

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070918\
 Data File : VU025273.D
 Acq On : 09 Jul 2018 14:54
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 10 01:17:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 01:16:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	158845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	235872	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	219605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	126242	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	50998	20.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.32%	
35) Dibromofluoromethane	4.89	113	41068	20.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.28%	
50) Toluene-d8	7.57	98	137953	20.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.50%	
62) 4-Bromofluorobenzene	10.31	95	52421	19.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	31409	19.106	ug/l	99
3) Chloromethane	1.33	50	33380	17.944	ug/l	97
4) Vinyl Chloride	1.40	62	33565	18.580	ug/l	100
5) Bromomethane	1.63	94	23862	18.081	ug/l	94
6) Chloroethane	1.70	64	22530	17.895	ug/l	100
7) Trichlorofluoromethane	1.89	101	54554	19.216	ug/l	98
8) Diethyl Ether	2.10	74	20583	19.320	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	33590	19.092	ug/l	99
10) Methyl Iodide	2.41	142	27898	16.407	ug/l	97
11) Tert butyl alcohol	2.82	59	54972	90.880	ug/l	99
12) 1,1-Dichloroethene	2.28	96	31113	19.323	ug/l	95
13) Acrolein	2.19	56	37684	100.321	ug/l	92
14) Allyl chloride	2.59	41	53273	18.244	ug/l	99
15) Acrylonitrile	2.94	53	107036	96.703	ug/l	98
16) Acetone	2.32	43	132560	99.472	ug/l	100
17) Carbon Disulfide	2.48	76	86809	17.405	ug/l	99
18) Methyl Acetate	2.62	43	49834	19.723	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	116877	19.083	ug/l	99
20) Methylene Chloride	2.70	84	37007	16.902	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	34030	18.494	ug/l	96
22) Diisopropyl ether	3.57	45	113345	19.006	ug/l	96
23) Vinyl Acetate	3.53	43	505390	96.607	ug/l	100
24) 1,1-Dichloroethane	3.45	63	66023	19.631	ug/l	100
25) 2-Butanone	4.26	43	170338	99.582	ug/l	99
26) 2,2-Dichloropropane	4.23	77	61125	18.902	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	39268	18.444	ug/l	97
28) Bromochloromethane	4.55	49	38256	23.556	ug/l	98
29) Tetrahydrofuran	4.63	42	100291	97.750	ug/l	98
30) Chloroform	4.68	83	67875	19.057	ug/l	96
31) Cyclohexane	5.00	56	60333	16.146	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	62383	19.326	ug/l	100
36) 1,1-Dichloropropene	5.14	75	48264	18.405	ug/l	98
37) Ethyl Acetate	4.38	43	59064	20.197	ug/l	99
38) Carbon Tetrachloride	5.14	117	53627	19.000	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	61921	18.931	ug/l	95
40) Benzene	5.39	78	144322	19.098	ug/l	96
41) Methacrylonitrile	4.54	41	31548	19.457	ug/l	99
42) 1,2-Dichloroethane	5.41	62	60166	20.029	ug/l	99
43) Isopropyl Acetate	5.55	43	91408	19.518	ug/l	99
44) Trichloroethene	6.19	130	39622	18.260	ug/l	99
45) 1,2-Dichloropropane	6.44	63	37539	18.966	ug/l	100
46) Dibromomethane	6.56	93	27116	18.825	ug/l	99
47) Bromodichloromethane	6.76	83	50908	19.025	ug/l	97
48) Methyl methacrylate	6.62	41	45453	19.469	ug/l	98
49) 1,4-Dioxane	6.62	88	23487	418.087	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	296891	97.538	ug/l	100
52) Toluene	7.64	92	90886	18.904	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	54391	18.501	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	58586	18.724	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	37912	18.934	ug/l	98
56) Ethyl methacrylate	8.02	69	58586	18.733	ug/l	98
57) 1,3-Dichloropropane	8.25	76	62807	18.895	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	134513	121.888	ug/l	99
59) 2-Hexanone	8.36	43	240355	97.351	ug/l	99
60) Dibromochloromethane	8.48	129	40134	18.560	ug/l	98
61) 1,2-Dibromoethane	8.59	107	41001	19.137	ug/l	100
64) Tetrachloroethene	8.23	164	38824	19.394	ug/l	97
65) Chlorobenzene	9.12	112	102538	18.691	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	38144	19.438	ug/l	99
67) Ethyl Benzene	9.25	91	176731	18.896	ug/l	98
68) m/p-Xylenes	9.38	106	137789	38.107	ug/l	98
69) o-Xylene	9.78	106	67796	18.728	ug/l	95
70) Styrene	9.80	104	106278	18.482	ug/l	99
71) Bromoform	9.96	173	31099	18.324	ug/l #	98
73) Isopropylbenzene	10.17	105	184694	19.148	ug/l	99
74) N-amyl acetate	10.01	43	76476	18.264	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	61480	19.482	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	71985	25.278	ug/l	84
77) Bromobenzene	10.46	156	46424	18.813	ug/l	99
78) n-propylbenzene	10.59	91	206450	19.288	ug/l	100
79) 2-Chlorotoluene	10.66	91	125647	18.758	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	160169	19.734	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	71985	69.396	ug/l #	100
82) 4-Chlorotoluene	10.78	91	141713	18.698	ug/l	99
83) tert-Butylbenzene	11.10	119	158862	19.370	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	159929	19.226	ug/l	98
85) sec-Butylbenzene	11.33	105	190742	19.752	ug/l	100
86) p-Isopropyltoluene	11.48	119	168779	19.738	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	83939	18.613	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	83087	17.938	ug/l	95
89) n-Butylbenzene	11.89	91	135150	19.227	ug/l	99
90) Hexachloroethane	12.15	117	28262	19.520	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	84997	18.662	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	15620	20.408	ug/l	93

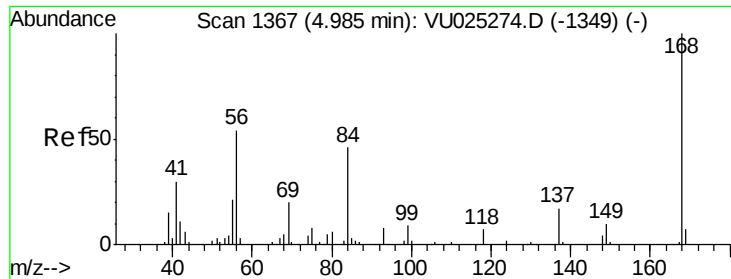
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	52255	17.511	ug/l	99
94) Hexachlorobutadiene	13.70	225	31073	19.076	ug/l	99
95) Naphthalene	13.75	128	160491	15.633	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	54970	17.082	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

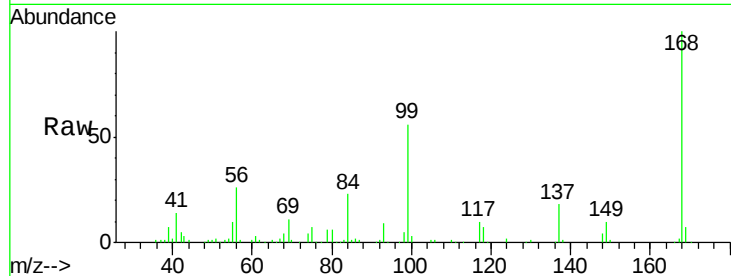
VSTDIC020

Tgt Ion:168 Resp: 158845

Ion Ratio Lower Upper

168 100

99 55.7 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

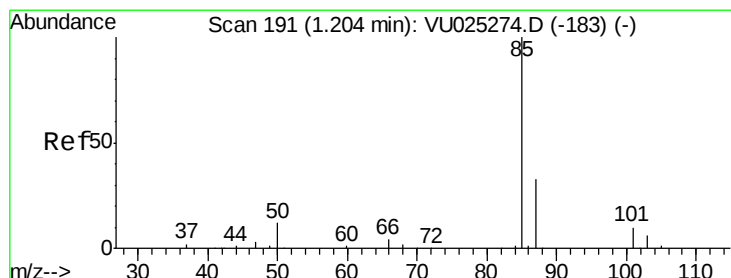
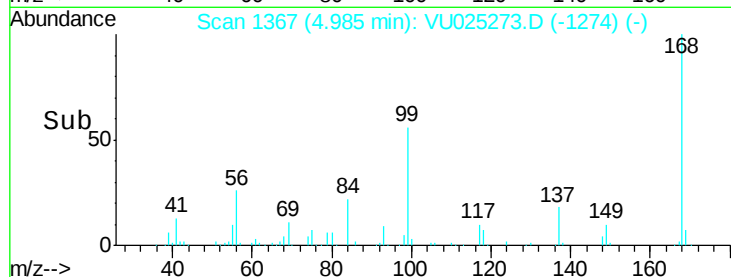
40000

20000

0

Time-->

4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 19.106 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025273.D

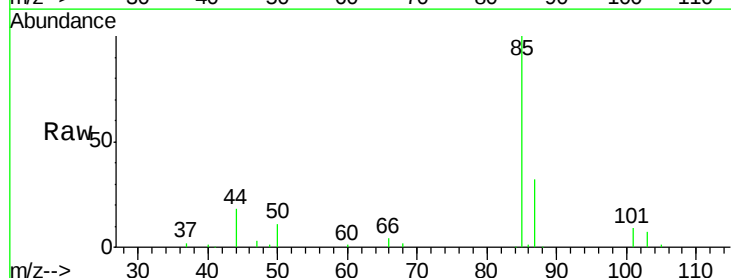
Acq: 09 Jul 2018 14:54

Tgt Ion: 85 Resp: 31409

Ion Ratio Lower Upper

85 100

87 32.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.21

30000

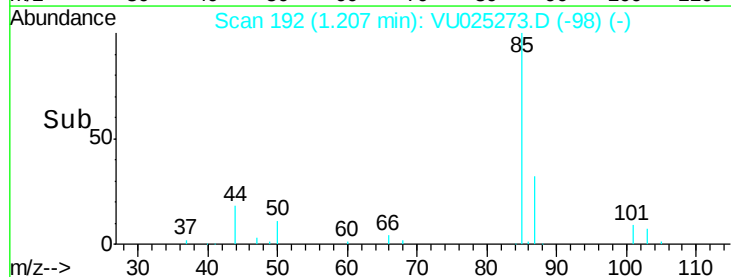
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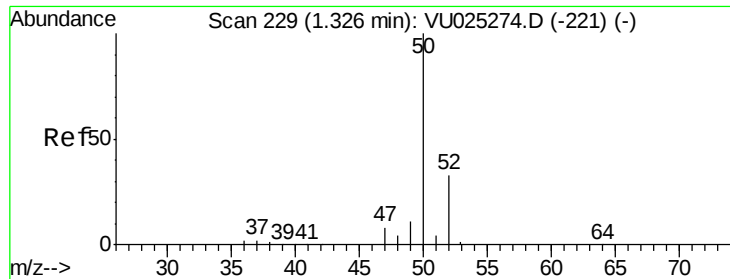
10000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 17.944 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

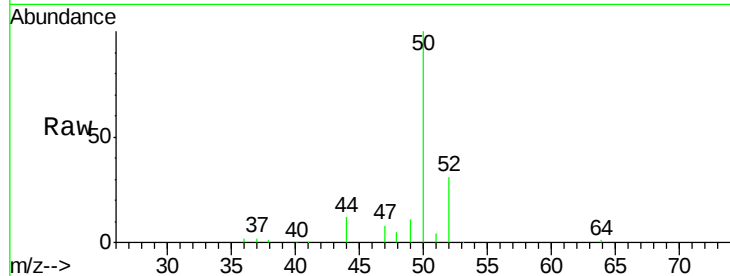
VSTDIC020

Tgt Ion: 50 Resp: 33380

Ion Ratio Lower Upper

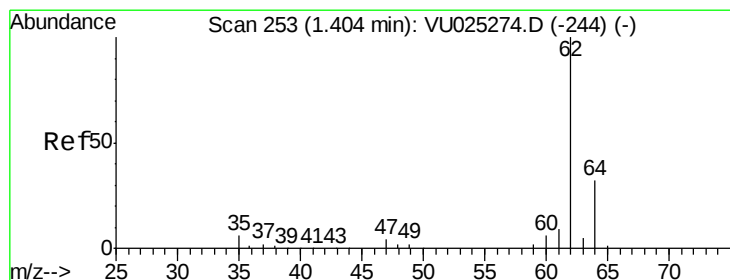
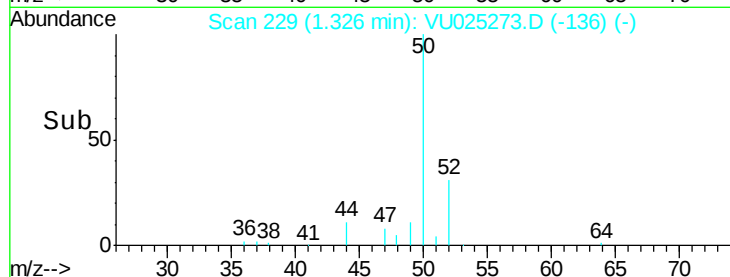
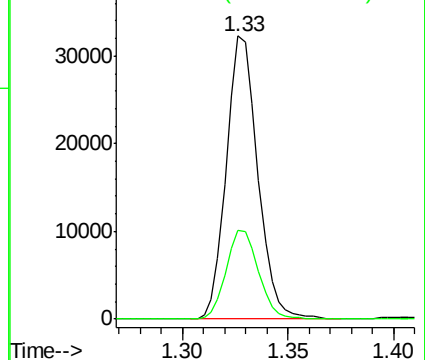
50 100

52 31.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.580 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025273.D

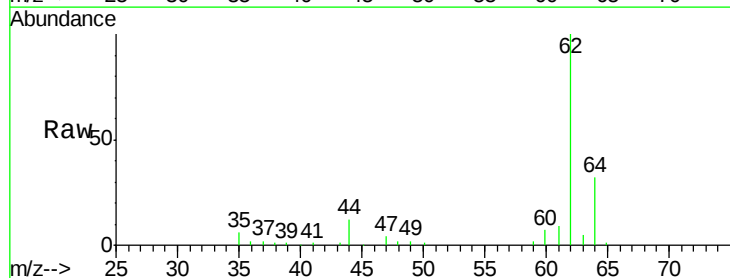
Acq: 09 Jul 2018 14:54

Tgt Ion: 62 Resp: 33565

Ion Ratio Lower Upper

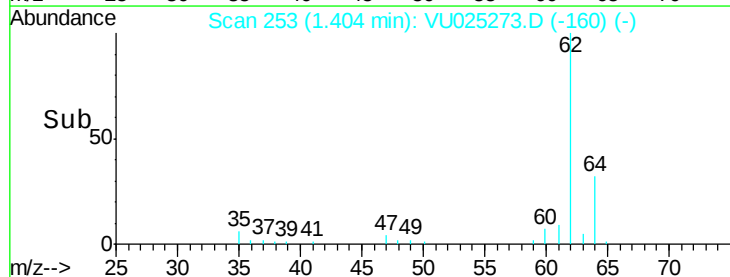
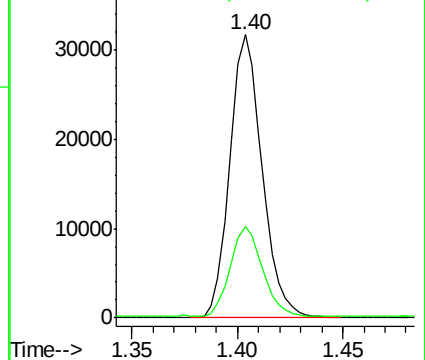
62 100

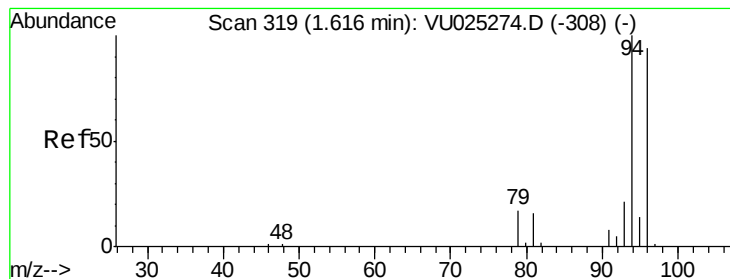
64 31.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 18.081 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

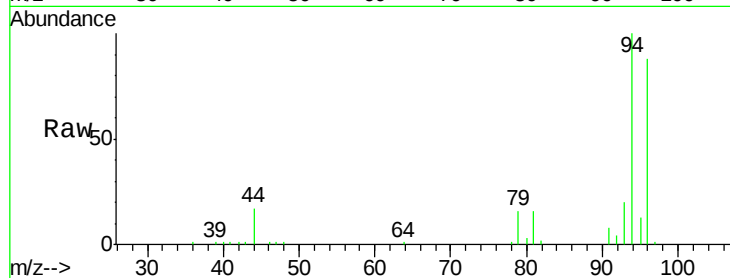
VSTDIC020

Tgt Ion: 94 Resp: 23862

Ion Ratio Lower Upper

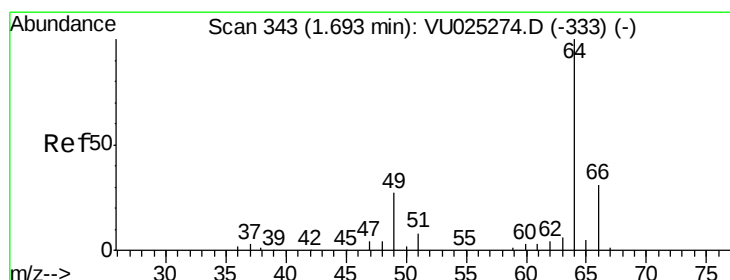
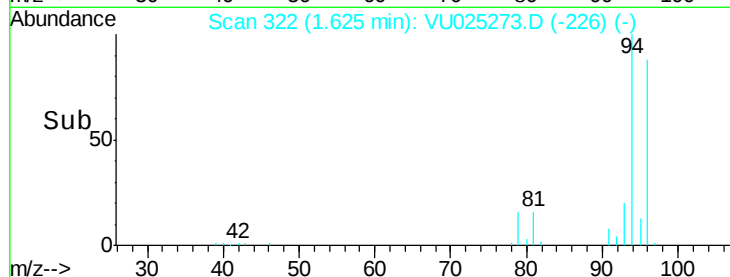
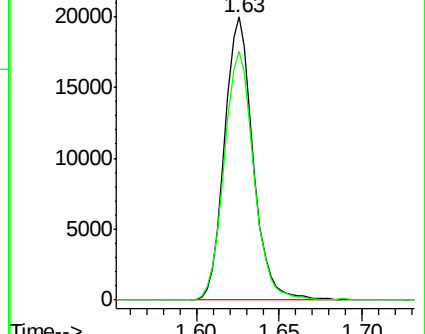
94 100

96 88.1 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 17.895 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025273.D

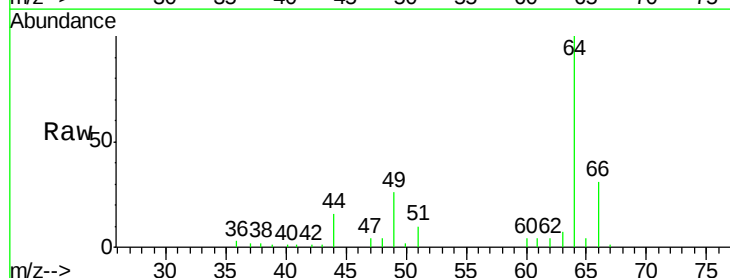
Acq: 09 Jul 2018 14:54

Tgt Ion: 64 Resp: 22530

Ion Ratio Lower Upper

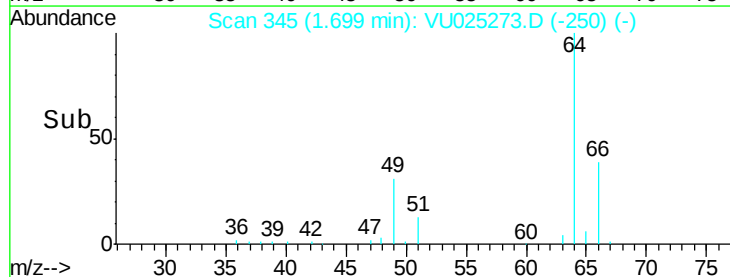
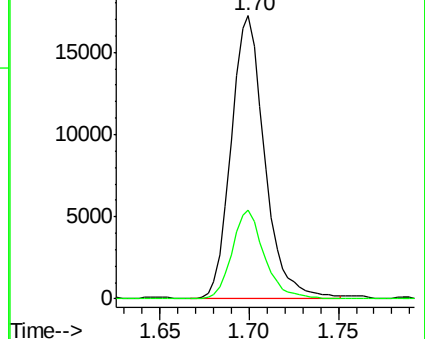
64 100

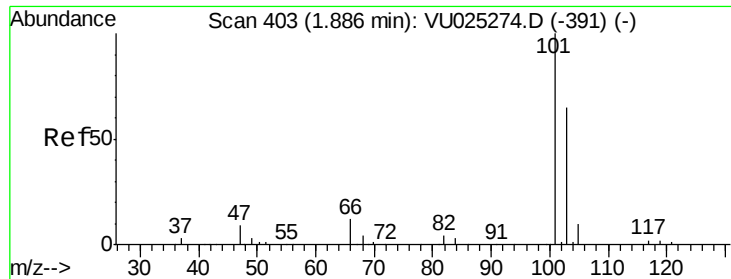
66 31.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



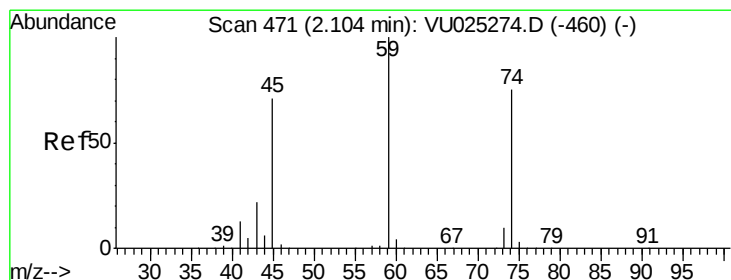
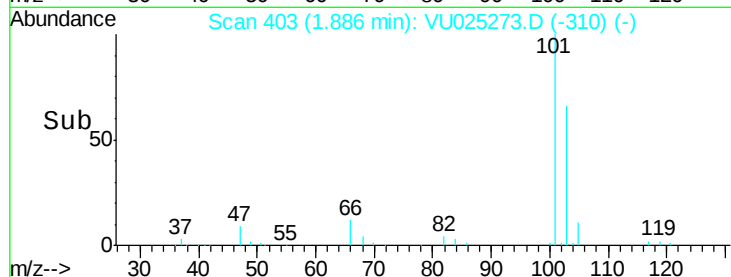
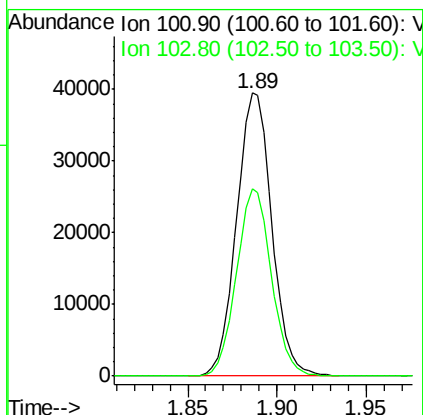
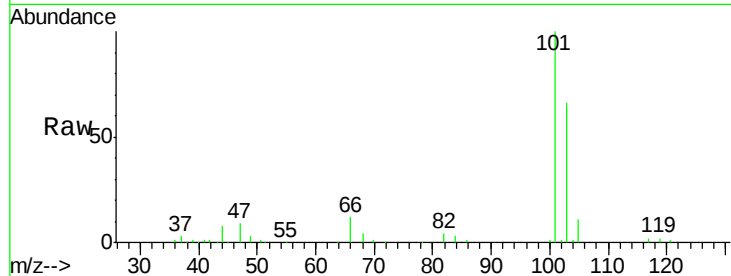


#7

Trichlorofluoromethane
 Concen: 19.216 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

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 VSTDIC020

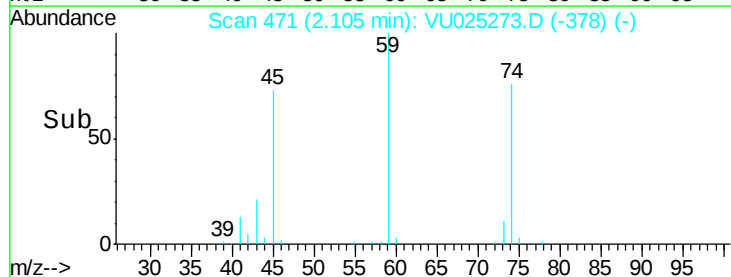
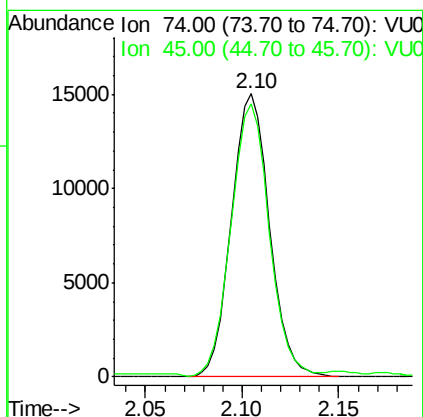
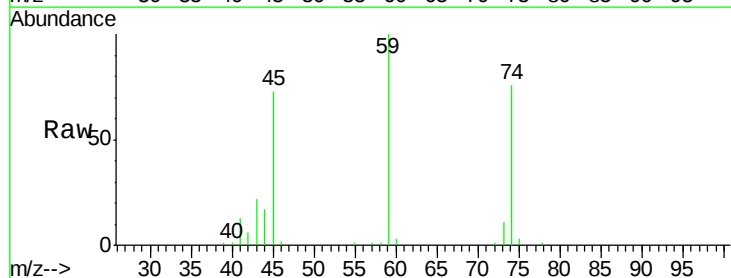
Tgt Ion:101 Resp: 54554
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.2 78.2

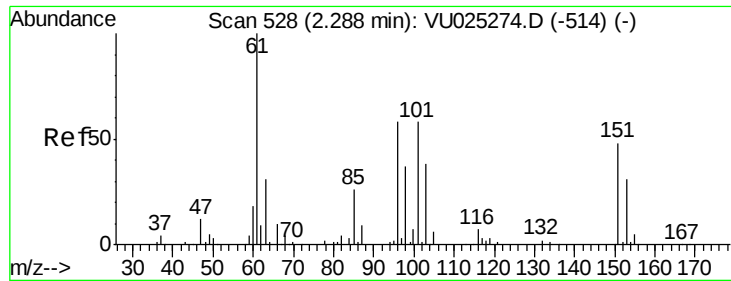


#8

Diethyl Ether
 Concen: 19.320 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion: 74 Resp: 20583
 Ion Ratio Lower Upper
 74 100
 45 97.5 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.092 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

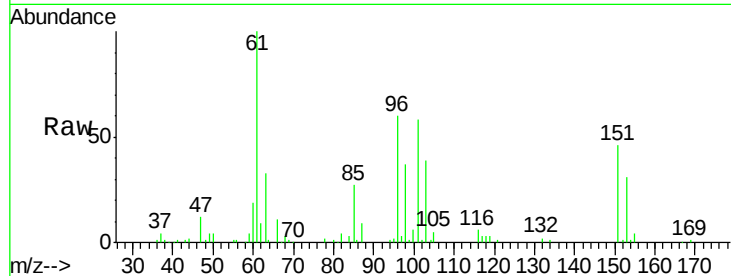
Tgt Ion:101 Resp: 33590

Ion Ratio Lower Upper

101 100

85 46.4 36.0 54.0

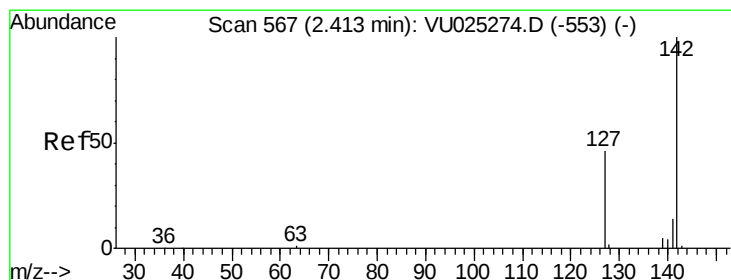
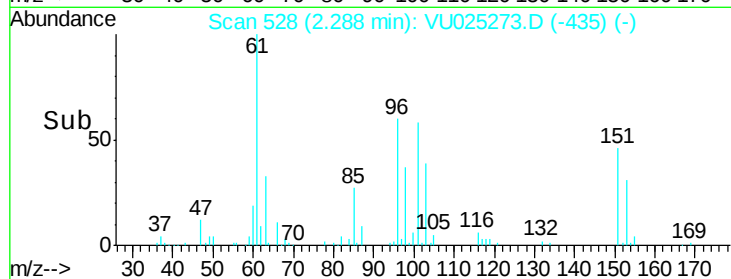
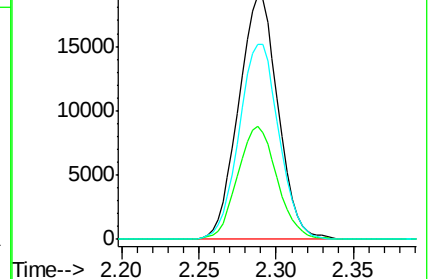
151 81.0 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.407 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

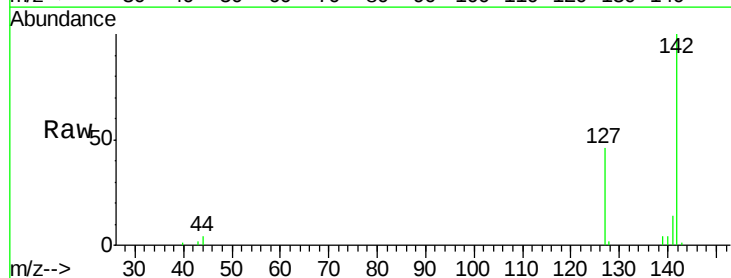
Tgt Ion:142 Resp: 27898

Ion Ratio Lower Upper

142 100

127 47.9 36.5 54.7

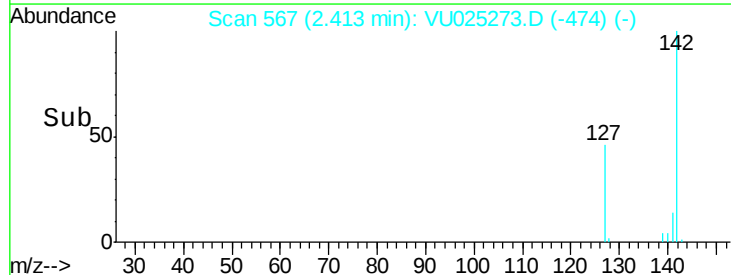
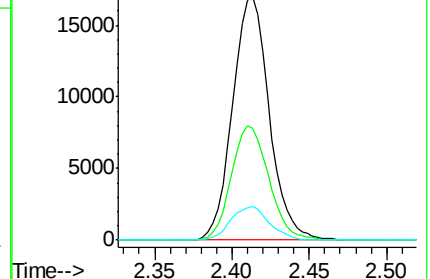
141 14.4 11.4 17.2

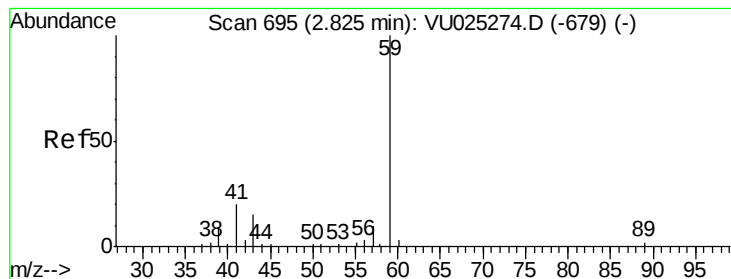


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



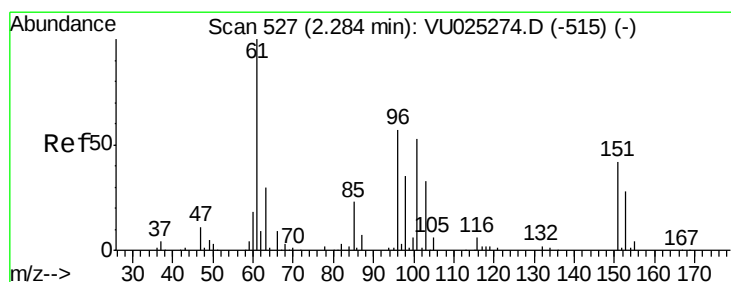
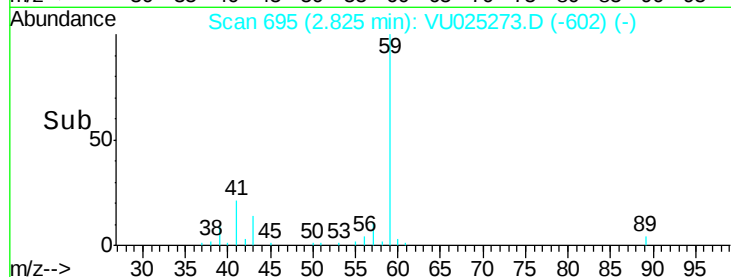
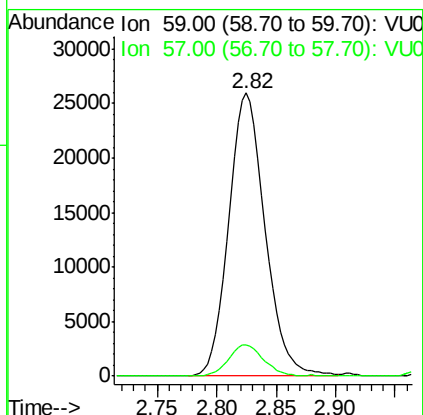
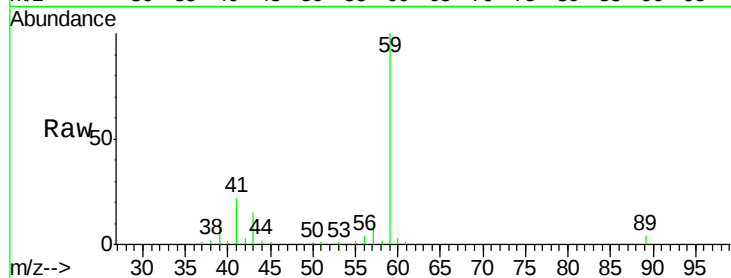


#11

Tert butyl alcohol
Concen: 90.880 ug/l
RT: 2.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

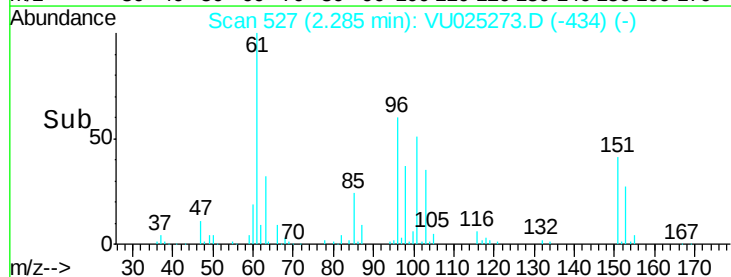
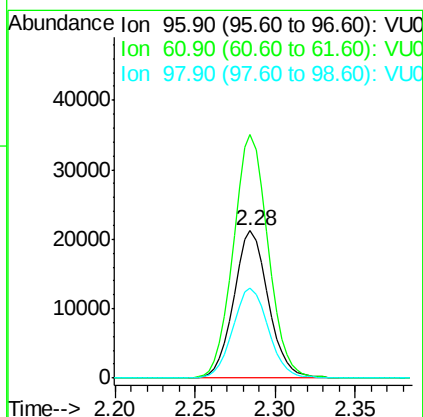
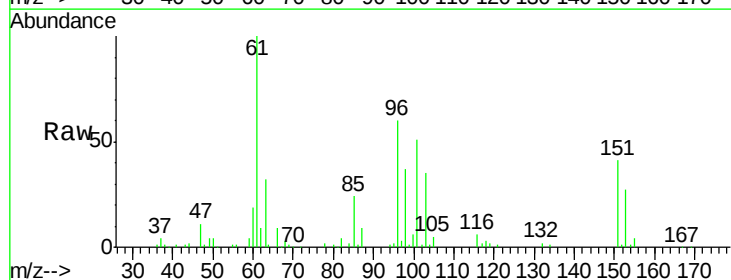
Tgt Ion: 59 Resp: 54972
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2

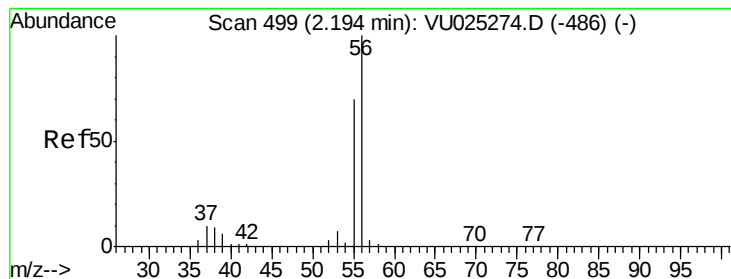


#12

1,1-Dichloroethene
Concen: 19.323 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion: 96 Resp: 31113
Ion Ratio Lower Upper
96 100
61 165.6 140.2 210.4
98 61.1 49.3 73.9





#13

Acrolein

Concen: 100.321 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

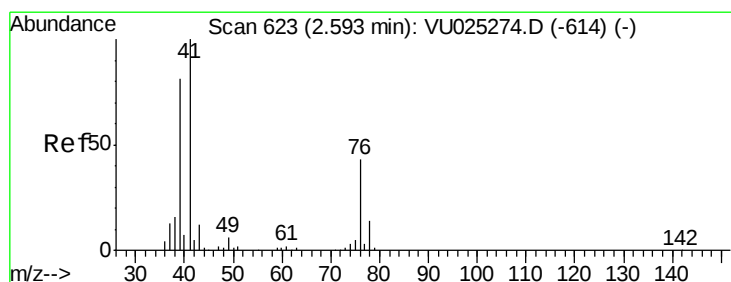
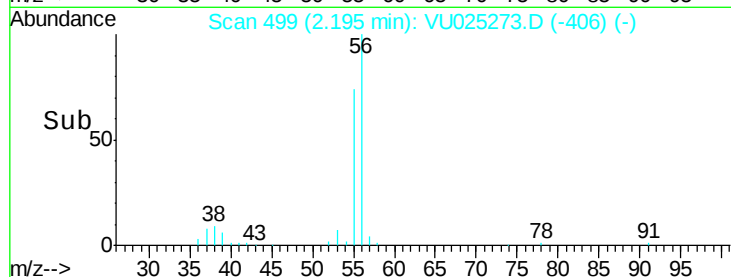
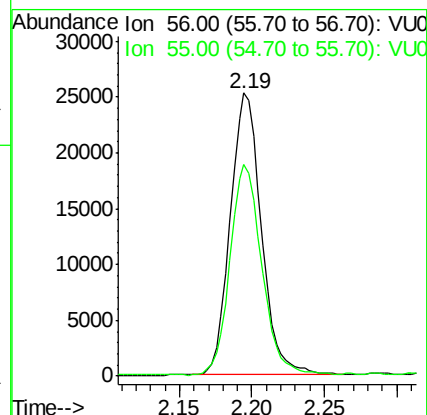
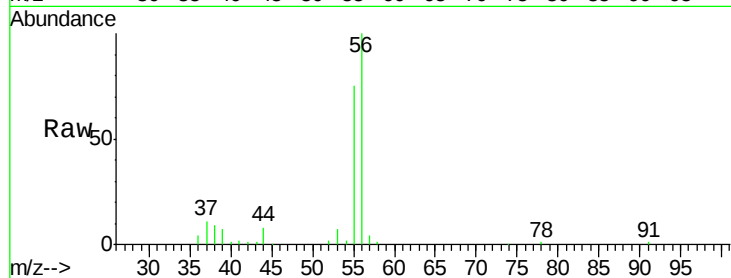
VSTDIC020

Tgt Ion: 56 Resp: 37684

Ion Ratio Lower Upper

56 100

55 77.8 57.2 85.8



#14

Allyl chloride

Concen: 18.244 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

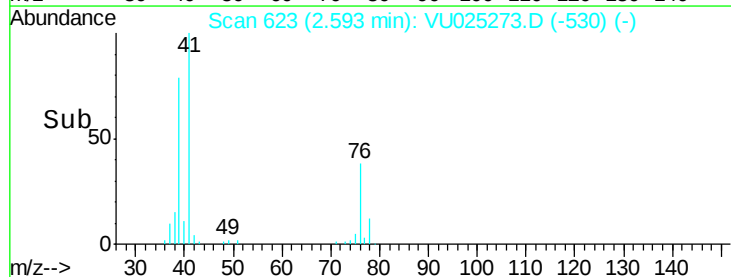
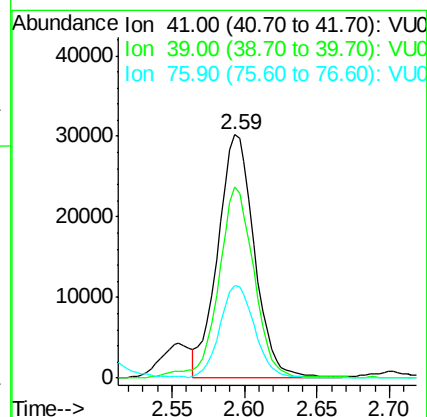
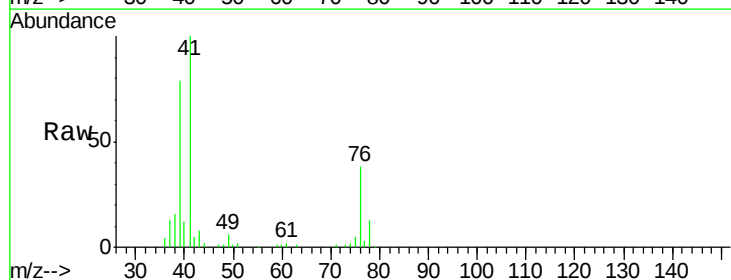
Tgt Ion: 41 Resp: 53273

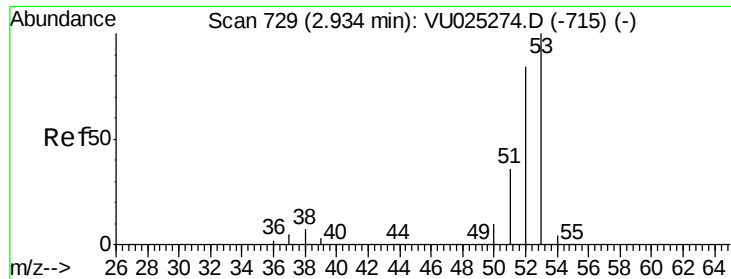
Ion Ratio Lower Upper

41 100

39 76.2 60.6 91.0

76 36.2 30.5 45.7





#15

Acrylonitrile

Concen: 96.703 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

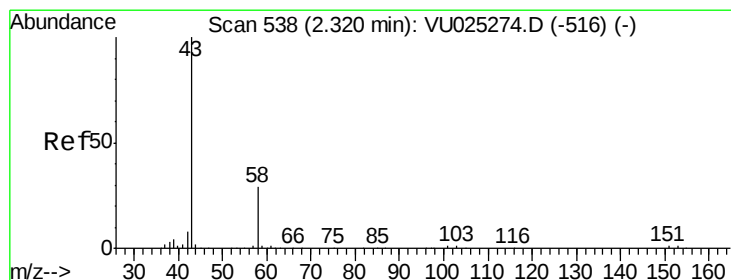
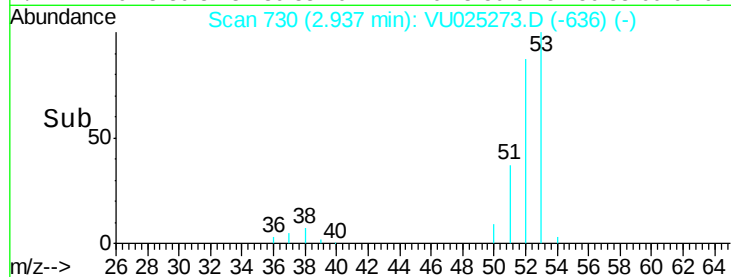
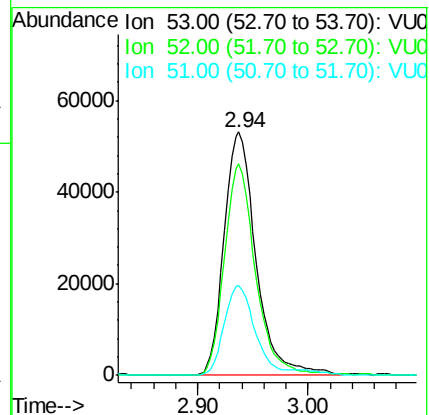
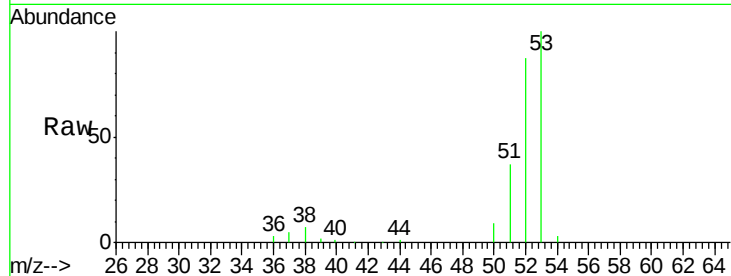
Tgt Ion: 53 Resp: 107036

Ion Ratio Lower Upper

53 100

52 84.7 66.6 99.8

51 35.6 29.4 44.2



#16

Acetone

Concen: 99.472 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025273.D

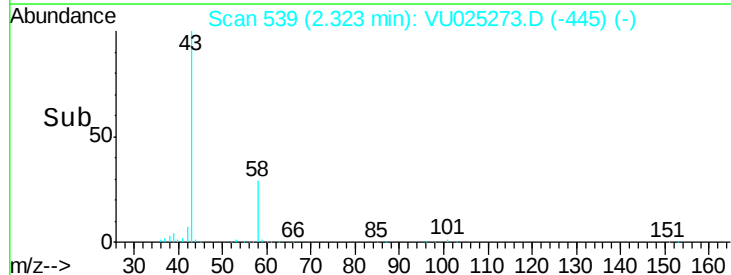
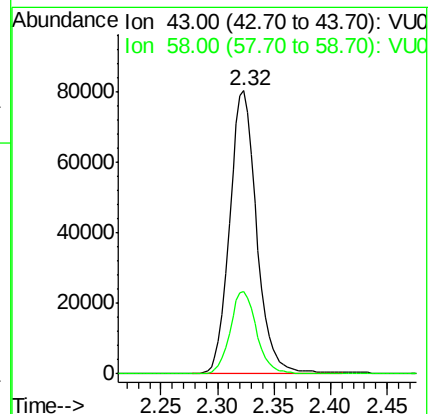
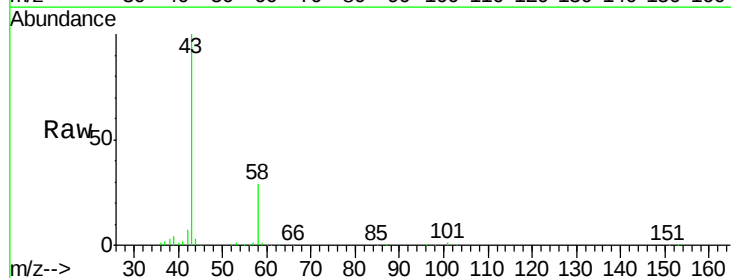
Acq: 09 Jul 2018 14:54

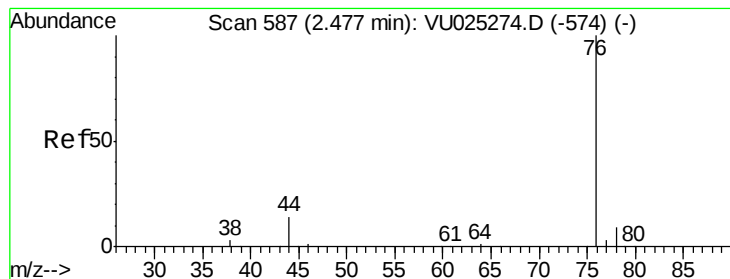
Tgt Ion: 43 Resp: 132560

Ion Ratio Lower Upper

43 100

58 28.9 23.1 34.7





#17

Carbon Disulfide

Concen: 17.405 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

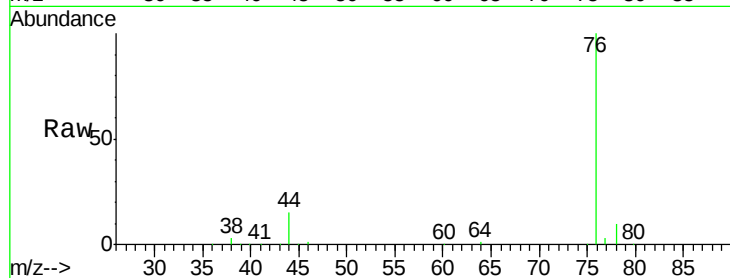
VSTDIC020

Tgt Ion: 76 Resp: 86809

Ion Ratio Lower Upper

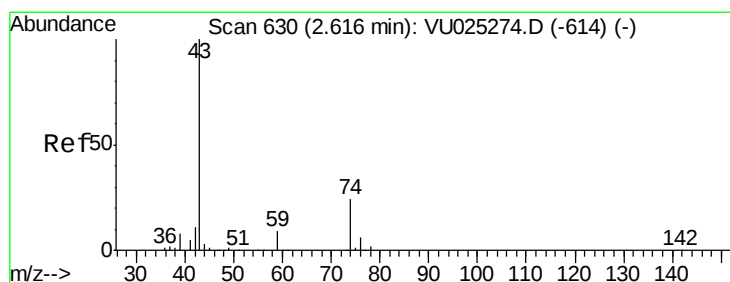
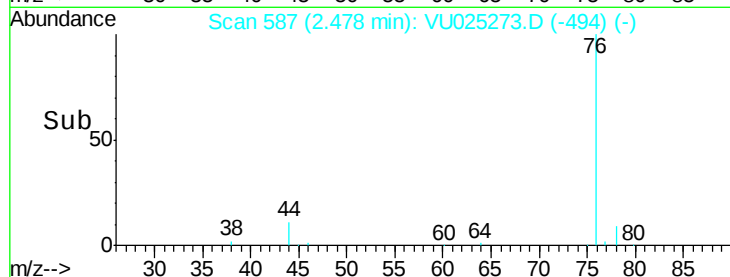
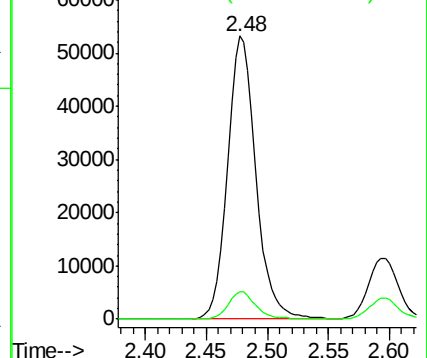
76 100

78 9.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 19.723 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025273.D

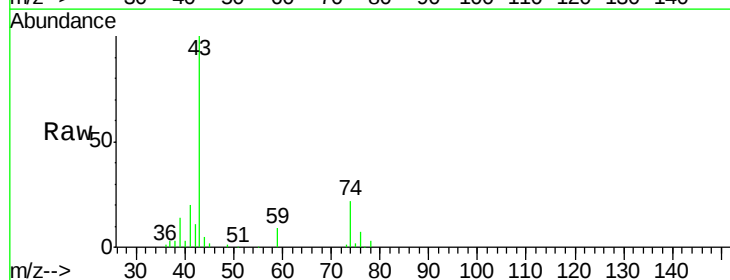
Acq: 09 Jul 2018 14:54

Tgt Ion: 43 Resp: 49834

Ion Ratio Lower Upper

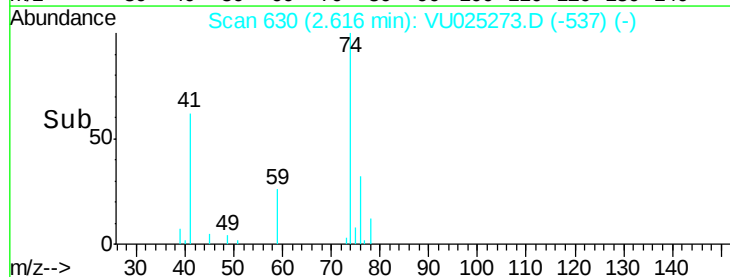
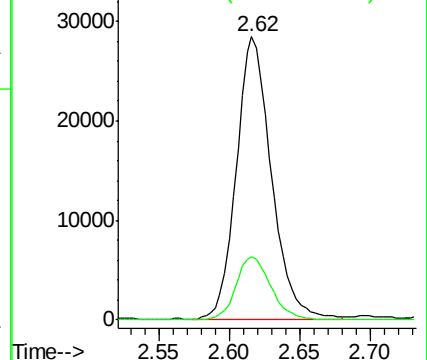
43 100

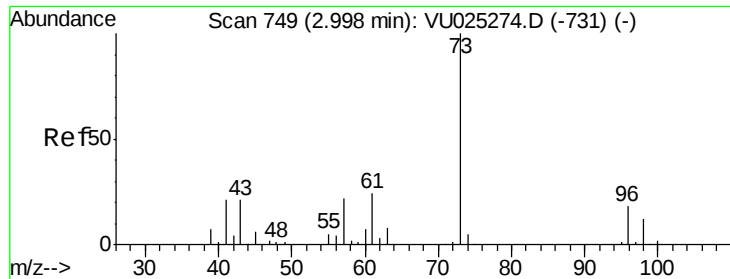
74 22.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

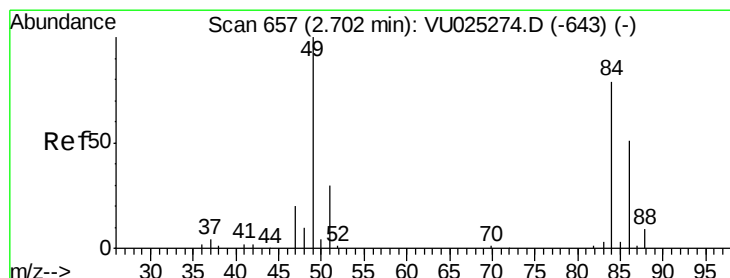
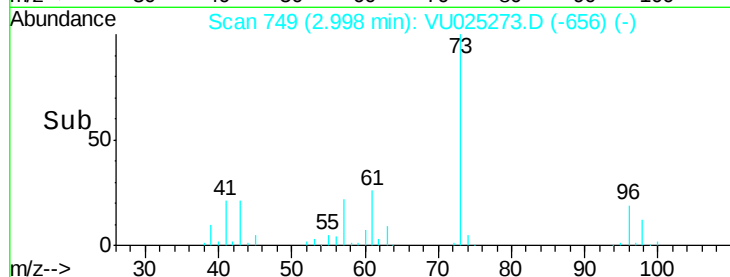
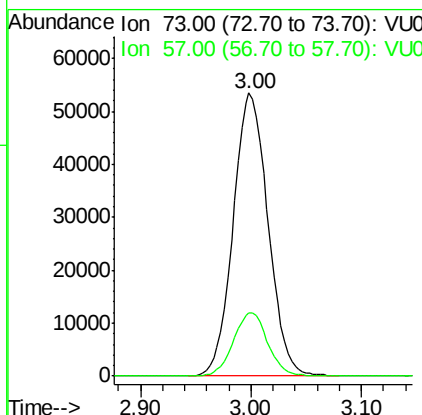
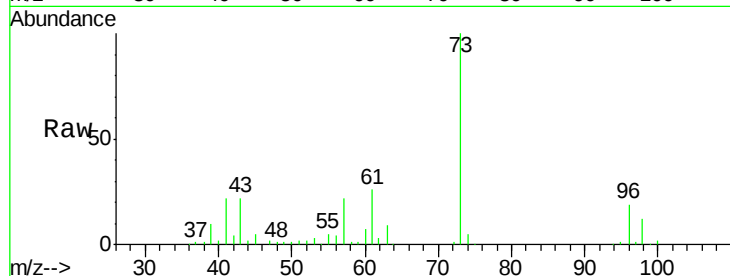




#19
Methyl tert-butyl Ether
Concen: 19.083 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

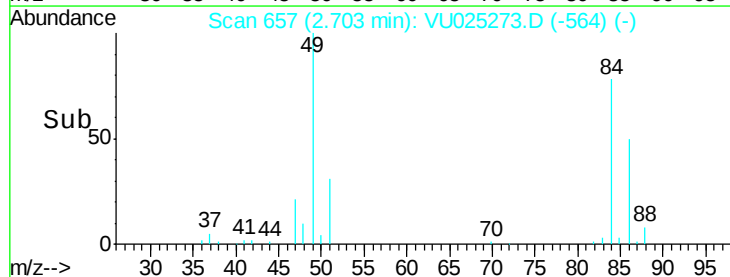
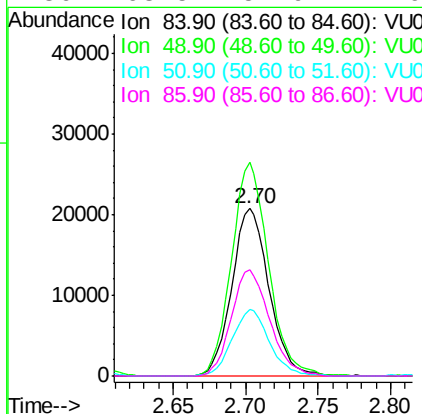
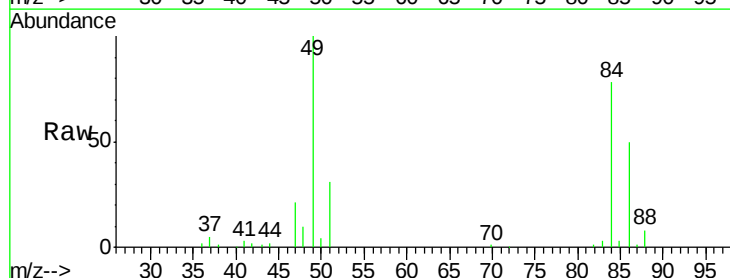
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

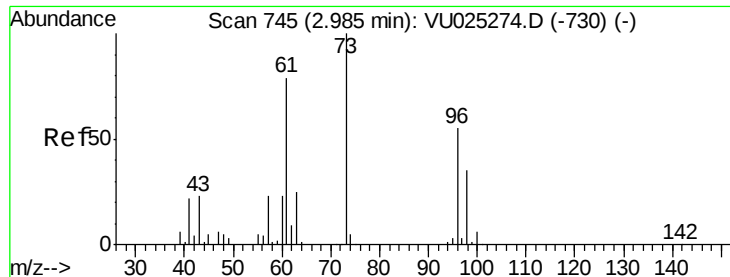
Tgt Ion: 73 Resp: 116877
Ion Ratio Lower Upper
73 100
57 22.4 17.4 26.2



#20
Methylene Chloride
Concen: 16.902 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion: 84 Resp: 37007
Ion Ratio Lower Upper
84 100
49 127.6 101.8 152.6
51 39.9 30.8 46.2
86 63.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 18.494 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

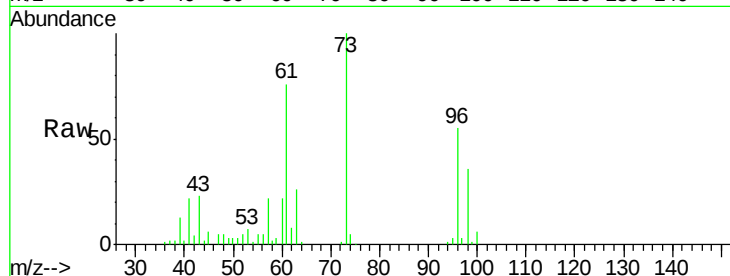
Tgt Ion: 96 Resp: 34030

Ion Ratio Lower Upper

96 100

61 137.6 114.5 171.7

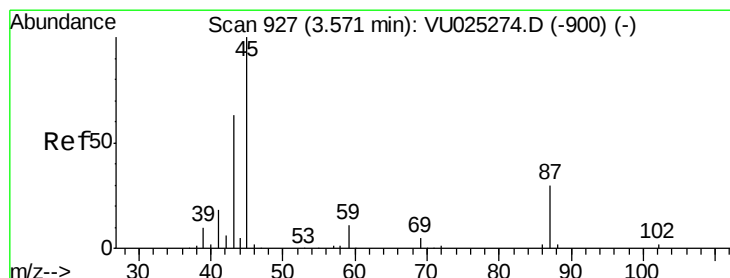
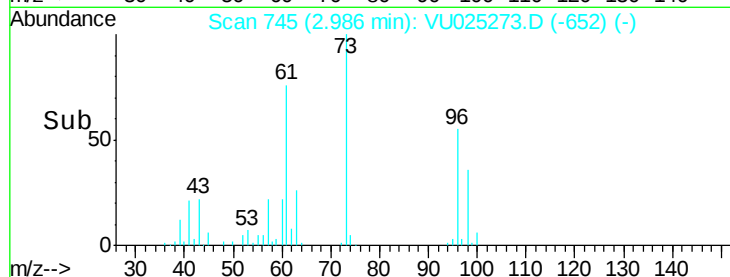
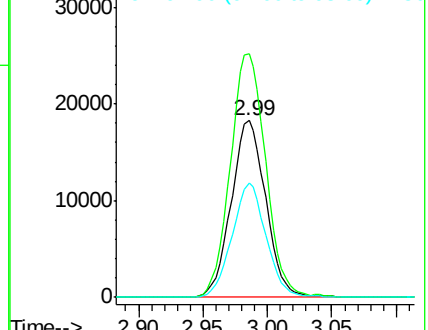
98 64.6 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU025273.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU025273.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU025273.D (-652) (-)



#22

Diisopropyl ether

Concen: 19.006 ug/l

RT: 3.57 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Tgt Ion: 45 Resp: 113345

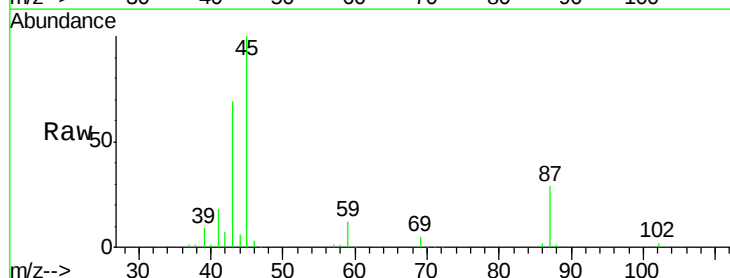
Ion Ratio Lower Upper

45 100

43 67.4 50.9 76.3

87 29.0 23.8 35.8

59 12.0 9.0 13.4

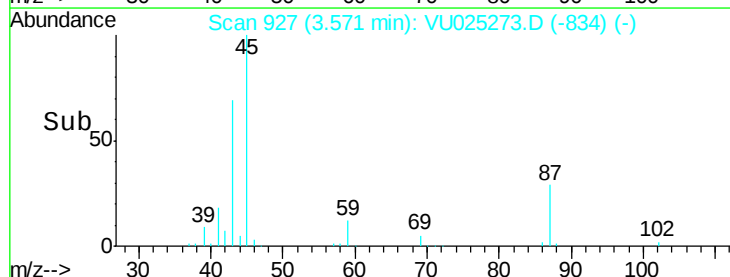
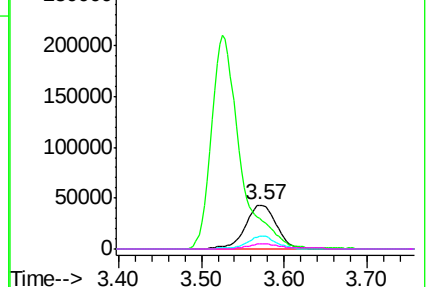


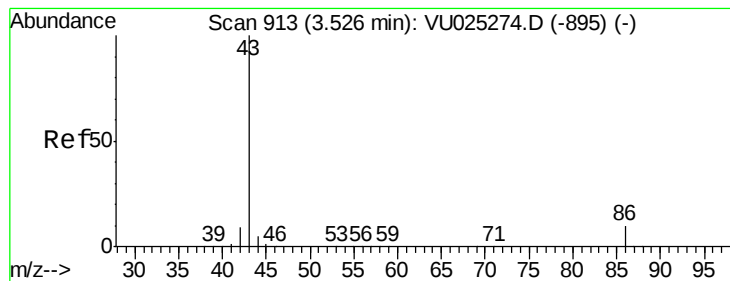
Abundance Ion 45.00 (44.70 to 45.70): VU025273.D (-834) (-)

Ion 43.00 (42.70 to 43.70): VU025273.D (-834) (-)

Ion 87.00 (86.70 to 87.70): VU025273.D (-834) (-)

Ion 59.00 (58.70 to 59.70): VU025273.D (-834) (-)





#23

Vinyl Acetate

Concen: 96.607 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

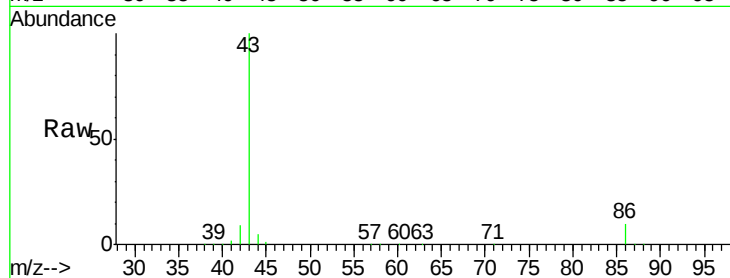
VSTDIC020

Tgt Ion: 43 Resp: 505390

Ion Ratio Lower Upper

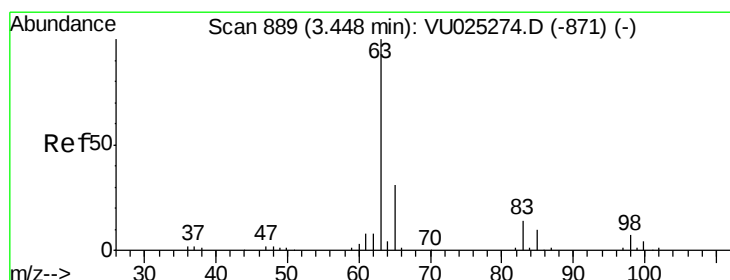
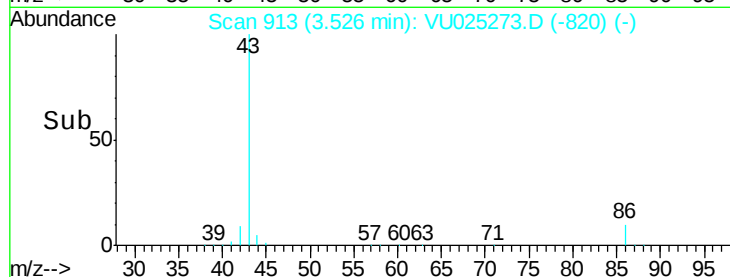
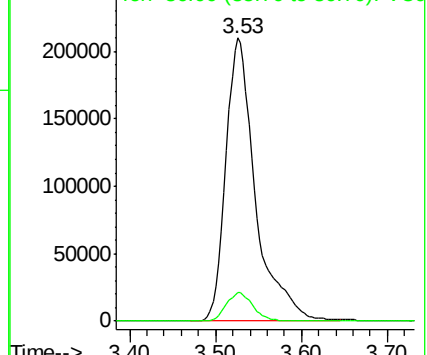
43 100

86 10.0 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU025273.D (-820) (-)

Ion 86.00 (85.70 to 86.70): VU025273.D (-820) (-)



#24

1,1-Dichloroethane

Concen: 19.631 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

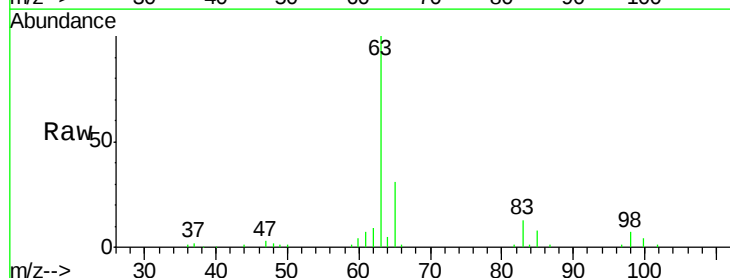
Tgt Ion: 63 Resp: 66023

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

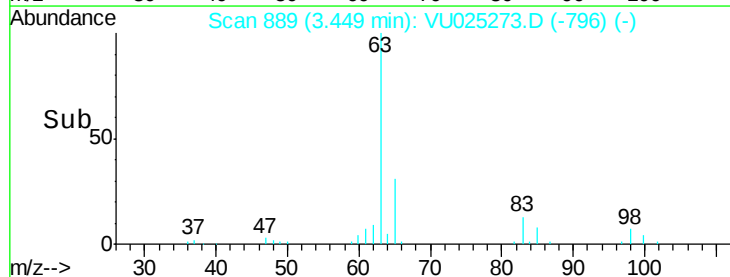
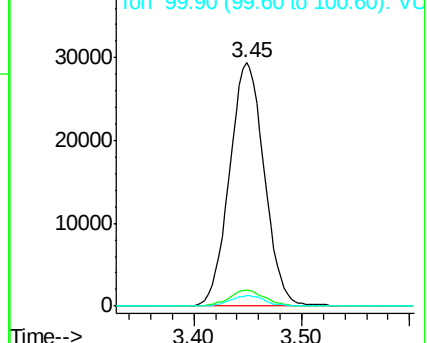
100 4.2 2.0 6.0

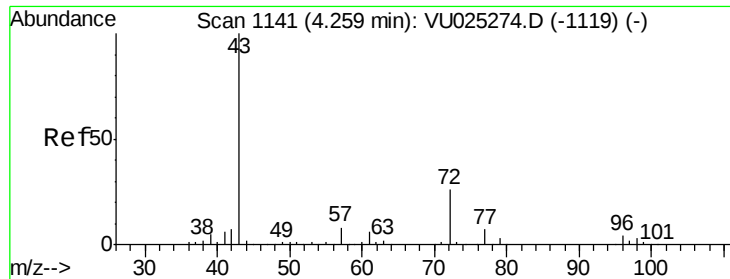


Abundance Ion 62.90 (62.60 to 63.60): VU025273.D (-796) (-)

Ion 97.90 (97.60 to 98.60): VU025273.D (-796) (-)

Ion 99.90 (99.60 to 100.60): VU025273.D (-796) (-)

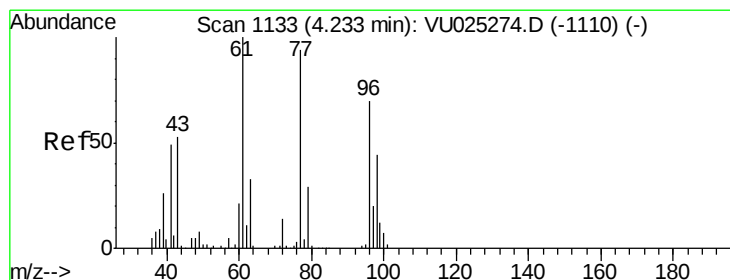
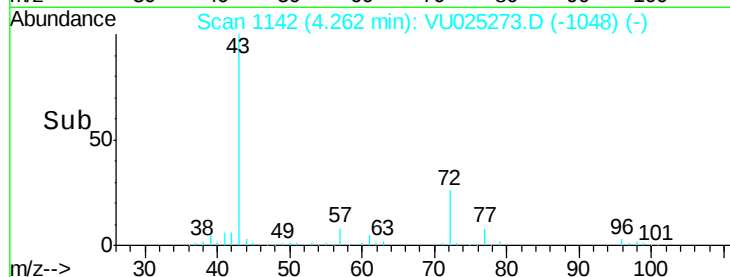
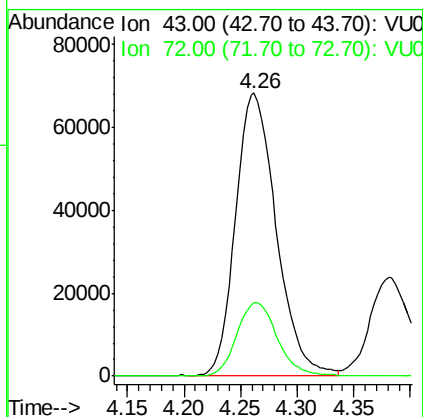
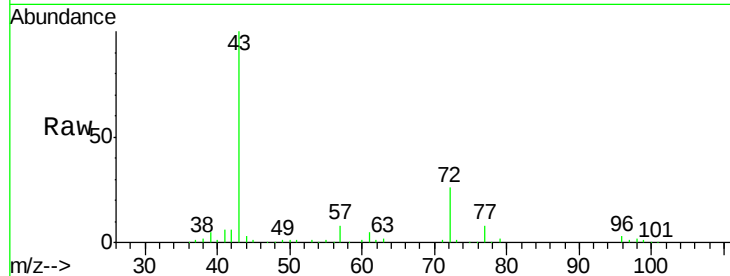




#25
2-Butanone
Concen: 99.582 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

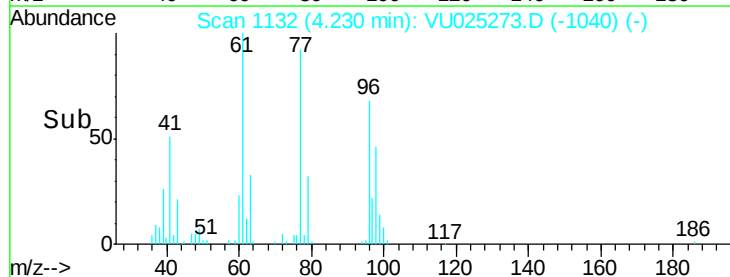
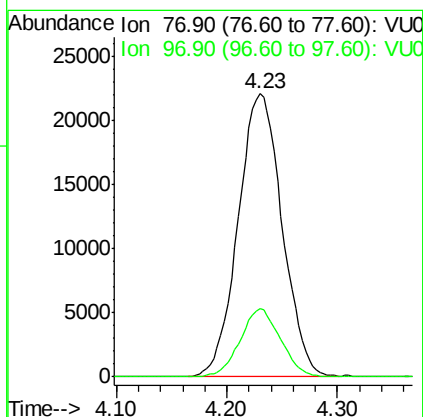
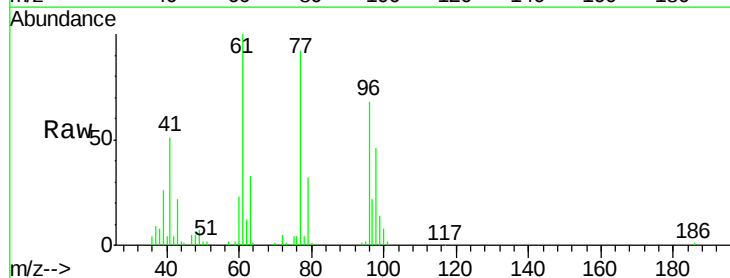
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

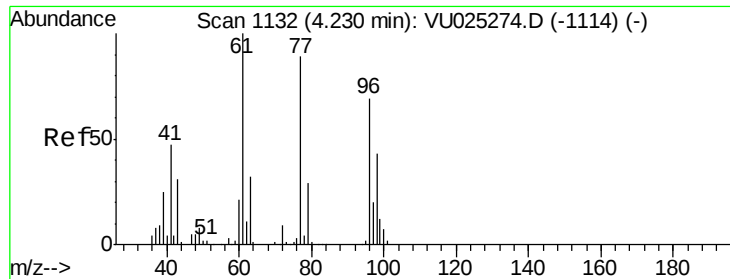
Tgt Ion: 43 Resp: 170338
Ion Ratio Lower Upper
43 100
72 25.8 21.0 31.4



#26
2,2-Dichloropropane
Concen: 18.902 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion: 77 Resp: 61125
Ion Ratio Lower Upper
77 100
97 22.1 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 18.444 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

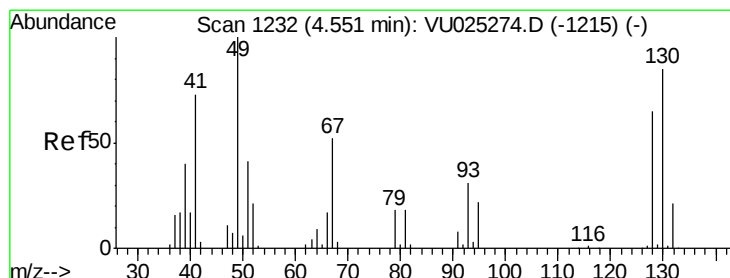
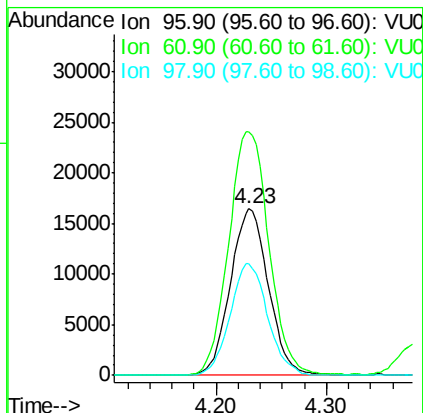
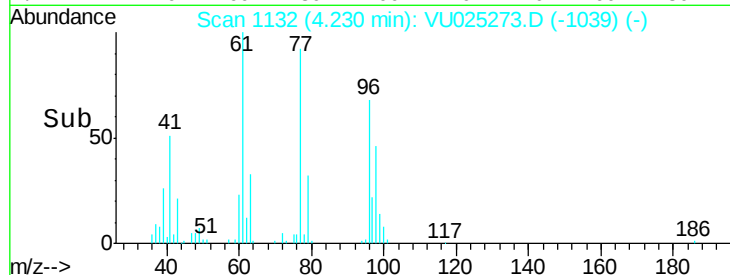
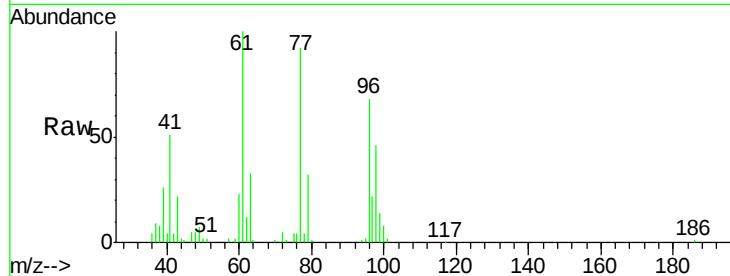
Tgt Ion: 96 Resp: 39268

Ion Ratio Lower Upper

96 100

61 154.6 0.0 299.8

98 66.2 0.0 128.6



#28

Bromochloromethane

Concen: 23.556 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

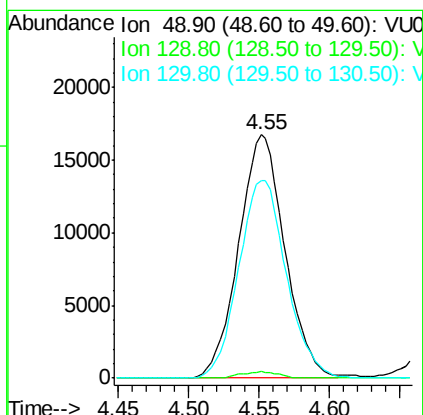
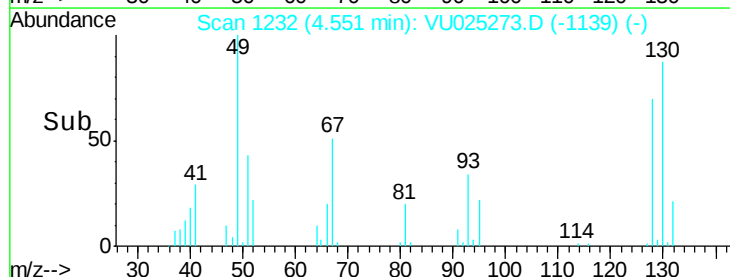
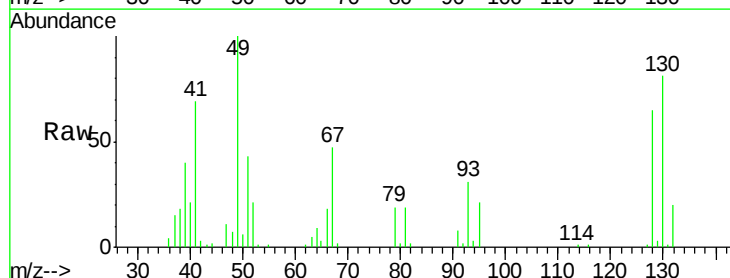
Tgt Ion: 49 Resp: 38256

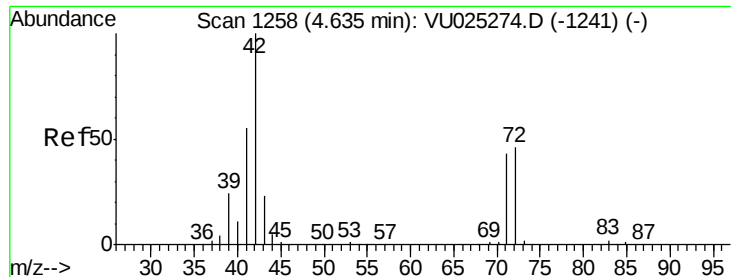
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

130 84.0 68.6 102.8





#29

Tetrahydrofuran

Concen: 97.750 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

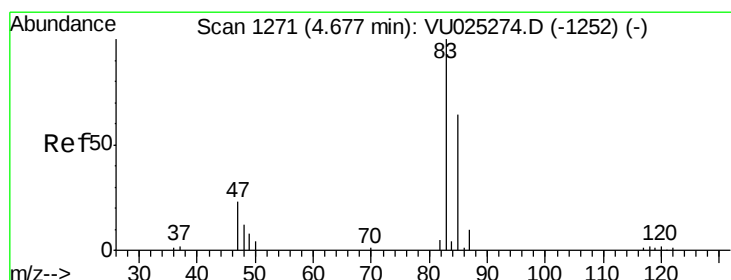
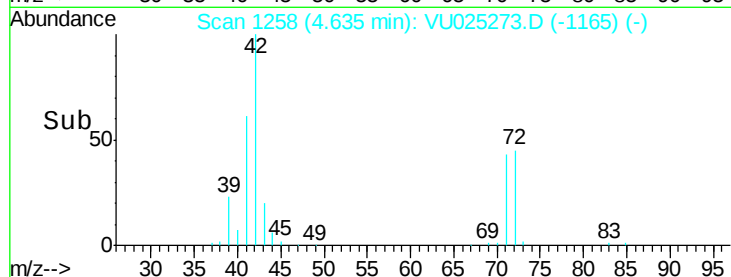
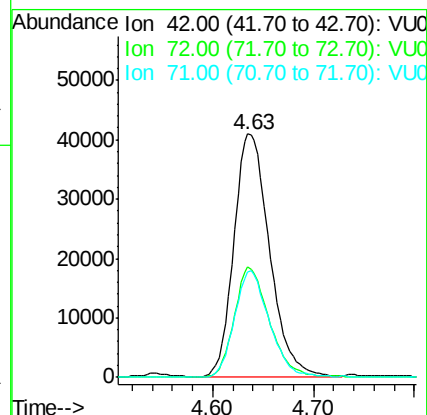
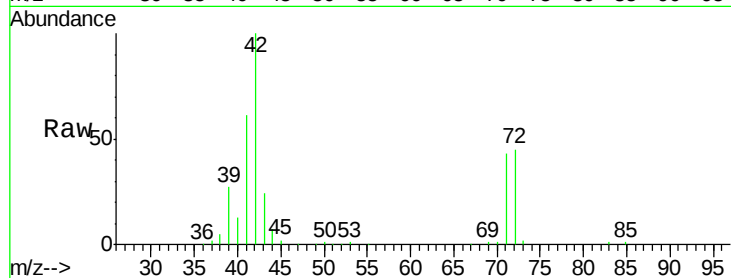
Tgt Ion: 42 Resp: 100291

Ion Ratio Lower Upper

42 100

72 44.5 36.7 55.1

71 43.1 33.9 50.9



#30

Chloroform

Concen: 19.057 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025273.D

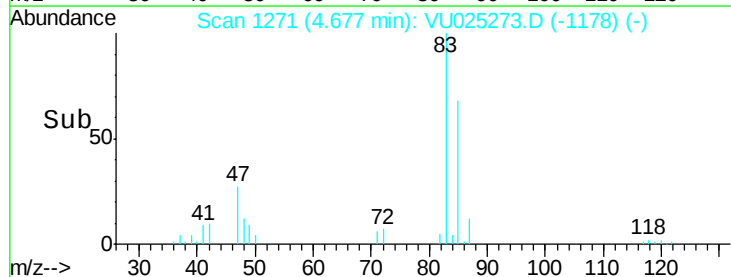
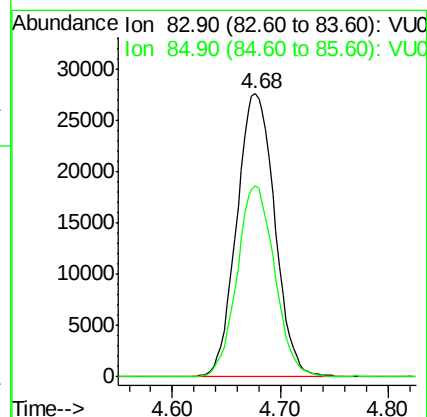
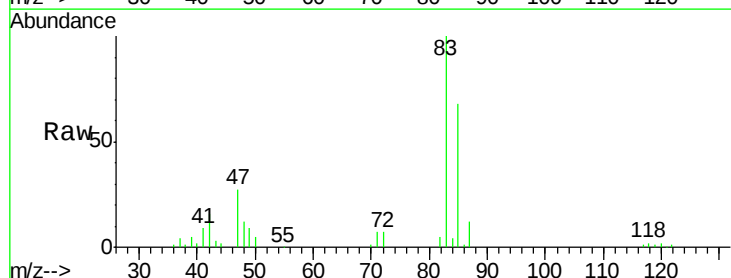
Acq: 09 Jul 2018 14:54

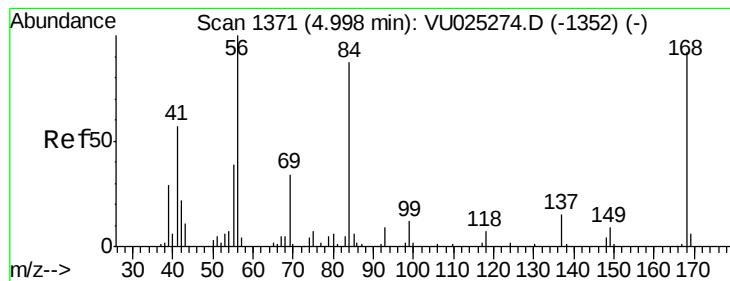
Tgt Ion: 83 Resp: 67875

Ion Ratio Lower Upper

83 100

85 67.7 51.5 77.3





#31

Cyclohexane

Concen: 16.146 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

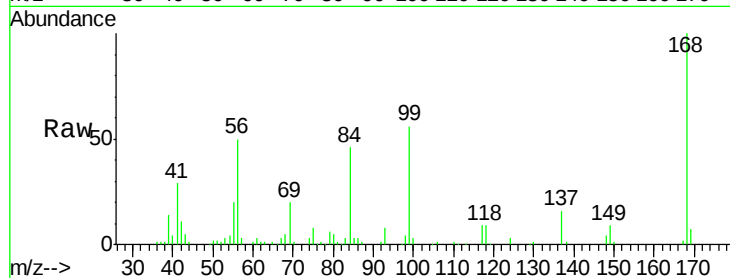
Tgt Ion: 56 Resp: 60333

Ion Ratio Lower Upper

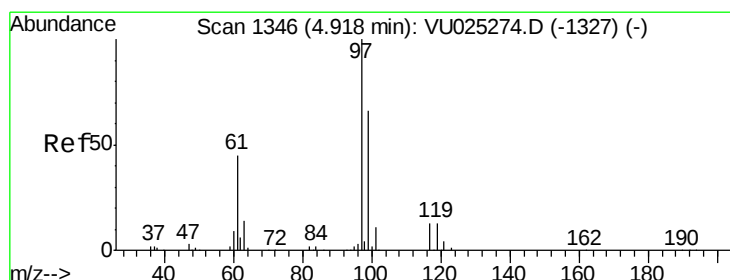
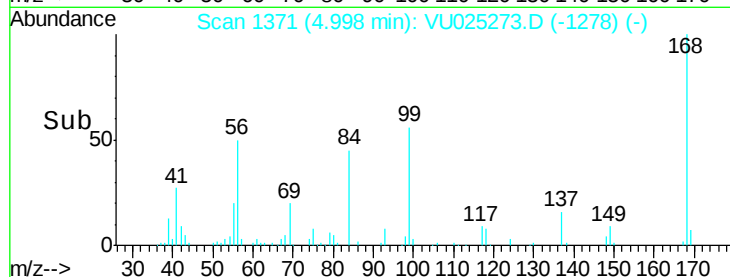
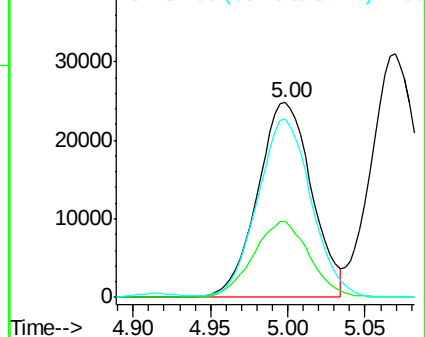
56 100

69 38.9 26.8 40.2

84 91.1 69.7 104.5



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: 19.326 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

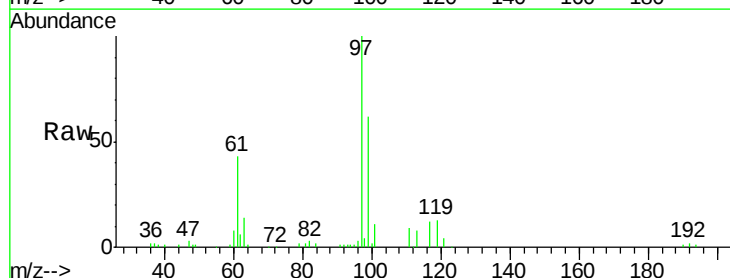
Tgt Ion: 97 Resp: 62383

Ion Ratio Lower Upper

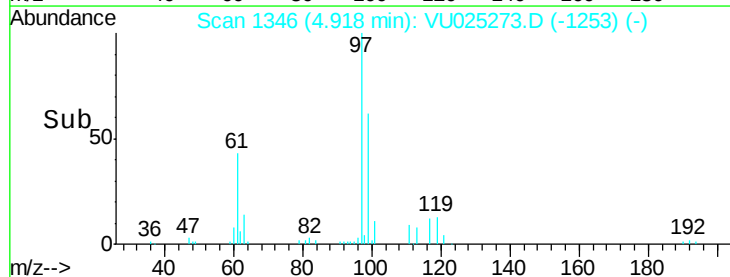
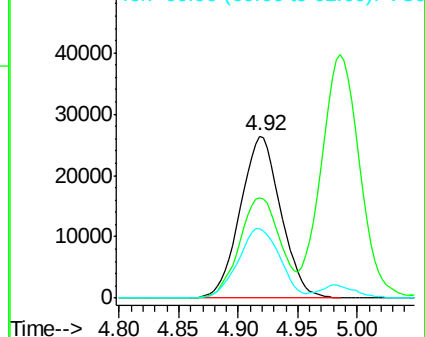
97 100

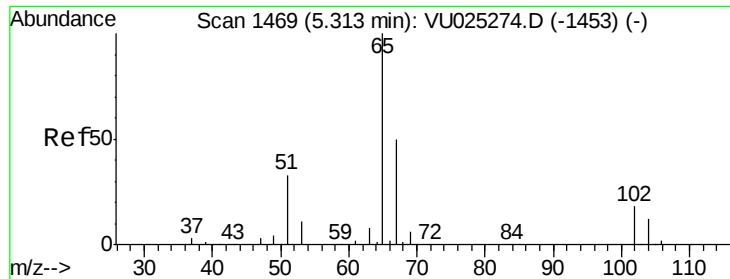
99 63.0 50.8 76.2

61 44.2 35.2 52.8



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

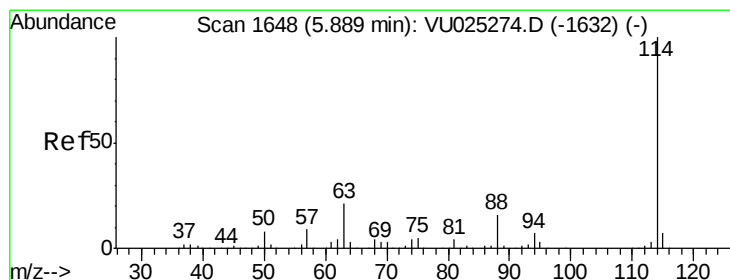
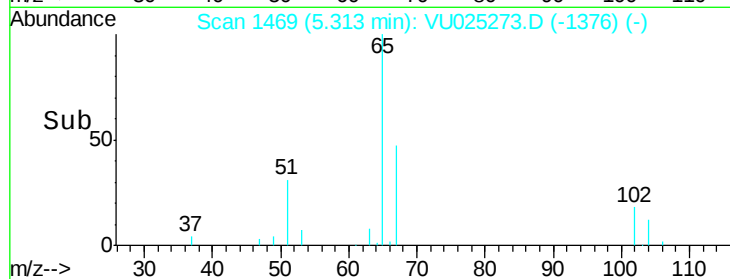
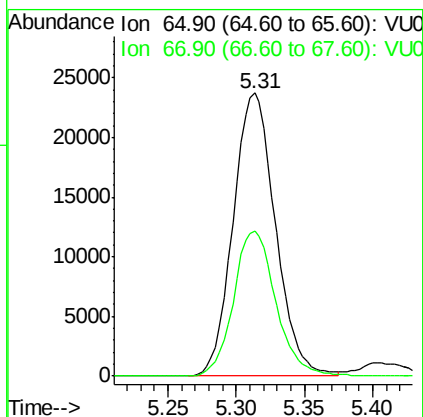
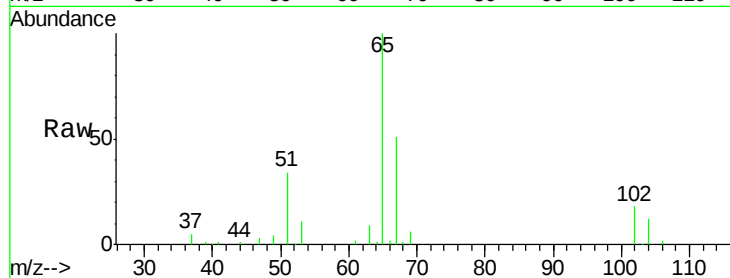




#33
 1,2-Dichloroethane-d4
 Concen: 20.665 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

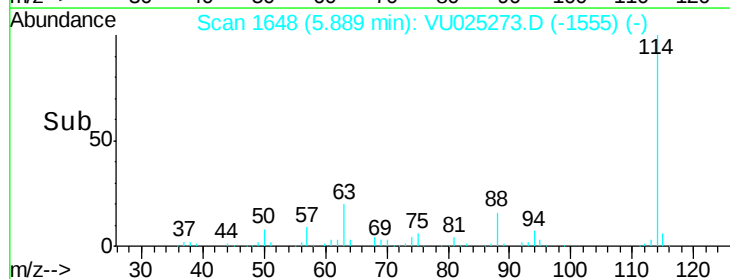
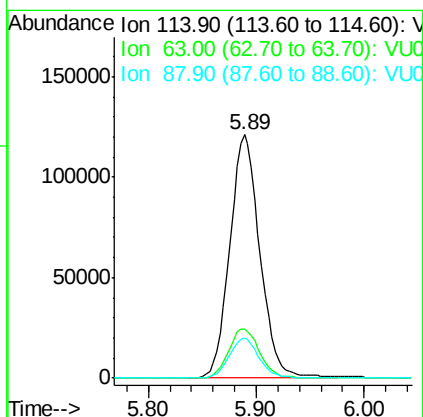
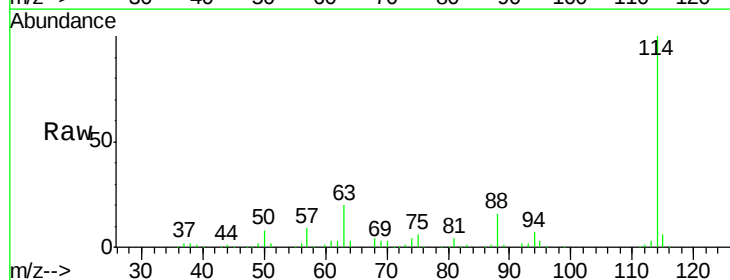
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

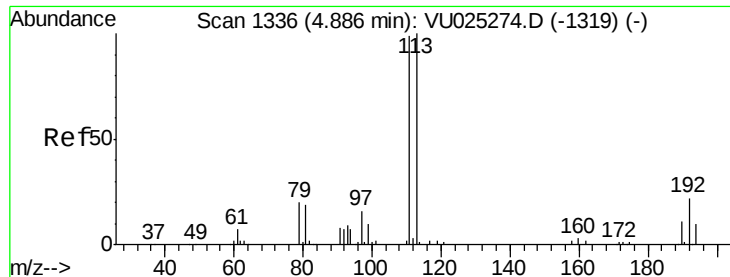
Tgt Ion: 65 Resp: 50998
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion: 114 Resp: 235872
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.6
 88 16.5 0.0 32.4

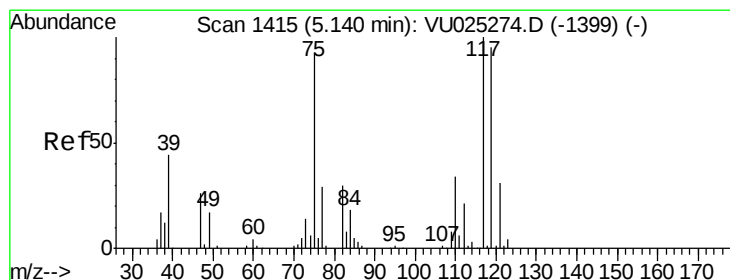
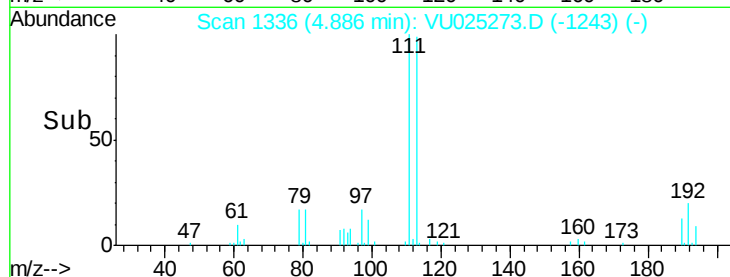
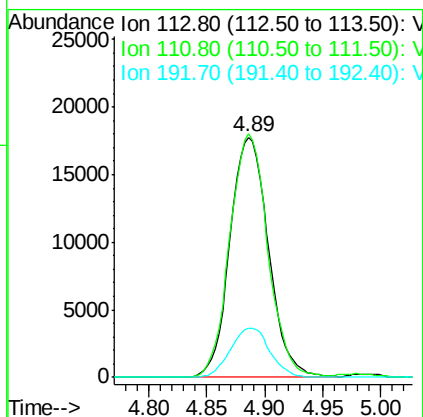
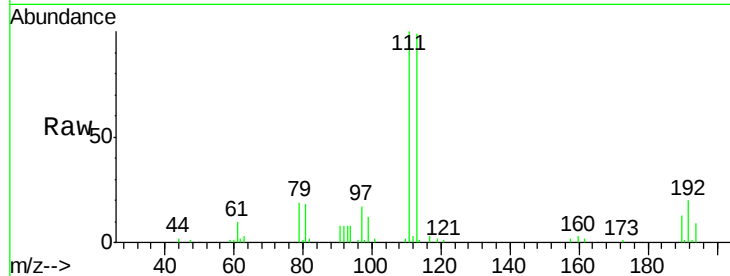




#35
 Dibromofluoromethane
 Concen: 20.639 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

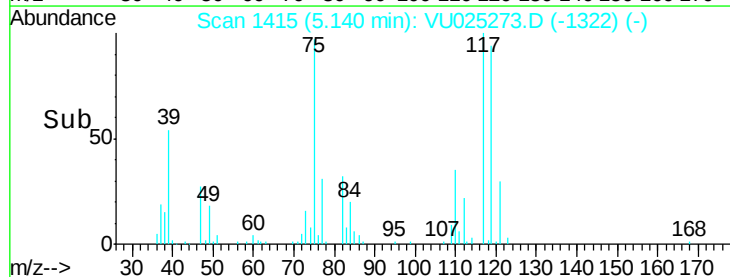
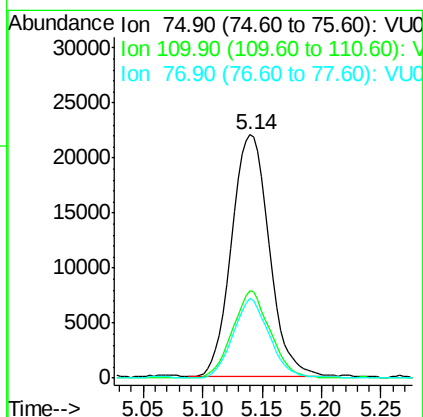
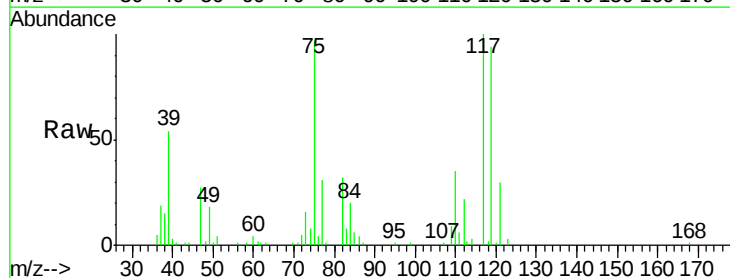
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

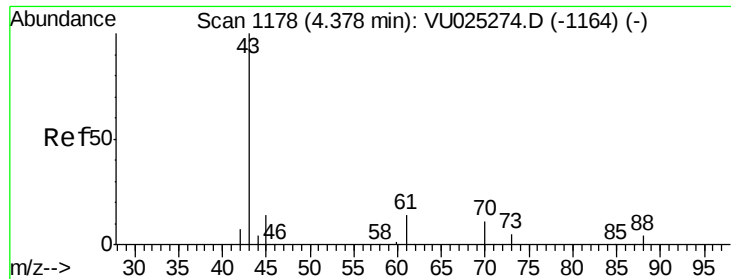
Tgt Ion: 113 Resp: 41068
 Ion Ratio Lower Upper
 113 100
 111 100.0 81.7 122.5
 192 20.8 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 18.405 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion: 75 Resp: 48264
 Ion Ratio Lower Upper
 75 100
 110 36.2 17.6 52.9
 77 31.8 24.4 36.6

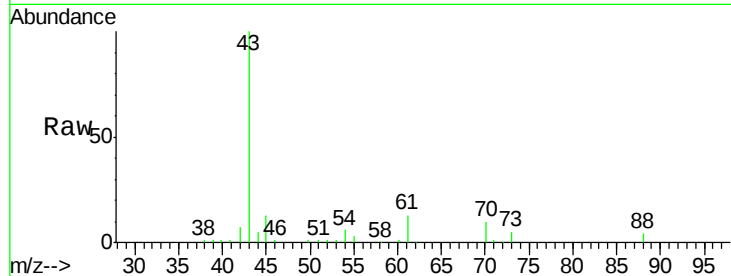




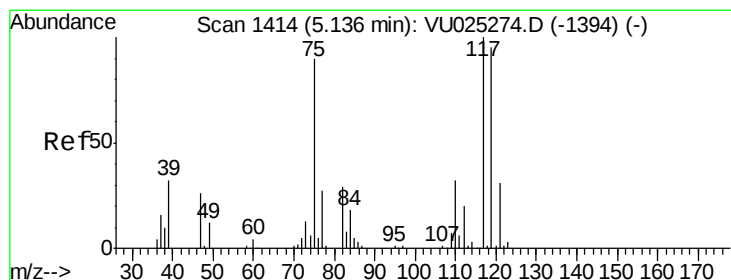
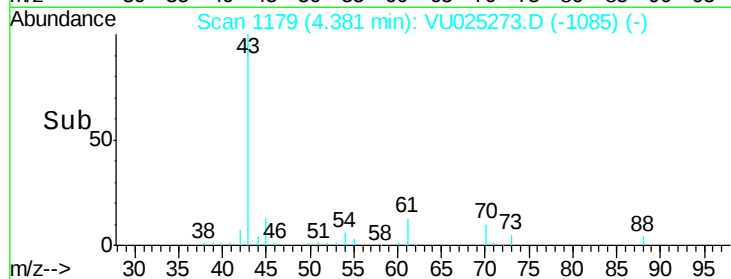
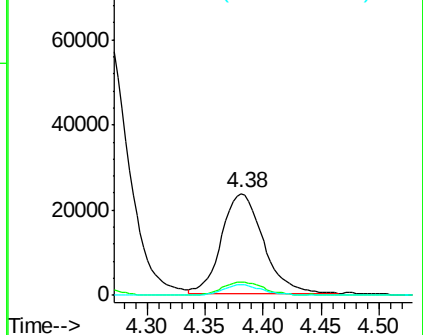
#37
Ethyl Acetate
Concen: 20.197 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 59064
Ion Ratio Lower Upper
43 100
61 13.5 10.7 16.1
70 10.0 8.4 12.6

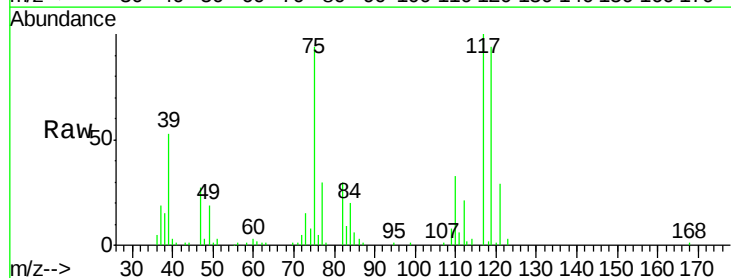


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

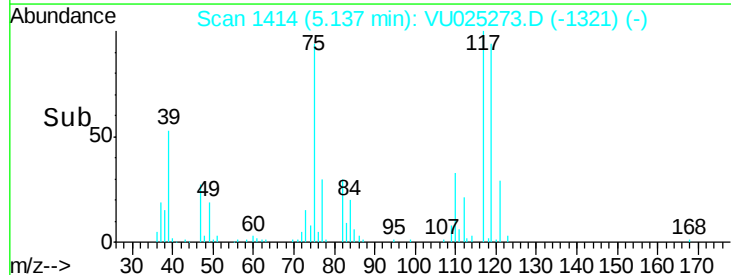
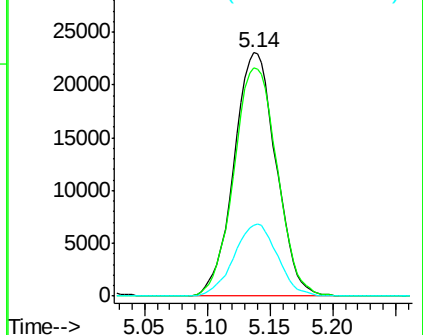


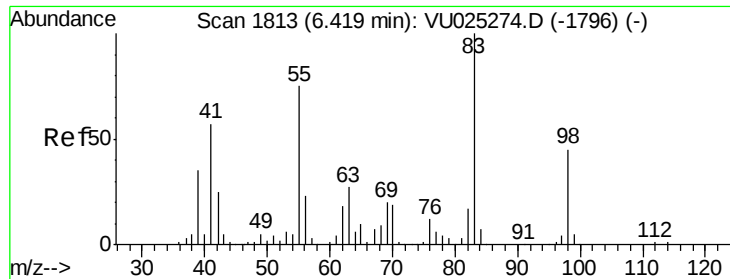
#38
Carbon Tetrachloride
Concen: 19.000 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion: 117 Resp: 53627
Ion Ratio Lower Upper
117 100
119 93.9 75.7 113.5
121 29.3 24.6 36.8



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

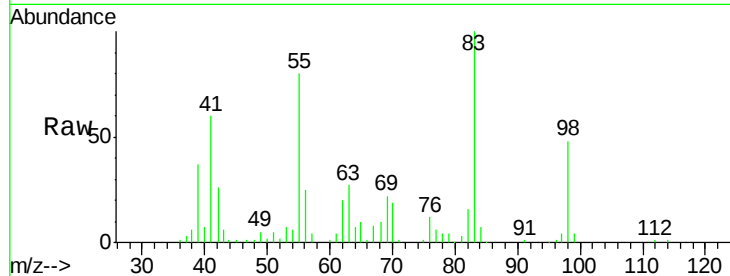




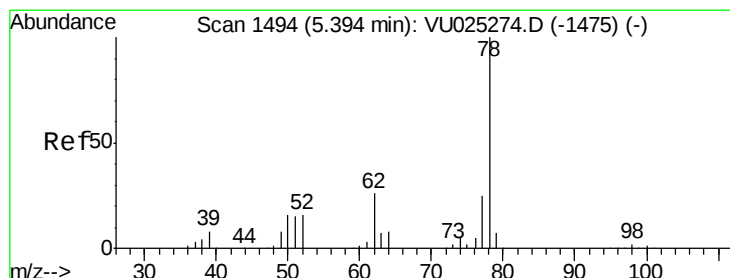
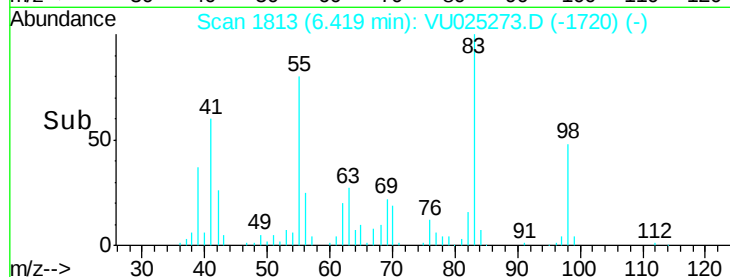
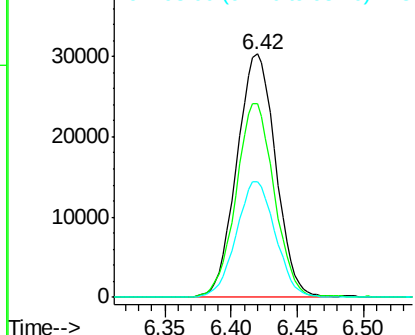
#39
Methylcyclohexane
Concen: 18.931 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 61921
Ion Ratio Lower Upper
83 100
55 79.7 60.0 90.0
98 47.7 36.1 54.1

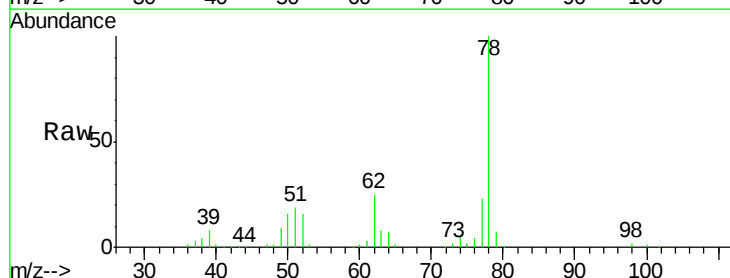


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

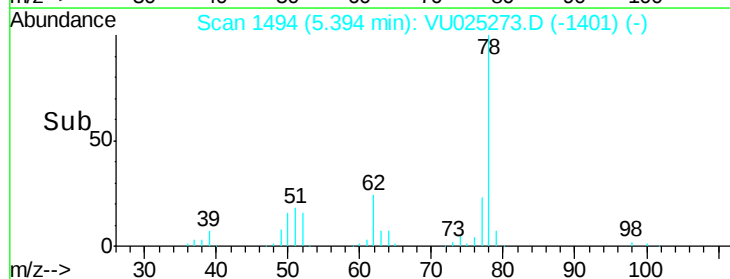
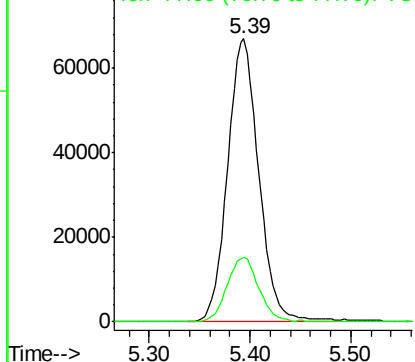


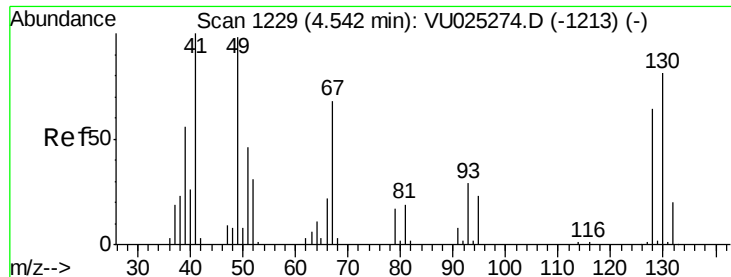
#40
Benzene
Concen: 19.098 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion: 78 Resp: 144322
Ion Ratio Lower Upper
78 100
77 22.8 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#41

Methacrylonitrile

Concen: 19.457 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 31548

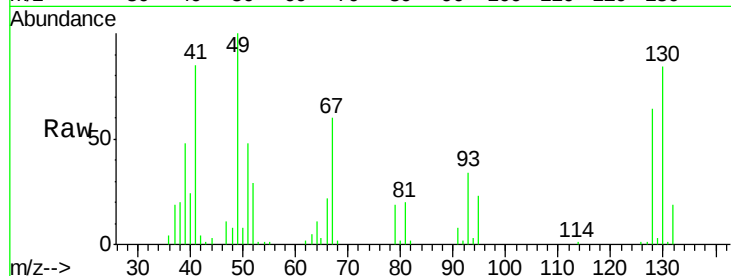
Ion Ratio Lower Upper

41 100

39 57.1 44.4 66.6

67 69.2 56.0 84.0

52 30.3 24.6 36.8

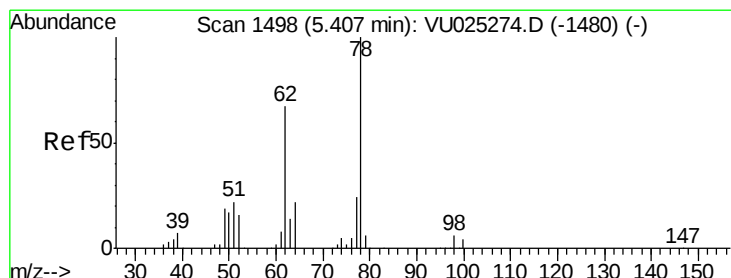
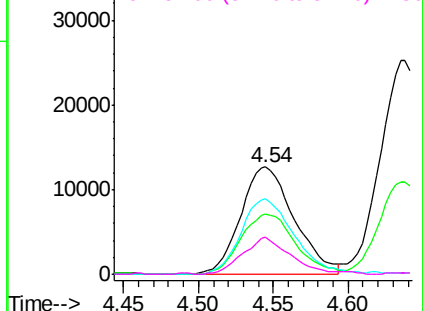
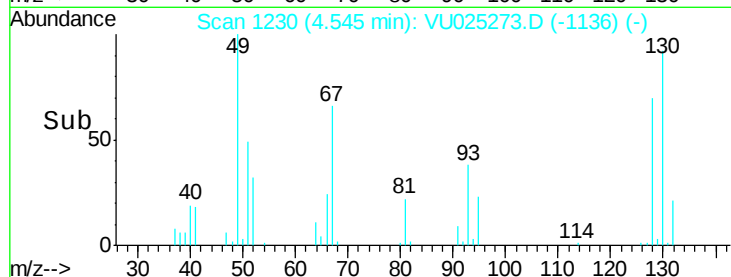


Abundance Ion 41.00 (40.70 to 41.70): VU025273.D (-1136) (-)

Ion 39.00 (38.70 to 39.70): VU025273.D (-1136) (-)

Ion 67.00 (66.70 to 67.70): VU025273.D (-1136) (-)

Ion 52.00 (51.70 to 52.70): VU025273.D (-1136) (-)



#42

1,2-Dichloroethane

Concen: 20.029 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VU025273.D

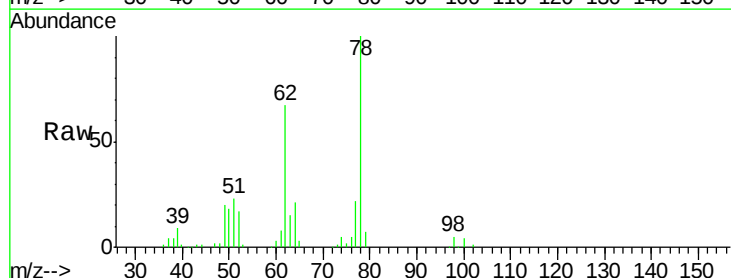
Acq: 09 Jul 2018 14:54

Tgt Ion: 62 Resp: 60166

Ion Ratio Lower Upper

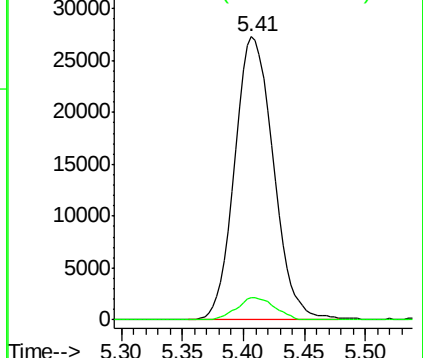
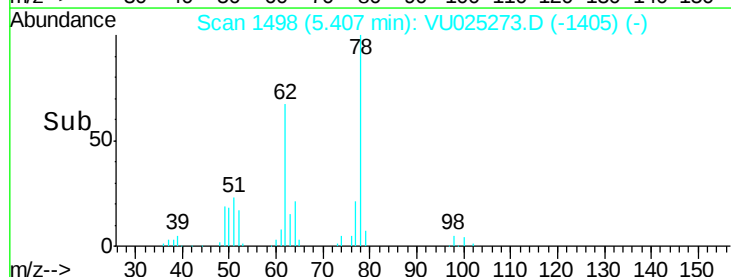
62 100

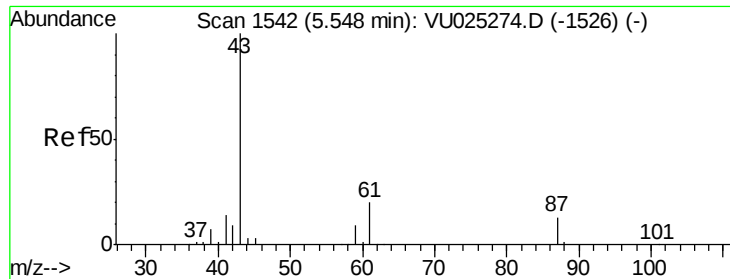
98 7.7 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VU025273.D (-1405) (-)

Ion 97.90 (97.60 to 98.60): VU025273.D (-1405) (-)

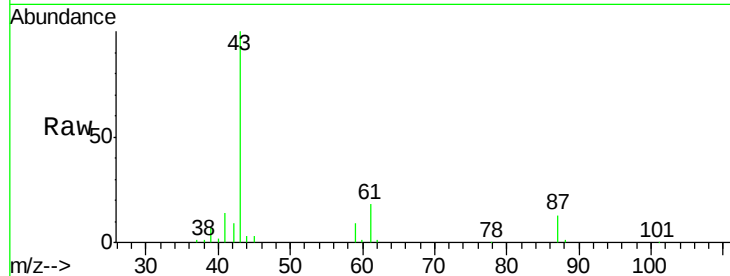




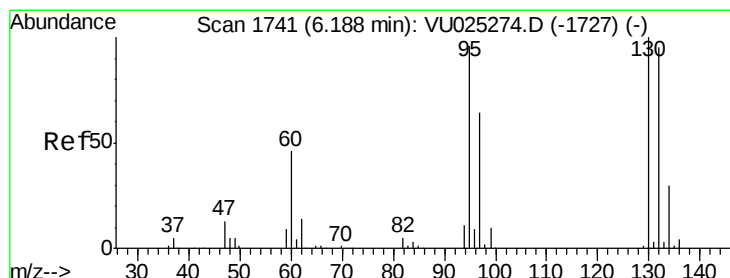
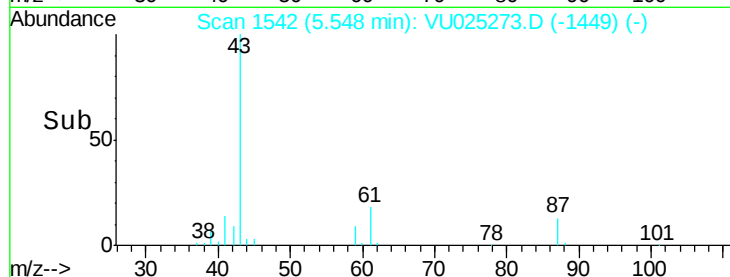
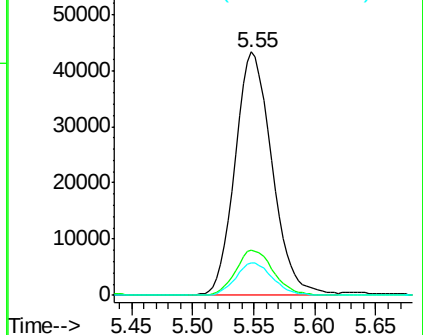
#43
Isopropyl Acetate
Concen: 19.518 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 91408
Ion Ratio Lower Upper
43 100
61 18.7 15.5 23.3
87 13.1 10.6 16.0

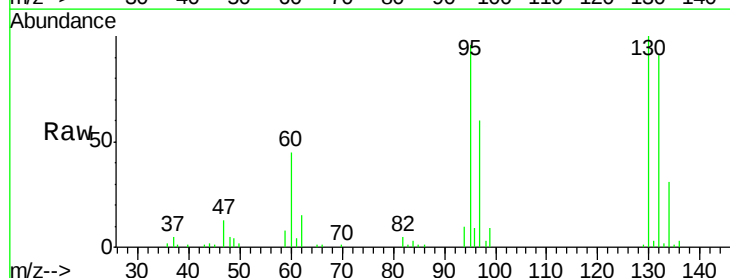


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

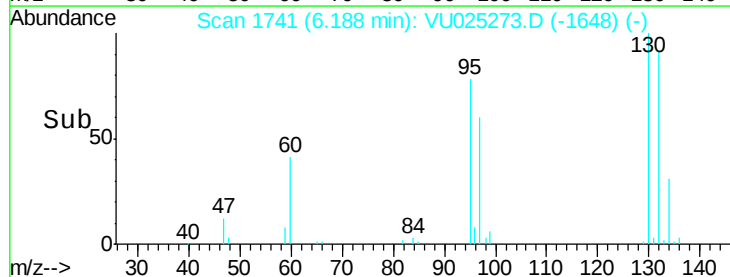
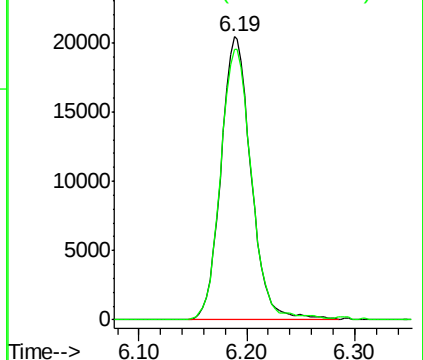


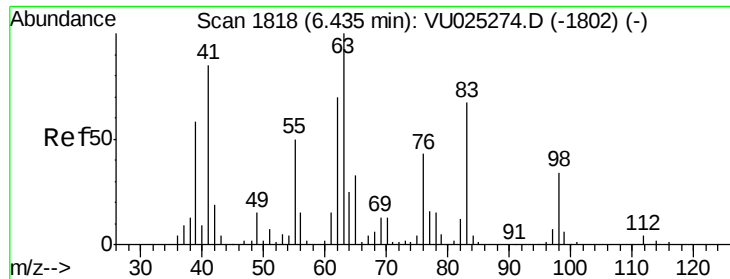
#44
Trichloroethene
Concen: 18.260 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion: 130 Resp: 39622
Ion Ratio Lower Upper
130 100
95 95.5 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0

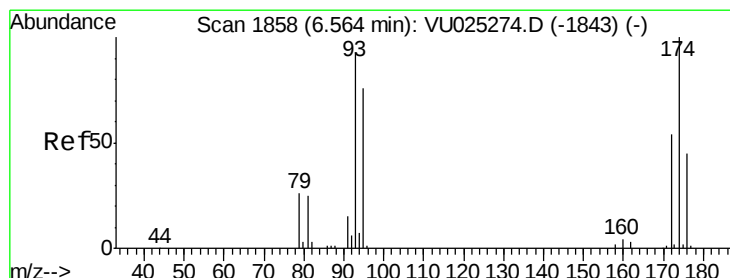
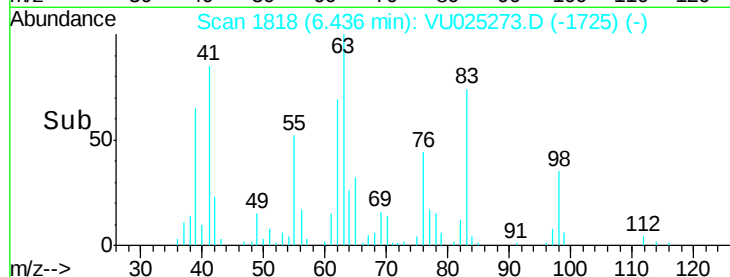
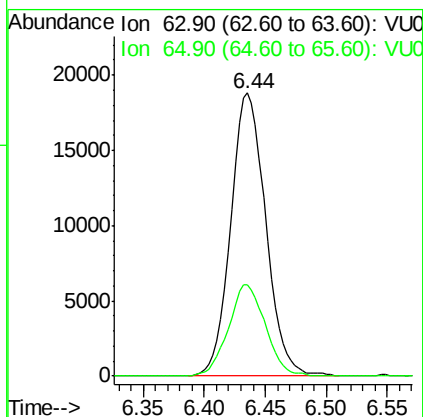
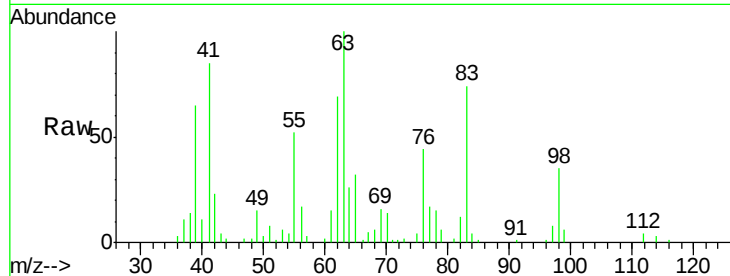




#45
 1,2-Dichloropropane
 Concen: 18.966 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

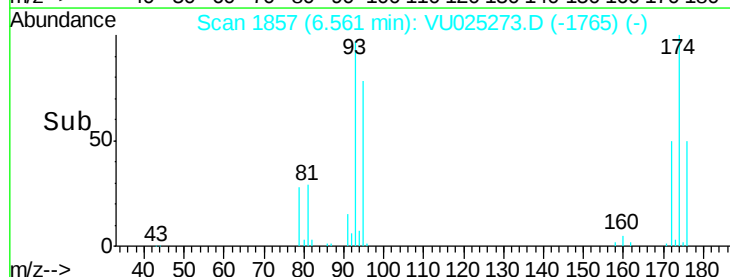
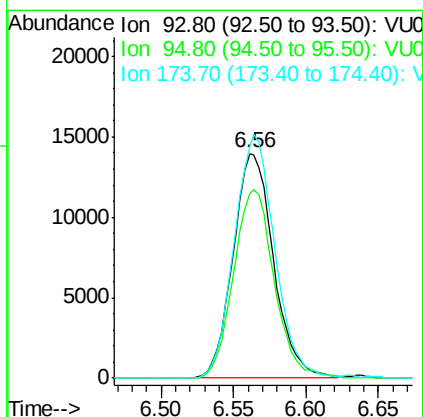
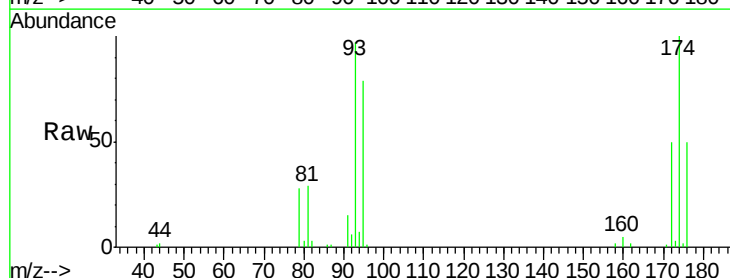
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

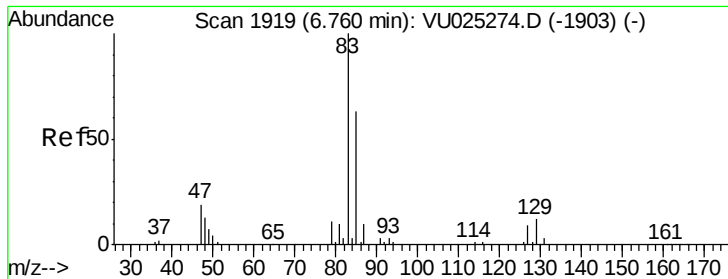
Tgt Ion: 63 Resp: 37539
 Ion Ratio Lower Upper
 63 100
 65 32.3 26.1 39.1



#46
 Dibromomethane
 Concen: 18.825 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion: 93 Resp: 27116
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.6 100.0
 174 107.9 85.8 128.8





#47

Bromodichloromethane

Concen: 19.025 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

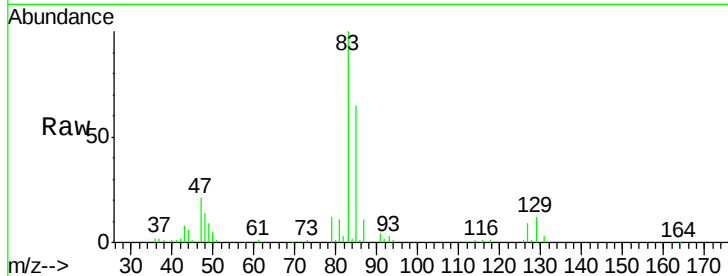
Tgt Ion: 83 Resp: 50908

Ion Ratio Lower Upper

83 100

85 65.1 50.2 75.4

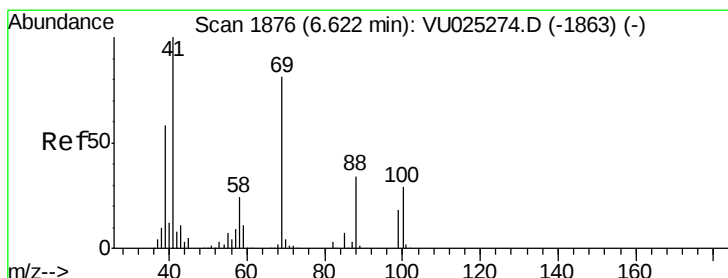
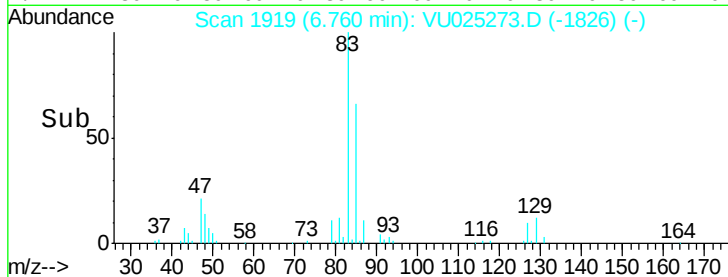
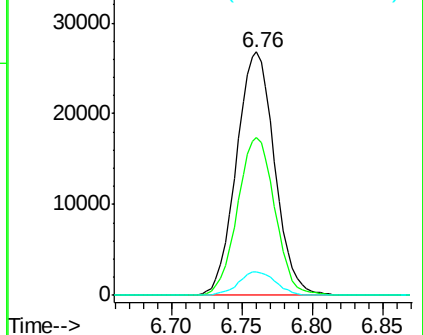
127 9.4 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU025273.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025273.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025273.D (-1826) (-)



#48

Methyl methacrylate

Concen: 19.469 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

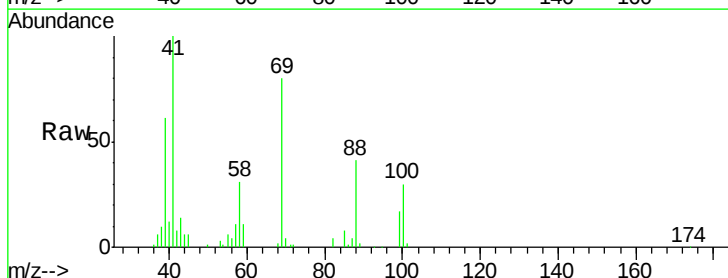
Tgt Ion: 41 Resp: 45453

Ion Ratio Lower Upper

41 100

69 82.0 65.0 97.4

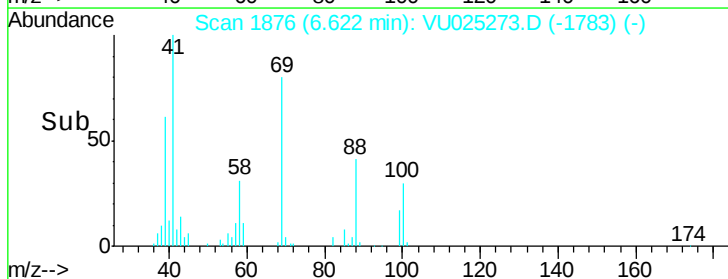
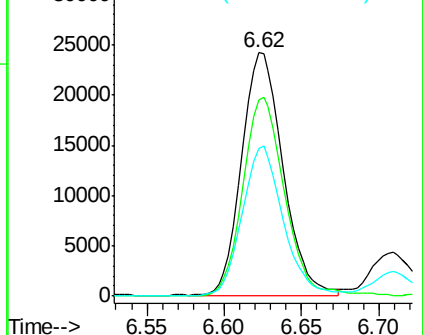
39 60.8 46.4 69.6

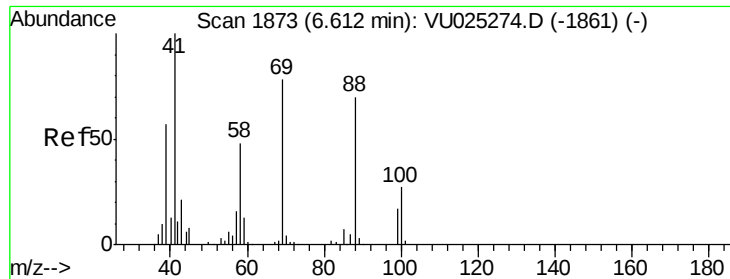


Abundance Ion 41.00 (40.70 to 41.70): VU025273.D (-1783) (-)

Ion 69.00 (68.70 to 69.70): VU025273.D (-1783) (-)

Ion 39.00 (38.70 to 39.70): VU025273.D (-1783) (-)

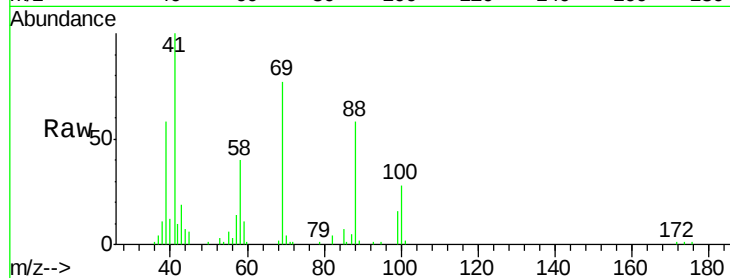




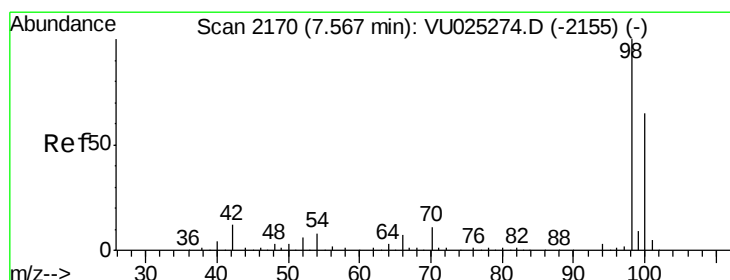
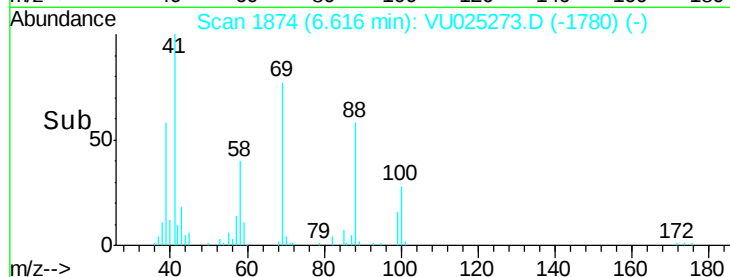
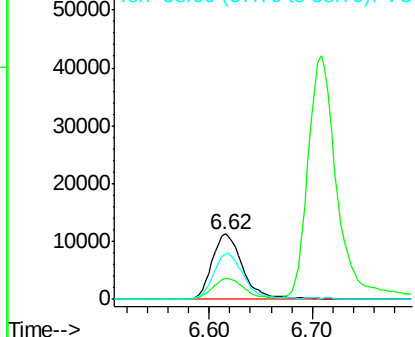
#49
1,4-Dioxane
Concen: 418.087 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 23487
Ion Ratio Lower Upper
88 100
43 33.6 27.3 40.9
58 69.3 57.6 86.4

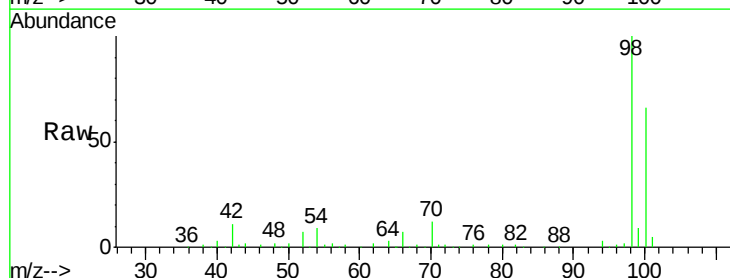


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

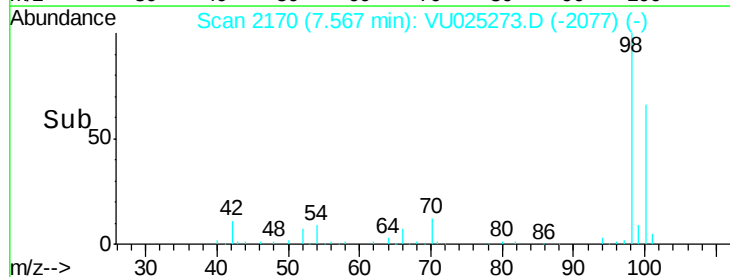
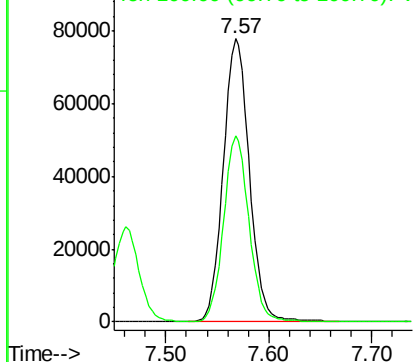


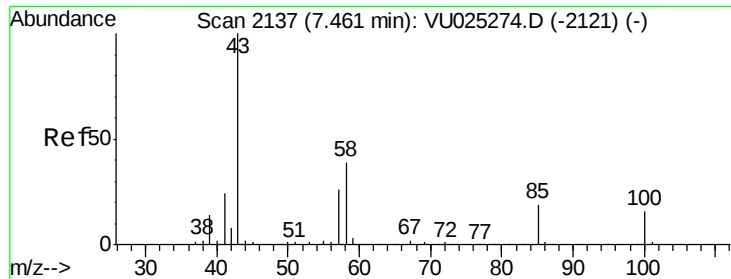
#50
Toluene-d8
Concen: 20.246 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion: 98 Resp: 137953
Ion Ratio Lower Upper
98 100
100 63.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 97.538 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

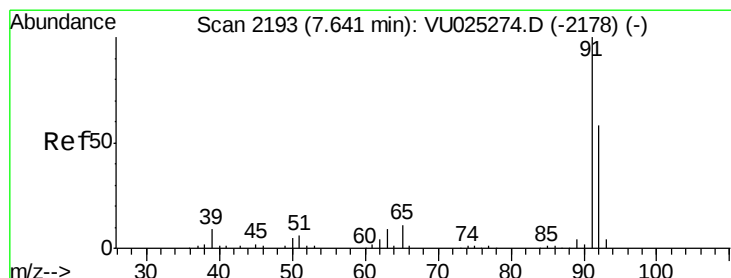
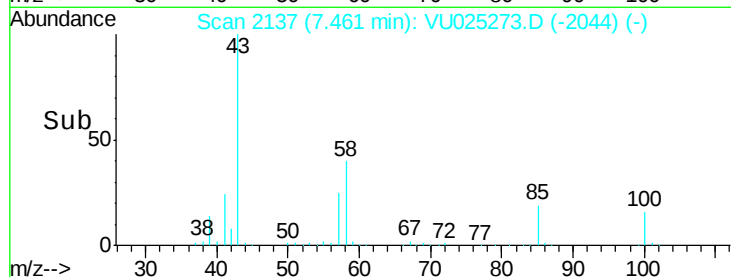
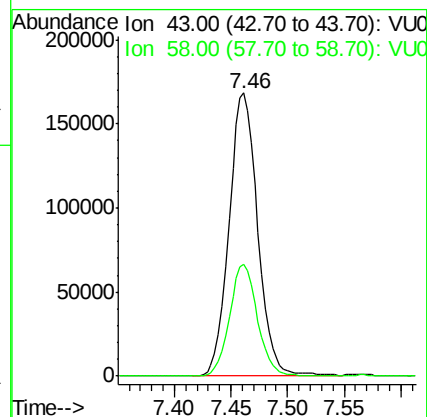
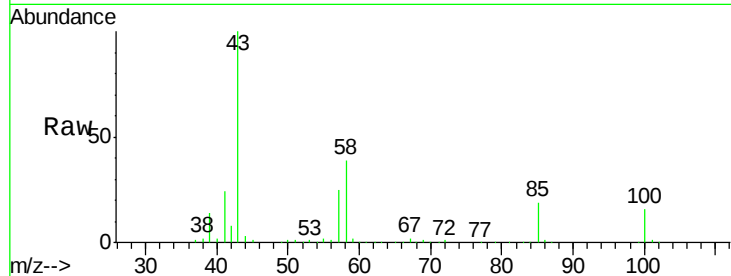
VSTDIC020

Tgt Ion: 43 Resp: 296891

Ion Ratio Lower Upper

43 100

58 38.4 31.0 46.4



#52

Toluene

Concen: 18.904 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025273.D

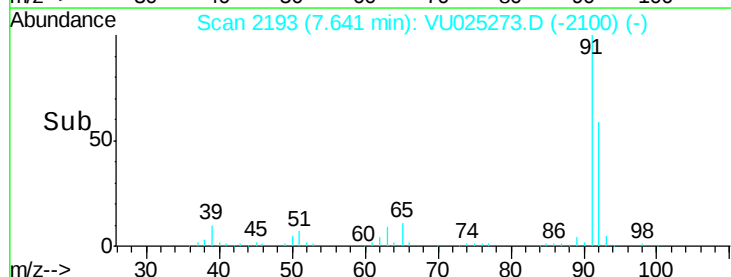
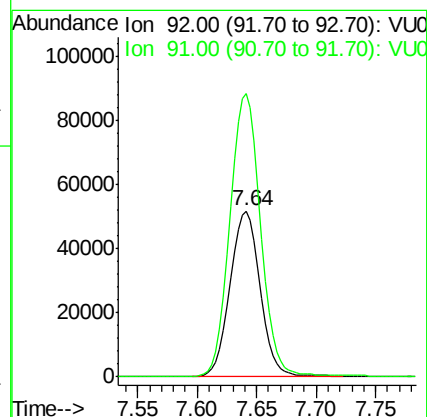
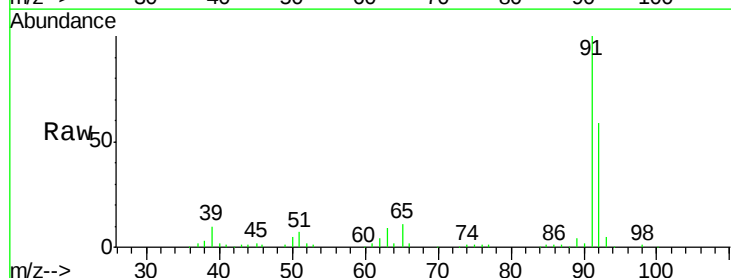
Acq: 09 Jul 2018 14:54

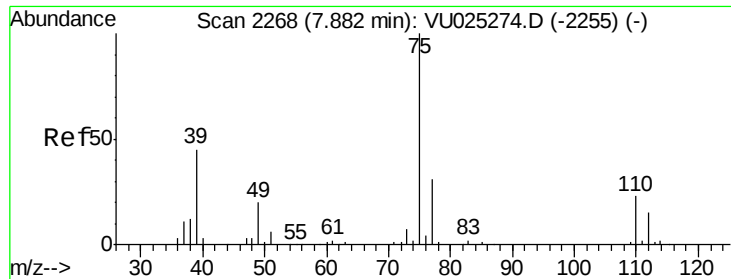
Tgt Ion: 92 Resp: 90886

Ion Ratio Lower Upper

92 100

91 173.4 139.2 208.8

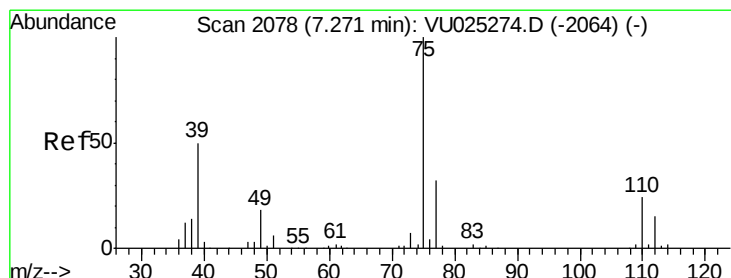
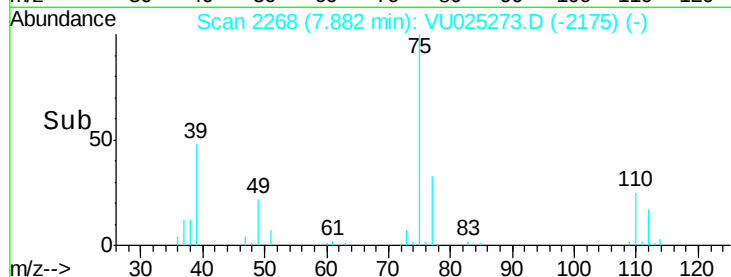
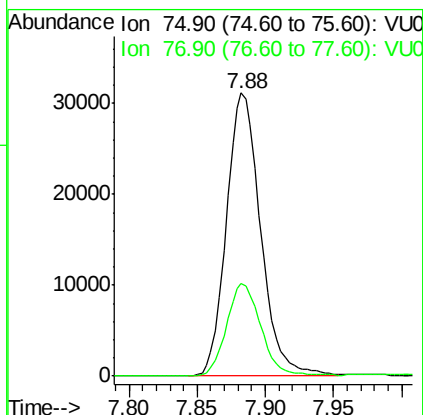
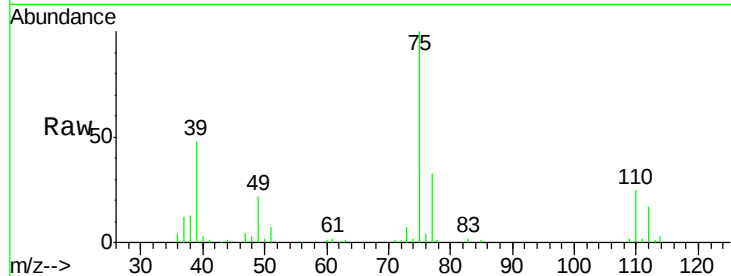




#53
t-1,3-Dichloropropene
Concen: 18.501 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

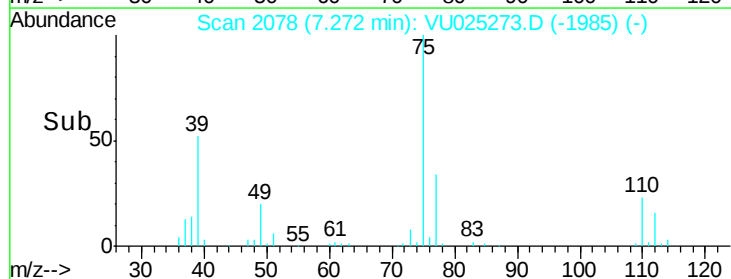
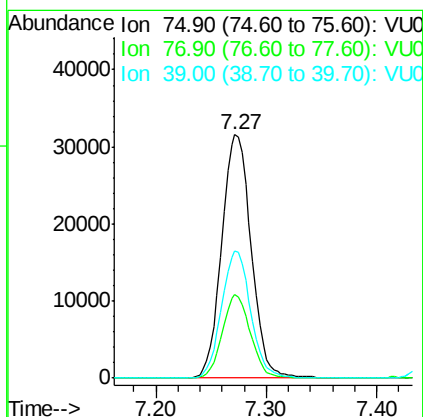
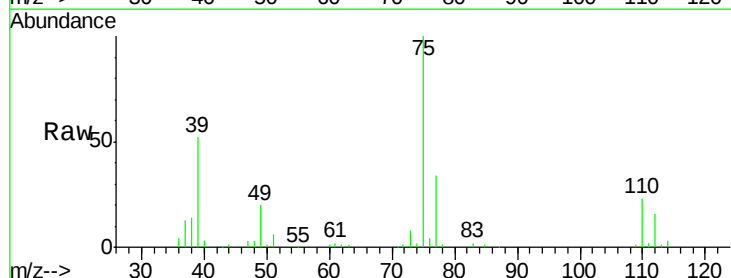
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

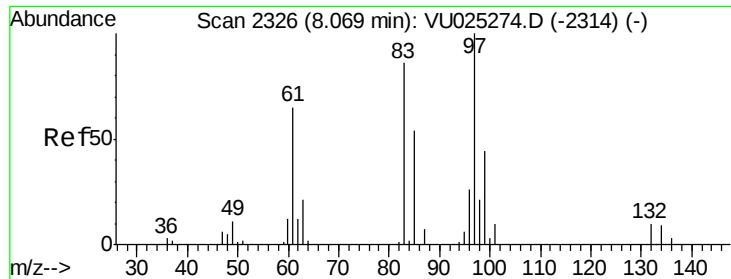
Tgt Ion: 75 Resp: 54391
Ion Ratio Lower Upper
75 100
77 32.6 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 18.724 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion: 75 Resp: 58586
Ion Ratio Lower Upper
75 100
77 34.4 25.6 38.4
39 52.4 40.0 60.0

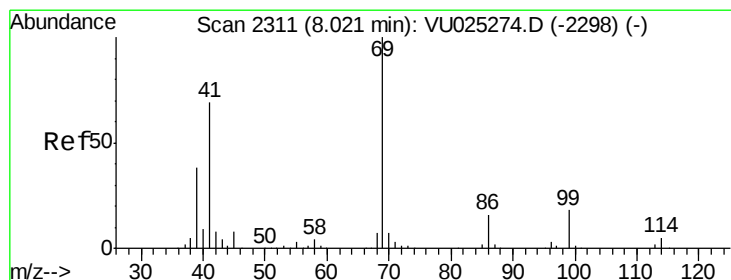
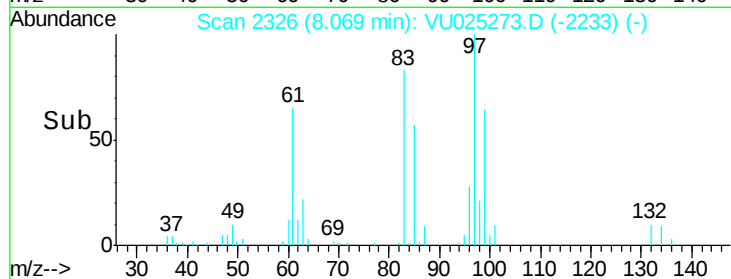
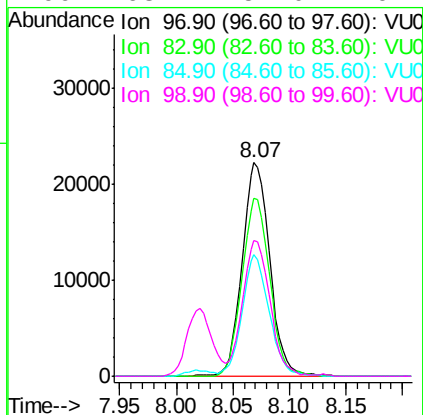
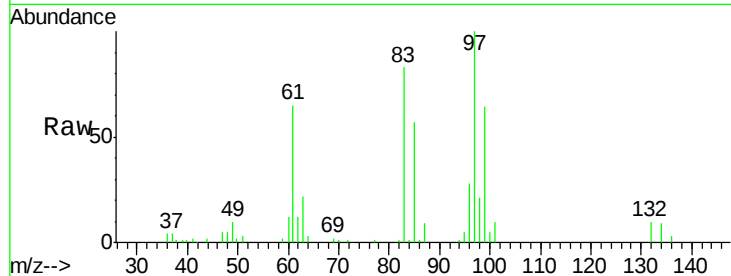




#55
 1,1,2-Trichloroethane
 Concen: 18.934 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

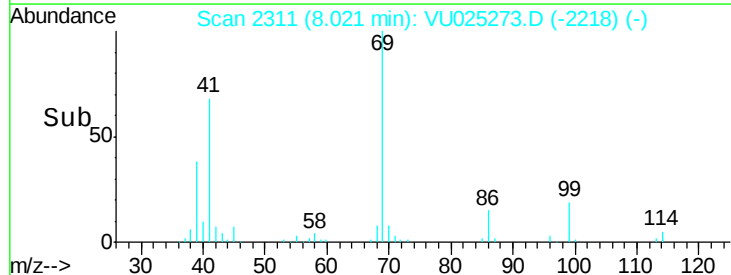
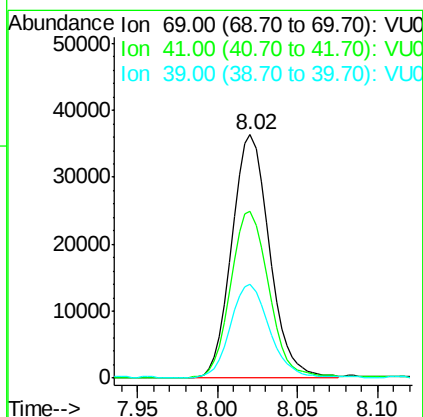
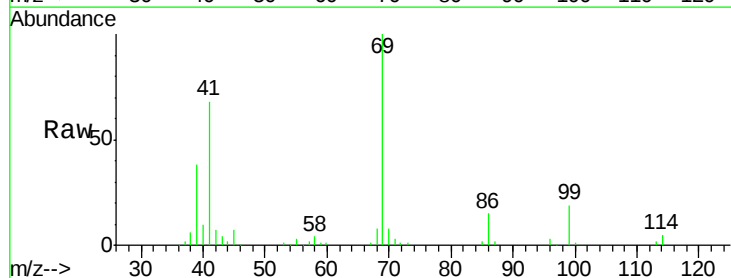
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

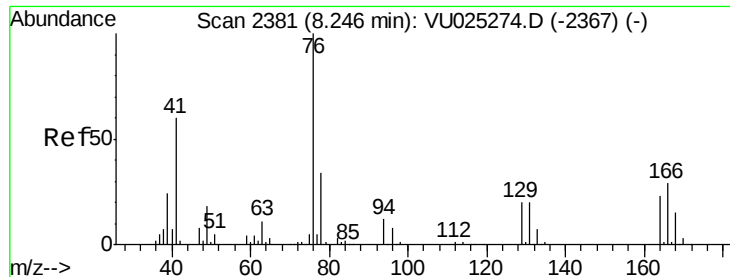
Tgt Ion: 97 Resp: 37912
 Ion Ratio Lower Upper
 97 100
 83 83.4 68.9 103.3
 85 57.0 44.4 66.6
 99 63.7 51.0 76.4



#56
 Ethyl methacrylate
 Concen: 18.733 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion: 69 Resp: 58586
 Ion Ratio Lower Upper
 69 100
 41 70.0 54.8 82.2
 39 40.5 31.1 46.7

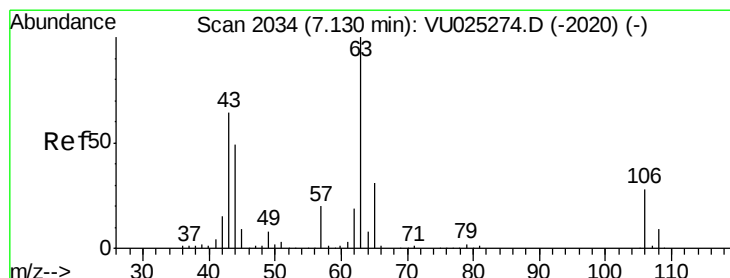
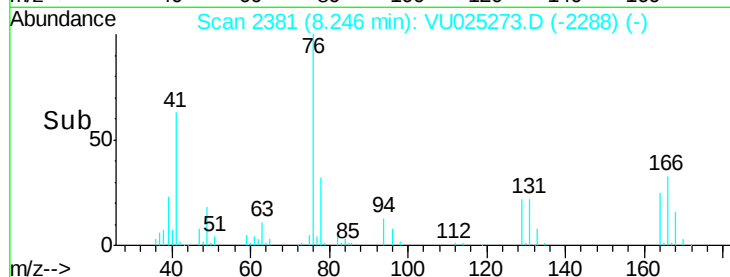
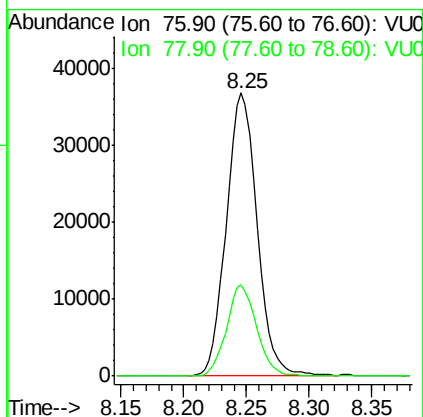
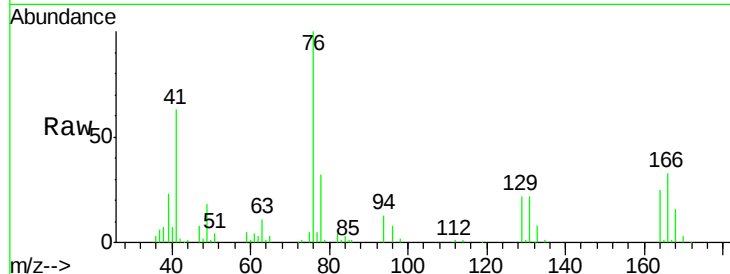




#57
 1,3-Dichloropropane
 Concen: 18.895 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

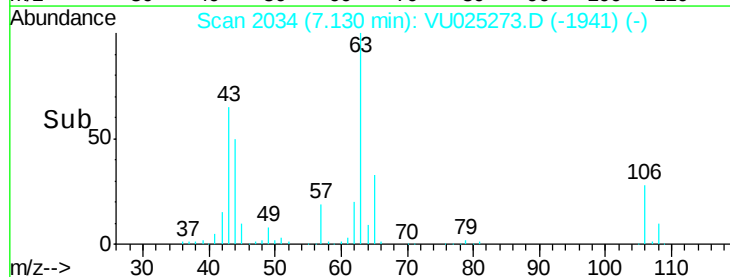
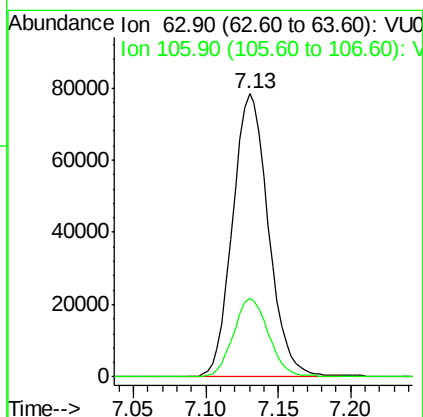
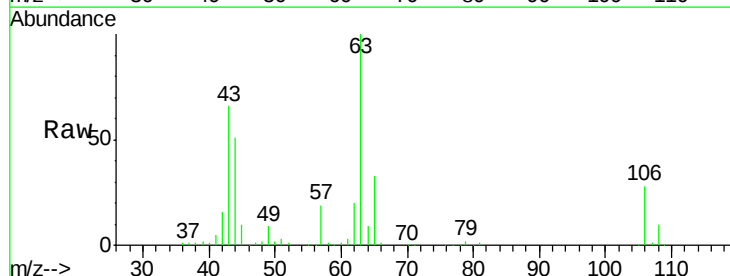
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

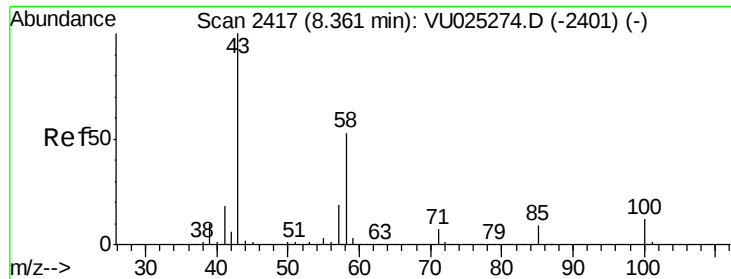
Tgt Ion: 76 Resp: 62807
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.888 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion: 63 Resp: 134513
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.3 33.5

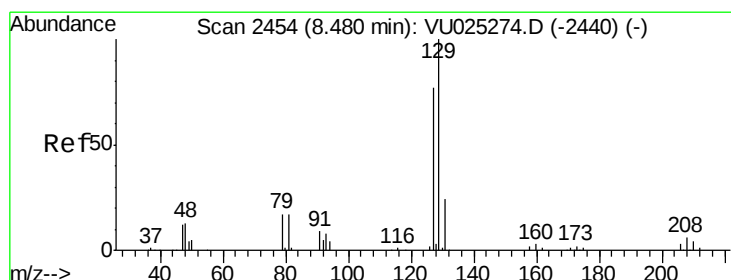
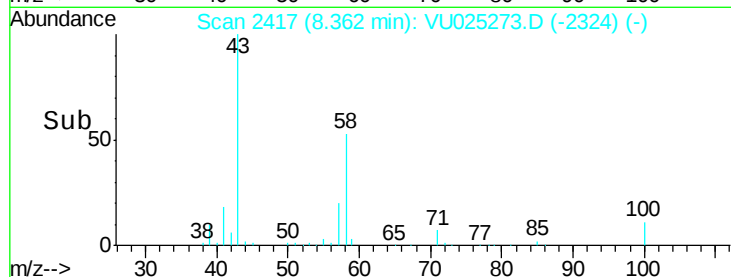
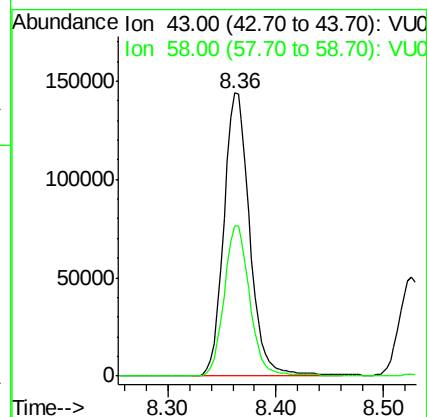
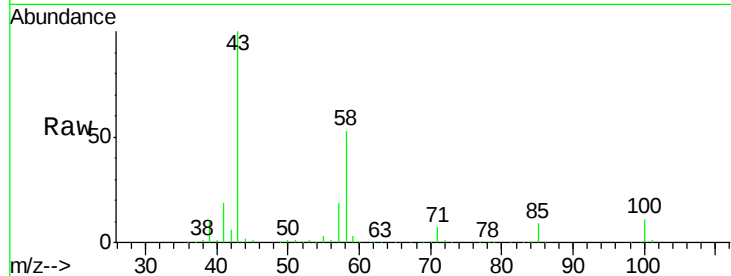




#59
2-Hexanone
Concen: 97.351 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

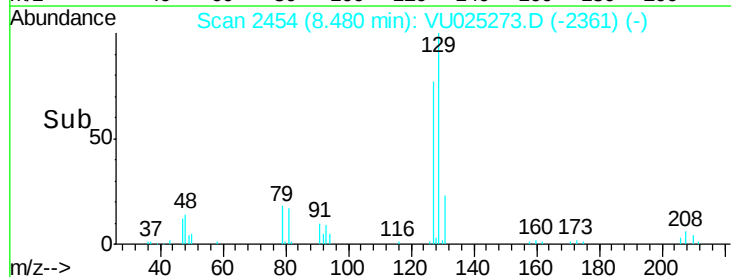
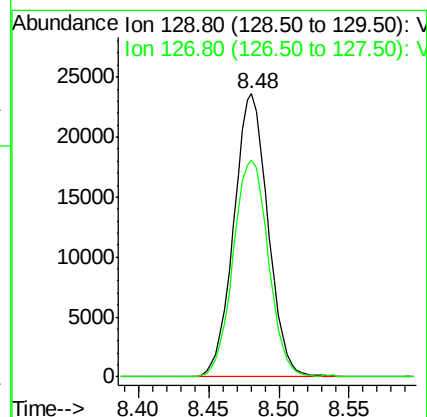
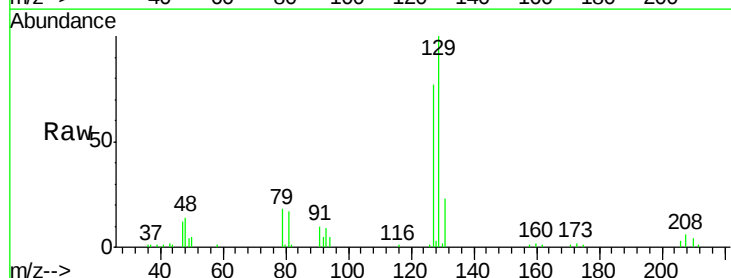
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

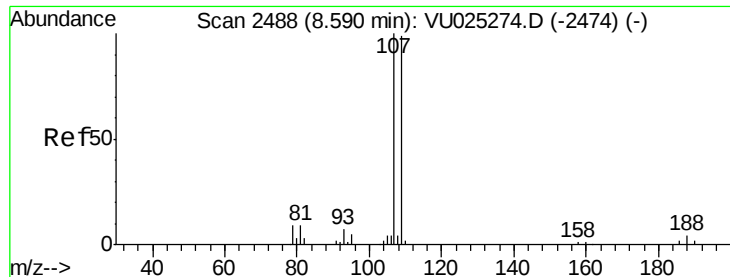
Tgt Ion: 43 Resp: 240355
Ion Ratio Lower Upper
43 100
58 52.8 26.2 78.5



#60
Dibromochloromethane
Concen: 18.560 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion: 129 Resp: 40134
Ion Ratio Lower Upper
129 100
127 78.6 38.6 115.8

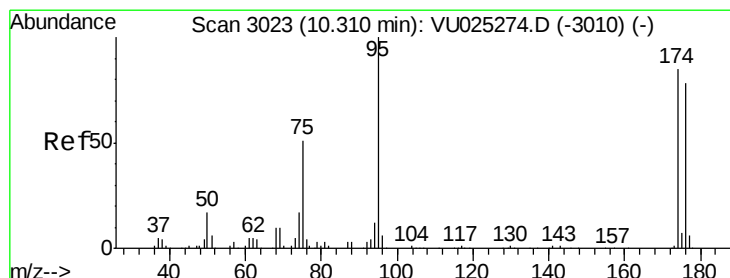
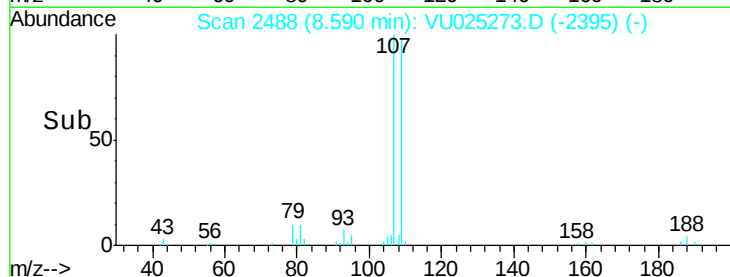
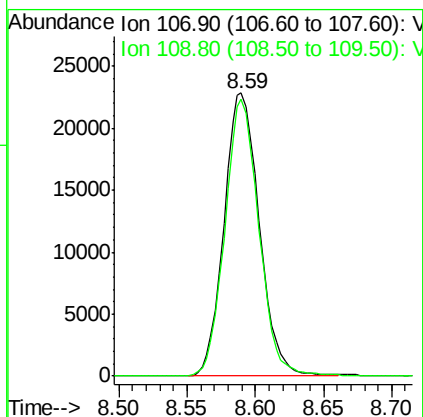
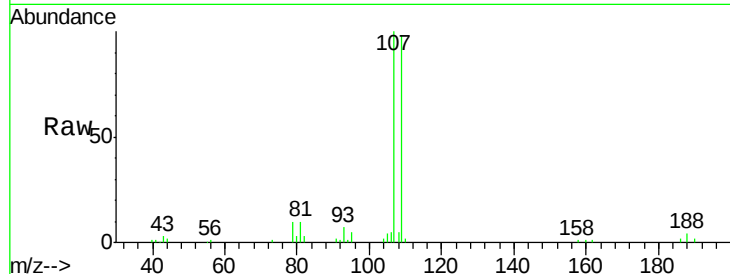




#61
 1,2-Dibromoethane
 Concen: 19.137 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

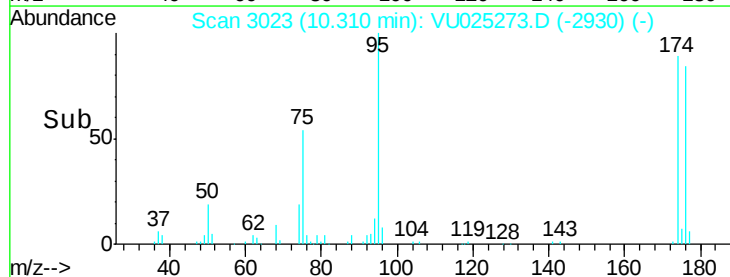
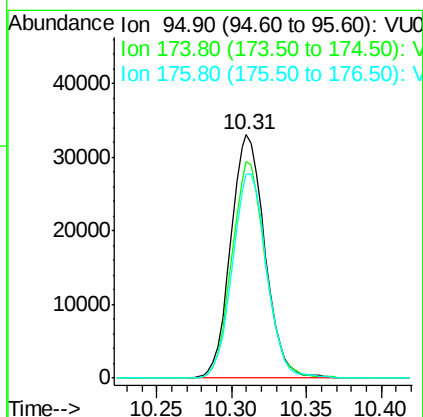
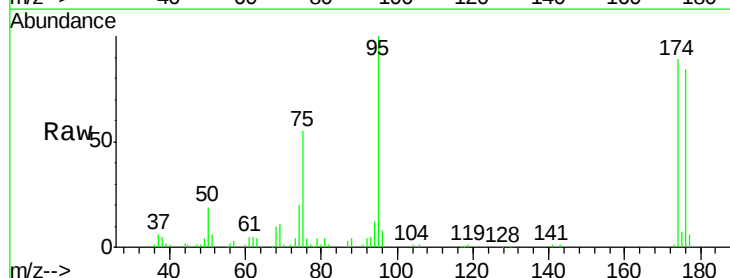
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

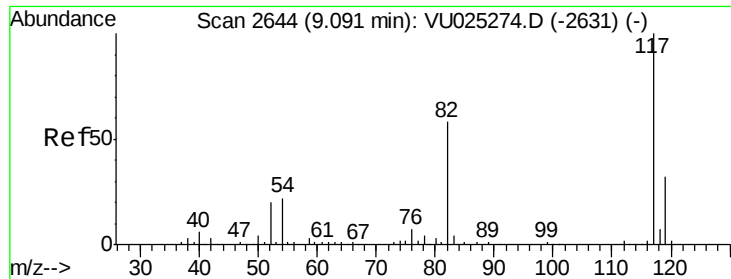
Tgt Ion: 107 Resp: 41001
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 19.109 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion: 95 Resp: 52421
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 172.2
 176 84.6 0.0 162.6

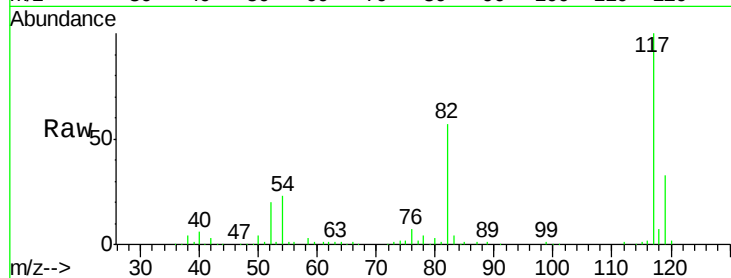




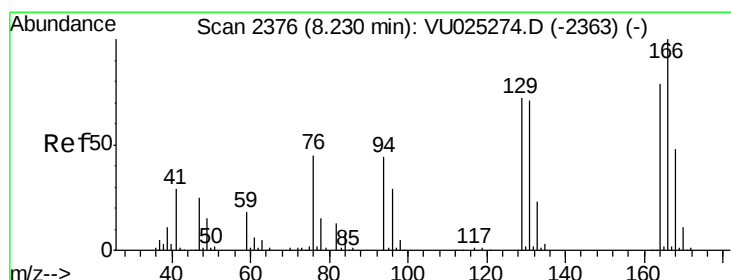
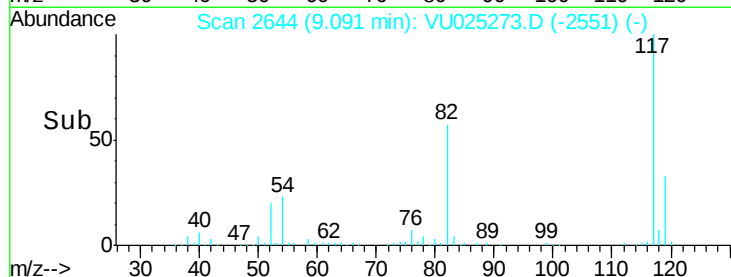
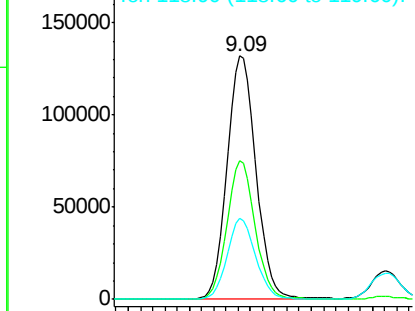
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 219605
Ion Ratio Lower Upper
117 100
82 57.1 46.0 69.0
119 33.1 26.0 39.0

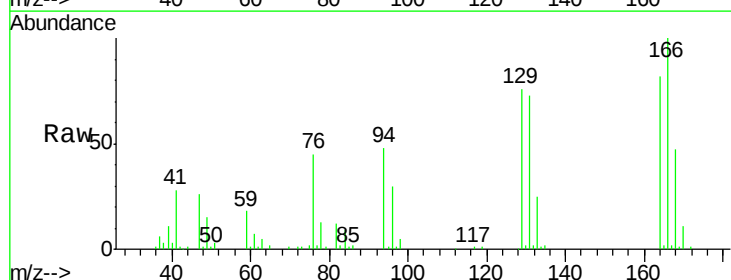


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

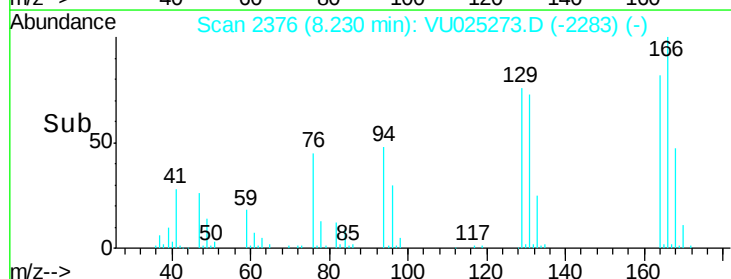
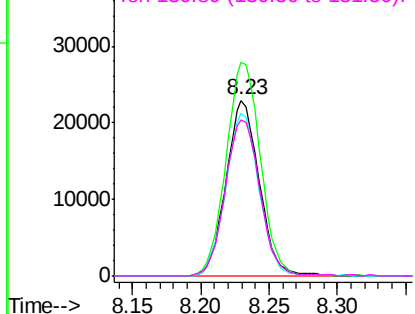


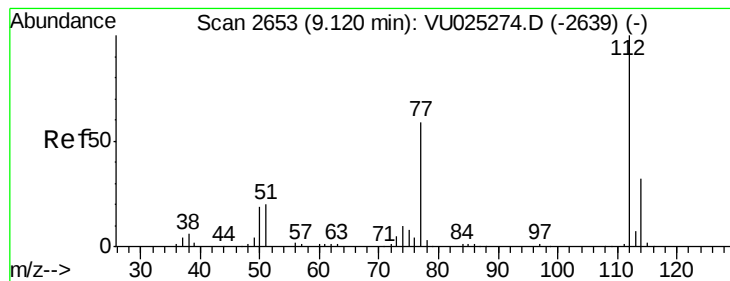
#64
Tetrachloroethene
Concen: 19.394 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion:164 Resp: 38824
Ion Ratio Lower Upper
164 100
166 121.5 101.1 151.7
129 92.4 73.0 109.6
131 88.9 72.1 108.1



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





#65

Chlorobenzene

Concen: 18.691 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

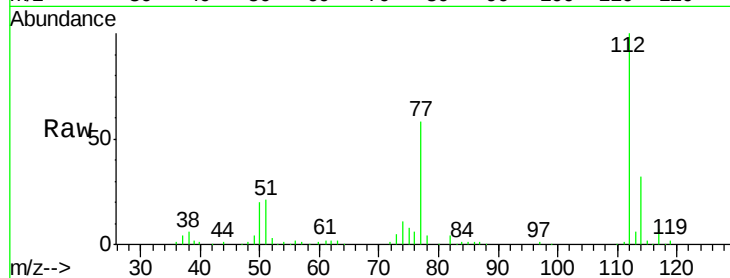
VSTDIC020

Tgt Ion:112 Resp: 102538

Ion Ratio Lower Upper

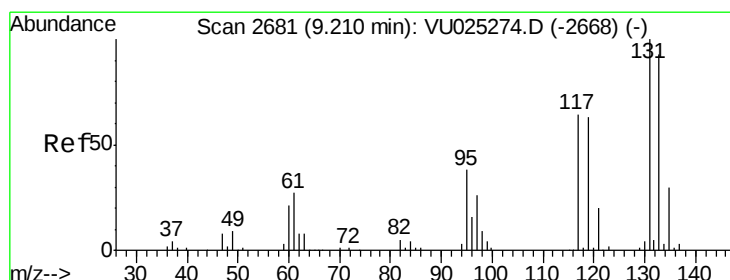
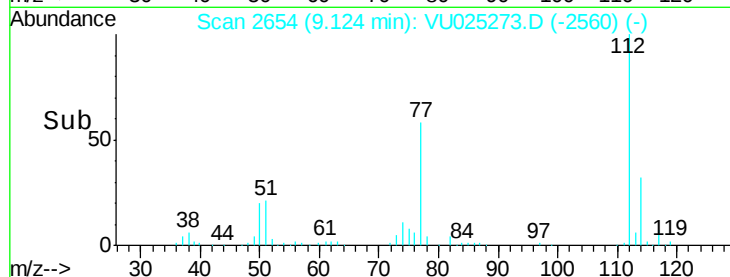
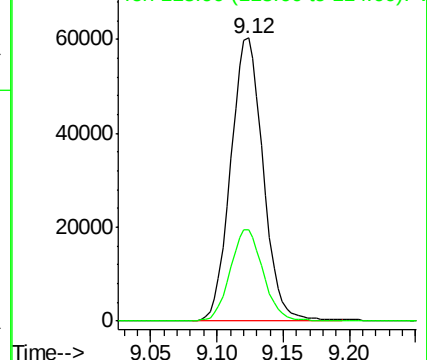
112 100

114 32.2 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.438 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

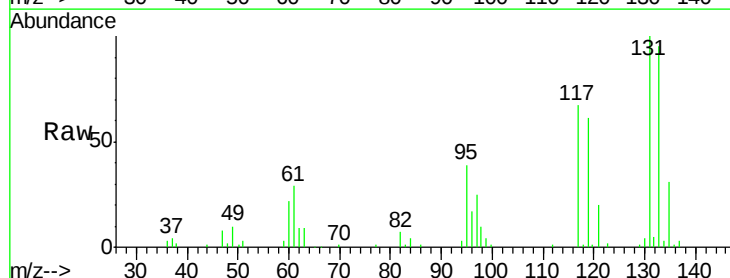
Tgt Ion:131 Resp: 38144

Ion Ratio Lower Upper

131 100

133 94.3 47.8 143.3

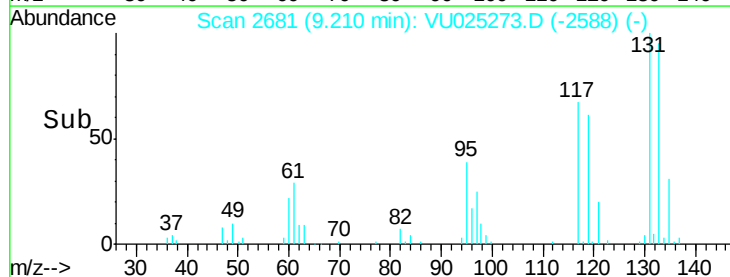
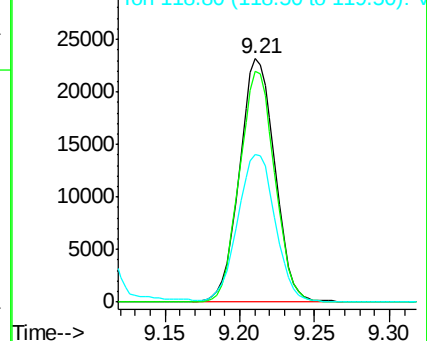
119 64.5 31.6 95.0

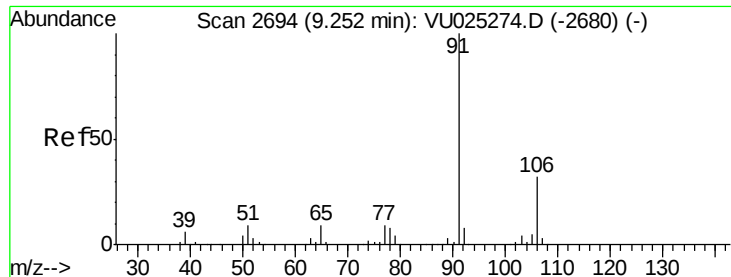


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

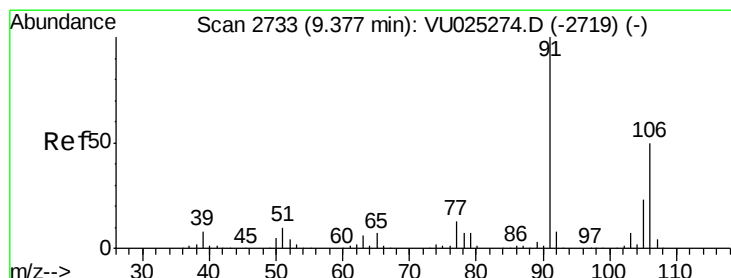
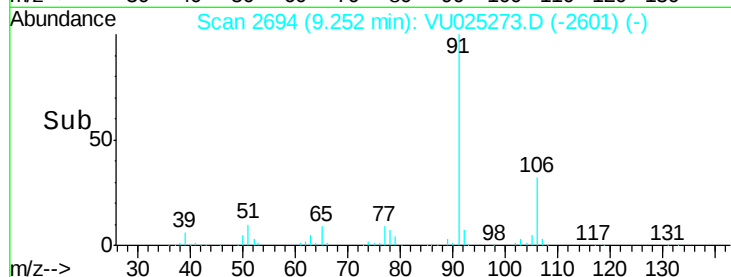
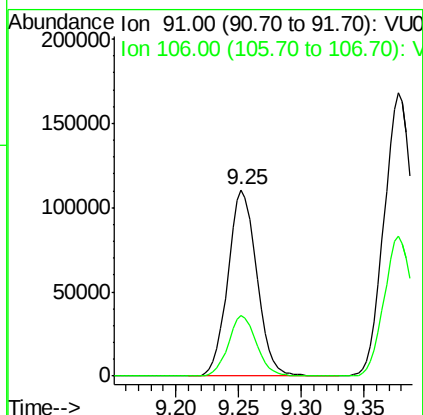
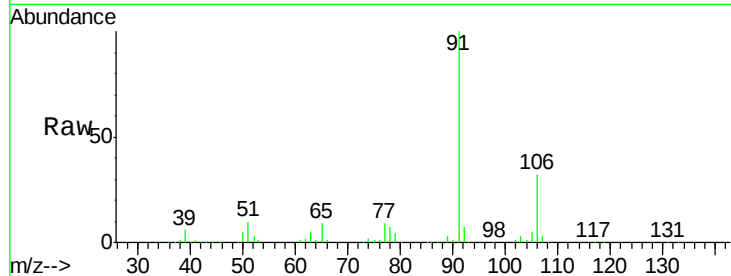




#67
Ethyl Benzene
Concen: 18.896 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

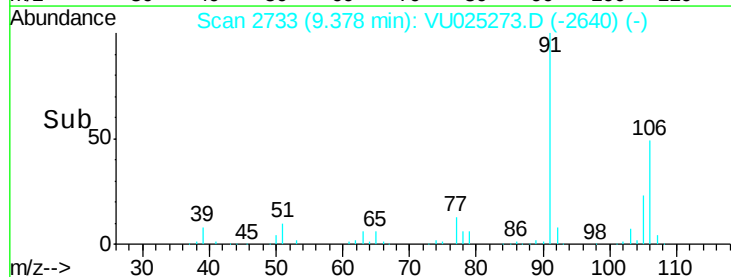
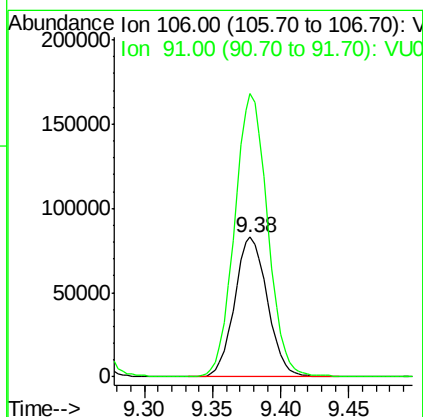
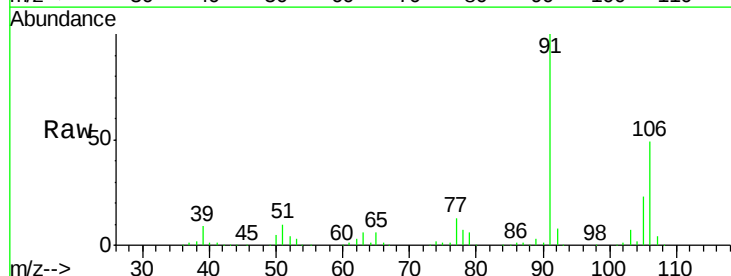
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 176731
Ion Ratio Lower Upper
91 100
106 32.5 25.3 37.9



#68
m/p-Xylenes
Concen: 38.107 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion: 106 Resp: 137789
Ion Ratio Lower Upper
106 100
91 205.3 162.3 243.5

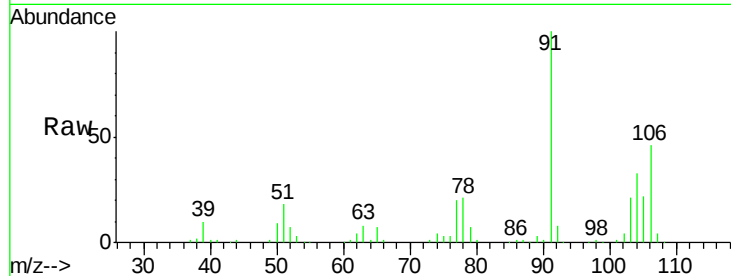




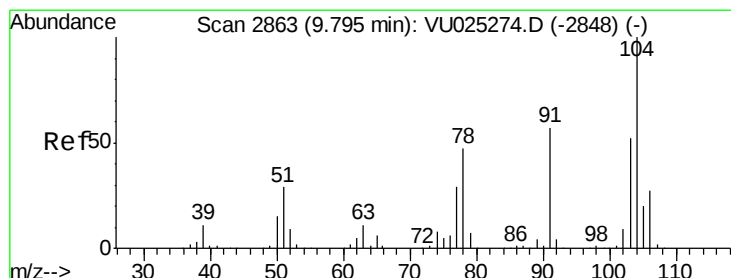
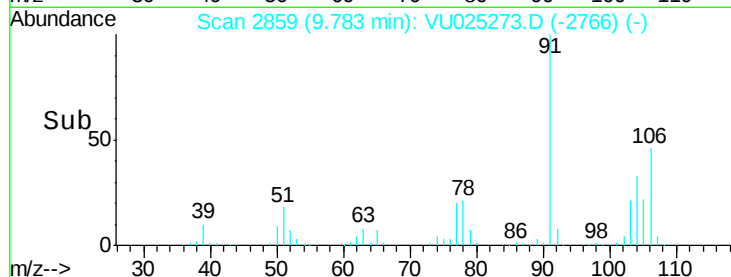
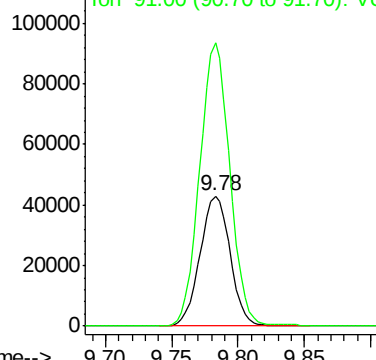
#69
o-Xylene
Concen: 18.728 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 67796
Ion Ratio Lower Upper
106 100
91 217.7 105.3 315.8

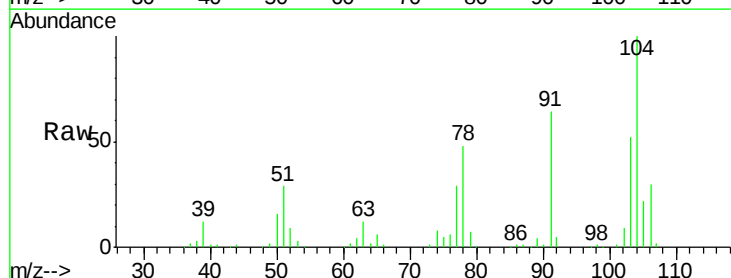


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

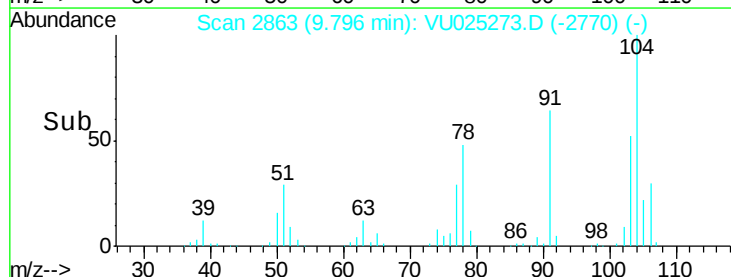
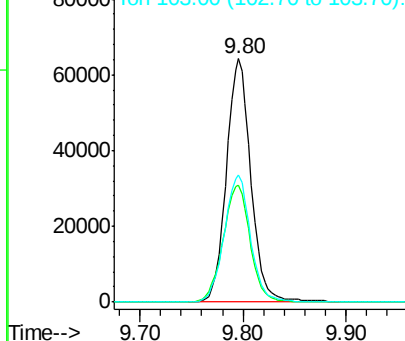


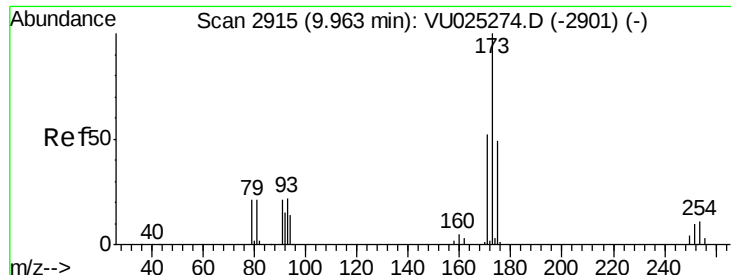
#70
Styrene
Concen: 18.482 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion:104 Resp: 106278
Ion Ratio Lower Upper
104 100
78 52.9 41.6 62.4
103 55.9 44.6 66.8



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: 18.324 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

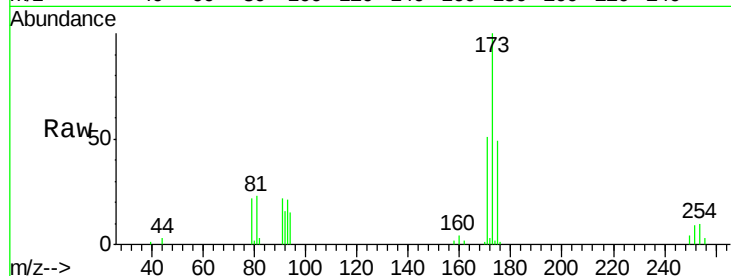
Tgt Ion:173 Resp: 31099

Ion Ratio Lower Upper

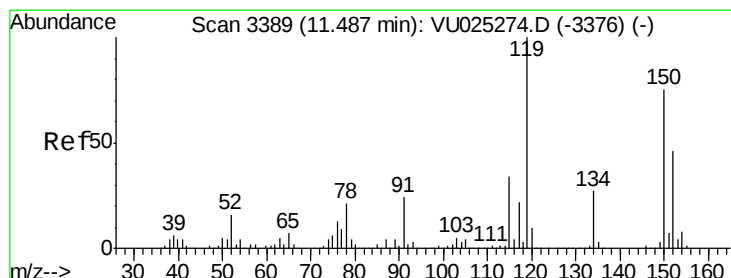
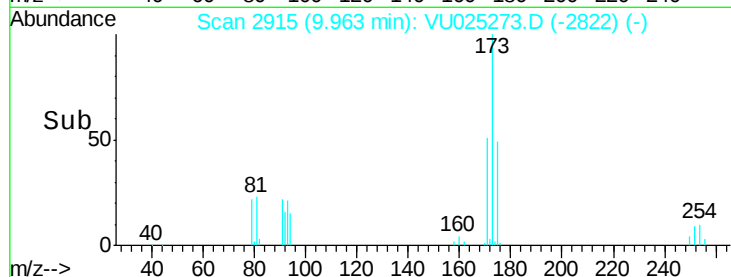
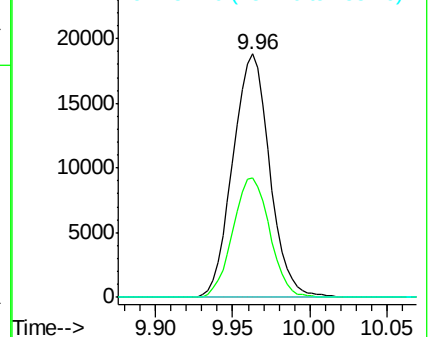
173 100

175 49.0 24.0 72.0

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: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

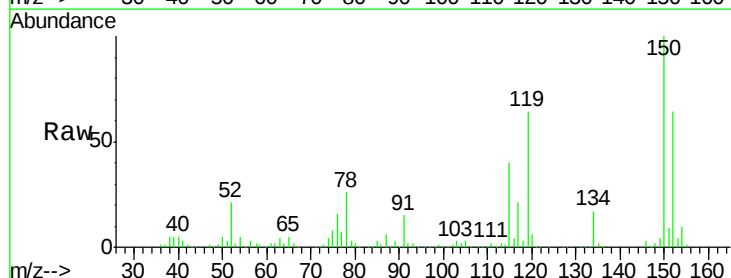
Tgt Ion:152 Resp: 126242

Ion Ratio Lower Upper

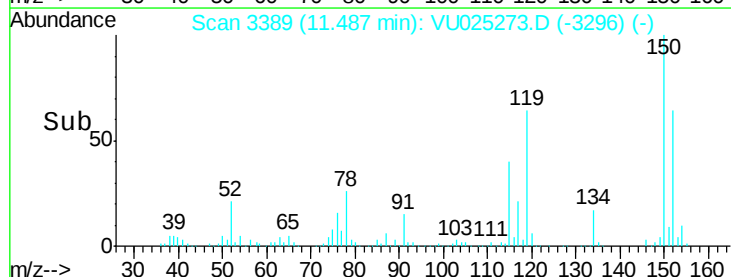
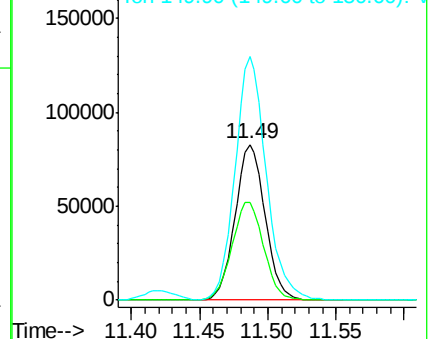
152 100

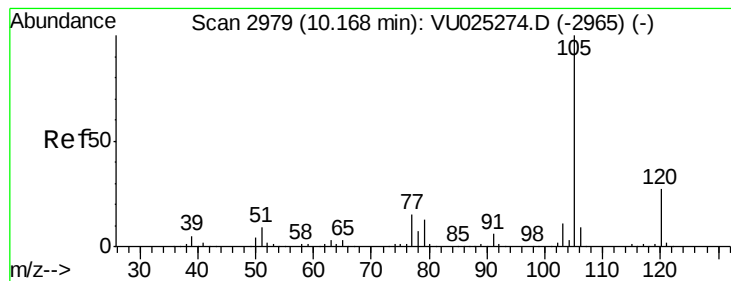
115 66.8 40.1 120.3

150 162.4 0.0 351.4



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: 19.148 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

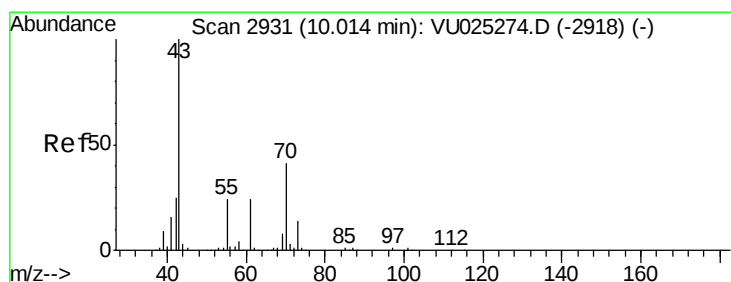
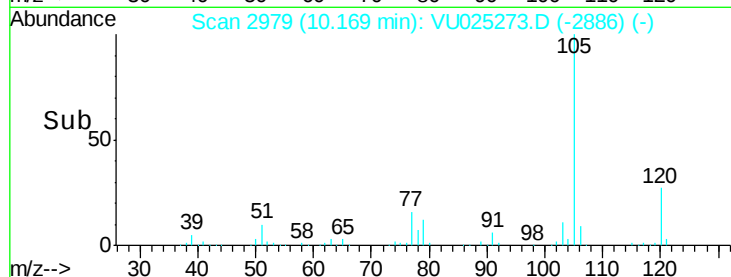
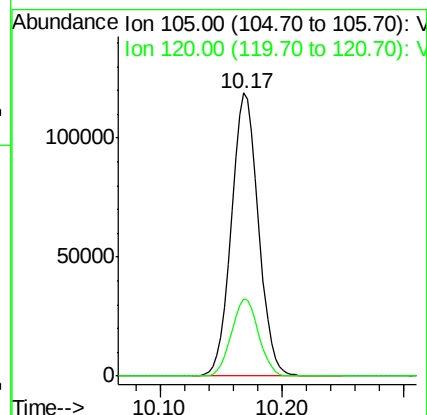
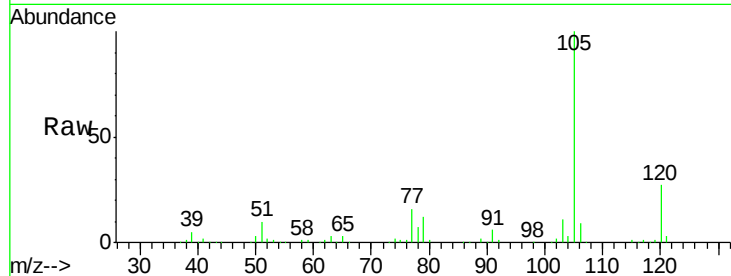
VSTDIC020

Tgt Ion:105 Resp: 184694

Ion Ratio Lower Upper

105 100

120 27.4 13.5 40.5



#74

N-ethyl acetate

Concen: 18.264 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Tgt Ion: 43 Resp: 76476

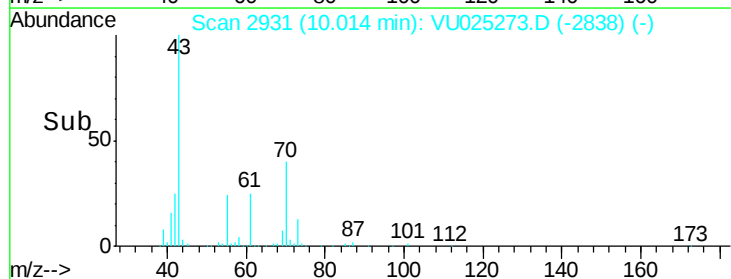
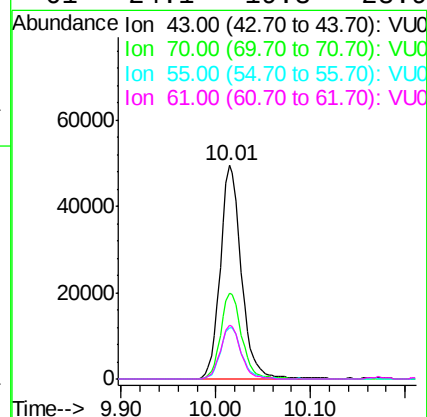
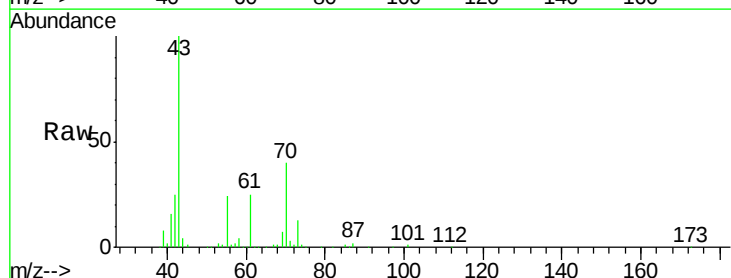
Ion Ratio Lower Upper

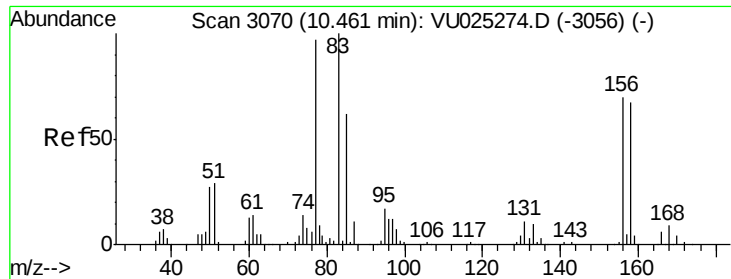
43 100

70 40.1 33.4 50.2

55 24.1 19.0 28.6

61 24.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.482 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

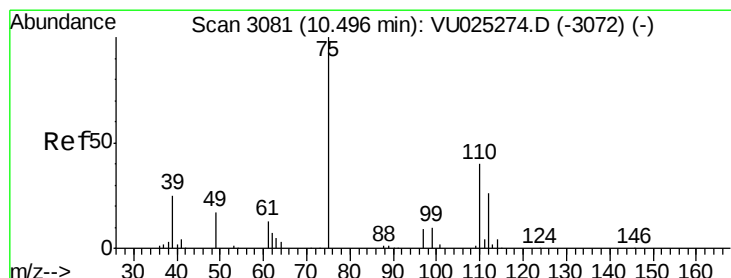
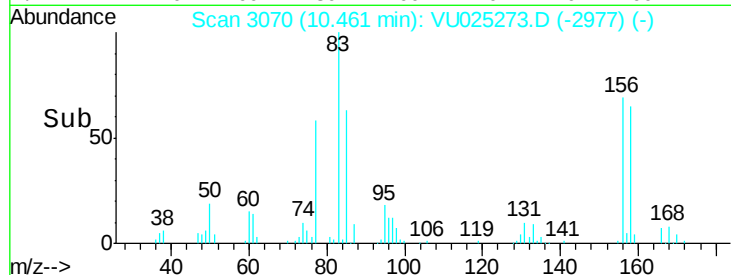
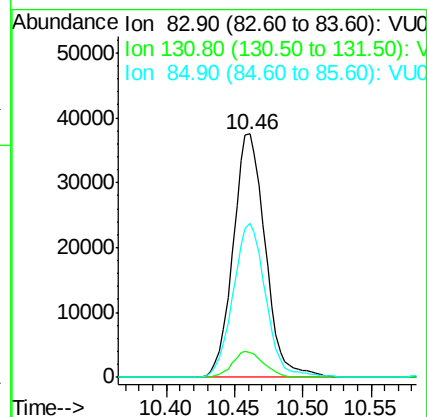
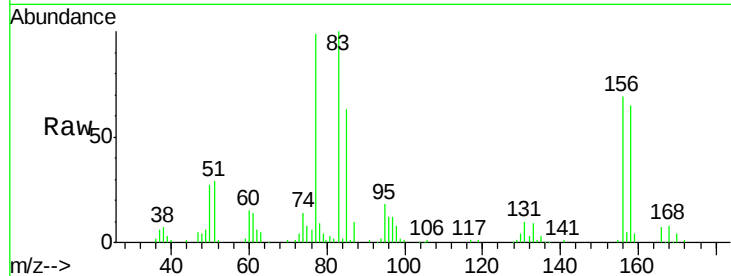
Tgt Ion: 83 Resp: 61480

Ion Ratio Lower Upper

83 100

131 10.3 5.5 16.4

85 64.1 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 25.278 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025273.D

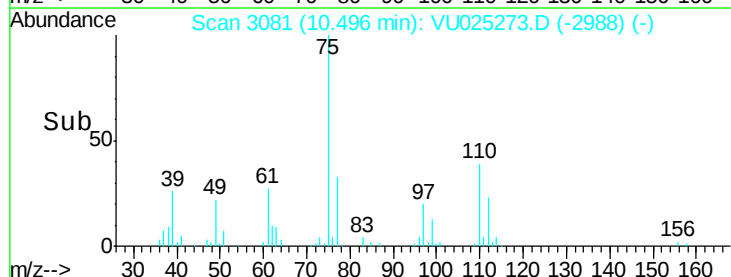
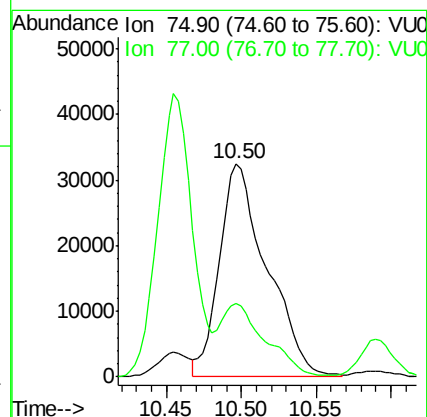
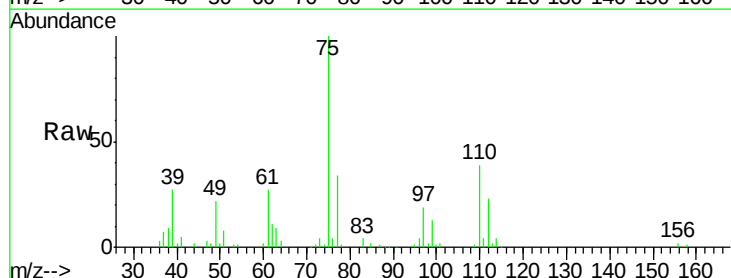
Acq: 09 Jul 2018 14:54

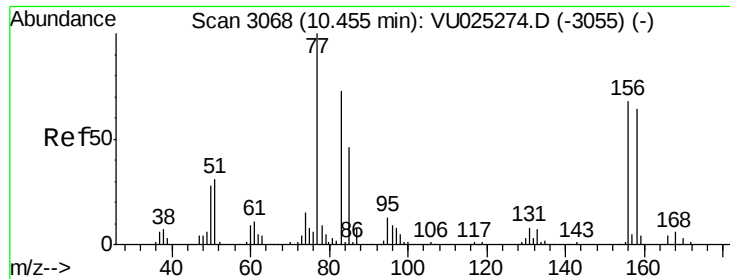
Tgt Ion: 75 Resp: 71985

Ion Ratio Lower Upper

75 100

77 30.9 20.4 61.3





#77

Bromobenzene

Concen: 18.813 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

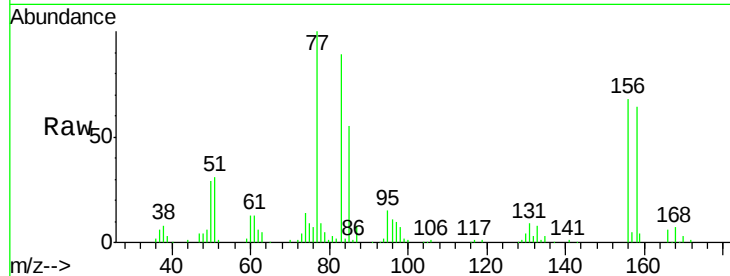
Tgt Ion:156 Resp: 46424

Ion Ratio Lower Upper

156 100

77 149.4 73.8 221.4

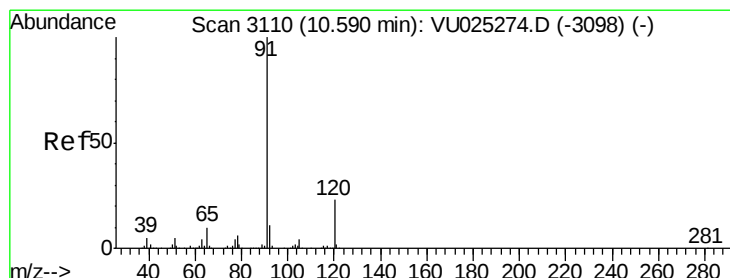
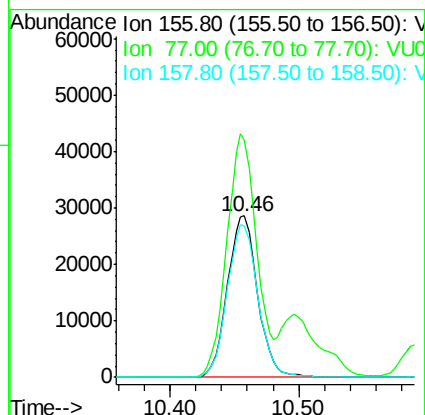
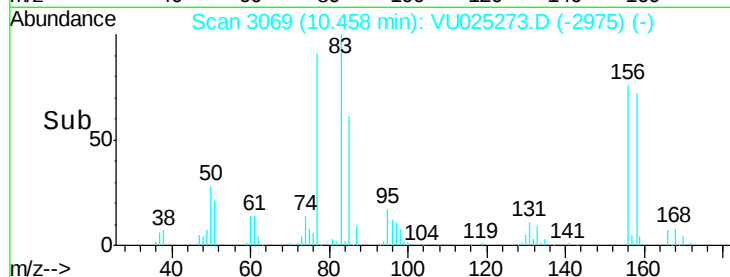
158 96.4 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.288 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025273.D

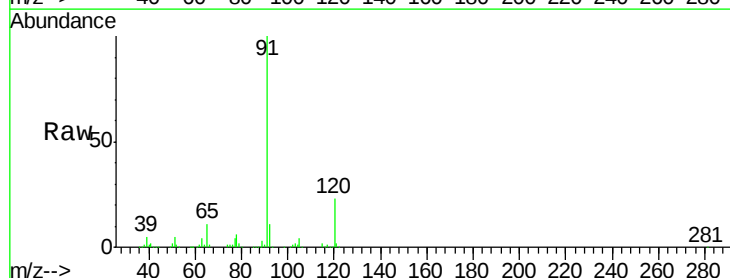
Acq: 09 Jul 2018 14:54

Tgt Ion: 91 Resp: 206450

Ion Ratio Lower Upper

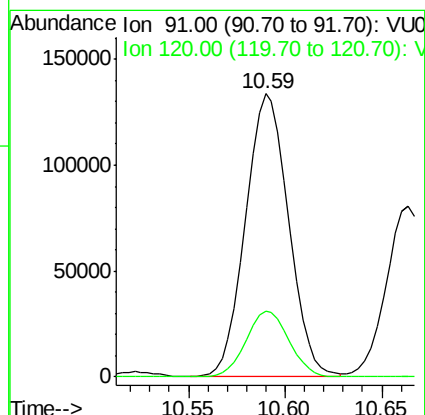
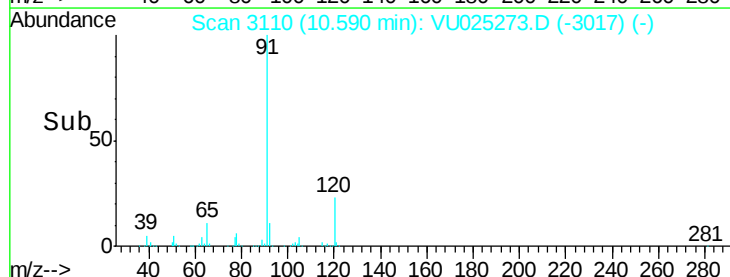
91 100

120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.758 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

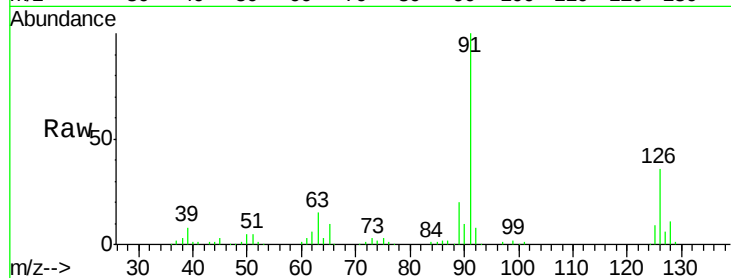
VSTDIC020

Tgt Ion: 91 Resp: 125647

Ion Ratio Lower Upper

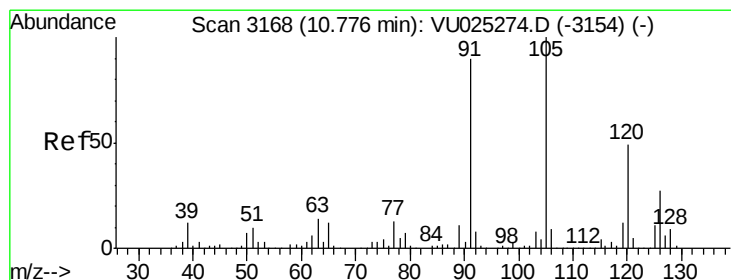
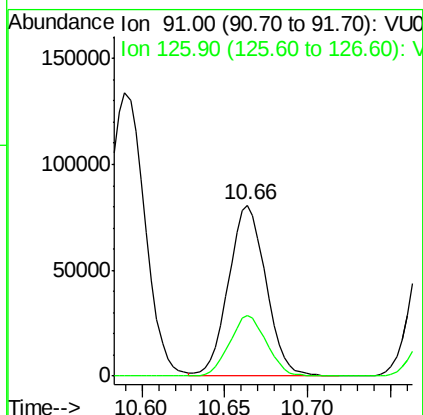
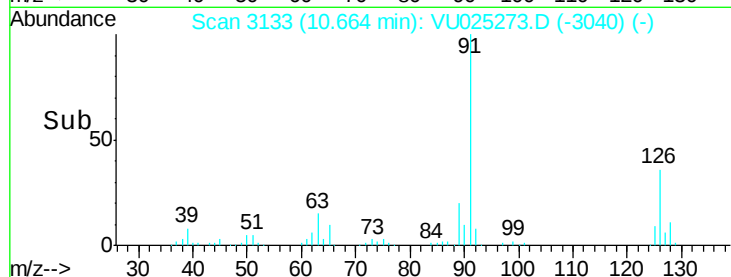
91 100

126 35.7 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU025273.D (-3040) (-)

Ion 125.90 (125.60 to 126.60): VU025273.D (-3040) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.734 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025273.D

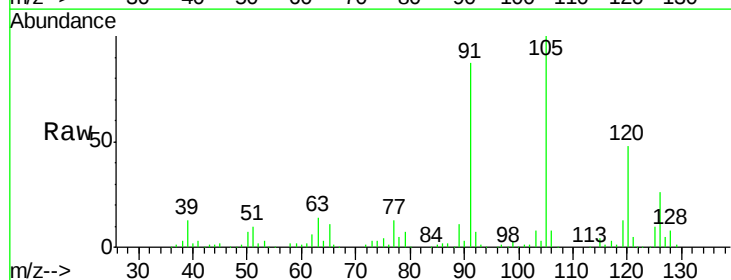
Acq: 09 Jul 2018 14:54

Tgt Ion: 105 Resp: 160169

Ion Ratio Lower Upper

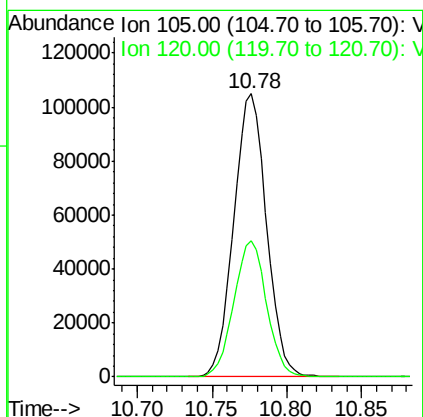
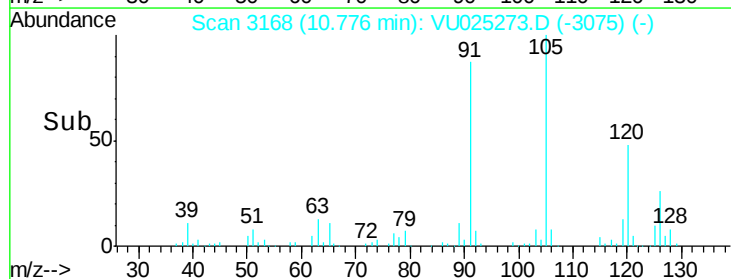
105 100

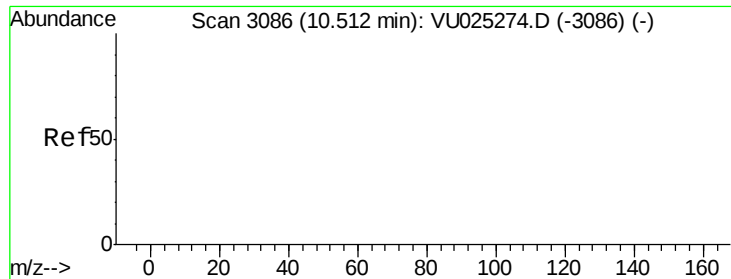
120 48.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025273.D (-3075) (-)

Ion 120.00 (119.70 to 120.70): VU025273.D (-3075) (-)

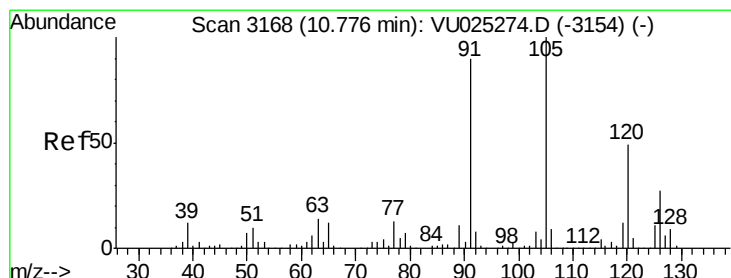
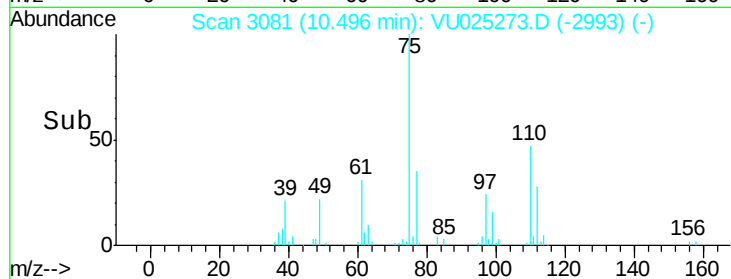
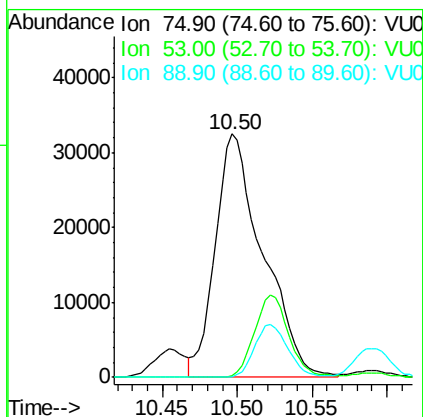
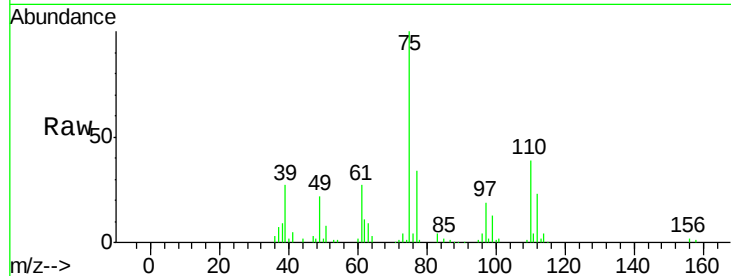




#81
trans-1,4-Dichloro-2-butene
Concen: 69.396 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

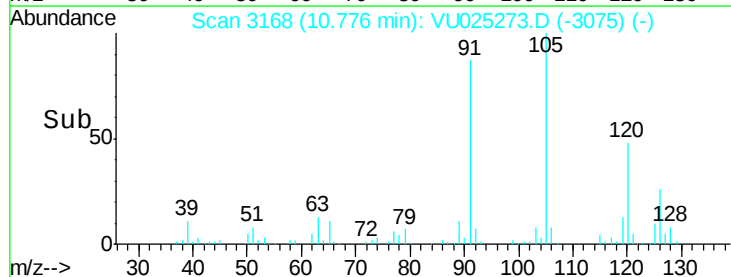
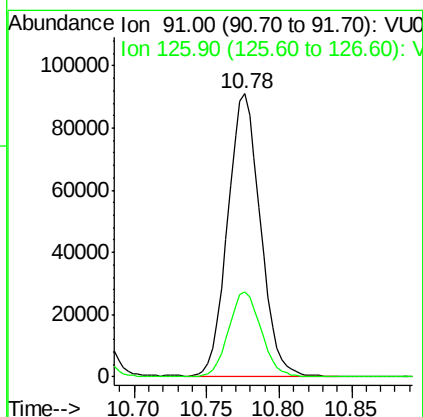
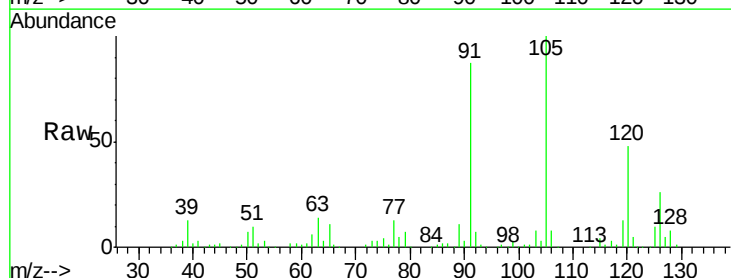
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 71985
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 18.698 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion: 91 Resp: 141713
Ion Ratio Lower Upper
91 100
126 30.2 15.3 45.9

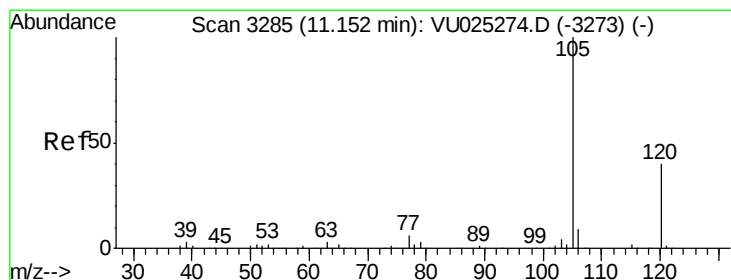
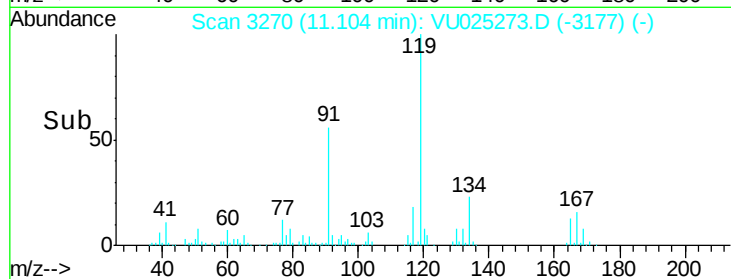
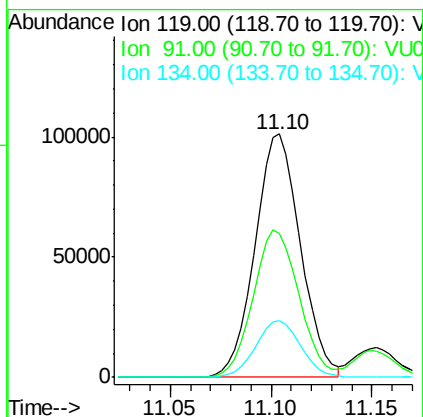
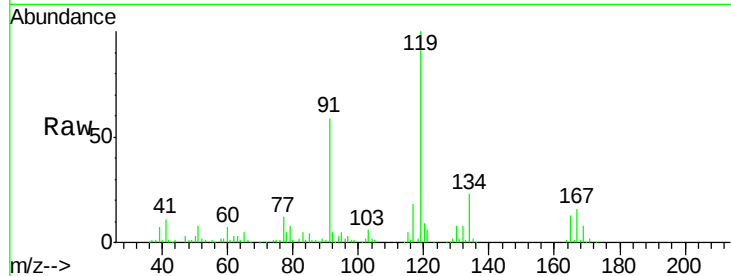




#83
 tert-Butylbenzene
 Concen: 19.370 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

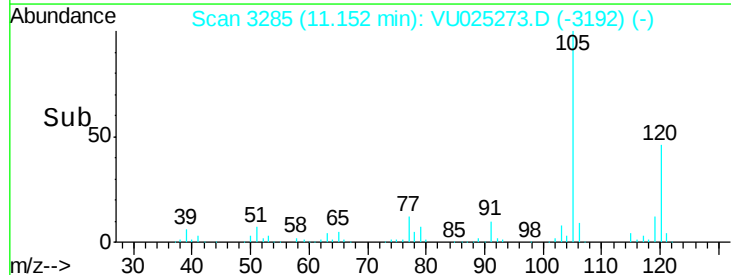
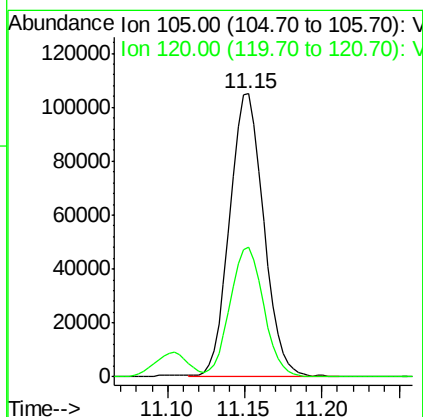
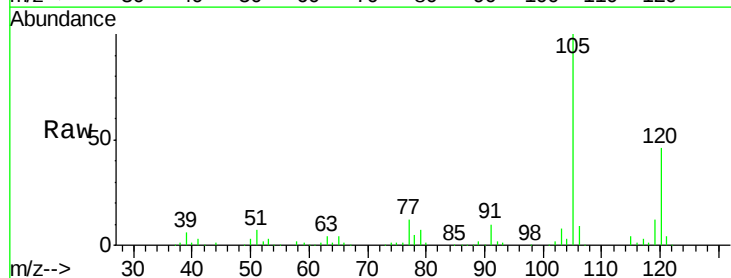
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 158862
 Ion Ratio Lower Upper
 119 100
 91 61.3 29.7 89.1
 134 22.9 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.226 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion:105 Resp: 159929
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.3 66.8

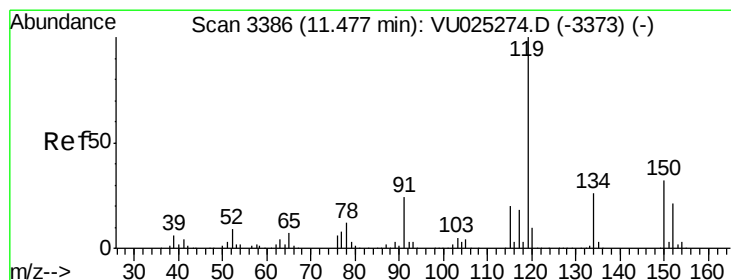
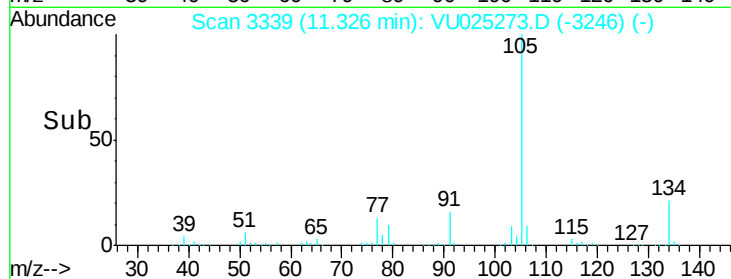
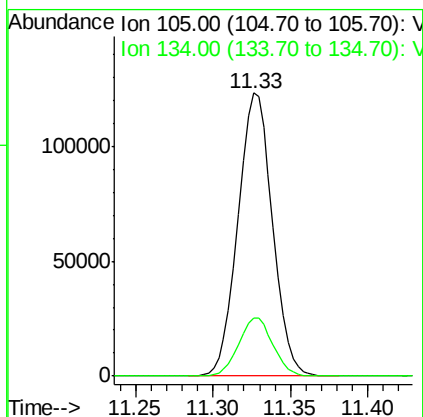
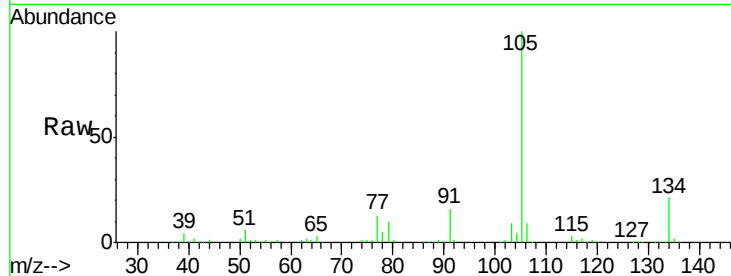




#85
 sec-Butylbenzene
 Concen: 19.752 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

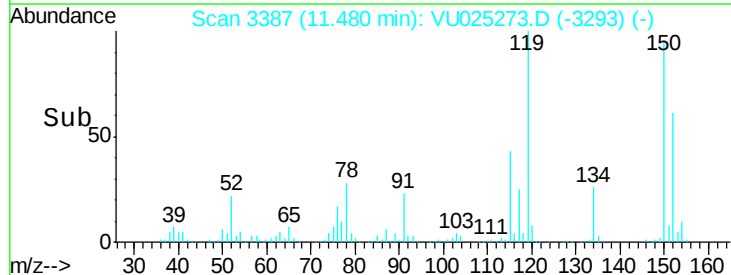
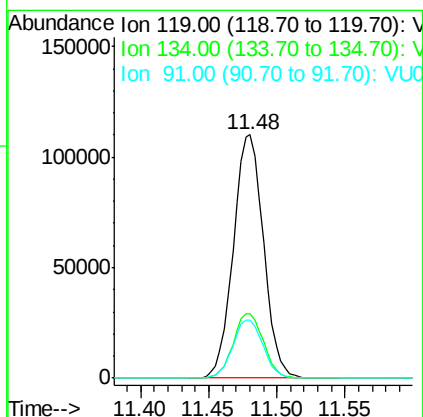
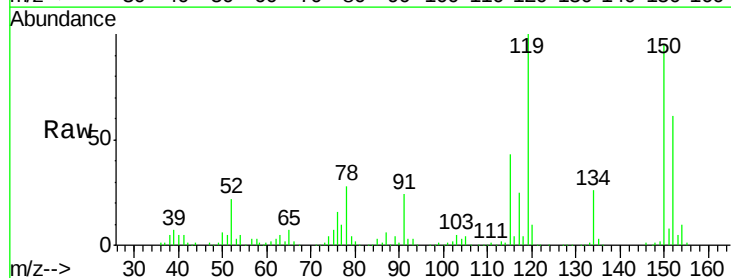
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

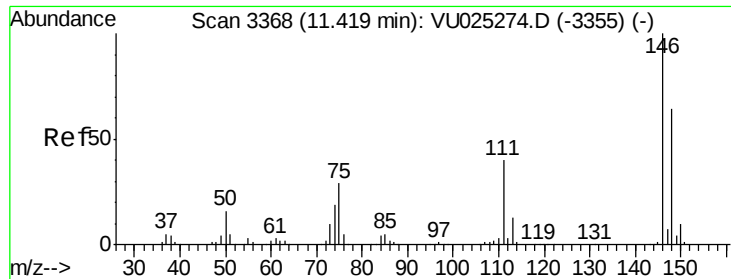
Tgt Ion:105 Resp: 190742
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 19.738 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion:119 Resp: 168779
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.2 39.5
 91 24.1 12.0 36.1

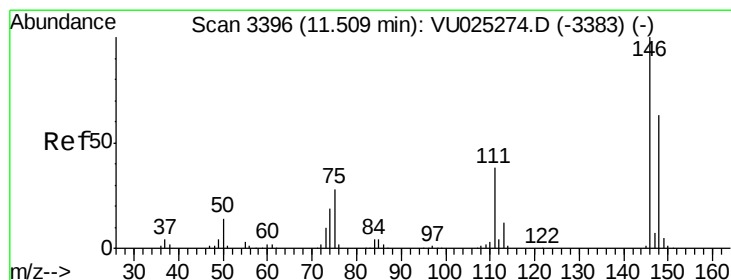
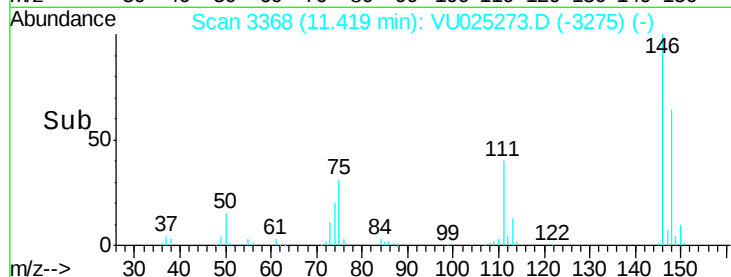
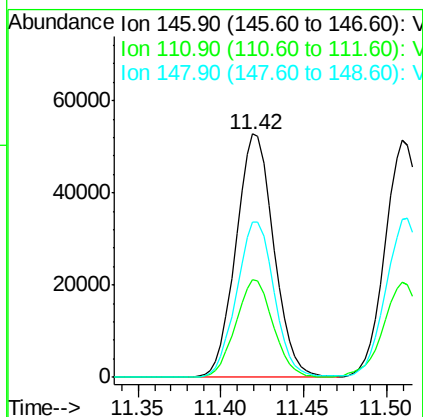
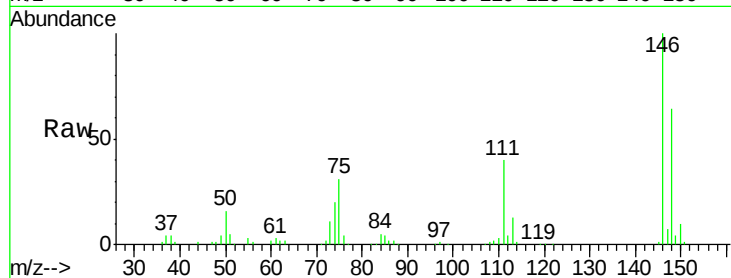




#87
 1,3-Dichlorobenzene
 Concen: 18.613 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

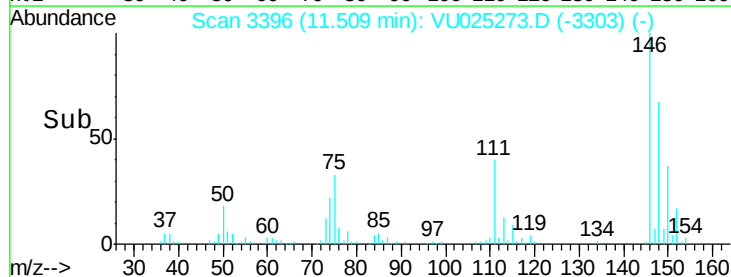
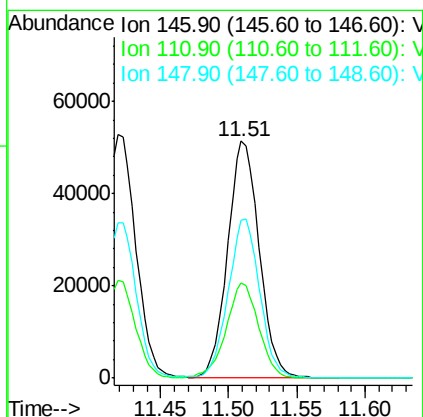
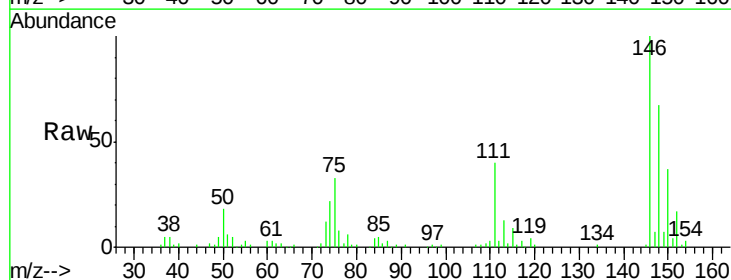
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

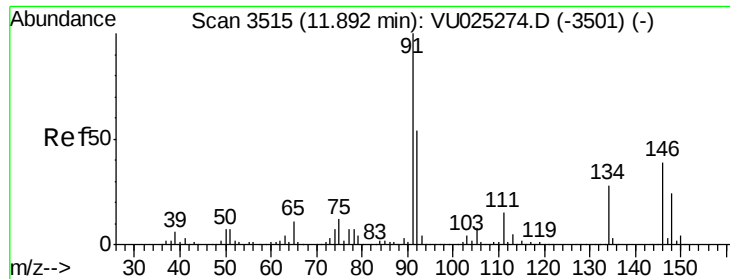
Tgt Ion:146 Resp: 83939
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.7 59.1
 148 63.6 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 17.938 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion:146 Resp: 83087
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.4 58.1
 148 67.1 31.7 95.1





#89

n-Butylbenzene

Concen: 19.227 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025273.D

Acq: 09 Jul 2018 14:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

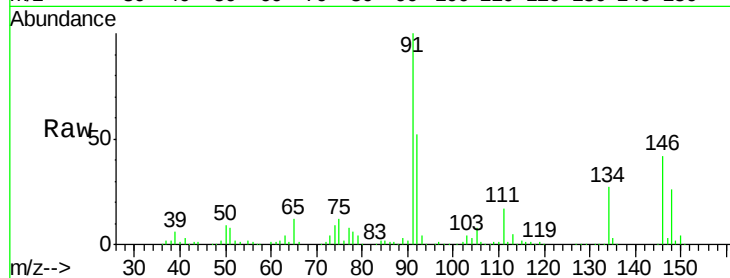
Tgt Ion: 91 Resp: 135150

Ion Ratio Lower Upper

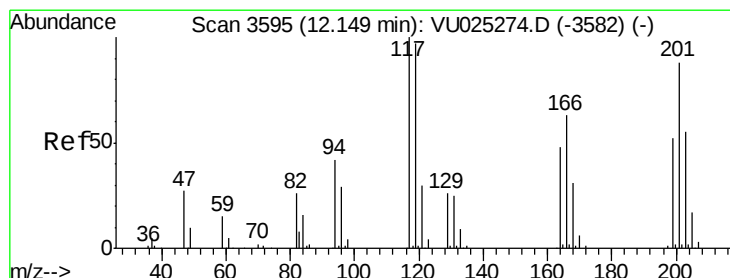
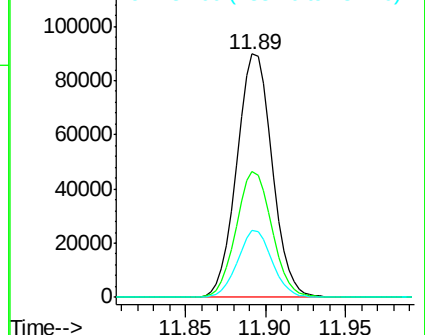
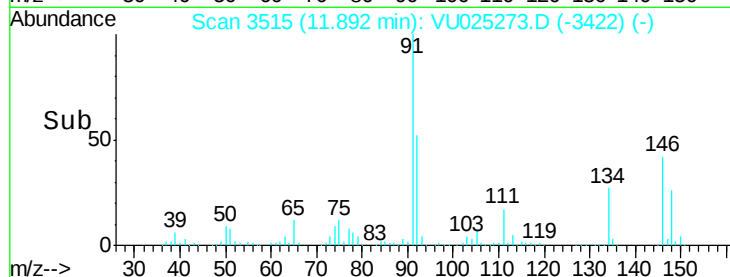
91 100

92 52.2 26.5 79.5

134 26.5 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VU025273.D (-3422) (-)



#90

Hexachloroethane

Concen: 19.520 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025273.D

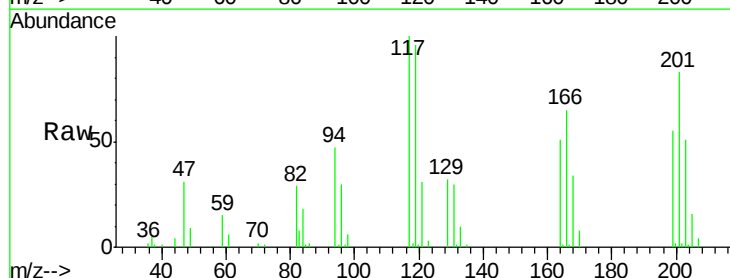
Acq: 09 Jul 2018 14:54

Tgt Ion: 117 Resp: 28262

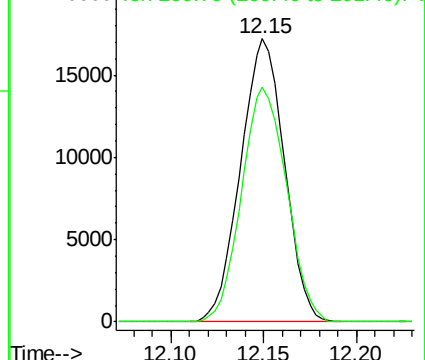
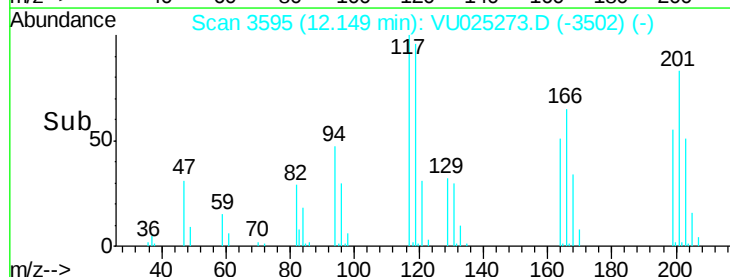
Ion Ratio Lower Upper

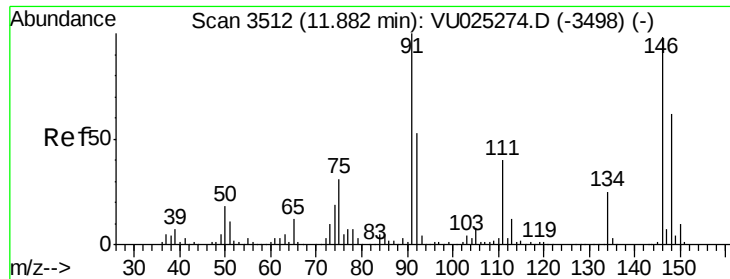
117 100

201 84.9 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): VU025273.D (-3502) (-)

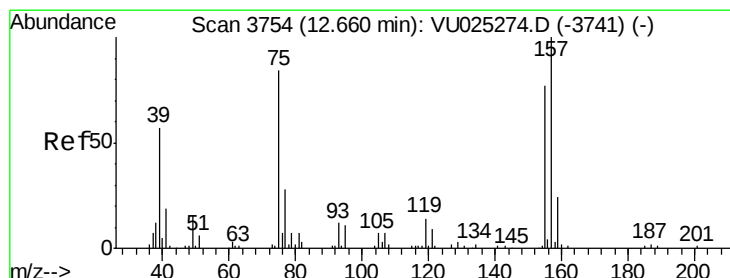
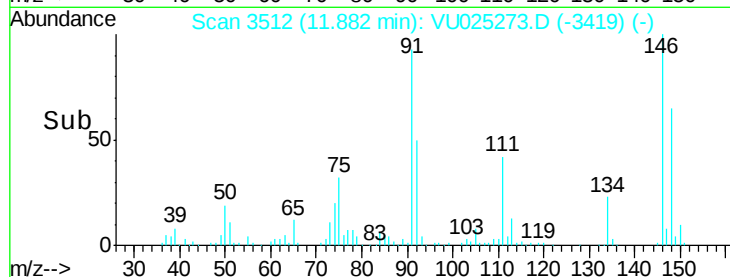
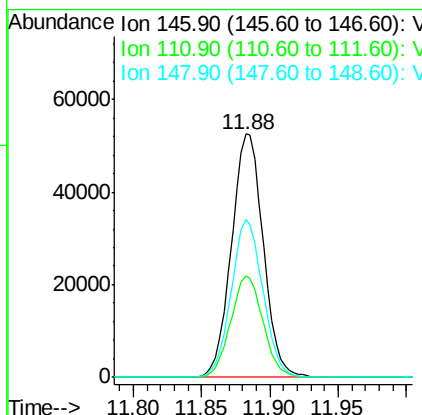
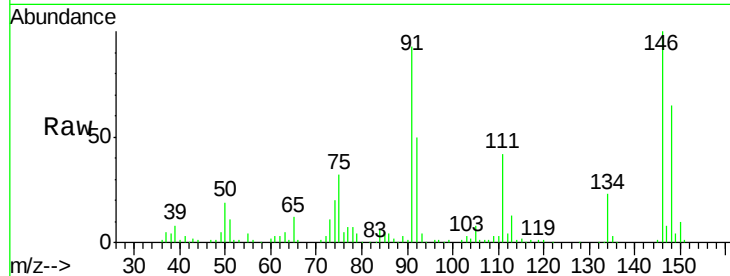




#91
 1,2-Dichlorobenzene
 Concen: 18.662 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

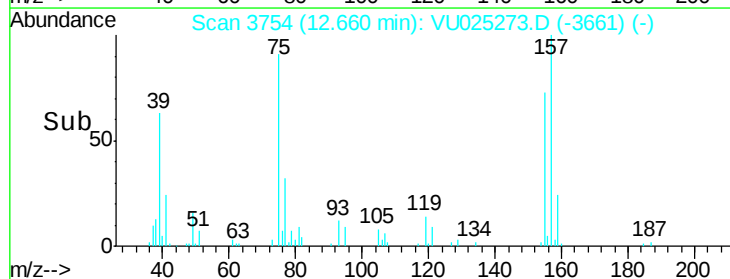
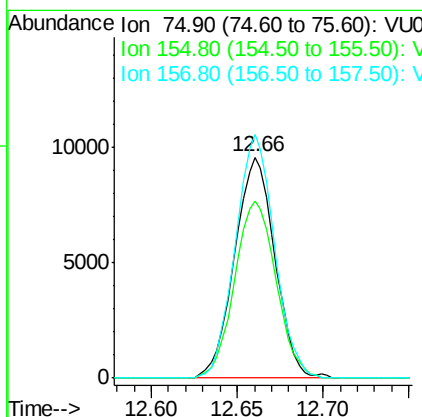
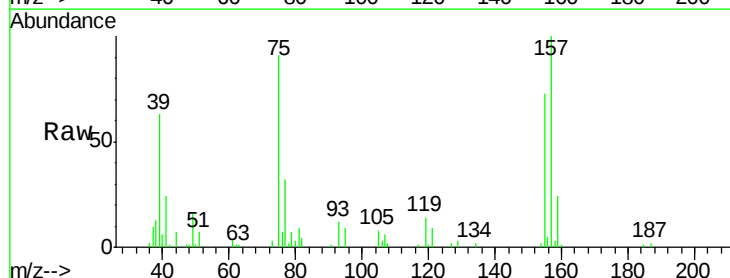
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

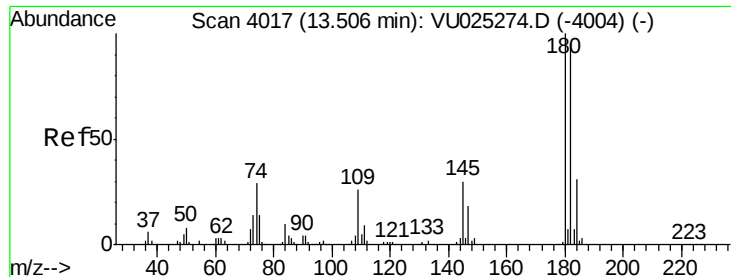
Tgt Ion: 146 Resp: 84997
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.6 61.8
 148 64.6 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.408 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion: 75 Resp: 15620
 Ion Ratio Lower Upper
 75 100
 155 82.3 44.5 133.3
 157 107.0 57.0 170.8

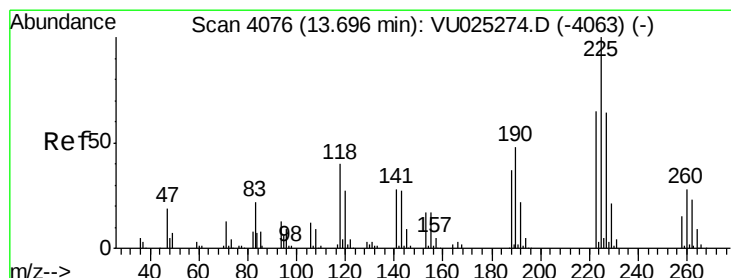
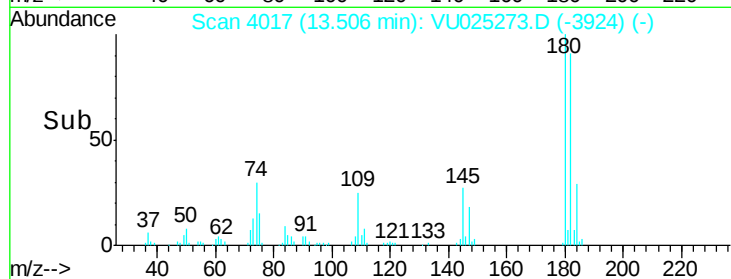
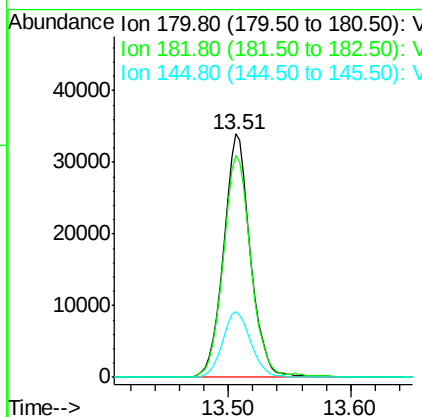
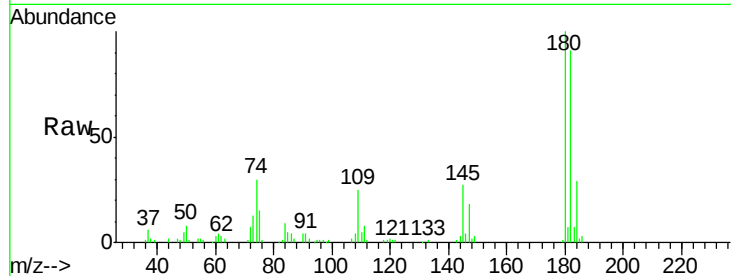




#93
 1,2,4-Trichlorobenzene
 Concen: 17.511 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

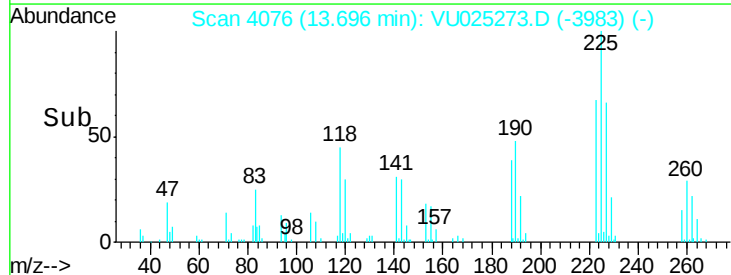
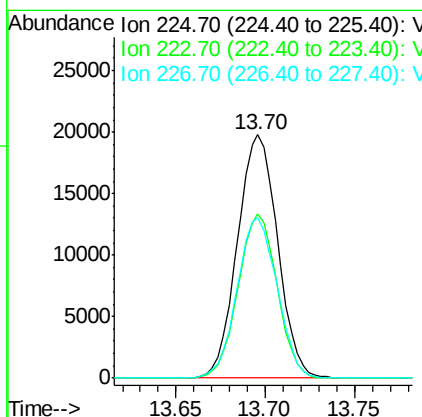
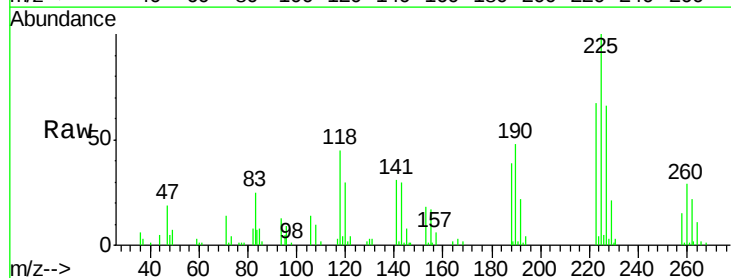
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

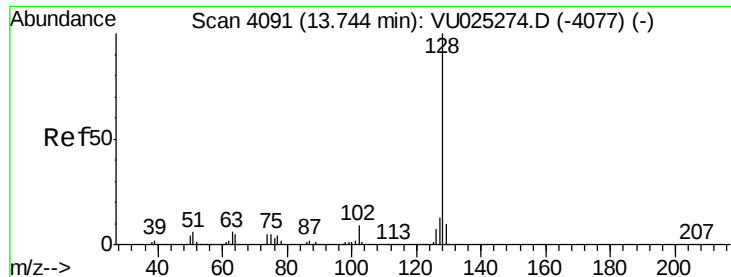
Tgt Ion:180 Resp: 52255
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.3 141.9
 145 28.5 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 19.076 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025273.D
 Acq: 09 Jul 2018 14:54

Tgt Ion:225 Resp: 31073
 Ion Ratio Lower Upper
 225 100
 223 65.1 31.9 95.7
 227 65.5 32.3 96.9

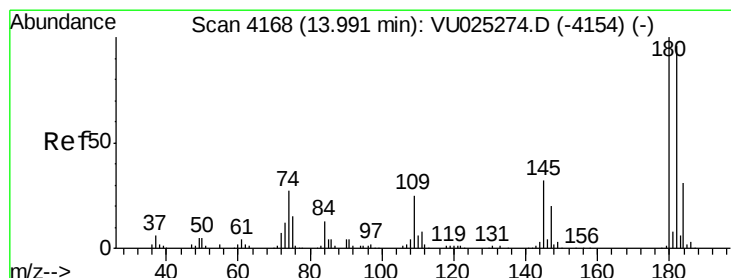
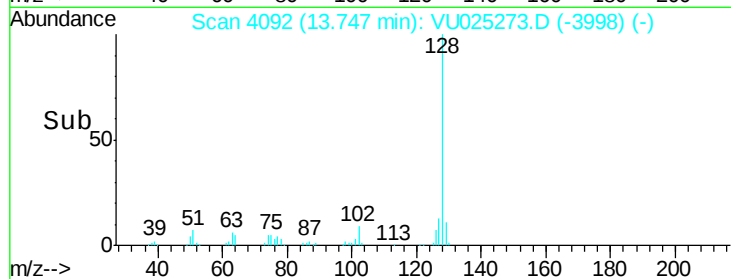
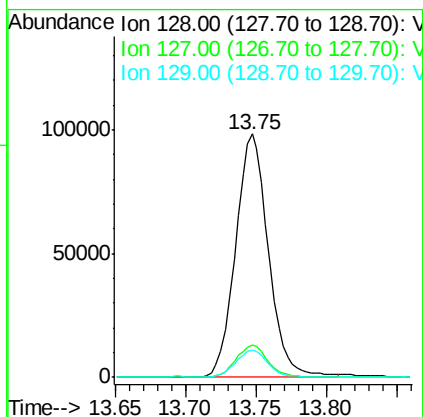
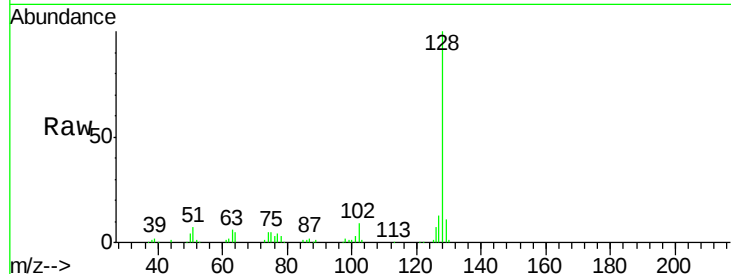




#95
Naphthalene
Concen: 15.633 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 160491
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 11.1 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 17.082 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025273.D
Acq: 09 Jul 2018 14:54

Tgt Ion:180 Resp: 54970
Ion Ratio Lower Upper
180 100
182 94.1 47.8 143.3
145 31.4 15.6 46.8

