

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU110218\
 Data File : VU027905.D
 Acq On : 01 Nov 2018 19:12
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 02 01:51:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 01:48:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	165686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	290366	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	264869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	126098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	47824	17.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.90%	
35) Dibromofluoromethane	4.88	113	34852	17.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.32%	
50) Toluene-d8	7.57	98	133329	18.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.20%	
62) 4-Bromofluorobenzene	10.31	95	48047	17.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	45464	19.450	ug/l	98
3) Chloromethane	1.33	50	49753	15.943	ug/l	99
4) Vinyl Chloride	1.40	62	49592	16.784	ug/l	99
5) Bromomethane	1.62	94	20341	15.978	ug/l	96
6) Chloroethane	1.70	64	28502	15.998	ug/l	100
7) Trichlorofluoromethane	1.89	101	59304	19.312	ug/l	97
8) Diethyl Ether	2.11	74	24484	17.543	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	35005	19.569	ug/l	99
10) Methyl Iodide	2.41	142	19524	14.831	ug/l	99
11) Tert butyl alcohol	2.83	59	64290	106.559	ug/l	100
12) 1,1-Dichloroethene	2.29	96	33806	19.338	ug/l	98
13) Acrolein	2.20	56	23149	52.647	ug/l	94
14) Allyl chloride	2.59	41	78975	19.037	ug/l	99
15) Acrylonitrile	2.94	53	157589	102.147	ug/l	97
16) Acetone	2.32	43	143236	88.815	ug/l	98
17) Carbon Disulfide	2.48	76	108720	17.403	ug/l	99
18) Methyl Acetate	2.62	43	78484	20.542	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	139190	19.794	ug/l	99
20) Methylene Chloride	2.70	84	43209	18.921	ug/l	93
21) trans-1,2-Dichloroethene	2.98	96	38694	19.561	ug/l	97
22) Diisopropyl ether	3.58	45	174435	20.489	ug/l	96
23) Vinyl Acetate	3.53	43	754881	101.588	ug/l	100
24) 1,1-Dichloroethane	3.45	63	85964	19.795	ug/l	100
25) 2-Butanone	4.27	43	239867	105.601	ug/l	99
26) 2,2-Dichloropropane	4.23	77	61792	17.577	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	44498	19.603	ug/l	98
28) Bromochloromethane	4.55	49	43679	21.184	ug/l	99
29) Tetrahydrofuran	4.64	42	160188	110.984	ug/l	99
30) Chloroform	4.67	83	79184	20.434	ug/l	100
31) Cyclohexane	5.00	56	87309	17.232	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	64376	19.802	ug/l	99
36) 1,1-Dichloropropene	5.14	75	57834	18.460	ug/l	99
37) Ethyl Acetate	4.39	43	87826	21.148	ug/l	99
38) Carbon Tetrachloride	5.14	117	51256	18.123	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	72148	19.646	ug/l	98
40) Benzene	5.39	78	183415	19.827	ug/l	99
41) Methacrylonitrile	4.54	41	46751	19.968	ug/l	96
42) 1,2-Dichloroethane	5.41	62	64943	19.138	ug/l	99
43) Isopropyl Acetate	5.55	43	136377	21.209	ug/l	100
44) Trichloroethene	6.19	130	38521	18.835	ug/l	100
45) 1,2-Dichloropropane	6.44	63	52454	19.737	ug/l	98
46) Dibromomethane	6.56	93	30043	20.005	ug/l	98
47) Bromodichloromethane	6.76	83	57558	18.619	ug/l	99
48) Methyl methacrylate	6.62	41	66860	20.890	ug/l	100
49) 1,4-Dioxane	6.62	88	23624	432.850	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	451331	107.360	ug/l	100
52) Toluene	7.64	92	106035	19.471	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	63734	17.614	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	71648	18.404	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	43232	20.021	ug/l	95
56) Ethyl methacrylate	8.02	69	75662	20.870	ug/l	98
57) 1,3-Dichloropropane	8.24	76	79033	18.923	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	213234	107.431	ug/l	99
59) 2-Hexanone	8.36	43	350860	107.365	ug/l	99
60) Dibromochloromethane	8.48	129	41041	18.918	ug/l	97
61) 1,2-Dibromoethane	8.59	107	46317	19.972	ug/l	98
64) Tetrachloroethene	8.23	164	33307	20.203	ug/l	95
65) Chlorobenzene	9.12	112	109296	19.549	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	37109	19.266	ug/l	99
67) Ethyl Benzene	9.25	91	205090	20.668	ug/l	100
68) m/p-Xylenes	9.38	106	149322	41.268	ug/l	98
69) o-Xylene	9.78	106	73462	21.266	ug/l	100
70) Styrene	9.79	104	118202	20.827	ug/l	100
71) Bromoform	9.96	173	28289	18.067	ug/l #	100
73) Isopropylbenzene	10.17	105	193146	21.065	ug/l	100
74) N-amyl acetate	10.02	43	116456	21.749	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	78211	21.398	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	89212	27.287	ug/l	82
77) Bromobenzene	10.45	156	44505	20.678	ug/l	98
78) n-propylbenzene	10.59	91	233224	21.146	ug/l	100
79) 2-Chlorotoluene	10.66	91	138386	20.779	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	164011	21.832	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	89212	70.510	ug/l #	100
82) 4-Chlorotoluene	10.77	91	157156	20.855	ug/l	100
83) tert-Butylbenzene	11.10	119	155148	21.367	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	162136	21.207	ug/l	97
85) sec-Butylbenzene	11.32	105	196010	21.450	ug/l	100
86) p-Isopropyltoluene	11.48	119	162163	20.834	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	80263	19.836	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	81240	19.662	ug/l	100
89) n-Butylbenzene	11.89	91	152823	20.915	ug/l	99
90) Hexachloroethane	12.15	117	27919	19.080	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	83343	21.048	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16519	20.568	ug/l	96

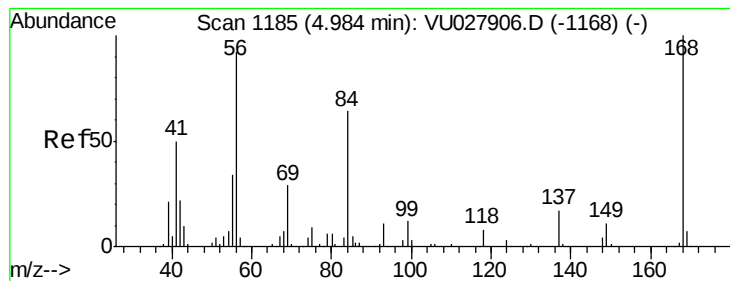
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	52665	20.530	ug/l	99
94) Hexachlorobutadiene	13.69	225	26098	20.255	ug/l	98
95) Naphthalene	13.74	128	192954	22.070	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	56659	21.113	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

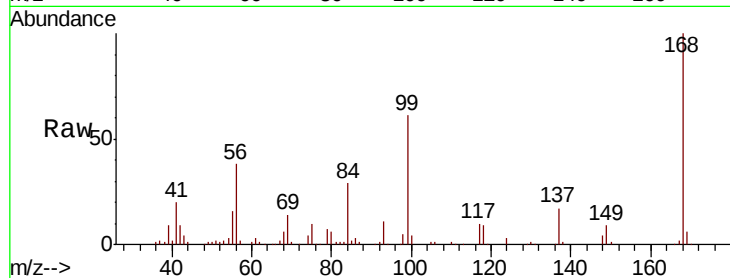
VSTDIC020

Tgt Ion:168 Resp: 165686

Ion Ratio Lower Upper

168 100

99 60.8 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027905.D (-1092) (-)

4.99

80000

60000

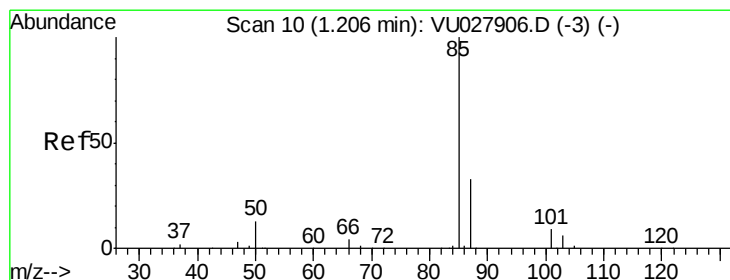
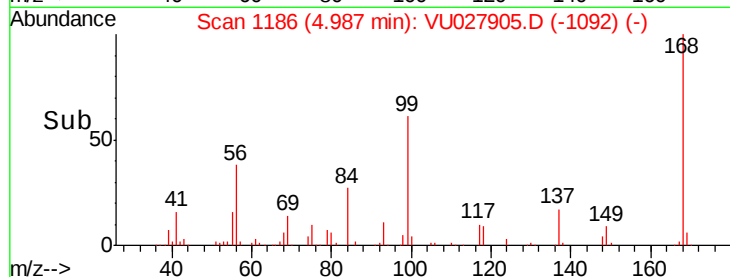
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.450 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027905.D

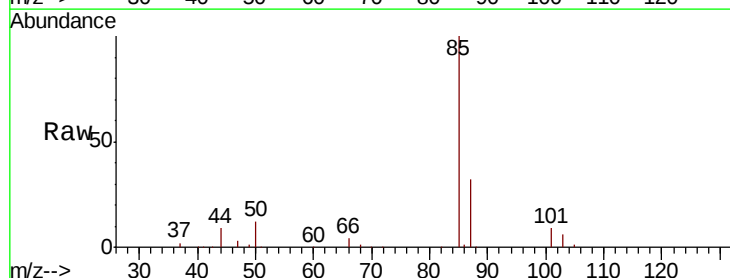
Acq: 01 Nov 2018 19:12

Tgt Ion: 85 Resp: 45464

Ion Ratio Lower Upper

85 100

87 31.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027905.D (-1) (-)

1.21

50000

40000

30000

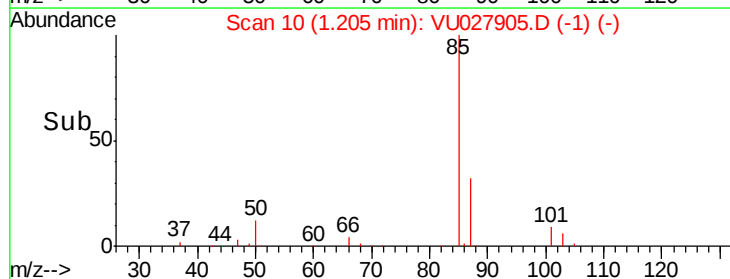
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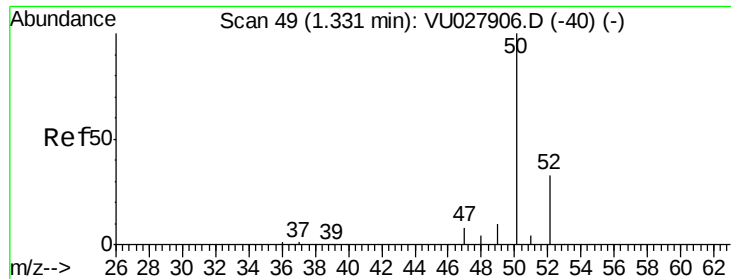
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 15.943 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

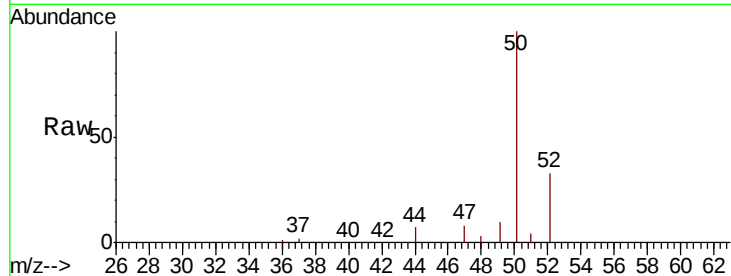
VSTDIC020

Tgt Ion: 50 Resp: 49753

Ion Ratio Lower Upper

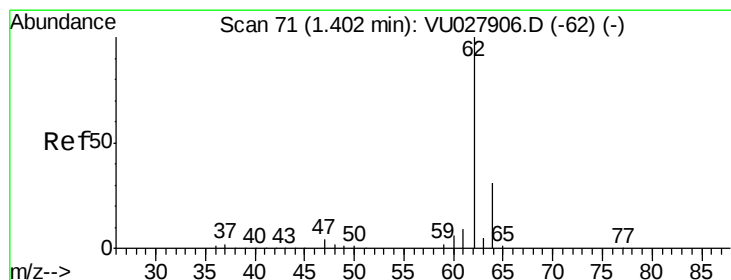
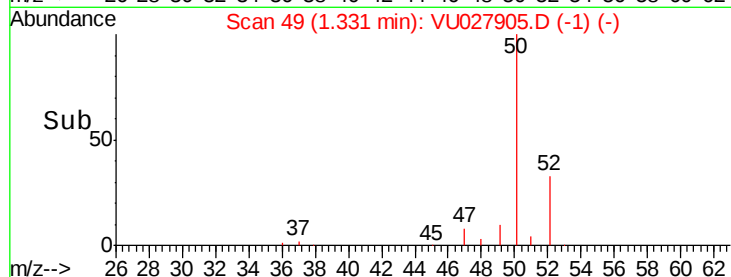
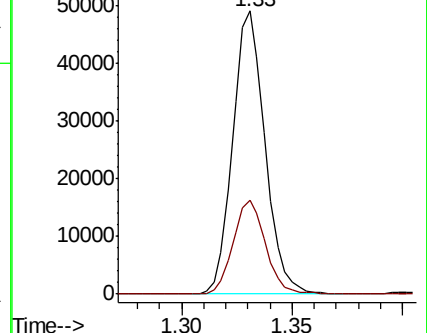
50 100

52 33.2 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU027906.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027906.D (-40) (-)



#4

Vinyl Chloride

Concen: 16.784 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027905.D

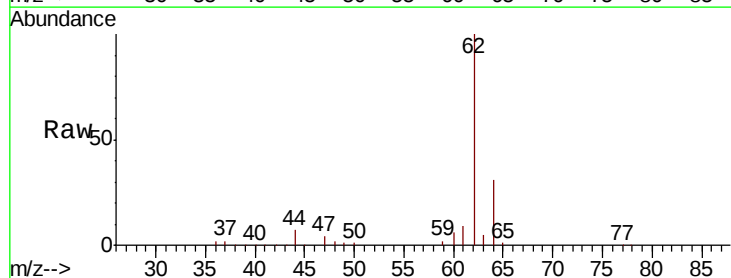
Acq: 01 Nov 2018 19:12

Tgt Ion: 62 Resp: 49592

Ion Ratio Lower Upper

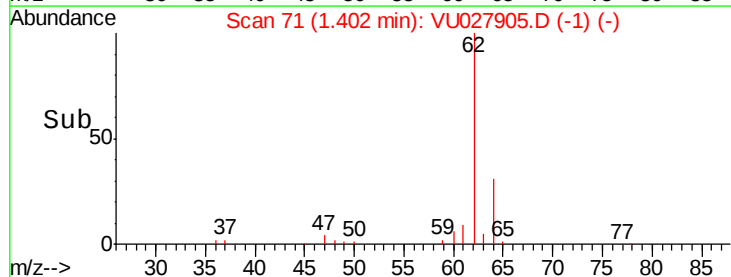
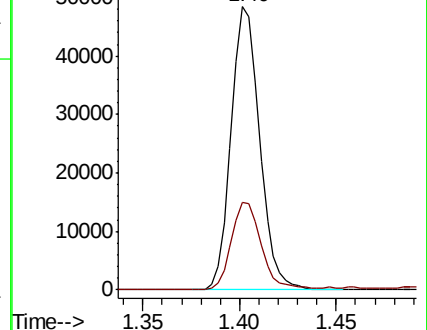
62 100

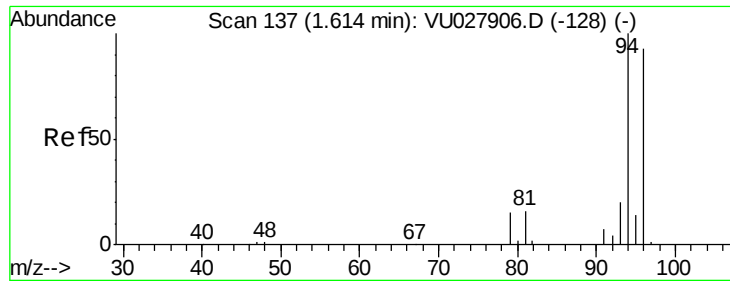
64 30.8 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU027906.D (-62) (-)





#5

Bromomethane

Concen: 15.978 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

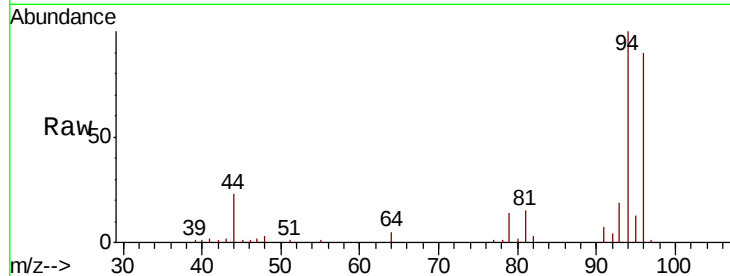
VSTDIC020

Tgt Ion: 94 Resp: 20341

Ion Ratio Lower Upper

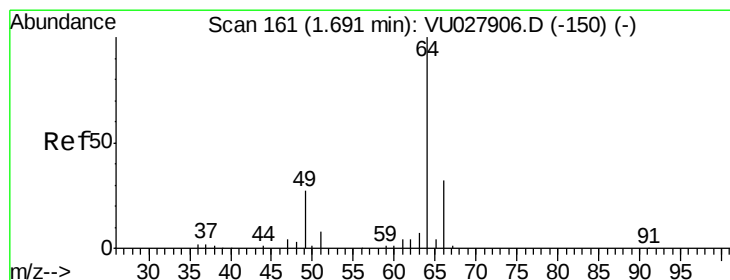
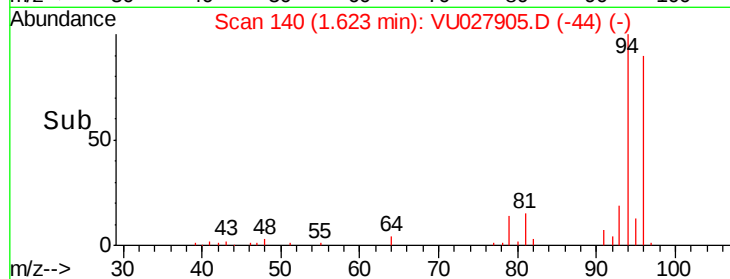
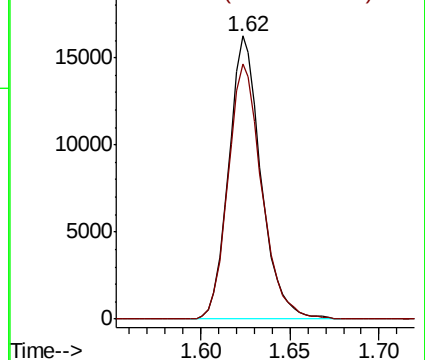
94 100

96 90.1 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 15.998 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU027905.D

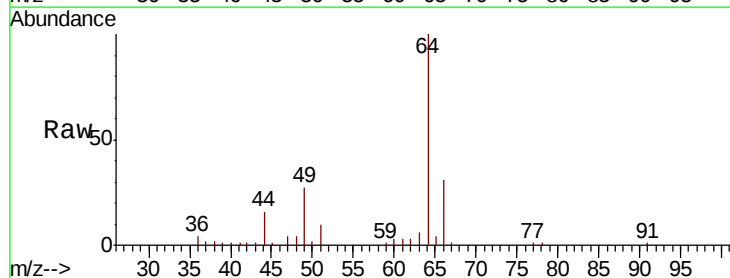
Acq: 01 Nov 2018 19:12

Tgt Ion: 64 Resp: 28502

Ion Ratio Lower Upper

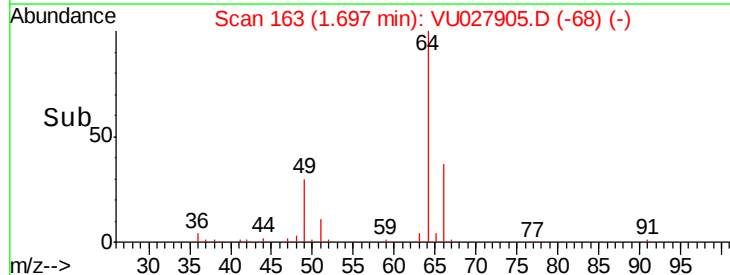
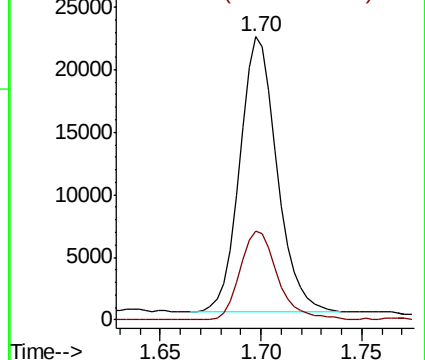
64 100

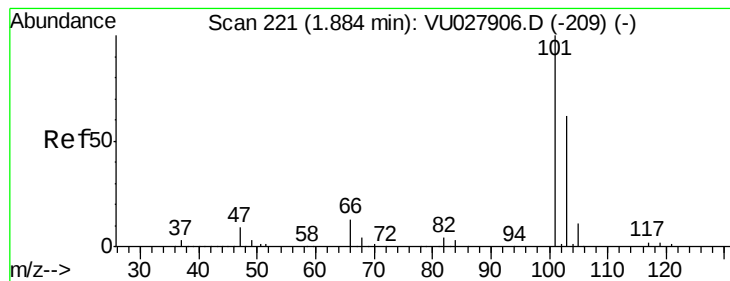
66 32.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



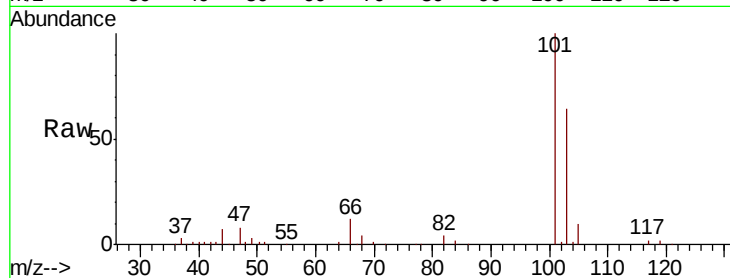


#7

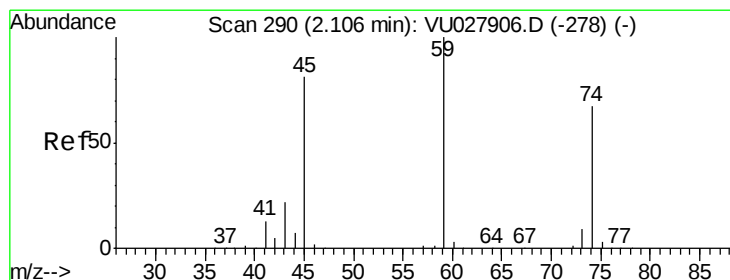
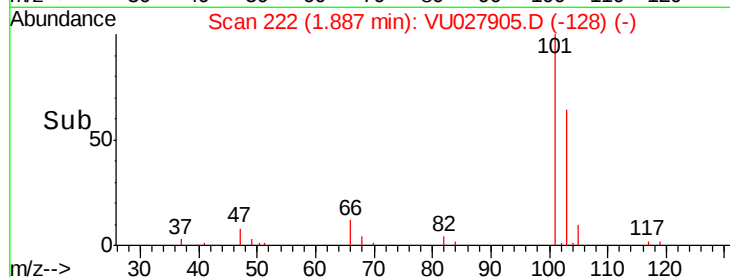
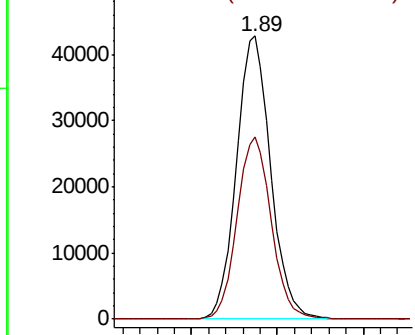
Trichlorofluoromethane
Concen: 19.312 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 101 Resp: 59304
Ion Ratio Lower Upper
101 100
103 64.2 49.4 74.2



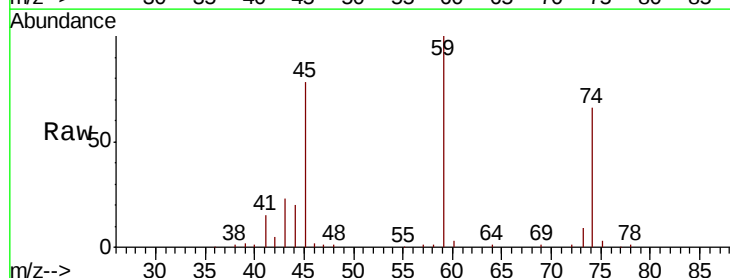
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



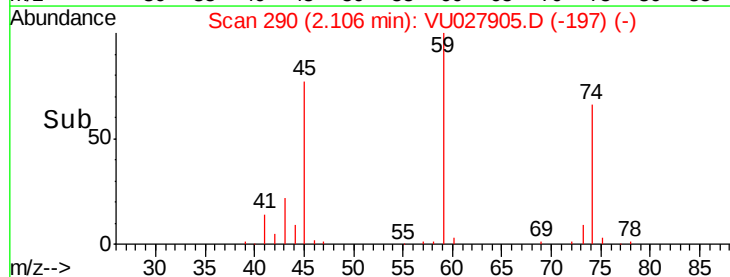
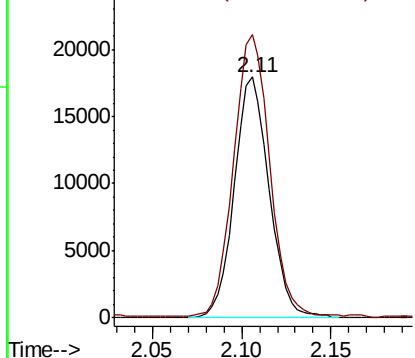
#8

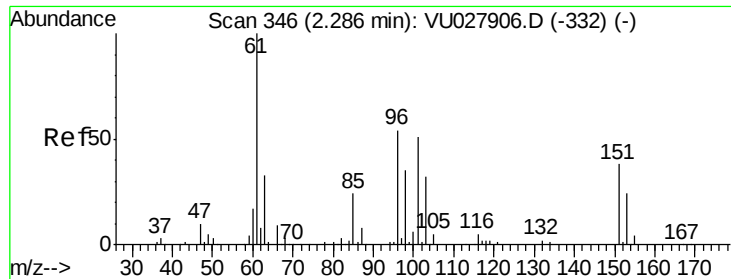
Diethyl Ether
Concen: 17.543 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion: 74 Resp: 24484
Ion Ratio Lower Upper
74 100
45 120.5 60.5 181.5



Abundance Ion 74.00 (73.70 to 74.70): VU0
Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.569 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

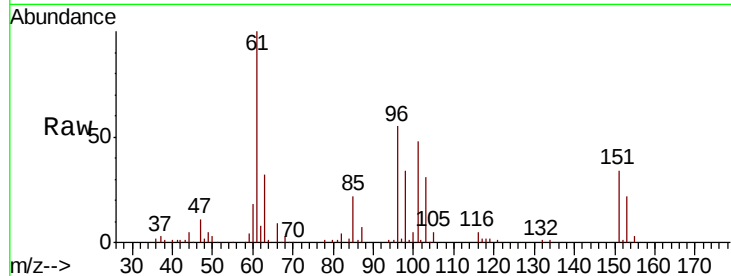
Tgt Ion:101 Resp: 35005

Ion Ratio Lower Upper

101 100

85 45.6 36.9 55.3

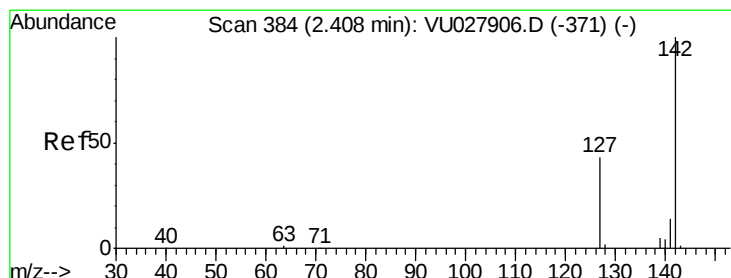
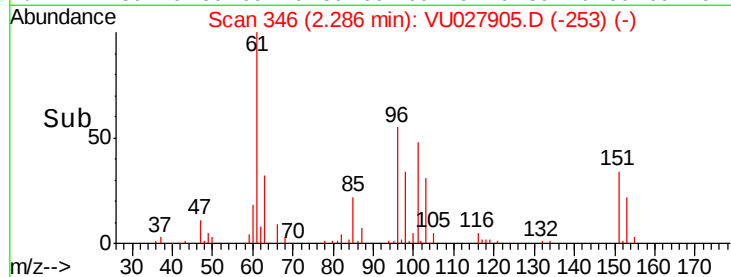
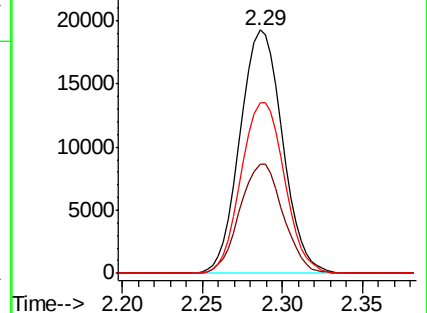
151 71.5 58.0 87.0



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: 14.831 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

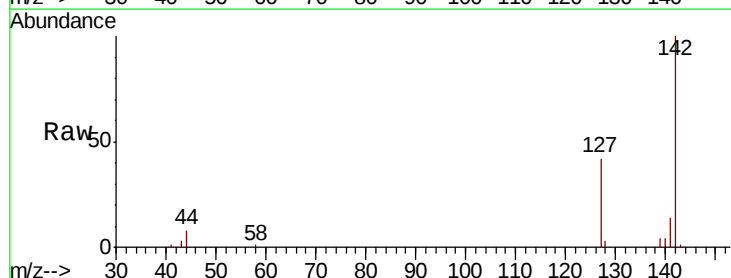
Tgt Ion:142 Resp: 19524

Ion Ratio Lower Upper

142 100

127 44.2 35.2 52.8

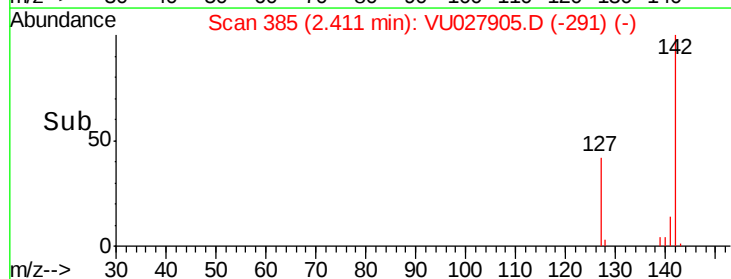
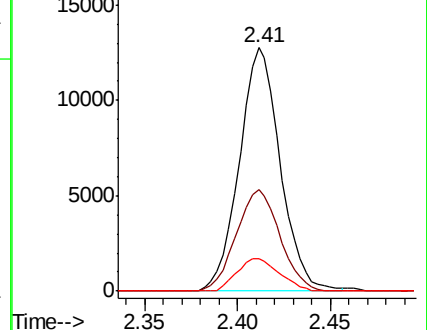
141 13.7 11.8 17.8

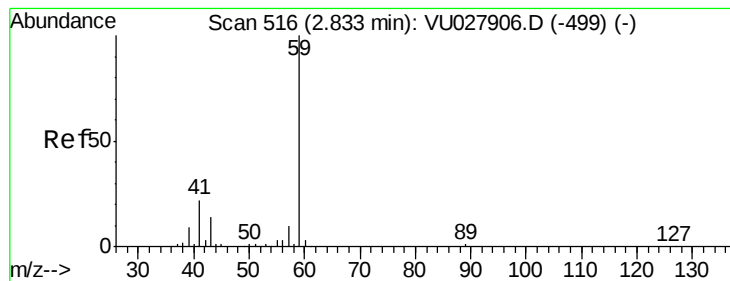


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



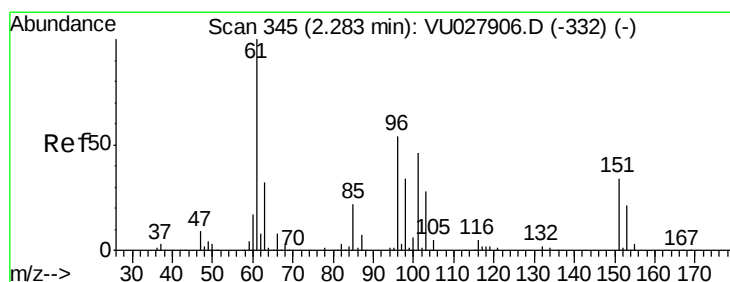
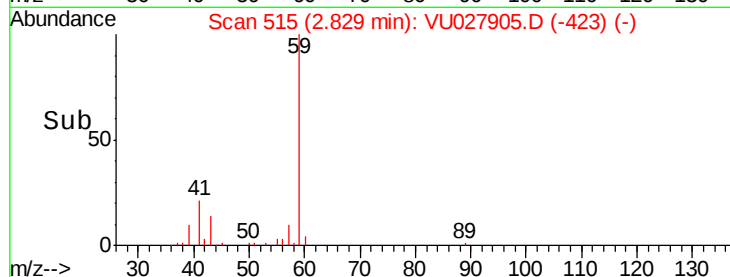
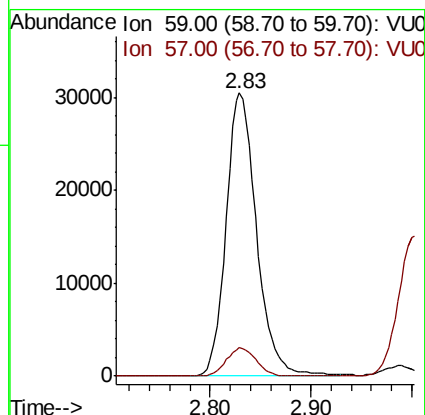
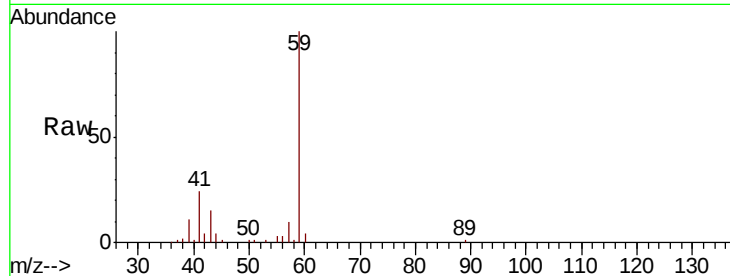


#11

Tert butyl alcohol
 Concen: 106.559 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

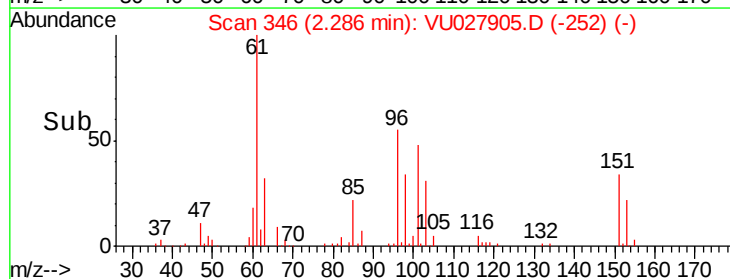
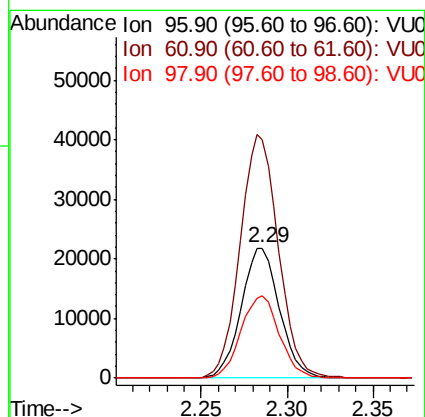
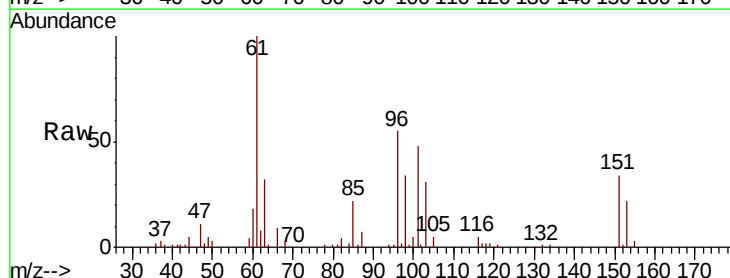
Tgt Ion: 59 Resp: 64290
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.8 11.8



#12

1,1-Dichloroethene
 Concen: 19.338 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion: 96 Resp: 33806
 Ion Ratio Lower Upper
 96 100
 61 183.2 149.3 223.9
 98 63.2 50.6 75.8





#13

Acrolein

Concen: 52.647 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

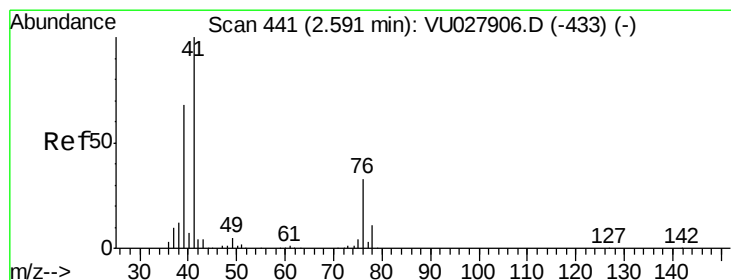
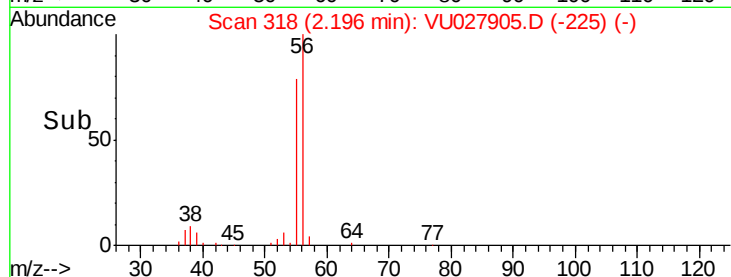
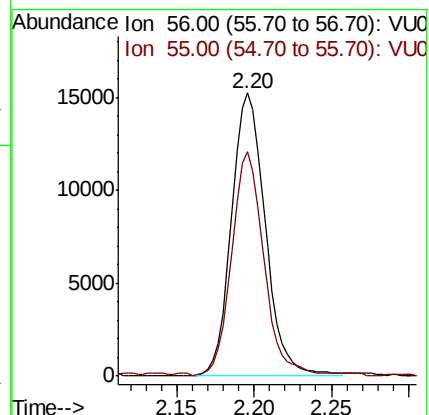
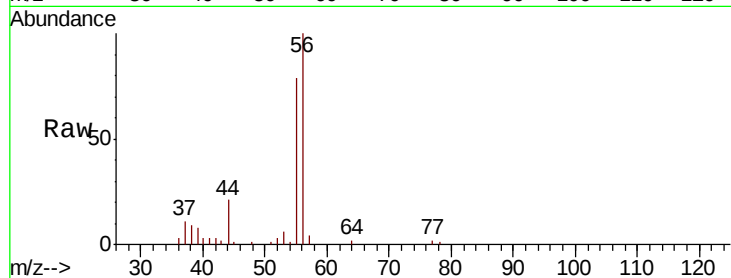
VSTDIC020

Tgt Ion: 56 Resp: 23149

Ion Ratio Lower Upper

56 100

55 75.3 56.2 84.4



#14

Allyl chloride

Concen: 19.037 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

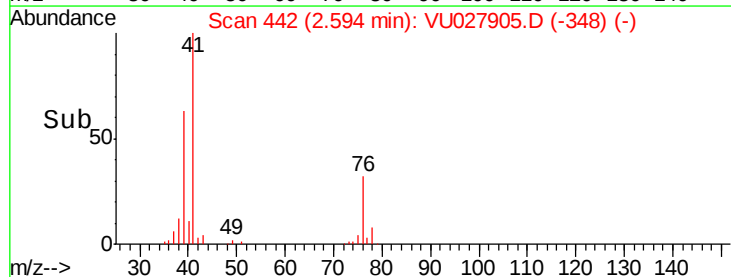
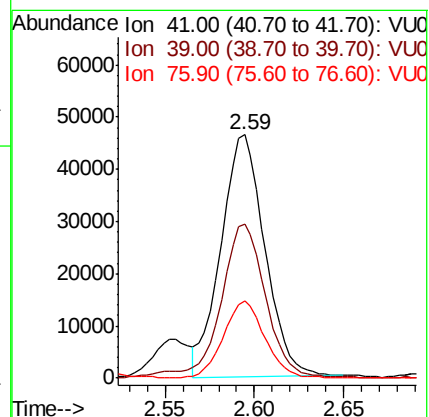
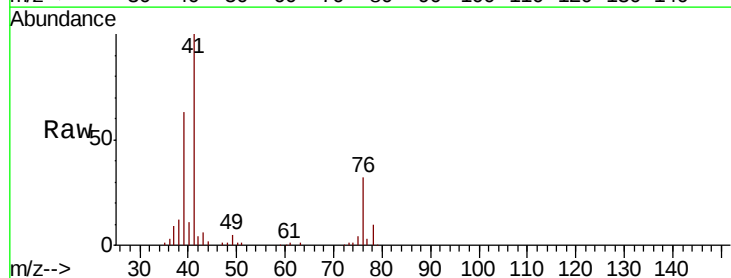
Tgt Ion: 41 Resp: 78975

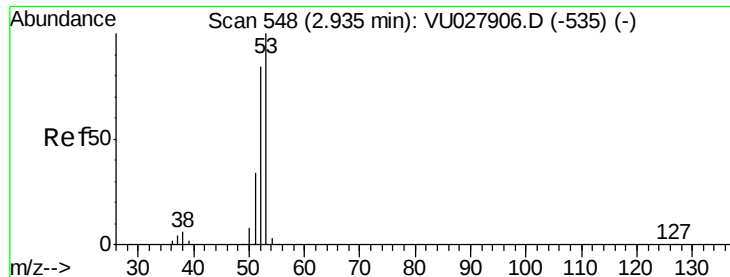
Ion Ratio Lower Upper

41 100

39 65.8 51.9 77.9

76 30.3 23.8 35.6





#15

Acrylonitrile

Concen: 102.147 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

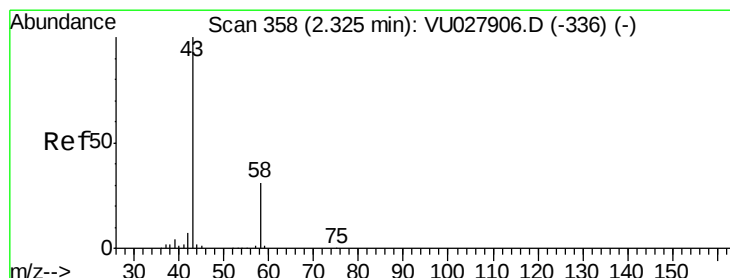
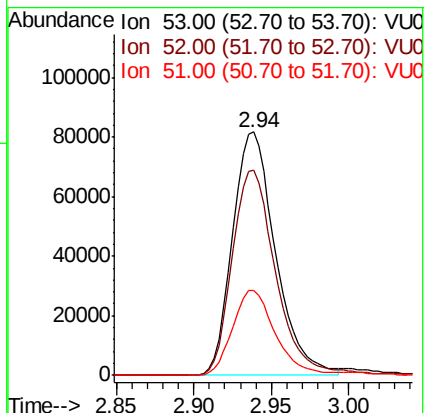
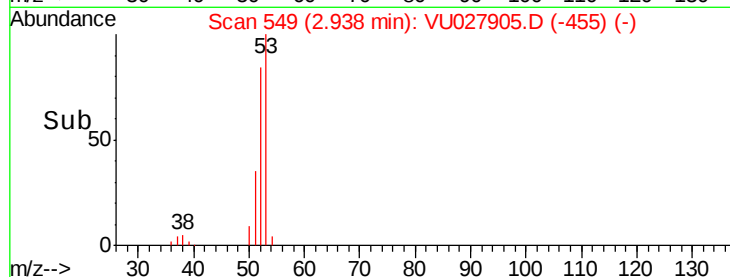
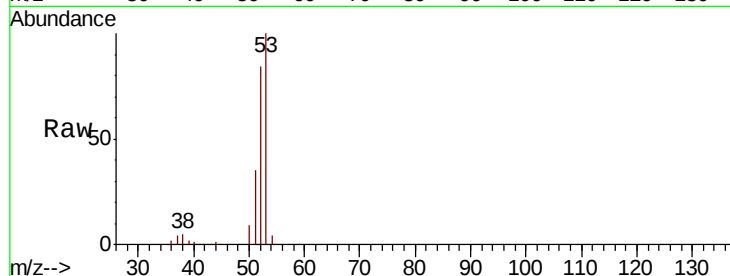
Tgt Ion: 53 Resp: 157589

Ion Ratio Lower Upper

53 100

52 86.2 66.2 99.2

51 34.4 27.0 40.4



#16

Acetone

Concen: 88.815 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027905.D

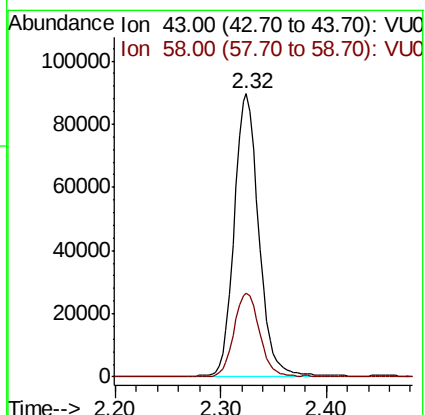
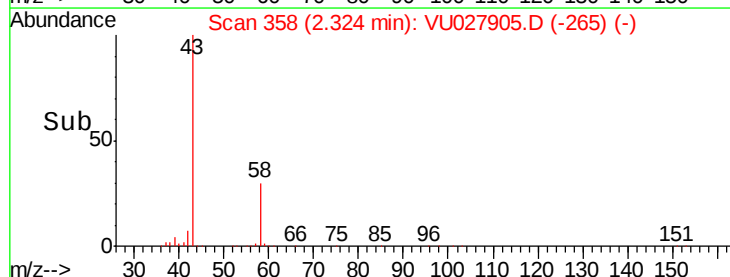
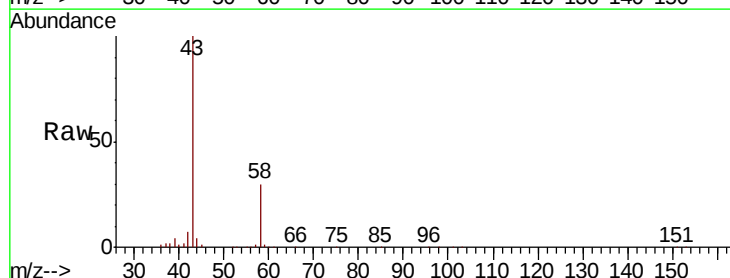
Acq: 01 Nov 2018 19:12

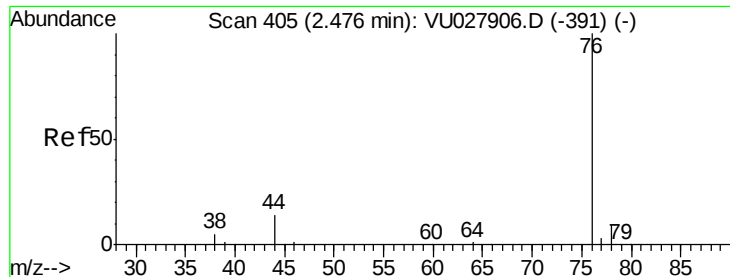
Tgt Ion: 43 Resp: 143236

Ion Ratio Lower Upper

43 100

58 29.7 24.6 37.0





#17

Carbon Disulfide

Concen: 17.403 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

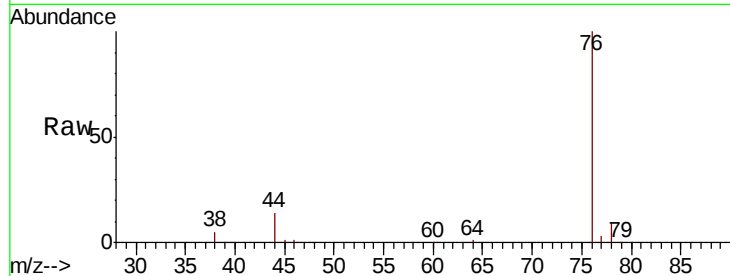
VSTDIC020

Tgt Ion: 76 Resp: 108720

Ion Ratio Lower Upper

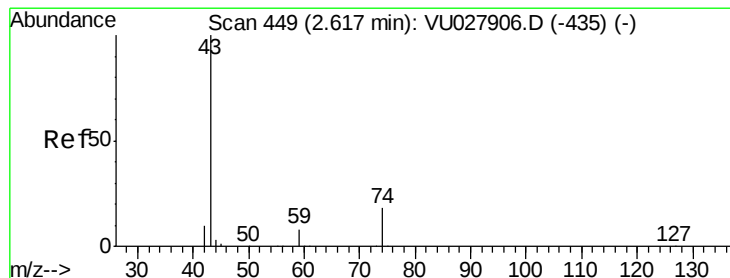
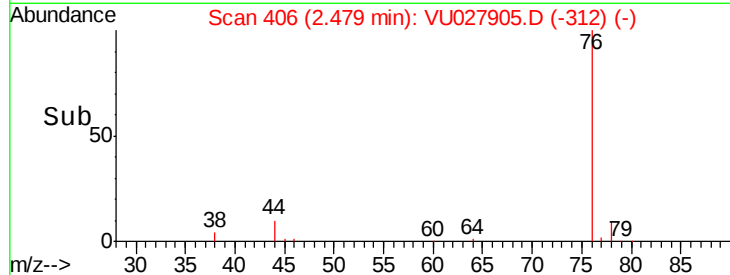
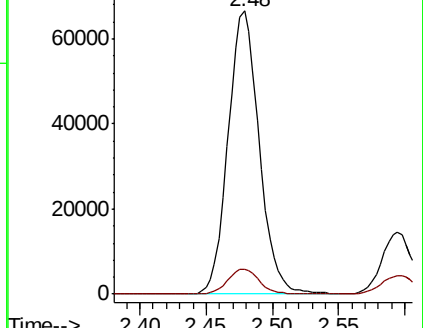
76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VU027906.D (-391) (-)

Ion 77.90 (77.60 to 78.60): VU027905.D (-312) (-)



#18

Methyl Acetate

Concen: 20.542 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU027905.D

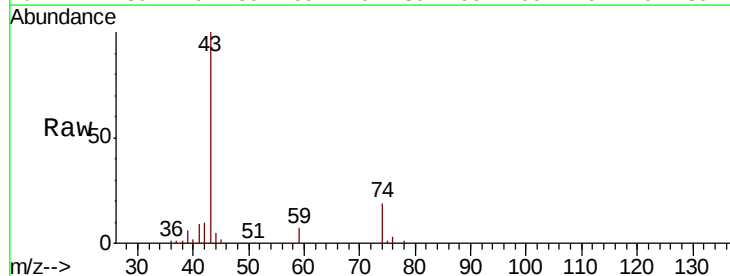
Acq: 01 Nov 2018 19:12

Tgt Ion: 43 Resp: 78484

Ion Ratio Lower Upper

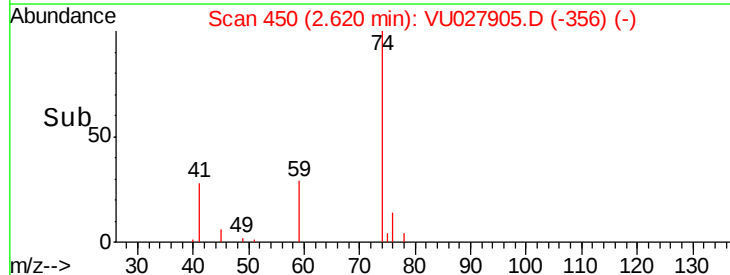
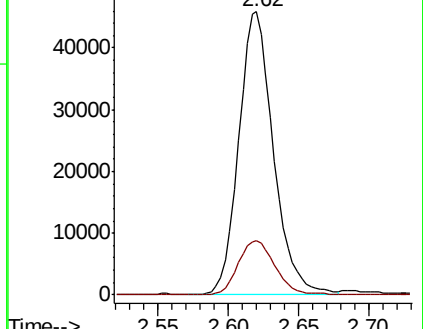
43 100

74 20.6 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU027905.D (-356) (-)

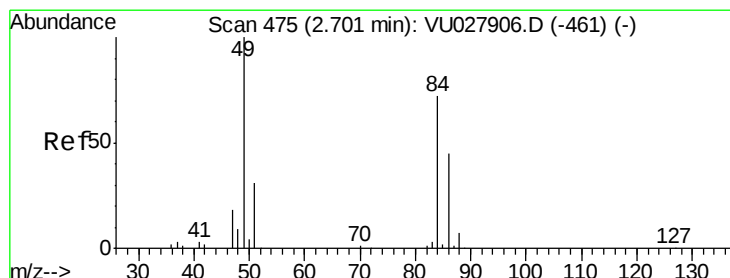
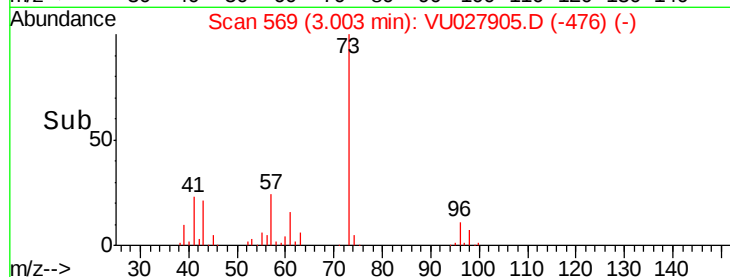
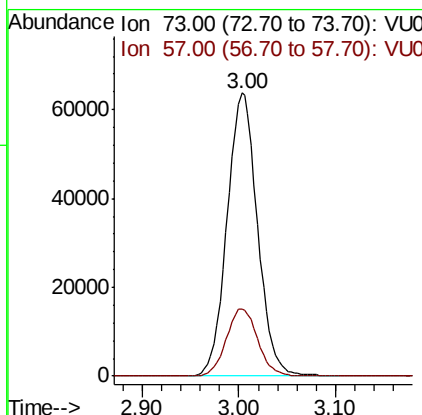
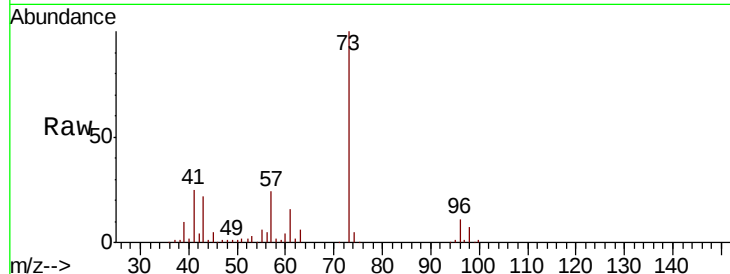




#19
Methyl tert-butyl Ether
Concen: 19.794 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

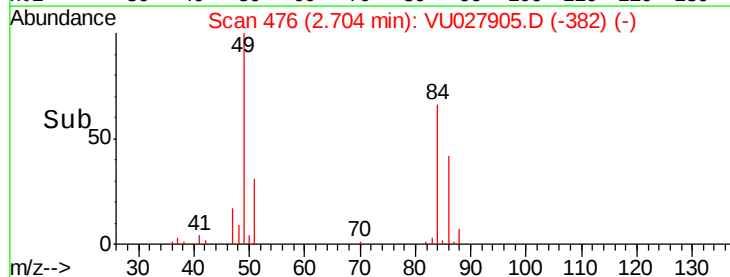
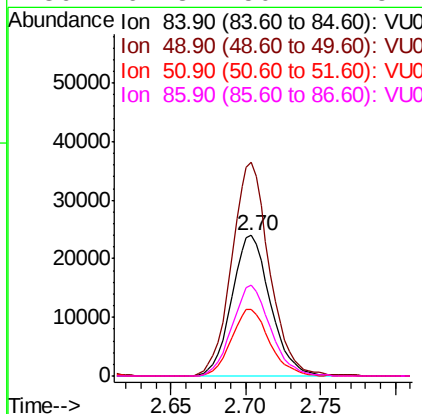
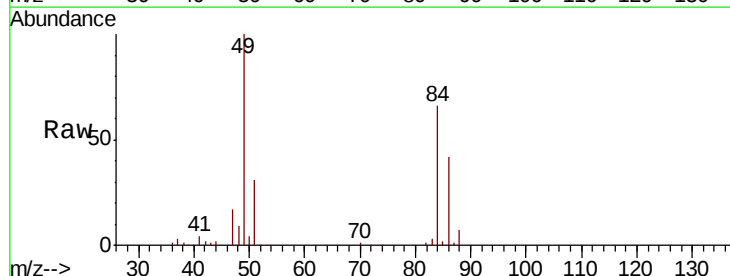
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

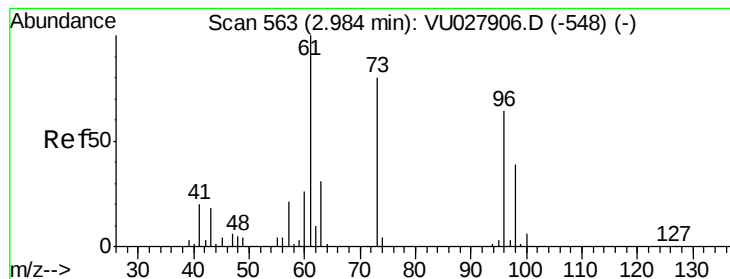
Tgt Ion: 73 Resp: 139190
Ion Ratio Lower Upper
73 100
57 23.6 19.3 28.9



#20
Methylene Chloride
Concen: 18.921 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion: 84 Resp: 43209
Ion Ratio Lower Upper
84 100
49 151.8 111.6 167.4
51 47.0 34.8 52.2
86 64.3 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 19.561 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

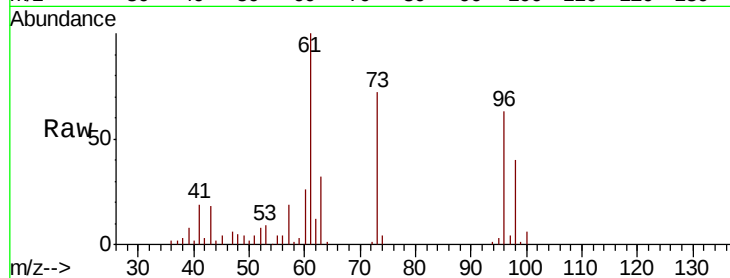
Tgt Ion: 96 Resp: 38694

Ion Ratio Lower Upper

96 100

61 159.9 125.0 187.6

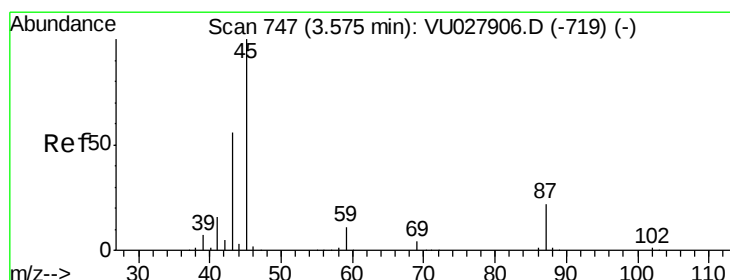
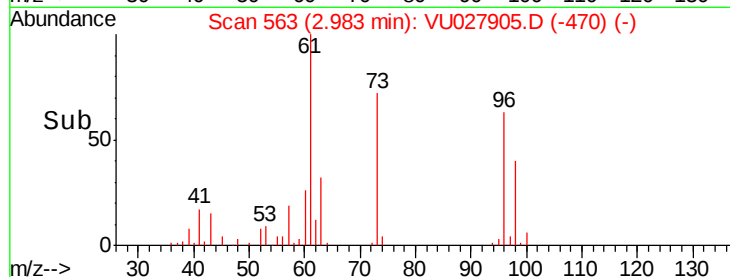
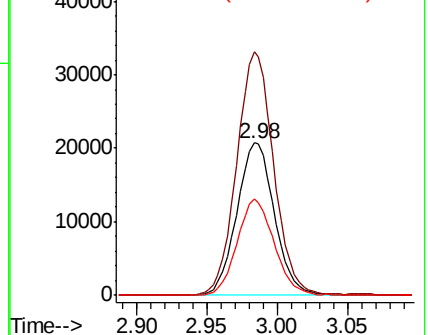
98 63.2 48.2 72.4



Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-548) (-)



#22

Diisopropyl ether

Concen: 20.489 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Tgt Ion: 45 Resp: 174435

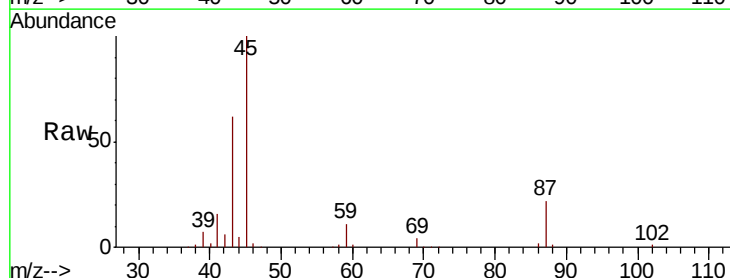
Ion Ratio Lower Upper

45 100

43 60.5 45.0 67.6

87 21.8 17.9 26.9

59 11.2 8.6 12.8

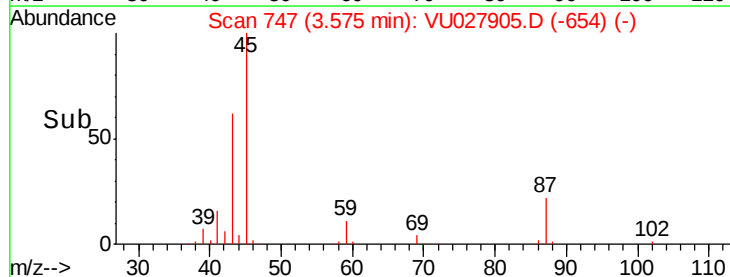
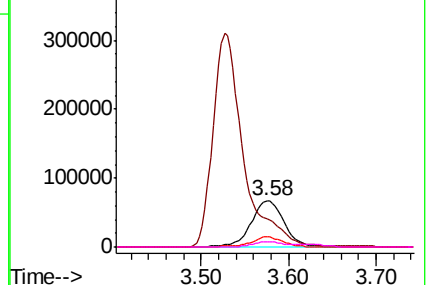


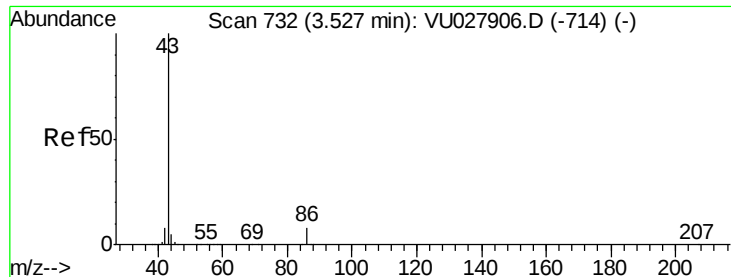
Abundance Ion 45.00 (44.70 to 45.70): VU027906.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU027906.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU027906.D (-719) (-)





#23

Vinyl Acetate

Concen: 101.588 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

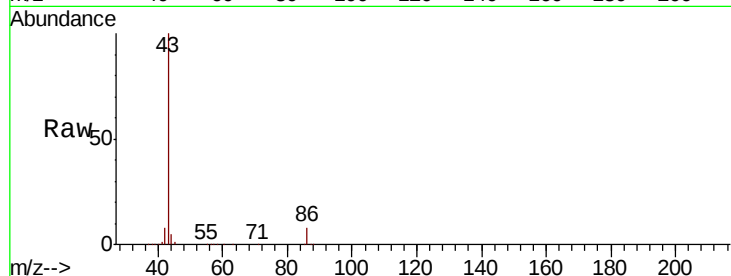
VSTDIC020

Tgt Ion: 43 Resp: 754881

Ion Ratio Lower Upper

43 100

86 8.2 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-714) (-)

Ion 86.00 (85.70 to 86.70): VU027906.D (-714) (-)

3.53

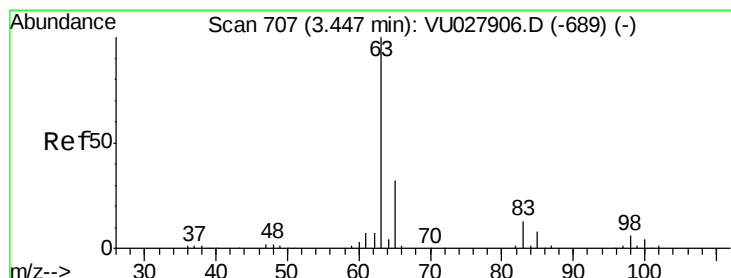
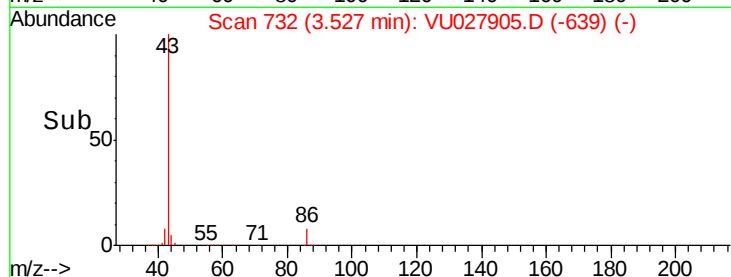
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.795 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

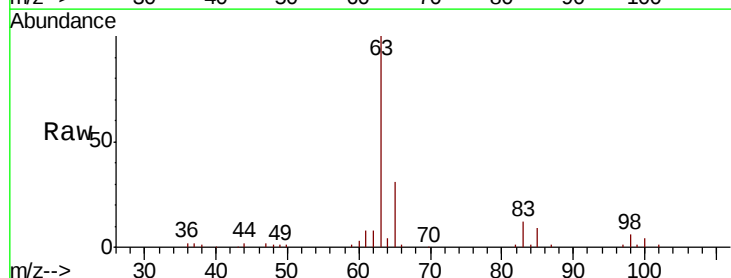
Tgt Ion: 63 Resp: 85964

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VU027906.D (-689) (-)

3.45

50000

40000

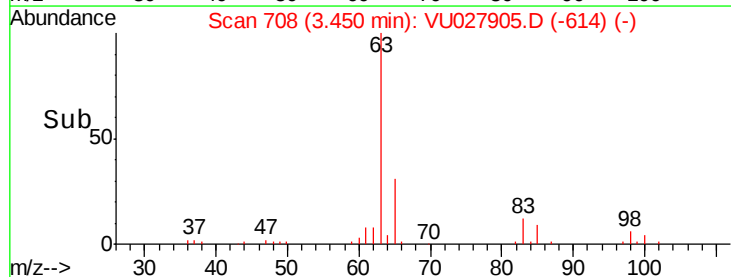
30000

20000

10000

0

Time-->





#25

2-Butanone

Concen: 105.601 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

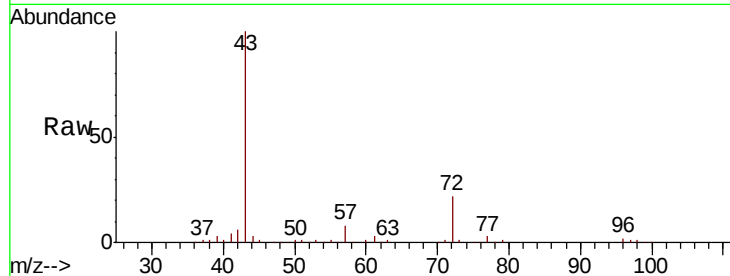
VSTDIC020

Tgt Ion: 43 Resp: 239867

Ion Ratio Lower Upper

43 100

72 21.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-934) (-)

Ion 72.00 (71.70 to 72.70): VU027906.D (-934) (-)

4.27

100000

80000

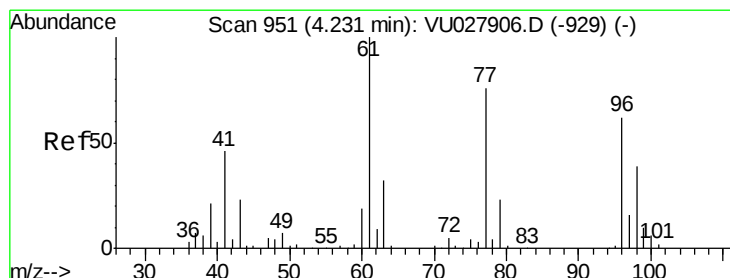
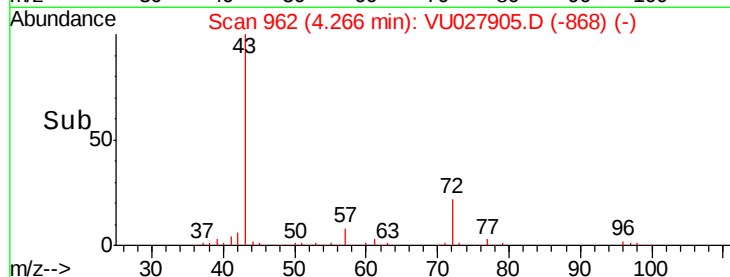
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 17.577 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027905.D

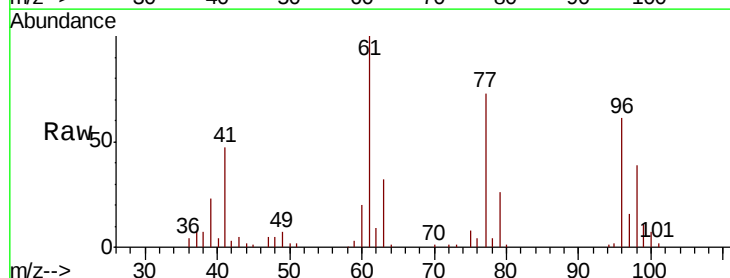
Acq: 01 Nov 2018 19:12

Tgt Ion: 77 Resp: 61792

Ion Ratio Lower Upper

77 100

97 21.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU027906.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU027906.D (-929) (-)

4.23

25000

20000

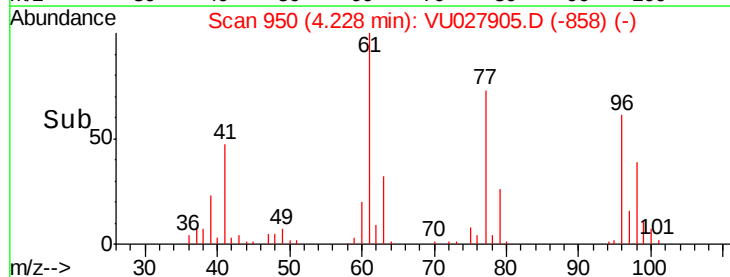
15000

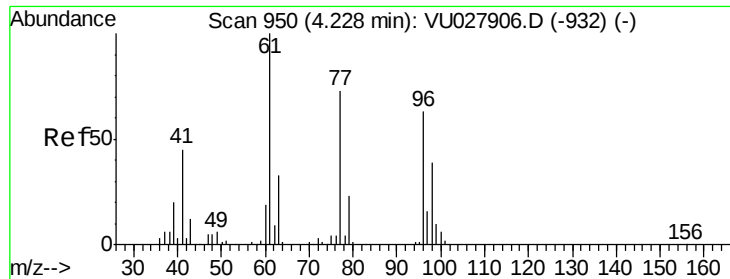
10000

5000

0

Time-->



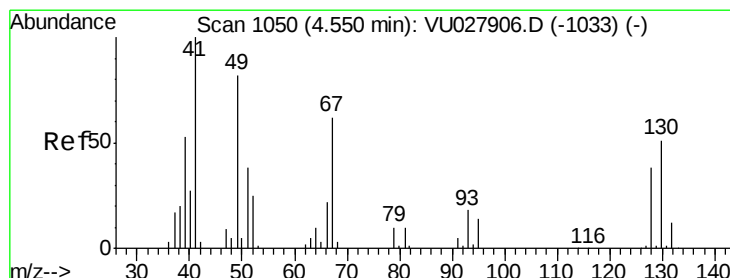
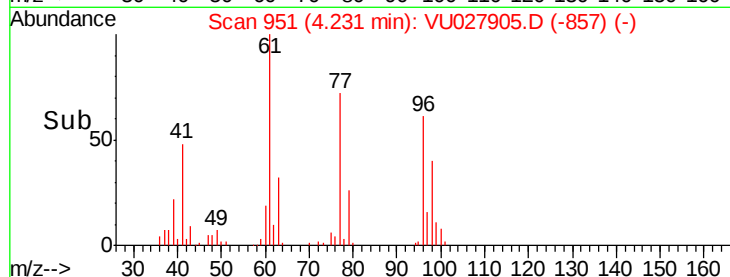
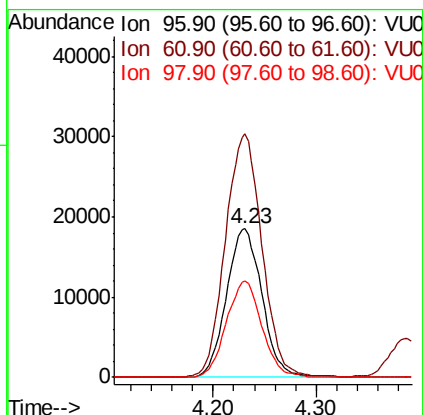
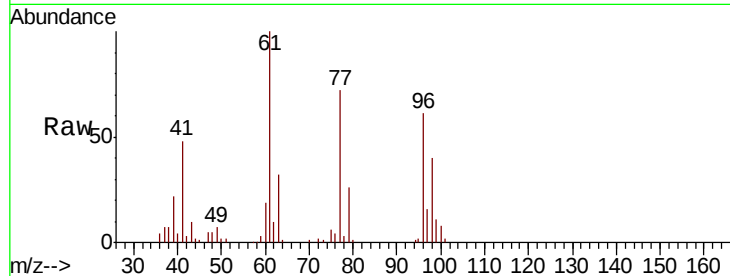


#27

cis-1,2-Dichloroethene
Concen: 19.603 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

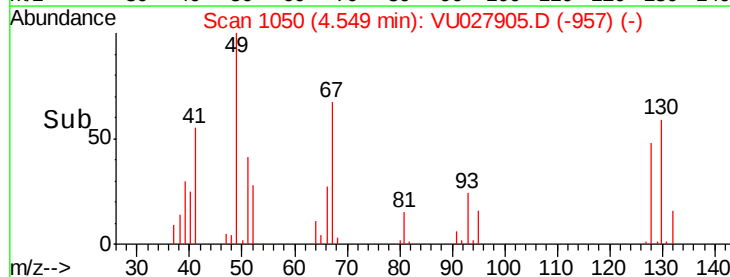
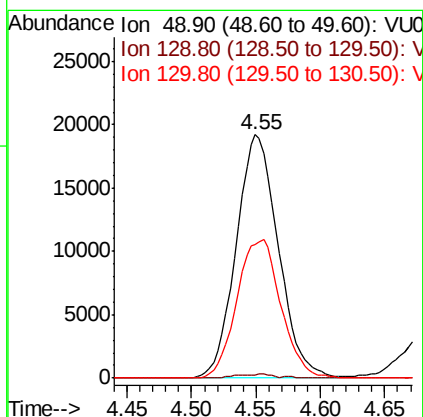
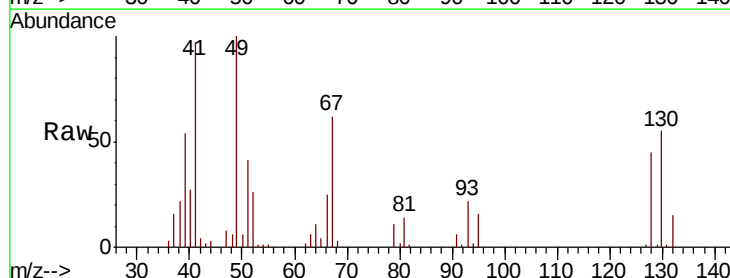
Tgt Ion	Resp	Lower	Upper
96	44498		
61	168.1	0.0	329.6
98	64.7	0.0	127.2

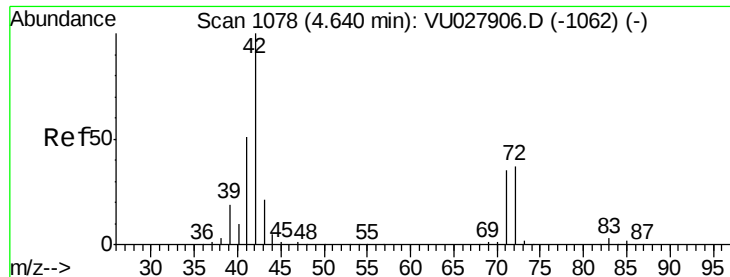


#28

Bromochloromethane
Concen: 21.184 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion	Resp	Lower	Upper
49	43679		
129	1.3	0.0	3.0
130	59.2	47.8	71.6





#29

Tetrahydrofuran

Concen: 110.984 ug/l

RT: 4.64 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

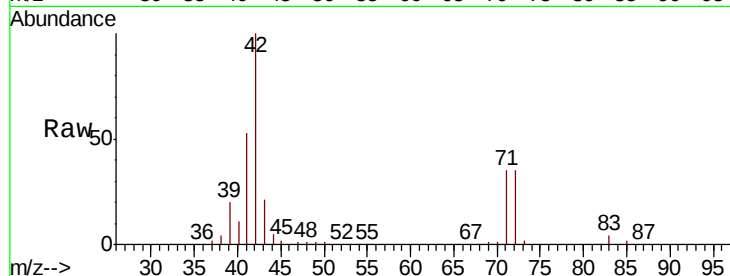
Tgt Ion: 42 Resp: 160188

Ion Ratio Lower Upper

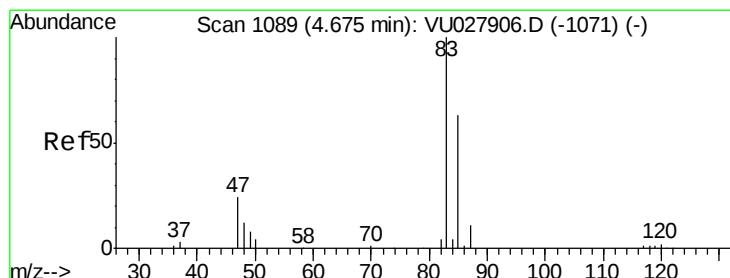
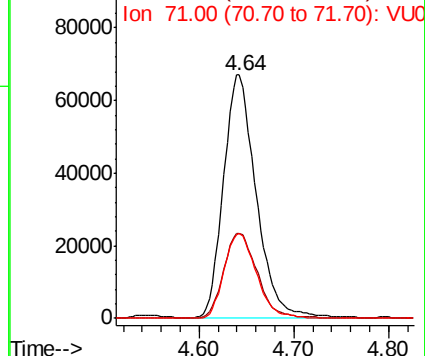
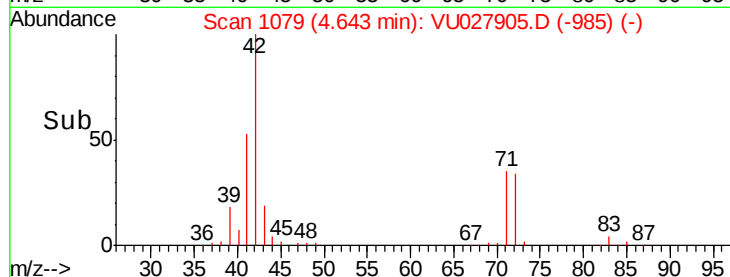
42 100

72 35.8 29.4 44.0

71 34.6 27.9 41.9



Abundance Ion 42.00 (41.70 to 42.70): VU027905.D (-985) (-)



#30

Chloroform

Concen: 20.434 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU027905.D

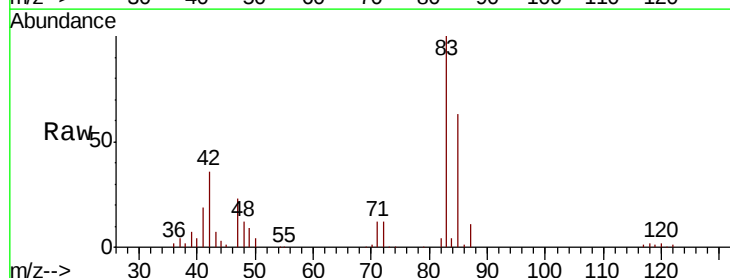
Acq: 01 Nov 2018 19:12

Tgt Ion: 83 Resp: 79184

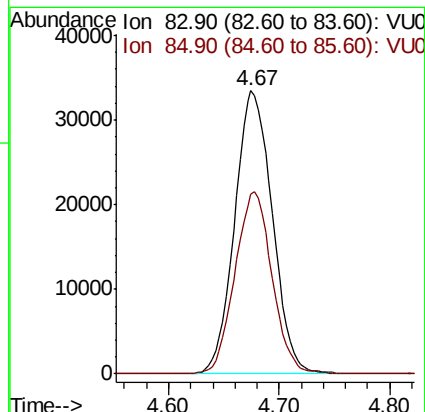
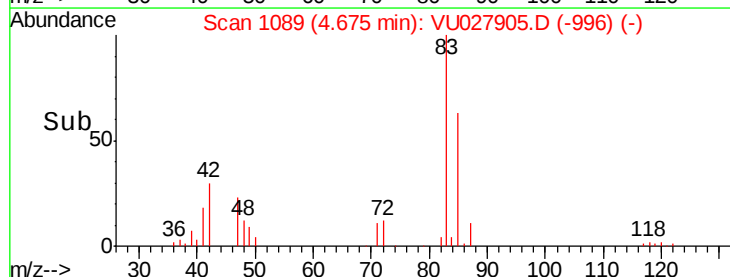
Ion Ratio Lower Upper

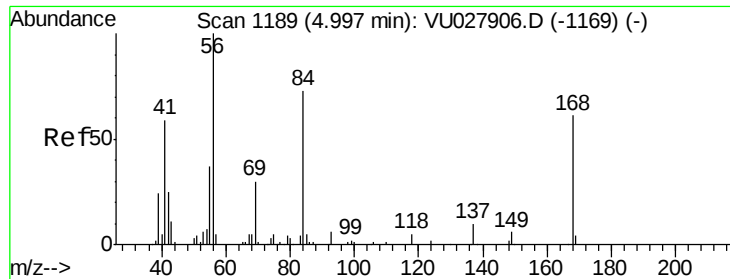
83 100

85 63.5 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VU027905.D (-996) (-)

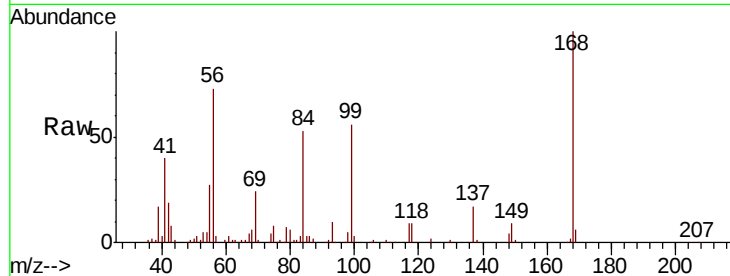




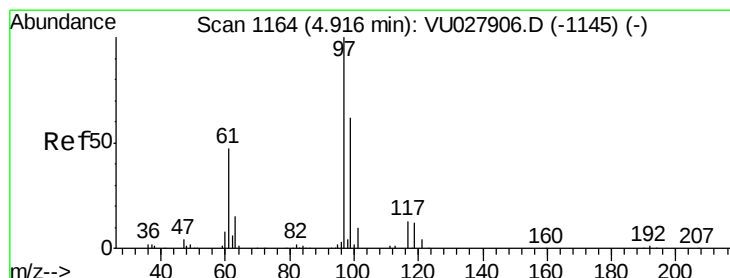
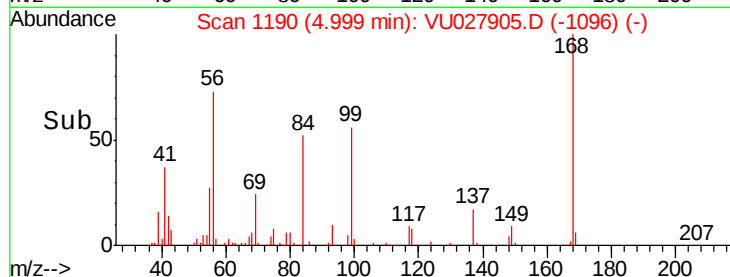
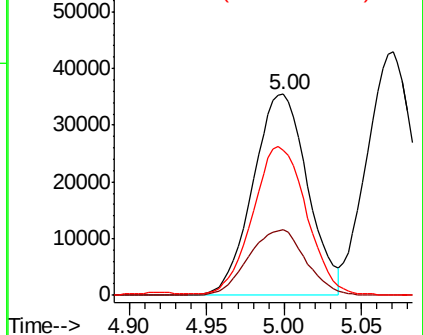
#31
Cyclohexane
Concen: 17.232 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 87309
Ion Ratio Lower Upper
56 100
69 32.7 23.7 35.5
84 71.4 58.2 87.4

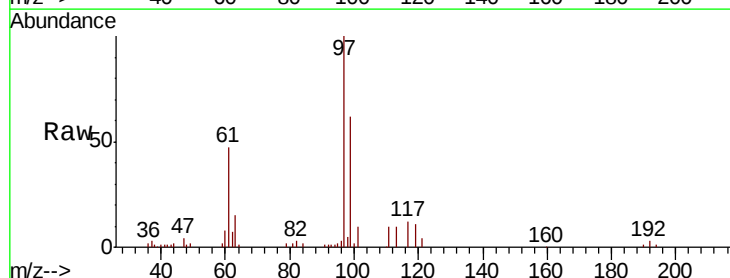


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

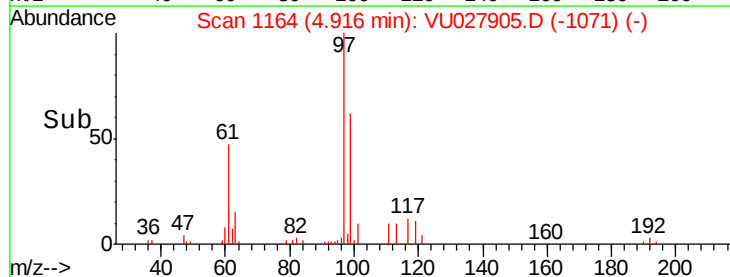
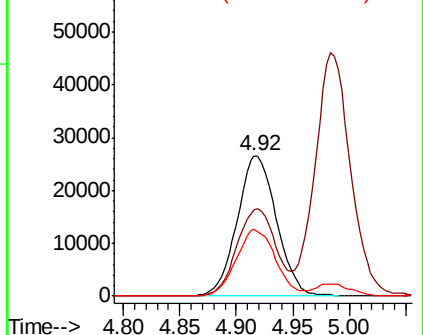


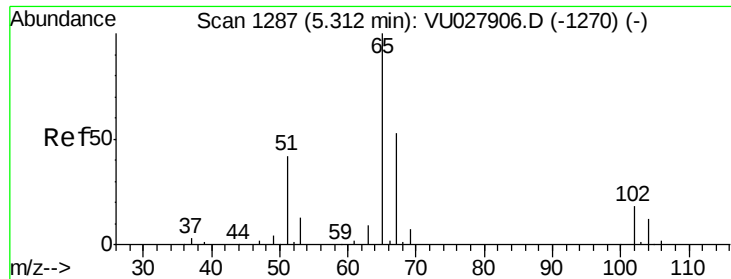
#32
1,1,1-Trichloroethane
Concen: 19.802 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion: 97 Resp: 64376
Ion Ratio Lower Upper
97 100
99 61.9 50.5 75.7
61 47.1 38.3 57.5



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

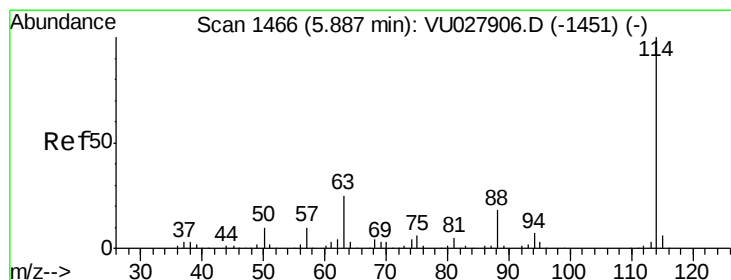
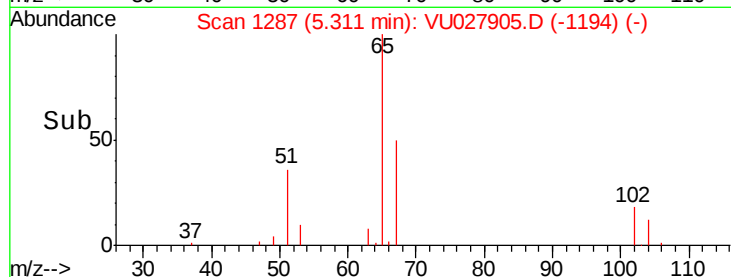
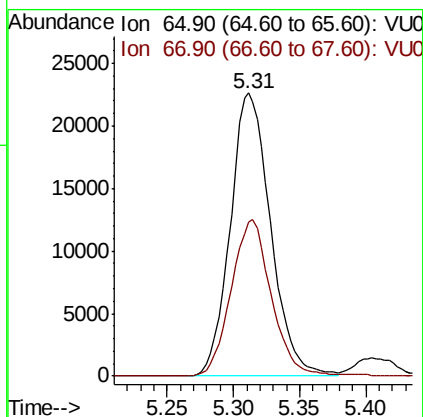
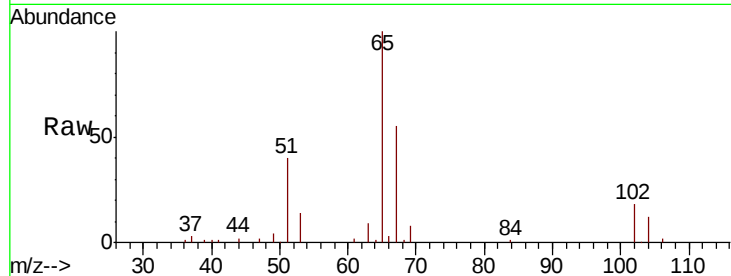




#33
 1,2-Dichloroethane-d4
 Concen: 17.450 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

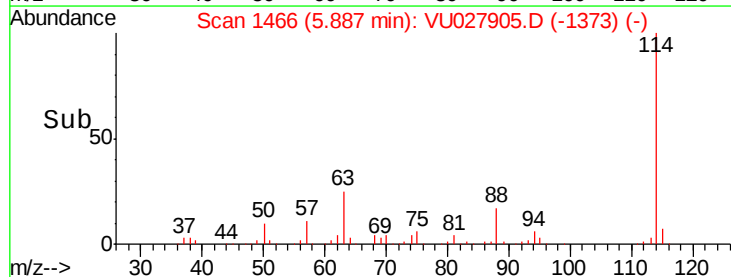
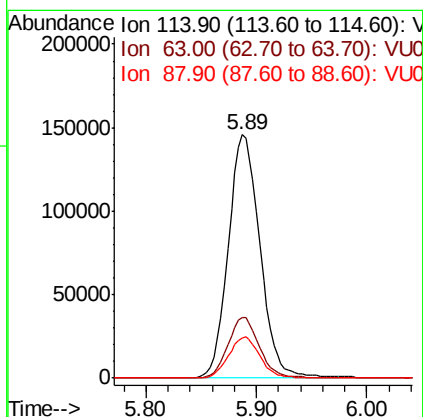
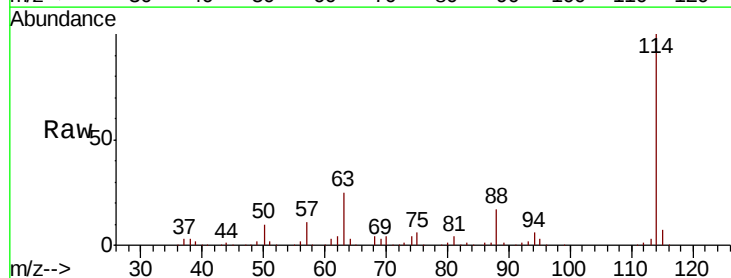
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

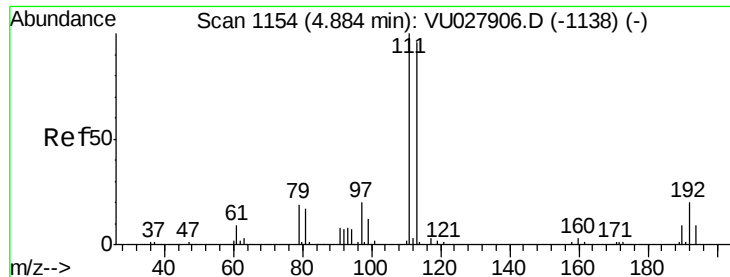
Tgt Ion: 65 Resp: 47824
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion: 114 Resp: 290366
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 50.8
 88 16.6 0.0 35.8





#35

Dibromofluoromethane

Concen: 17.655 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

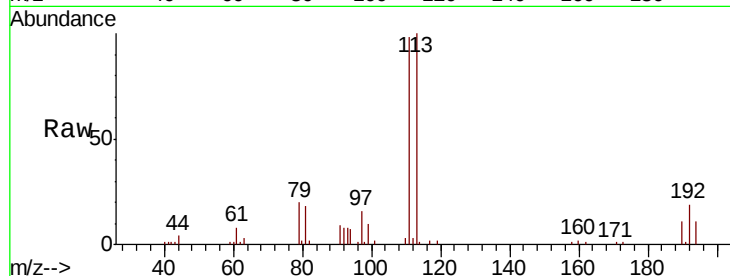
Tgt Ion:113 Resp: 34852

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.6

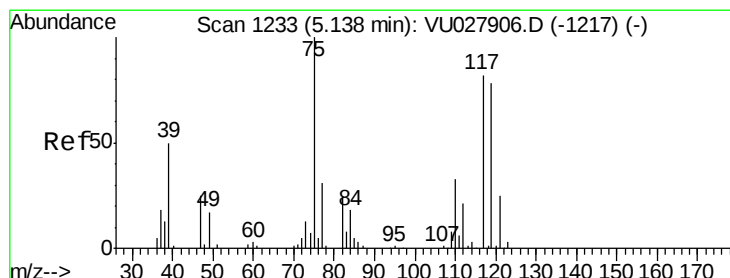
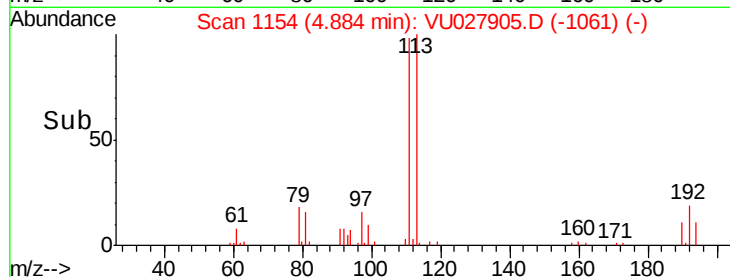
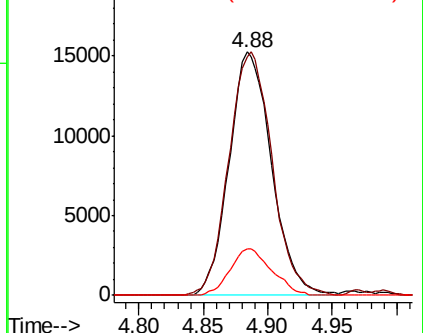
192 18.8 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.460 ug/l

RT: 5.14 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

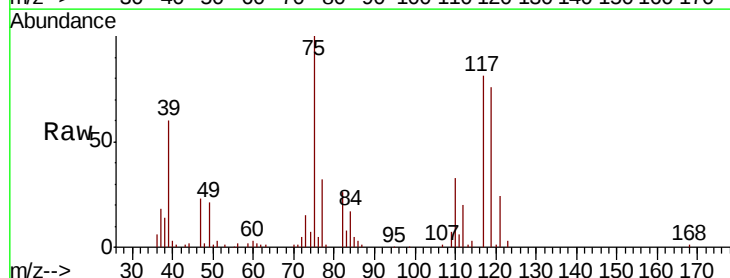
Tgt Ion: 75 Resp: 57834

Ion Ratio Lower Upper

75 100

110 32.2 16.5 49.5

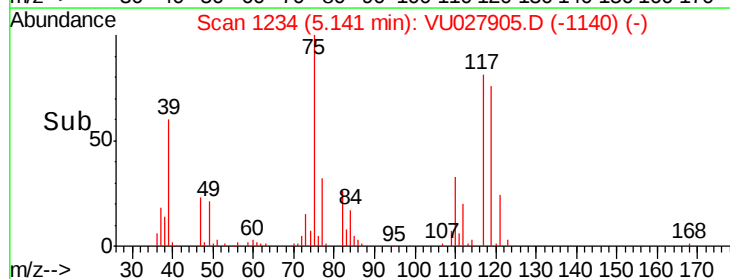
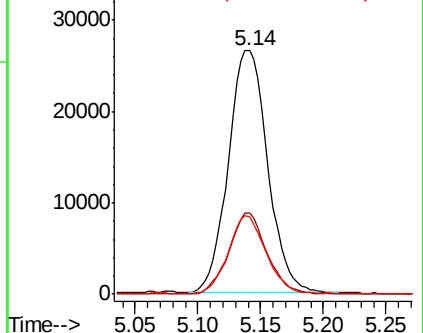
77 31.3 24.9 37.3

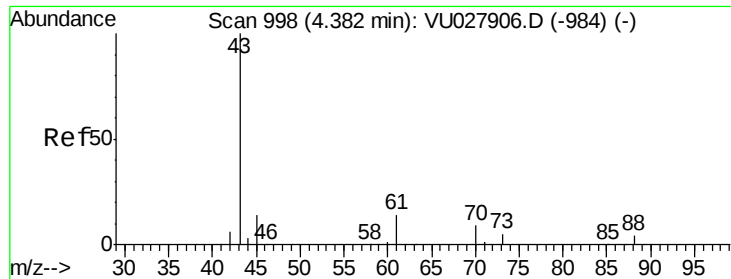


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

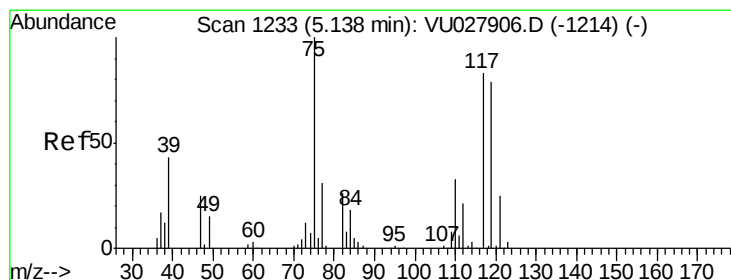
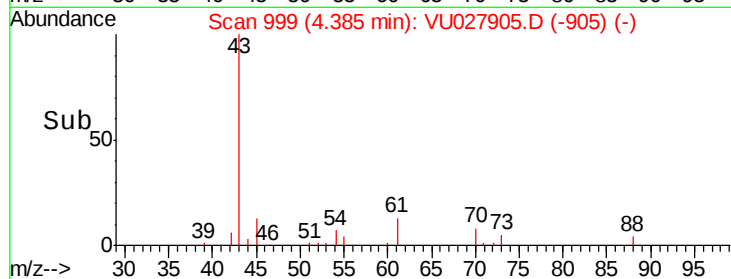
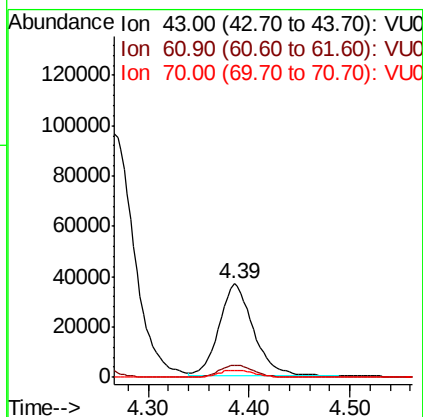
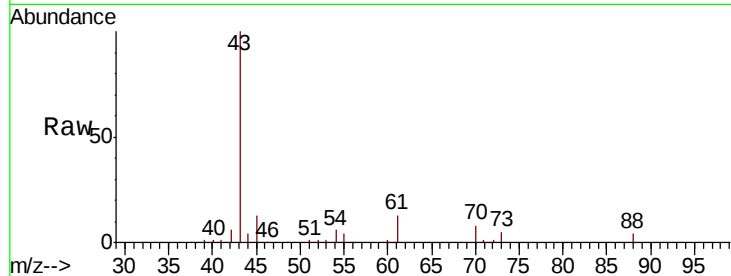




#37
Ethyl Acetate
Concen: 21.148 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

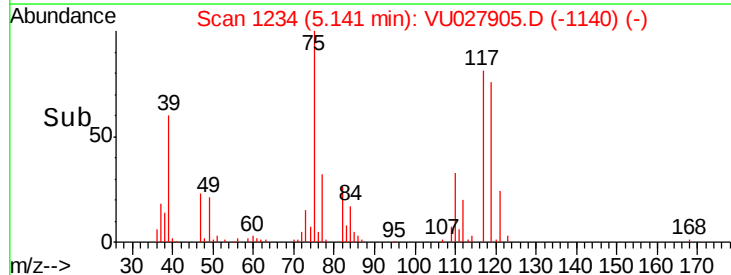
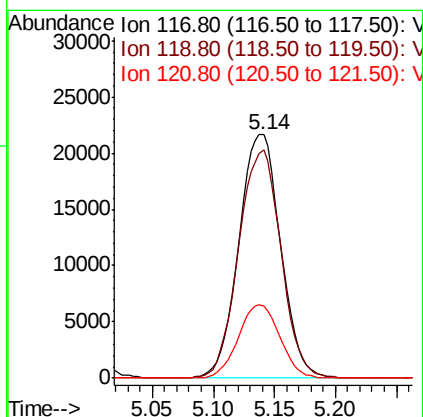
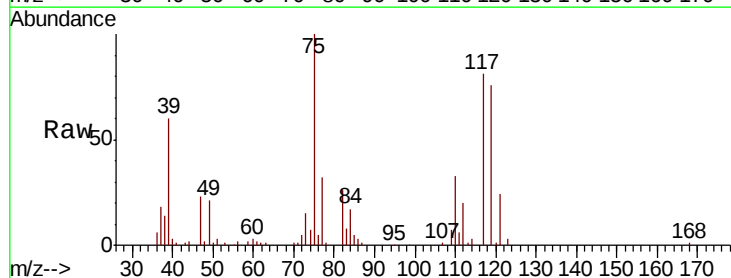
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

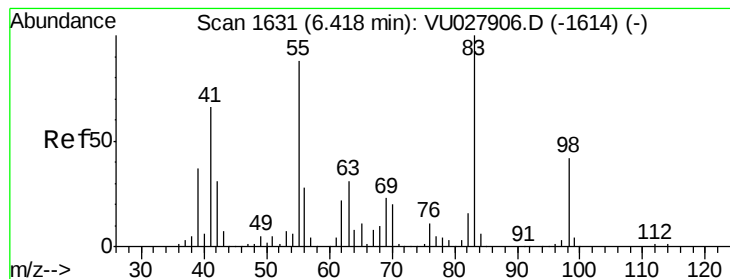
Tgt Ion: 43 Resp: 87826
Ion Ratio Lower Upper
43 100
61 13.3 10.3 15.5
70 8.3 7.0 10.6



#38
Carbon Tetrachloride
Concen: 18.123 ug/l
RT: 5.14 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion: 117 Resp: 51256
Ion Ratio Lower Upper
117 100
119 93.8 76.0 114.0
121 29.8 24.5 36.7





#39

Methylcyclohexane

Concen: 19.646 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

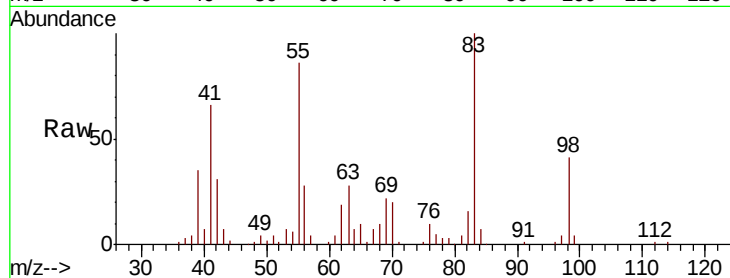
Tgt Ion: 83 Resp: 72148

Ion Ratio Lower Upper

83 100

55 86.1 70.3 105.5

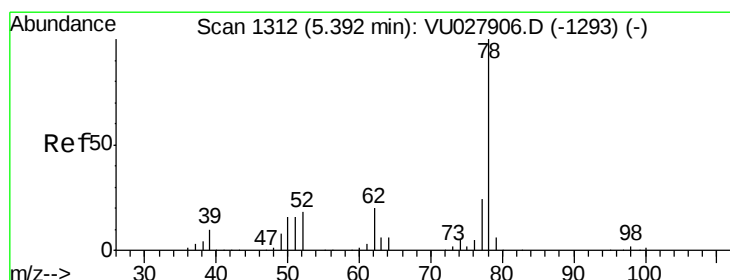
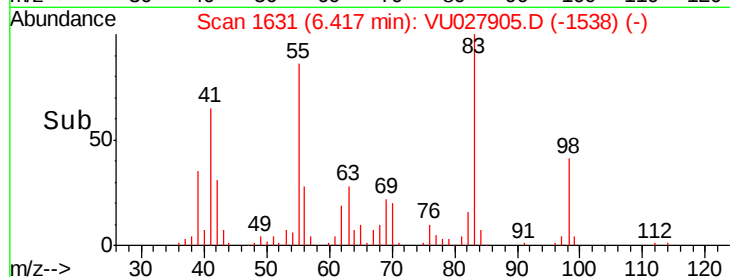
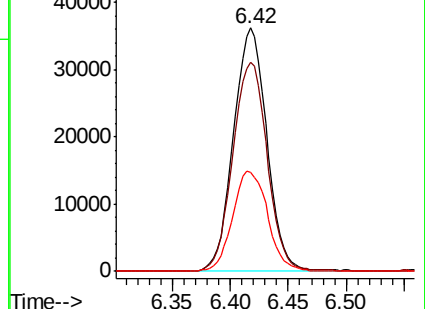
98 40.8 34.0 51.0



Abundance Ion 83.00 (82.70 to 83.70): VU027906.D (-1614) (-)

Ion 55.00 (54.70 to 55.70): VU027906.D (-1614) (-)

Ion 98.00 (97.70 to 98.70): VU027906.D (-1614) (-)



#40

Benzene

Concen: 19.827 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU027905.D

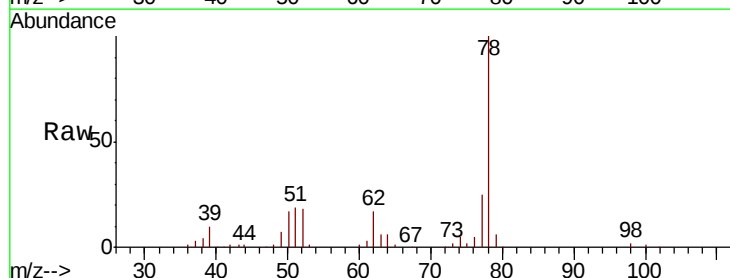
Acq: 01 Nov 2018 19:12

Tgt Ion: 78 Resp: 183415

Ion Ratio Lower Upper

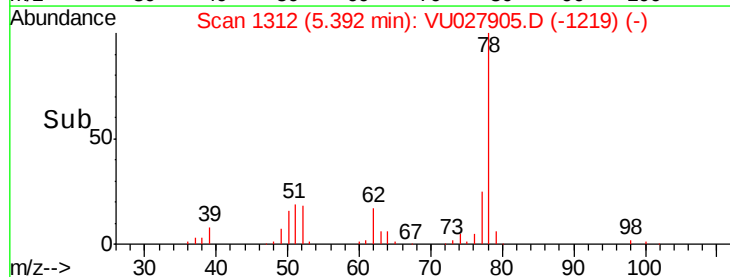
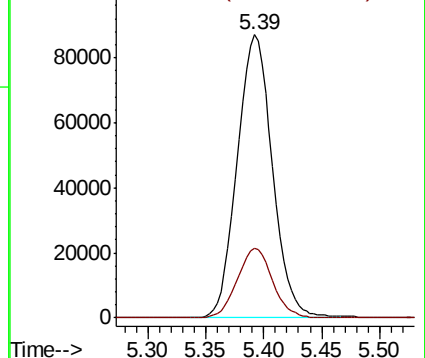
78 100

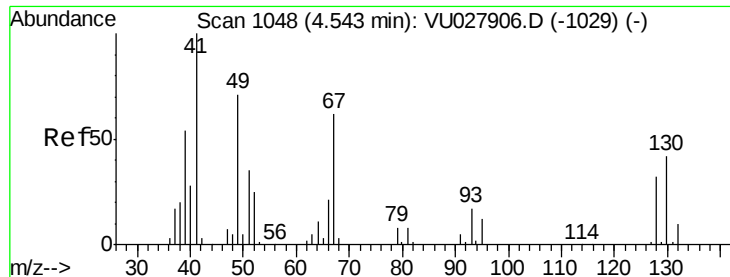
77 24.7 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VU027906.D (-1293) (-)

Ion 77.00 (76.70 to 77.70): VU027906.D (-1293) (-)

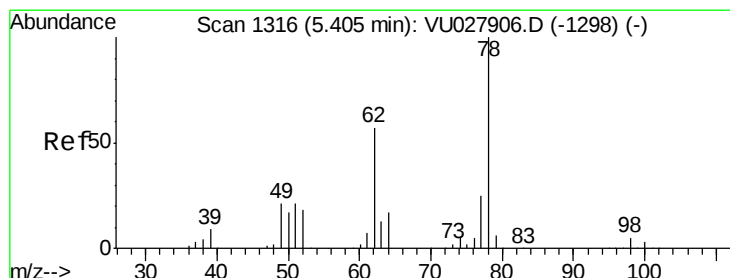
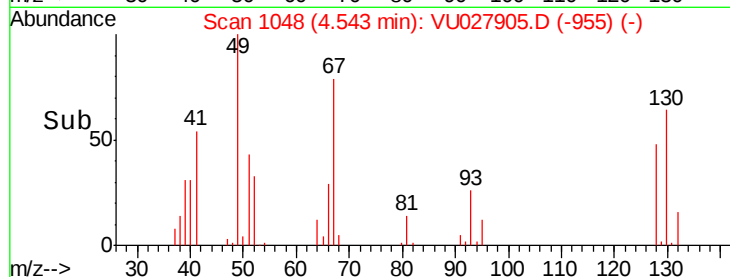
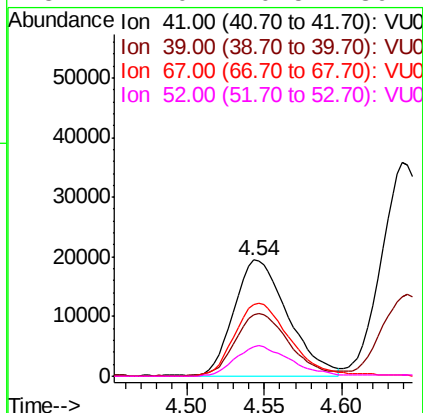
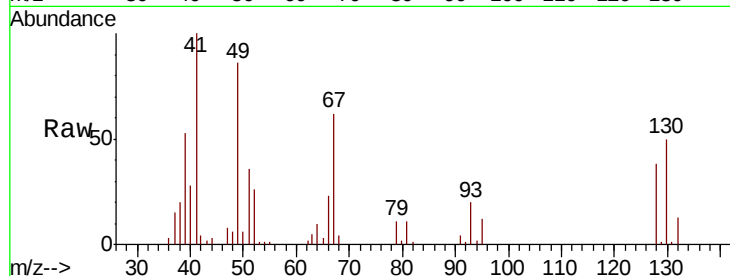




#41
Methacrylonitrile
Concen: 19.968 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

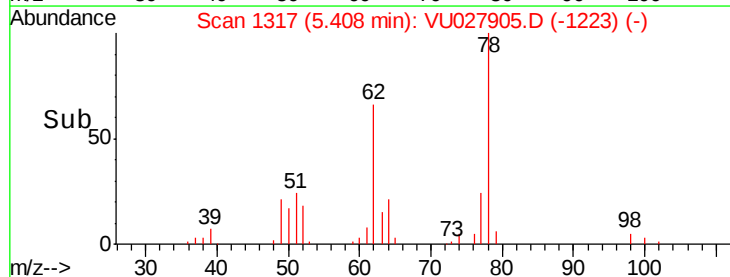
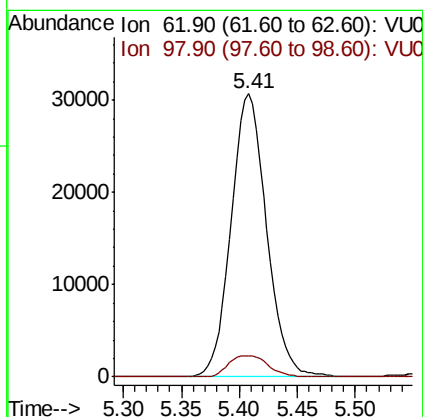
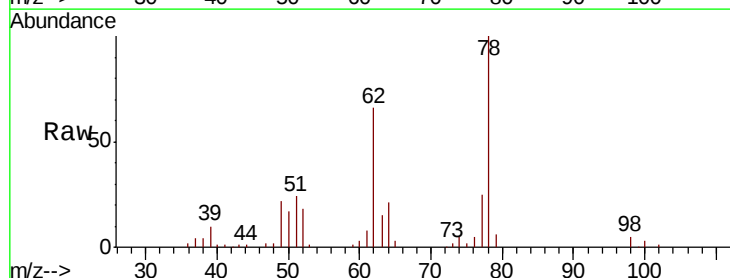
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

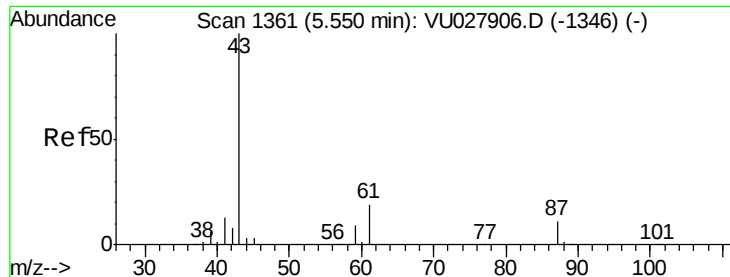
Tgt Ion:	41	Resp:	46751
Ion	Ratio	Lower	Upper
41	100		
39	55.1	42.2	63.4
67	65.1	49.5	74.3
52	27.0	20.5	30.7



#42
1,2-Dichloroethane
Concen: 19.138 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion:	62	Resp:	64943
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 21.209 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

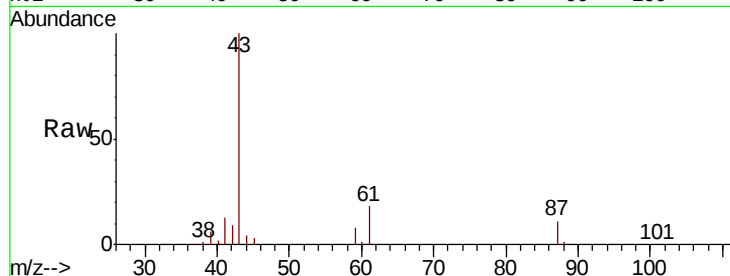
Tgt Ion: 43 Resp: 136377

Ion Ratio Lower Upper

43 100

61 18.5 15.0 22.4

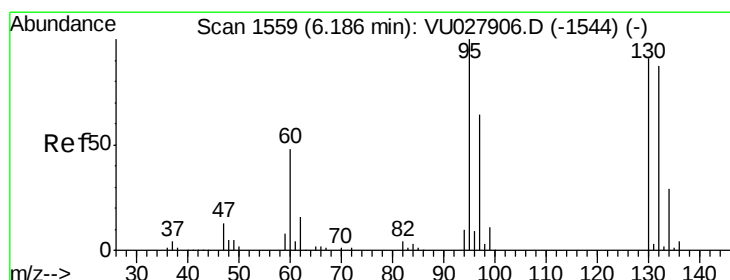
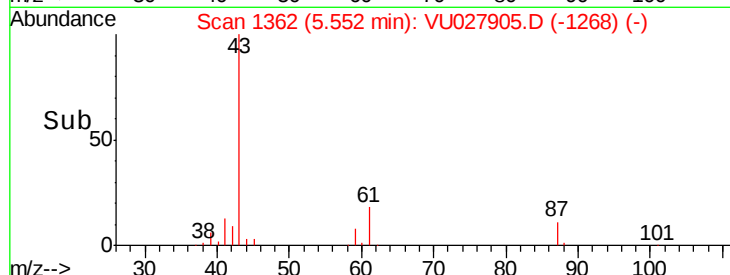
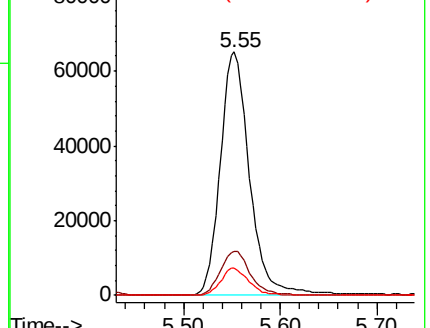
87 10.6 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1346) (-)

Ion 61.00 (60.70 to 61.70): VU027906.D (-1346) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-1346) (-)



#44

Trichloroethene

Concen: 18.835 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027905.D

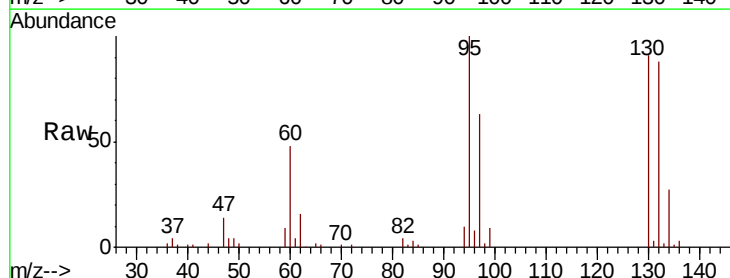
Acq: 01 Nov 2018 19:12

Tgt Ion: 130 Resp: 38521

Ion Ratio Lower Upper

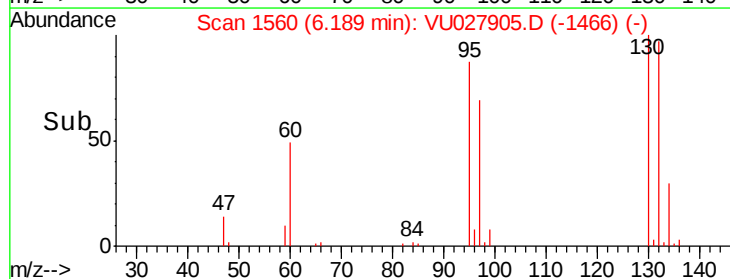
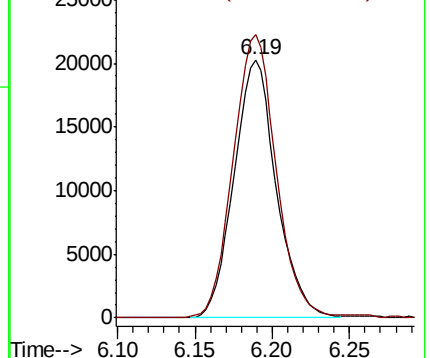
130 100

95 109.3 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): VU027906.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU027906.D (-1544) (-)

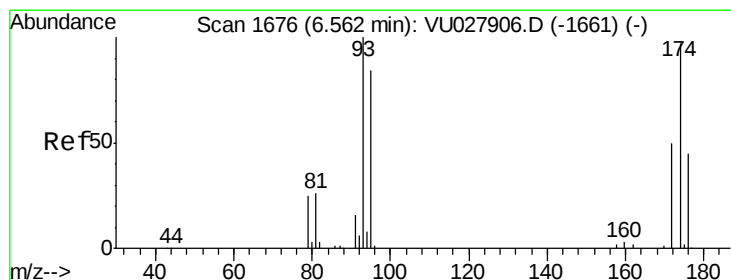
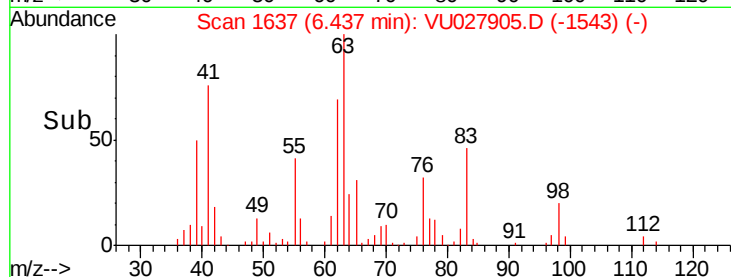
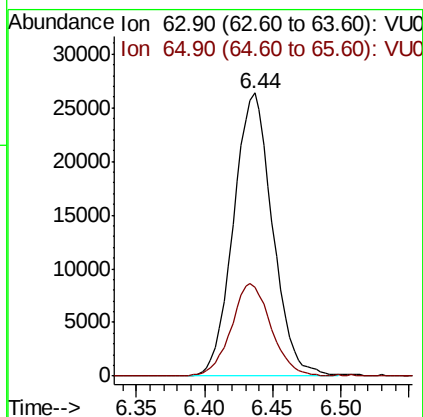
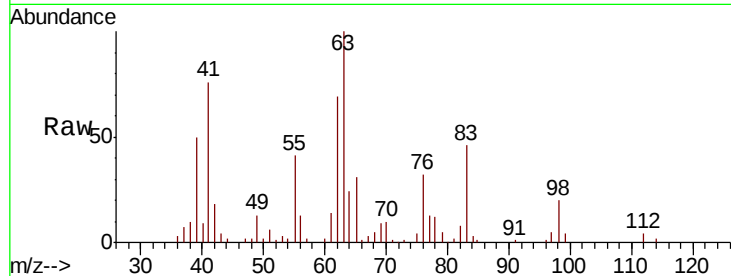




#45
 1,2-Dichloropropane
 Concen: 19.737 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

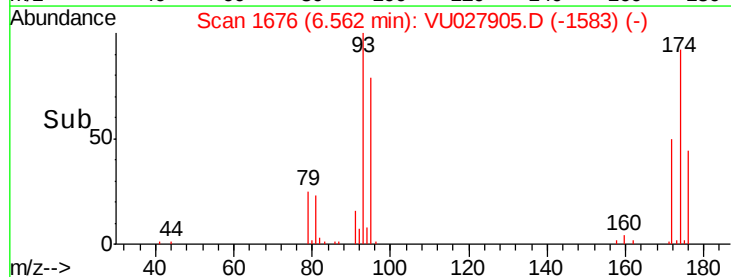
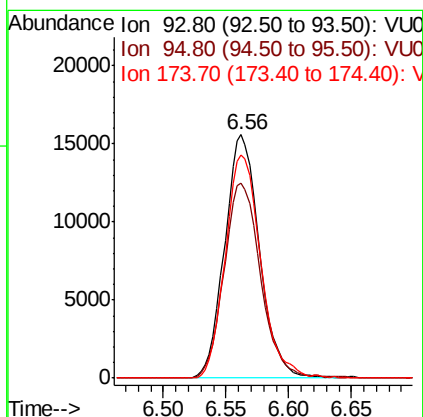
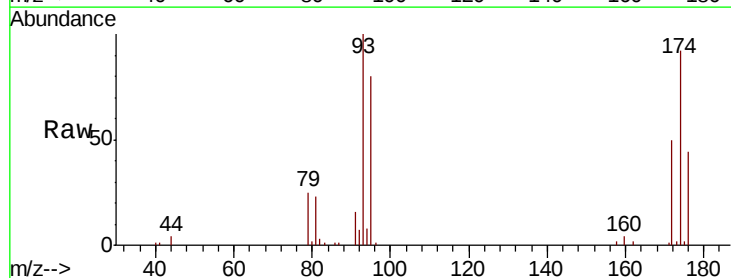
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

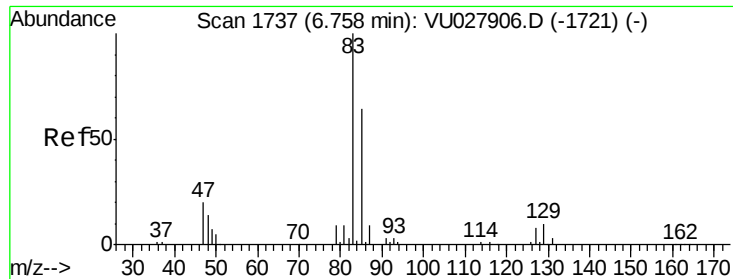
Tgt Ion: 63 Resp: 52454
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.4 36.6



#46
 Dibromomethane
 Concen: 20.005 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion: 93 Resp: 30043
 Ion Ratio Lower Upper
 93 100
 95 83.9 68.5 102.7
 174 93.0 76.1 114.1





#47

Bromodichloromethane

Concen: 18.619 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

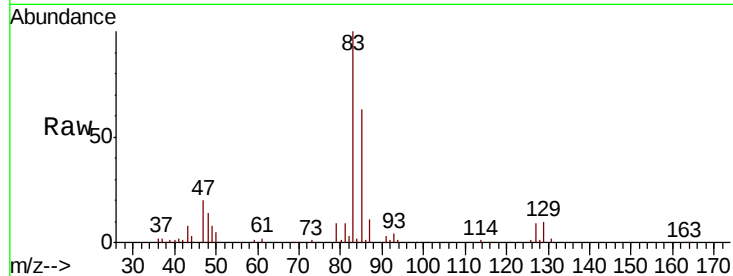
Tgt Ion: 83 Resp: 57558

Ion Ratio Lower Upper

83 100

85 62.9 51.0 76.6

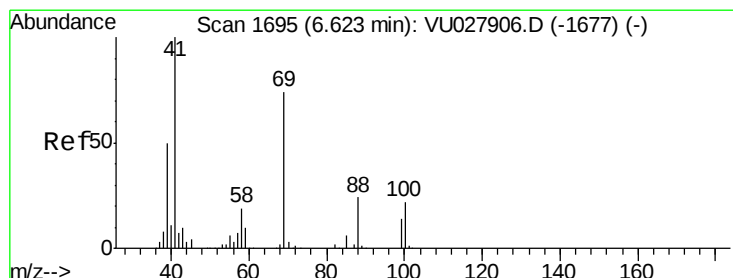
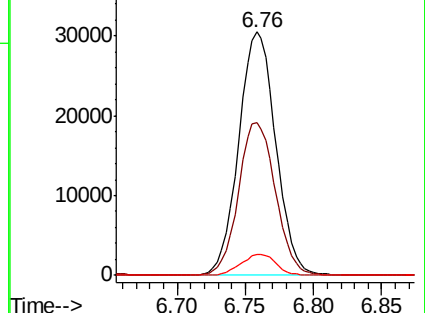
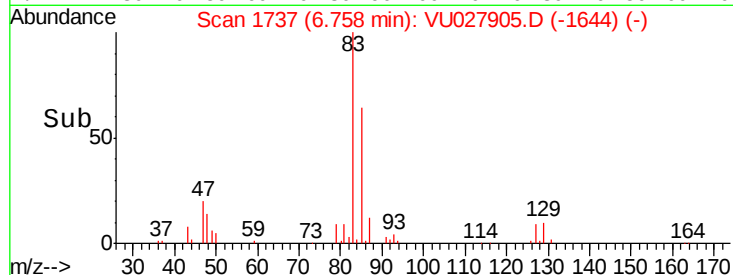
127 8.7 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU027905.D (-1644) (-)

Ion 84.90 (84.60 to 85.60): VU027905.D (-1644) (-)

Ion 126.80 (126.50 to 127.50): VU027905.D (-1644) (-)



#48

Methyl methacrylate

Concen: 20.890 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

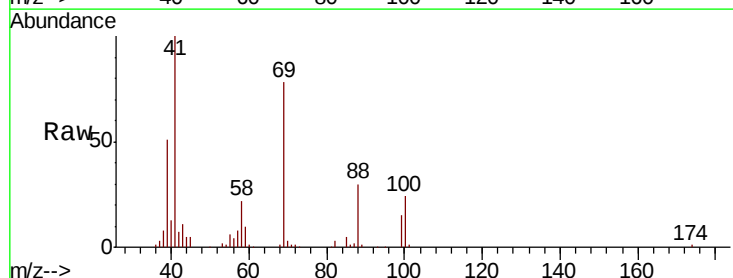
Tgt Ion: 41 Resp: 66860

Ion Ratio Lower Upper

41 100

69 74.9 59.8 89.8

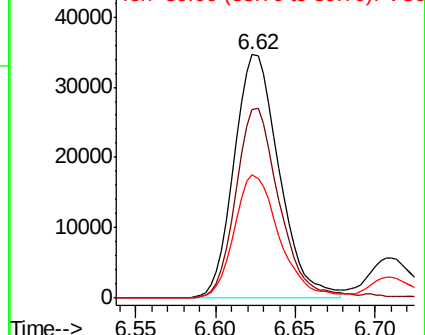
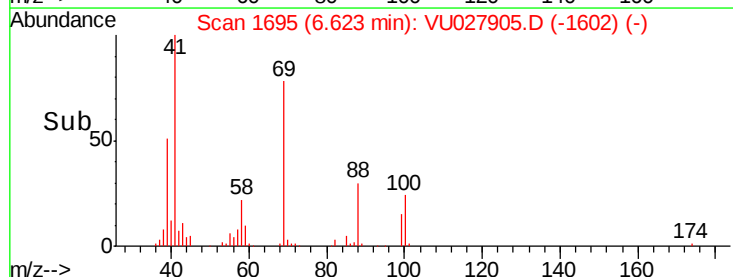
39 50.6 40.0 60.0



Abundance Ion 41.00 (40.70 to 41.70): VU027905.D (-1602) (-)

Ion 69.00 (68.70 to 69.70): VU027905.D (-1602) (-)

Ion 39.00 (38.70 to 39.70): VU027905.D (-1602) (-)

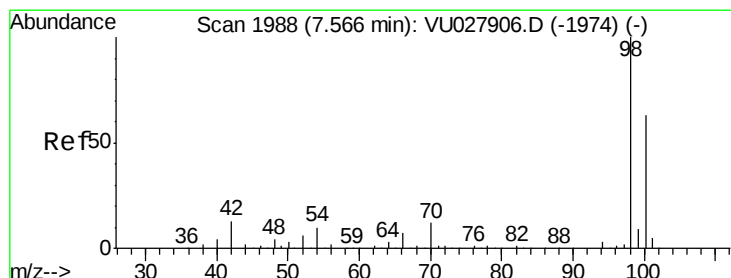
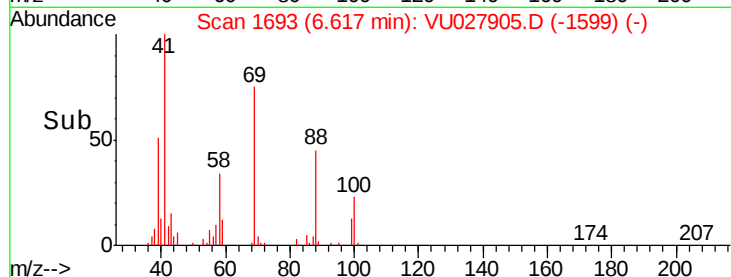
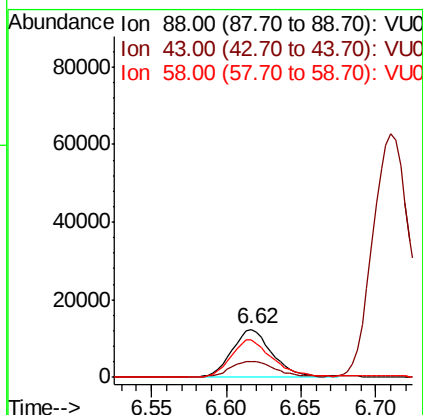
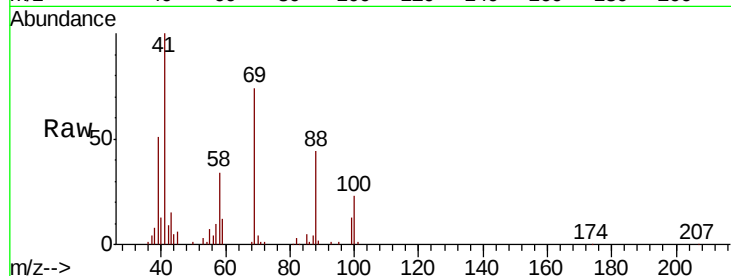




#49
1,4-Dioxane
Concen: 432.850 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

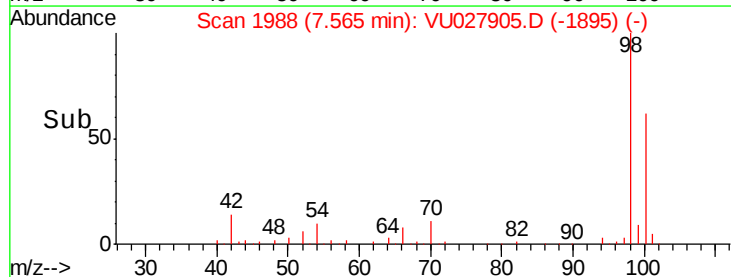
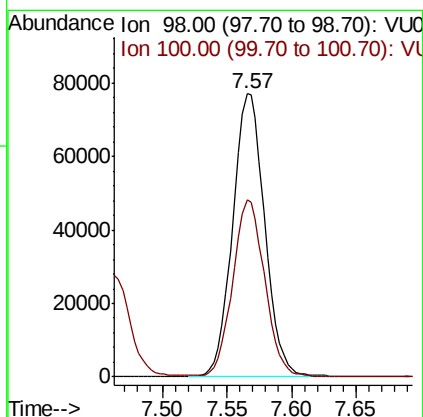
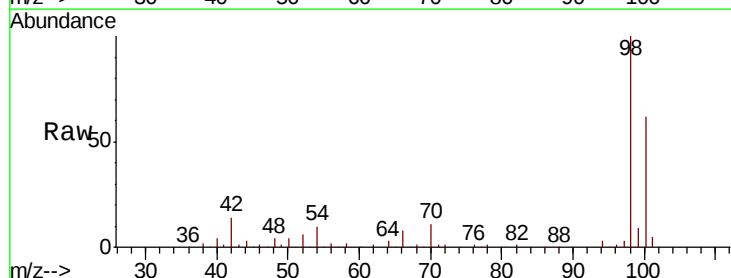
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

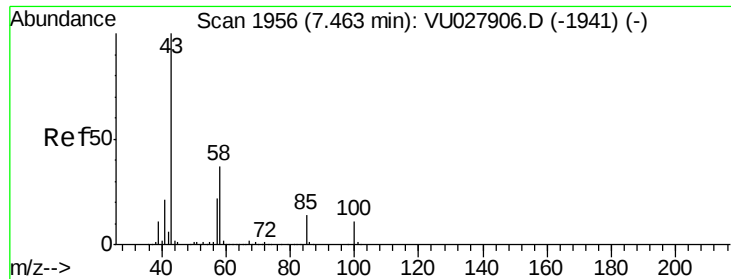
Tgt Ion: 88 Resp: 23624
Ion Ratio Lower Upper
88 100
43 37.4 30.5 45.7
58 80.1 67.1 100.7



#50
Toluene-d8
Concen: 18.097 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion: 98 Resp: 133329
Ion Ratio Lower Upper
98 100
100 61.9 50.1 75.1

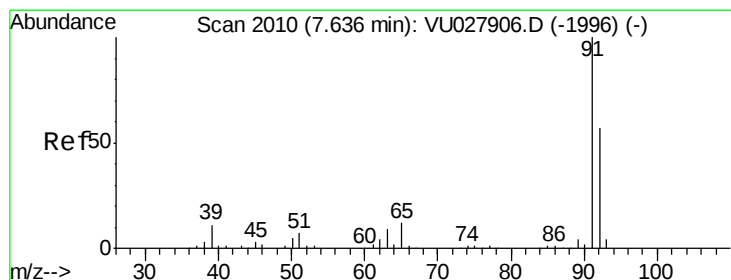
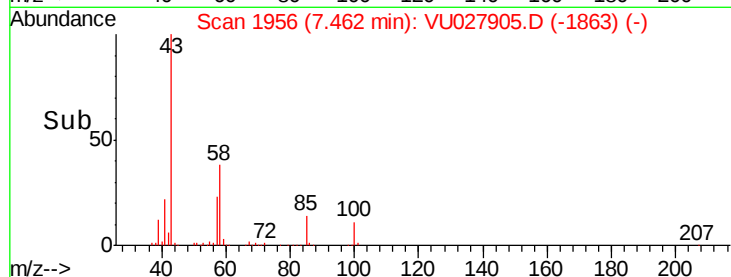
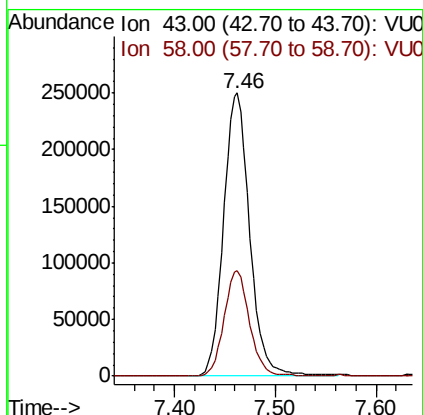
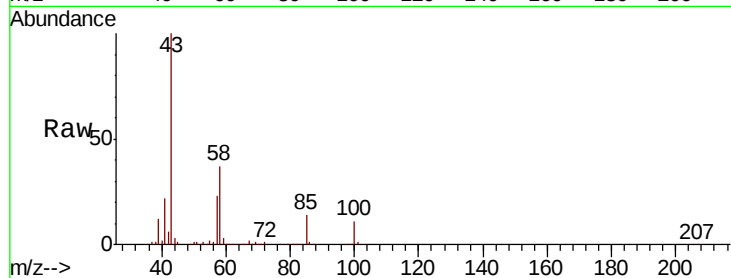




#51
4-Methyl-2-Pentanone
Concen: 107.360 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

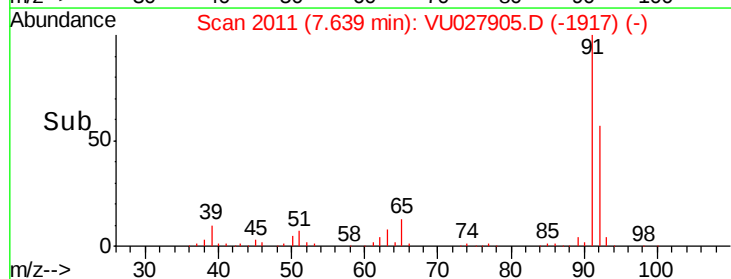
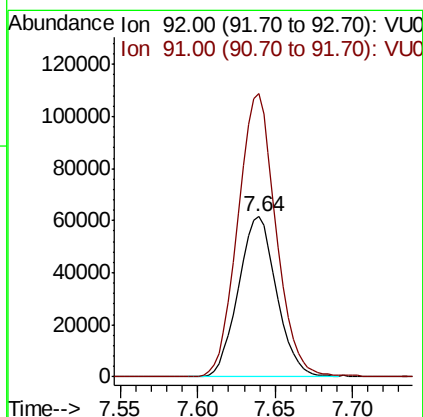
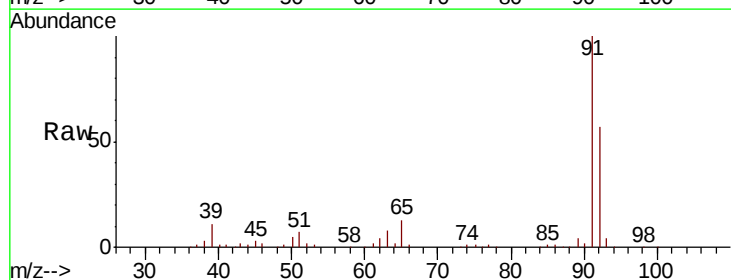
Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

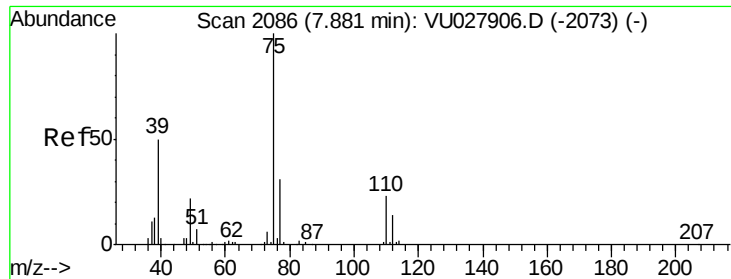
Tgt Ion: 43 Resp: 451331
Ion Ratio Lower Upper
43 100
58 36.7 29.5 44.3



#52
Toluene
Concen: 19.471 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion: 92 Resp: 106035
Ion Ratio Lower Upper
92 100
91 176.7 141.2 211.8

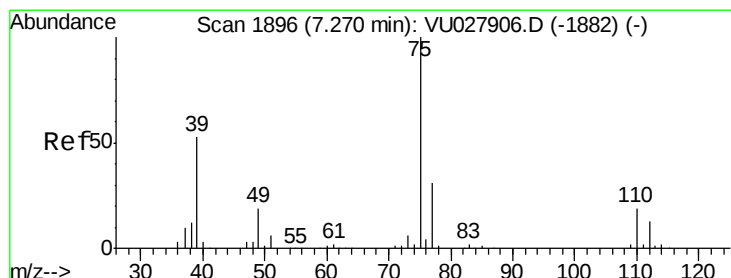
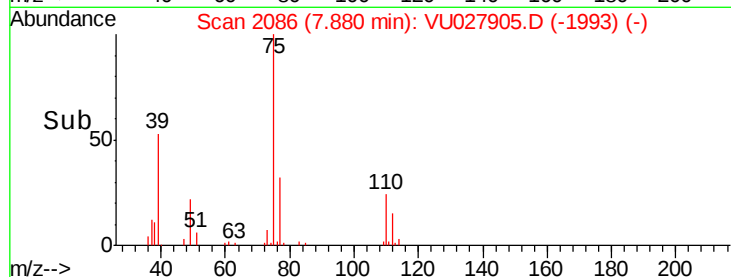
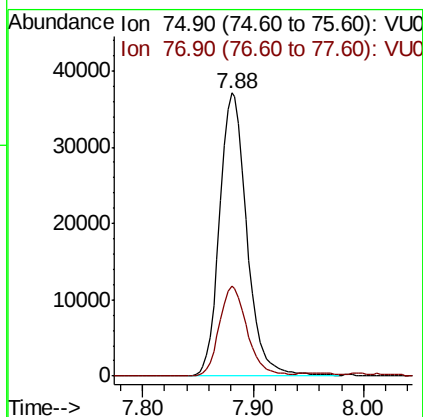
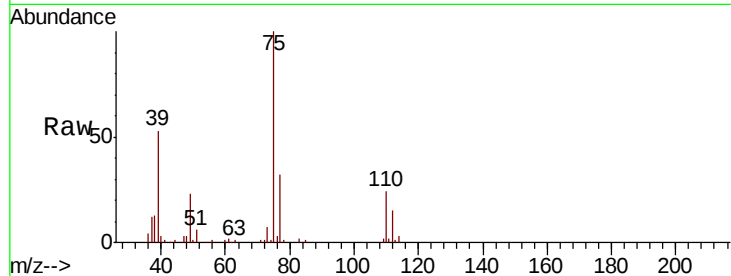




#53
 t-1,3-Dichloropropene
 Concen: 17.614 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

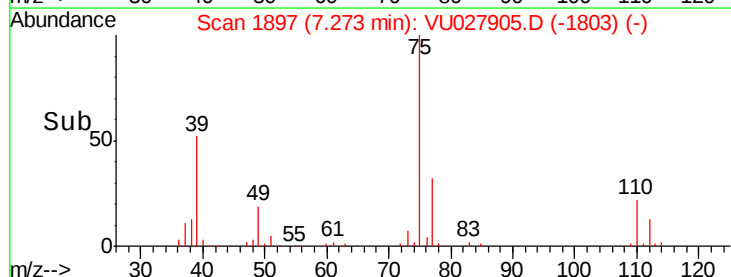
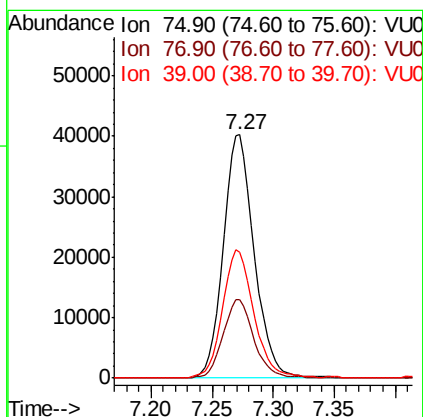
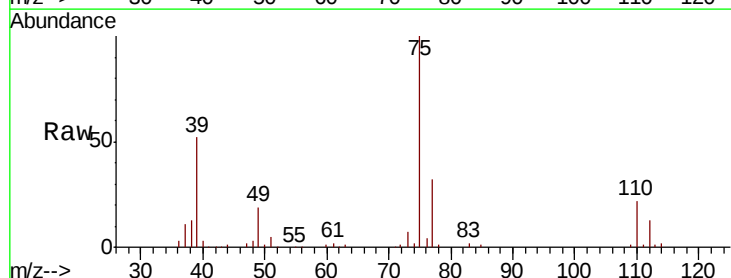
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

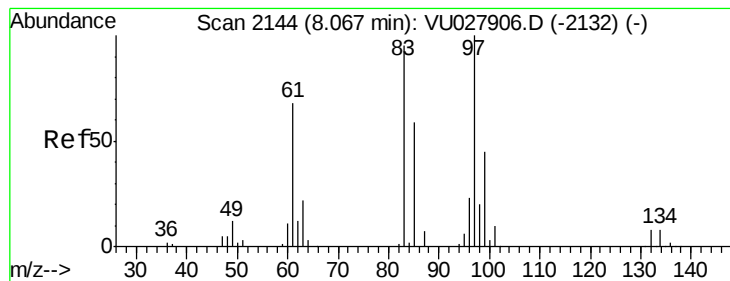
Tgt Ion: 75 Resp: 63734
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 18.404 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion: 75 Resp: 71648
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.6 37.0
 39 51.5 42.6 64.0





#55

1,1,2-Trichloroethane

Concen: 20.021 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 43232

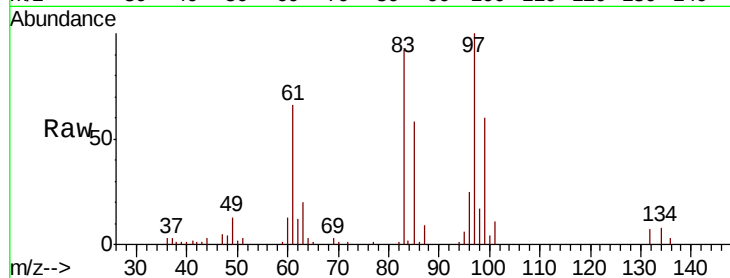
Ion Ratio Lower Upper

97 100

83 91.6 76.1 114.1

85 58.4 48.9 73.3

99 59.6 52.0 78.0

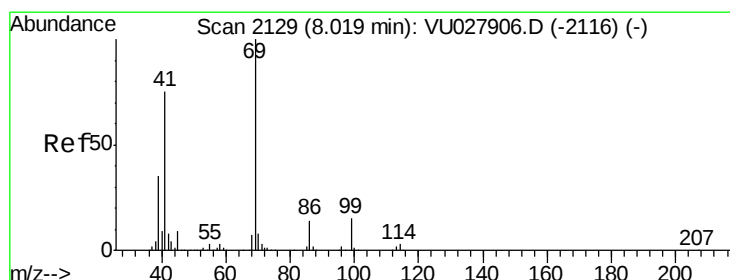
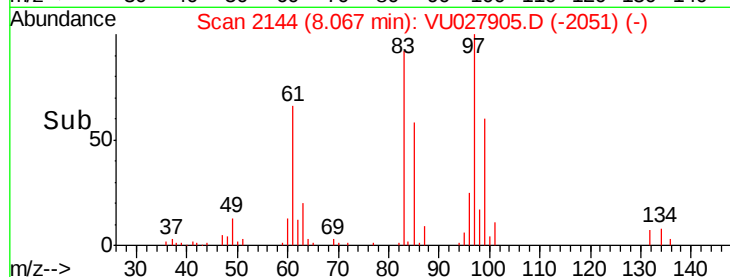
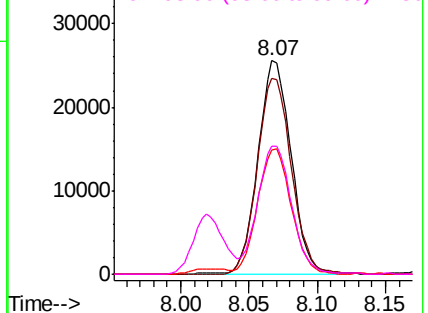


Abundance Ion 96.90 (96.60 to 97.60): VU027906.D (-2132) (-)

Ion 82.90 (82.60 to 83.60): VU027906.D (-2132) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-2132) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-2132) (-)



#56

Ethyl methacrylate

Concen: 20.870 ug/l

RT: 8.02 min Scan# 2129

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

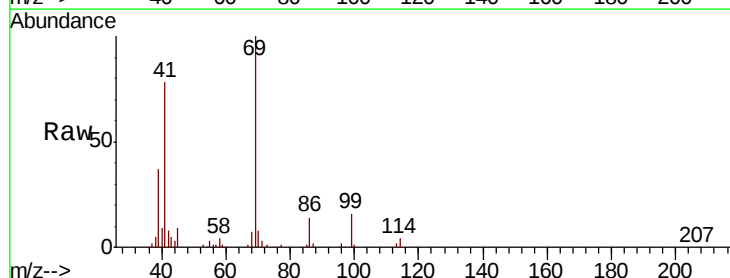
Tgt Ion: 69 Resp: 75662

Ion Ratio Lower Upper

69 100

41 76.6 59.8 89.6

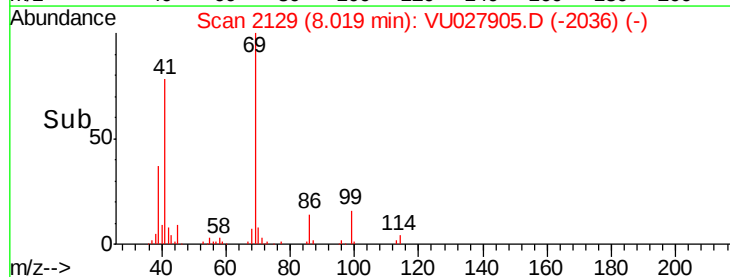
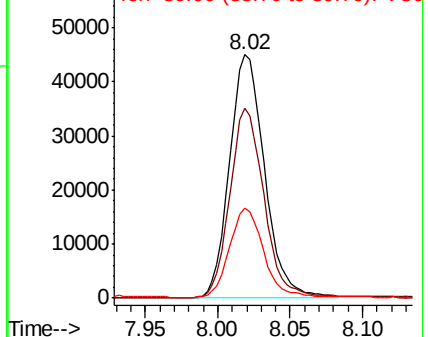
39 35.6 28.6 42.8



Abundance Ion 69.00 (68.70 to 69.70): VU027906.D (-2116) (-)

Ion 41.00 (40.70 to 41.70): VU027906.D (-2116) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-2116) (-)

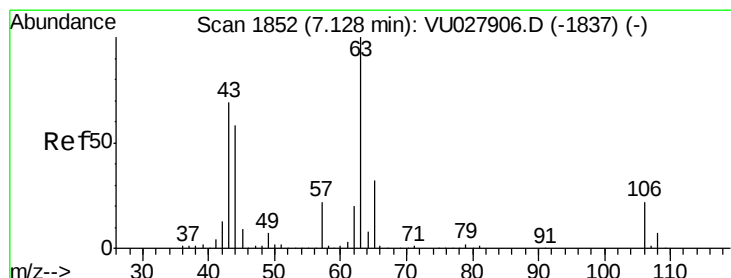
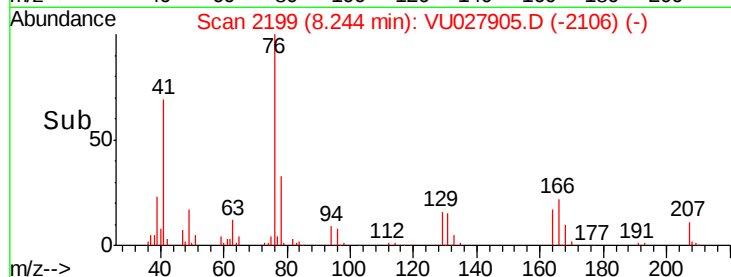
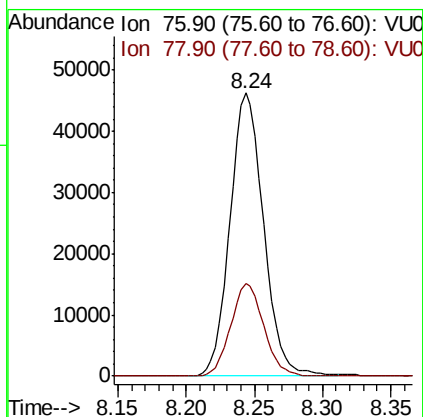
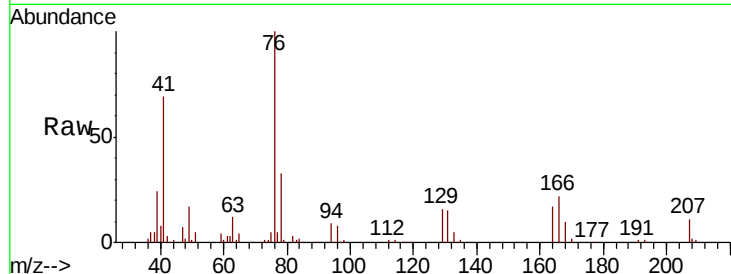




#57
 1,3-Dichloropropane
 Concen: 18.923 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

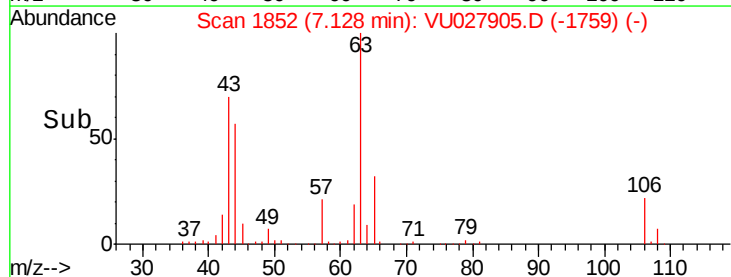
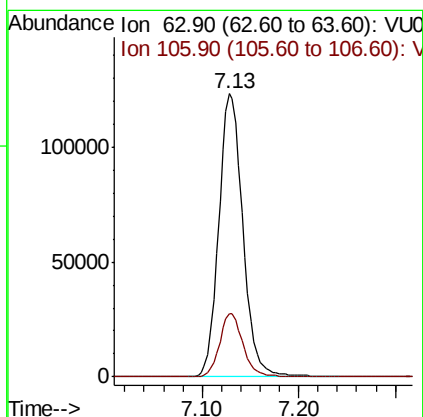
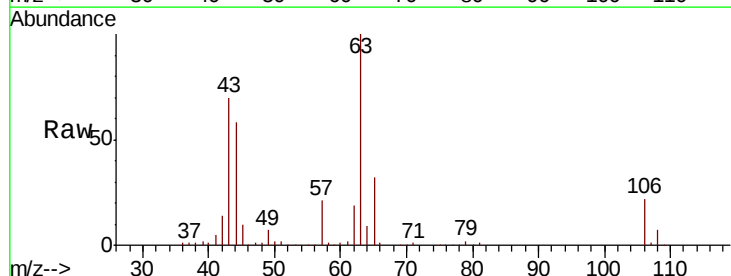
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion: 76 Resp: 79033
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.431 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion: 63 Resp: 213234
 Ion Ratio Lower Upper
 63 100
 106 21.8 17.8 26.6

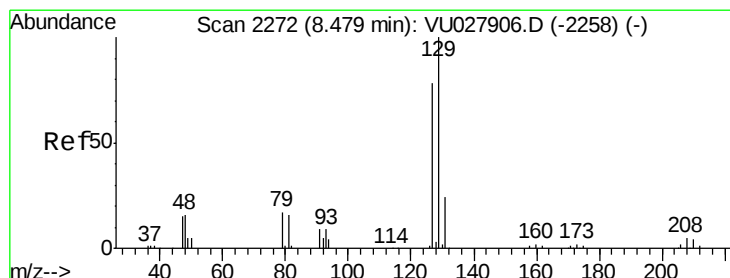
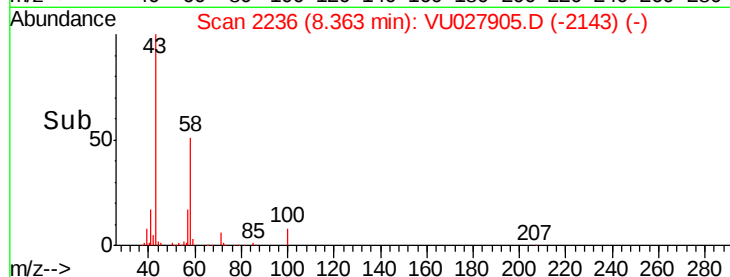
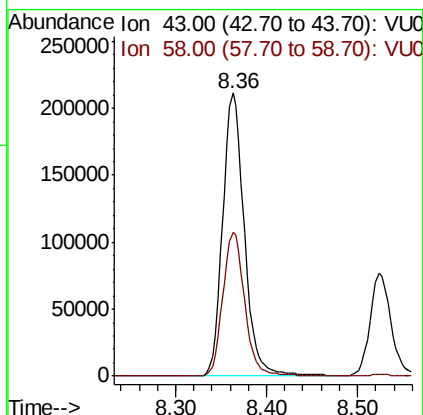
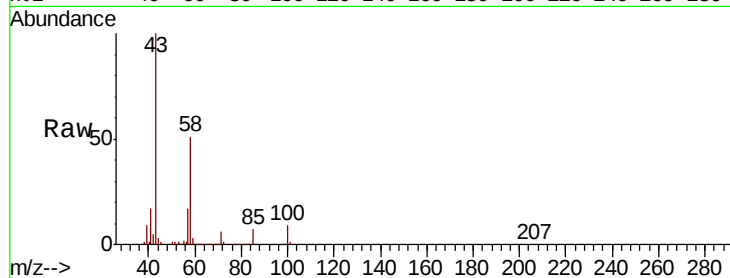




#59
2-Hexanone
Concen: 107.365 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

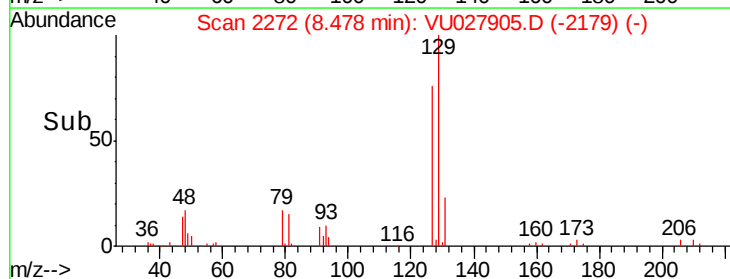
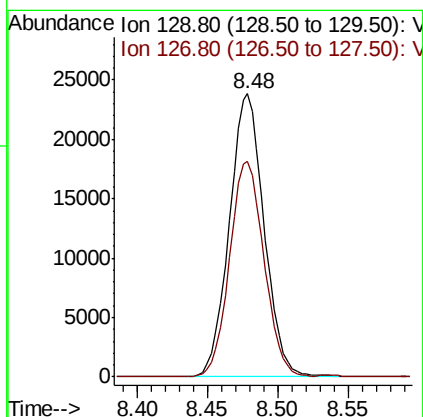
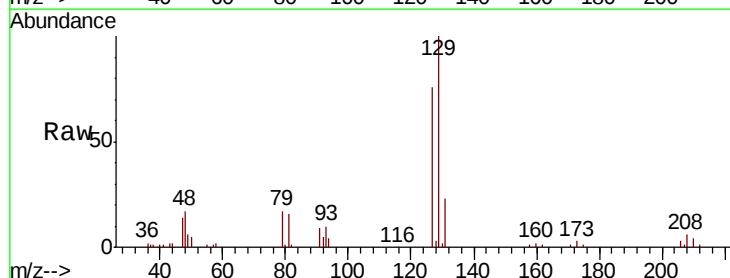
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

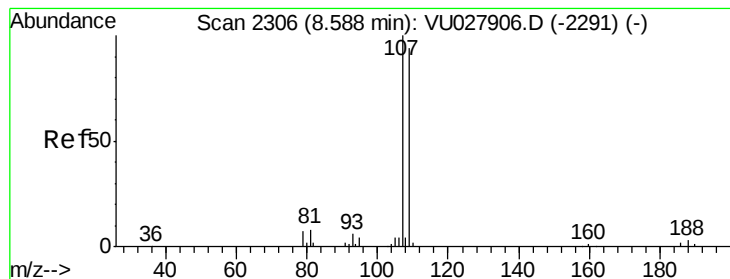
Tgt Ion: 43 Resp: 350860
Ion Ratio Lower Upper
43 100
58 51.1 25.8 77.3



#60
Dibromochloromethane
Concen: 18.918 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion: 129 Resp: 41041
Ion Ratio Lower Upper
129 100
127 75.5 39.2 117.6





#61

1,2-Dibromoethane

Concen: 19.972 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

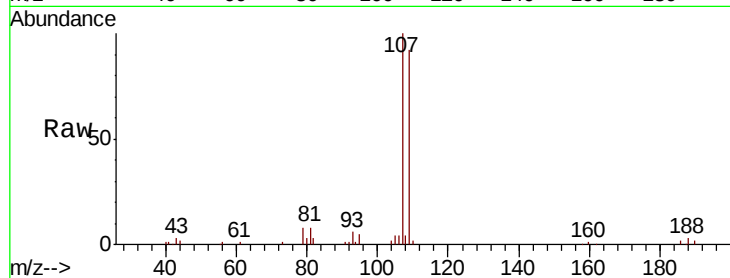
VSTDIC020

Tgt Ion: 107 Resp: 46317

Ion Ratio Lower Upper

107 100

109 94.0 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

30000

25000

20000

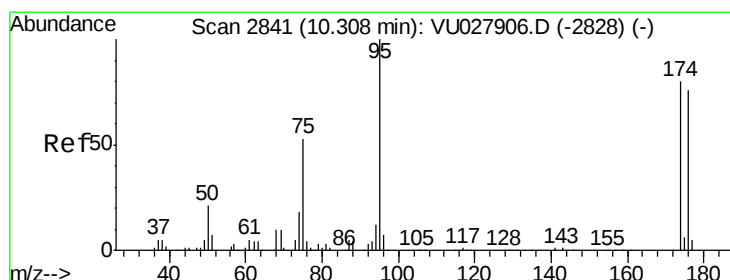
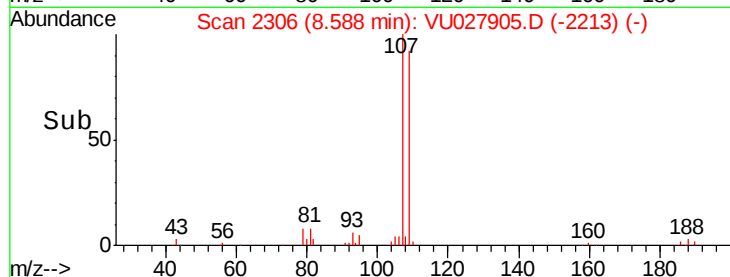
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 17.505 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

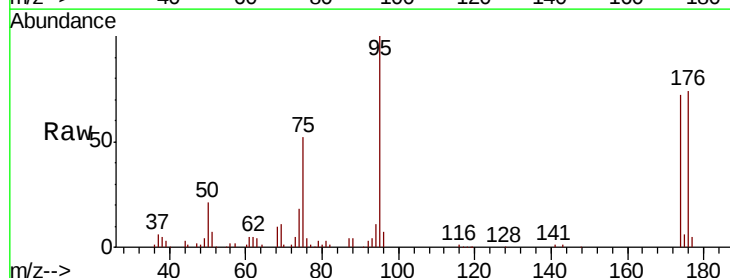
Tgt Ion: 95 Resp: 48047

Ion Ratio Lower Upper

95 100

174 74.2 0.0 156.4

176 74.2 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

40000

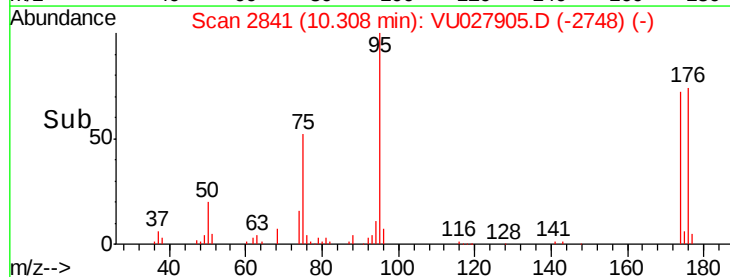
30000

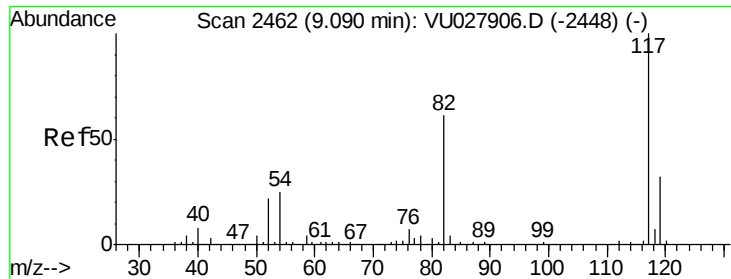
20000

10000

0

Time--> 10.25 10.30 10.35 10.40

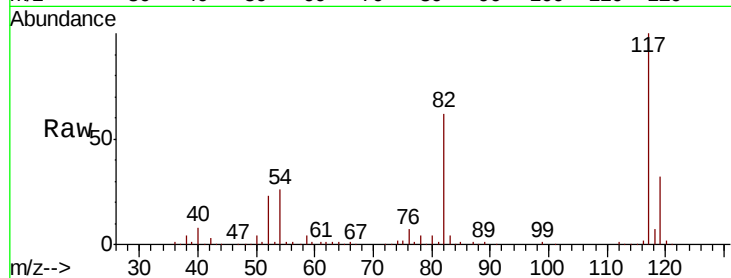




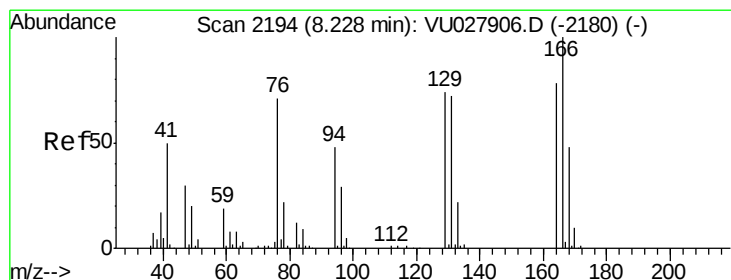
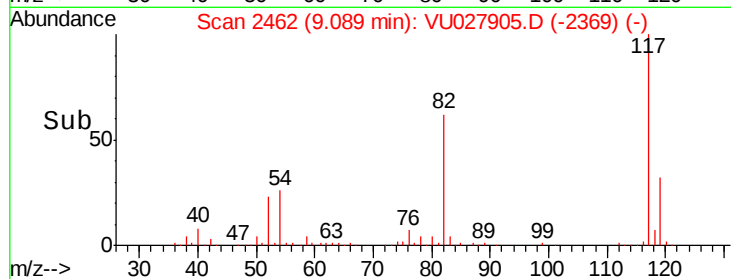
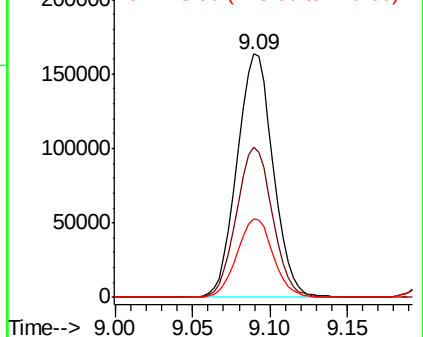
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 264869
Ion Ratio Lower Upper
117 100
82 61.6 48.6 73.0
119 32.3 25.8 38.8

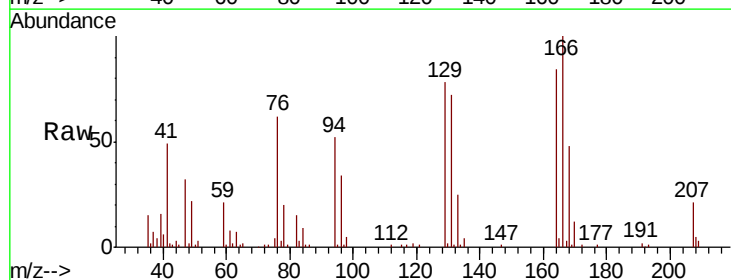


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

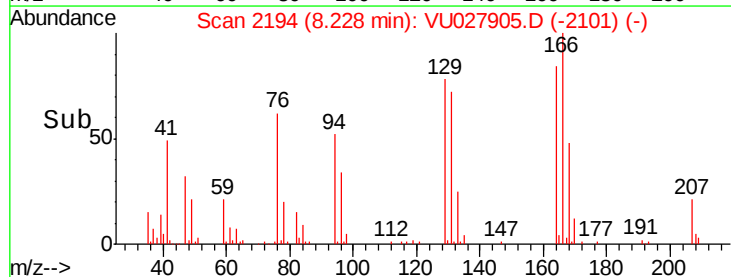
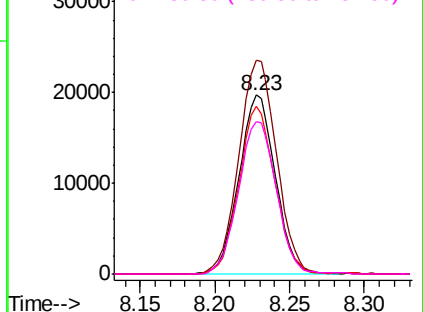


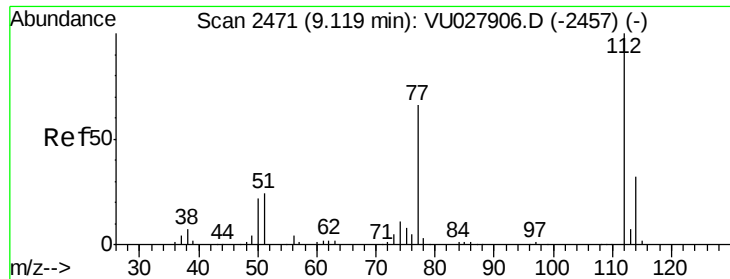
#64
Tetrachloroethene
Concen: 20.203 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion:164 Resp: 33307
Ion Ratio Lower Upper
164 100
166 119.5 102.1 153.1
129 93.5 75.9 113.9
131 85.6 73.0 109.6



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

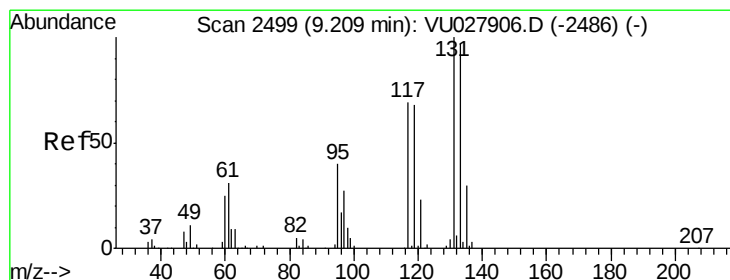
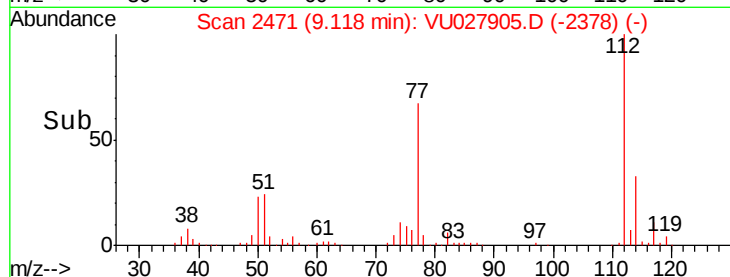
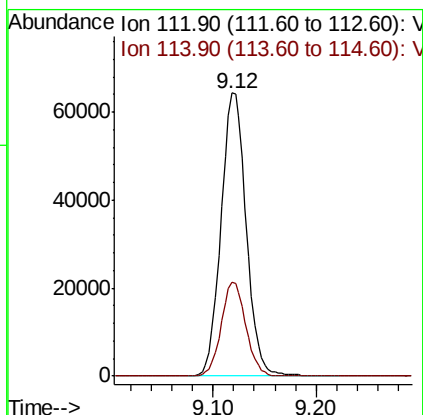
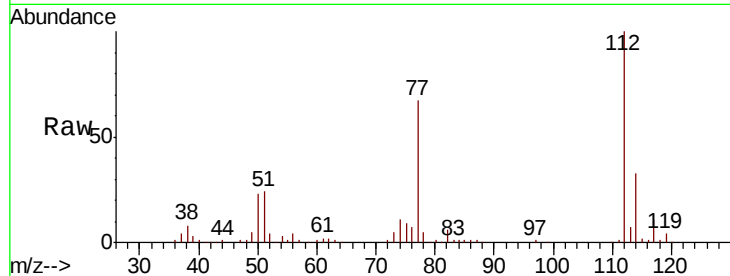




#65
Chlorobenzene
Concen: 19.549 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

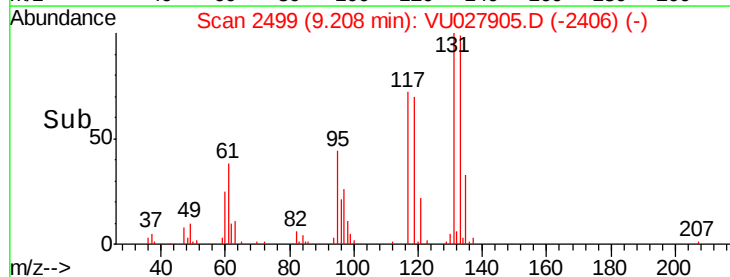
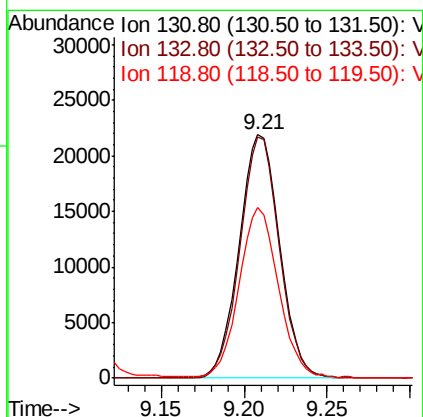
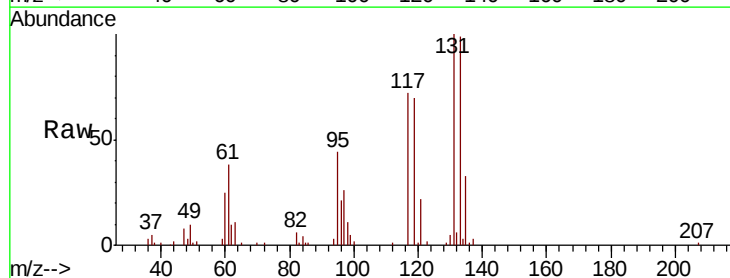
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

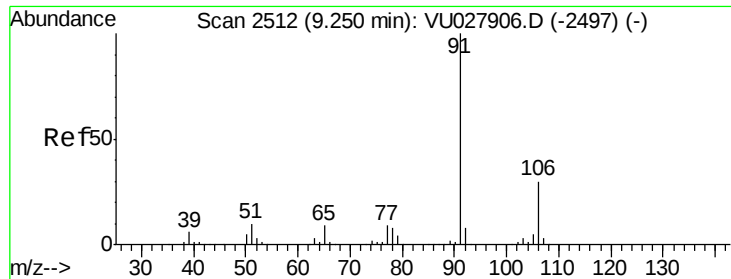
Tgt Ion:112 Resp: 109296
Ion Ratio Lower Upper
112 100
114 33.2 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.266 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion:131 Resp: 37109
Ion Ratio Lower Upper
131 100
133 96.4 48.1 144.4
119 68.8 34.0 101.8

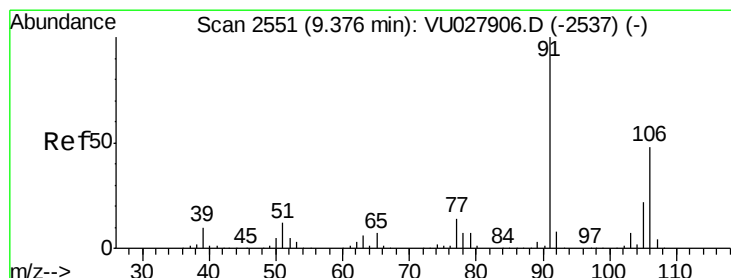
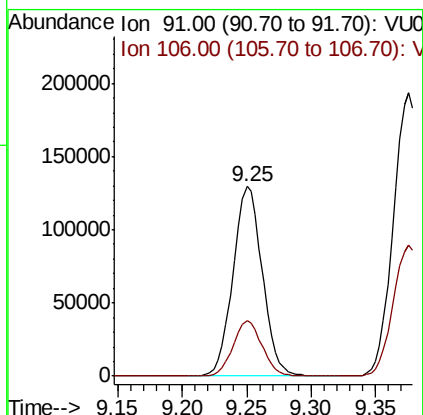
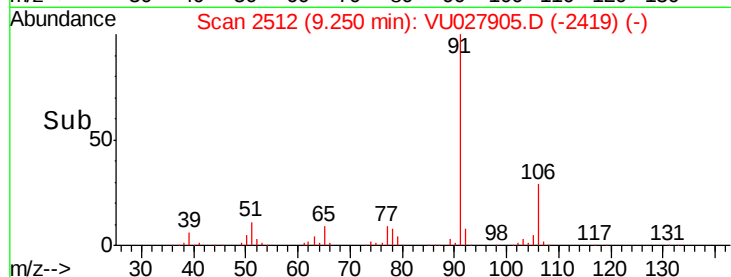
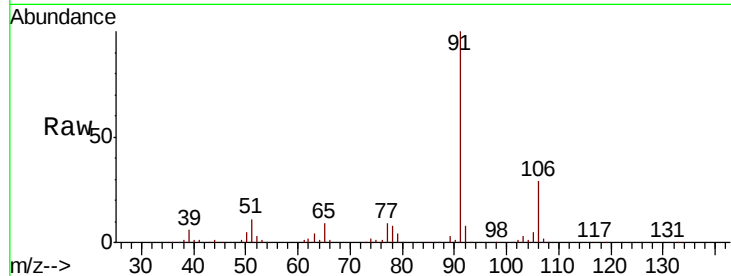




#67
Ethyl Benzene
Concen: 20.668 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

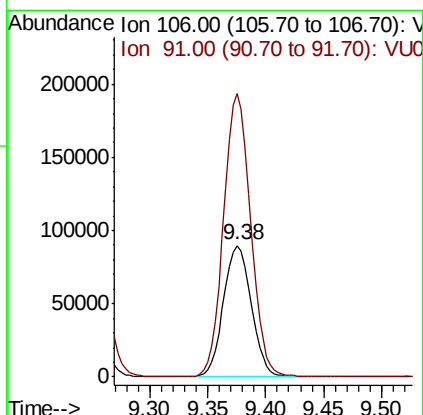
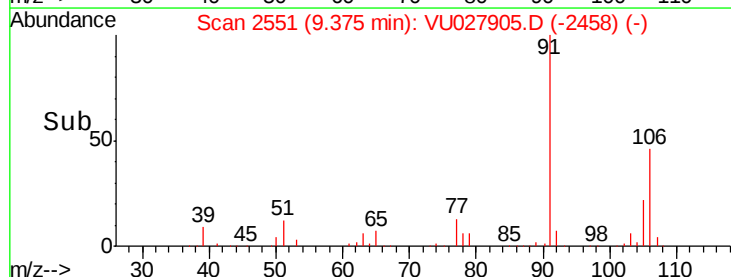
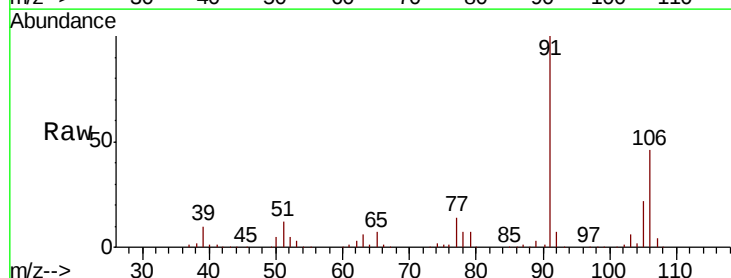
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

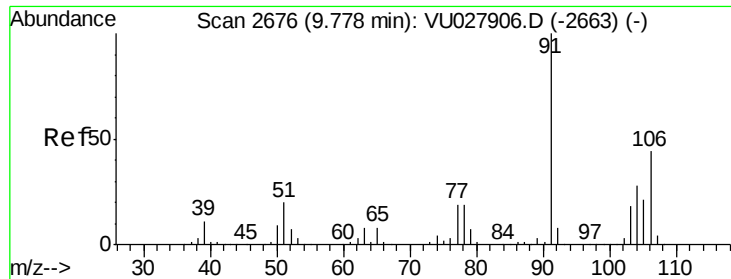
Tgt Ion: 91 Resp: 205090
Ion Ratio Lower Upper
91 100
106 29.3 23.6 35.4



#68
m/p-Xylenes
Concen: 41.268 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion: 106 Resp: 149322
Ion Ratio Lower Upper
106 100
91 207.3 168.2 252.4

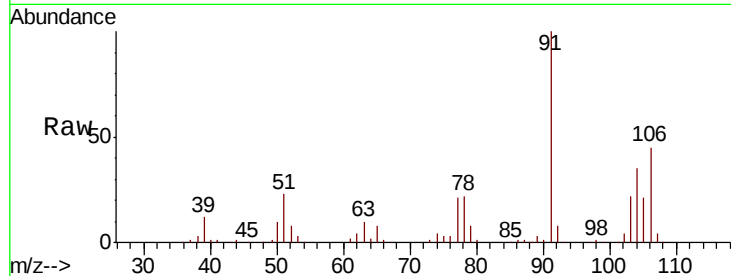




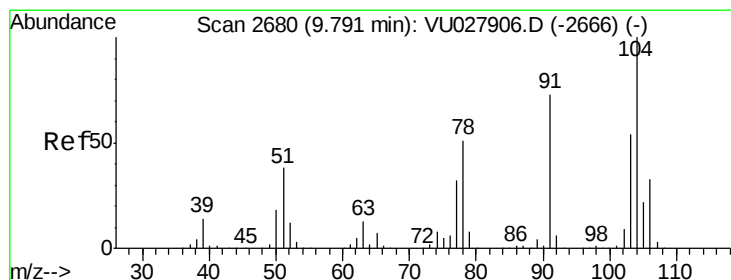
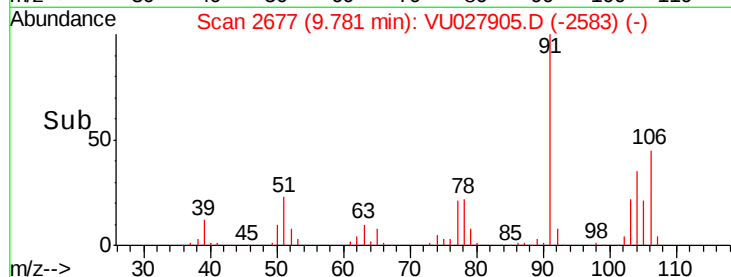
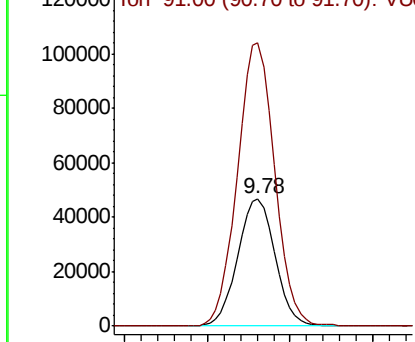
#69
o-Xylene
Concen: 21.266 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 73462
Ion Ratio Lower Upper
106 100
91 222.2 111.1 333.4

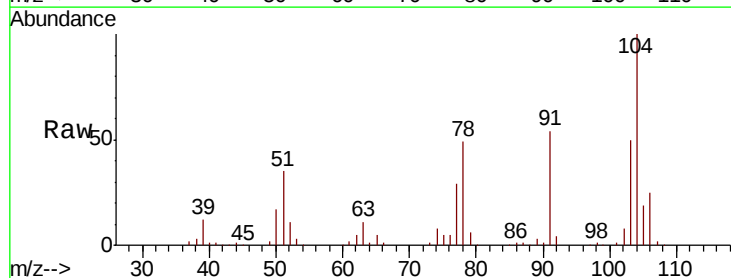


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

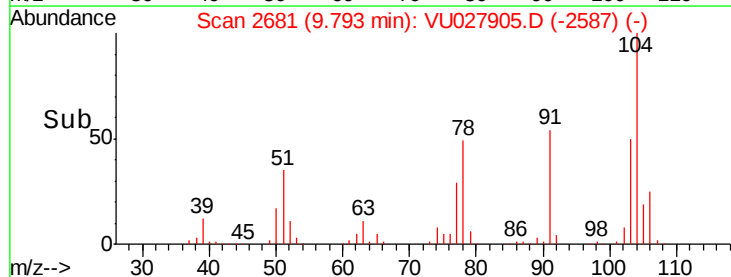
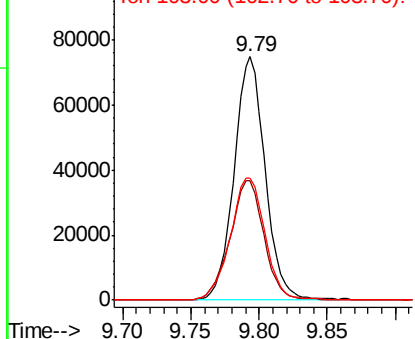


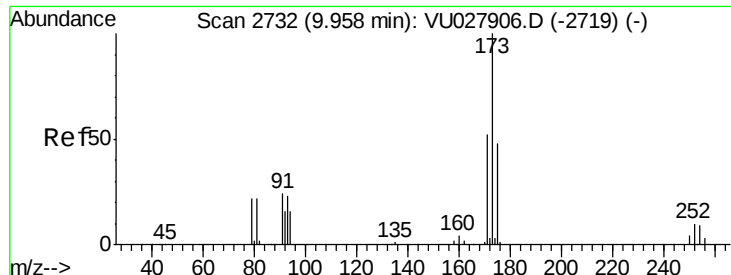
#70
Styrene
Concen: 20.827 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027905.D
Acq: 01 Nov 2018 19:12

Tgt Ion:104 Resp: 118202
Ion Ratio Lower Upper
104 100
78 53.6 43.0 64.4
103 55.9 45.1 67.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.067 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

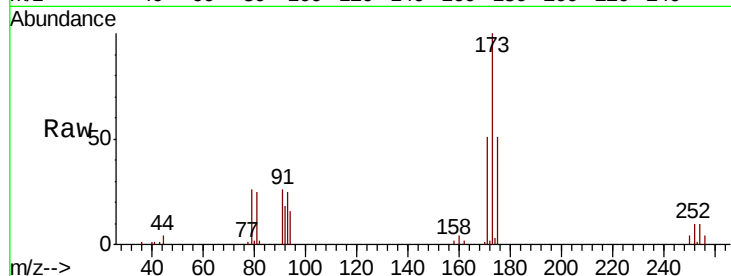
Tgt Ion:173 Resp: 28289

Ion Ratio Lower Upper

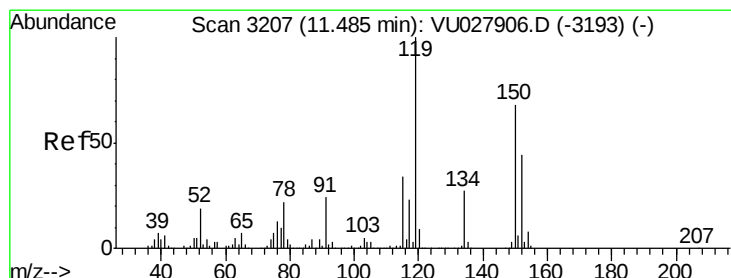
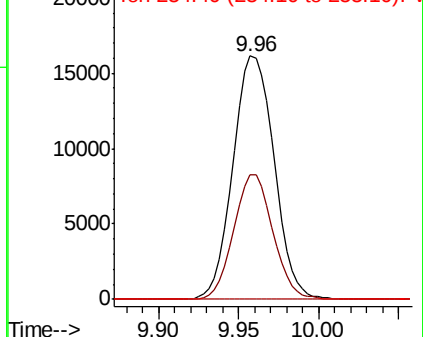
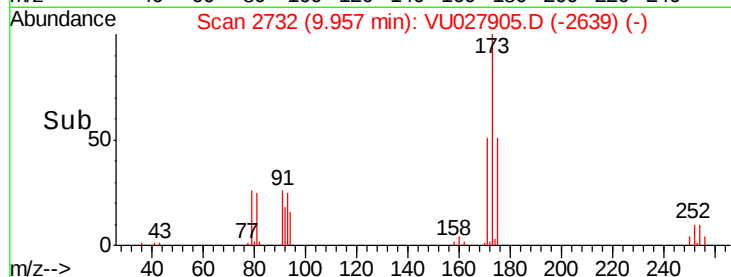
173 100

175 48.5 24.3 72.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

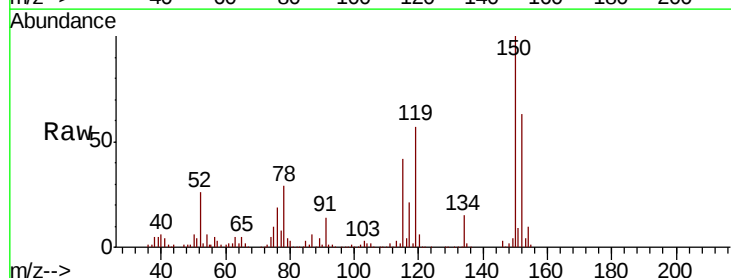
Tgt Ion:152 Resp: 126098

Ion Ratio Lower Upper

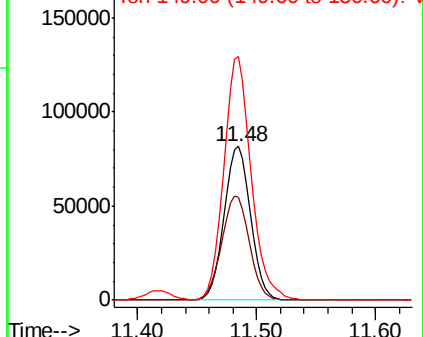
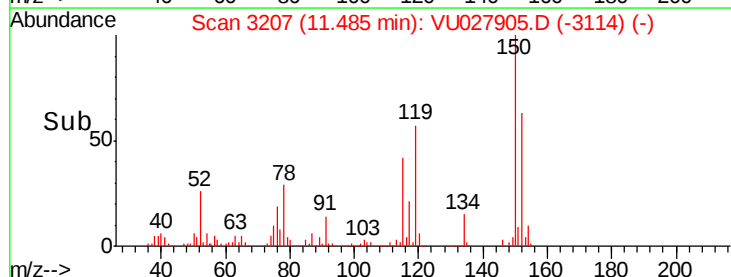
152 100

115 70.9 43.0 129.0

150 162.5 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.065 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

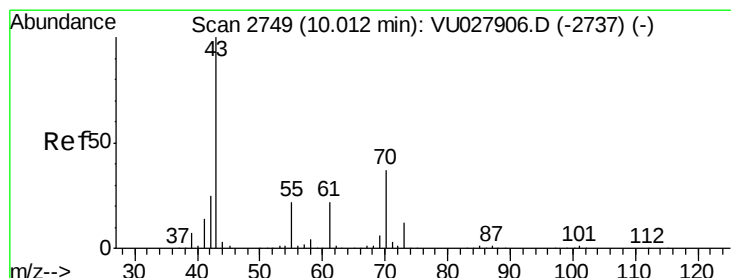
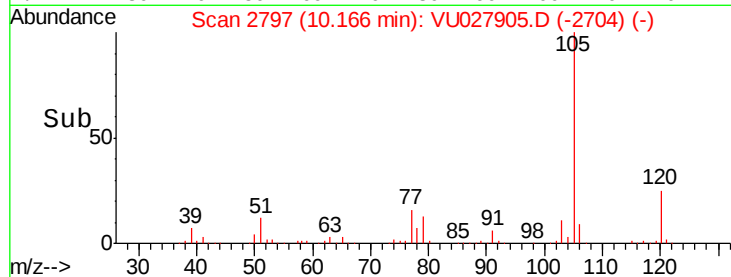
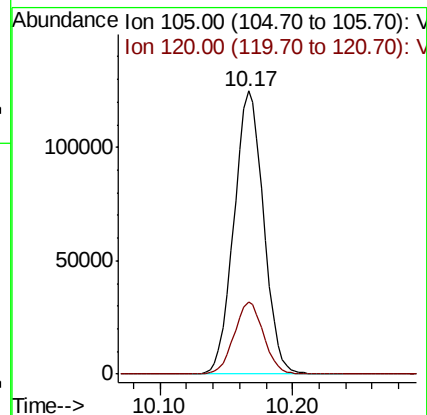
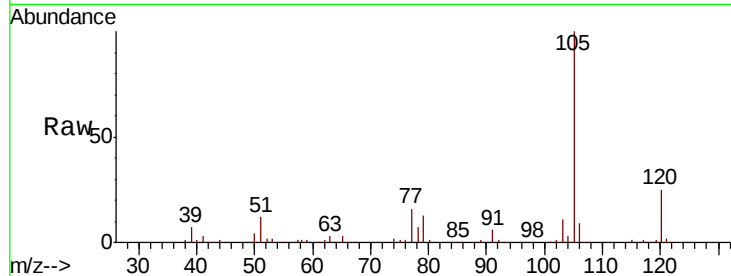
VSTDIC020

Tgt Ion: 105 Resp: 193146

Ion Ratio Lower Upper

105 100

120 25.4 12.7 38.0



#74

N-ethyl acetate

Concen: 21.749 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Tgt Ion: 43 Resp: 116456

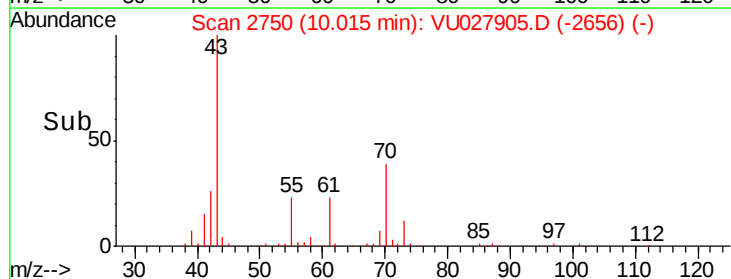
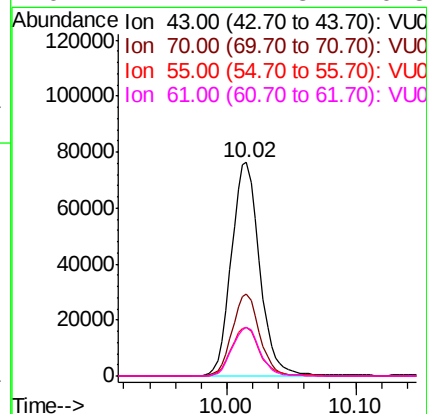
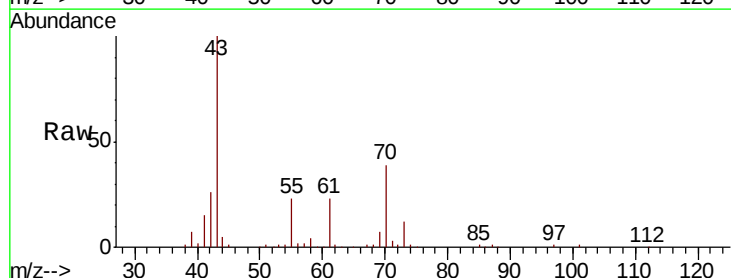
Ion Ratio Lower Upper

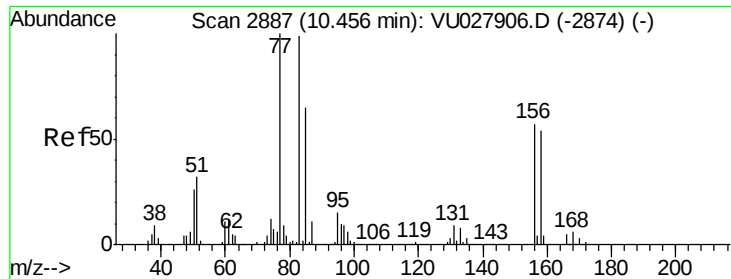
43 100

70 37.3 29.2 43.8

55 23.1 17.8 26.6

61 22.4 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.398 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

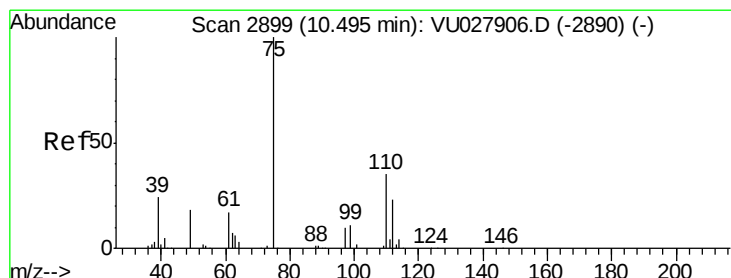
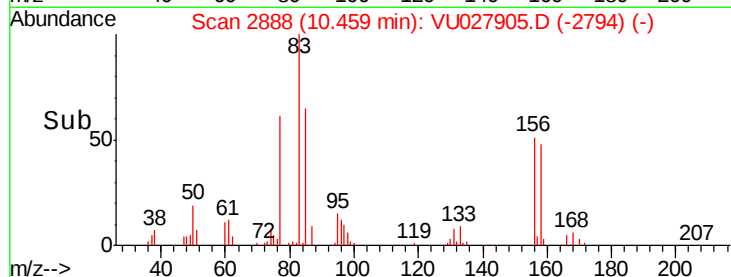
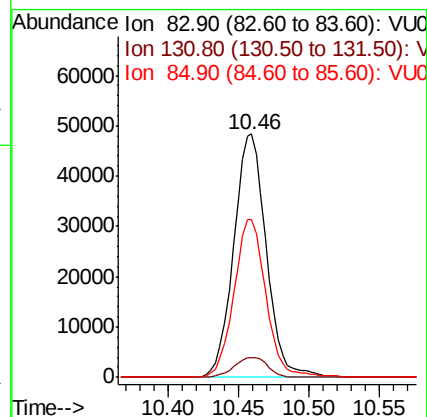
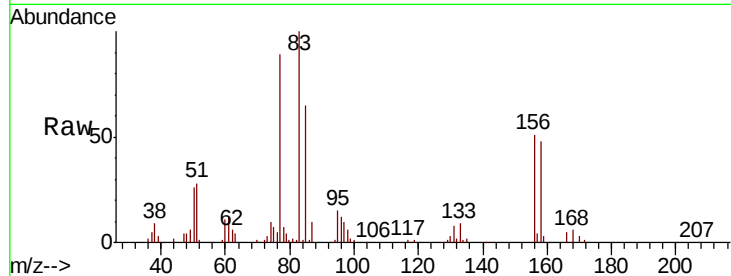
Tgt Ion: 83 Resp: 78211

Ion Ratio Lower Upper

83 100

131 8.5 4.3 13.1

85 63.8 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 27.287 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027905.D

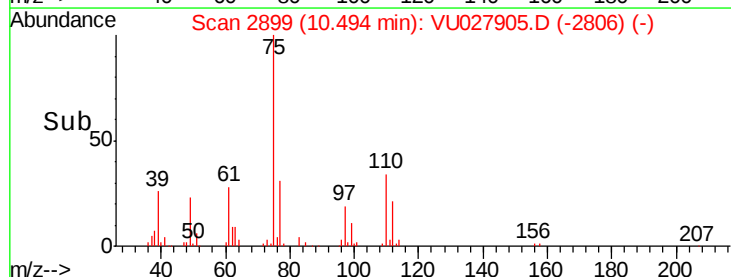
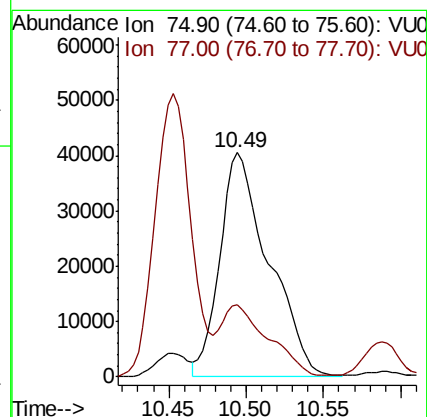
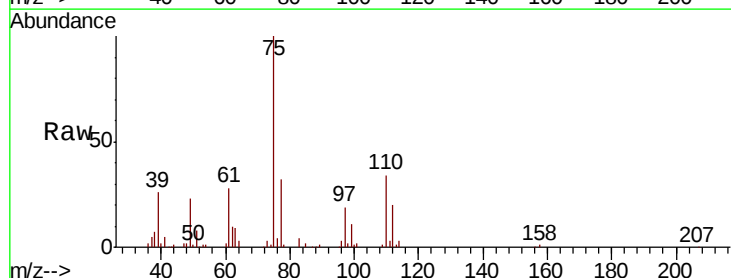
Acq: 01 Nov 2018 19:12

Tgt Ion: 75 Resp: 89212

Ion Ratio Lower Upper

75 100

77 31.4 21.6 64.6





#77

Bromobenzene

Concen: 20.678 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

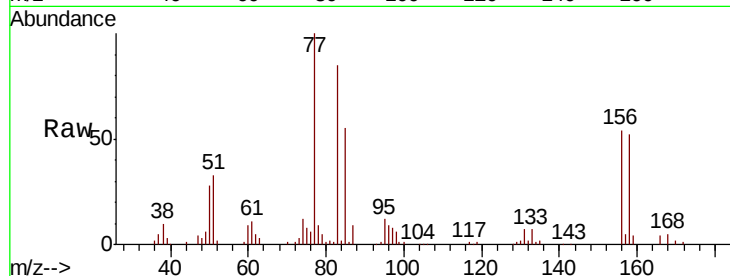
Tgt Ion:156 Resp: 44505

Ion Ratio Lower Upper

156 100

77 187.2 91.8 275.6

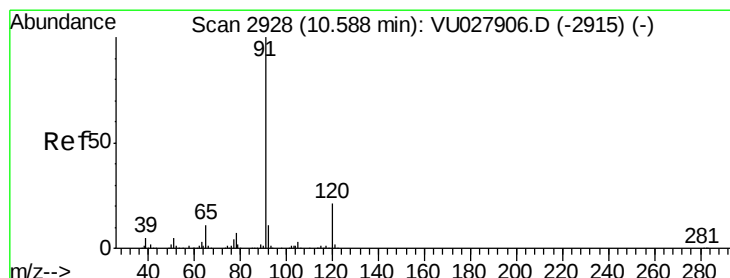
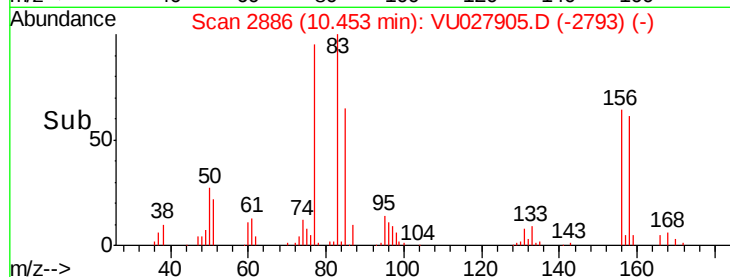
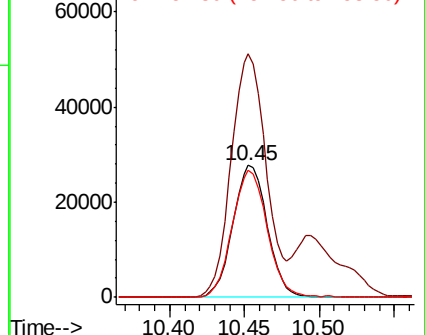
158 97.5 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.146 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027905.D

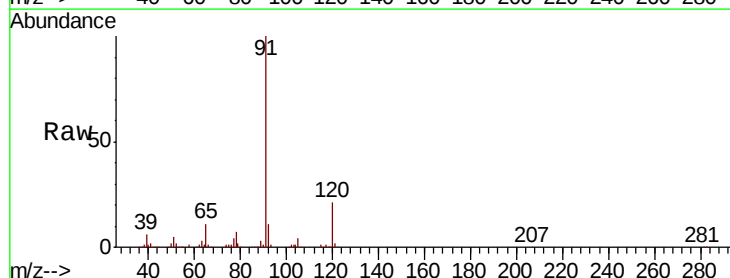
Acq: 01 Nov 2018 19:12

Tgt Ion: 91 Resp: 233224

Ion Ratio Lower Upper

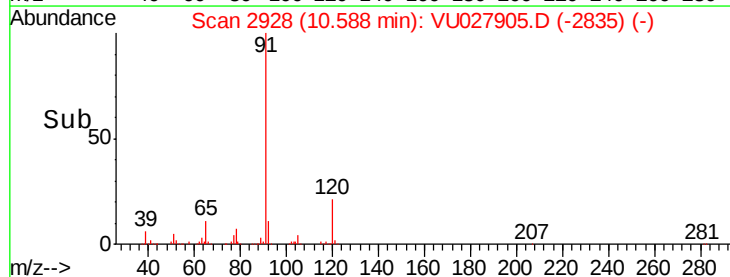
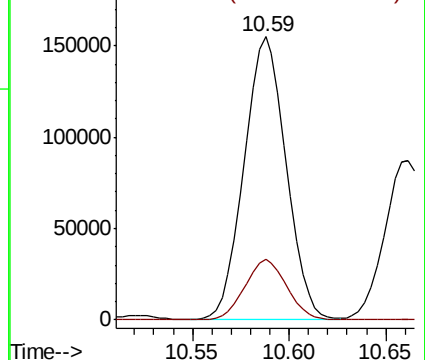
91 100

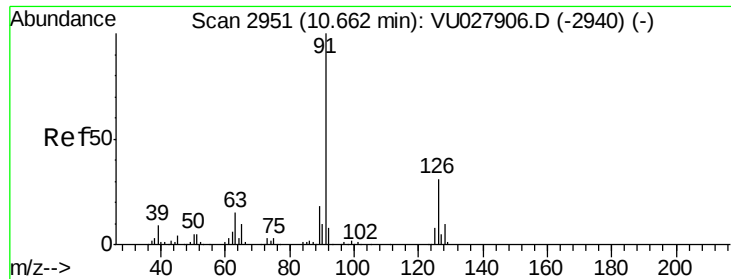
120 21.3 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

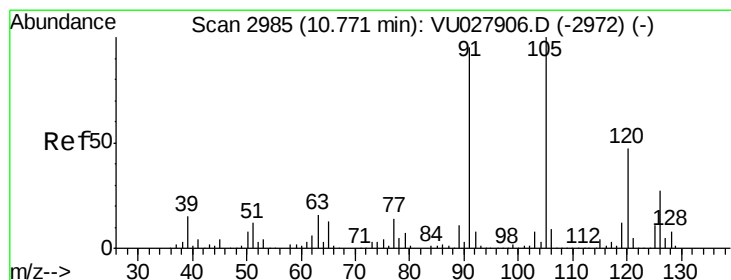
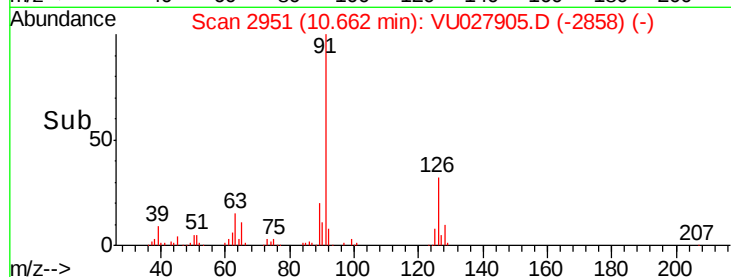
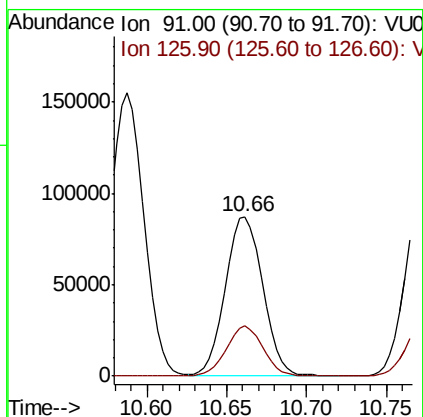
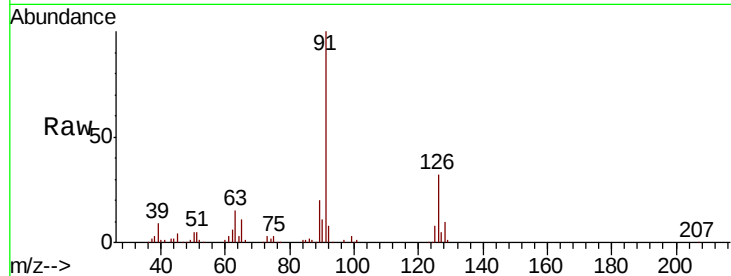




#79
 2-Chlorotoluene
 Concen: 20.779 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

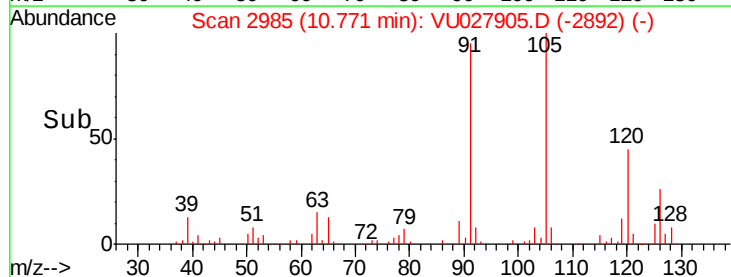
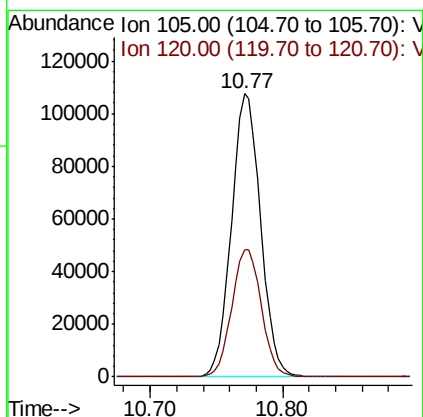
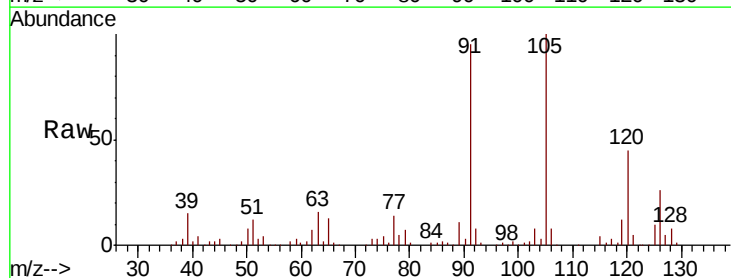
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

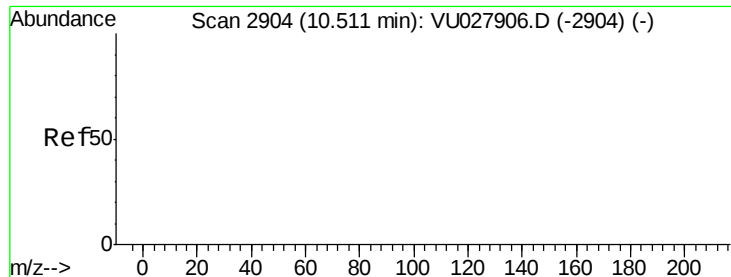
Tgt Ion: 91 Resp: 138386
 Ion Ratio Lower Upper
 91 100
 126 30.8 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 21.832 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion: 105 Resp: 164011
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 70.510 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

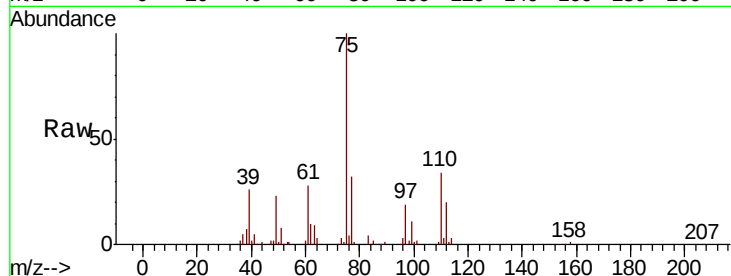
Tgt Ion: 75 Resp: 89212

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

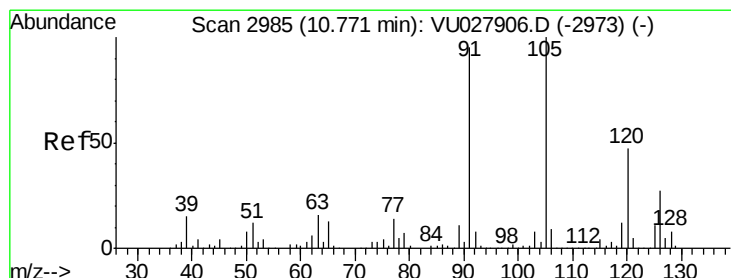
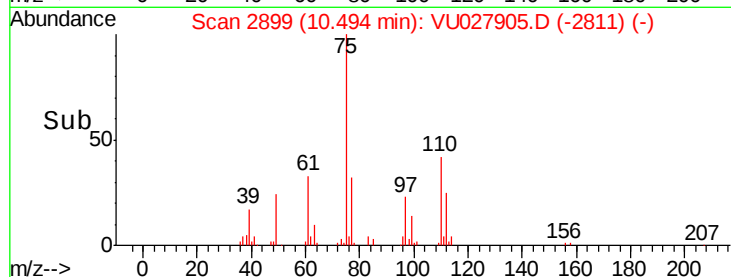
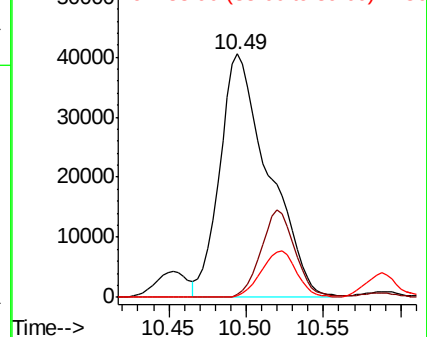
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 20.855 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027905.D

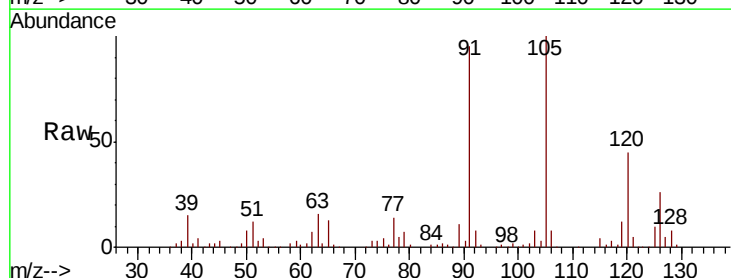
Acq: 01 Nov 2018 19:12

Tgt Ion: 91 Resp: 157156

Ion Ratio Lower Upper

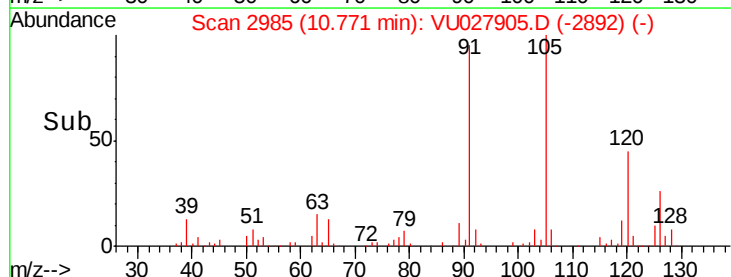
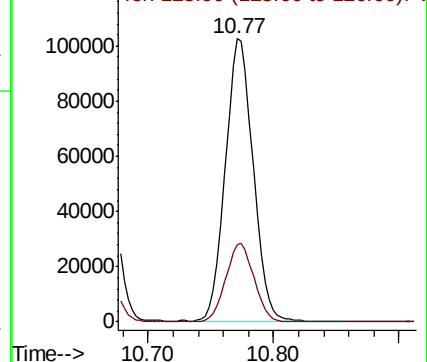
91 100

126 28.4 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

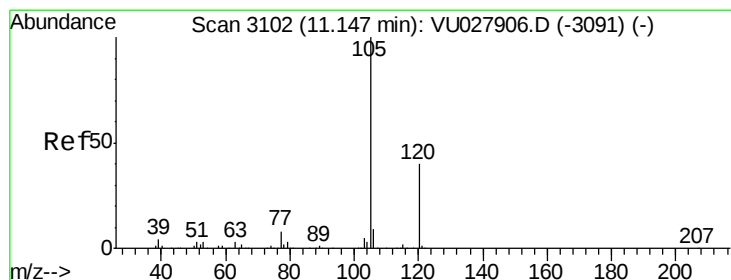
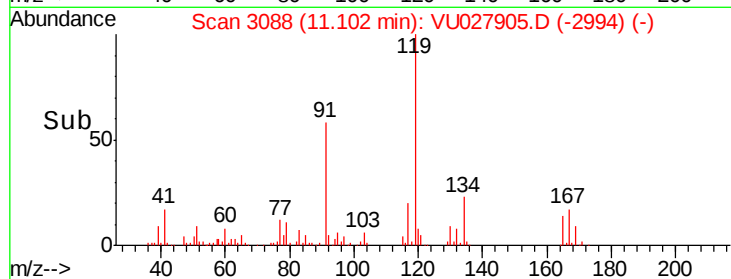
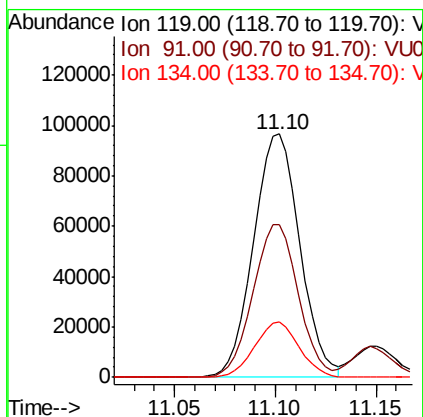
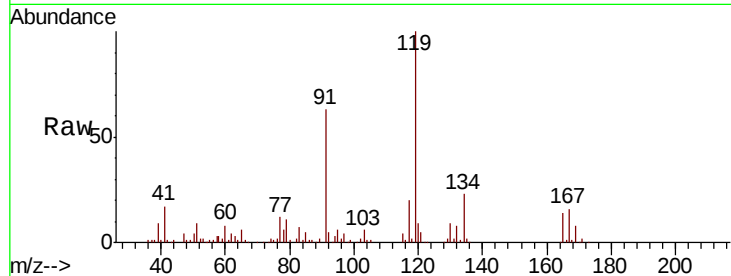




#83
 tert-Butylbenzene
 Concen: 21.367 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

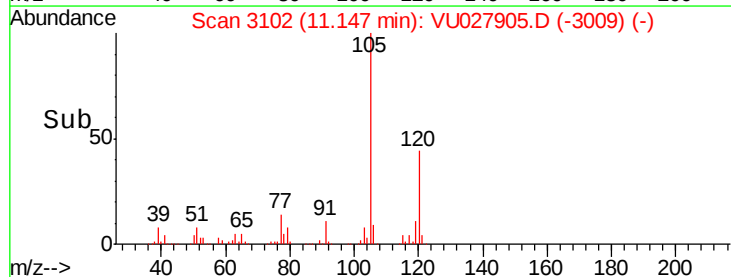
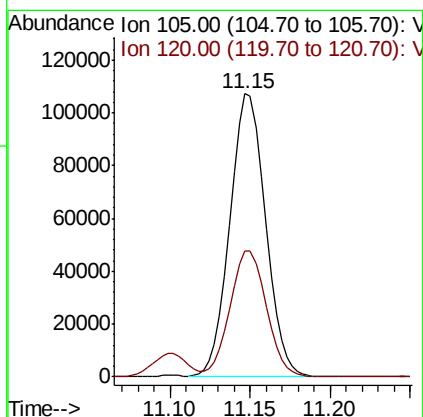
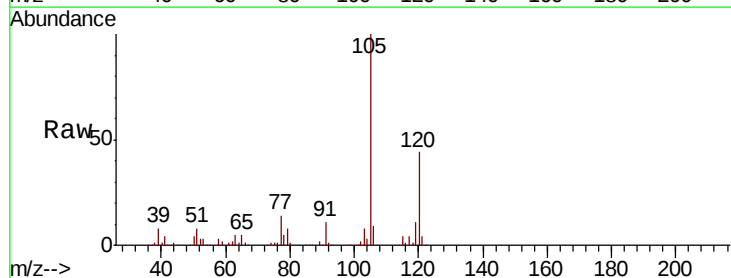
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

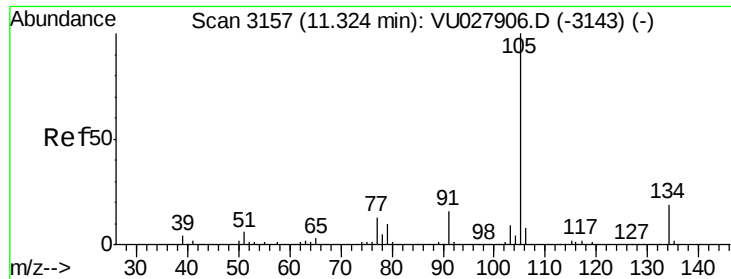
Tgt Ion:119 Resp: 155148
 Ion Ratio Lower Upper
 119 100
 91 61.3 29.8 89.3
 134 21.9 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.207 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion:105 Resp: 162136
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.1 66.1

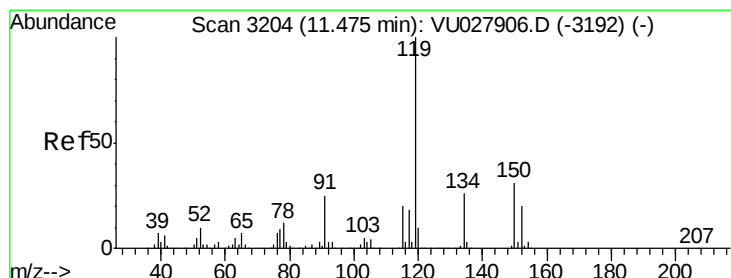
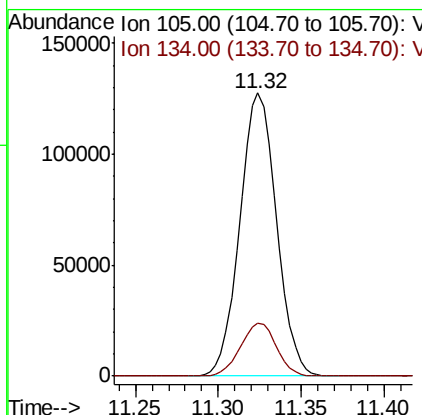
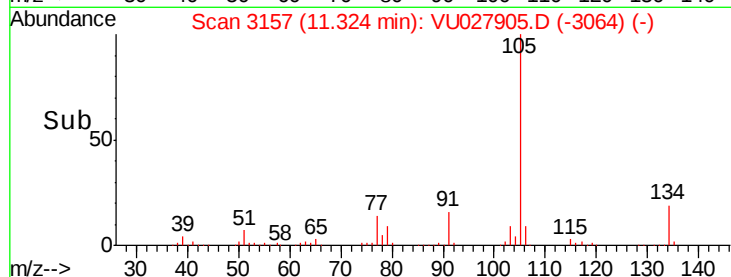
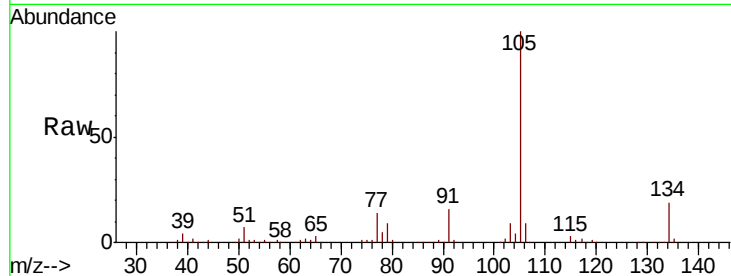




#85
 sec-Butylbenzene
 Concen: 21.450 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

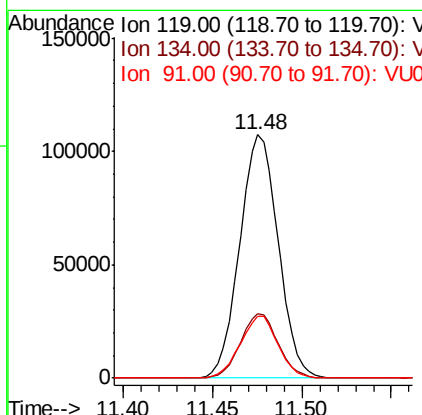
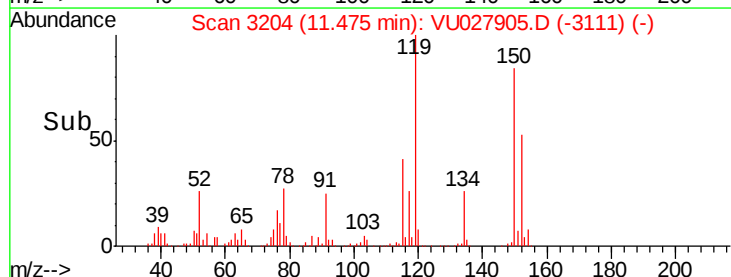
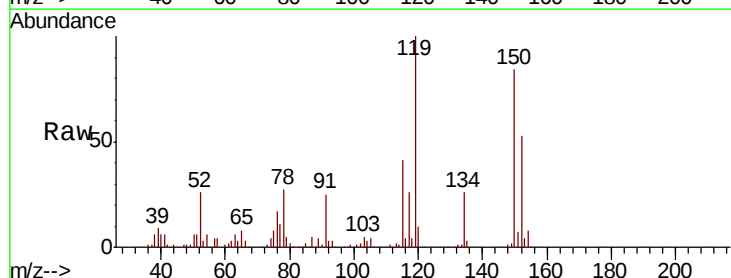
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC020

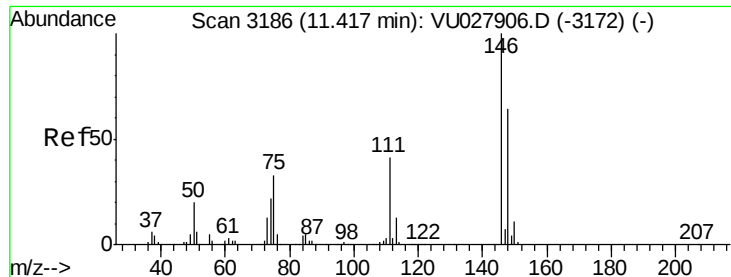
Tgt Ion:105 Resp: 196010
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 20.834 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion:119 Resp: 162163
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.9 38.7
 91 25.1 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 19.836 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

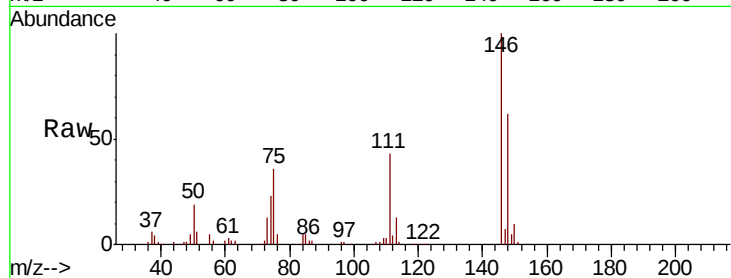
Tgt Ion:146 Resp: 80263

Ion Ratio Lower Upper

146 100

111 42.1 20.3 61.0

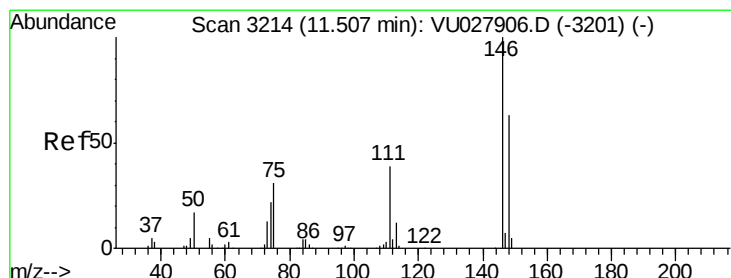
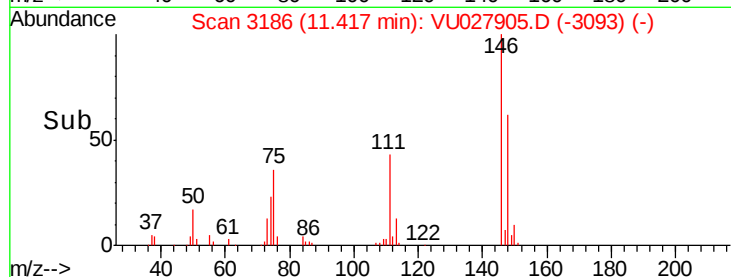
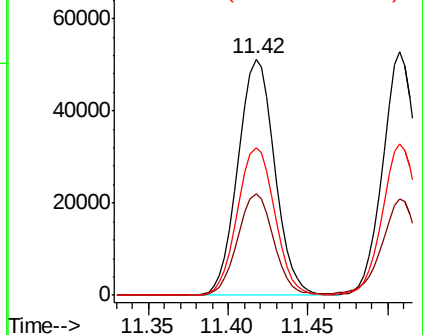
148 63.6 31.8 95.4



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: 19.662 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

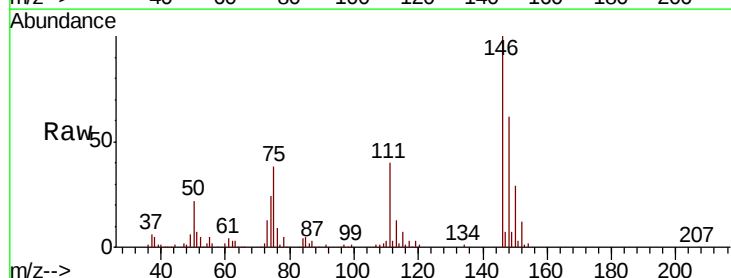
Tgt Ion:146 Resp: 81240

Ion Ratio Lower Upper

146 100

111 40.9 20.3 60.9

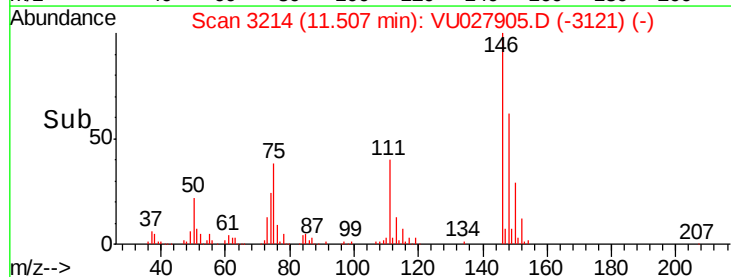
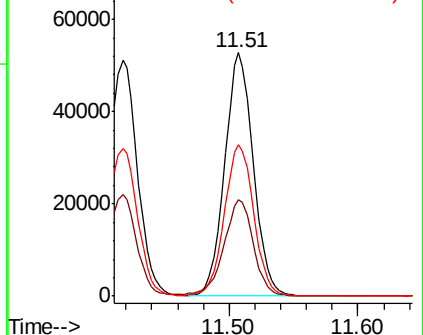
148 63.8 32.0 96.2

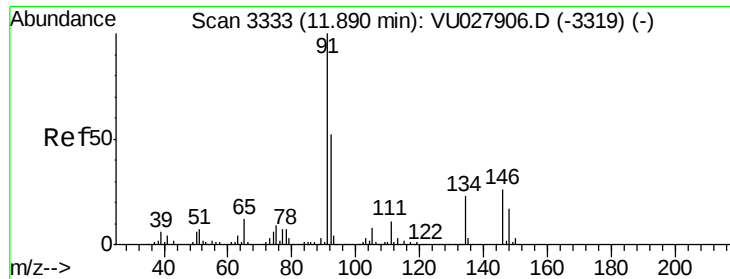


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.915 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

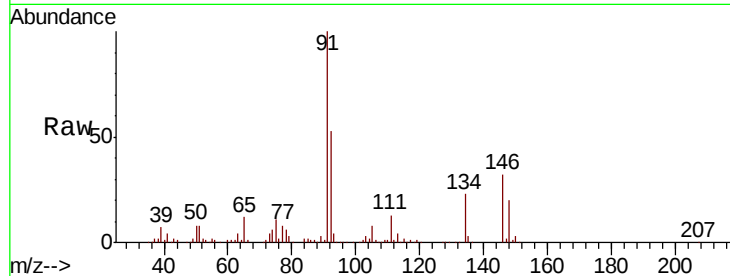
Tgt Ion: 91 Resp: 152823

Ion Ratio Lower Upper

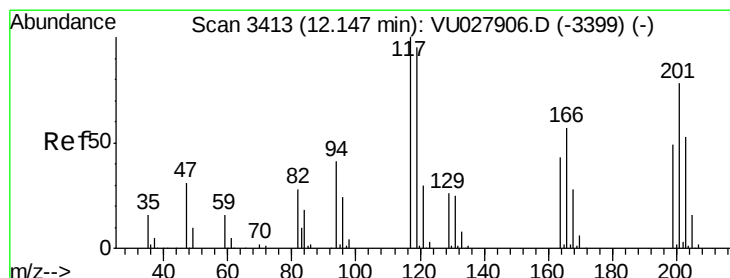
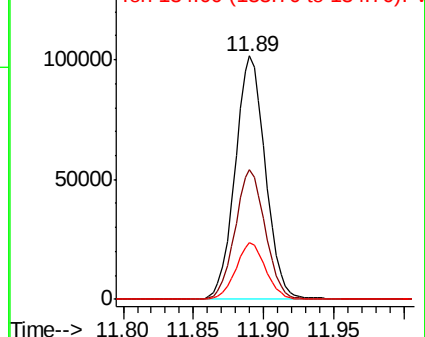
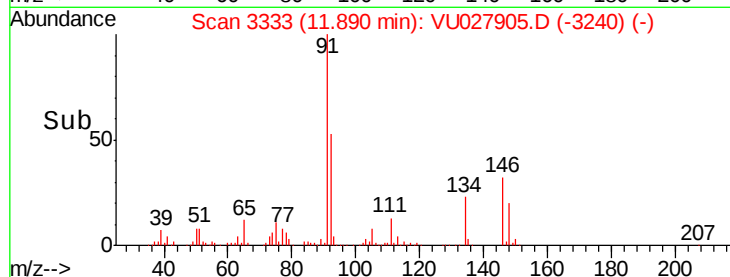
91 100

92 53.0 26.2 78.5

134 22.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VU027905.D (-3240) (-)



#90

Hexachloroethane

Concen: 19.080 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VU027905.D

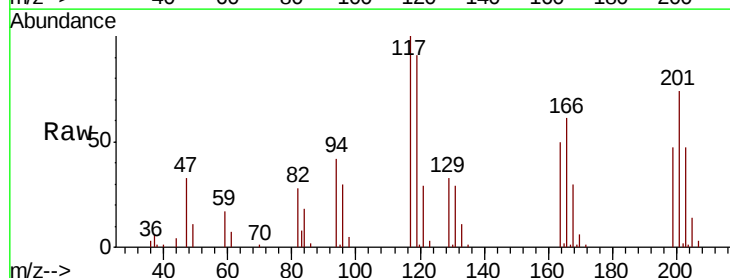
Acq: 01 Nov 2018 19:12

Tgt Ion: 117 Resp: 27919

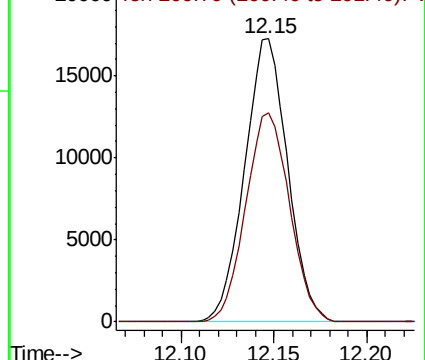
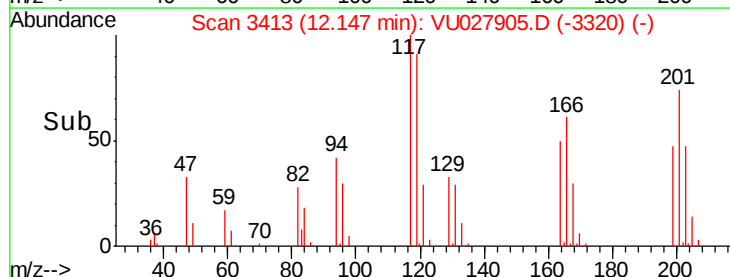
Ion Ratio Lower Upper

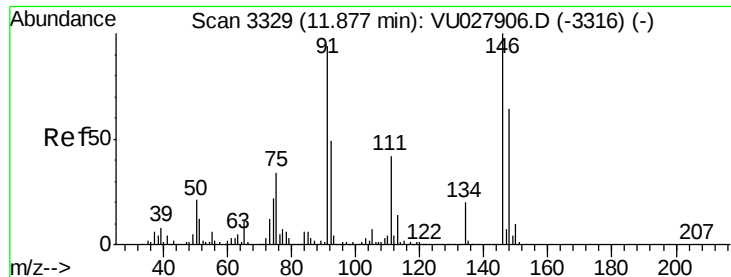
117 100

201 75.4 38.5 115.5



Abundance Ion 116.80 (116.50 to 117.50): VU027905.D (-3320) (-)

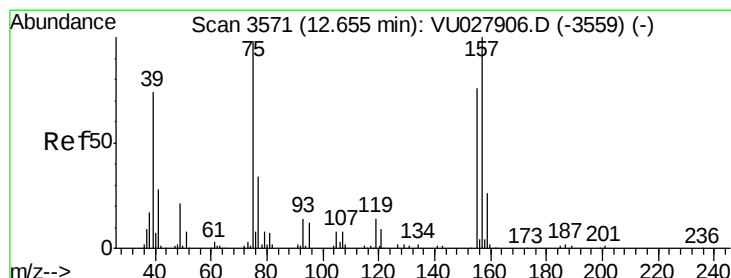
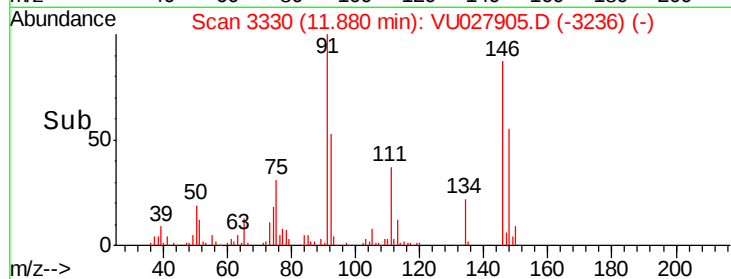
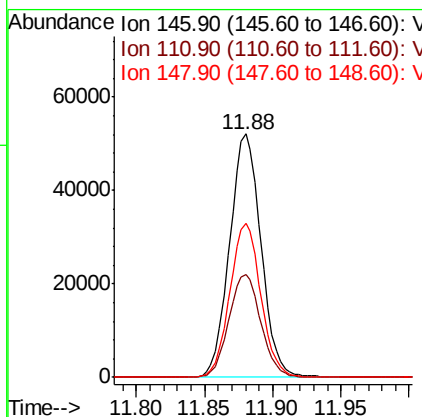
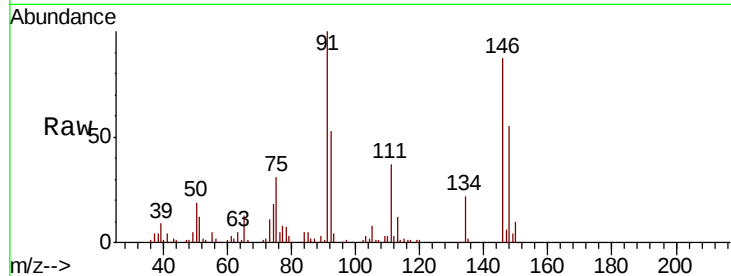




#91
 1,2-Dichlorobenzene
 Concen: 21.048 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

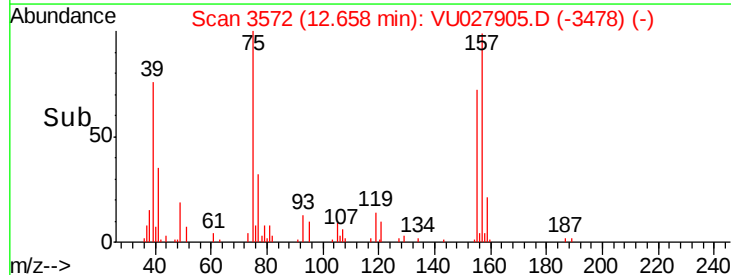
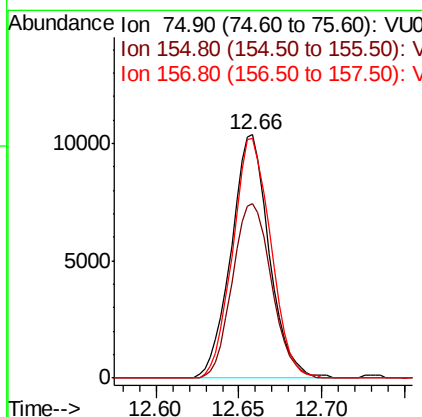
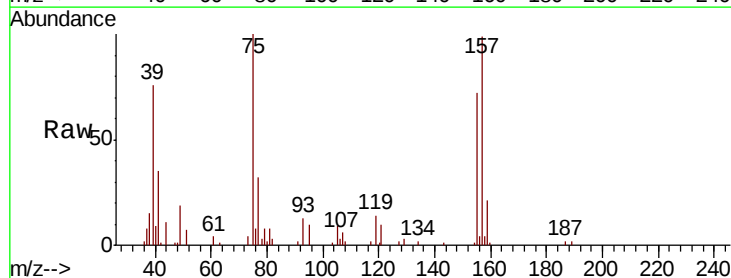
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion:146 Resp: 83343
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.3 64.0
 148 62.2 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.568 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion: 75 Resp: 16519
 Ion Ratio Lower Upper
 75 100
 155 73.9 39.8 119.3
 157 98.8 50.6 151.9

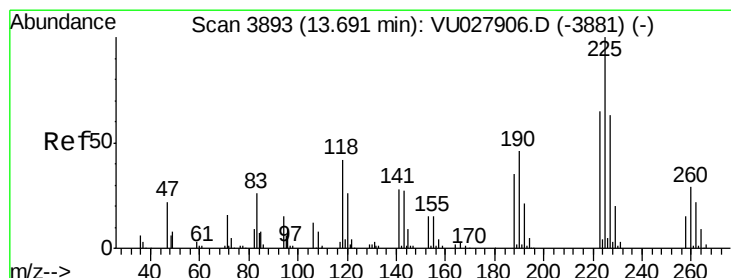
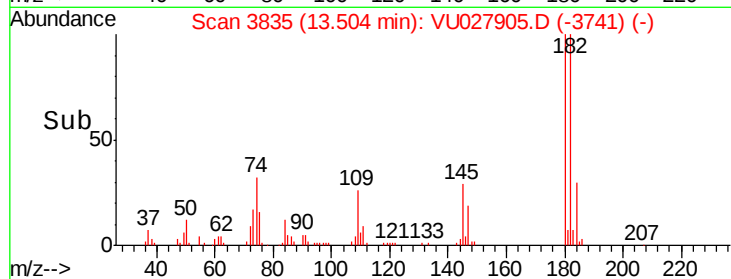
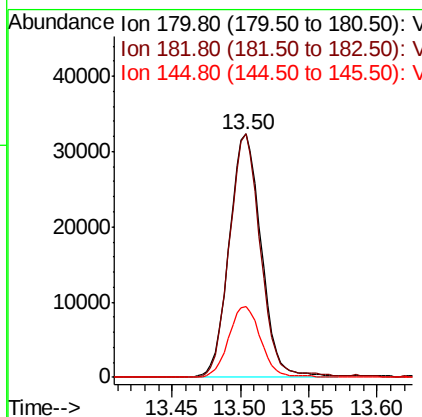
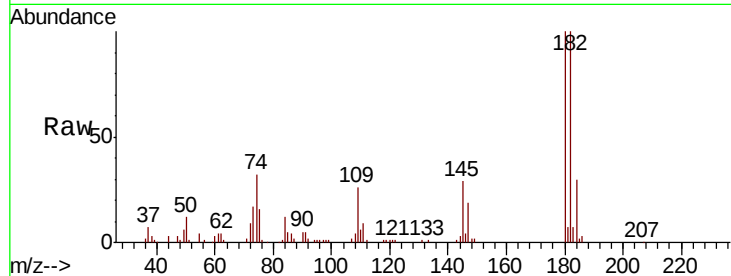




#93
 1,2,4-Trichlorobenzene
 Concen: 20.530 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

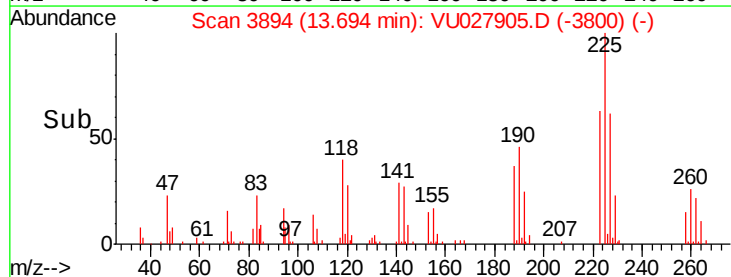
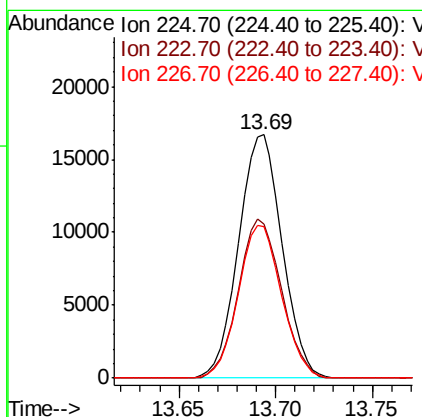
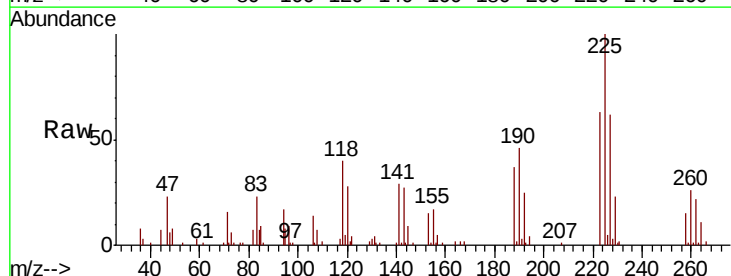
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

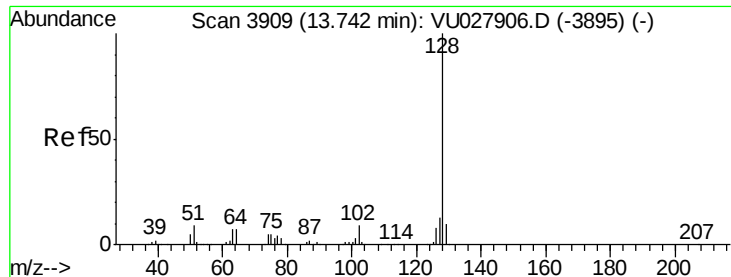
Tgt Ion:180 Resp: 52665
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.4 145.2
 145 29.2 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 20.255 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027905.D
 Acq: 01 Nov 2018 19:12

Tgt Ion:225 Resp: 26098
 Ion Ratio Lower Upper
 225 100
 223 64.7 32.2 96.6
 227 62.4 32.5 97.4





#95

Naphthalene

Concen: 22.070 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

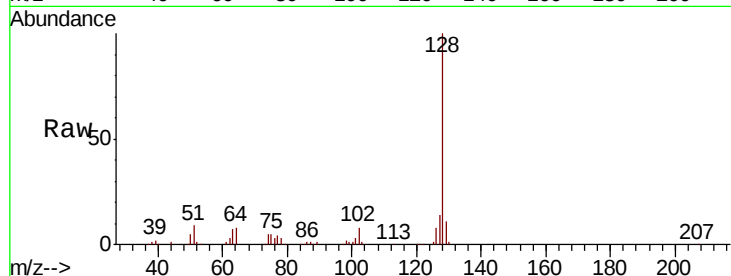
Tgt Ion:128 Resp: 192954

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

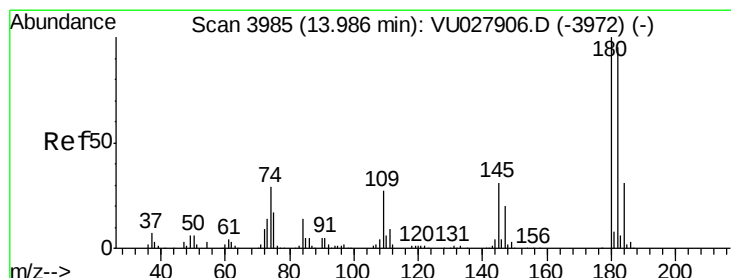
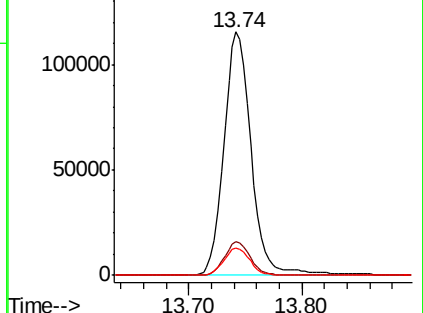
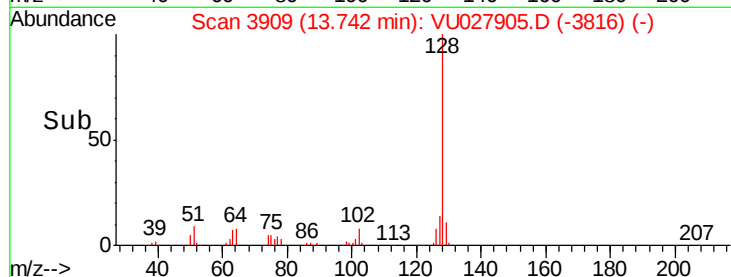
129 10.5 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.113 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU027905.D

Acq: 01 Nov 2018 19:12

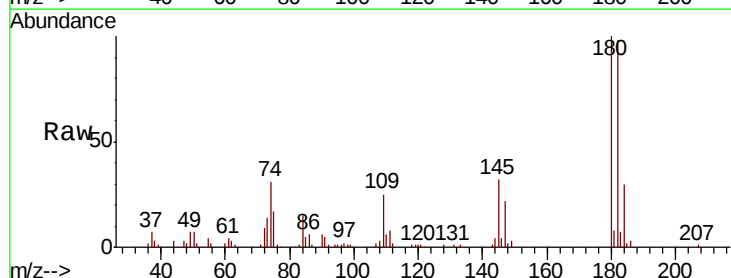
Tgt Ion:180 Resp: 56659

Ion Ratio Lower Upper

180 100

182 97.3 47.4 142.3

145 31.1 16.0 47.9



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

