

Data File : VU033973.D
Acq On : 27 Aug 2019 15:07
Operator : JC/SP
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Quant Time: Aug 28 02:00:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 01:57:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	351478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	531828	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	508287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	255618	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	21034	4.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.58%	
35) Dibromofluoromethane	4.86	113	19396	5.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.36%	
50) Toluene-d8	7.55	98	60661	4.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.78%	
62) 4-Bromofluorobenzene	10.29	95	26234	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	15504	3.891 ug/l	100
3) Chloromethane	1.32	50	20971	4.398 ug/l	100
4) Vinyl Chloride	1.40	62	17349	3.353 ug/l	90
5) Bromomethane	1.60	94	11172	3.942 ug/l	90
6) Chloroethane	1.68	64	10677	3.281 ug/l	94
7) Trichlorofluoromethane	1.87	101	23648	3.758 ug/l	100
8) Diethyl Ether	2.09	74	8678	3.254 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.27	101	15057	4.073 ug/l	99
10) Methyl Iodide	2.40	142	18625	4.521 ug/l	97
11) Tert butyl alcohol	2.82	59	30920	29.924 ug/l #	94
12) 1,1-Dichloroethene	2.27	96	16083	4.239 ug/l	97
13) Acrolein	2.18	56	9398	16.766 ug/l	95
14) Allyl chloride	2.58	41	28049	4.106 ug/l	99
15) Acrylonitrile	2.92	53	51036	19.317 ug/l	99
16) Acetone	2.31	43	48847	17.155 ug/l	97
17) Carbon Disulfide	2.46	76	49830	3.999 ug/l	100
18) Methyl Acetate	2.60	43	23557	3.702 ug/l	98
19) Methyl tert-butyl Ether	2.98	73	51911	4.295 ug/l	99
20) Methylene Chloride	2.68	84	19989	4.264 ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	17626	4.221 ug/l	93
22) Diisopropyl ether	3.55	45	51569	3.994 ug/l	90
23) Vinyl Acetate	3.50	43	204937	19.269 ug/l	100
24) 1,1-Dichloroethane	3.42	63	33200	4.146 ug/l	99
25) 2-Butanone	4.24	43	67717	18.429 ug/l	98
26) 2,2-Dichloropropane	4.20	77	27333	4.195 ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	19916	4.433 ug/l	100
28) Bromochloromethane	4.52	49	15587	3.976 ug/l	98
29) Tetrahydrofuran	4.62	42	42362	19.128 ug/l	96
30) Chloroform	4.65	83	33611	4.206 ug/l	94
31) Cyclohexane	4.97	56	32825	4.689 ug/l #	89
32) 1,1,1-Trichloroethane	4.89	97	26852	4.094 ug/l	96
36) 1,1-Dichloropropene	5.12	75	23262	4.332 ug/l	98
37) Ethyl Acetate	4.37	43	22136	3.549 ug/l	99
38) Carbon Tetrachloride	5.11	117	25013	4.624 ug/l	98

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Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Quant Time: Aug 28 02:00:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 01:57:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	27319	4.565	ug/l	97
40) Benzene	5.37	78	73543	4.604	ug/l	96
41) Methacrylonitrile	4.53	41	11693	3.736	ug/l	94
42) 1,2-Dichloroethane	5.39	62	24949	4.274	ug/l	100
43) Isopropyl Acetate	5.53	43	36342	3.984	ug/l	97
44) Trichloroethene	6.17	130	21222	5.030	ug/l	100
45) 1,2-Dichloropropane	6.41	63	19574	4.444	ug/l	94
46) Dibromomethane	6.54	93	13047	4.565	ug/l	99
47) Bromodichloromethane	6.74	83	25311	4.414	ug/l	99
48) Methyl methacrylate	6.61	41	16341	3.986	ug/l	98
49) 1,4-Dioxane	6.60	88	8922	92.165	ug/l #	97
51) 4-Methyl-2-Pentanone	7.44	43	128433	20.786	ug/l	98
52) Toluene	7.62	92	46591	4.994	ug/l	97
53) t-1,3-Dichloropropene	7.86	75	25770	4.339	ug/l	97
54) cis-1,3-Dichloropropene	7.25	75	28313	4.279	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	19903	4.865	ug/l	98
56) Ethyl methacrylate	8.01	69	25312	4.554	ug/l	99
57) 1,3-Dichloropropane	8.22	76	30210	4.271	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.11	63	39925	20.125	ug/l	98
59) 2-Hexanone	8.35	43	96947	20.575	ug/l	95
60) Dibromochloromethane	8.46	129	20910	4.842	ug/l	100
61) 1,2-Dibromoethane	8.57	107	20040	4.713	ug/l	100
64) Tetrachloroethene	8.21	164	20905	5.570	ug/l	98
65) Chlorobenzene	9.10	112	53124	5.064	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	19622	5.039	ug/l	99
67) Ethyl Benzene	9.23	91	84761	4.948	ug/l	99
68) m/p-Xylenes	9.36	106	63647	10.037	ug/l	99
69) o-Xylene	9.76	106	31463	5.187	ug/l	98
70) Styrene	9.78	104	50392	4.810	ug/l	99
71) Bromoform	9.94	173	16760	5.091	ug/l #	100
73) Isopropylbenzene	10.15	105	82678	5.246	ug/l	100
74) N-amyl acetate	10.00	43	29559	4.466	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.44	83	32130	4.869	ug/l	98
76) 1,2,3-Trichloropropane	10.48	75	35372	6.089	ug/l	86
77) Bromobenzene	10.44	156	24099	5.666	ug/l	99
78) n-propylbenzene	10.57	91	91251	4.895	ug/l	98
79) 2-Chlorotoluene	10.64	91	58383	5.220	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	68472	5.078	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.48	75	35372	16.662	ug/l #	100
82) 4-Chlorotoluene	10.76	91	65441	4.986	ug/l	100
83) tert-Butylbenzene	11.08	119	67352	5.334	ug/l	97
84) 1,2,4-Trimethylbenzene	11.13	105	66634	5.086	ug/l	100
85) sec-Butylbenzene	11.31	105	80001	5.072	ug/l	99
86) p-Isopropyltoluene	11.46	119	74823	5.205	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	41333	5.156	ug/l	98
88) 1,4-Dichlorobenzene	11.49	146	40528	4.895	ug/l	93
89) n-Butylbenzene	11.87	91	57828	4.509	ug/l	97
90) Hexachloroethane	12.13	117	11757	4.251	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	39719	5.164	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	5597	4.125	ug/l	91

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

Data File : VU033973.D
Acq On : 27 Aug 2019 15:07
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Quant Time: Aug 28 02:00:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 01:57:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	18217	3.923	ug/l	95
94) Hexachlorobutadiene	13.68	225	15900	5.437	ug/l	97
95) Naphthalene	13.74	128	43972	3.461	ug/l	99
96) 1,2,3-Trichlorobenzene	13.98	180	20263	4.341	ug/l	99

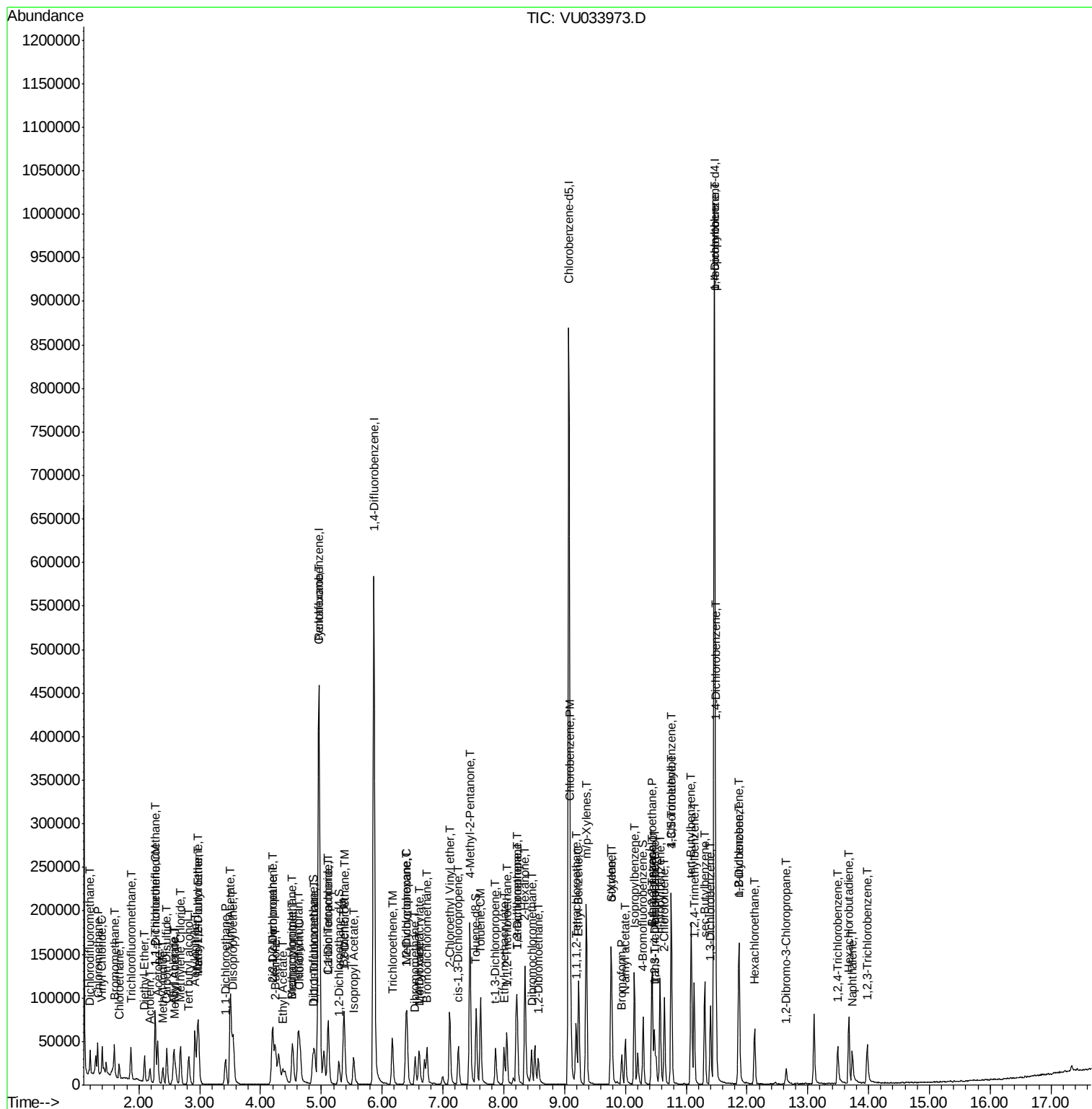
(#) = qualifier out of range (m) = manual integration (+) = signals summed

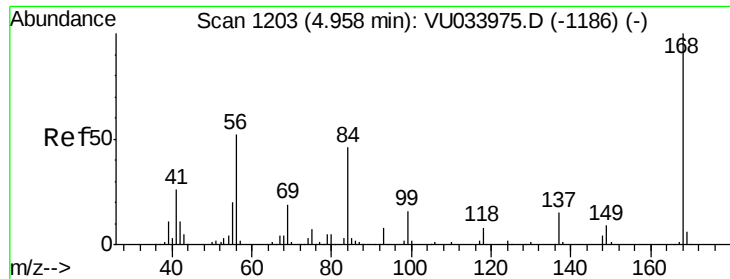
Data File : VU033973.D

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Acq On       : 27 Aug 2019   15:07
Operator     : JC/SP
Sample       : VSTDIC005
Misc         : 5.0mL/MSVOA_U/WATER
ALS Vial     : 4      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Quant Time: Aug 28 02:00:59 2019
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 01:57:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

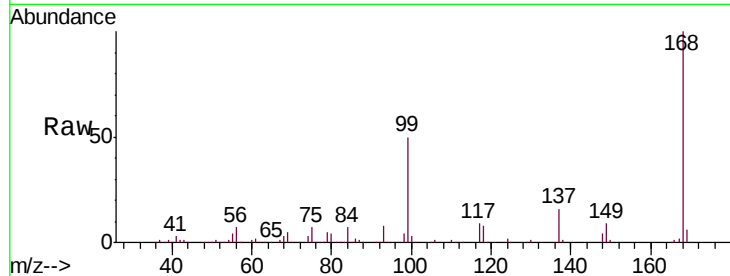
VSTDIC005

Tgt Ion:168 Resp: 351478

Ion Ratio Lower Upper

168 100

99 49.7 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VU033973.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033973.D (-1186) (-)

4.96

150000

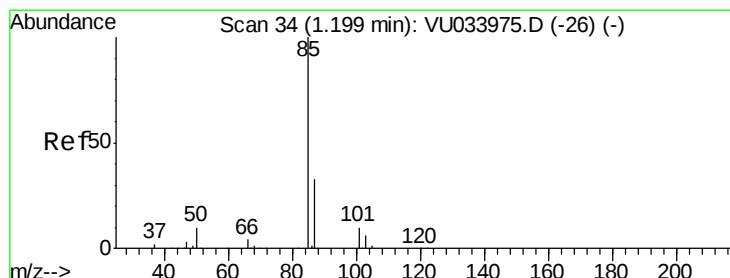
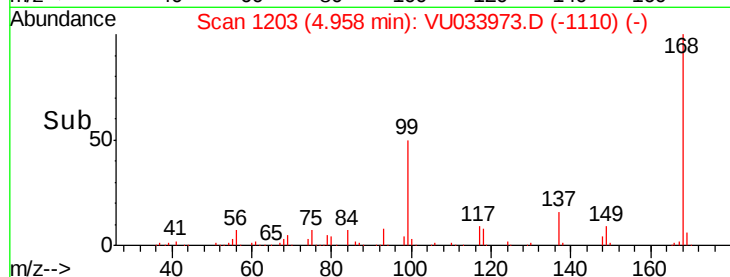
100000

50000

0

4.85 4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 3.891 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033973.D

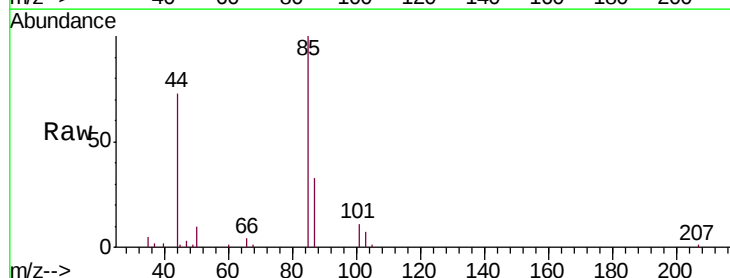
Acq: 27 Aug 2019 15:07

Tgt Ion: 85 Resp: 15504

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VU033973.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU033973.D (-1) (-)

1.20

15000

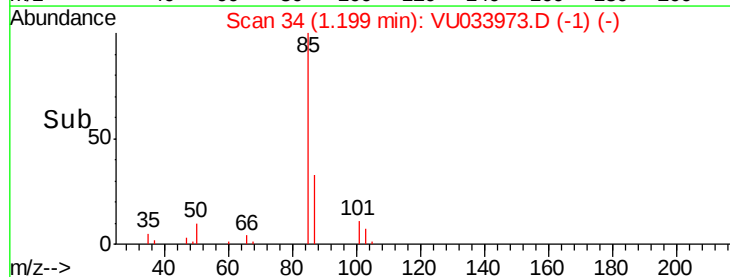
10000

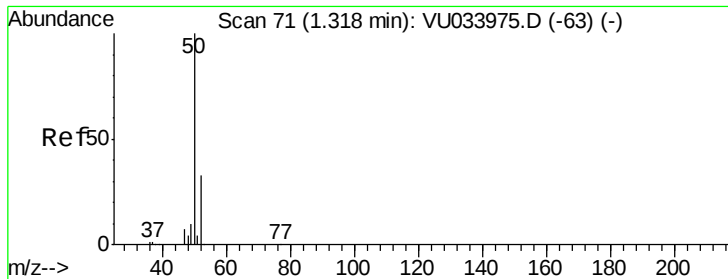
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 4.398 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

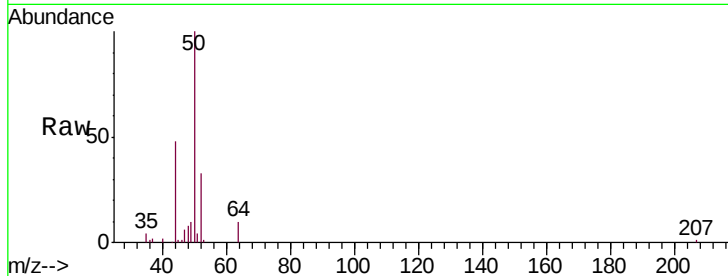
VSTDIC005

Tgt Ion: 50 Resp: 20971

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.2

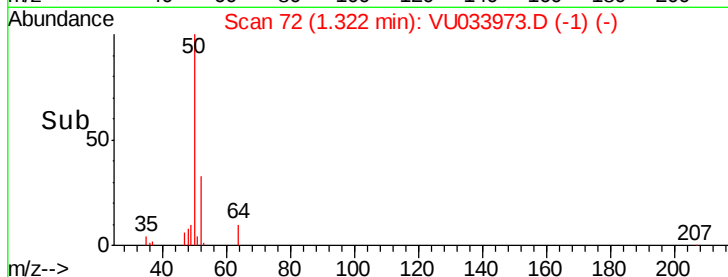


Abundance Ion 49.90 (49.60 to 50.60): VU033973.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU033973.D (-63) (-)

1.32

Time-->



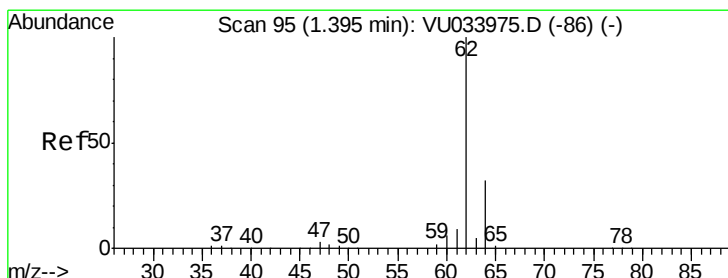
Abundance

Ion 49.90 (49.60 to 50.60): VU033973.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU033973.D (-1) (-)

1.32

Time-->



#4

Vinyl Chloride

Concen: 3.353 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033973.D

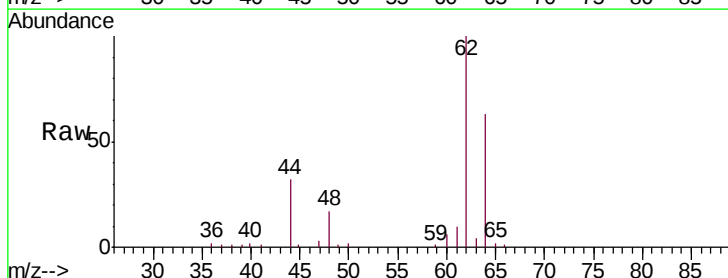
Acq: 27 Aug 2019 15:07

Tgt Ion: 62 Resp: 17349

Ion Ratio Lower Upper

62 100

64 37.8 25.9 38.9

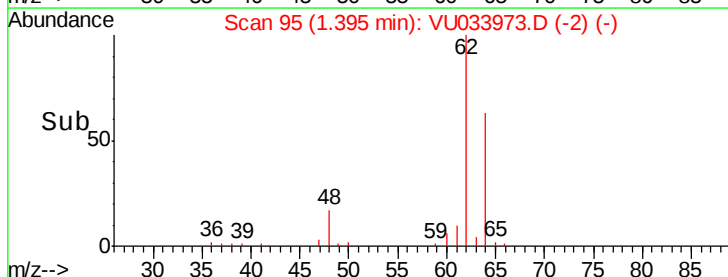


Abundance Ion 61.90 (61.60 to 62.60): VU033973.D (-86) (-)

Ion 63.90 (63.60 to 64.60): VU033973.D (-86) (-)

1.40

Time-->



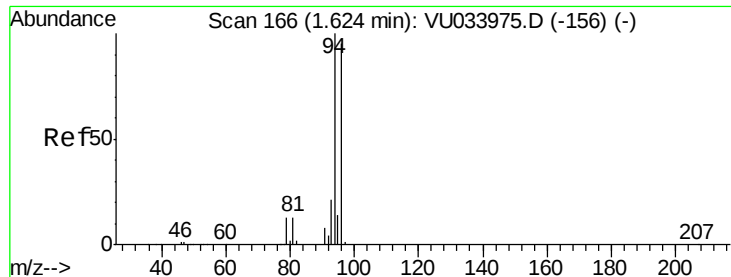
Abundance

Ion 61.90 (61.60 to 62.60): VU033973.D (-2) (-)

Ion 63.90 (63.60 to 64.60): VU033973.D (-2) (-)

1.40

Time-->



#5

Bromomethane

Concen: 3.942 ug/l

RT: 1.60 min Scan# 158

Delta R.T. -0.03 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

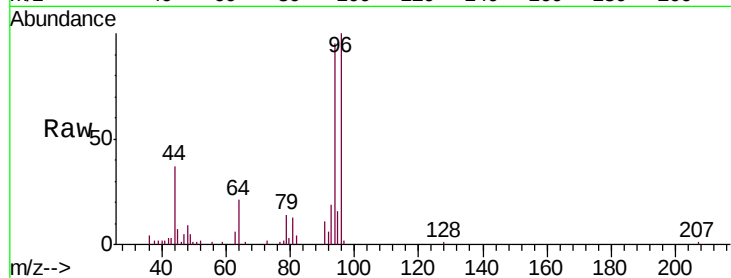
VSTDIC005

Tgt Ion: 94 Resp: 11172

Ion Ratio Lower Upper

94 100

96 105.0 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU033973.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VU033973.D (-156) (-)

12000

10000

8000

6000

4000

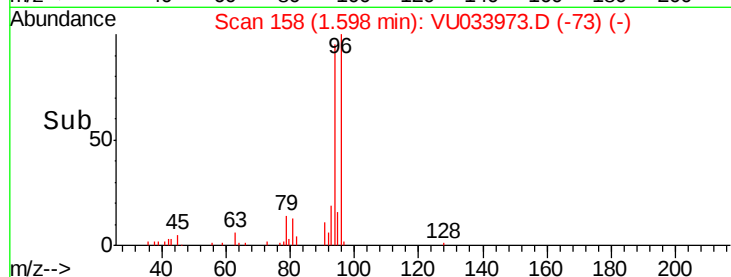
2000

0

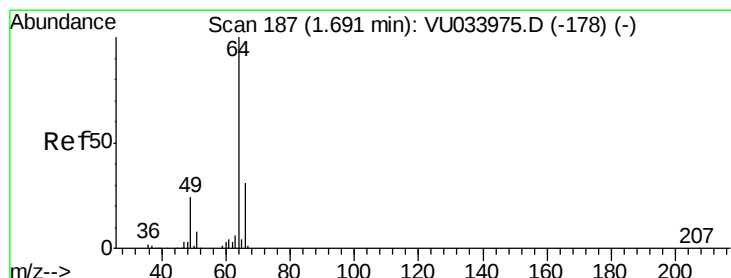
1.55

1.60

1.65



Time-->



#6

Chloroethane

Concen: 3.281 ug/l

RT: 1.68 min Scan# 182

Delta R.T. -0.02 min

Lab File: VU033973.D

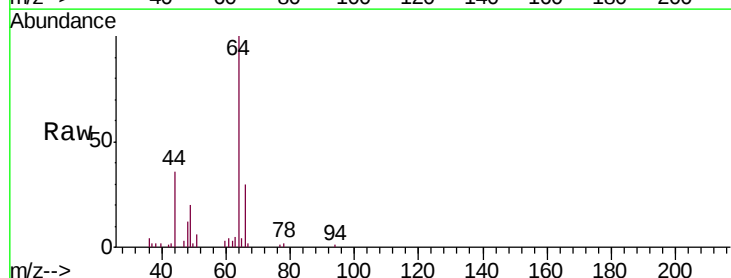
Acq: 27 Aug 2019 15:07

Tgt Ion: 64 Resp: 10677

Ion Ratio Lower Upper

64 100

66 34.3 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VU033973.D (-178) (-)

Ion 65.90 (65.60 to 66.60): VU033973.D (-178) (-)

12000

10000

8000

6000

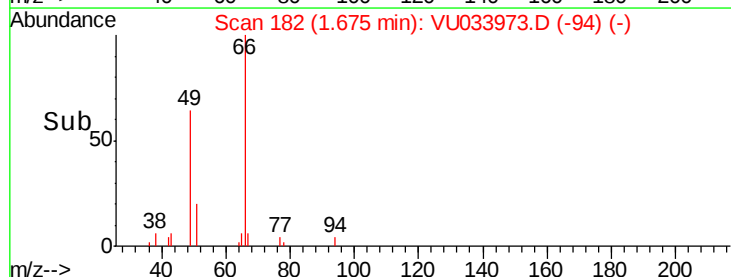
4000

2000

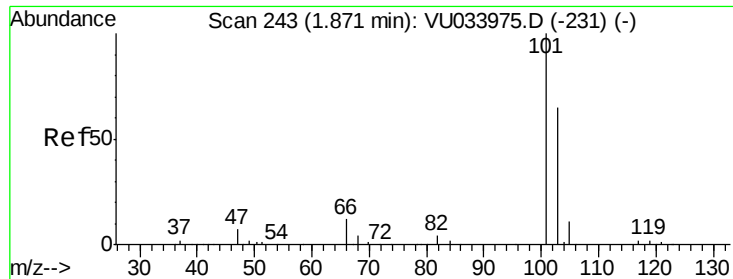
0

1.65

1.70



Time-->

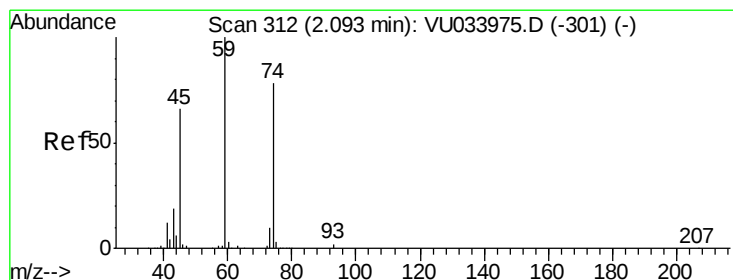
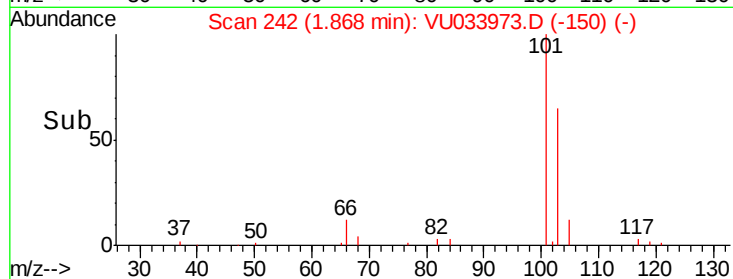
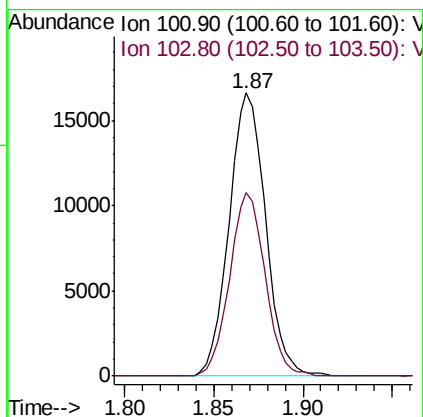
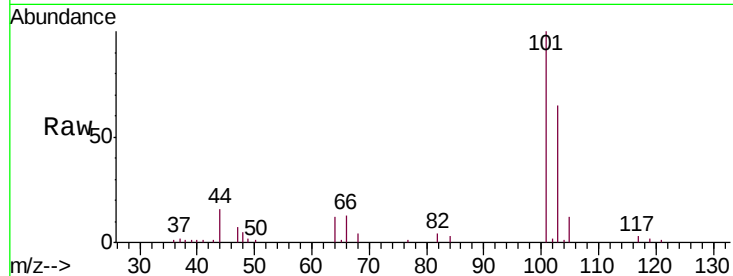


#7

Trichlorofluoromethane
 Concen: 3.758 ug/l
 RT: 1.87 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

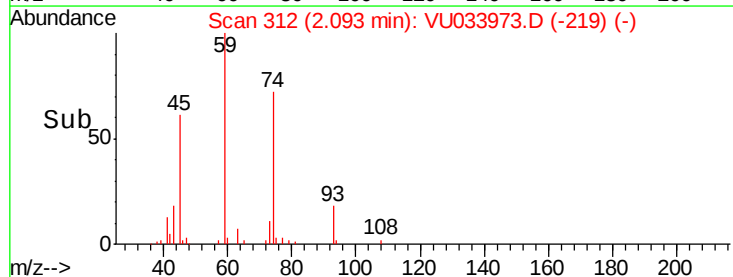
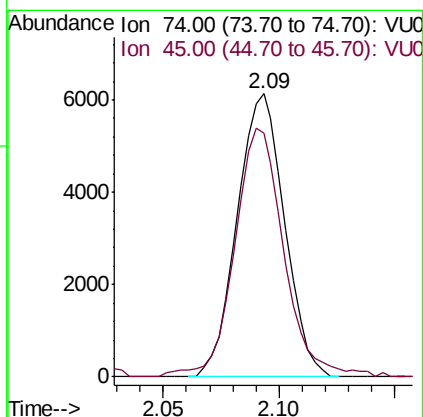
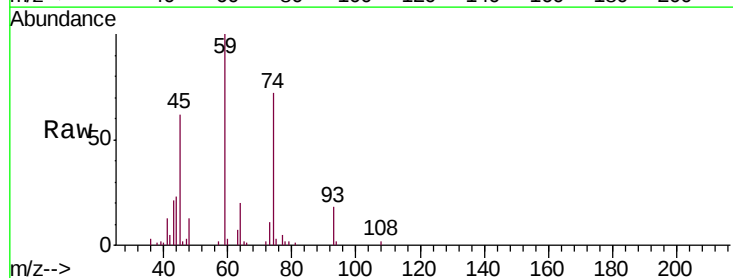
Tgt Ion:101 Resp: 23648
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.0 78.0

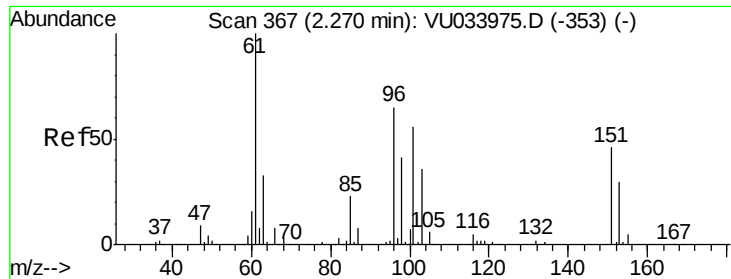


#8

Diethyl Ether
 Concen: 3.254 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion: 74 Resp: 8678
 Ion Ratio Lower Upper
 74 100
 45 91.9 42.8 128.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.073 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

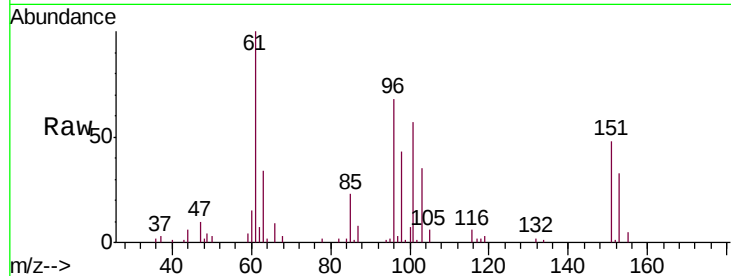
Tgt Ion:101 Resp: 15057

Ion Ratio Lower Upper

101 100

85 39.9 33.4 50.0

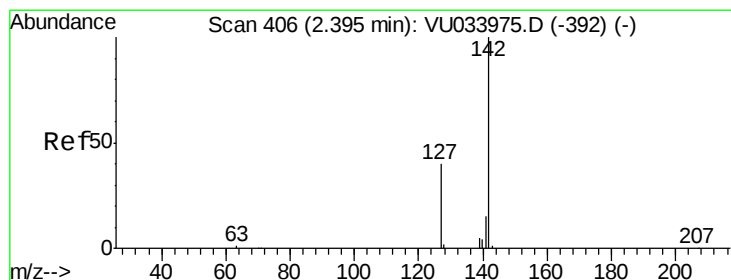
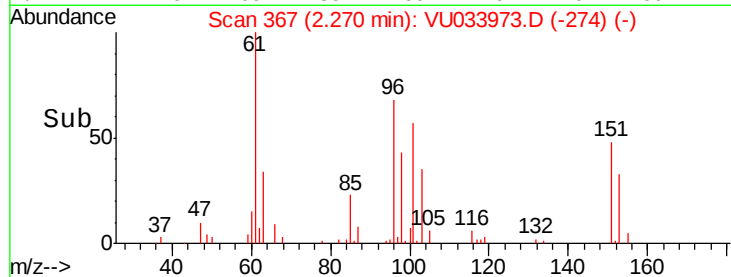
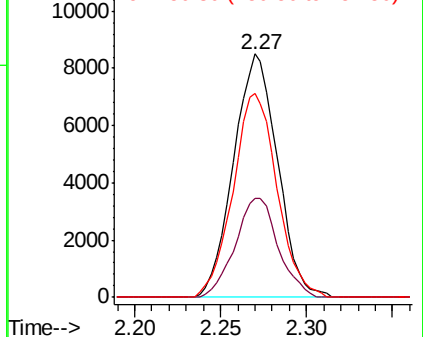
151 83.9 67.6 101.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.521 ug/l

RT: 2.40 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

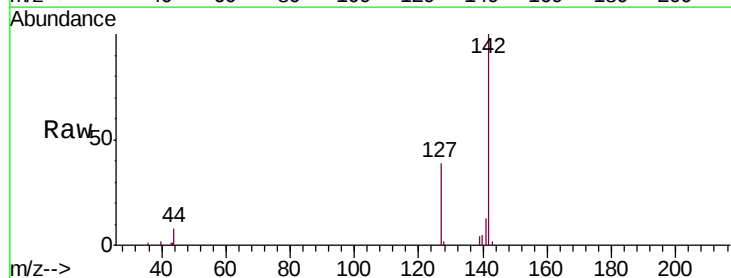
Tgt Ion:142 Resp: 18625

Ion Ratio Lower Upper

142 100

127 38.6 32.2 48.2

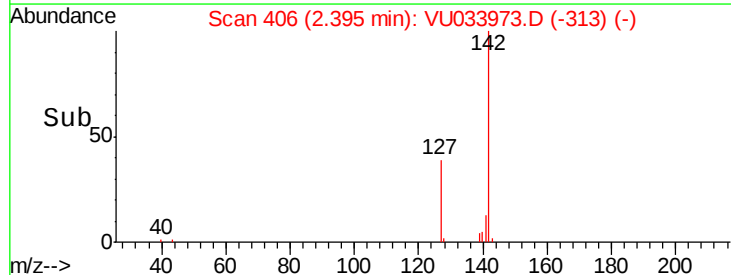
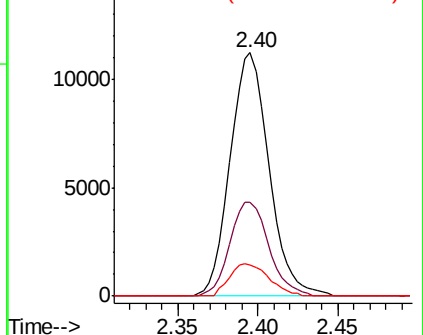
141 13.4 11.8 17.8

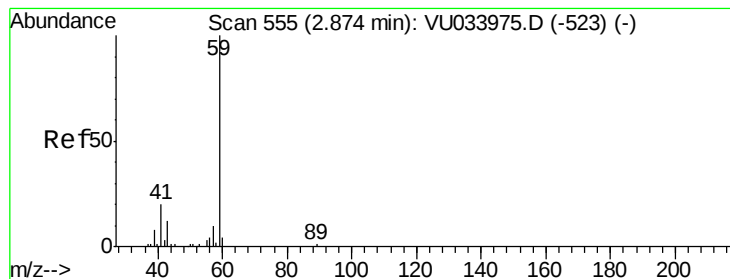


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 29.924 ug/l

RT: 2.82 min Scan# 537

Delta R.T. -0.06 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

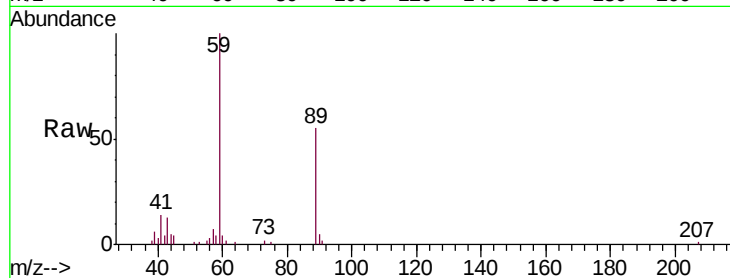
VSTDIC005

Tgt Ion: 59 Resp: 30920

Ion Ratio Lower Upper

59 100

57 6.8 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VU033975.D (-523) (-)

Ion 57.00 (56.70 to 57.70): VU033975.D (-523) (-)

2.82

15000

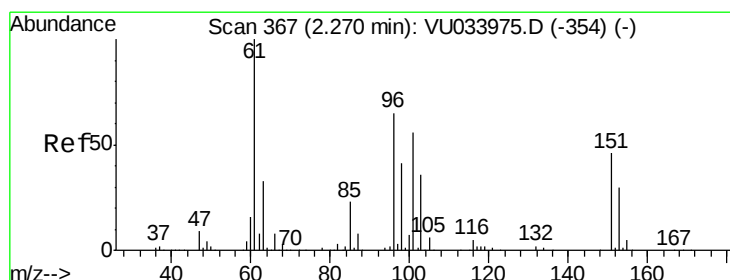
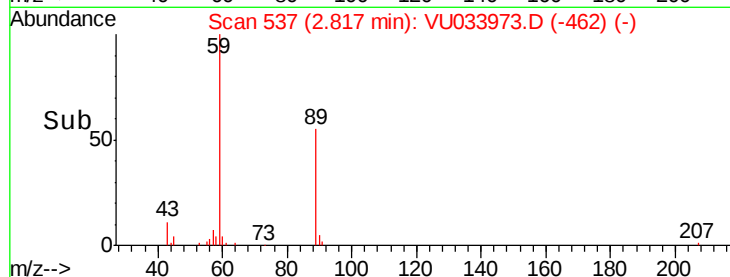
10000

5000

0

Time-->

2.75 2.80 2.85 2.90



#12

1,1-Dichloroethene

Concen: 4.239 ug/l

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

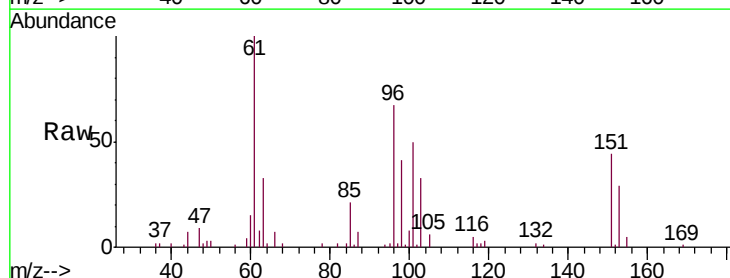
Tgt Ion: 96 Resp: 16083

Ion Ratio Lower Upper

96 100

61 149.9 123.3 184.9

98 61.6 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU033975.D (-354) (-)

Ion 60.90 (60.60 to 61.60): VU033975.D (-354) (-)

Ion 97.90 (97.60 to 98.60): VU033975.D (-354) (-)

20000

15000

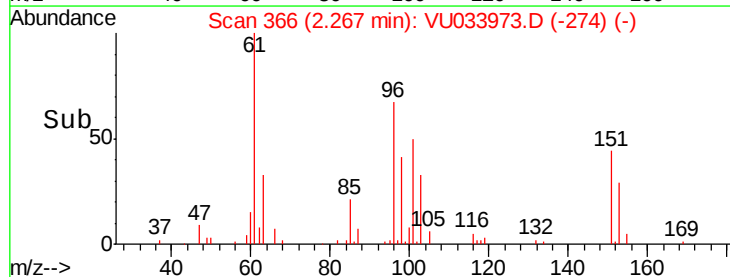
10000

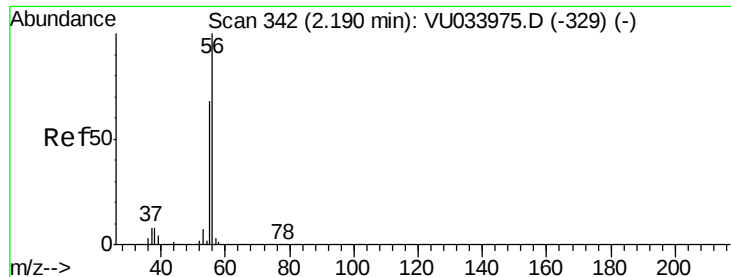
5000

0

Time-->

2.20 2.25 2.30





#13

Acrolein

Concen: 16.766 ug/l

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

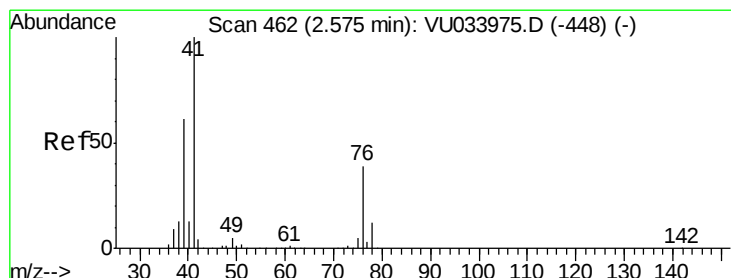
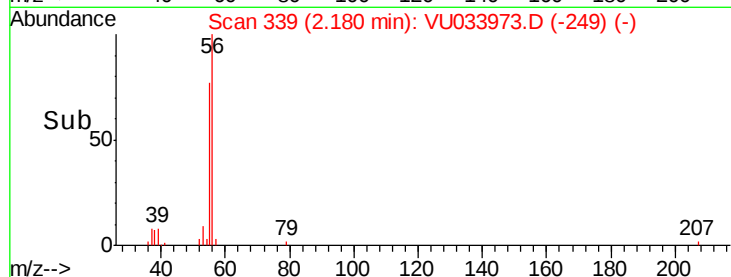
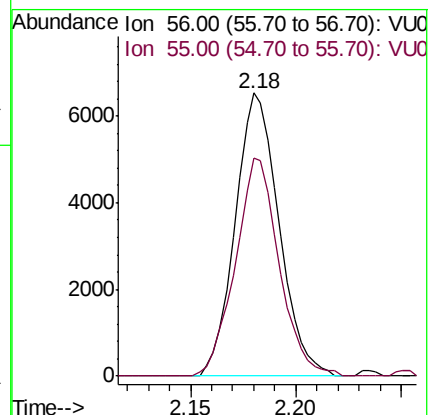
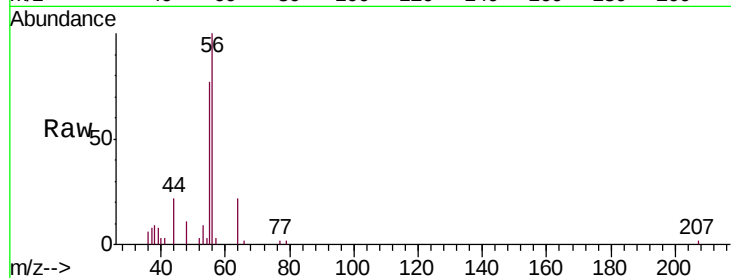
VSTDIC005

Tgt Ion: 56 Resp: 9398

Ion Ratio Lower Upper

56 100

55 76.9 58.0 87.0



#14

Allyl chloride

Concen: 4.106 ug/l

RT: 2.58 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

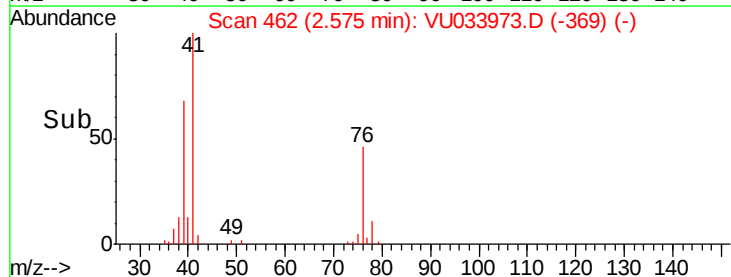
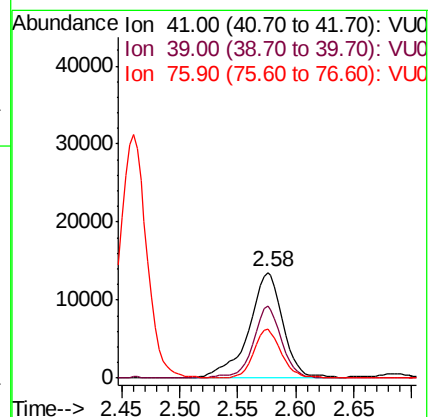
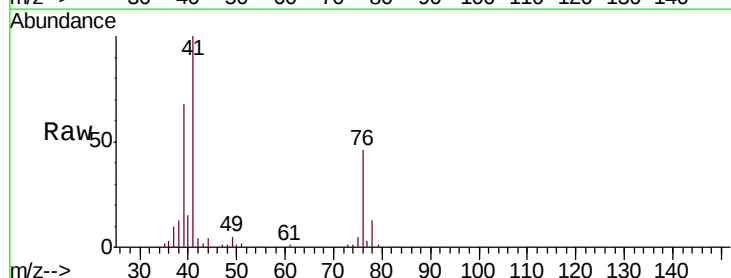
Tgt Ion: 41 Resp: 28049

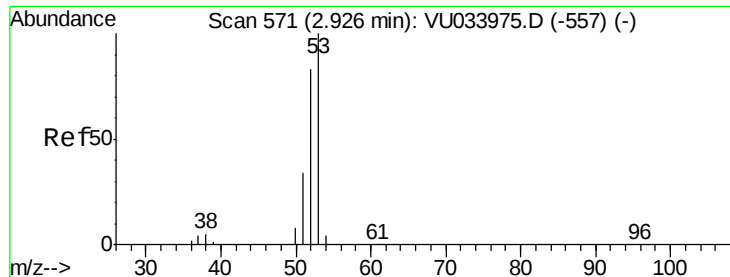
Ion Ratio Lower Upper

41 100

39 56.2 45.9 68.9

76 37.0 29.4 44.2





#15

Acrylonitrile

Concen: 19.317 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.01 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

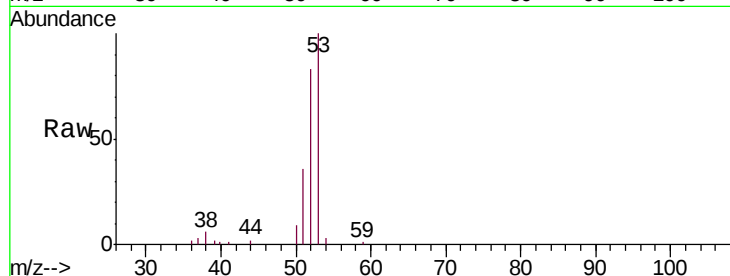
Tgt Ion: 53 Resp: 51036

Ion Ratio Lower Upper

53 100

52 82.1 66.7 100.1

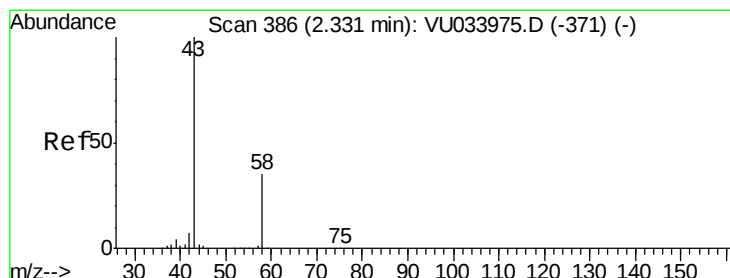
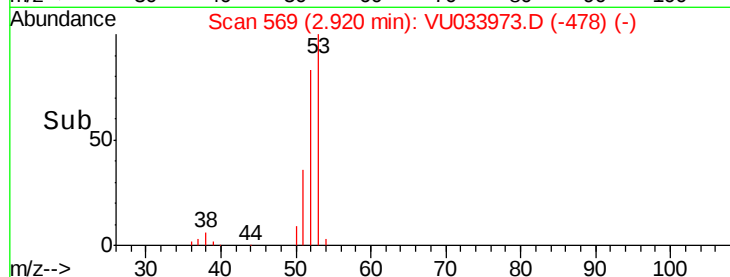
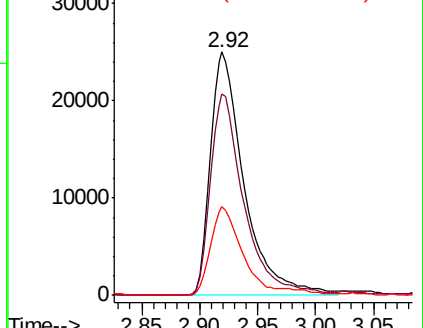
51 33.4 27.5 41.3



Abundance Ion 53.00 (52.70 to 53.70): VU033973.D (-557) (-)

Ion 52.00 (51.70 to 52.70): VU033973.D (-557) (-)

Ion 51.00 (50.70 to 51.70): VU033973.D (-557) (-)



#16

Acetone

Concen: 17.155 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033973.D

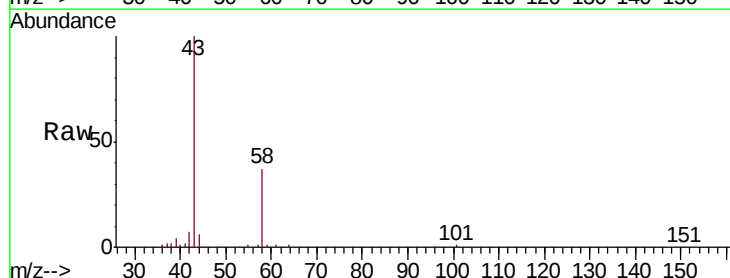
Acq: 27 Aug 2019 15:07

Tgt Ion: 43 Resp: 48847

Ion Ratio Lower Upper

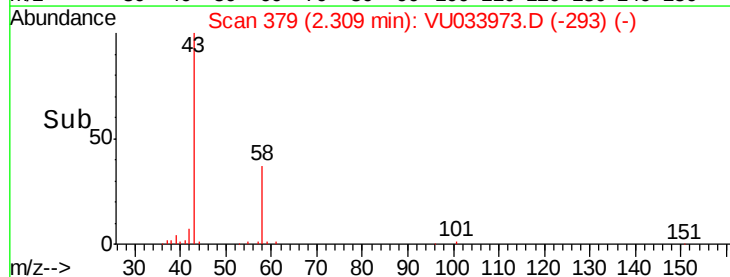
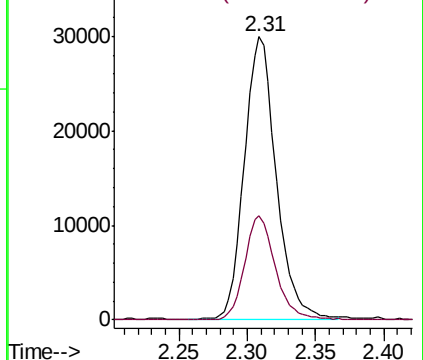
43 100

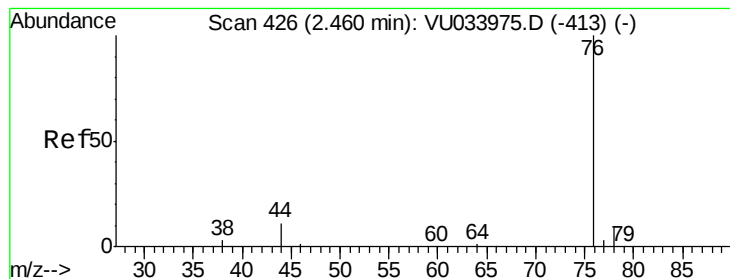
58 36.7 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VU033973.D (-293) (-)

Ion 58.00 (57.70 to 58.70): VU033973.D (-293) (-)





#17

Carbon Disulfide

Concen: 3.999 ug/l

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

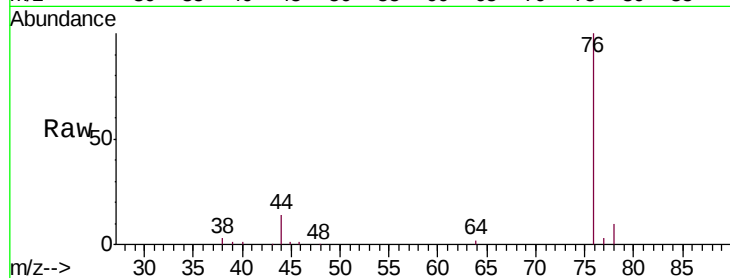
VSTDIC005

Tgt Ion: 76 Resp: 49830

Ion Ratio Lower Upper

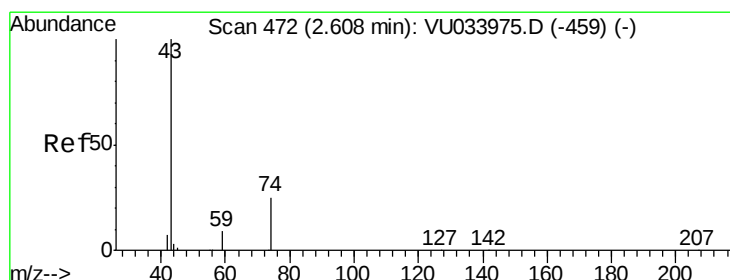
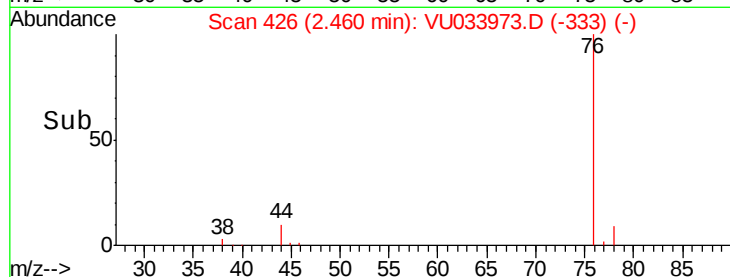
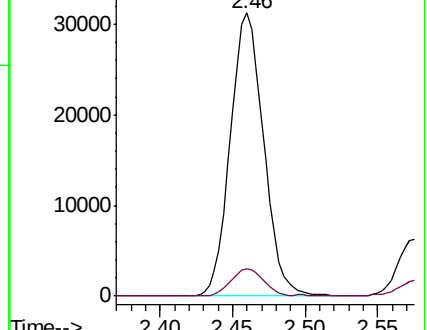
76 100

78 9.5 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VU033973.D (-413) (-)

Ion 77.90 (77.60 to 78.60): VU033973.D (-413) (-)



#18

Methyl Acetate

Concen: 3.702 ug/l

RT: 2.60 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU033973.D

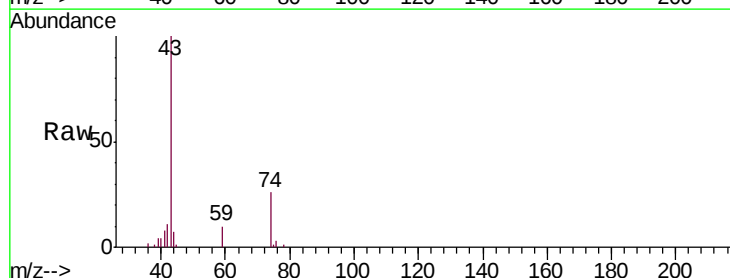
Acq: 27 Aug 2019 15:07

Tgt Ion: 43 Resp: 23557

Ion Ratio Lower Upper

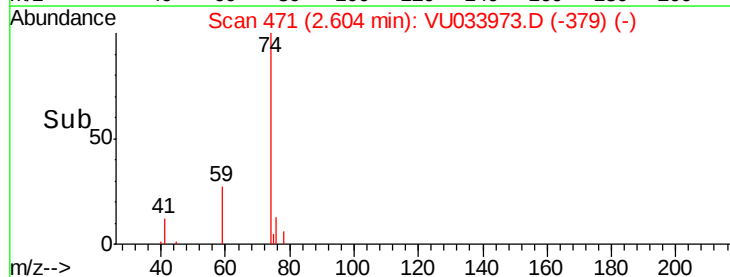
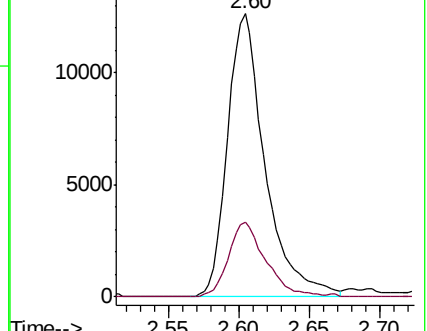
43 100

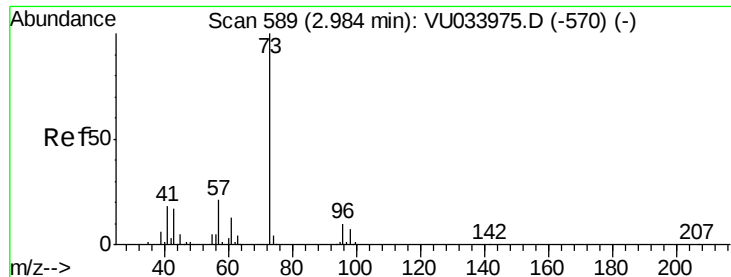
74 26.4 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VU033973.D (-379) (-)

Ion 74.00 (73.70 to 74.70): VU033973.D (-379) (-)





#19

Methyl tert-butyl Ether

Concen: 4.295 ug/l

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

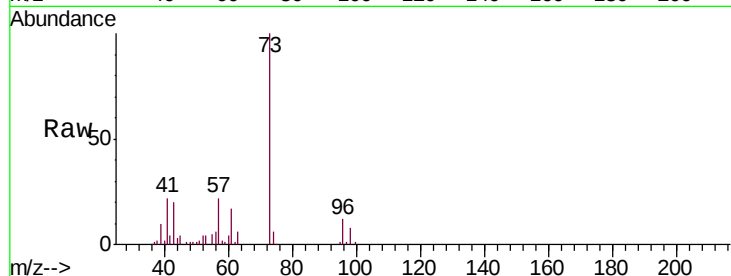
VSTDIC005

Tgt Ion: 73 Resp: 51911

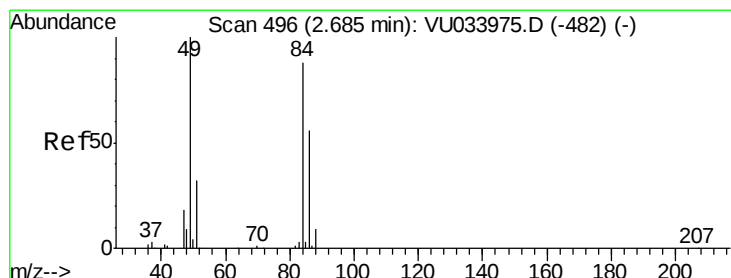
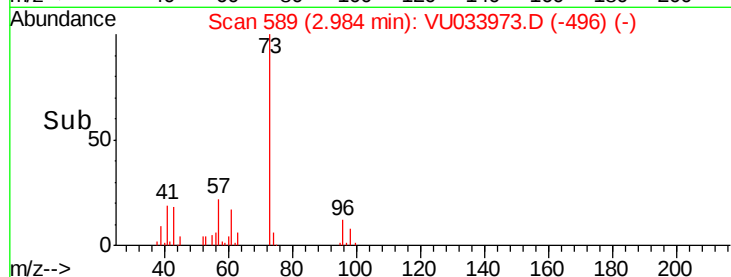
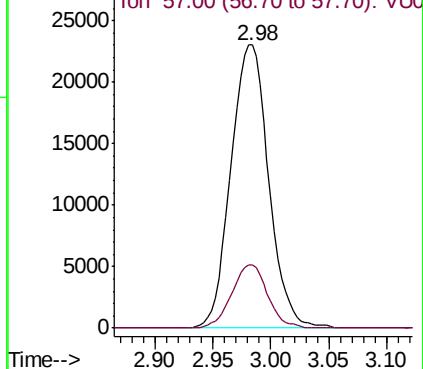
Ion Ratio Lower Upper

73 100

57 22.2 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VU033973.D (-570) (-)



#20

Methylene Chloride

Concen: 4.264 ug/l

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Tgt Ion: 84 Resp: 19989

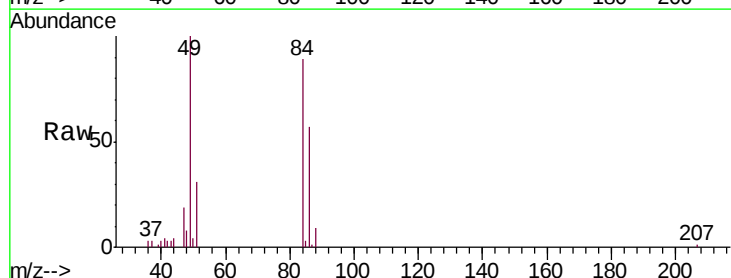
Ion Ratio Lower Upper

84 100

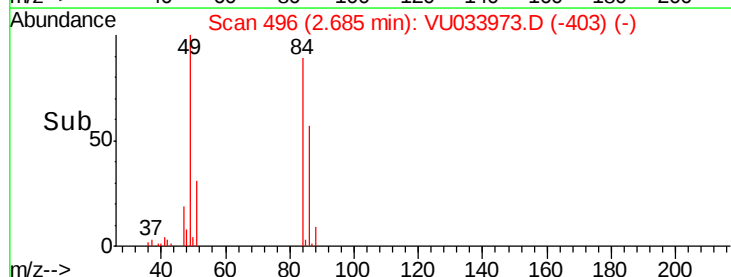
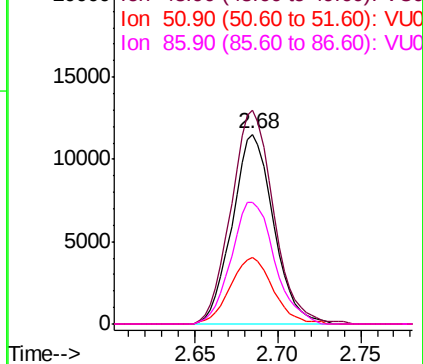
49 112.4 91.3 136.9

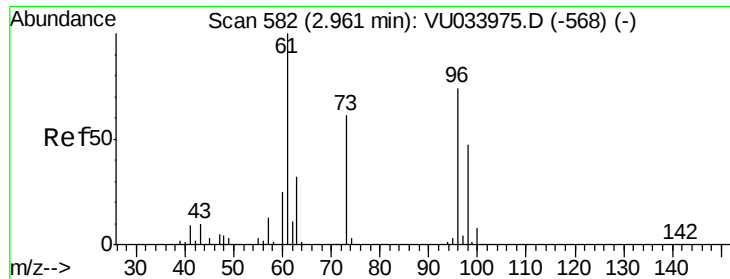
51 35.1 28.9 43.3

86 64.0 50.9 76.3



Abundance Ion 83.90 (83.60 to 84.60): VU033973.D (-482) (-)





#21

trans-1,2-Dichloroethene

Concen: 4.221 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

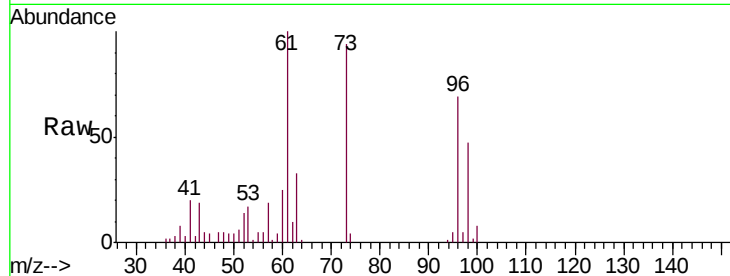
Tgt Ion: 96 Resp: 17626

Ion Ratio Lower Upper

96 100

61 144.5 108.2 162.2

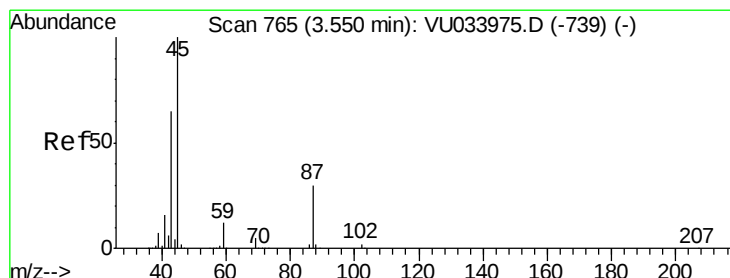
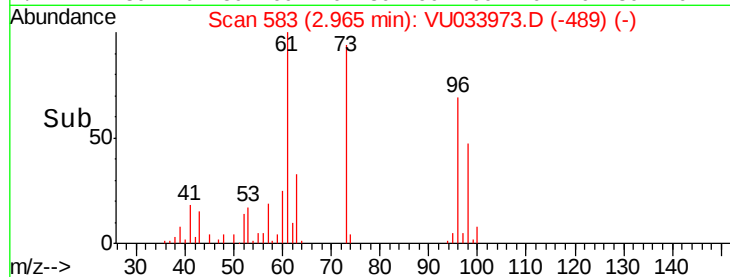
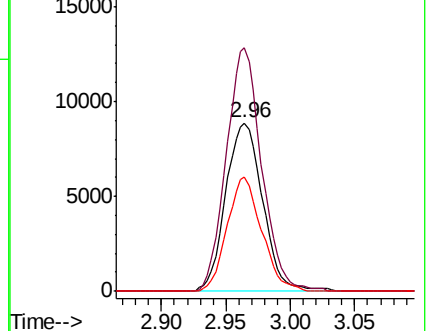
98 67.5 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VU033973.D (-568) (-)

Ion 60.90 (60.60 to 61.60): VU033973.D (-568) (-)

Ion 97.90 (97.60 to 98.60): VU033973.D (-568) (-)



#22

Diisopropyl ether

Concen: 3.994 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Tgt Ion: 45 Resp: 51569

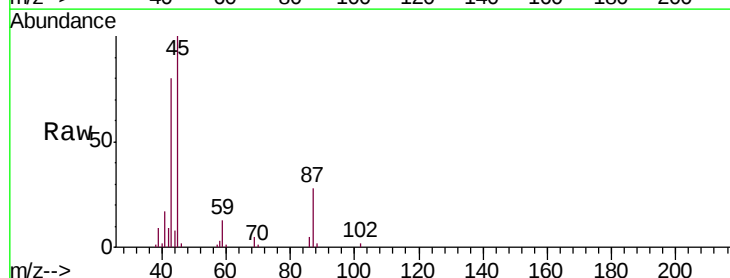
Ion Ratio Lower Upper

45 100

43 76.6 51.6 77.4

87 28.5 24.4 36.6

59 12.6 9.8 14.6

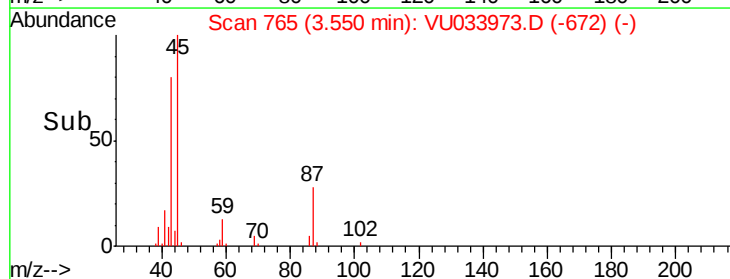
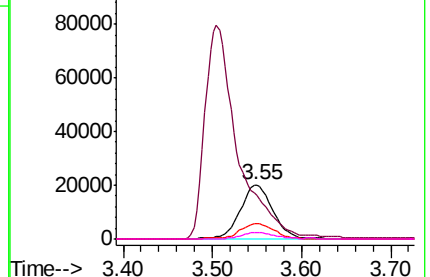


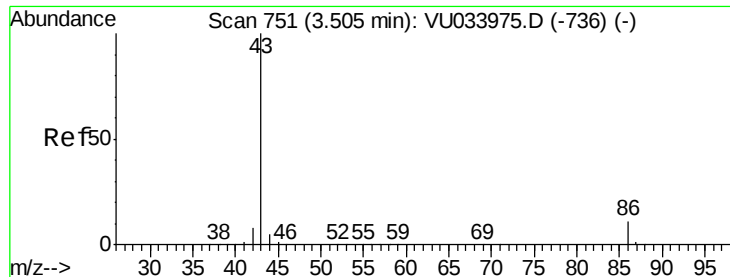
Abundance Ion 45.00 (44.70 to 45.70): VU033973.D (-739) (-)

Ion 43.00 (42.70 to 43.70): VU033973.D (-739) (-)

Ion 87.00 (86.70 to 87.70): VU033973.D (-739) (-)

Ion 59.00 (58.70 to 59.70): VU033973.D (-739) (-)





#23

Vinyl Acetate

Concen: 19.269 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

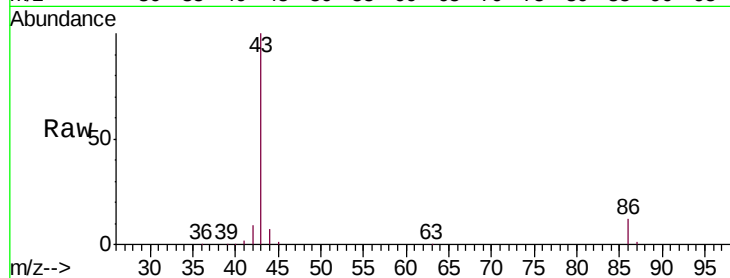
VSTDIC005

Tgt Ion: 43 Resp: 204937

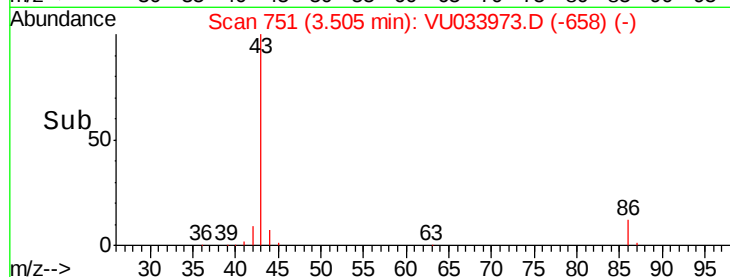
Ion Ratio Lower Upper

43 100

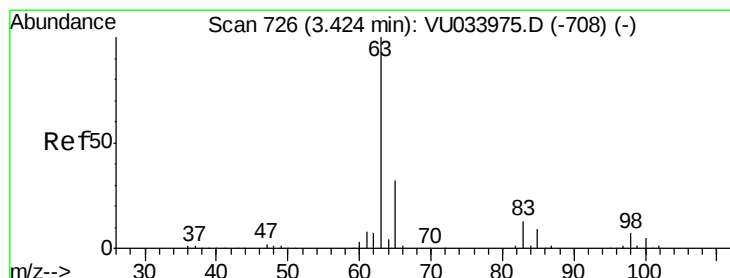
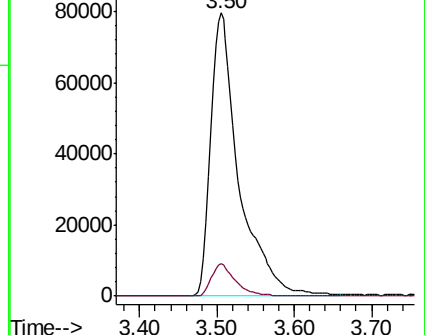
86 11.5 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VU033973.D (-658) (-)



Ion 86.00 (85.70 to 86.70): VU033973.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 4.146 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

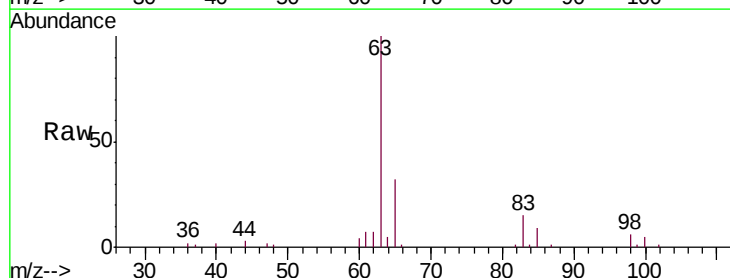
Tgt Ion: 63 Resp: 33200

Ion Ratio Lower Upper

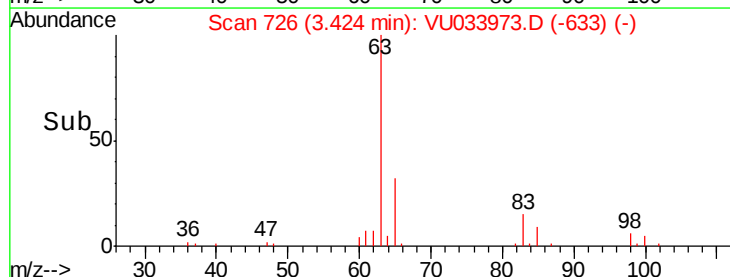
63 100

98 6.3 3.5 10.4

100 4.8 2.3 6.8

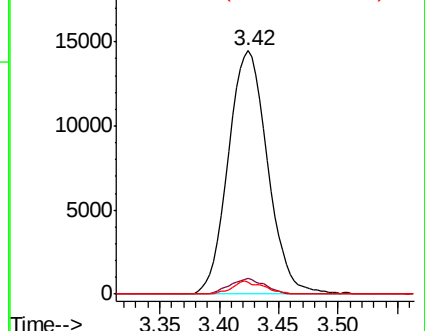


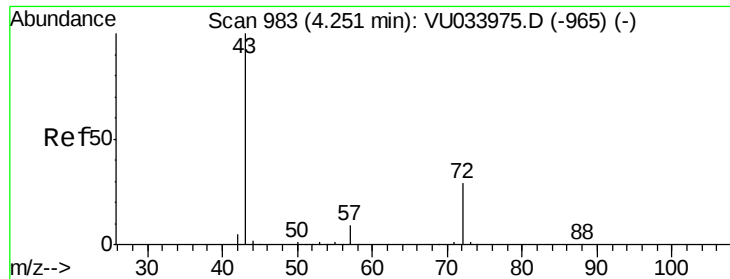
Abundance Ion 62.90 (62.60 to 63.60): VU033973.D (-633) (-)



Ion 97.90 (97.60 to 98.60): VU033973.D (-633) (-)

Ion 99.90 (99.60 to 100.60): VU033973.D (-633) (-)





#25

2-Butanone

Concen: 18.429 ug/l

RT: 4.24 min Scan# 981

Delta R.T. -0.01 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

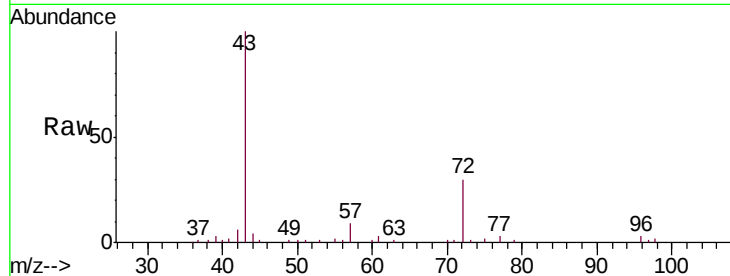
VSTDIC005

Tgt Ion: 43 Resp: 67717

Ion Ratio Lower Upper

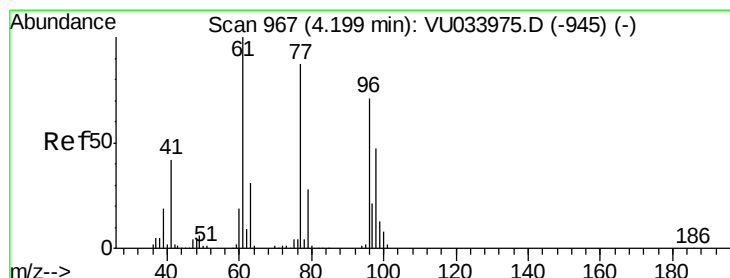
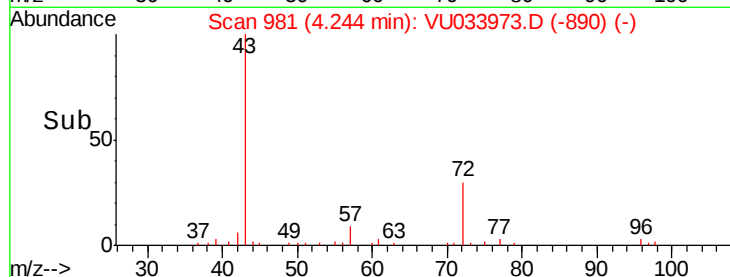
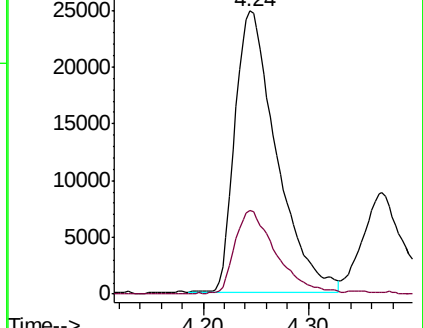
43 100

72 29.8 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VU033973.D (-965) (-)

Ion 72.00 (71.70 to 72.70): VU033973.D (-965) (-)



#26

2,2-Dichloropropane

Concen: 4.195 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033973.D

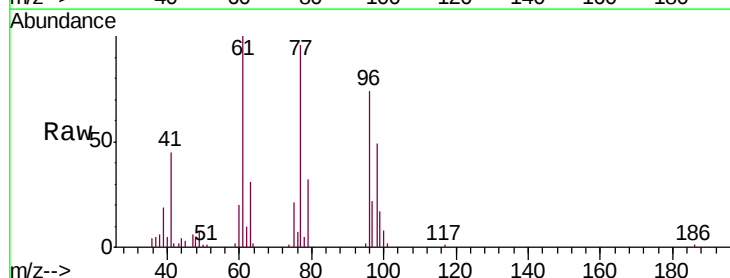
Acq: 27 Aug 2019 15:07

Tgt Ion: 77 Resp: 27333

Ion Ratio Lower Upper

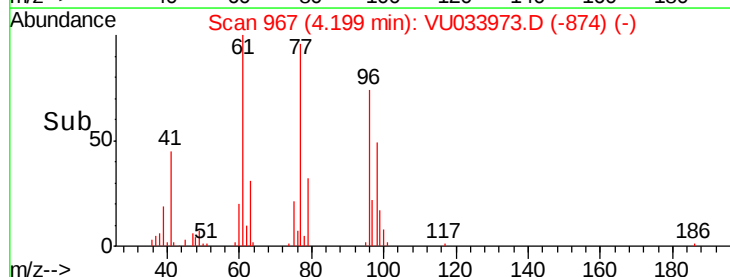
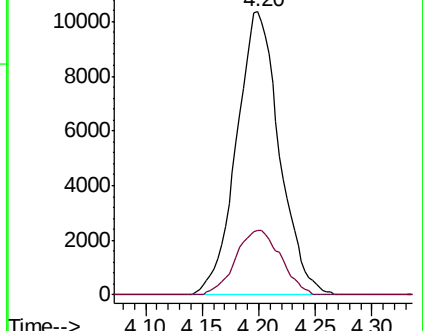
77 100

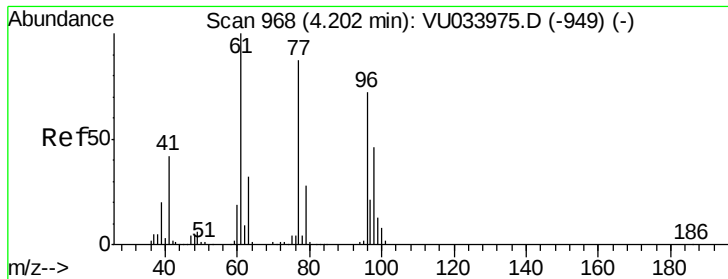
97 24.0 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VU033973.D (-945) (-)

Ion 96.90 (96.60 to 97.60): VU033973.D (-945) (-)



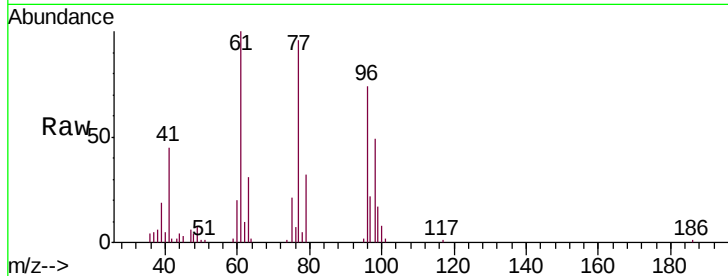


#27

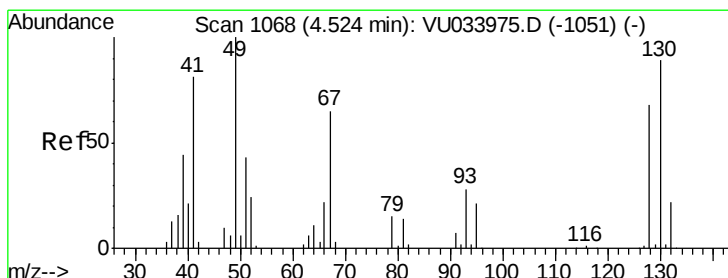
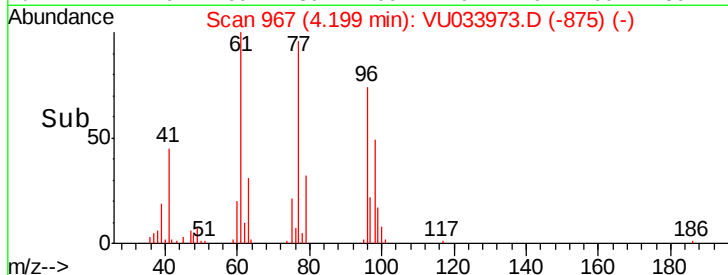
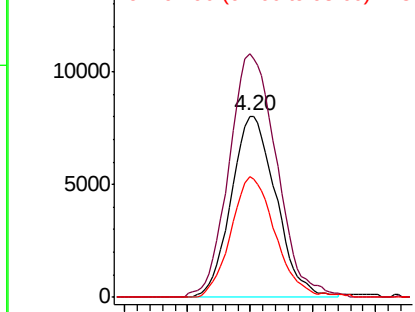
cis-1,2-Dichloroethene
Concen: 4.433 ug/l
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 19916
Ion Ratio Lower Upper
96 100
61 143.3 0.0 287.2
98 65.3 0.0 131.8



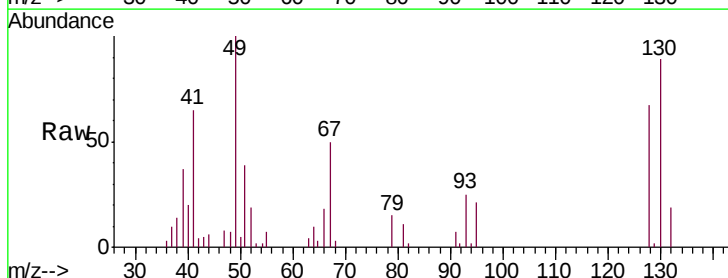
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



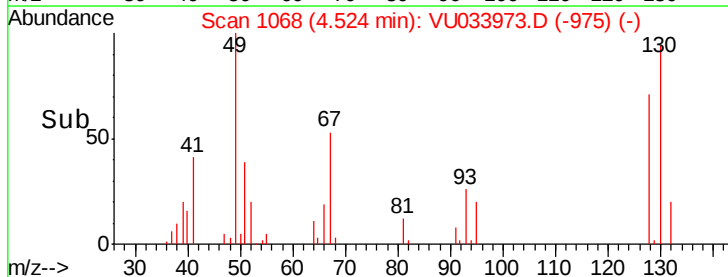
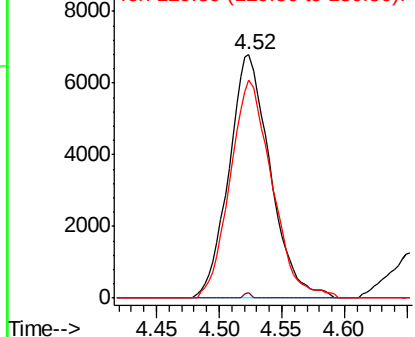
#28

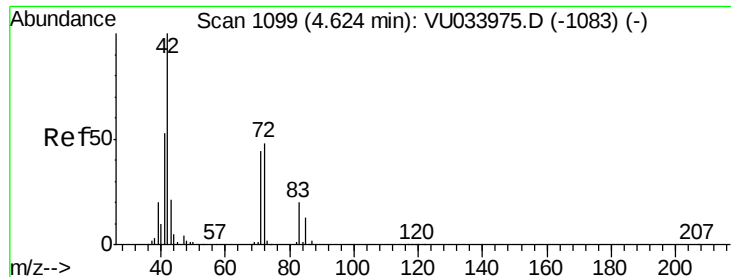
Bromochloromethane
Concen: 3.976 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion: 49 Resp: 15587
Ion Ratio Lower Upper
49 100
129 0.4 0.0 4.6
130 90.4 71.0 106.6



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

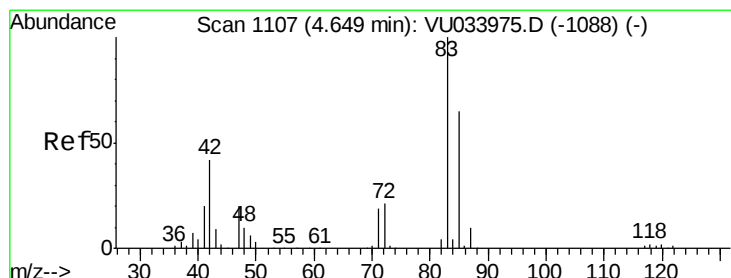
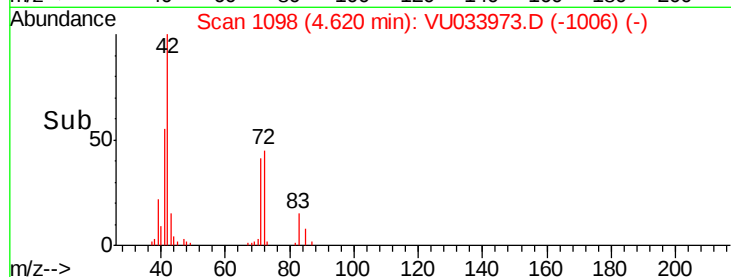
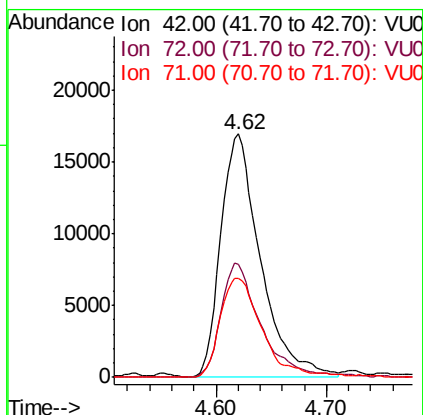
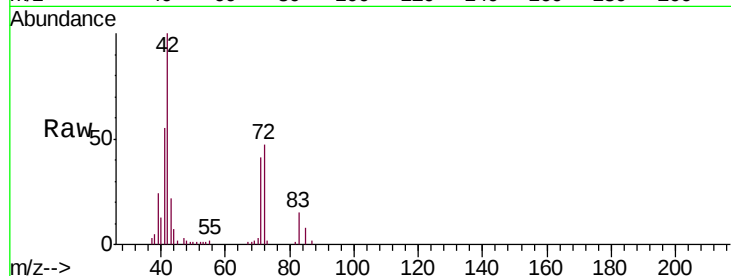




#29
Tetrahydrofuran
Concen: 19.128 ug/l
RT: 4.62 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

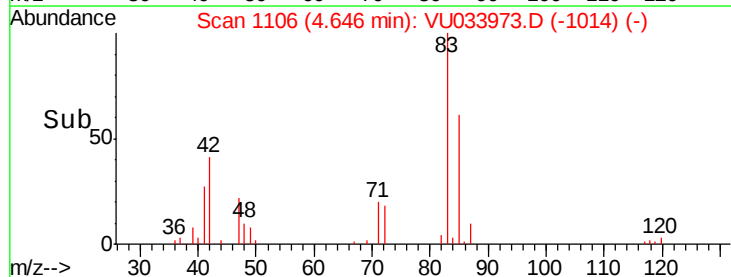
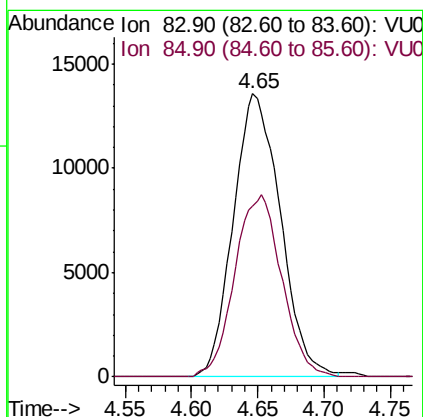
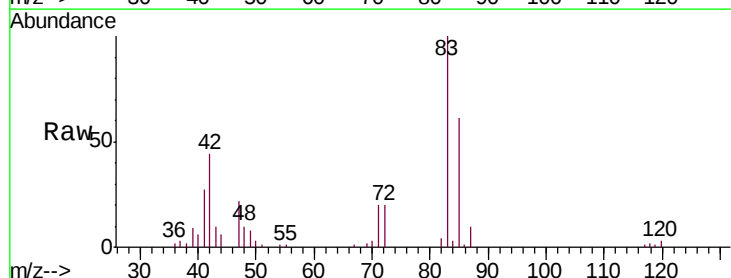
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

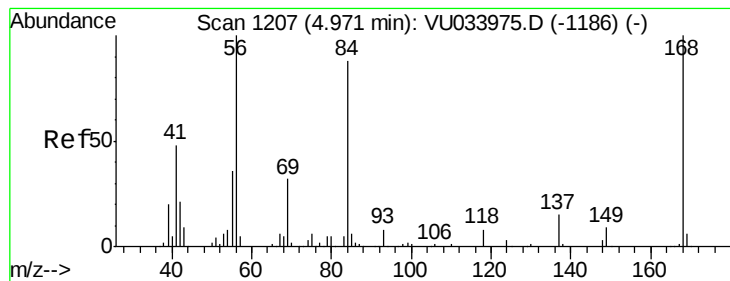
Tgt Ion: 42 Resp: 42362
Ion Ratio Lower Upper
42 100
72 46.2 38.9 58.3
71 41.9 35.7 53.5



#30
Chloroform
Concen: 4.206 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion: 83 Resp: 33611
Ion Ratio Lower Upper
83 100
85 60.5 52.1 78.1





#31

Cyclohexane

Concen: 4.689 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

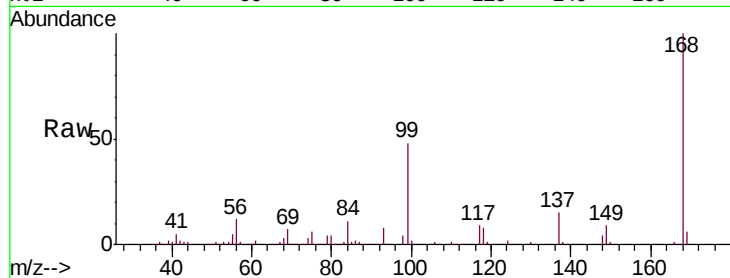
Tgt Ion: 56 Resp: 32825

Ion Ratio Lower Upper

56 100

69 54.1 25.9 38.9#

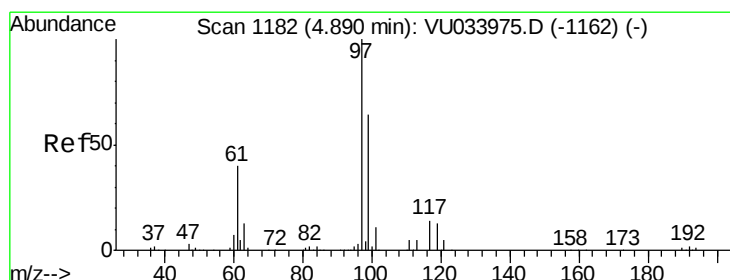
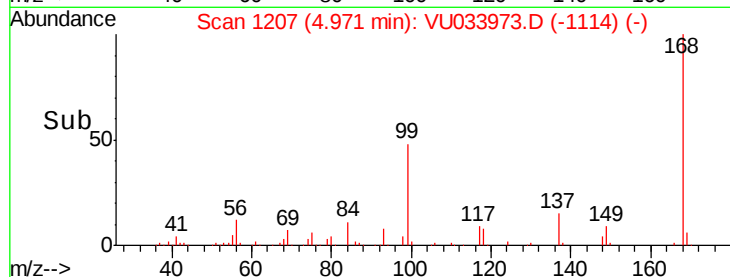
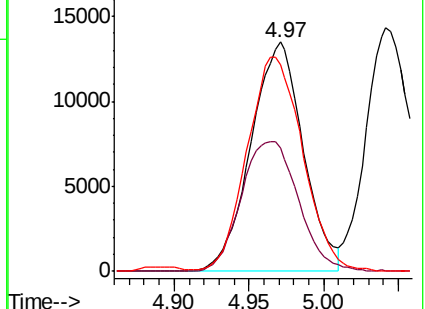
84 89.3 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VU033973.D (-1186) (-)

Ion 69.00 (68.70 to 69.70): VU033973.D (-1186) (-)

Ion 84.00 (83.70 to 84.70): VU033973.D (-1186) (-)



#32

1,1,1-Trichloroethane

Concen: 4.094 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

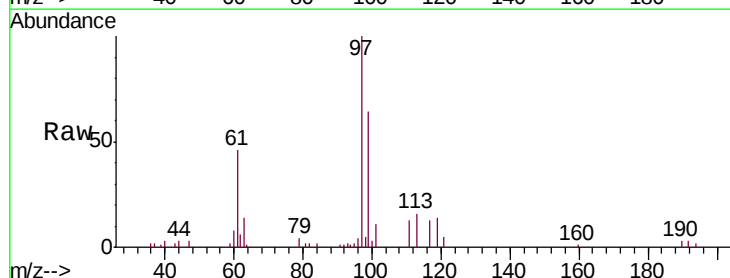
Tgt Ion: 97 Resp: 26852

Ion Ratio Lower Upper

97 100

99 66.5 51.6 77.4

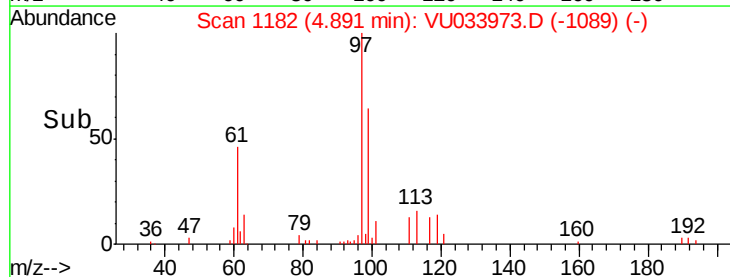
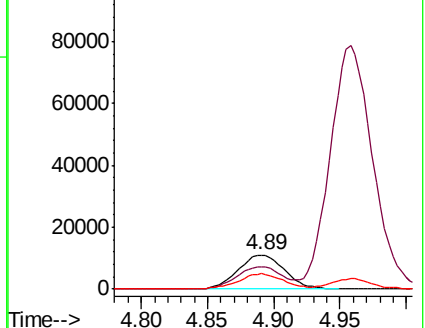
61 44.2 32.7 49.1

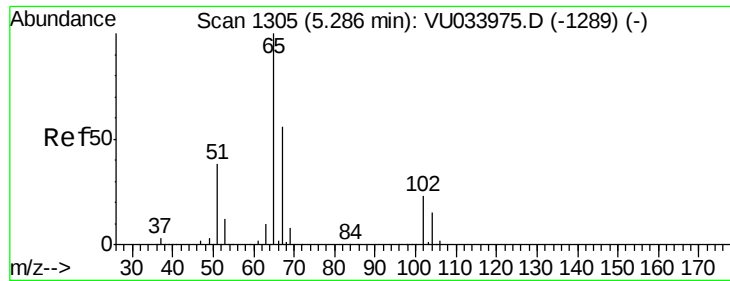


Abundance Ion 96.90 (96.60 to 97.60): VU033973.D (-1162) (-)

Ion 98.90 (98.60 to 99.60): VU033973.D (-1162) (-)

Ion 60.90 (60.60 to 61.60): VU033973.D (-1162) (-)

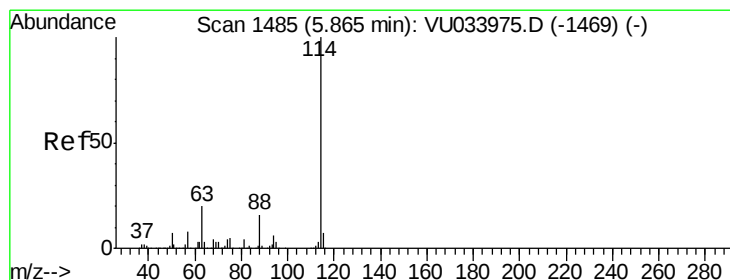
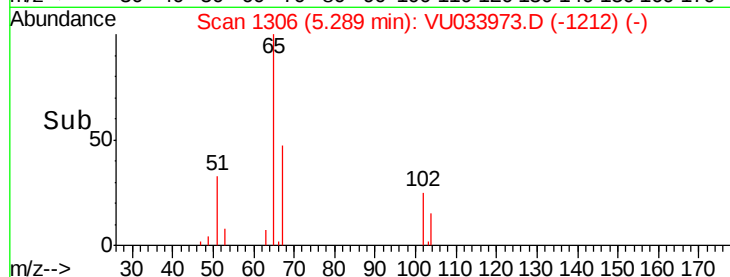
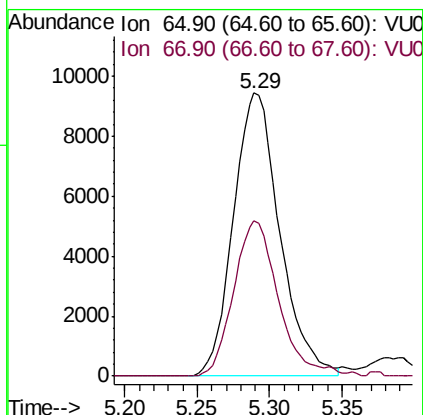
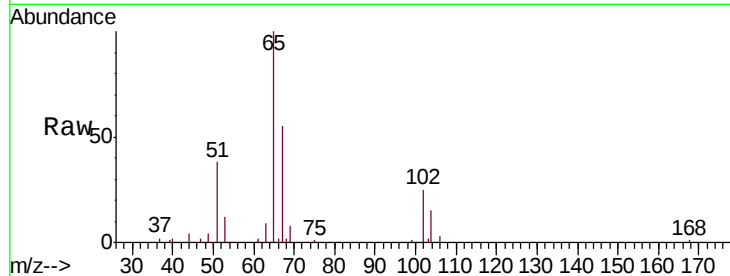




#33
 1,2-Dichloroethane-d4
 Concen: 4.285 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

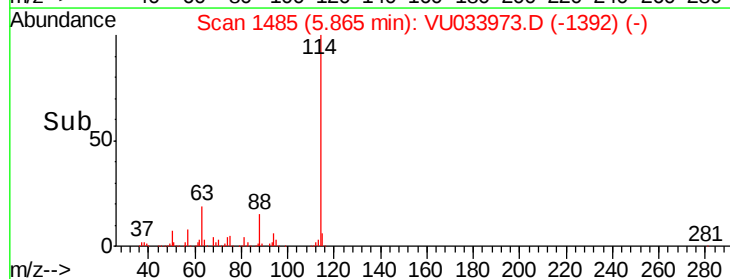
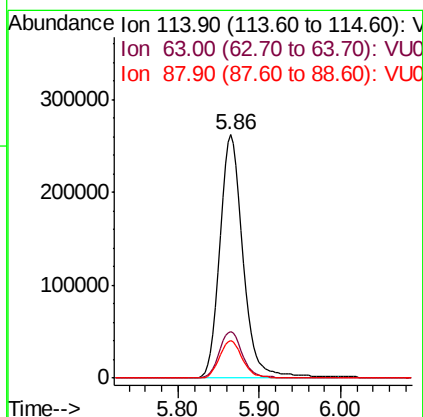
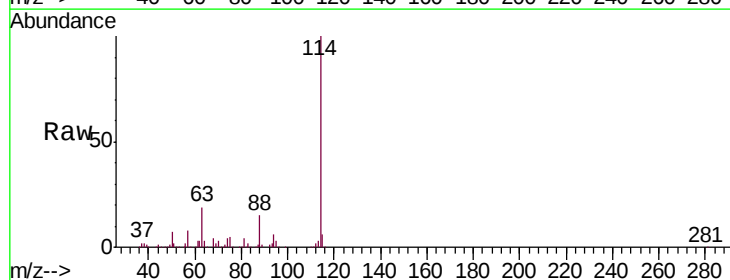
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

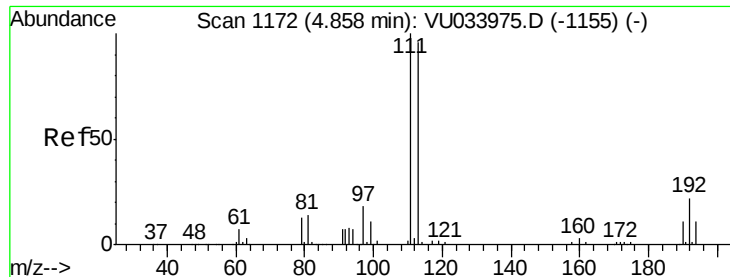
Tgt Ion: 65 Resp: 21034
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion: 114 Resp: 531828
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.0
 88 15.4 0.0 31.2

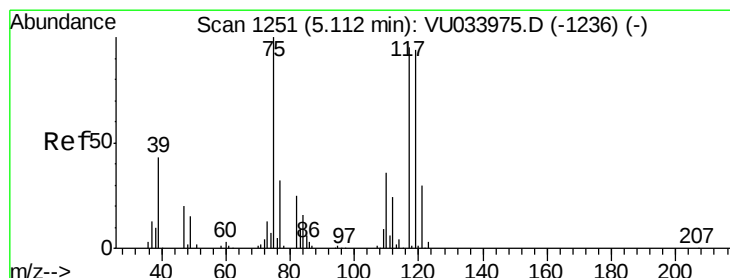
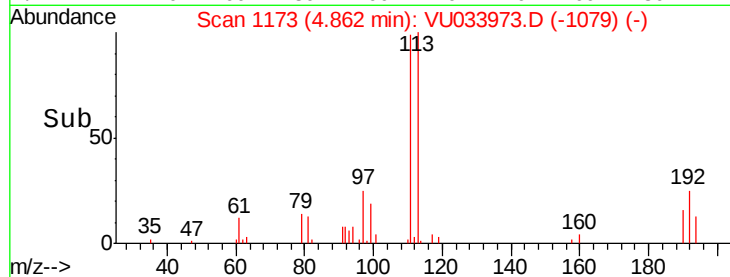
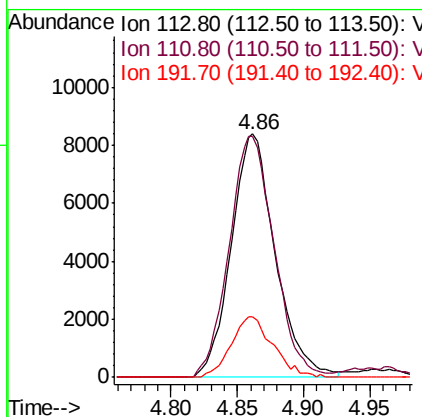
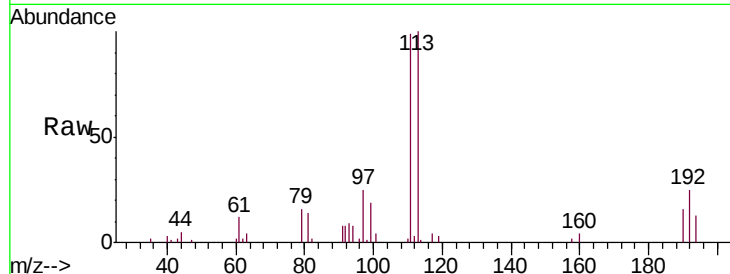




#35
 Dibromofluoromethane
 Concen: 5.181 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

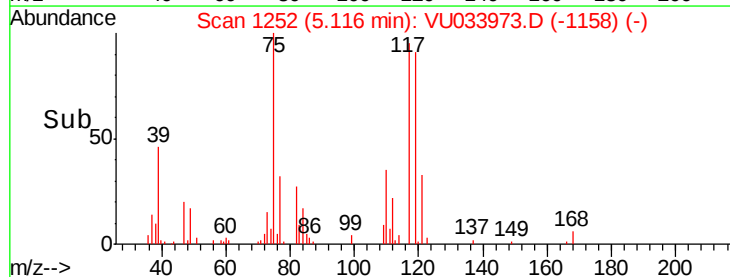
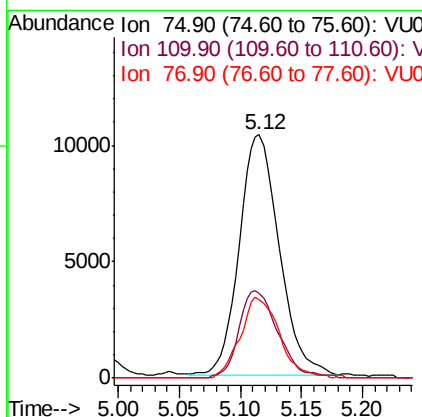
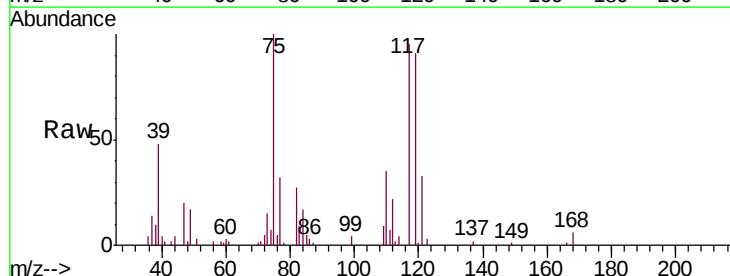
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

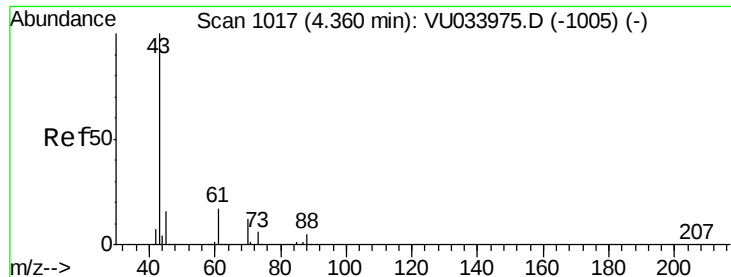
Tgt Ion:113 Resp: 19396
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.7 122.5
 192 23.6 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 4.332 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion: 75 Resp: 23262
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.2 54.6
 77 33.0 24.8 37.2

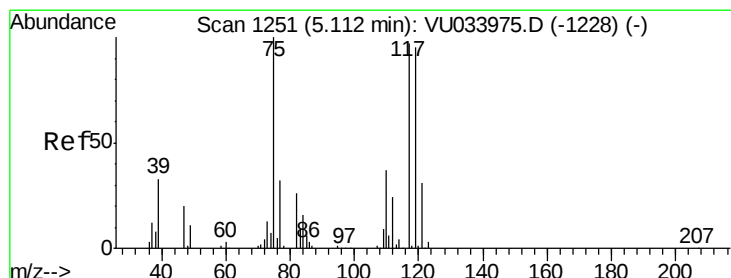
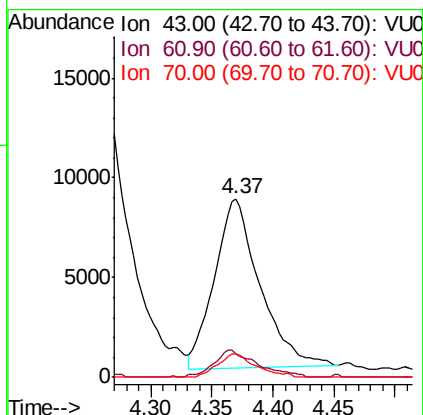
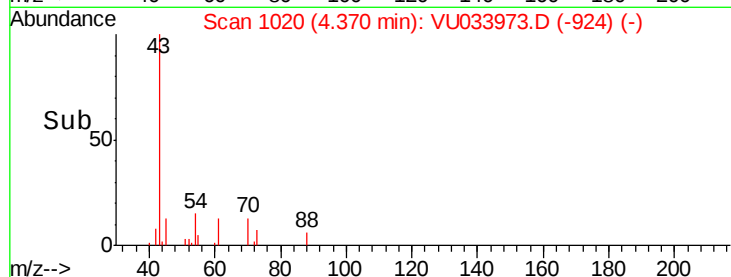
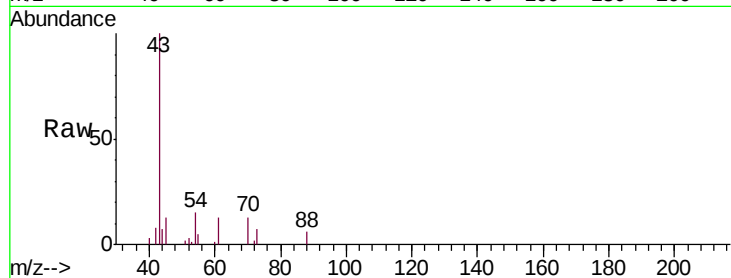




#37
Ethyl Acetate
Concen: 3.549 ug/l
RT: 4.37 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

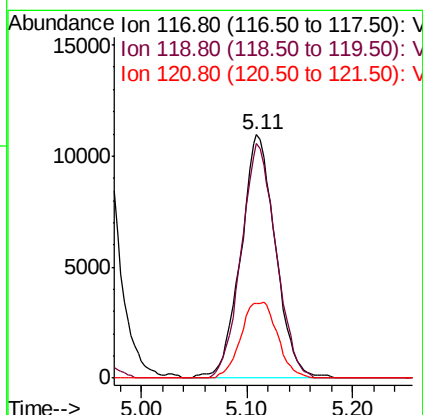
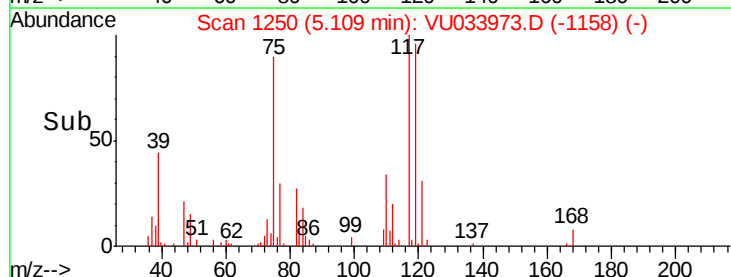
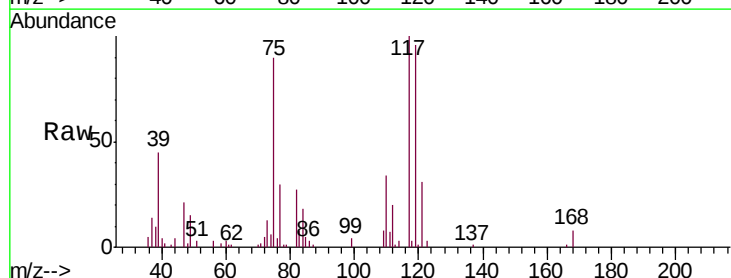
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

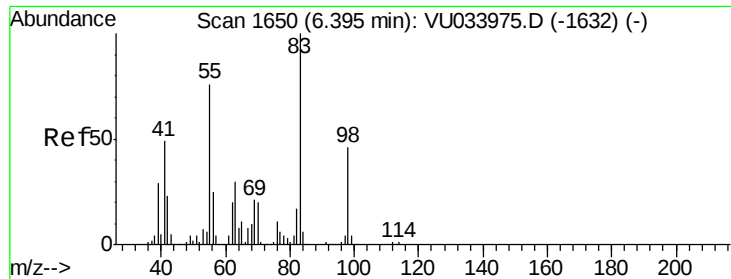
Tgt Ion: 43 Resp: 22136
Ion Ratio Lower Upper
43 100
61 15.4 12.0 18.0
70 11.7 9.2 13.8



#38
Carbon Tetrachloride
Concen: 4.624 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion: 117 Resp: 25013
Ion Ratio Lower Upper
117 100
119 96.5 78.4 117.6
121 30.9 25.4 38.2

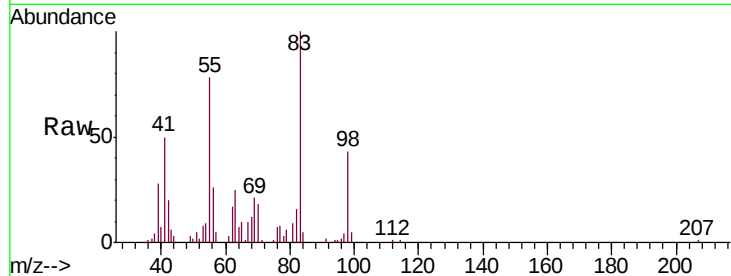




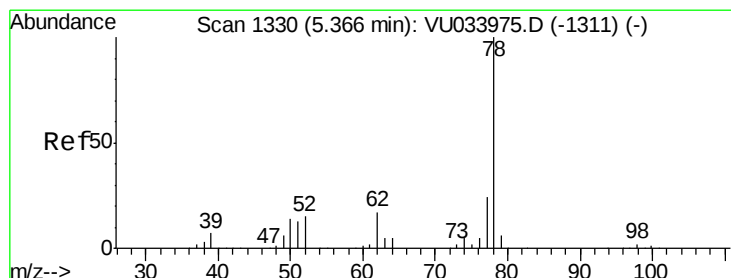
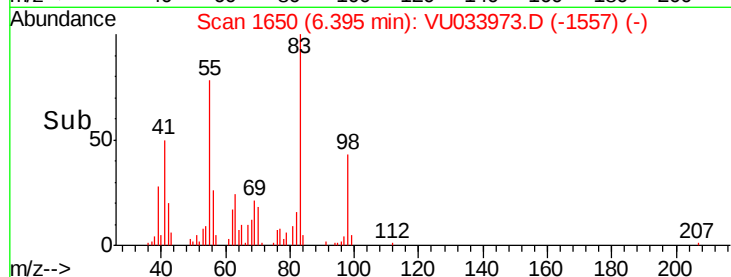
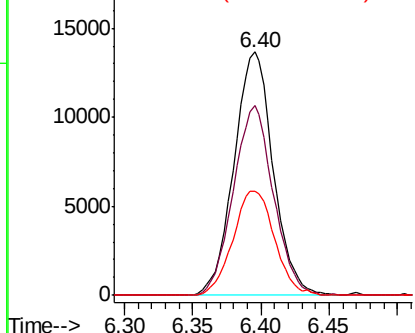
#39
Methylcyclohexane
Concen: 4.565 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 27319
Ion Ratio Lower Upper
83 100
55 77.8 60.8 91.2
98 43.0 36.5 54.7

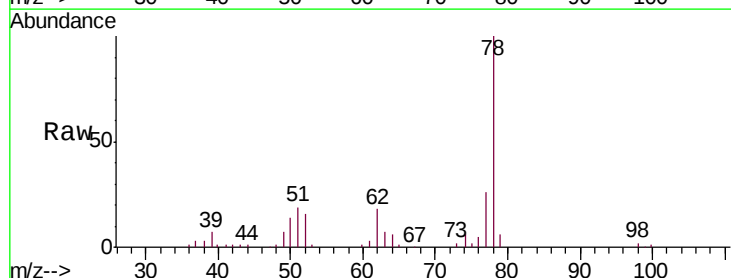


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

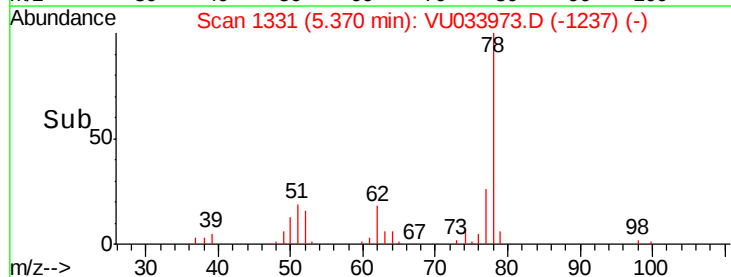
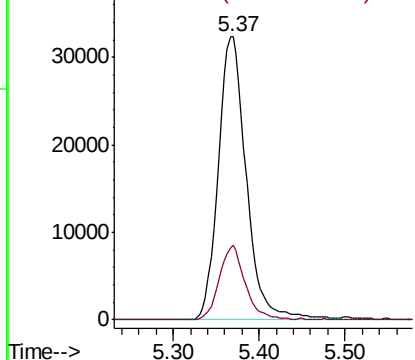


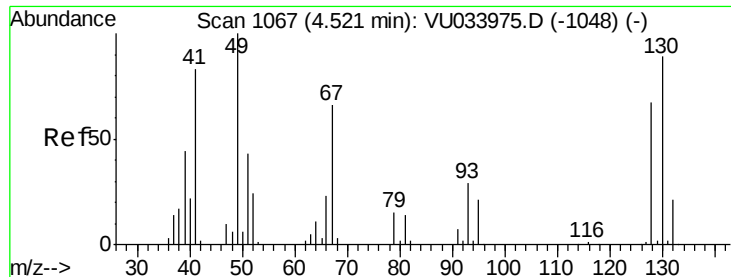
#40
Benzene
Concen: 4.604 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion: 78 Resp: 73543
Ion Ratio Lower Upper
78 100
77 26.2 19.2 28.8



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





#41

Methacrylonitrile

Concen: 3.736 ug/l

RT: 4.53 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 11693

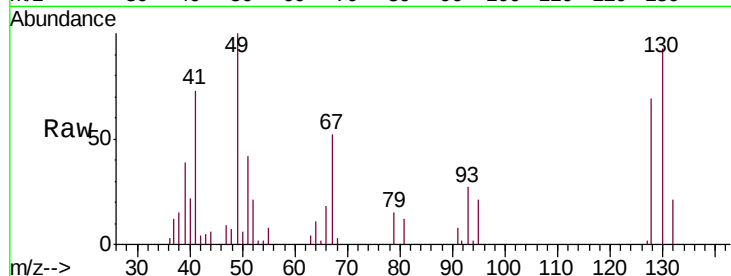
Ion Ratio Lower Upper

41 100

39 60.3 41.5 62.3

67 82.2 65.0 97.6

52 34.6 23.3 34.9



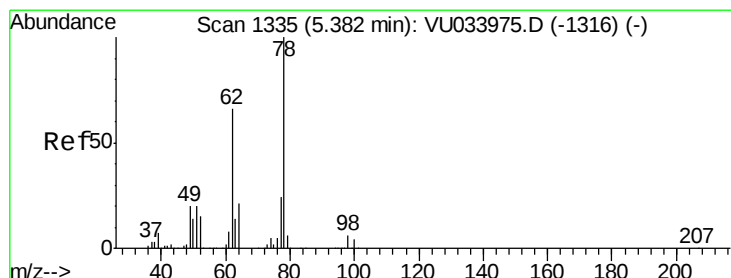
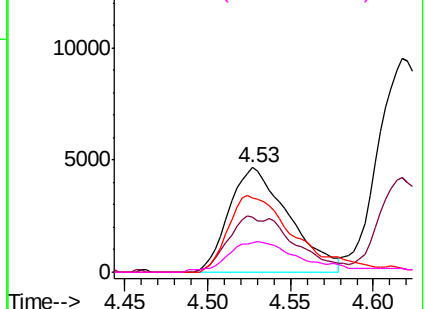
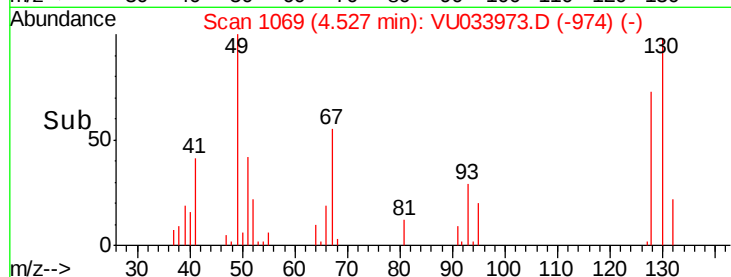
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 4.274 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU033973.D

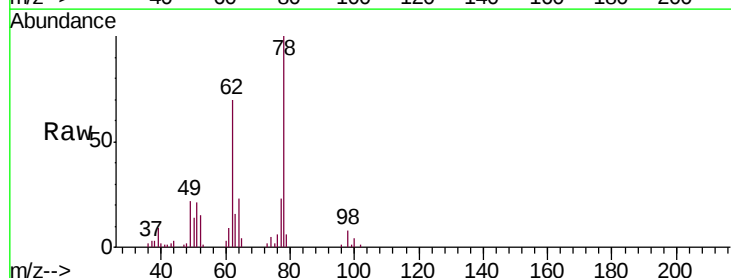
Acq: 27 Aug 2019 15:07

Tgt Ion: 62 Resp: 24949

Ion Ratio Lower Upper

62 100

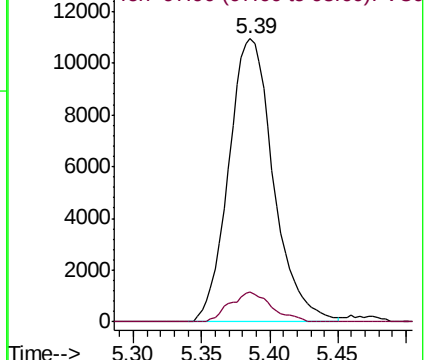
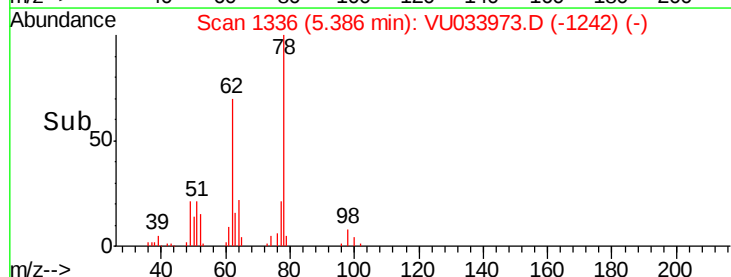
98 9.9 0.0 20.0

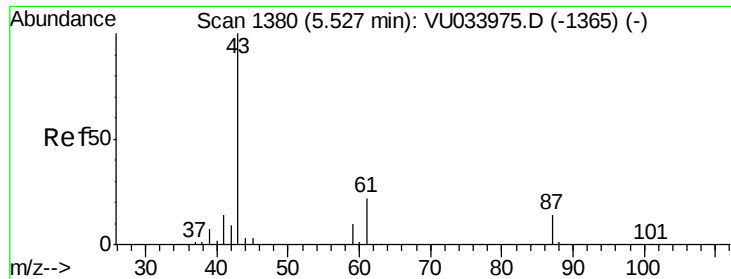


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

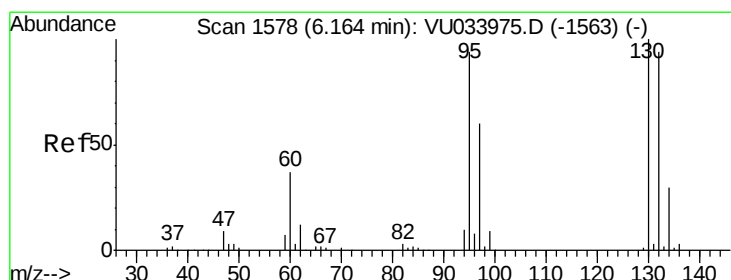
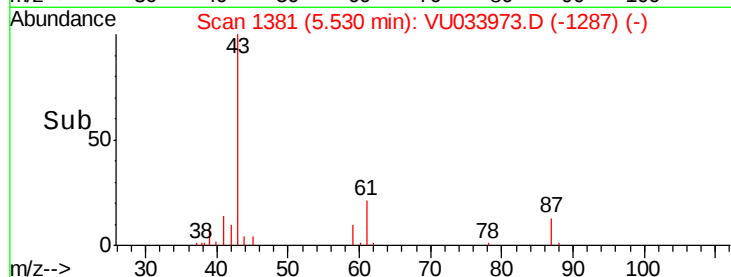
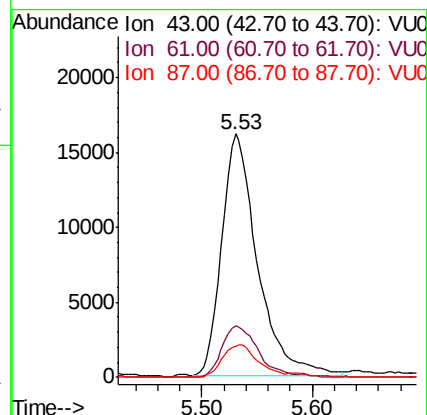
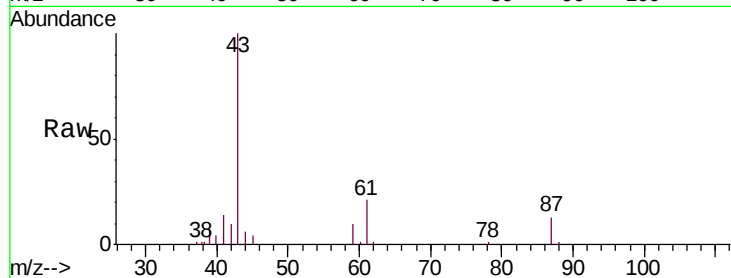




#43
Isopropyl Acetate
Concen: 3.984 ug/l
RT: 5.53 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

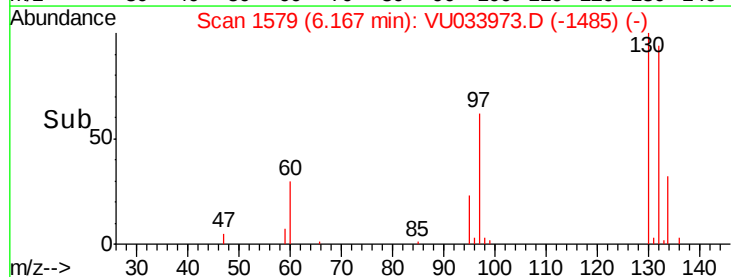
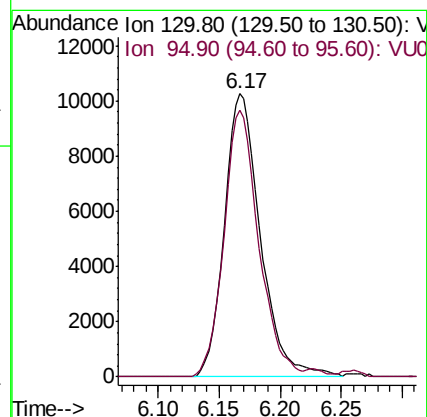
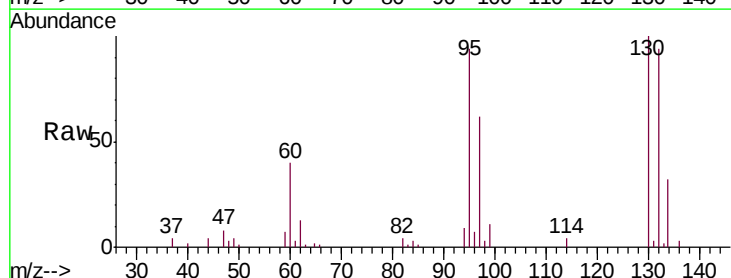
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

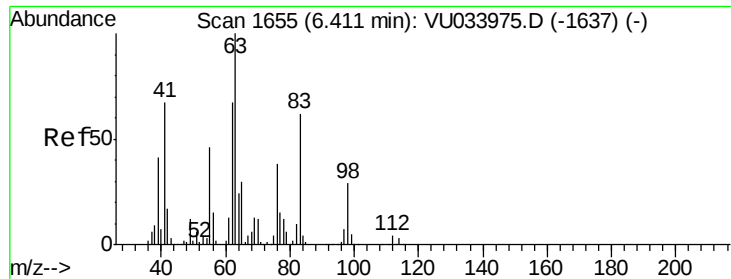
Tgt Ion: 43 Resp: 36342
Ion Ratio Lower Upper
43 100
61 21.3 17.8 26.8
87 13.3 11.9 17.9



#44
Trichloroethene
Concen: 5.030 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion: 130 Resp: 21222
Ion Ratio Lower Upper
130 100
95 94.2 0.0 187.6





#45

1,2-Dichloropropane

Concen: 4.444 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

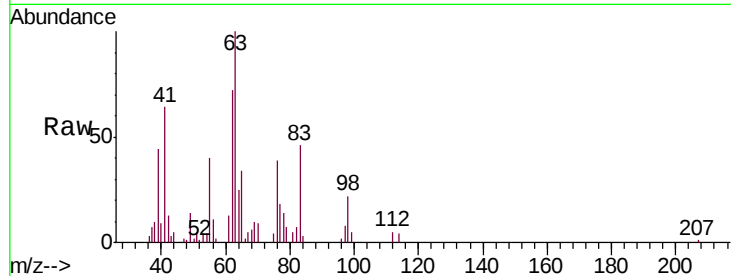
VSTDIC005

Tgt Ion: 63 Resp: 19574

Ion Ratio Lower Upper

63 100

65 33.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VU033973.D (-1637) (-)

Ion 64.90 (64.60 to 65.60): VU033973.D (-1637) (-)

6.41

10000

8000

6000

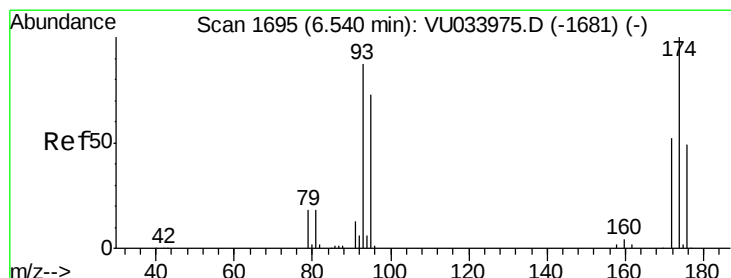
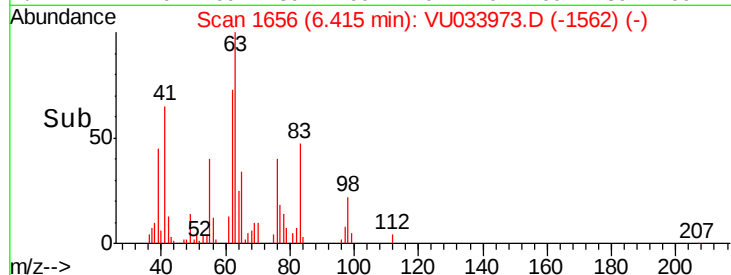
4000

2000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 4.565 ug/l

RT: 6.54 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

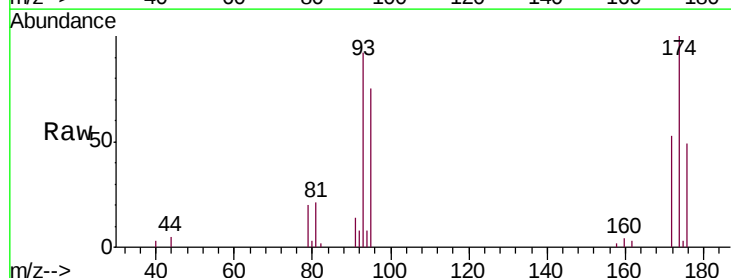
Tgt Ion: 93 Resp: 13047

Ion Ratio Lower Upper

93 100

95 82.4 66.2 99.4

174 113.6 92.2 138.2



Abundance Ion 92.80 (92.50 to 93.50): VU033973.D (-1681) (-)

Ion 94.80 (94.50 to 95.50): VU033973.D (-1681) (-)

Ion 173.70 (173.40 to 174.40): VU033973.D (-1681) (-)

6.54

8000

6000

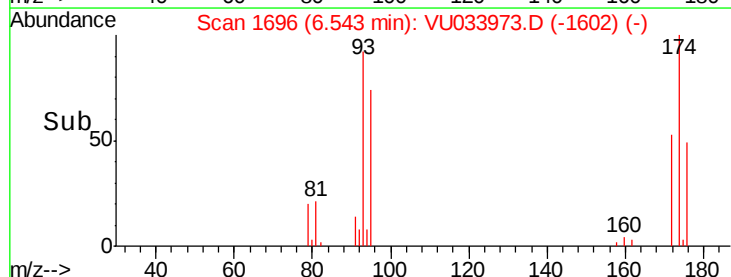
4000

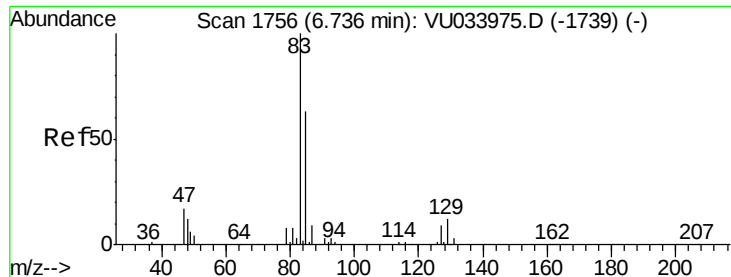
2000

0

6.50 6.55 6.60

Time-->

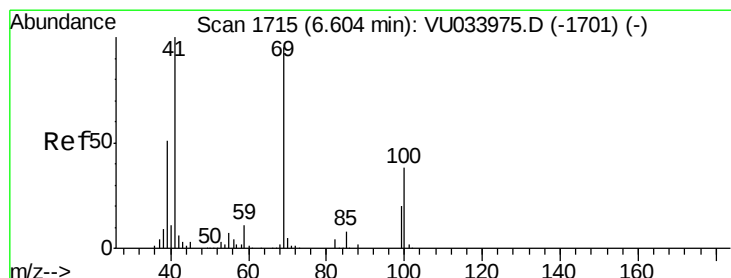
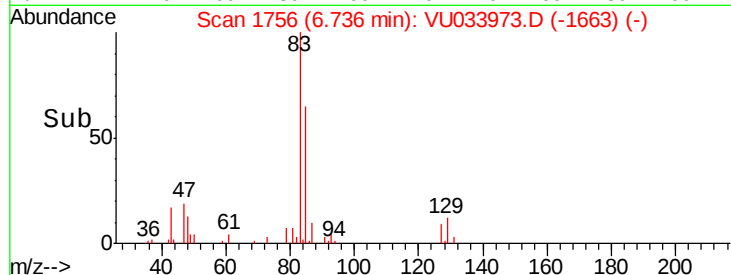
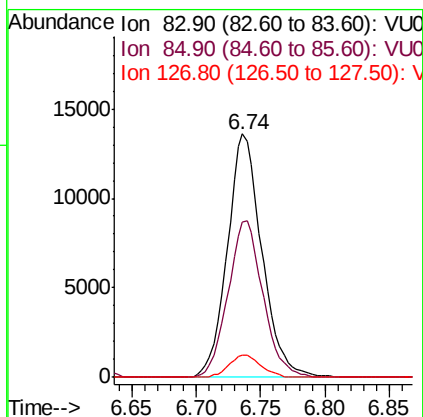
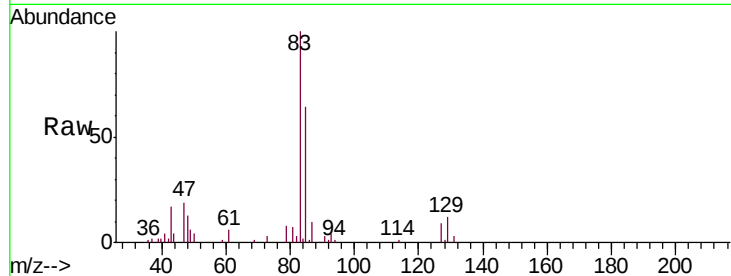




#47
 Bromodichloromethane
 Concen: 4.414 ug/l
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

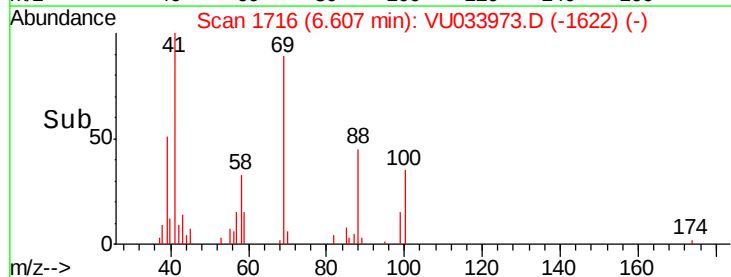
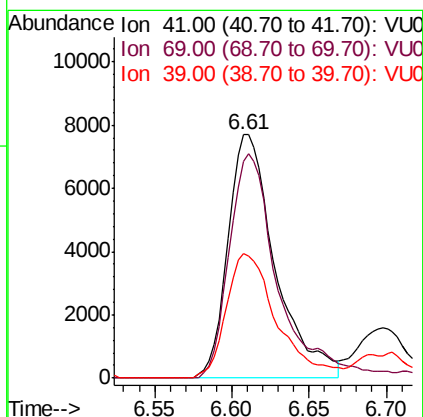
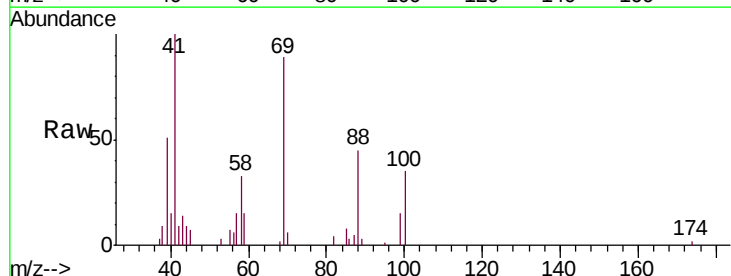
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

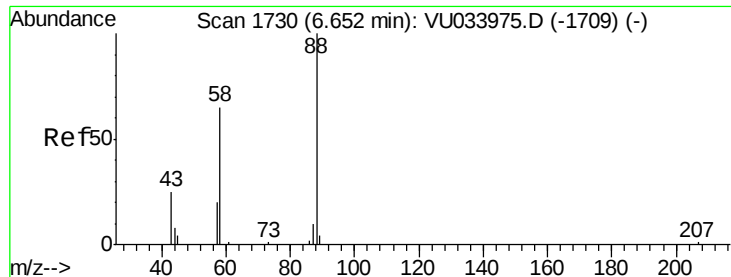
Tgt Ion: 83 Resp: 25311
 Ion Ratio Lower Upper
 83 100
 85 64.0 50.6 76.0
 127 9.1 7.4 11.0



#48
 Methyl methacrylate
 Concen: 3.986 ug/l
 RT: 6.61 min Scan# 1716
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion: 41 Resp: 16341
 Ion Ratio Lower Upper
 41 100
 69 95.1 76.3 114.5
 39 54.8 41.1 61.7

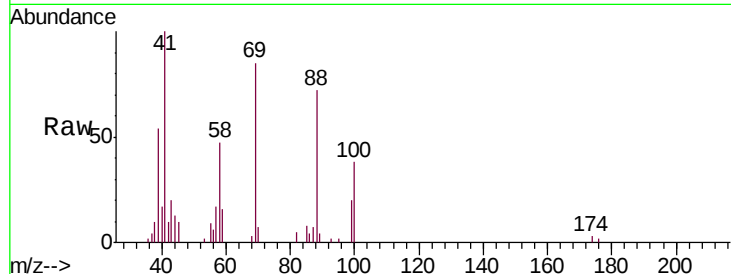




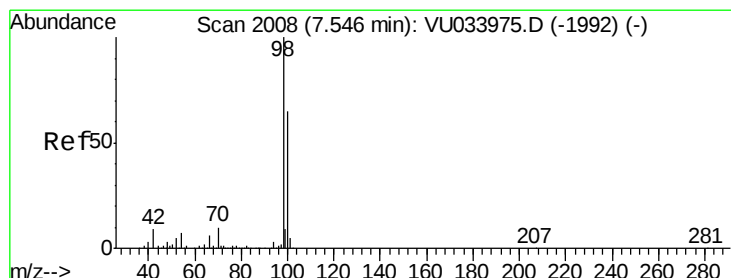
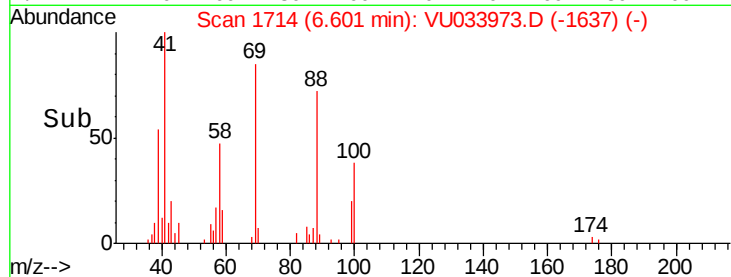
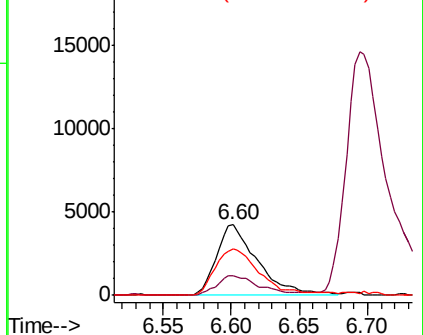
#49
1,4-Dioxane
Concen: 92.165 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. -0.05 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 8922
Ion Ratio Lower Upper
88 100
43 27.7 0.0 0.0#
58 68.7 56.6 85.0

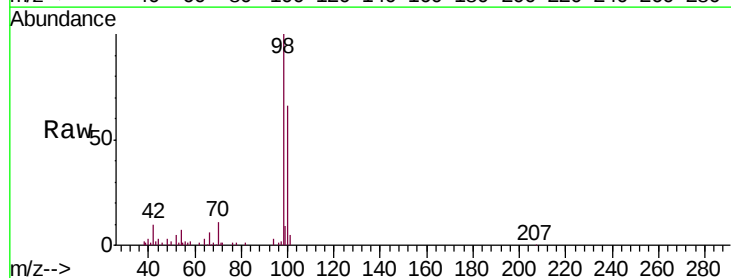


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

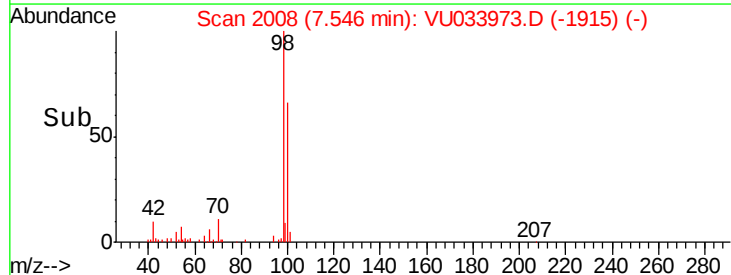
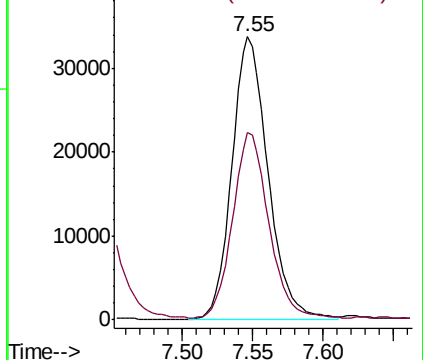


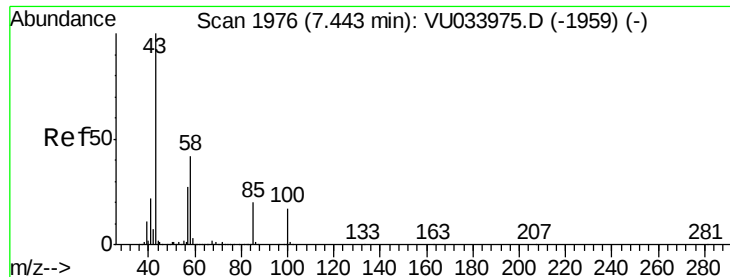
#50
Toluene-d8
Concen: 4.389 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion: 98 Resp: 60661
Ion Ratio Lower Upper
98 100
100 65.5 51.5 77.3



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

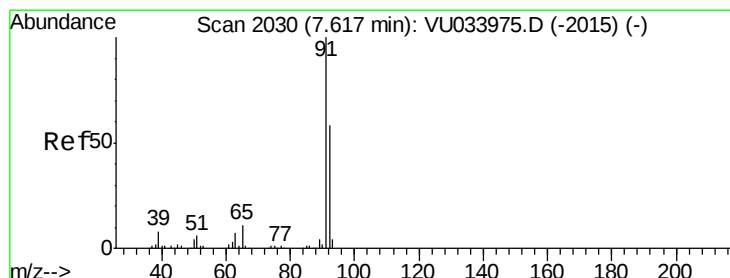
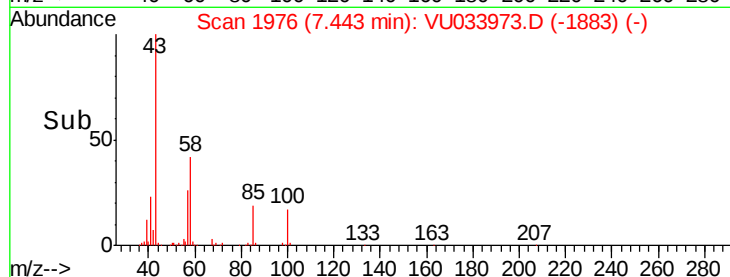
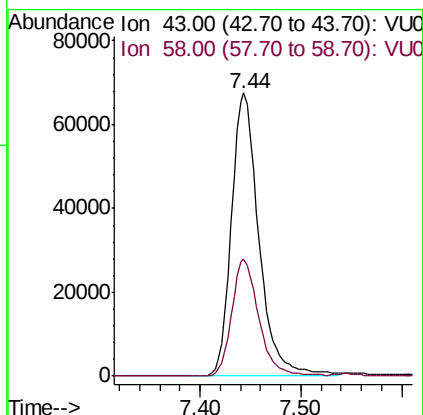
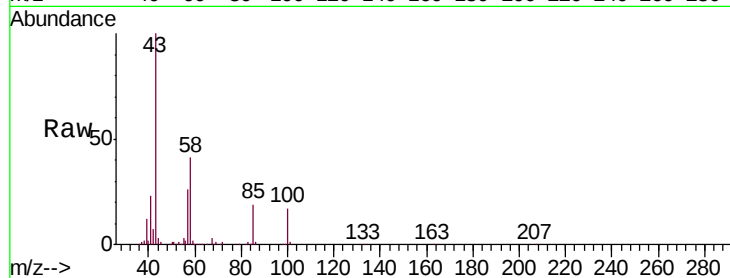




#51
 4-Methyl-2-Pentanone
 Concen: 20.786 ug/l
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

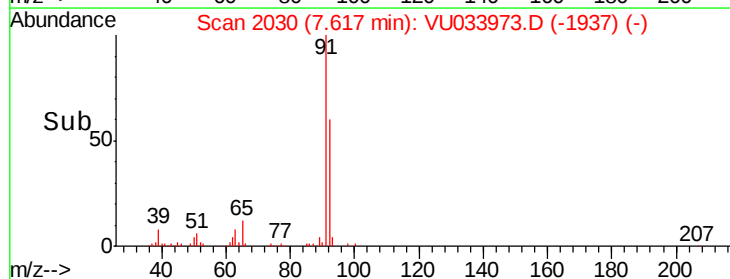
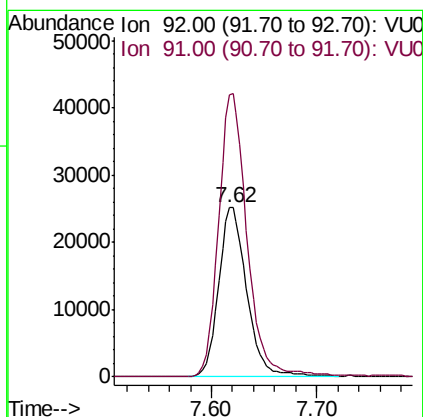
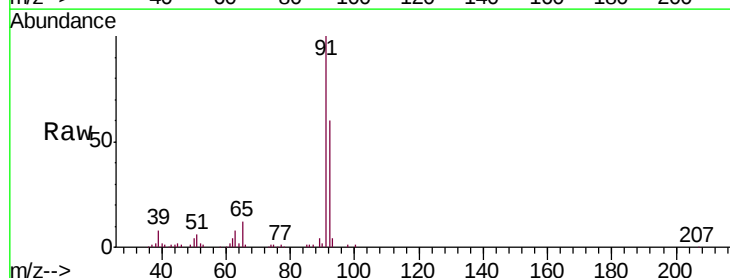
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

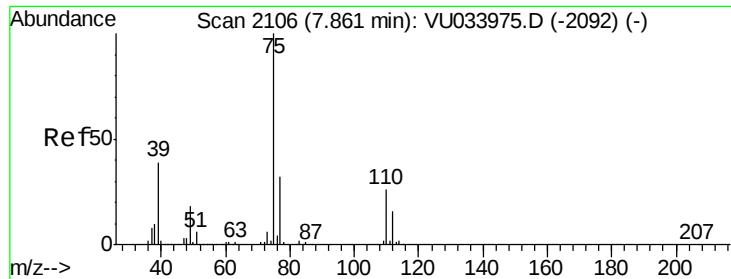
Tgt Ion: 43 Resp: 128433
 Ion Ratio Lower Upper
 43 100
 58 40.5 33.6 50.4



#52
 Toluene
 Concen: 4.994 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion: 92 Resp: 46591
 Ion Ratio Lower Upper
 92 100
 91 168.7 138.8 208.2

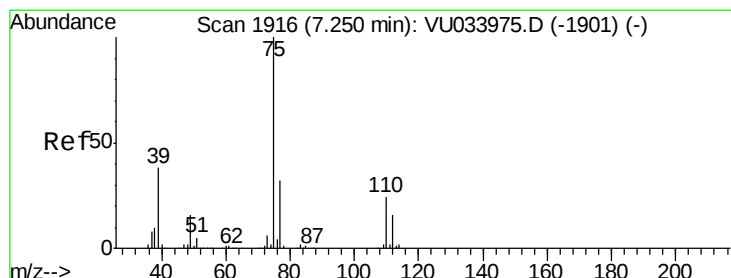
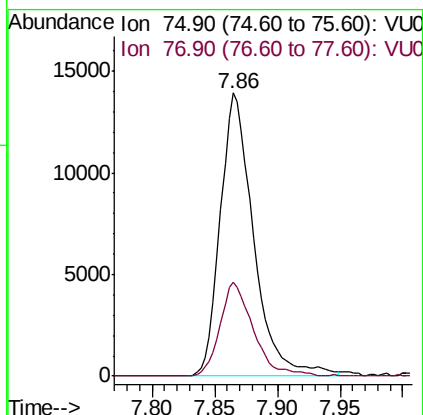
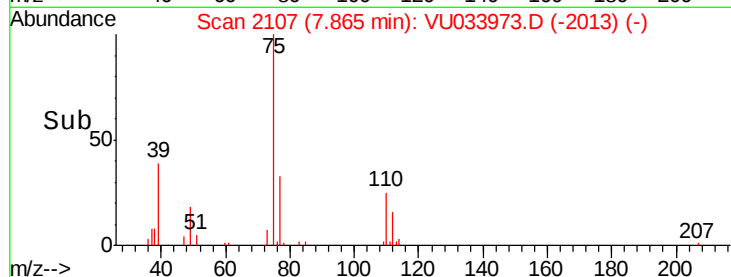
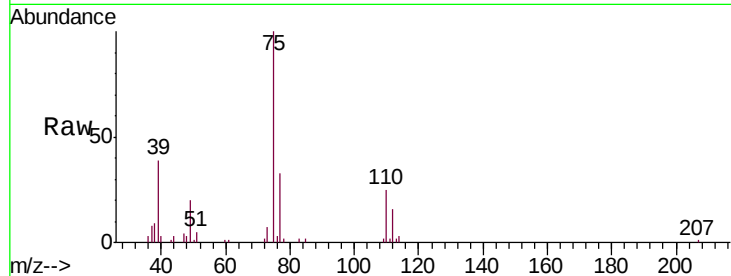




#53
 t-1,3-Dichloropropene
 Concen: 4.339 ug/l
 RT: 7.86 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

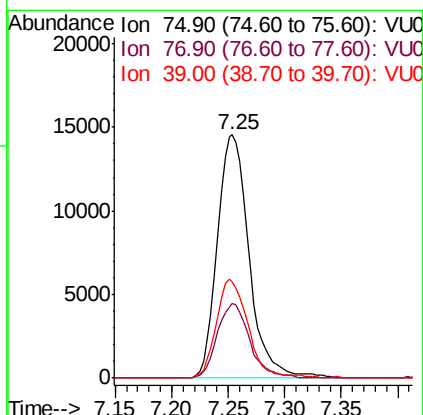
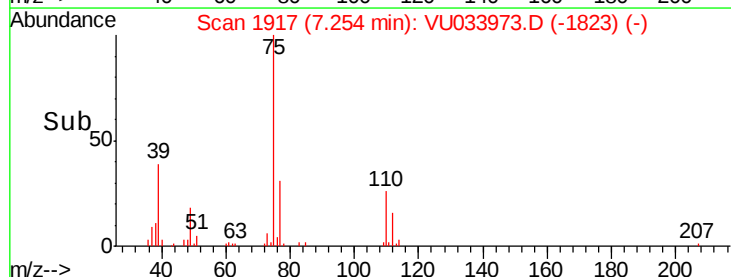
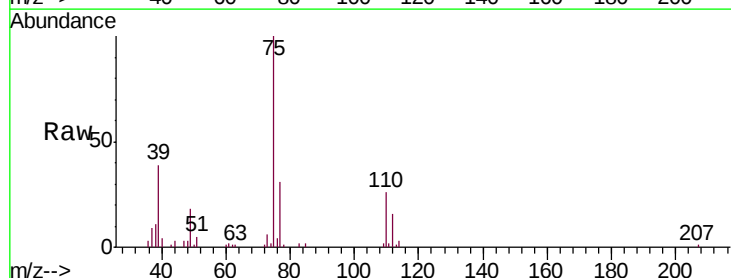
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

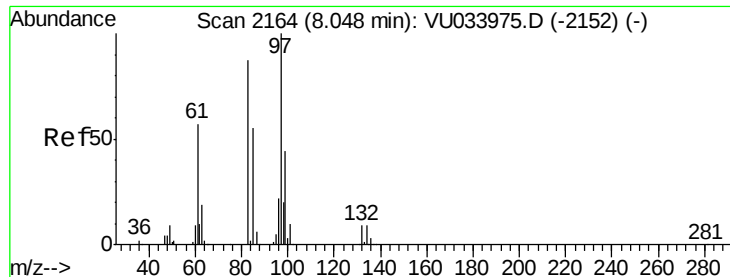
Tgt Ion: 75 Resp: 25770
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 4.279 ug/l
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion: 75 Resp: 28313
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.6 38.4
 39 39.3 30.7 46.1

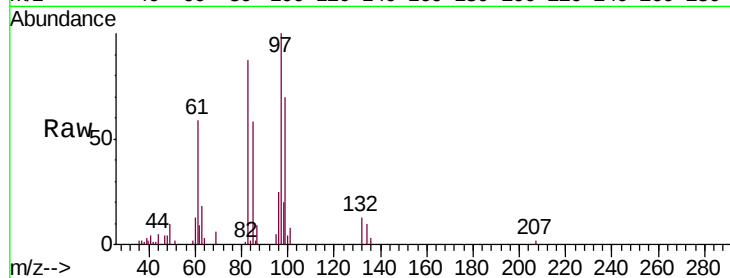




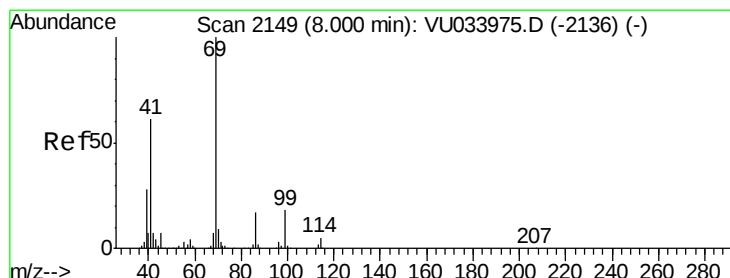
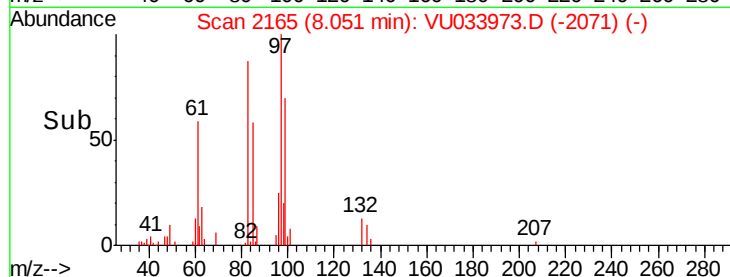
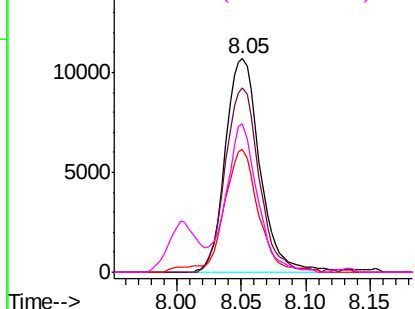
#55
 1,1,2-Trichloroethane
 Concen: 4.865 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:	97	Resp:	19903
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.8	104.6
85	57.6	45.2	67.8
99	68.3	52.2	78.4

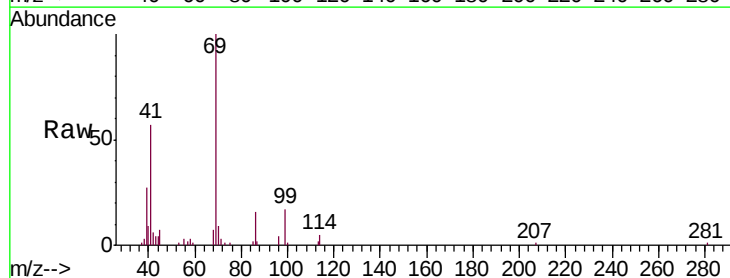


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

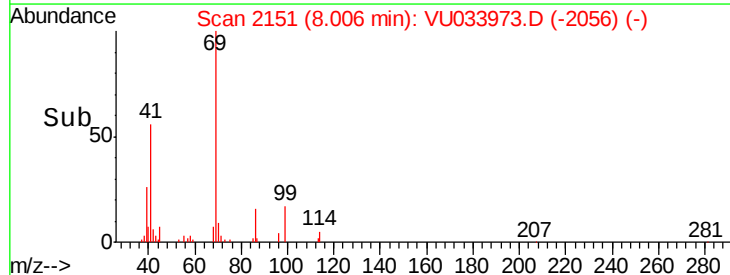
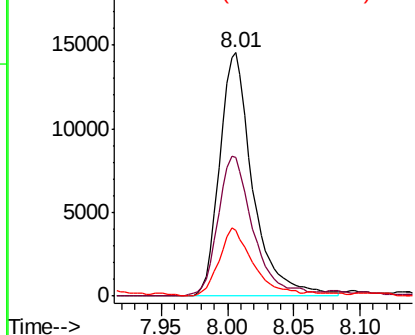


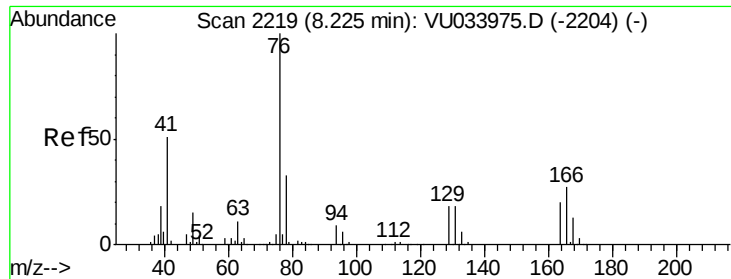
#56
 Ethyl methacrylate
 Concen: 4.554 ug/l
 RT: 8.01 min Scan# 2151
 Delta R.T. 0.01 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion:	69	Resp:	25312
Ion	Ratio	Lower	Upper
69	100		
41	61.2	48.6	72.8
39	29.0	22.4	33.6



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

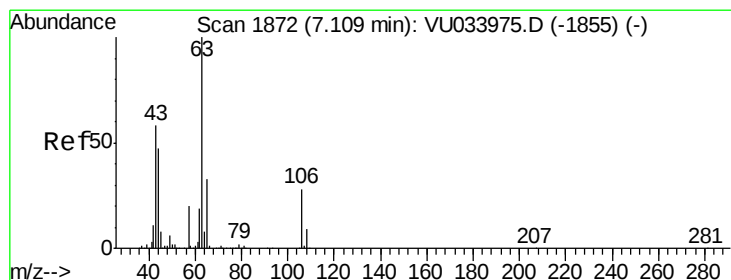
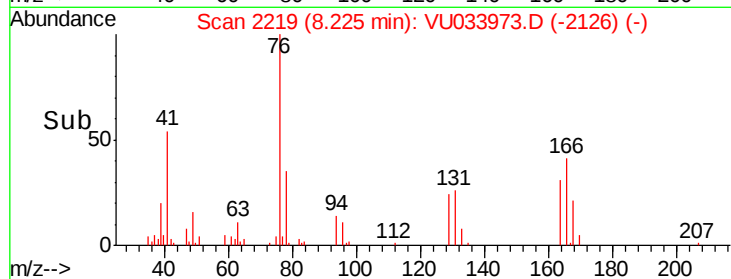
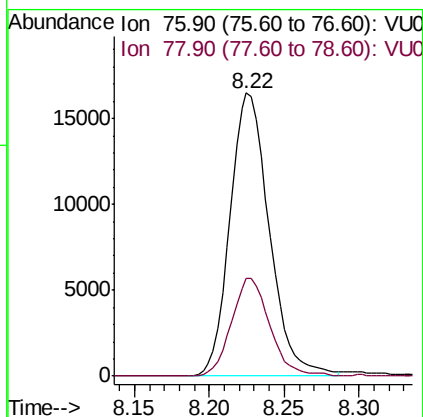
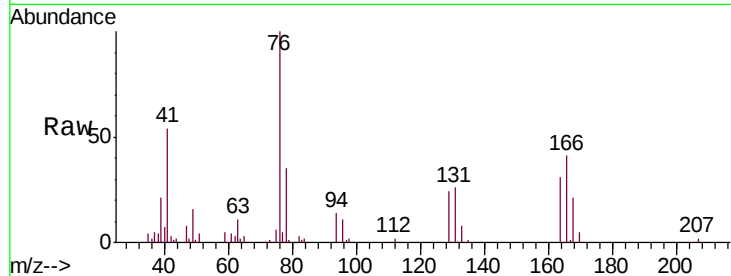




#57
 1,3-Dichloropropane
 Concen: 4.271 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

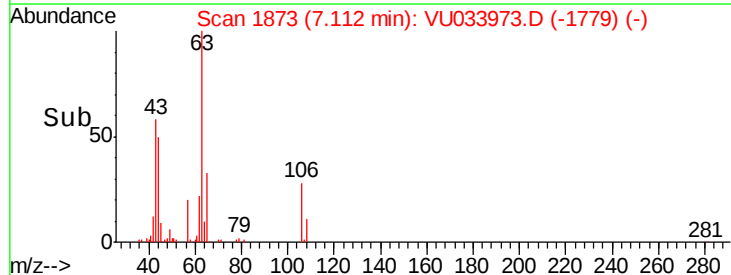
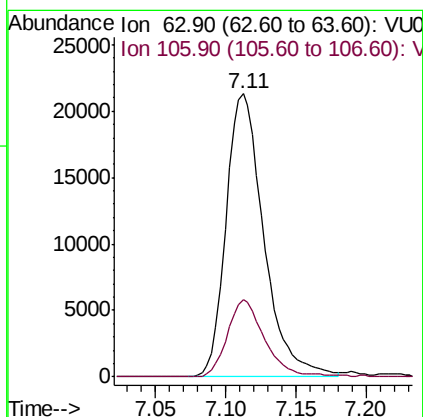
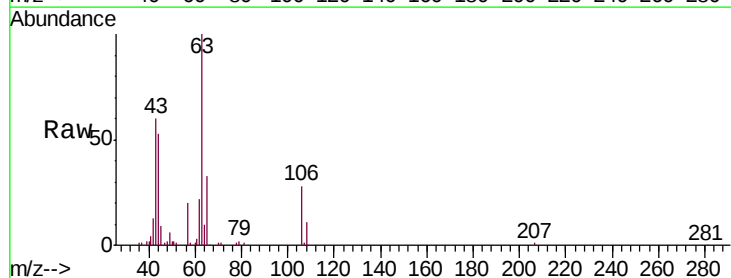
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

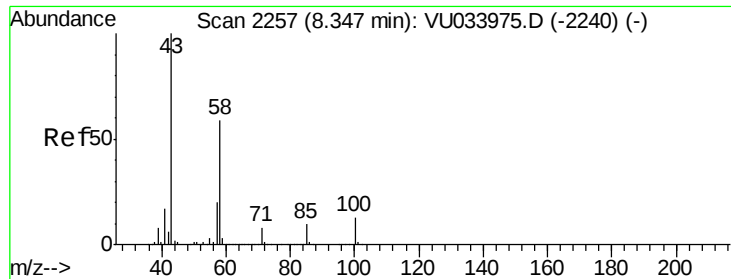
Tgt Ion: 76 Resp: 30210
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.125 ug/l
 RT: 7.11 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion: 63 Resp: 39925
 Ion Ratio Lower Upper
 63 100
 106 26.7 22.4 33.6

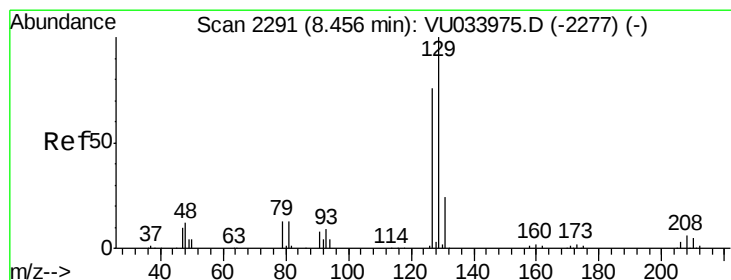
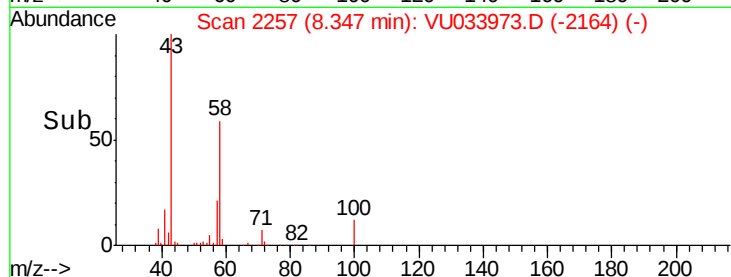
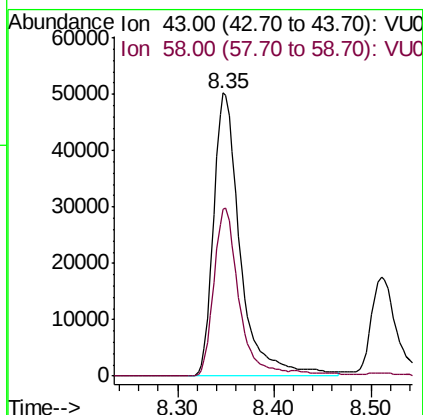
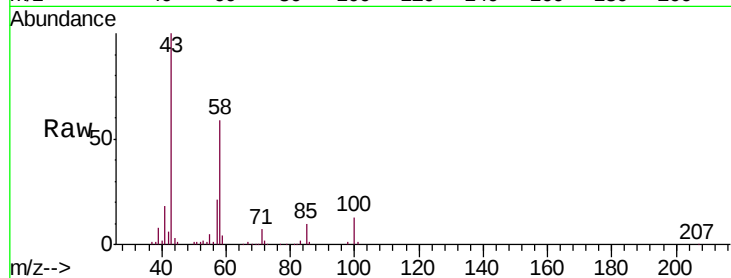




#59
2-Hexanone
Concen: 20.575 ug/l
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

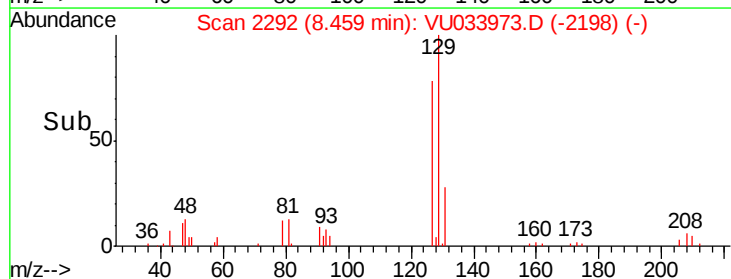
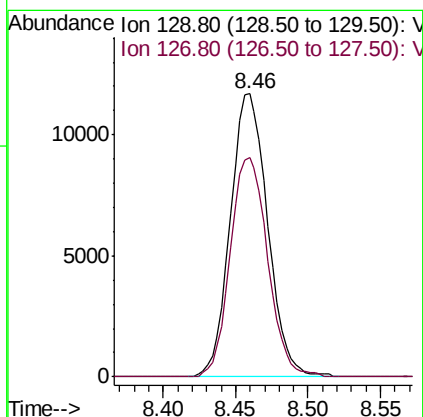
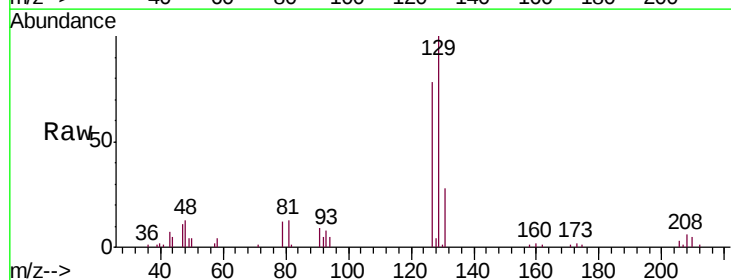
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

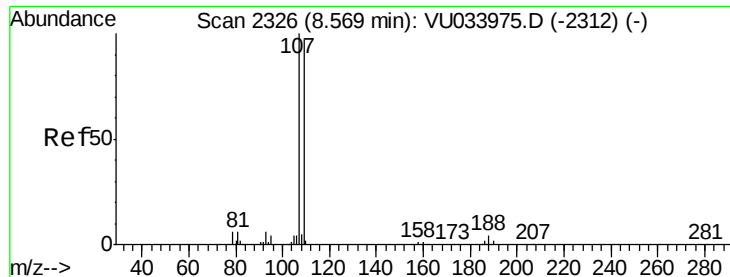
Tgt Ion: 43 Resp: 96947
Ion Ratio Lower Upper
43 100
58 55.2 29.5 88.6



#60
Dibromochloromethane
Concen: 4.842 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion: 129 Resp: 20910
Ion Ratio Lower Upper
129 100
127 77.8 38.8 116.4

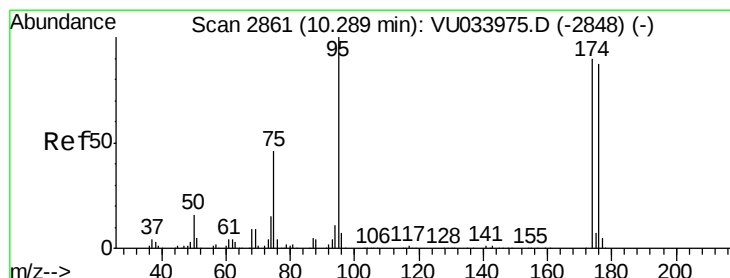
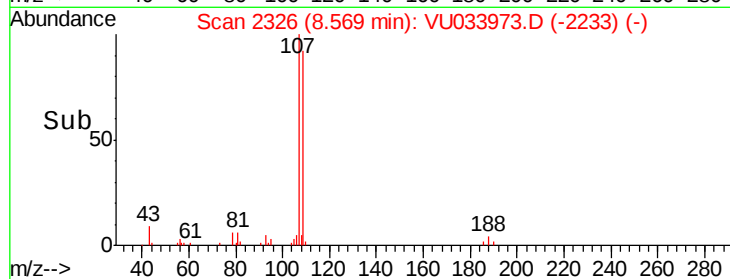
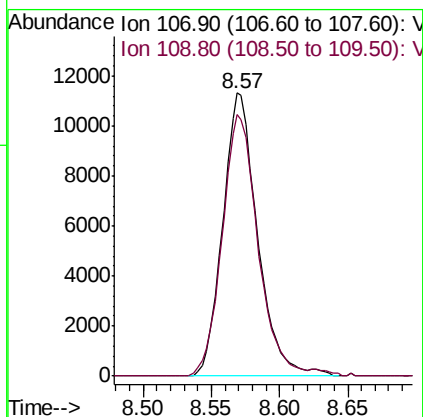
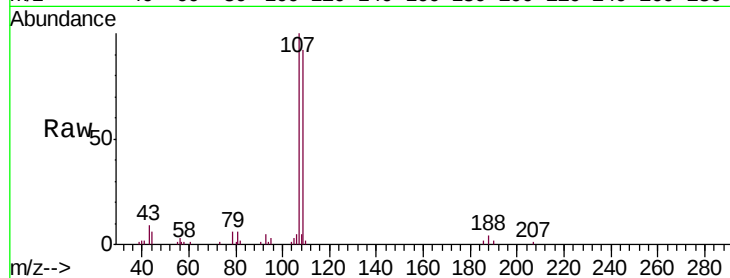




#61
 1,2-Dibromoethane
 Concen: 4.713 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

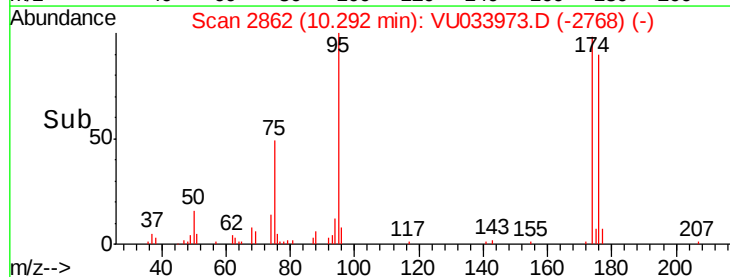
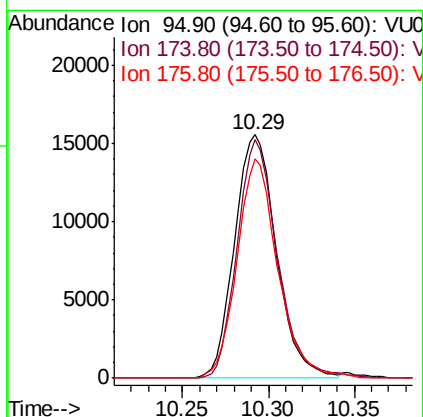
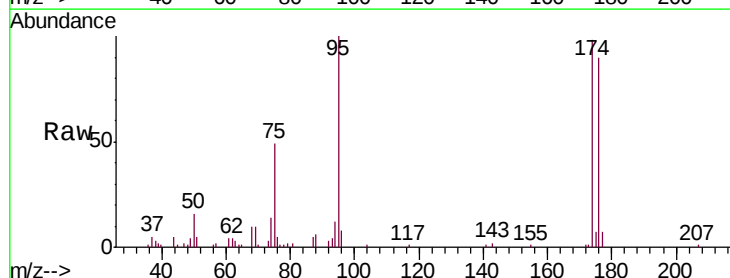
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

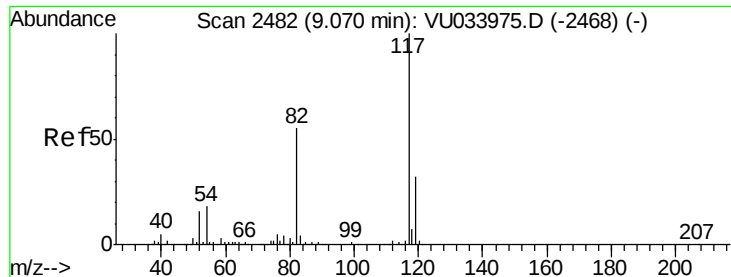
Tgt Ion: 107 Resp: 20040
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 4.969 ug/l
 RT: 10.29 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion: 95 Resp: 26234
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 183.8
 176 87.7 0.0 176.4

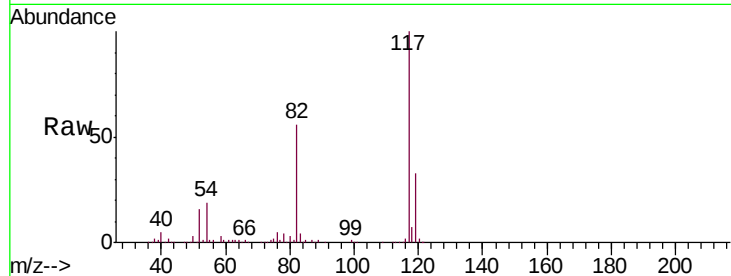




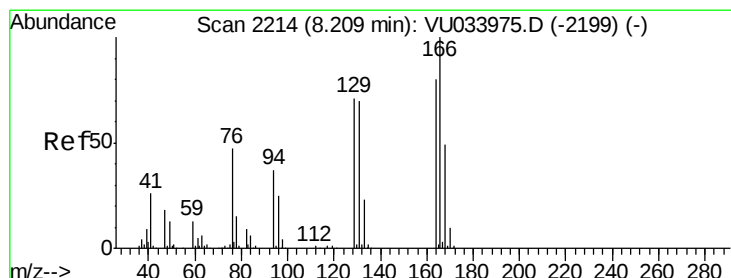
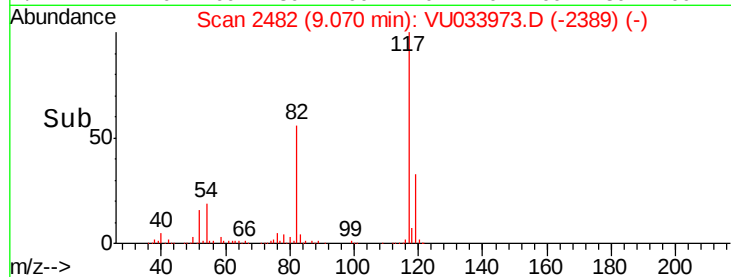
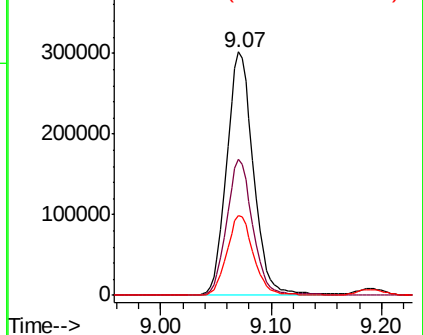
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.8	65.8
119	33.0	25.7	38.5



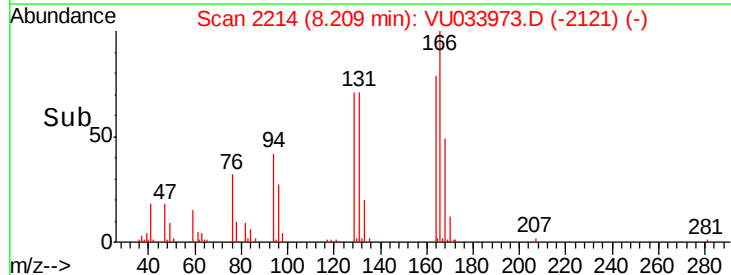
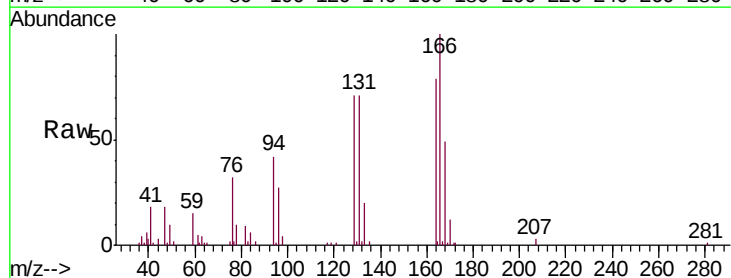
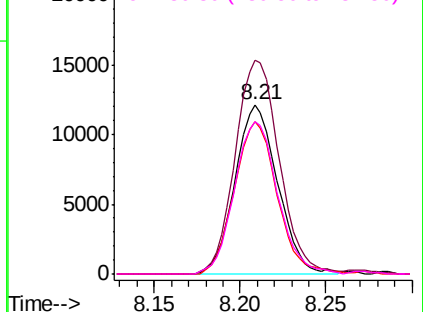
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

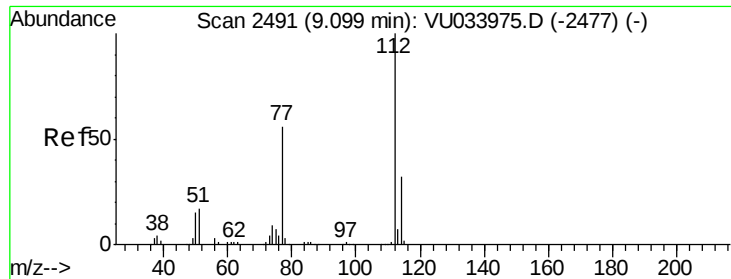


#64
Tetrachloroethene
Concen: 5.570 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	99.5	149.3
129	89.6	70.9	106.3
131	89.7	69.4	104.2

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

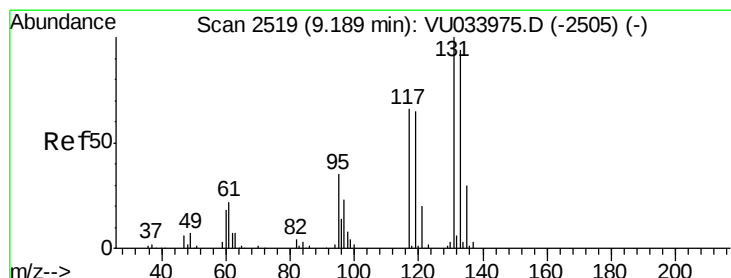
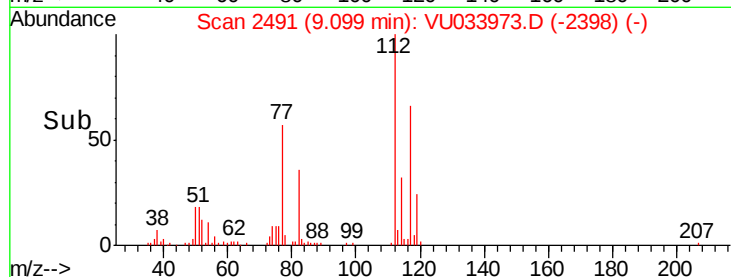
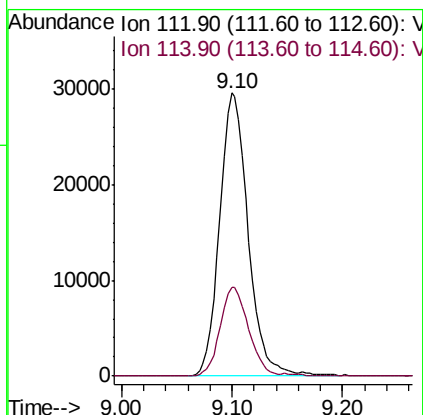
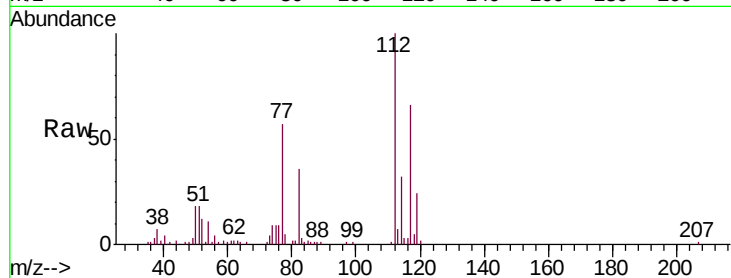




#65
Chlorobenzene
Concen: 5.064 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

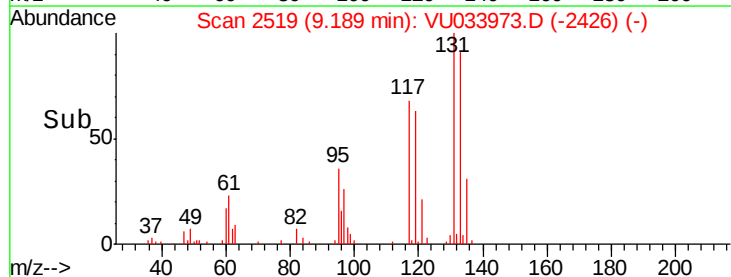
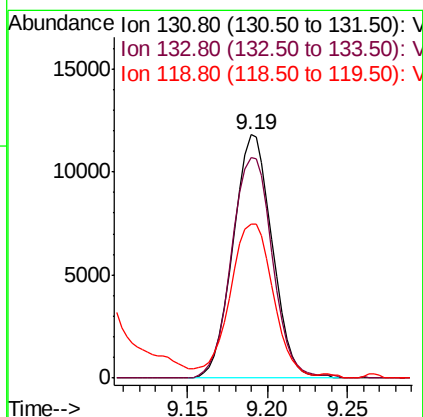
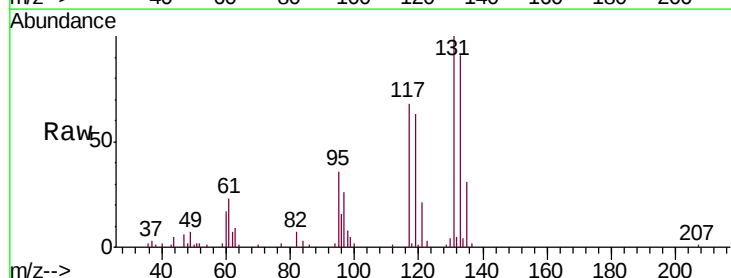
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

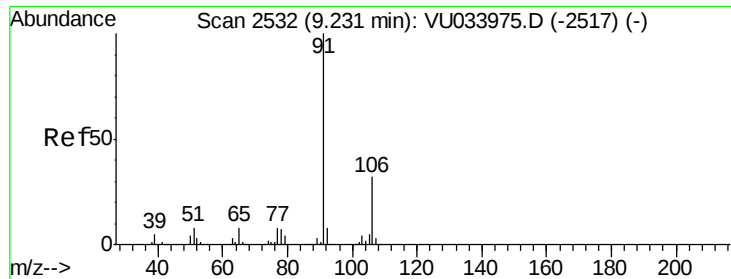
Tgt Ion:112 Resp: 53124
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 5.039 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion:131 Resp: 19622
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 67.8 33.0 98.9

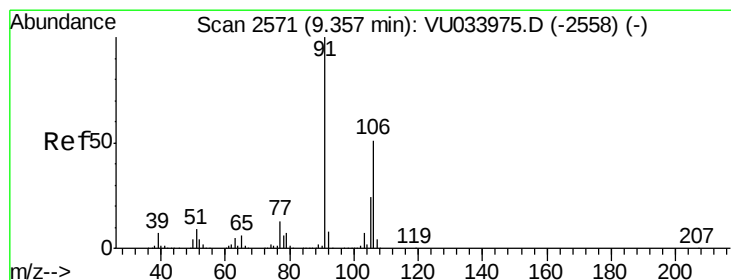
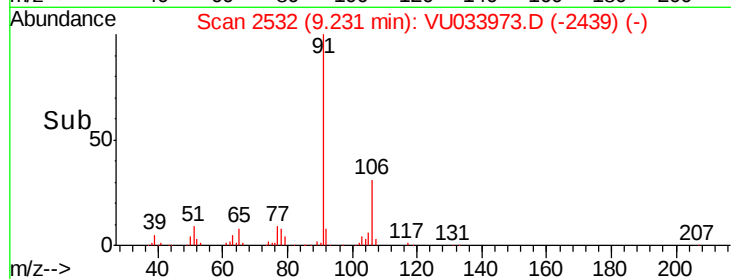
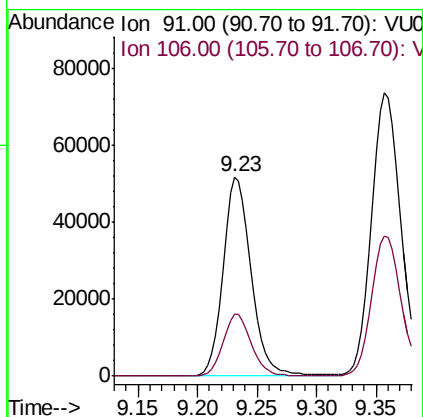
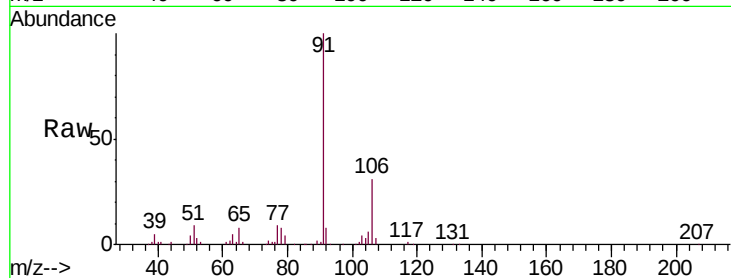




#67
Ethyl Benzene
Concen: 4.948 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

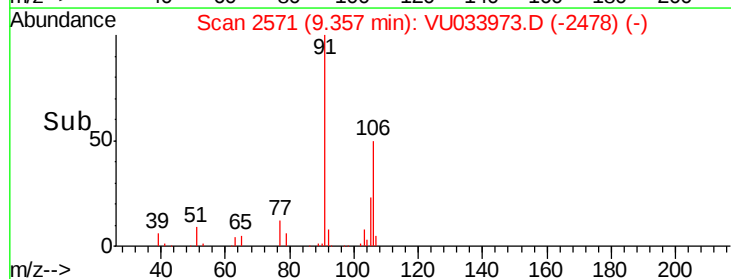
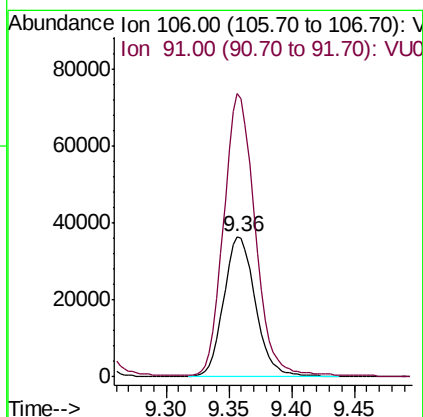
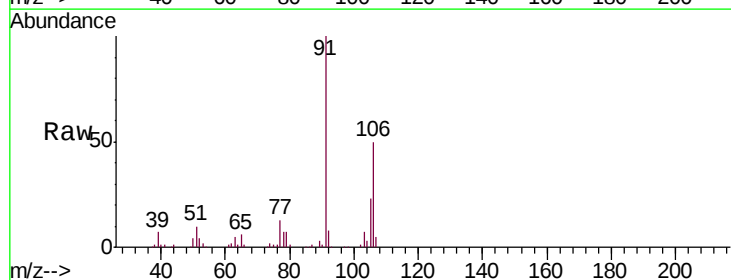
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

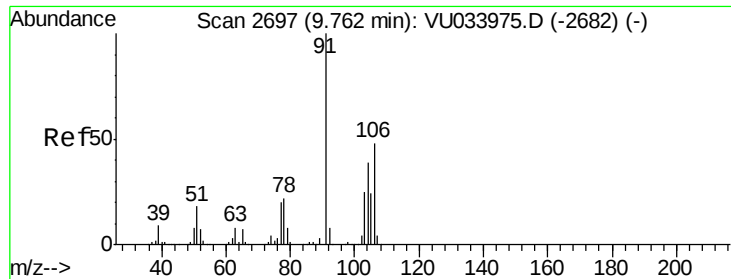
Tgt Ion: 91 Resp: 84761
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0



#68
m/p-Xylenes
Concen: 10.037 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion: 106 Resp: 63647
Ion Ratio Lower Upper
106 100
91 199.7 158.4 237.6

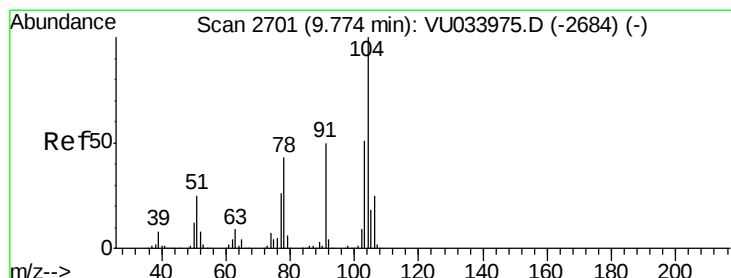
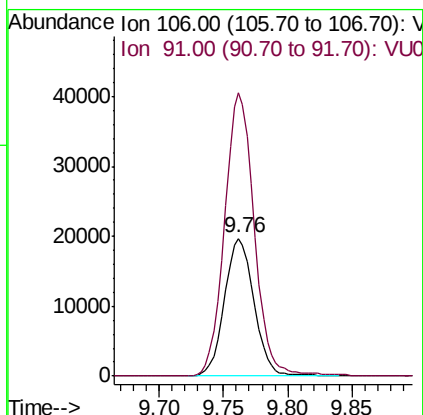
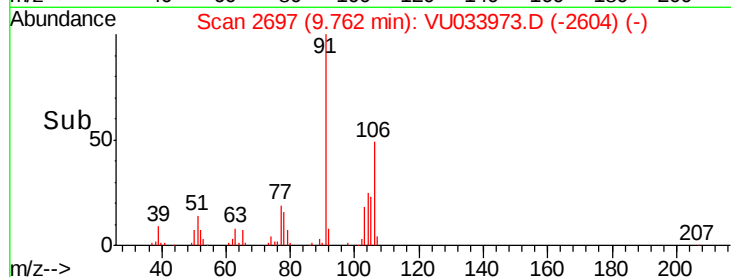
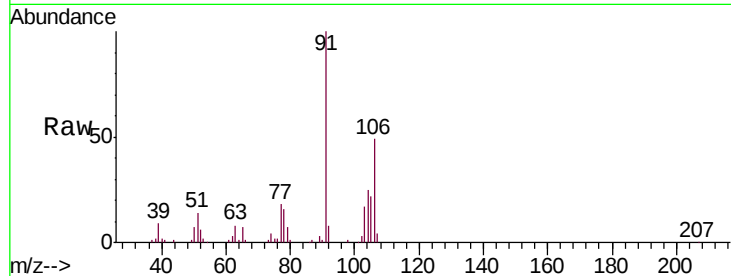




#69
o-Xylene
Concen: 5.187 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

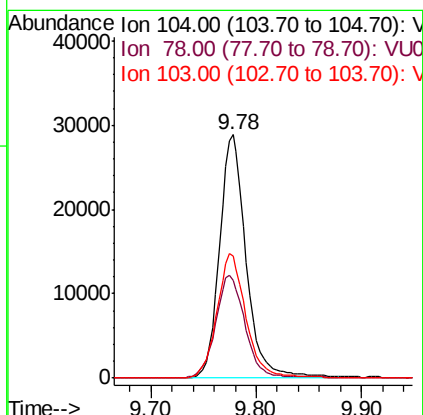
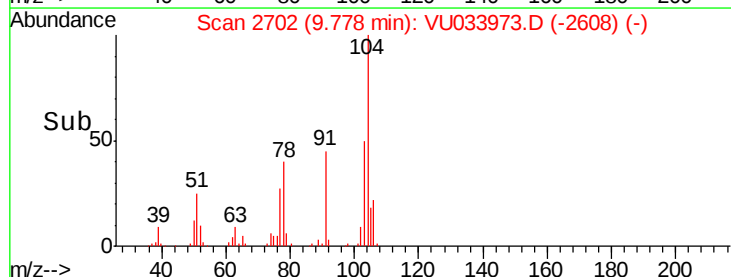
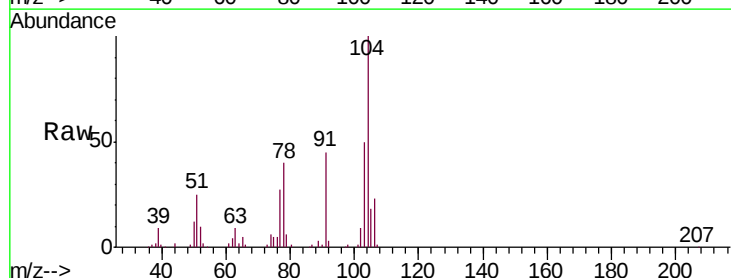
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

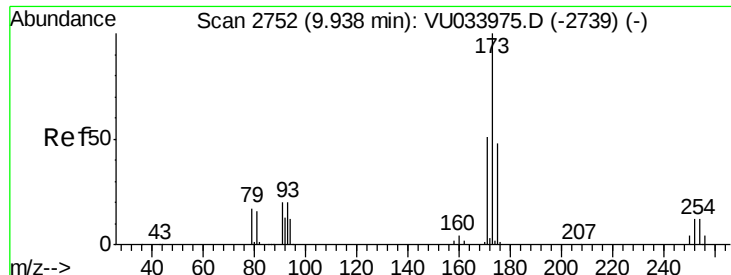
Tgt Ion:106 Resp: 31463
Ion Ratio Lower Upper
106 100
91 205.5 104.5 313.3



#70
Styrene
Concen: 4.810 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion:104 Resp: 50392
Ion Ratio Lower Upper
104 100
78 46.9 37.5 56.3
103 55.6 43.9 65.9





#71

Bromoform

Concen: 5.091 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

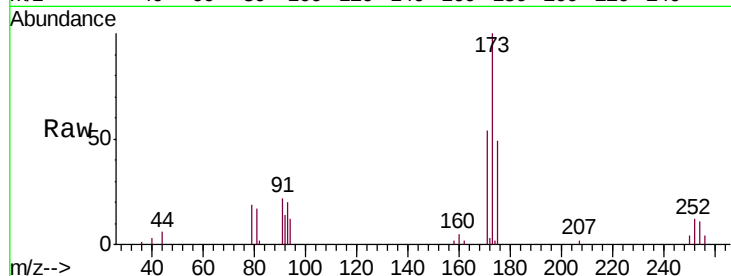
Tgt Ion:173 Resp: 16760

Ion Ratio Lower Upper

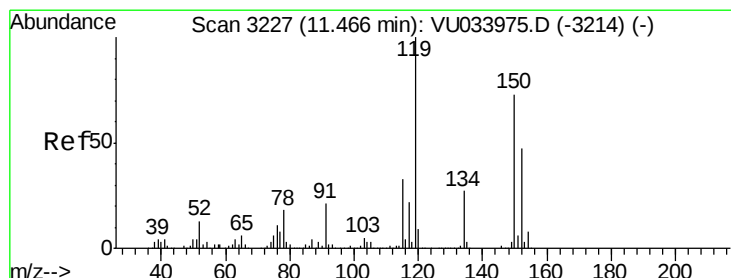
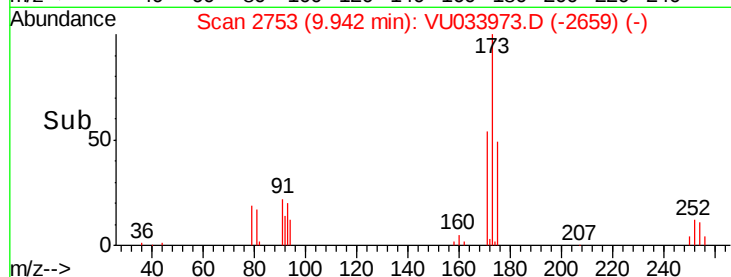
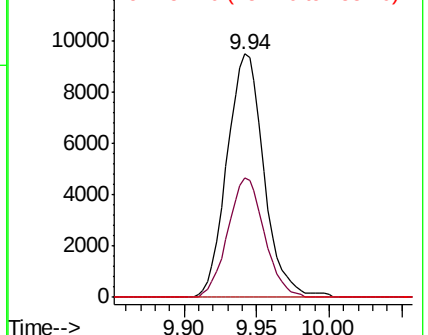
173 100

175 48.4 24.3 72.9

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

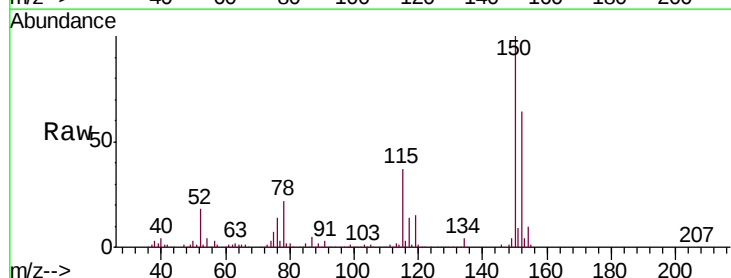
Tgt Ion:152 Resp: 255618

Ion Ratio Lower Upper

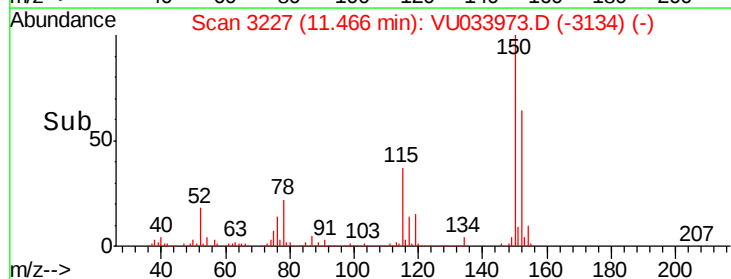
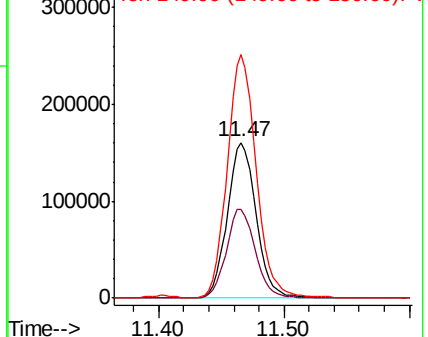
152 100

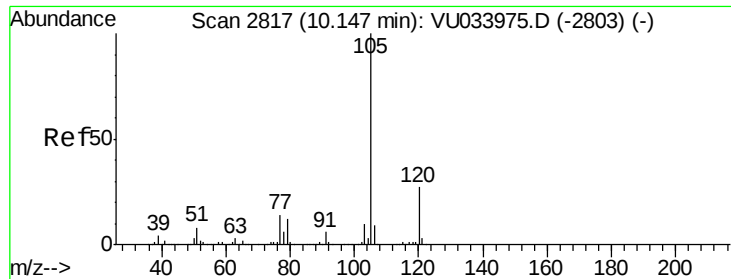
115 57.8 38.6 115.7

150 156.8 0.0 343.8



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





#73

Isopropylbenzene

Concen: 5.246 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

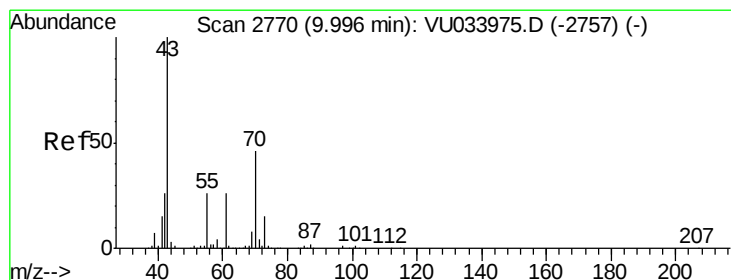
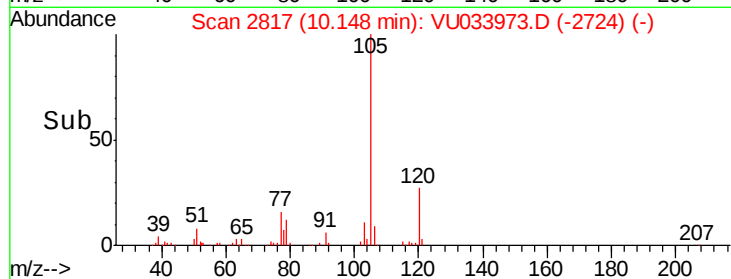
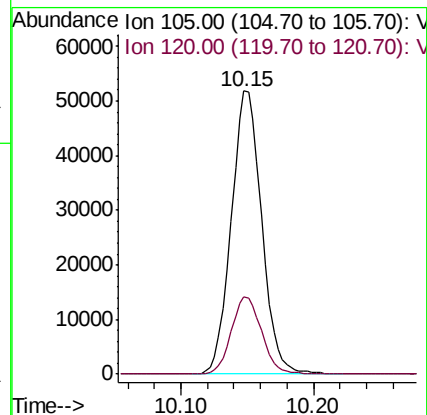
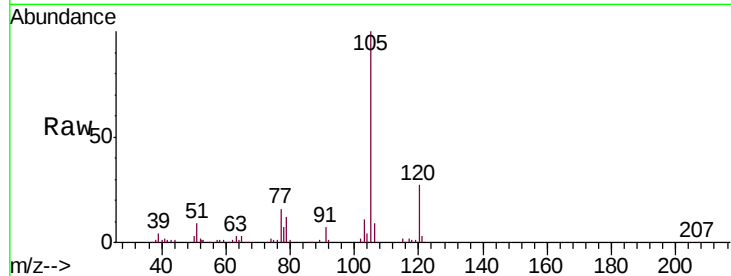
VSTDIC005

Tgt Ion: 105 Resp: 82678

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.5



#74

N-ethyl acetate

Concen: 4.466 ug/l

RT: 10.00 min Scan# 2771

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Tgt Ion: 43 Resp: 29559

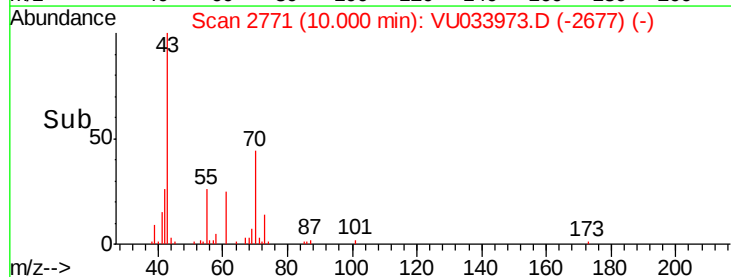
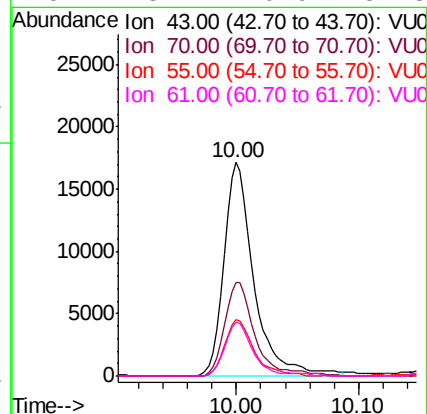
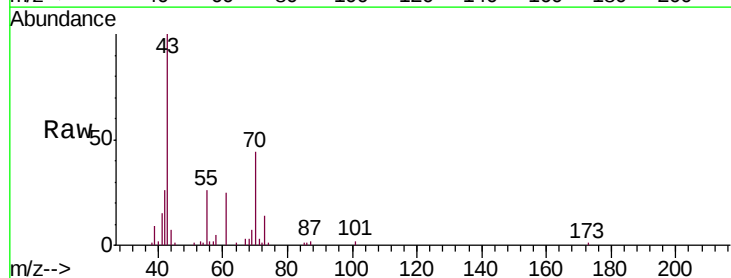
Ion Ratio Lower Upper

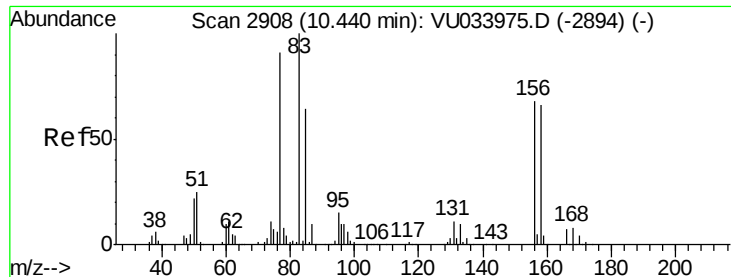
43 100

70 44.4 37.4 56.0

55 25.6 21.0 31.4

61 23.1 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 4.869 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

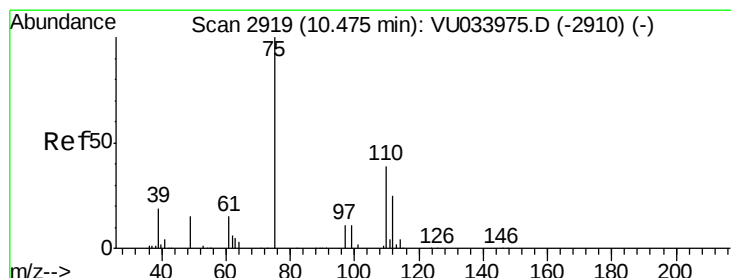
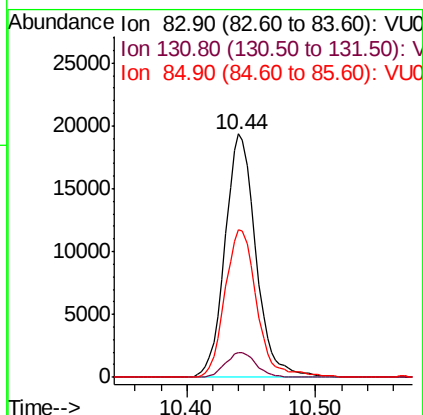
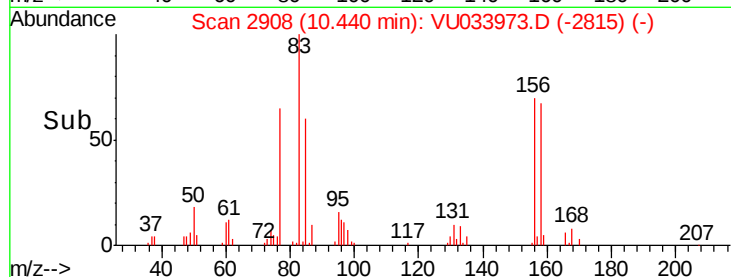
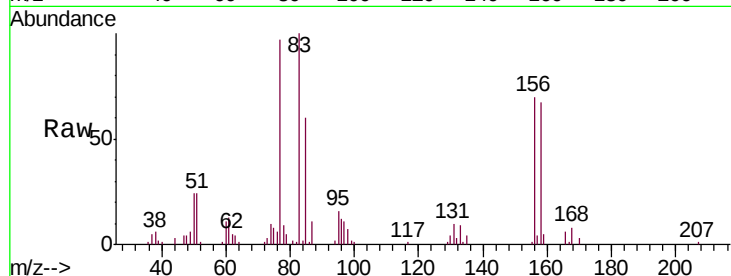
Tgt Ion: 83 Resp: 32130

Ion Ratio Lower Upper

83 100

131 10.0 5.3 16.1

85 62.6 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 6.089 ug/l

RT: 10.48 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VU033973.D

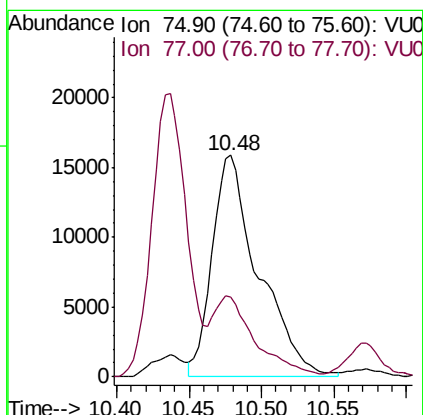
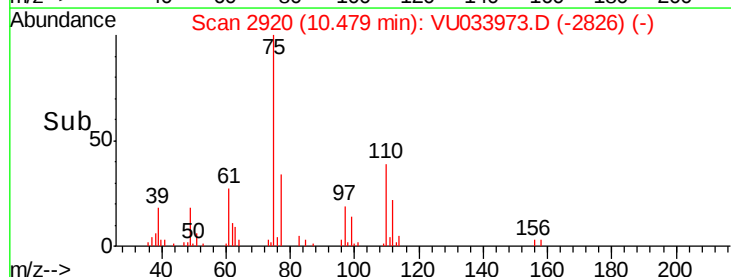
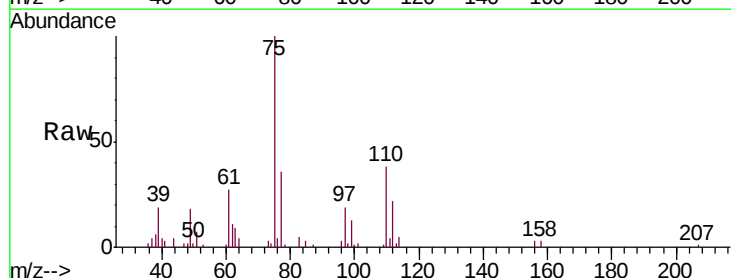
Acq: 27 Aug 2019 15:07

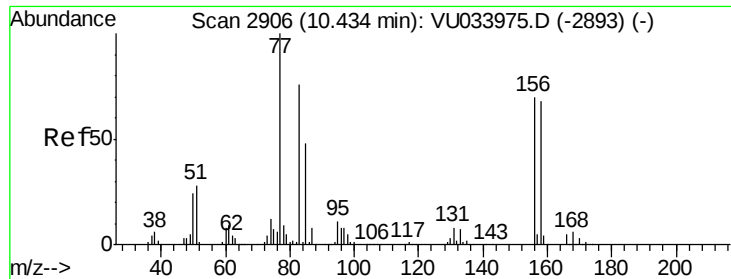
Tgt Ion: 75 Resp: 35372

Ion Ratio Lower Upper

75 100

77 32.9 21.0 63.0





#77

Bromobenzene

Concen: 5.666 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

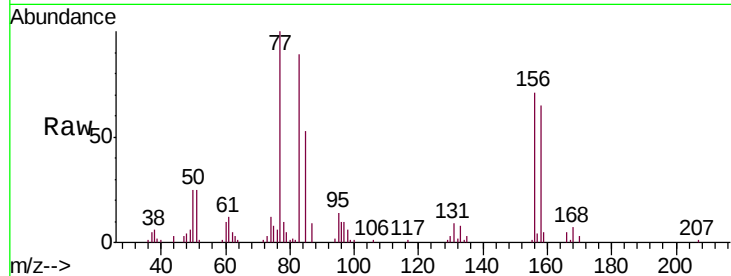
Tgt Ion:156 Resp: 24099

Ion Ratio Lower Upper

156 100

77 142.1 70.3 211.1

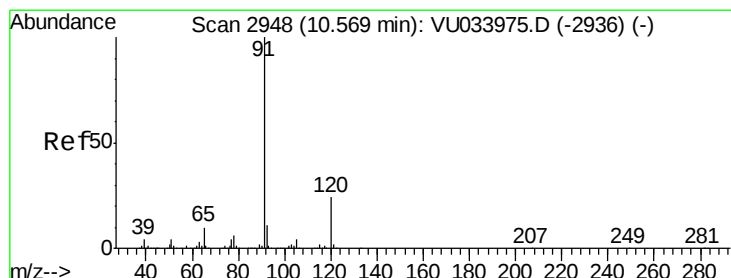
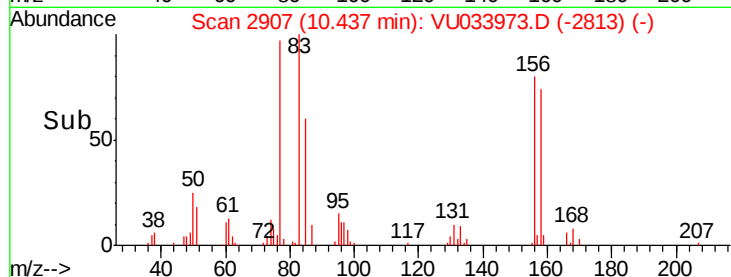
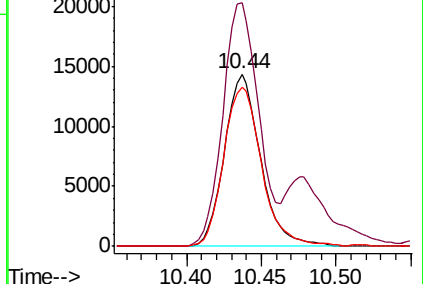
158 97.4 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.895 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU033973.D

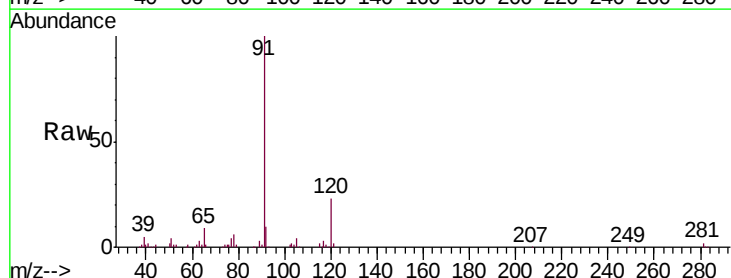
Acq: 27 Aug 2019 15:07

Tgt Ion: 91 Resp: 91251

Ion Ratio Lower Upper

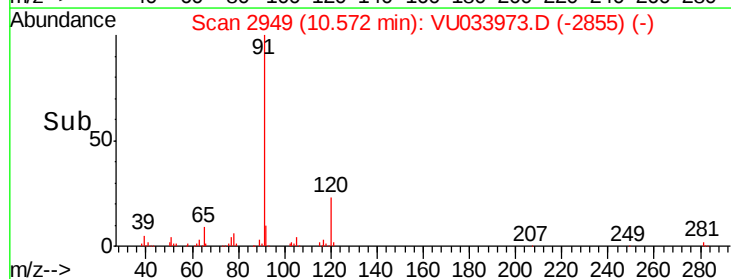
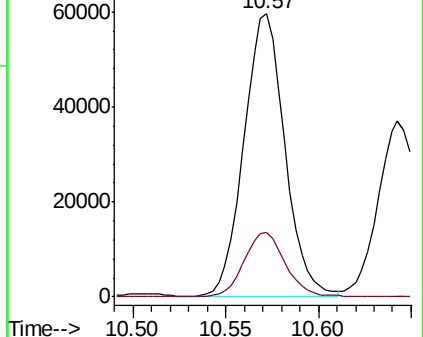
91 100

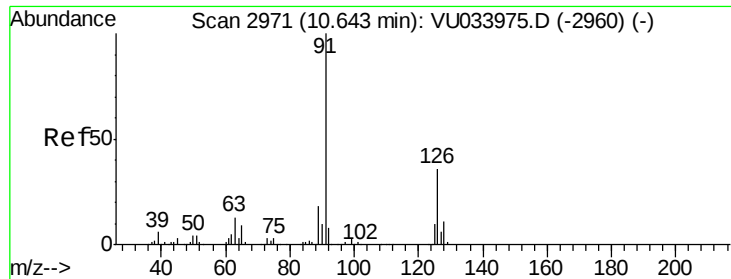
120 23.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.220 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

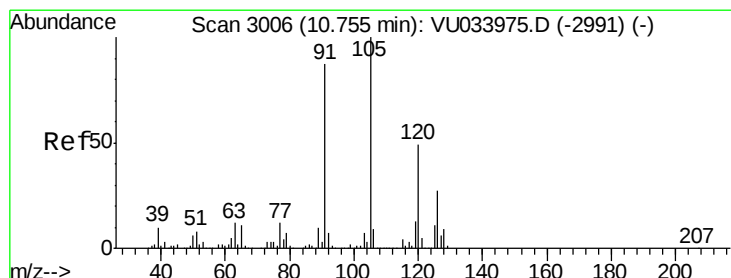
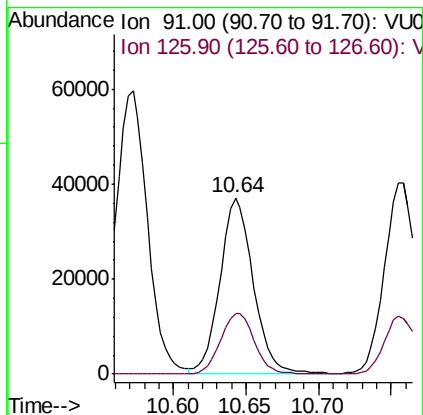
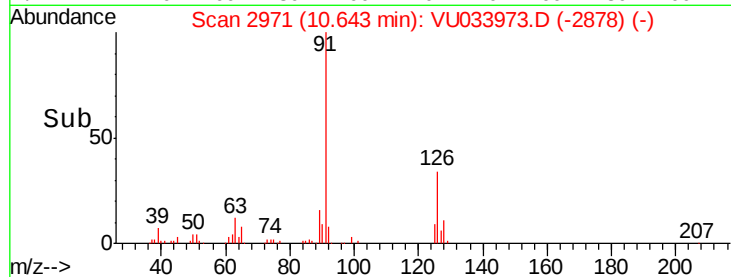
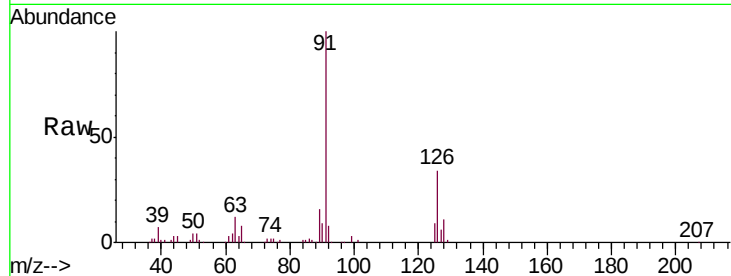
VSTDIC005

Tgt Ion: 91 Resp: 58383

Ion Ratio Lower Upper

91 100

126 35.5 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 5.078 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033973.D

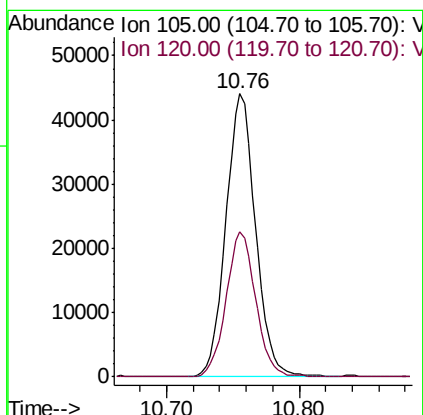
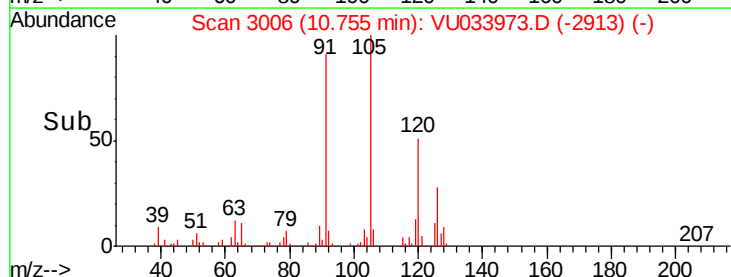
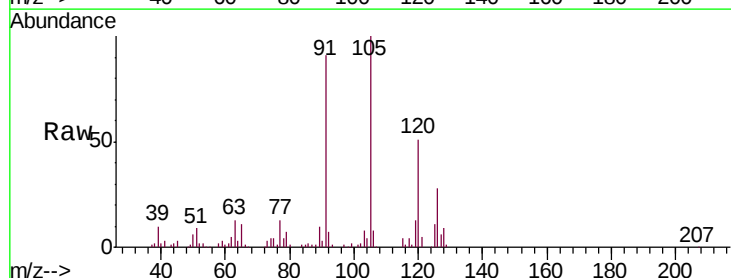
Acq: 27 Aug 2019 15:07

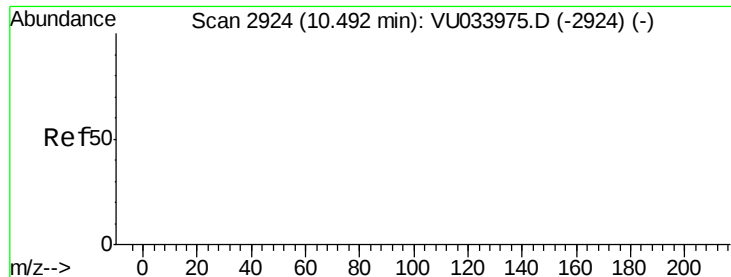
Tgt Ion: 105 Resp: 68472

Ion Ratio Lower Upper

105 100

120 50.8 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.662 ug/l

RT: 10.48 min Scan# 2920

Delta R.T. -0.01 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

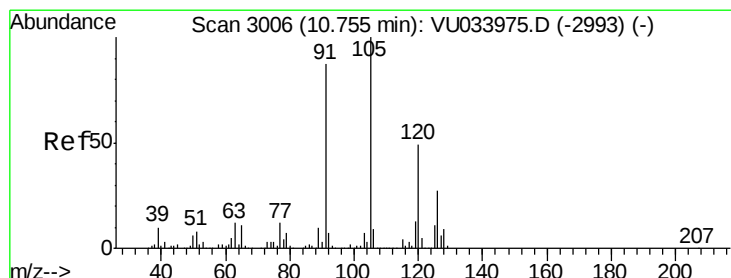
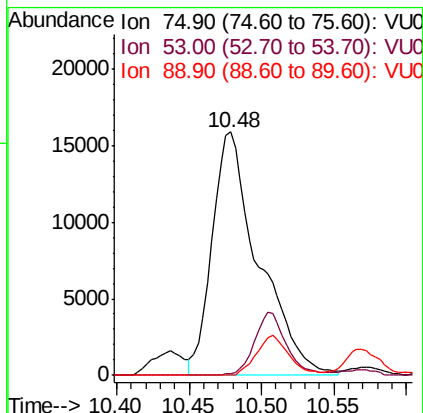
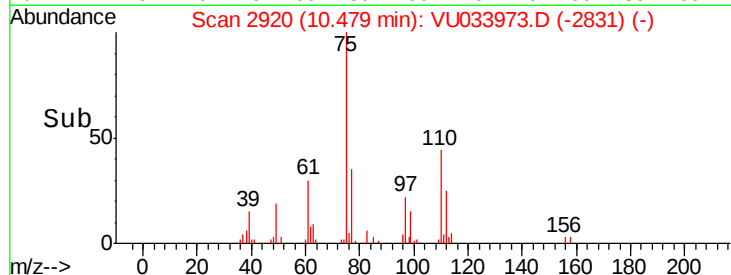
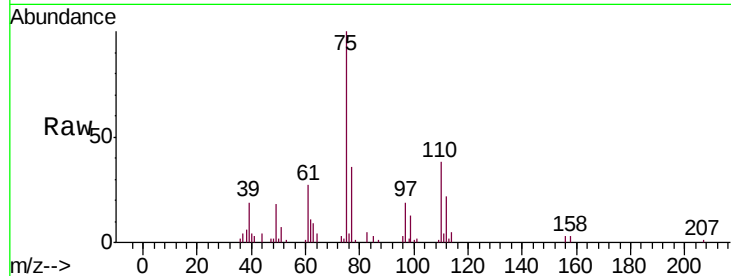
Tgt Ion: 75 Resp: 35372

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 4.986 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033973.D

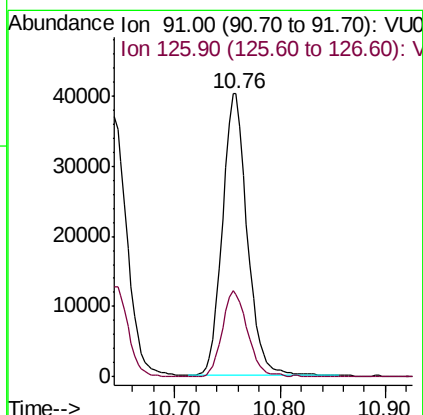
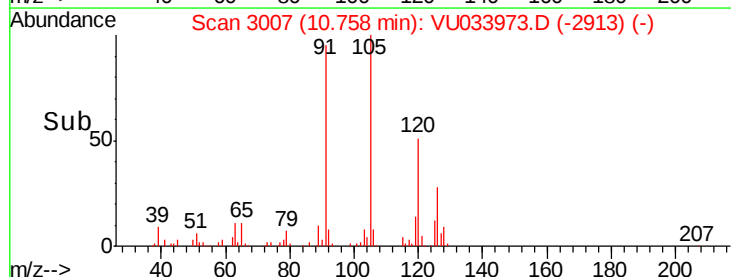
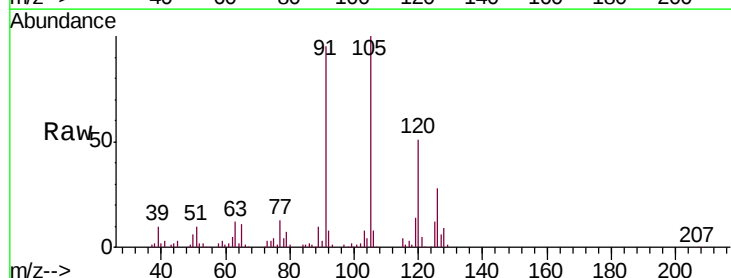
Acq: 27 Aug 2019 15:07

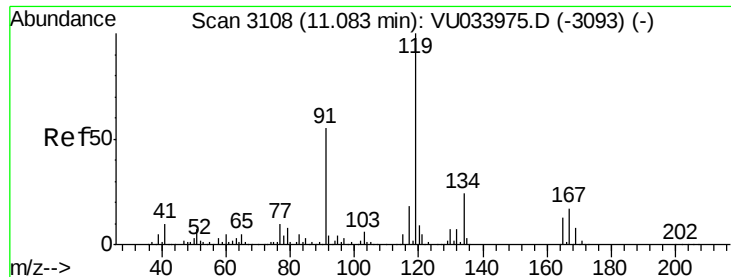
Tgt Ion: 91 Resp: 65441

Ion Ratio Lower Upper

91 100

126 31.1 15.4 46.4





#83

tert-Butylbenzene

Concen: 5.334 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

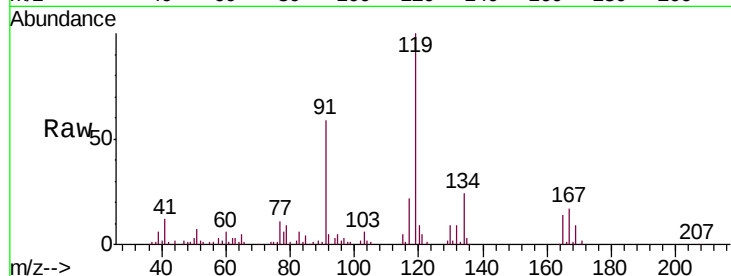
Tgt Ion:119 Resp: 67352

Ion Ratio Lower Upper

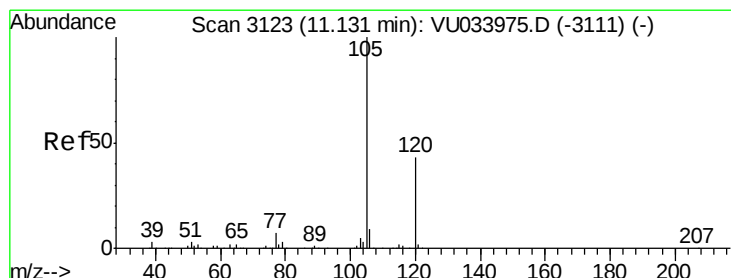
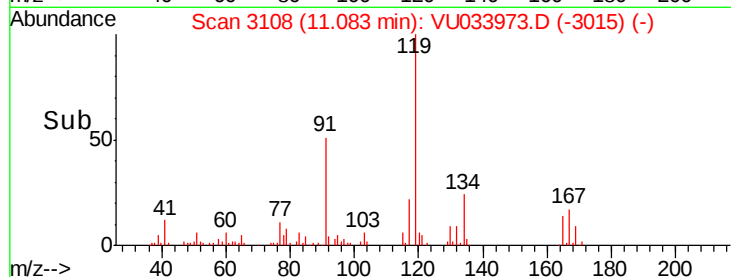
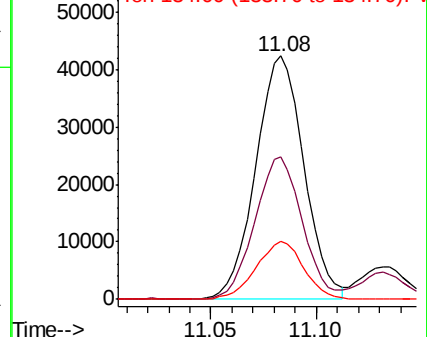
119 100

91 58.0 27.6 82.8

134 23.5 11.6 34.7



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



#84

1,2,4-Trimethylbenzene

Concen: 5.086 ug/l

RT: 11.13 min Scan# 3123

Delta R.T. 0.00 min

Lab File: VU033973.D

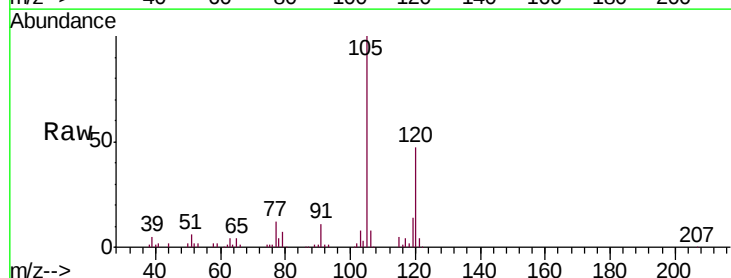
Acq: 27 Aug 2019 15:07

Tgt Ion:105 Resp: 66634

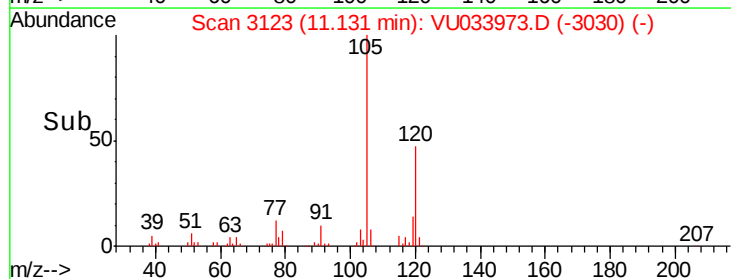
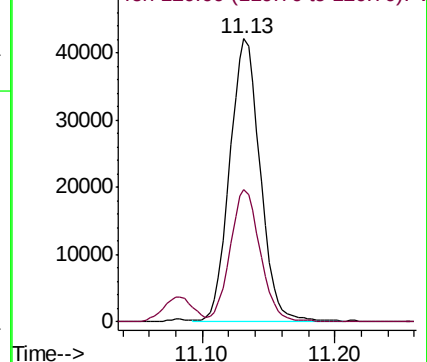
Ion Ratio Lower Upper

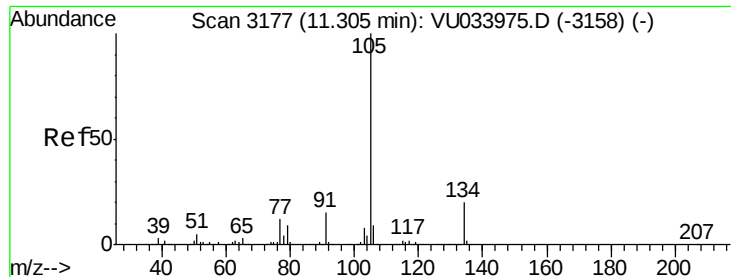
105 100

120 46.8 23.3 69.9



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

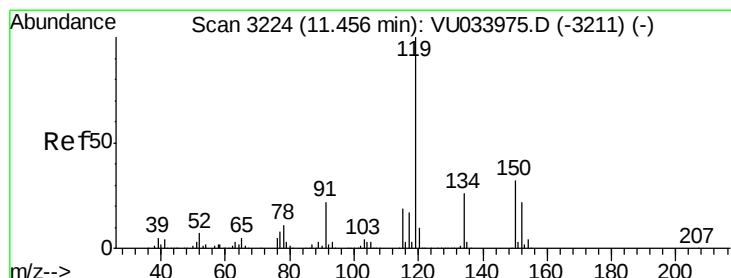
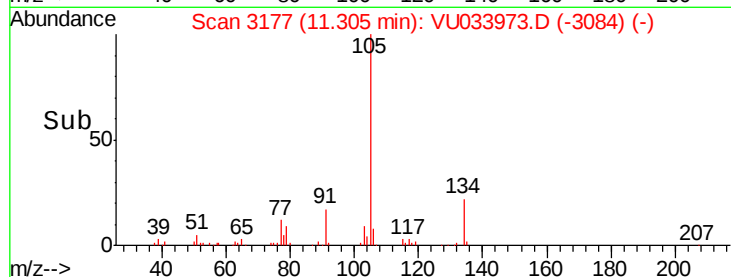
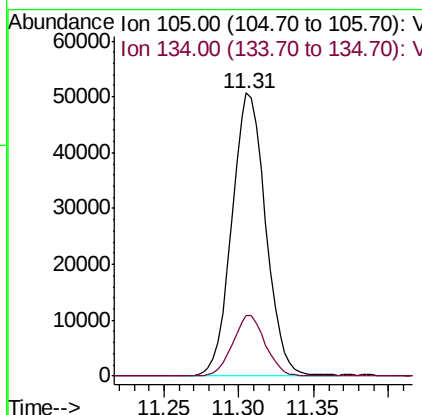
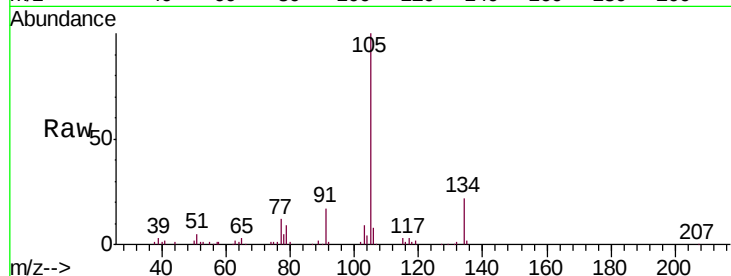




#85
 sec-Butylbenzene
 Concen: 5.072 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

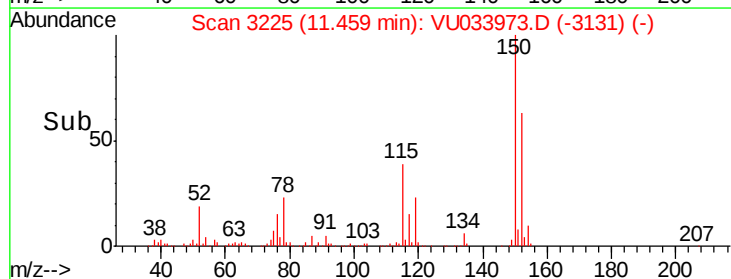
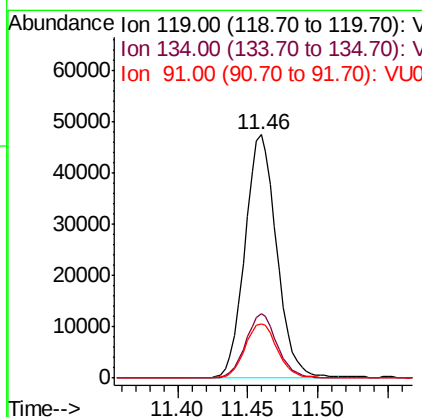
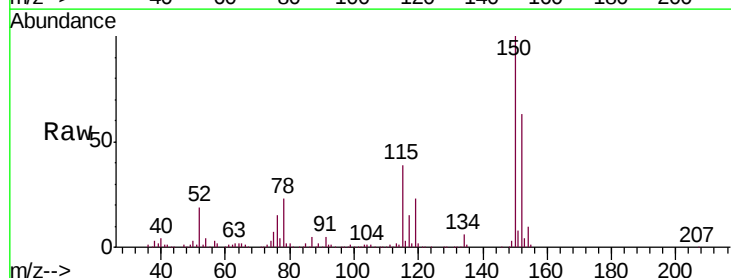
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

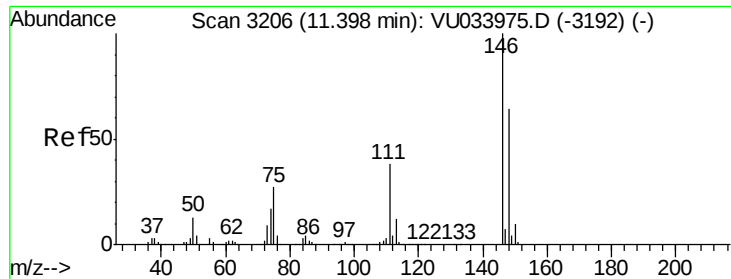
Tgt Ion:105 Resp: 80001
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 5.205 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion:119 Resp: 74823
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.0 38.9
 91 22.9 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 5.156 ug/l

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

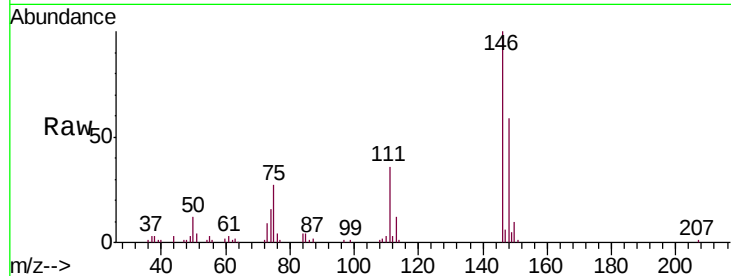
Instrument :

MSVOA_U

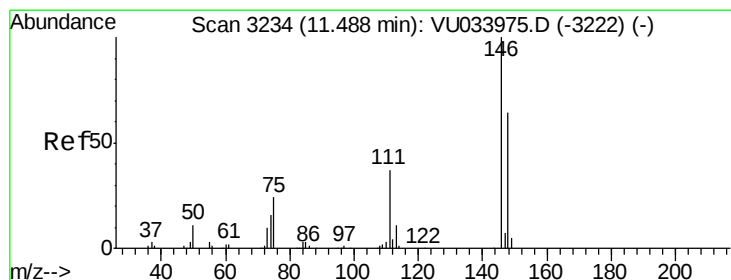
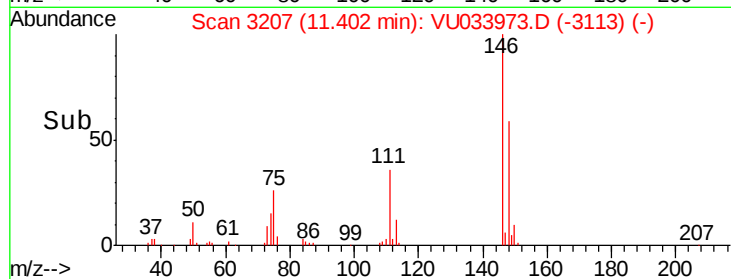
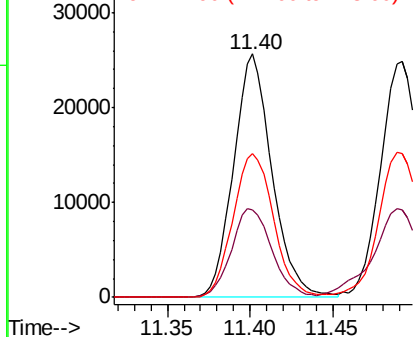
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	41333
Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	62.2	31.9	95.7



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



#88

1,4-Dichlorobenzene

Concen: 4.895 ug/l

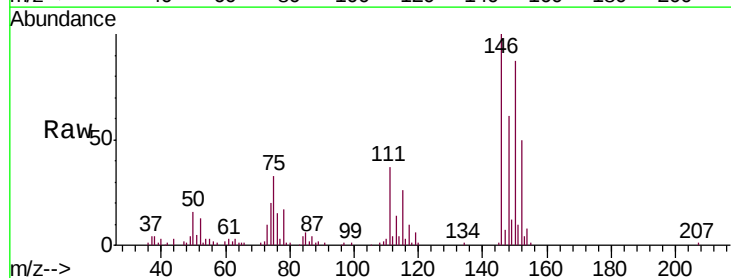
RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

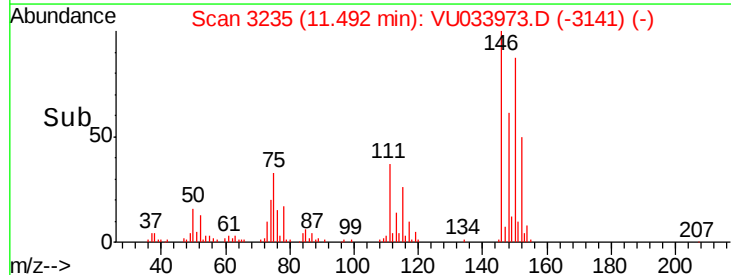
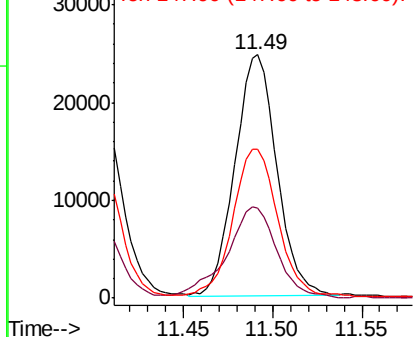
Lab File: VU033973.D

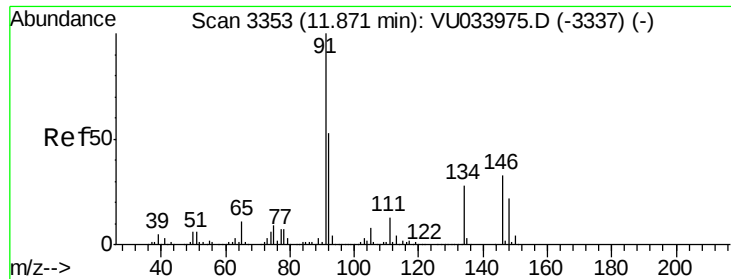
Acq: 27 Aug 2019 15:07

Tgt Ion:	146	Resp:	40528
Ion	Ratio	Lower	Upper
146	100		
111	45.7	18.8	56.4
148	66.4	31.9	95.7



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





#89

n-Butylbenzene

Concen: 4.509 ug/l

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU033973.D

Acq: 27 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

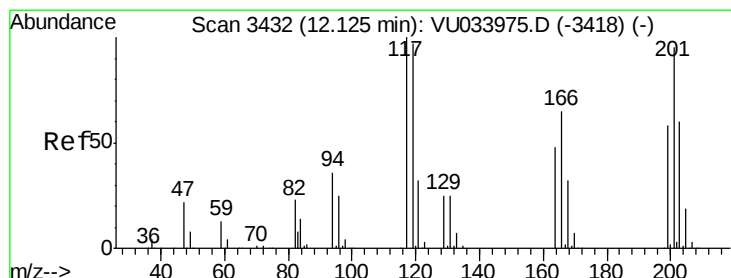
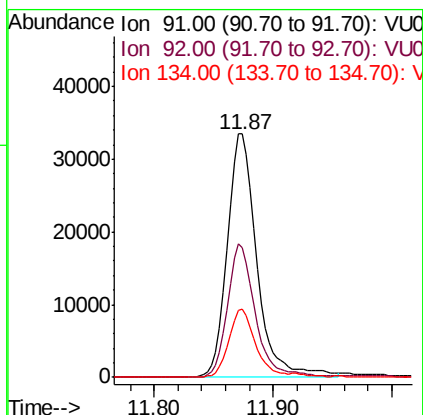
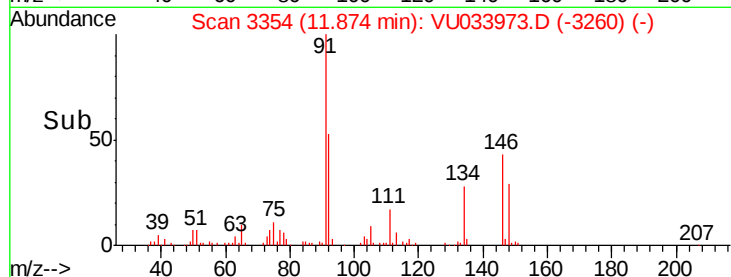
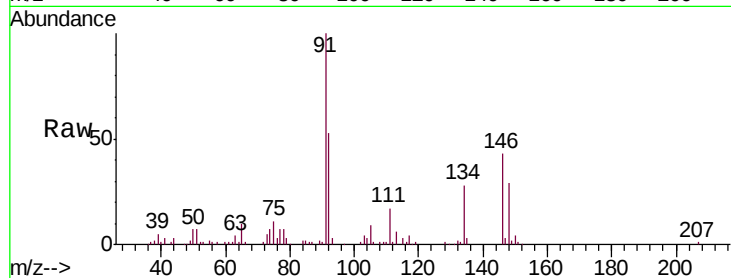
Tgt Ion: 91 Resp: 57828

Ion Ratio Lower Upper

91 100

92 51.3 26.7 80.0

134 25.2 13.6 40.8



#90

Hexachloroethane

Concen: 4.251 ug/l

RT: 12.13 min Scan# 3433

Delta R.T. 0.00 min

Lab File: VU033973.D

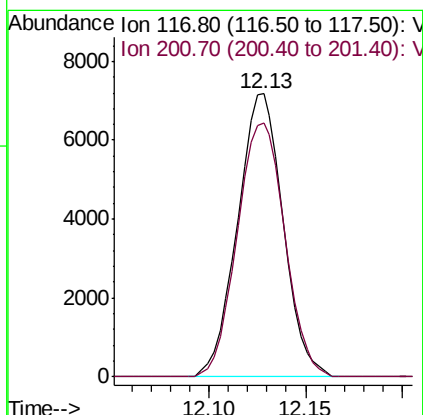
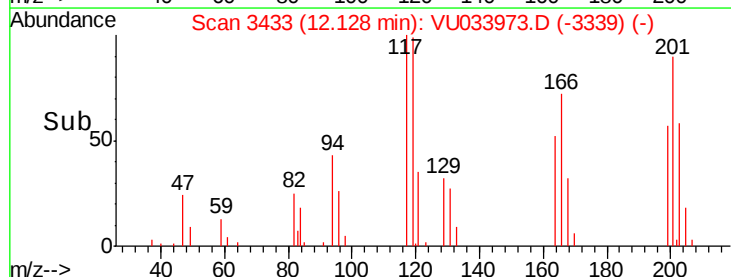
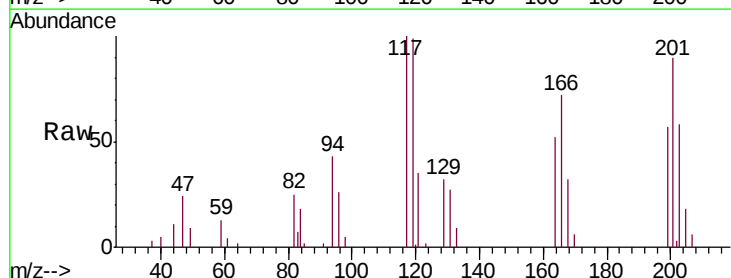
Acq: 27 Aug 2019 15:07

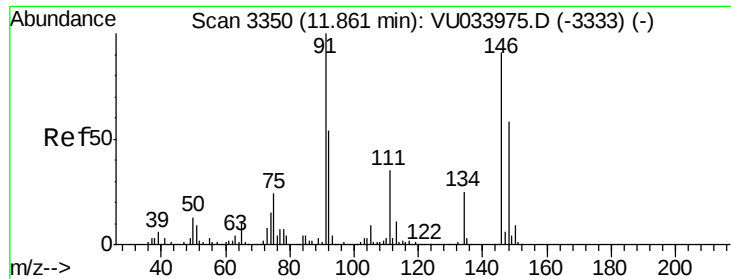
Tgt Ion: 117 Resp: 11757

Ion Ratio Lower Upper

117 100

201 93.5 47.5 142.5

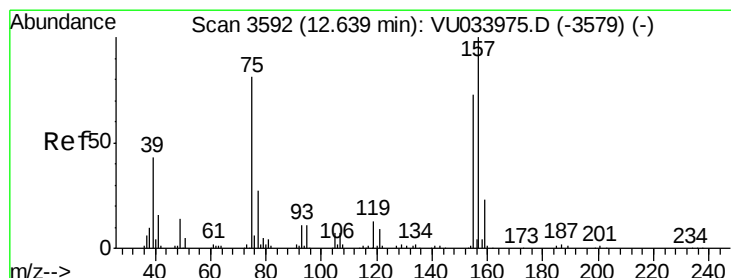
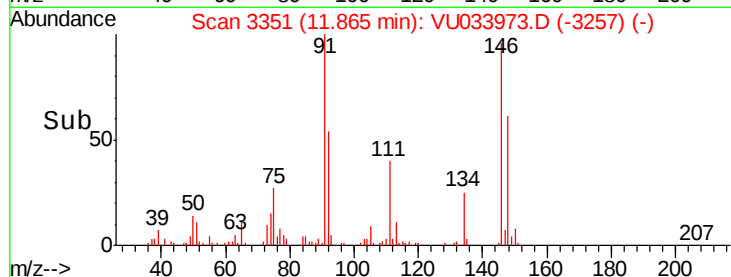
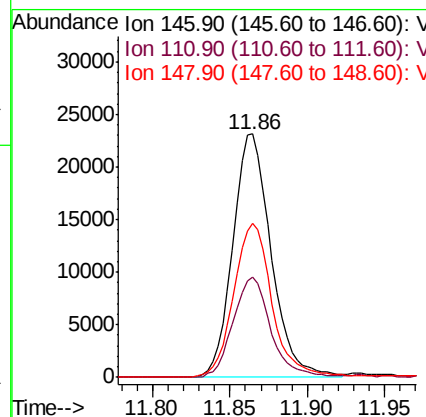
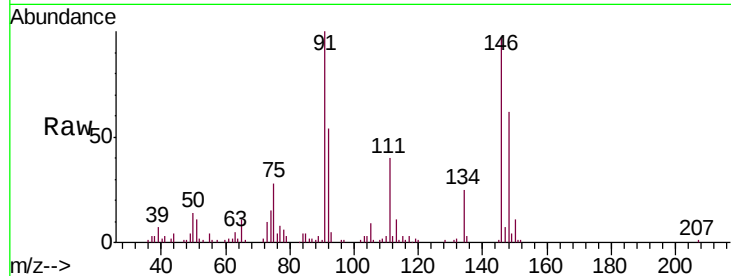




#91
 1,2-Dichlorobenzene
 Concen: 5.164 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

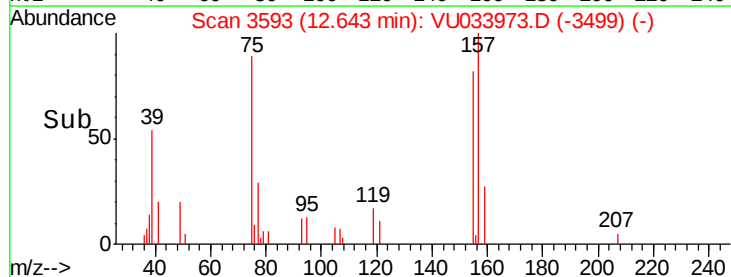
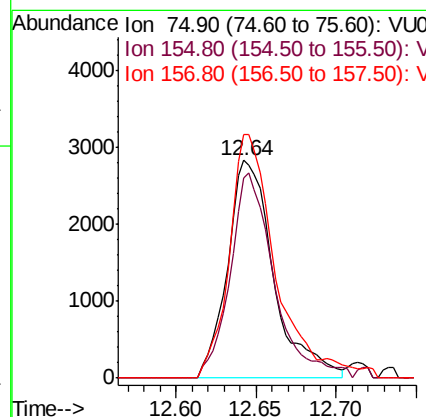
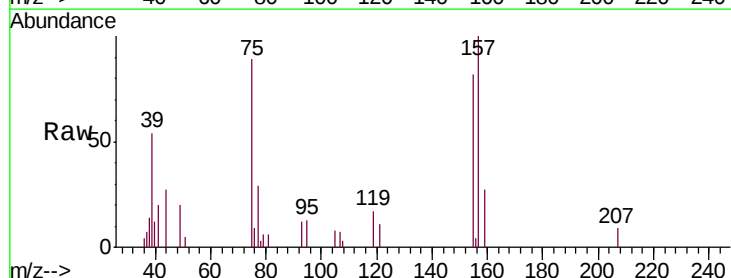
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

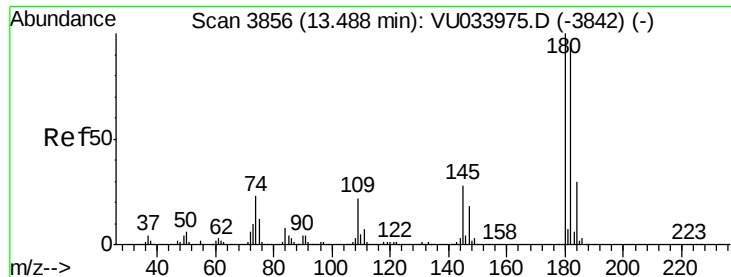
Tgt Ion:146 Resp: 39719
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.8 59.3
 148 63.7 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.125 ug/l
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion: 75 Resp: 5597
 Ion Ratio Lower Upper
 75 100
 155 89.4 46.9 140.6
 157 107.7 61.2 183.6

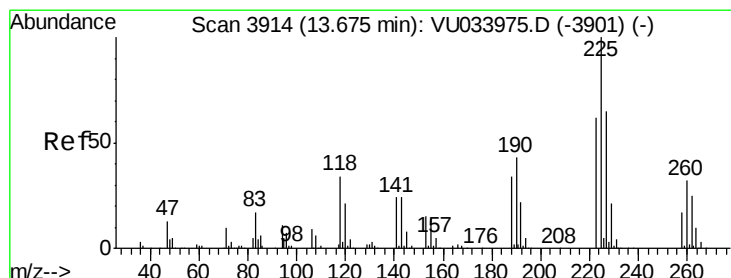
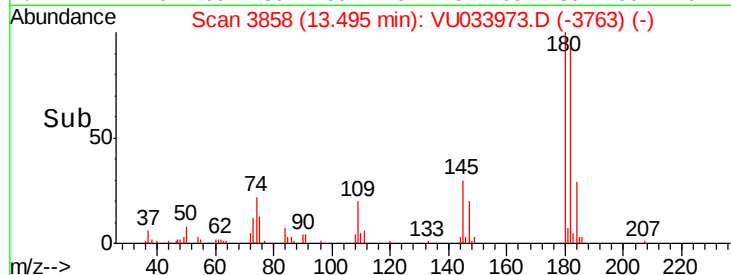
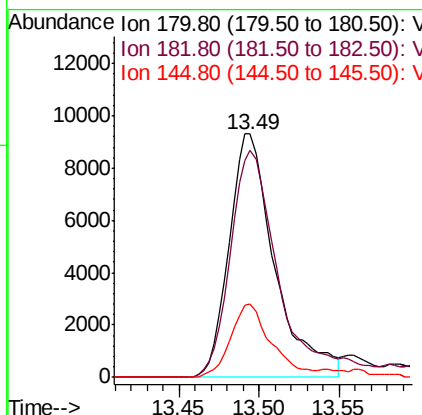
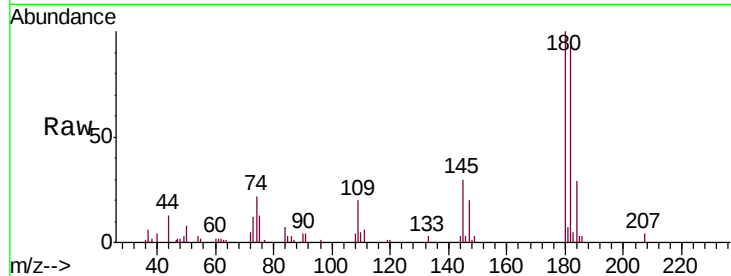




#93
 1,2,4-Trichlorobenzene
 Concen: 3.923 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

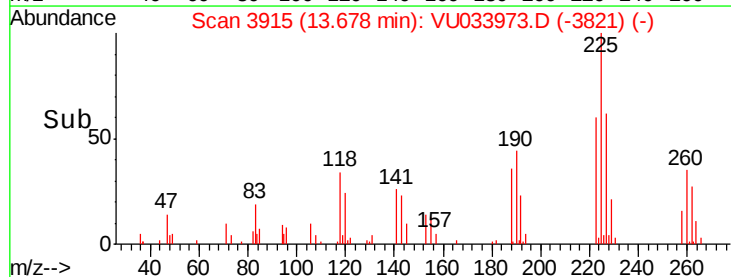
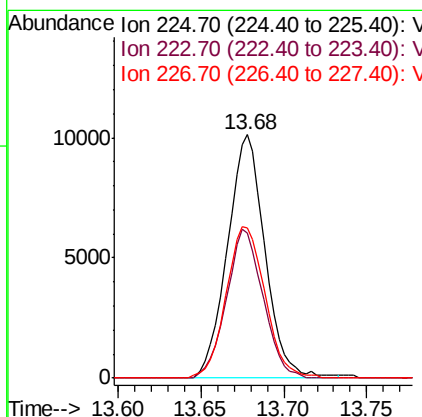
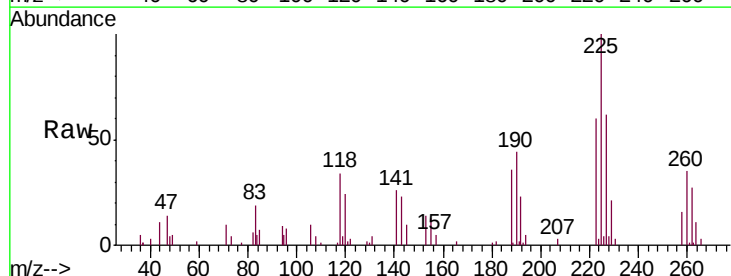
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

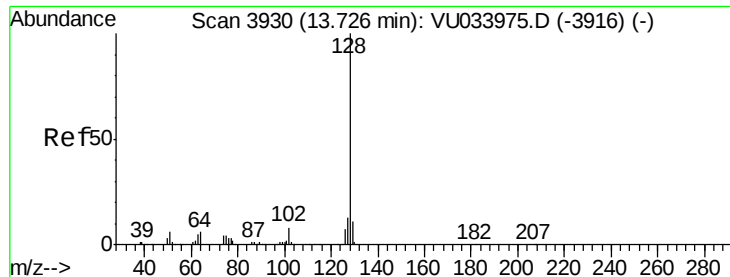
Tgt Ion:180 Resp: 18217
 Ion Ratio Lower Upper
 180 100
 182 99.5 47.4 142.2
 145 26.8 14.4 43.2



#94
 Hexachlorobutadiene
 Concen: 5.437 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU033973.D
 Acq: 27 Aug 2019 15:07

Tgt Ion:225 Resp: 15900
 Ion Ratio Lower Upper
 225 100
 223 59.7 31.7 95.1
 227 64.7 33.0 99.0

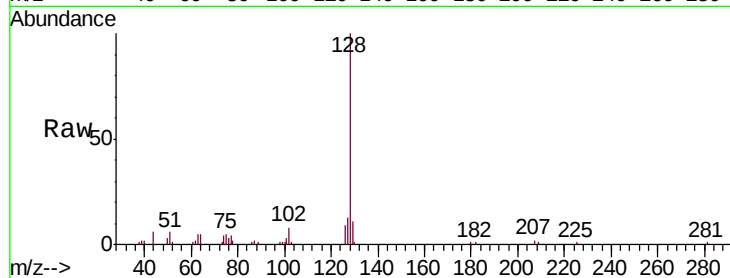




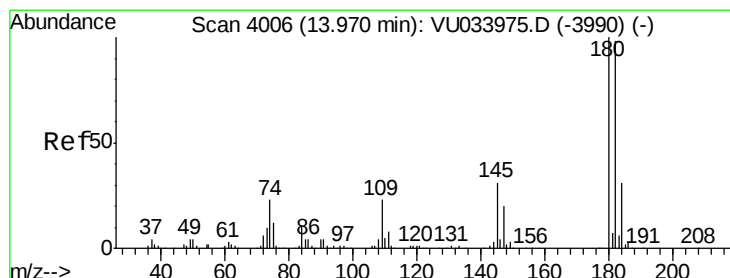
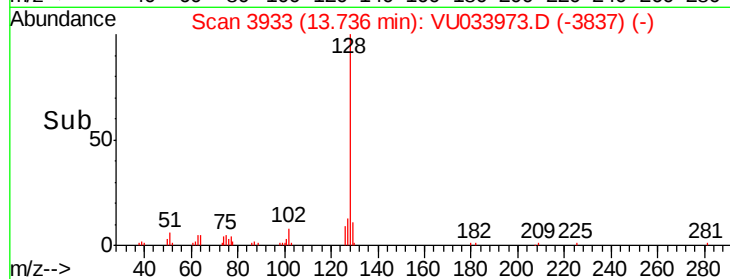
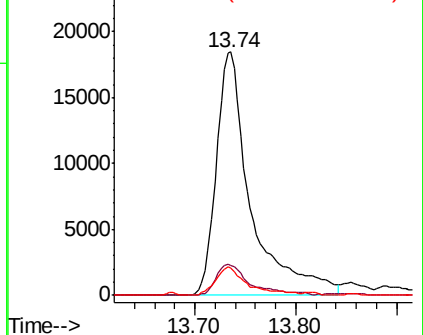
#95
Naphthalene
Concen: 3.461 ug/l
RT: 13.74 min Scan# 3933
Delta R.T. 0.01 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 43972
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.4
129 10.0 8.5 12.7

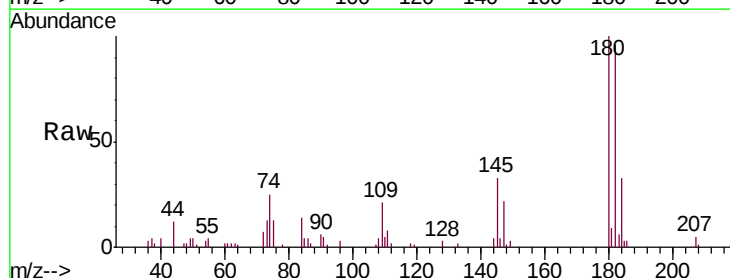


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.341 ug/l
RT: 13.98 min Scan# 4008
Delta R.T. 0.01 min
Lab File: VU033973.D
Acq: 27 Aug 2019 15:07

Tgt Ion:180 Resp: 20263
Ion Ratio Lower Upper
180 100
182 97.4 48.4 145.3
145 30.9 15.1 45.3



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

