 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 105.193 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion:105 Resp: 2079652
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 103.519 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

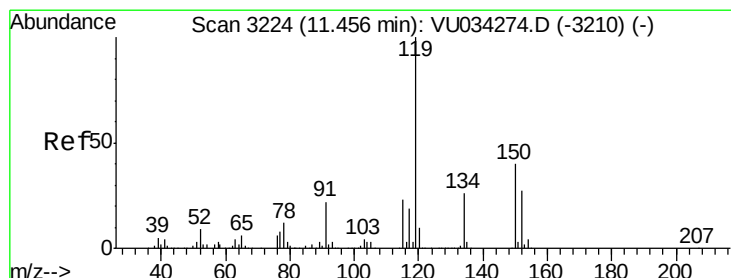
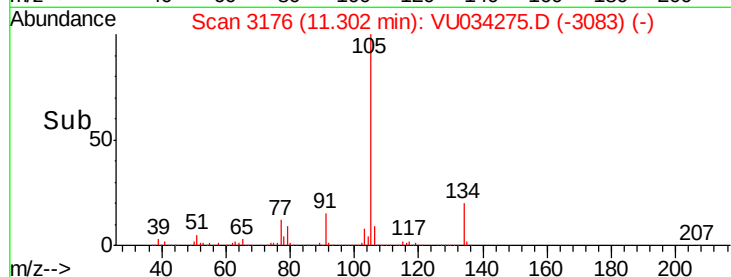
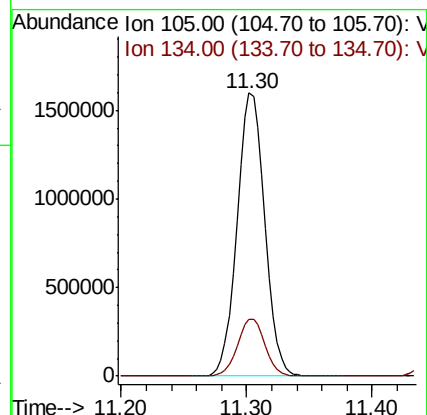
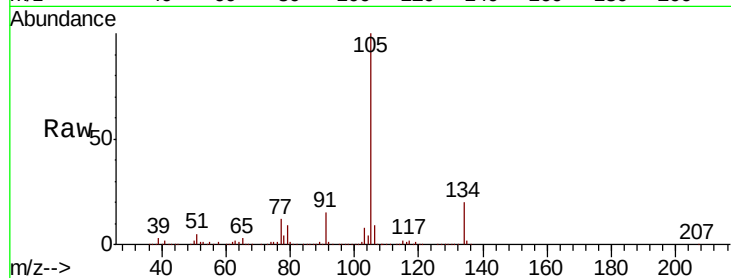
VSTDIC100

Tgt Ion:105 Resp: 2433057

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.3



#86

p-Isopropyltoluene

Concen: 106.255 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

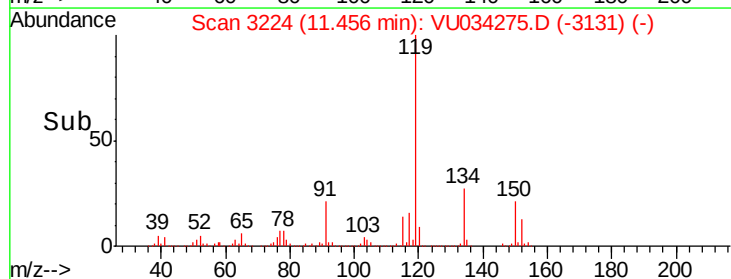
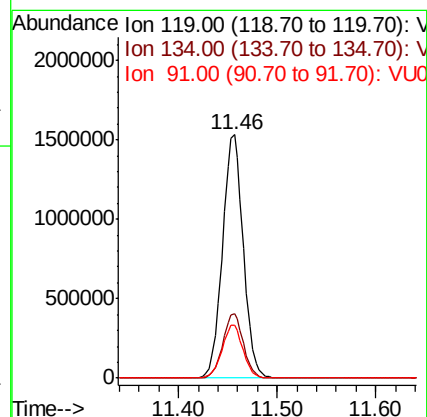
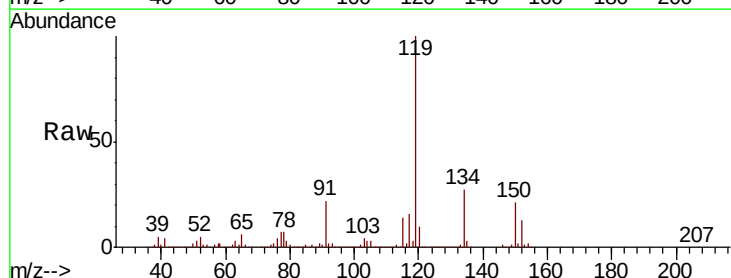
Tgt Ion:119 Resp: 2260590

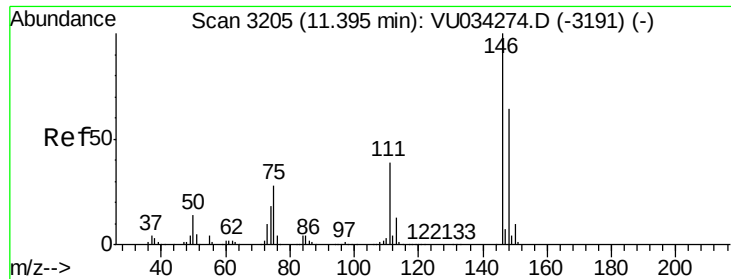
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 21.8 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 102.948 ug/l

RT: 11.40 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

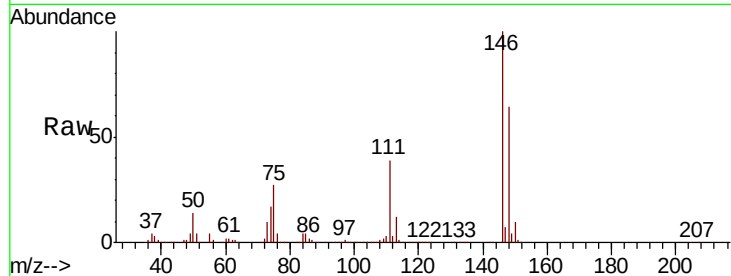
Tgt Ion:146 Resp: 1165179

Ion Ratio Lower Upper

146 100

111 39.0 19.5 58.5

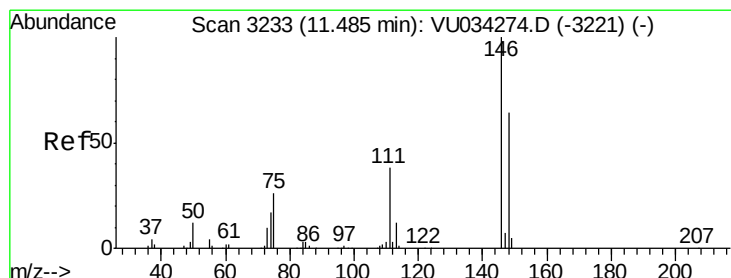
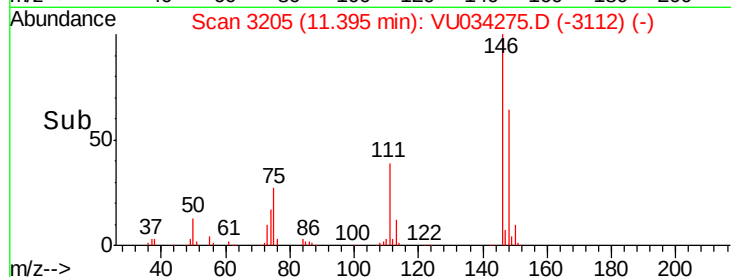
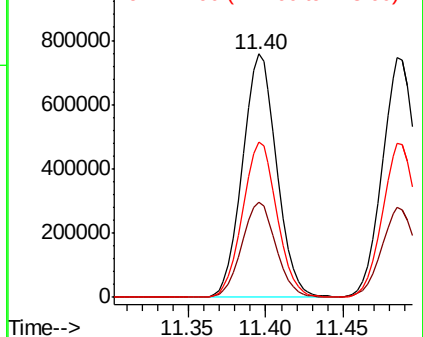
148 64.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 101.552 ug/l

RT: 11.49 min Scan# 3233

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

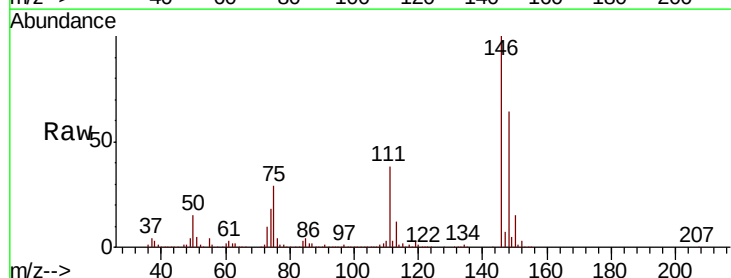
Tgt Ion:146 Resp: 1166201

Ion Ratio Lower Upper

146 100

111 37.8 19.1 57.3

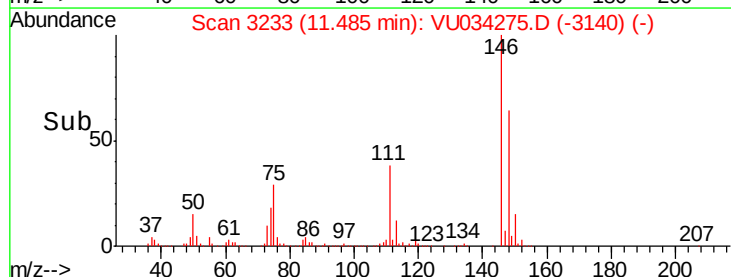
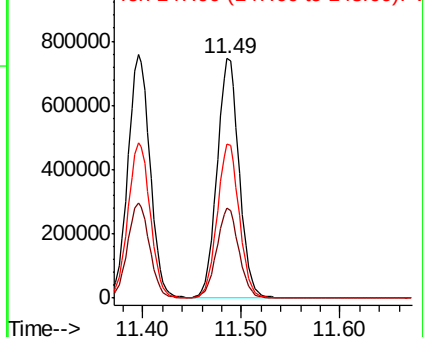
148 64.1 32.0 96.0

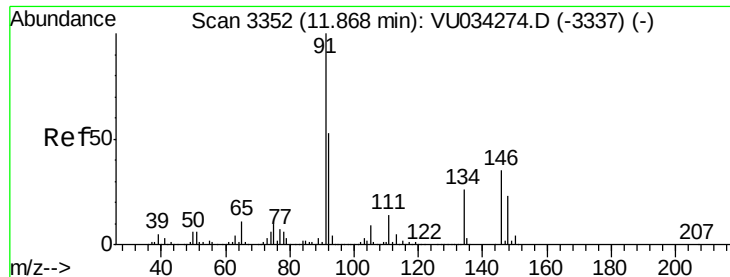


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

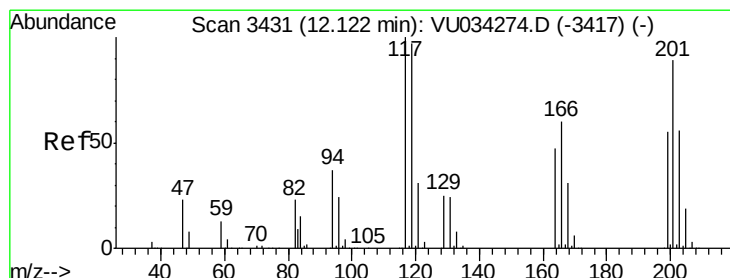
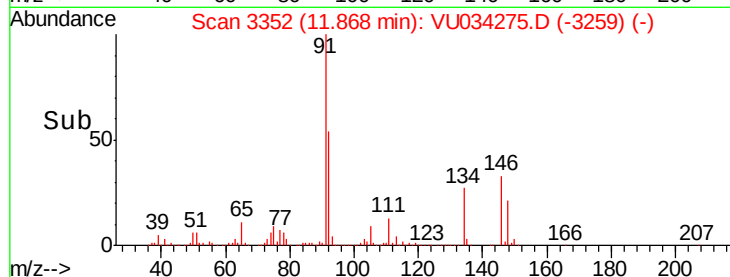
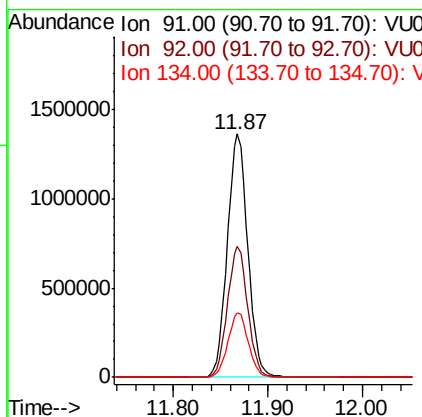
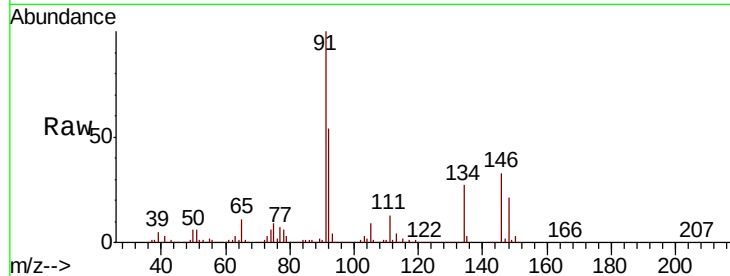




#89
n-Butylbenzene
Concen: 109.280 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

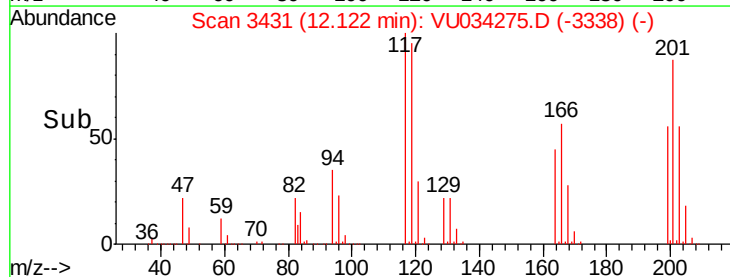
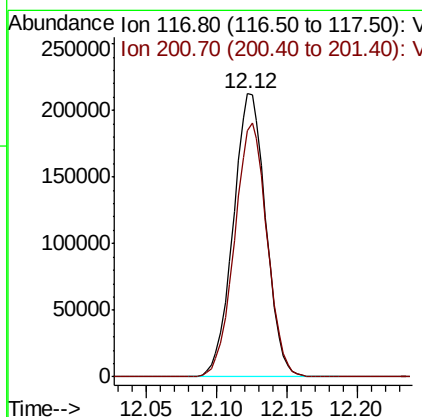
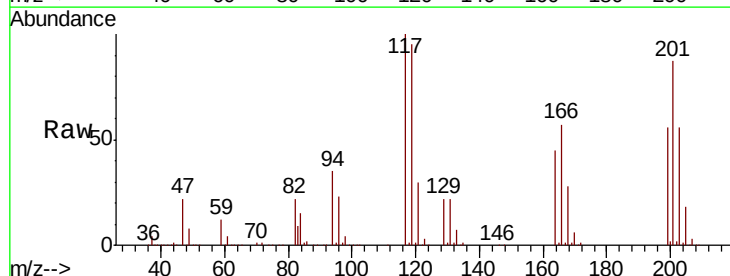
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

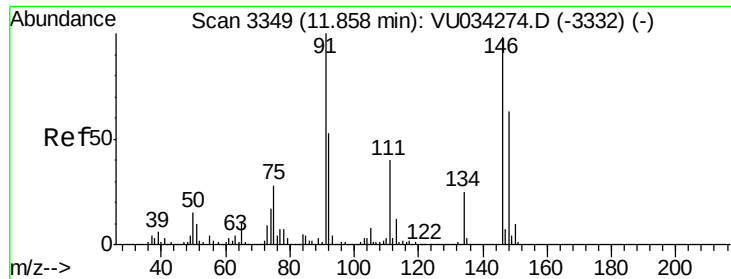
Tgt Ion: 91 Resp: 2046853
Ion Ratio Lower Upper
91 100
92 53.5 26.5 79.4
134 26.6 13.2 39.6



#90
Hexachloroethane
Concen: 94.456 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion: 117 Resp: 343631
Ion Ratio Lower Upper
117 100
201 89.4 44.1 132.4

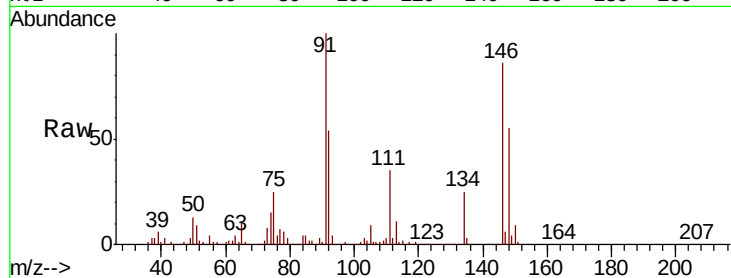




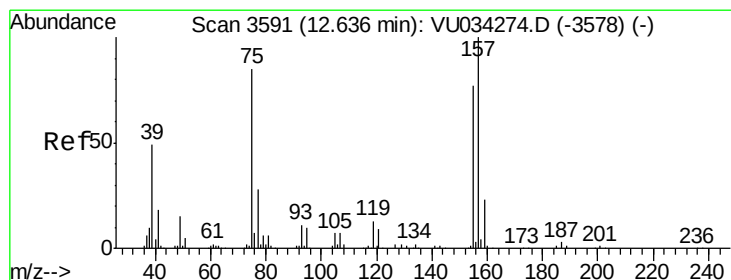
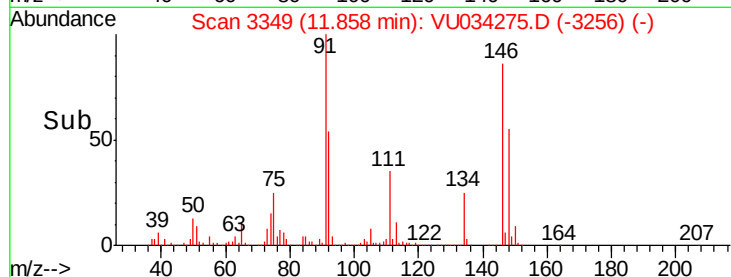
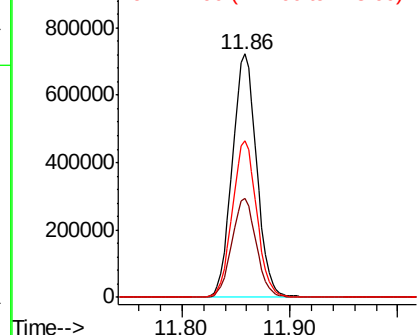
#91
 1,2-Dichlorobenzene
 Concen: 104.811 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 1140198
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.0 60.0
 148 64.2 31.6 94.8

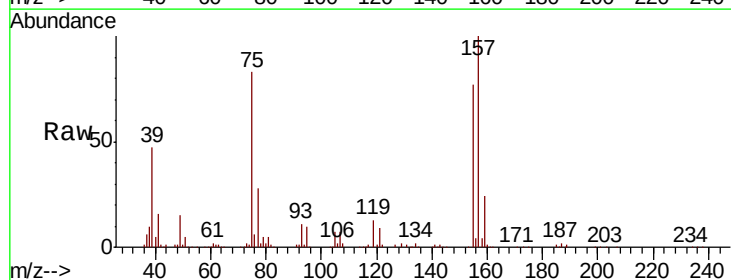


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

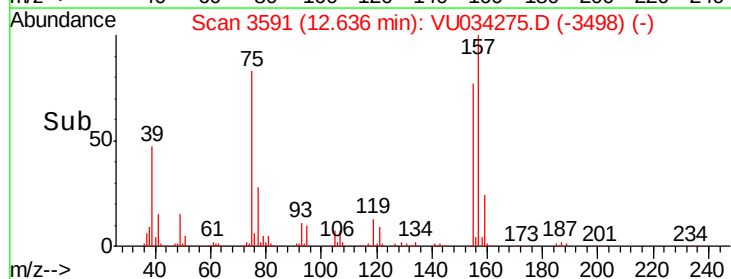
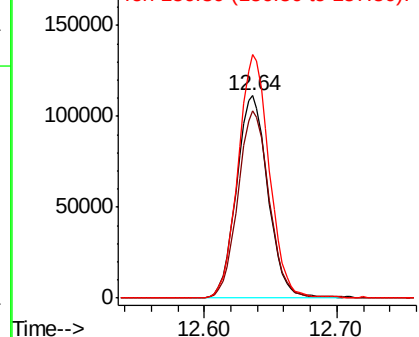


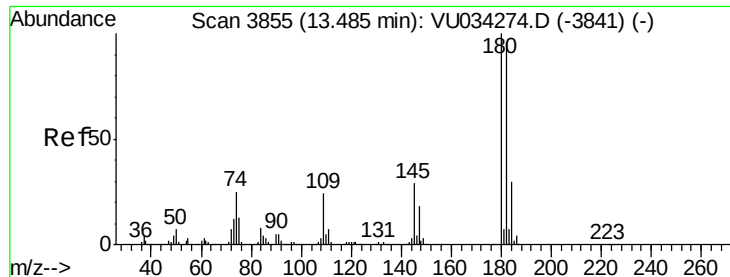
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.188 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion: 75 Resp: 183933
 Ion Ratio Lower Upper
 75 100
 155 92.6 44.6 134.0
 157 119.2 58.2 174.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

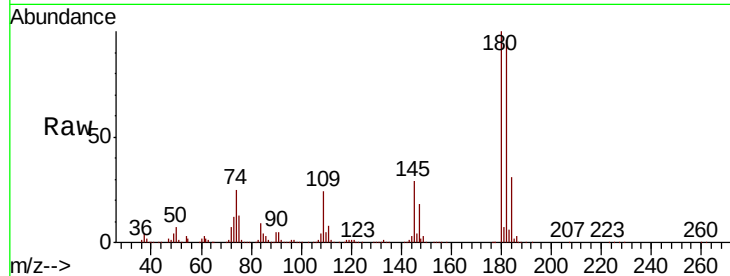




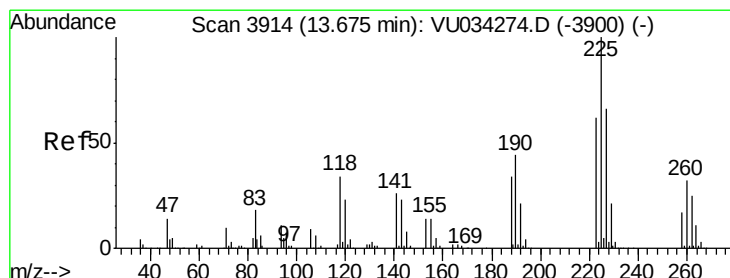
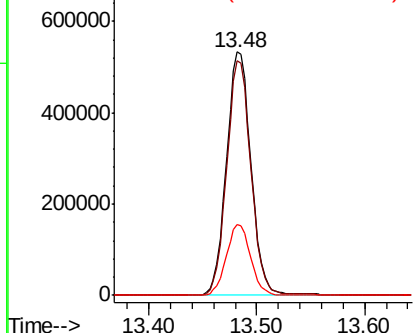
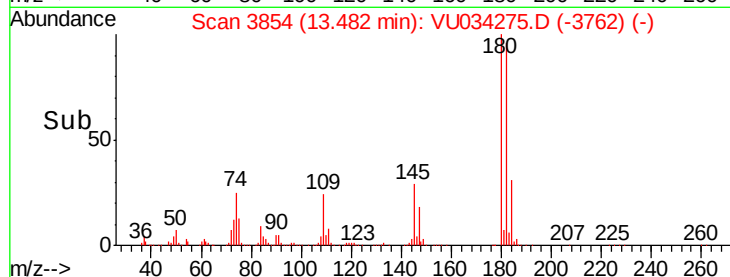
#93
 1,2,4-Trichlorobenzene
 Concen: 126.839 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 843342
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.9 143.8
 145 29.0 14.4 43.0

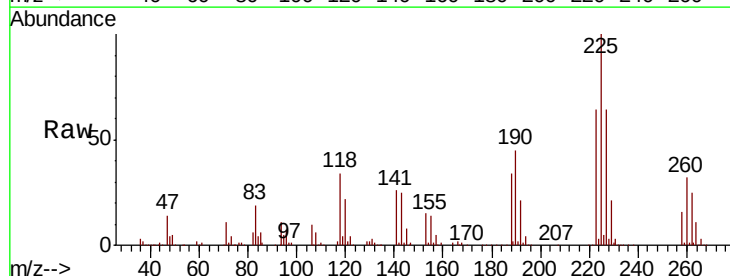


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

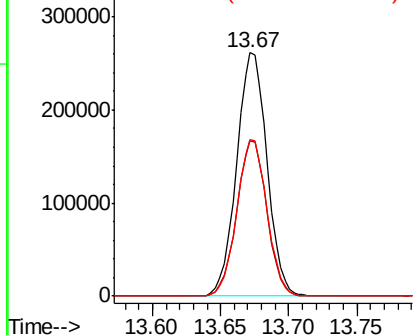
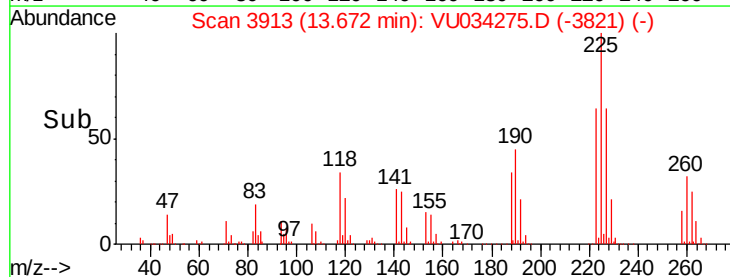


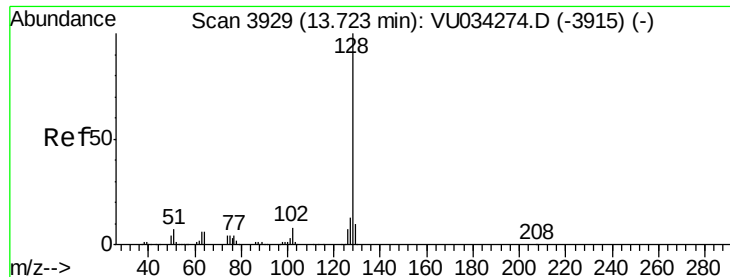
#94
 Hexachlorobutadiene
 Concen: 96.520 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion:225 Resp: 403306
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.6 94.7
 227 63.7 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: 129.988 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

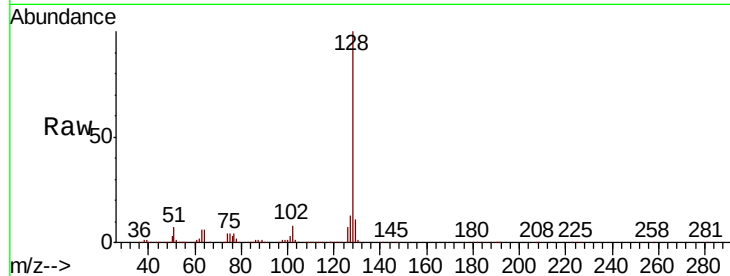
Tgt Ion:128 Resp: 2384384

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

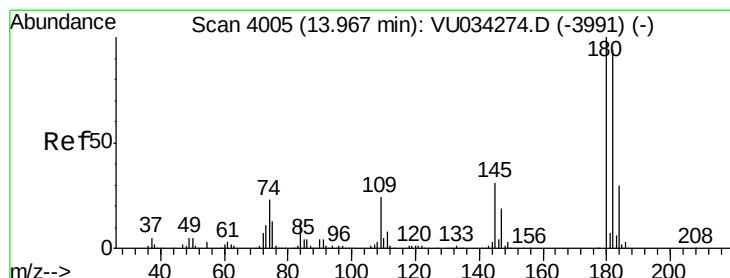
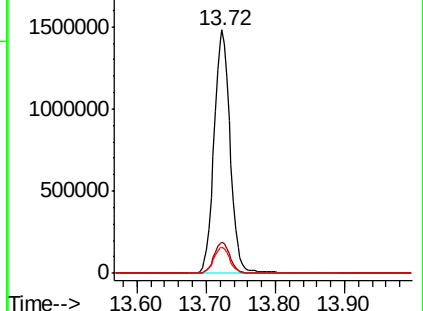
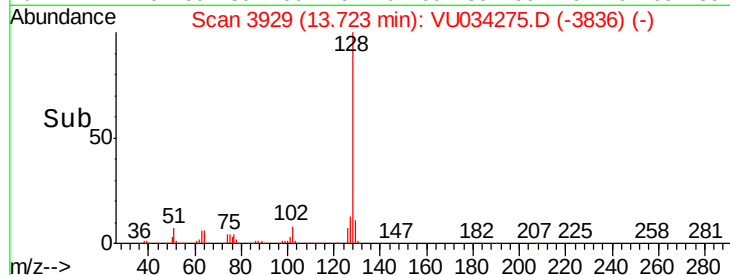
129 10.7 8.4 12.6



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: 115.808 ug/l

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

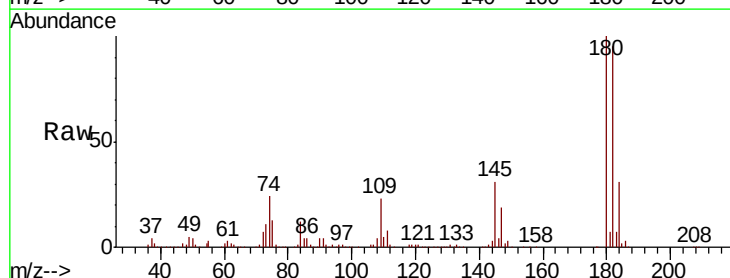
Tgt Ion:180 Resp: 808330

Ion Ratio Lower Upper

180 100

182 95.9 48.4 145.0

145 30.8 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

