

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
 Data File : VU034016.D
 Acq On : 28 Aug 2019 12:02
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 29 03:20:12 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	433338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	671913	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	637971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	320562	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	29869	5.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.86%	
35) Dibromofluoromethane	4.86	113	26754	5.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.68%	
50) Toluene-d8	7.55	98	82256	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
62) 4-Bromofluorobenzene	10.29	95	35249	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	19670	4.397	ug/l 98
3) Chloromethane	1.32	50	31671	5.596	ug/l 97
4) Vinyl Chloride	1.40	62	28230	5.973	ug/l 100
5) Bromomethane	1.60	94	17894	6.483	ug/l 97
6) Chloroethane	1.68	64	18545	6.597	ug/l 99
7) Trichlorofluoromethane	1.87	101	33029	5.498	ug/l 100
8) Diethyl Ether	2.09	74	13912	5.961	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.27	101	21895	5.763	ug/l 100
10) Methyl Iodide	2.39	142	26187	4.585	ug/l 100
11) Tert butyl alcohol	2.82	59	29425	22.886	ug/l 98
12) 1,1-Dichloroethene	2.27	96	21698	5.465	ug/l 99
13) Acrolein	2.18	56	15847	36.490	ug/l 100
14) Allyl chloride	2.58	41	40320	5.664	ug/l 98
15) Acrylonitrile	2.92	53	70654	26.689	ug/l 99
16) Acetone	2.31	43	75276	30.888	ug/l 100
17) Carbon Disulfide	2.46	76	68661	5.282	ug/l 99
18) Methyl Acetate	2.60	43	35187	5.880	ug/l 99
19) Methyl tert-butyl Ether	2.98	73	68823	5.171	ug/l 98
20) Methylene Chloride	2.68	84	27555	5.450	ug/l 99
21) trans-1,2-Dichloroethene	2.96	96	24240	5.400	ug/l 96
22) Diisopropyl ether	3.55	45	74721	5.704	ug/l # 82
23) Vinyl Acetate	3.50	43	304321	27.261	ug/l 100
24) 1,1-Dichloroethane	3.42	63	45616	5.639	ug/l 99
25) 2-Butanone	4.24	43	95873	27.409	ug/l 98
26) 2,2-Dichloropropane	4.20	77	36668	5.390	ug/l 98
27) cis-1,2-Dichloroethene	4.20	96	26506	5.265	ug/l 100
28) Bromochloromethane	4.52	49	22154	5.896	ug/l 99
29) Tetrahydrofuran	4.62	42	55909	25.656	ug/l 97
30) Chloroform	4.65	83	44972	5.467	ug/l 98
31) Cyclohexane	4.97	56	45868	6.128	ug/l # 84
32) 1,1,1-Trichloroethane	4.89	97	36513	5.302	ug/l 99
36) 1,1-Dichloropropene	5.11	75	31754	5.045	ug/l 98
37) Ethyl Acetate	4.37	43	33052	5.150	ug/l 99
38) Carbon Tetrachloride	5.11	117	31058	4.895	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
 Data File : VU034016.D
 Acq On : 28 Aug 2019 12:02
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 29 03:20:12 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)
39) Methylcyclohexane	6.40	83	36764	4.942	ug/l	95
40) Benzene	5.37	78	100842	5.382	ug/l	99
41) Methacrylonitrile	4.53	41	17026	5.094	ug/l	96
42) 1,2-Dichloroethane	5.38	62	34081	5.360	ug/l	97
43) Isopropyl Acetate	5.53	43	50169	5.084	ug/l	100
44) Trichloroethene	6.17	130	26488	5.039	ug/l	99
45) 1,2-Dichloropropane	6.41	63	27563	5.456	ug/l	100
46) Dibromomethane	6.54	93	17627	5.193	ug/l	97
47) Bromodichloromethane	6.74	83	34212	5.274	ug/l	95
48) Methyl methacrylate	6.61	41	23550	4.970	ug/l	97
49) 1,4-Dioxane	6.60	88	11945	95.349	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	178371	26.108	ug/l	99
52) Toluene	7.62	92	59738	5.064	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	35121	4.859	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	39791	5.115	ug/l	96
55) 1,1,2-Trichloroethane	8.05	97	25469	5.085	ug/l	97
56) Ethyl methacrylate	8.01	69	33777	4.732	ug/l	98
57) 1,3-Dichloropropane	8.23	76	42611	5.230	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	64035	24.391	ug/l	100
59) 2-Hexanone	8.35	43	135324	25.793	ug/l	94
60) Dibromochloromethane	8.46	129	26013	4.671	ug/l	99
61) 1,2-Dibromoethane	8.57	107	26598	5.060	ug/l	97
64) Tetrachloroethene	8.21	164	22939	4.549	ug/l	99
65) Chlorobenzene	9.10	112	68005	5.101	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	24586	4.991	ug/l	98
67) Ethyl Benzene	9.23	91	111835	5.005	ug/l	99
68) m/p-Xylenes	9.36	106	84822	9.873	ug/l	96
69) o-Xylene	9.76	106	40040	4.863	ug/l	98
70) Styrene	9.78	104	67086	4.758	ug/l	99
71) Bromoform	9.94	173	20590	4.722	ug/l #	98
73) Isopropylbenzene	10.15	105	106811	5.048	ug/l	100
74) N-amyl acetate	10.00	43	41235	5.070	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.44	83	43002	5.591	ug/l	98
76) 1,2,3-Trichloropropane	10.21	75	11298	1.714	ug/l	96
77) Bromobenzene	10.44	156	29439	4.969	ug/l	97
78) n-propylbenzene	10.57	91	121696	5.051	ug/l	99
79) 2-Chlorotoluene	10.64	91	76367	5.248	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	90939	5.024	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.48	75	46521	20.982	ug/l #	100
82) 4-Chlorotoluene	10.76	91	86417	5.144	ug/l	99
83) tert-Butylbenzene	11.08	119	87244	4.947	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	87805	4.929	ug/l	99
85) sec-Butylbenzene	11.31	105	109055	5.187	ug/l	97
86) p-Isopropyltoluene	11.46	119	94531	4.830	ug/l	97
87) 1,3-Dichlorobenzene	11.40	146	52496	5.000	ug/l	98
88) 1,4-Dichlorobenzene	11.49	146	52537	4.962	ug/l	95
89) n-Butylbenzene	11.87	91	77766	4.704	ug/l	99
90) Hexachloroethane	12.13	117	16466	5.068	ug/l	96
91) 1,2-Dichlorobenzene	11.86	146	49885	4.837	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	7051	4.624	ug/l	99

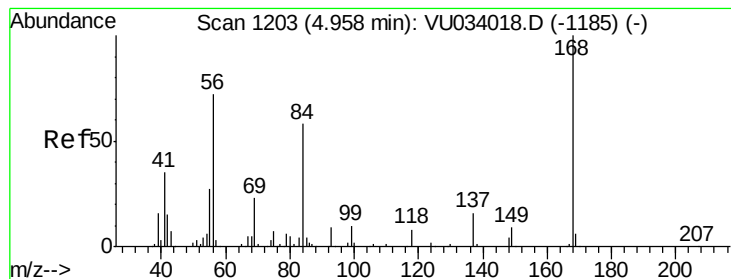
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
Data File : VU034016.D
Acq On : 28 Aug 2019 12:02
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Quant Time: Aug 29 03:20:12 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)
93) 1,2,4-Trichlorobenzene	13.49	180	23878	3.782	ug/l	95
94) Hexachlorobutadiene	13.68	225	19712	4.710	ug/l	98
95) Naphthalene	13.73	128	60983	3.643	ug/l	98
96) 1,2,3-Trichlorobenzene	13.98	180	26218	4.020	ug/l	96

(#) = 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: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

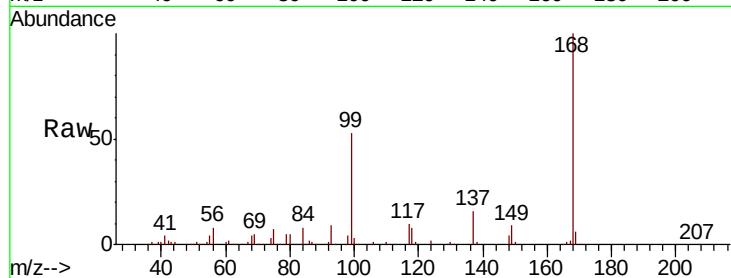
VSTDIC005

Tgt Ion:168 Resp: 433338

Ion Ratio Lower Upper

168 100

99 52.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

150000

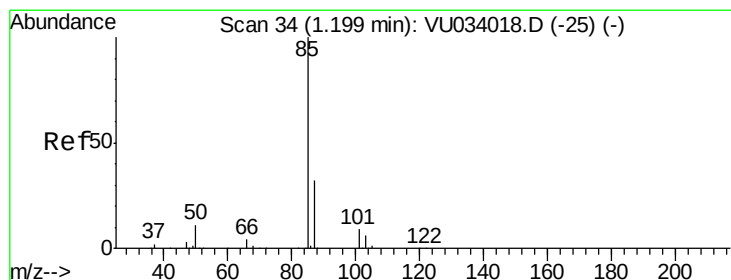
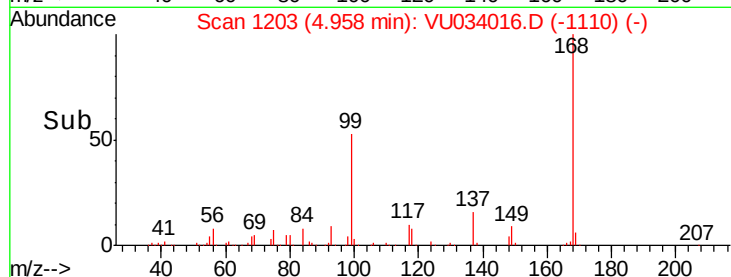
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 4.397 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034016.D

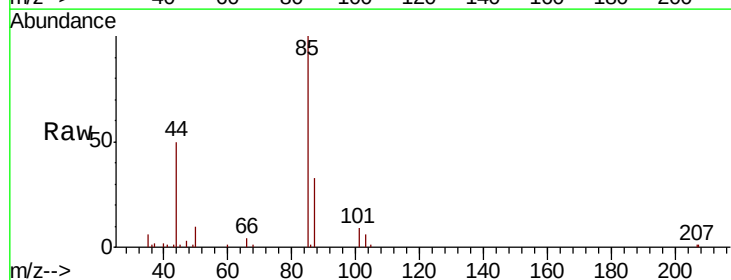
Acq: 28 Aug 2019 12:02

Tgt Ion: 85 Resp: 19670

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)

Ion 86.90 (86.60 to 87.60): VU034018.D (-25) (-)

1.20

20000

15000

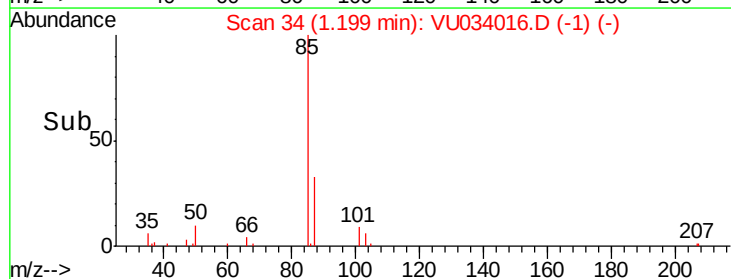
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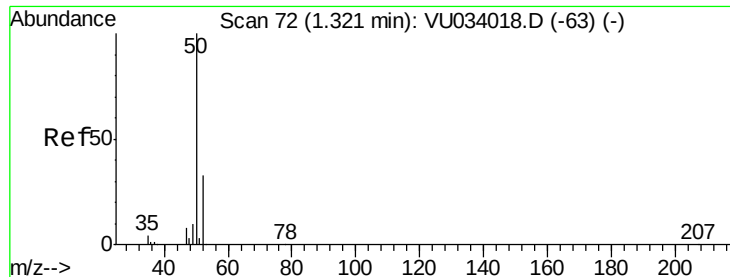
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 5.596 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

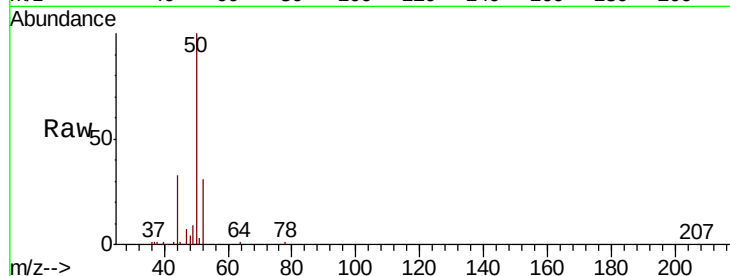
VSTDIC005

Tgt Ion: 50 Resp: 31671

Ion Ratio Lower Upper

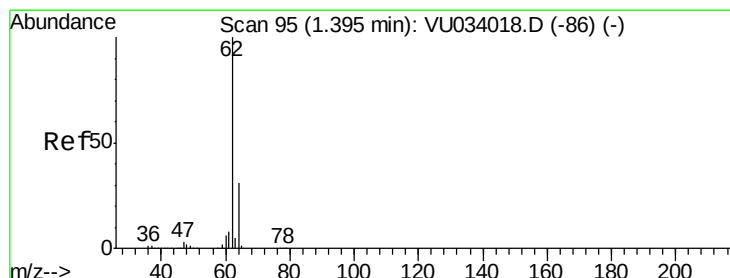
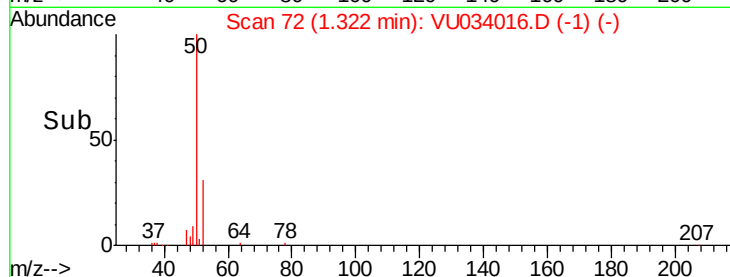
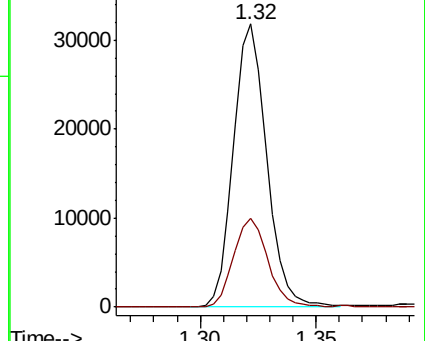
50 100

52 31.2 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034018.D (-63) (-)



#4

Vinyl Chloride

Concen: 5.973 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034016.D

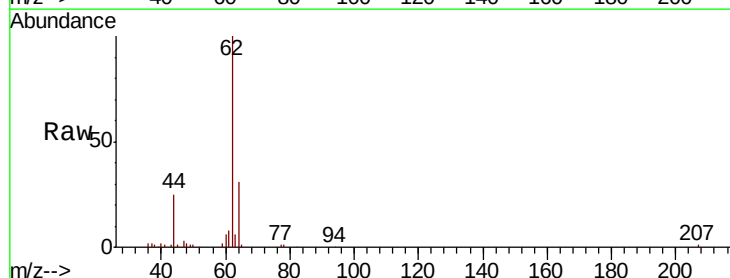
Acq: 28 Aug 2019 12:02

Tgt Ion: 62 Resp: 28230

Ion Ratio Lower Upper

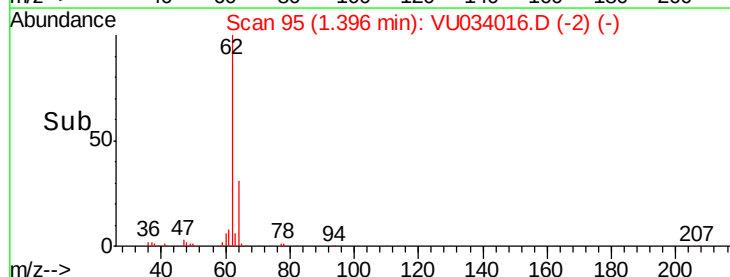
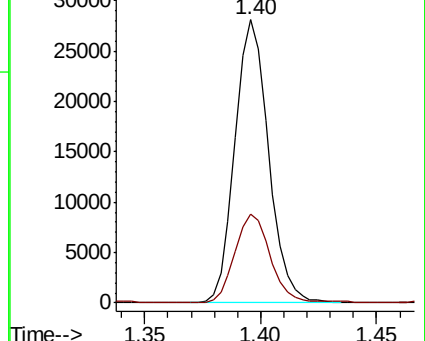
62 100

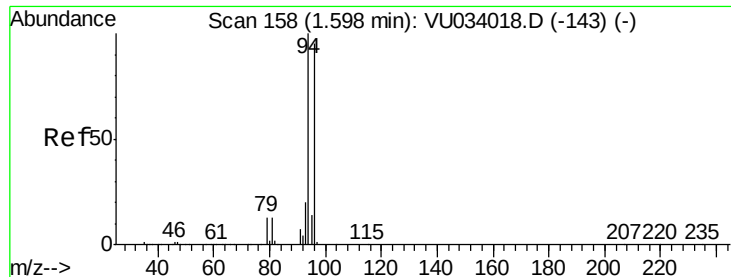
64 31.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU034018.D (-86) (-)

Ion 63.90 (63.60 to 64.60): VU034018.D (-86) (-)





#5

Bromomethane

Concen: 6.483 ug/l

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

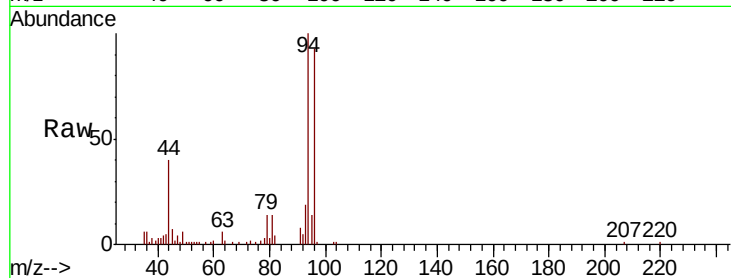
VSTDIC005

Tgt Ion: 94 Resp: 17894

Ion Ratio Lower Upper

94 100

96 92.5 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU034016.D (-158) (-)

Ion 95.90 (95.60 to 96.60): VU034016.D (-158) (-)

1.60

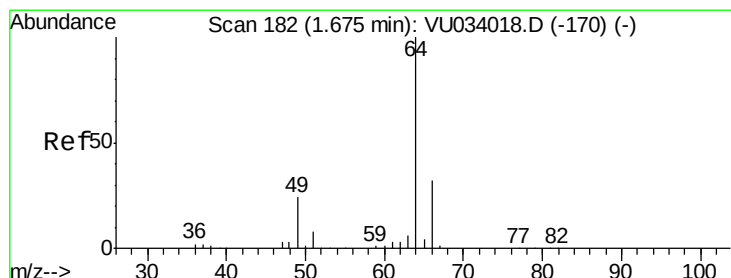
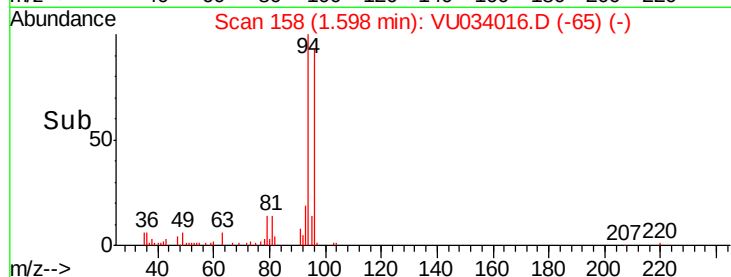
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 6.597 ug/l

RT: 1.68 min Scan# 182

Delta R.T. 0.00 min

Lab File: VU034016.D

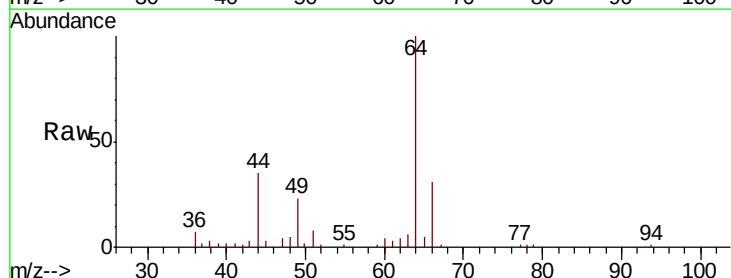
Acq: 28 Aug 2019 12:02

Tgt Ion: 64 Resp: 18545

Ion Ratio Lower Upper

64 100

66 31.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034016.D (-182) (-)

Ion 65.90 (65.60 to 66.60): VU034016.D (-182) (-)

1.68

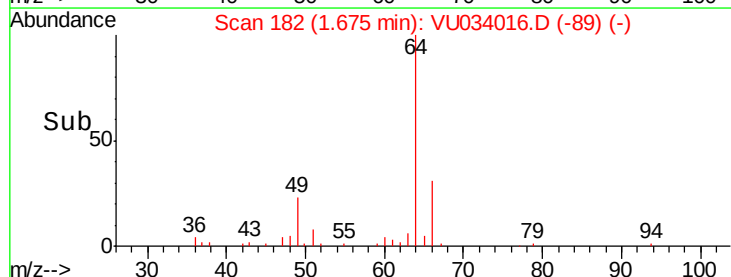
15000

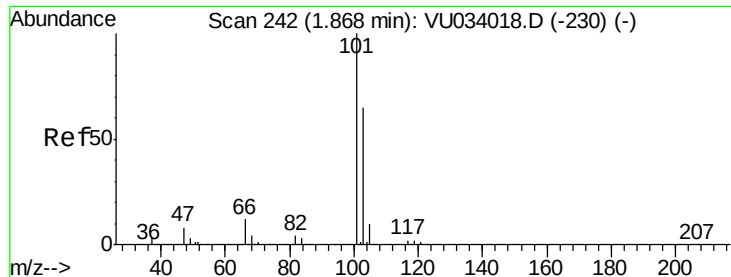
10000

5000

0

Time-->





#7

Trichlorofluoromethane

Concen: 5.498 ug/l

RT: 1.87 min Scan# 242

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

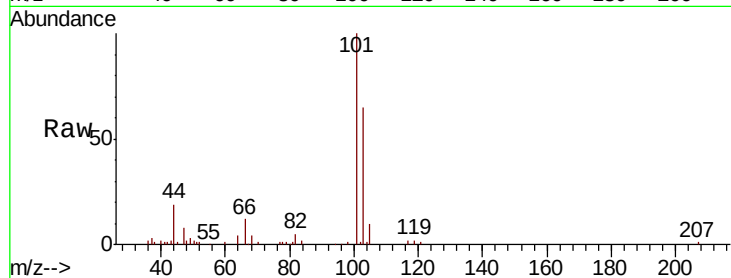
VSTDIC005

Tgt Ion:101 Resp: 33029

Ion Ratio Lower Upper

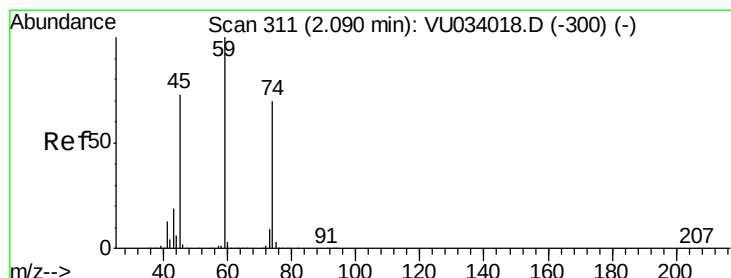
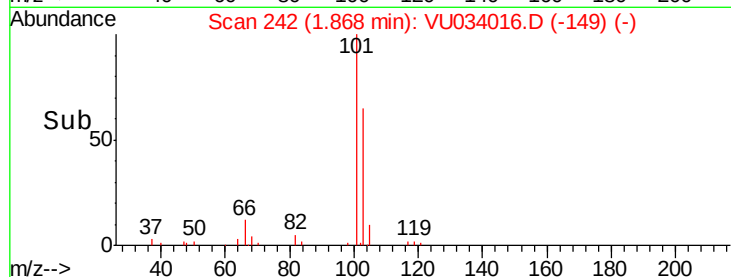
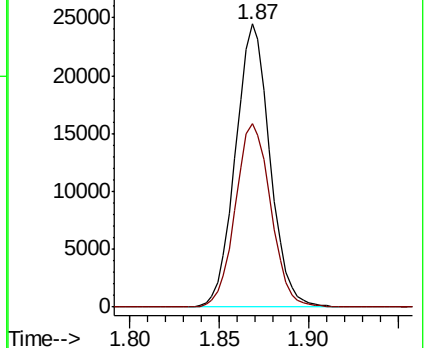
101 100

103 64.9 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.961 ug/l

RT: 2.09 min Scan# 311

Delta R.T. 0.00 min

Lab File: VU034016.D

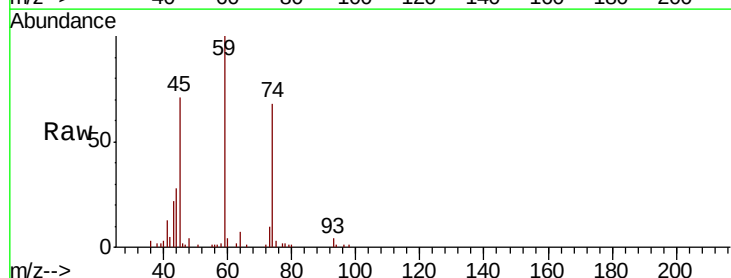
Acq: 28 Aug 2019 12:02

Tgt Ion: 74 Resp: 13912

Ion Ratio Lower Upper

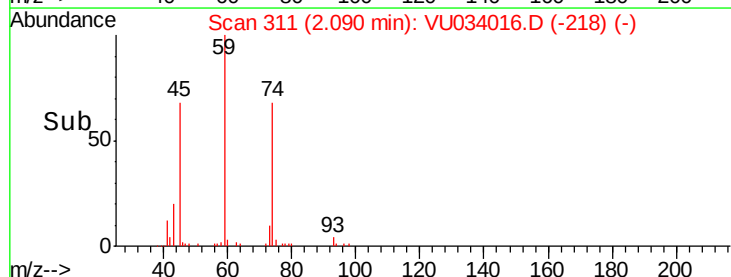
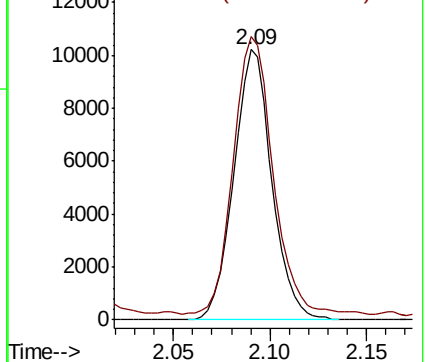
74 100

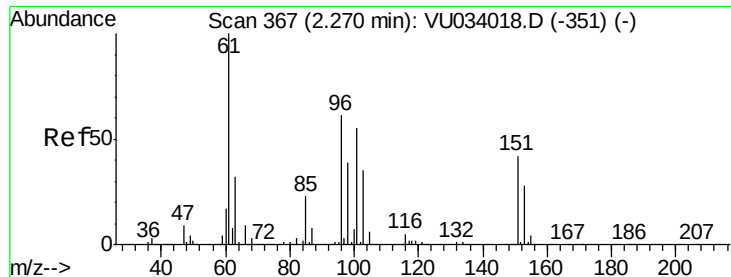
45 107.5 51.8 155.5



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.763 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

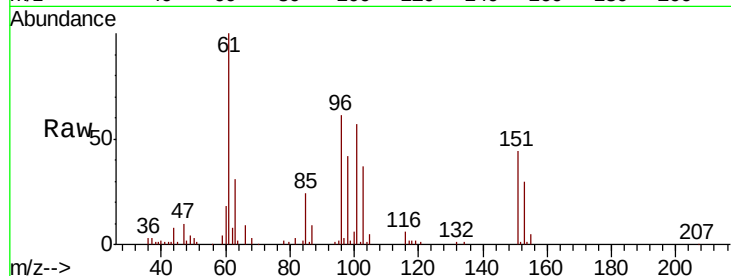
Tgt Ion:101 Resp: 21895

Ion Ratio Lower Upper

101 100

85 43.5 34.2 51.2

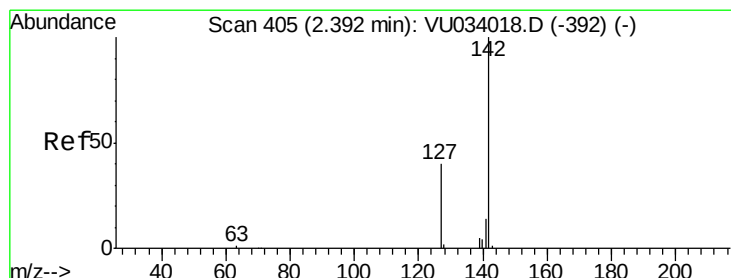
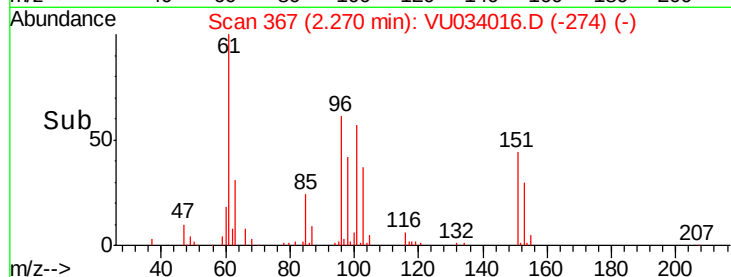
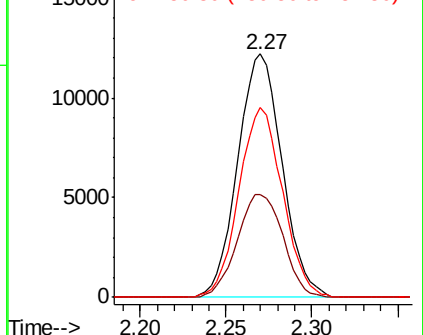
151 76.8 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.585 ug/l

RT: 2.39 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

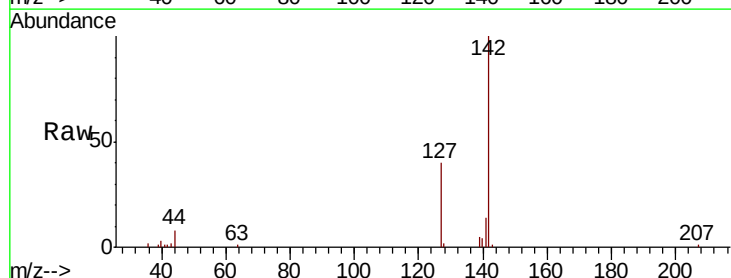
Tgt Ion:142 Resp: 26187

Ion Ratio Lower Upper

142 100

127 40.5 32.6 48.8

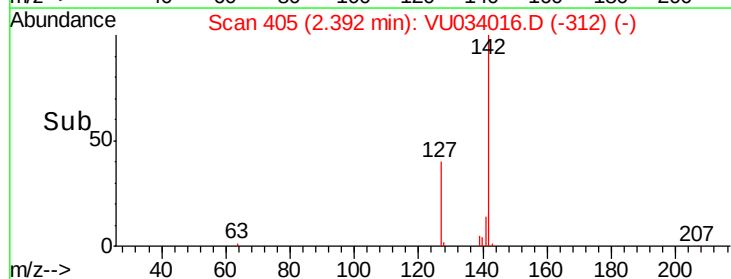
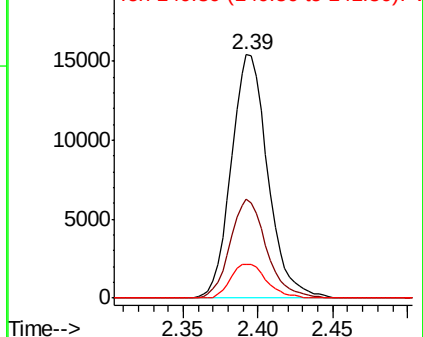
141 13.7 11.3 16.9

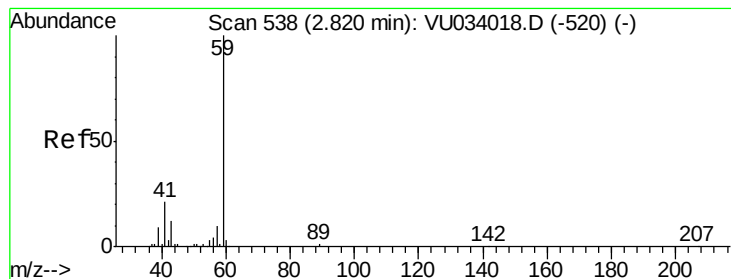


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 22.886 ug/l

RT: 2.82 min Scan# 537

Delta R.T. -0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

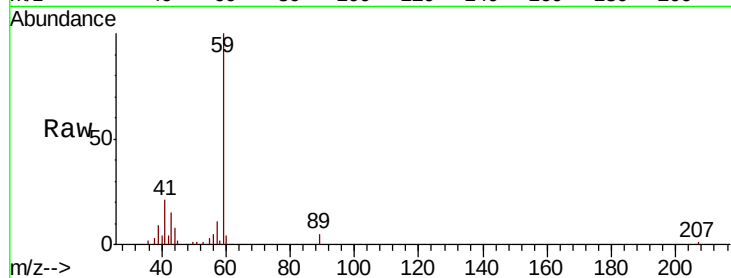
VSTDIC005

Tgt Ion: 59 Resp: 29425

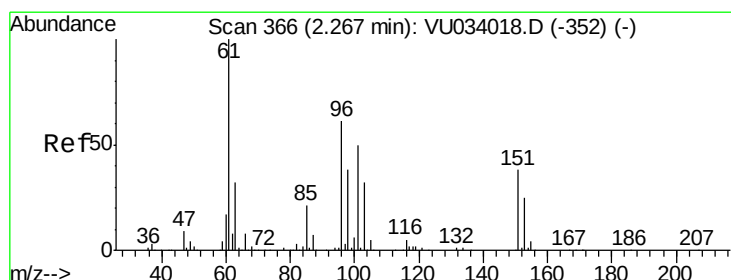
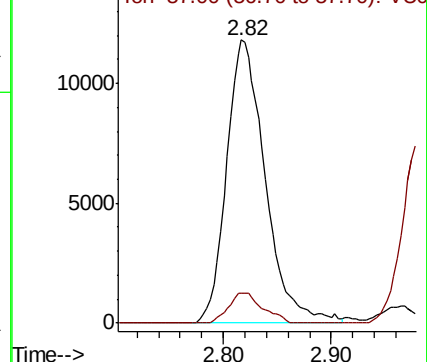
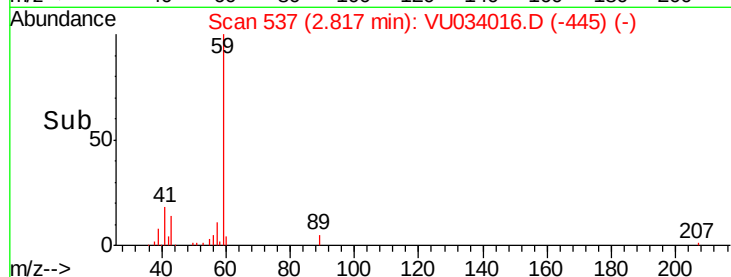
Ion Ratio Lower Upper

59 100

57 9.4 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VU034016.D (-445) (-)



#12

1,1-Dichloroethene

Concen: 5.465 ug/l

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

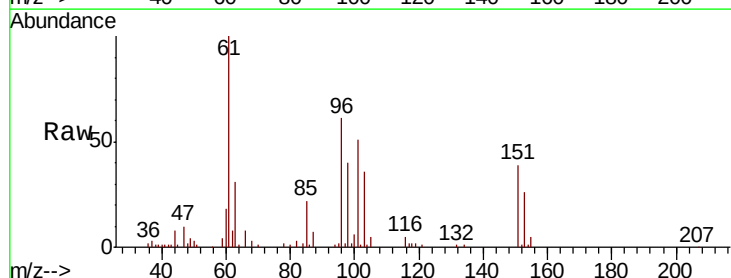
Tgt Ion: 96 Resp: 21698

Ion Ratio Lower Upper

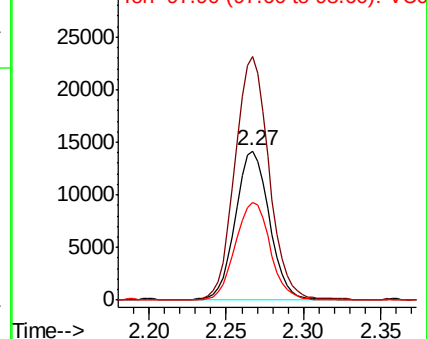
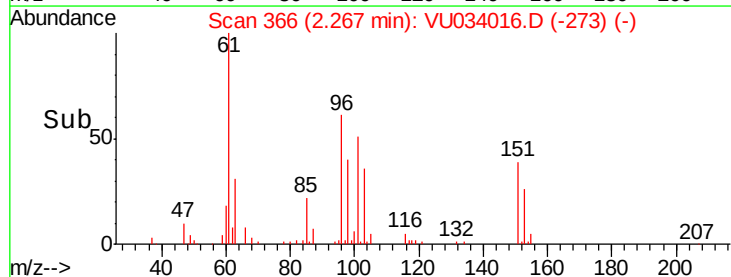
96 100

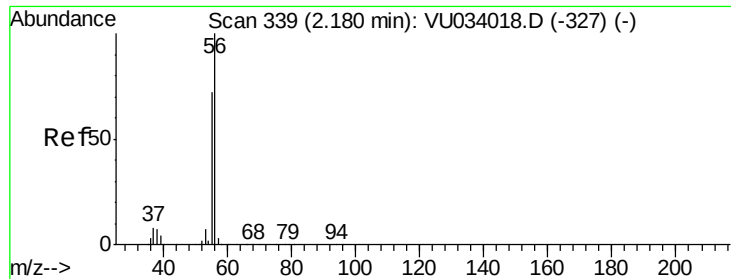
61 163.0 131.3 196.9

98 65.3 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VU034016.D (-273) (-)





#13

Acrolein

Concen: 36.490 ug/l

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

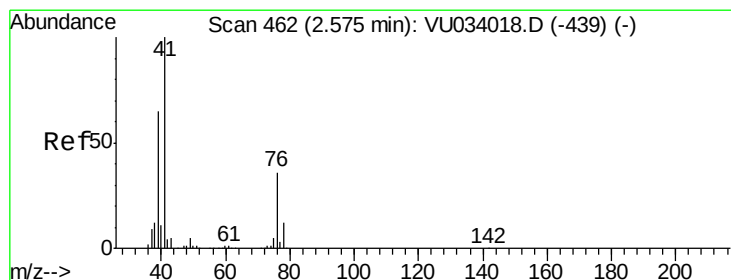
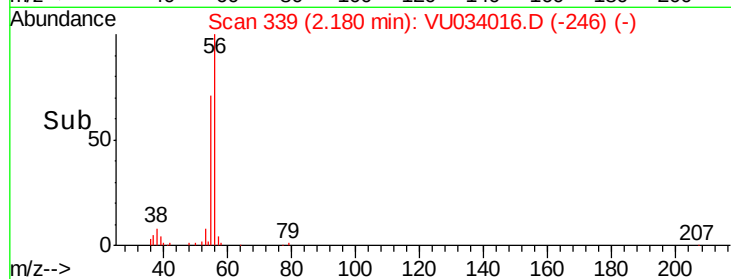
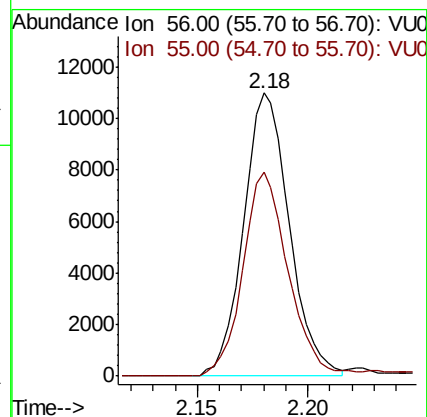
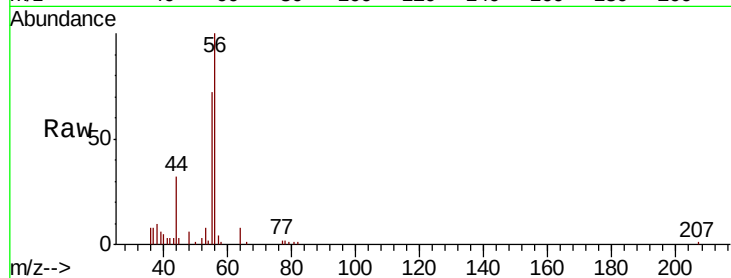
VSTDIC005

Tgt Ion: 56 Resp: 15847

Ion Ratio Lower Upper

56 100

55 71.4 57.1 85.7



#14

Allyl chloride

Concen: 5.664 ug/l

RT: 2.58 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

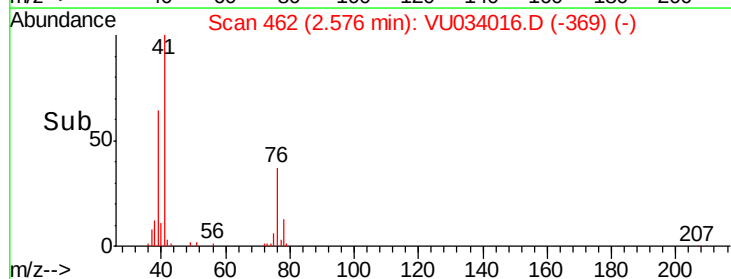
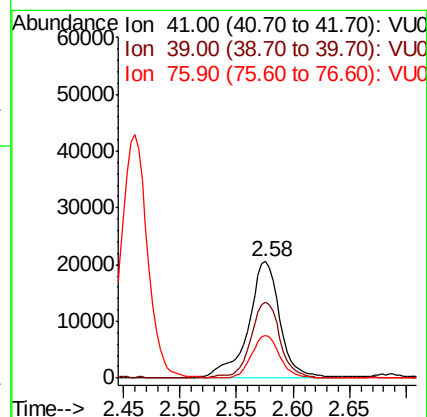
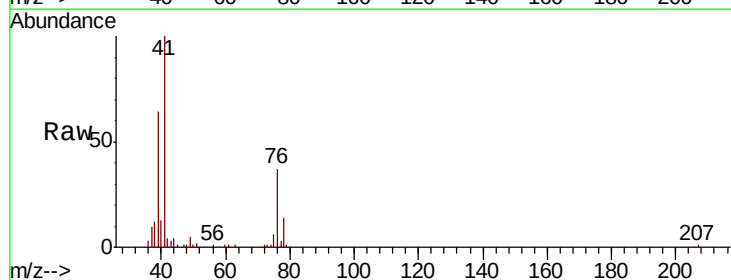
Tgt Ion: 41 Resp: 40320

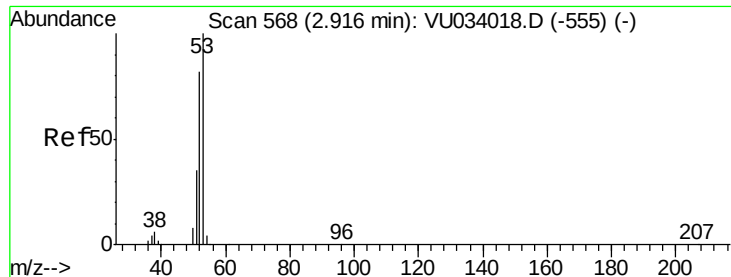
Ion Ratio Lower Upper

41 100

39 60.3 46.8 70.2

76 32.2 26.6 40.0





#15

Acrylonitrile

Concen: 26.689 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

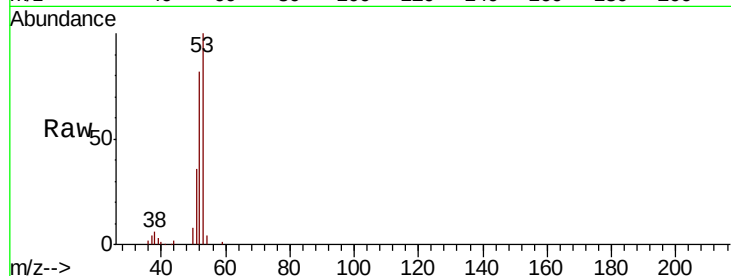
Tgt Ion: 53 Resp: 70654

Ion Ratio Lower Upper

53 100

52 81.2 65.7 98.5

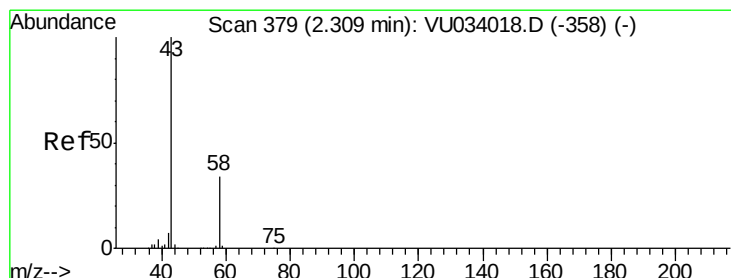
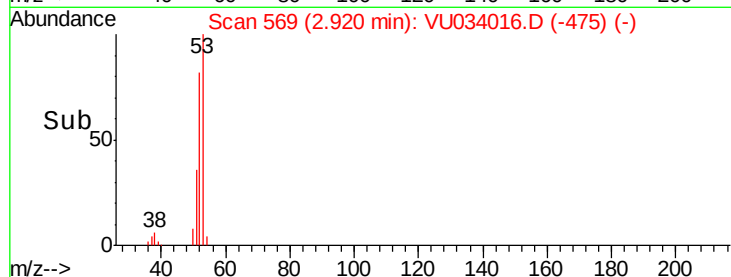
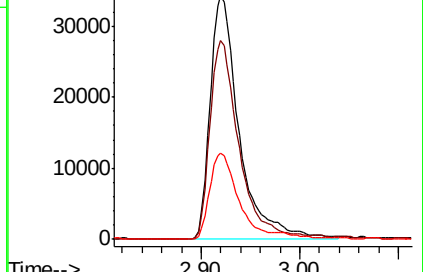
51 34.2 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VU034016.D (-555) (-)

Ion 52.00 (51.70 to 52.70): VU034016.D (-555) (-)

Ion 51.00 (50.70 to 51.70): VU034016.D (-555) (-)



#16

Acetone

Concen: 30.888 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034016.D

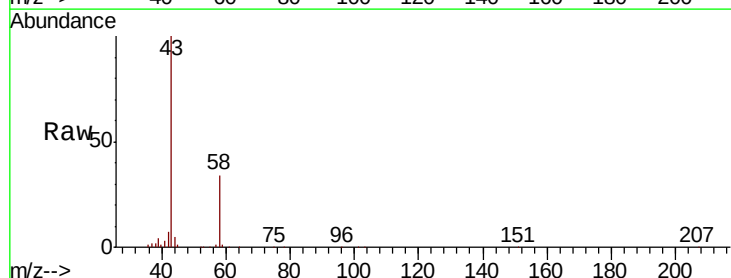
Acq: 28 Aug 2019 12:02

Tgt Ion: 43 Resp: 75276

Ion Ratio Lower Upper

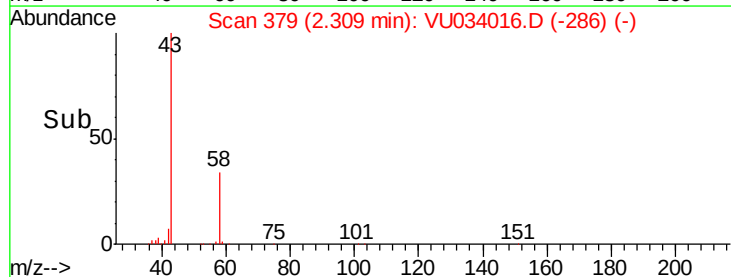
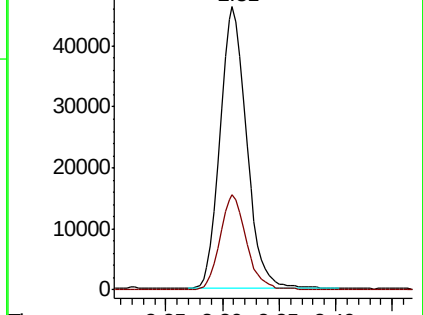
43 100

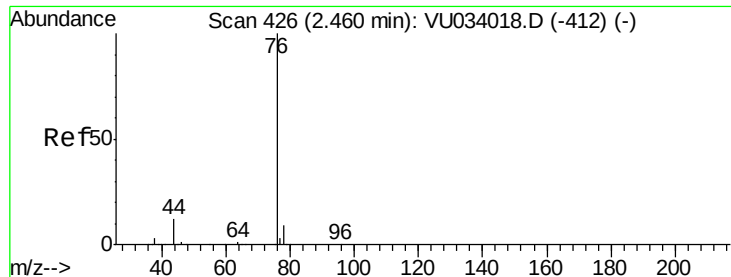
58 33.7 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034016.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034016.D (-358) (-)





#17

Carbon Disulfide

Concen: 5.282 ug/l

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

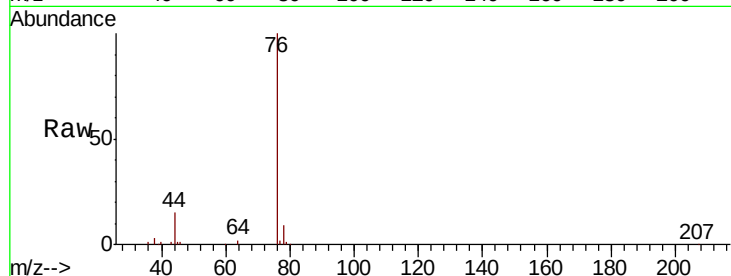
VSTDIC005

Tgt Ion: 76 Resp: 68661

Ion Ratio Lower Upper

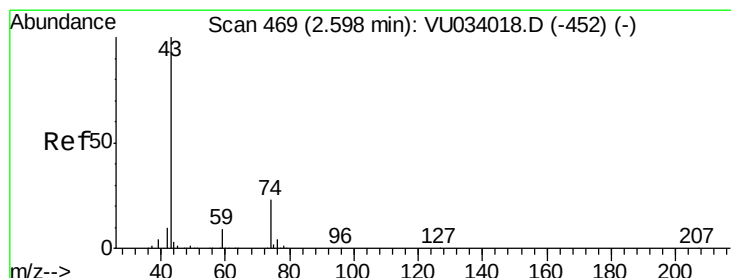
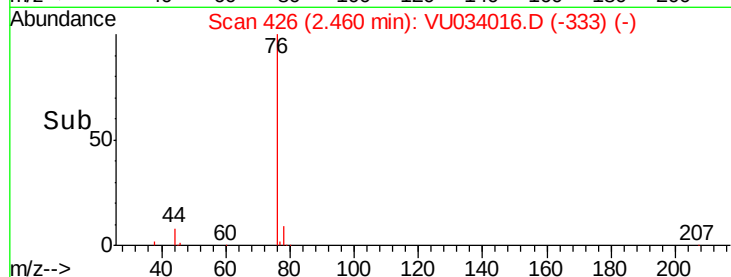
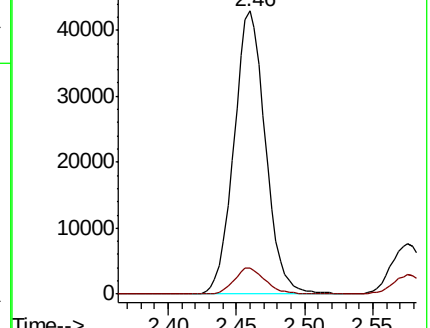
76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU034016.D (-333) (-)

Ion 77.90 (77.60 to 78.60): VU034016.D (-333) (-)



#18

Methyl Acetate

Concen: 5.880 ug/l

RT: 2.60 min Scan# 470

Delta R.T. 0.00 min

Lab File: VU034016.D

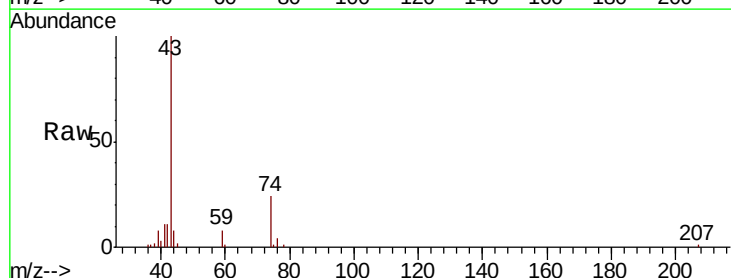
Acq: 28 Aug 2019 12:02

Tgt Ion: 43 Resp: 35187

Ion Ratio Lower Upper

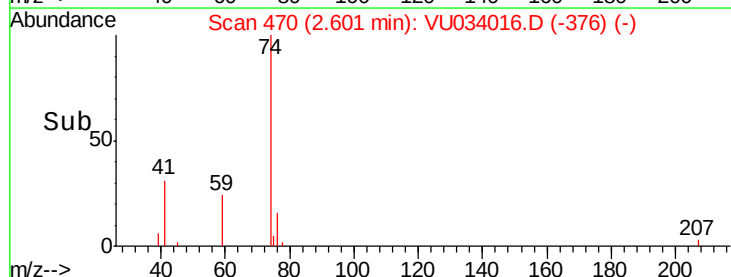
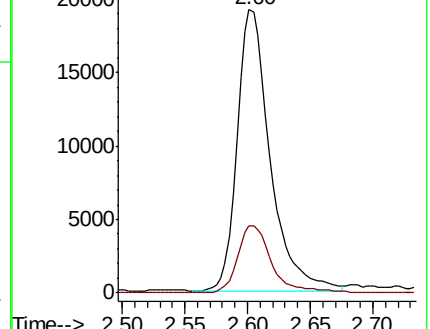
43 100

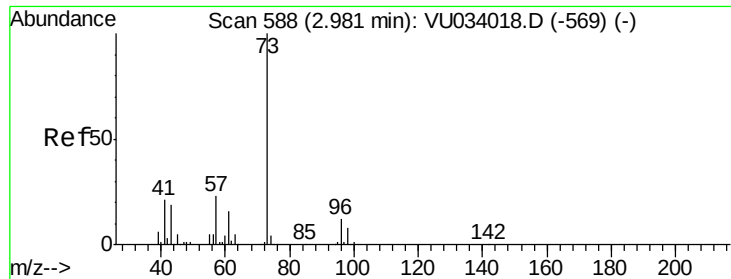
74 24.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VU034016.D (-376) (-)

Ion 74.00 (73.70 to 74.70): VU034016.D (-376) (-)

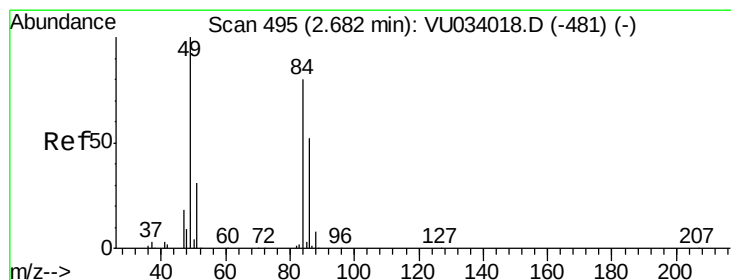
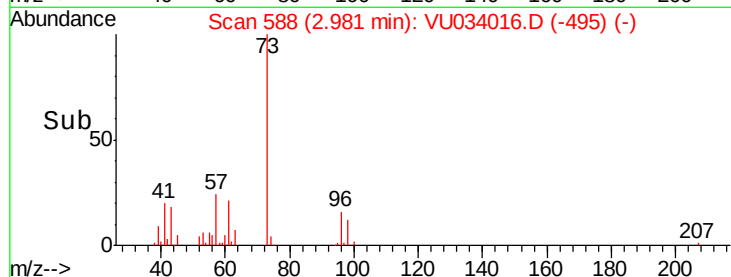
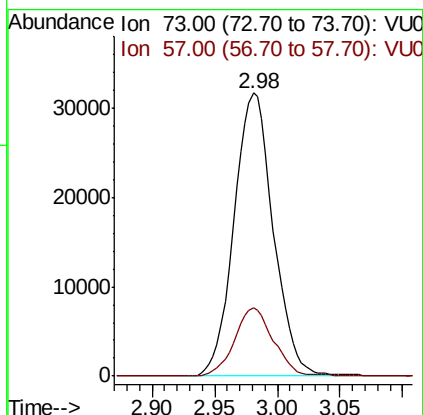
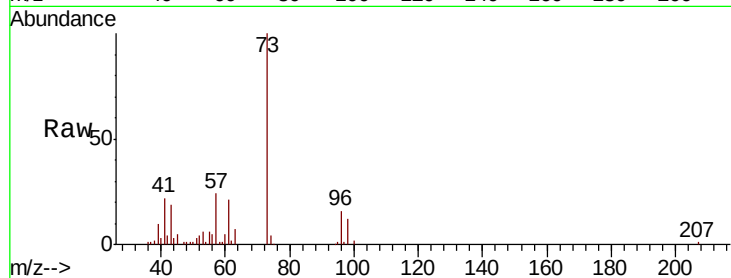




#19
Methyl tert-butyl Ether
Concen: 5.171 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

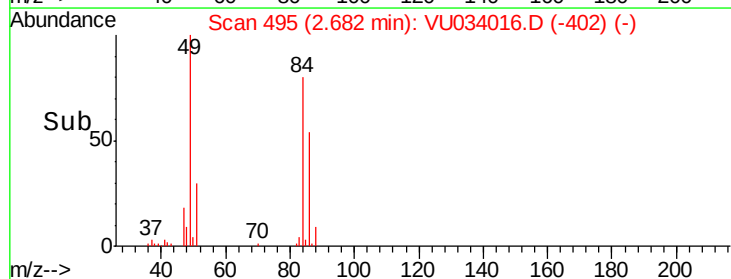
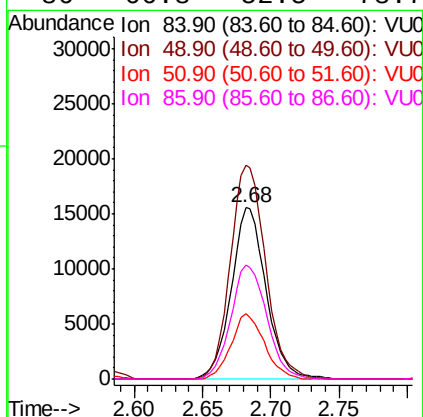
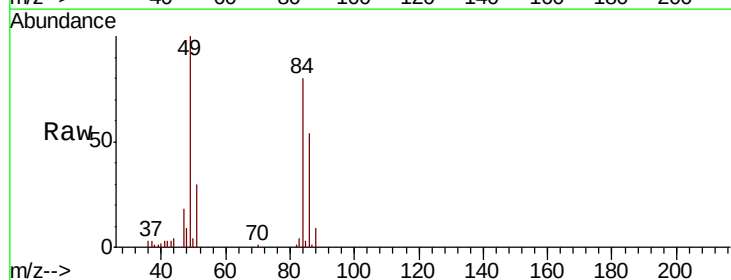
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

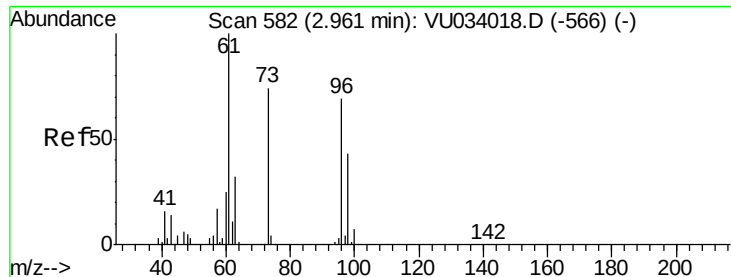
Tgt Ion: 73 Resp: 68823
Ion Ratio Lower Upper
73 100
57 23.9 18.3 27.5



#20
Methylene Chloride
Concen: 5.450 ug/l
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

Tgt Ion: 84 Resp: 27555
Ion Ratio Lower Upper
84 100
49 124.9 100.2 150.4
51 38.0 30.8 46.2
86 66.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 5.400 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

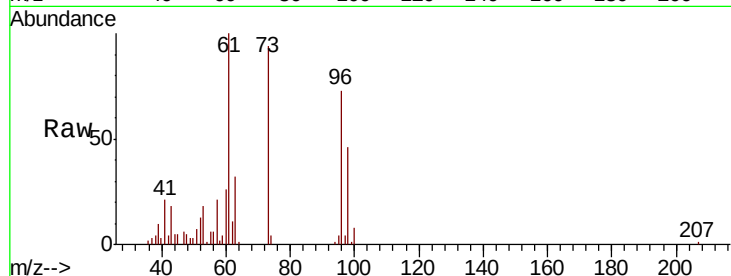
Tgt Ion: 96 Resp: 24240

Ion Ratio Lower Upper

96 100

61 137.1 115.5 173.3

98 62.8 50.1 75.1

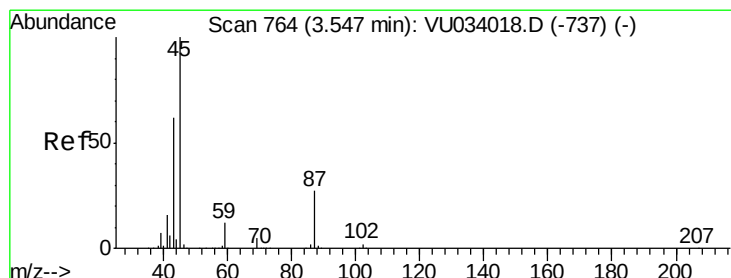
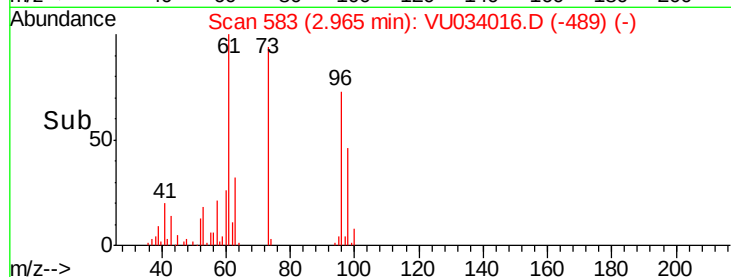
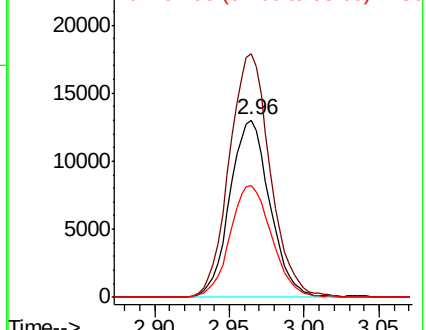


Abundance

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: 5.704 ug/l

RT: 3.55 min Scan# 764

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Tgt Ion: 45 Resp: 74721

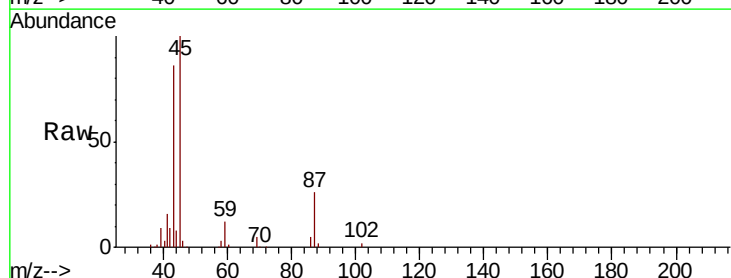
Ion Ratio Lower Upper

45 100

43 83.6 49.7 74.5#

87 26.3 21.8 32.8

59 12.1 9.3 13.9



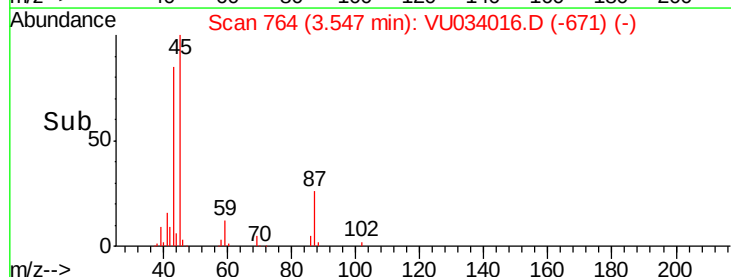
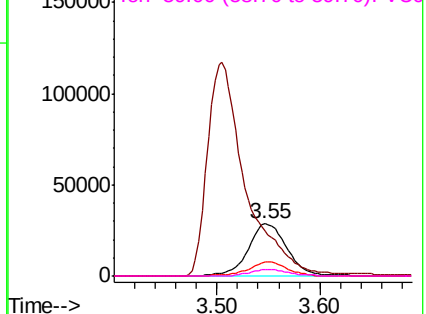
Abundance

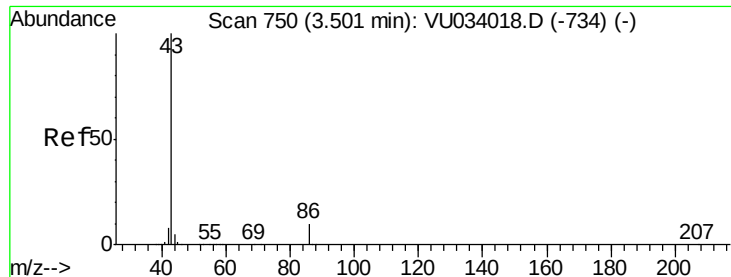
Ion 45.00 (44.70 to 45.70): VU0

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

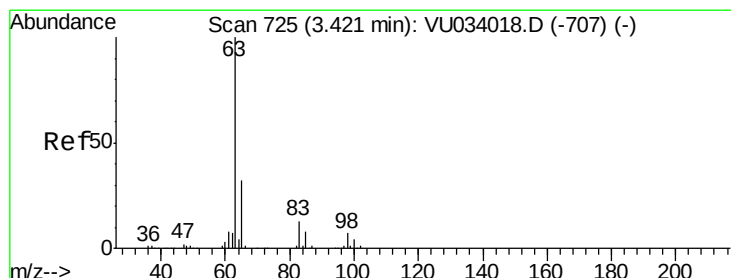
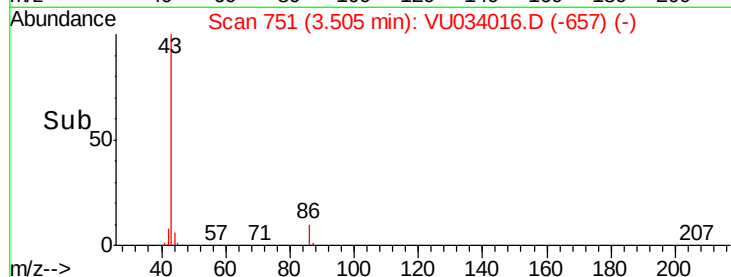
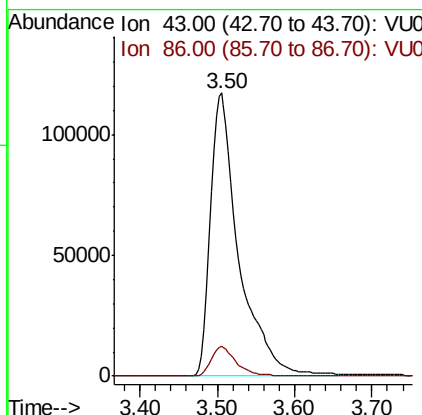
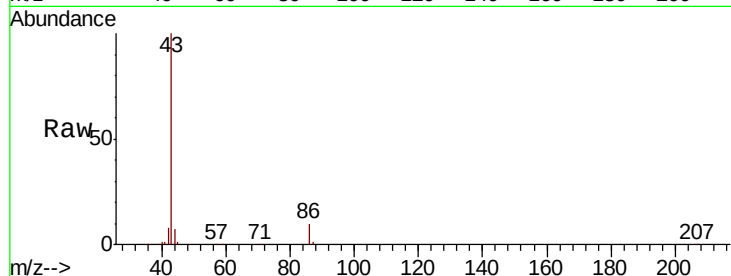




#23
 Vinyl Acetate
 Concen: 27.261 ug/l
 RT: 3.50 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

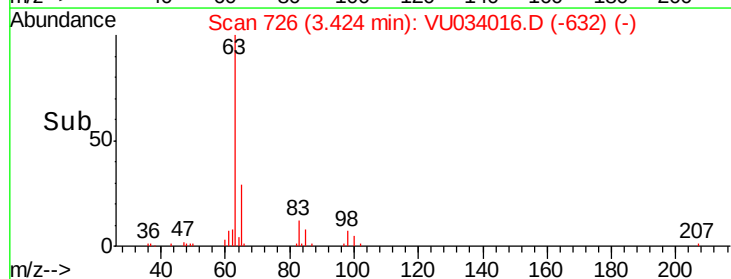
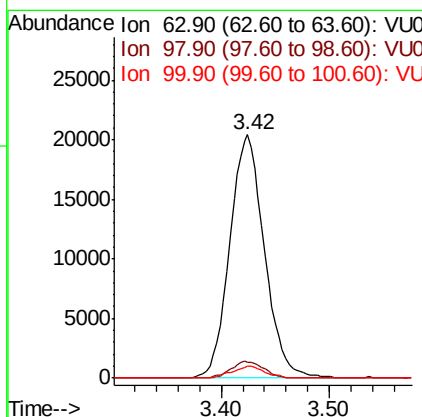
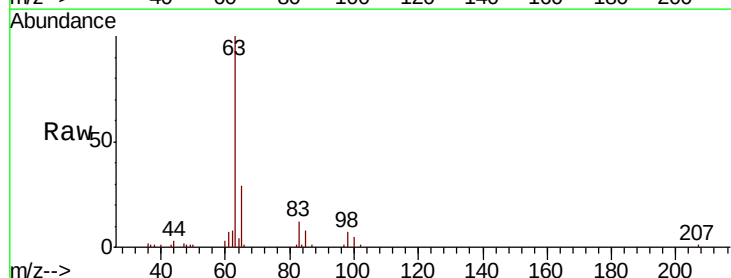
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

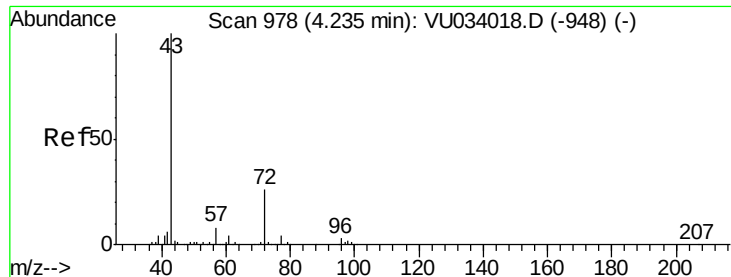
Tgt Ion: 43 Resp: 304321
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 5.639 ug/l
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

Tgt Ion: 63 Resp: 45616
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.8 2.0 6.0





#25

2-Butanone

Concen: 27.409 ug/l

RT: 4.24 min Scan# 981

Delta R.T. 0.01 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

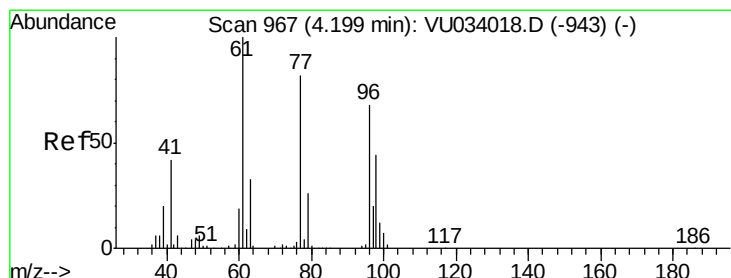
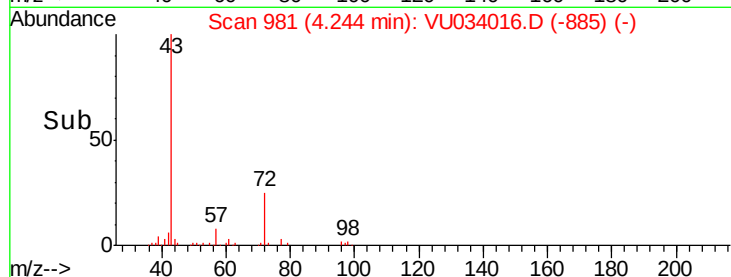
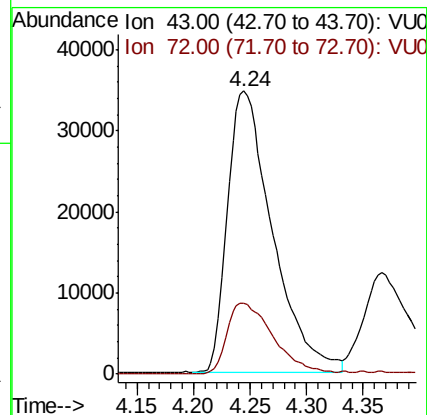
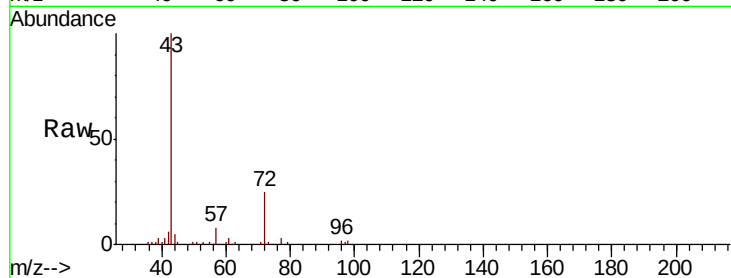
VSTDIC005

Tgt Ion: 43 Resp: 95873

Ion Ratio Lower Upper

43 100

72 25.4 21.2 31.8



#26

2,2-Dichloropropane

Concen: 5.390 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034016.D

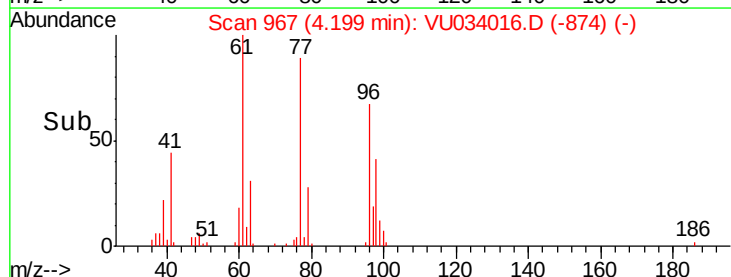
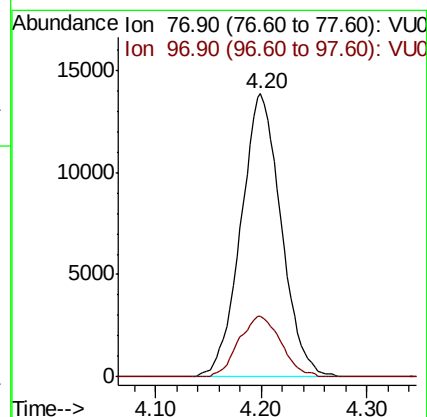
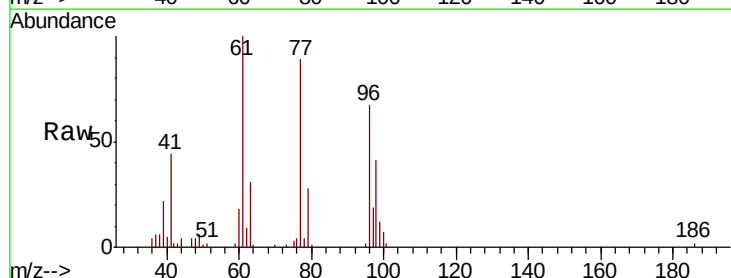
Acq: 28 Aug 2019 12:02

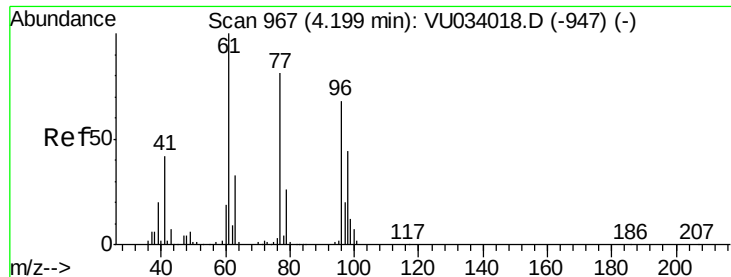
Tgt Ion: 77 Resp: 36668

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 5.265 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

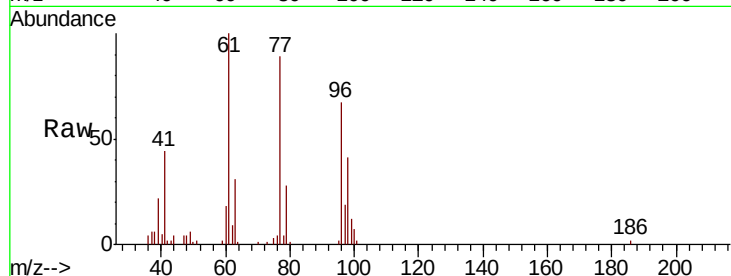
Tgt Ion: 96 Resp: 26506

Ion Ratio Lower Upper

96 100

61 151.3 0.0 303.0

98 65.1 0.0 129.2

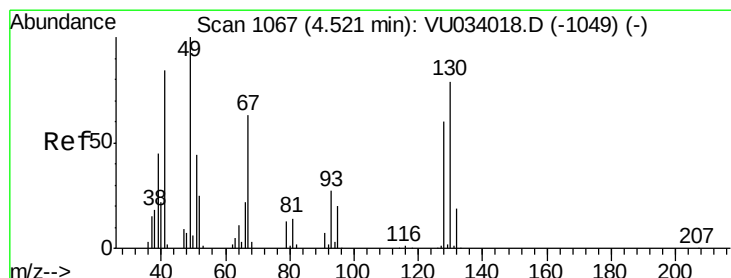
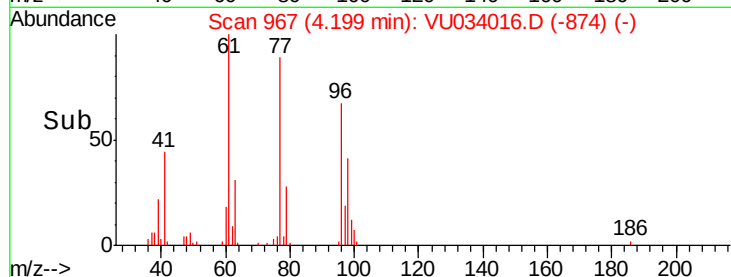
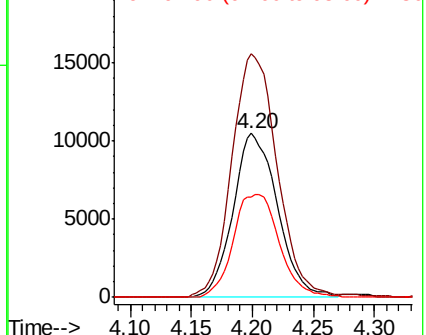


Abundance

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: 5.896 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

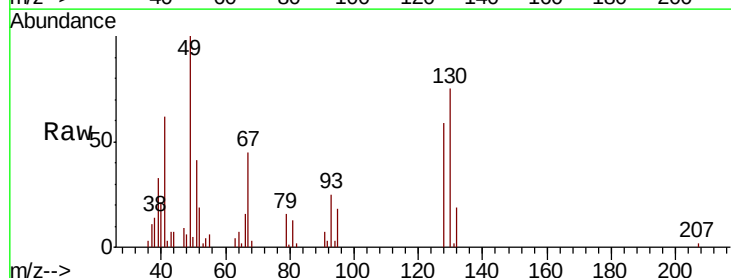
Tgt Ion: 49 Resp: 22154

Ion Ratio Lower Upper

49 100

129 0.6 0.0 3.6

130 77.3 62.8 94.2

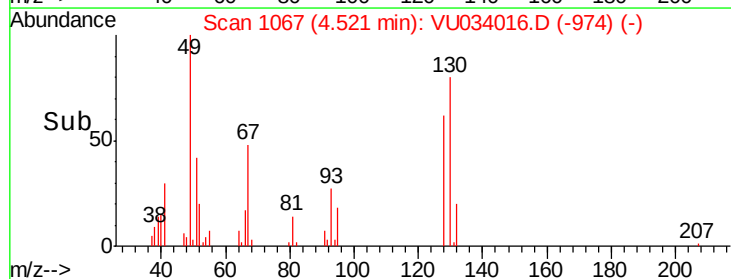
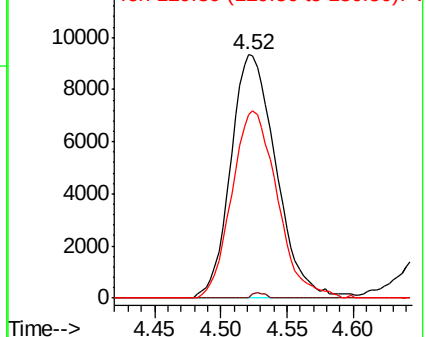


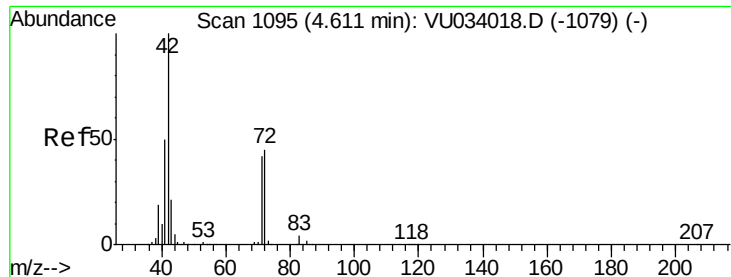
Abundance

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: 25.656 ug/l

RT: 4.62 min Scan# 1097

Delta R.T. 0.01 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

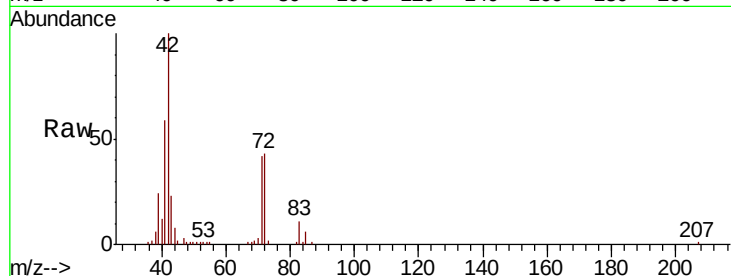
Tgt Ion: 42 Resp: 55909

Ion Ratio Lower Upper

42 100

72 46.3 35.8 53.6

71 44.7 34.0 51.0

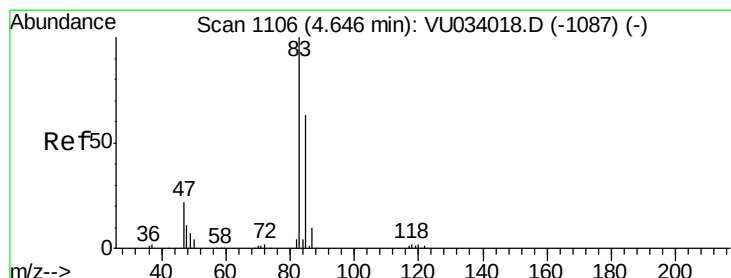
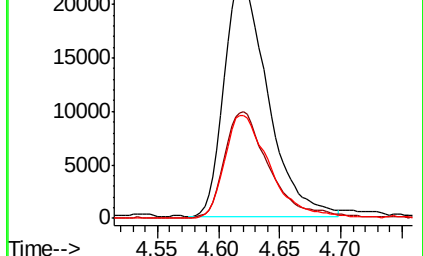
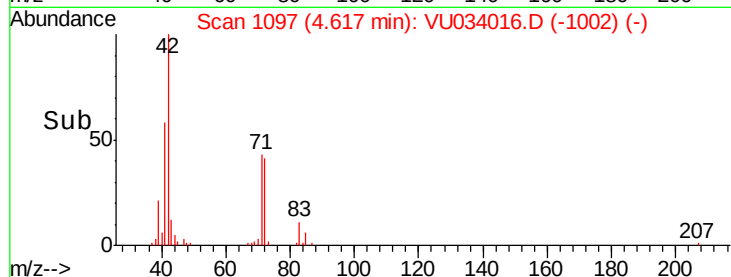


Abundance Ion 42.00 (41.70 to 42.70): VU034016.D (-1095) (-)

Ion 72.00 (71.70 to 72.70): VU034016.D (-1095) (-)

Ion 71.00 (70.70 to 71.70): VU034016.D (-1095) (-)

Time-->



#30

Chloroform

Concen: 5.467 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU034016.D

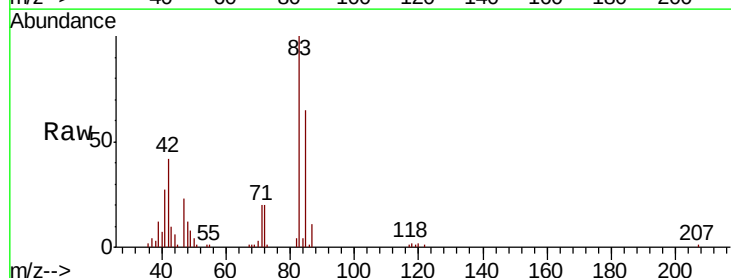
Acq: 28 Aug 2019 12:02

Tgt Ion: 83 Resp: 44972

Ion Ratio Lower Upper

83 100

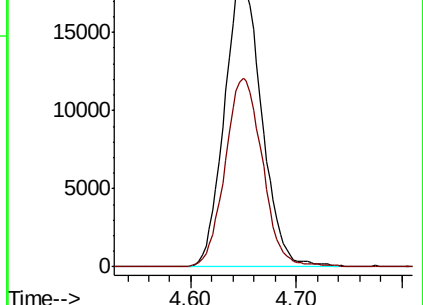
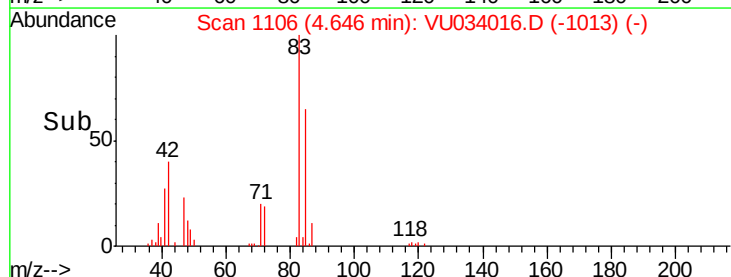
85 65.2 50.7 76.1

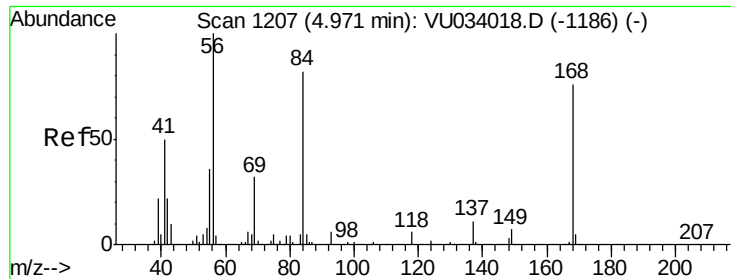


Abundance Ion 82.90 (82.60 to 83.60): VU034016.D (-1106) (-)

Ion 84.90 (84.60 to 85.60): VU034016.D (-1106) (-)

Time-->

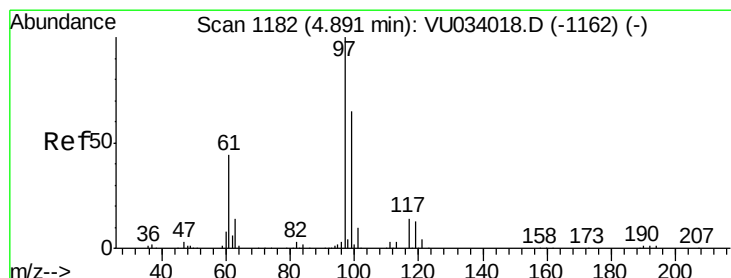
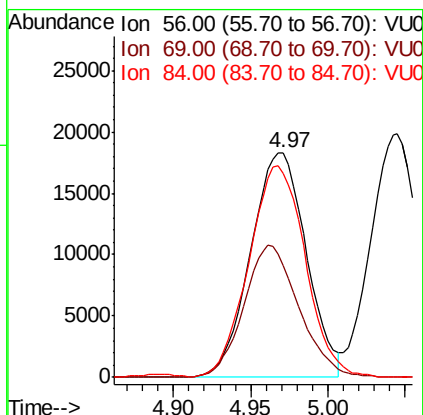
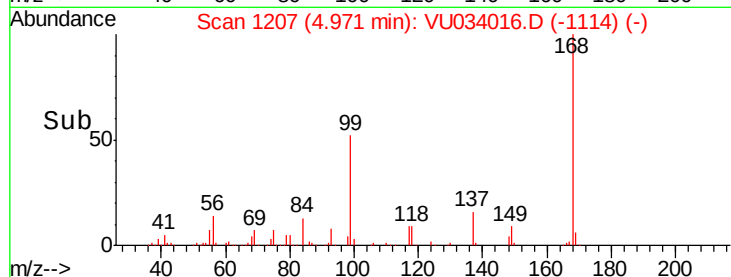
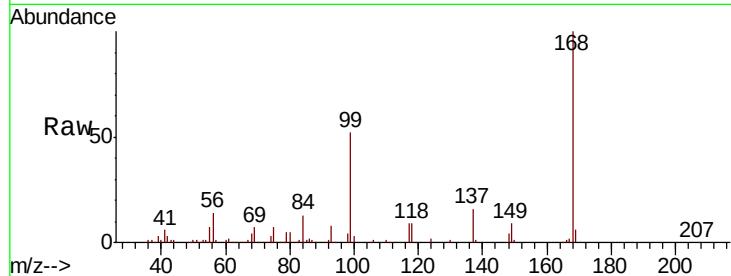




#31
Cyclohexane
Concen: 6.128 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

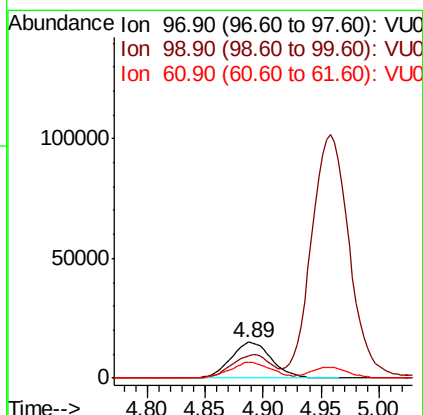
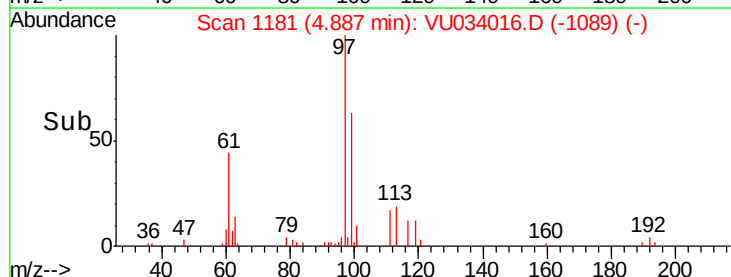
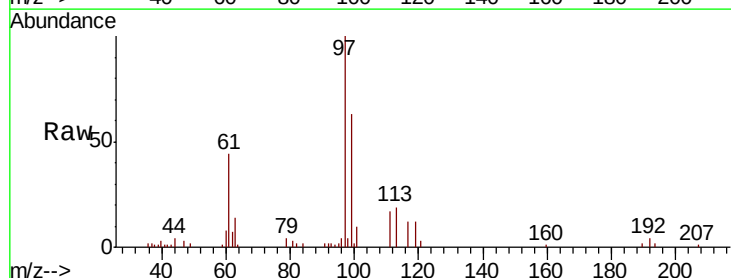
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

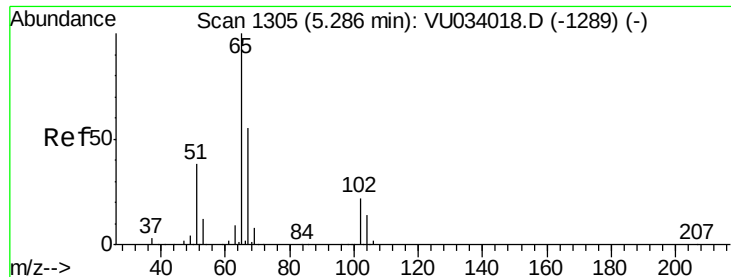
Tgt Ion: 56 Resp: 45868
Ion Ratio Lower Upper
56 100
69 49.6 25.4 38.0#
84 90.6 65.8 98.8



#32
1,1,1-Trichloroethane
Concen: 5.302 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

Tgt Ion: 97 Resp: 36513
Ion Ratio Lower Upper
97 100
99 63.2 51.8 77.6
61 44.3 35.3 52.9

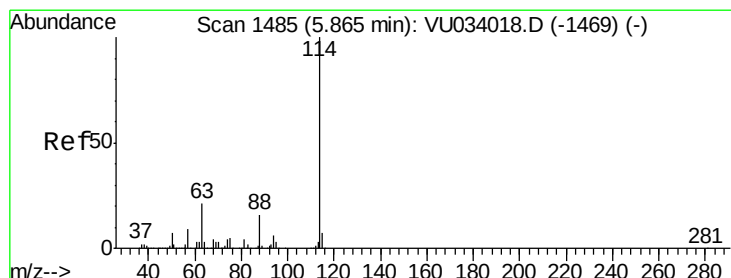
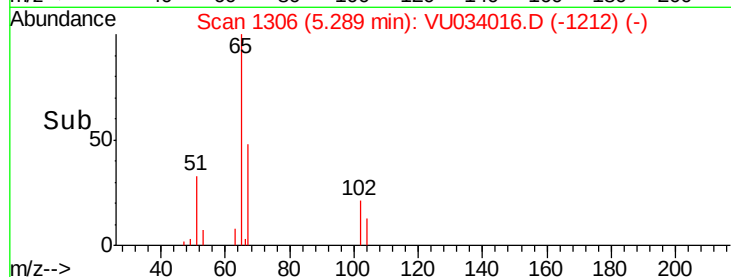
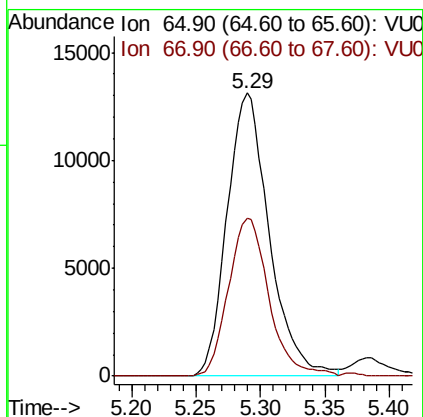
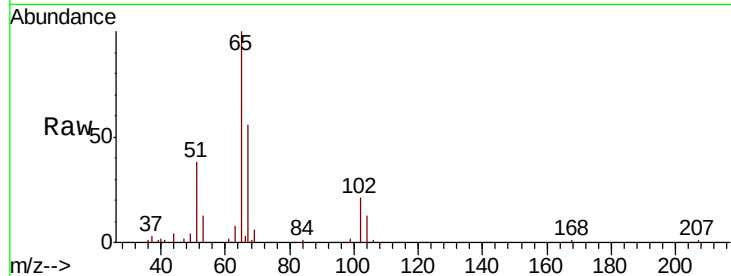




#33
 1,2-Dichloroethane-d4
 Concen: 5.934 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

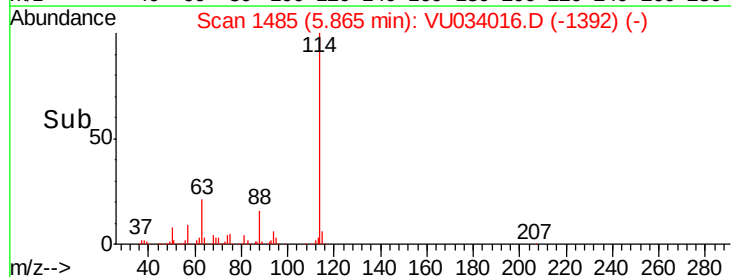
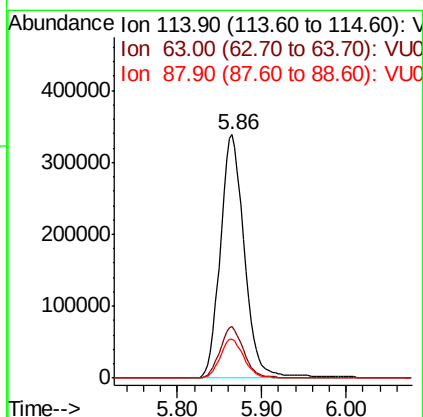
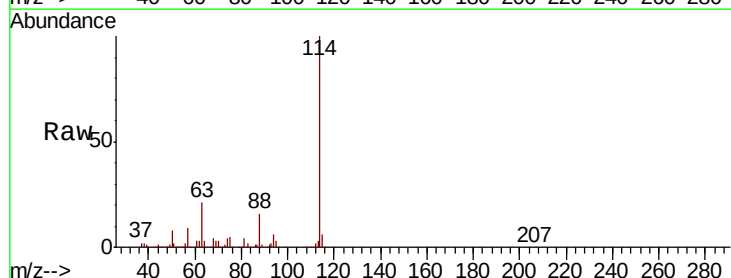
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

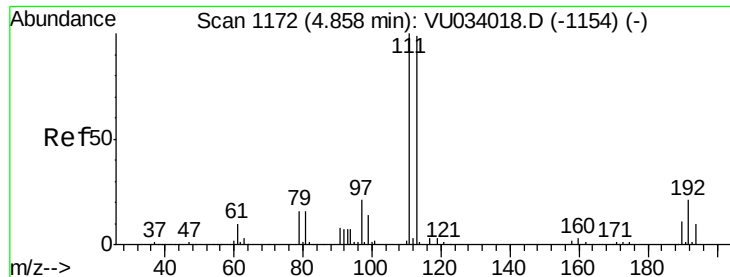
Tgt Ion: 65 Resp: 29869
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

Tgt Ion: 114 Resp: 671913
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.0
 88 16.0 0.0 32.0

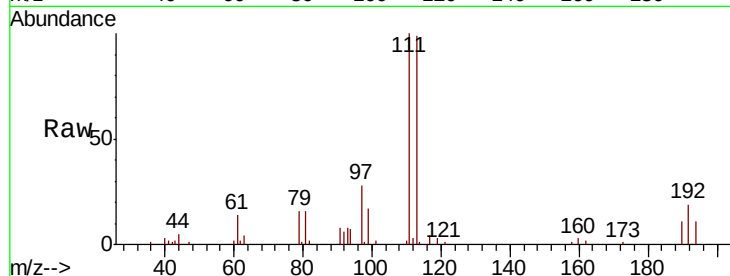




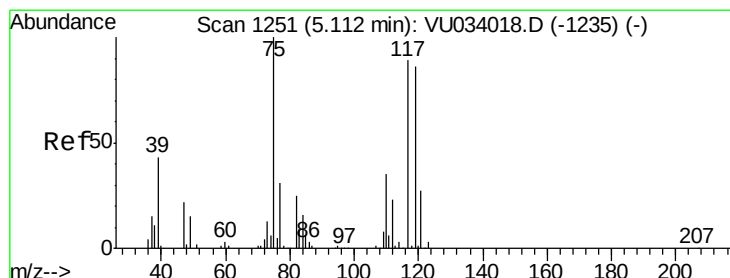
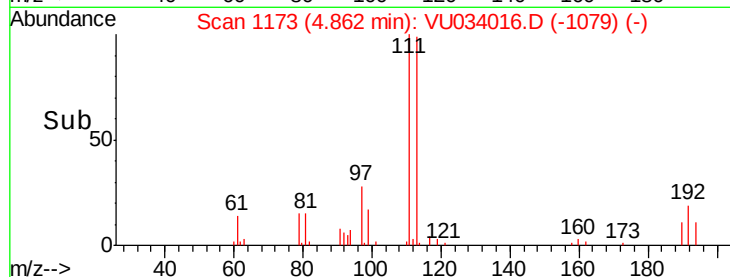
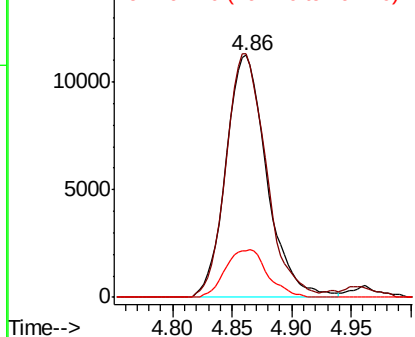
#35
 Dibromofluoromethane
 Concen: 5.839 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 113 Resp: 26754
 Ion Ratio Lower Upper
 113 100
 111 98.3 81.7 122.5
 192 20.2 17.1 25.7

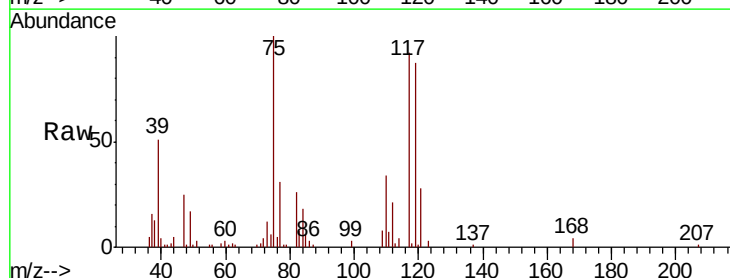


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

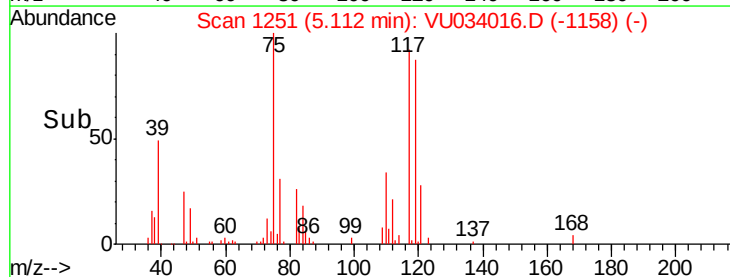
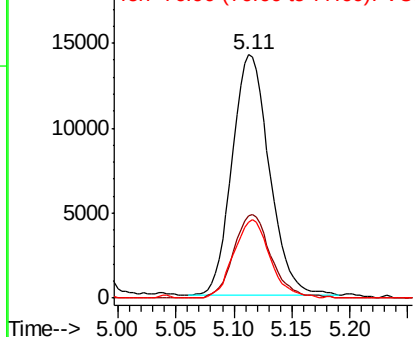


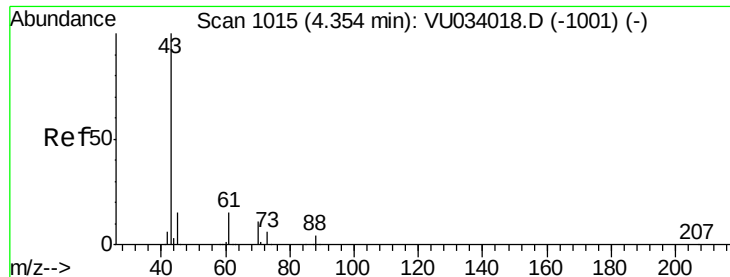
#36
 1,1-Dichloropropene
 Concen: 5.045 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

Tgt Ion: 75 Resp: 31754
 Ion Ratio Lower Upper
 75 100
 110 34.3 17.8 53.5
 77 31.8 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

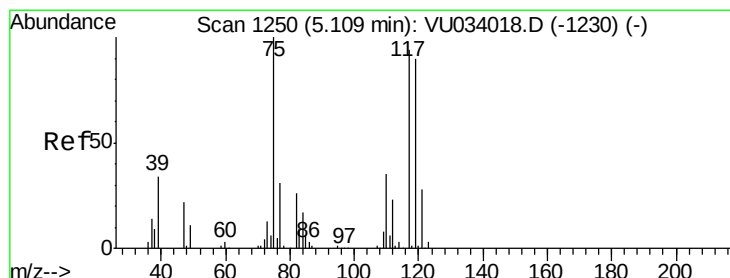
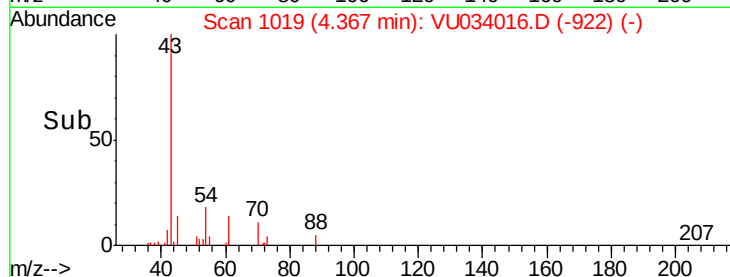
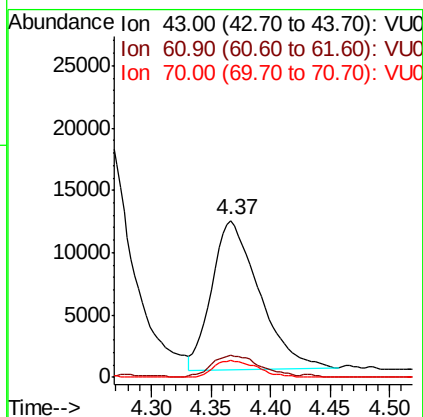
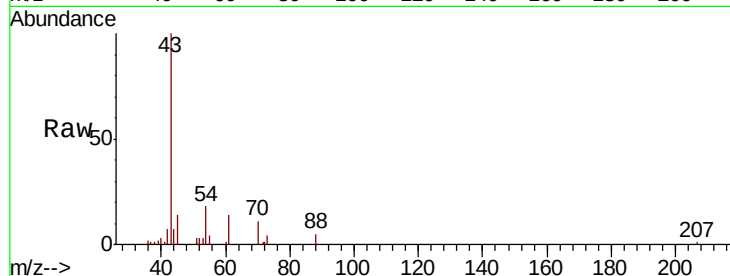




#37
Ethyl Acetate
Concen: 5.150 ug/l
RT: 4.37 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

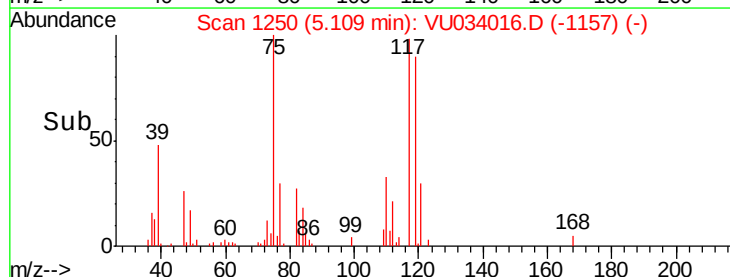
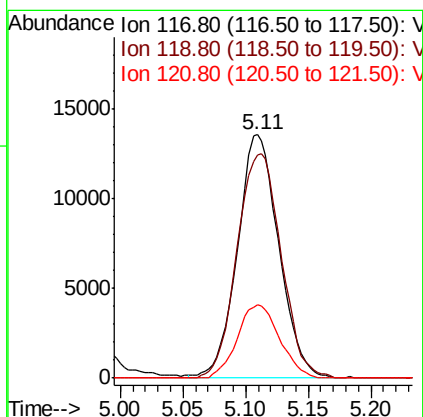
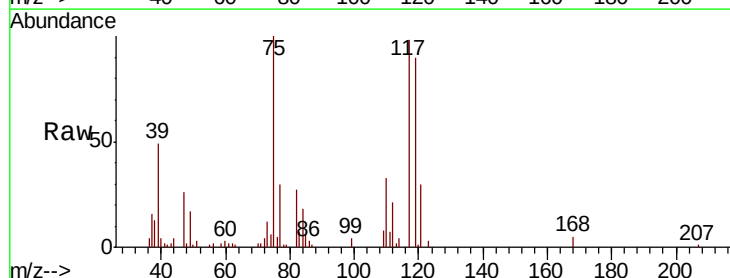
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

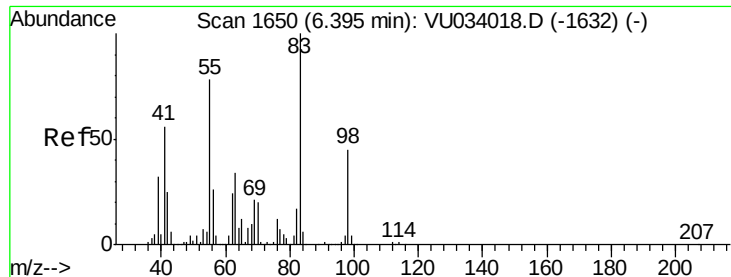
Tgt Ion: 43 Resp: 33052
Ion Ratio Lower Upper
43 100
61 15.1 11.5 17.3
70 10.3 8.6 12.8



#38
Carbon Tetrachloride
Concen: 4.895 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

Tgt Ion: 117 Resp: 31058
Ion Ratio Lower Upper
117 100
119 91.7 77.0 115.4
121 30.1 23.9 35.9

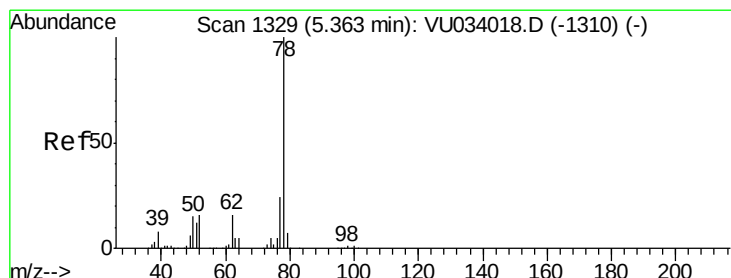
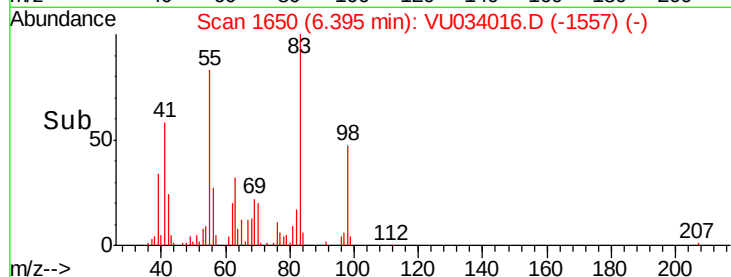
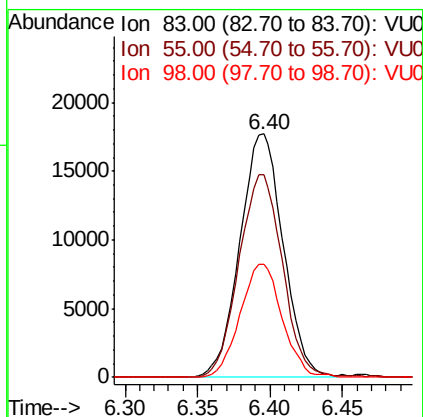
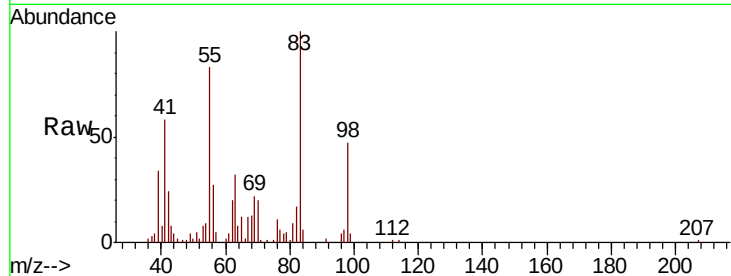




#39
Methylcyclohexane
Concen: 4.942 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

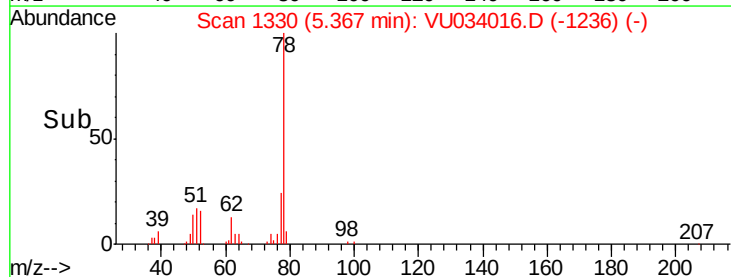
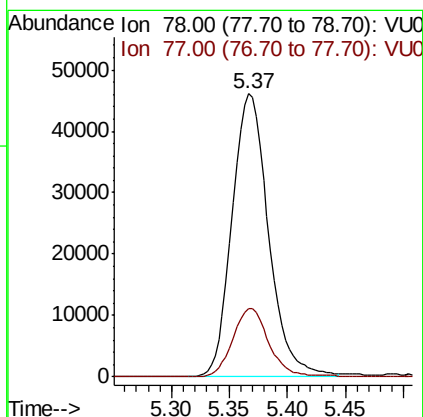
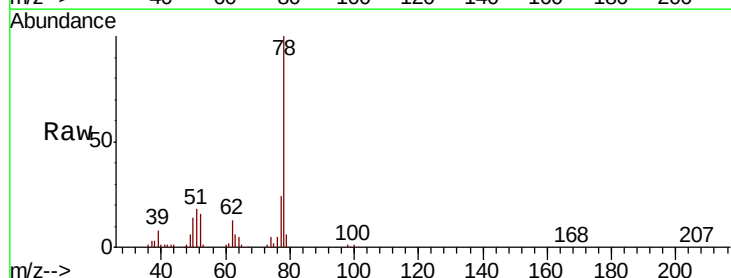
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

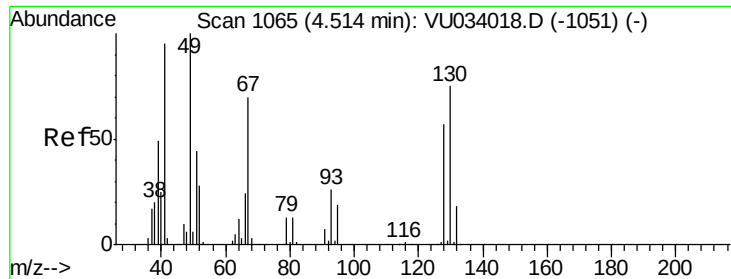
Tgt Ion: 83 Resp: 36764
Ion Ratio Lower Upper
83 100
55 83.3 62.3 93.5
98 46.6 36.2 54.2



#40
Benzene
Concen: 5.382 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

Tgt Ion: 78 Resp: 100842
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6

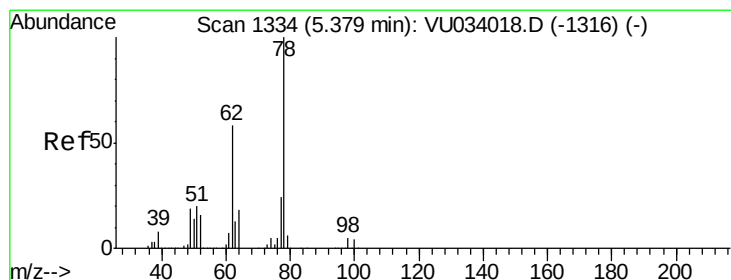
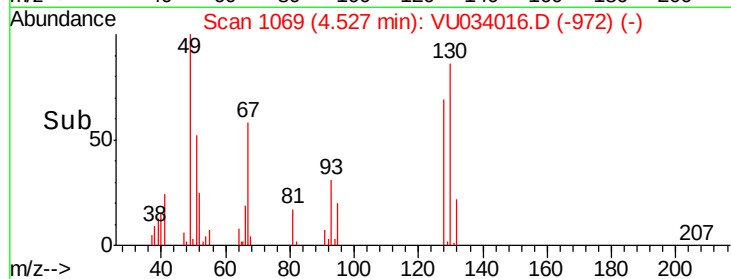
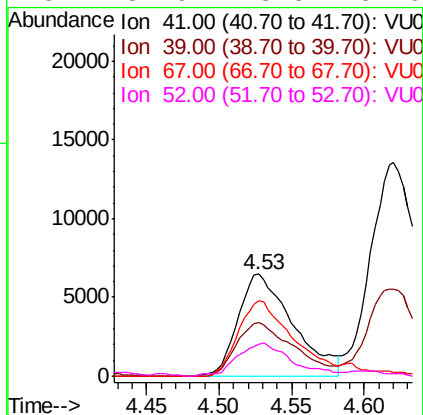
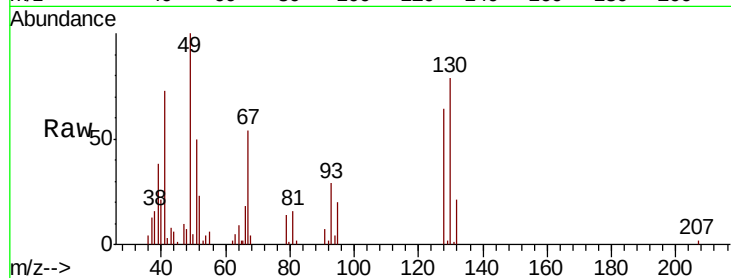




#41
Methacrylonitrile
Concen: 5.094 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. 0.01 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

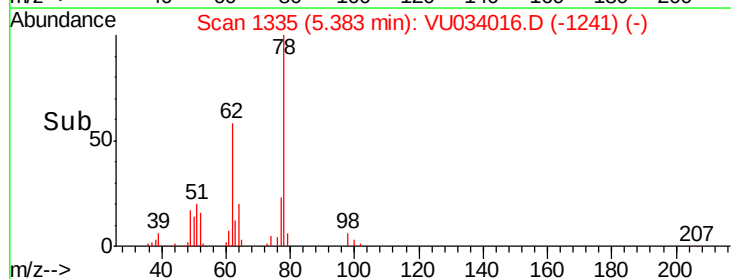
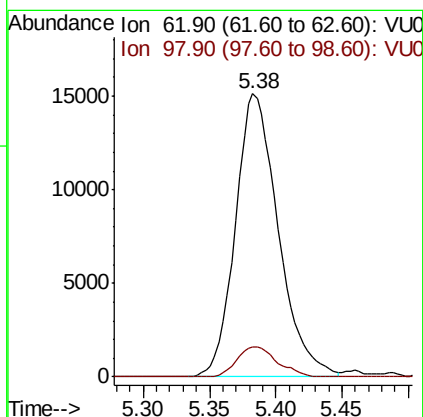
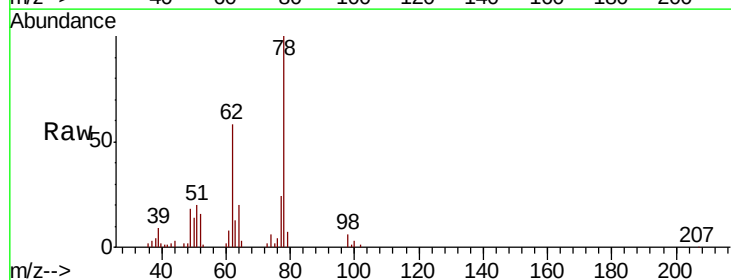
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

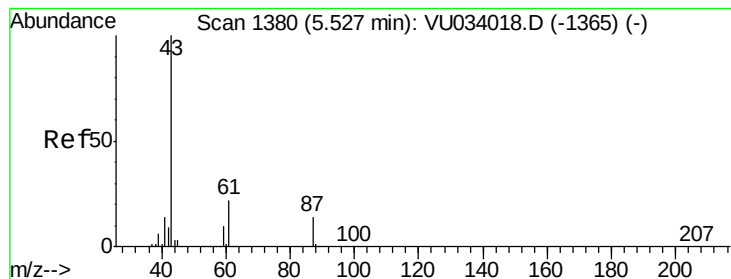
Tgt Ion:	41	Resp:	17026
Ion	Ratio	Lower	Upper
41	100		
39	54.7	42.1	63.1
67	73.4	61.0	91.4
52	31.9	23.3	34.9



#42
1,2-Dichloroethane
Concen: 5.360 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

Tgt Ion:	62	Resp:	34081
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.2





#43

Isopropyl Acetate

Concen: 5.084 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

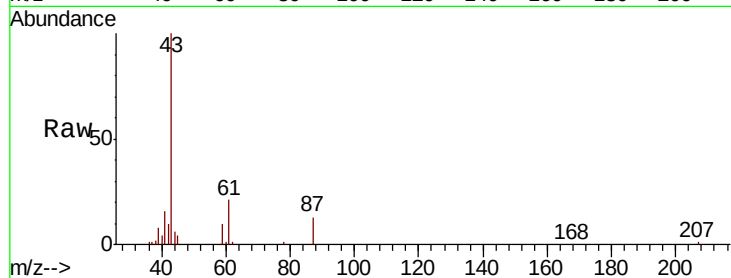
Tgt Ion: 43 Resp: 50169

Ion Ratio Lower Upper

43 100

61 21.8 17.2 25.8

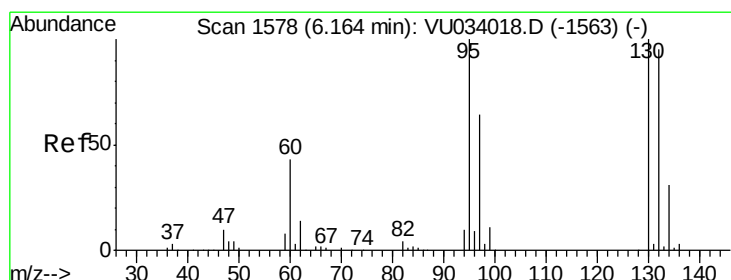
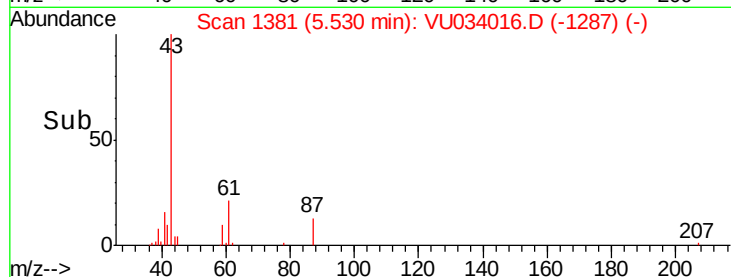
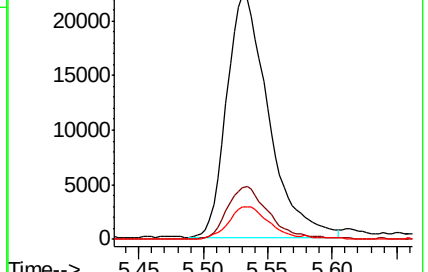
87 13.4 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VU034016.D (-1381) (-)

Ion 61.00 (60.70 to 61.70): VU034016.D (-1381) (-)

Ion 87.00 (86.70 to 87.70): VU034016.D (-1381) (-)



#44

Trichloroethene

Concen: 5.039 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034016.D

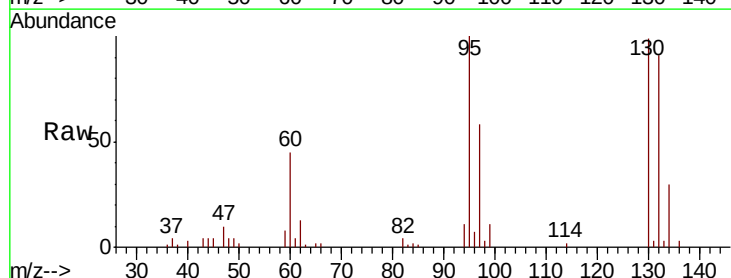
Acq: 28 Aug 2019 12:02

Tgt Ion: 130 Resp: 26488

Ion Ratio Lower Upper

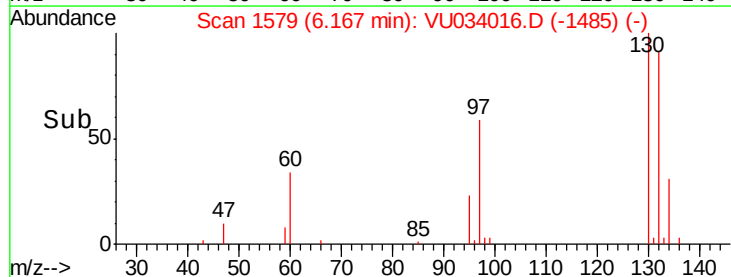
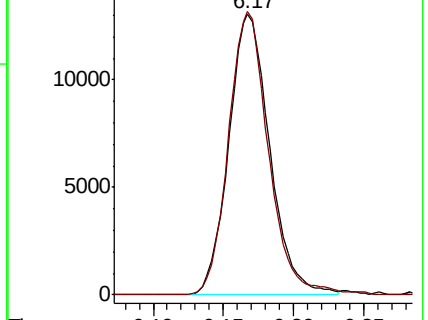
130 100

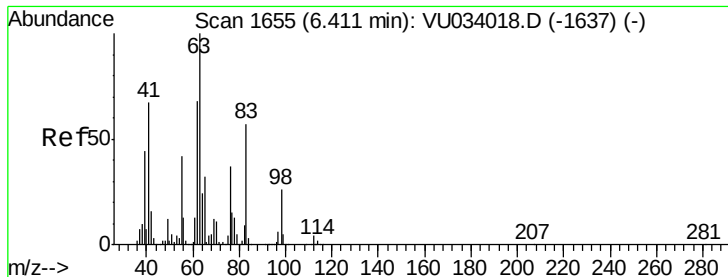
95 100.8 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): VU034016.D (-1579) (-)

Ion 94.90 (94.60 to 95.60): VU034016.D (-1579) (-)





#45

1,2-Dichloropropane

Concen: 5.456 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

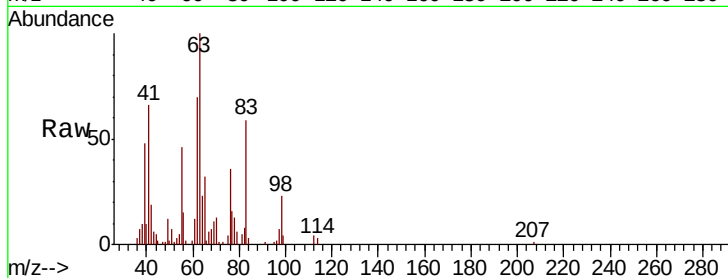
VSTDIC005

Tgt Ion: 63 Resp: 27563

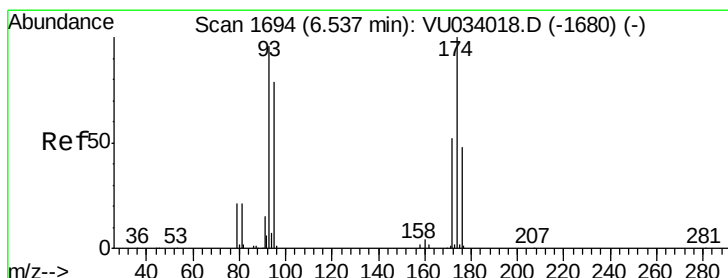
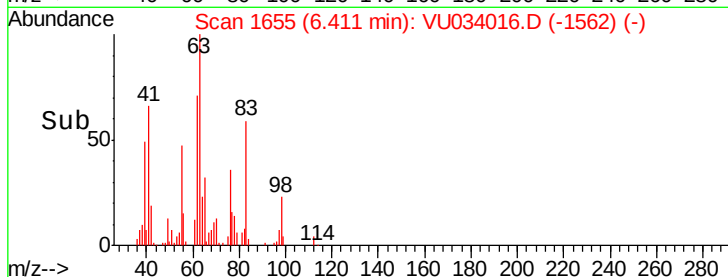
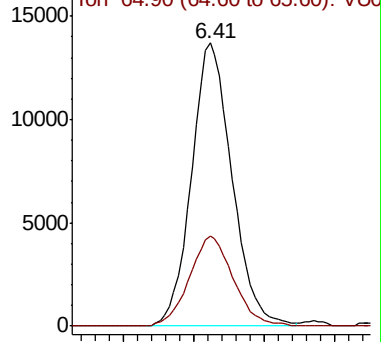
Ion Ratio Lower Upper

63 100

65 32.0 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VU034016.D (-1637) (-)



#46

Dibromomethane

Concen: 5.193 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

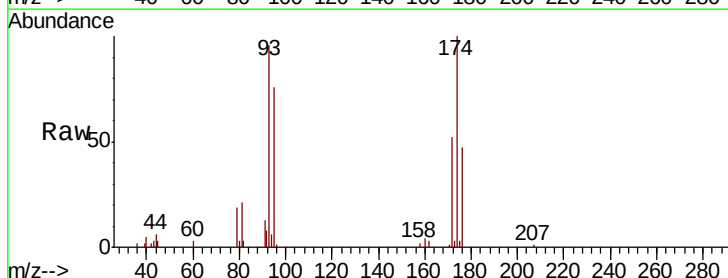
Tgt Ion: 93 Resp: 17627

Ion Ratio Lower Upper

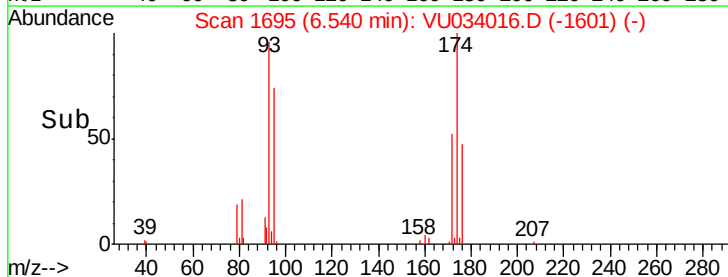
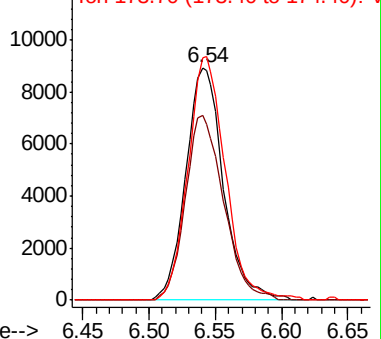
93 100

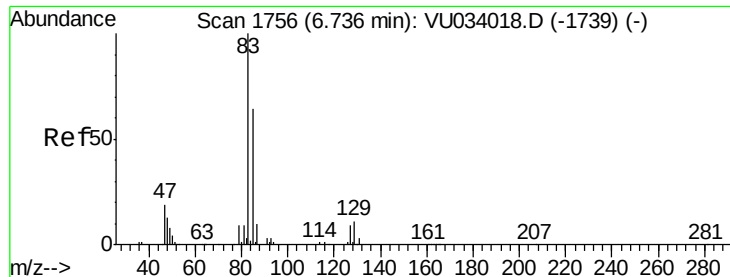
95 80.6 66.7 100.1

174 103.9 84.9 127.3



Abundance Ion 92.80 (92.50 to 93.50): VU034016.D (-1680) (-)





#47

Bromodichloromethane

Concen: 5.274 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

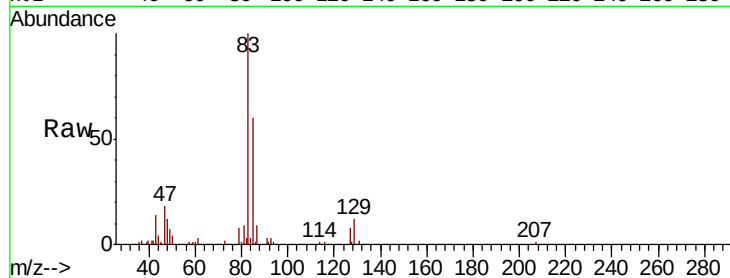
Tgt Ion: 83 Resp: 34212

Ion Ratio Lower Upper

83 100

85 59.8 51.2 76.8

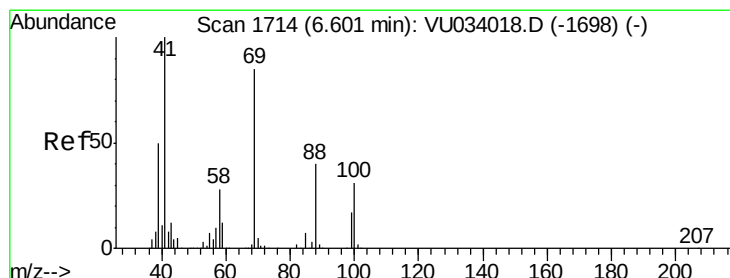
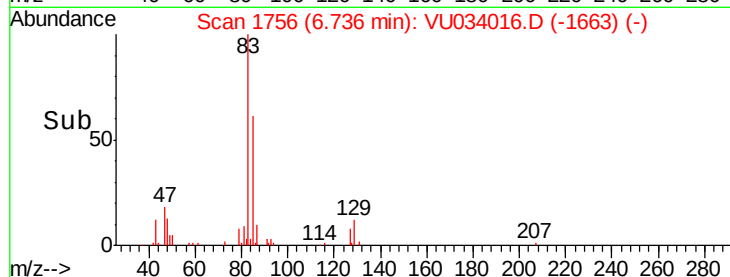
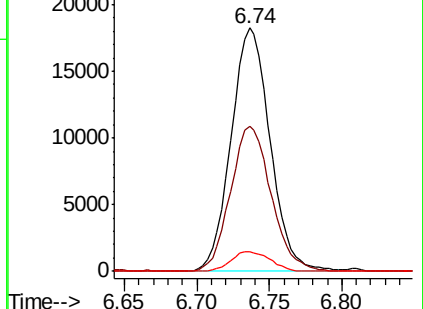
127 8.3 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034016.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034016.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034016.D (-1663) (-)



#48

Methyl methacrylate

Concen: 4.970 ug/l

RT: 6.61 min Scan# 1716

Delta R.T. 0.01 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

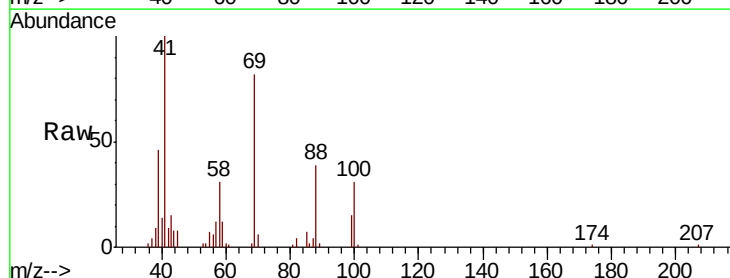
Tgt Ion: 41 Resp: 23550

Ion Ratio Lower Upper

41 100

69 90.3 69.5 104.3

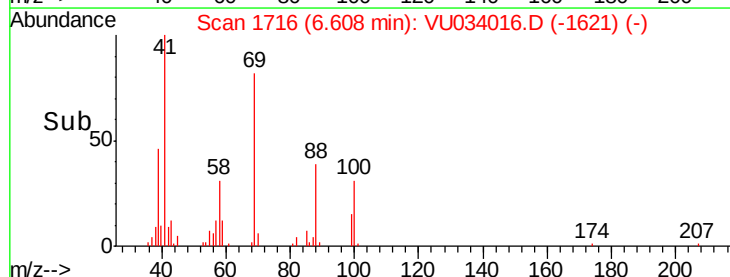
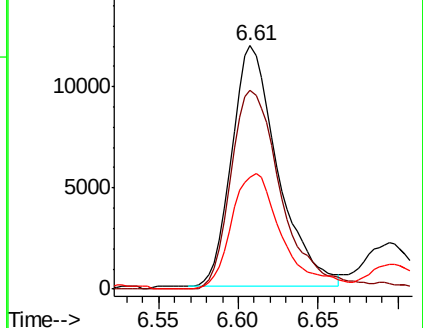
39 52.6 40.3 60.5

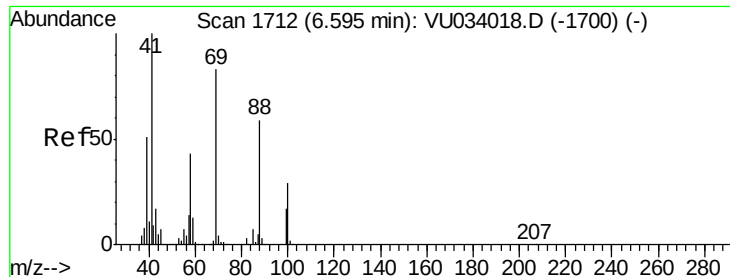


Abundance Ion 41.00 (40.70 to 41.70): VU034016.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034016.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034016.D (-1621) (-)

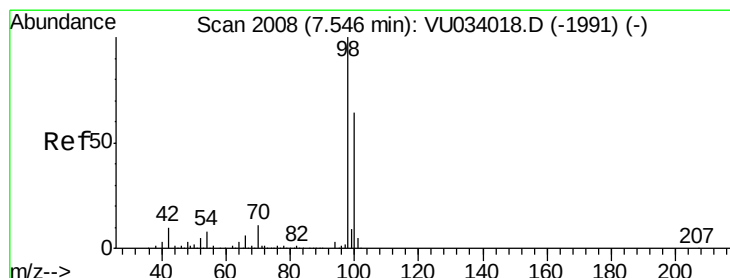
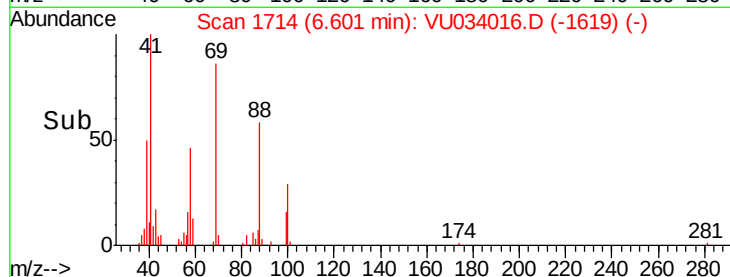
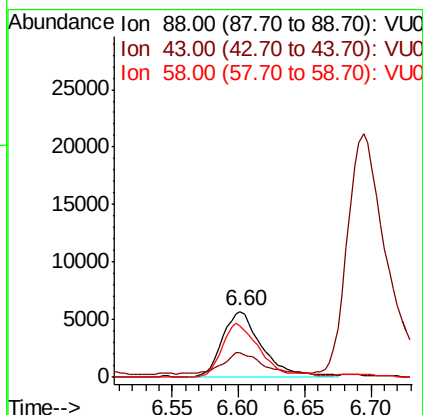
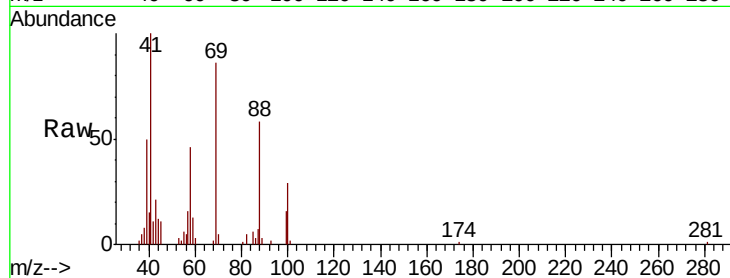




#49
 1,4-Dioxane
 Concen: 95.349 ug/l
 RT: 6.60 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

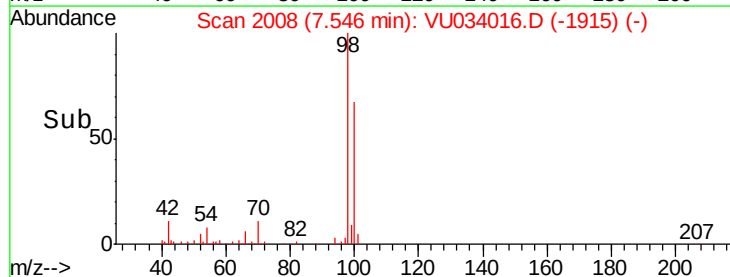
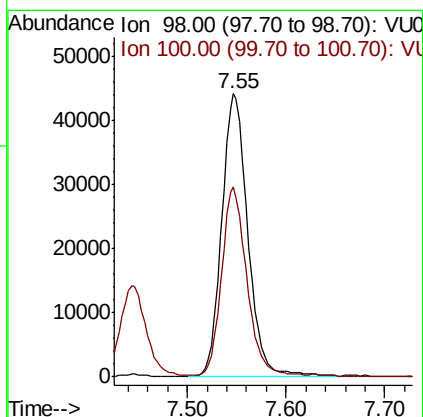
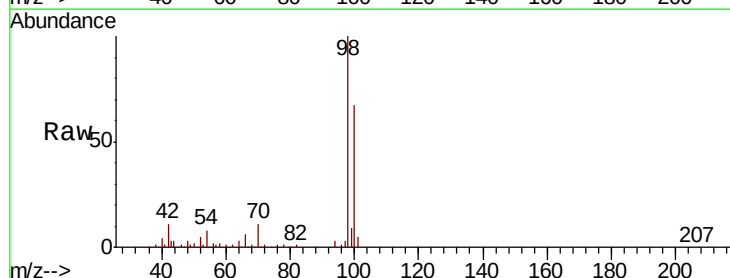
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

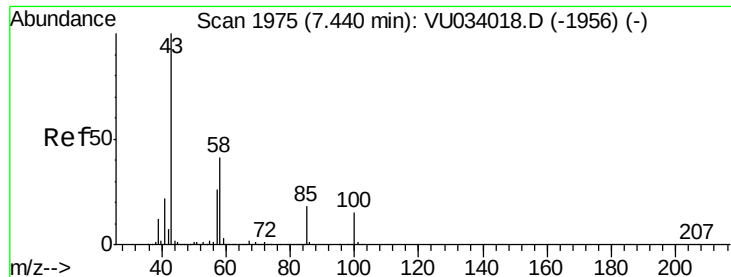
Tgt Ion: 88 Resp: 11945
 Ion Ratio Lower Upper
 88 100
 43 30.7 24.8 37.2
 58 77.8 59.3 88.9



#50
 Toluene-d8
 Concen: 4.828 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

Tgt Ion: 98 Resp: 82256
 Ion Ratio Lower Upper
 98 100
 100 63.5 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 26.108 ug/l

RT: 7.44 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

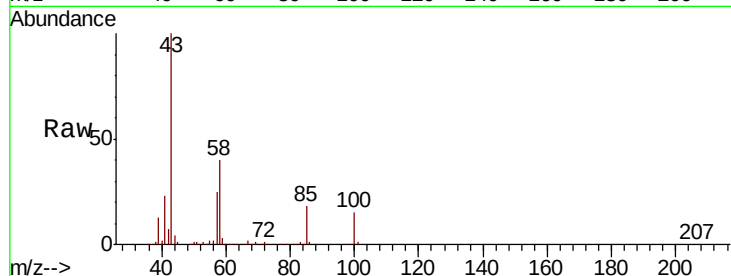
VSTDIC005

Tgt Ion: 43 Resp: 178371

Ion Ratio Lower Upper

43 100

58 39.4 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1956) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-1956) (-)

7.44

100000

80000

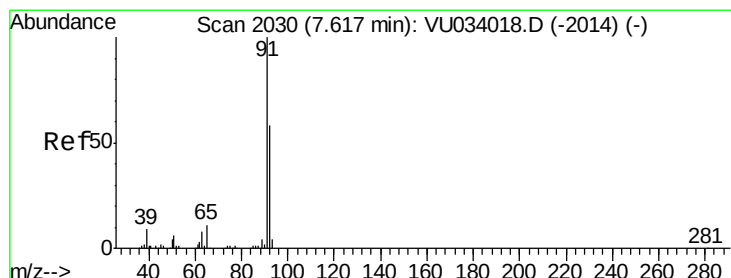
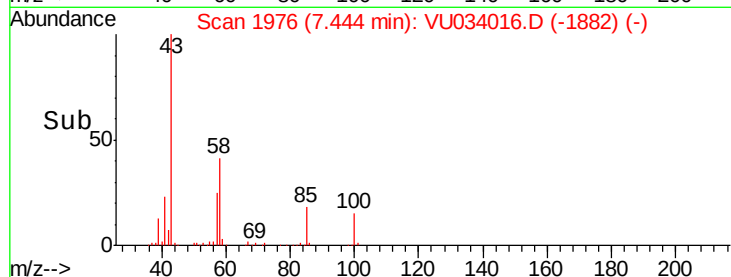
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 5.064 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034016.D

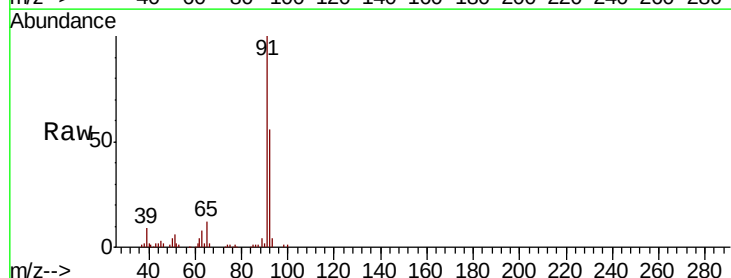
Acq: 28 Aug 2019 12:02

Tgt Ion: 92 Resp: 59738

Ion Ratio Lower Upper

92 100

91 174.6 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VU034018.D (-2014) (-)

Ion 91.00 (90.70 to 91.70): VU034018.D (-2014) (-)

7.62

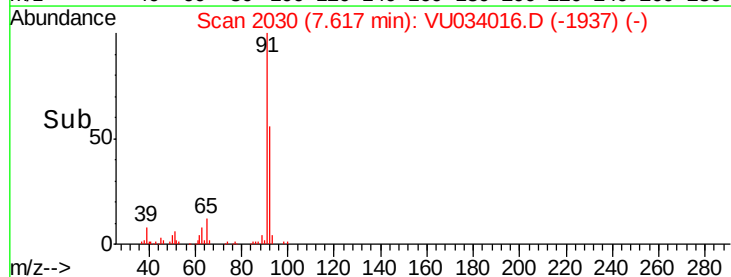
60000

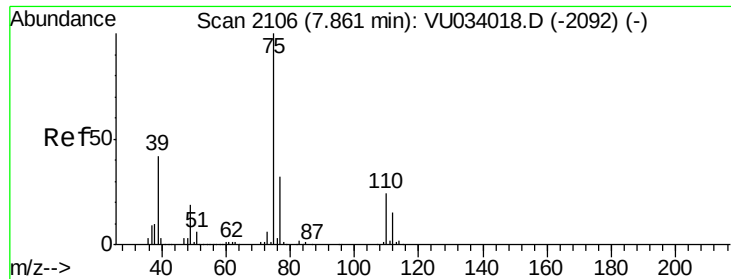
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.859 ug/l

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

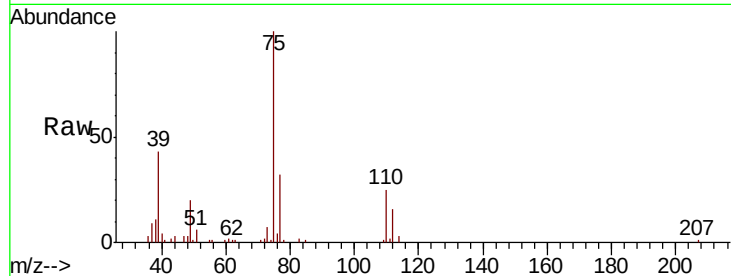
VSTDIC005

Tgt Ion: 75 Resp: 35121

Ion Ratio Lower Upper

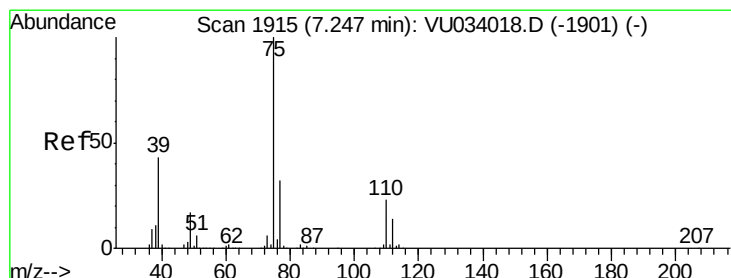
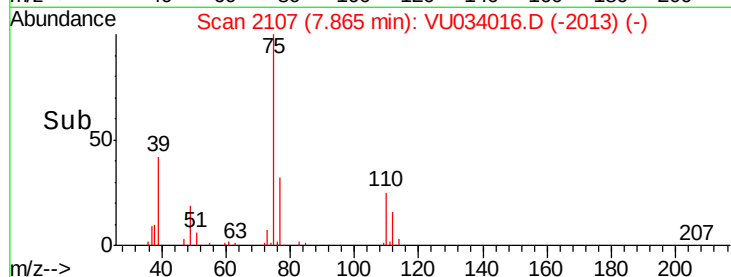
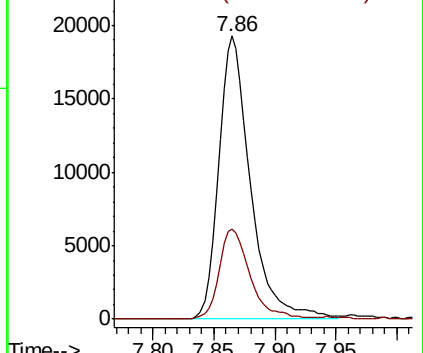
75 100

77 31.8 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 5.115 ug/l

RT: 7.25 min Scan# 1917

Delta R.T. 0.01 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

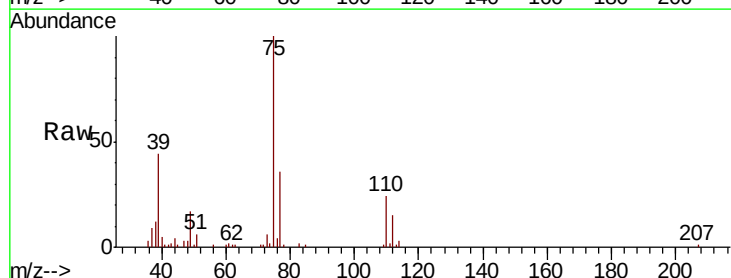
Tgt Ion: 75 Resp: 39791

Ion Ratio Lower Upper

75 100

77 35.6 25.2 37.8

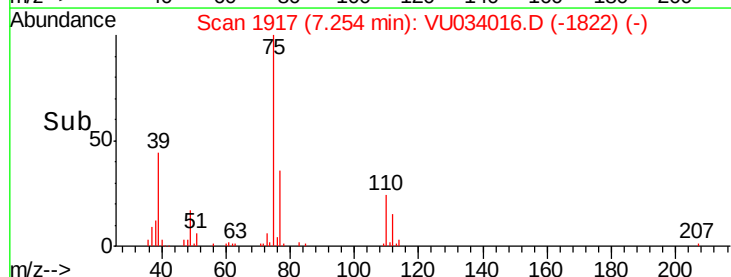
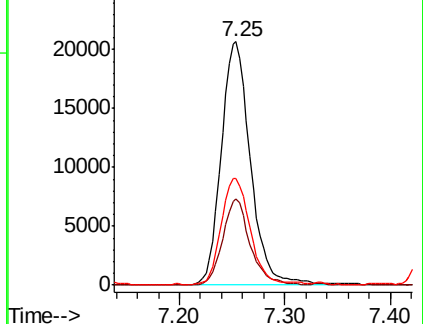
39 43.7 34.6 51.8

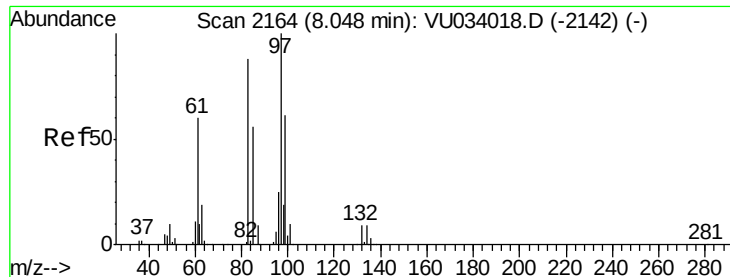


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

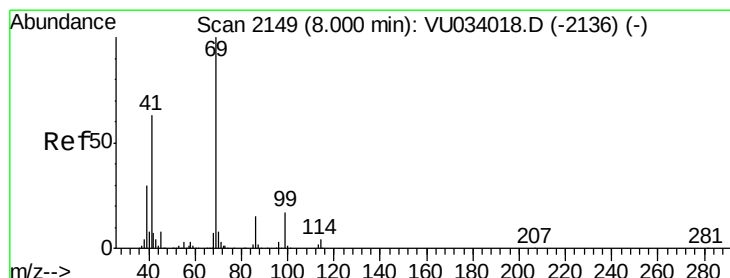
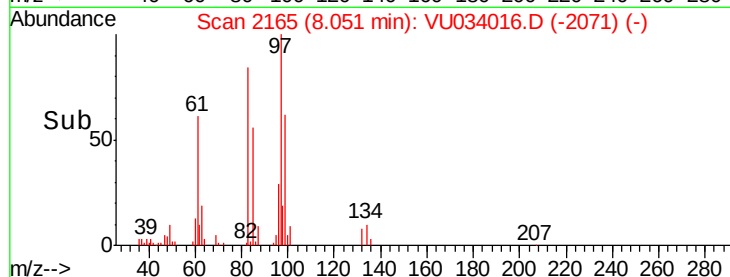
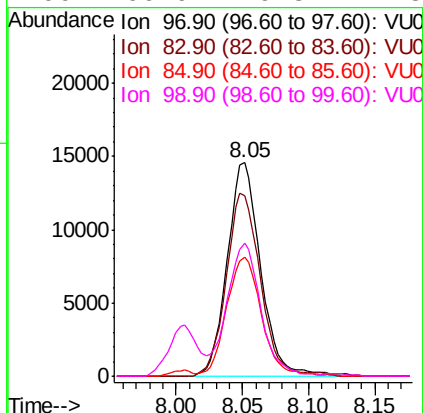
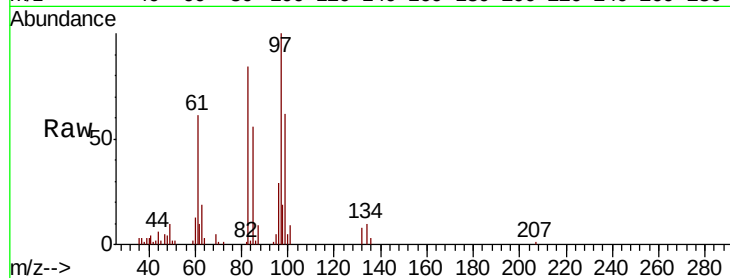




#55
 1,1,2-Trichloroethane
 Concen: 5.085 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

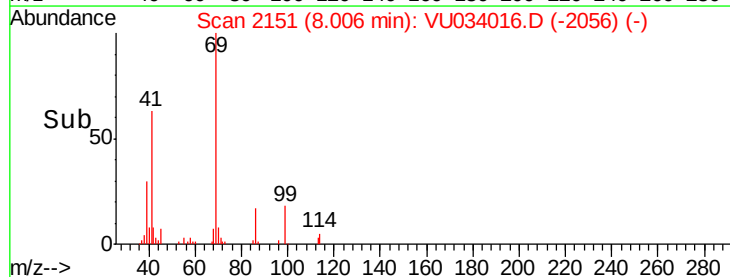
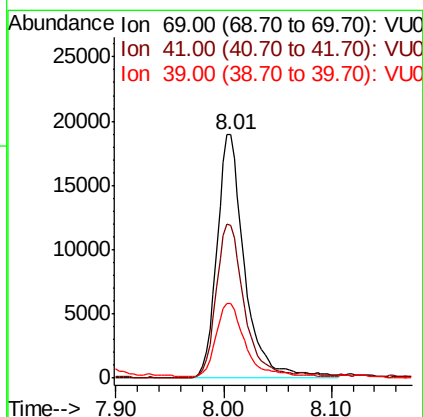
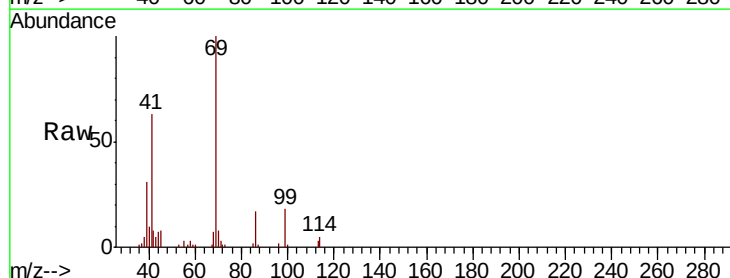
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

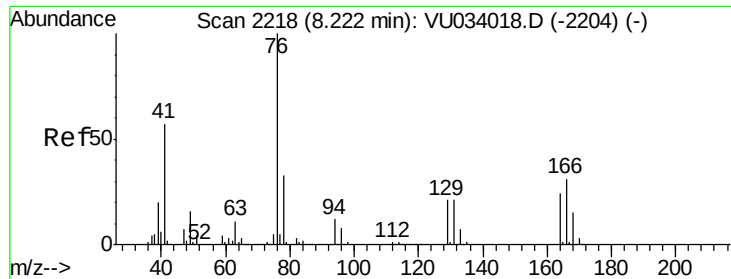
Tgt Ion:	97	Resp:	25469
Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.1	105.1
85	54.8	45.0	67.4
99	60.9	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 4.732 ug/l
 RT: 8.01 min Scan# 2151
 Delta R.T. 0.01 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

Tgt Ion:	69	Resp:	33777
Ion	Ratio	Lower	Upper
69	100		
41	64.4	50.7	76.1
39	31.6	24.2	36.2

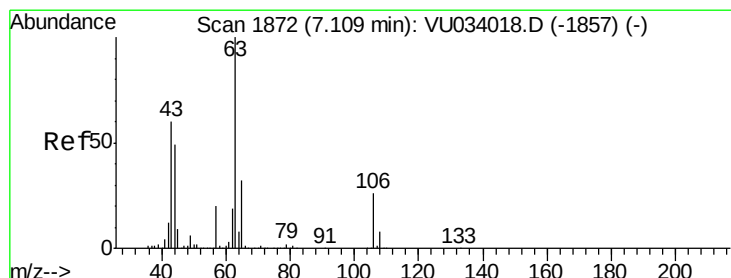
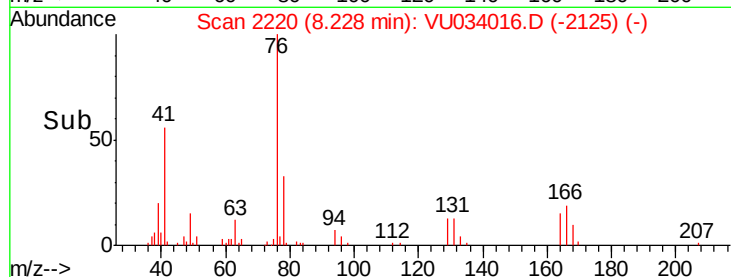
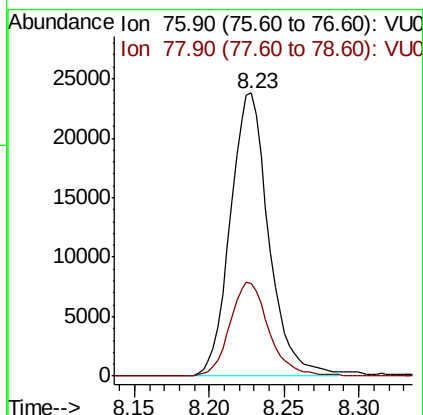
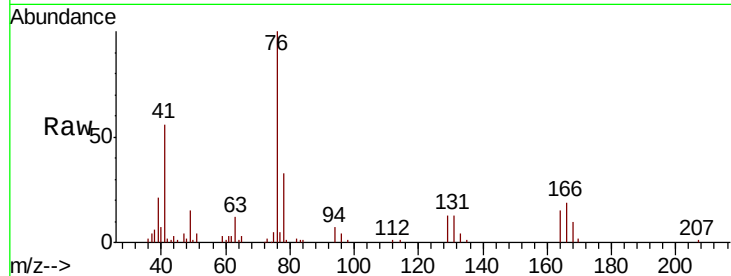




#57
 1,3-Dichloropropane
 Concen: 5.230 ug/l
 RT: 8.23 min Scan# 2220
 Delta R.T. 0.01 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

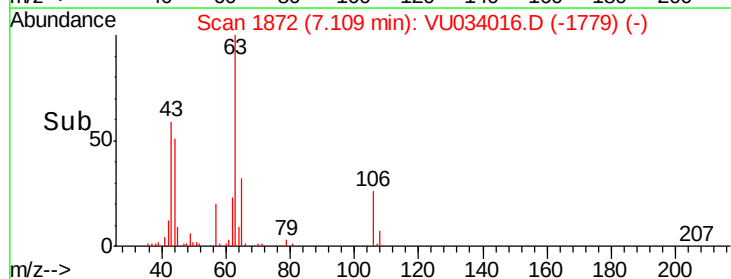
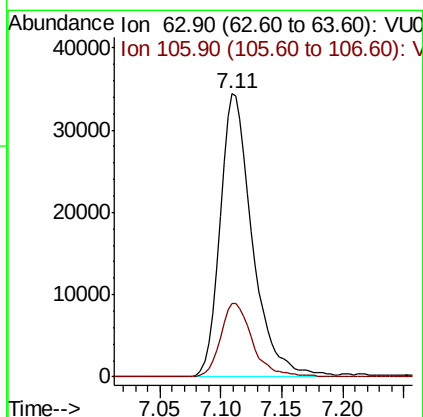
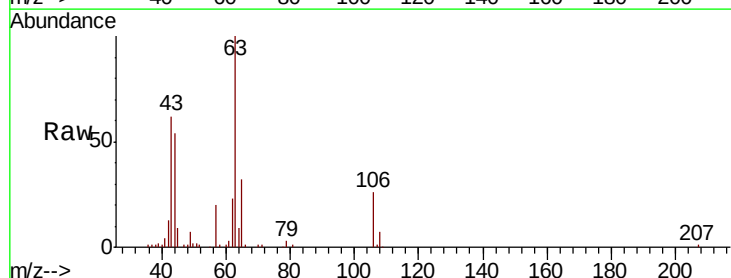
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

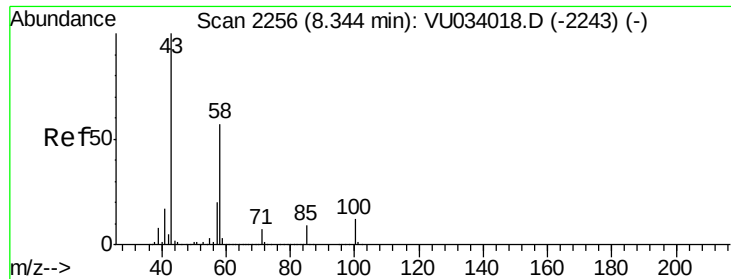
Tgt Ion: 76 Resp: 42611
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.391 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

Tgt Ion: 63 Resp: 64035
 Ion Ratio Lower Upper
 63 100
 106 25.7 20.7 31.1

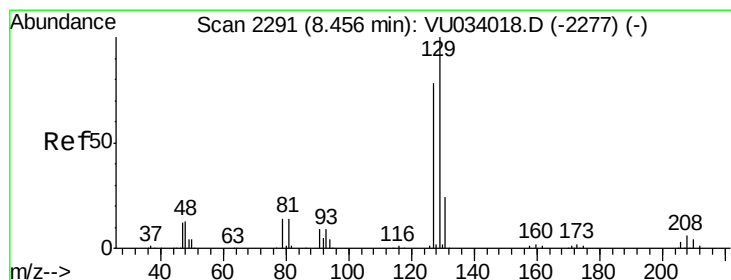
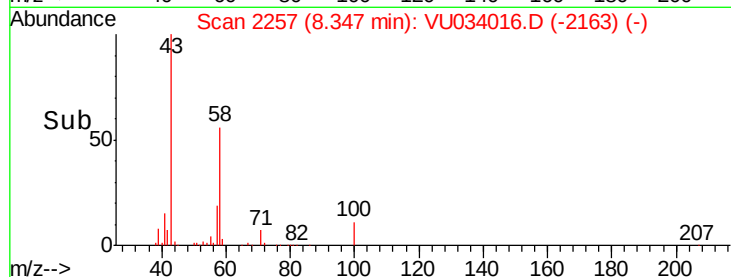
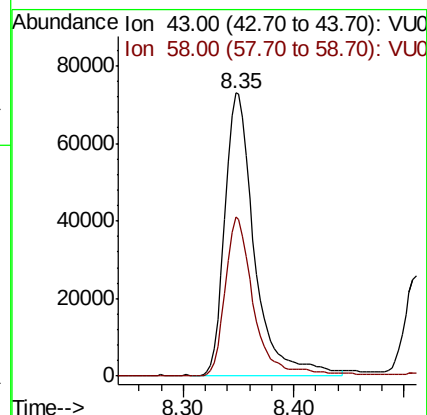
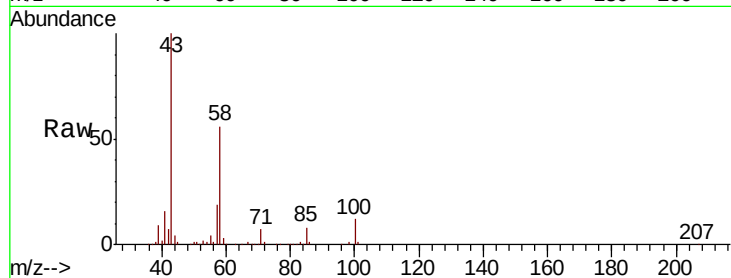




#59
2-Hexanone
Concen: 25.793 ug/l
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

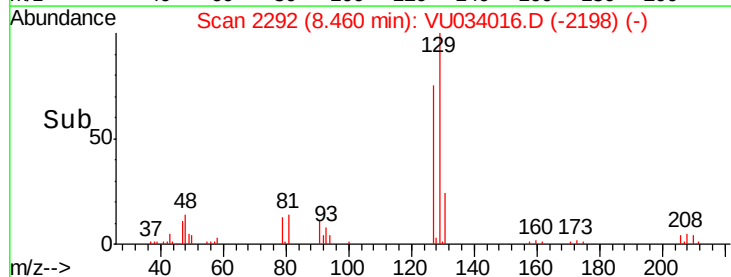
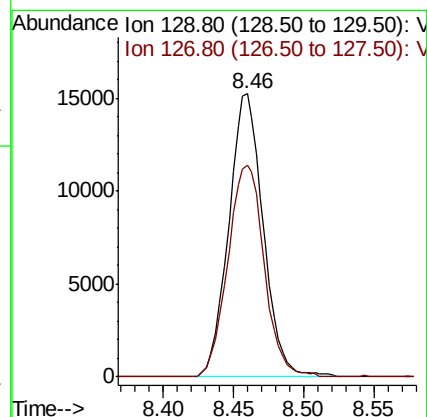
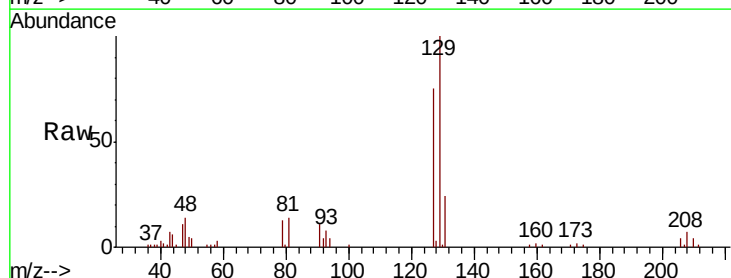
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

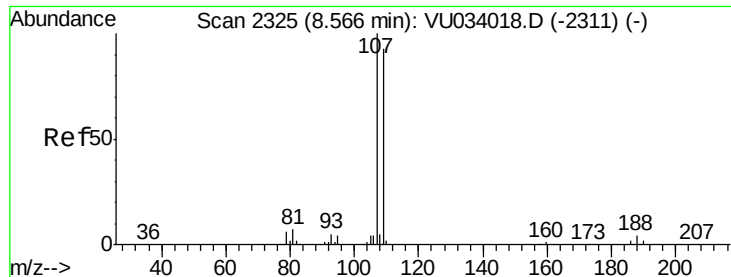
Tgt Ion: 43 Resp: 135324
Ion Ratio Lower Upper
43 100
58 52.3 28.4 85.3



#60
Dibromochloromethane
Concen: 4.671 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

Tgt Ion: 129 Resp: 26013
Ion Ratio Lower Upper
129 100
127 78.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 5.060 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

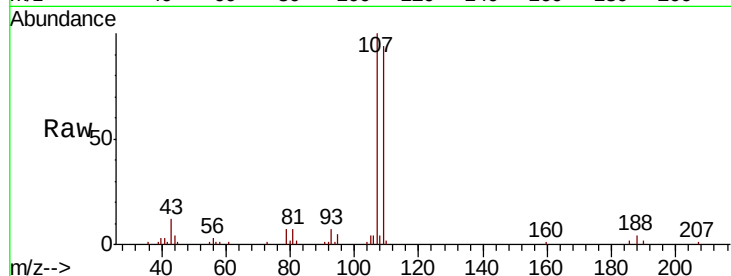
VSTDIC005

Tgt Ion: 107 Resp: 26598

Ion Ratio Lower Upper

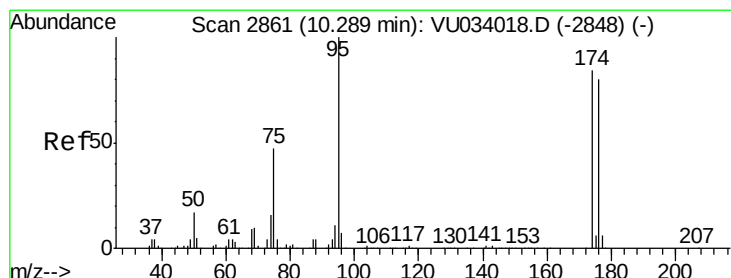
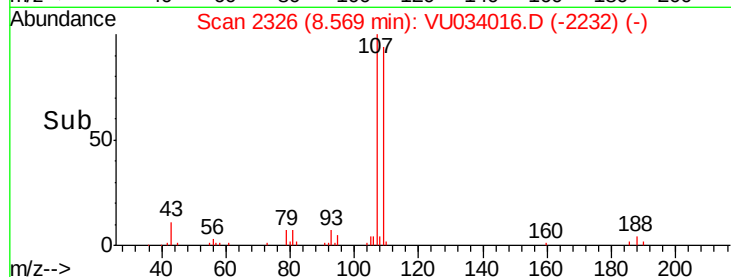
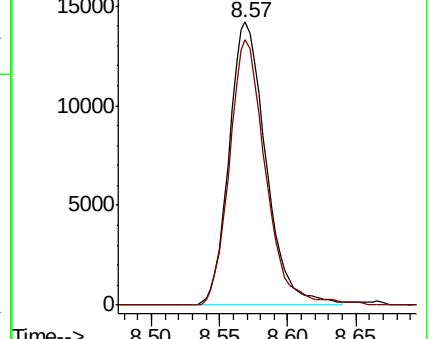
107 100

109 90.8 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.349 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

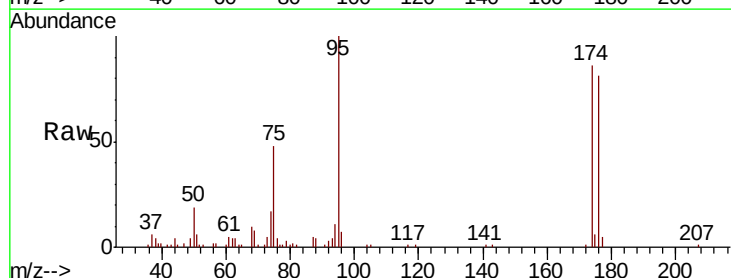
Tgt Ion: 95 Resp: 35249

Ion Ratio Lower Upper

95 100

174 85.3 0.0 168.8

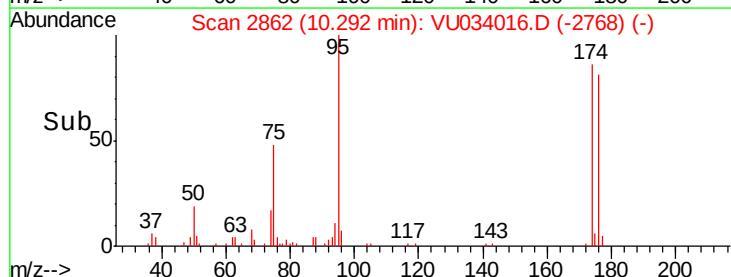
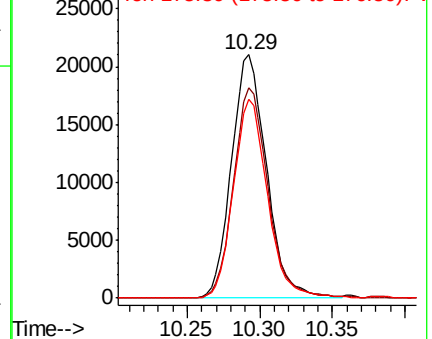
176 79.1 0.0 161.8

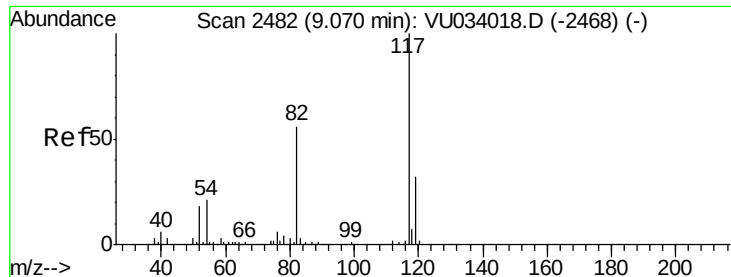


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

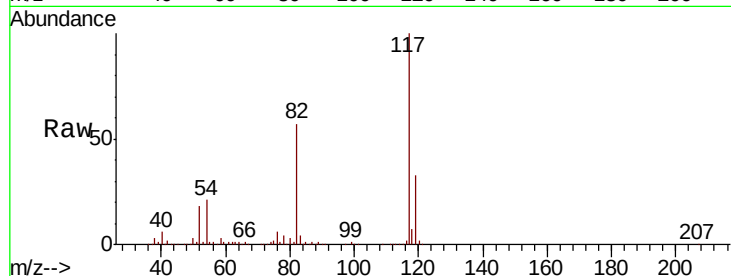




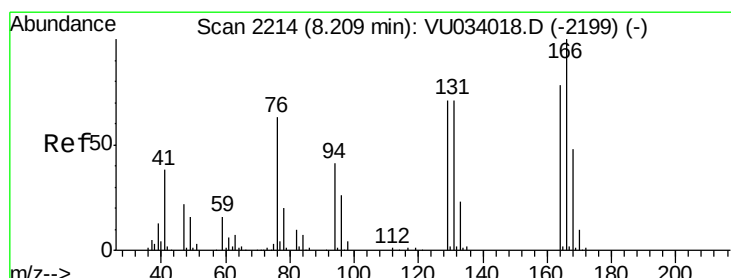
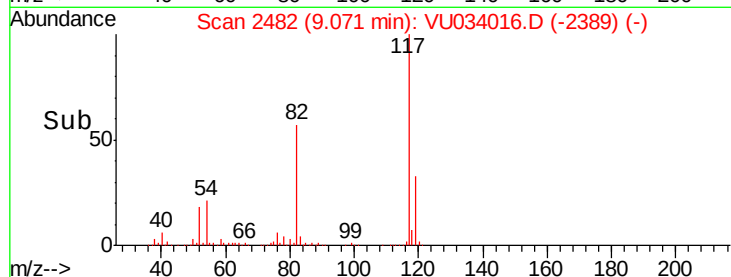
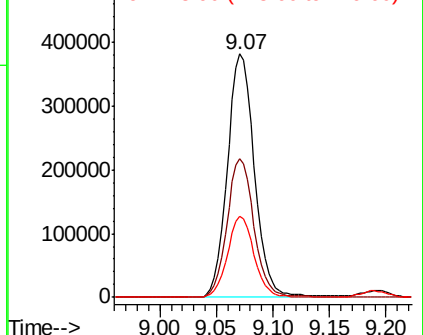
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 637971
Ion Ratio Lower Upper
117 100
82 57.2 45.1 67.7
119 33.2 25.4 38.0

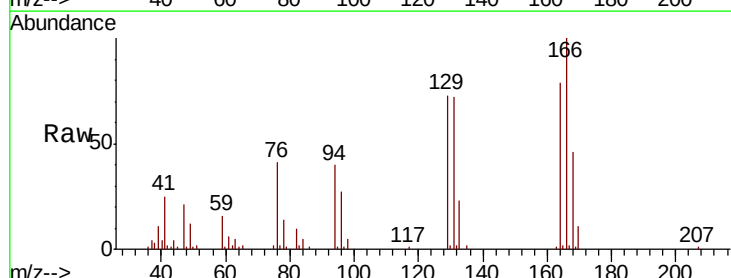


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

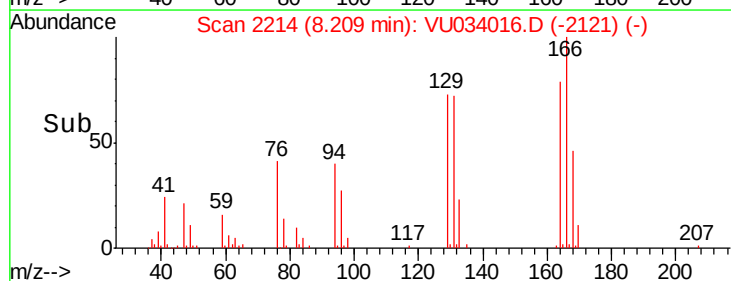
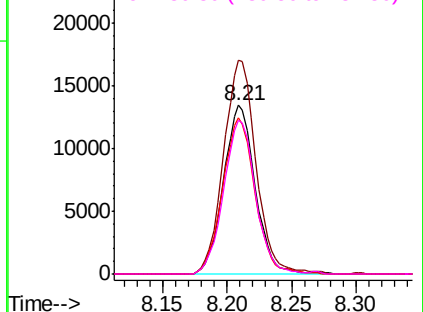


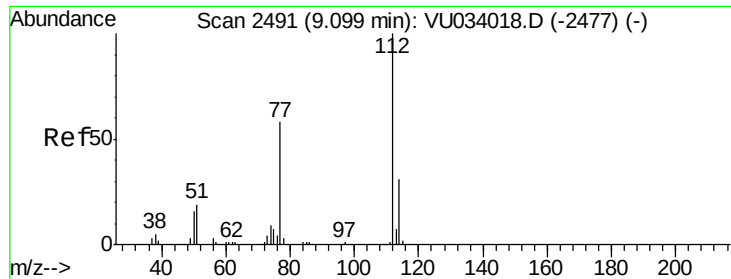
#64
Tetrachloroethene
Concen: 4.549 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

Tgt Ion:164 Resp: 22939
Ion Ratio Lower Upper
164 100
166 126.7 102.2 153.2
129 92.6 72.4 108.6
131 90.9 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: 5.101 ug/l

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

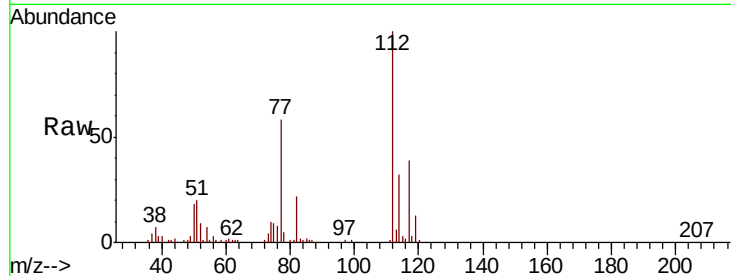
VSTDIC005

Tgt Ion:112 Resp: 68005

Ion Ratio Lower Upper

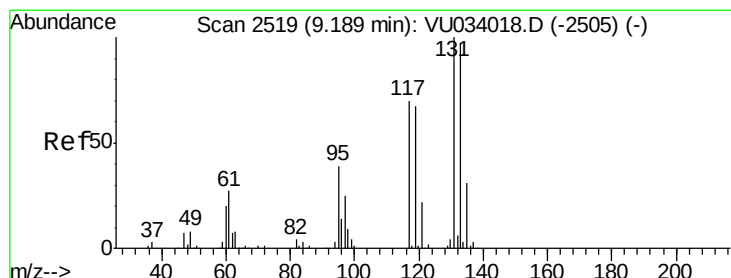
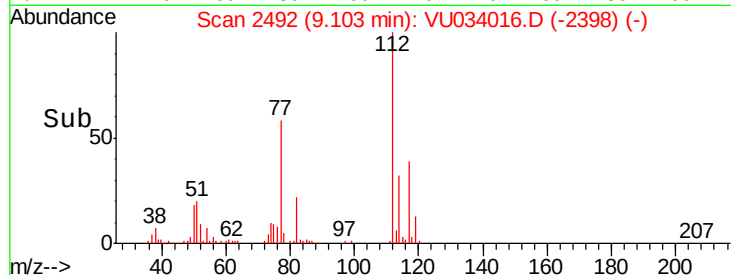
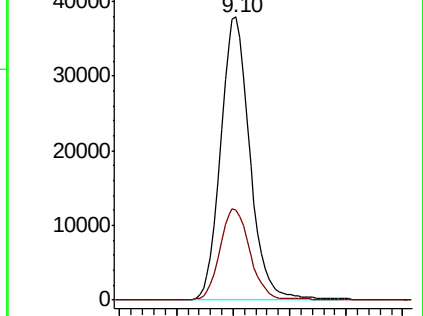
112 100

114 31.7 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.991 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

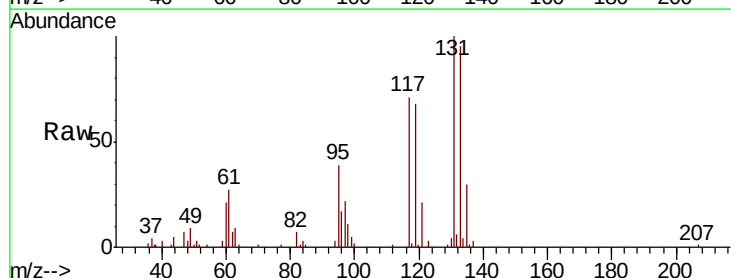
Tgt Ion:131 Resp: 24586

Ion Ratio Lower Upper

131 100

133 97.2 48.4 145.2

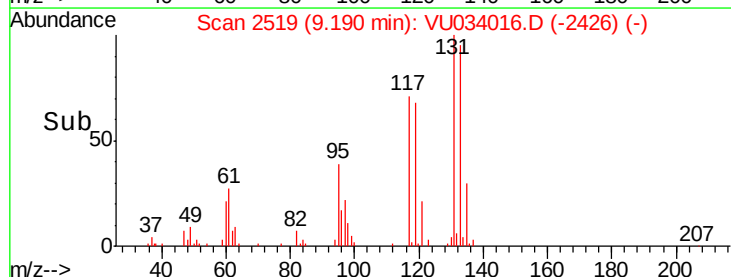
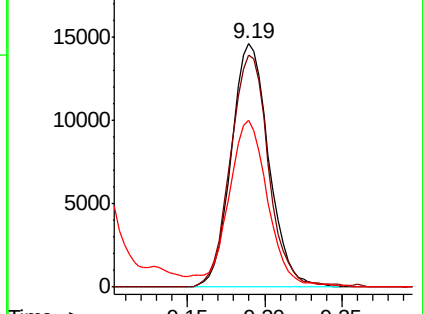
119 71.0 33.6 100.6

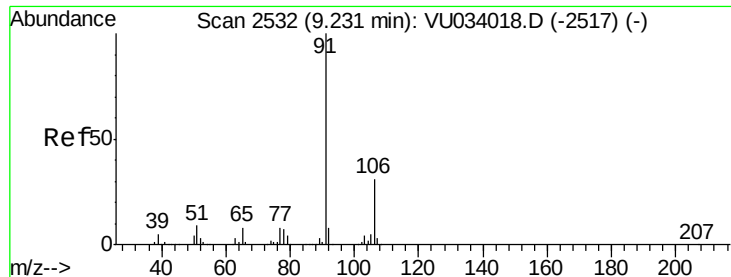


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

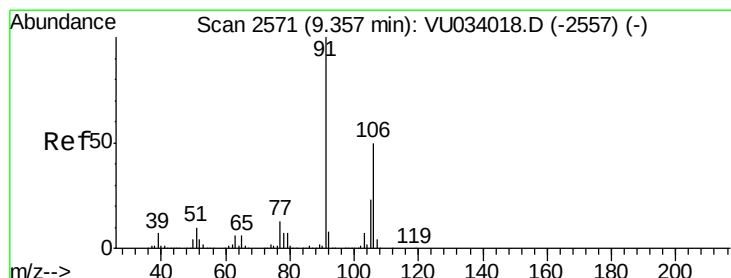
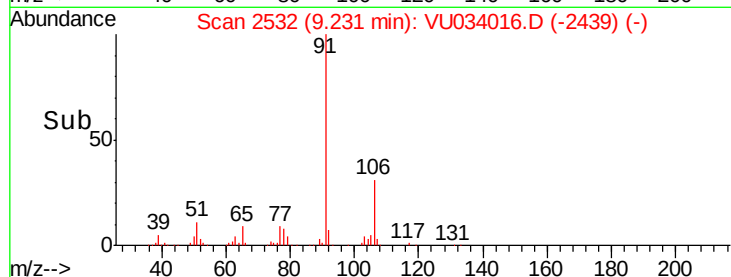
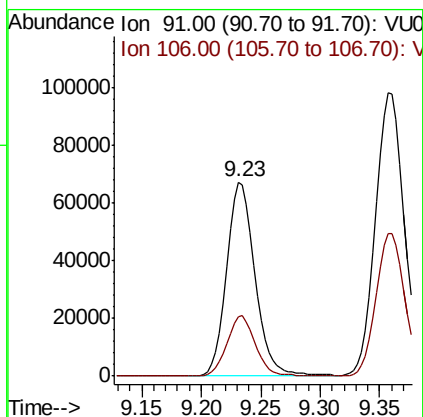
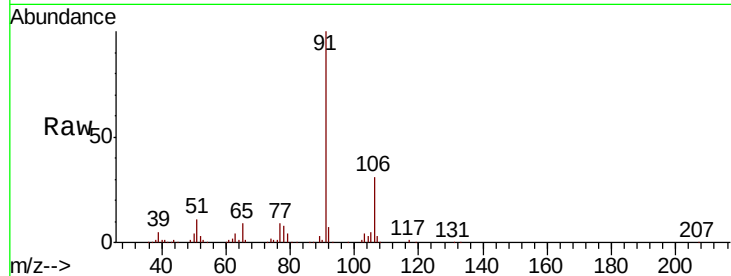




#67
Ethyl Benzene
Concen: 5.005 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

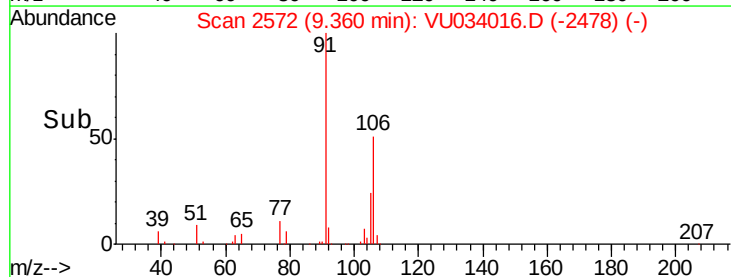
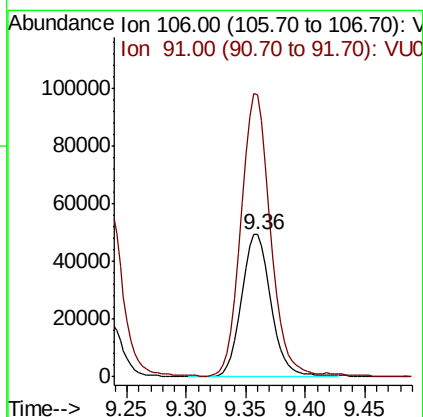
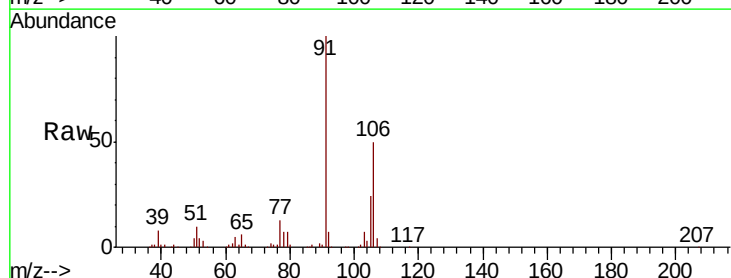
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

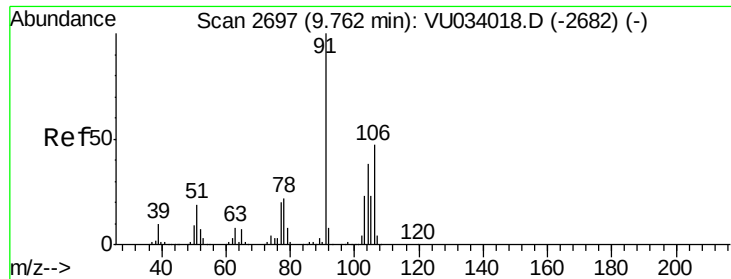
Tgt Ion: 91 Resp: 111835
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3



#68
m/p-Xylenes
Concen: 9.873 ug/l
RT: 9.36 min Scan# 2572
Delta R.T. 0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

Tgt Ion: 106 Resp: 84822
Ion Ratio Lower Upper
106 100
91 195.8 161.6 242.4

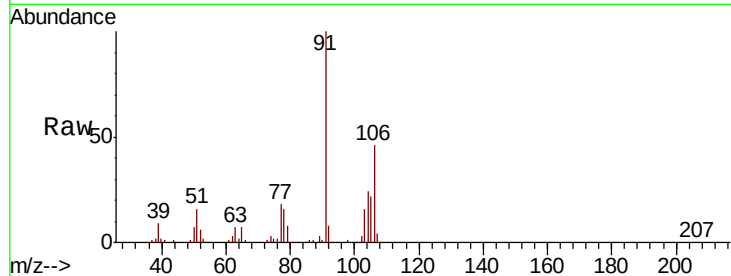




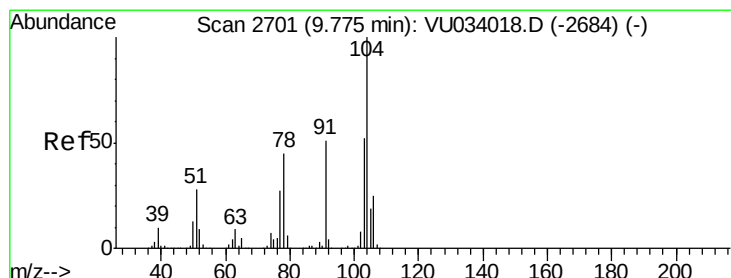
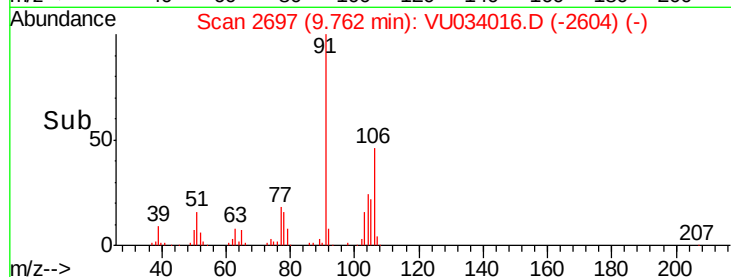
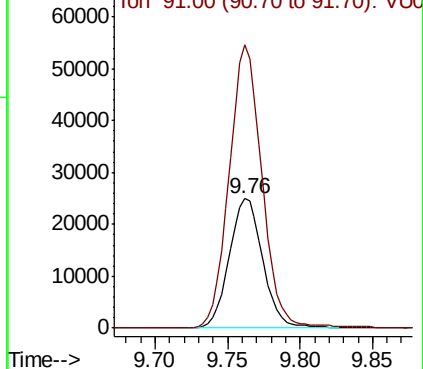
#69
o-Xylene
Concen: 4.863 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 40040
Ion Ratio Lower Upper
106 100
91 215.5 106.0 318.0

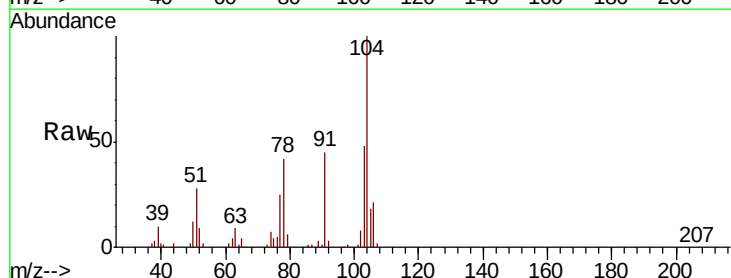


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

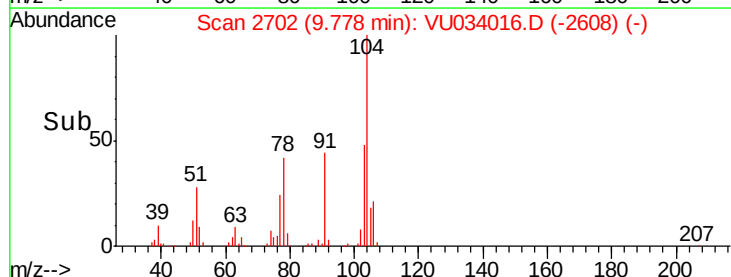
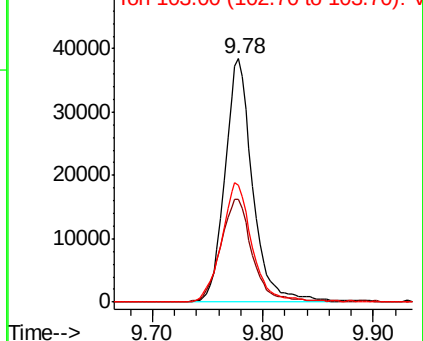


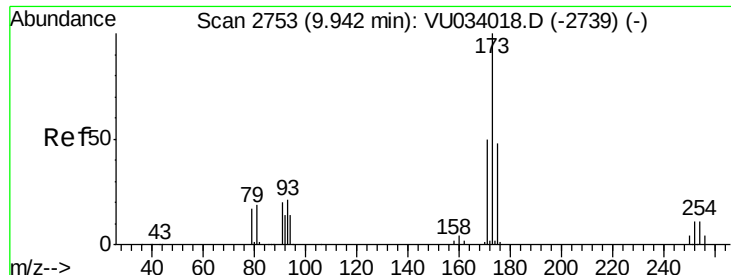
#70
Styrene
Concen: 4.758 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

Tgt Ion:104 Resp: 67086
Ion Ratio Lower Upper
104 100
78 48.2 39.0 58.4
103 53.7 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





#71

Bromoform

Concen: 4.722 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

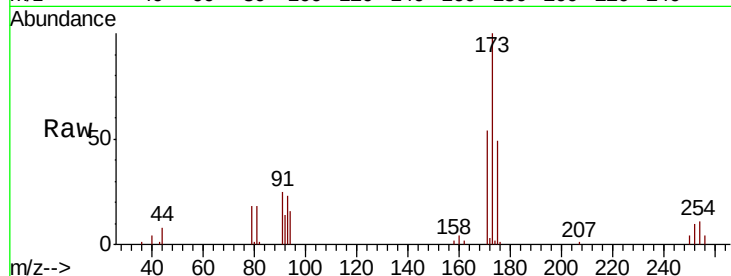
Tgt Ion:173 Resp: 20590

Ion Ratio Lower Upper

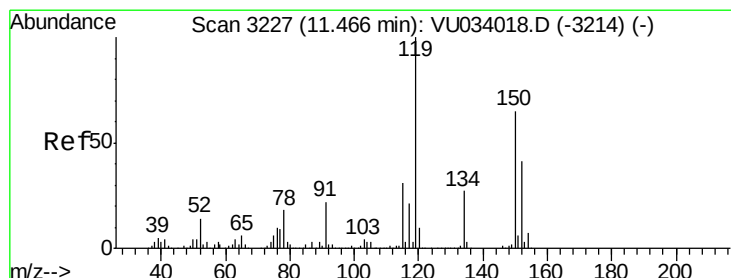
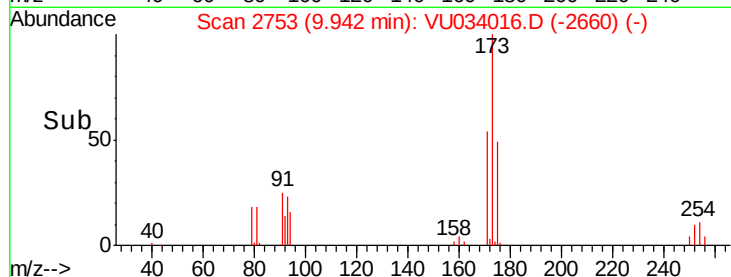
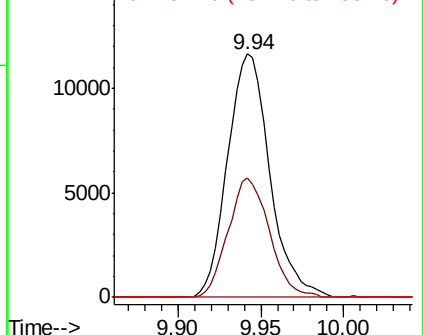
173 100

175 47.9 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: VU034016.D

Acq: 28 Aug 2019 12:02

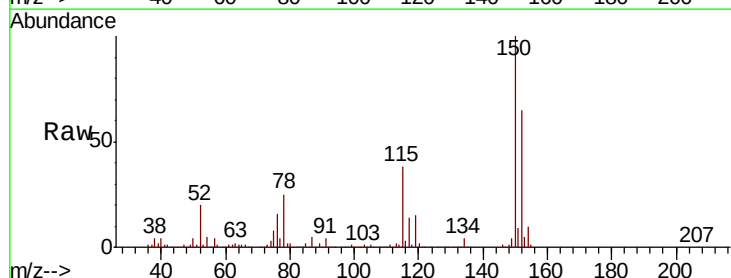
Tgt Ion:152 Resp: 320562

Ion Ratio Lower Upper

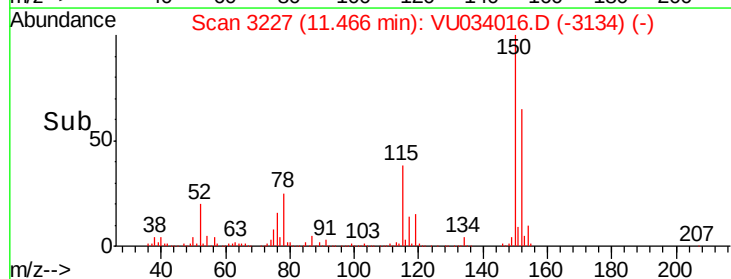
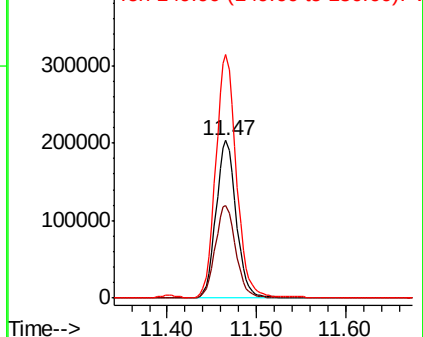
152 100

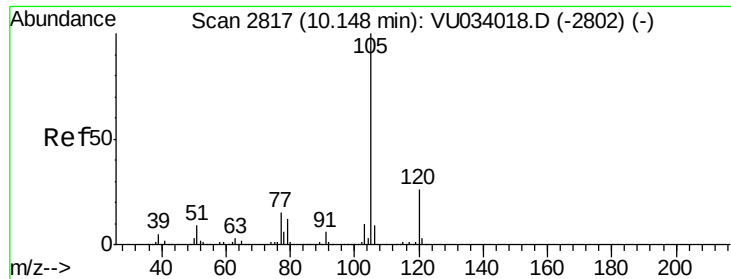
115 59.8 41.1 123.3

150 156.3 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: 5.048 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

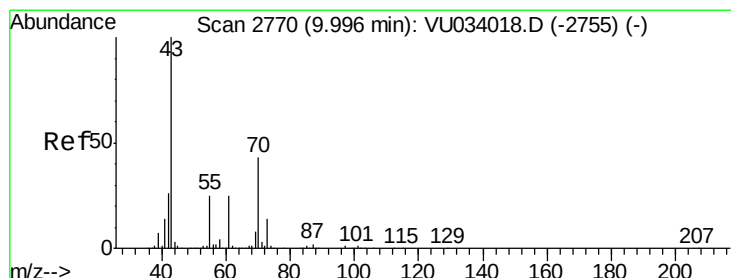
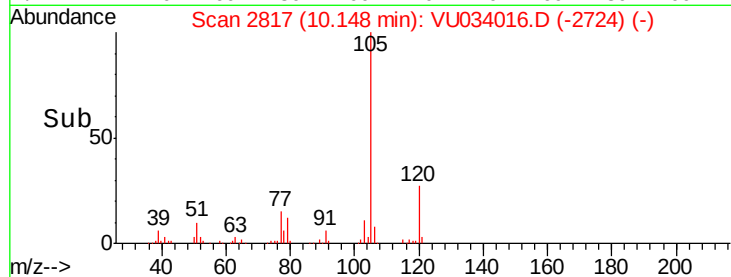
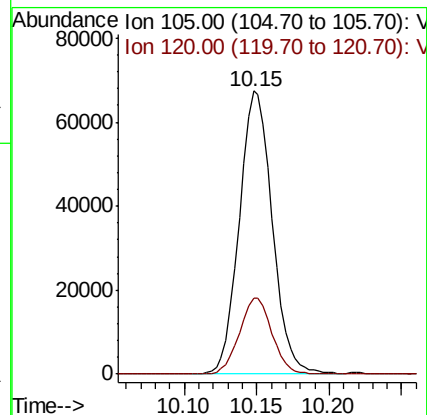
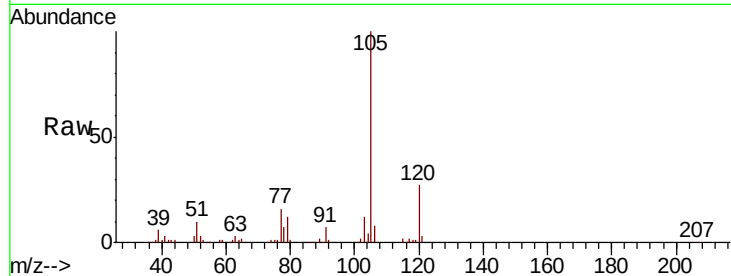
VSTDIC005

Tgt Ion: 105 Resp: 106811

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 5.070 ug/l

RT: 10.00 min Scan# 2771

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Tgt Ion: 43 Resp: 41235

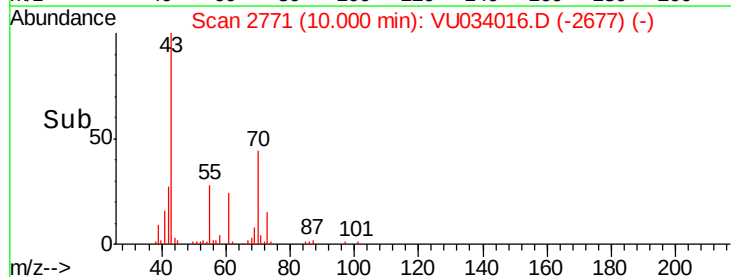
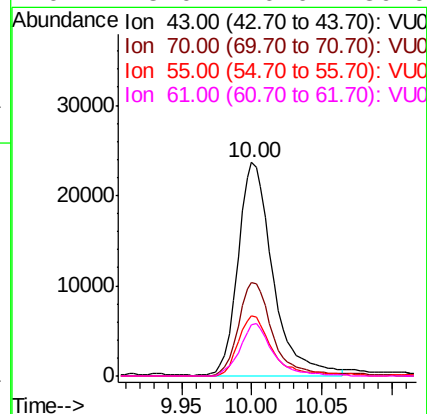
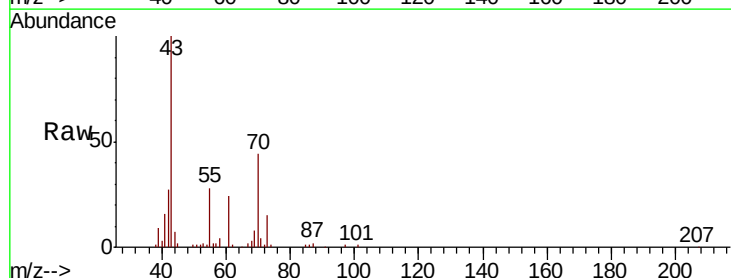
Ion Ratio Lower Upper

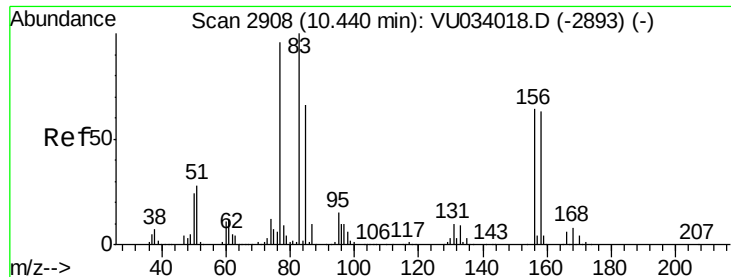
43 100

70 42.6 35.2 52.8

55 27.2 20.5 30.7

61 23.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.591 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

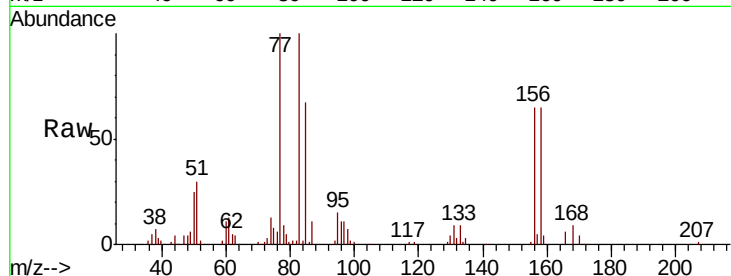
Tgt Ion: 83 Resp: 43002

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

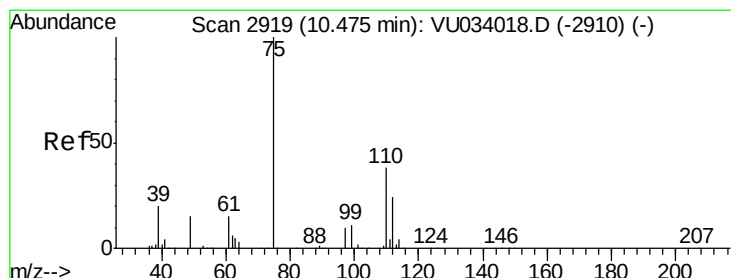
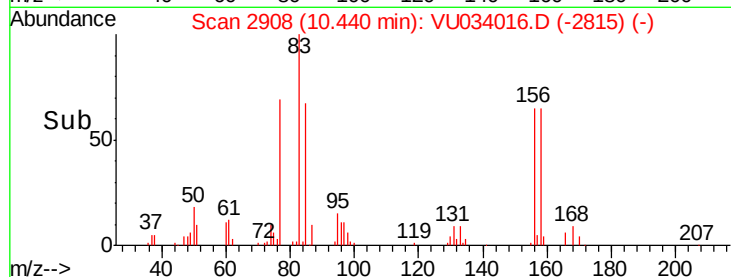
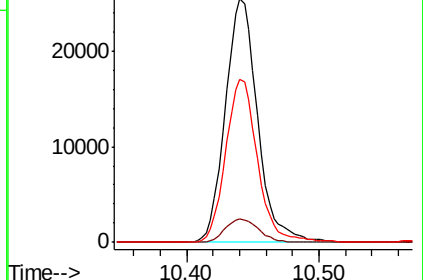
85 66.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VU034018.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU034018.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU034018.D (-2893) (-)



#76

1,2,3-Trichloropropane

Concen: 1.714 ug/l

RT: 10.21 min Scan# 2835

Delta R.T. -0.27 min

Lab File: VU034016.D

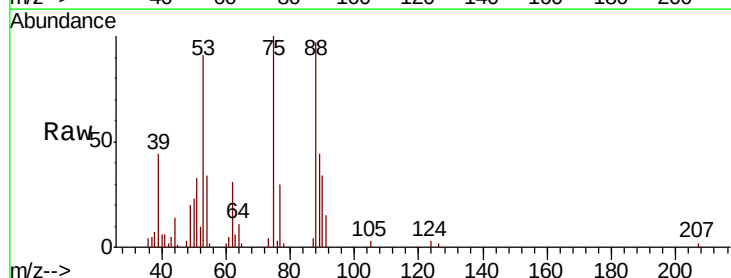
Acq: 28 Aug 2019 12:02

Tgt Ion: 75 Resp: 11298

Ion Ratio Lower Upper

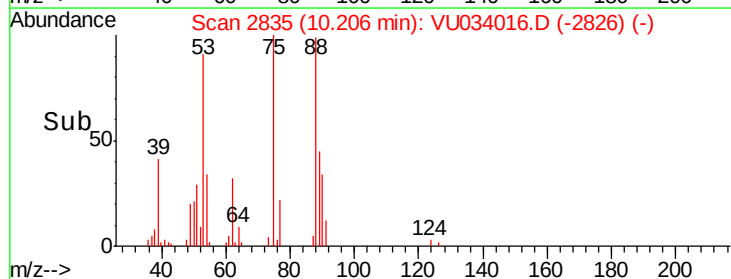
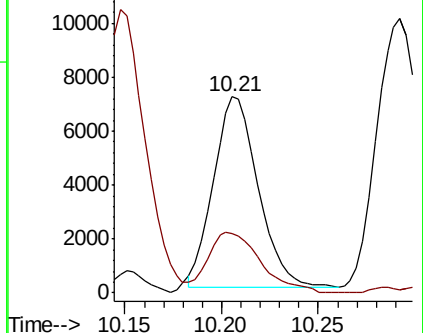
75 100

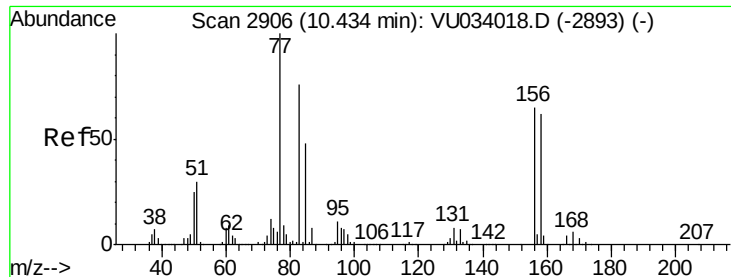
77 37.6 20.1 60.2



Abundance Ion 74.90 (74.60 to 75.60): VU034016.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034016.D (-2826) (-)





#77

Bromobenzene

Concen: 4.969 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

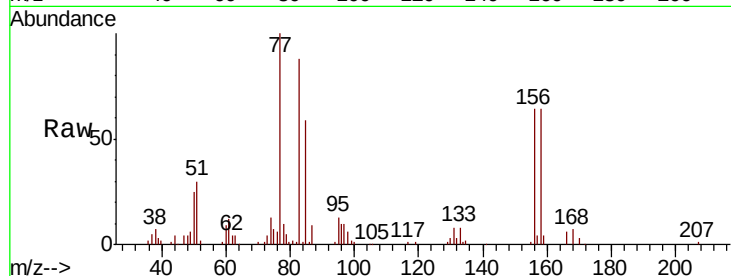
Tgt Ion:156 Resp: 29439

Ion Ratio Lower Upper

156 100

77 156.2 76.8 230.5

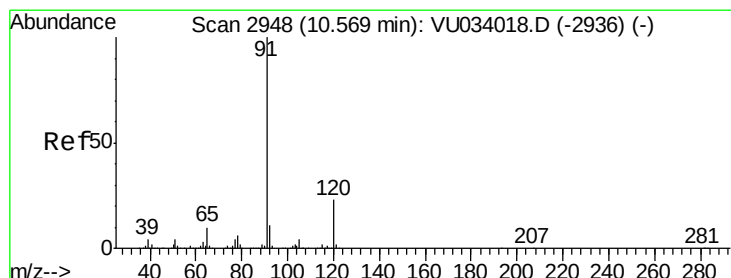
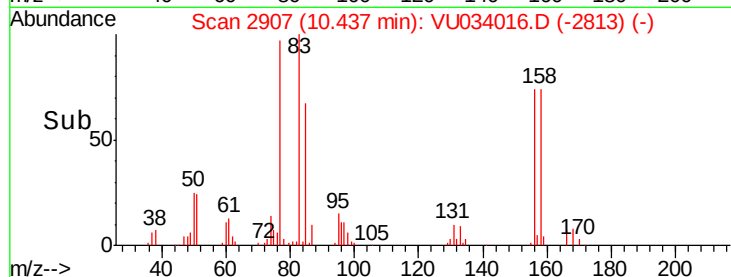
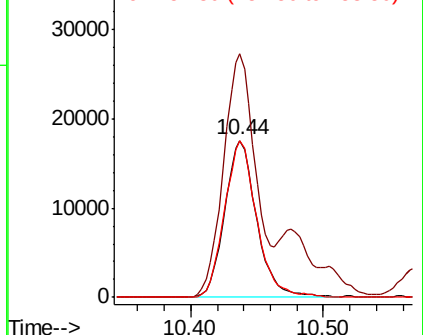
158 100.3 48.4 145.0



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: 5.051 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU034016.D

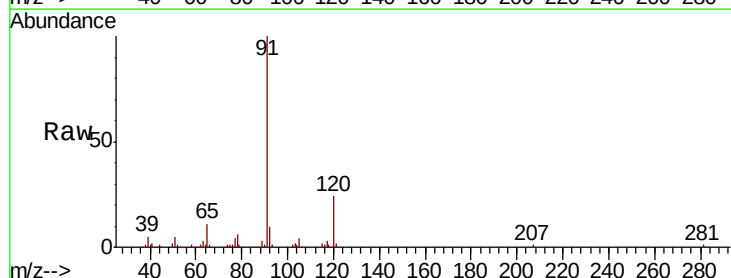
Acq: 28 Aug 2019 12:02

Tgt Ion: 91 Resp: 121696

Ion Ratio Lower Upper

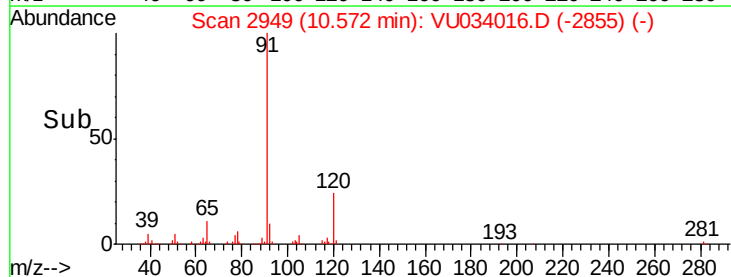
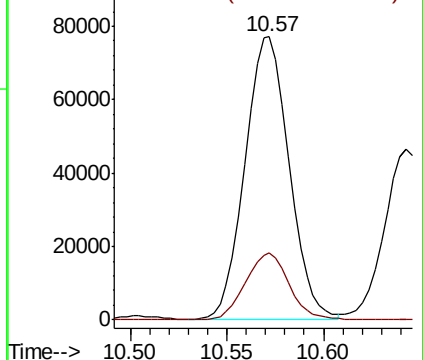
91 100

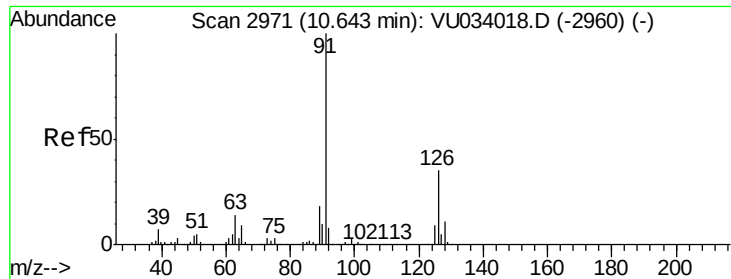
120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

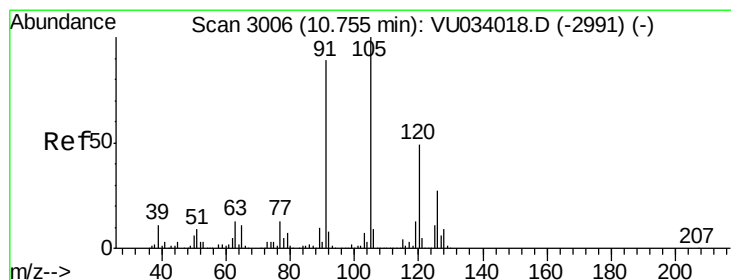
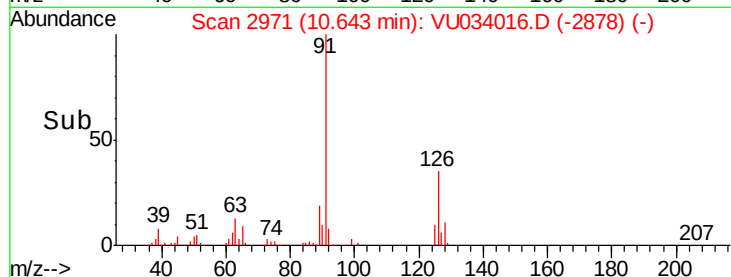
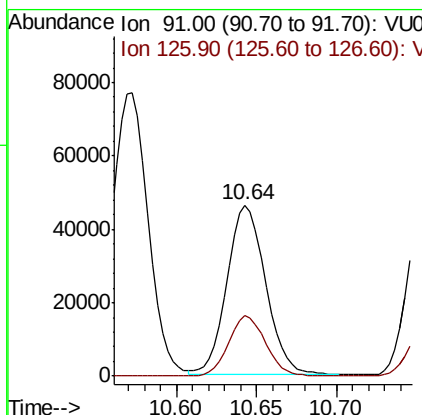
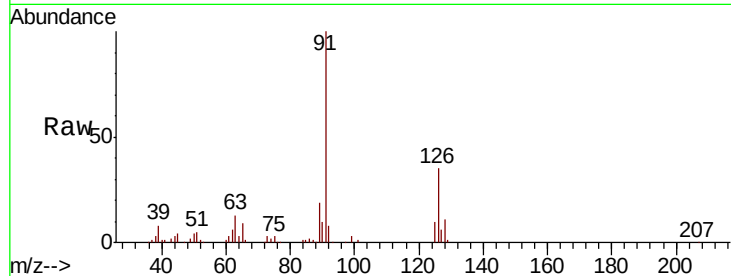




#79
 2-Chlorotoluene
 Concen: 5.248 ug/l
 RT: 10.64 min Scan# 2971
 Delta R.T. 0.00 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

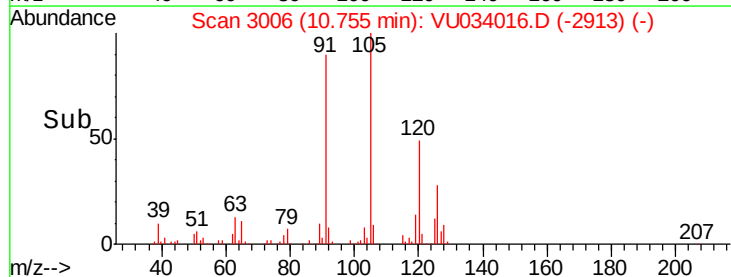
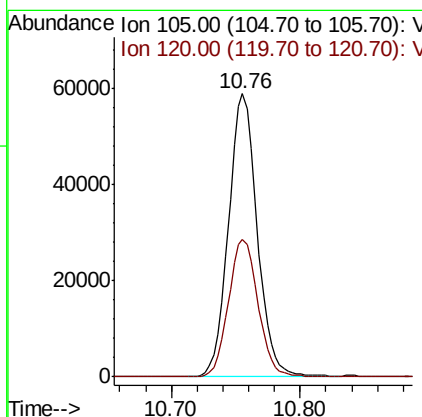
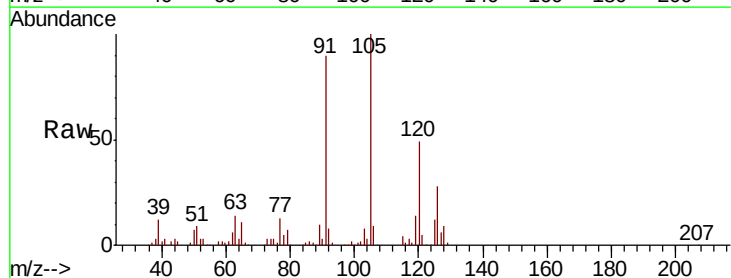
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

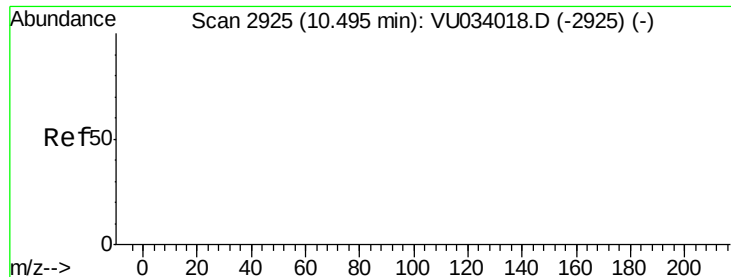
Tgt Ion: 91 Resp: 76367
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 5.024 ug/l
 RT: 10.76 min Scan# 3006
 Delta R.T. 0.00 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

Tgt Ion: 105 Resp: 90939
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.6 73.6

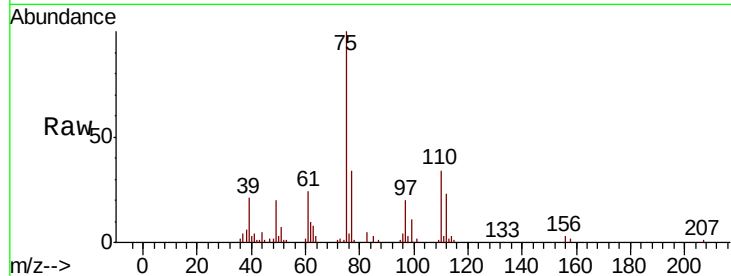




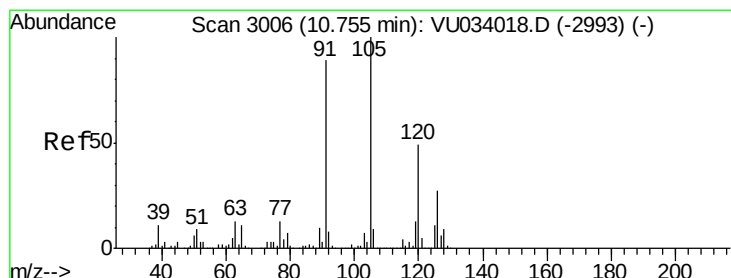
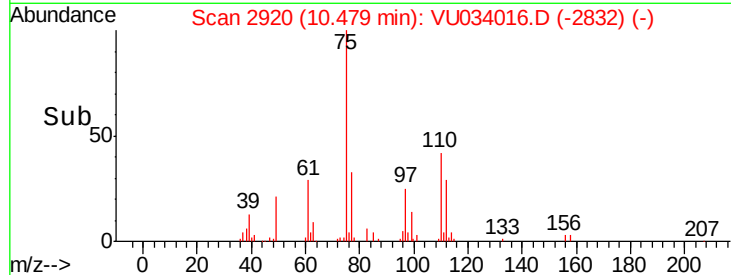
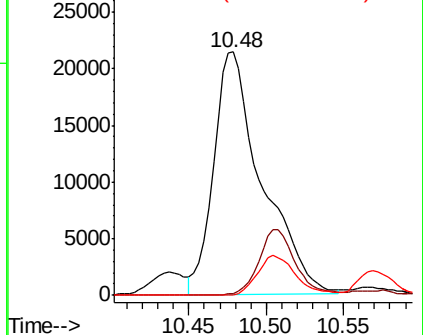
#81
 trans-1,4-Dichloro-2-butene
 Concen: 20.982 ug/l
 RT: 10.48 min Scan# 2920
 Delta R.T. -0.02 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 75 Resp: 46521
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

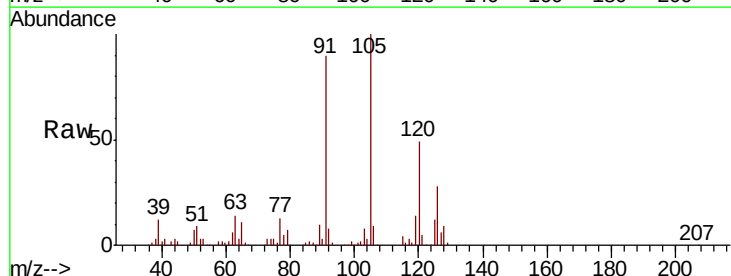


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 53.00 (52.70 to 53.70): VU0
 Ion 88.90 (88.60 to 89.60): VU0

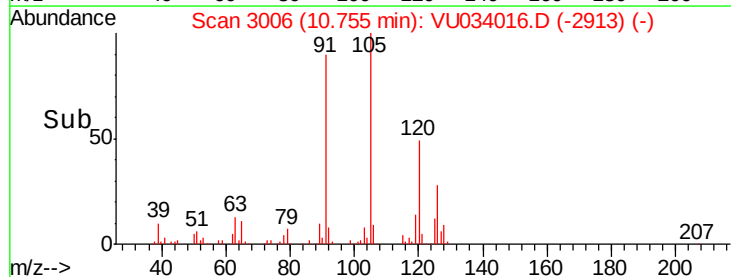
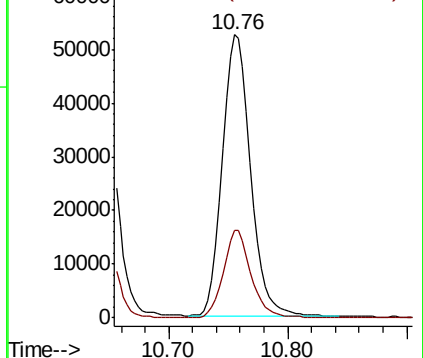


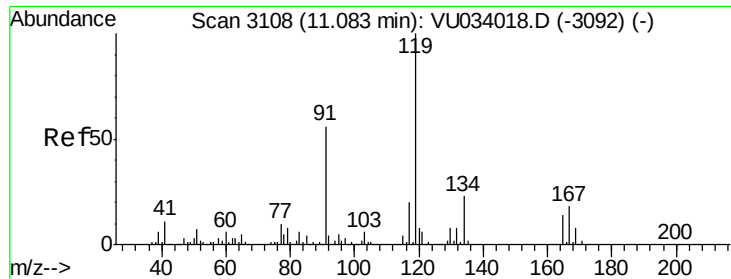
#82
 4-Chlorotoluene
 Concen: 5.144 ug/l
 RT: 10.76 min Scan# 3006
 Delta R.T. 0.00 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

Tgt Ion: 91 Resp: 86417
 Ion Ratio Lower Upper
 91 100
 126 30.4 15.0 45.1



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 125.90 (125.60 to 126.60): V

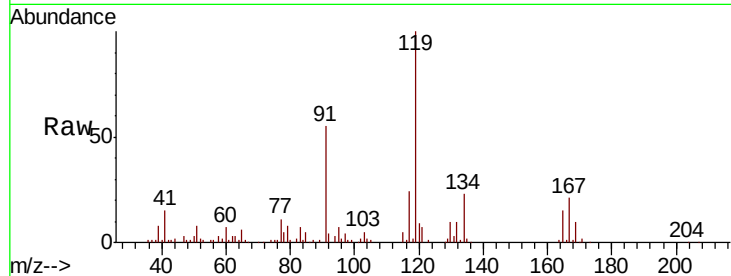




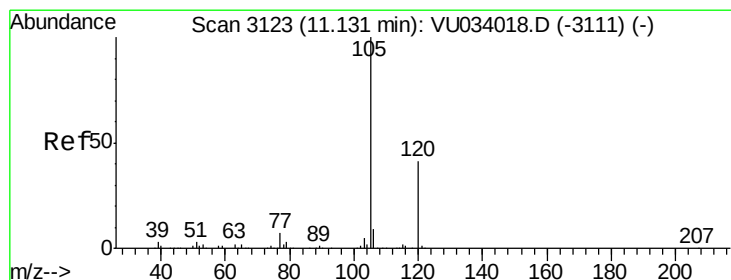
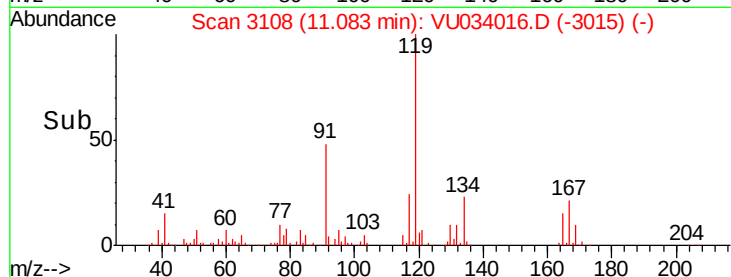
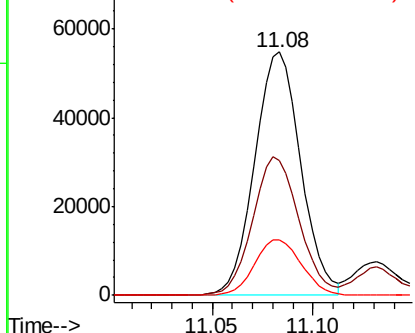
#83
 tert-Butylbenzene
 Concen: 4.947 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:119 Resp: 87244
 Ion Ratio Lower Upper
 119 100
 91 57.5 27.9 83.6
 134 23.4 11.4 34.2

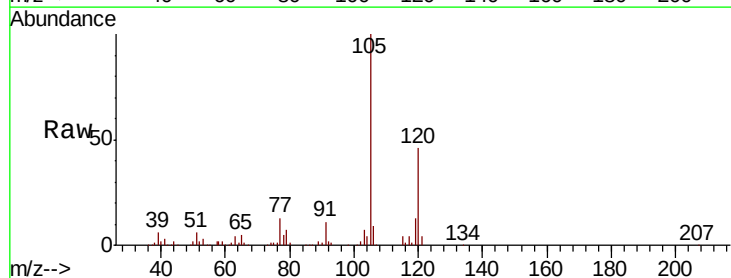


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

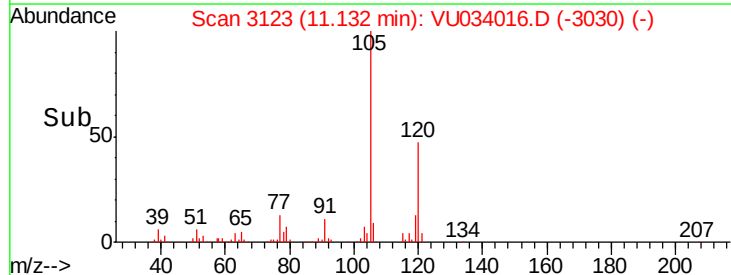
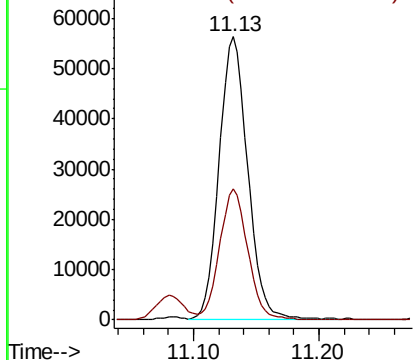


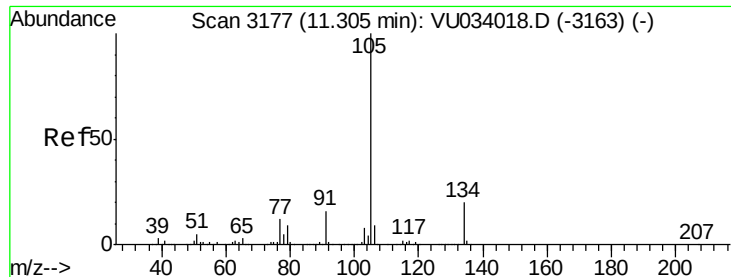
#84
 1,2,4-Trimethylbenzene
 Concen: 4.929 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

Tgt Ion:105 Resp: 87805
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.6 67.8



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





#85

sec-Butylbenzene

Concen: 5.187 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

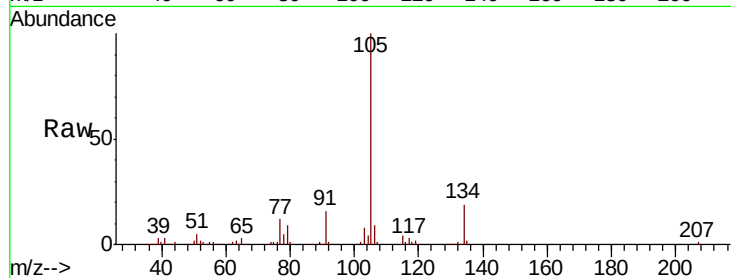
VSTDIC005

Tgt Ion:105 Resp: 109055

Ion Ratio Lower Upper

105 100

134 18.8 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.31

80000

60000

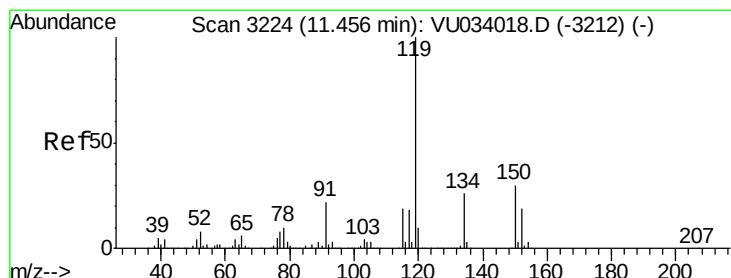
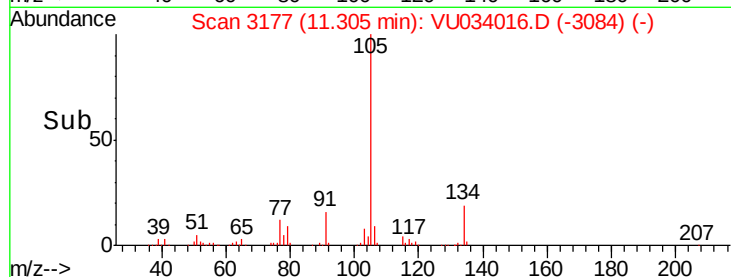
40000

20000

0

Time-->

11.25 11.30 11.35 11.40



#86

p-Isopropyltoluene

Concen: 4.830 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

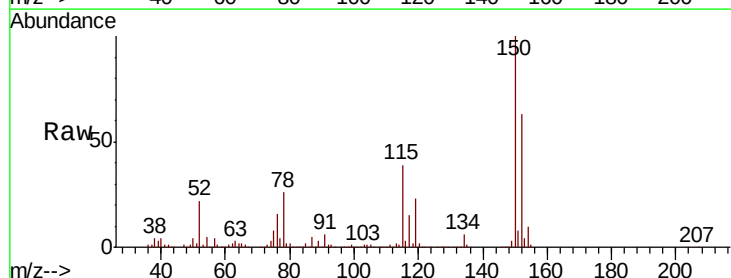
Tgt Ion:119 Resp: 94531

Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.1

91 24.7 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.46

80000

60000

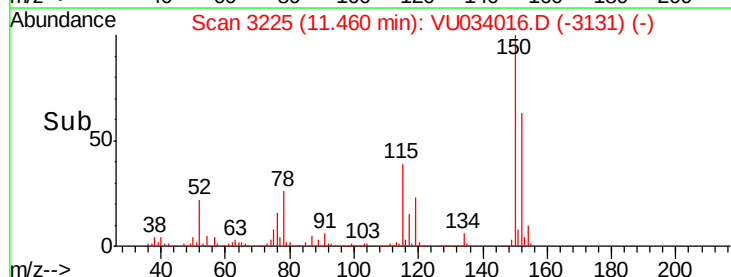
40000

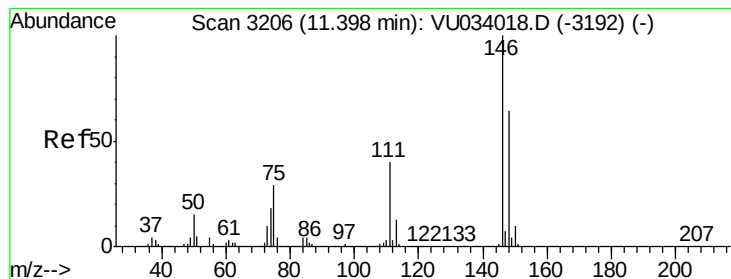
20000

0

Time-->

11.40 11.45 11.50





#87

1,3-Dichlorobenzene

Concen: 5.000 ug/l

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

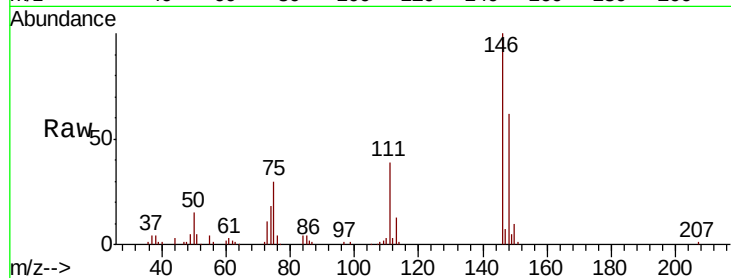
Tgt Ion:146 Resp: 52496

Ion Ratio Lower Upper

146 100

111 39.5 19.9 59.6

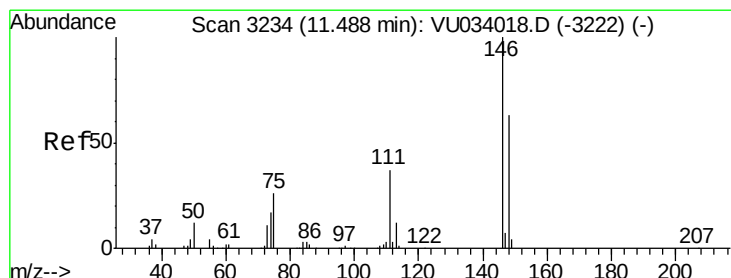
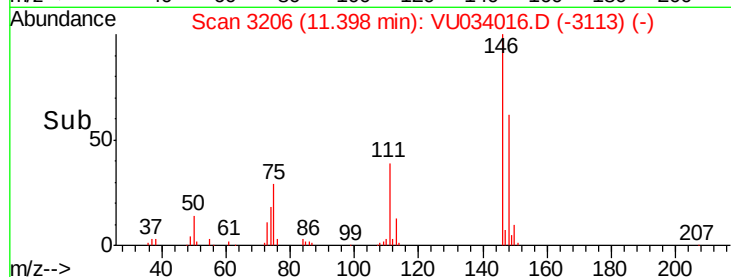
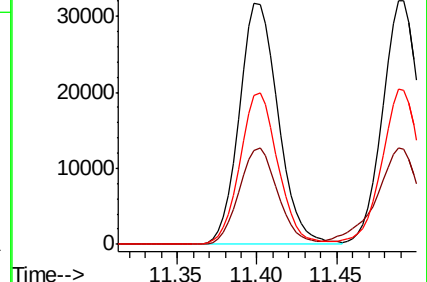
148 61.1 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 4.962 ug/l

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

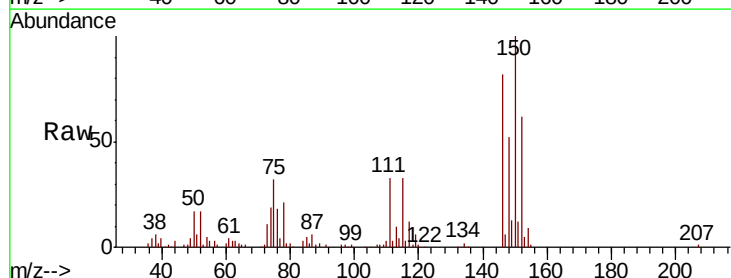
Tgt Ion:146 Resp: 52537

Ion Ratio Lower Upper

146 100

111 44.6 19.2 57.6

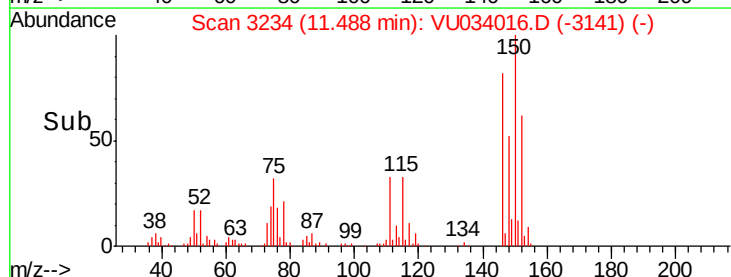
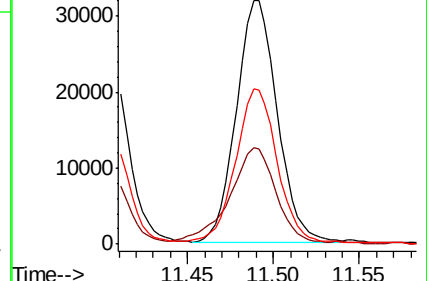
148 65.3 31.9 95.9

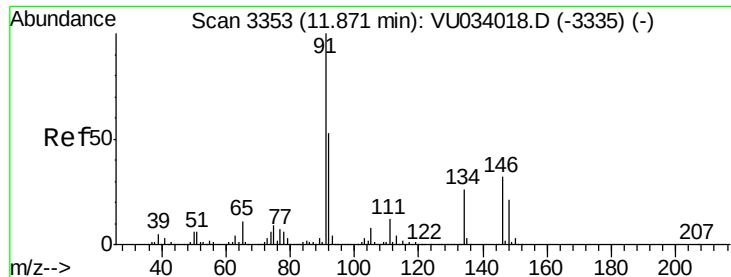


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 4.704 ug/l

RT: 11.87 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

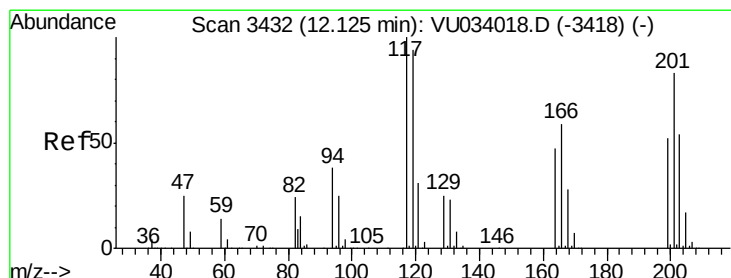
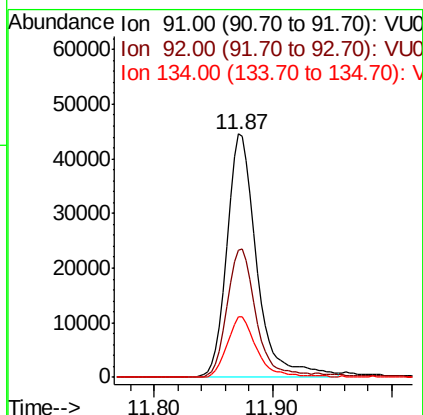
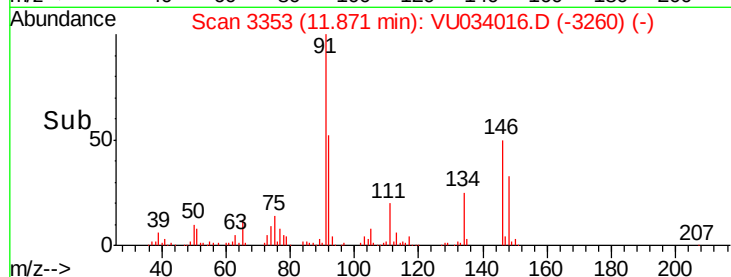
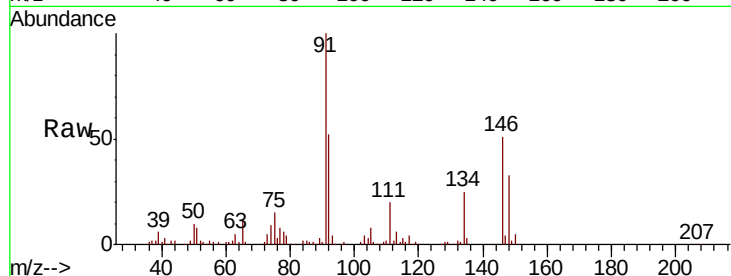
Tgt Ion: 91 Resp: 77766

Ion Ratio Lower Upper

91 100

92 51.9 26.3 78.9

134 24.8 12.9 38.7



#90

Hexachloroethane

Concen: 5.068 ug/l

RT: 12.13 min Scan# 3432

Delta R.T. 0.00 min

Lab File: VU034016.D

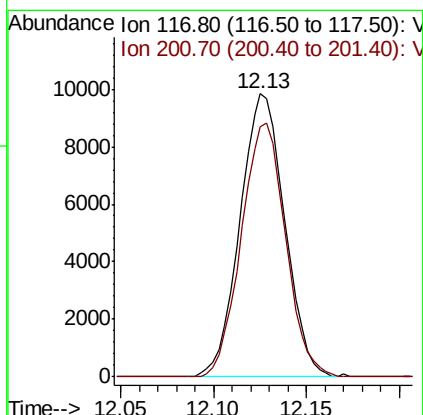
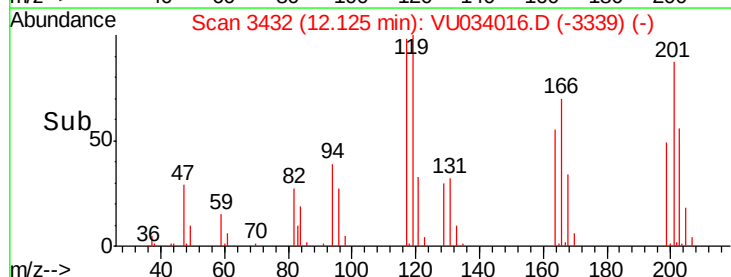
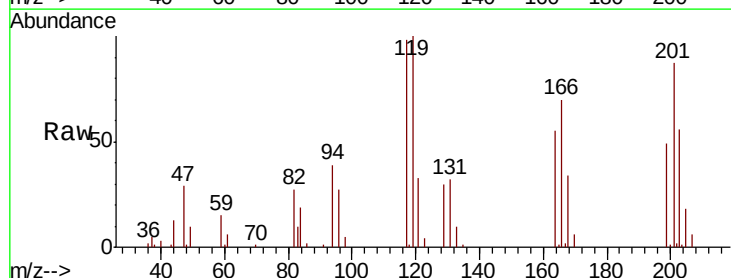
Acq: 28 Aug 2019 12:02

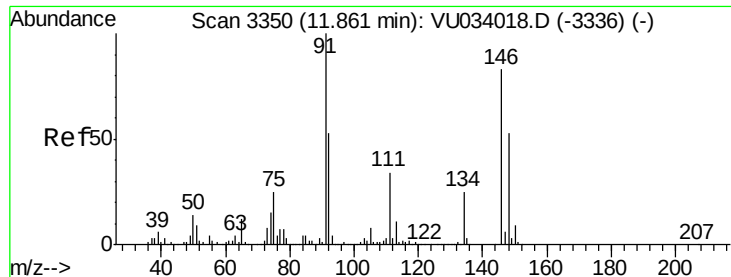
Tgt Ion: 117 Resp: 16466

Ion Ratio Lower Upper

117 100

201 88.8 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 4.837 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

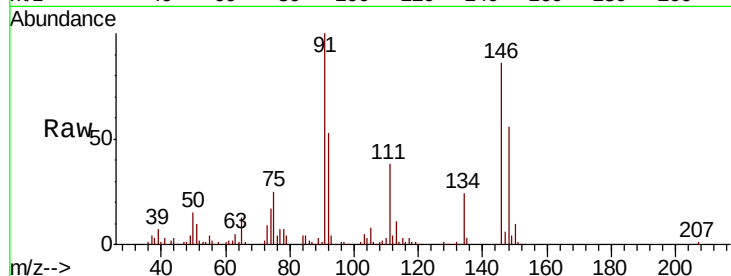
Tgt Ion:146 Resp: 49885

Ion Ratio Lower Upper

146 100

111 41.6 20.4 61.2

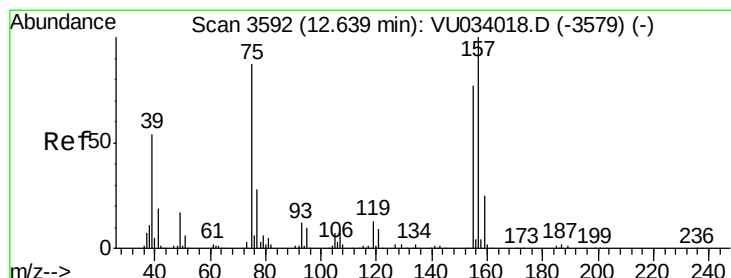
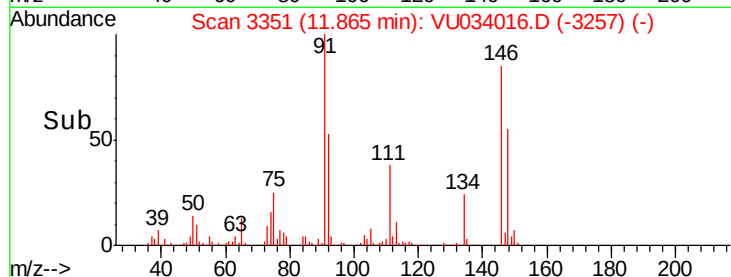
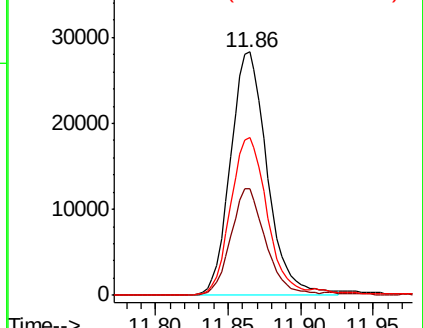
148 65.4 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.624 ug/l

RT: 12.64 min Scan# 3593

Delta R.T. 0.00 min

Lab File: VU034016.D

Acq: 28 Aug 2019 12:02

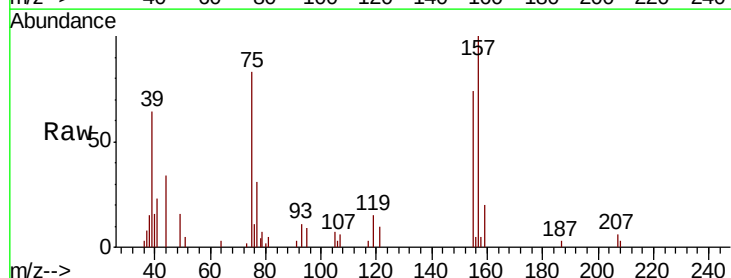
Tgt Ion: 75 Resp: 7051

Ion Ratio Lower Upper

75 100

155 88.1 43.5 130.7

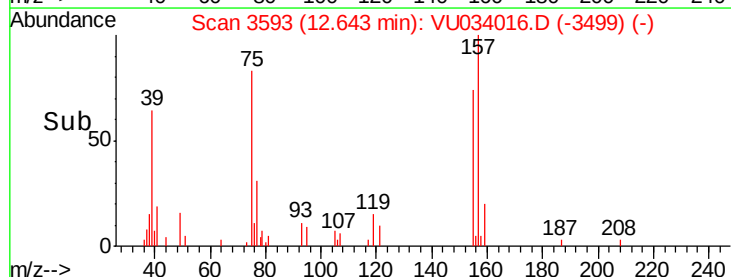
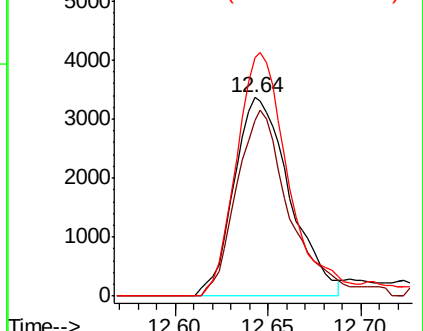
157 114.6 56.9 170.6

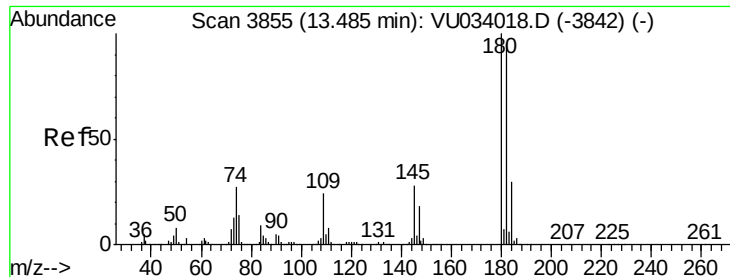


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

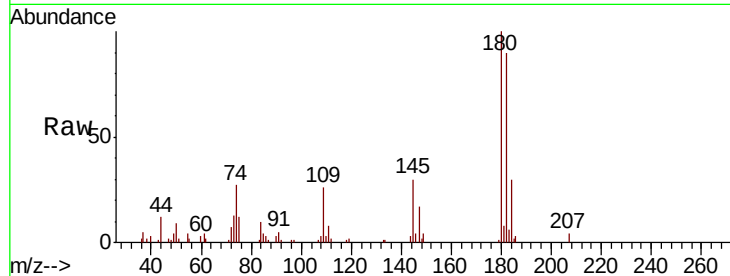




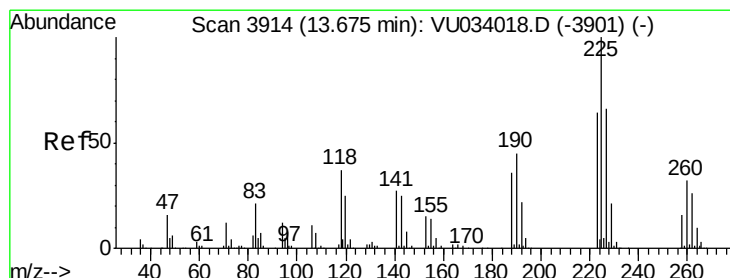
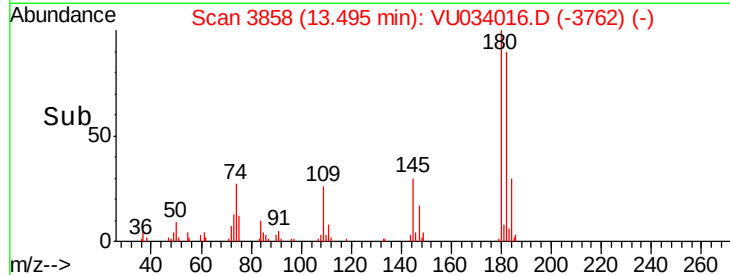
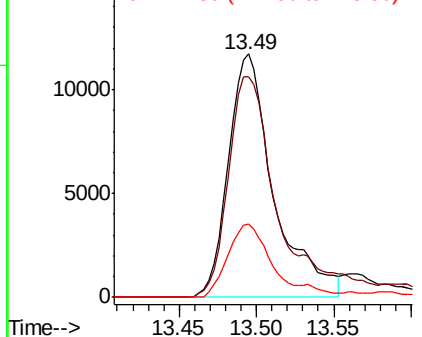
#93
 1,2,4-Trichlorobenzene
 Concen: 3.782 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 23878
 Ion Ratio Lower Upper
 180 100
 182 100.3 47.4 142.2
 145 27.6 14.1 42.3

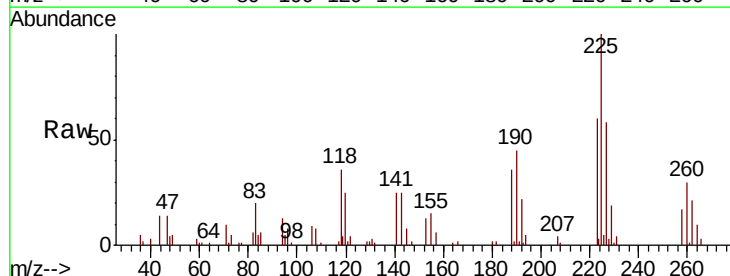


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

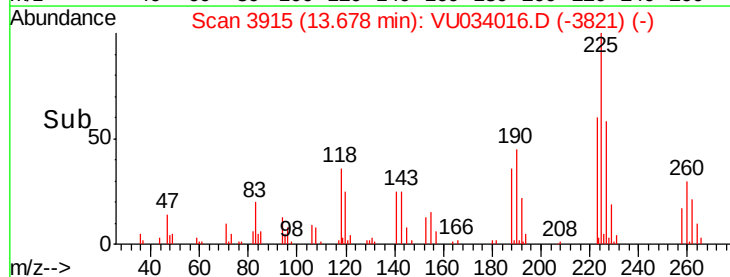
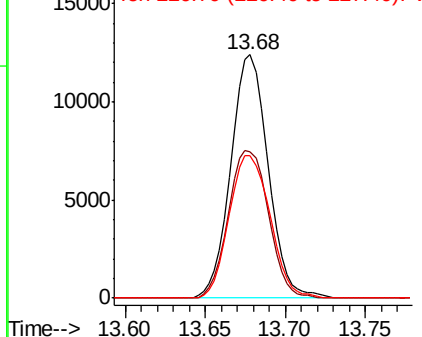


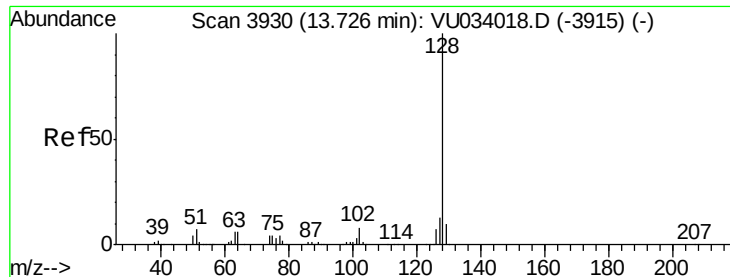
#94
 Hexachlorobutadiene
 Concen: 4.710 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU034016.D
 Acq: 28 Aug 2019 12:02

Tgt Ion:225 Resp: 19712
 Ion Ratio Lower Upper
 225 100
 223 65.2 31.8 95.3
 227 64.2 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

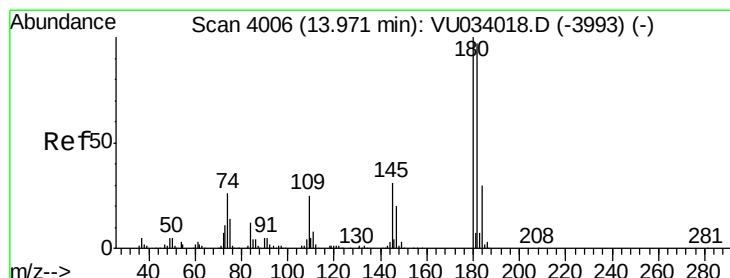
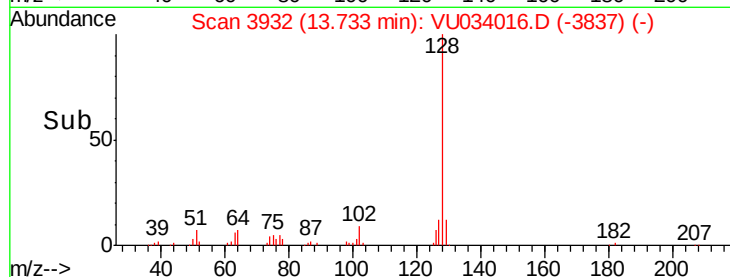
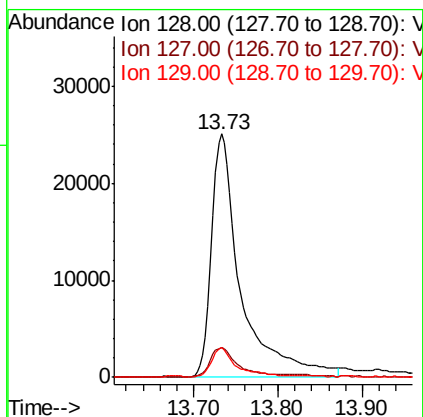
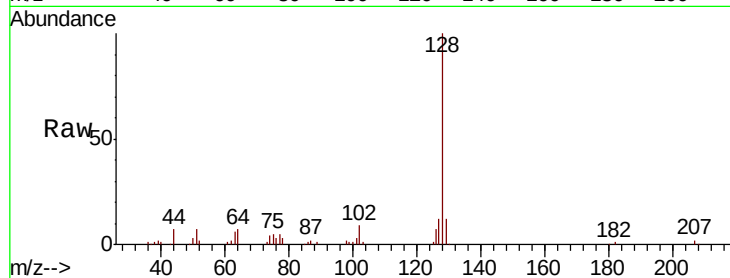




#95
Naphthalene
Concen: 3.643 ug/l
RT: 13.73 min Scan# 3932
Delta R.T. 0.01 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 60983
Ion Ratio Lower Upper
128 100
127 11.6 10.2 15.4
129 10.4 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 4.020 ug/l
RT: 13.98 min Scan# 4008
Delta R.T. 0.01 min
Lab File: VU034016.D
Acq: 28 Aug 2019 12:02

Tgt Ion:180 Resp: 26218
Ion Ratio Lower Upper
180 100
182 99.6 48.2 144.6
145 27.6 15.5 46.5

