

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
 Data File : VU034017.D
 Acq On : 28 Aug 2019 12:26
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 29 03:20:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 03:17:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	416616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	654859	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	635884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	320125	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	106301	21.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.92%	
35) Dibromofluoromethane	4.86	113	86818	19.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.88%	
50) Toluene-d8	7.55	98	342476	20.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.24%	
62) 4-Bromofluorobenzene	10.29	95	123748	19.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	91391	21.248	ug/l	96
3) Chloromethane	1.32	50	120938	22.225	ug/l	99
4) Vinyl Chloride	1.40	62	113435	24.966	ug/l	100
5) Bromomethane	1.60	94	64596	24.341	ug/l	99
6) Chloroethane	1.68	64	69558	25.736	ug/l	99
7) Trichlorofluoromethane	1.87	101	132588	22.958	ug/l	99
8) Diethyl Ether	2.09	74	56845	25.333	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	81754	22.383	ug/l	99
10) Methyl Iodide	2.40	142	116305	21.182	ug/l	100
11) Tert butyl alcohol	2.81	59	118746	96.063	ug/l	99
12) 1,1-Dichloroethene	2.27	96	84079	22.025	ug/l	98
13) Acrolein	2.18	56	51994	124.529	ug/l	100
14) Allyl chloride	2.58	41	158942	23.223	ug/l	99
15) Acrylonitrile	2.92	53	291062	114.361	ug/l	99
16) Acetone	2.31	43	279293	119.203	ug/l	100
17) Carbon Disulfide	2.46	76	260470	20.843	ug/l	98
18) Methyl Acetate	2.60	43	134349	23.351	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	281196	21.978	ug/l	99
20) Methylene Chloride	2.68	84	103343	21.260	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	91921	21.298	ug/l	98
22) Diisopropyl ether	3.55	45	298947	23.736	ug/l	95
23) Vinyl Acetate	3.50	43	1278098	119.085	ug/l	100
24) 1,1-Dichloroethane	3.42	63	171134	22.003	ug/l	99
25) 2-Butanone	4.24	43	397978	118.343	ug/l	100
26) 2,2-Dichloropropane	4.20	77	139277	21.295	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	103622	21.409	ug/l	98
28) Bromochloromethane	4.52	49	85691	23.719	ug/l	97
29) Tetrahydrofuran	4.61	42	249971	119.314	ug/l	99
30) Chloroform	4.65	83	169286	21.404	ug/l	98
31) Cyclohexane	4.97	56	159384	22.149	ug/l	94
32) 1,1,1-Trichloroethane	4.89	97	139825	21.117	ug/l	99
36) 1,1-Dichloropropene	5.11	75	120897	19.708	ug/l	99
37) Ethyl Acetate	4.36	43	139024	22.227	ug/l	100
38) Carbon Tetrachloride	5.11	117	120368	19.463	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	145035	20.006	ug/l	97
40) Benzene	5.37	78	382837	20.966	ug/l	100
41) Methacrylonitrile	4.52	41	74518	22.876	ug/l	100
42) 1,2-Dichloroethane	5.38	62	132655	21.405	ug/l	98
43) Isopropyl Acetate	5.53	43	214611	22.315	ug/l	99
44) Trichloroethene	6.17	130	100111	19.539	ug/l	100
45) 1,2-Dichloropropane	6.41	63	105183	21.364	ug/l	99
46) Dibromomethane	6.54	93	66899	20.223	ug/l	99
47) Bromodichloromethane	6.74	83	131140	20.742	ug/l	99
48) Methyl methacrylate	6.60	41	100971	21.863	ug/l	98
49) 1,4-Dioxane	6.59	88	49863	408.390	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	758039	113.845	ug/l	98
52) Toluene	7.62	92	232517	20.223	ug/l	96
53) t-1,3-Dichloropropene	7.86	75	144295	20.485	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	158575	20.915	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	100198	20.524	ug/l	99
56) Ethyl methacrylate	8.00	69	144306	20.745	ug/l	100
57) 1,3-Dichloropropane	8.22	76	170955	21.530	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	278250	108.744	ug/l	99
59) 2-Hexanone	8.34	43	572864	112.032	ug/l	98
60) Dibromochloromethane	8.46	129	103030	18.984	ug/l	100
61) 1,2-Dibromoethane	8.57	107	102757	20.059	ug/l	99
64) Tetrachloroethene	8.21	164	86024	17.114	ug/l	99
65) Chlorobenzene	9.10	112	259958	19.565	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	92388	18.817	ug/l	98
67) Ethyl Benzene	9.23	91	441747	19.836	ug/l	99
68) m/p-Xylenes	9.36	106	344229	40.199	ug/l	100
69) o-Xylene	9.76	106	162412	19.789	ug/l	97
70) Styrene	9.77	104	280740	19.978	ug/l	99
71) Bromoform	9.94	173	79304	18.247	ug/l #	99
73) Isopropylbenzene	10.15	105	450142	21.302	ug/l	98
74) N-amyl acetate	10.00	43	185199	22.801	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	167956	21.866	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	187679	28.509	ug/l	86
77) Bromobenzene	10.43	156	115563	19.533	ug/l	98
78) n-propylbenzene	10.57	91	513178	21.329	ug/l	100
79) 2-Chlorotoluene	10.64	91	310097	21.340	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	383538	21.216	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.48	75	187679	84.764	ug/l #	100
82) 4-Chlorotoluene	10.76	91	351964	20.980	ug/l	99
83) tert-Butylbenzene	11.08	119	361846	20.547	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	380580	21.393	ug/l	100
85) sec-Butylbenzene	11.30	105	437990	20.859	ug/l	100
86) p-Isopropyltoluene	11.46	119	400497	20.491	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	204173	19.473	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	205060	19.395	ug/l	99
89) n-Butylbenzene	11.87	91	346880	21.011	ug/l	98
90) Hexachloroethane	12.12	117	65724	20.258	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	199559	19.378	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	33043	21.697	ug/l	97

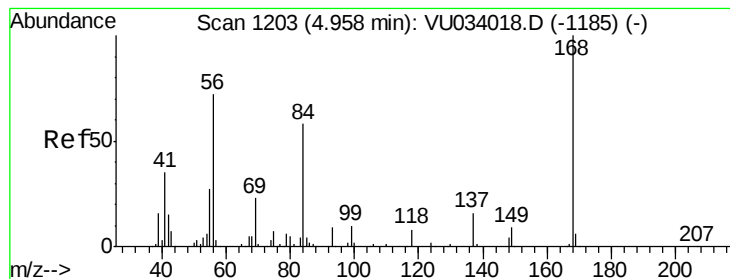
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	120192	19.062	ug/l	97
94) Hexachlorobutadiene	13.67	225	77395	18.518	ug/l	99
95) Naphthalene	13.73	128	333362	19.942	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	124539	19.121	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

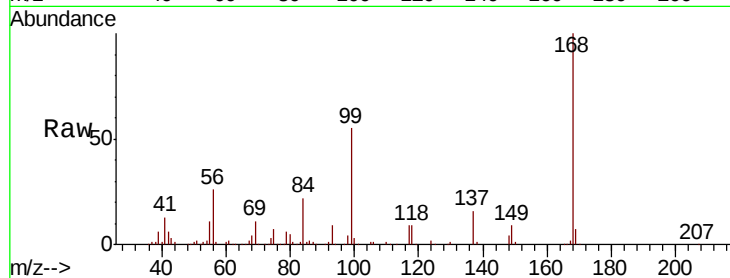
VSTDIC020

Tgt Ion:168 Resp: 416616

Ion Ratio Lower Upper

168 100

99 54.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034017.D (-1110) (-)

Ion 98.90 (98.60 to 99.60): VU034017.D (-1110) (-)

4.96

200000

150000

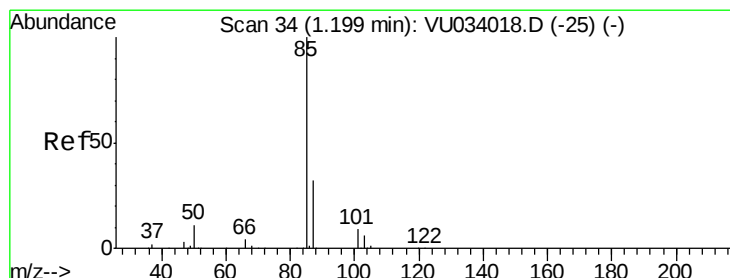
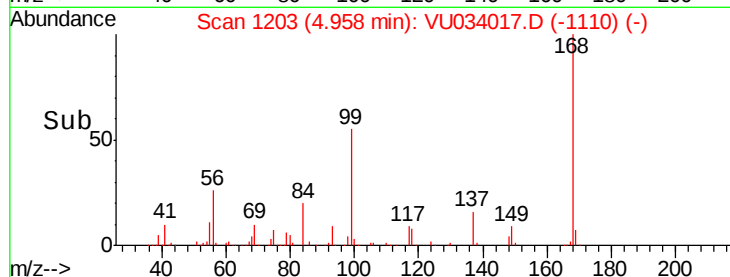
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.248 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034017.D

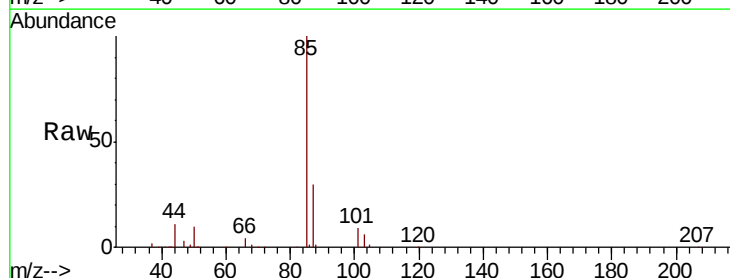
Acq: 28 Aug 2019 12:26

Tgt Ion: 85 Resp: 91391

Ion Ratio Lower Upper

85 100

87 30.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034017.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034017.D (-1) (-)

1.20

100000

80000

60000

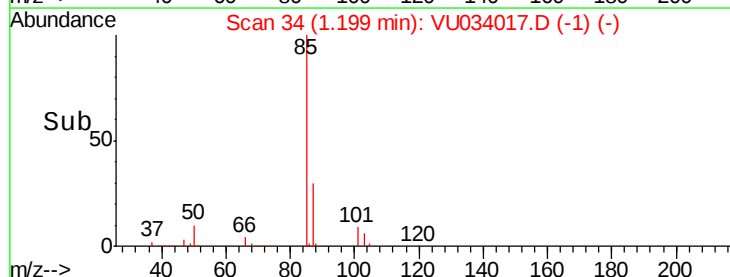
40000

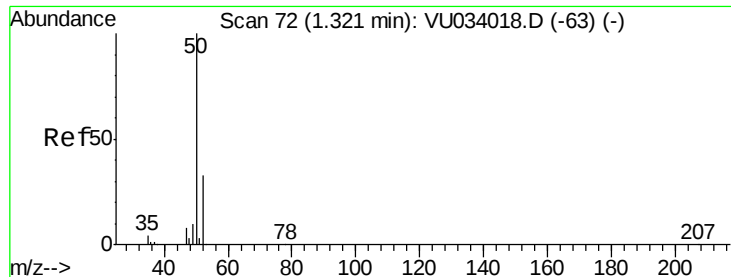
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 22.225 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

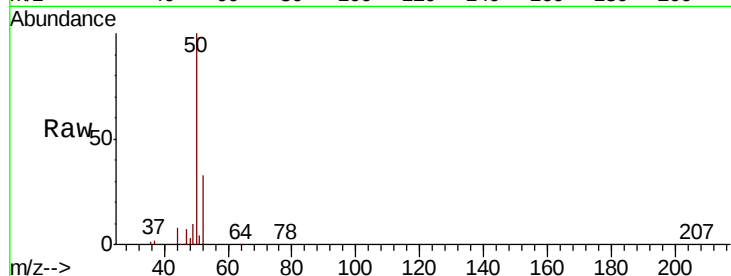
VSTDIC020

Tgt Ion: 50 Resp: 120938

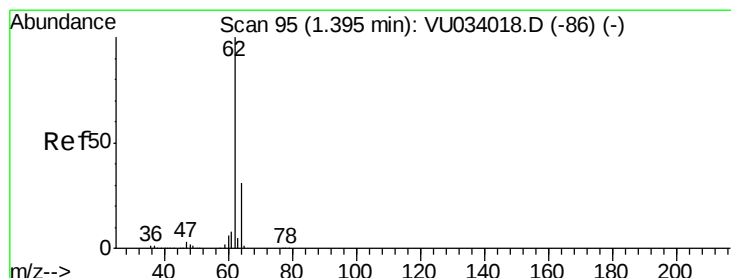
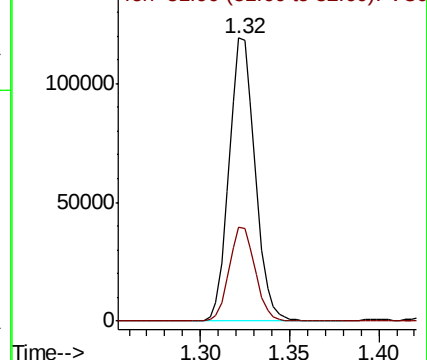
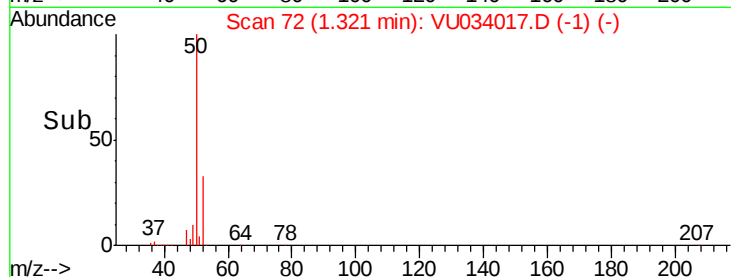
Ion Ratio Lower Upper

50 100

52 33.1 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034017.D (-1) (-)



#4

Vinyl Chloride

Concen: 24.966 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034017.D

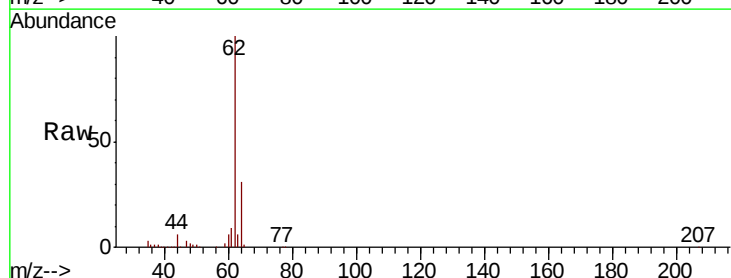
Acq: 28 Aug 2019 12:26

Tgt Ion: 62 Resp: 113435

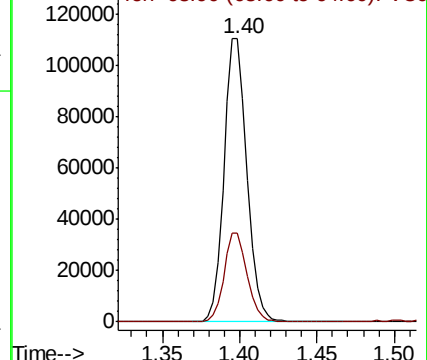
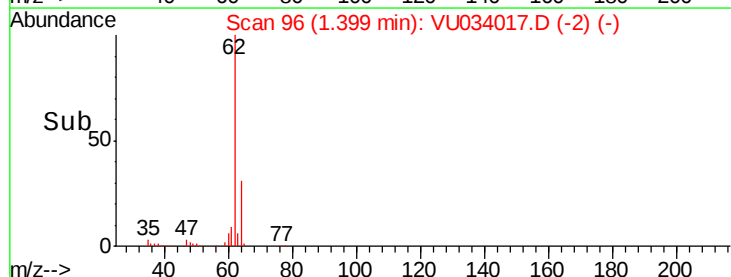
Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU034017.D (-2) (-)





#5

Bromomethane

Concen: 24.341 ug/l

RT: 1.60 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

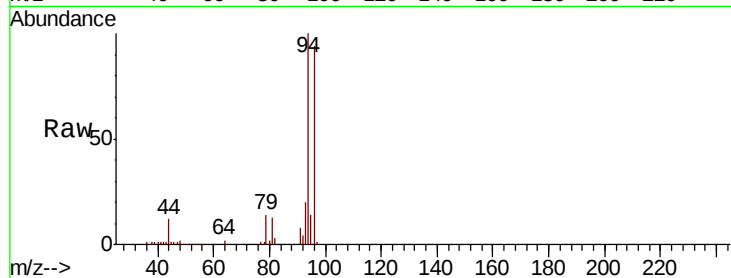
VSTDIC020

Tgt Ion: 94 Resp: 64596

Ion Ratio Lower Upper

94 100

96 94.0 76.3 114.5

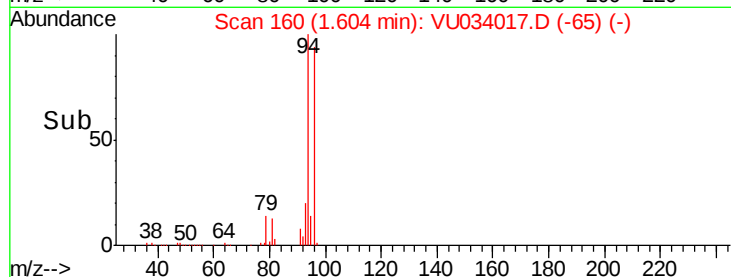


Abundance Ion 93.90 (93.60 to 94.60): VU034017.D (-160) (-)

Ion 95.90 (95.60 to 96.60): VU034017.D (-160) (-)

1.60

Time-->



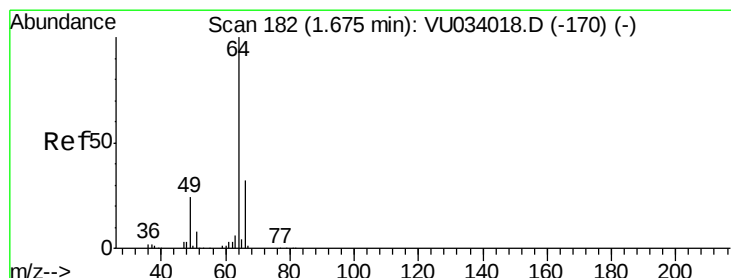
Abundance

Ion 93.90 (93.60 to 94.60): VU034017.D (-160) (-)

Ion 95.90 (95.60 to 96.60): VU034017.D (-160) (-)

1.60

Time-->



#6

Chloroethane

Concen: 25.736 ug/l

RT: 1.68 min Scan# 184

Delta R.T. 0.01 min

Lab File: VU034017.D

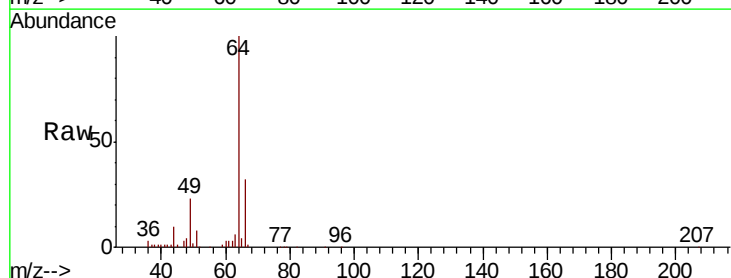
Acq: 28 Aug 2019 12:26

Tgt Ion: 64 Resp: 69558

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3

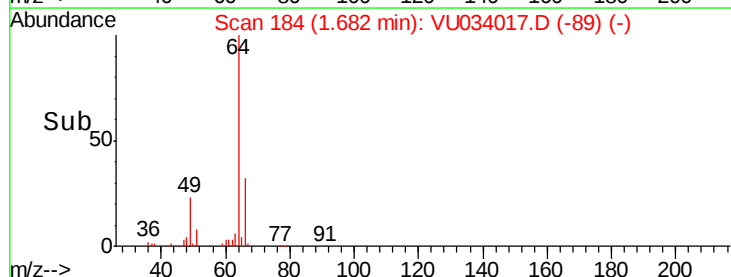


Abundance Ion 63.90 (63.60 to 64.60): VU034017.D (-184) (-)

Ion 65.90 (65.60 to 66.60): VU034017.D (-184) (-)

1.68

Time-->



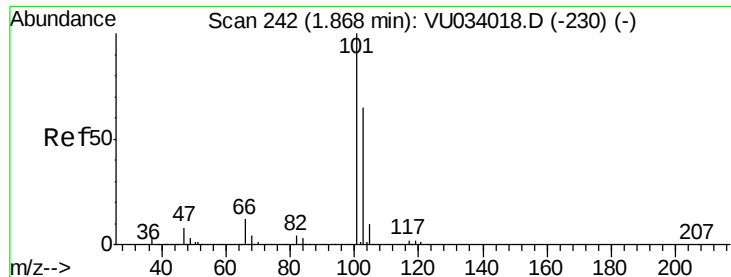
Abundance

Ion 63.90 (63.60 to 64.60): VU034017.D (-184) (-)

Ion 65.90 (65.60 to 66.60): VU034017.D (-184) (-)

1.68

Time-->

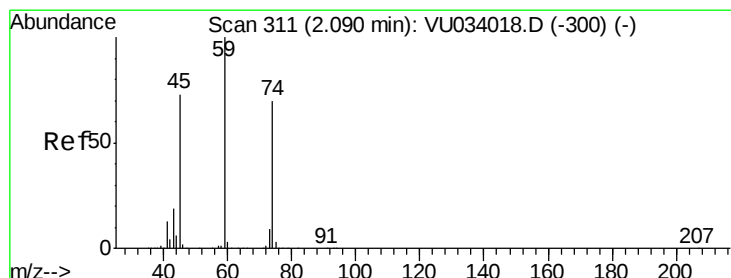
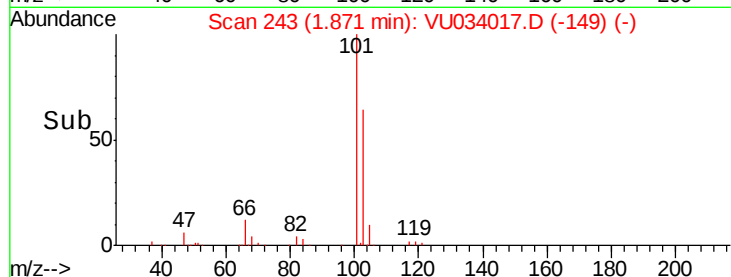
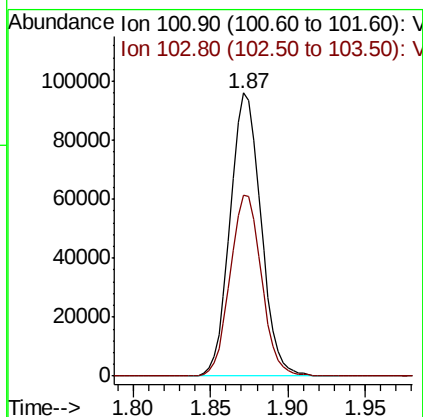
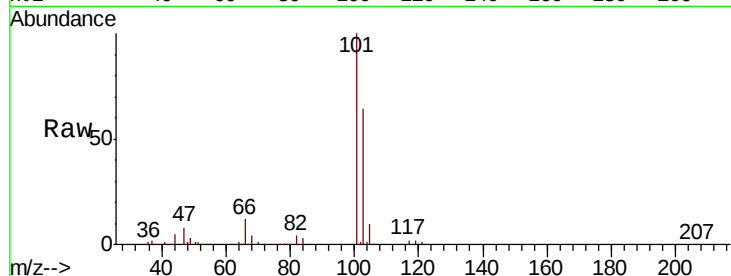


#7

Trichlorofluoromethane
 Concen: 22.958 ug/l
 RT: 1.87 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Instrument :
 MSVOA_U
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 VSTDIC020

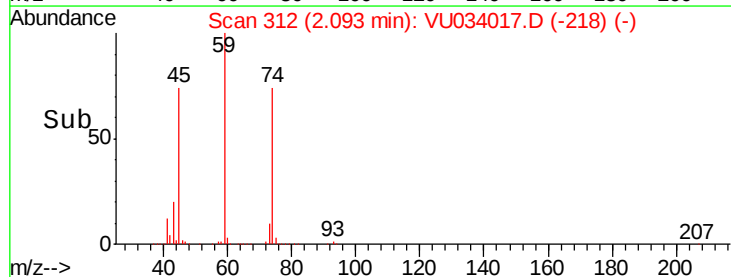
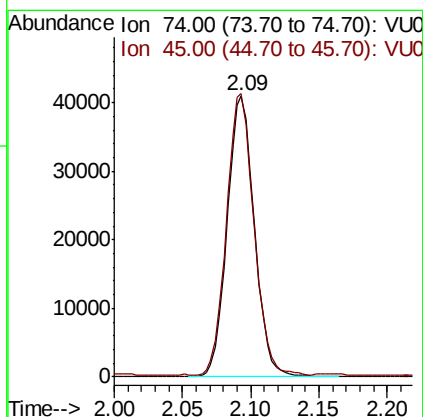
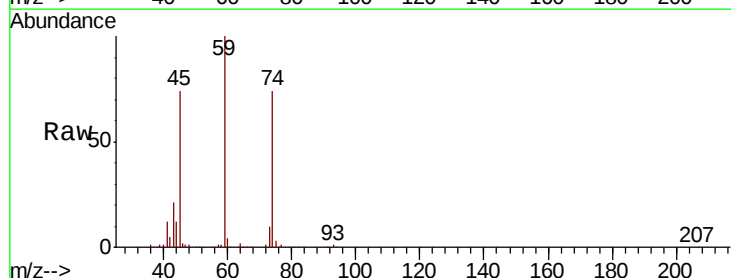
Tgt Ion:101 Resp: 132588
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.1 78.1

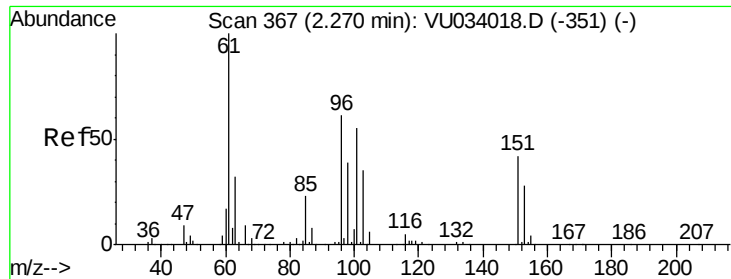


#8

Diethyl Ether
 Concen: 25.333 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Tgt Ion: 74 Resp: 56845
 Ion Ratio Lower Upper
 74 100
 45 100.9 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.383 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

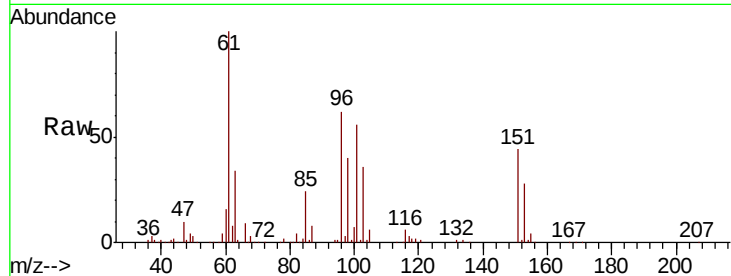
Tgt Ion:101 Resp: 81754

Ion Ratio Lower Upper

101 100

85 42.9 34.2 51.2

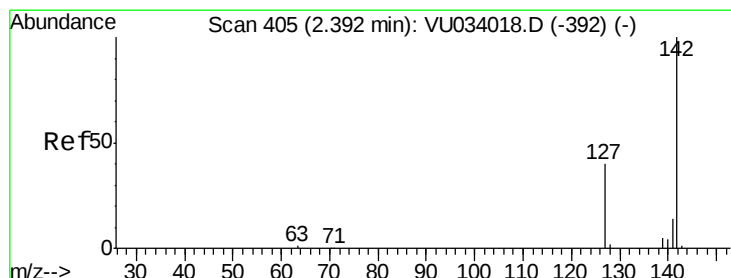
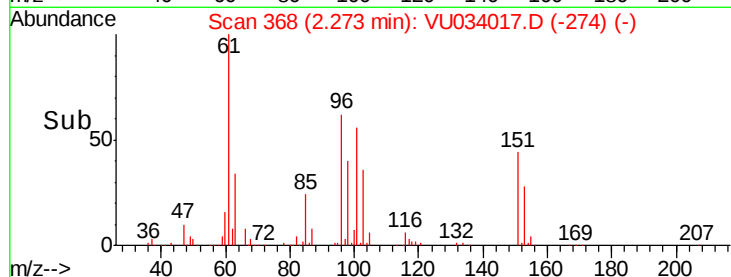
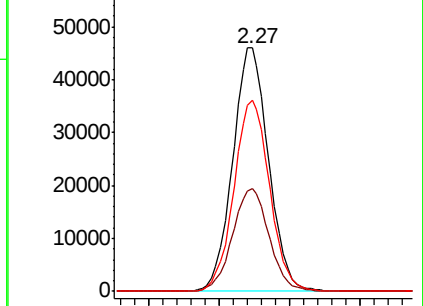
151 78.2 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.182 ug/l

RT: 2.40 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

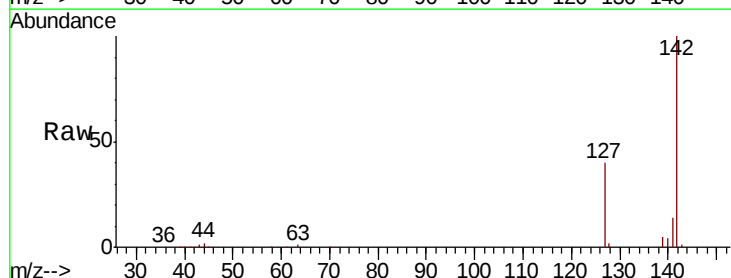
Tgt Ion:142 Resp: 116305

Ion Ratio Lower Upper

142 100

127 40.8 32.6 48.8

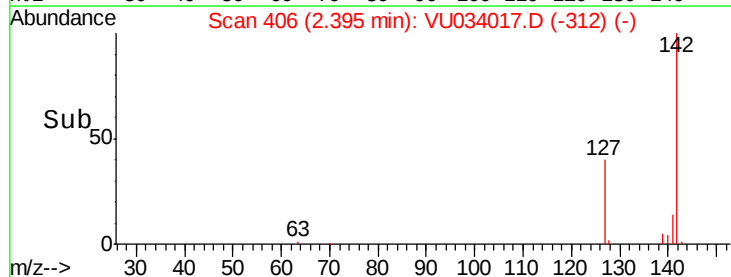
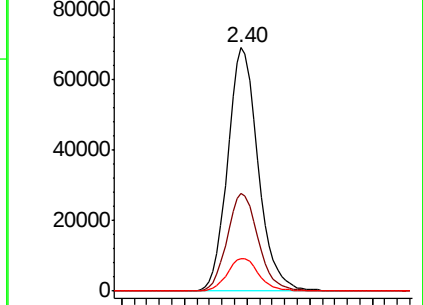
141 13.9 11.3 16.9

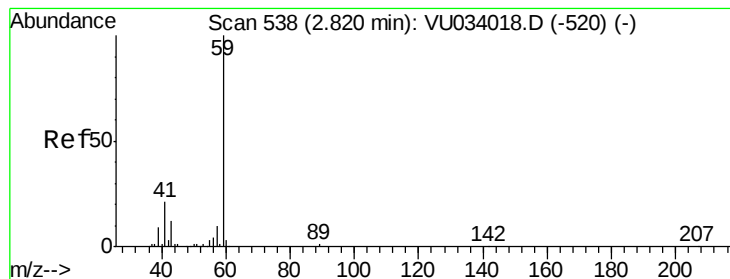


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 96.063 ug/l

RT: 2.81 min Scan# 536

Delta R.T. -0.01 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

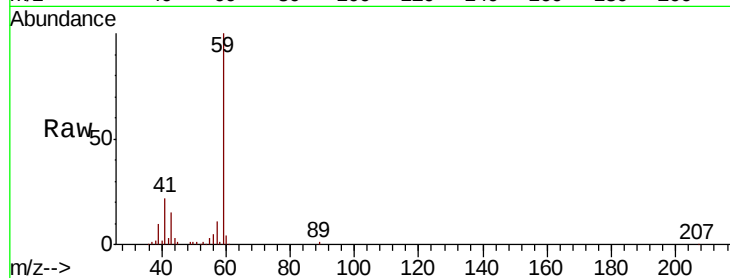
VSTDIC020

Tgt Ion: 59 Resp: 118746

Ion Ratio Lower Upper

59 100

57 10.4 8.0 12.0

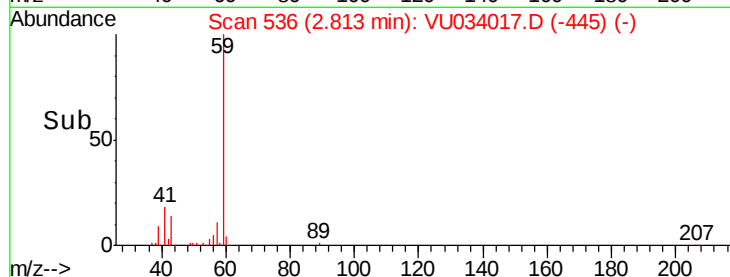


Abundance Ion 59.00 (58.70 to 59.70): VU034018.D (-520) (-)

Ion 57.00 (56.70 to 57.70): VU034017.D (-445) (-)

2.81

Time-->



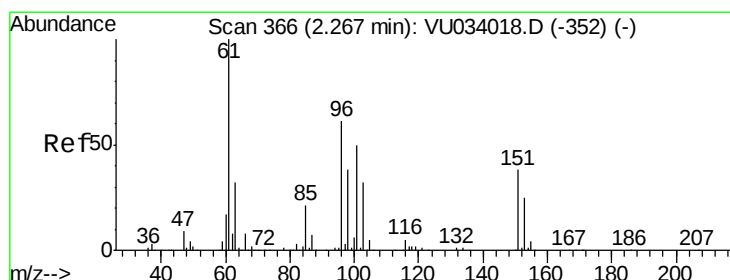
Abundance

Ion 59.00 (58.70 to 59.70): VU034018.D (-520) (-)

Ion 57.00 (56.70 to 57.70): VU034017.D (-445) (-)

2.81

Time-->



#12

1,1-Dichloroethene

Concen: 22.025 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

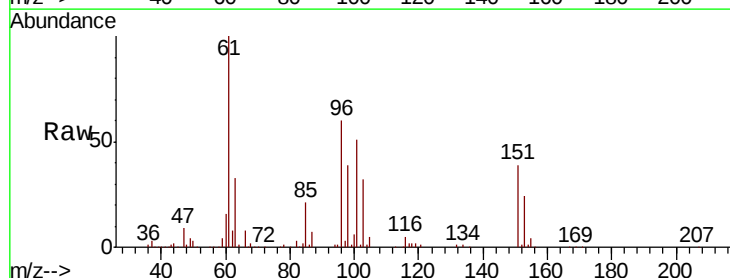
Tgt Ion: 96 Resp: 84079

Ion Ratio Lower Upper

96 100

61 167.0 131.3 196.9

98 64.4 50.3 75.5



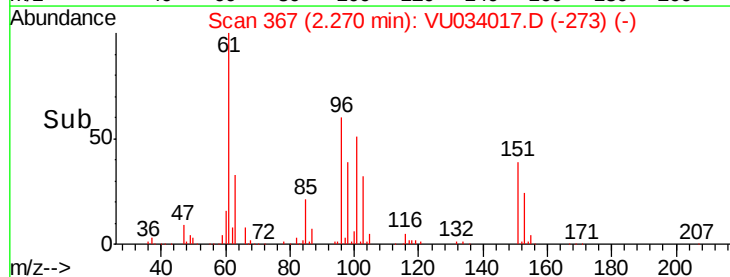
Abundance Ion 95.90 (95.60 to 96.60): VU034018.D (-352) (-)

Ion 60.90 (60.60 to 61.60): VU034017.D (-273) (-)

Ion 97.90 (97.60 to 98.60): VU034017.D (-273) (-)

2.27

Time-->



Abundance

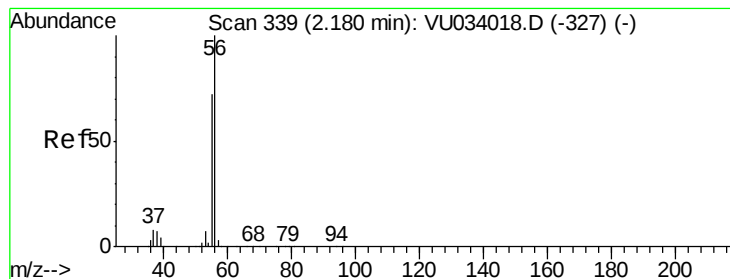
Ion 95.90 (95.60 to 96.60): VU034018.D (-352) (-)

Ion 60.90 (60.60 to 61.60): VU034017.D (-273) (-)

Ion 97.90 (97.60 to 98.60): VU034017.D (-273) (-)

2.27

Time-->



#13

Acrolein

Concen: 124.529 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

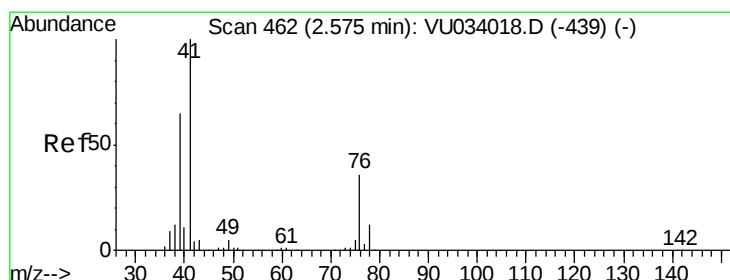
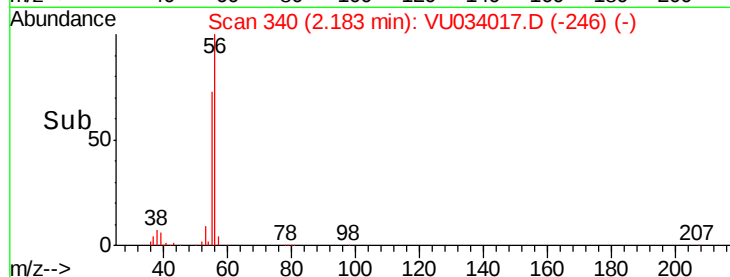
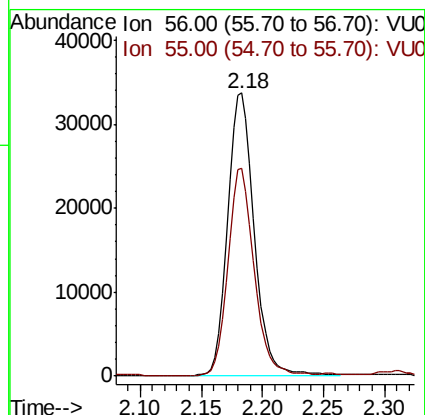
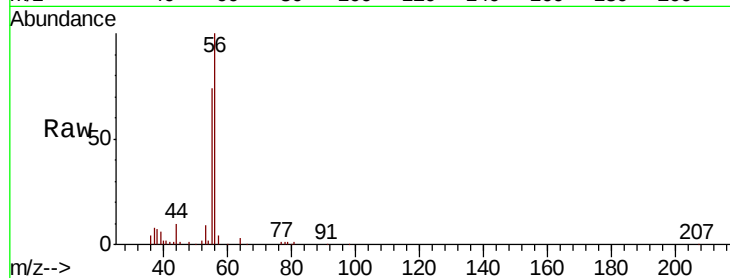
VSTDIC020

Tgt Ion: 56 Resp: 51994

Ion Ratio Lower Upper

56 100

55 71.7 57.1 85.7



#14

Allyl chloride

Concen: 23.223 ug/l

RT: 2.58 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

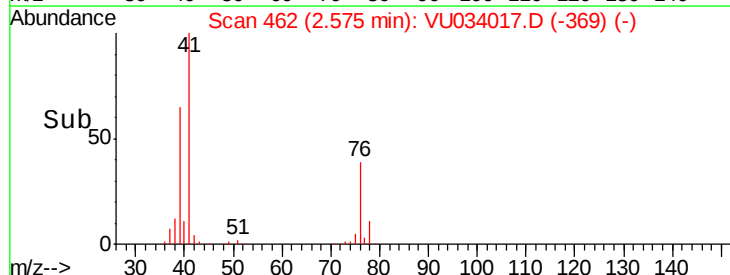
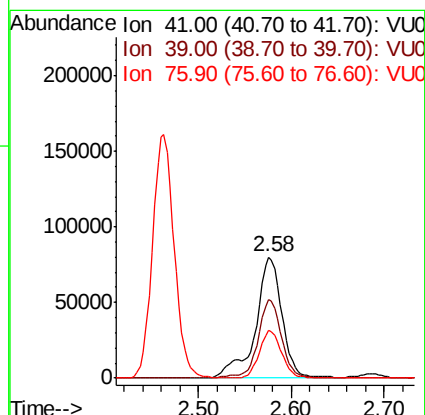
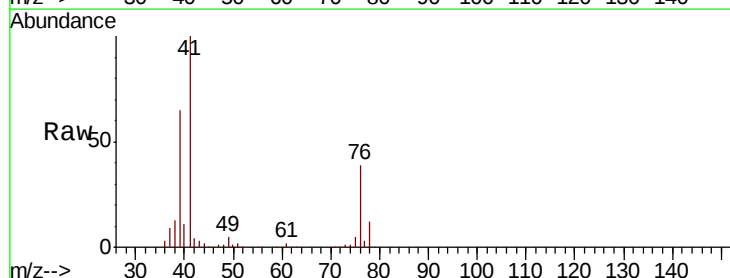
Tgt Ion: 41 Resp: 158942

Ion Ratio Lower Upper

41 100

39 57.3 46.8 70.2

76 32.7 26.6 40.0





#15

Acrylonitrile

Concen: 114.361 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

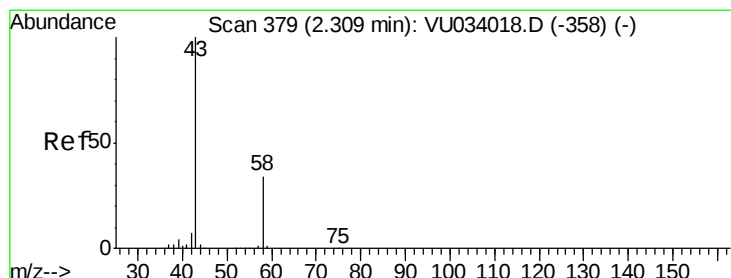
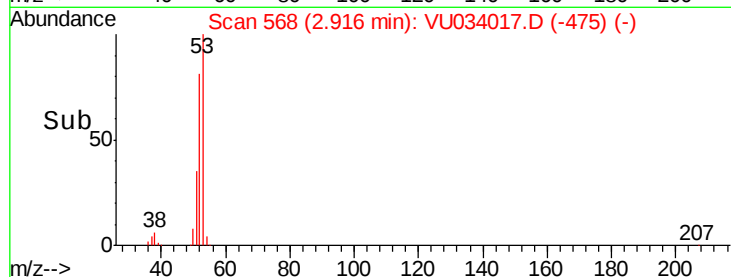
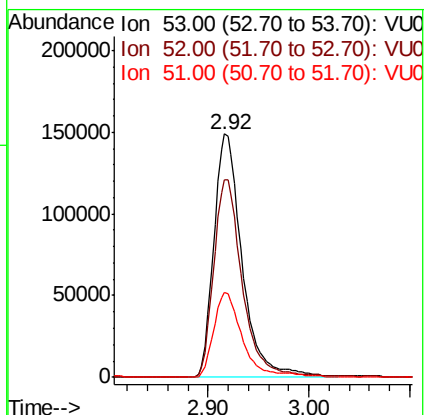
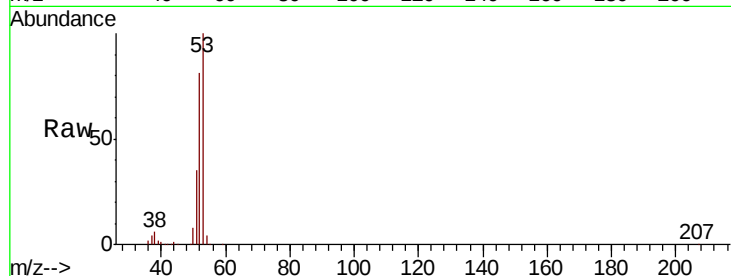
Tgt Ion: 53 Resp: 291062

Ion Ratio Lower Upper

53 100

52 82.5 65.7 98.5

51 35.9 27.9 41.9



#16

Acetone

Concen: 119.203 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034017.D

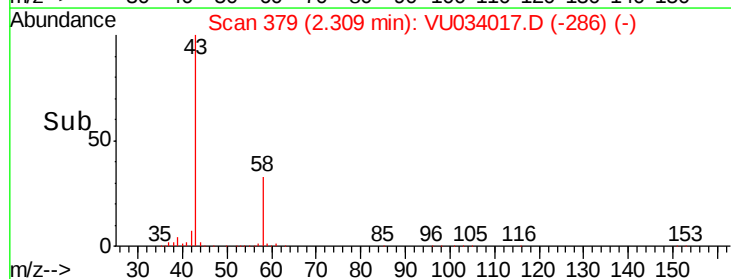
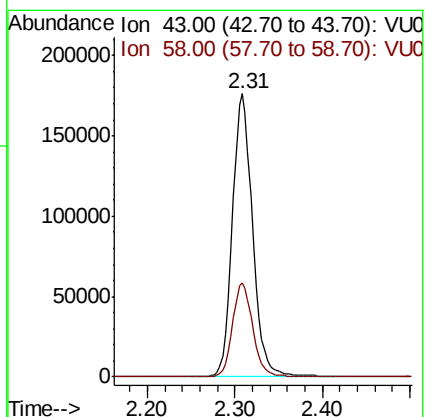
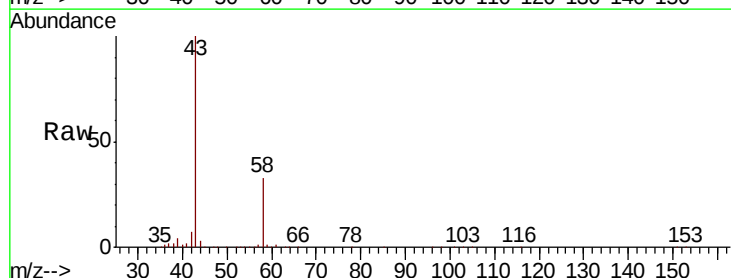
Acq: 28 Aug 2019 12:26

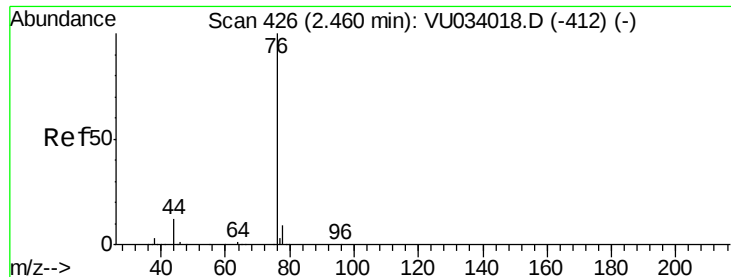
Tgt Ion: 43 Resp: 279293

Ion Ratio Lower Upper

43 100

58 33.4 26.8 40.2

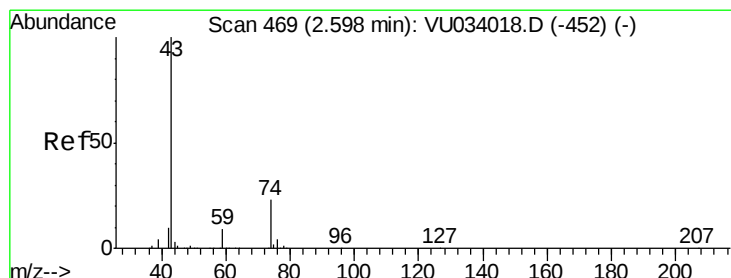
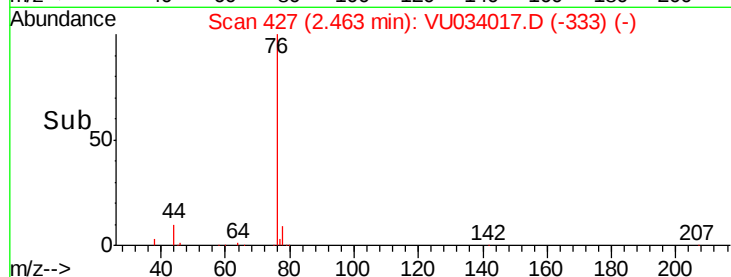
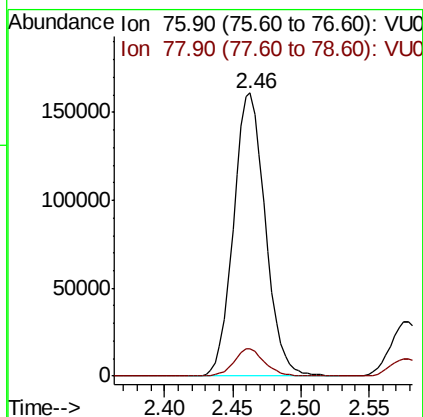
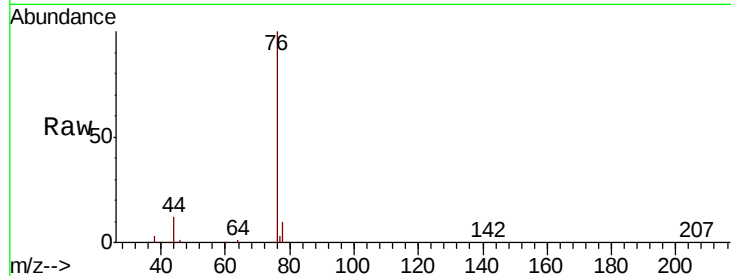




#17
Carbon Disulfide
Concen: 20.843 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

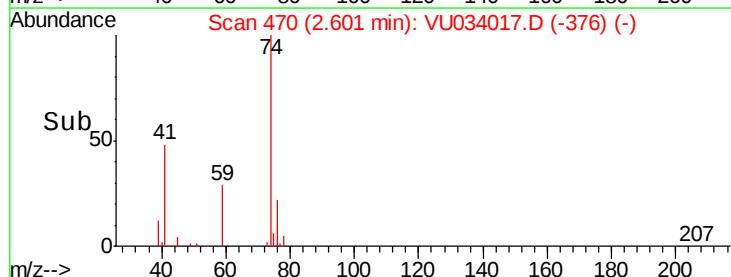
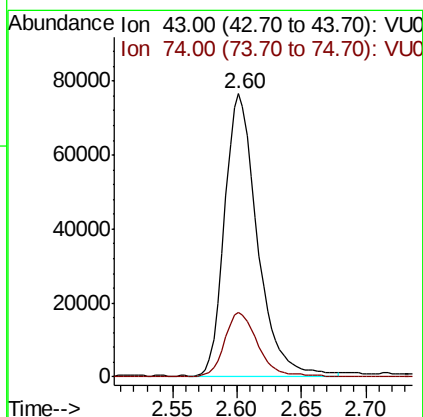
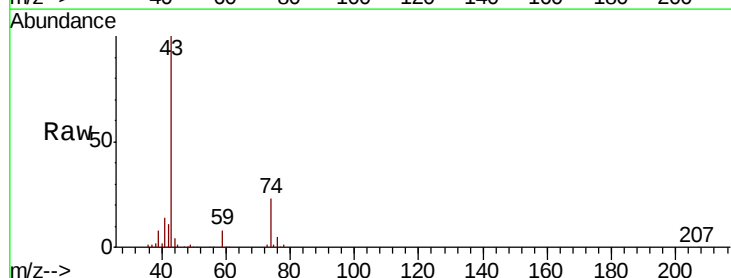
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

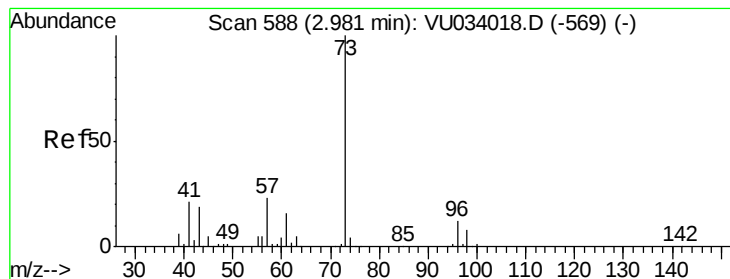
Tgt Ion: 76 Resp: 260470
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7



#18
Methyl Acetate
Concen: 23.351 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

Tgt Ion: 43 Resp: 134349
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8



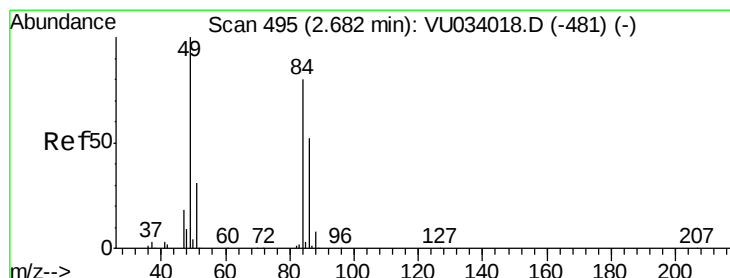
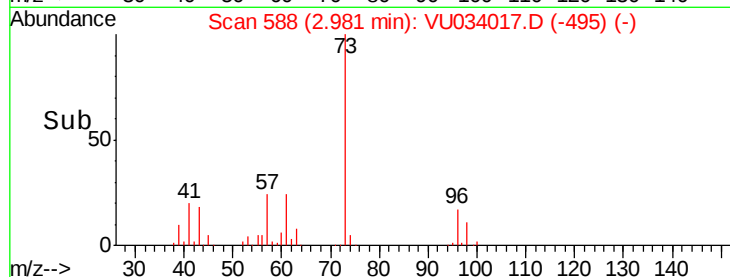
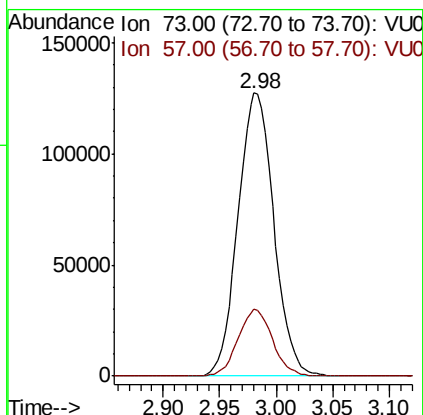
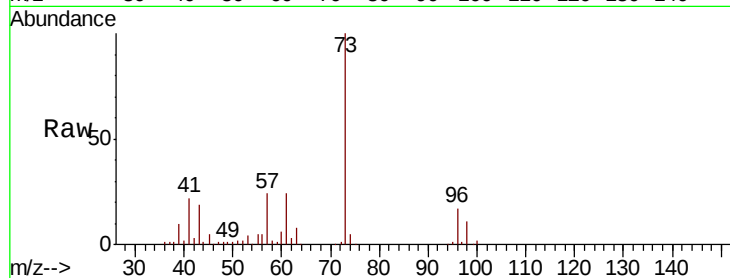


#19

Methyl tert-butyl Ether
 Concen: 21.978 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

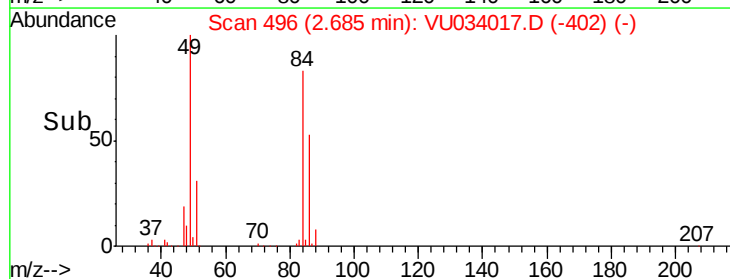
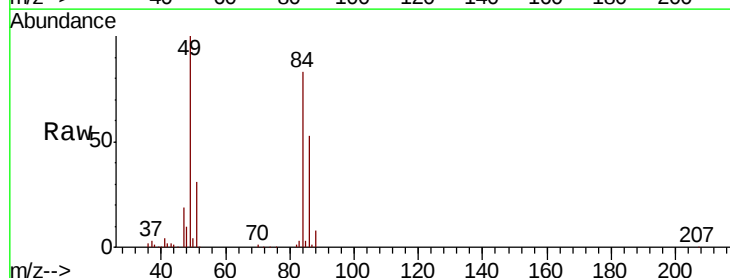
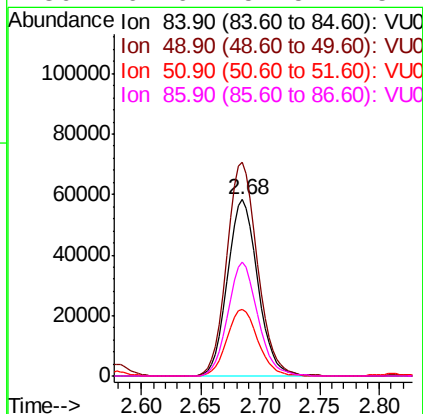
Tgt Ion: 73 Resp: 281196
 Ion Ratio Lower Upper
 73 100
 57 23.5 18.3 27.5

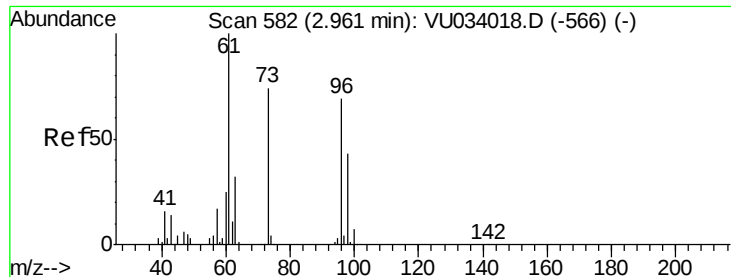


#20

Methylene Chloride
 Concen: 21.260 ug/l
 RT: 2.68 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Tgt Ion: 84 Resp: 103343
 Ion Ratio Lower Upper
 84 100
 49 121.2 100.2 150.4
 51 37.8 30.8 46.2
 86 64.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 21.298 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

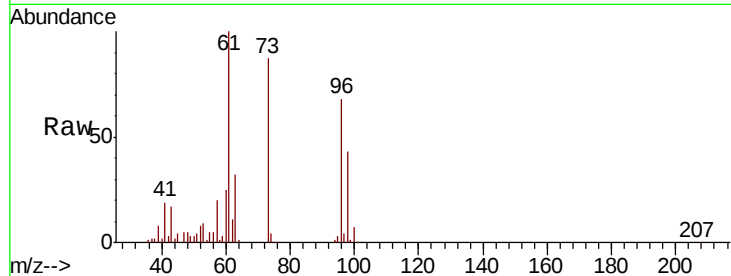
Tgt Ion: 96 Resp: 91921

Ion Ratio Lower Upper

96 100

61 147.3 115.5 173.3

98 63.0 50.1 75.1

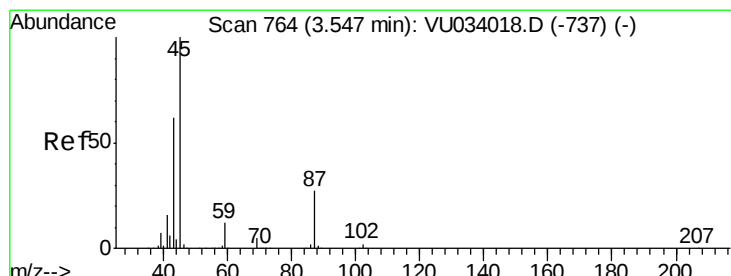
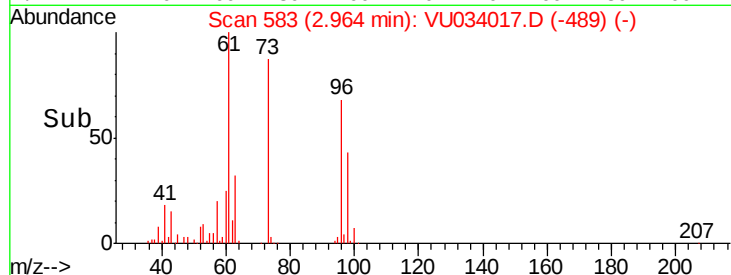
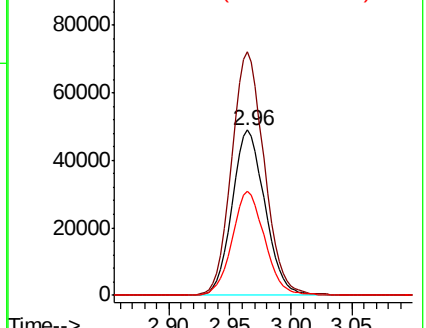


Abundance

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



#22

Diisopropyl ether

Concen: 23.736 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Tgt Ion: 45 Resp: 298947

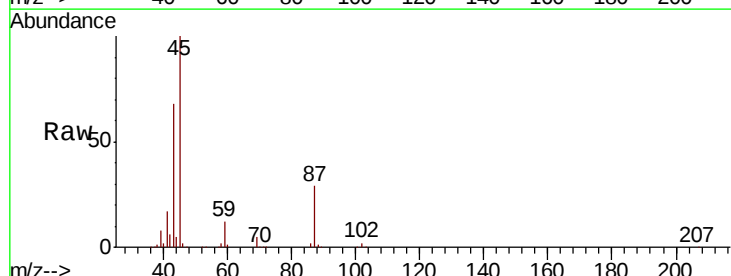
Ion Ratio Lower Upper

45 100

43 67.5 49.7 74.5

87 28.5 21.8 32.8

59 11.9 9.3 13.9



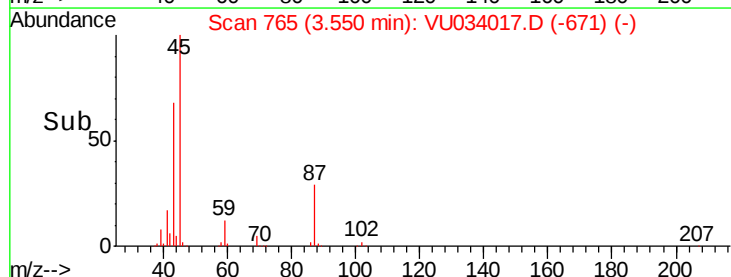
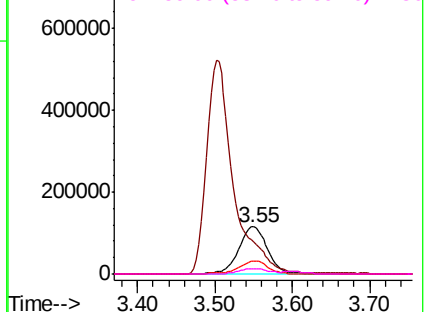
Abundance

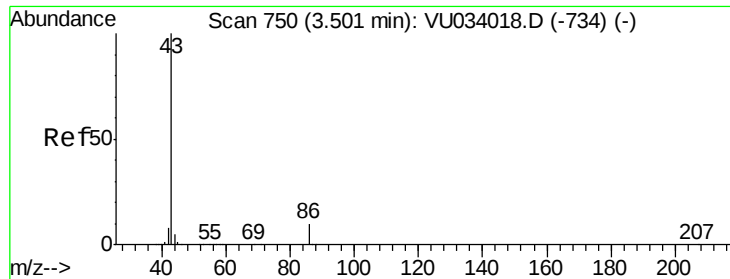
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 119.085 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

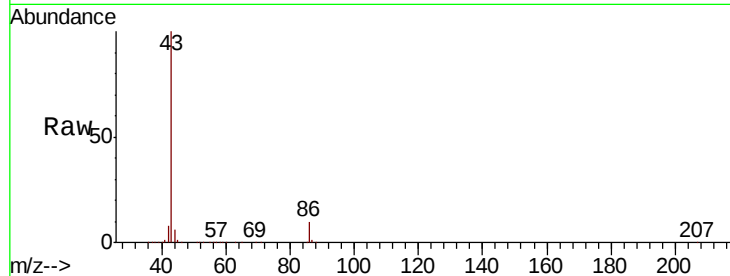
VSTDIC020

Tgt Ion: 43 Resp: 1278098

Ion Ratio Lower Upper

43 100

86 10.3 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-734) (-)

Ion 86.00 (85.70 to 86.70): VU034018.D (-734) (-)

3.50

500000

400000

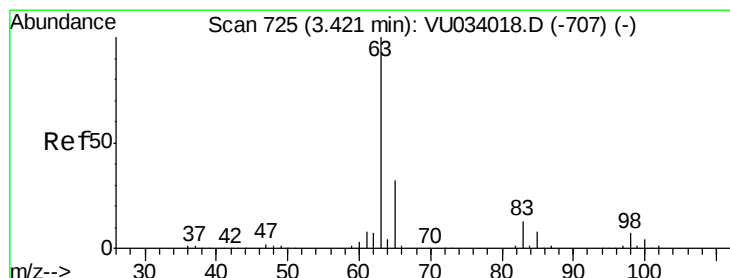
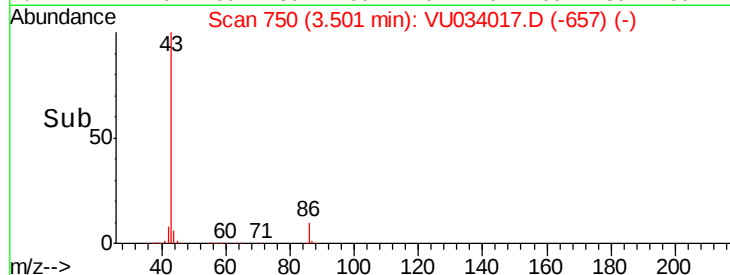
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.003 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

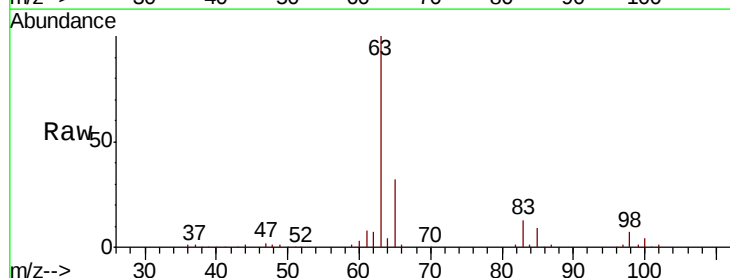
Tgt Ion: 63 Resp: 171134

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 4.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-707) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-707) (-)

Ion 99.90 (99.60 to 100.60): VU034018.D (-707) (-)

3.42

100000

80000

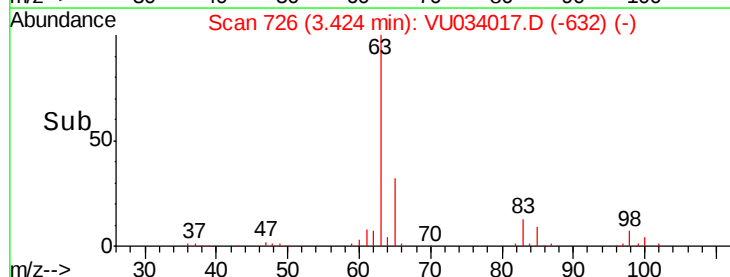
60000

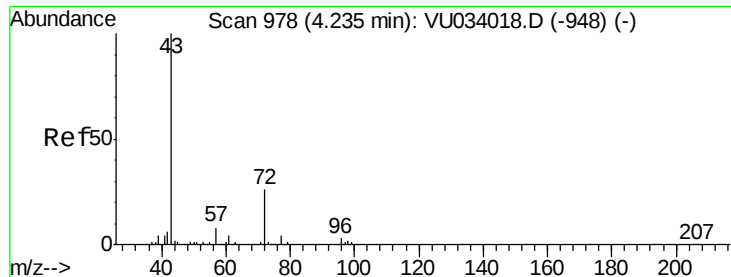
40000

20000

0

Time-->





#25

2-Butanone

Concen: 118.343 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

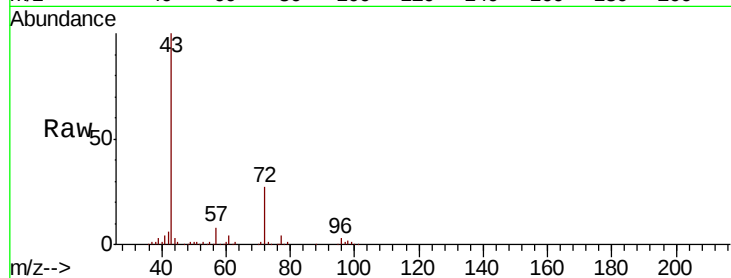
VSTDIC020

Tgt Ion: 43 Resp: 397978

Ion Ratio Lower Upper

43 100

72 26.5 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VU034017.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VU034017.D (-885) (-)

4.24

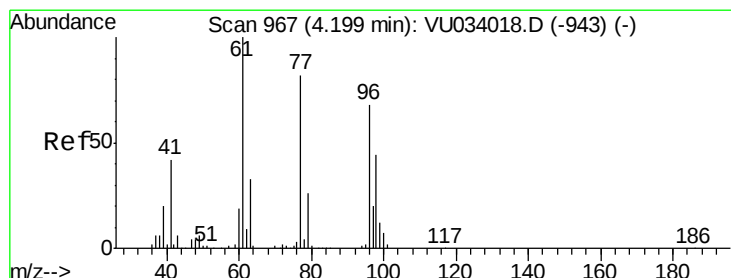
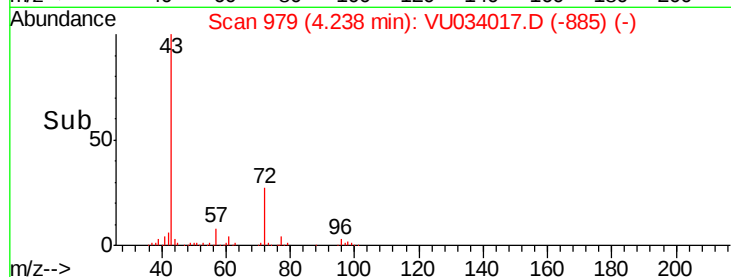
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 21.295 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034017.D

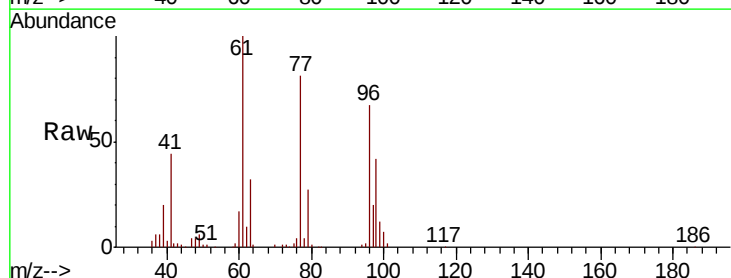
Acq: 28 Aug 2019 12:26

Tgt Ion: 77 Resp: 139277

Ion Ratio Lower Upper

77 100

97 23.6 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VU034017.D (-874) (-)

Ion 96.90 (96.60 to 97.60): VU034017.D (-874) (-)

4.20

60000

50000

40000

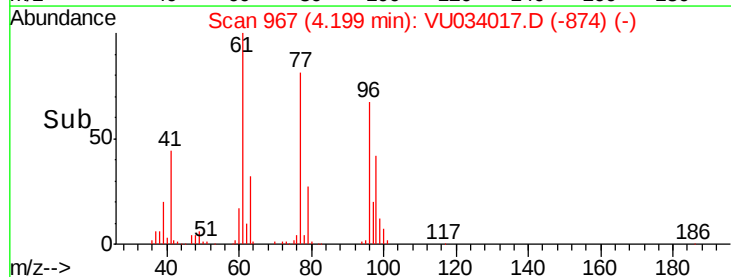
30000

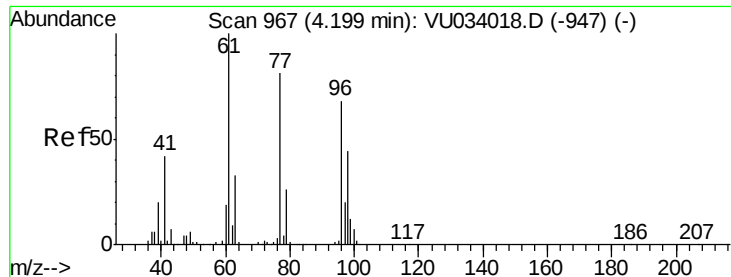
20000

10000

0

Time-->



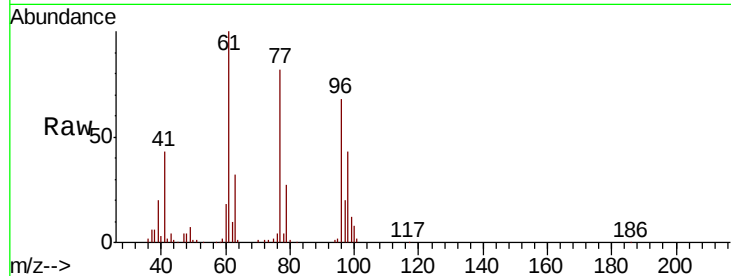


#27

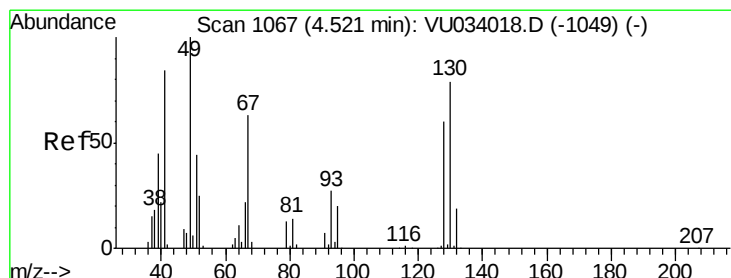
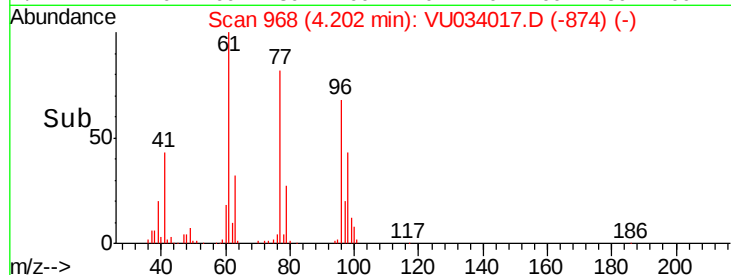
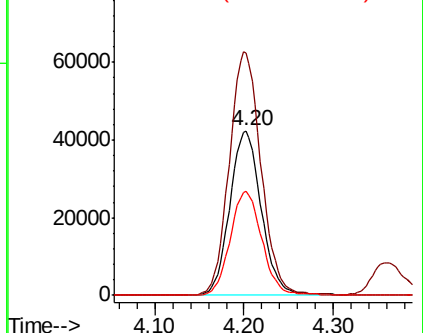
cis-1,2-Dichloroethene
 Concen: 21.409 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 103622
 Ion Ratio Lower Upper
 96 100
 61 148.5 0.0 303.0
 98 63.2 0.0 129.2



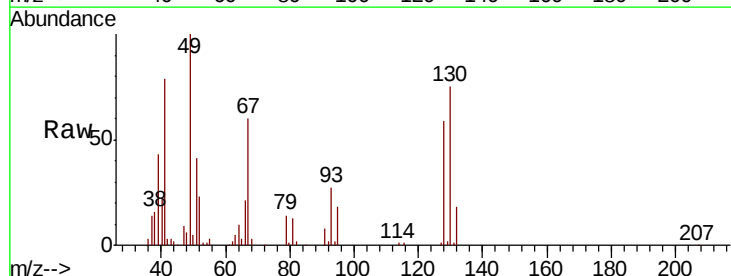
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



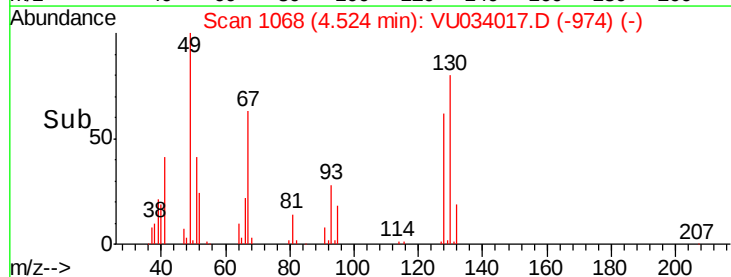
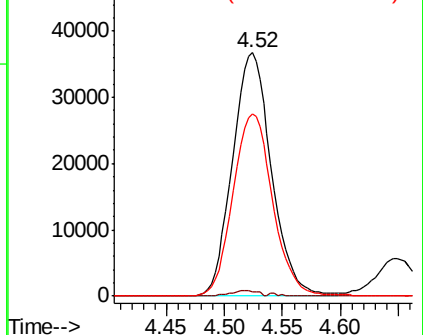
#28

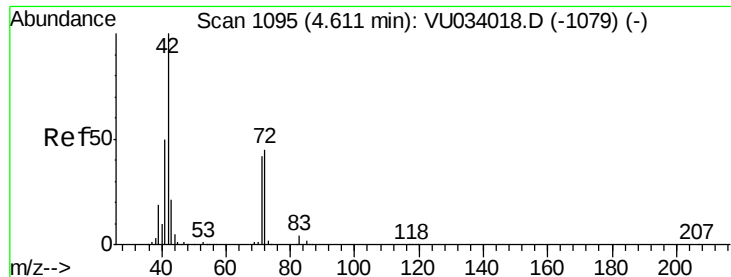
Bromochloromethane
 Concen: 23.719 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Tgt Ion: 49 Resp: 85691
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 3.6
 130 76.2 62.8 94.2



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: 119.314 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

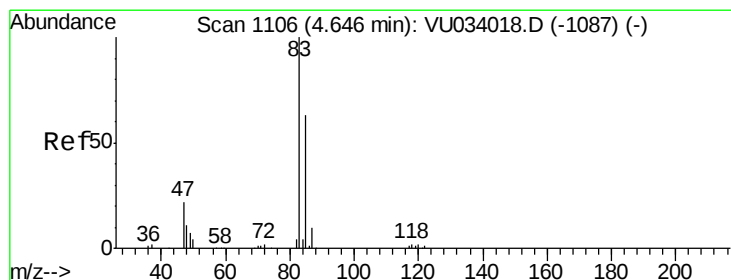
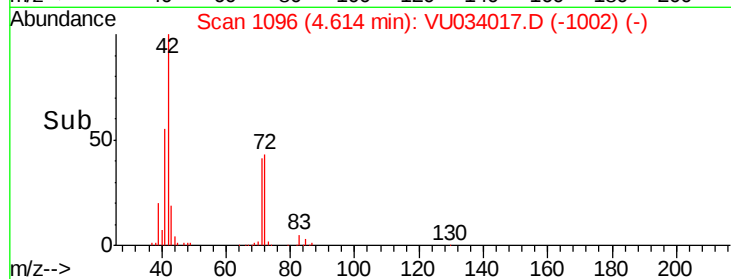
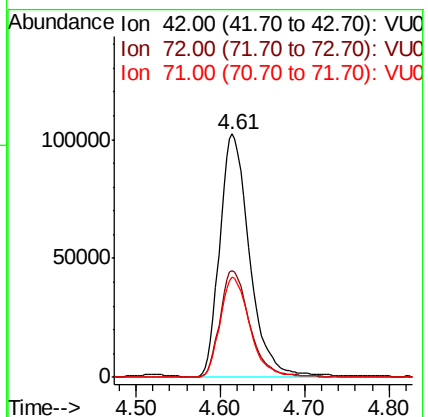
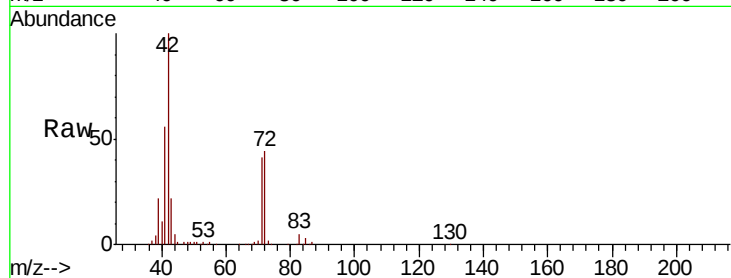
Tgt Ion: 42 Resp: 249971

Ion Ratio Lower Upper

42 100

72 44.2 35.8 53.6

71 41.6 34.0 51.0



#30

Chloroform

Concen: 21.404 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034017.D

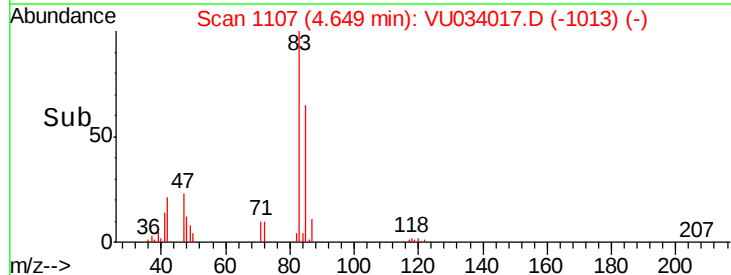
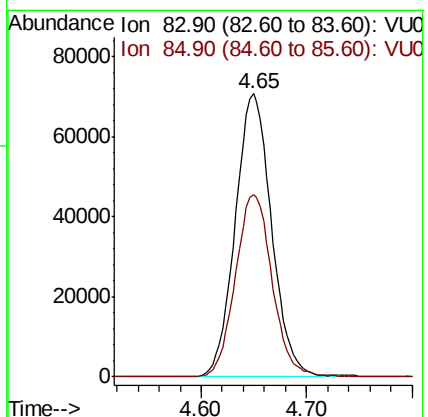
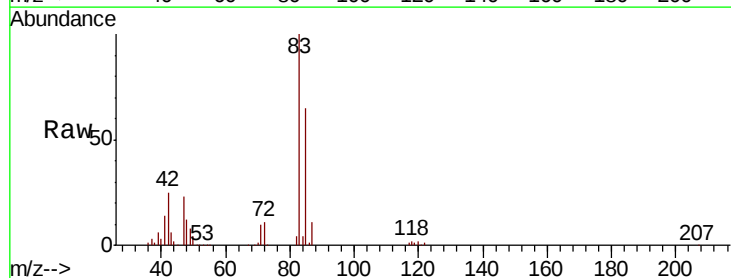
Acq: 28 Aug 2019 12:26

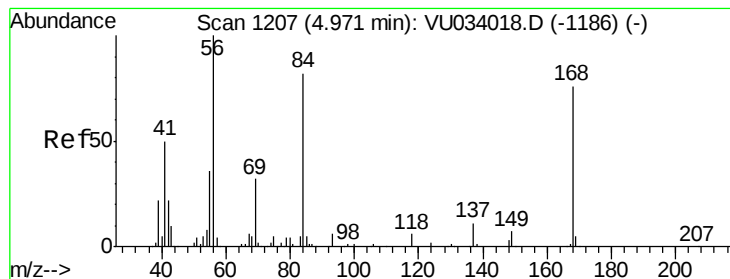
Tgt Ion: 83 Resp: 169286

Ion Ratio Lower Upper

83 100

85 64.6 50.7 76.1





#31

Cyclohexane

Concen: 22.149 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

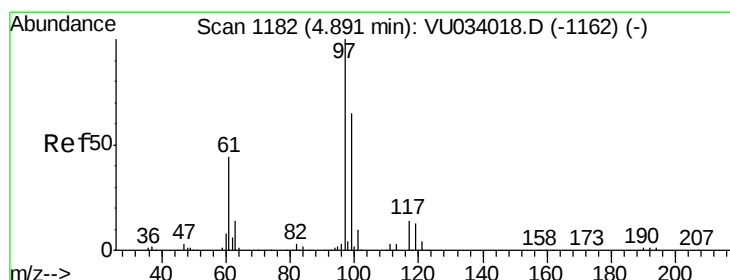
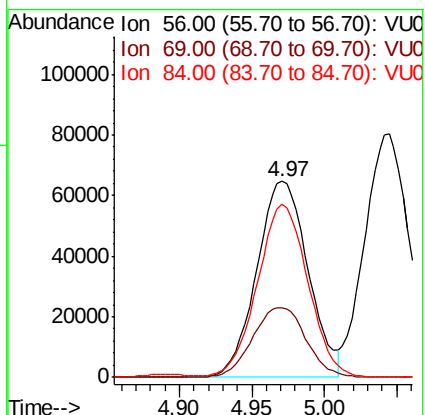
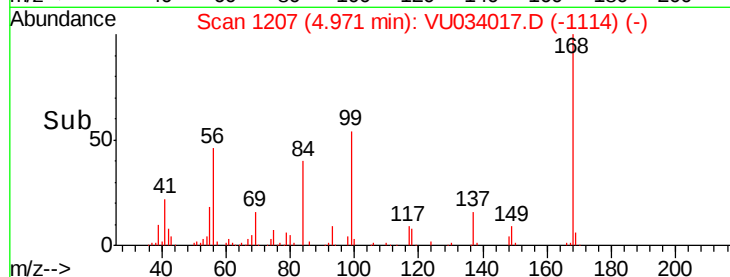
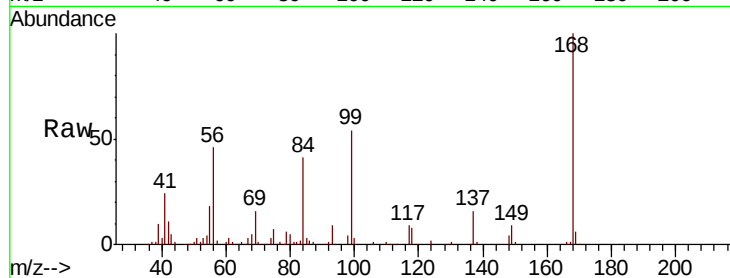
Tgt Ion: 56 Resp: 159384

Ion Ratio Lower Upper

56 100

69 35.2 25.4 38.0

84 87.5 65.8 98.8



#32

1,1,1-Trichloroethane

Concen: 21.117 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

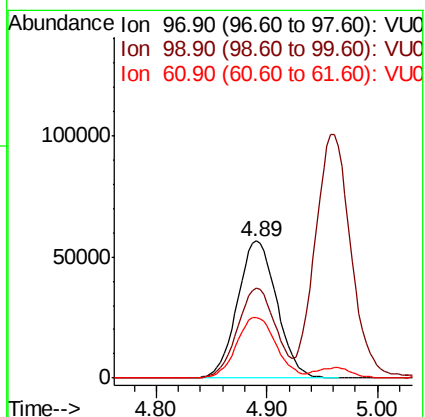
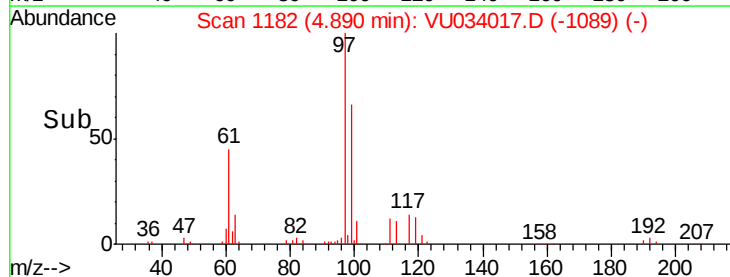
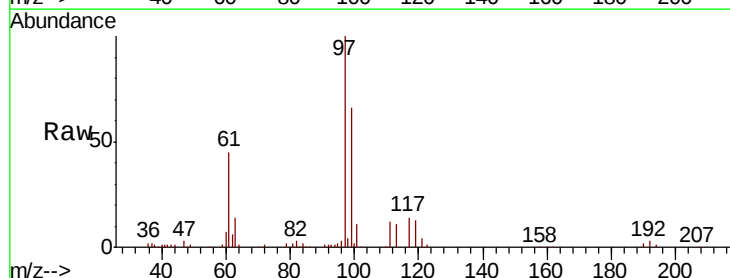
Tgt Ion: 97 Resp: 139825

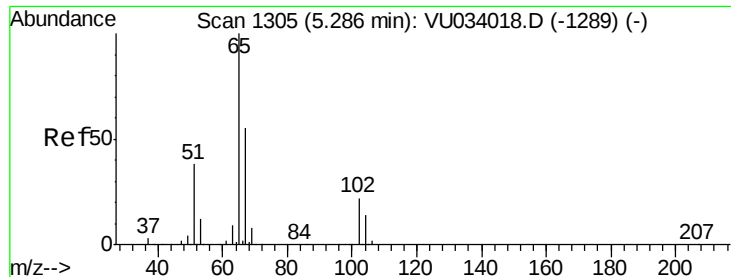
Ion Ratio Lower Upper

97 100

99 63.6 51.8 77.6

61 44.7 35.3 52.9

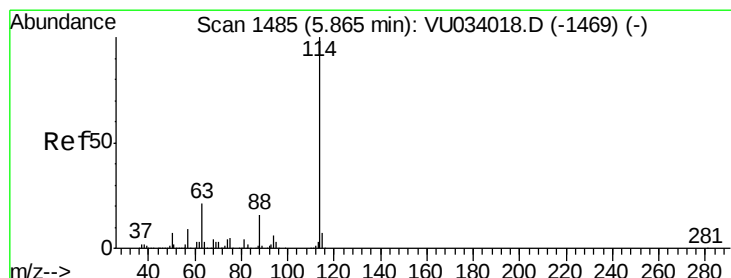
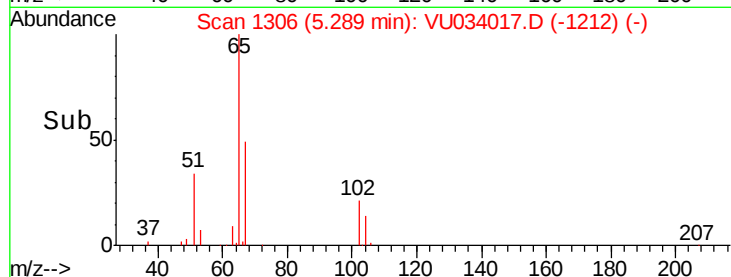
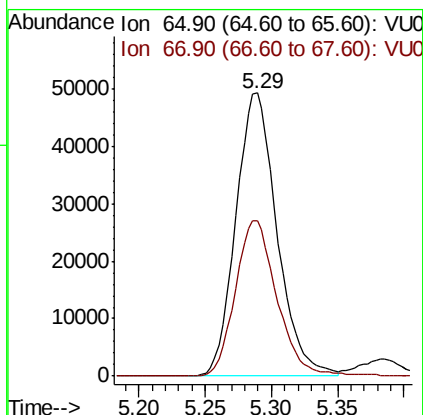
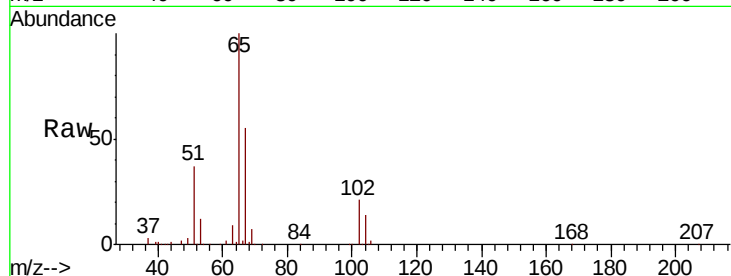




#33
 1,2-Dichloroethane-d4
 Concen: 21.965 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

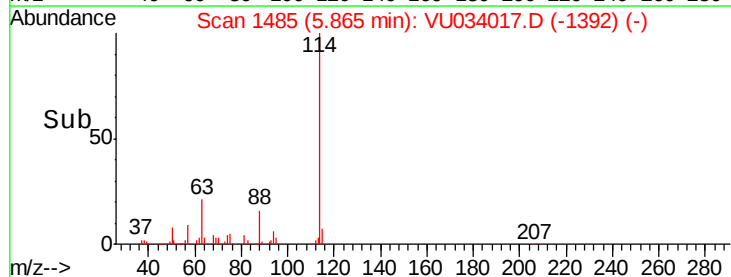
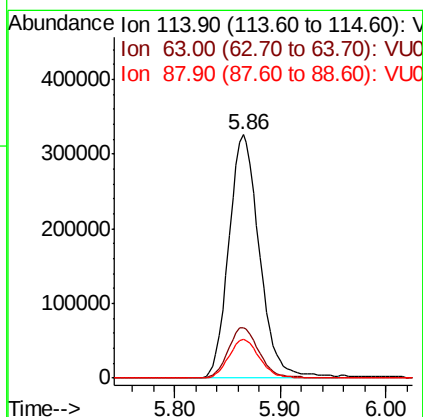
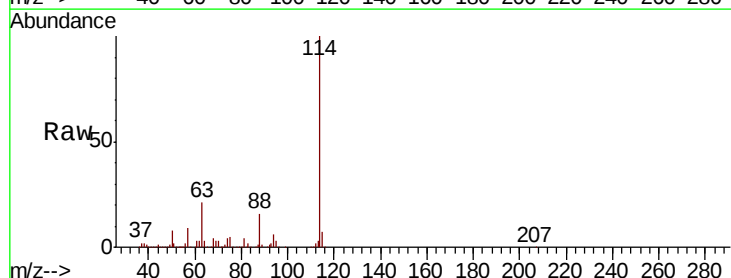
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

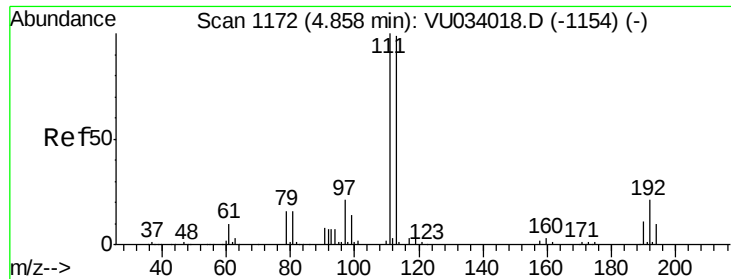
Tgt Ion: 65 Resp: 106301
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Tgt Ion: 114 Resp: 654859
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.0
 88 16.0 0.0 32.0

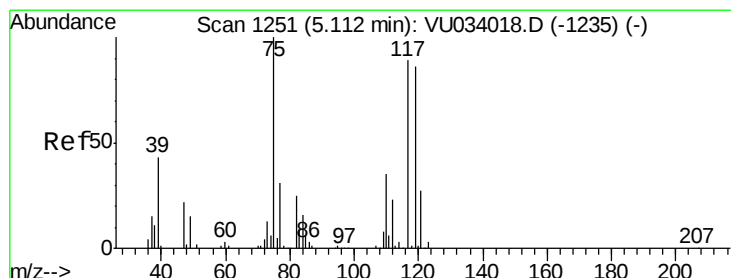
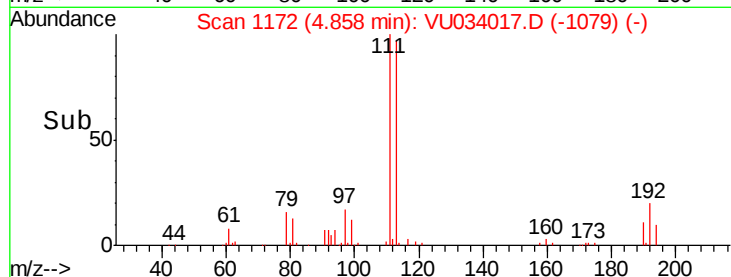
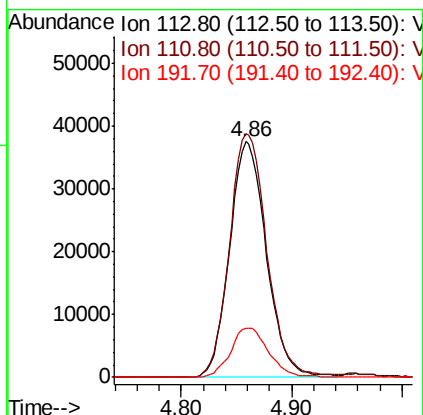
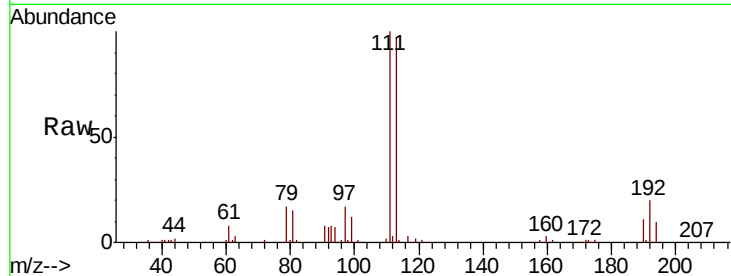




#35
 Dibromofluoromethane
 Concen: 19.443 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

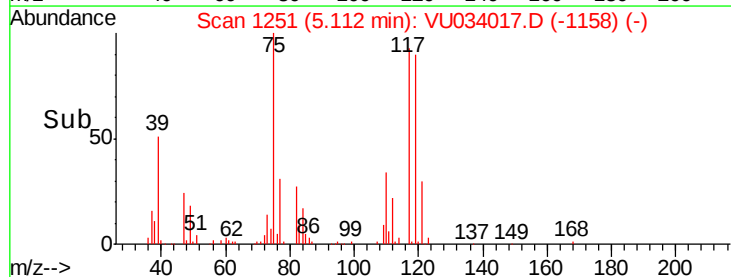
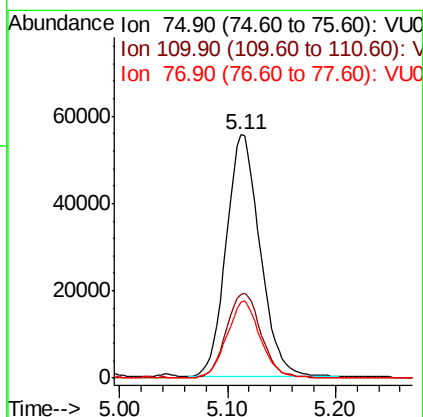
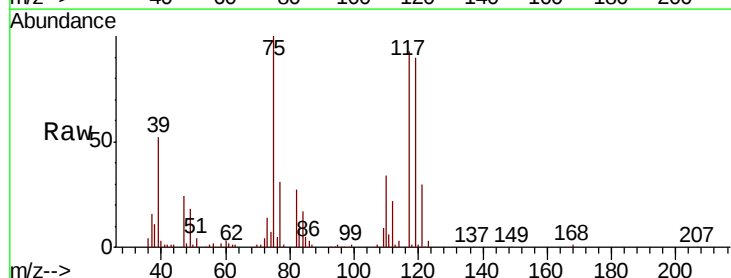
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

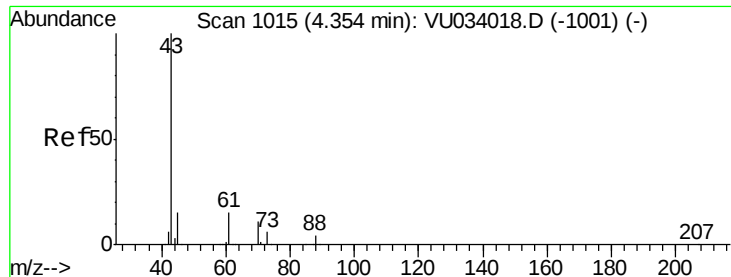
Tgt Ion: 113 Resp: 86818
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.7 122.5
 192 21.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 19.708 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Tgt Ion: 75 Resp: 120897
 Ion Ratio Lower Upper
 75 100
 110 36.2 17.8 53.5
 77 31.1 25.0 37.4

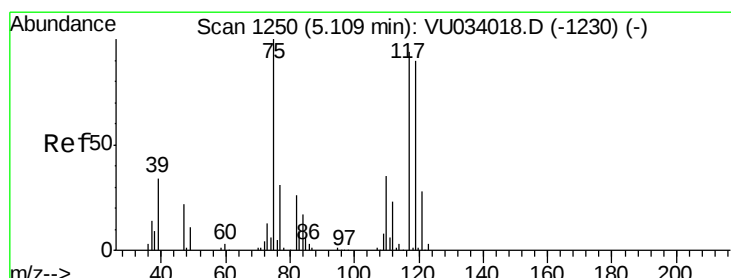
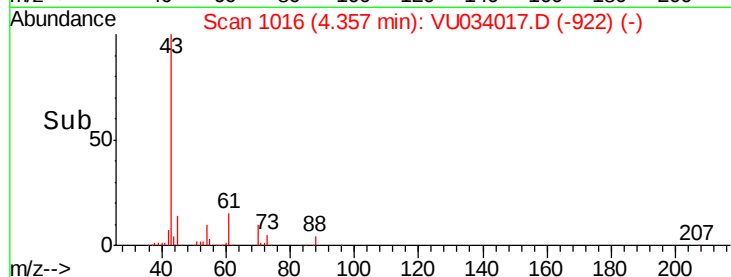
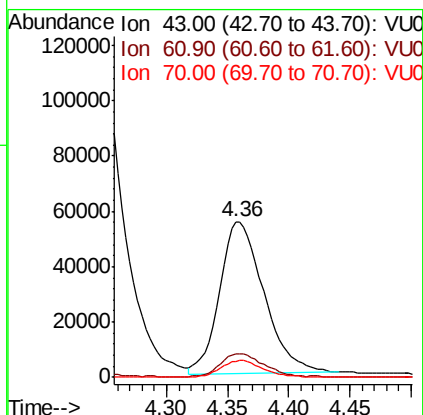
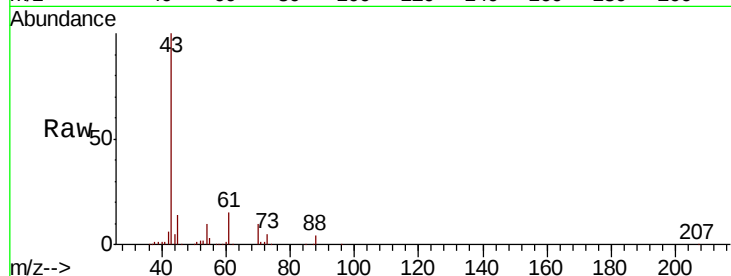




#37
Ethyl Acetate
Concen: 22.227 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

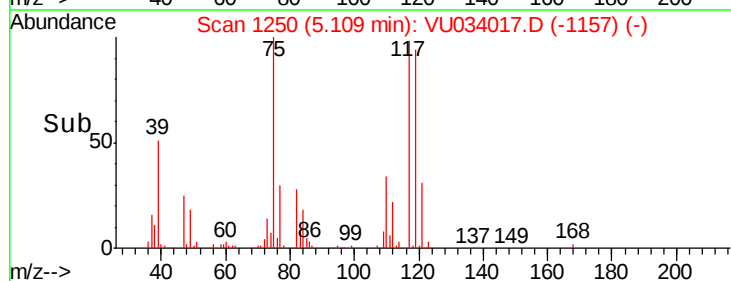
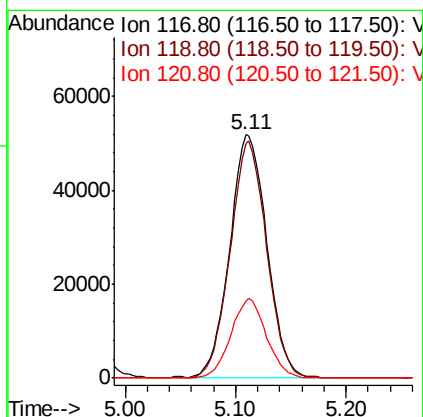
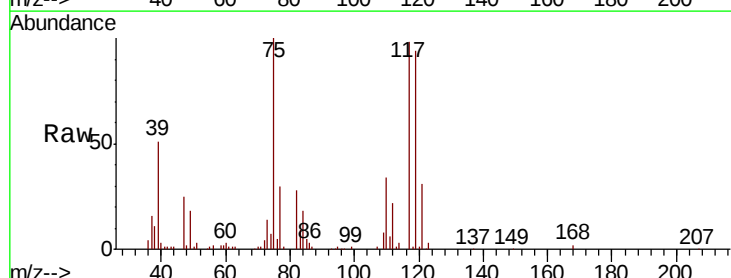
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

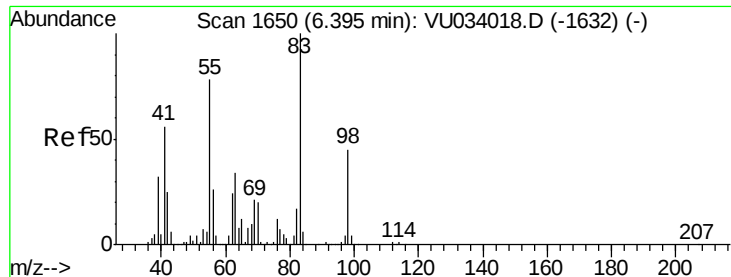
Tgt Ion: 43 Resp: 139024
Ion Ratio Lower Upper
43 100
61 14.7 11.5 17.3
70 10.8 8.6 12.8



#38
Carbon Tetrachloride
Concen: 19.463 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

Tgt Ion: 117 Resp: 120368
Ion Ratio Lower Upper
117 100
119 96.7 77.0 115.4
121 31.6 23.9 35.9

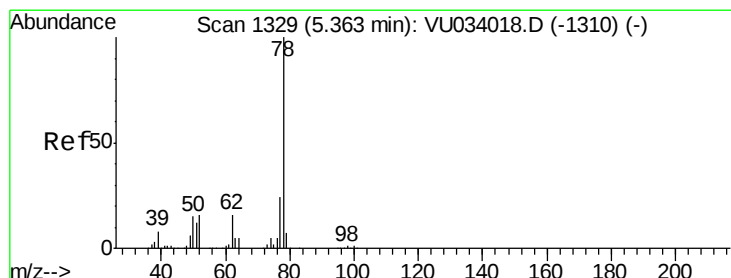
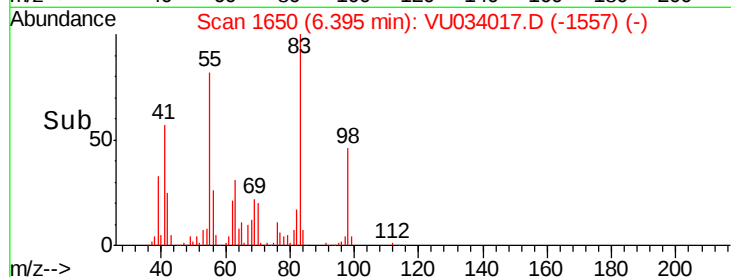
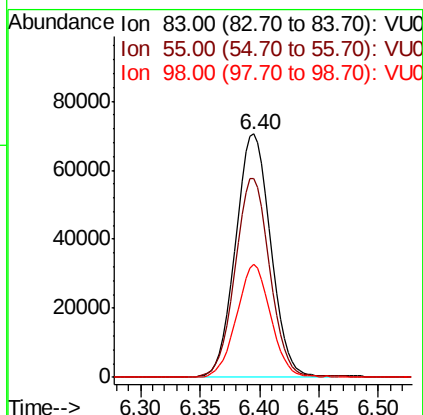
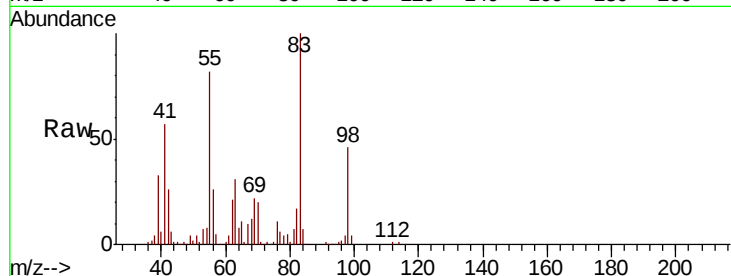




#39
Methylcyclohexane
Concen: 20.006 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

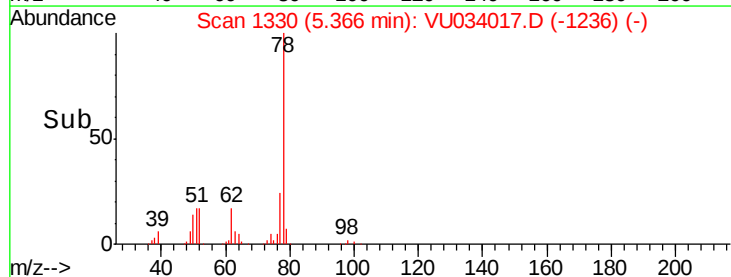
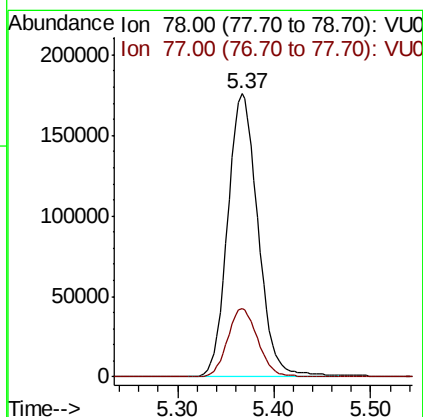
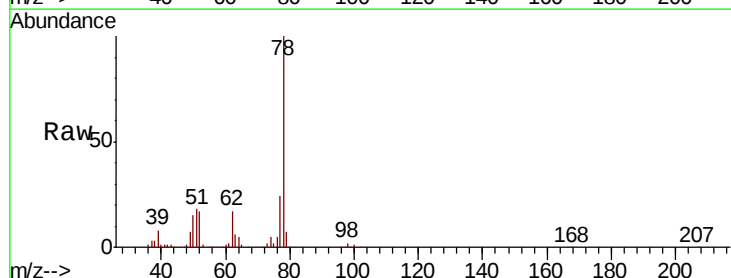
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

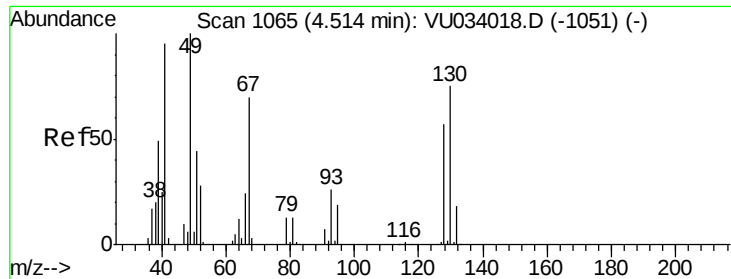
Tgt Ion: 83 Resp: 145035
Ion Ratio Lower Upper
83 100
55 81.8 62.3 93.5
98 46.3 36.2 54.2



#40
Benzene
Concen: 20.966 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

Tgt Ion: 78 Resp: 382837
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6

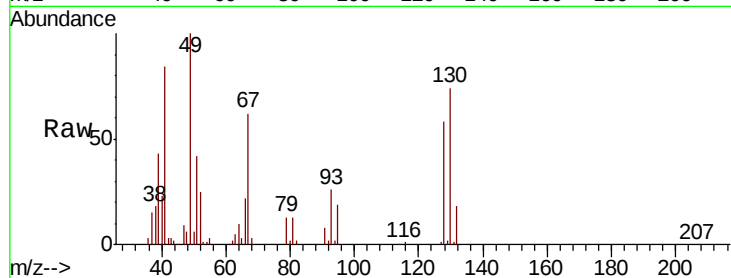




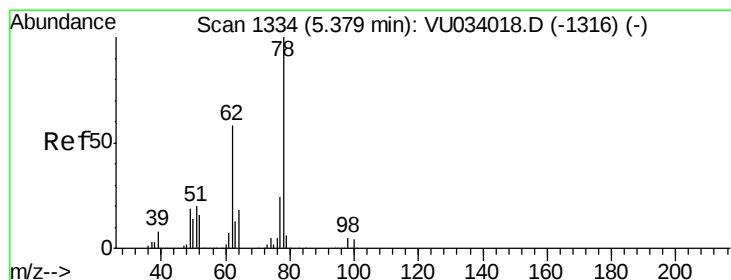
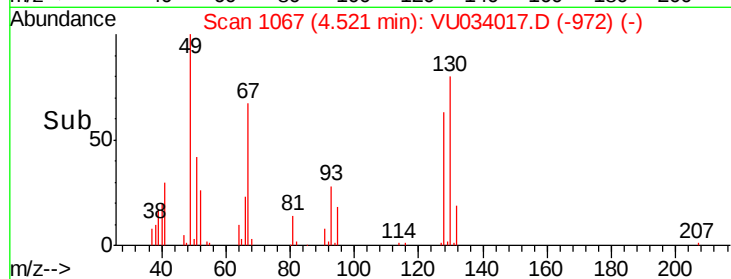
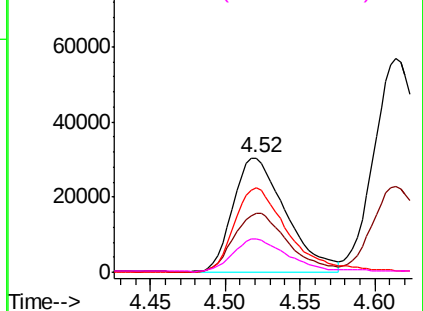
#41
Methacrylonitrile
Concen: 22.876 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	74518
Ion	Ratio	Lower	Upper
41	100		
39	52.4	42.1	63.1
67	76.5	61.0	91.4
52	29.8	23.3	34.9

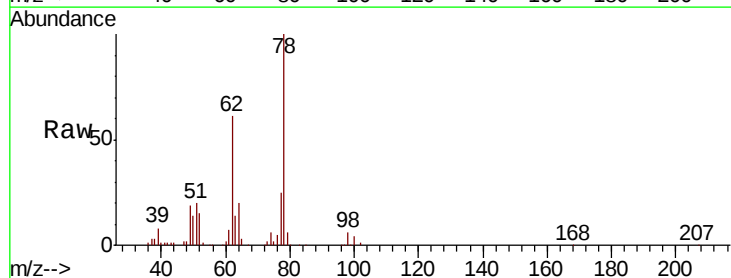


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

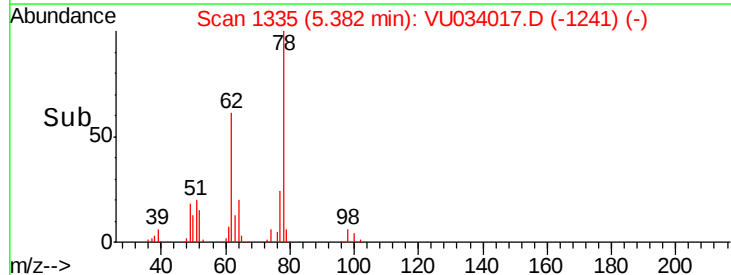
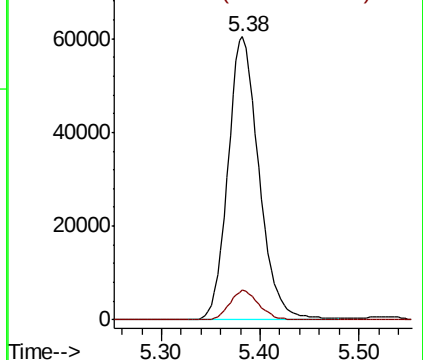


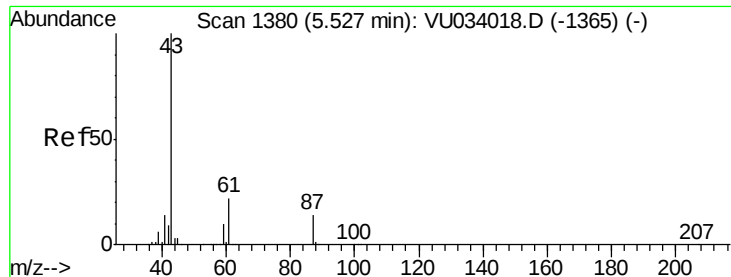
#42
1,2-Dichloroethane
Concen: 21.405 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

Tgt Ion:	62	Resp:	132655
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 22.315 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

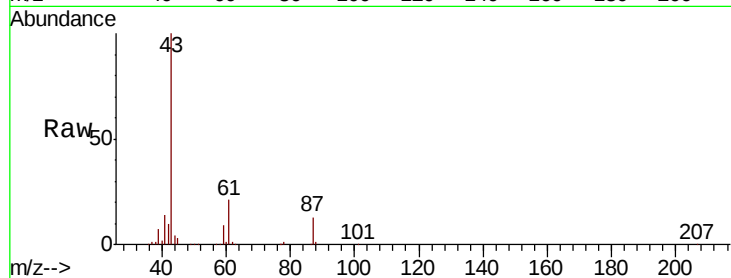
Tgt Ion: 43 Resp: 214611

Ion Ratio Lower Upper

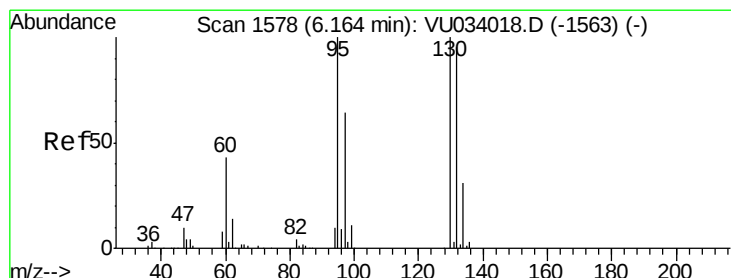
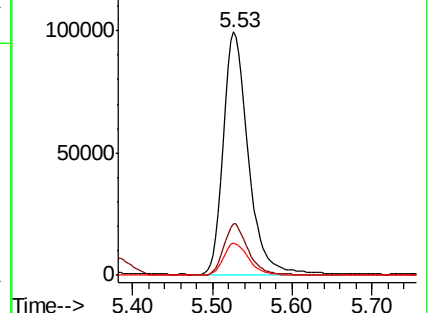
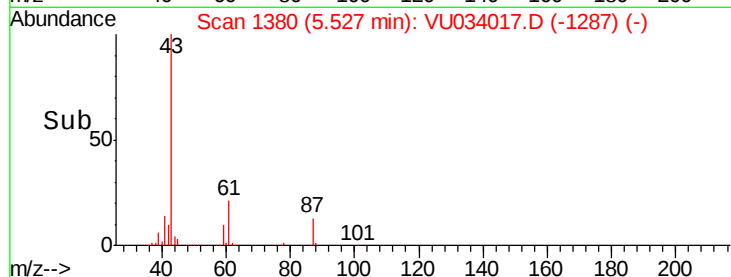
43 100

61 20.8 17.2 25.8

87 13.4 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VU034017.D (-1287) (-)



#44

Trichloroethene

Concen: 19.539 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034017.D

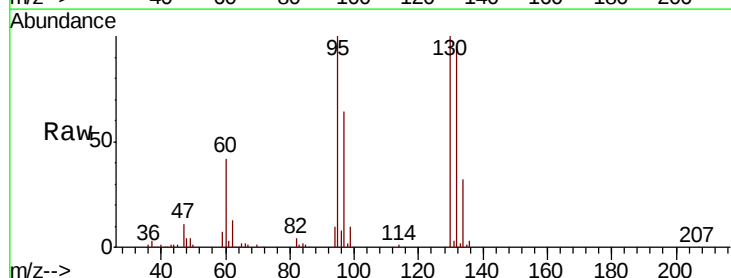
Acq: 28 Aug 2019 12:26

Tgt Ion: 130 Resp: 100111

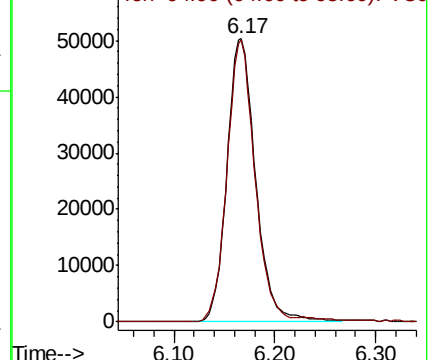
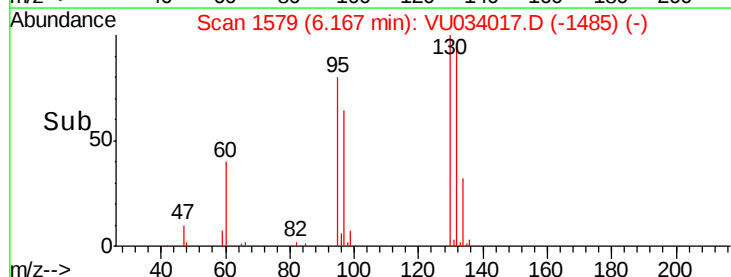
Ion Ratio Lower Upper

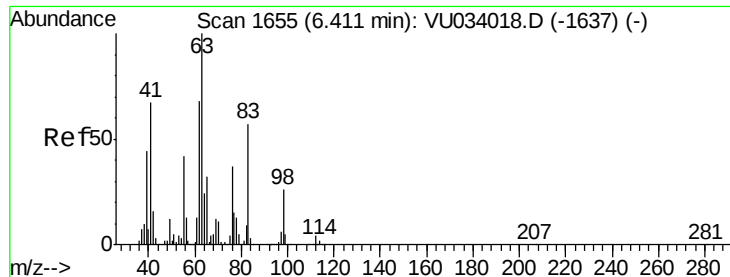
130 100

95 99.6 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): VU034017.D (-1485) (-)





#45

1,2-Dichloropropane

Concen: 21.364 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

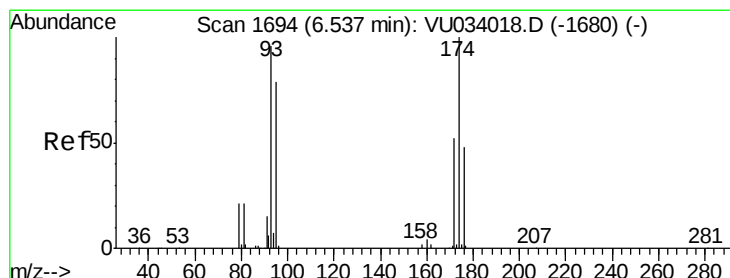
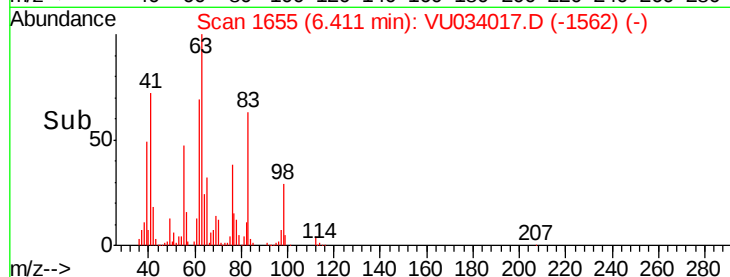
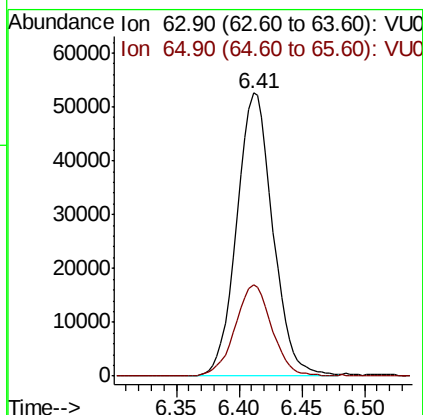
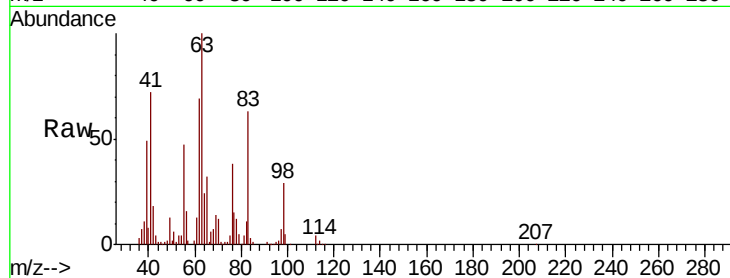
VSTDIC020

Tgt Ion: 63 Resp: 105183

Ion Ratio Lower Upper

63 100

65 32.3 25.4 38.2



#46

Dibromomethane

Concen: 20.223 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

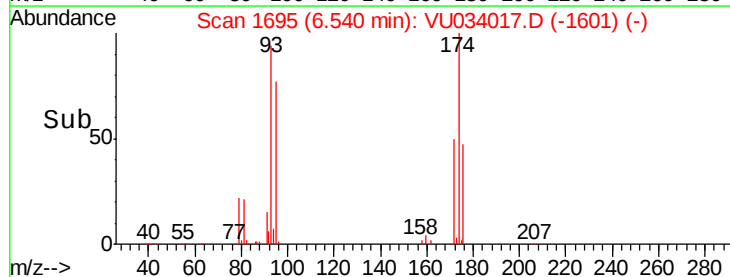
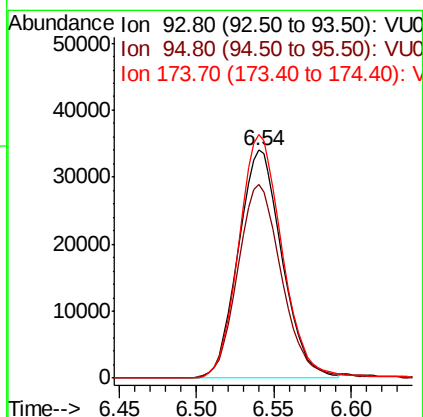
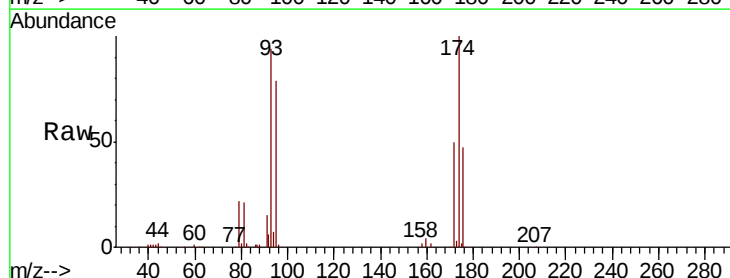
Tgt Ion: 93 Resp: 66899

Ion Ratio Lower Upper

93 100

95 85.4 66.7 100.1

174 105.2 84.9 127.3





#47

Bromodichloromethane

Concen: 20.742 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

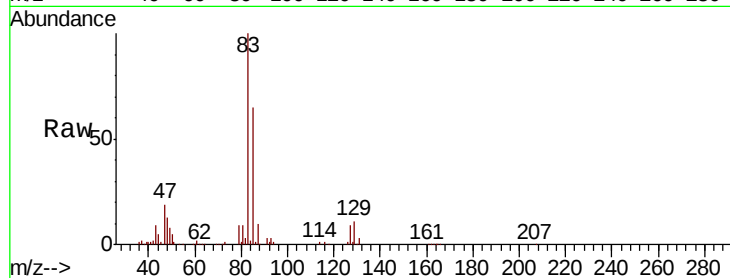
Tgt Ion: 83 Resp: 131140

Ion Ratio Lower Upper

83 100

85 64.8 51.2 76.8

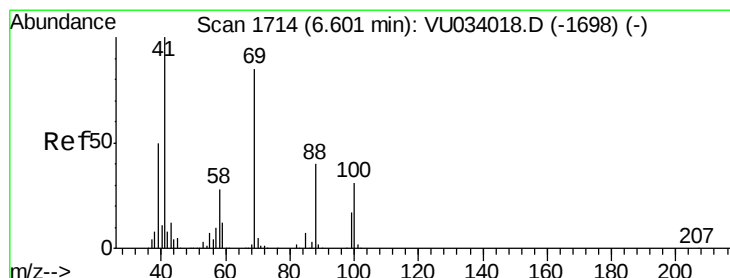
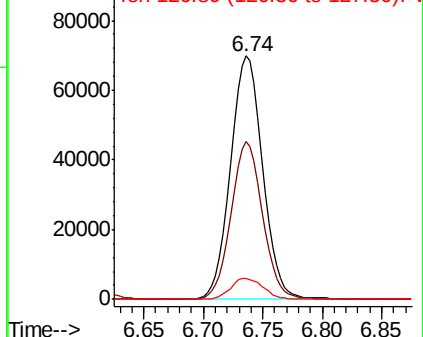
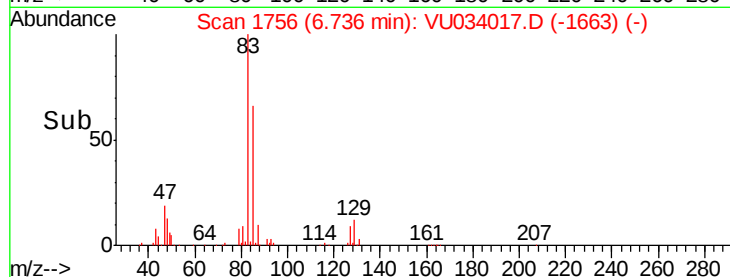
127 8.7 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034017.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034017.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034017.D (-1663) (-)



#48

Methyl methacrylate

Concen: 21.863 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

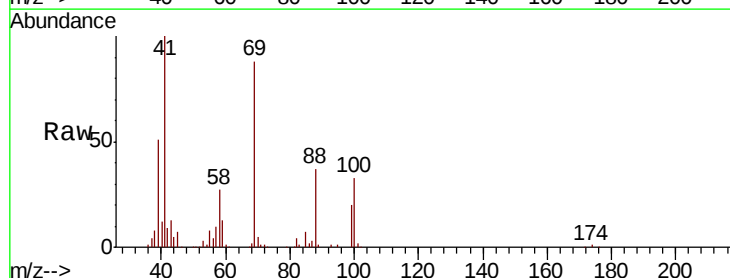
Tgt Ion: 41 Resp: 100971

Ion Ratio Lower Upper

41 100

69 88.2 69.5 104.3

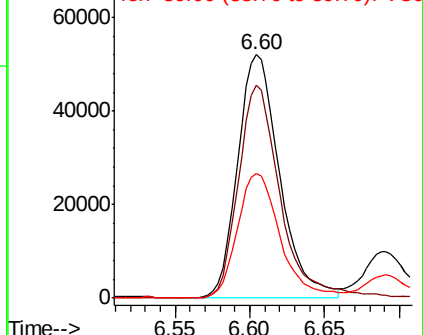
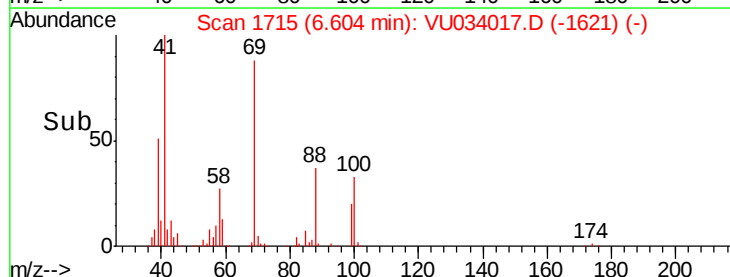
39 53.0 40.3 60.5



Abundance Ion 41.00 (40.70 to 41.70): VU034017.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034017.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034017.D (-1621) (-)

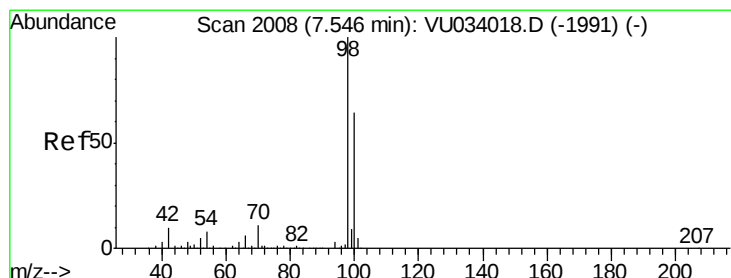
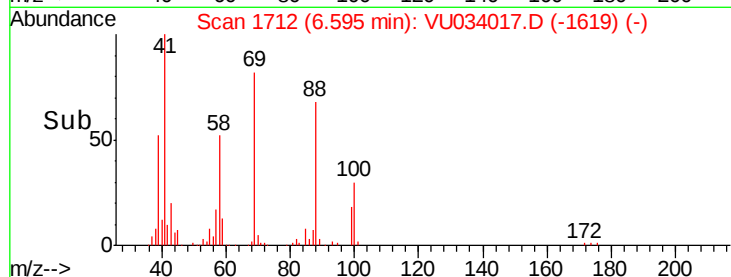
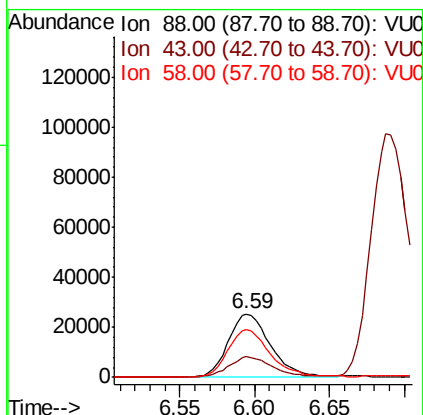
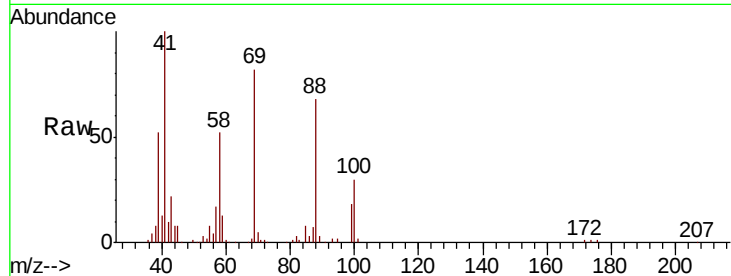




#49
 1,4-Dioxane
 Concen: 408.390 ug/l
 RT: 6.59 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

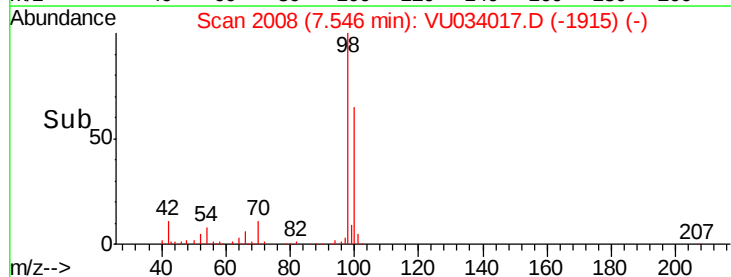
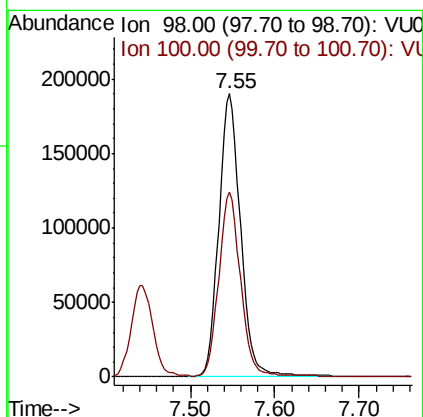
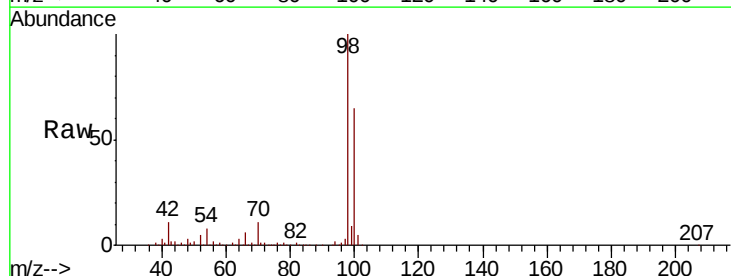
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

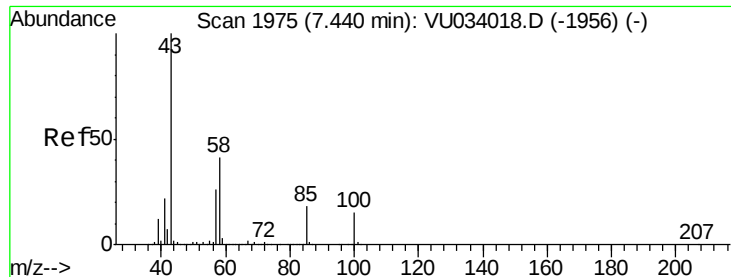
Tgt Ion: 88 Resp: 49863
 Ion Ratio Lower Upper
 88 100
 43 30.4 24.8 37.2
 58 76.2 59.3 88.9



#50
 Toluene-d8
 Concen: 20.623 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Tgt Ion: 98 Resp: 342476
 Ion Ratio Lower Upper
 98 100
 100 63.9 50.3 75.5

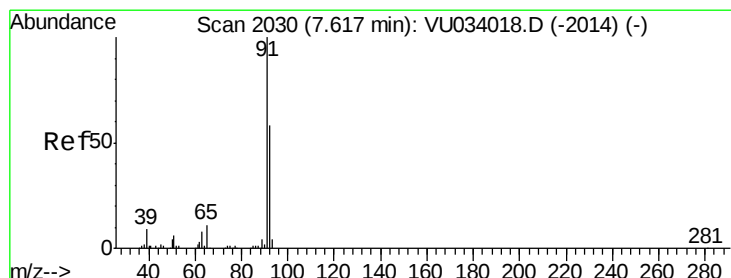
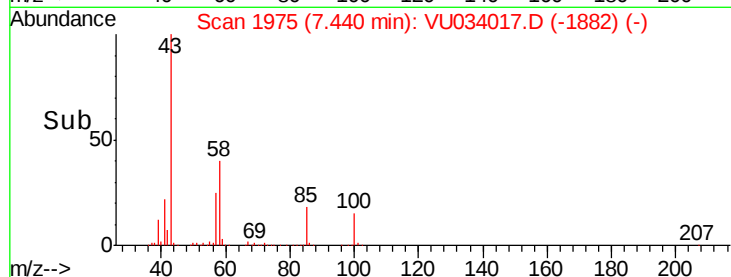
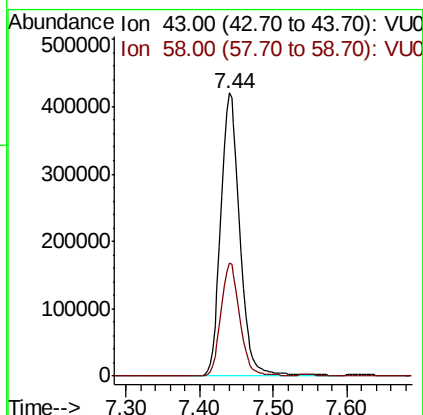
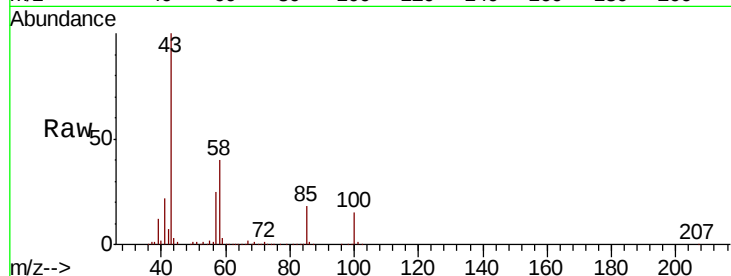




#51
 4-Methyl-2-Pentanone
 Concen: 113.845 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

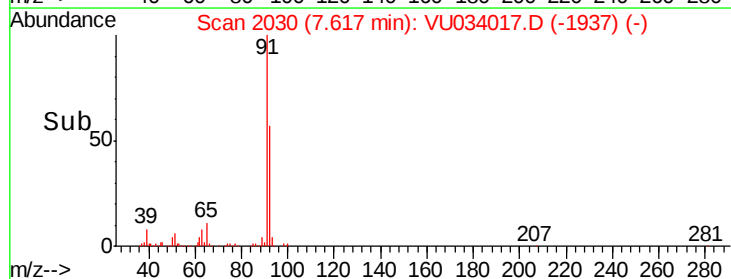
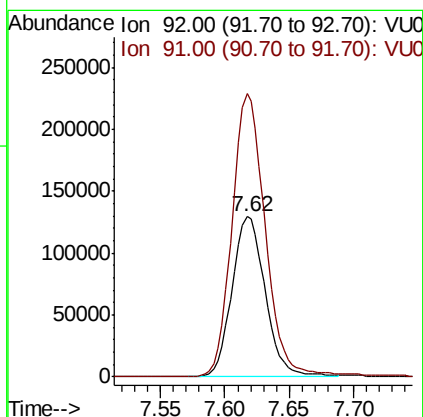
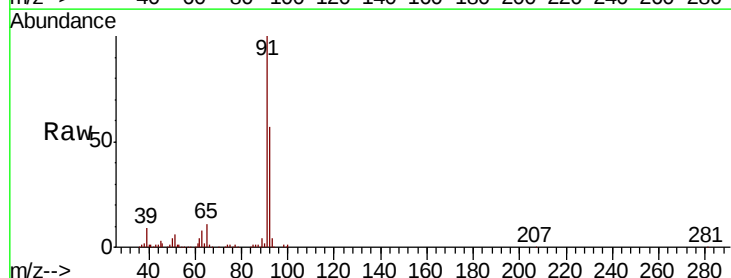
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

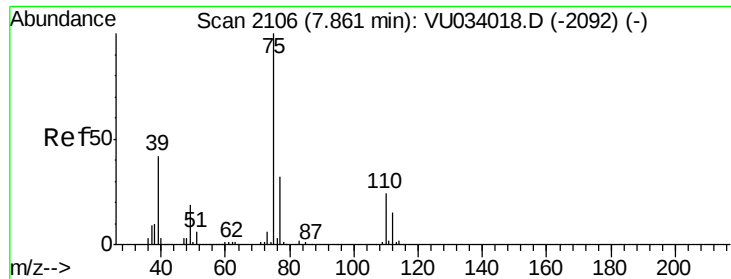
Tgt Ion: 43 Resp: 758039
 Ion Ratio Lower Upper
 43 100
 58 39.4 32.2 48.4



#52
 Toluene
 Concen: 20.223 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Tgt Ion: 92 Resp: 232517
 Ion Ratio Lower Upper
 92 100
 91 178.1 138.3 207.5

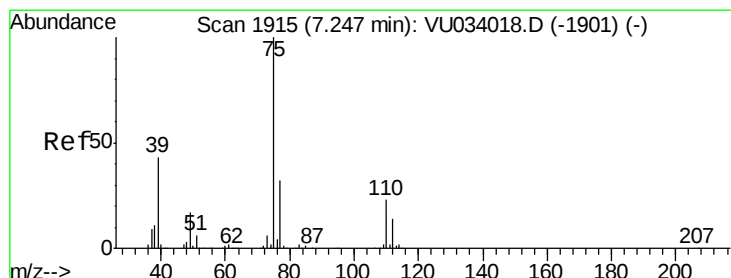
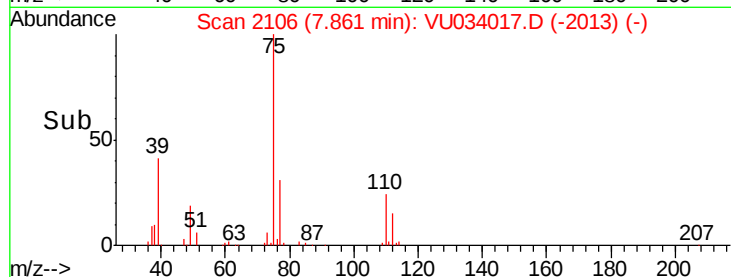
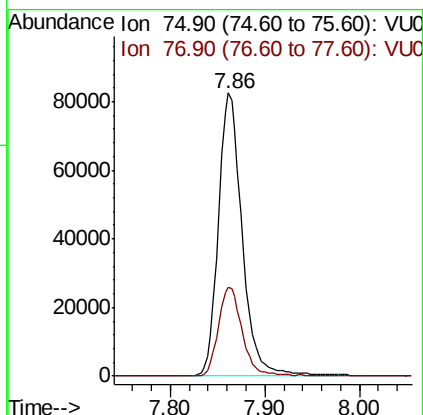
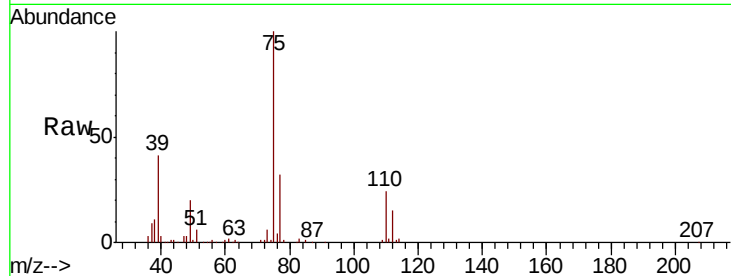




#53
t-1,3-Dichloropropene
Concen: 20.485 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. -0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

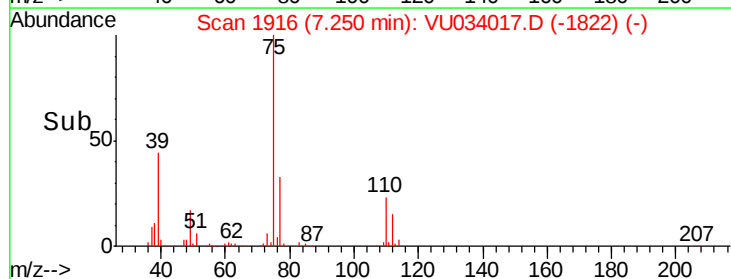
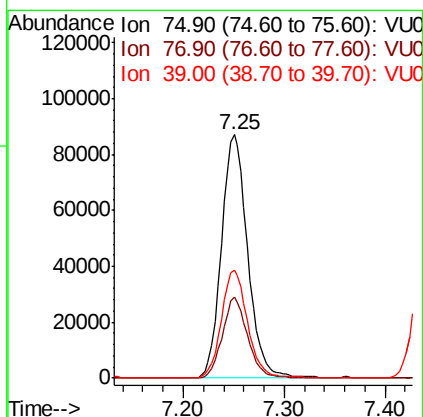
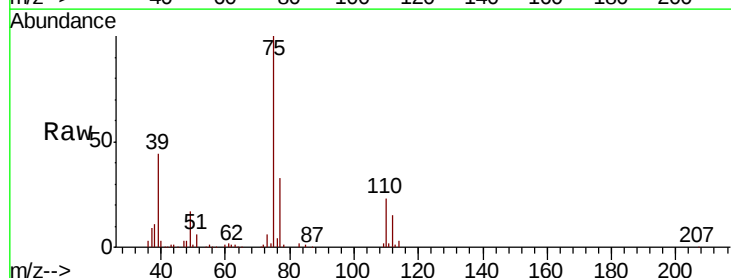
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 144295
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 20.915 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

Tgt Ion: 75 Resp: 158575
Ion Ratio Lower Upper
75 100
77 33.2 25.2 37.8
39 44.1 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 20.524 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 100198

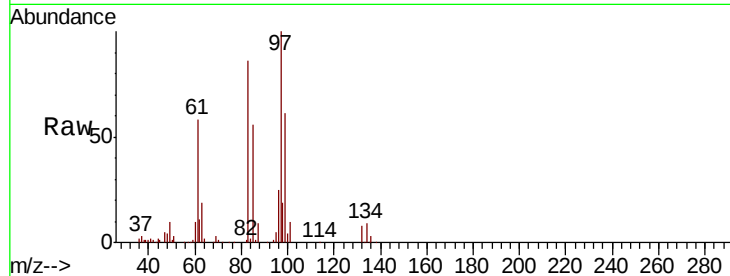
Ion Ratio Lower Upper

97 100

83 86.3 70.1 105.1

85 56.5 45.0 67.4

99 61.2 49.8 74.8

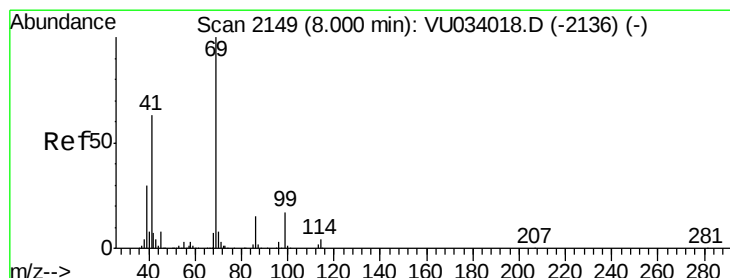
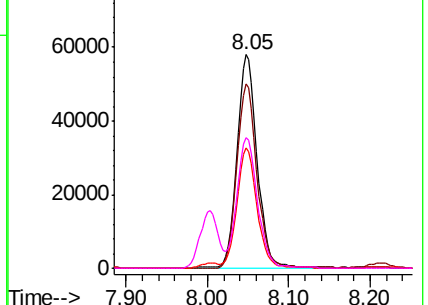
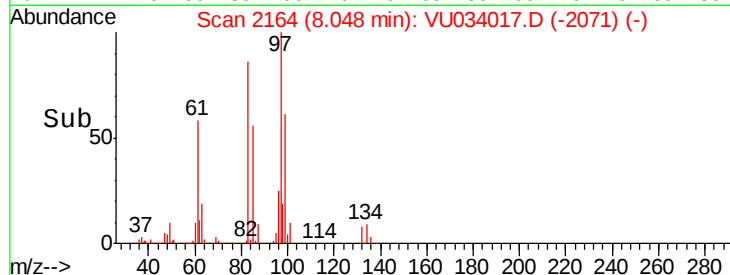


Abundance Ion 96.90 (96.60 to 97.60): VU034017.D (-2071) (-)

Ion 82.90 (82.60 to 83.60): VU034017.D (-2071) (-)

Ion 84.90 (84.60 to 85.60): VU034017.D (-2071) (-)

Ion 98.90 (98.60 to 99.60): VU034017.D (-2071) (-)



#56

Ethyl methacrylate

Concen: 20.745 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

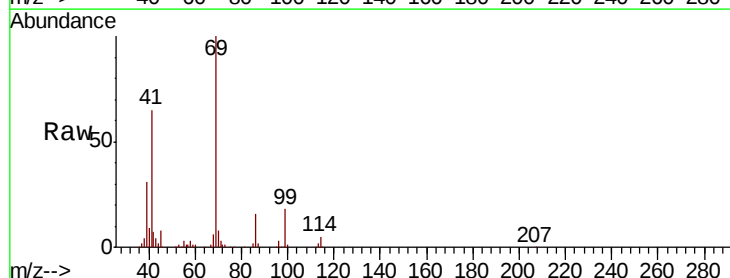
Tgt Ion: 69 Resp: 144306

Ion Ratio Lower Upper

69 100

41 63.9 50.7 76.1

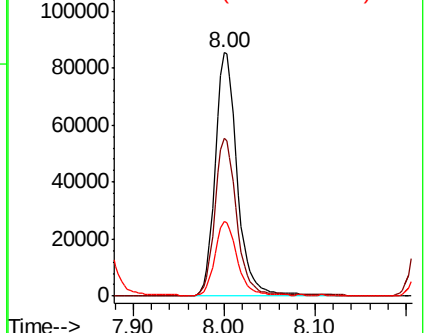
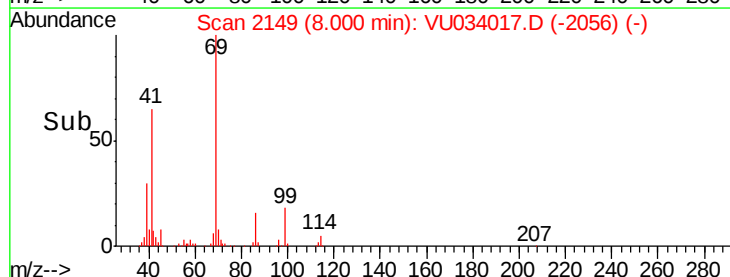
39 30.2 24.2 36.2

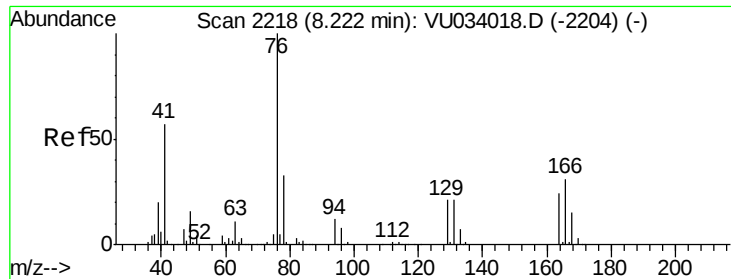


Abundance Ion 69.00 (68.70 to 69.70): VU034017.D (-2056) (-)

Ion 41.00 (40.70 to 41.70): VU034017.D (-2056) (-)

Ion 39.00 (38.70 to 39.70): VU034017.D (-2056) (-)





#57

1,3-Dichloropropane

Concen: 21.530 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

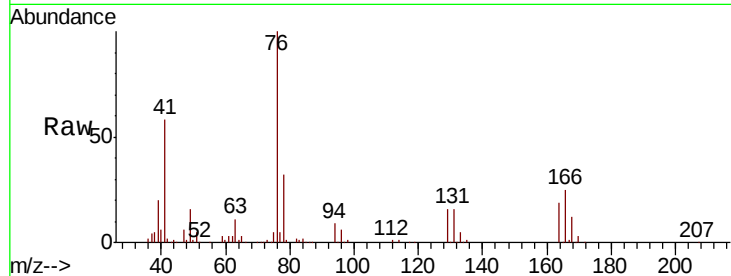
VSTDIC020

Tgt Ion: 76 Resp: 170955

Ion Ratio Lower Upper

76 100

78 31.6 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VU034017.D (-2125) (-)

Ion 77.90 (77.60 to 78.60): VU034017.D (-2125) (-)

8.22

100000

80000

60000

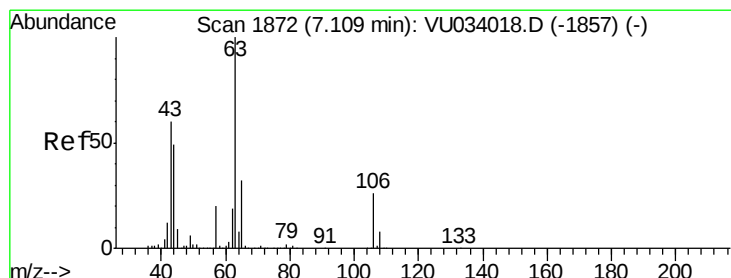
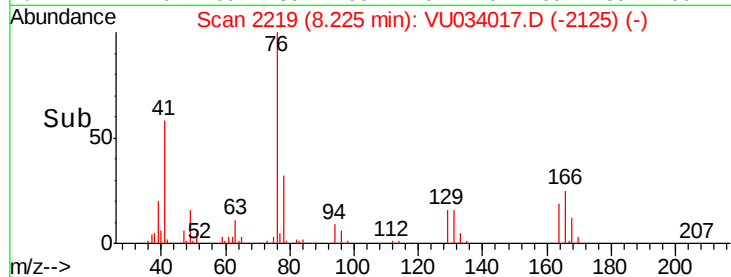
40000

20000

0

8.20 8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 108.744 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VU034017.D

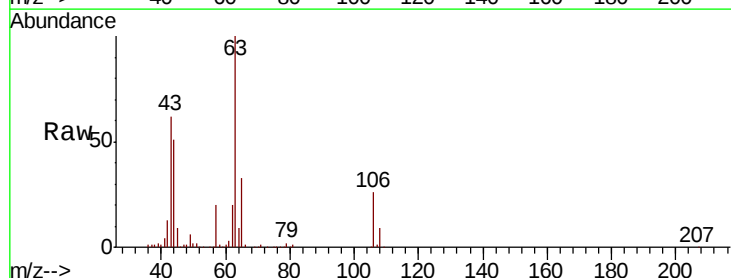
Acq: 28 Aug 2019 12:26

Tgt Ion: 63 Resp: 278250

Ion Ratio Lower Upper

63 100

106 25.5 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VU034017.D (-1779) (-)

Ion 105.90 (105.60 to 106.60): VU034017.D (-1779) (-)

7.11

150000

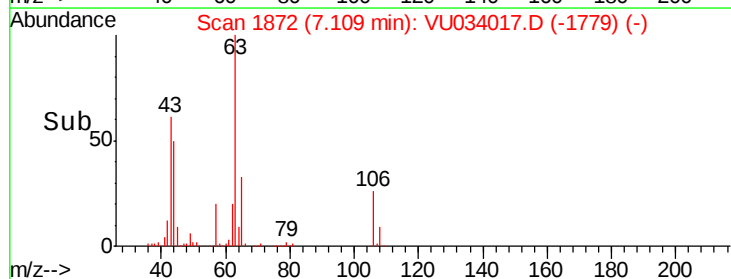
100000

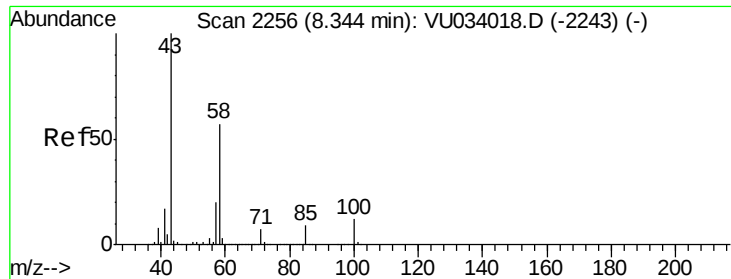
50000

0

7.00 7.10 7.20

Time-->

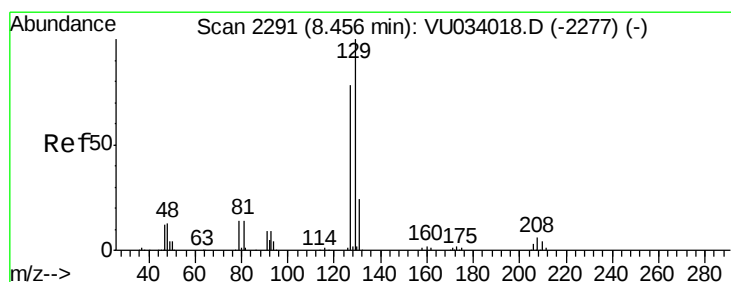
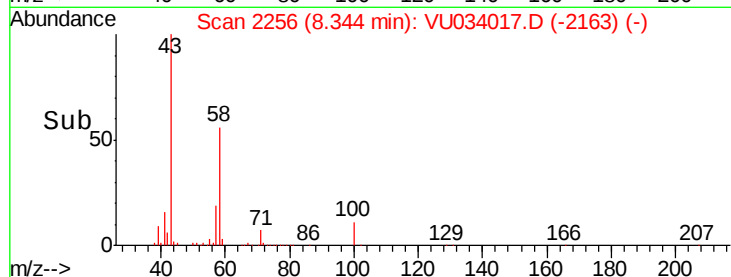
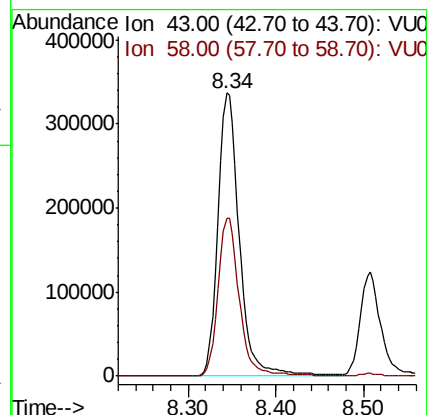
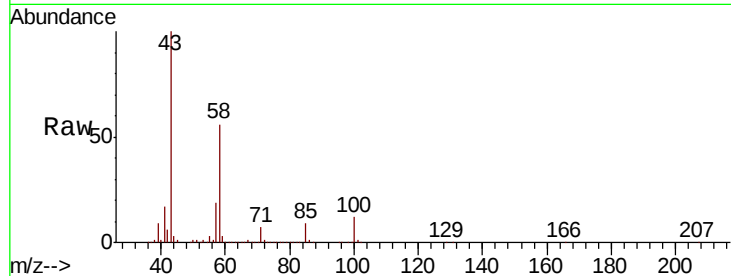




#59
2-Hexanone
Concen: 112.032 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

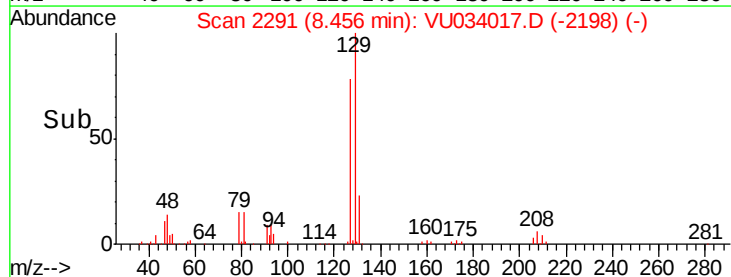
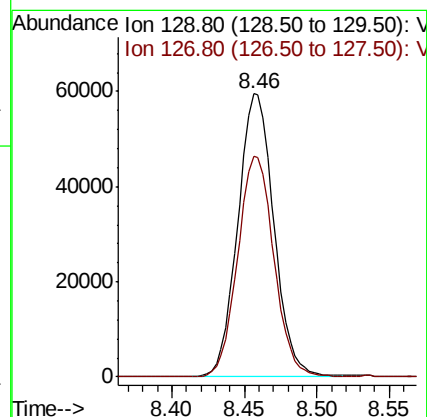
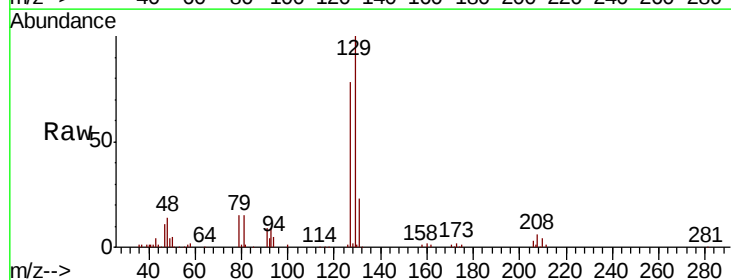
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

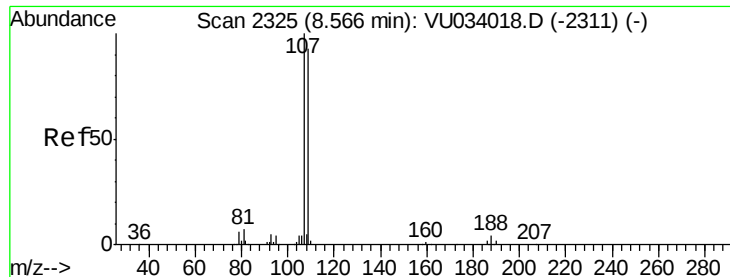
Tgt Ion: 43 Resp: 572864
Ion Ratio Lower Upper
43 100
58 55.6 28.4 85.3



#60
Dibromochloromethane
Concen: 18.984 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

Tgt Ion: 129 Resp: 103030
Ion Ratio Lower Upper
129 100
127 78.3 39.0 116.9

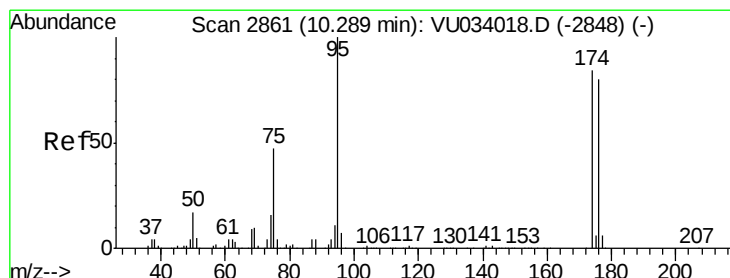
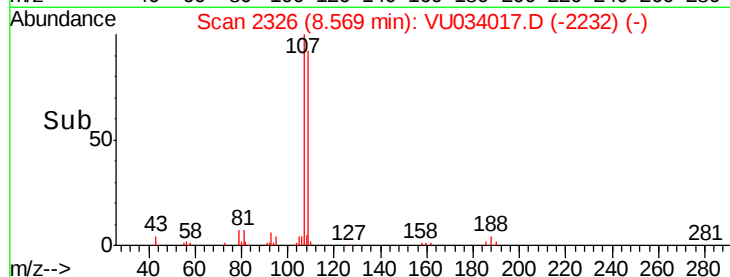
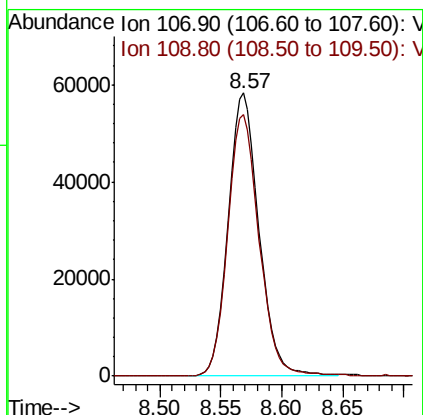
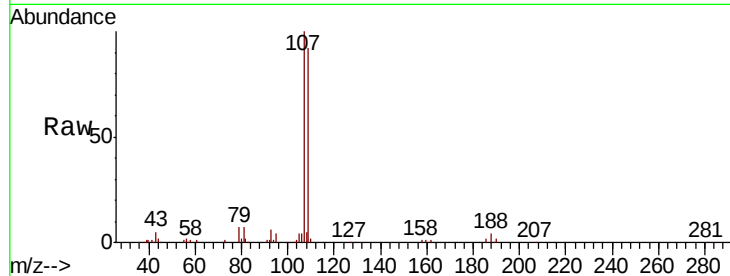




#61
 1,2-Dibromoethane
 Concen: 20.059 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

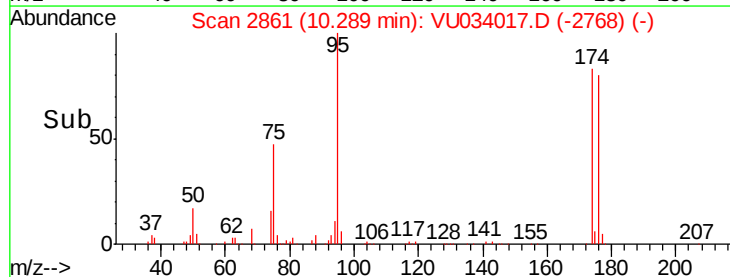
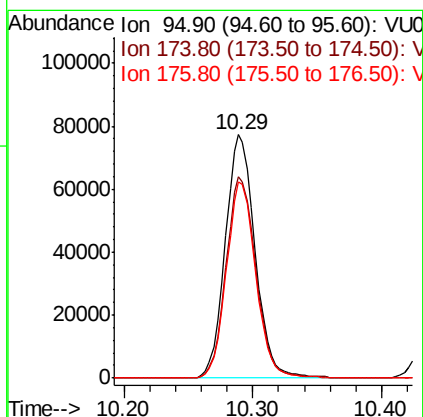
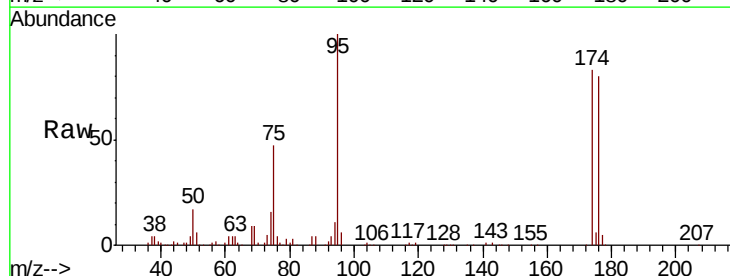
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

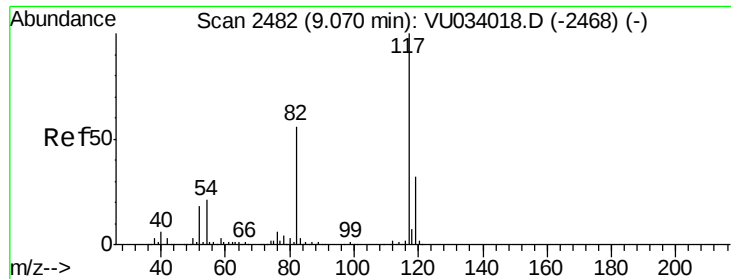
Tgt Ion: 107 Resp: 102757
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 19.266 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Tgt Ion: 95 Resp: 123748
 Ion Ratio Lower Upper
 95 100
 174 83.3 0.0 168.8
 176 79.8 0.0 161.8

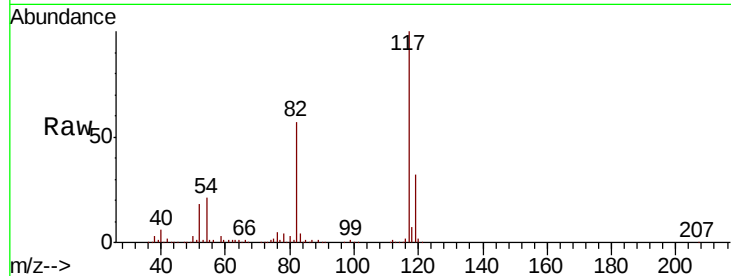




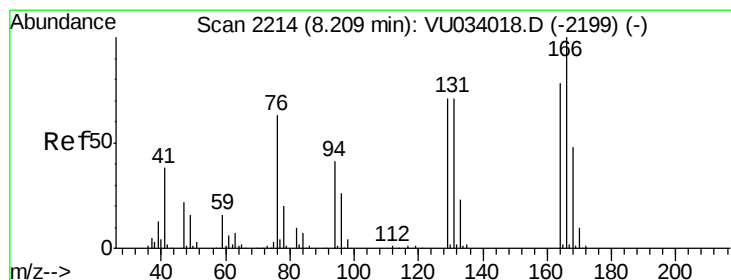
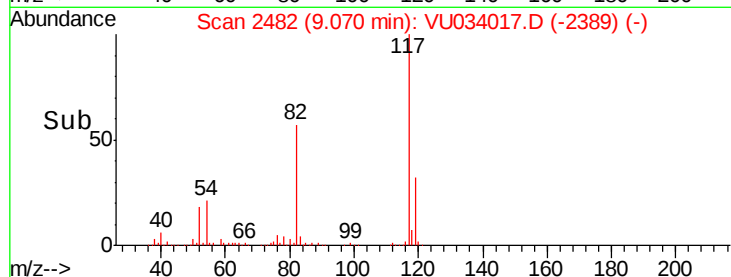
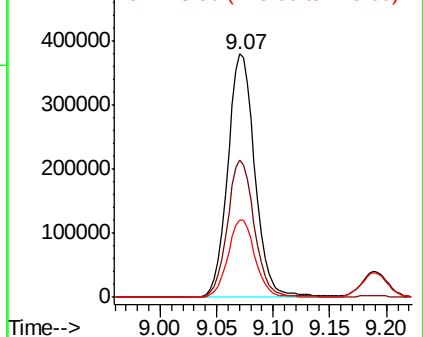
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 635884
Ion Ratio Lower Upper
117 100
82 56.5 45.1 67.7
119 32.0 25.4 38.0

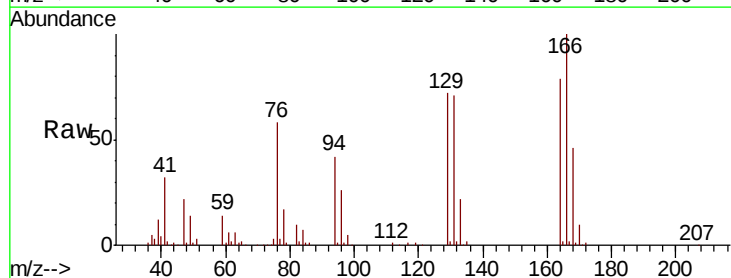


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

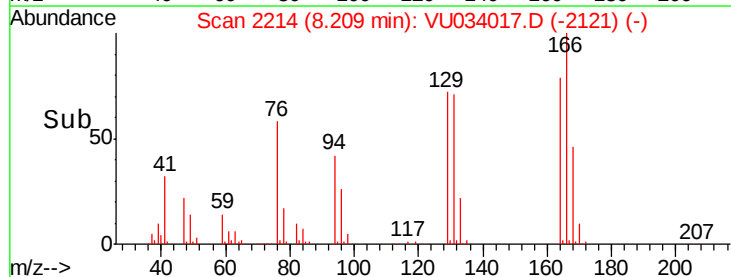
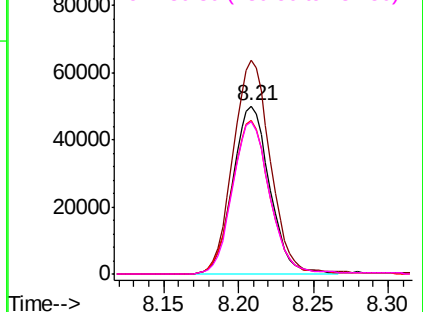


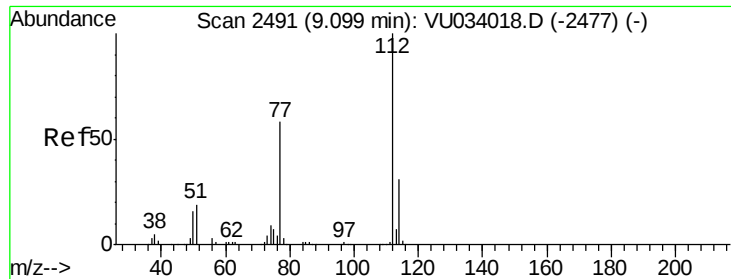
#64
Tetrachloroethene
Concen: 17.114 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

Tgt Ion:164 Resp: 86024
Ion Ratio Lower Upper
164 100
166 127.3 102.2 153.2
129 91.3 72.4 108.6
131 90.7 72.1 108.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.565 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

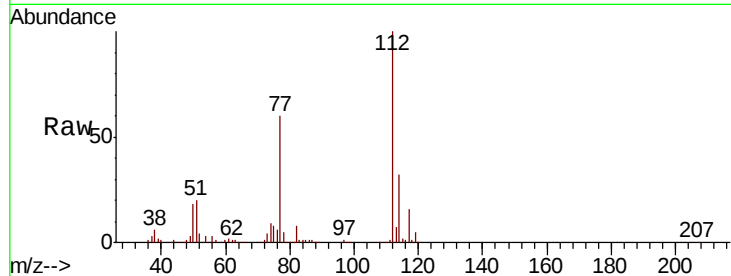
VSTDIC020

Tgt Ion:112 Resp: 259958

Ion Ratio Lower Upper

112 100

114 32.2 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.10

150000

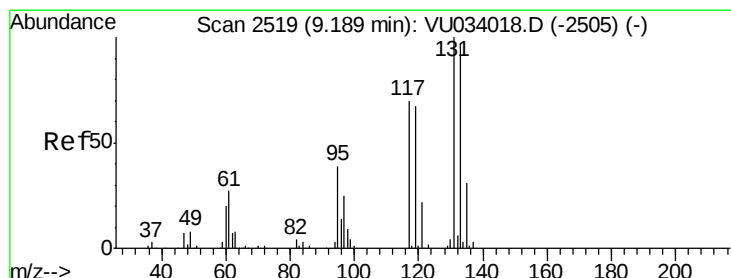
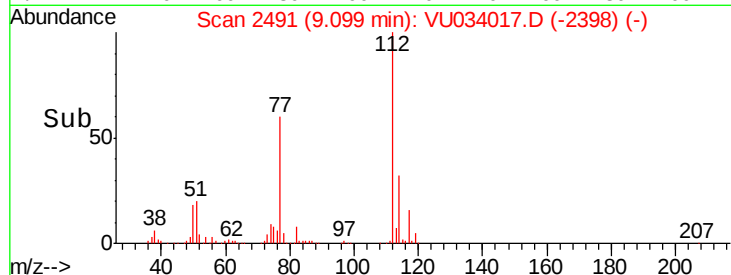
100000

50000

0

Time-->

9.00 9.10 9.20



#66

1,1,1,2-Tetrachloroethane

Concen: 18.817 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

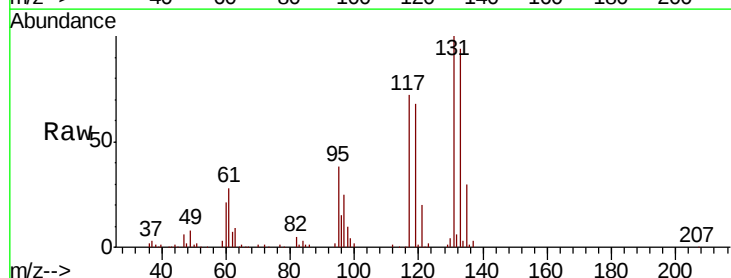
Tgt Ion:131 Resp: 92388

Ion Ratio Lower Upper

131 100

133 97.5 48.4 145.2

119 69.6 33.6 100.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.19

60000

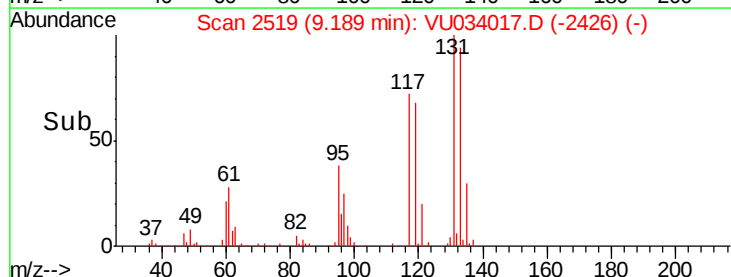
40000

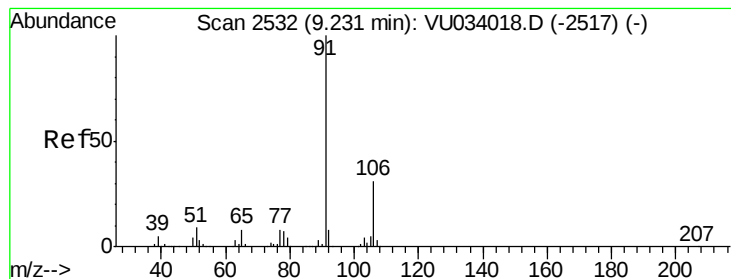
20000

0

Time-->

9.10 9.15 9.20 9.25





#67

Ethyl Benzene

Concen: 19.836 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

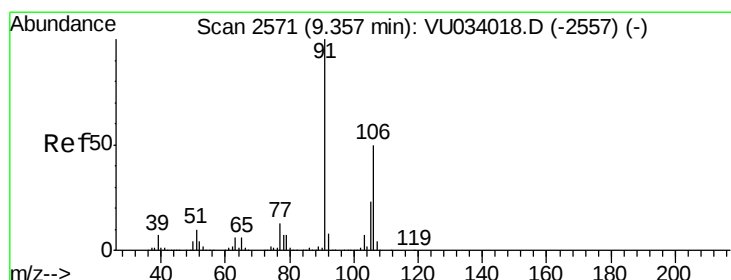
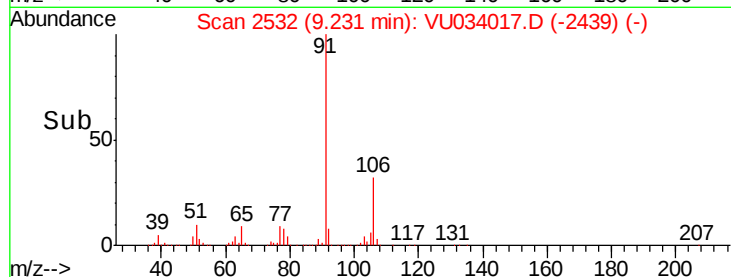
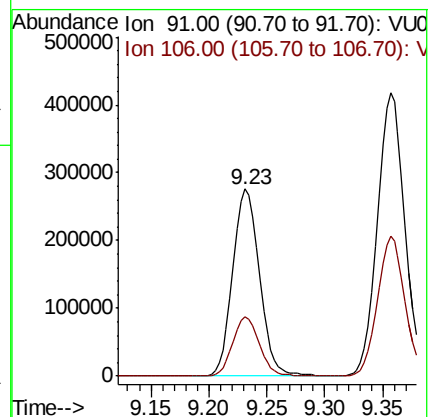
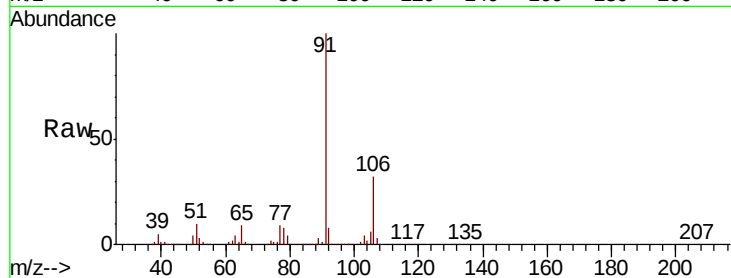
VSTDIC020

Tgt Ion: 91 Resp: 441747

Ion Ratio Lower Upper

91 100

106 31.5 24.9 37.3



#68

m/p-Xylenes

Concen: 40.199 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU034017.D

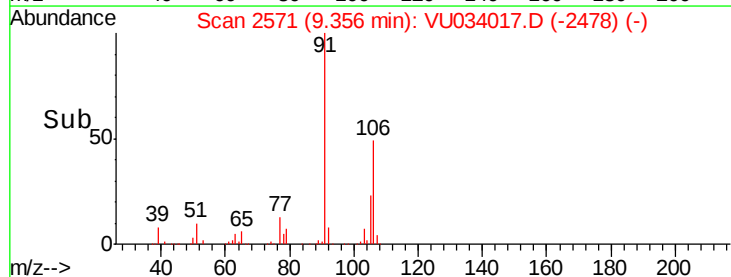
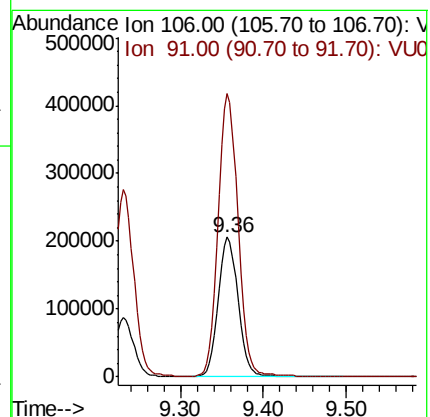
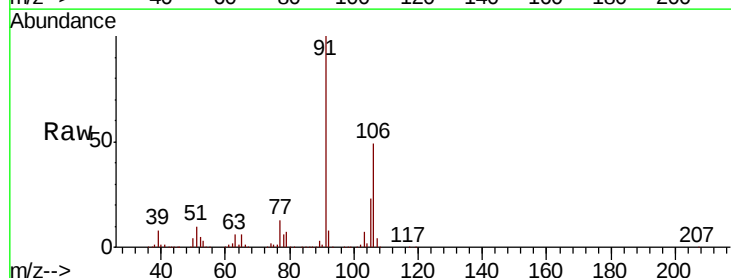
Acq: 28 Aug 2019 12:26

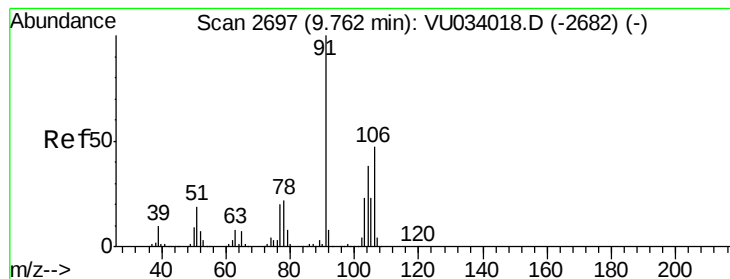
Tgt Ion: 106 Resp: 344229

Ion Ratio Lower Upper

106 100

91 202.3 161.6 242.4





#69

o-Xylene

Concen: 19.789 ug/l

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

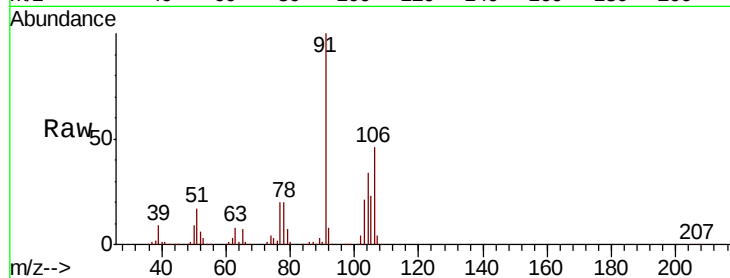
VSTDIC020

Tgt Ion:106 Resp: 162412

Ion Ratio Lower Upper

106 100

91 216.0 106.0 318.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

250000

200000

150000

100000

50000

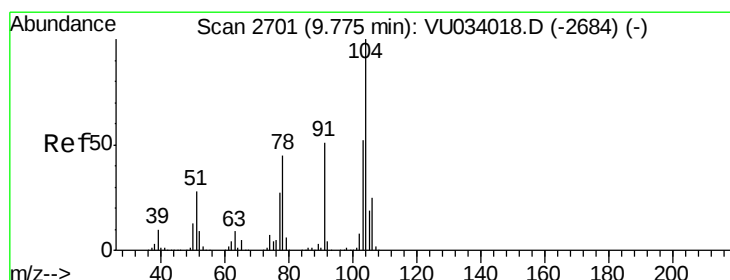
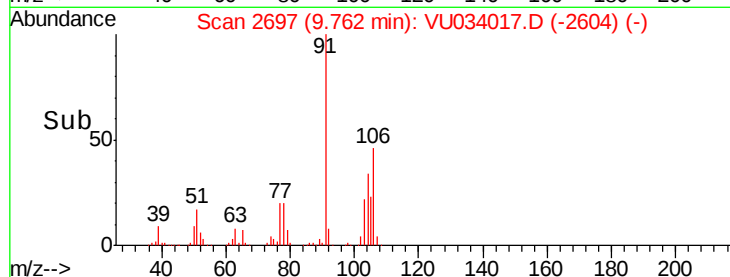
0

9.76

9.75

9.80

Time-->



#70

Styrene

Concen: 19.978 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

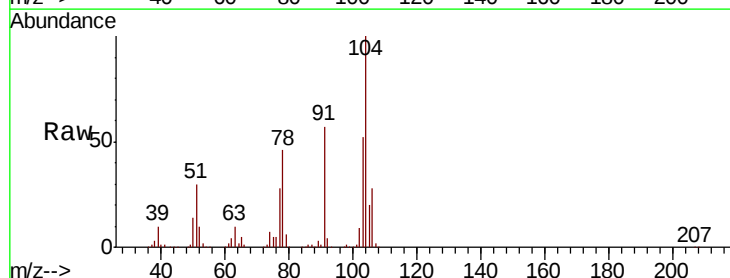
Tgt Ion:104 Resp: 280740

Ion Ratio Lower Upper

104 100

78 49.1 39.0 58.4

103 55.9 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

200000

150000

100000

50000

0

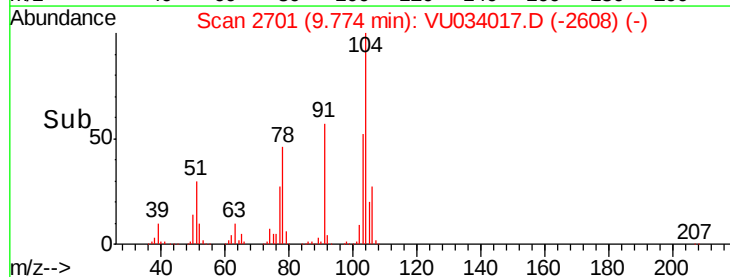
9.77

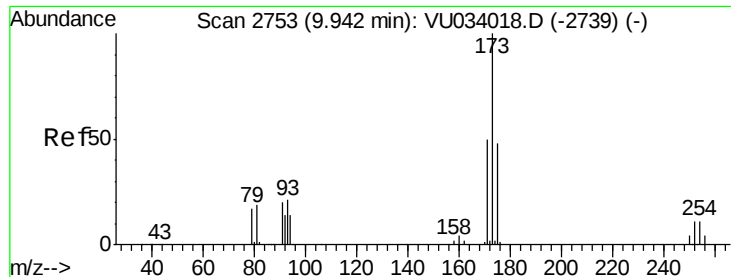
9.70

9.80

9.90

Time-->





#71

Bromoform

Concen: 18.247 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

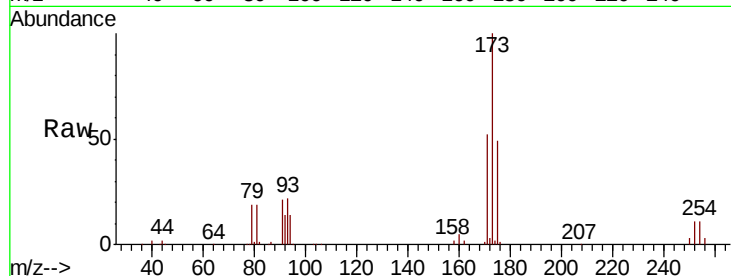
Tgt Ion:173 Resp: 79304

Ion Ratio Lower Upper

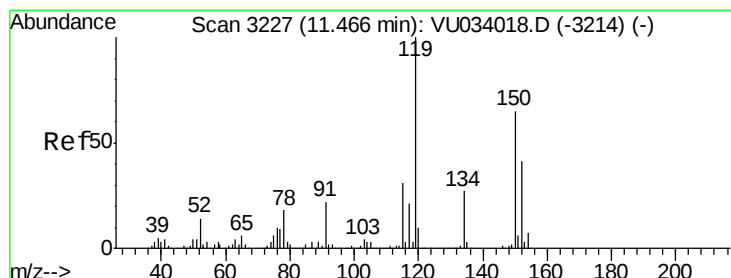
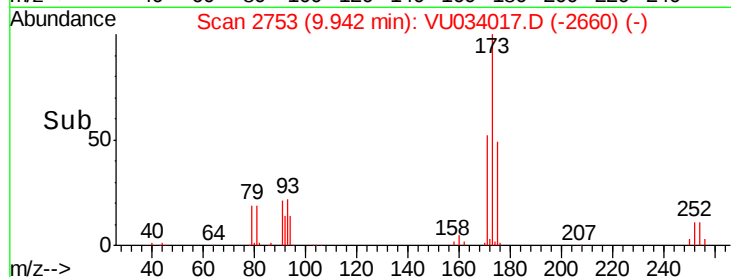
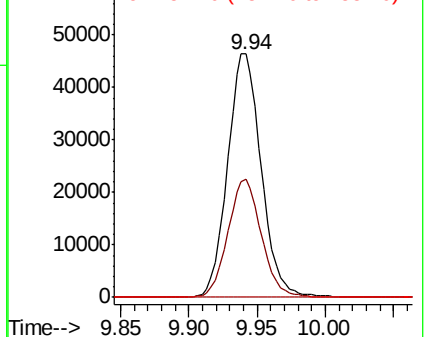
173 100

175 48.3 24.6 73.6

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

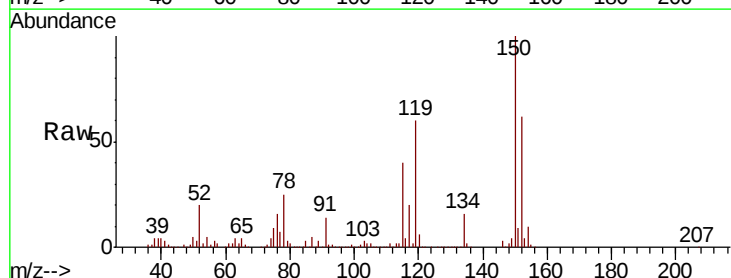
Tgt Ion:152 Resp: 320125

Ion Ratio Lower Upper

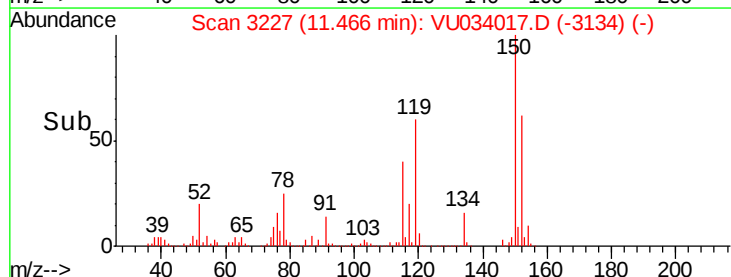
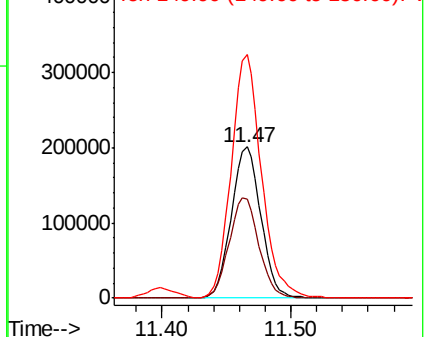
152 100

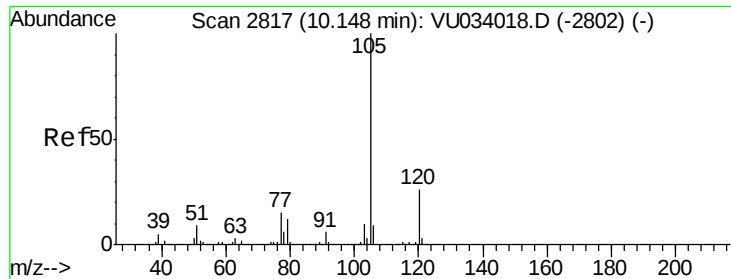
115 67.1 41.1 123.3

150 164.5 0.0 348.8



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: 21.302 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

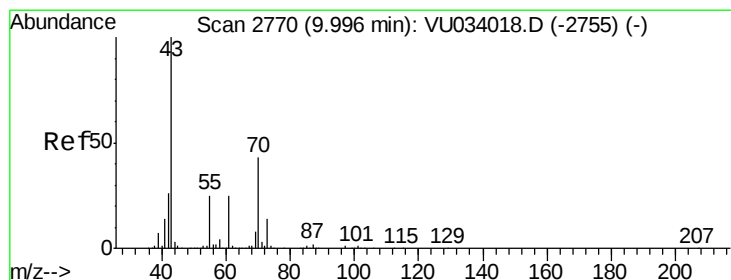
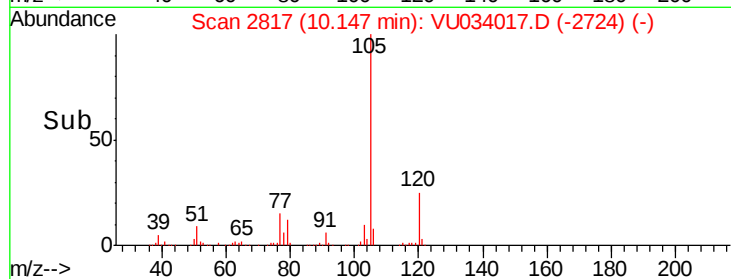
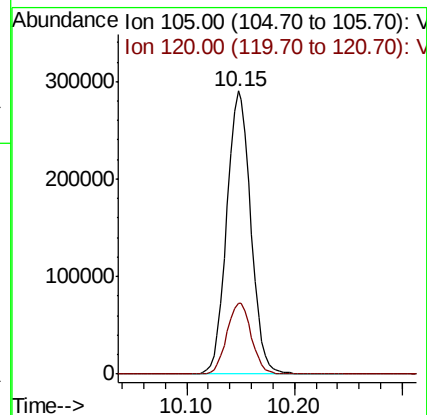
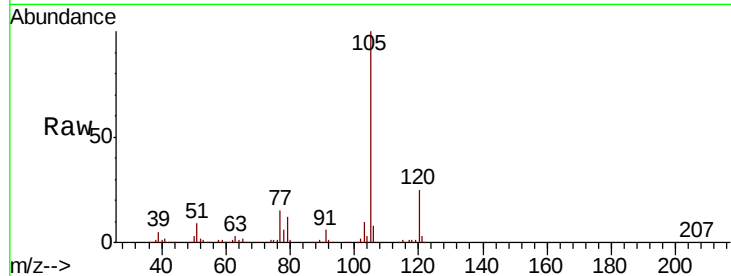
VSTDIC020

Tgt Ion: 105 Resp: 450142

Ion Ratio Lower Upper

105 100

120 25.7 13.3 39.8



#74

N-ethyl acetate

Concen: 22.801 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Tgt Ion: 43 Resp: 185199

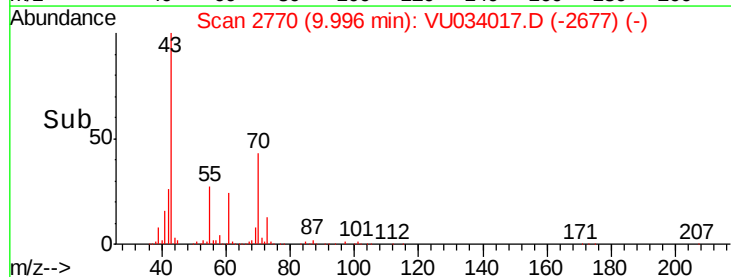
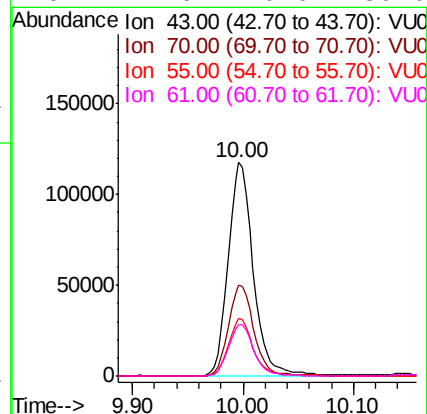
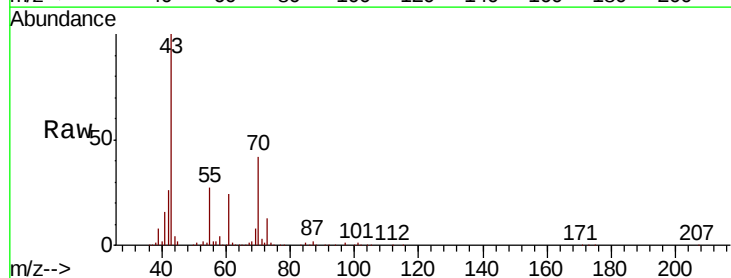
Ion Ratio Lower Upper

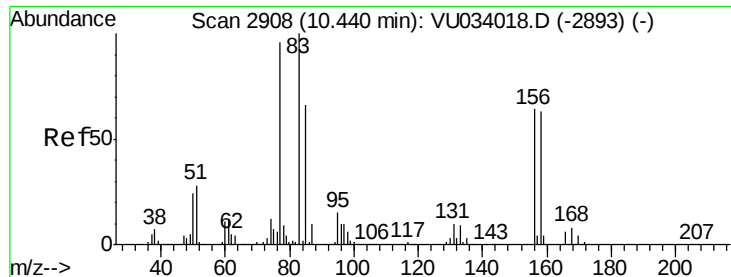
43 100

70 43.2 35.2 52.8

55 26.7 20.5 30.7

61 24.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.866 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

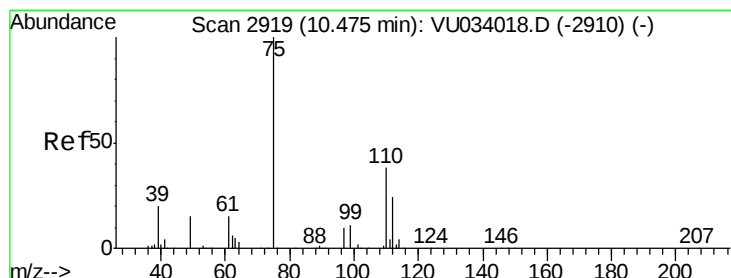
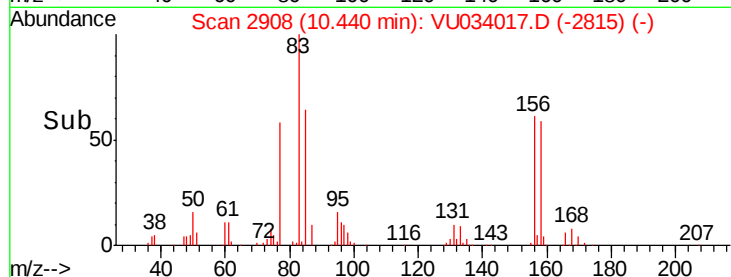
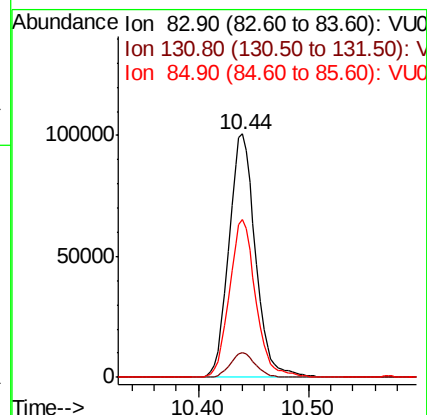
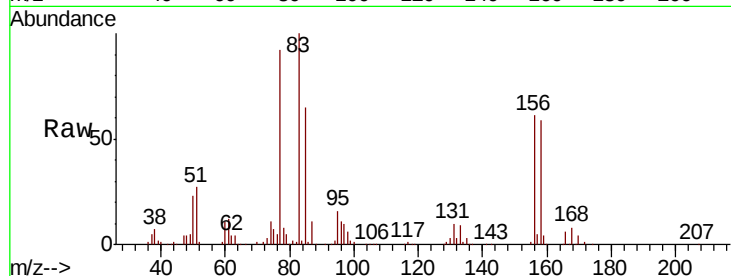
Tgt Ion: 83 Resp: 167956

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

85 64.4 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 28.509 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU034017.D

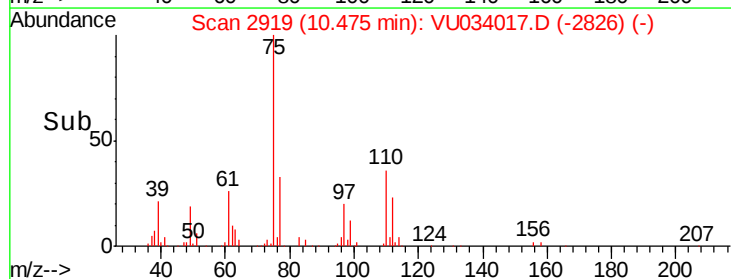
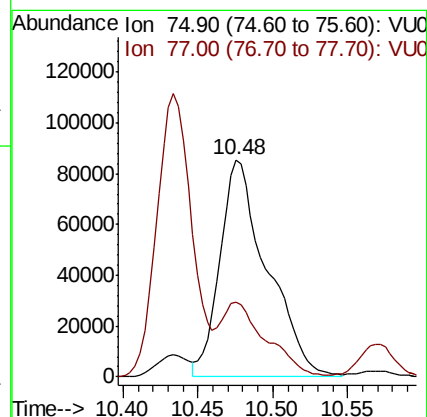
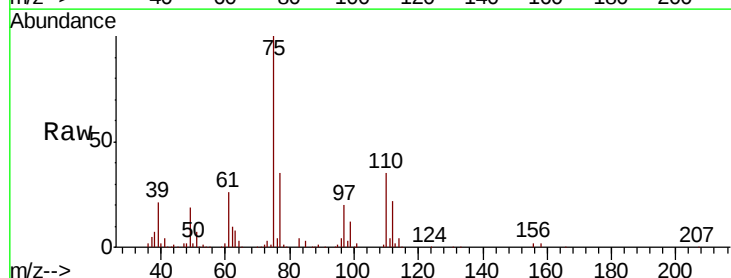
Acq: 28 Aug 2019 12:26

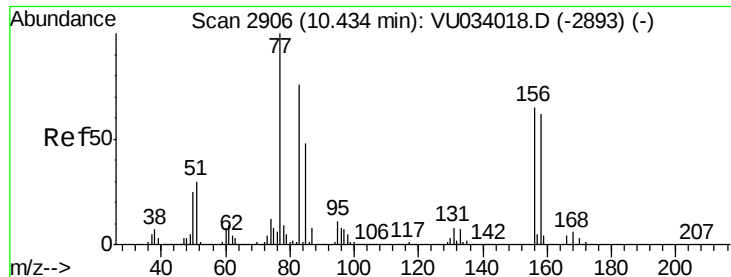
Tgt Ion: 75 Resp: 187679

Ion Ratio Lower Upper

75 100

77 31.5 20.1 60.2





#77

Bromobenzene

Concen: 19.533 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

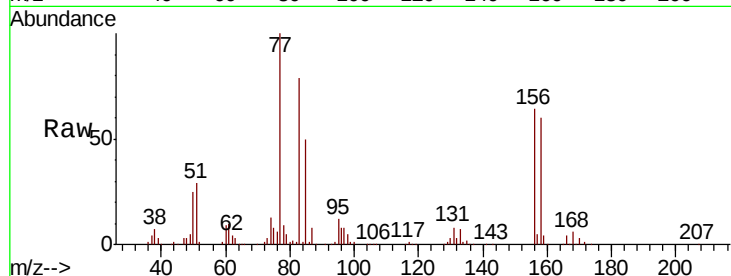
Tgt Ion:156 Resp: 115563

Ion Ratio Lower Upper

156 100

77 156.6 76.8 230.5

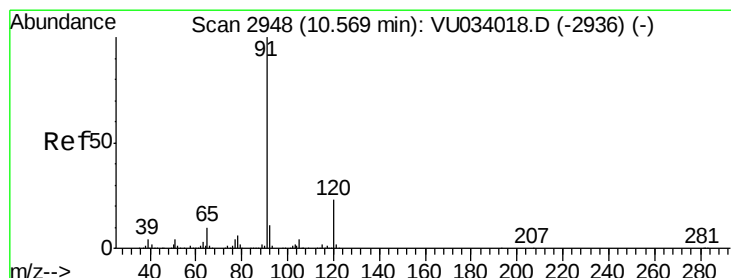
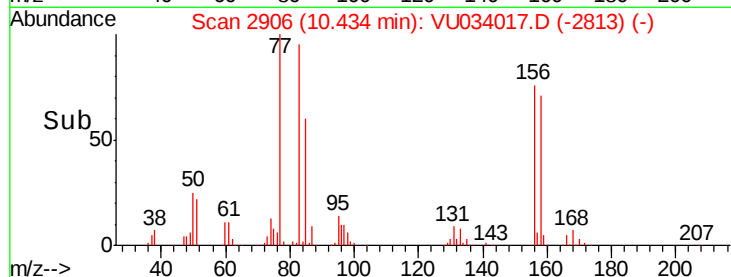
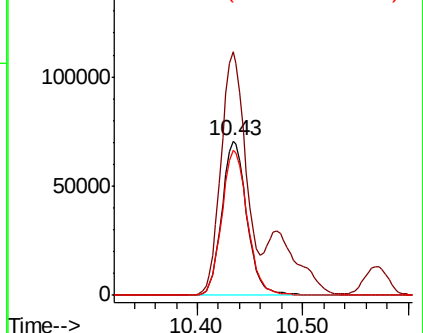
158 97.1 48.4 145.0



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: 21.329 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU034017.D

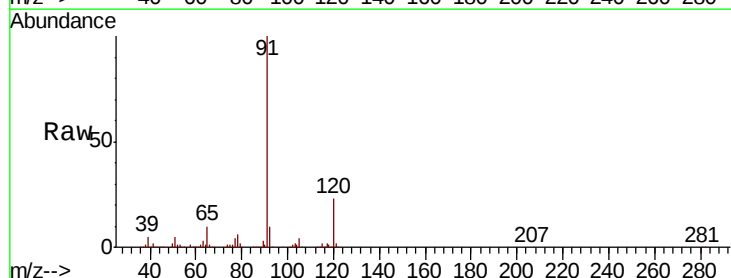
Acq: 28 Aug 2019 12:26

Tgt Ion: 91 Resp: 513178

Ion Ratio Lower Upper

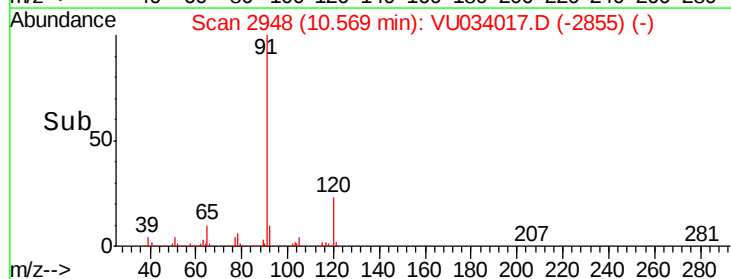
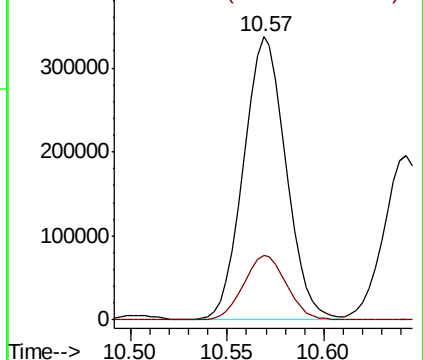
91 100

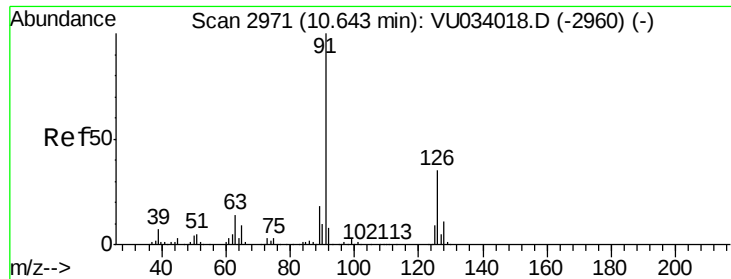
120 23.1 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.340 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

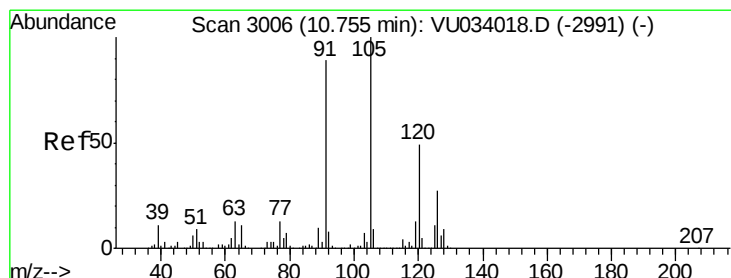
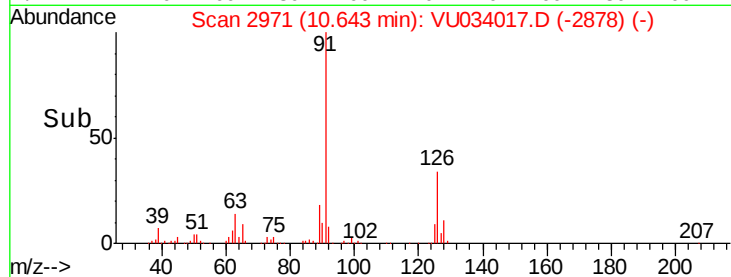
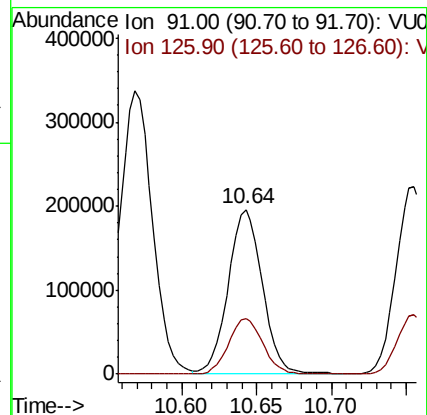
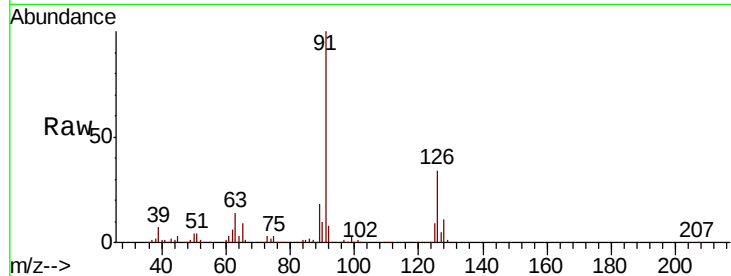
VSTDIC020

Tgt Ion: 91 Resp: 310097

Ion Ratio Lower Upper

91 100

126 34.0 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 21.216 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU034017.D

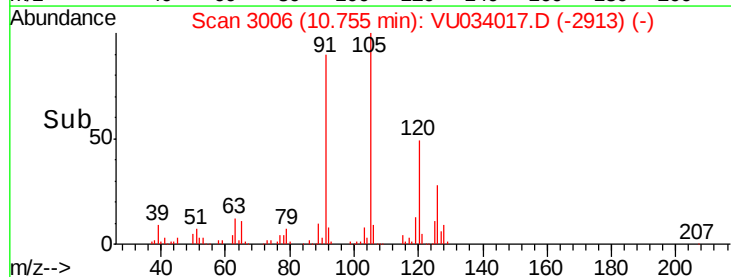
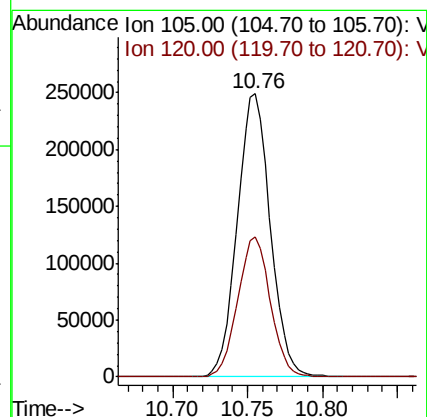
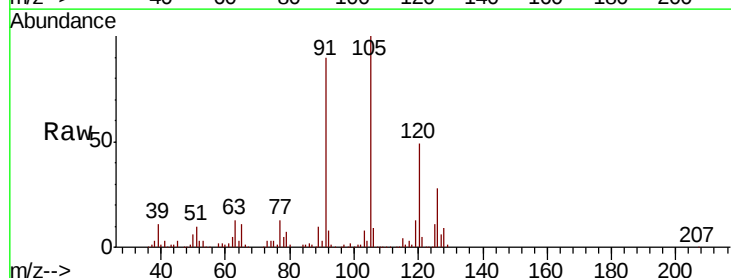
Acq: 28 Aug 2019 12:26

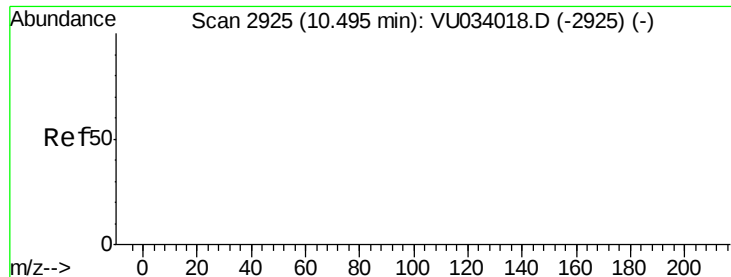
Tgt Ion: 105 Resp: 383538

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.6

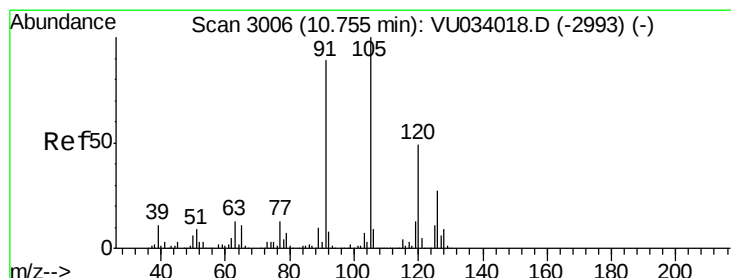
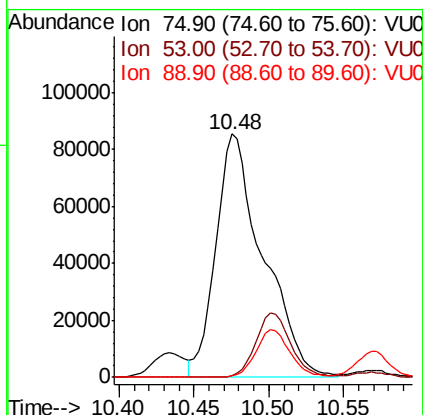
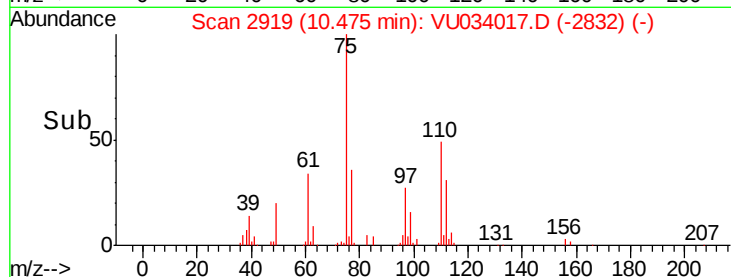
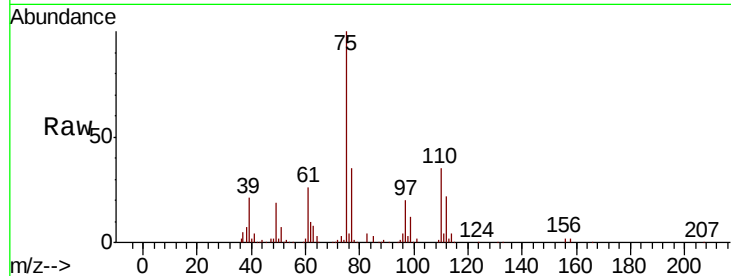




#81
trans-1,4-Dichloro-2-butene
Concen: 84.764 ug/l
RT: 10.48 min Scan# 2919
Delta R.T. -0.02 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

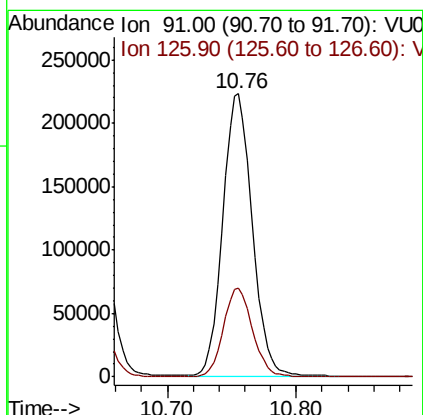
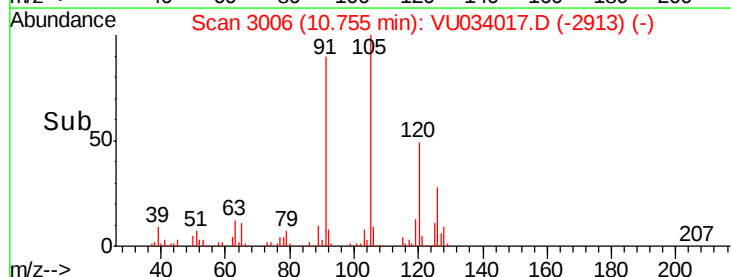
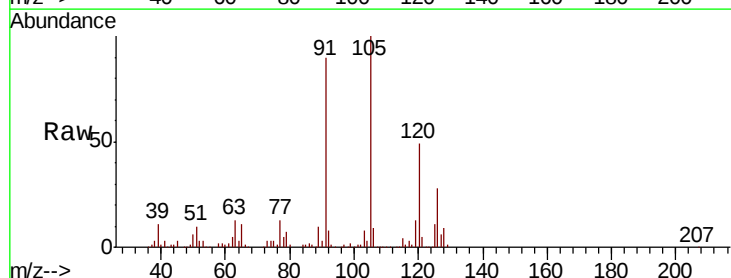
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

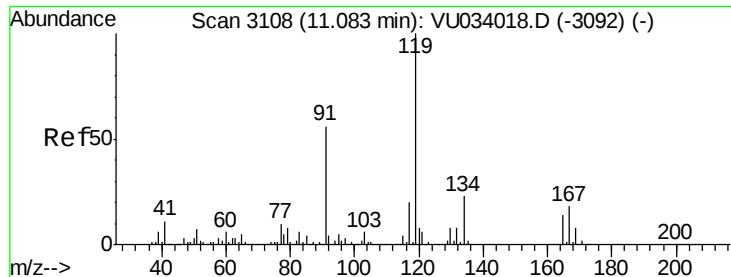
Tgt Ion: 75 Resp: 187679
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 20.980 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

Tgt Ion: 91 Resp: 351964
Ion Ratio Lower Upper
91 100
126 30.9 15.0 45.1

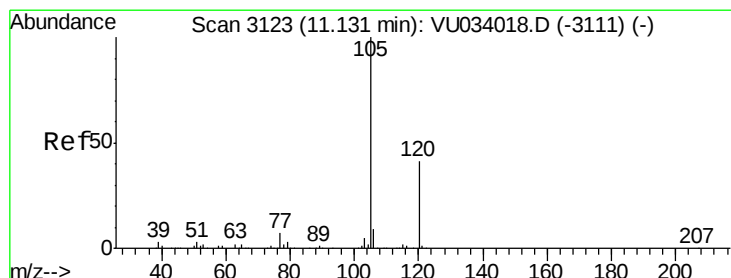
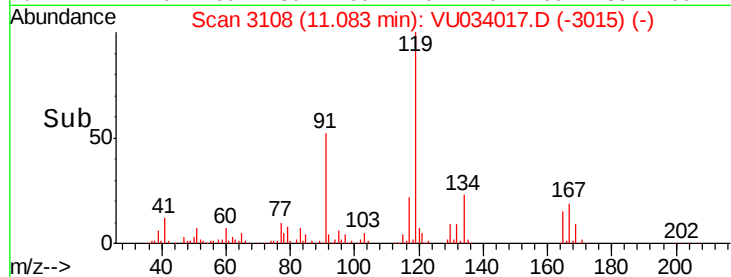
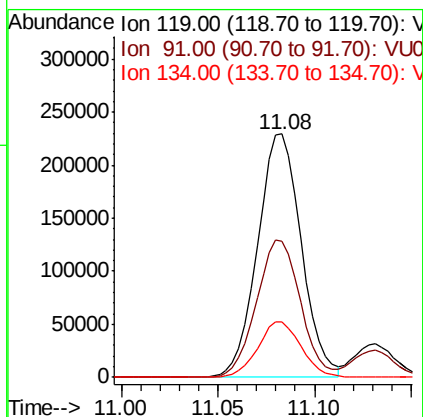
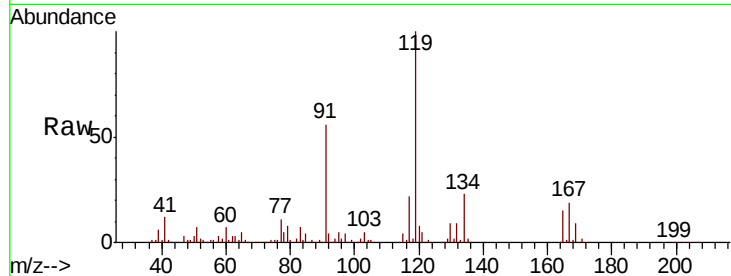




#83
 tert-Butylbenzene
 Concen: 20.547 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

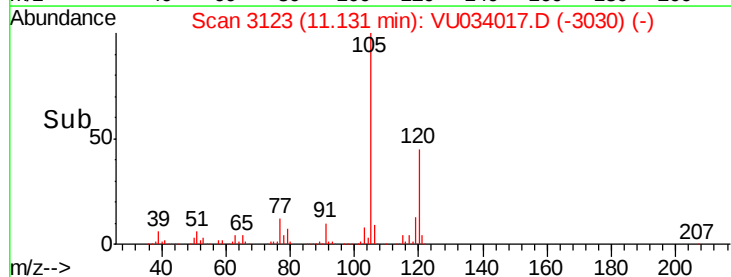
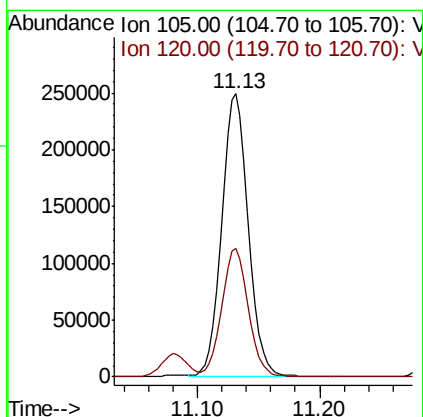
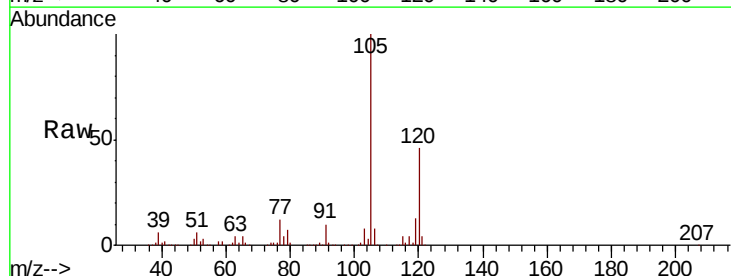
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

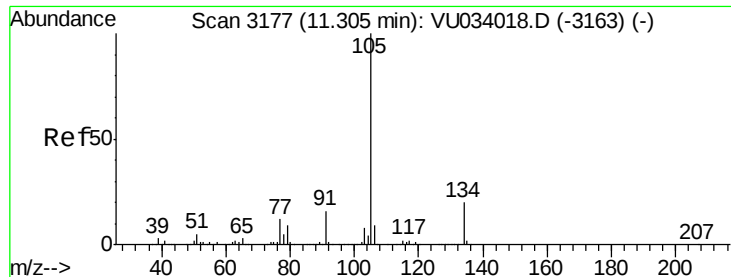
Tgt Ion:119 Resp: 361846
 Ion Ratio Lower Upper
 119 100
 91 56.4 27.9 83.6
 134 22.7 11.4 34.2



#84
 1,2,4-Trimethylbenzene
 Concen: 21.393 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Tgt Ion:105 Resp: 380580
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.6 67.8

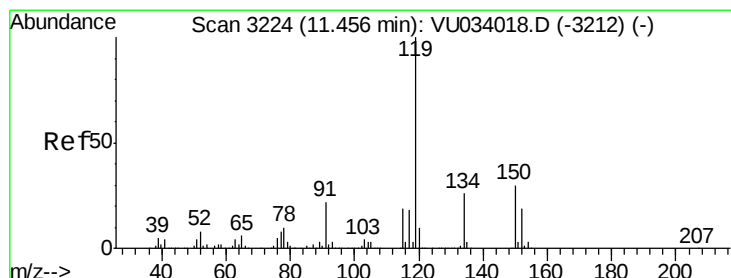
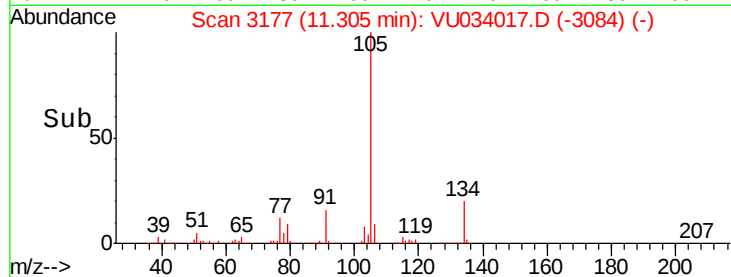
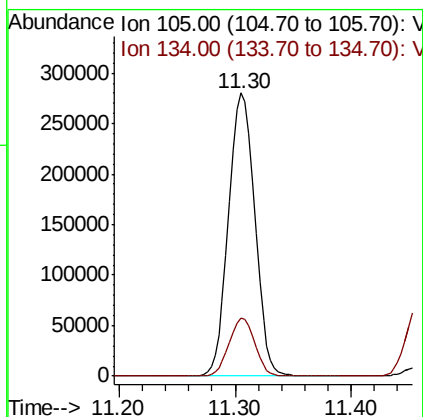
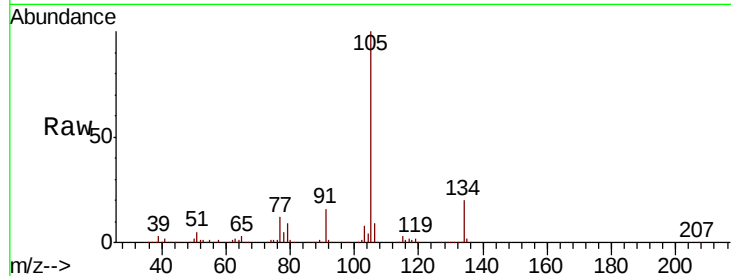




#85
 sec-Butylbenzene
 Concen: 20.859 ug/l
 RT: 11.30 min Scan# 3177
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

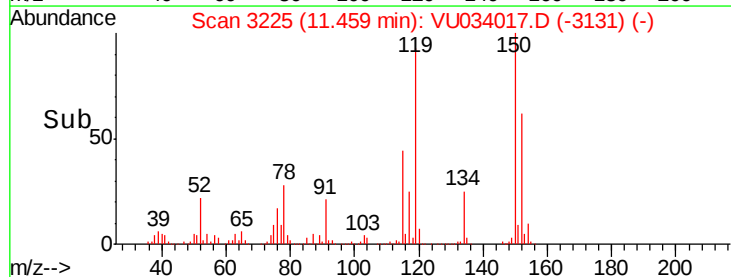
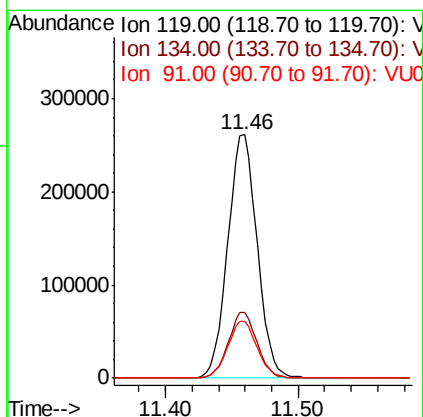
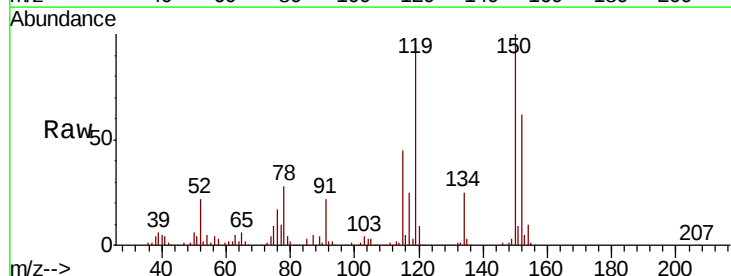
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

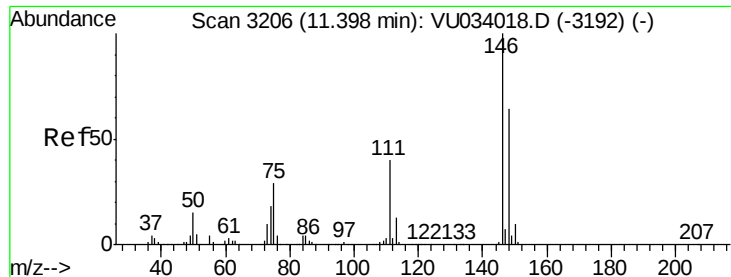
Tgt Ion:105 Resp: 437990
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 20.491 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Tgt Ion:119 Resp: 400497
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.1 39.1
 91 23.3 11.2 33.6

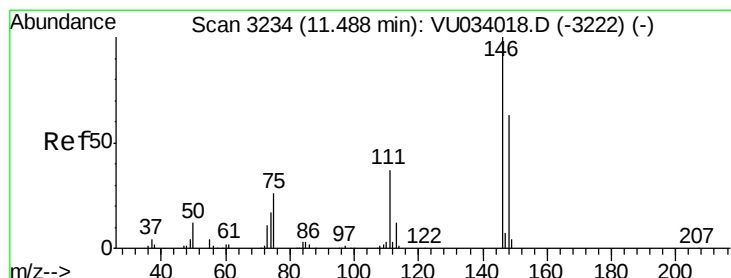
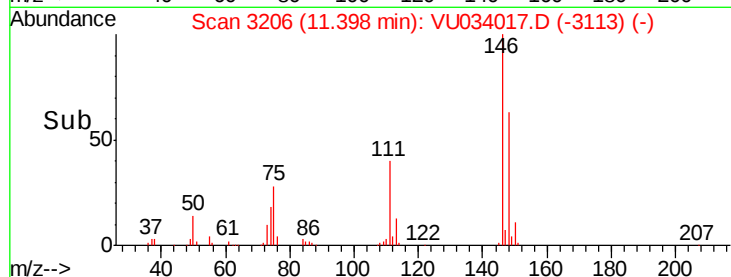
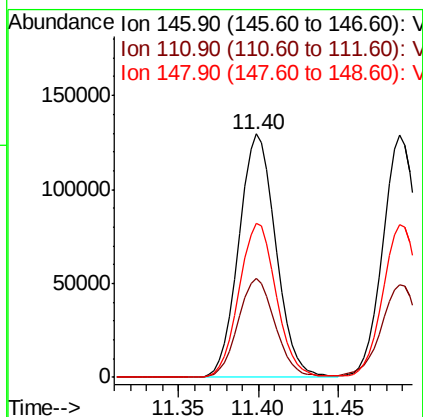
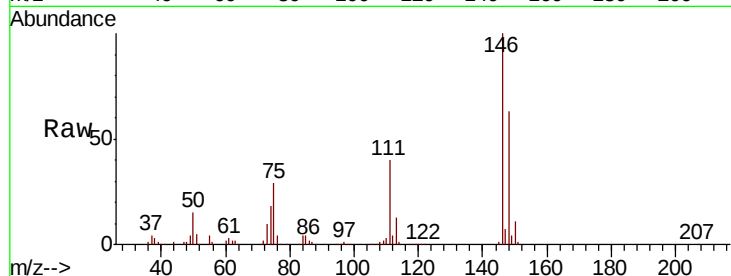




#87
 1,3-Dichlorobenzene
 Concen: 19.473 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

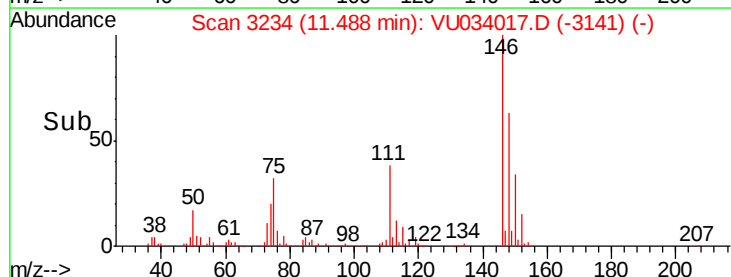
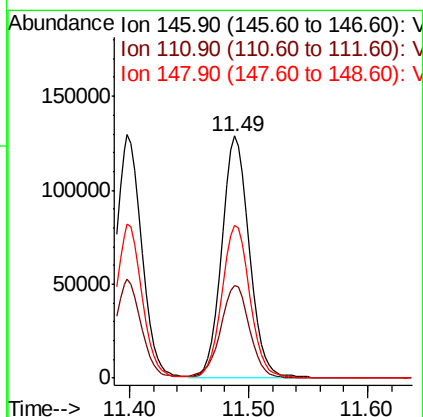
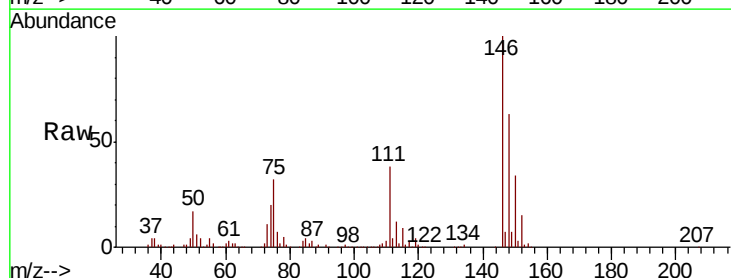
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

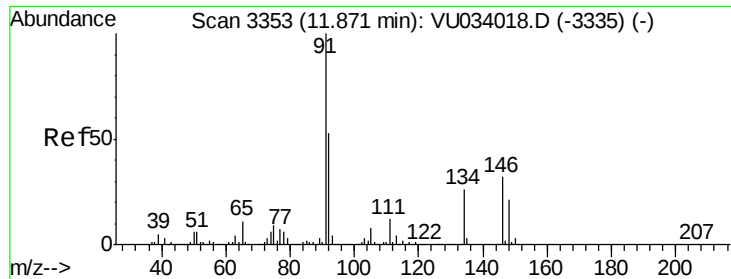
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.9	59.6
148	63.7	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.395 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.2	57.6
148	64.4	31.9	95.9

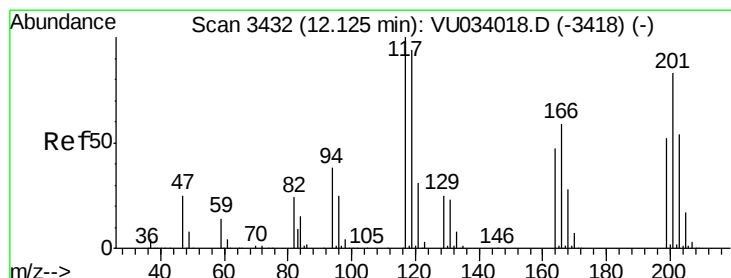
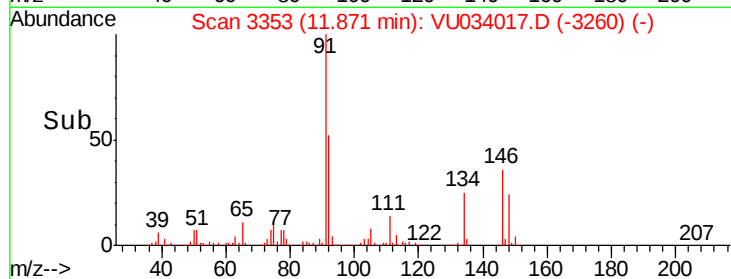
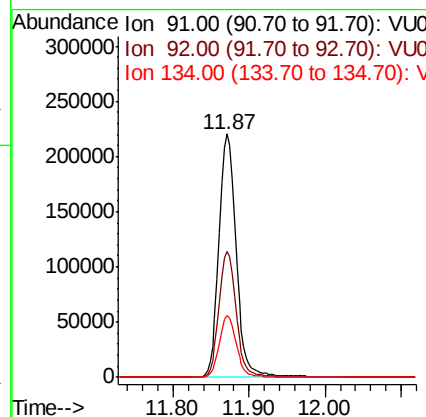
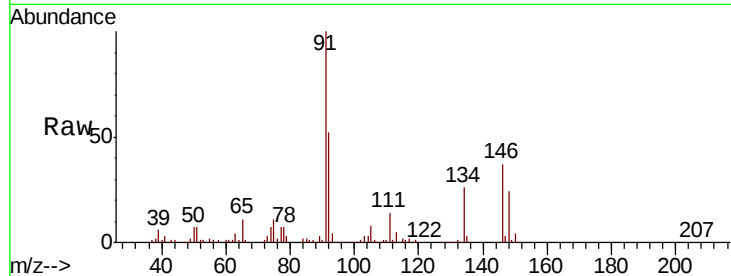




#89
n-Butylbenzene
Concen: 21.011 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. -0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

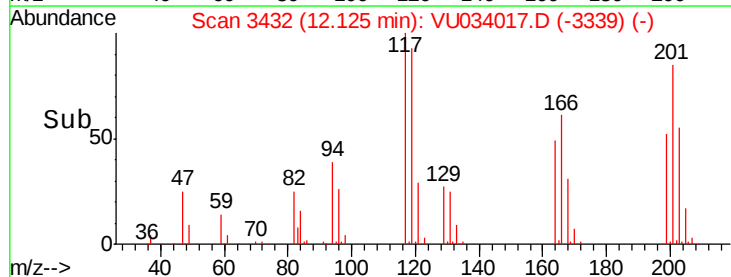
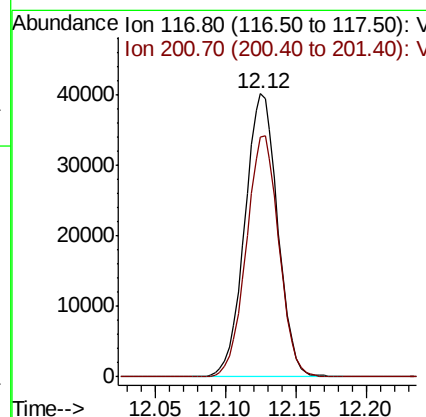
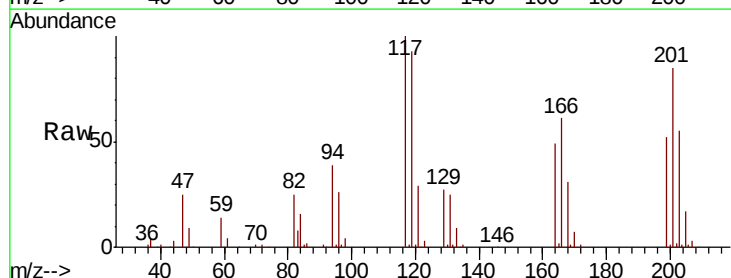
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

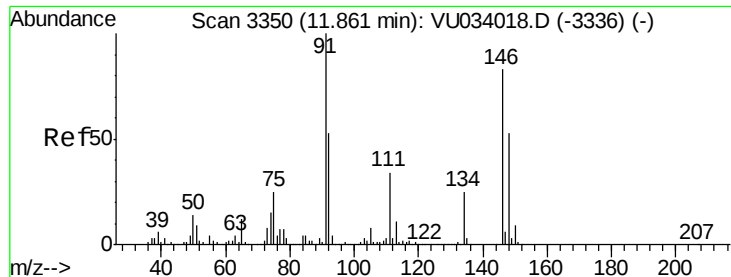
Tgt Ion: 91 Resp: 346880
Ion Ratio Lower Upper
91 100
92 51.5 26.3 78.9
134 25.0 12.9 38.7



#90
Hexachloroethane
Concen: 20.258 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. -0.00 min
Lab File: VU034017.D
Acq: 28 Aug 2019 12:26

Tgt Ion: 117 Resp: 65724
Ion Ratio Lower Upper
117 100
201 84.4 42.5 127.6

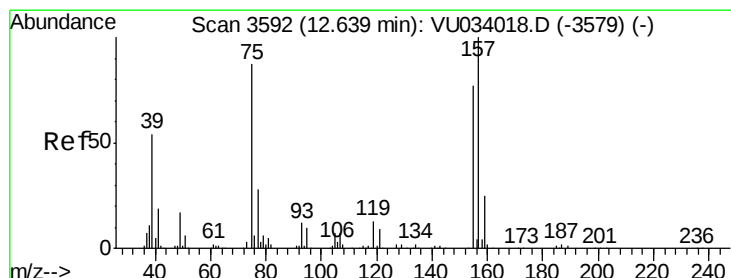
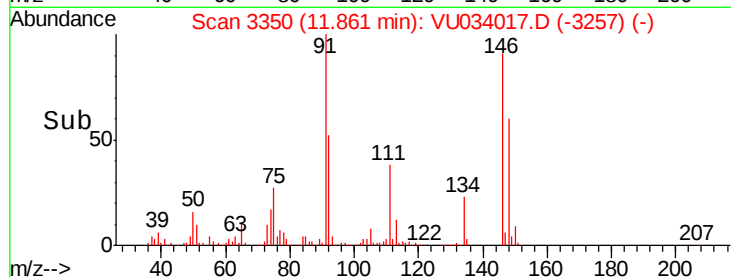
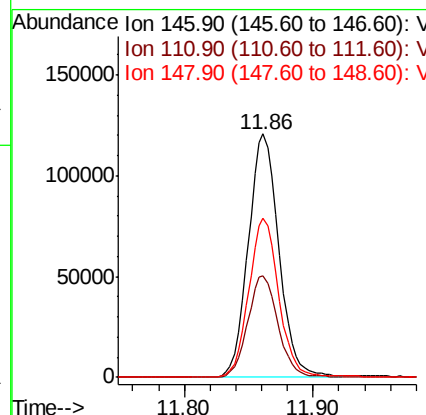
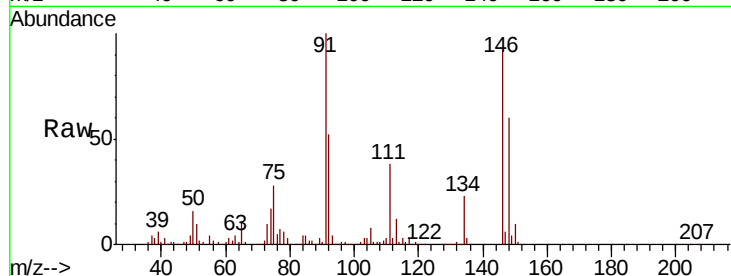




#91
 1,2-Dichlorobenzene
 Concen: 19.378 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

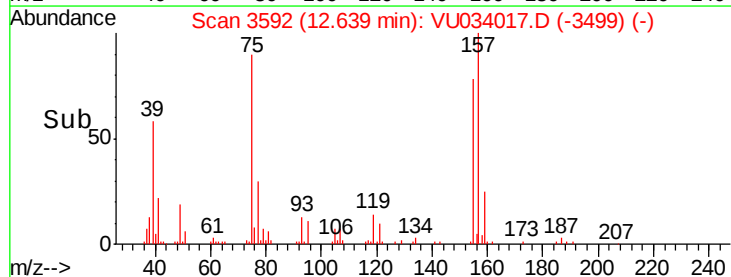
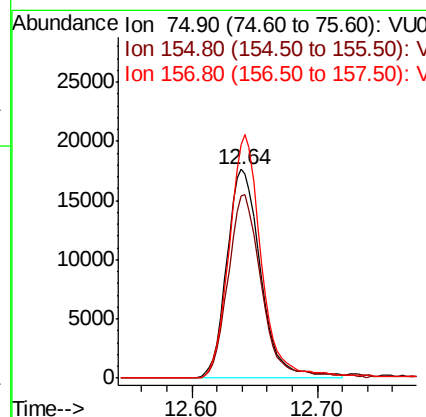
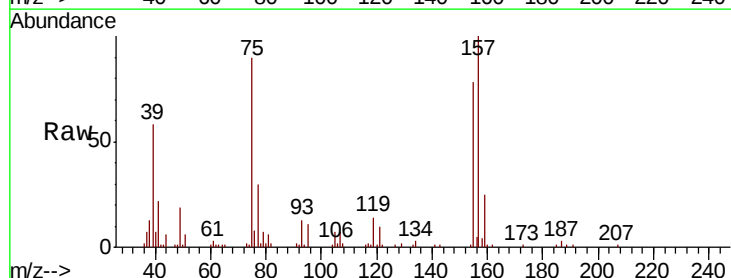
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

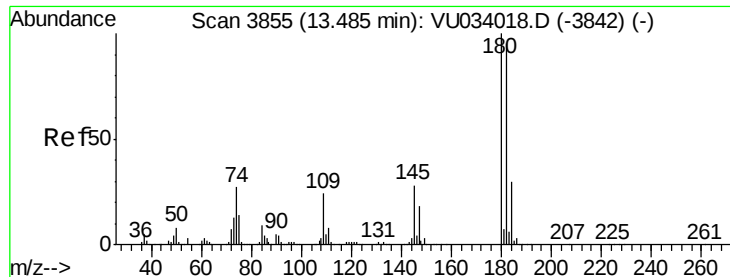
Tgt Ion: 146 Resp: 199559
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.4 61.2
 148 64.7 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.697 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Tgt Ion: 75 Resp: 33043
 Ion Ratio Lower Upper
 75 100
 155 86.2 43.5 130.7
 157 109.7 56.9 170.6

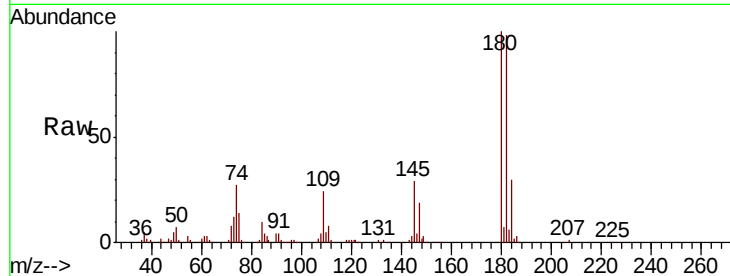




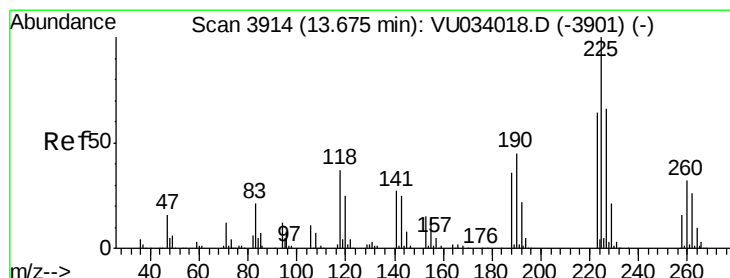
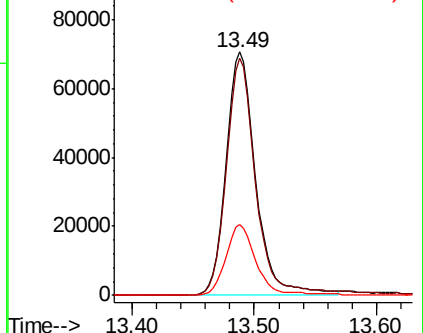
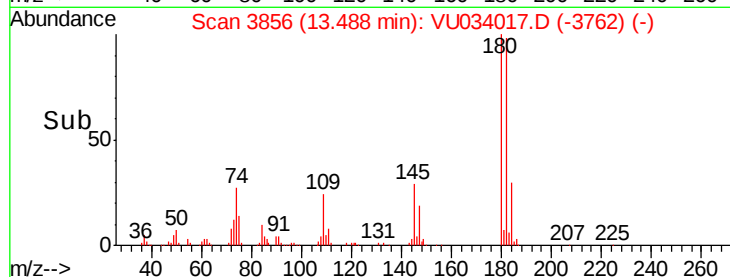
#93
 1,2,4-Trichlorobenzene
 Concen: 19.062 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 120192
 Ion Ratio Lower Upper
 180 100
 182 98.0 47.4 142.2
 145 29.3 14.1 42.3

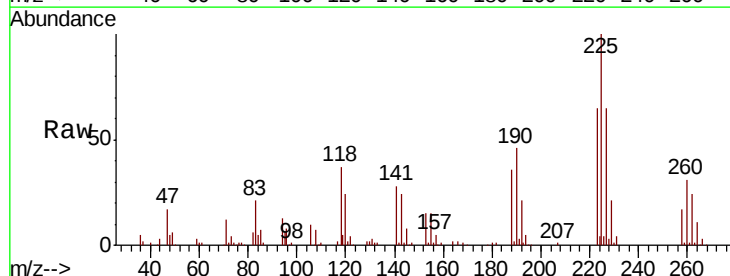


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

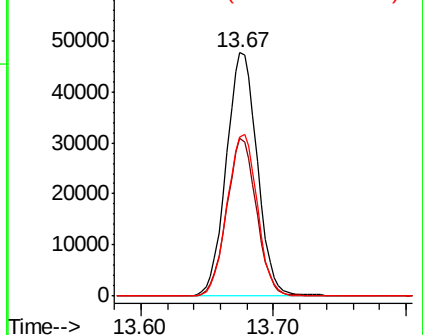
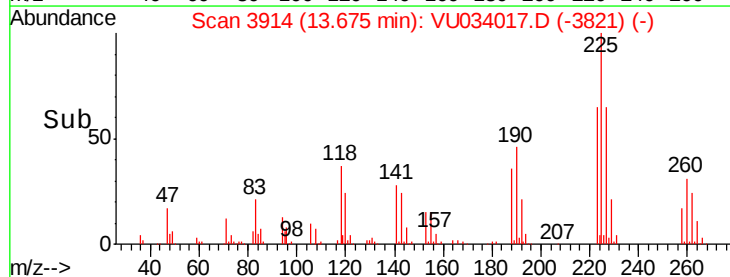


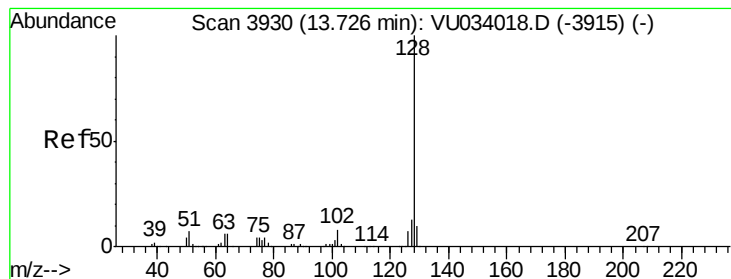
#94
 Hexachlorobutadiene
 Concen: 18.518 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU034017.D
 Acq: 28 Aug 2019 12:26

Tgt Ion:225 Resp: 77395
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.8 95.3
 227 64.6 32.6 97.8



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





#95

Naphthalene

Concen: 19.942 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. -0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

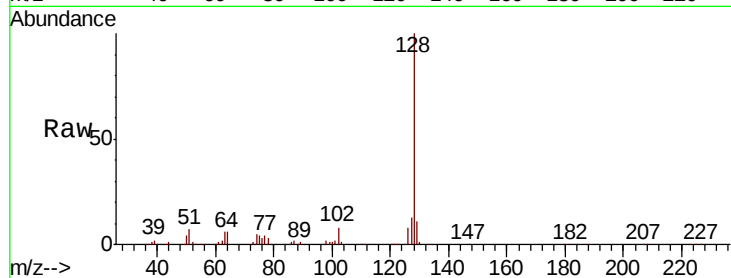
Tgt Ion:128 Resp: 333362

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

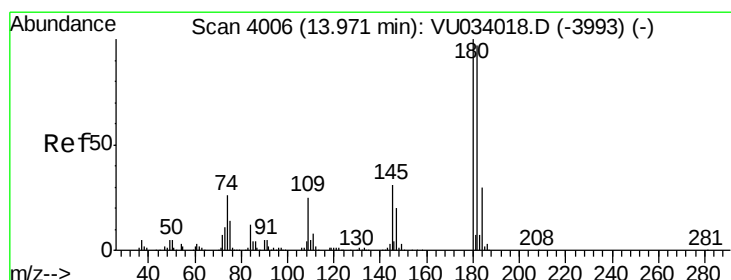
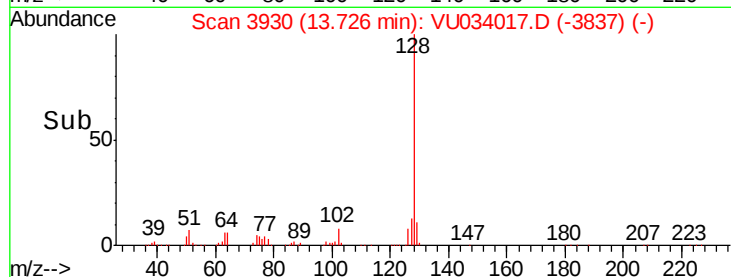
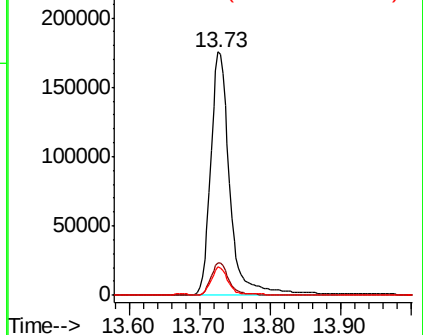
129 10.0 8.4 12.6



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: 19.121 ug/l

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU034017.D

Acq: 28 Aug 2019 12:26

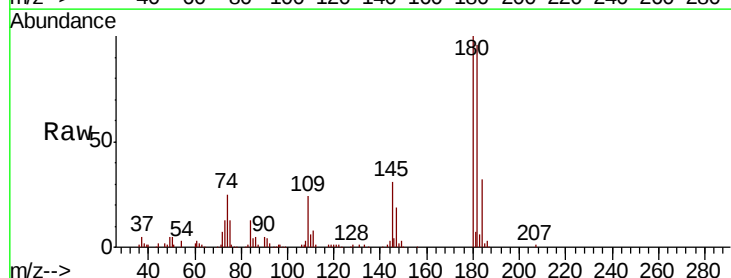
Tgt Ion:180 Resp: 124539

Ion Ratio Lower Upper

180 100

182 94.3 48.2 144.6

145 30.8 15.5 46.5



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

