

Data File : VU033976.D
Acq On : 27 Aug 2019 16:18
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Quant Time: Aug 28 02:03:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 01:57:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	350364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	519144	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	511671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	279984	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.28	65	374535	76.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	153.08%	
35) Dibromofluoromethane	4.86	113	335807	91.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.76%	
50) Toluene-d8	7.55	98	1304120	96.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.32%	
62) 4-Bromofluorobenzene	10.29	95	501943	97.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	358616	90.289	ug/l	98
3) Chloromethane	1.32	50	389842	82.013	ug/l	100
4) Vinyl Chloride	1.40	62	358455	69.498	ug/l	99
5) Bromomethane	1.59	94	215608	76.315	ug/l	99
6) Chloroethane	1.67	64	202958	62.572	ug/l	98
7) Trichlorofluoromethane	1.86	101	450594	71.832	ug/l	100
8) Diethyl Ether	2.09	74	168815	63.507	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	286561	77.759	ug/l	99
10) Methyl Iodide	2.39	142	474594	115.567	ug/l	99
11) Tert butyl alcohol	2.82	59	462555	449.076	ug/l #	86
12) 1,1-Dichloroethene	2.27	96	294394	77.849	ug/l	97
13) Acrolein	2.18	56	154402	276.330	ug/l	98
14) Allyl chloride	2.57	41	538911	79.132	ug/l	100
15) Acrylonitrile	2.92	53	1040806	395.195	ug/l	99
16) Acetone	2.31	43	870819	306.797	ug/l	100
17) Carbon Disulfide	2.46	76	957258	77.074	ug/l	99
18) Methyl Acetate	2.60	43	456205	71.917	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	1044135	86.655	ug/l	100
20) Methylene Chloride	2.68	84	370457	79.284	ug/l	100
21) trans-1,2-Dichloroethene	2.96	96	341782	82.110	ug/l	98
22) Diisopropyl ether	3.55	45	992135	77.092	ug/l	93
23) Vinyl Acetate	3.50	43	4430026	417.843	ug/l	100
24) 1,1-Dichloroethane	3.42	63	608637	76.254	ug/l	100
25) 2-Butanone	4.23	43	1358433	370.869	ug/l	99
26) 2,2-Dichloropropane	4.20	77	507649	78.154	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	385335	86.050	ug/l	98
28) Bromochloromethane	4.52	49	271813	69.558	ug/l	96
29) Tetrahydrofuran	4.61	42	840095	380.532	ug/l	99
30) Chloroform	4.65	83	599088	75.211	ug/l	99
31) Cyclohexane	4.97	56	535575	76.745	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	537634	82.227	ug/l	100
36) 1,1-Dichloropropene	5.11	75	456038	86.996	ug/l	99
37) Ethyl Acetate	4.35	43	482041	79.168	ug/l	99
38) Carbon Tetrachloride	5.11	117	472555	89.501	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	575595	98.541	ug/l	97
40) Benzene	5.37	78	1381649	88.611	ug/l	99
41) Methacrylonitrile	4.52	41	263117	86.131	ug/l	99
42) 1,2-Dichloroethane	5.38	62	461797	81.035	ug/l	100
43) Isopropyl Acetate	5.53	43	760348	85.379	ug/l	100
44) Trichloroethene	6.16	130	398086	96.665	ug/l	99
45) 1,2-Dichloropropane	6.41	63	371668	86.439	ug/l	97
46) Dibromomethane	6.54	93	248832	89.193	ug/l	98
47) Bromodichloromethane	6.74	83	491743	87.860	ug/l	99
48) Methyl methacrylate	6.60	41	381124	95.245	ug/l	99
49) 1,4-Dioxane	6.59	88	197791	2093.107	ug/l #	98
51) 4-Methyl-2-Pentanone	7.44	43	2597718	430.704	ug/l	99
52) Toluene	7.62	92	913351	100.289	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	566308	97.679	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	608480	94.207	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	370422	92.759	ug/l	98
56) Ethyl methacrylate	8.00	69	597442	110.127	ug/l	98
57) 1,3-Dichloropropane	8.22	76	619129	89.678	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	1067890	551.432	ug/l	99
59) 2-Hexanone	8.35	43	2007878	436.550	ug/l	100
60) Dibromochloromethane	8.46	129	439203	104.198	ug/l	99
61) 1,2-Dibromoethane	8.57	107	403684	97.253	ug/l	100
64) Tetrachloroethene	8.21	164	390872	103.465	ug/l	97
65) Chlorobenzene	9.10	112	1041494	98.613	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	392425	100.104	ug/l	99
67) Ethyl Benzene	9.23	91	1776878	103.040	ug/l	100
68) m/p-Xylenes	9.36	106	1395134	218.551	ug/l	100
69) o-Xylene	9.76	106	672836	110.197	ug/l	99
70) Styrene	9.77	104	1189055	112.735	ug/l	99
71) Bromoform	9.94	173	366620	110.633	ug/l #	99
73) Isopropylbenzene	10.15	105	1829661	105.990	ug/l	100
74) N-amyl acetate	10.00	43	720609	99.409	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	617104	85.384	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	706795	111.082	ug/l	83
77) Bromobenzene	10.43	156	501880	107.727	ug/l	98
78) n-propylbenzene	10.57	91	2098131	102.753	ug/l	100
79) 2-Chlorotoluene	10.64	91	1219971	99.588	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	1589843	107.646	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.48	75	706795	303.955	ug/l #	100
82) 4-Chlorotoluene	10.76	91	1421814	98.897	ug/l	99
83) tert-Butylbenzene	11.08	119	1553360	112.324	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	1601159	111.582	ug/l	100
85) sec-Butylbenzene	11.31	105	1852488	107.223	ug/l	100
86) p-Isopropyltoluene	11.46	119	1746393	110.905	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	887552	101.076	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	883521	97.434	ug/l	99
89) n-Butylbenzene	11.87	91	1507421	107.300	ug/l	99
90) Hexachloroethane	12.13	117	286784	94.665	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	867802	103.007	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	138171	92.962	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082819\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	626725	123.224	ug/l	99
94) Hexachlorobutadiene	13.67	225	356908	111.417	ug/l	98
95) Naphthalene	13.73	128	1729305	124.277	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	611366	119.585	ug/l	100

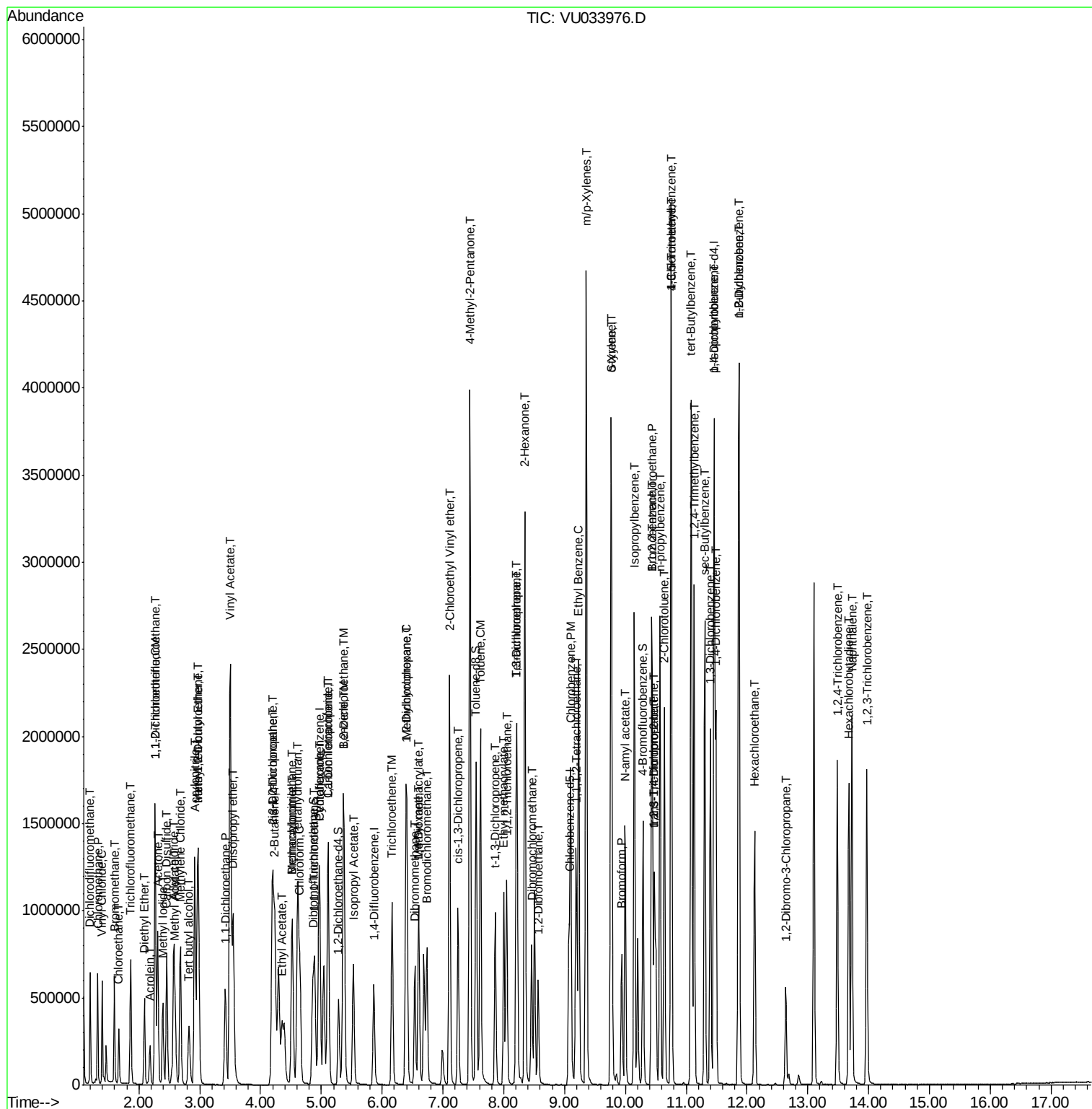
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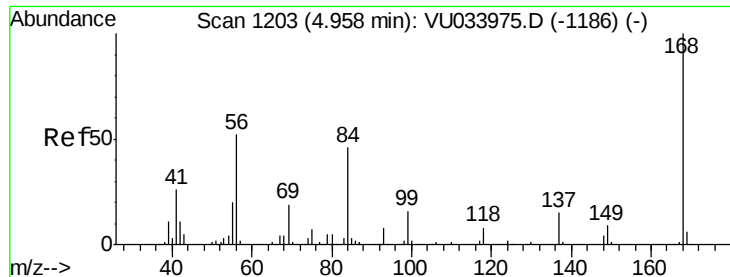
Data File : VU033976.D

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Acq On       : 27 Aug 2019   16:18
Operator    : JC/SP
Sample      : VSTDICC100
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ALS Vial     : 7      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
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Quant Time: Aug 28 02:03:20 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

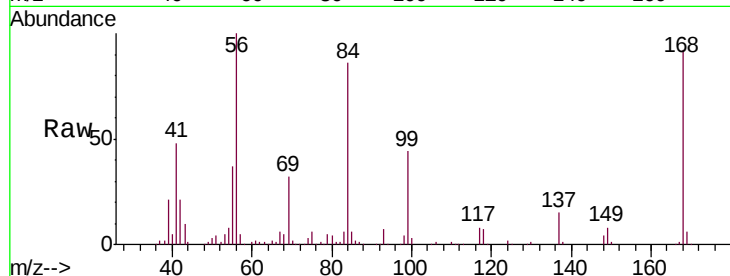
VSTDIC100

Tgt Ion:168 Resp: 350364

Ion Ratio Lower Upper

168 100

99 47.4 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VU033975.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033975.D (-1186) (-)

4.96

150000

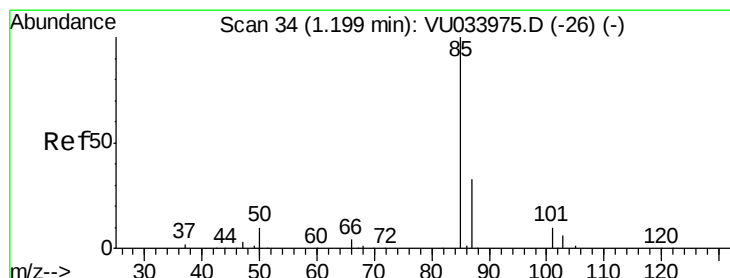
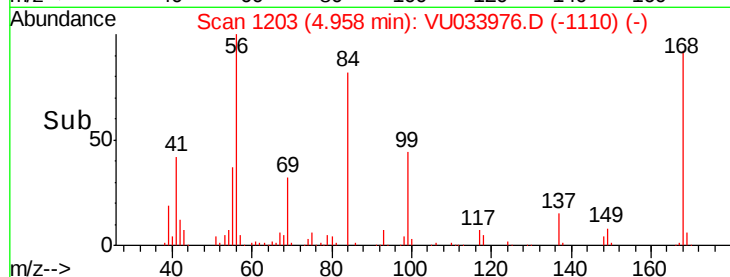
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 90.289 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033976.D

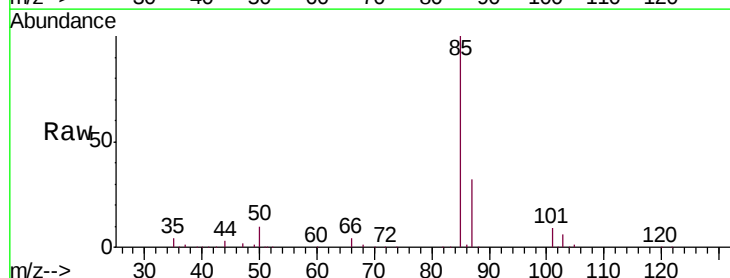
Acq: 27 Aug 2019 16:18

Tgt Ion: 85 Resp: 358616

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VU033975.D (-26) (-)

Ion 86.90 (86.60 to 87.60): VU033975.D (-26) (-)

1.20

400000

300000

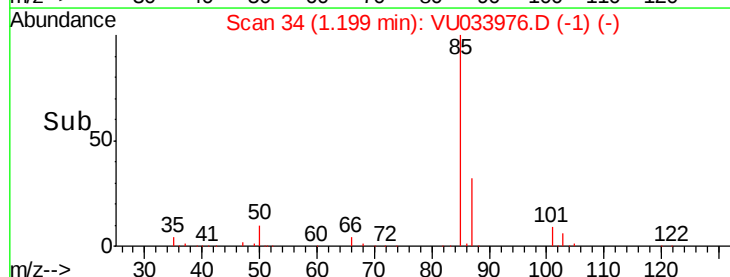
200000

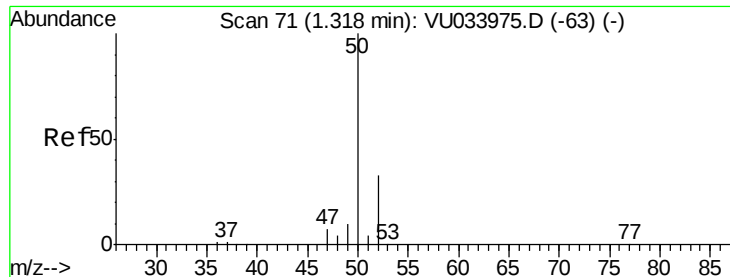
100000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 82.013 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

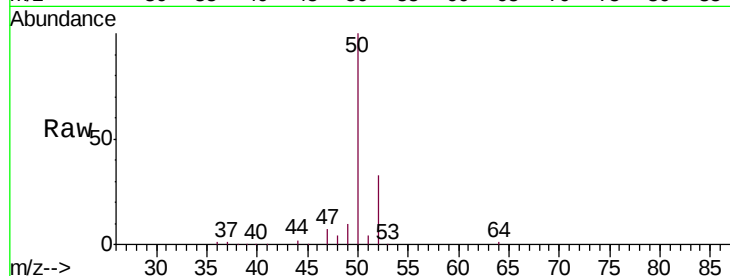
VSTDIC100

Tgt Ion: 50 Resp: 389842

Ion Ratio Lower Upper

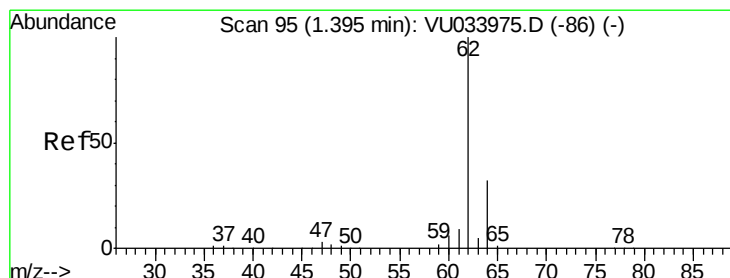
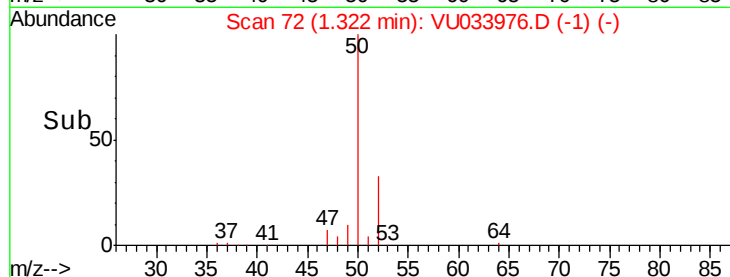
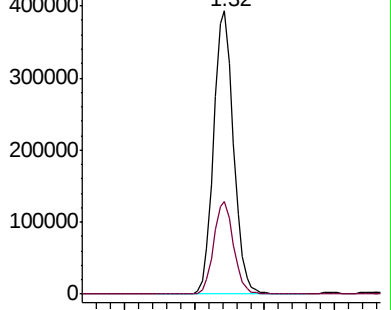
50 100

52 32.7 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VU033975.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU033976.D (-1) (-)



#4

Vinyl Chloride

Concen: 69.498 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033976.D

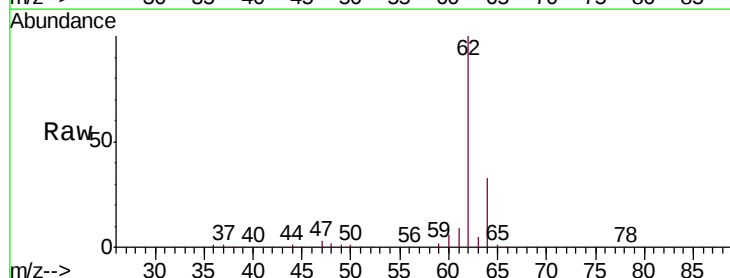
Acq: 27 Aug 2019 16:18

Tgt Ion: 62 Resp: 358455

Ion Ratio Lower Upper

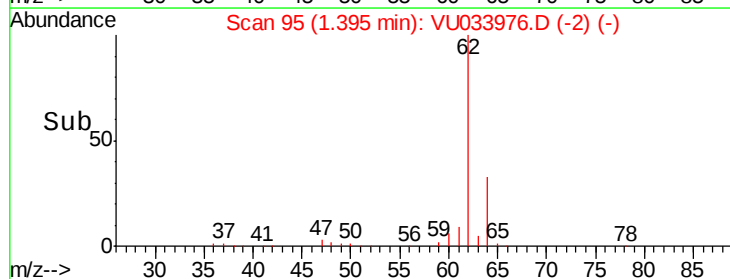
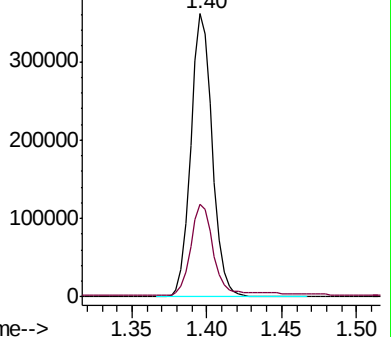
62 100

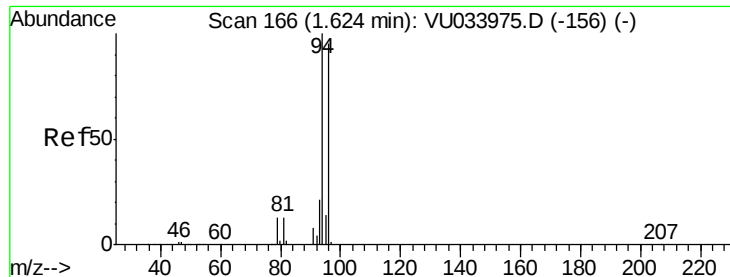
64 32.0 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU033975.D (-86) (-)

Ion 63.90 (63.60 to 64.60): VU033976.D (-2) (-)





#5

Bromomethane

Concen: 76.315 ug/l

RT: 1.59 min Scan# 157

Delta R.T. -0.03 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

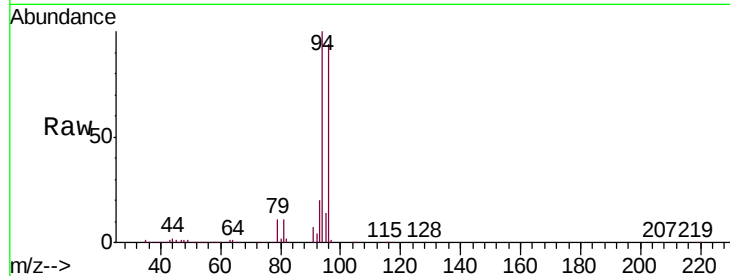
VSTDIC100

Tgt Ion: 94 Resp: 215608

Ion Ratio Lower Upper

94 100

96 94.2 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU033975.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VU033976.D (-73) (-)

1.59

250000

200000

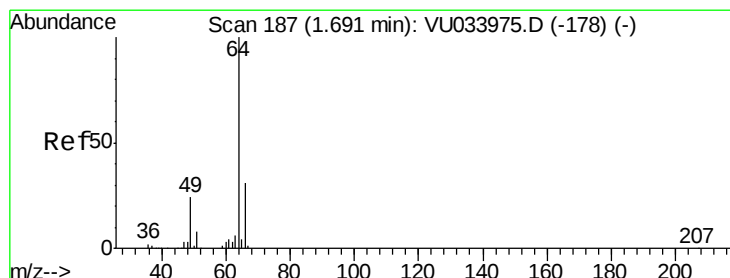
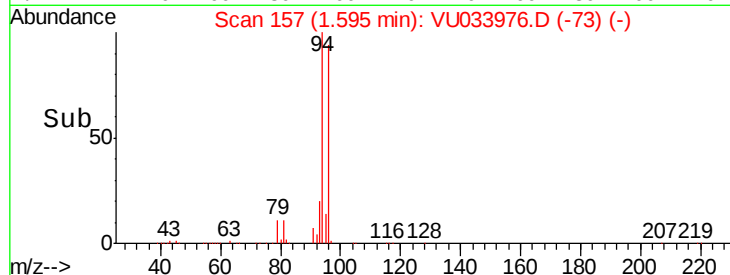
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 62.572 ug/l

RT: 1.67 min Scan# 180

Delta R.T. -0.02 min

Lab File: VU033976.D

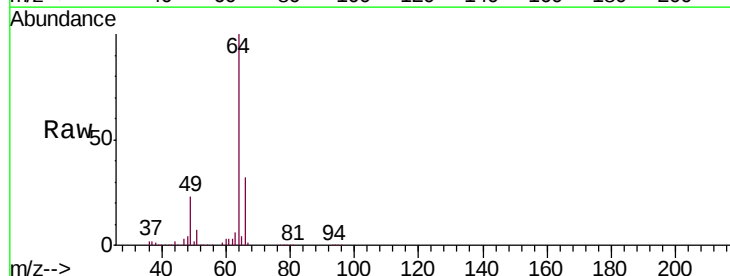
Acq: 27 Aug 2019 16:18

Tgt Ion: 64 Resp: 202958

Ion Ratio Lower Upper

64 100

66 31.9 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VU033975.D (-178) (-)

Ion 65.90 (65.60 to 66.60): VU033976.D (-94) (-)

1.67

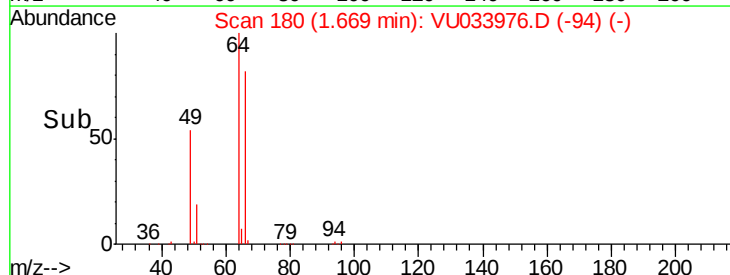
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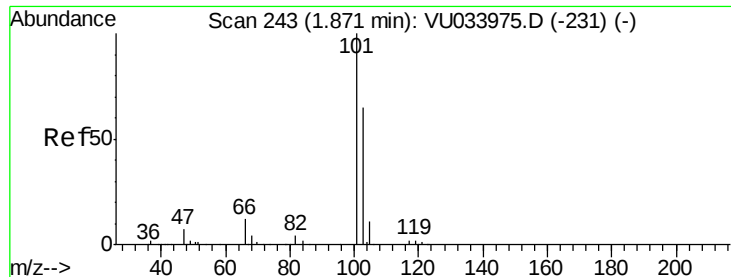
100000

50000

0

Time-->



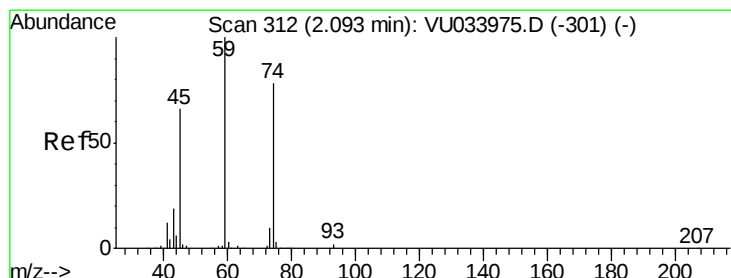
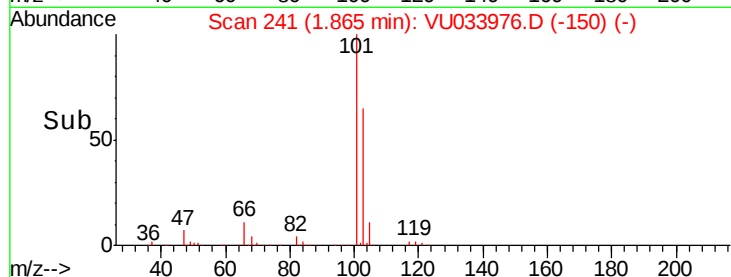
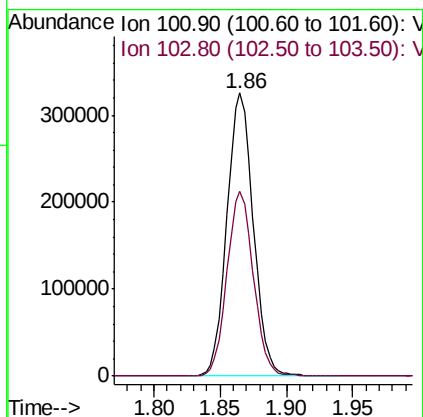
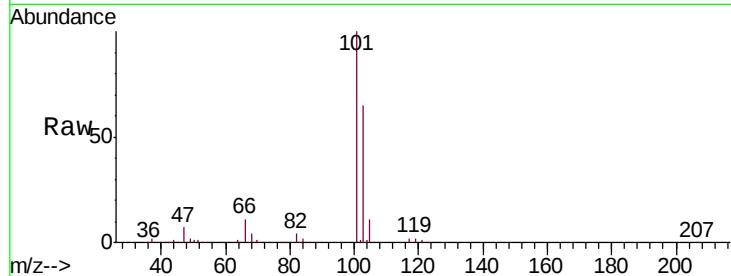


#7

Trichlorofluoromethane
 Concen: 71.832 ug/l
 RT: 1.86 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

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 VSTDIC100

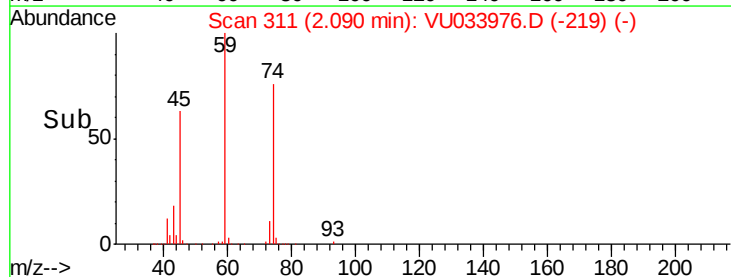
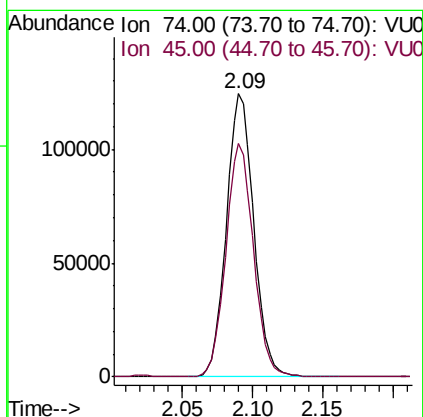
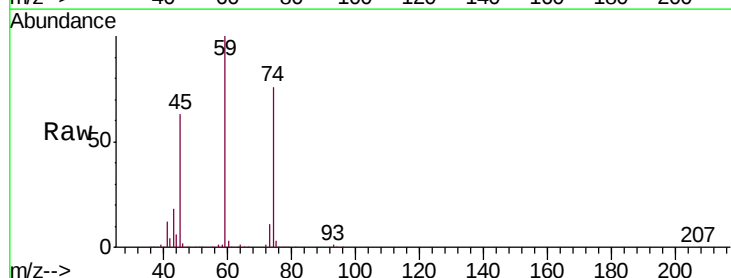
Tgt Ion: 101 Resp: 450594
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.0 78.0

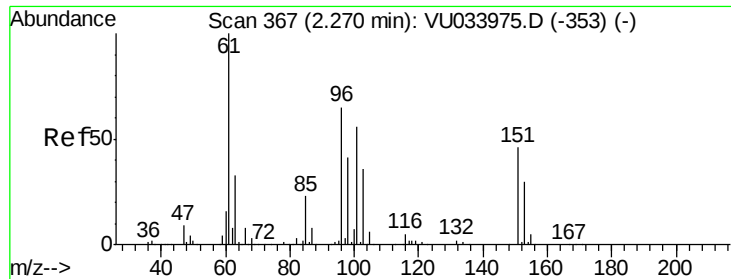


#8

Diethyl Ether
 Concen: 63.507 ug/l
 RT: 2.09 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Tgt Ion: 74 Resp: 168815
 Ion Ratio Lower Upper
 74 100
 45 82.8 42.8 128.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 77.759 ug/l

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033976.D

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Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

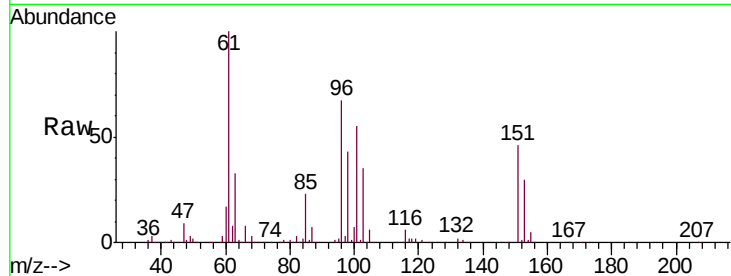
Tgt Ion:101 Resp: 286561

Ion Ratio Lower Upper

101 100

85 41.2 33.4 50.0

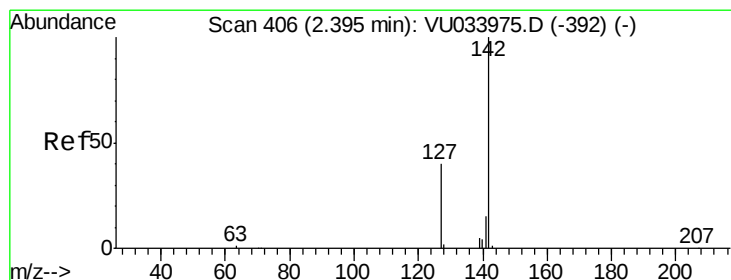
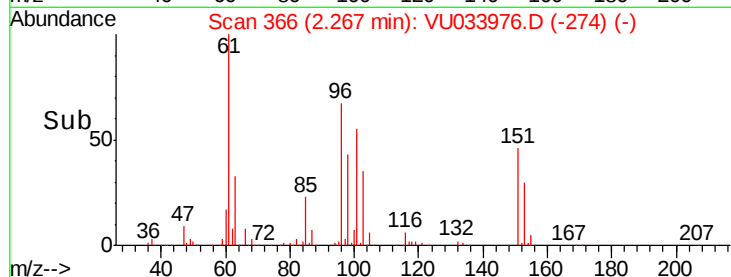
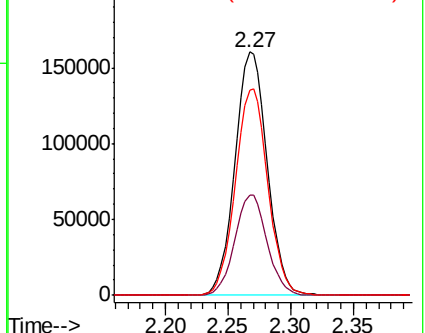
151 85.4 67.6 101.4



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: 115.567 ug/l

RT: 2.39 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

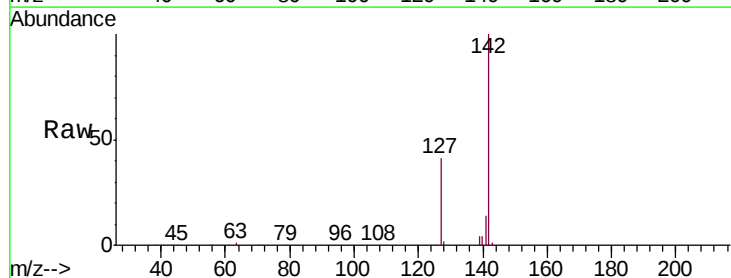
Tgt Ion:142 Resp: 474594

Ion Ratio Lower Upper

142 100

127 40.5 32.2 48.2

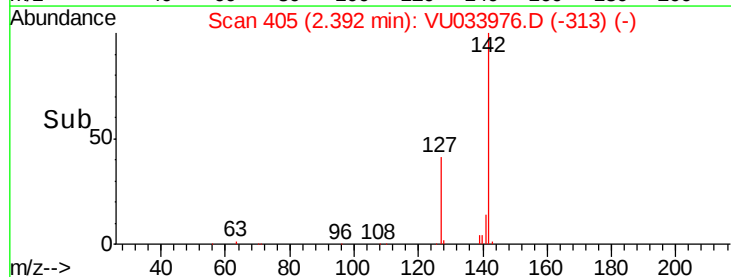
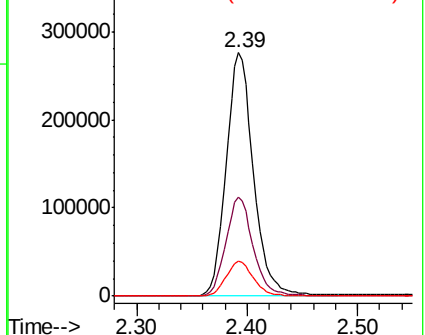
141 14.3 11.8 17.8

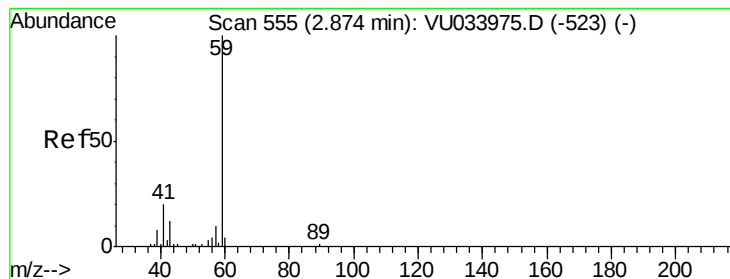


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



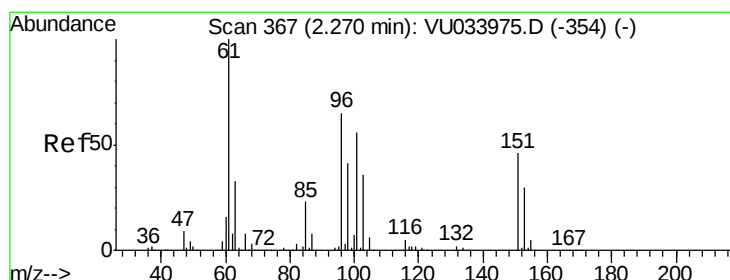
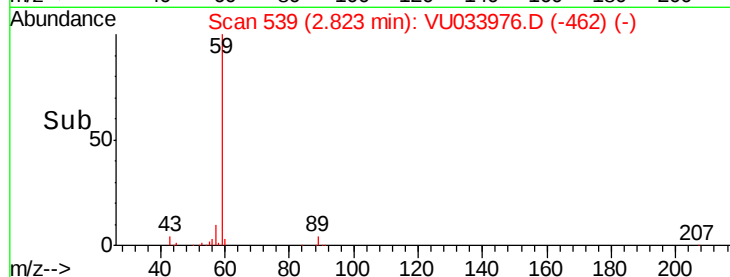
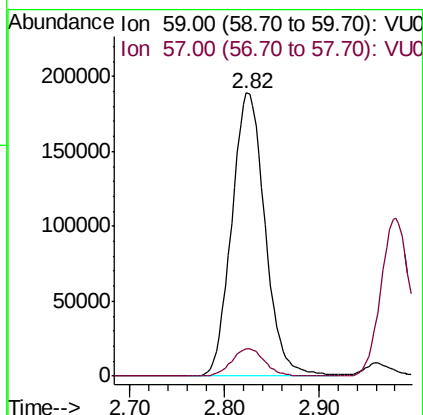
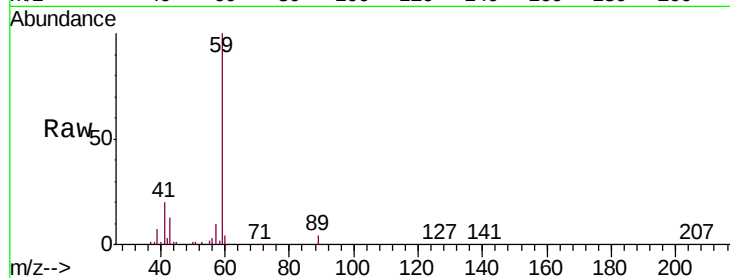


#11

Tert butyl alcohol
 Concen: 449.076 ug/l
 RT: 2.82 min Scan# 539
 Delta R.T. -0.05 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

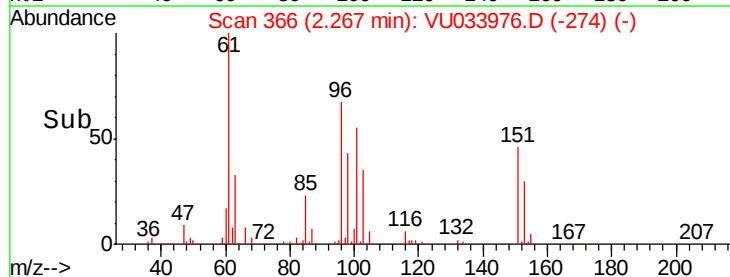
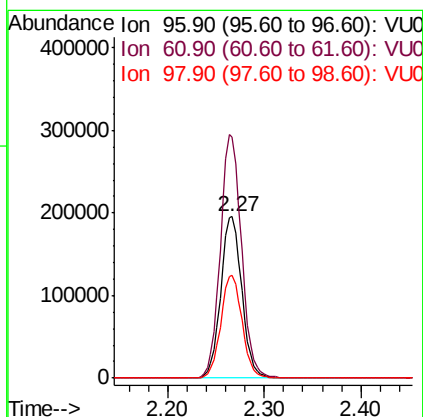
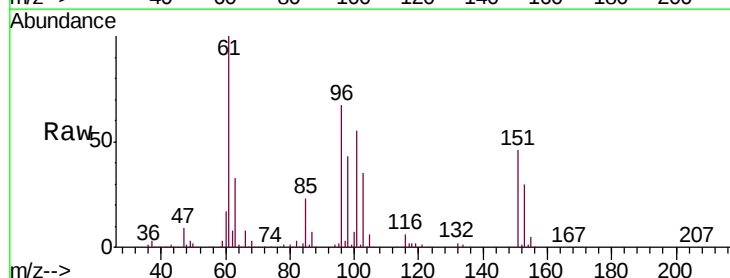
Tgt Ion: 59 Resp: 462555
 Ion Ratio Lower Upper
 59 100
 57 9.7 3.9 5.9#

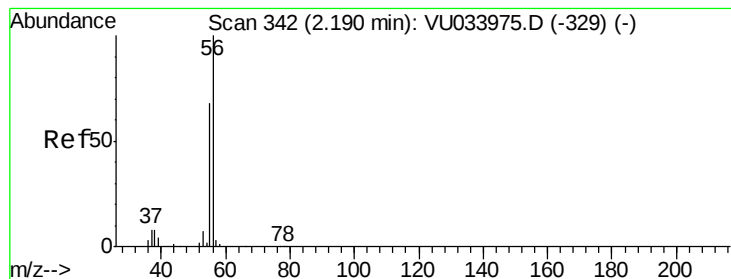


#12

1,1-Dichloroethene
 Concen: 77.849 ug/l
 RT: 2.27 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Tgt Ion: 96 Resp: 294394
 Ion Ratio Lower Upper
 96 100
 61 149.5 123.3 184.9
 98 63.9 50.5 75.7





#13

Acrolein

Concen: 276.330 ug/l

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

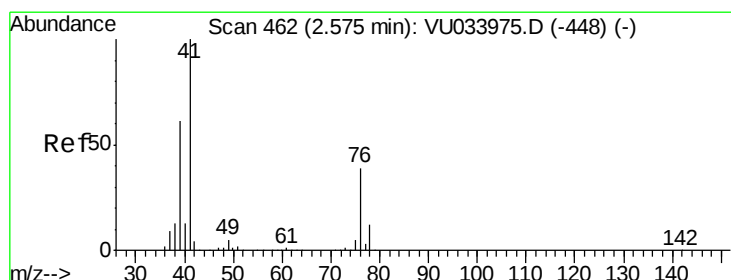
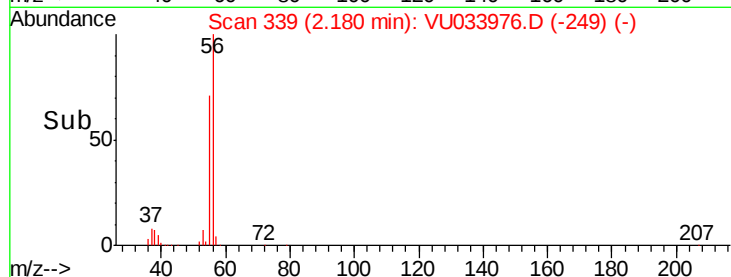
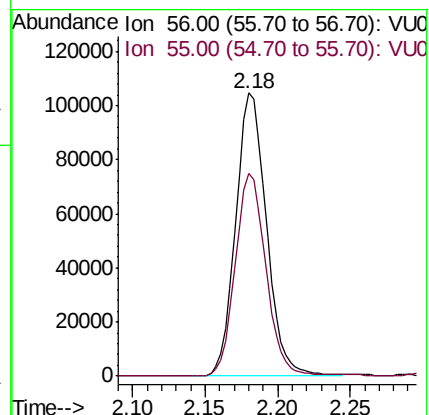
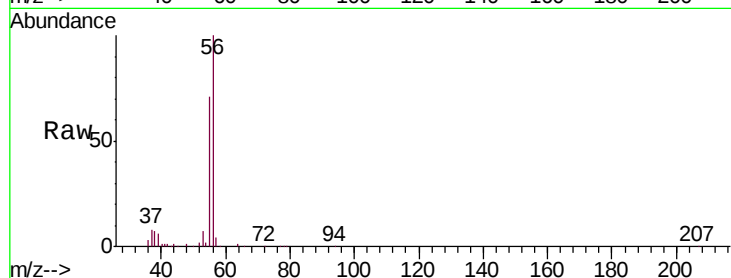
VSTDIC100

Tgt Ion: 56 Resp: 154402

Ion Ratio Lower Upper

56 100

55 71.2 58.0 87.0



#14

Allyl chloride

Concen: 79.132 ug/l

RT: 2.57 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

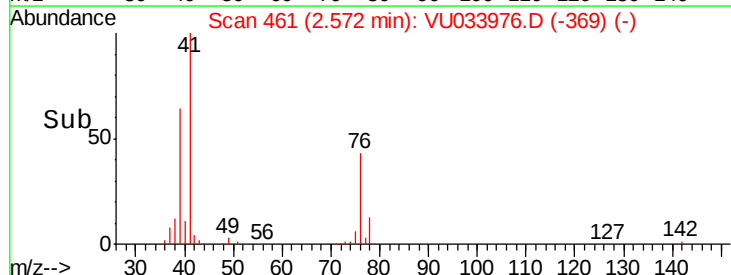
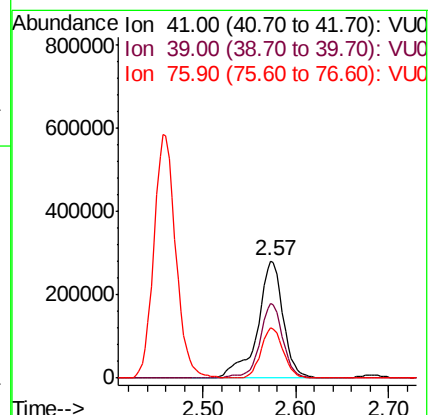
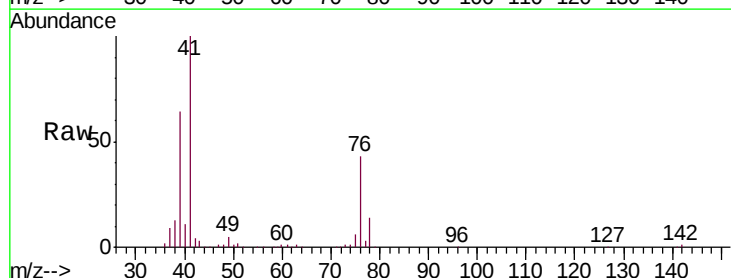
Tgt Ion: 41 Resp: 538911

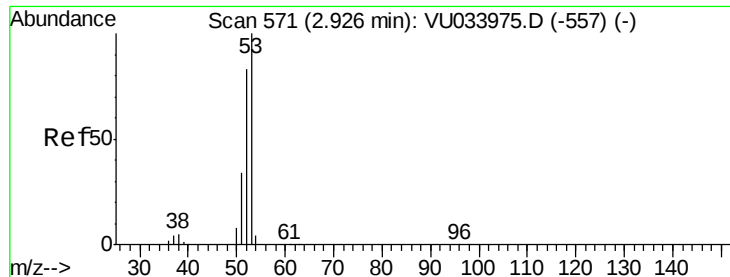
Ion Ratio Lower Upper

41 100

39 57.3 45.9 68.9

76 37.1 29.4 44.2





#15

Acrylonitrile

Concen: 395.195 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.01 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

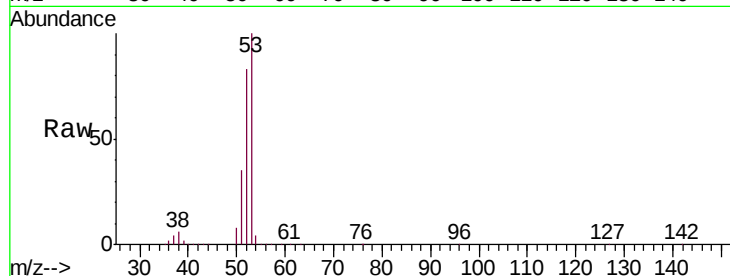
Tgt Ion: 53 Resp: 1040806

Ion Ratio Lower Upper

53 100

52 82.5 66.7 100.1

51 35.0 27.5 41.3



Abundance Ion 53.00 (52.70 to 53.70): VU033976.D (-557) (-)

Ion 52.00 (51.70 to 52.70): VU033976.D (-557) (-)

Ion 51.00 (50.70 to 51.70): VU033976.D (-557) (-)

2.92

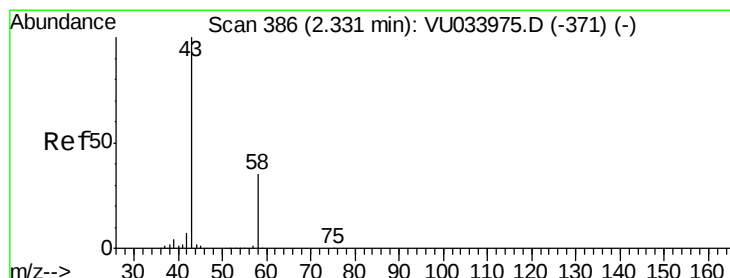
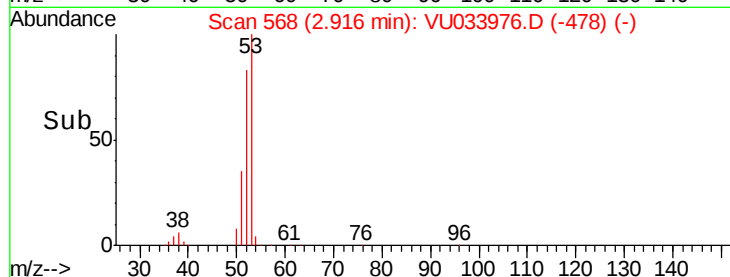
400000

200000

0

Time-->

2.80 2.90 3.00 3.10



#16

Acetone

Concen: 306.797 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033976.D

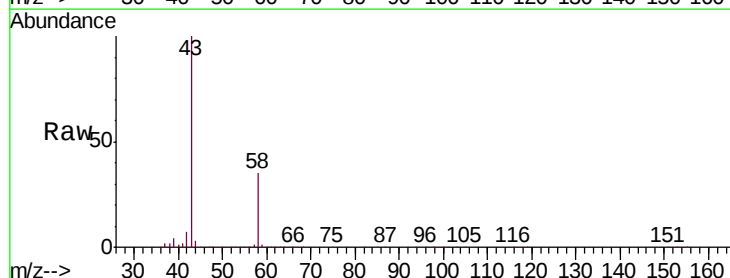
Acq: 27 Aug 2019 16:18

Tgt Ion: 43 Resp: 870819

Ion Ratio Lower Upper

43 100

58 35.0 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VU033976.D (-293) (-)

Ion 58.00 (57.70 to 58.70): VU033976.D (-293) (-)

2.31

600000

500000

400000

300000

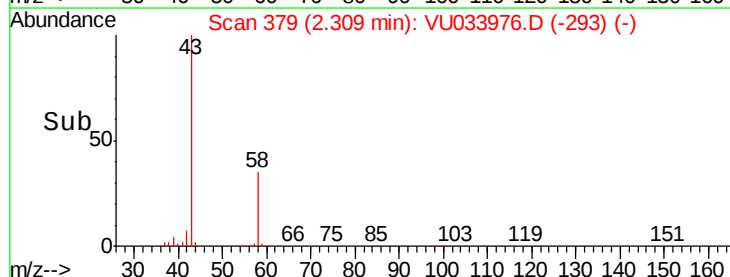
200000

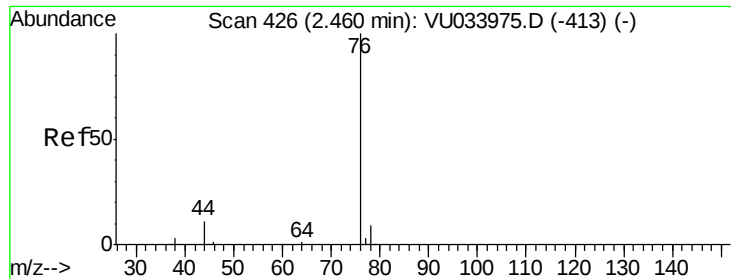
100000

0

Time-->

2.20 2.30 2.40

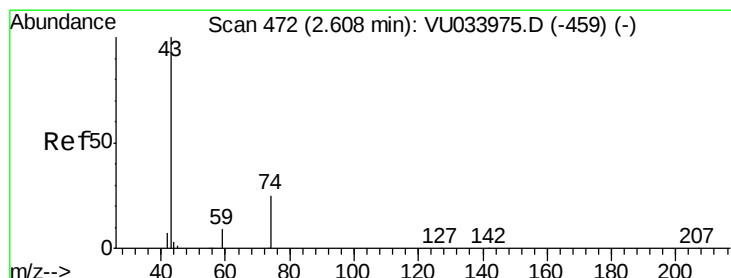
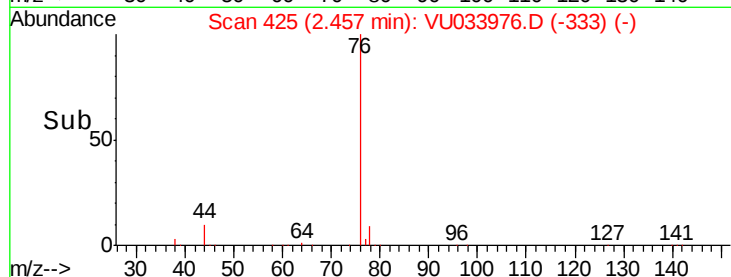
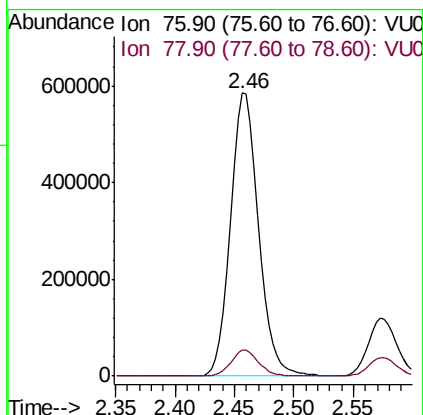
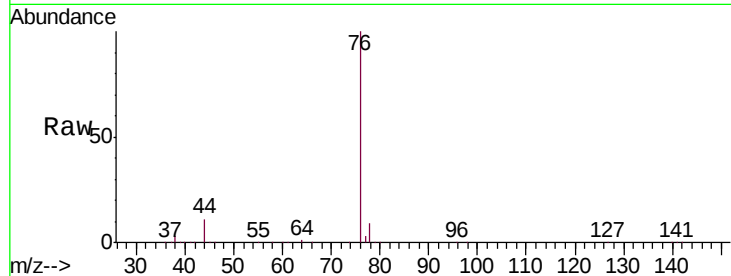




#17
Carbon Disulfide
Concen: 77.074 ug/l
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

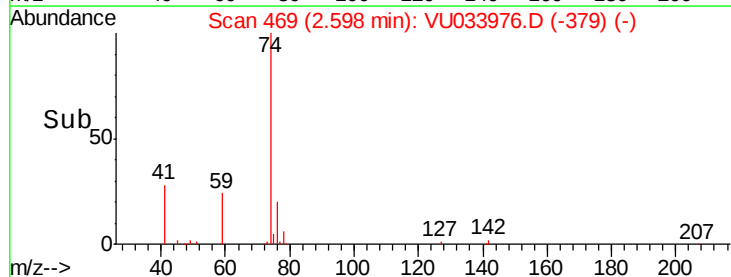
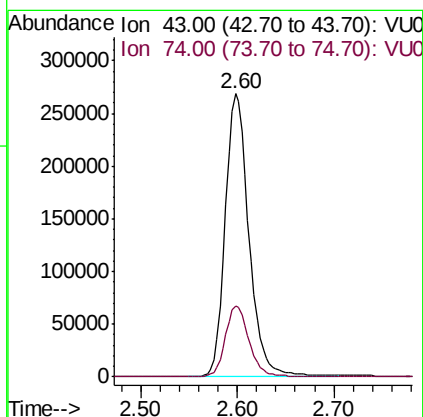
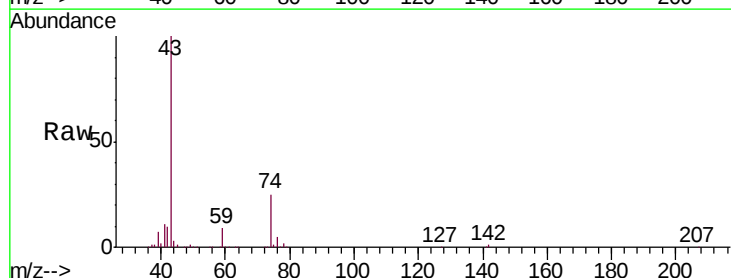
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

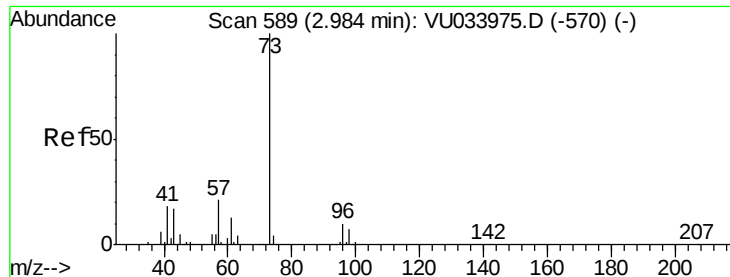
Tgt Ion: 76 Resp: 957258
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#18
Methyl Acetate
Concen: 71.917 ug/l
RT: 2.60 min Scan# 469
Delta R.T. -0.01 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

Tgt Ion: 43 Resp: 456205
Ion Ratio Lower Upper
43 100
74 25.6 20.5 30.7



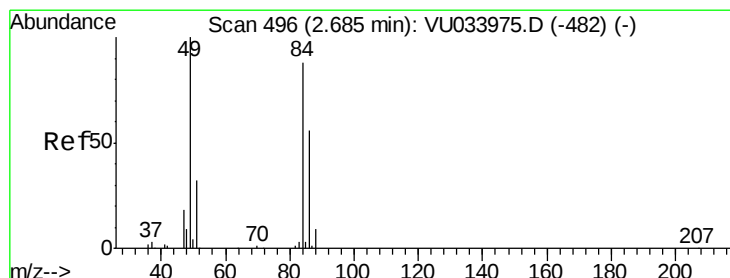
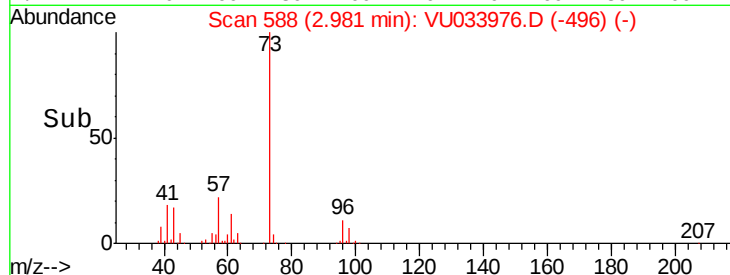
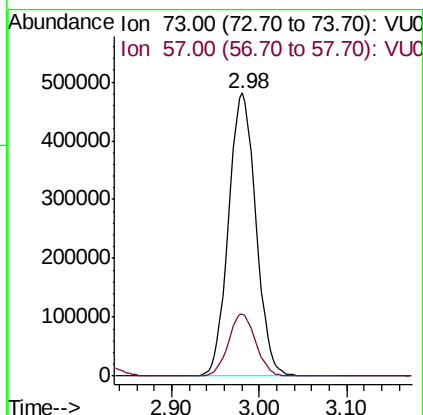
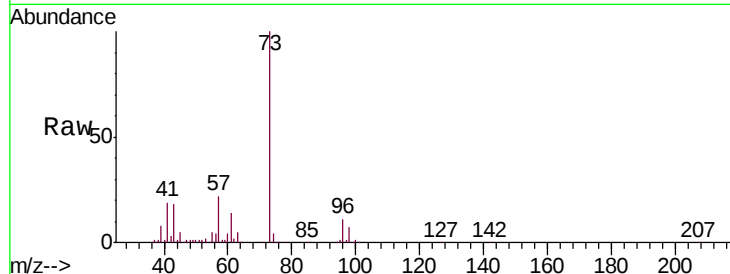


#19

Methyl tert-butyl Ether
 Concen: 86.655 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

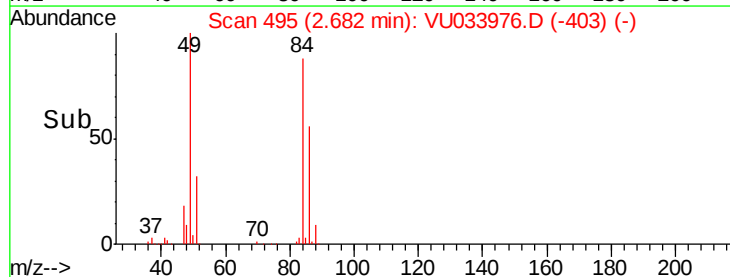
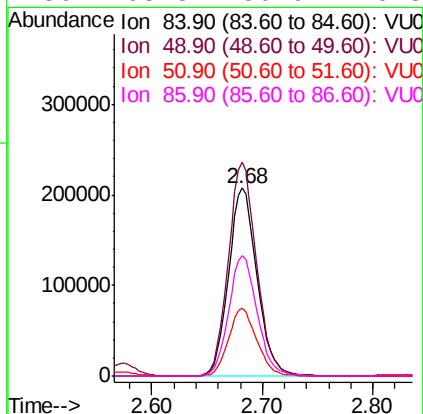
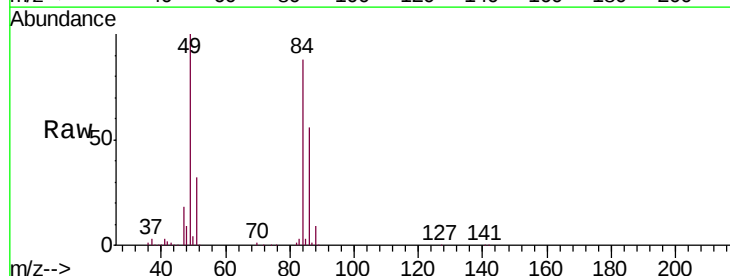
Tgt Ion: 73 Resp: 1044135
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.5 26.3

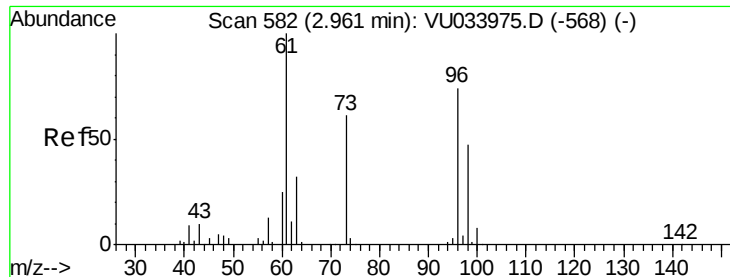


#20

Methylene Chloride
 Concen: 79.284 ug/l
 RT: 2.68 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Tgt Ion: 84 Resp: 370457
 Ion Ratio Lower Upper
 84 100
 49 113.6 91.3 136.9
 51 35.9 28.9 43.3
 86 63.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 82.110 ug/l

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

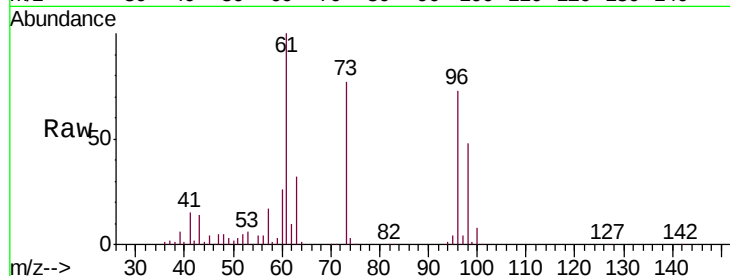
Tgt Ion: 96 Resp: 341782

Ion Ratio Lower Upper

96 100

61 137.4 108.2 162.2

98 65.5 50.3 75.5

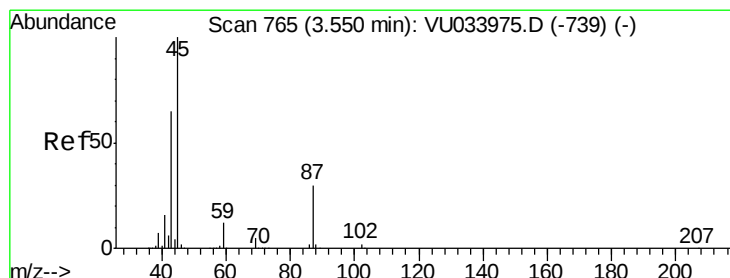
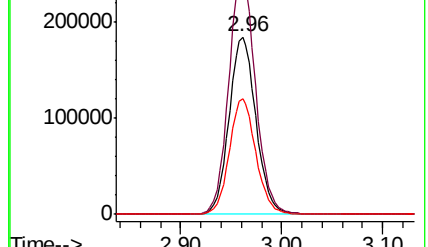
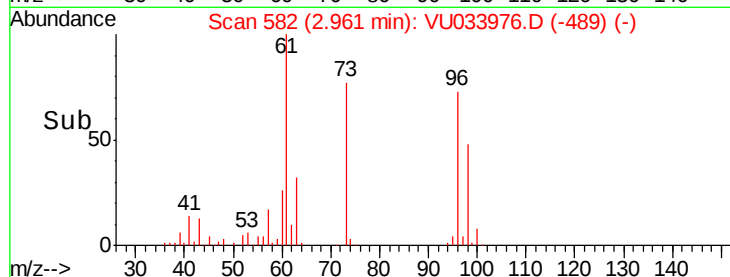


Abundance Ion 95.90 (95.60 to 96.60): VU033976.D (-568) (-)

Ion 60.90 (60.60 to 61.60): VU033976.D (-568) (-)

Ion 97.90 (97.60 to 98.60): VU033976.D (-568) (-)

Time-->



#22

Diisopropyl ether

Concen: 77.092 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Tgt Ion: 45 Resp: 992135

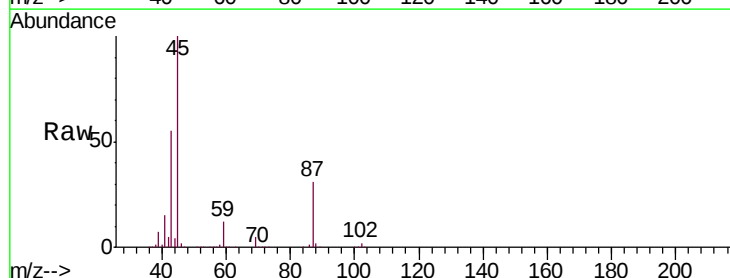
Ion Ratio Lower Upper

45 100

43 55.2 51.6 77.4

87 31.0 24.4 36.6

59 12.3 9.8 14.6



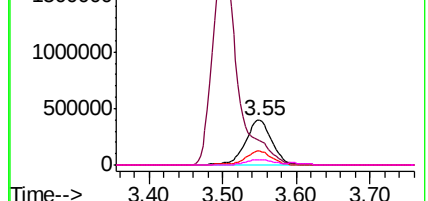
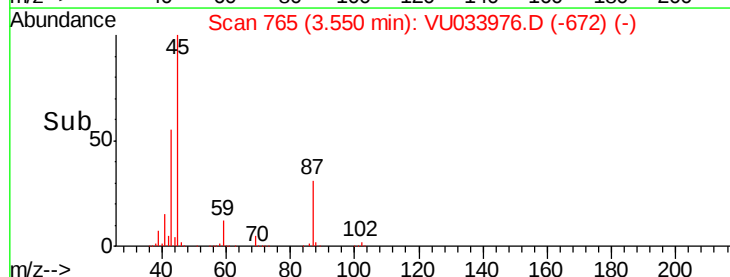
Abundance Ion 45.00 (44.70 to 45.70): VU033976.D (-739) (-)

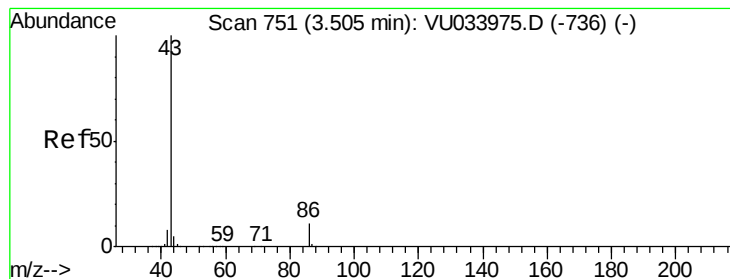
Ion 43.00 (42.70 to 43.70): VU033976.D (-739) (-)

Ion 87.00 (86.70 to 87.70): VU033976.D (-739) (-)

Ion 59.00 (58.70 to 59.70): VU033976.D (-739) (-)

Time-->





#23

Vinyl Acetate

Concen: 417.843 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

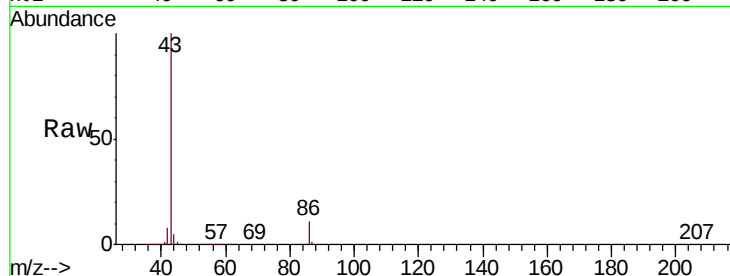
VSTDIC100

Tgt Ion: 43 Resp: 4430026

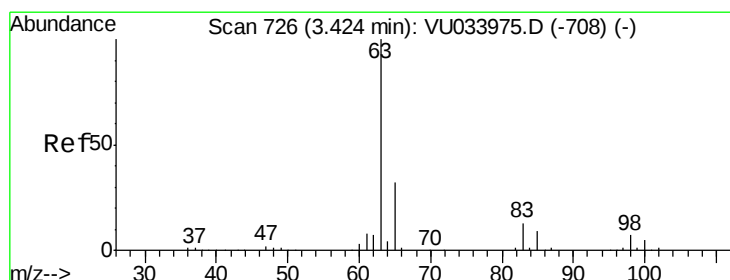
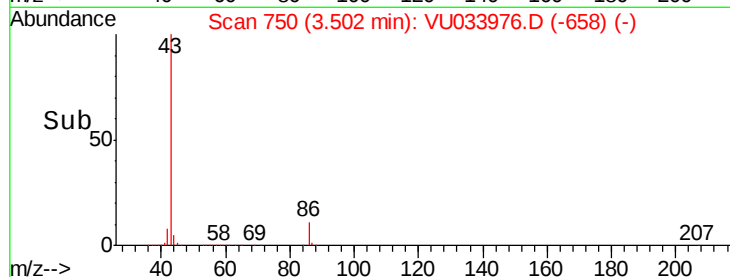
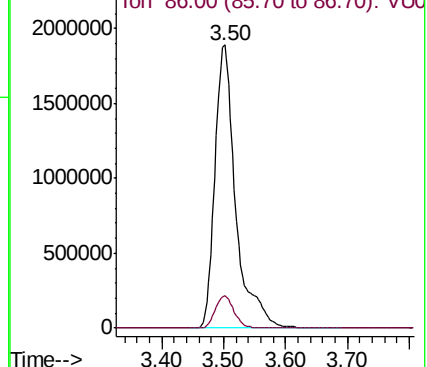
Ion Ratio Lower Upper

43 100

86 11.3 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VU033975.D (-736) (-)



#24

1,1-Dichloroethane

Concen: 76.254 ug/l

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

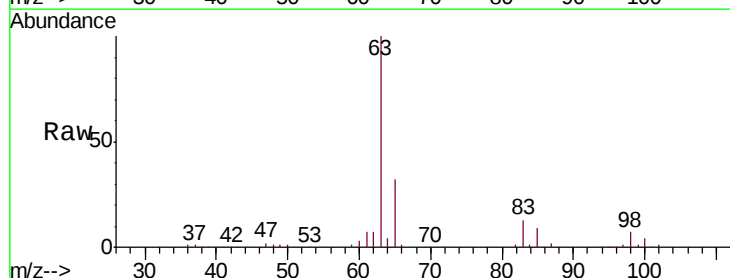
Tgt Ion: 63 Resp: 608637

Ion Ratio Lower Upper

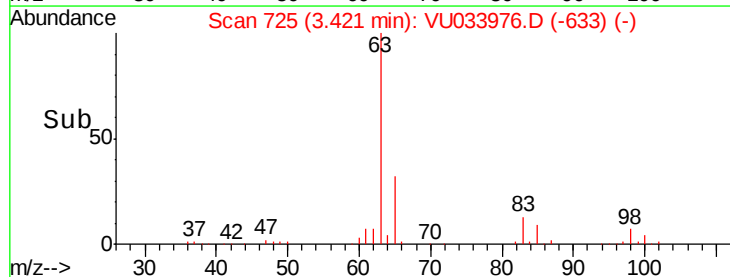
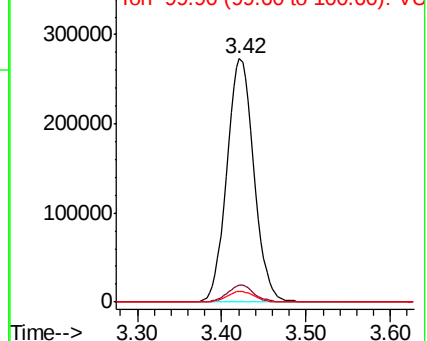
63 100

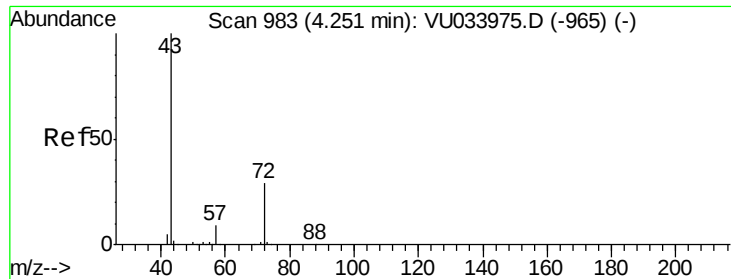
98 7.0 3.5 10.4

100 4.4 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VU033975.D (-708) (-)





#25

2-Butanone

Concen: 370.869 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.02 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

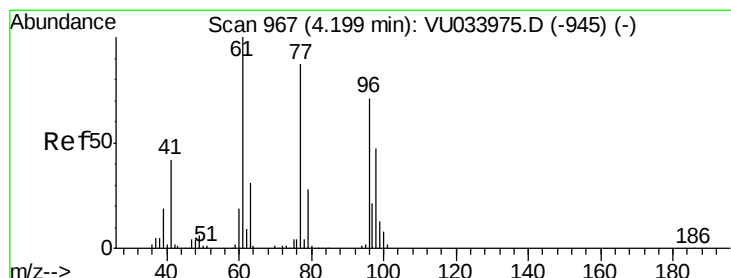
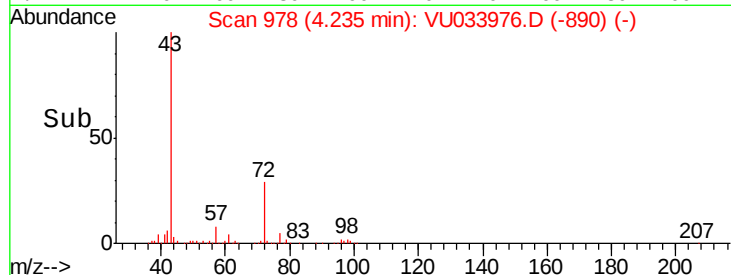
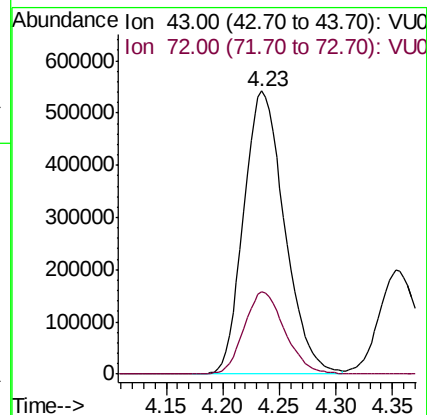
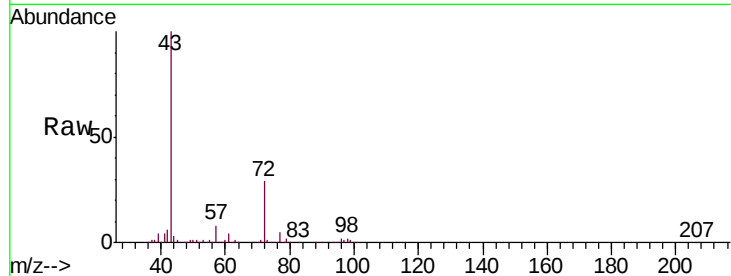
VSTDIC100

Tgt Ion: 43 Resp: 1358433

Ion Ratio Lower Upper

43 100

72 28.9 22.9 34.3



#26

2,2-Dichloropropane

Concen: 78.154 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033976.D

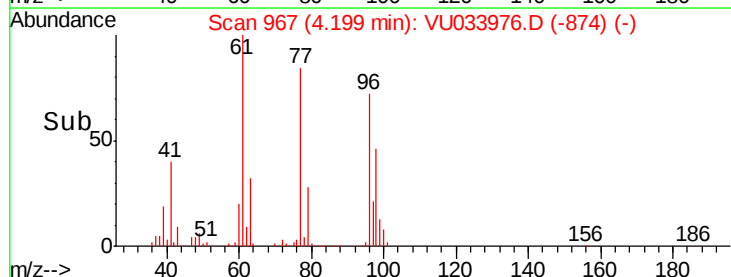
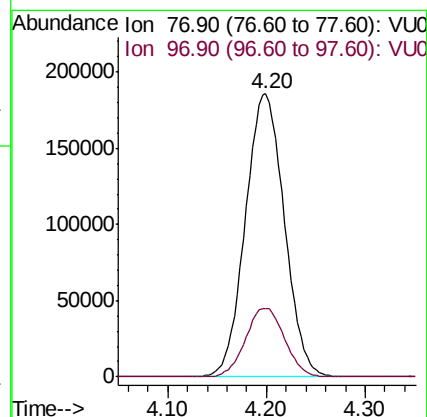
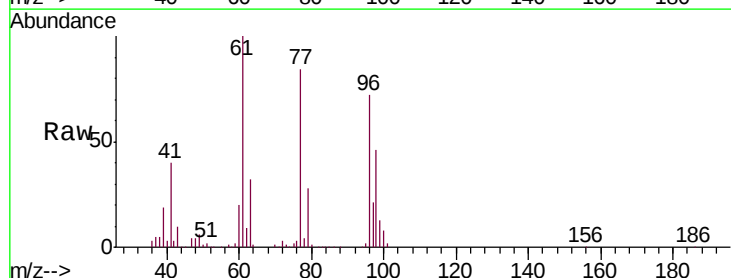
Acq: 27 Aug 2019 16:18

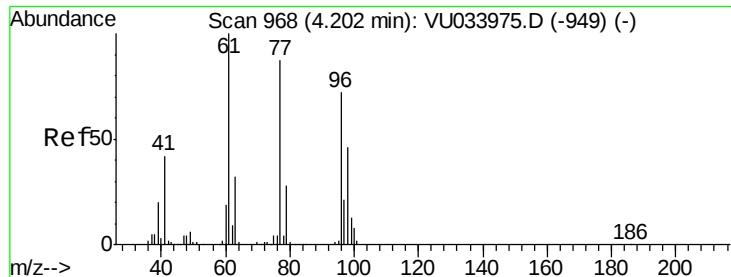
Tgt Ion: 77 Resp: 507649

Ion Ratio Lower Upper

77 100

97 24.3 12.0 36.0



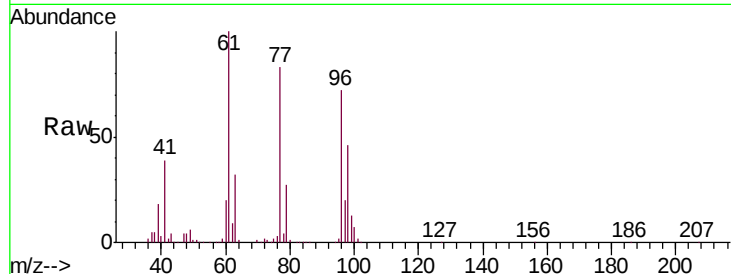


#27

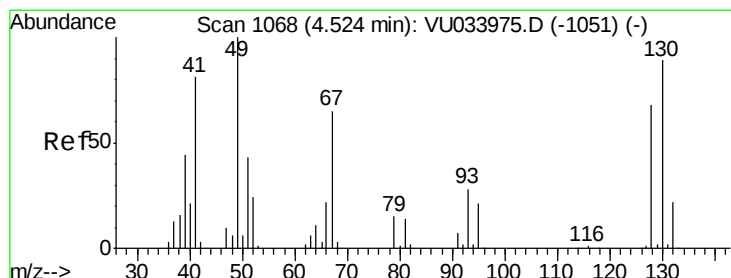
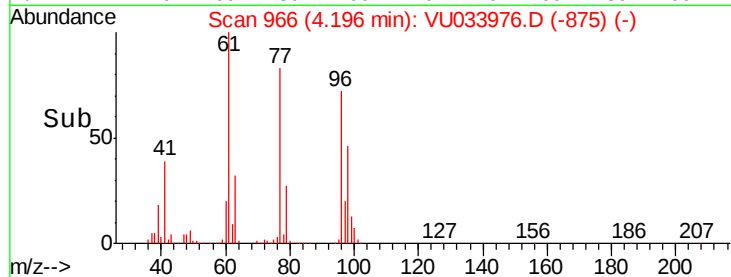
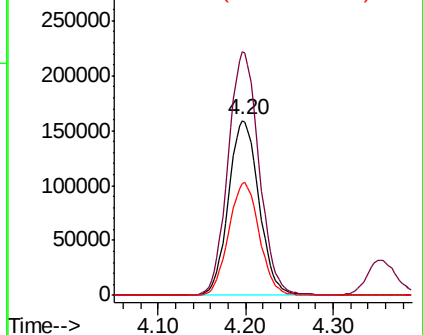
cis-1,2-Dichloroethene
Concen: 86.050 ug/l
RT: 4.20 min Scan# 966
Delta R.T. -0.01 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	287.2
98	64.7	0.0	131.8



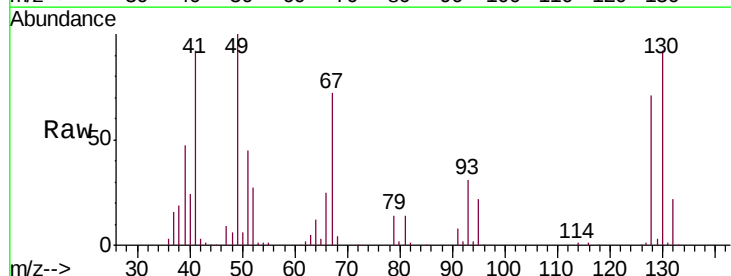
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



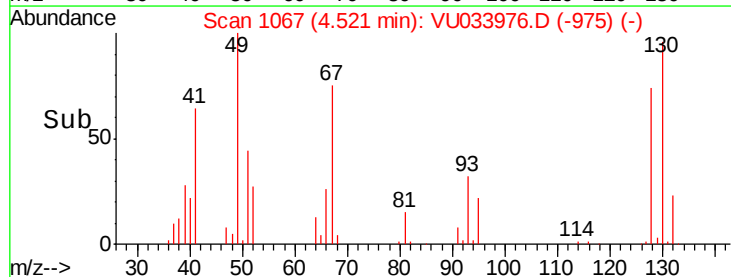
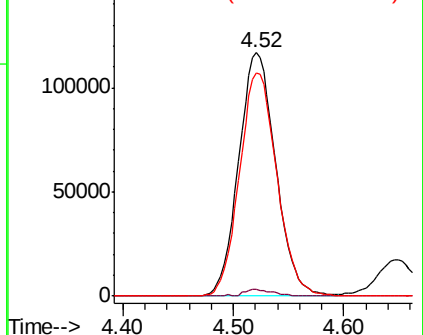
#28

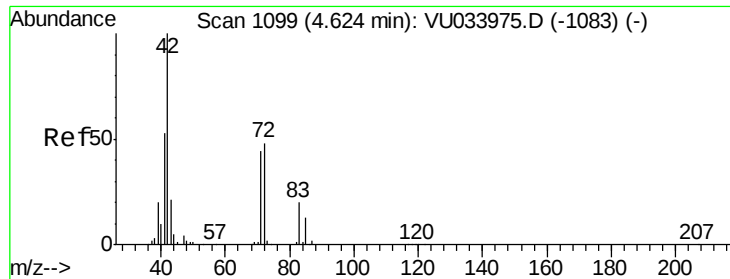
Bromochloromethane
Concen: 69.558 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	92.4	71.0	106.6



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

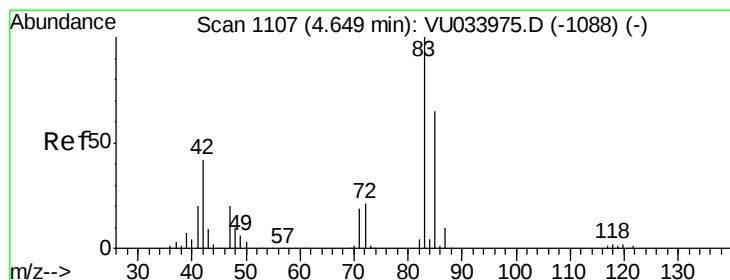
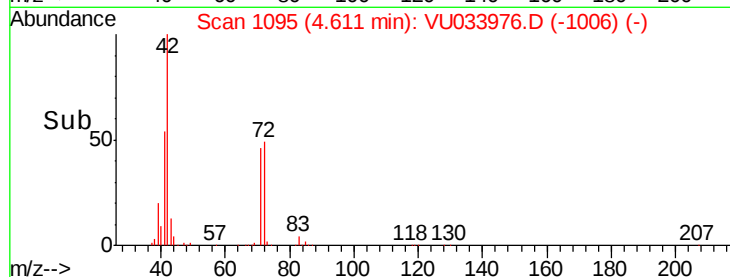
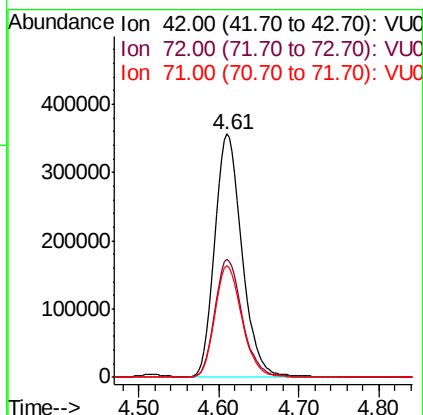
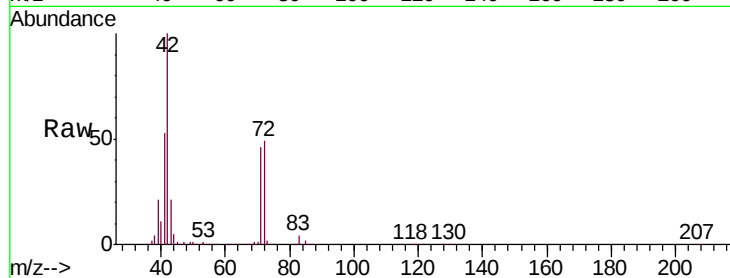




#29
Tetrahydrofuran
Concen: 380.532 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

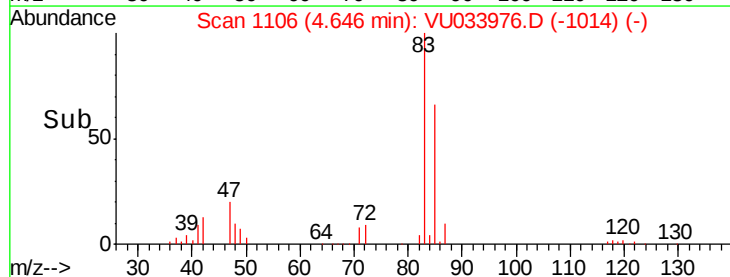
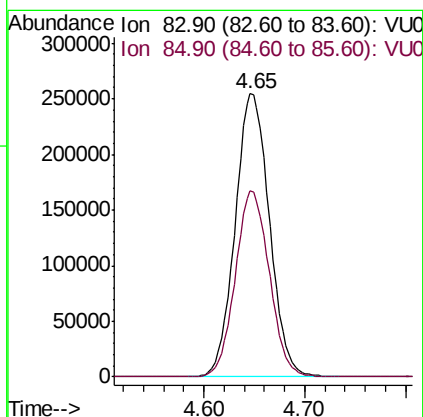
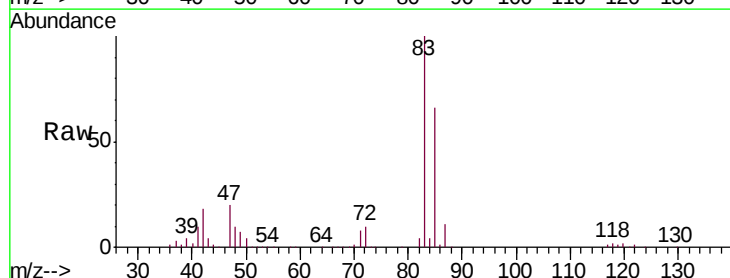
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

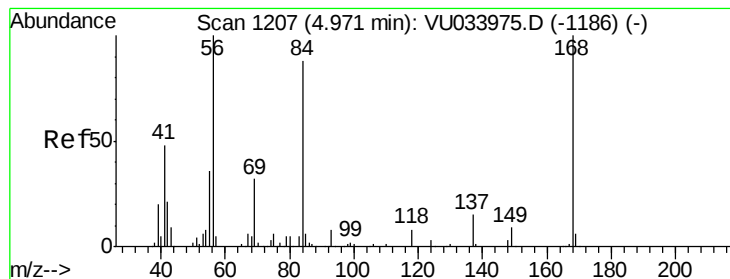
Tgt Ion: 42 Resp: 840095
Ion Ratio Lower Upper
42 100
72 49.1 38.9 58.3
71 46.1 35.7 53.5



#30
Chloroform
Concen: 75.211 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

Tgt Ion: 83 Resp: 599088
Ion Ratio Lower Upper
83 100
85 65.9 52.1 78.1





#31

Cyclohexane

Concen: 76.745 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

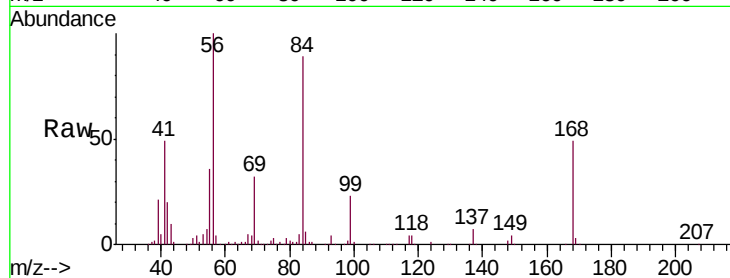
Tgt Ion: 56 Resp: 535575

Ion Ratio Lower Upper

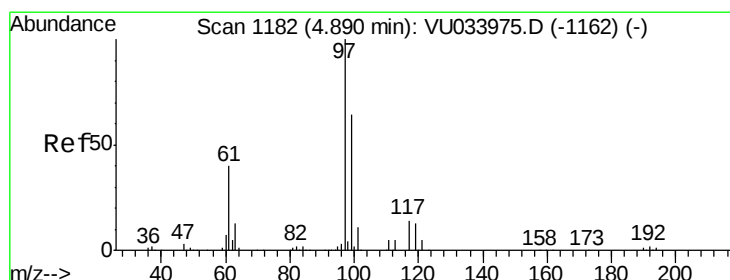
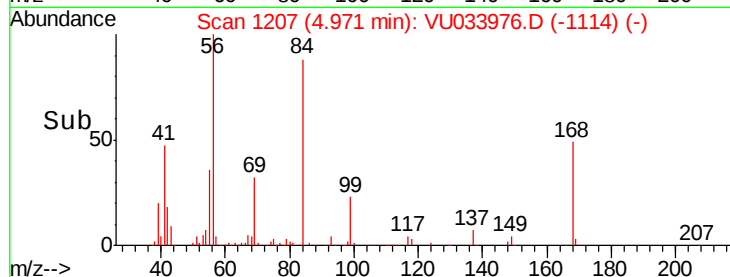
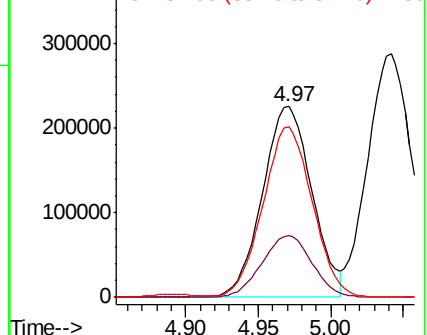
56 100

69 32.4 25.9 38.9

84 88.3 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 82.227 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

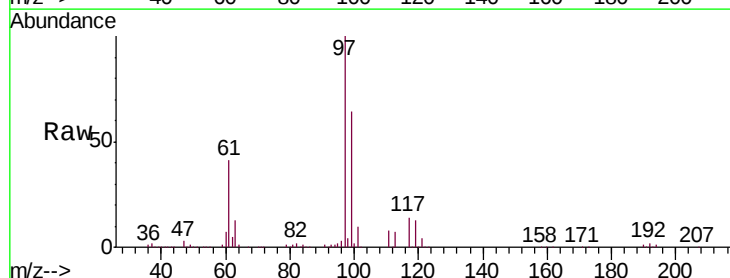
Tgt Ion: 97 Resp: 537634

Ion Ratio Lower Upper

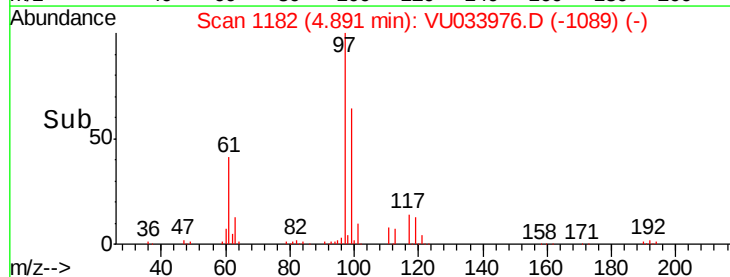
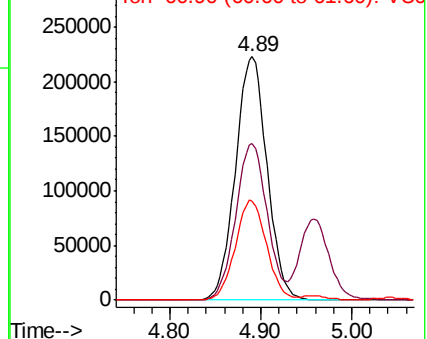
97 100

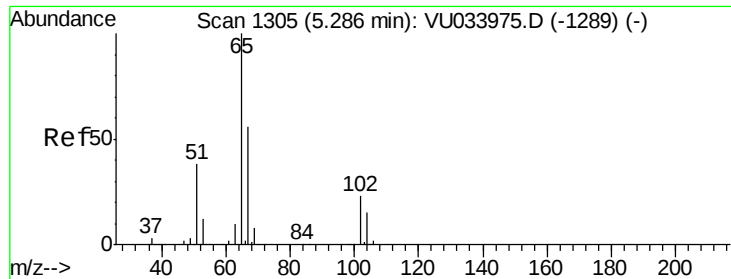
99 64.4 51.6 77.4

61 40.7 32.7 49.1



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

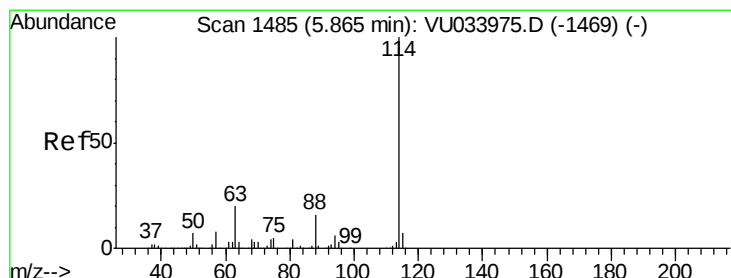
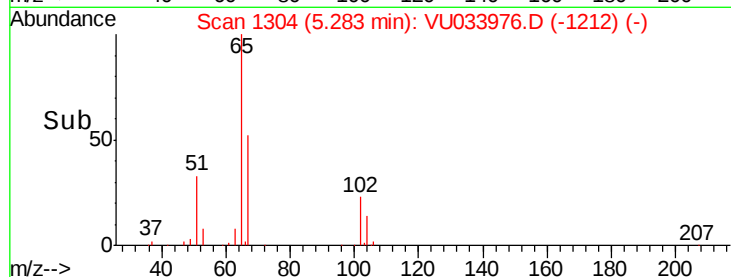
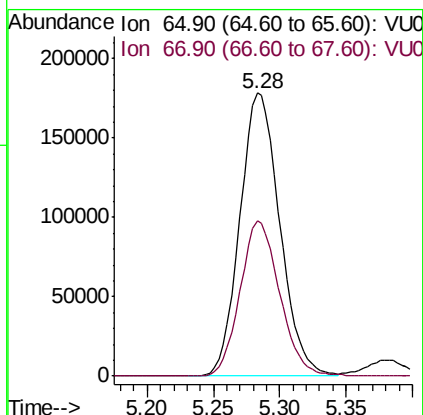
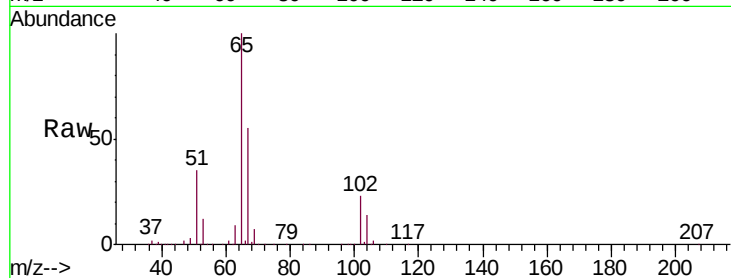




#33
 1,2-Dichloroethane-d4
 Concen: 76.544 ug/l
 RT: 5.28 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

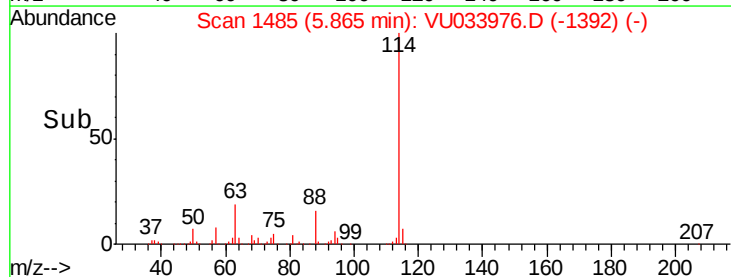
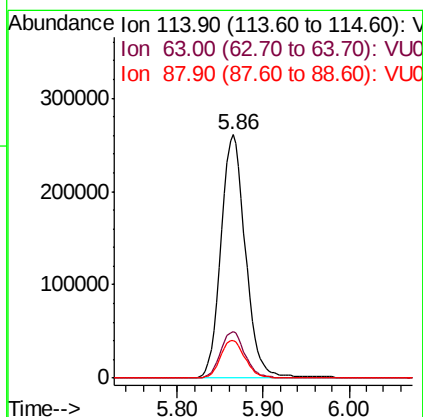
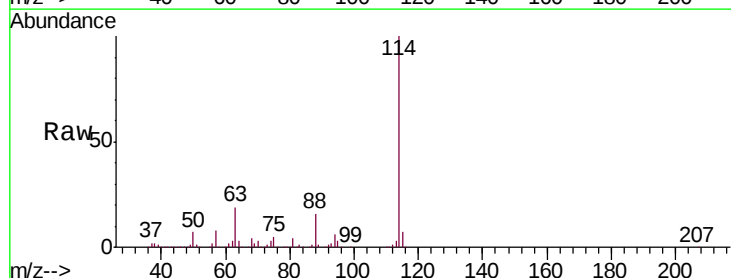
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

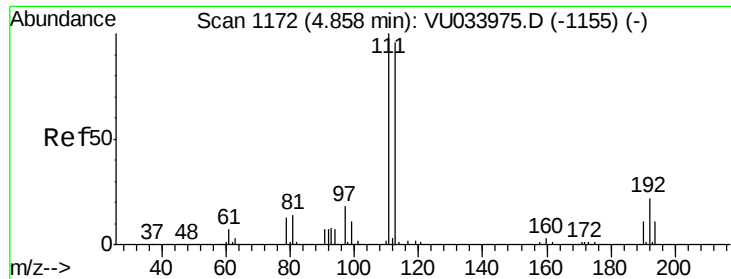
Tgt Ion: 65 Resp: 374535
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Tgt Ion: 114 Resp: 519144
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.0
 88 15.6 0.0 31.2

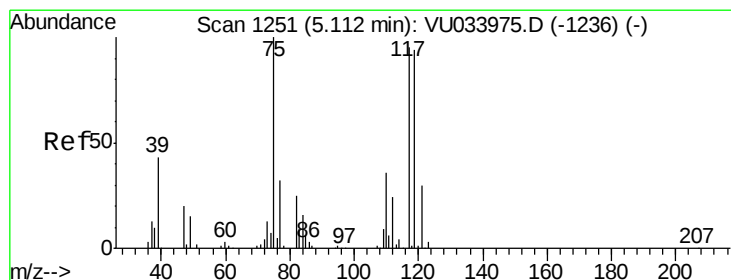
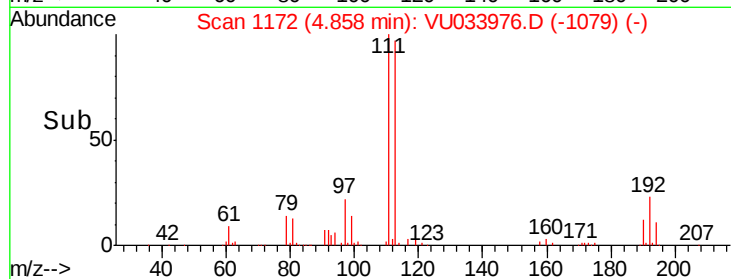
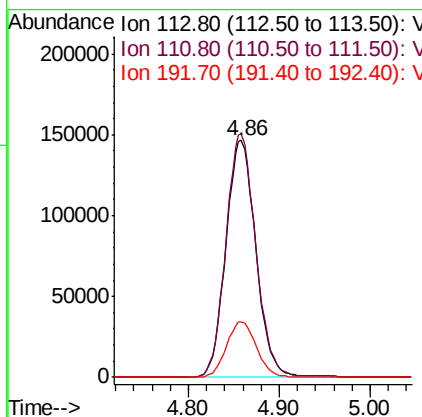
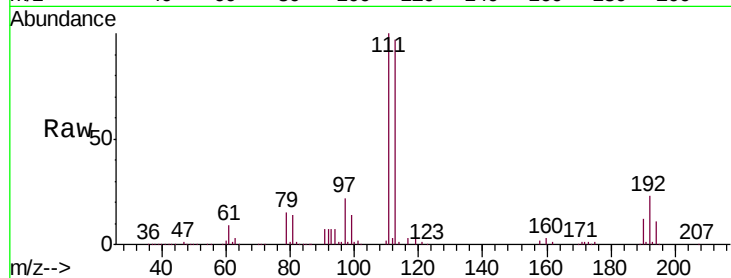




#35
 Dibromofluoromethane
 Concen: 91.883 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

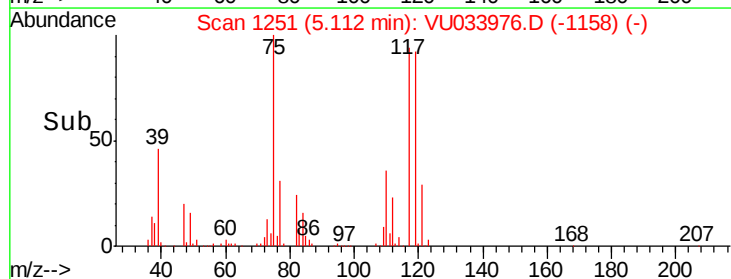
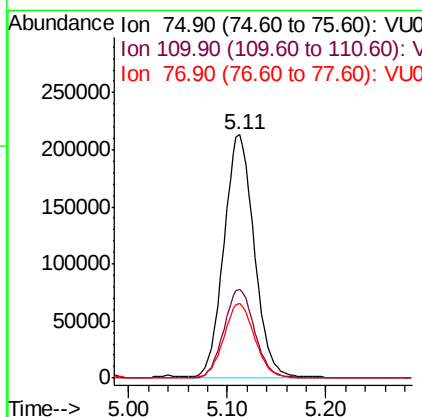
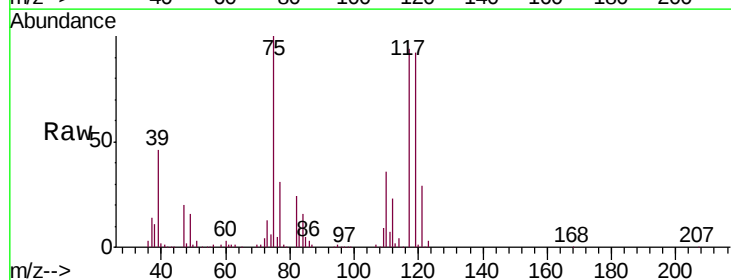
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

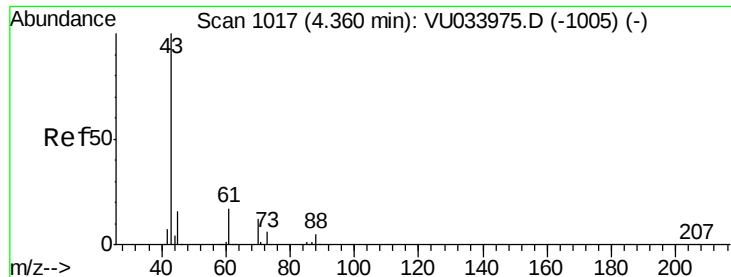
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.7	122.5
192	23.5	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 86.996 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.2	54.6
77	31.3	24.8	37.2

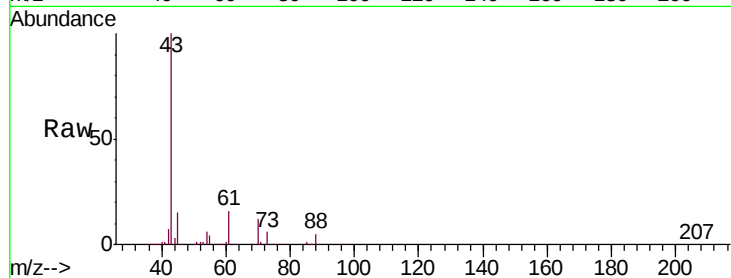




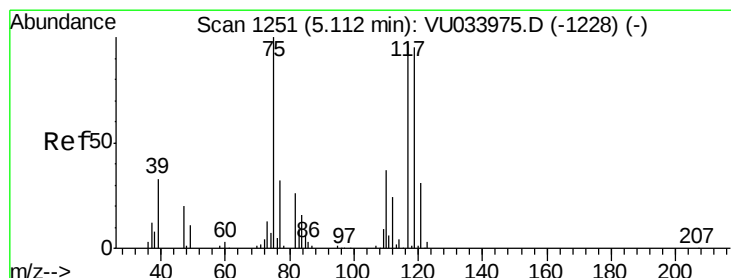
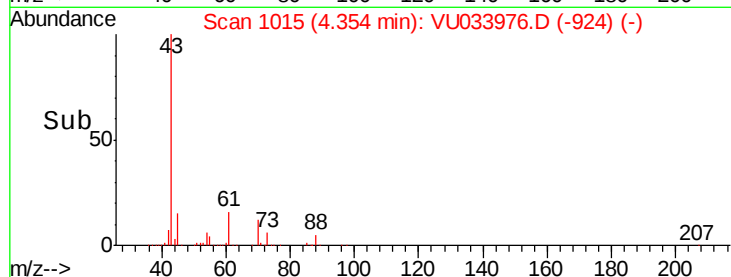
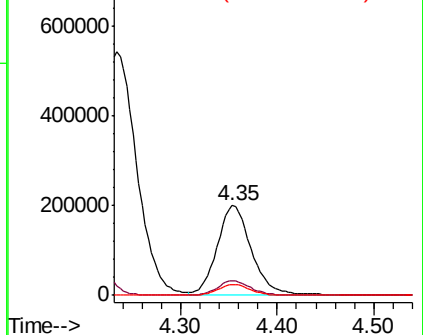
#37
 Ethyl Acetate
 Concen: 79.168 ug/l
 RT: 4.35 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tgt Ion: 43 Resp: 482041
 Ion Ratio Lower Upper
 43 100
 61 15.7 12.0 18.0
 70 11.9 9.2 13.8

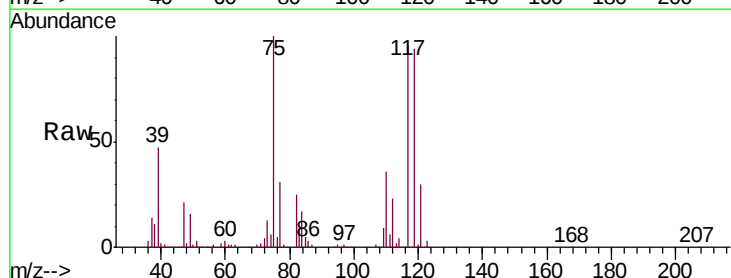


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

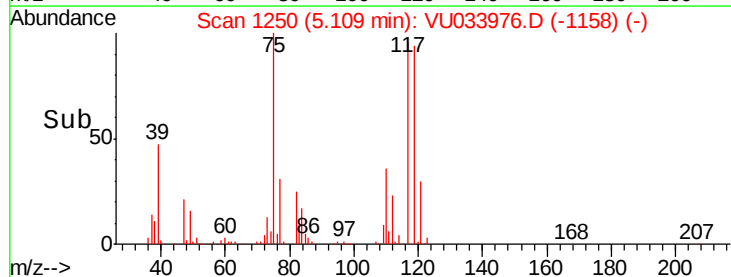
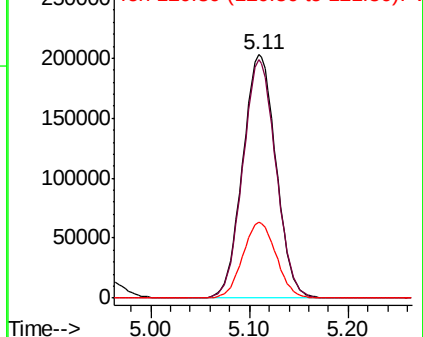


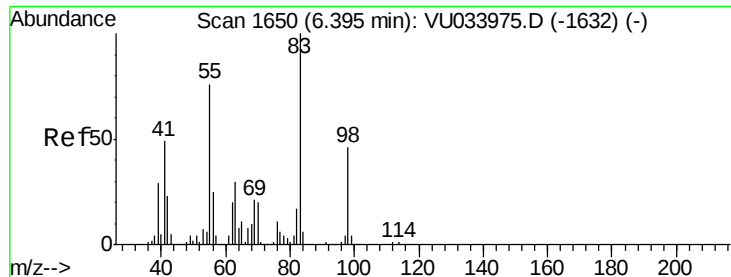
#38
 Carbon Tetrachloride
 Concen: 89.501 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Tgt Ion: 117 Resp: 472555
 Ion Ratio Lower Upper
 117 100
 119 97.8 78.4 117.6
 121 31.0 25.4 38.2



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

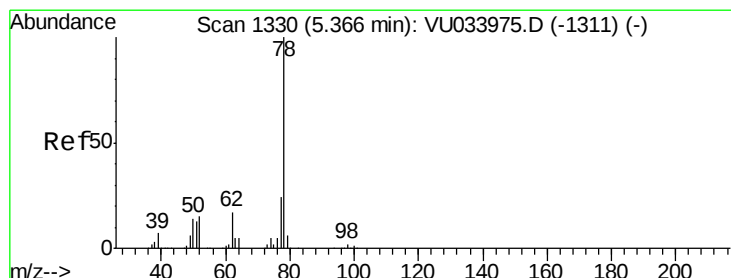
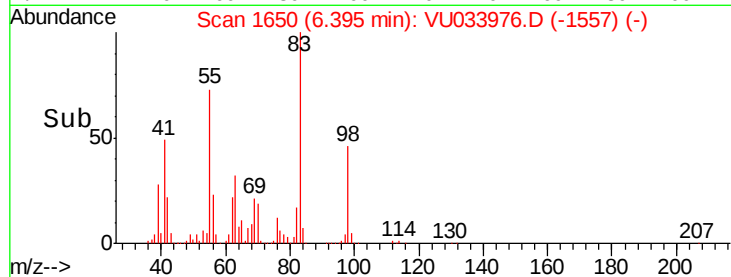
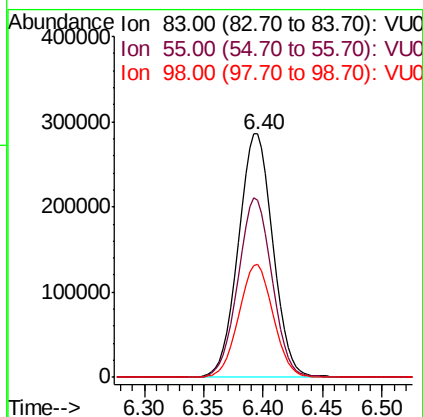
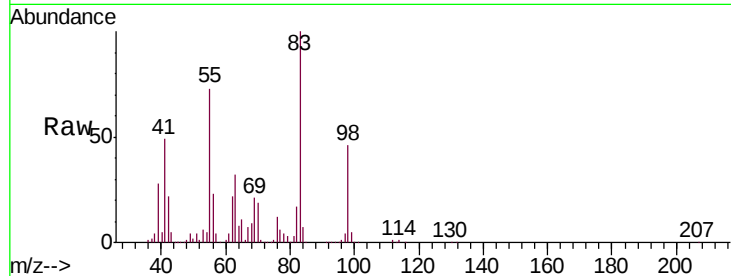




#39
Methylcyclohexane
Concen: 98.541 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

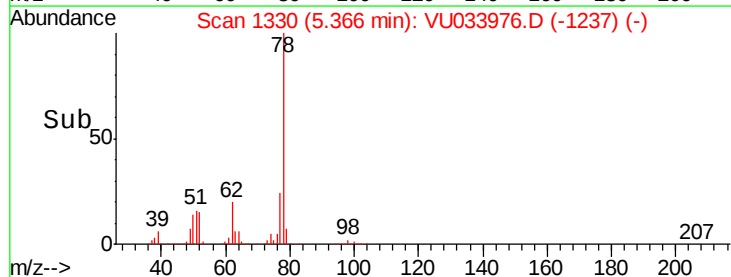
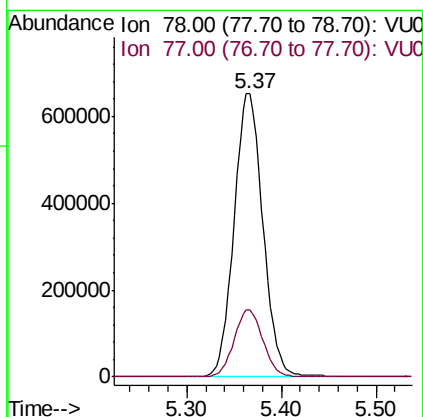
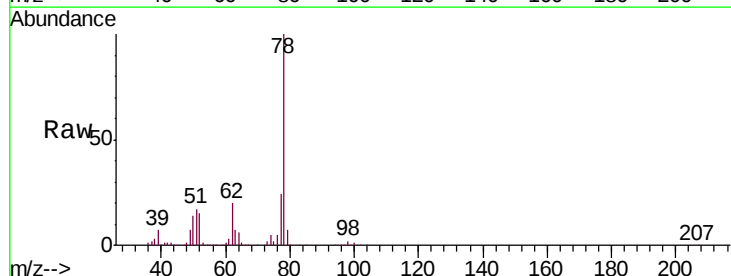
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

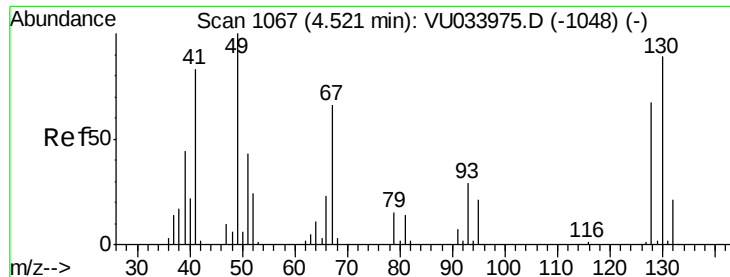
Tgt Ion: 83 Resp: 575595
Ion Ratio Lower Upper
83 100
55 72.7 60.8 91.2
98 46.2 36.5 54.7



#40
Benzene
Concen: 88.611 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

Tgt Ion: 78 Resp: 1381649
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8

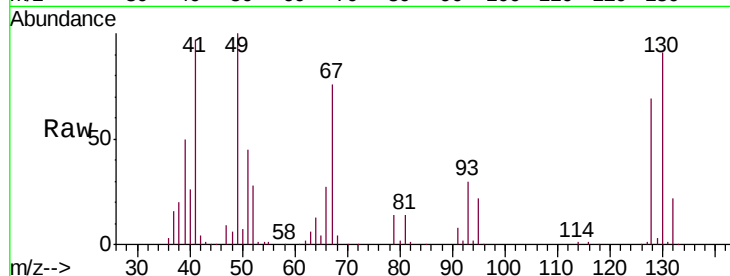




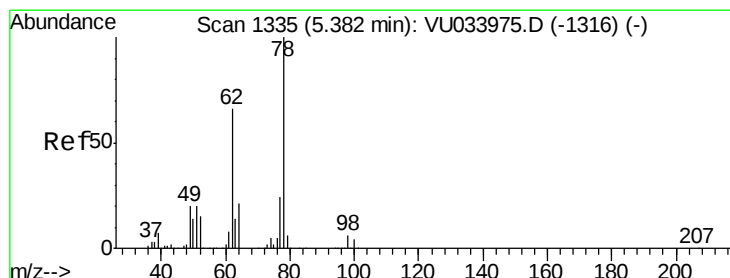
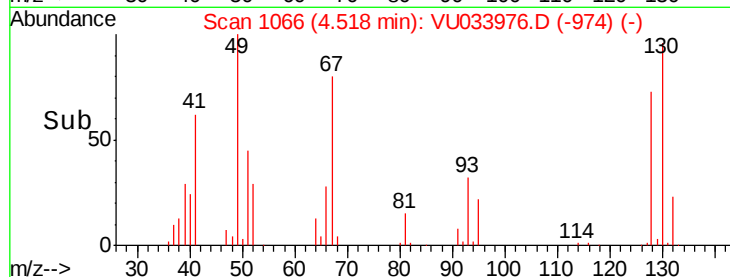
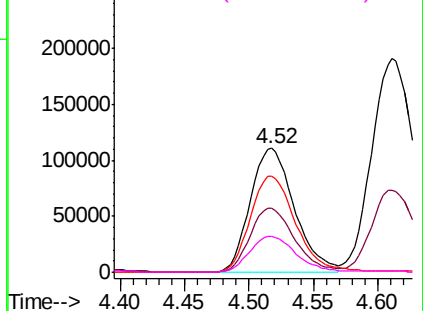
#41
Methacrylonitrile
Concen: 86.131 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	263117
Ion	Ratio	Lower	Upper
41	100		
39	51.8	41.5	62.3
67	80.5	65.0	97.6
52	29.9	23.3	34.9

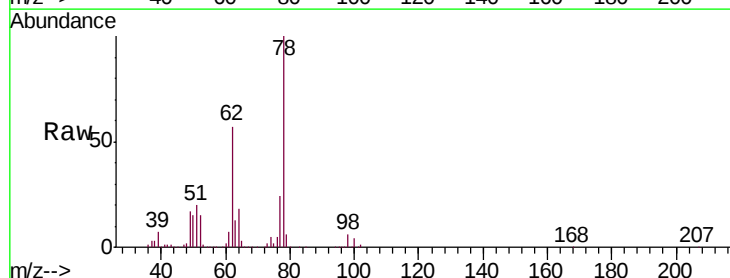


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

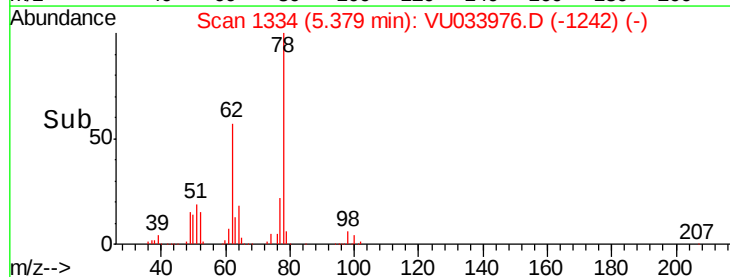
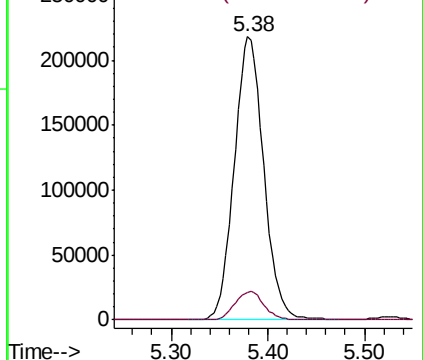


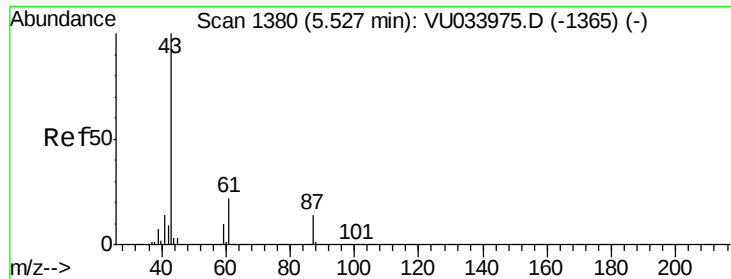
#42
1,2-Dichloroethane
Concen: 81.035 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

Tgt Ion:	62	Resp:	461797
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.0



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





#43

Isopropyl Acetate

Concen: 85.379 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

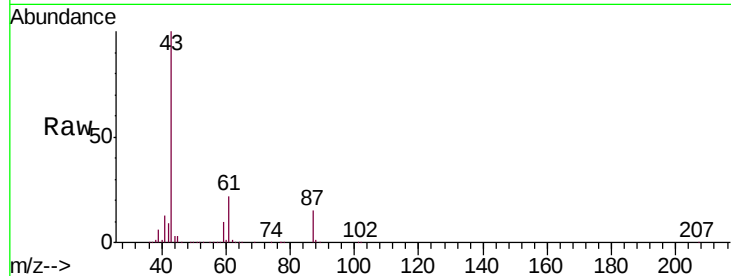
Tgt Ion: 43 Resp: 760348

Ion Ratio Lower Upper

43 100

61 22.3 17.8 26.8

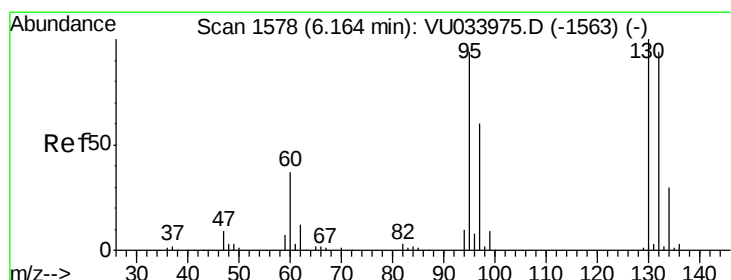
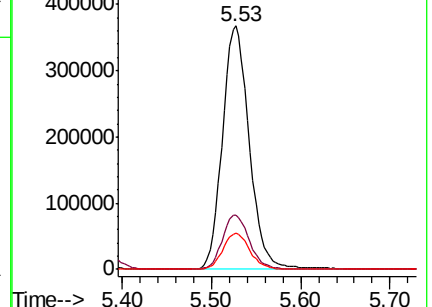
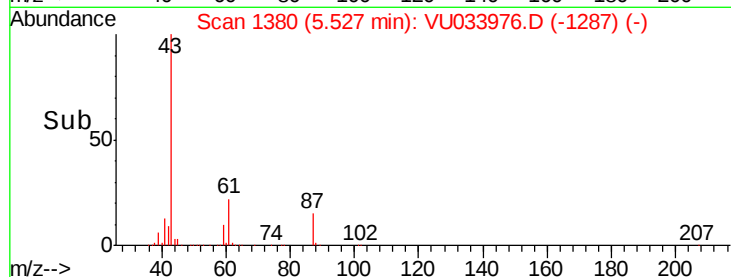
87 15.0 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VU033976.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU033976.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU033976.D (-1287) (-)



#44

Trichloroethene

Concen: 96.665 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033976.D

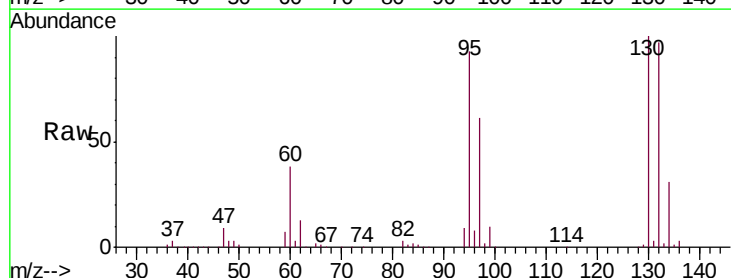
Acq: 27 Aug 2019 16:18

Tgt Ion: 130 Resp: 398086

Ion Ratio Lower Upper

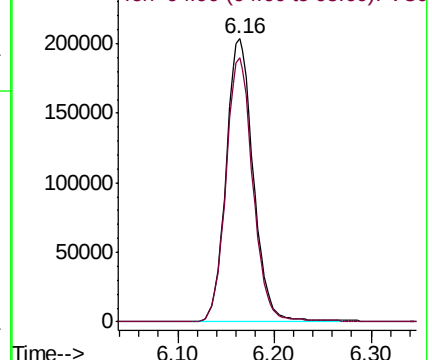
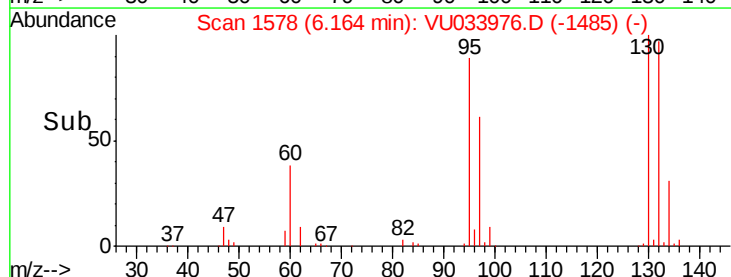
130 100

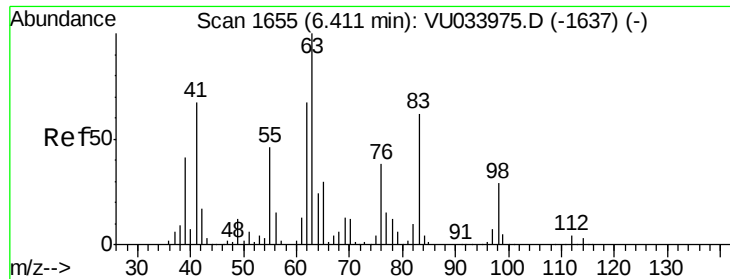
95 93.2 0.0 187.6



Abundance Ion 129.80 (129.50 to 130.50): VU033976.D (-1485) (-)

Ion 94.90 (94.60 to 95.60): VU033976.D (-1485) (-)

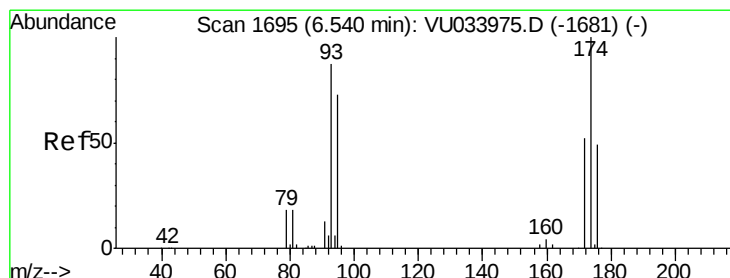
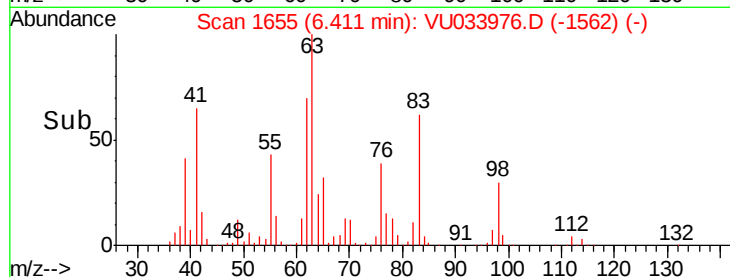
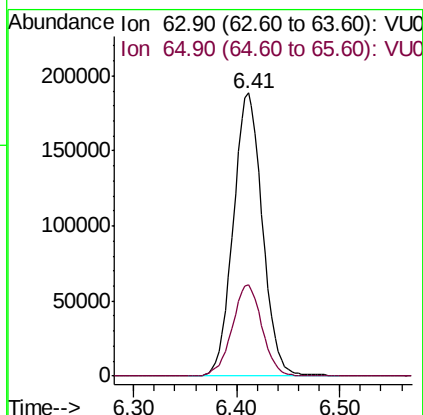
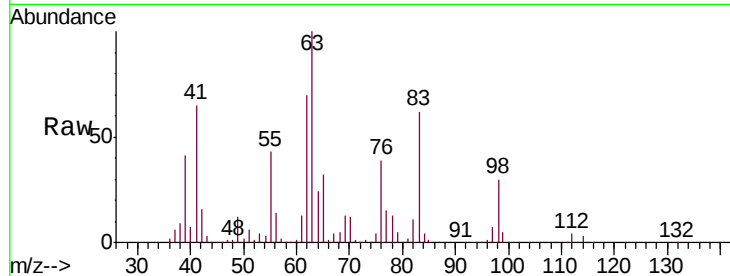




#45
 1,2-Dichloropropane
 Concen: 86.439 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

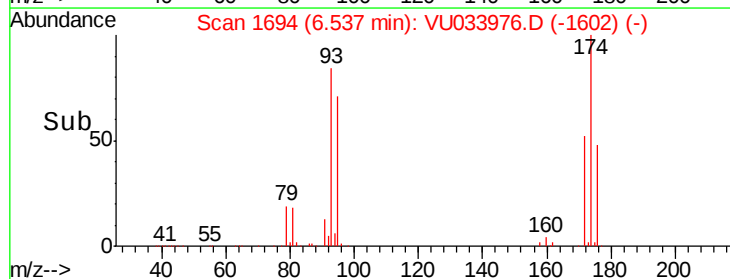
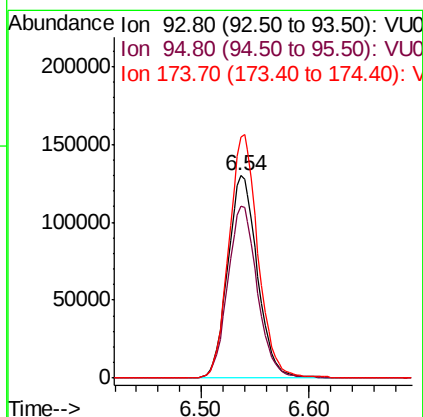
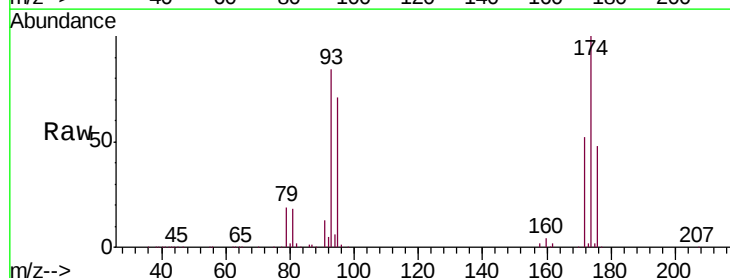
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

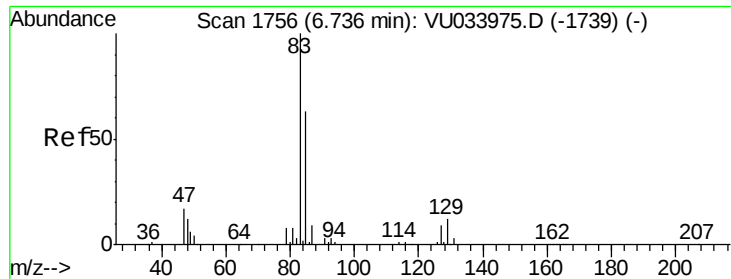
Tgt Ion: 63 Resp: 371668
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.3 36.5



#46
 Dibromomethane
 Concen: 89.193 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Tgt Ion: 93 Resp: 248832
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.2 99.4
 174 118.7 92.2 138.2





#47

Bromodichloromethane

Concen: 87.860 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

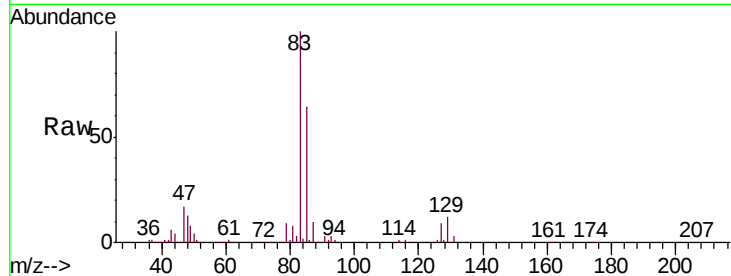
Tgt Ion: 83 Resp: 491743

Ion Ratio Lower Upper

83 100

85 64.4 50.6 76.0

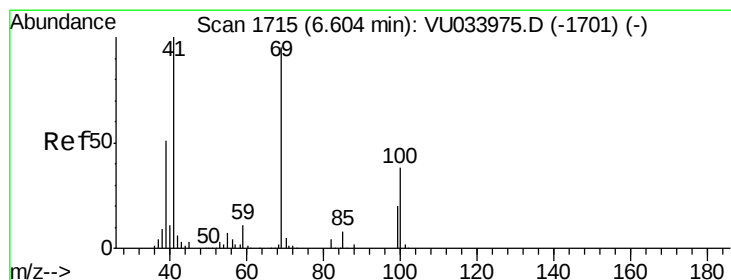
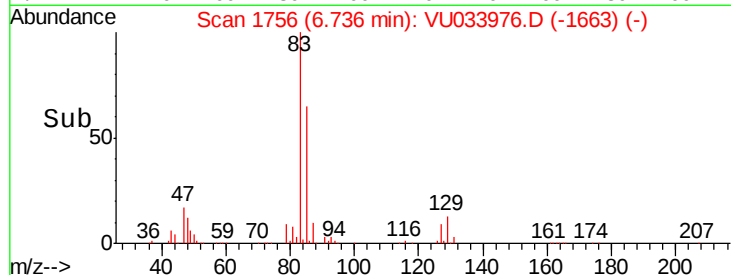
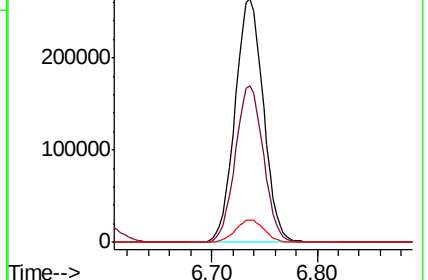
127 9.2 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VU033976.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU033976.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU033976.D (-1663) (-)



#48

Methyl methacrylate

Concen: 95.245 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

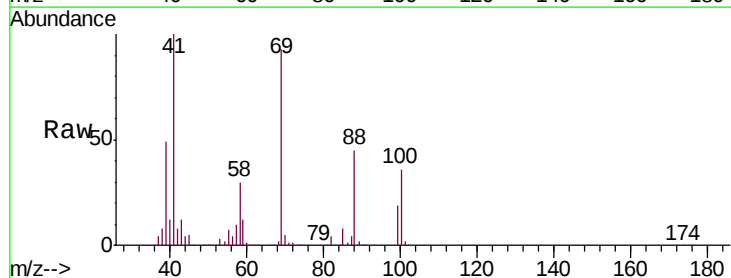
Tgt Ion: 41 Resp: 381124

Ion Ratio Lower Upper

41 100

69 95.9 76.3 114.5

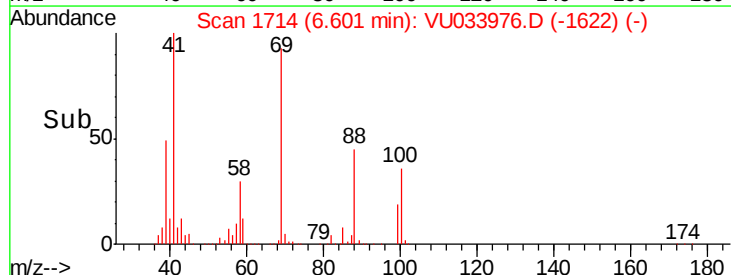
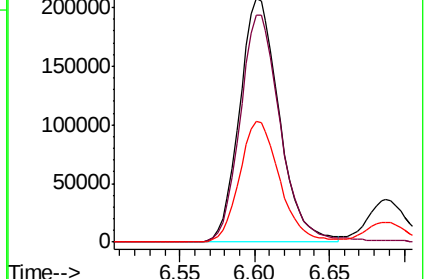
39 49.9 41.1 61.7

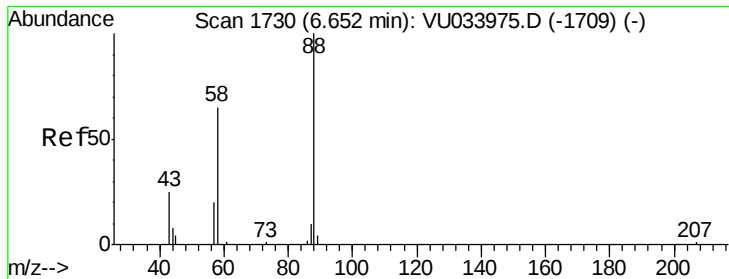


Abundance Ion 41.00 (40.70 to 41.70): VU033976.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU033976.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU033976.D (-1622) (-)

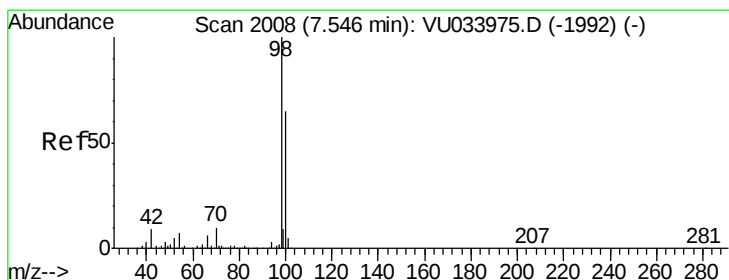
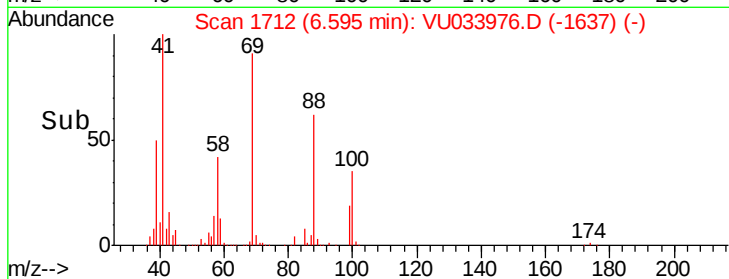
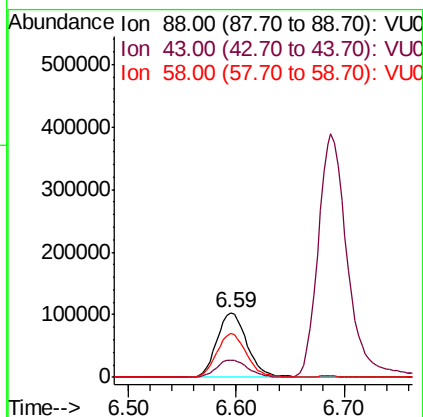
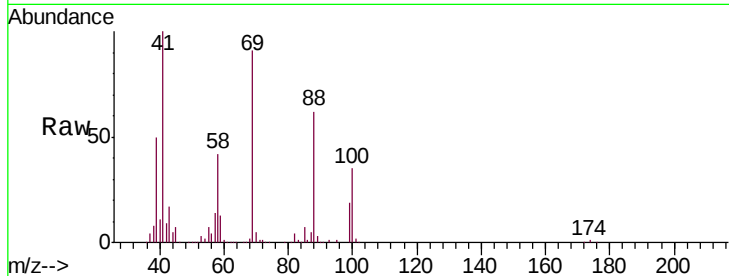




#49
1,4-Dioxane
Concen: 2093.107 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. -0.06 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

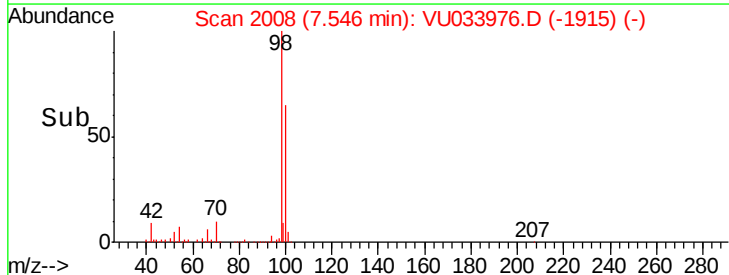
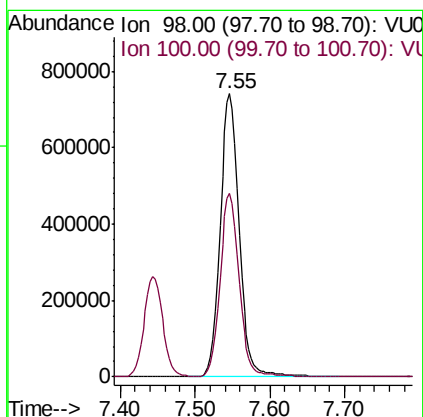
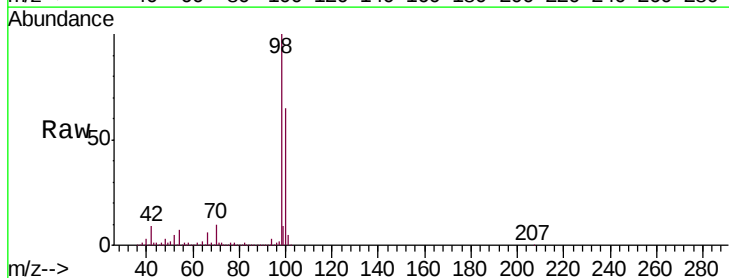
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

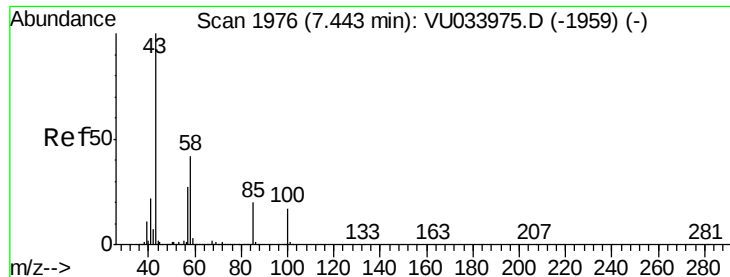
Tgt Ion: 88 Resp: 197791
Ion Ratio Lower Upper
88 100
43 27.7 0.0 0.0#
58 68.9 56.6 85.0



#50
Toluene-d8
Concen: 96.658 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

Tgt Ion: 98 Resp: 1304120
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3

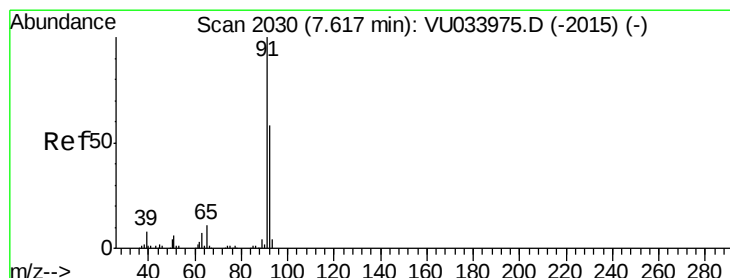
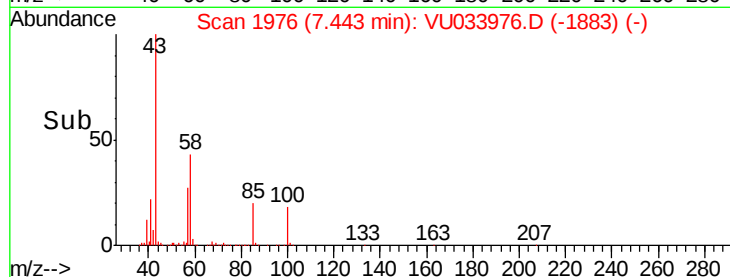
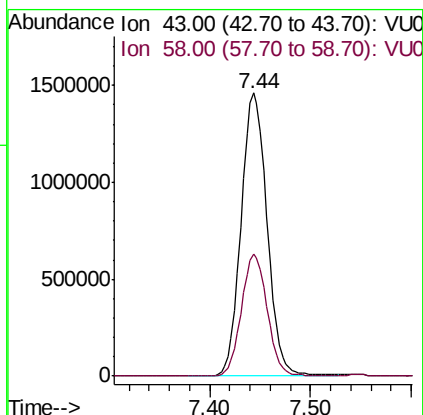
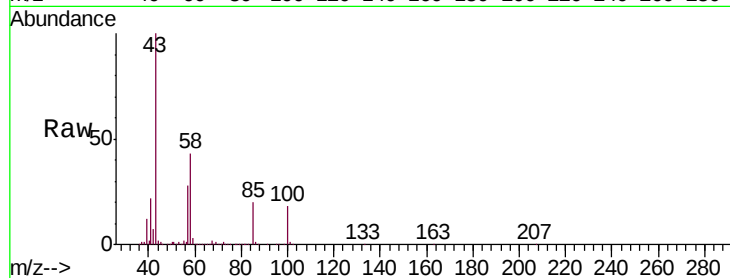




#51
 4-Methyl-2-Pentanone
 Concen: 430.704 ug/l
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

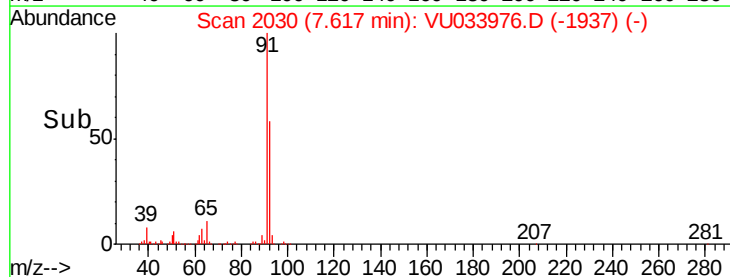
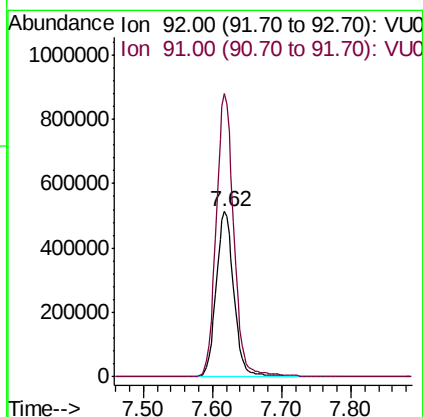
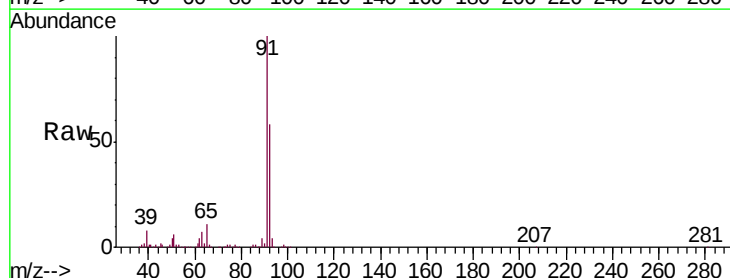
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

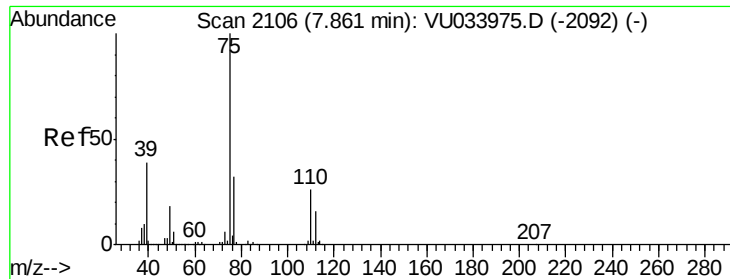
Tgt Ion: 43 Resp: 2597718
 Ion Ratio Lower Upper
 43 100
 58 42.9 33.6 50.4



#52
 Toluene
 Concen: 100.289 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Tgt Ion: 92 Resp: 913351
 Ion Ratio Lower Upper
 92 100
 91 170.5 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 97.679 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

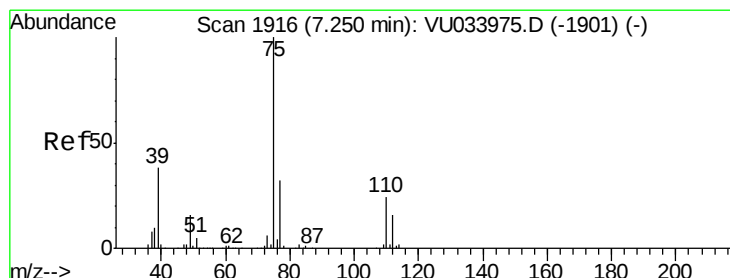
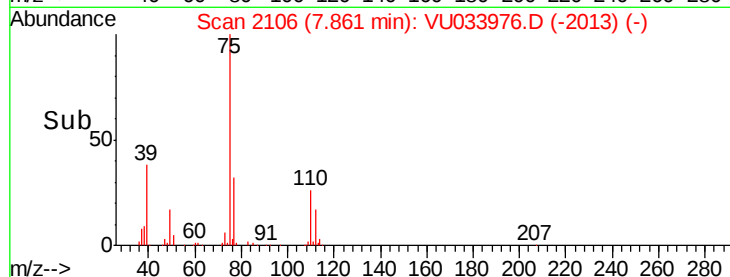
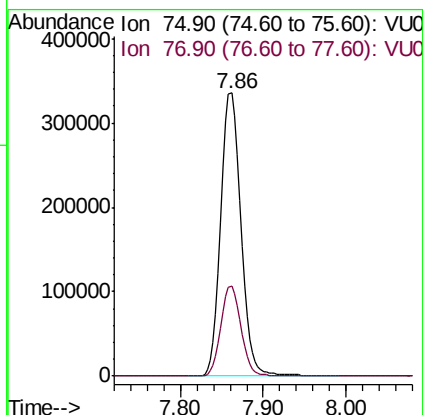
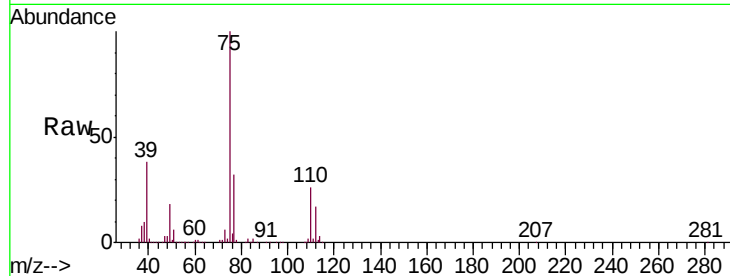
VSTDIC100

Tgt Ion: 75 Resp: 566308

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 94.207 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

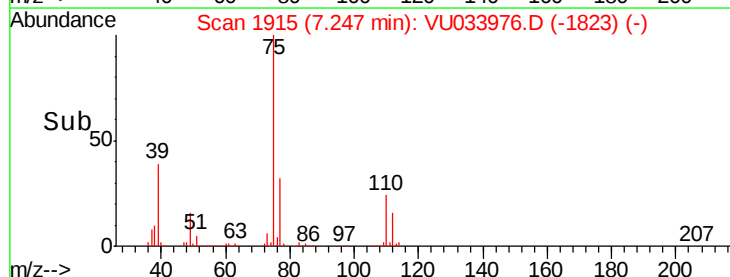
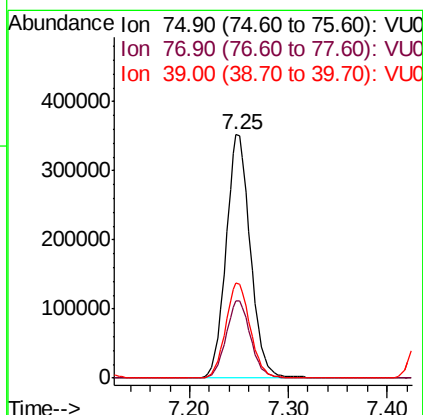
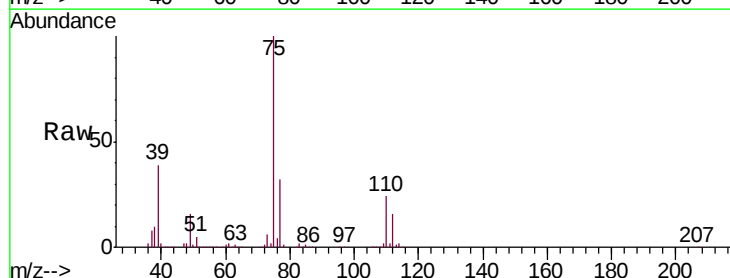
Tgt Ion: 75 Resp: 608480

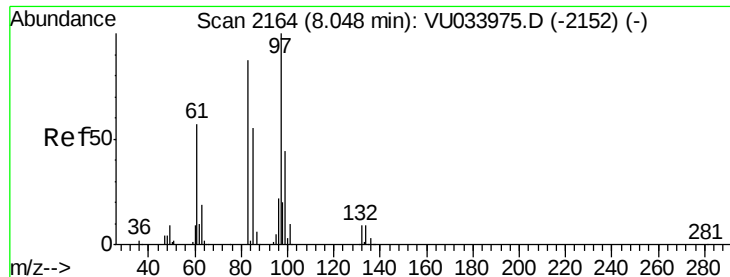
Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

39 39.0 30.7 46.1





#55

1,1,2-Trichloroethane

Concen: 92.759 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 370422

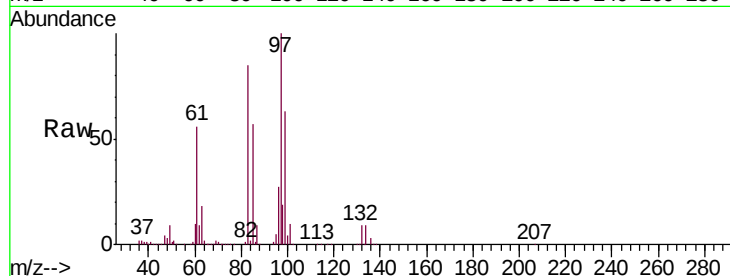
Ion Ratio Lower Upper

97 100

83 85.4 69.8 104.6

85 56.5 45.2 67.8

99 62.6 52.2 78.4

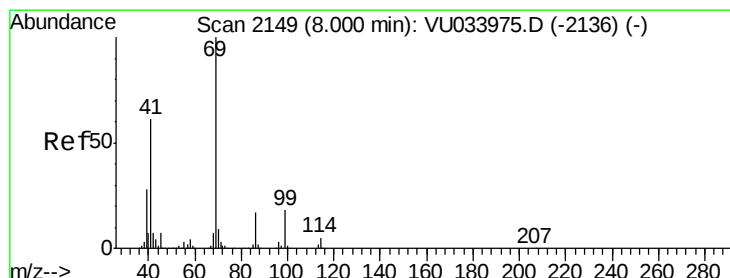
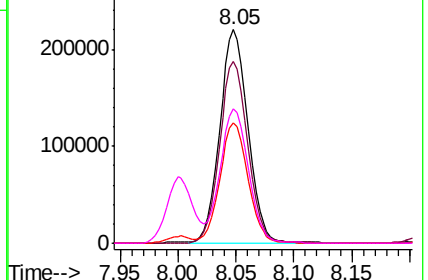
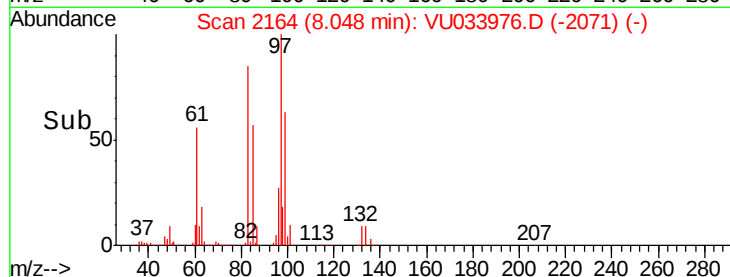


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 110.127 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

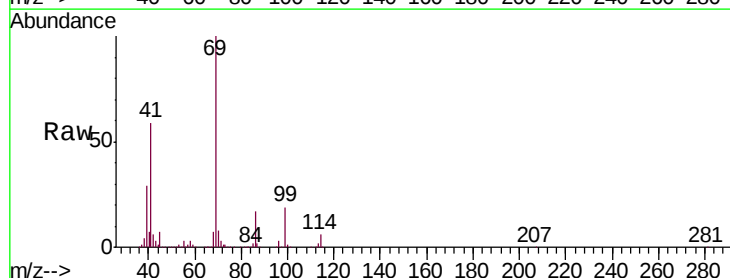
Tgt Ion: 69 Resp: 597442

Ion Ratio Lower Upper

69 100

41 58.4 48.6 72.8

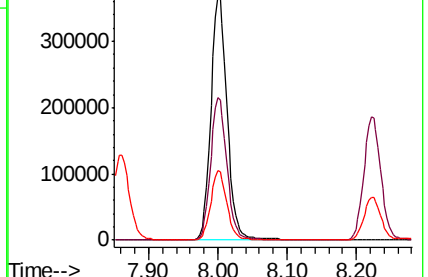
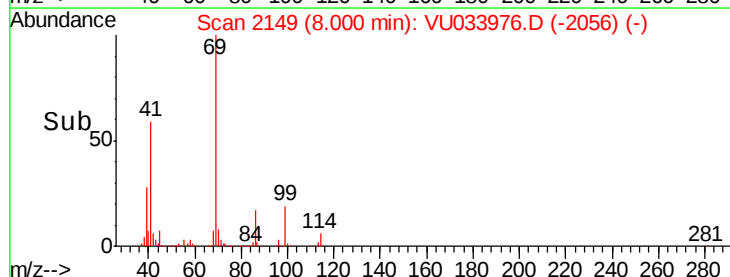
39 27.9 22.4 33.6

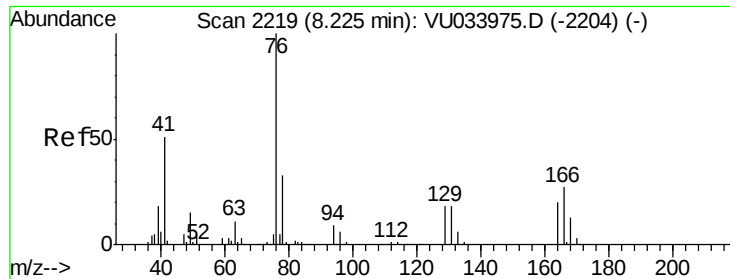


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 89.678 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

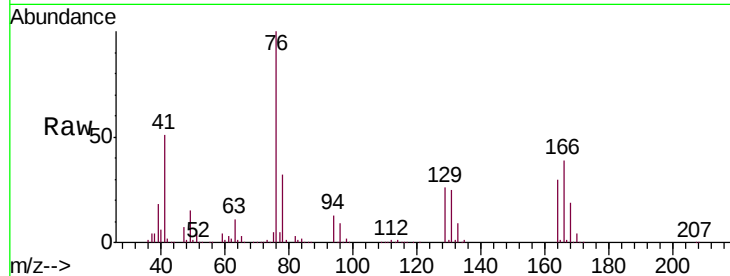
VSTDIC100

Tgt Ion: 76 Resp: 619129

Ion Ratio Lower Upper

76 100

78 32.2 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VU033975.D (-2204) (-)

Ion 77.90 (77.60 to 78.60): VU033975.D (-2204) (-)

8.22

400000

300000

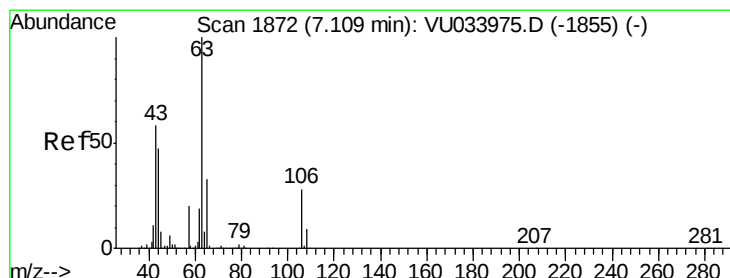
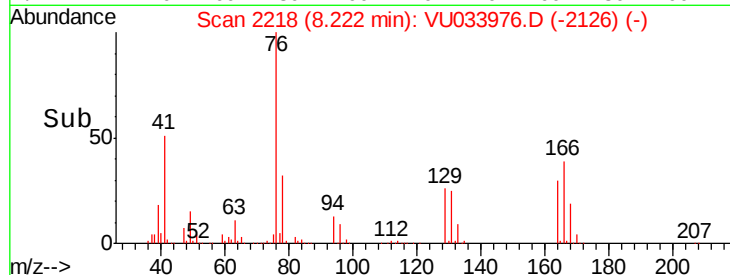
200000

100000

0

8.20 8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 551.432 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU033976.D

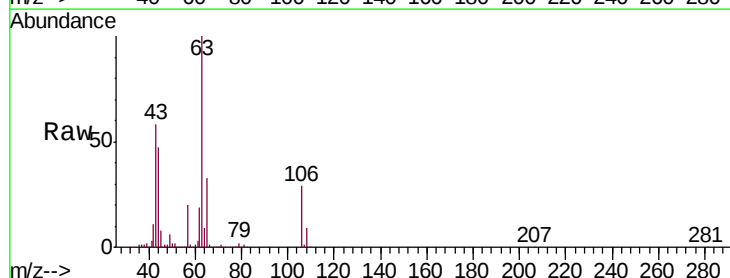
Acq: 27 Aug 2019 16:18

Tgt Ion: 63 Resp: 1067890

Ion Ratio Lower Upper

63 100

106 28.7 22.4 33.6



Abundance Ion 62.90 (62.60 to 63.60): VU033975.D (-1855) (-)

Ion 105.90 (105.60 to 106.60): VU033975.D (-1855) (-)

7.11

600000

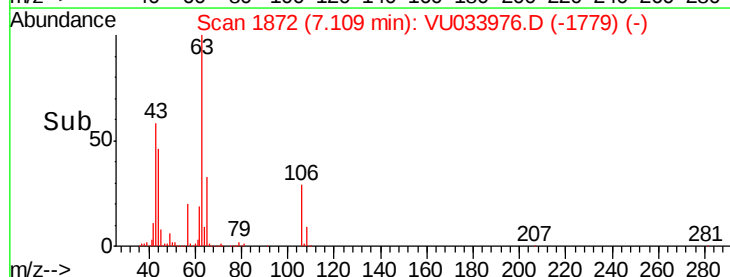
400000

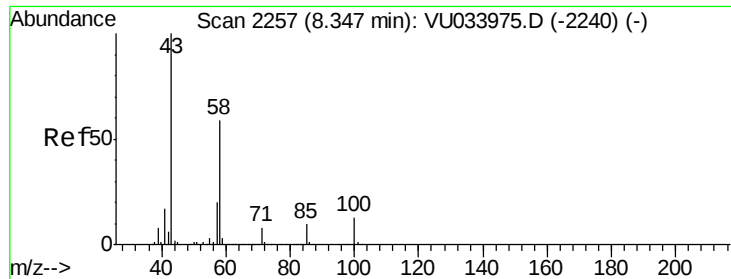
200000

0

7.00 7.10 7.20

Time-->

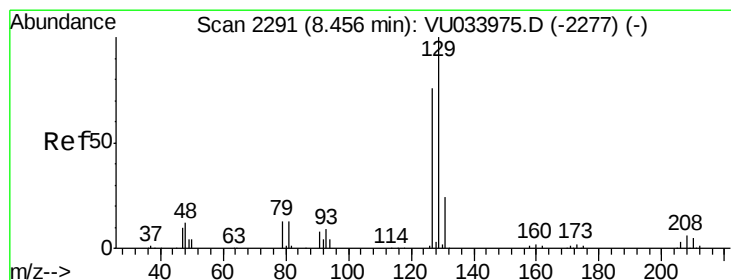
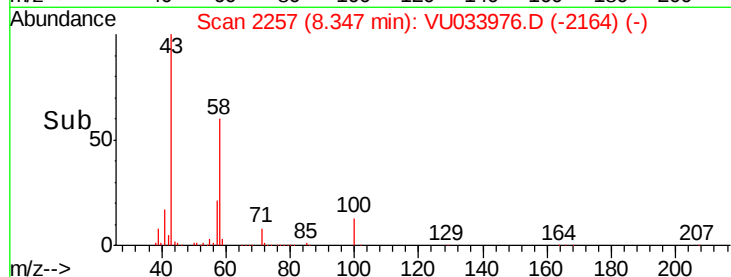
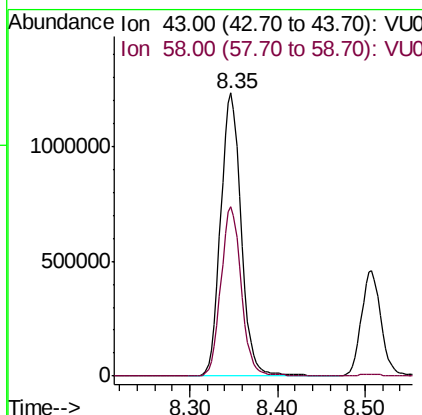
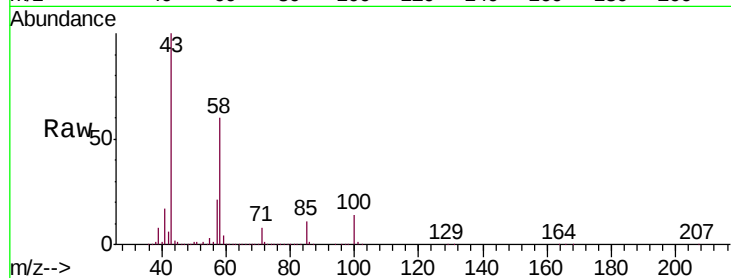




#59
2-Hexanone
Concen: 436.550 ug/l
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

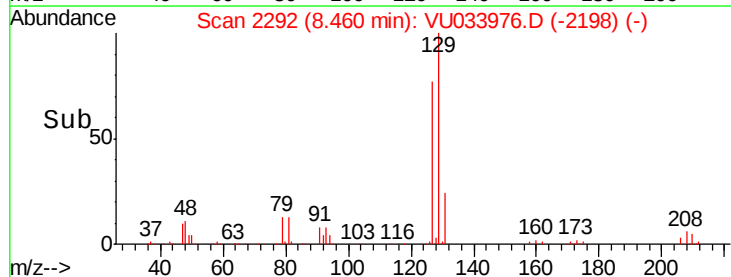
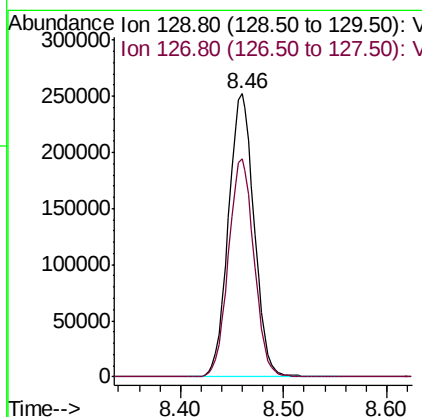
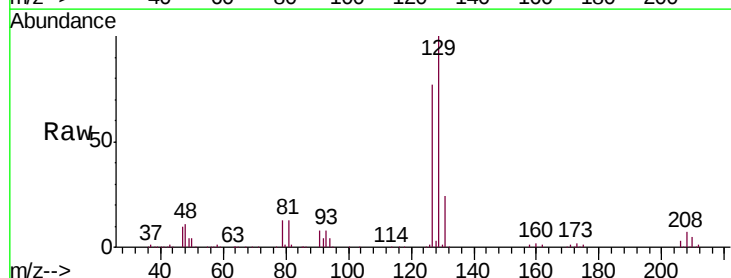
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

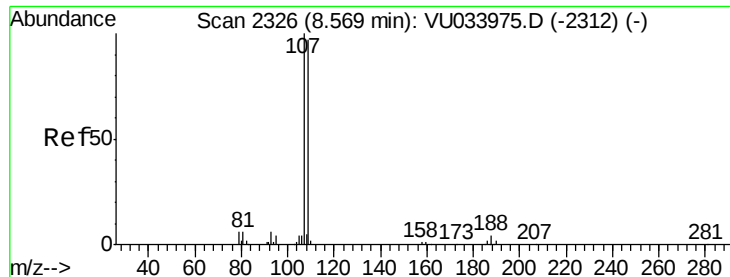
Tgt Ion: 43 Resp: 2007878
Ion Ratio Lower Upper
43 100
58 59.5 29.5 88.6



#60
Dibromochloromethane
Concen: 104.198 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

Tgt Ion: 129 Resp: 439203
Ion Ratio Lower Upper
129 100
127 76.6 38.8 116.4





#61

1,2-Dibromoethane

Concen: 97.253 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

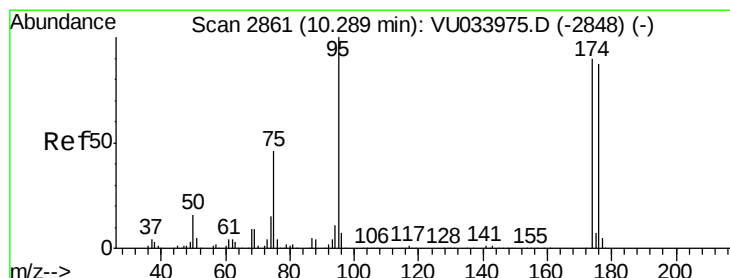
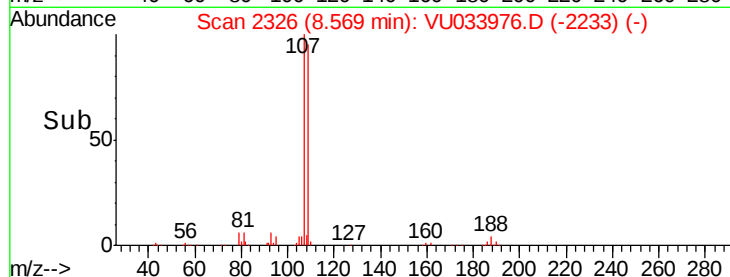
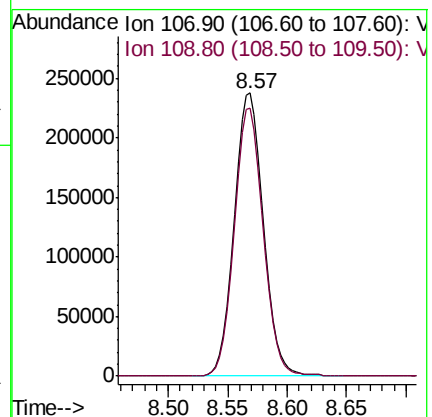
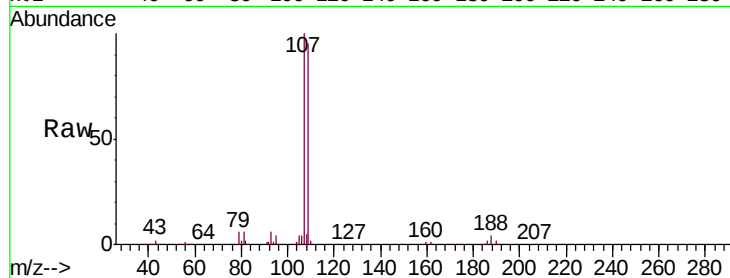
VSTDIC100

Tgt Ion: 107 Resp: 403684

Ion Ratio Lower Upper

107 100

109 94.4 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 97.395 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

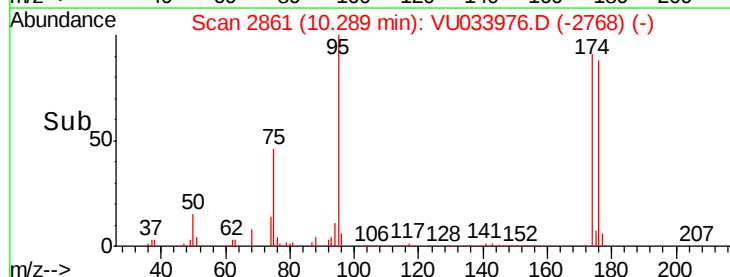
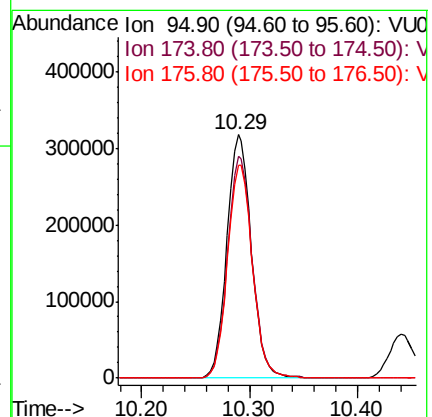
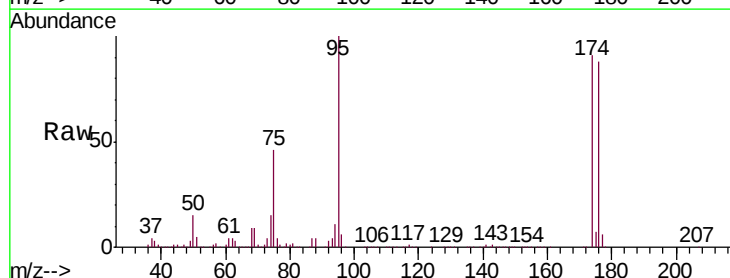
Tgt Ion: 95 Resp: 501943

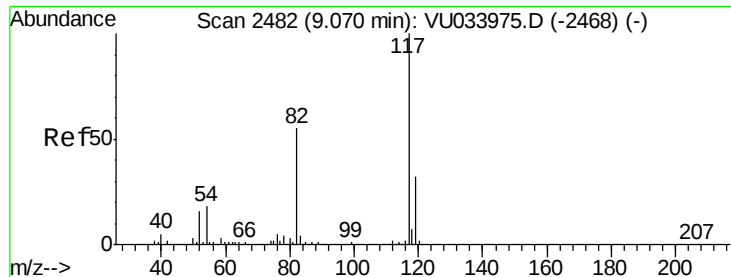
Ion Ratio Lower Upper

95 100

174 92.3 0.0 183.8

176 89.3 0.0 176.4

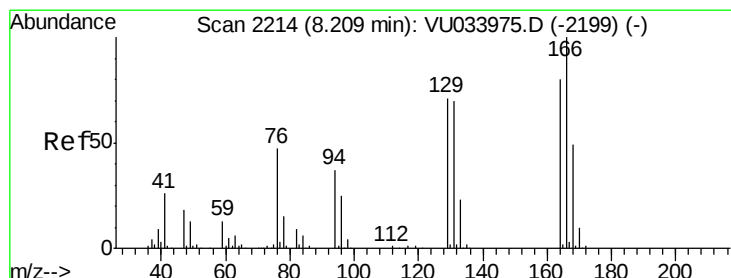
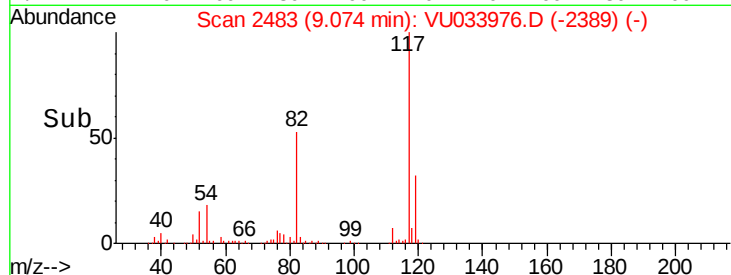
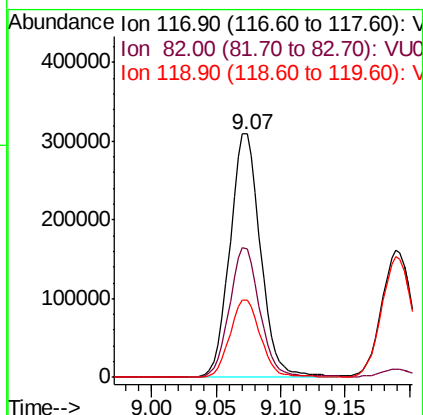
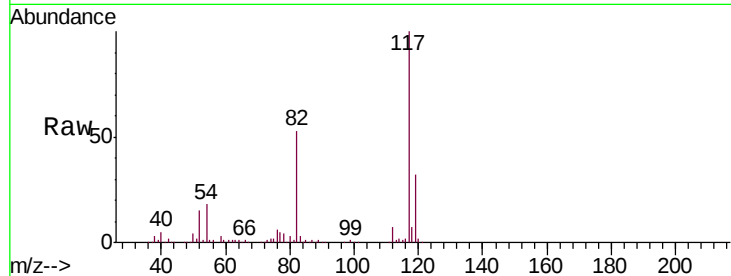




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2483
Delta R.T. 0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

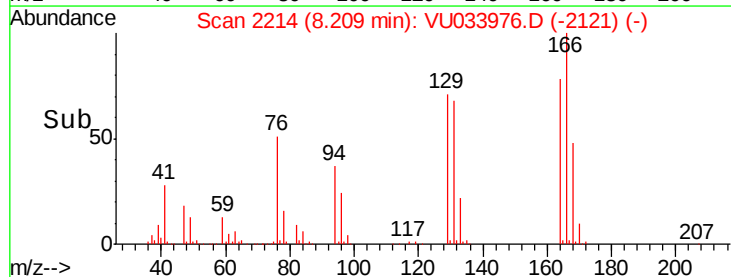
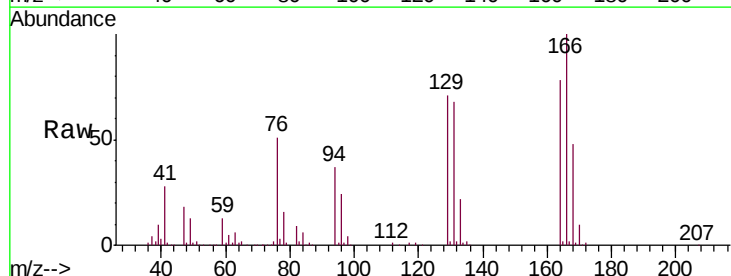
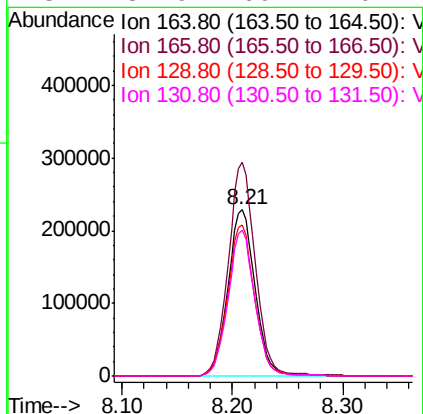
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

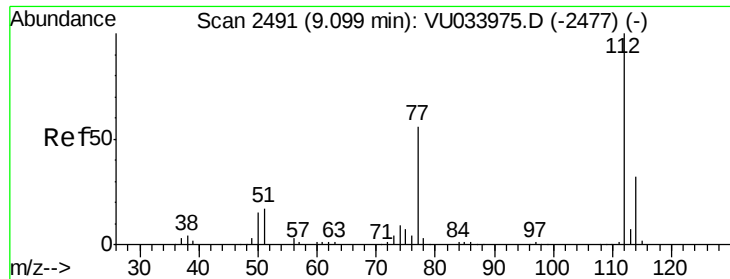
Tgt Ion:117 Resp: 511671
Ion Ratio Lower Upper
117 100
82 52.5 43.8 65.8
119 31.6 25.7 38.5



#64
Tetrachloroethene
Concen: 103.465 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

Tgt Ion:164 Resp: 390872
Ion Ratio Lower Upper
164 100
166 128.7 99.5 149.3
129 91.0 70.9 106.3
131 87.9 69.4 104.2

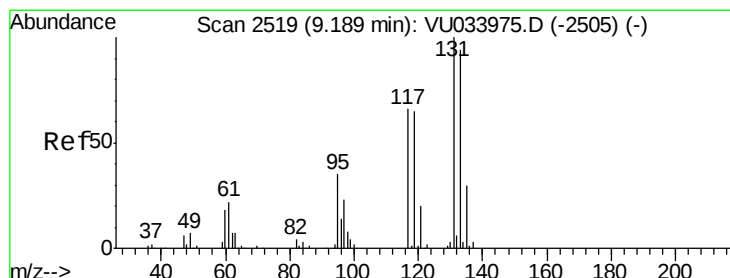
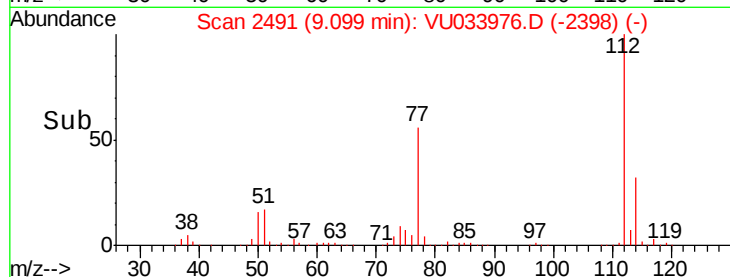
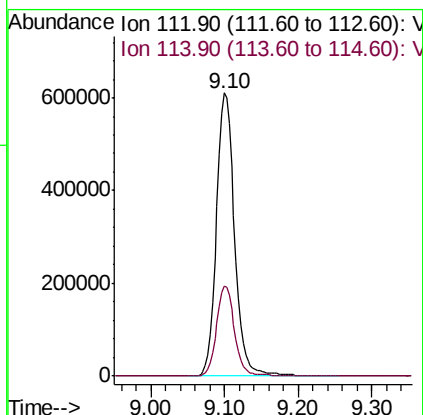
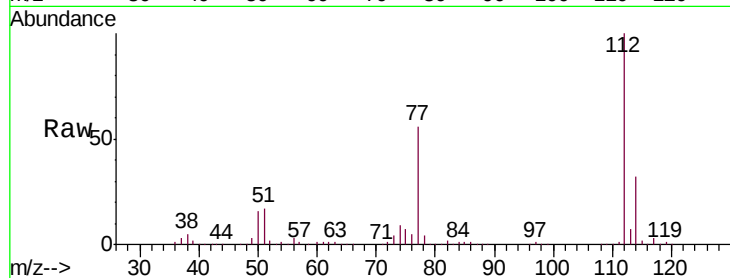




#65
Chlorobenzene
Concen: 98.613 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

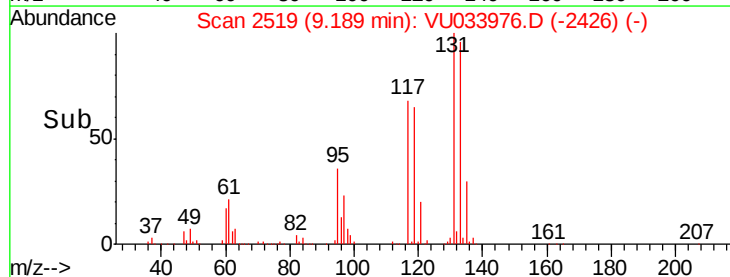
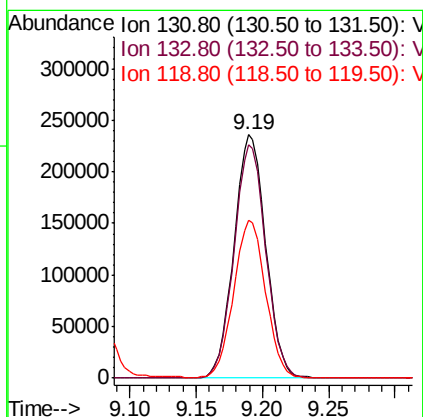
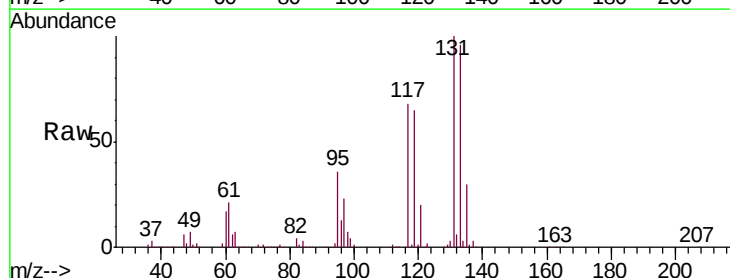
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

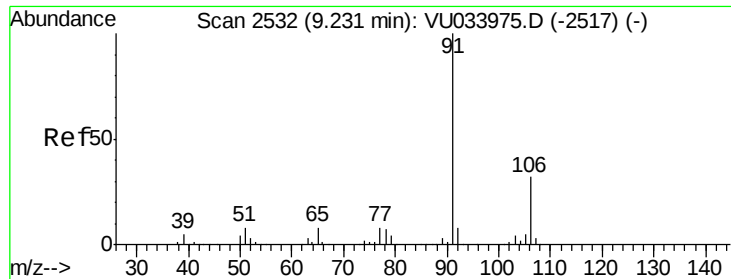
Tgt Ion:112 Resp: 1041494
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 100.104 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

Tgt Ion:131 Resp: 392425
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.9
119 65.2 33.0 98.9





#67

Ethyl Benzene

Concen: 103.040 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

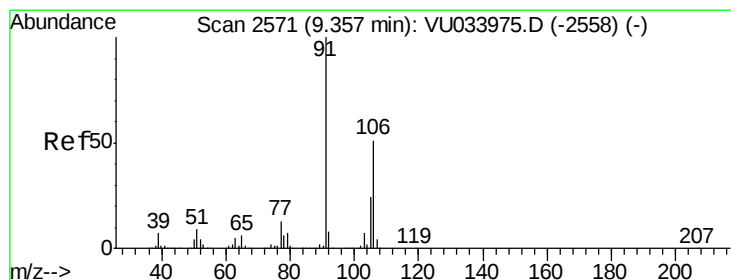
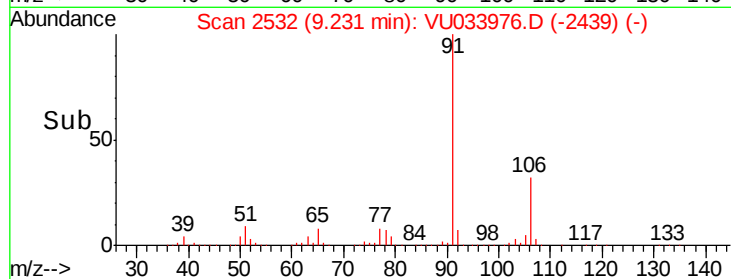
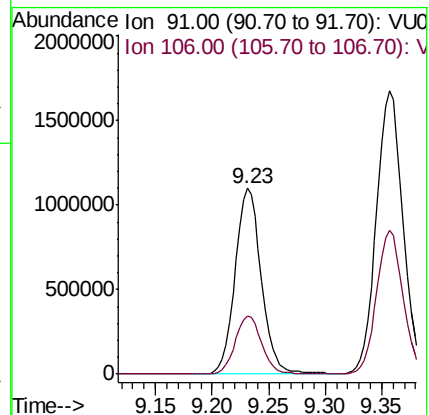
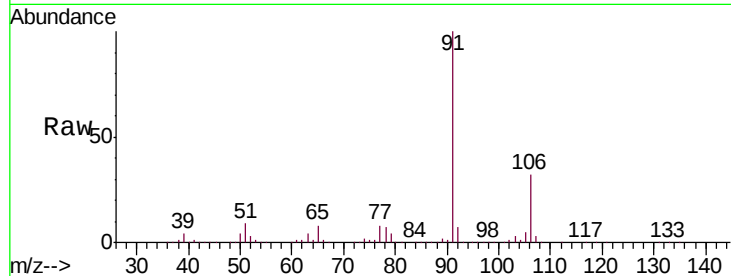
VSTDIC100

Tgt Ion: 91 Resp: 1776878

Ion Ratio Lower Upper

91 100

106 31.6 25.4 38.0



#68

m/p-Xylenes

Concen: 218.551 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033976.D

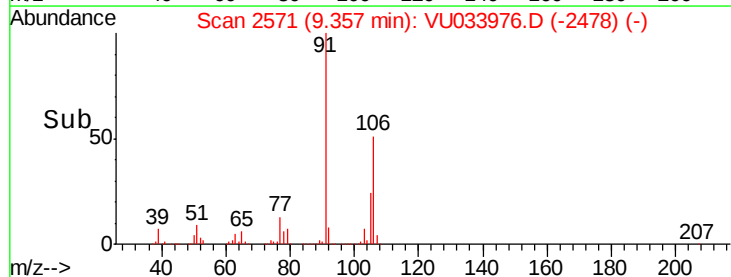
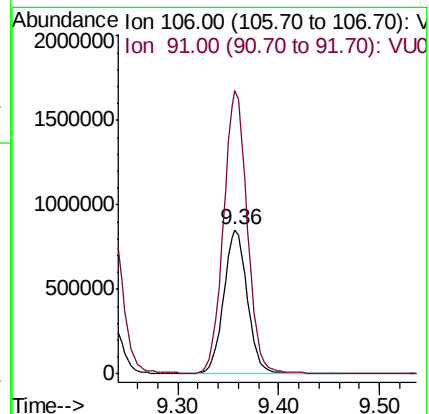
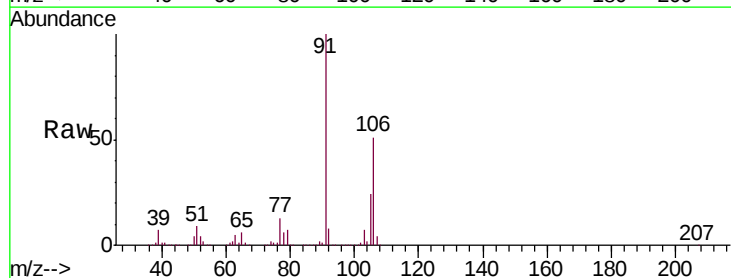
Acq: 27 Aug 2019 16:18

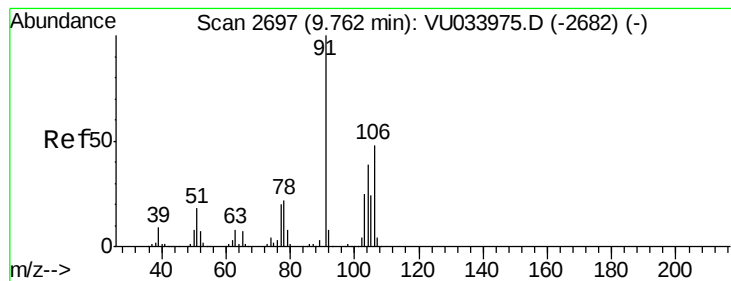
Tgt Ion: 106 Resp: 1395134

Ion Ratio Lower Upper

106 100

91 197.9 158.4 237.6





#69

o-Xylene

Concen: 110.197 ug/l

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

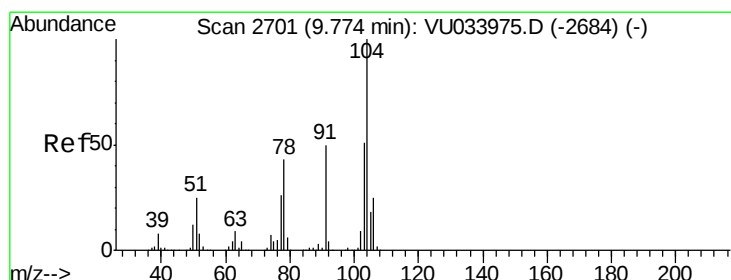
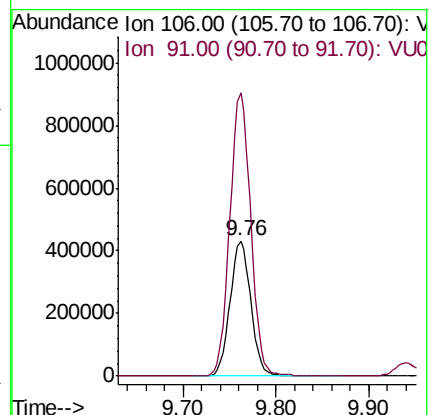
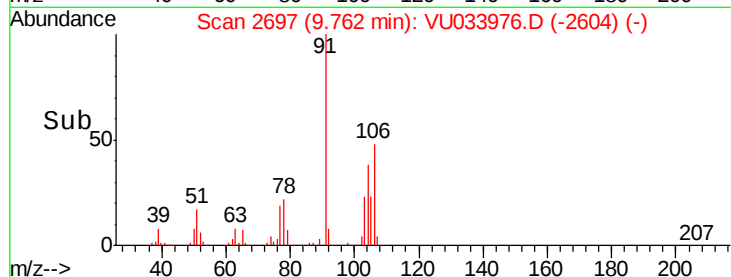
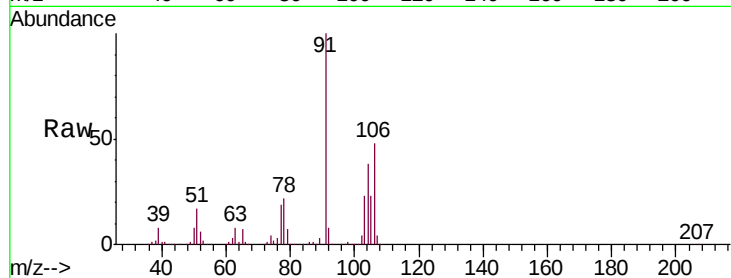
VSTDICC100

Tgt Ion:106 Resp: 672836

Ion Ratio Lower Upper

106 100

91 210.4 104.5 313.3



#70

Styrene

Concen: 112.735 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

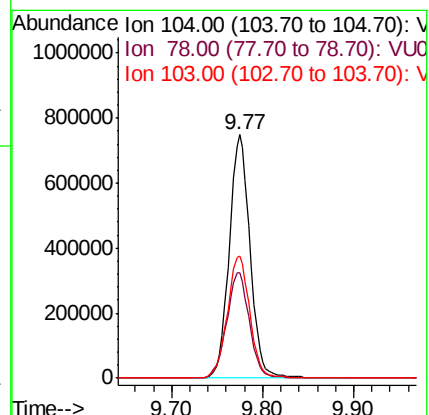
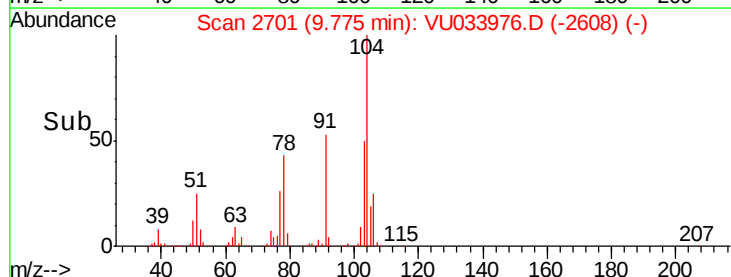
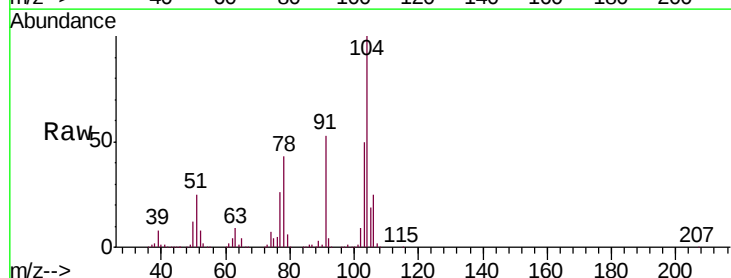
Tgt Ion:104 Resp: 1189055

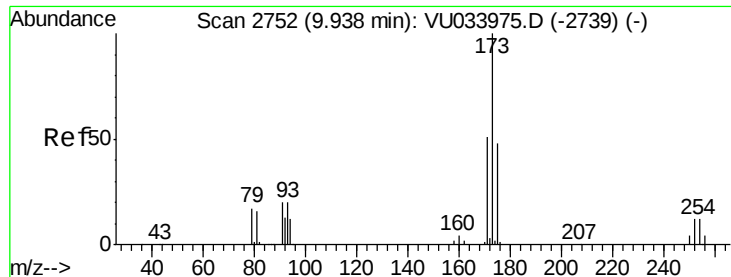
Ion Ratio Lower Upper

104 100

78 47.3 37.5 56.3

103 54.3 43.9 65.9





#71

Bromoform

Concen: 110.633 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

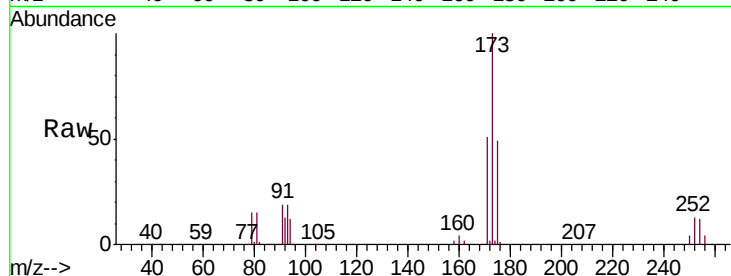
Tgt Ion:173 Resp: 366620

Ion Ratio Lower Upper

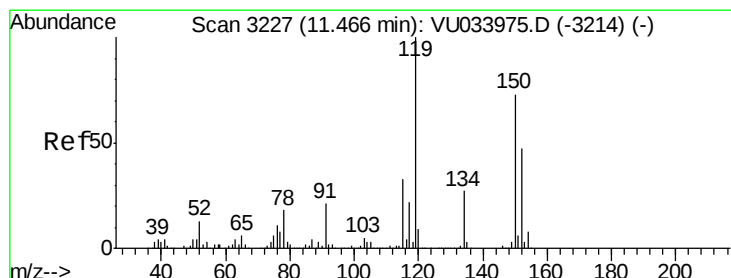
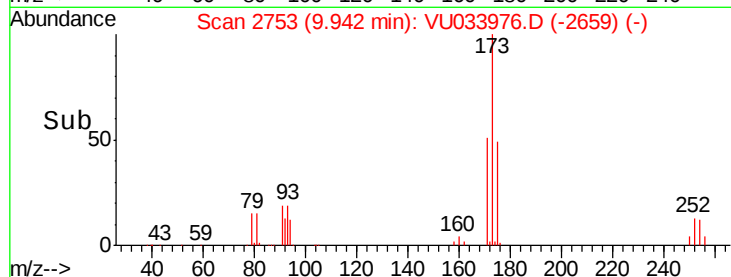
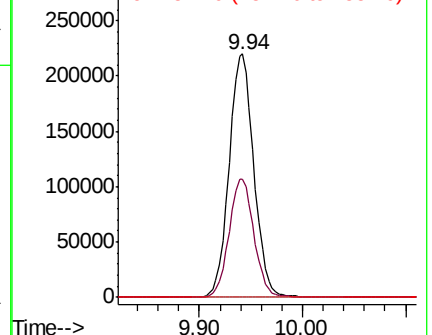
173 100

175 49.0 24.3 72.9

254 0.1 0.1 0.1#



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: VU033976.D

Acq: 27 Aug 2019 16:18

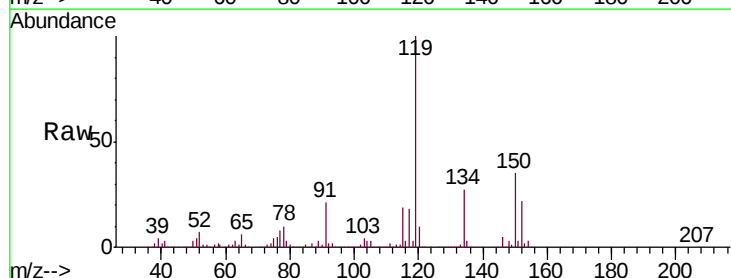
Tgt Ion:152 Resp: 279984

Ion Ratio Lower Upper

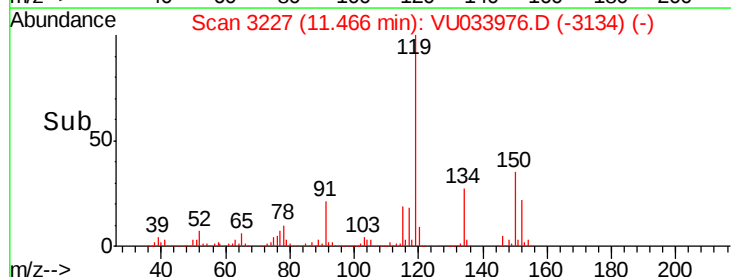
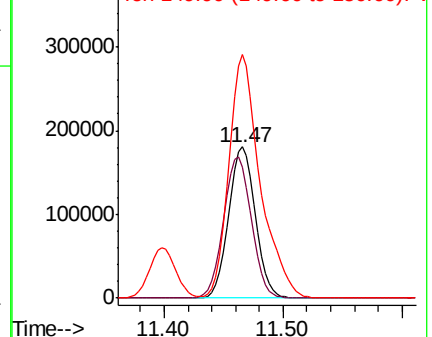
152 100

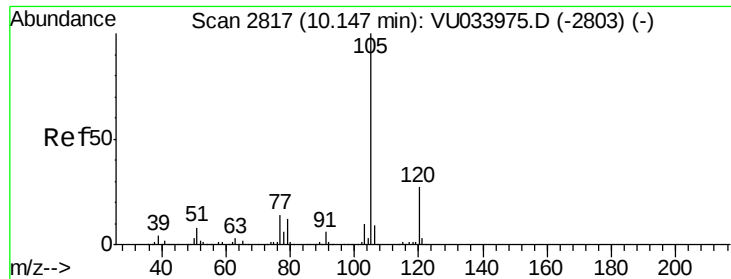
115 97.3 38.6 115.7

150 188.8 0.0 343.8



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: 105.990 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

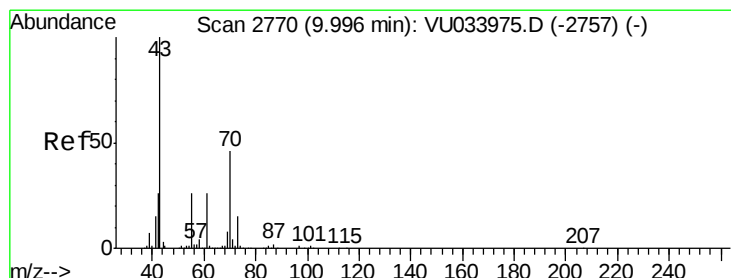
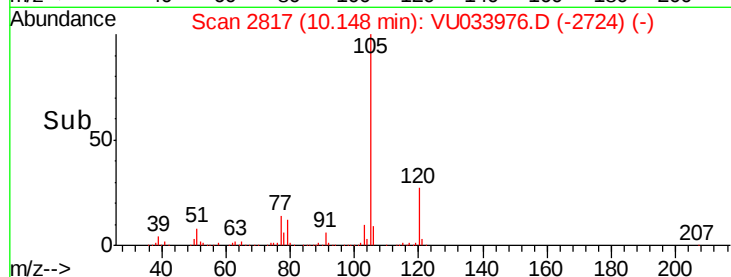
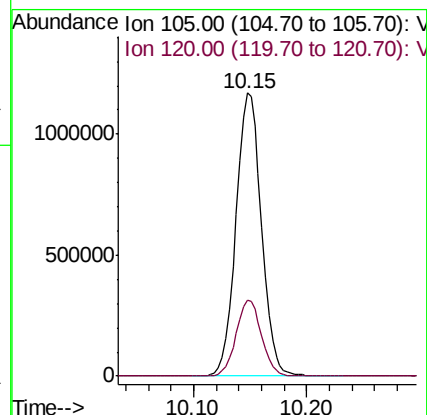
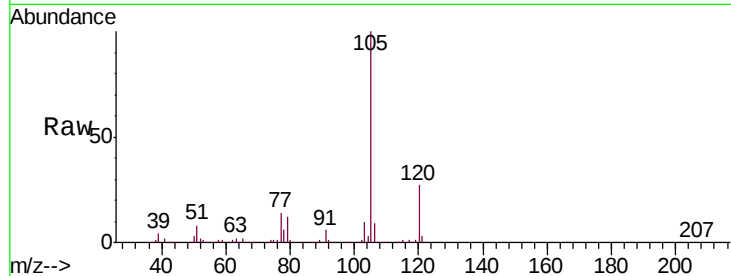
VSTDIC100

Tgt Ion:105 Resp: 1829661

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



#74

N-ethyl acetate

Concen: 99.409 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Tgt Ion: 43 Resp: 720609

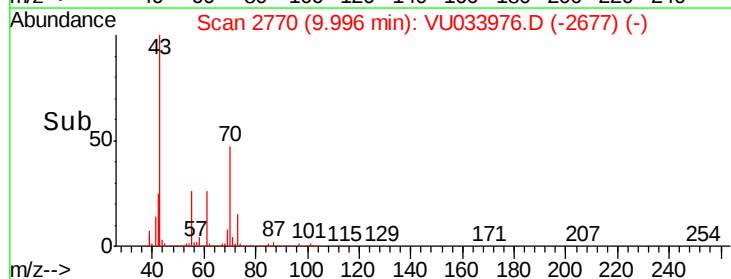
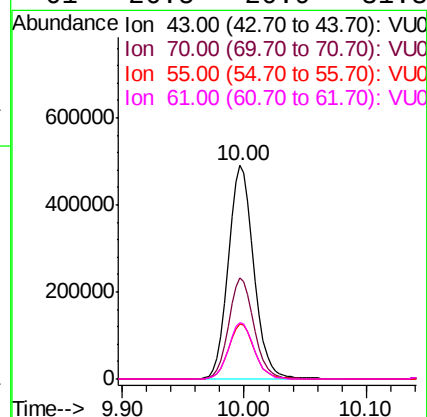
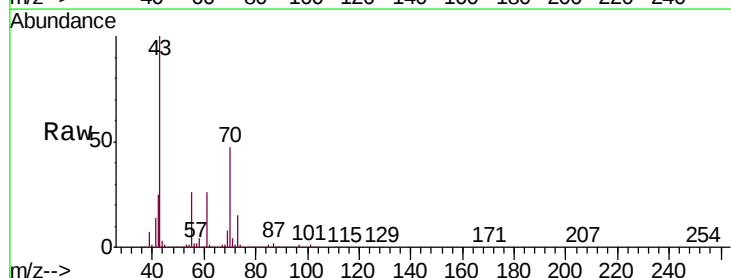
Ion Ratio Lower Upper

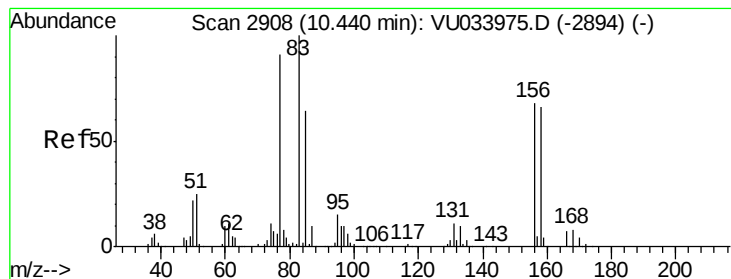
43 100

70 47.1 37.4 56.0

55 26.1 21.0 31.4

61 26.5 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 85.384 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

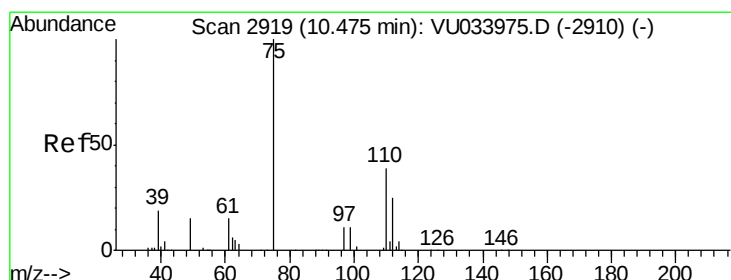
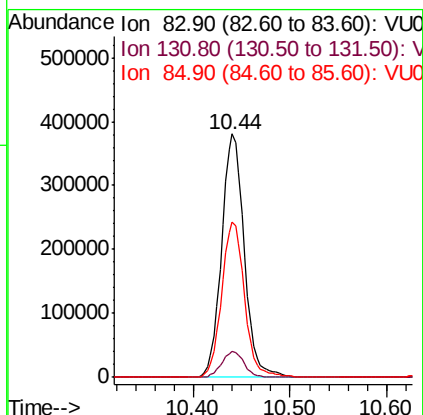
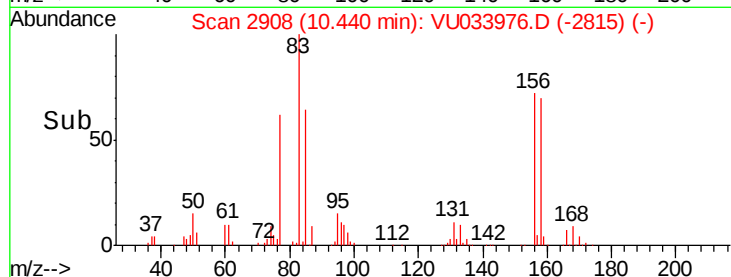
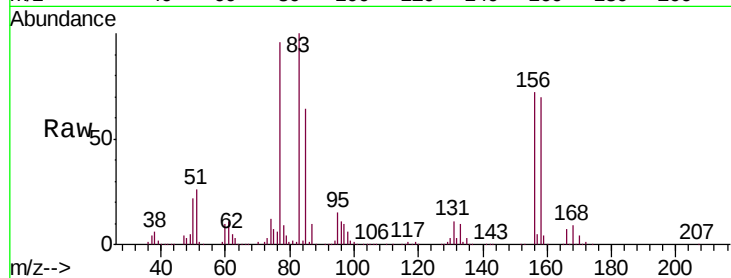
Tgt Ion: 83 Resp: 617104

Ion Ratio Lower Upper

83 100

131 10.5 5.3 16.1

85 64.6 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 111.082 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033976.D

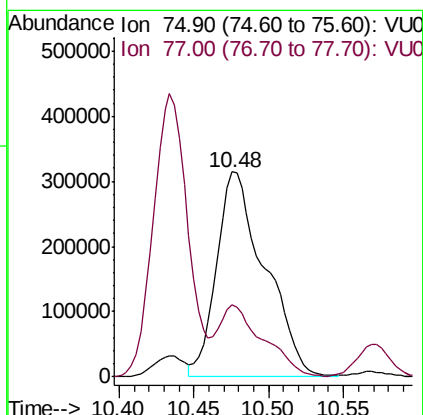
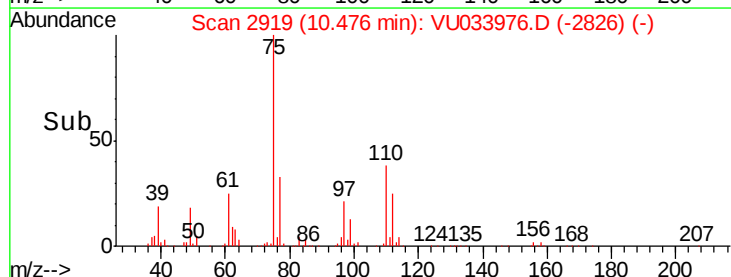
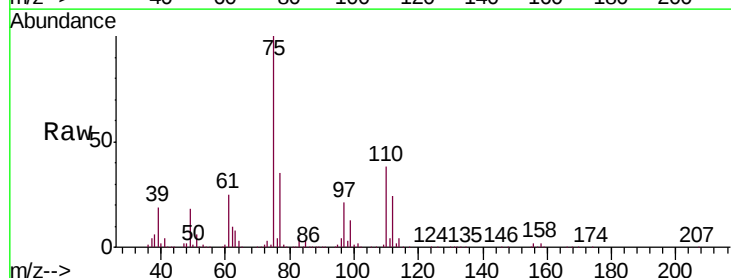
Acq: 27 Aug 2019 16:18

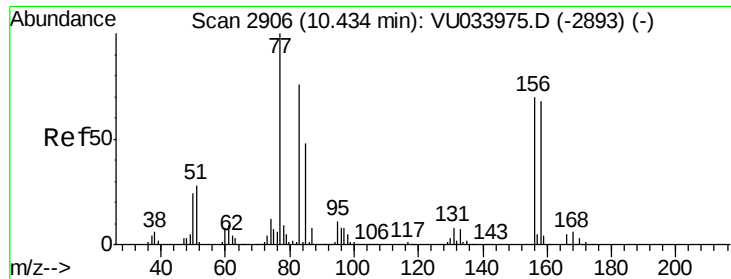
Tgt Ion: 75 Resp: 706795

Ion Ratio Lower Upper

75 100

77 31.4 21.0 63.0





#77

Bromobenzene

Concen: 107.727 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

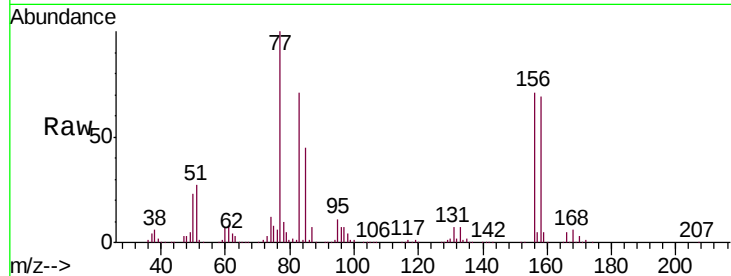
Tgt Ion:156 Resp: 501880

Ion Ratio Lower Upper

156 100

77 138.2 70.3 211.1

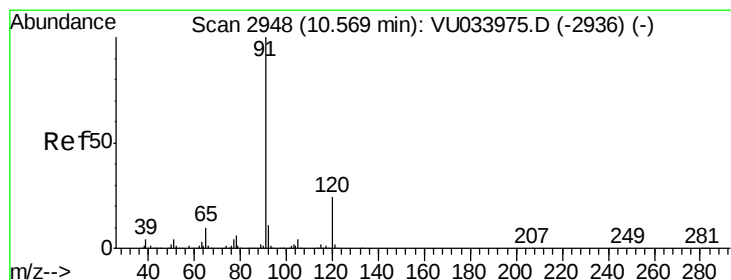
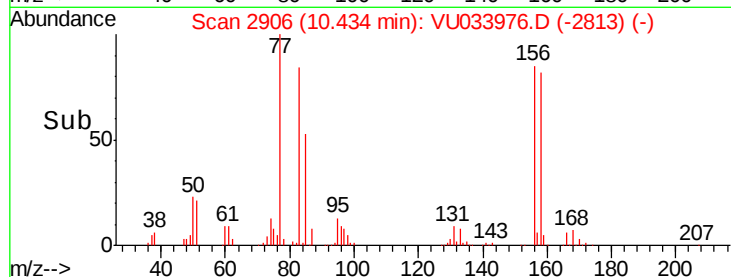
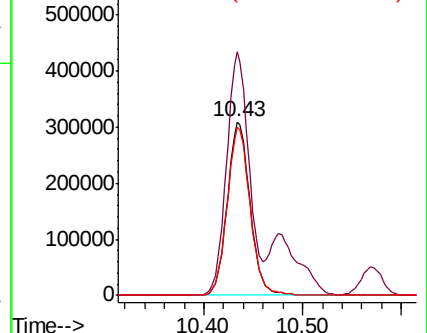
158 97.3 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 102.753 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU033976.D

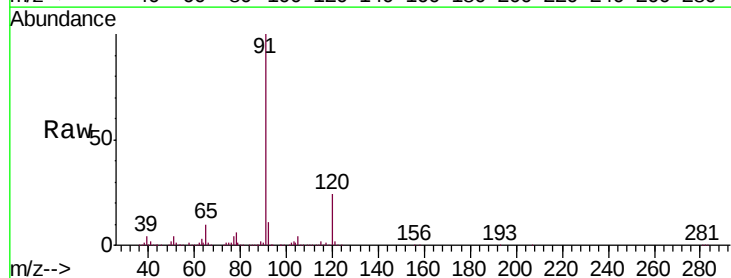
Acq: 27 Aug 2019 16:18

Tgt Ion: 91 Resp: 2098131

Ion Ratio Lower Upper

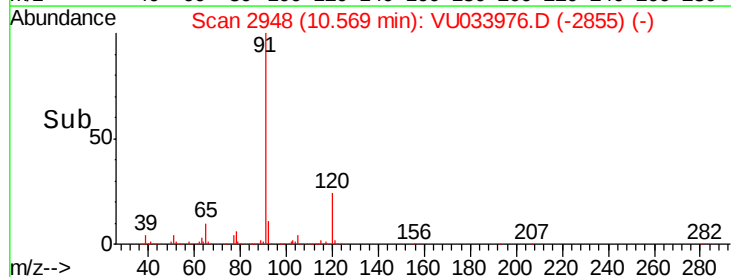
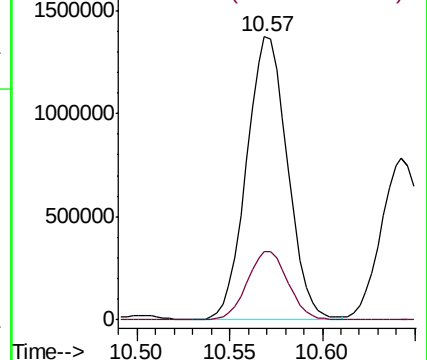
91 100

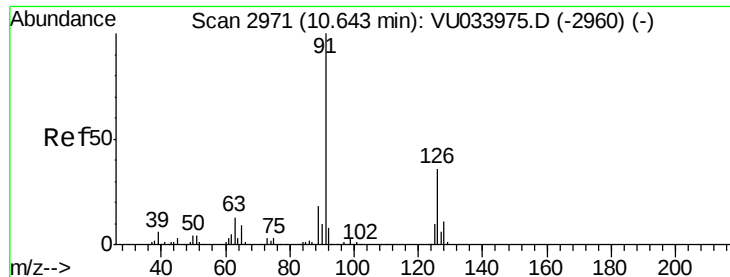
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 99.588 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

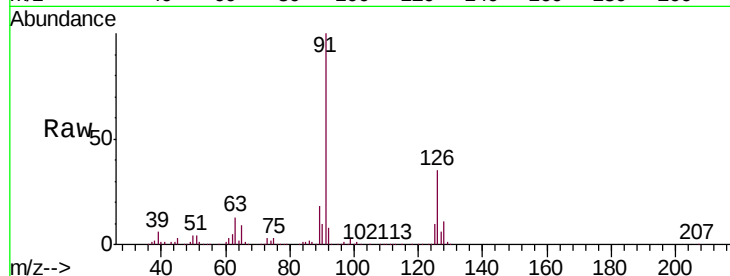
VSTDIC100

Tgt Ion: 91 Resp: 1219971

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VU033976.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU033976.D (-2960) (-)

1500000

1000000

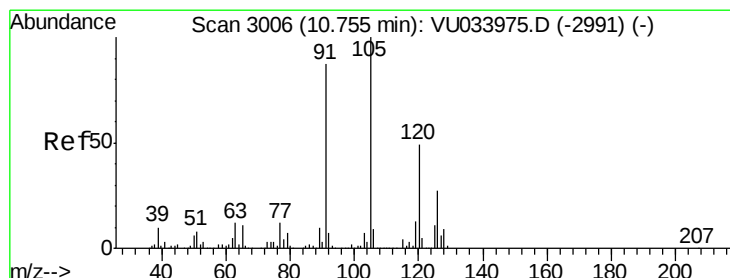
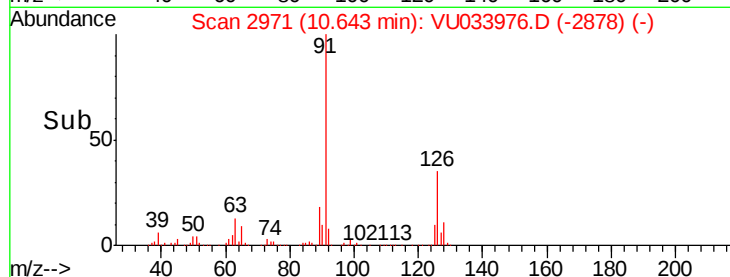
500000

0

10.64

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 107.646 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033976.D

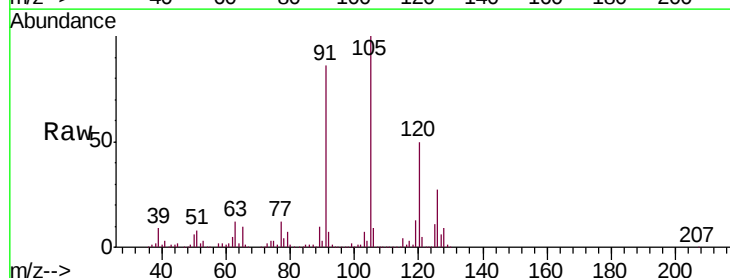
Acq: 27 Aug 2019 16:18

Tgt Ion: 105 Resp: 1589843

Ion Ratio Lower Upper

105 100

120 50.0 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU033976.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU033976.D (-2991) (-)

1200000

1000000

800000

600000

400000

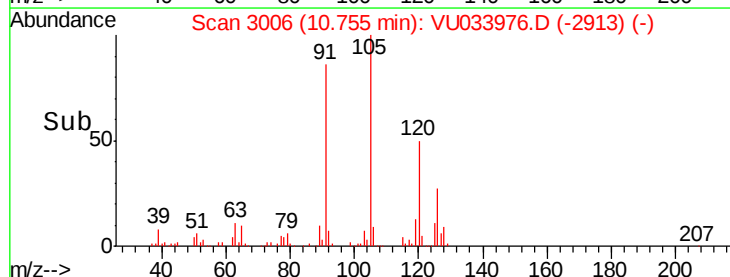
200000

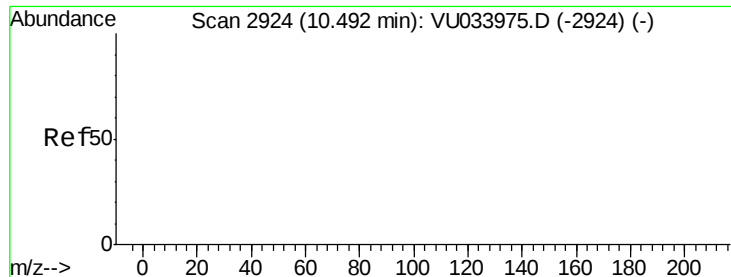
0

10.76

10.70 10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 303.955 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.02 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

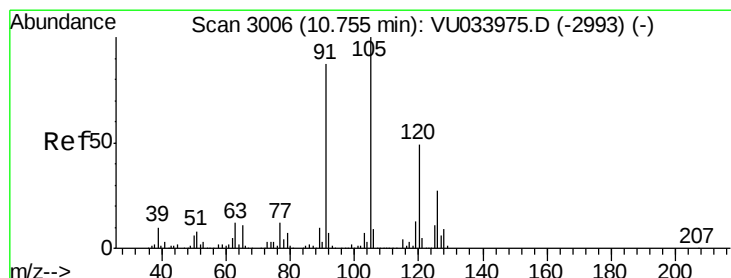
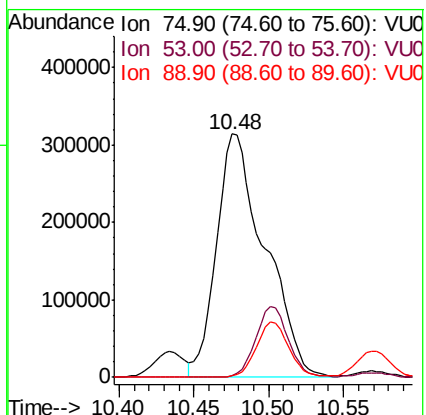
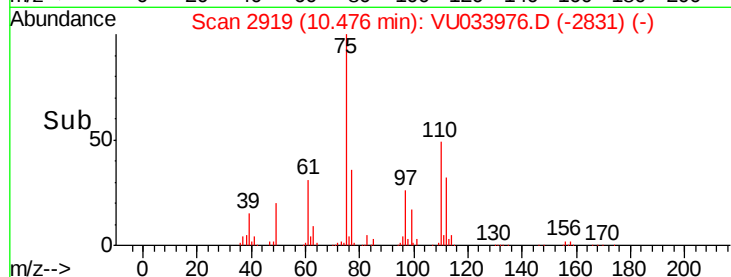
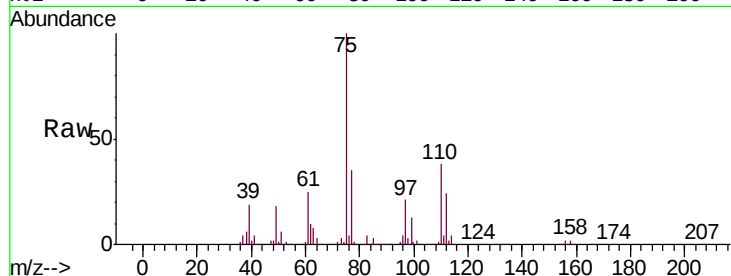
Tgt Ion: 75 Resp: 706795

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 98.897 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033976.D

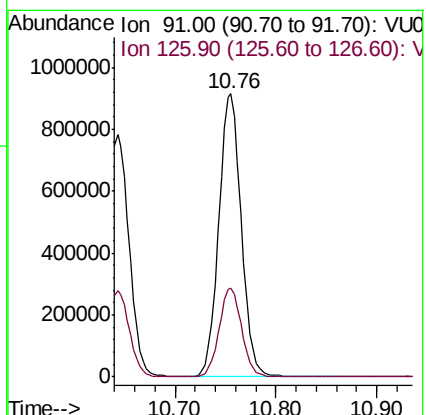
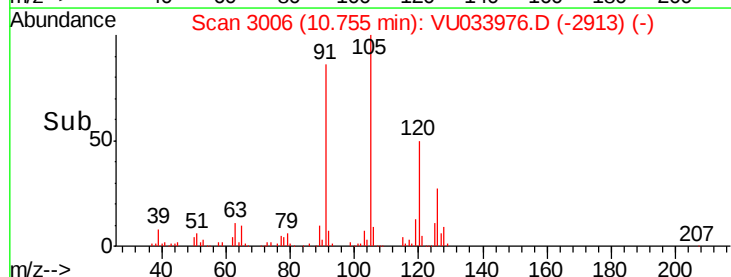
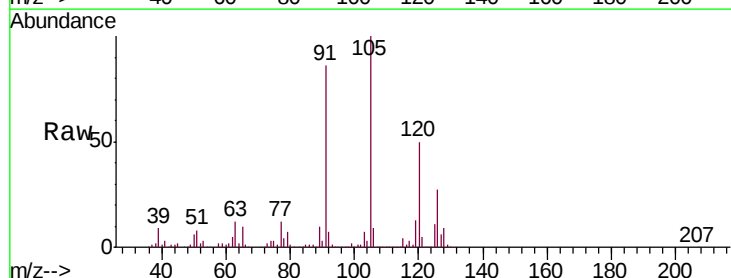
Acq: 27 Aug 2019 16:18

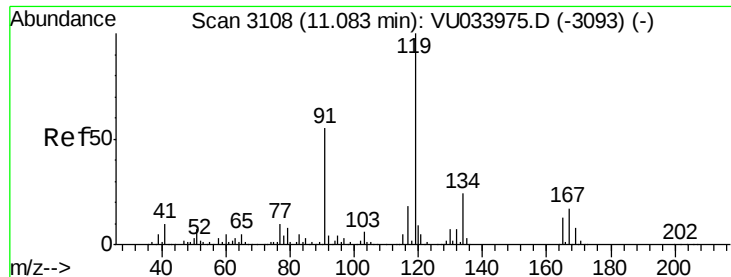
Tgt Ion: 91 Resp: 1421814

Ion Ratio Lower Upper

91 100

126 31.5 15.4 46.4

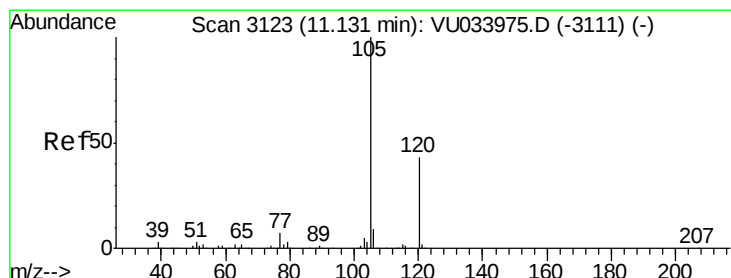
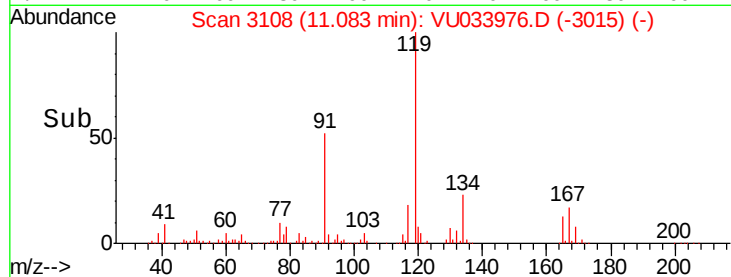
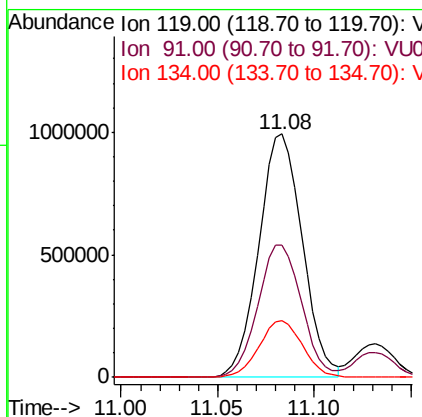
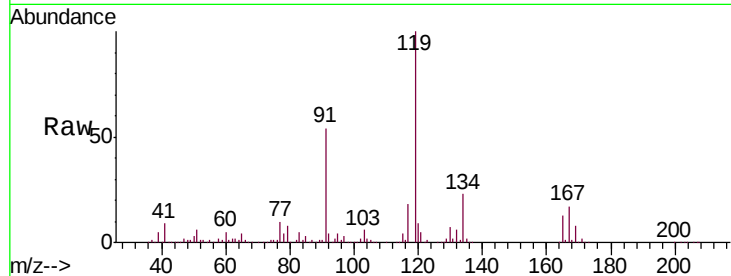




#83
 tert-Butylbenzene
 Concen: 112.324 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

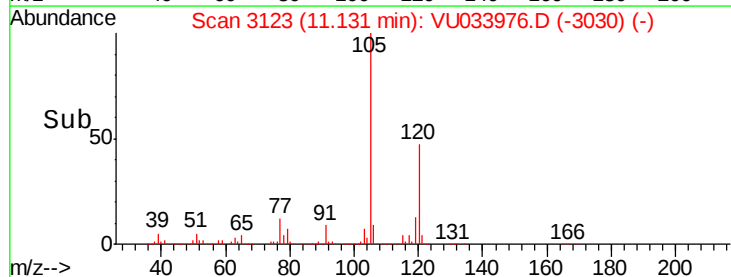
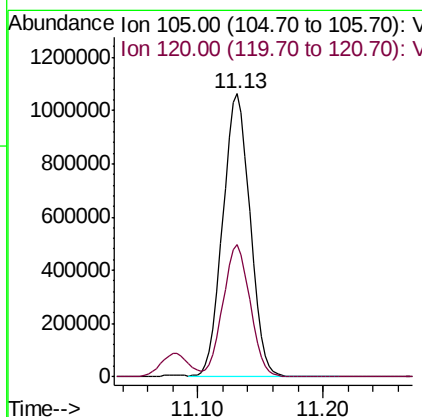
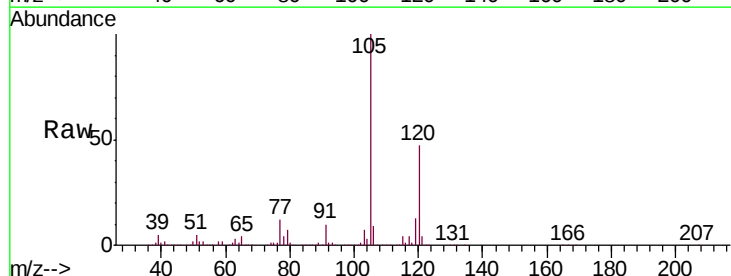
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

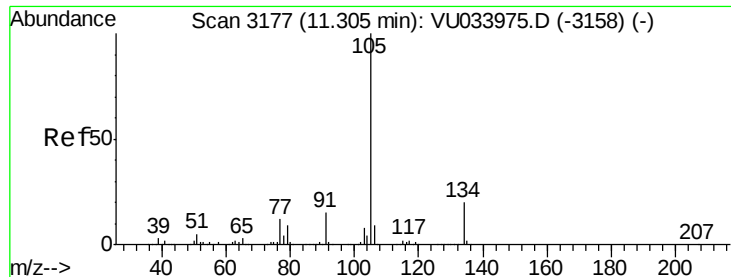
Tgt Ion:119 Resp: 1553360
 Ion Ratio Lower Upper
 119 100
 91 54.7 27.6 82.8
 134 23.2 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 111.582 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Tgt Ion:105 Resp: 1601159
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.3 69.9

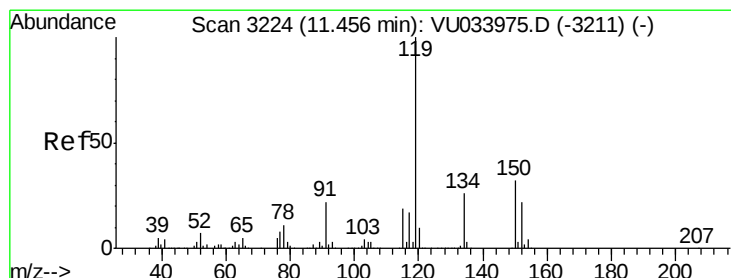
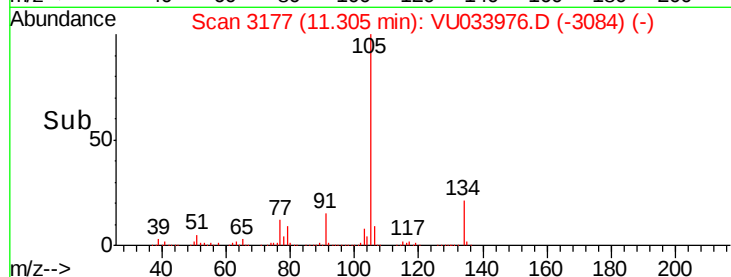
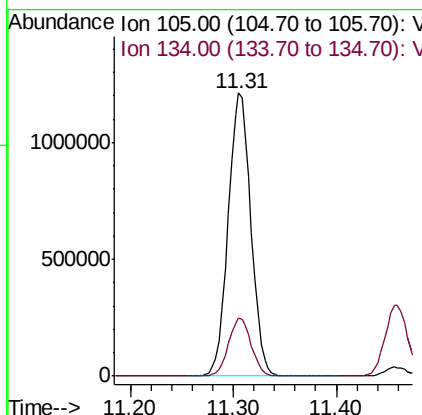
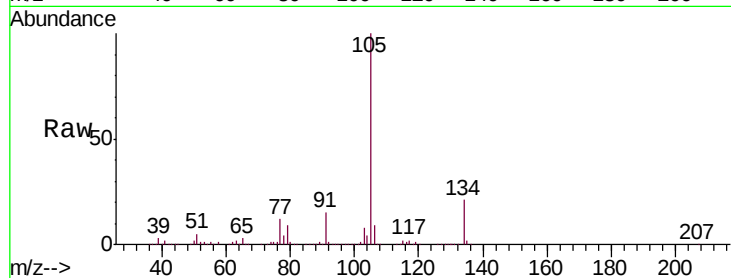




#85
 sec-Butylbenzene
 Concen: 107.223 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

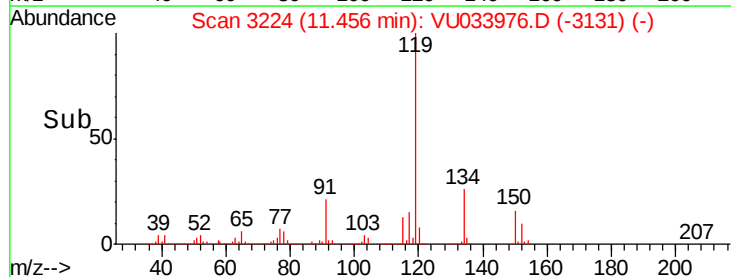
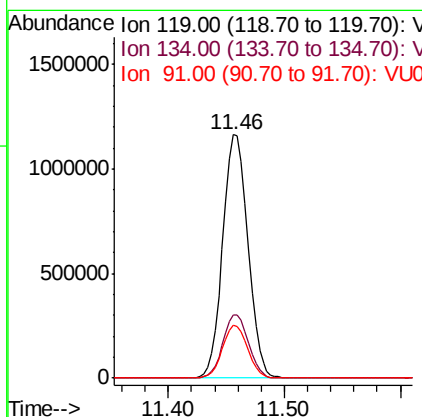
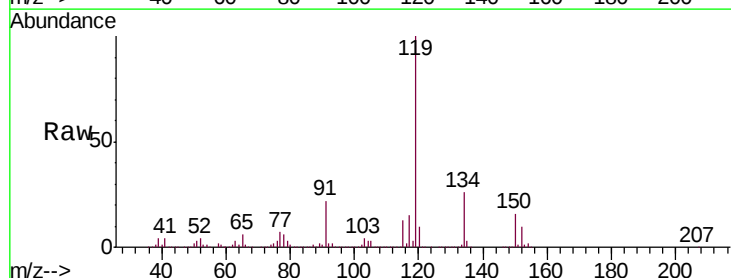
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

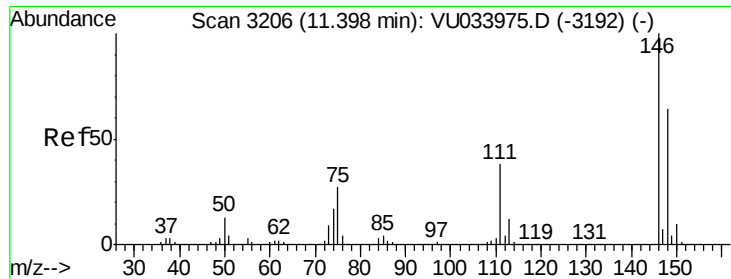
Tgt Ion:105 Resp: 1852488
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 110.905 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Tgt Ion:119 Resp: 1746393
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.0 38.9
 91 21.7 10.9 32.9

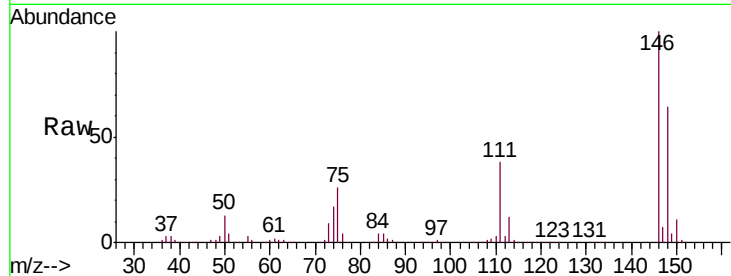




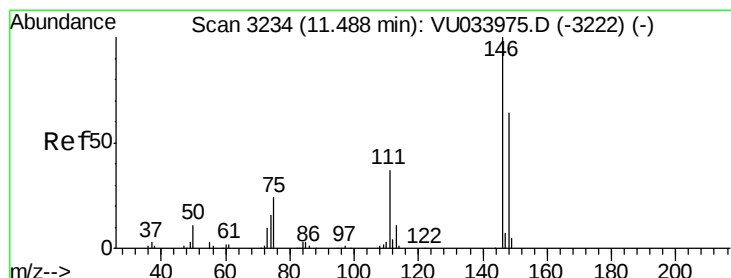
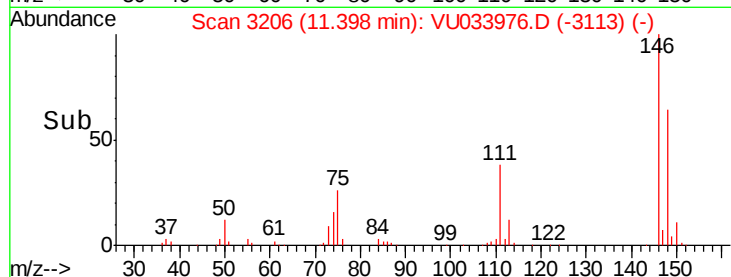
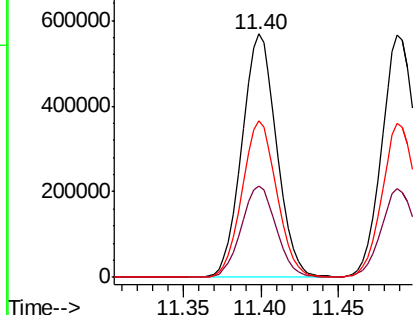
#87
 1,3-Dichlorobenzene
 Concen: 101.076 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 887552
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.4
 148 64.3 31.9 95.7

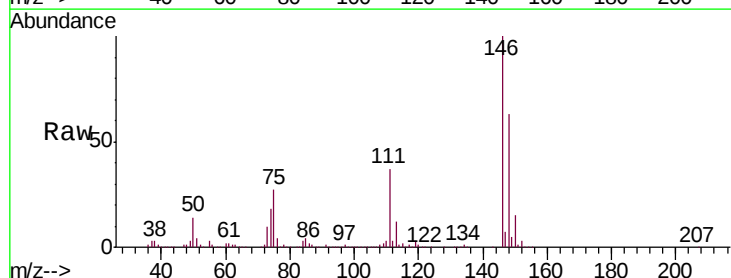


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

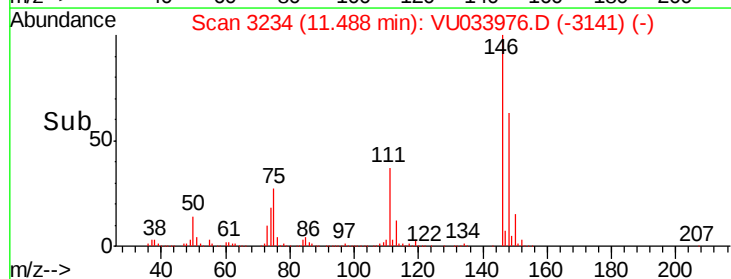
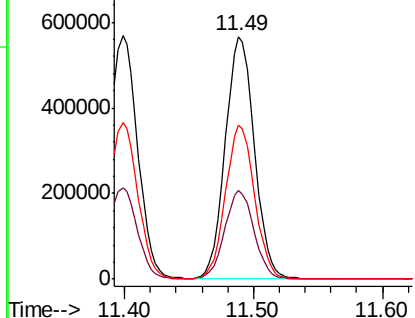


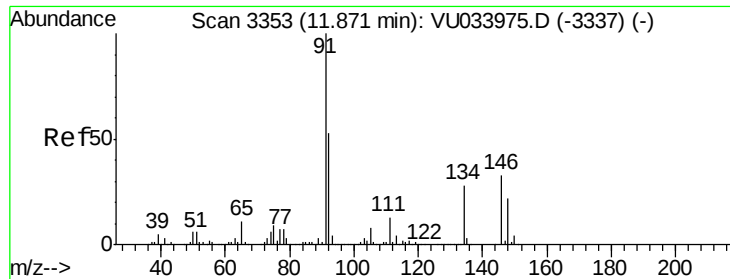
#88
 1,4-Dichlorobenzene
 Concen: 97.434 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Tgt Ion:146 Resp: 883521
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.8 56.4
 148 63.7 31.9 95.7



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

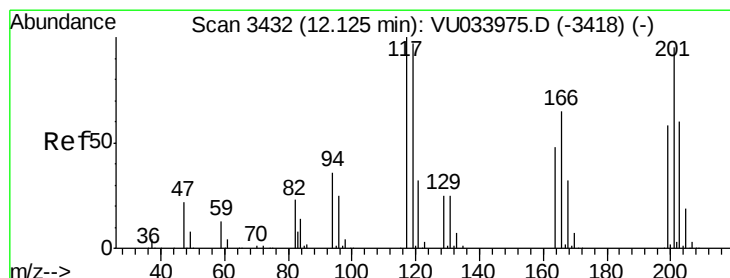
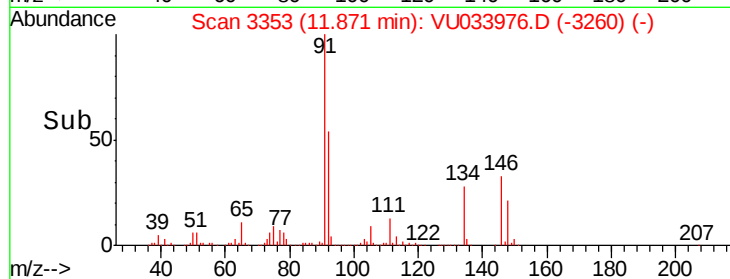
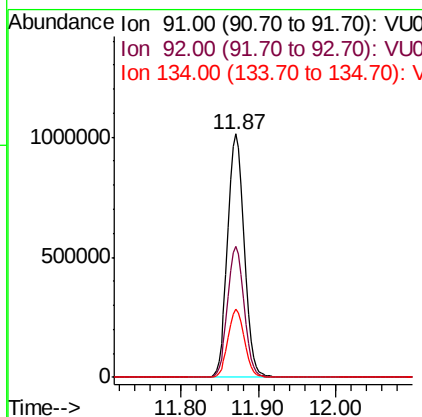
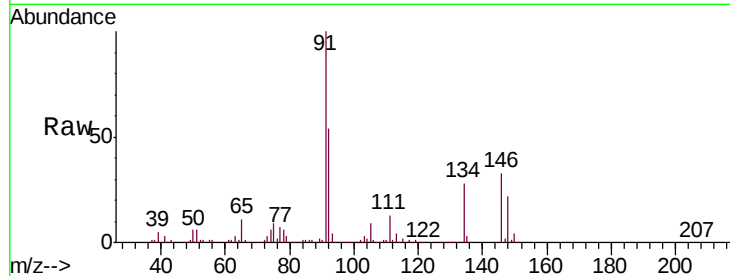




#89
n-Butylbenzene
Concen: 107.300 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

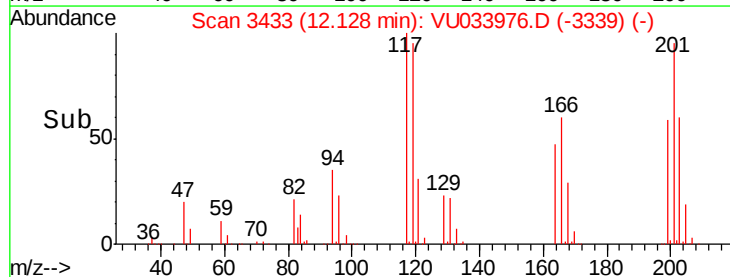
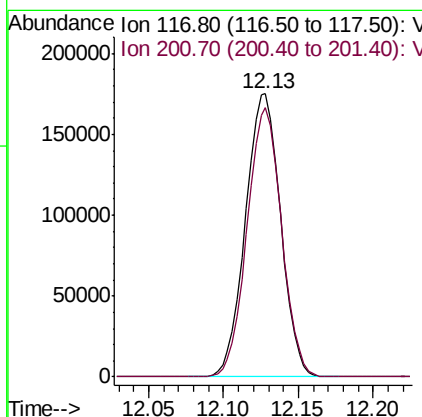
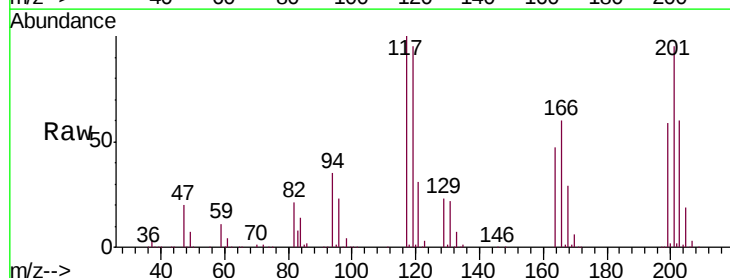
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

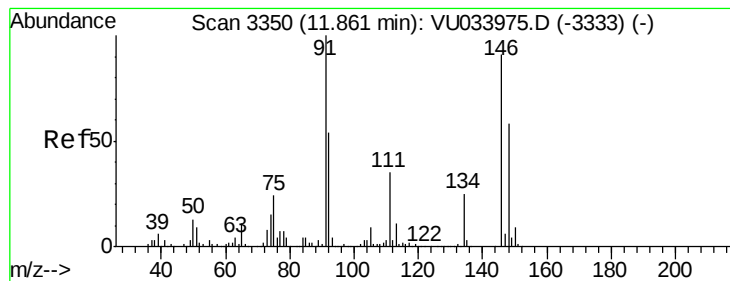
Tgt Ion: 91 Resp: 1507421
Ion Ratio Lower Upper
91 100
92 53.5 26.7 80.0
134 27.8 13.6 40.8



#90
Hexachloroethane
Concen: 94.665 ug/l
RT: 12.13 min Scan# 3433
Delta R.T. 0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

Tgt Ion: 117 Resp: 286784
Ion Ratio Lower Upper
117 100
201 93.1 47.5 142.5





#91

1,2-Dichlorobenzene

Concen: 103.007 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

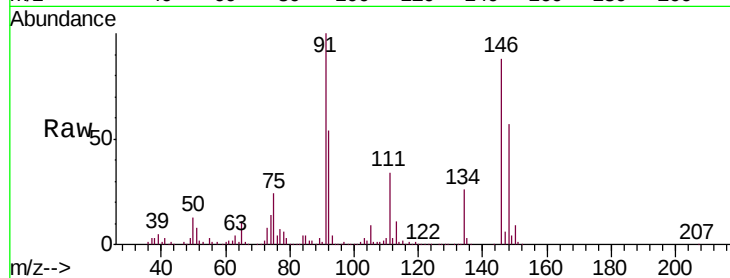
Tgt Ion:146 Resp: 867802

Ion Ratio Lower Upper

146 100

111 39.2 19.8 59.3

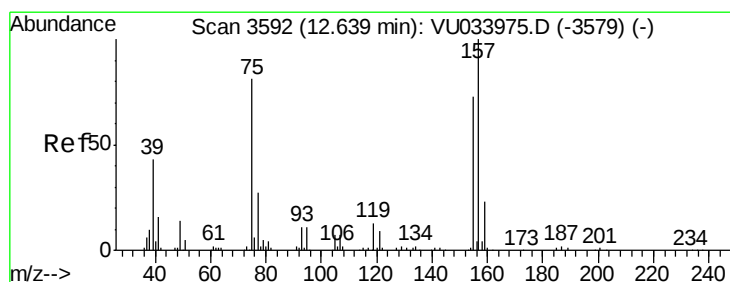
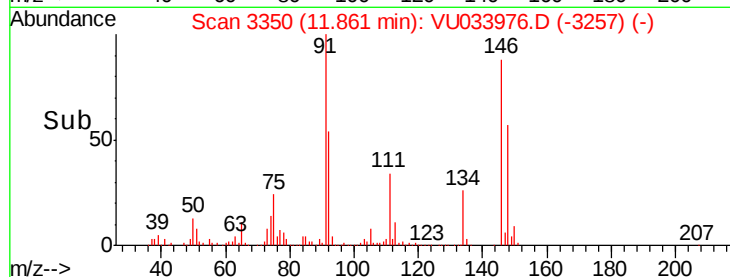
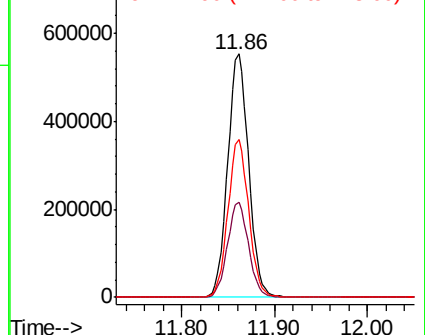
148 64.4 32.0 96.2



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: 92.962 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU033976.D

Acq: 27 Aug 2019 16:18

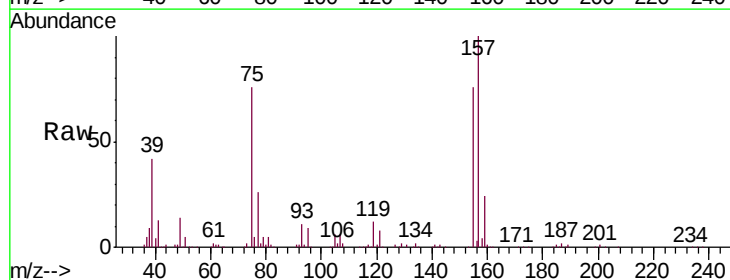
Tgt Ion: 75 Resp: 138171

Ion Ratio Lower Upper

75 100

155 97.3 46.9 140.6

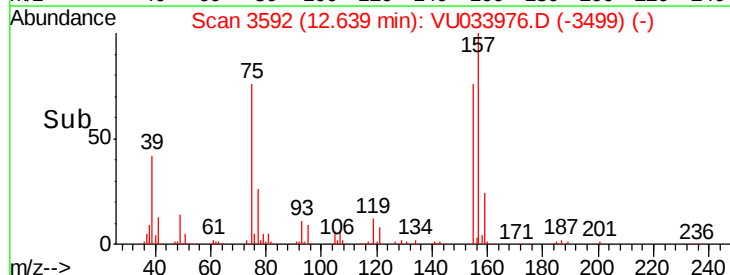
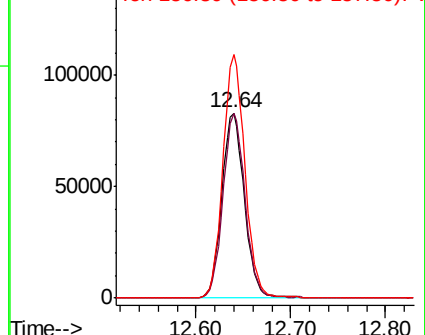
157 128.0 61.2 183.6

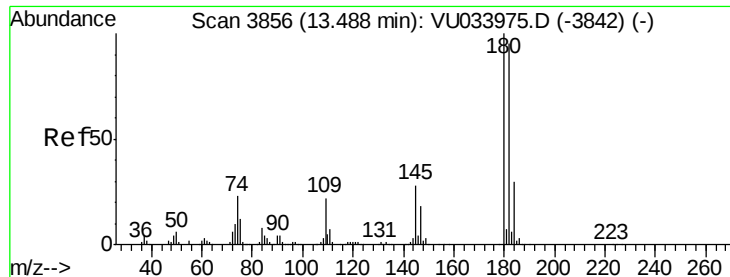


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

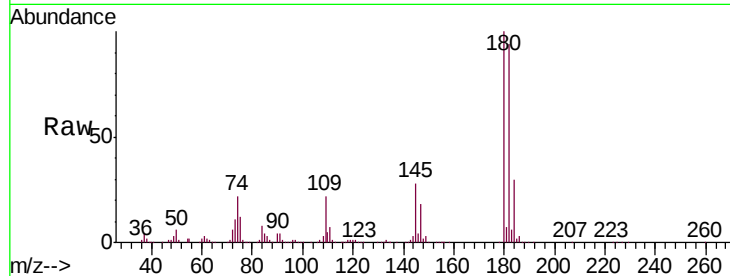




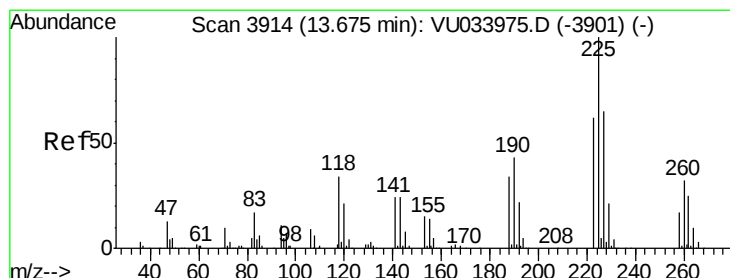
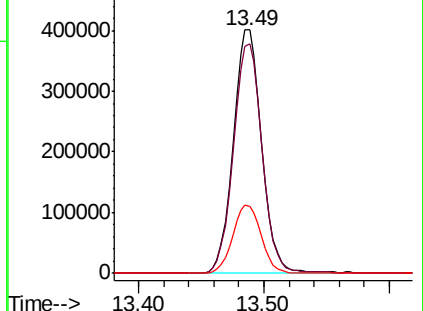
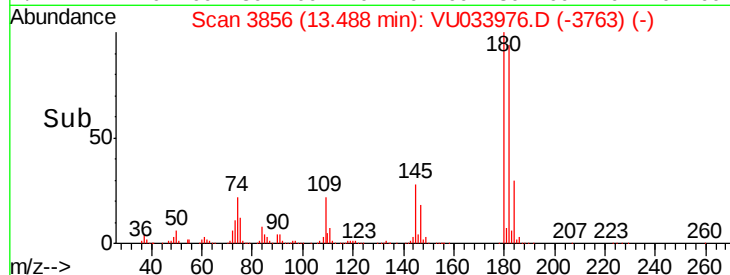
#93
 1,2,4-Trichlorobenzene
 Concen: 123.224 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 626725
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.4 142.2
 145 28.5 14.4 43.2

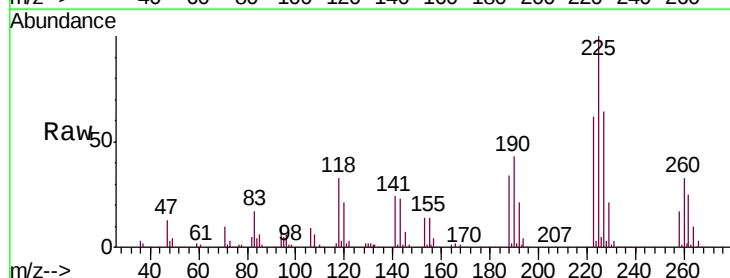


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

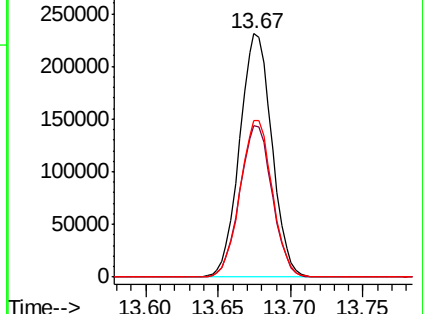
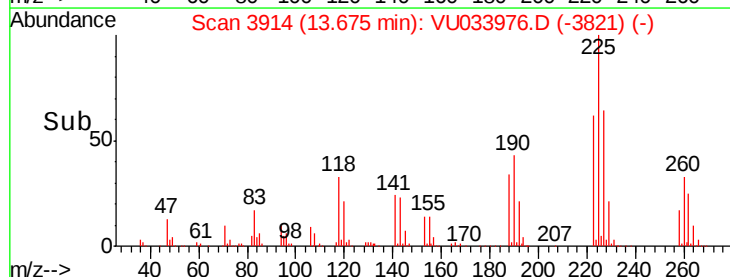


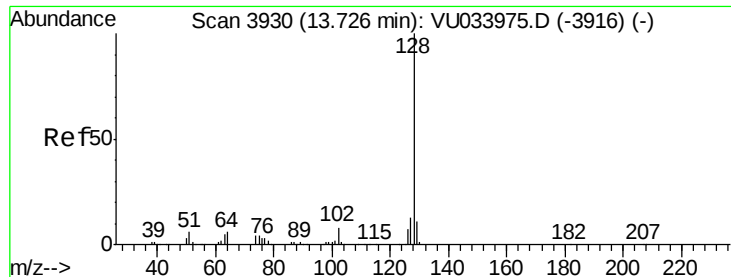
#94
 Hexachlorobutadiene
 Concen: 111.417 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU033976.D
 Acq: 27 Aug 2019 16:18

Tgt Ion:225 Resp: 356908
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.7 95.1
 227 64.4 33.0 99.0



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

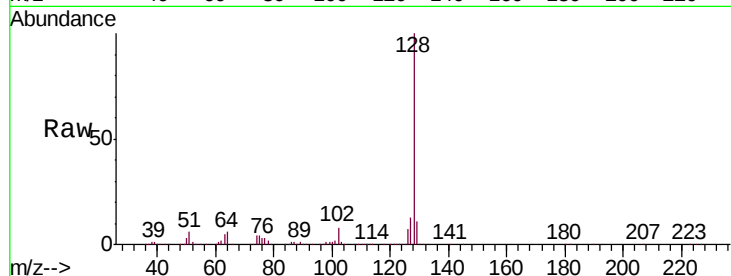




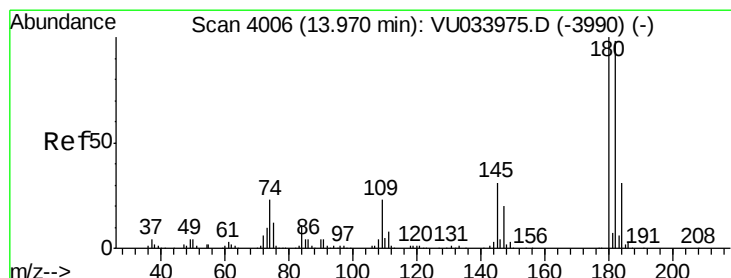
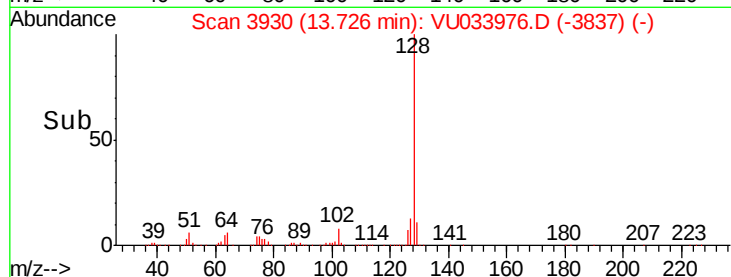
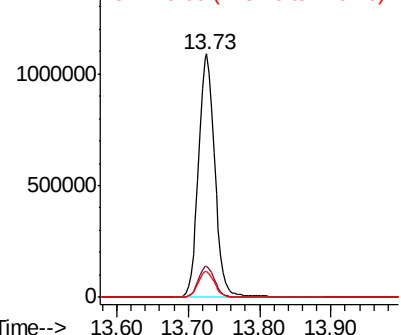
#95
Naphthalene
Concen: 124.277 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 1729305
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.7 8.5 12.7

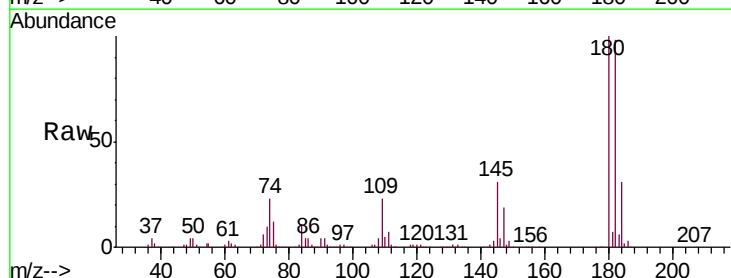


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 119.585 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU033976.D
Acq: 27 Aug 2019 16:18

Tgt Ion:180 Resp: 611366
Ion Ratio Lower Upper
180 100
182 96.5 48.4 145.3
145 30.7 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

