

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090619\
 Data File : VU034271.D
 Acq On : 05 Sep 2019 09:14
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Sep 06 04:18:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 04:16:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	297228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	436974	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	440694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	256207	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.30	65	6300	1.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.24%	
35) Dibromofluoromethane	4.86	113	6222	1.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.88%	
50) Toluene-d8	7.55	98	14353	1.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.38%	
62) 4-Bromofluorobenzene	10.30	95	6769	1.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	3641	1.257	ug/l	89
3) Chloromethane	1.32	50	5264	1.232	ug/l	94
4) Vinyl Chloride	1.40	62	4622	1.203	ug/l	95
5) Bromomethane	1.62	94	3787	1.849	ug/l	94
6) Chloroethane	1.69	64	3379	1.416	ug/l	97
7) Trichlorofluoromethane	1.88	101	6154	1.346	ug/l	98
8) Diethyl Ether	2.10	74	2642	1.339	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	4129	1.415	ug/l	99
10) Methyl Iodide	2.40	142	1851	0.485	ug/l #	91
11) Tert butyl alcohol	2.81	59	5363	6.136	ug/l #	87
12) 1,1-Dichloroethene	2.27	96	3756	1.278	ug/l	95
13) Acrolein	2.19	56	5063	11.354	ug/l	85
14) Allyl chloride	2.58	41	7155	1.290	ug/l	96
15) Acrylonitrile	2.94	53	11192	5.491	ug/l	95
16) Acetone	2.31	43	13925	7.136	ug/l	95
17) Carbon Disulfide	2.47	76	9013	1.018	ug/l	96
18) Methyl Acetate	2.61	43	7218	1.432	ug/l	91
19) Methyl tert-butyl Ether	2.99	73	12388	1.258	ug/l	94
20) Methylene Chloride	2.69	84	5454	1.485	ug/l	91
21) trans-1,2-Dichloroethene	2.97	96	3841	1.211	ug/l	94
22) Diisopropyl ether	3.56	45	11685	1.131	ug/l #	55
23) Vinyl Acetate	3.52	43	45925	5.220	ug/l	96
24) 1,1-Dichloroethane	3.43	63	8146	1.342	ug/l	99
25) 2-Butanone	4.26	43	13372	4.930	ug/l	96
26) 2,2-Dichloropropane	4.20	77	3048	0.618	ug/l #	56
27) cis-1,2-Dichloroethene	4.21	96	4373	1.207	ug/l	92
28) Bromochloromethane	4.53	49	3403	1.131	ug/l #	99
29) Tetrahydrofuran	4.63	42	8642	5.165	ug/l	96
30) Chloroform	4.66	83	8922	1.461	ug/l	86
31) Cyclohexane	4.97	56	10126	1.851	ug/l #	26
32) 1,1,1-Trichloroethane	4.90	97	6487	1.306	ug/l #	51
36) 1,1-Dichloropropene	5.12	75	5332	1.288	ug/l #	88
37) Ethyl Acetate	4.38	43	1625	0.346	ug/l #	96
38) Carbon Tetrachloride	5.12	117	5931	1.458	ug/l	91

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	5187	1.082	ug/l	97
40) Benzene	5.37	78	16890	1.331	ug/l	94
41) Methacrylonitrile	4.55	41	2602	1.068	ug/l #	57
42) 1,2-Dichloroethane	5.40	62	5946	1.358	ug/l	97
43) Isopropyl Acetate	5.54	43	8352	1.162	ug/l #	86
44) Trichloroethene	6.17	130	4630	1.375	ug/l	99
45) 1,2-Dichloropropane	6.42	63	4838	1.372	ug/l	93
46) Dibromomethane	6.55	93	2944	1.297	ug/l	94
47) Bromodichloromethane	6.74	83	6445	1.440	ug/l	94
48) Methyl methacrylate	6.61	41	4342	1.261	ug/l #	81
49) 1,4-Dioxane	6.61	88	1725	20.407	ug/l	97
51) 4-Methyl-2-Pentanone	7.45	43	28329	5.688	ug/l	94
52) Toluene	7.62	92	9527	1.212	ug/l	99
53) t-1,3-Dichloropropene	7.87	75	5855	1.193	ug/l #	83
54) cis-1,3-Dichloropropene	7.25	75	6319	1.175	ug/l	96
55) 1,1,2-Trichloroethane	8.05	97	4669	1.385	ug/l	97
56) Ethyl methacrylate	8.01	69	4513	0.907	ug/l #	86
57) 1,3-Dichloropropane	8.23	76	7326	1.290	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.12	63	6826	3.801	ug/l	95
59) 2-Hexanone	8.36	43	19981	5.321	ug/l	84
60) Dibromochloromethane	8.46	129	4375	1.205	ug/l	86
61) 1,2-Dibromoethane	8.58	107	4235	1.206	ug/l	98
64) Tetrachloroethene	8.21	164	4377	1.449	ug/l	94
65) Chlorobenzene	9.10	112	11387	1.233	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	4703	1.394	ug/l #	64
67) Ethyl Benzene	9.23	91	17851	1.149	ug/l	95
68) m/p-Xylenes	9.36	106	11955	2.016	ug/l	94
69) o-Xylene	9.77	106	6143	1.078	ug/l	97
70) Styrene	9.78	104	9662	0.984	ug/l	98
71) Bromoform	9.95	173	3625	1.233	ug/l #	96
73) Isopropylbenzene	10.15	105	16212	0.966	ug/l	98
74) N-amyl acetate	10.01	43	5638	0.805	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	10.44	83	7748	1.193	ug/l	98
76) 1,2,3-Trichloropropane	10.21	75	2041	0.365	ug/l	92
77) Bromobenzene	10.44	156	4984	1.095	ug/l	93
78) n-propylbenzene	10.57	91	17891	0.915	ug/l	98
79) 2-Chlorotoluene	10.64	91	11560	0.984	ug/l	97
80) 1,3,5-Trimethylbenzene	10.76	105	11681	0.821	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.48	75	5455	3.233	ug/l #	100
82) 4-Chlorotoluene	10.76	91	12760	0.942	ug/l	98
83) tert-Butylbenzene	11.08	119	13190	0.941	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	11925	0.844	ug/l	97
85) sec-Butylbenzene	11.31	105	14185	0.845	ug/l	97
86) p-Isopropyltoluene	11.46	119	13203	0.868	ug/l	94
87) 1,3-Dichlorobenzene	11.40	146	8956	1.107	ug/l	99
88) 1,4-Dichlorobenzene	11.40	146	8956	1.091	ug/l	100
89) n-Butylbenzene	11.87	91	10447	0.780	ug/l	91
90) Hexachloroethane	12.13	117	2476	0.952	ug/l	95
91) 1,2-Dichlorobenzene	11.87	146	8693	1.118	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.65	75	778	0.605	ug/l #	66

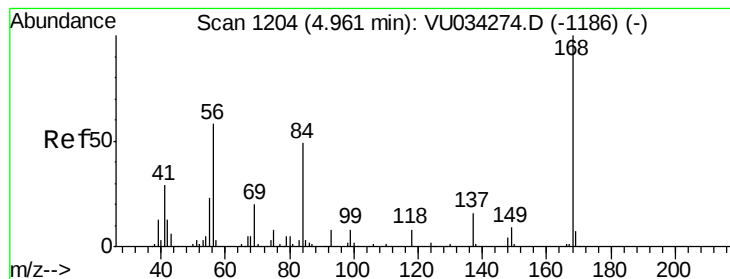
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	1278	0.269	ug/l	87
94) Hexachlorobutadiene	13.67	225	3061	1.025	ug/l	95
95) Naphthalene	13.76	128	3522	0.269	ug/l #	73
96) 1,2,3-Trichlorobenzene	13.98	180	3229	0.647	ug/l	80

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

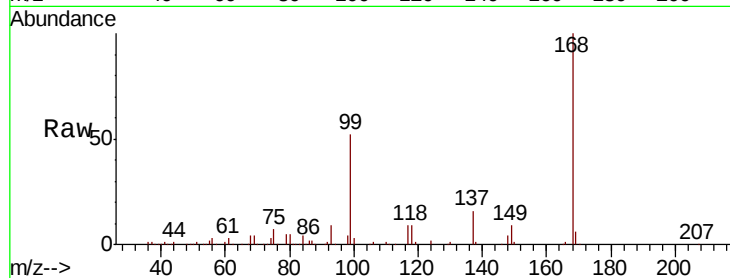
VSTDIC001

Tgt Ion:168 Resp: 297228

Ion Ratio Lower Upper

168 100

99 51.9 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034271.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034271.D (-1186) (-)

4.96

150000

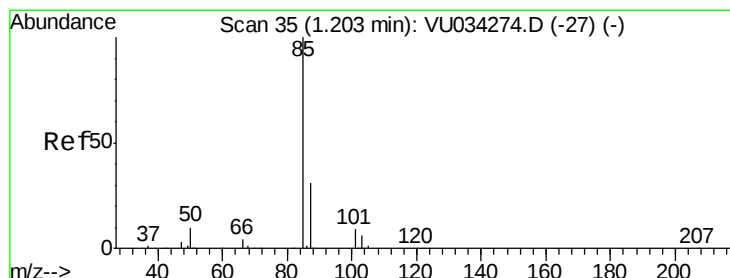
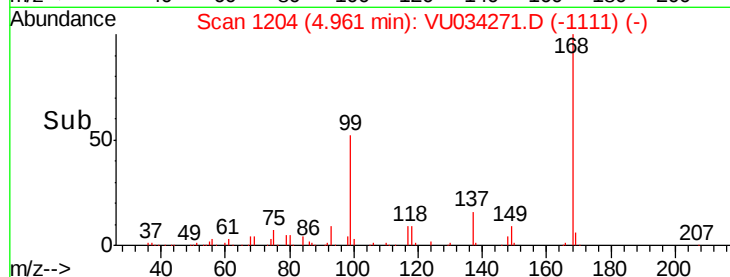
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 1.257 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034271.D

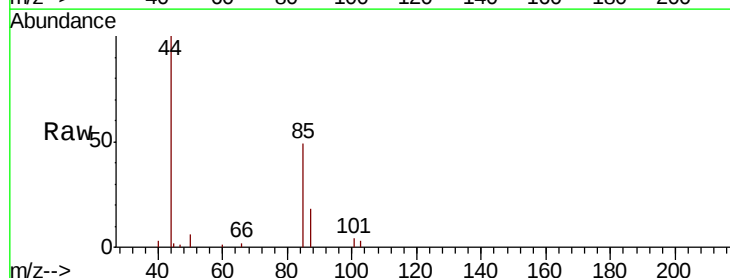
Acq: 05 Sep 2019 09:14

Tgt Ion: 85 Resp: 3641

Ion Ratio Lower Upper

85 100

87 37.3 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034271.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034271.D (-1) (-)

1.20

4000

3000

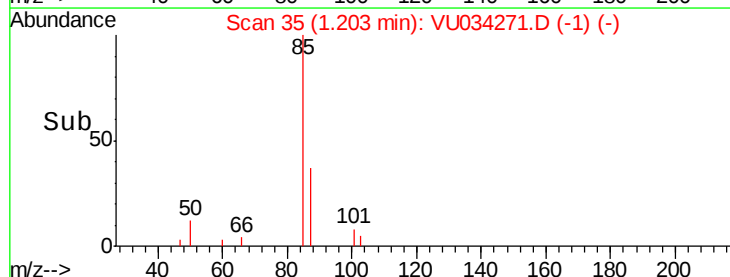
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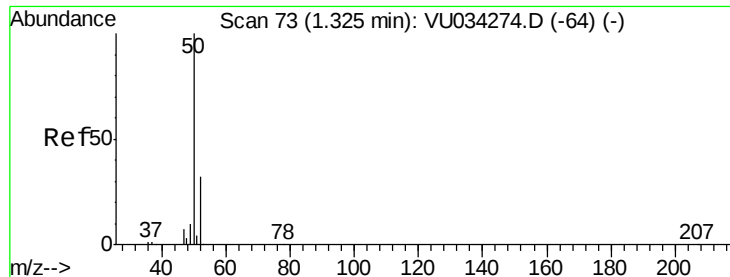
1000

0

1.18 1.20 1.22 1.24

Time-->





#3

Chloromethane

Concen: 1.232 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

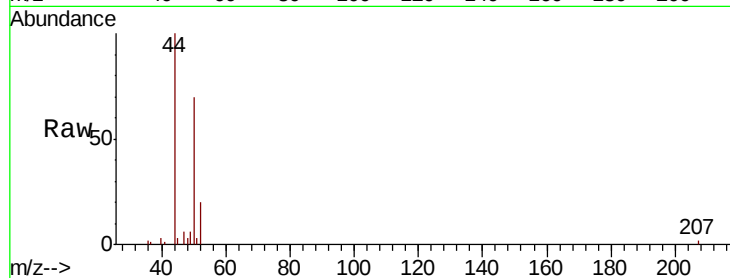
VSTDIC001

Tgt Ion: 50 Resp: 5264

Ion Ratio Lower Upper

50 100

52 28.7 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VU034271.D (-64) (-)

Ion 51.90 (51.60 to 52.60): VU034271.D (-64) (-)

1.32

6000

5000

4000

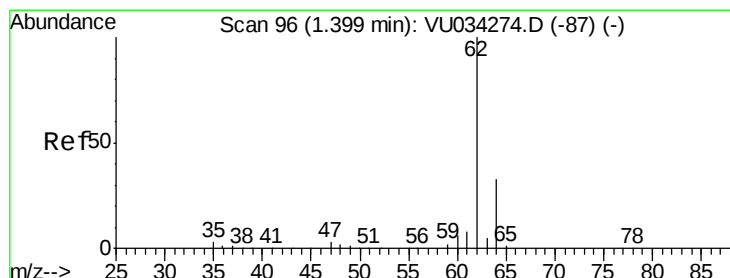
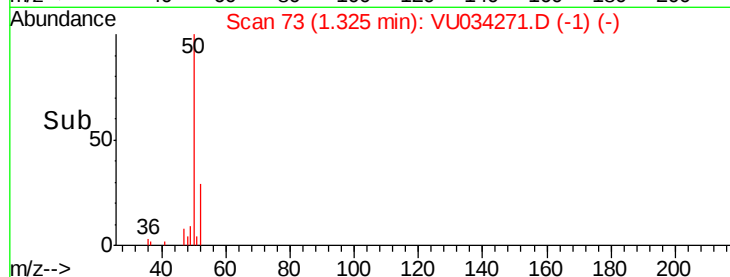
3000

2000

1000

0

Time--> 1.28 1.30 1.32 1.34 1.36



#4

Vinyl Chloride

Concen: 1.203 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034271.D

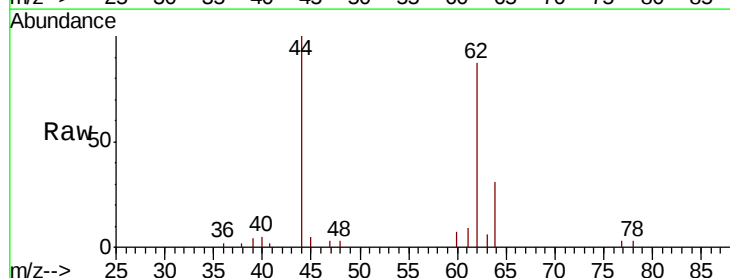
Acq: 05 Sep 2019 09:14

Tgt Ion: 62 Resp: 4622

Ion Ratio Lower Upper

62 100

64 35.7 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034271.D (-87) (-)

Ion 63.90 (63.60 to 64.60): VU034271.D (-87) (-)

1.40

5000

4000

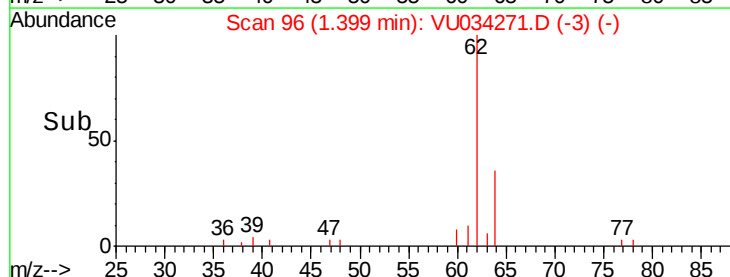
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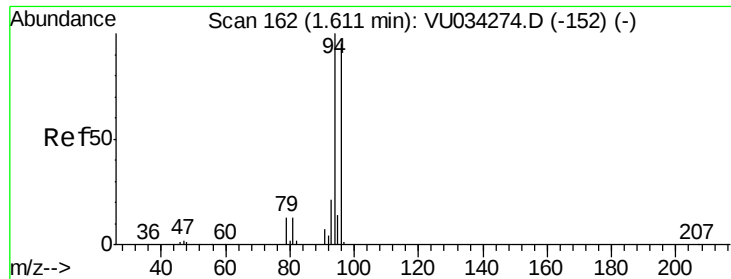
2000

1000

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: 1.849 ug/l

RT: 1.62 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

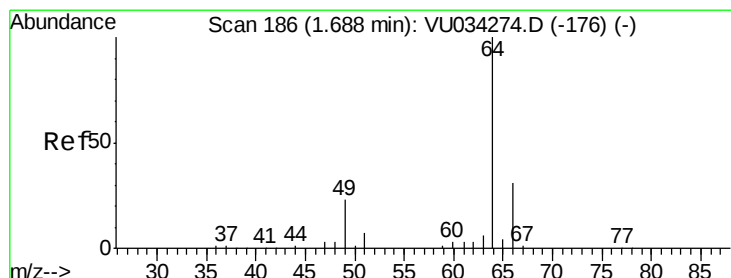
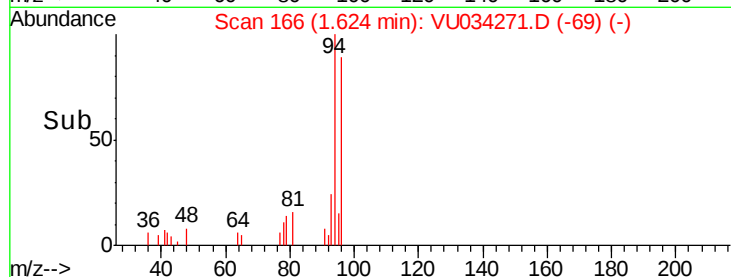
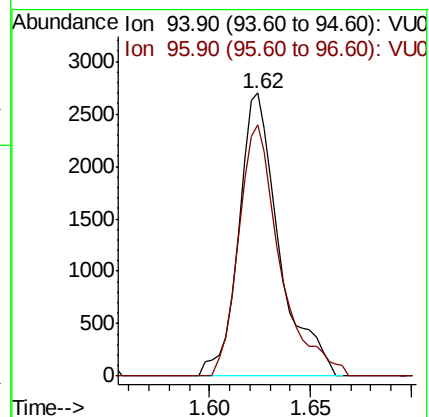
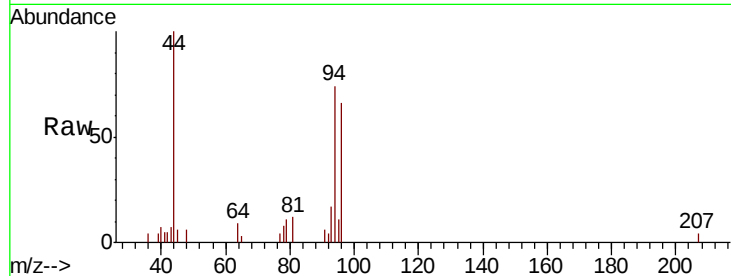
VSTDIC001

Tgt Ion: 94 Resp: 3787

Ion Ratio Lower Upper

94 100

96 89.0 75.7 113.5



#6

Chloroethane

Concen: 1.416 ug/l

RT: 1.69 min Scan# 188

Delta R.T. 0.01 min

Lab File: VU034271.D

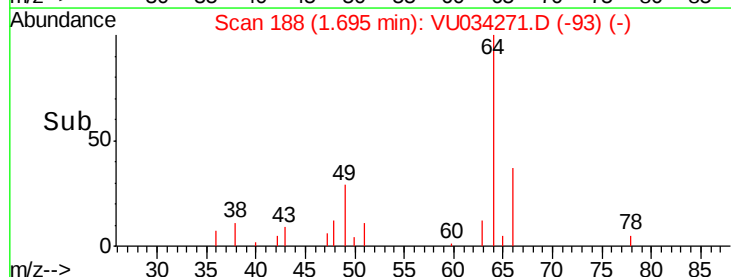
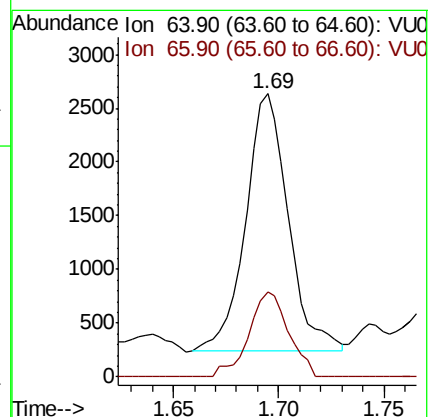
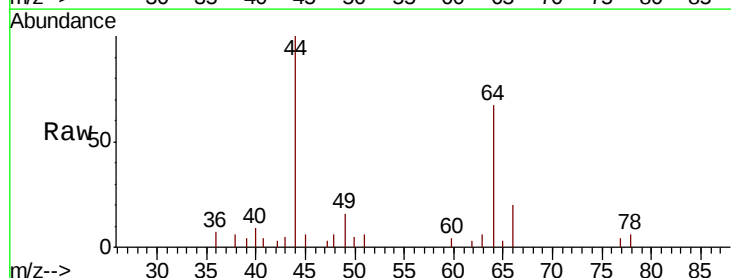
Acq: 05 Sep 2019 09:14

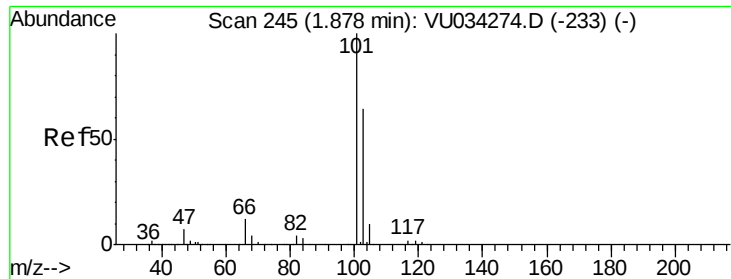
Tgt Ion: 64 Resp: 3379

Ion Ratio Lower Upper

64 100

66 32.9 25.0 37.6





#7

Trichlorofluoromethane

Concen: 1.346 ug/l

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

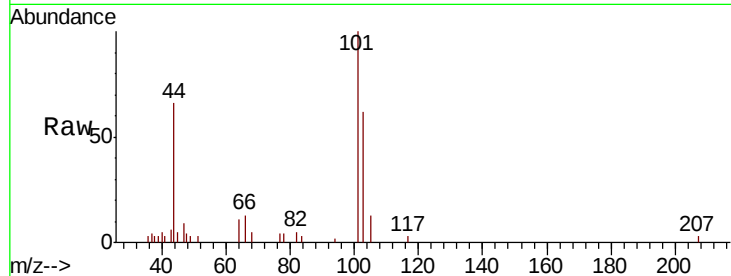
VSTDIC001

Tgt Ion:101 Resp: 6154

Ion Ratio Lower Upper

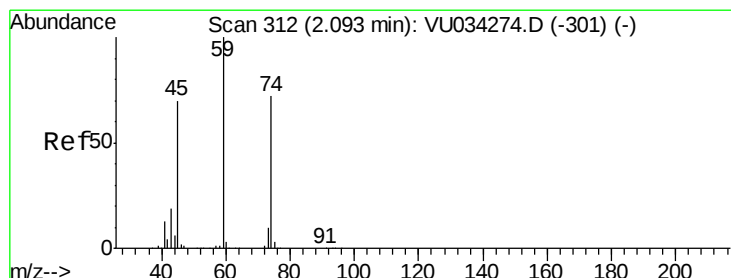
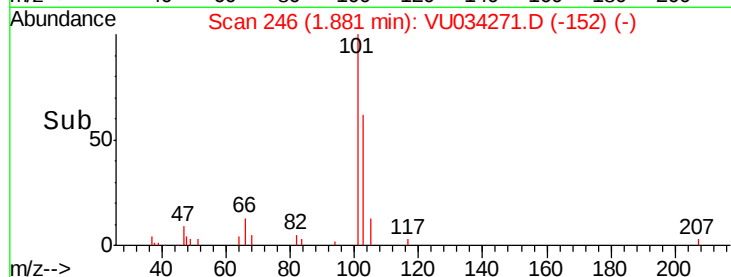
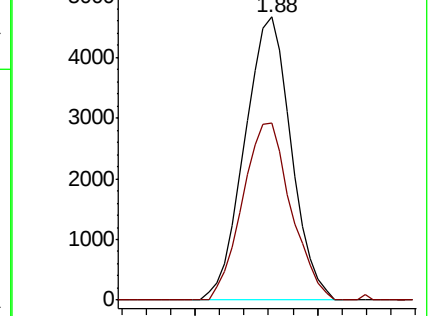
101 100

103 62.4 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.339 ug/l

RT: 2.10 min Scan# 313

Delta R.T. 0.00 min

Lab File: VU034271.D

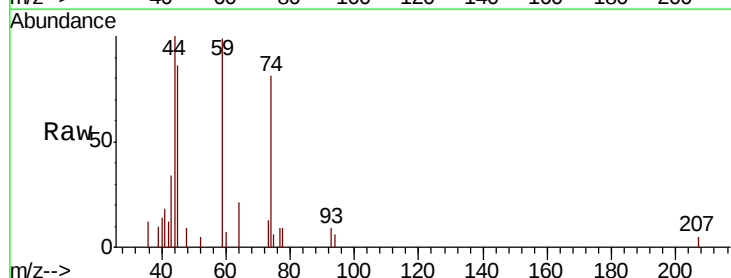
Acq: 05 Sep 2019 09:14

Tgt Ion: 74 Resp: 2642

Ion Ratio Lower Upper

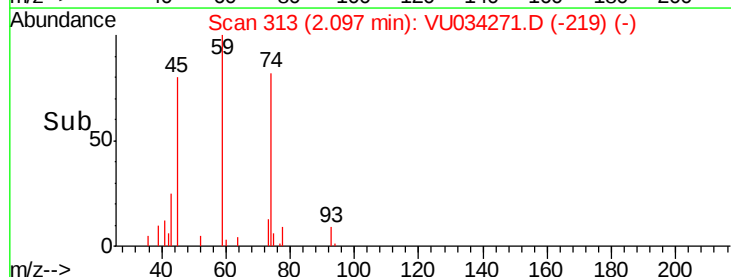
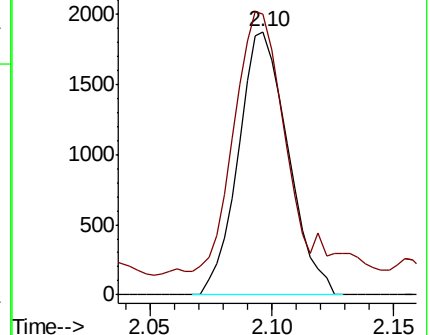
74 100

45 104.0 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

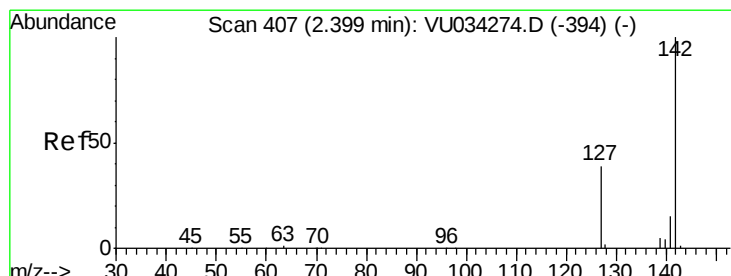
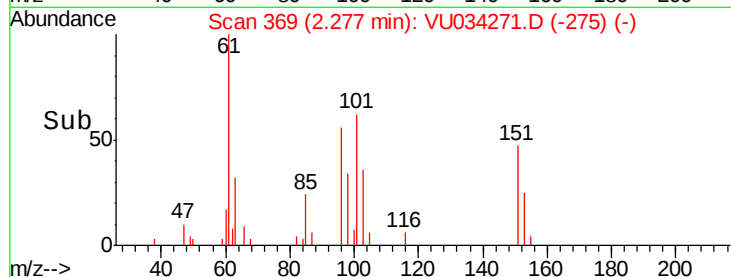
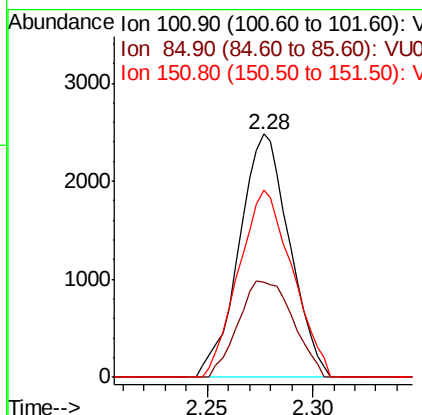
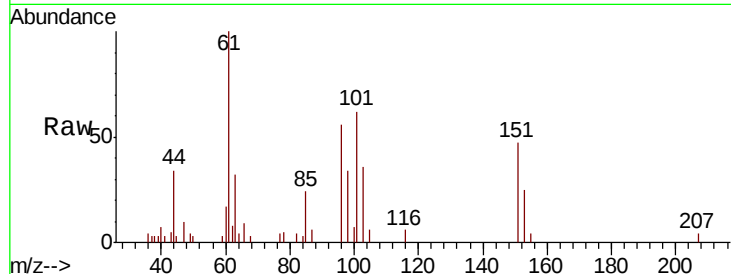




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.415 ug/l
 RT: 2.28 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

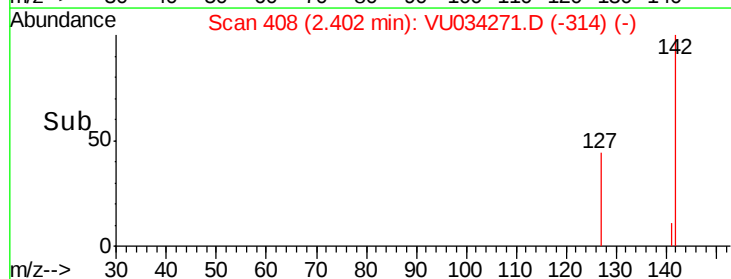
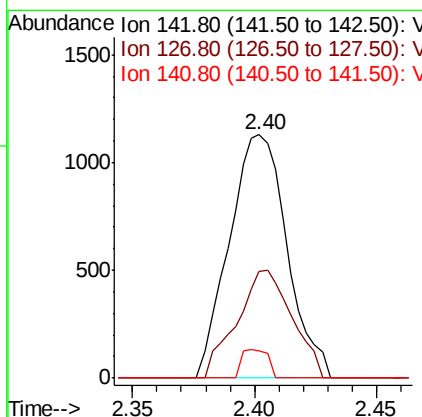
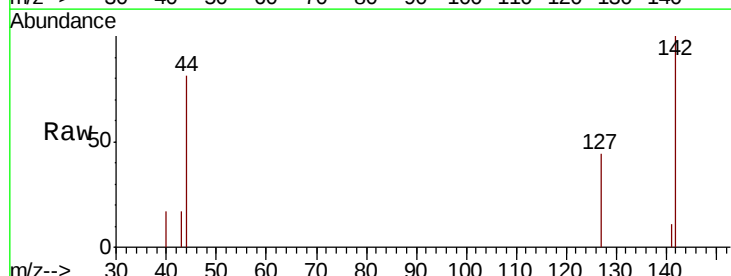
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

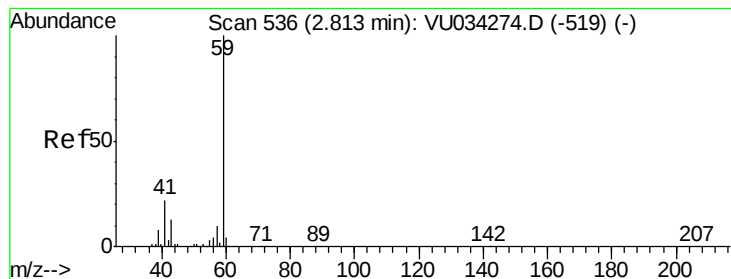
Tgt Ion:101 Resp: 4129
 Ion Ratio Lower Upper
 101 100
 85 42.9 34.4 51.6
 151 81.9 64.4 96.6



#10
 Methyl Iodide
 Concen: 0.485 ug/l
 RT: 2.40 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Tgt Ion:142 Resp: 1851
 Ion Ratio Lower Upper
 142 100
 127 42.4 32.1 48.1
 141 5.2 11.5 17.3#





#11

Tert butyl alcohol

Concen: 6.136 ug/l

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampled :

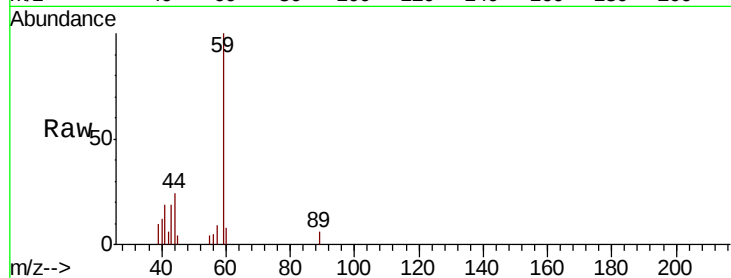
VSTDIC001

Tgt Ion: 59 Resp: 5363

Ion Ratio Lower Upper

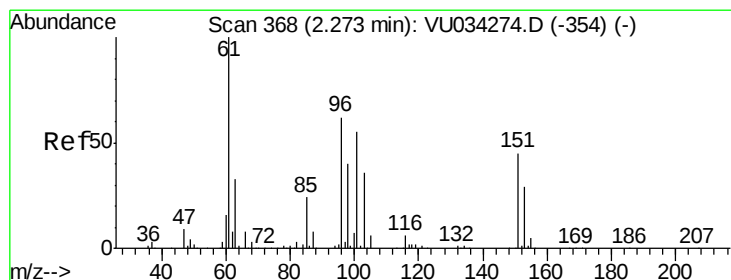
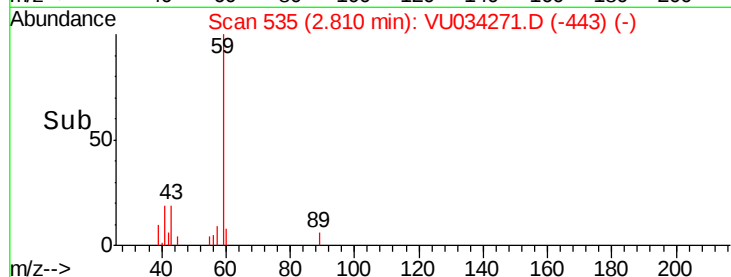
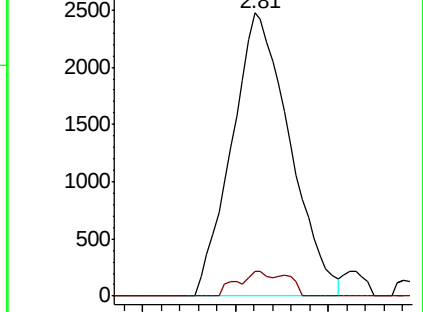
59 100

57 5.1 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU034271.D (-443) (-)

Ion 57.00 (56.70 to 57.70): VU034271.D (-443) (-)



#12

1,1-Dichloroethene

Concen: 1.278 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

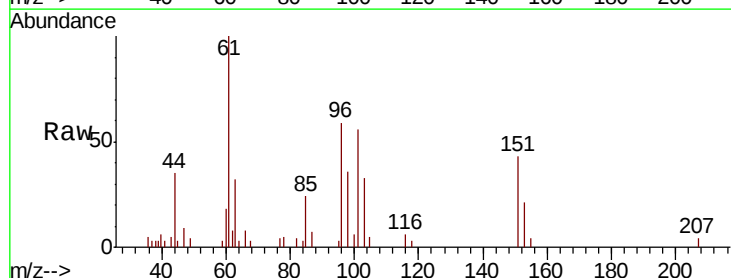
Tgt Ion: 96 Resp: 3756

Ion Ratio Lower Upper

96 100

61 168.2 130.0 195.0

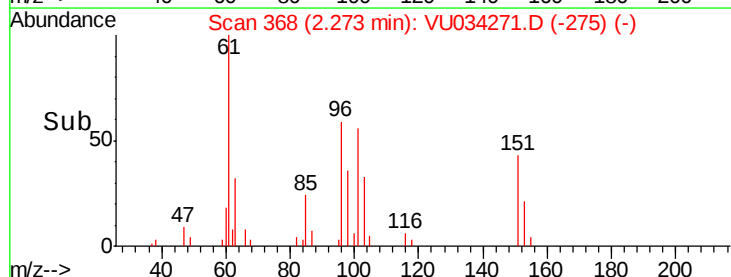
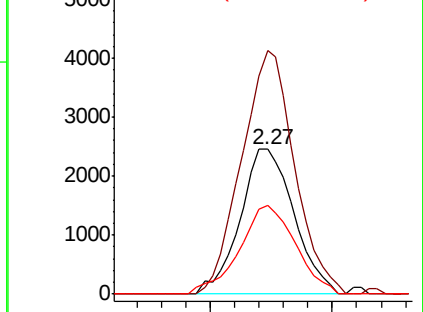
98 61.1 52.2 78.4

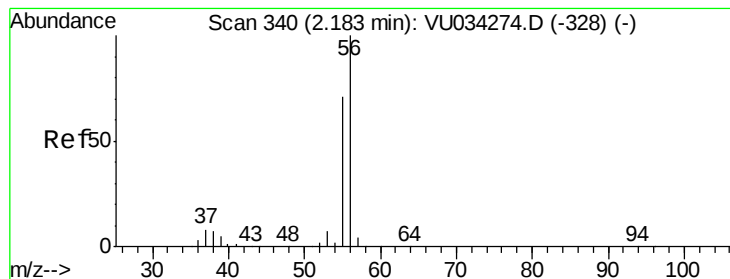


Abundance Ion 95.90 (95.60 to 96.60): VU034271.D (-275) (-)

Ion 60.90 (60.60 to 61.60): VU034271.D (-275) (-)

Ion 97.90 (97.60 to 98.60): VU034271.D (-275) (-)





#13

Acrolein

Concen: 11.354 ug/l

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

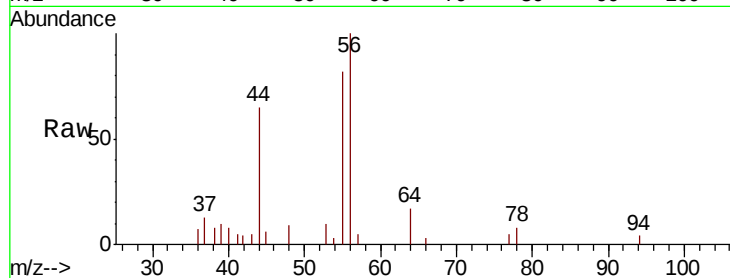
VSTDIC001

Tgt Ion: 56 Resp: 5063

Ion Ratio Lower Upper

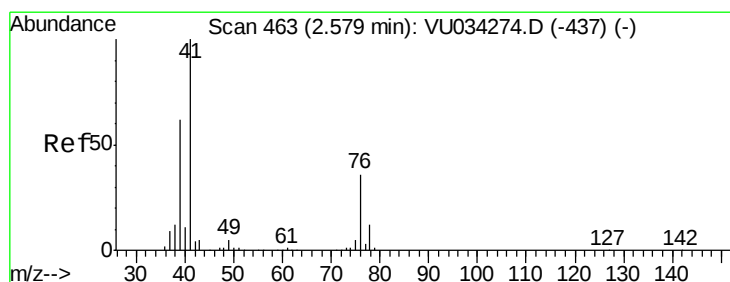
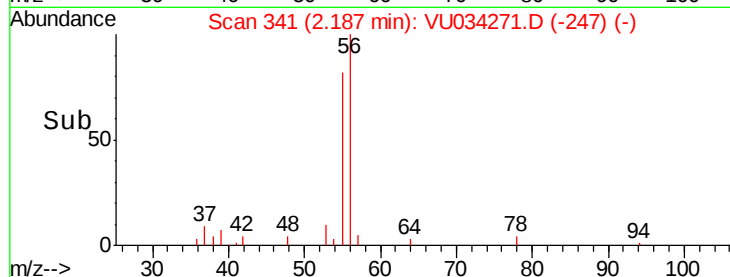
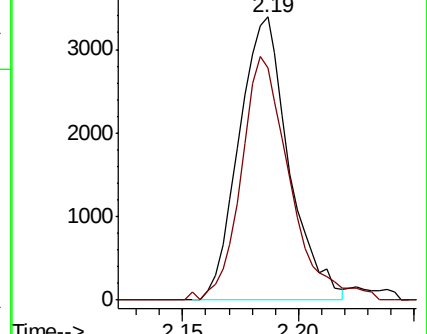
56 100

55 84.0 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VU034271.D (-247) (-)

Ion 55.00 (54.70 to 55.70): VU034271.D (-247) (-)



#14

Allyl chloride

Concen: 1.290 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

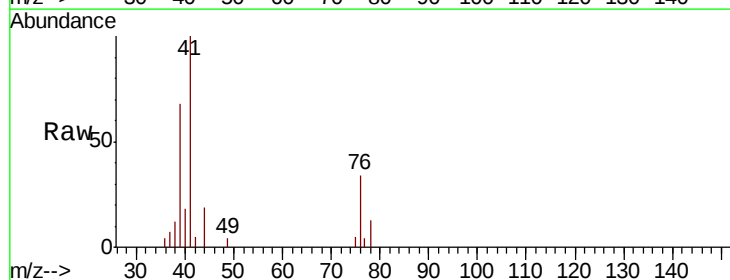
Tgt Ion: 41 Resp: 7155

Ion Ratio Lower Upper

41 100

39 57.9 43.5 65.3

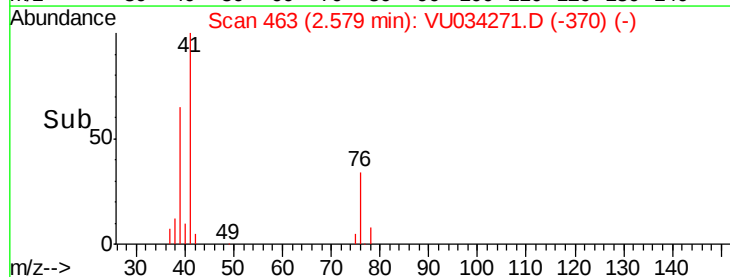
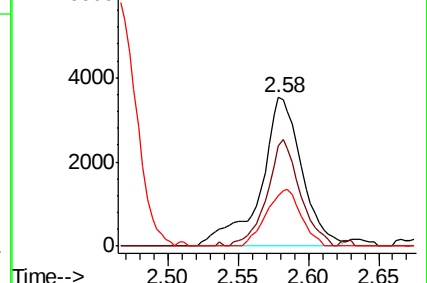
76 32.4 27.0 40.6

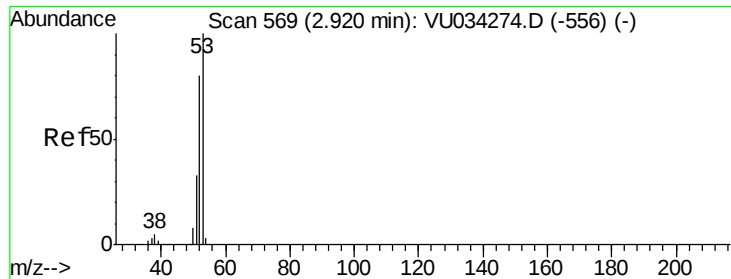


Abundance Ion 41.00 (40.70 to 41.70): VU034271.D (-370) (-)

Ion 39.00 (38.70 to 39.70): VU034271.D (-370) (-)

Ion 75.90 (75.60 to 76.60): VU034271.D (-370) (-)





#15

Acrylonitrile

Concen: 5.491 ug/l

RT: 2.94 min Scan# 574

Delta R.T. 0.02 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

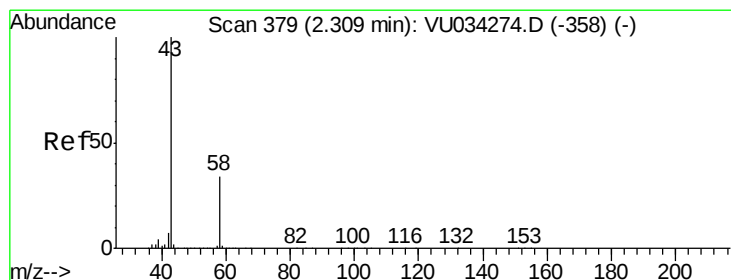
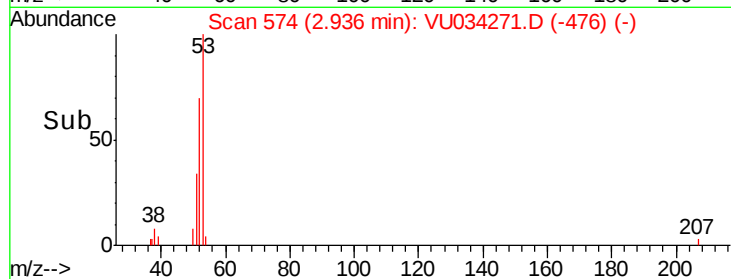
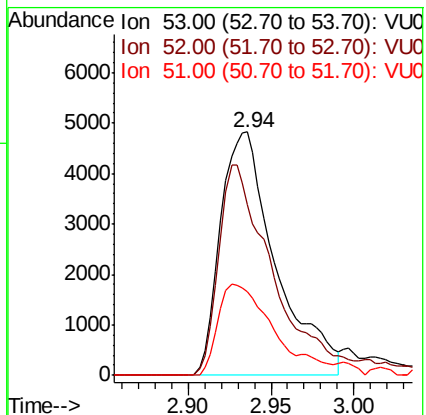
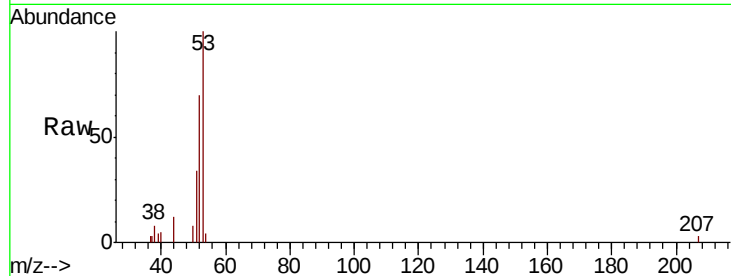
Tgt Ion: 53 Resp: 11192

Ion Ratio Lower Upper

53 100

52 84.6 64.1 96.1

51 37.7 27.4 41.0



#16

Acetone

Concen: 7.136 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034271.D

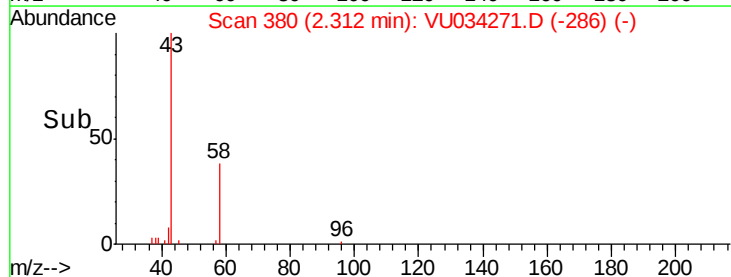
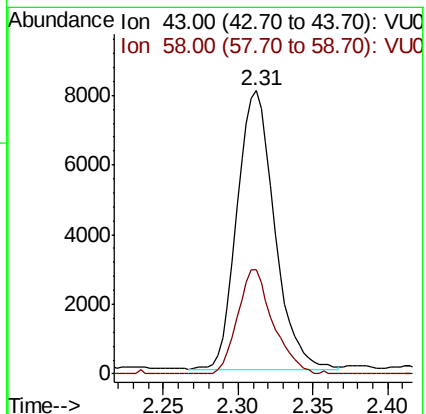
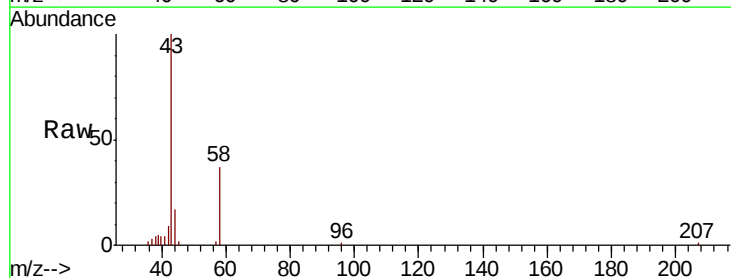
Acq: 05 Sep 2019 09:14

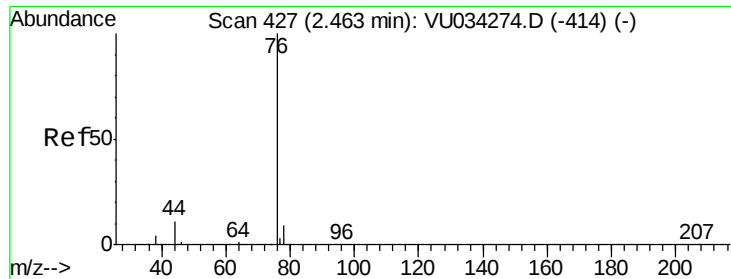
Tgt Ion: 43 Resp: 13925

Ion Ratio Lower Upper

43 100

58 37.6 27.6 41.4

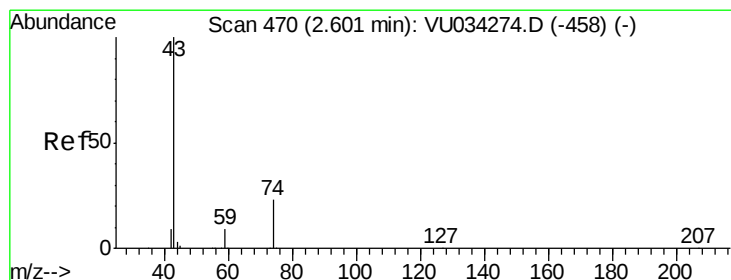
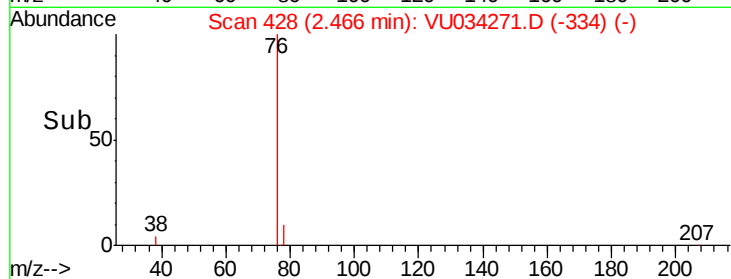
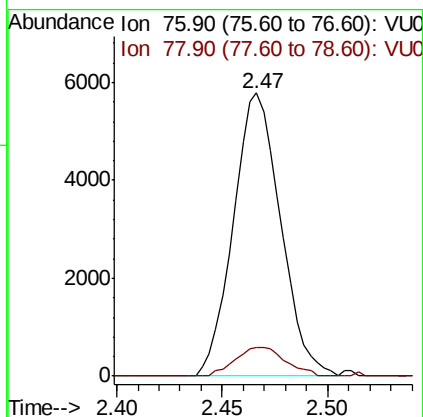
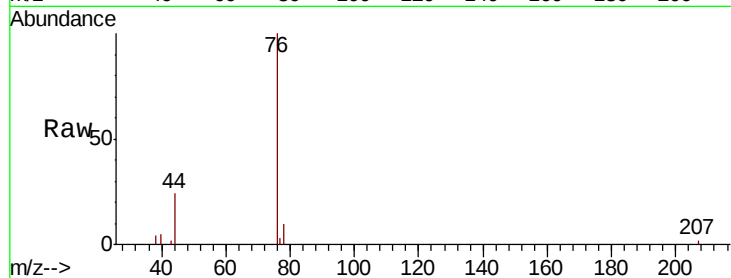




#17
Carbon Disulfide
Concen: 1.018 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

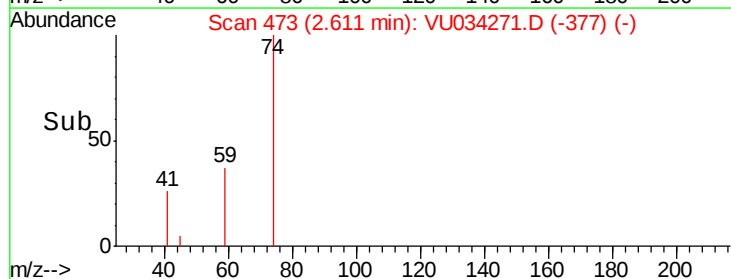
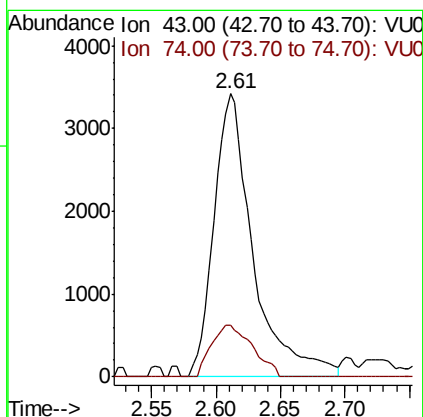
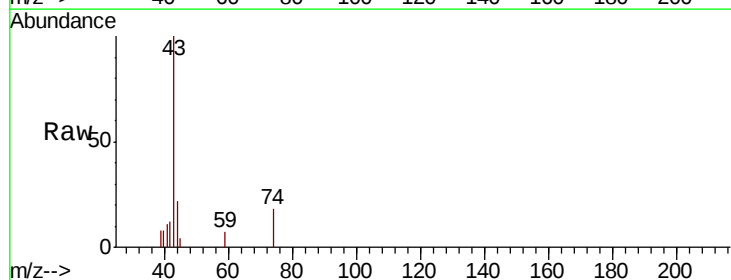
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

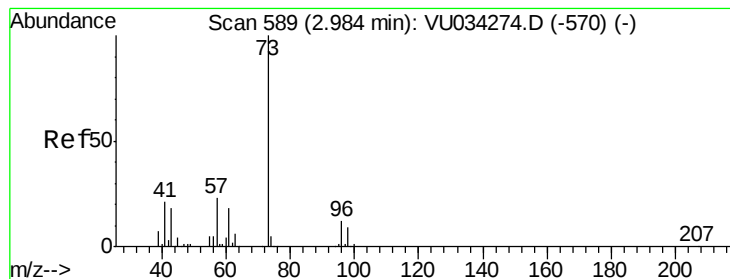
Tgt Ion: 76 Resp: 9013
Ion Ratio Lower Upper
76 100
78 10.3 7.2 10.8



#18
Methyl Acetate
Concen: 1.432 ug/l
RT: 2.61 min Scan# 473
Delta R.T. 0.01 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

Tgt Ion: 43 Resp: 7218
Ion Ratio Lower Upper
43 100
74 19.2 18.9 28.3



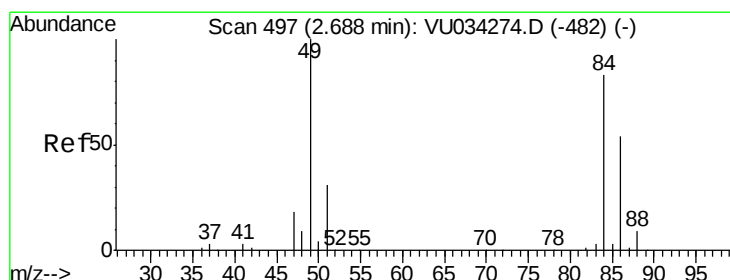
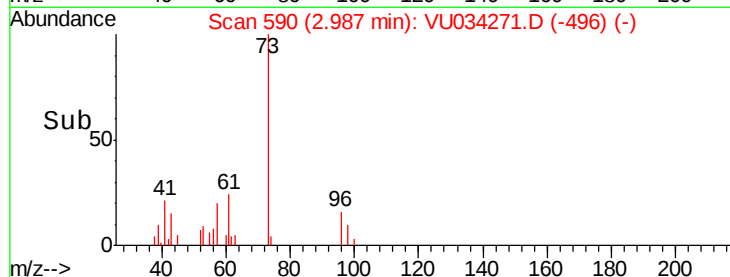
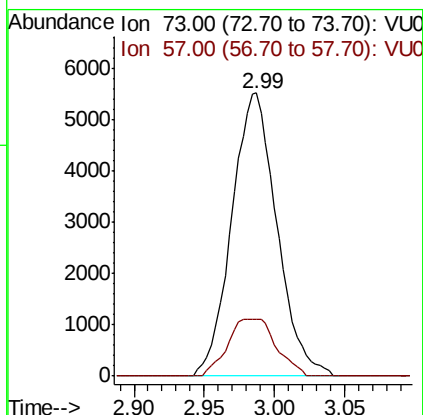
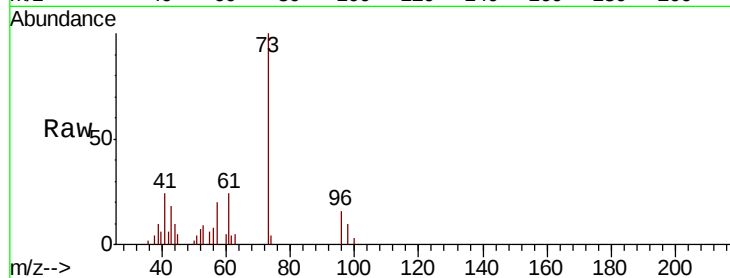


#19

Methyl tert-butyl Ether
 Concen: 1.258 ug/l
 RT: 2.99 min Scan# 590
 Delta R.T. 0.00 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

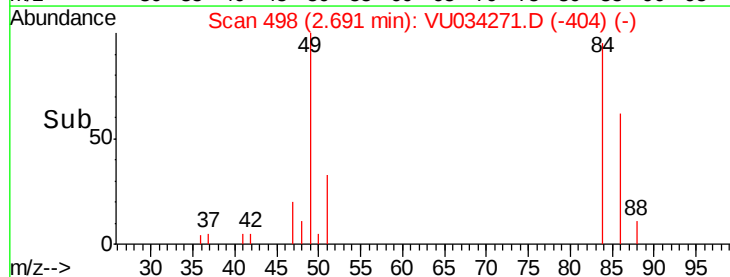
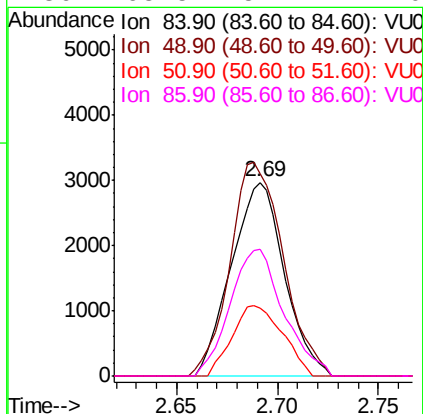
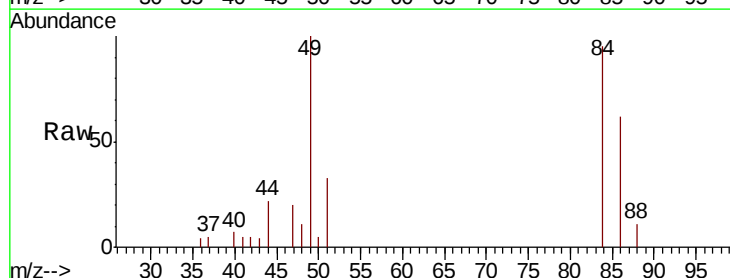
Tgt Ion: 73 Resp: 12388
 Ion Ratio Lower Upper
 73 100
 57 19.9 18.2 27.4

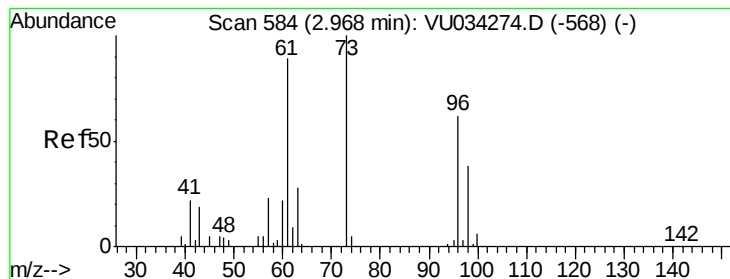


#20

Methylene Chloride
 Concen: 1.485 ug/l
 RT: 2.69 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Tgt Ion: 84 Resp: 5454
 Ion Ratio Lower Upper
 84 100
 49 104.8 96.0 144.0
 51 35.0 30.0 45.0
 86 65.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 1.211 ug/l

RT: 2.97 min Scan# 585

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

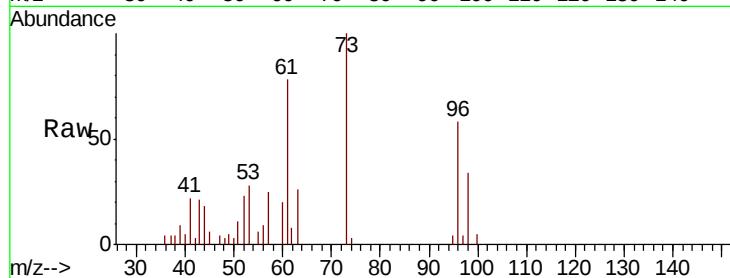
Tgt Ion: 96 Resp: 3841

Ion Ratio Lower Upper

96 100

61 134.3 114.8 172.2

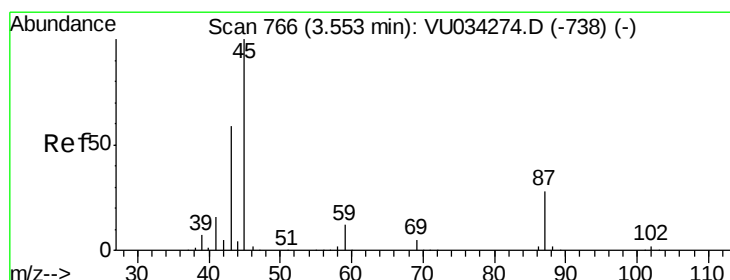
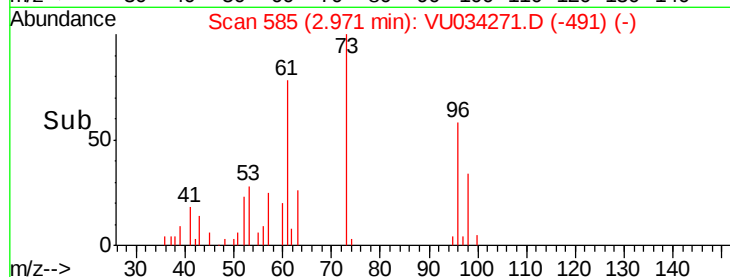
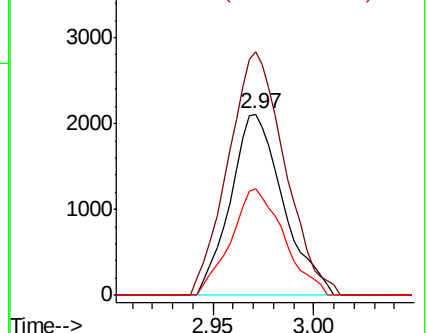
98 59.1 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VU034271.D (-491) (-)

Ion 60.90 (60.60 to 61.60): VU034271.D (-491) (-)

Ion 97.90 (97.60 to 98.60): VU034271.D (-491) (-)



#22

Diisopropyl ether

Concen: 1.131 ug/l

RT: 3.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Tgt Ion: 45 Resp: 11685

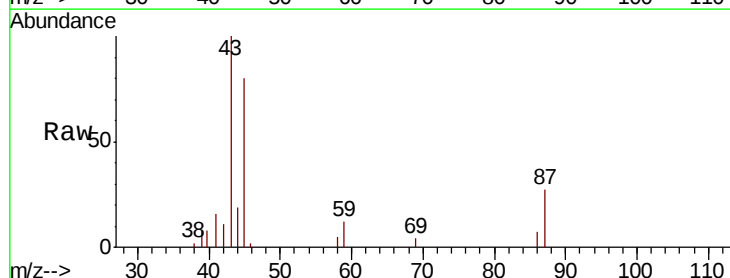
Ion Ratio Lower Upper

45 100

43 110.8 47.5 71.3#

87 33.7 22.2 33.4#

59 14.9 9.4 14.2#

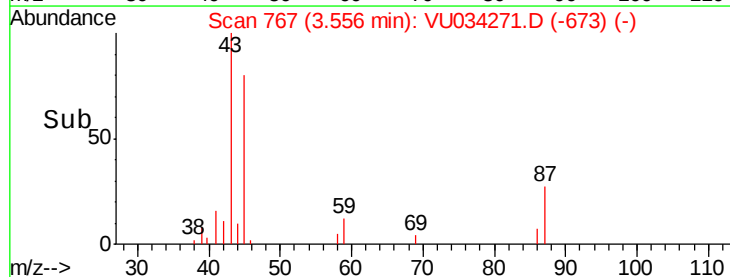
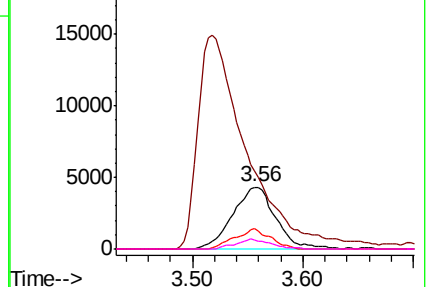


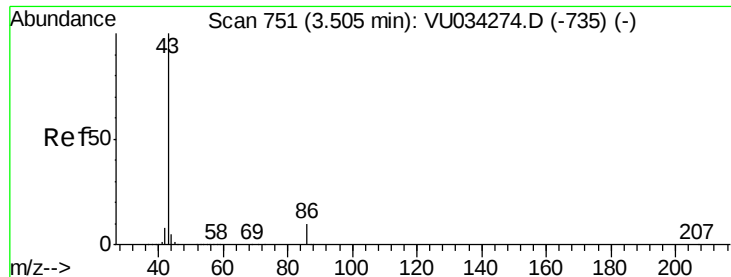
Abundance Ion 45.00 (44.70 to 45.70): VU034271.D (-673) (-)

Ion 43.00 (42.70 to 43.70): VU034271.D (-673) (-)

Ion 87.00 (86.70 to 87.70): VU034271.D (-673) (-)

Ion 59.00 (58.70 to 59.70): VU034271.D (-673) (-)





#23

Vinyl Acetate

Concen: 5.220 ug/l

RT: 3.52 min Scan# 755

Delta R.T. 0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

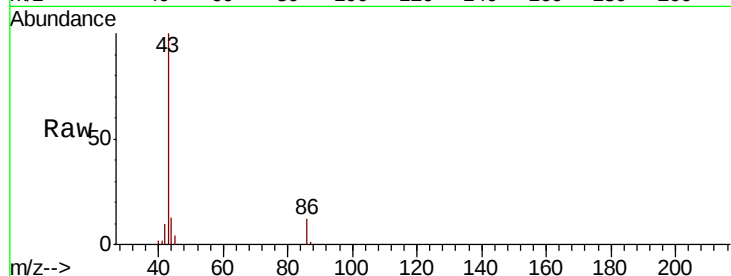
VSTDIC001

Tgt Ion: 43 Resp: 45925

Ion Ratio Lower Upper

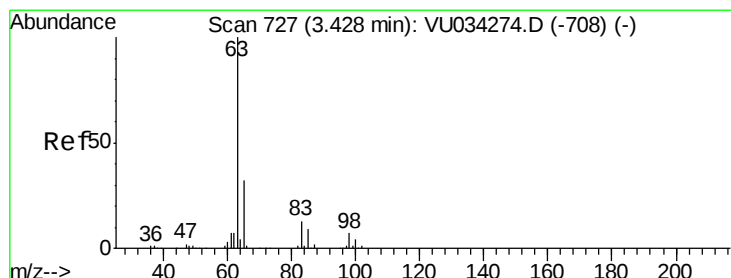
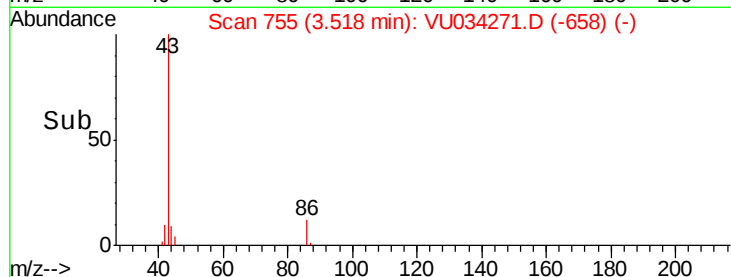
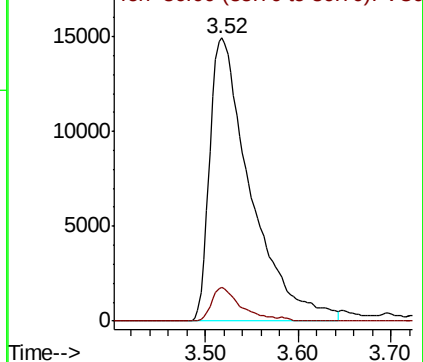
43 100

86 11.9 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034271.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034271.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 1.342 ug/l

RT: 3.43 min Scan# 728

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

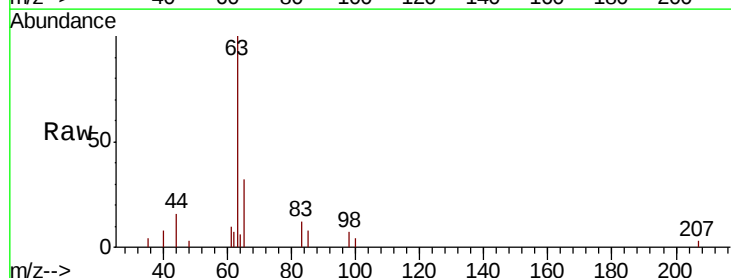
Tgt Ion: 63 Resp: 8146

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

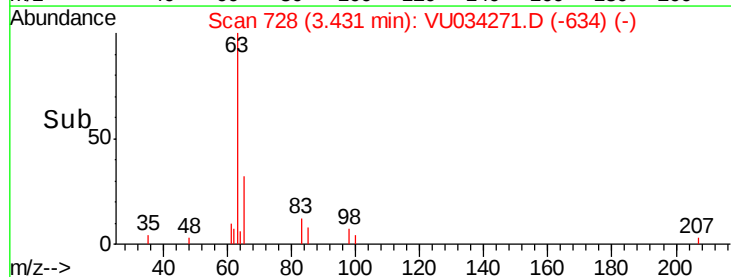
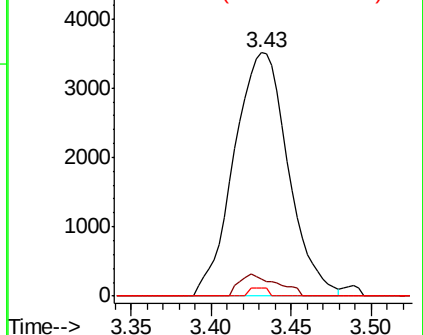
100 3.6 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034271.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034271.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034271.D (-634) (-)





#25

2-Butanone

Concen: 4.930 ug/l

RT: 4.26 min Scan# 987

Delta R.T. 0.03 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

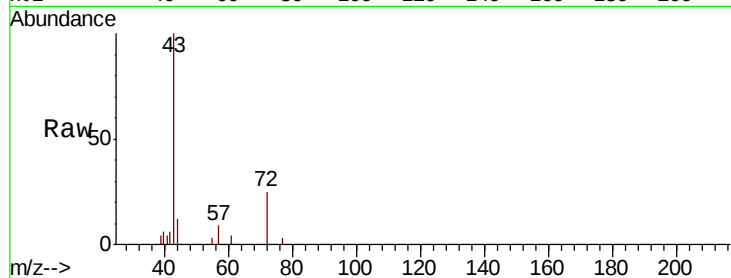
VSTDIC001

Tgt Ion: 43 Resp: 13372

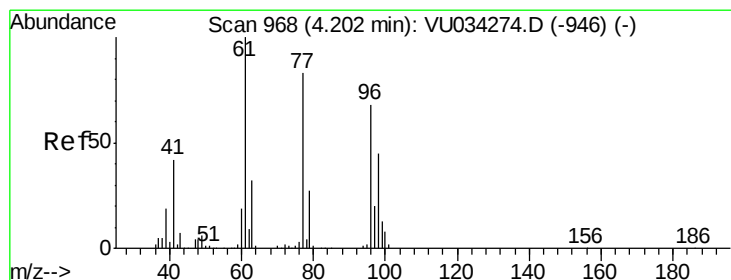
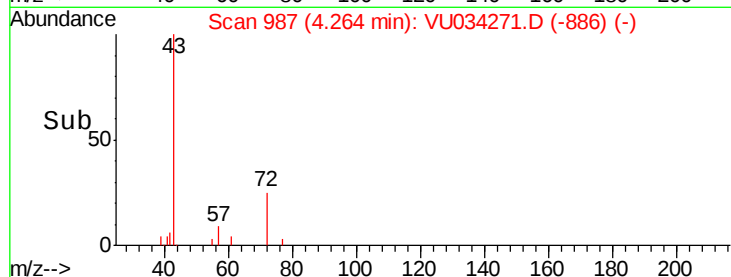
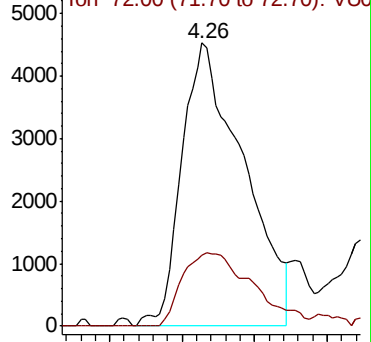
Ion Ratio Lower Upper

43 100

72 25.2 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU034271.D (-986) (-)



#26

2,2-Dichloropropane

Concen: 0.618 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034271.D

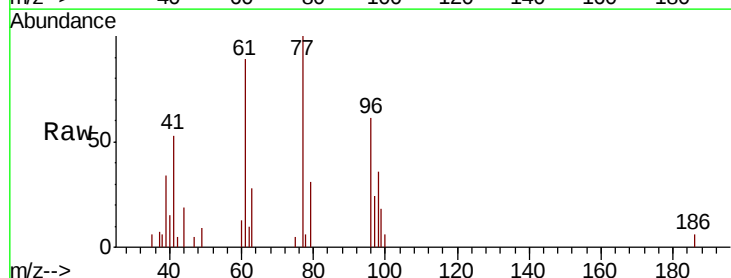
Acq: 05 Sep 2019 09:14

Tgt Ion: 77 Resp: 3048

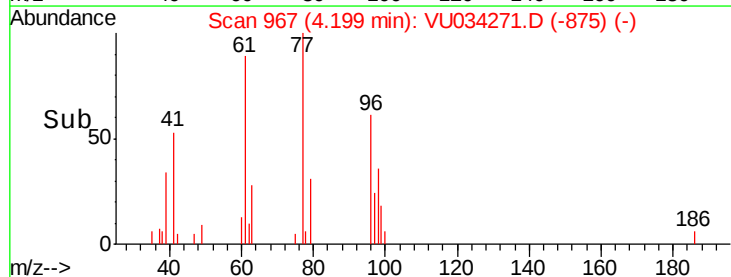
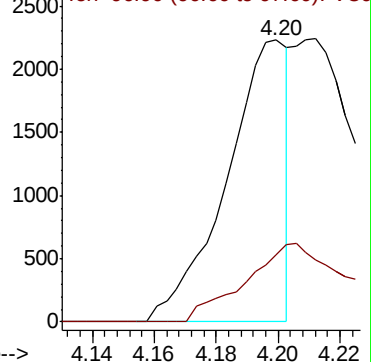
Ion Ratio Lower Upper

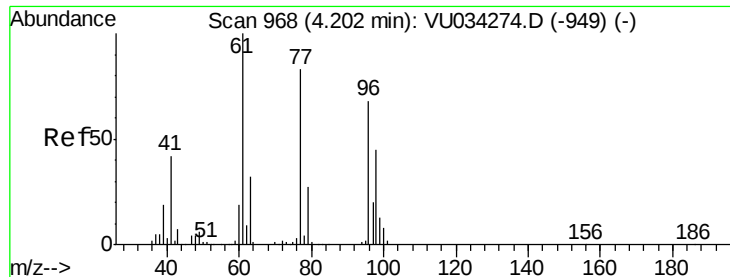
77 100

97 44.8 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VU034271.D (-875) (-)



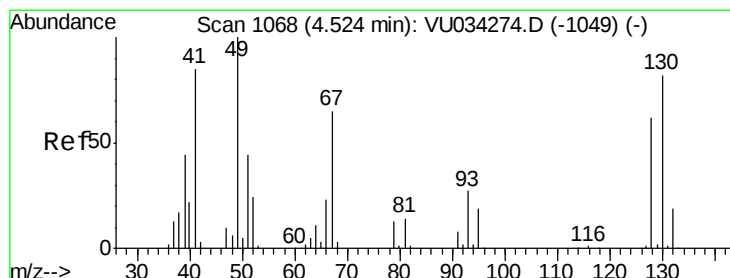
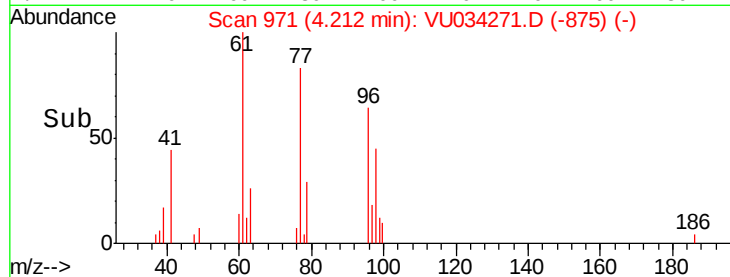
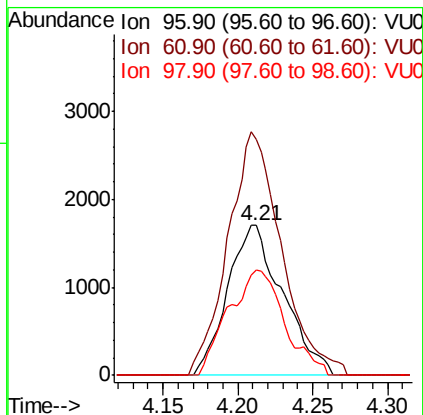
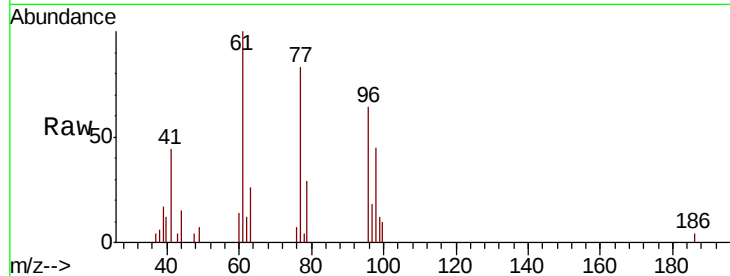


#27

cis-1,2-Dichloroethene
 Concen: 1.207 ug/l
 RT: 4.21 min Scan# 971
 Delta R.T. 0.01 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

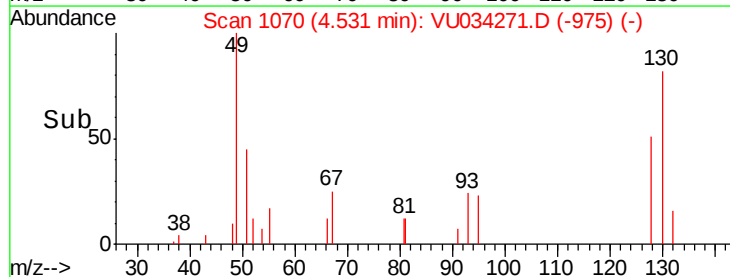
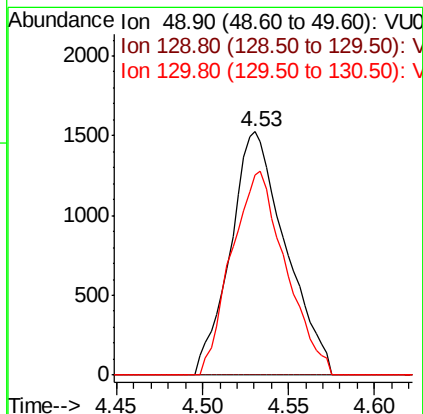
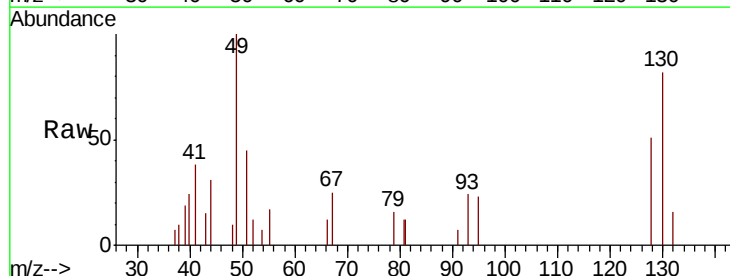
Tgt Ion: 96 Resp: 4373
 Ion Ratio Lower Upper
 96 100
 61 157.9 0.0 297.4
 98 71.4 0.0 130.0

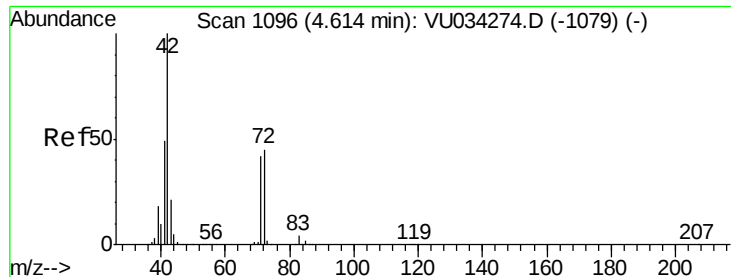


#28

Bromochloromethane
 Concen: 1.131 ug/l
 RT: 4.53 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Tgt Ion: 49 Resp: 3403
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 82.2 65.2 97.8

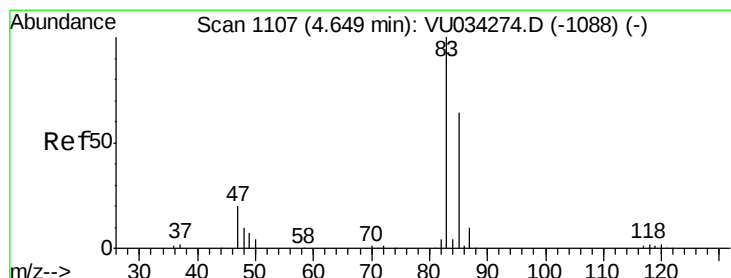
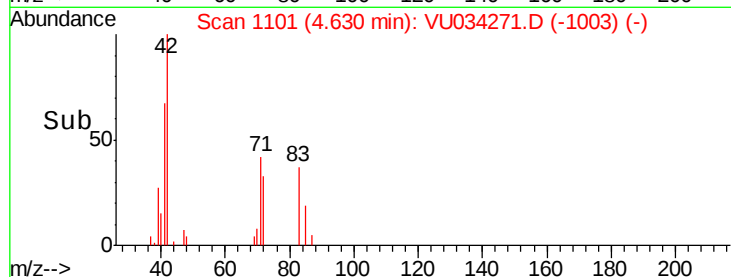
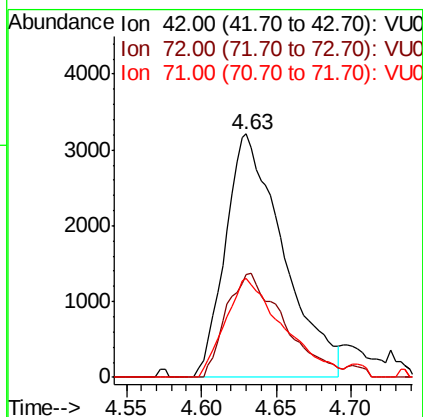
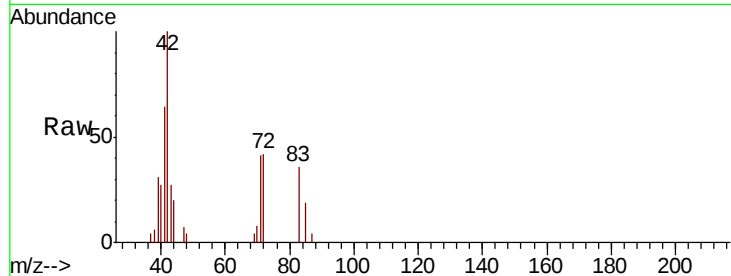




#29
Tetrahydrofuran
Concen: 5.165 ug/l
RT: 4.63 min Scan# 1101
Delta R.T. 0.02 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

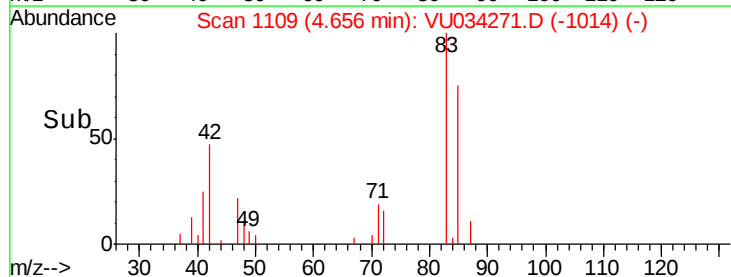
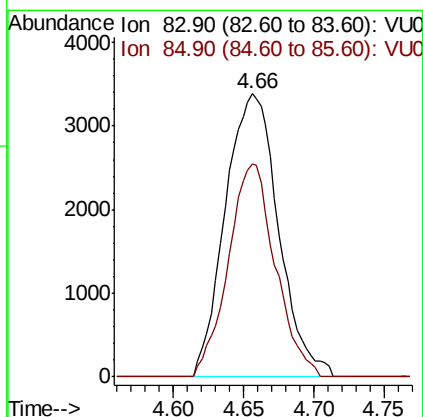
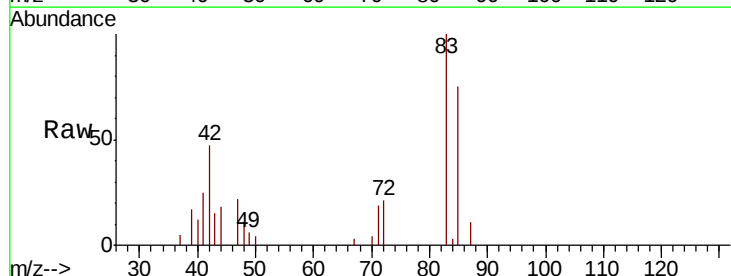
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

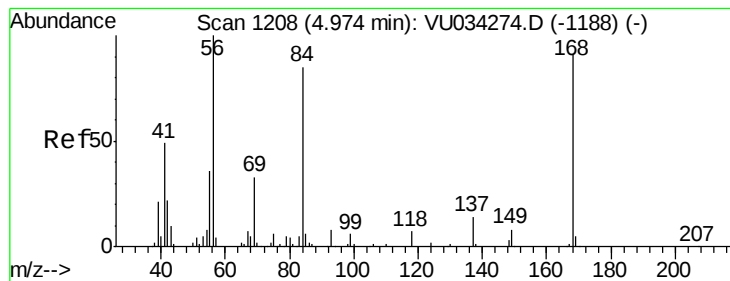
Tgt Ion: 42 Resp: 8642
Ion Ratio Lower Upper
42 100
72 42.9 36.6 54.8
71 41.1 34.3 51.5



#30
Chloroform
Concen: 1.461 ug/l
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

Tgt Ion: 83 Resp: 8922
Ion Ratio Lower Upper
83 100
85 75.0 51.5 77.3





#31

Cyclohexane

Concen: 1.851 ug/l

RT: 4.97 min Scan# 1206

Delta R.T. -0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

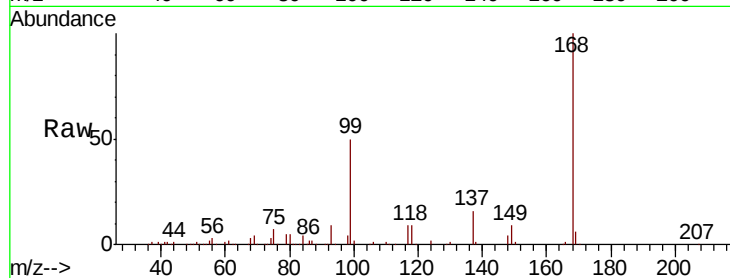
Tgt Ion: 56 Resp: 10126

Ion Ratio Lower Upper

56 100

69 113.0 26.7 40.1#

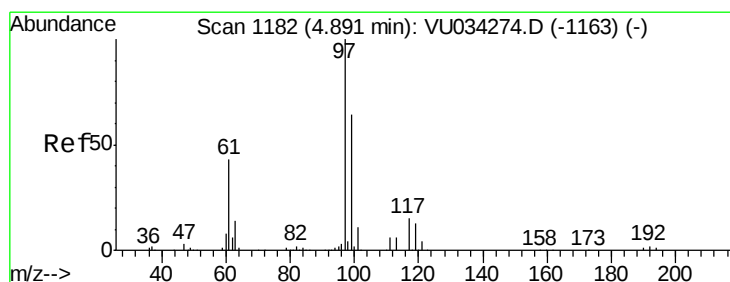
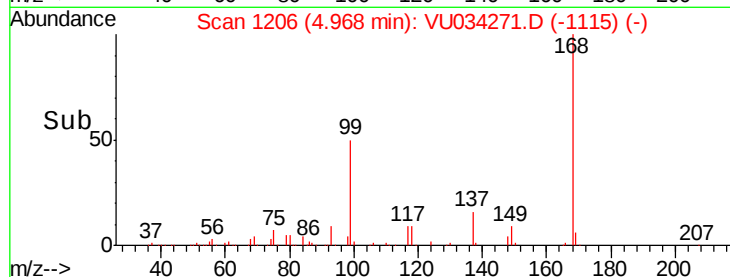
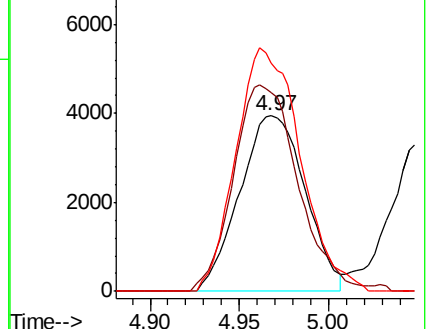
84 129.6 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034271.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034271.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034271.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 1.306 ug/l

RT: 4.90 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

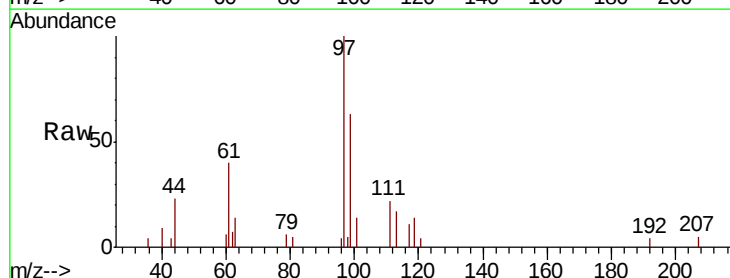
Tgt Ion: 97 Resp: 6487

Ion Ratio Lower Upper

97 100

99 0.0 50.9 76.3#

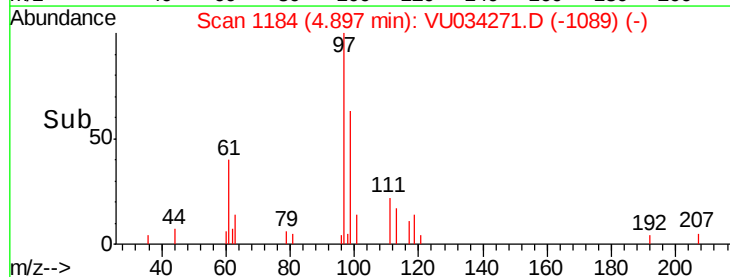
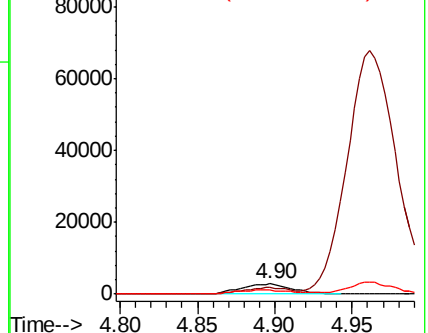
61 44.2 34.7 52.1

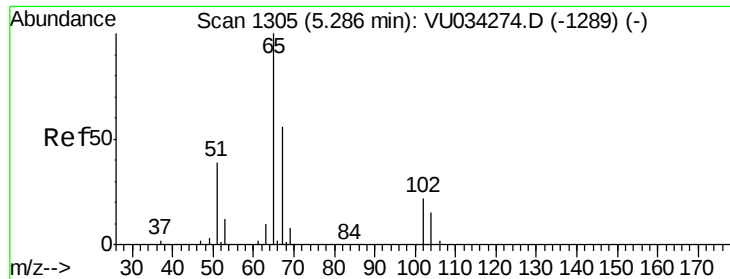


Abundance Ion 96.90 (96.60 to 97.60): VU034271.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU034271.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU034271.D (-1089) (-)

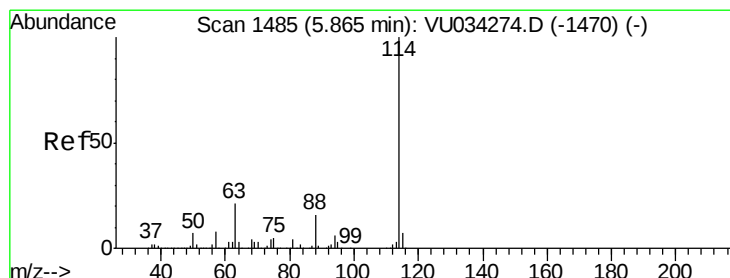
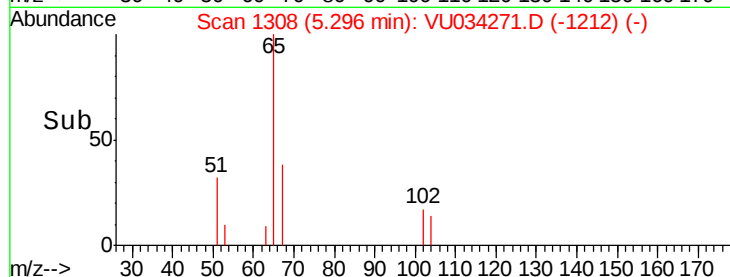
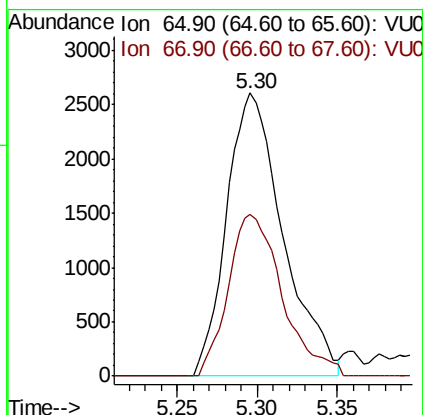
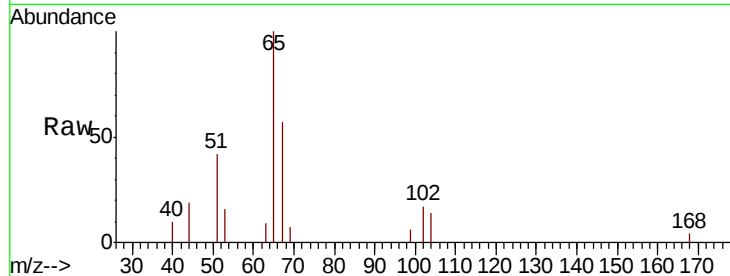




#33
 1,2-Dichloroethane-d4
 Concen: 1.615 ug/l
 RT: 5.30 min Scan# 1308
 Delta R.T. 0.01 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

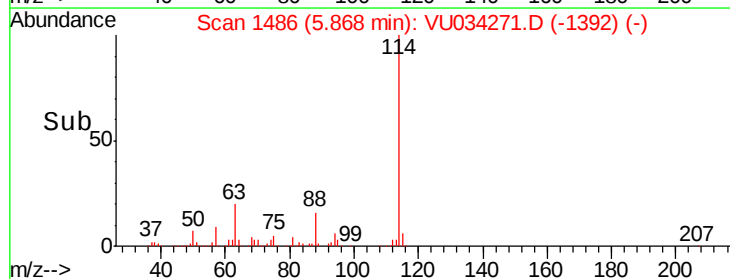
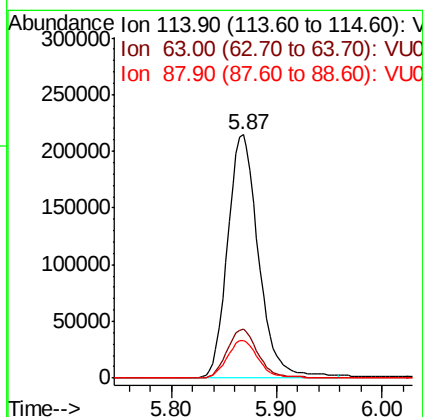
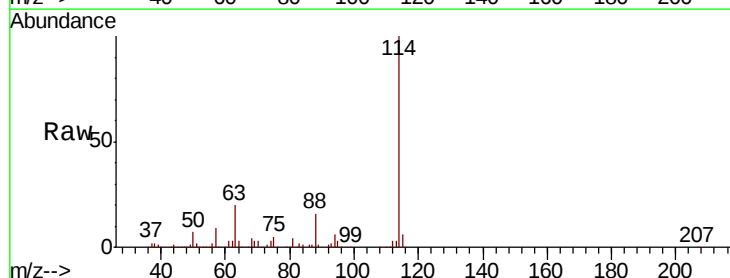
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

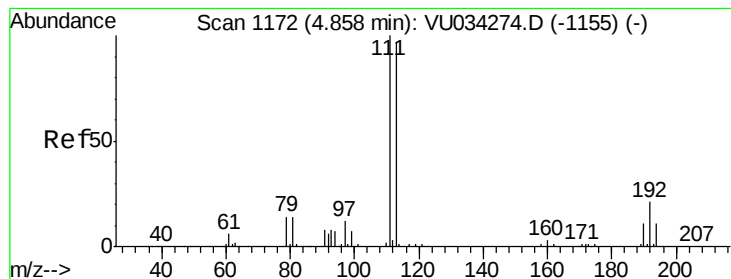
Tgt Ion: 65 Resp: 6300
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Tgt Ion: 114 Resp: 436974
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.4
 88 15.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 1.942 ug/l

RT: 4.86 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

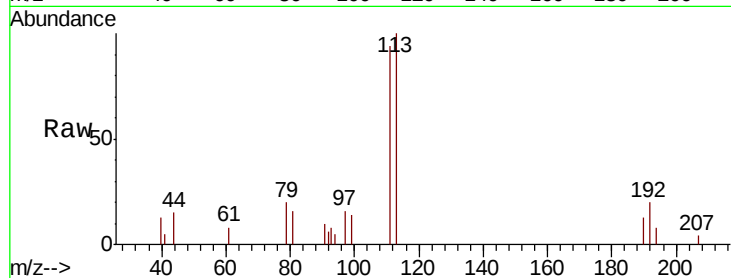
Tgt Ion: 113 Resp: 6222

Ion Ratio Lower Upper

113 100

111 99.6 81.5 122.3

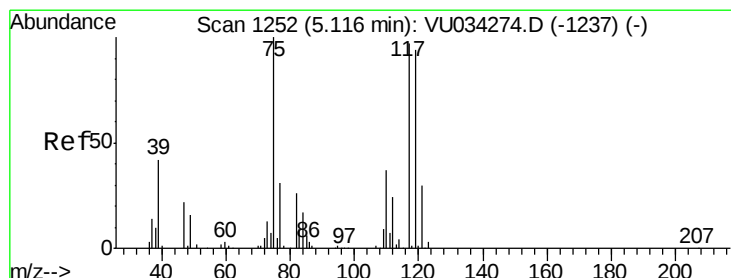
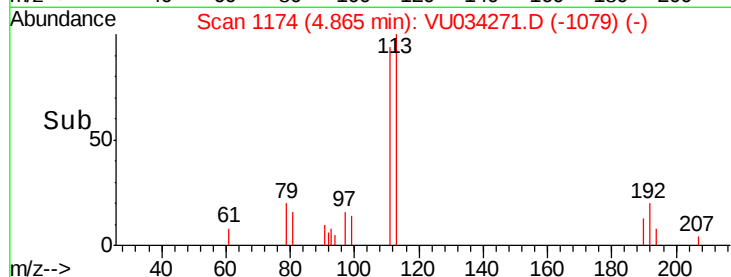
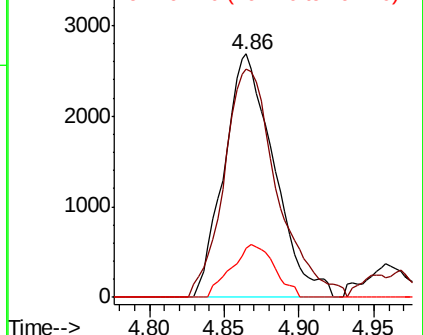
192 18.7 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1.288 ug/l

RT: 5.12 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

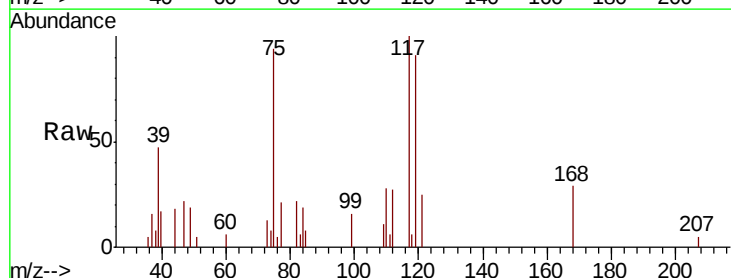
Tgt Ion: 75 Resp: 5332

Ion Ratio Lower Upper

75 100

110 31.0 18.3 54.9

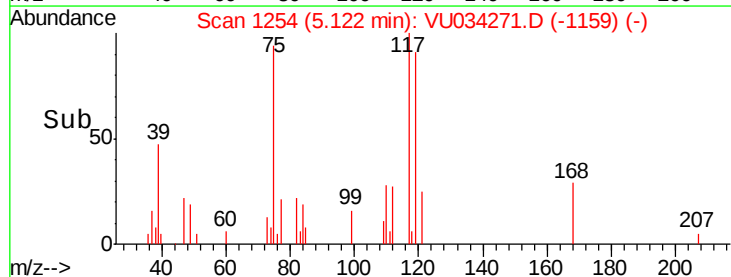
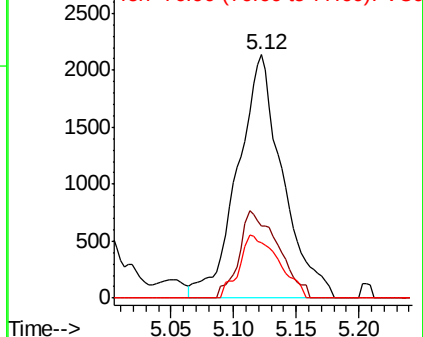
77 22.6 24.9 37.3#

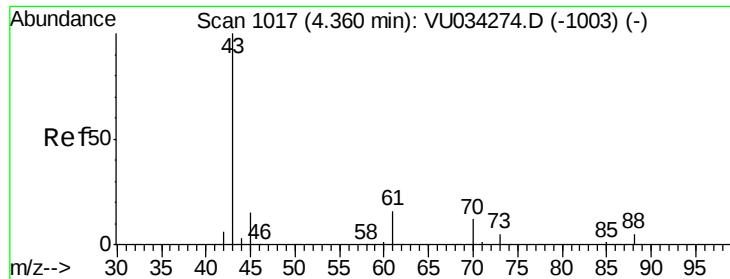


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 0.346 ug/l

RT: 4.38 min Scan# 1024

Delta R.T. 0.02 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

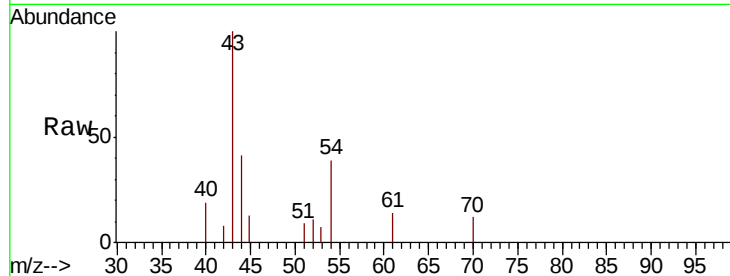
Tgt Ion: 43 Resp: 1625

Ion Ratio Lower Upper

43 100

61 14.8 12.3 18.5

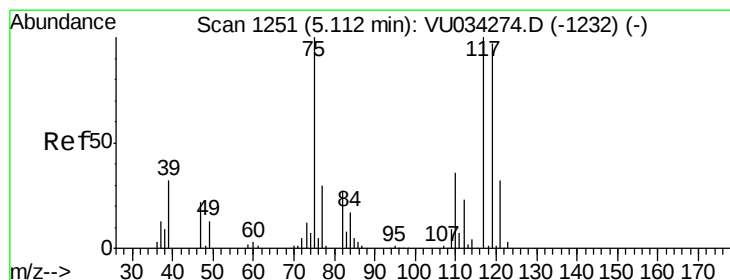
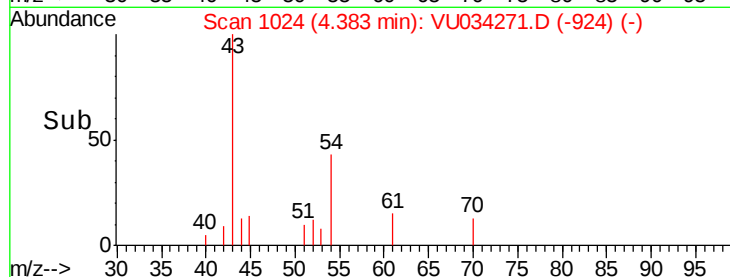
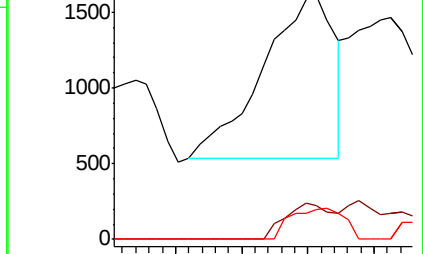
70 14.1 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VU034271.D (-1024) (-)

Ion 60.90 (60.60 to 61.60): VU034271.D (-1024) (-)

Ion 70.00 (69.70 to 70.70): VU034271.D (-1024) (-)



#38

Carbon Tetrachloride

Concen: 1.458 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

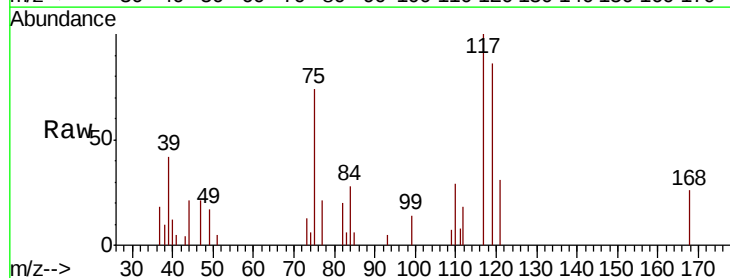
Tgt Ion: 117 Resp: 5931

Ion Ratio Lower Upper

117 100

119 86.2 77.8 116.6

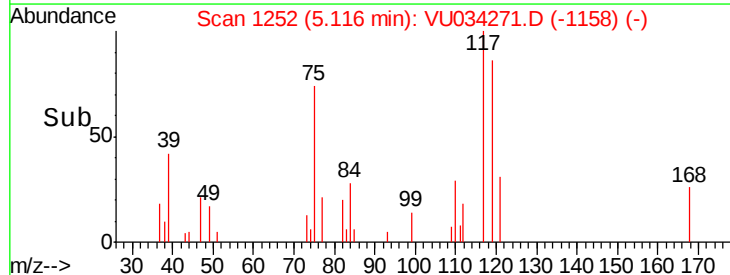
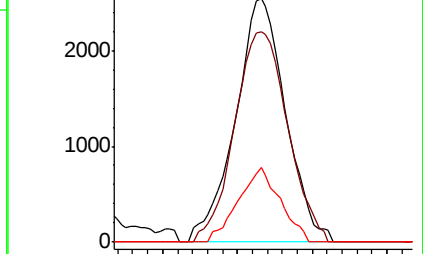
121 30.5 25.2 37.8



Abundance Ion 116.80 (116.50 to 117.50): VU034271.D (-1252) (-)

Ion 118.80 (118.50 to 119.50): VU034271.D (-1252) (-)

Ion 120.80 (120.50 to 121.50): VU034271.D (-1252) (-)

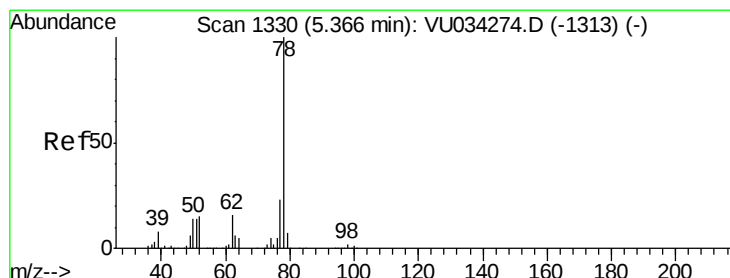
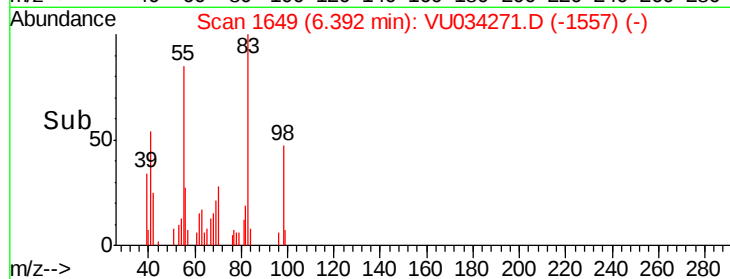
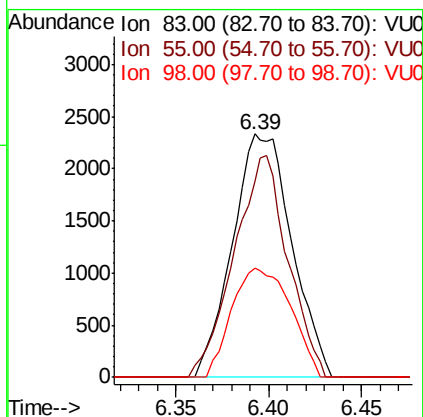
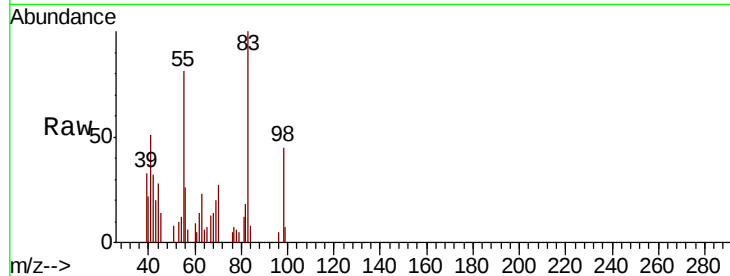




#39
Methylcyclohexane
Concen: 1.082 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

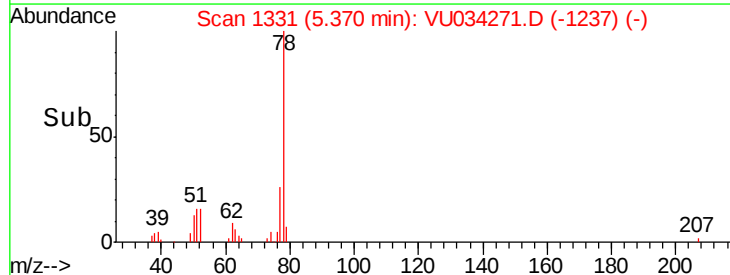
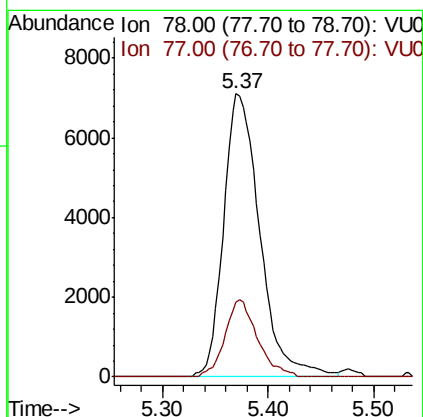
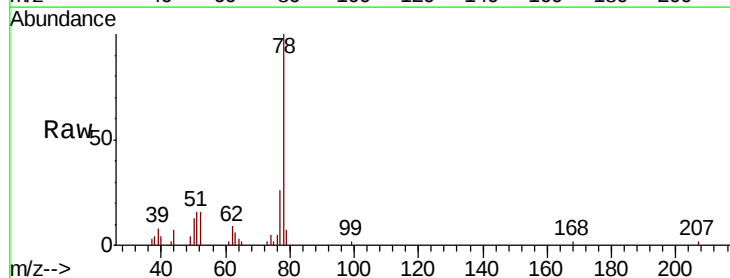
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

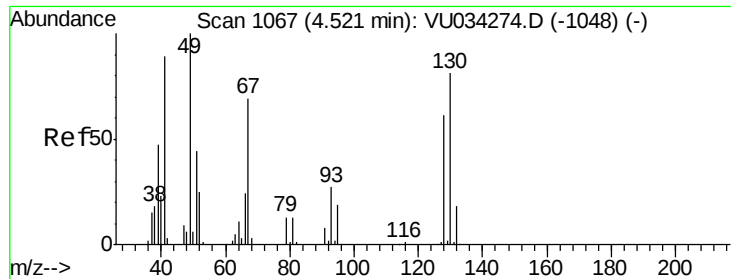
Tgt Ion: 83 Resp: 5187
Ion Ratio Lower Upper
83 100
55 80.8 62.1 93.1
98 44.9 37.0 55.6



#40
Benzene
Concen: 1.331 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

Tgt Ion: 78 Resp: 16890
Ion Ratio Lower Upper
78 100
77 26.4 18.7 28.1

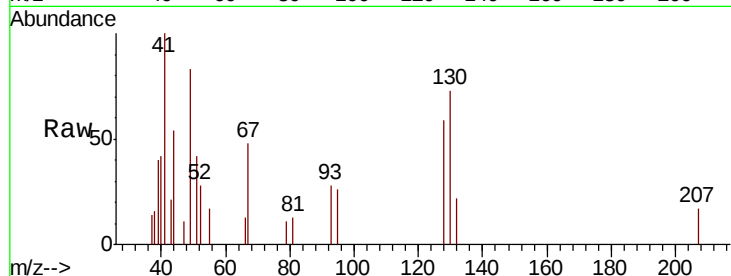




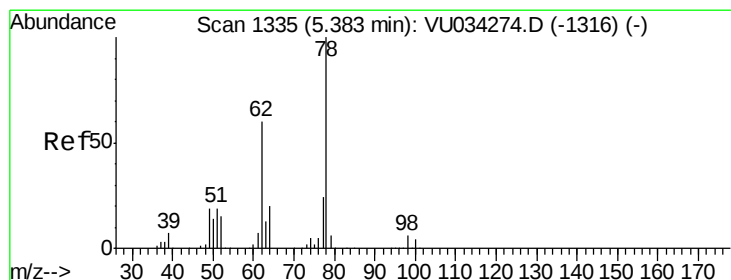
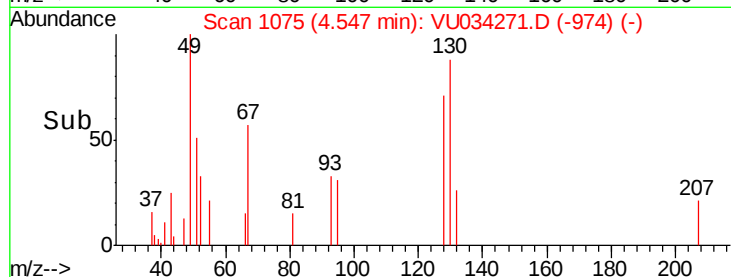
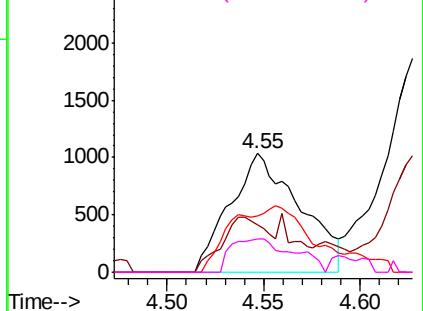
#41
Methacrylonitrile
Concen: 1.068 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.03 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 41 Resp: 2602
Ion Ratio Lower Upper
41 100
39 30.9 41.0 61.4#
67 21.1 62.4 93.6#
52 25.1 23.6 35.4

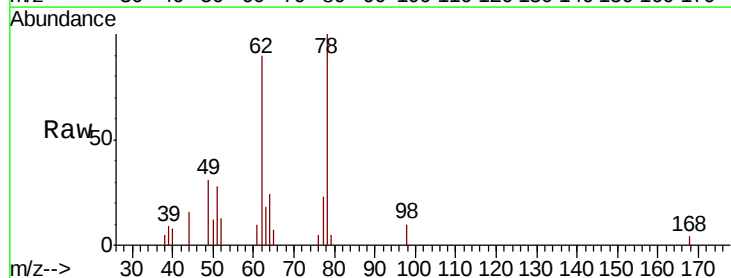


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

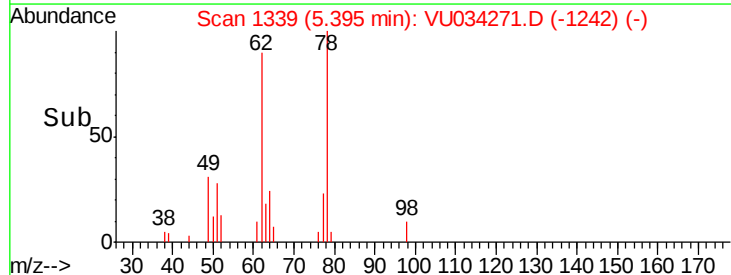
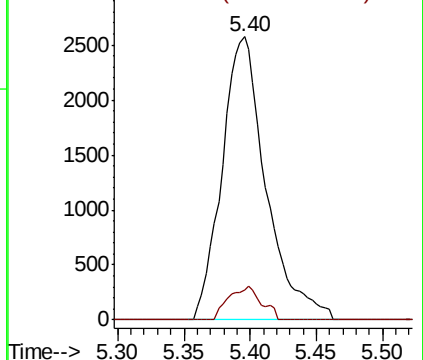


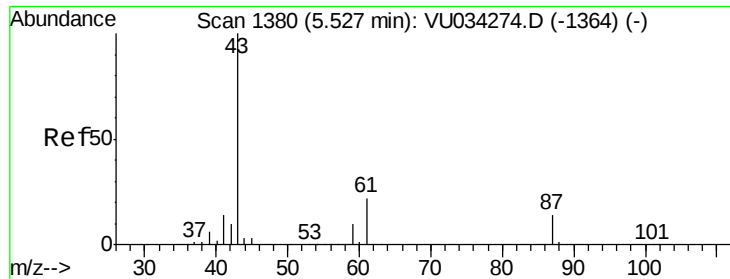
#42
1,2-Dichloroethane
Concen: 1.358 ug/l
RT: 5.40 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

Tgt Ion: 62 Resp: 5946
Ion Ratio Lower Upper
62 100
98 8.9 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: 1.162 ug/l

RT: 5.54 min Scan# 1384

Delta R.T. 0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

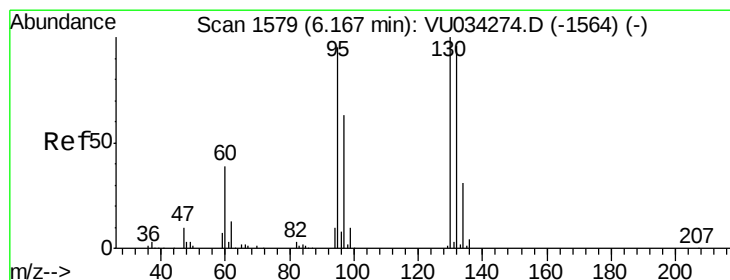
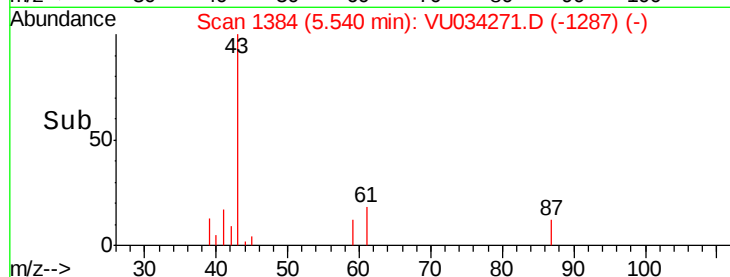
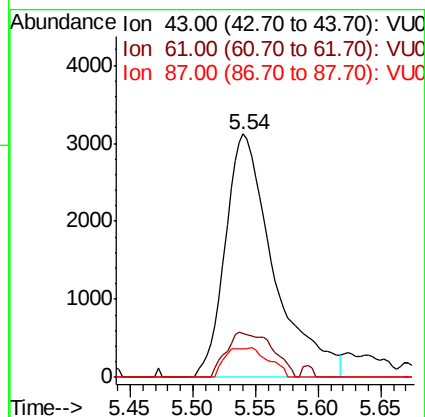
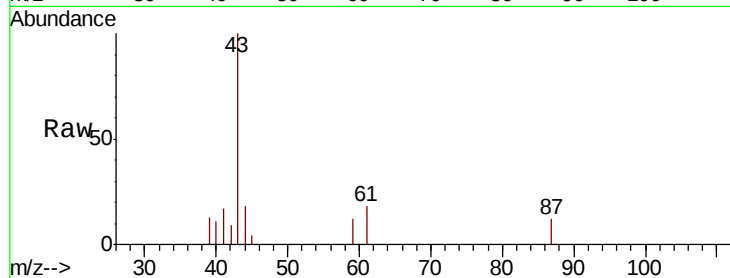
Tgt Ion: 43 Resp: 8352

Ion Ratio Lower Upper

43 100

61 17.7 17.1 25.7

87 4.0 11.1 16.7#



#44

Trichloroethene

Concen: 1.375 ug/l

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VU034271.D

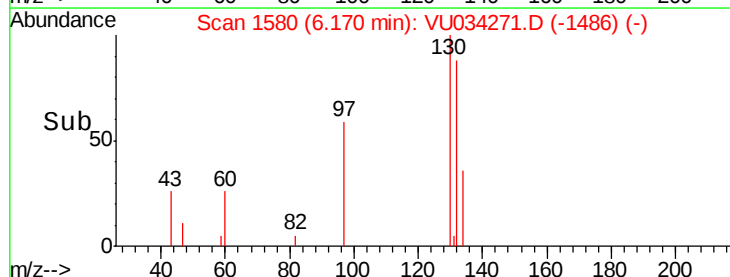
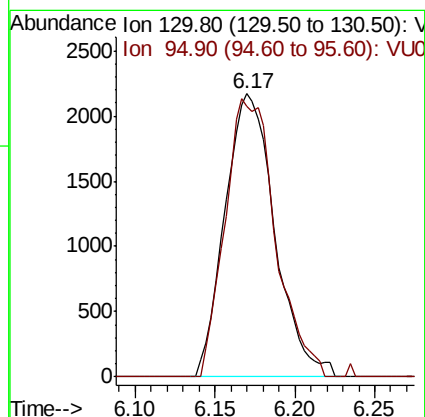
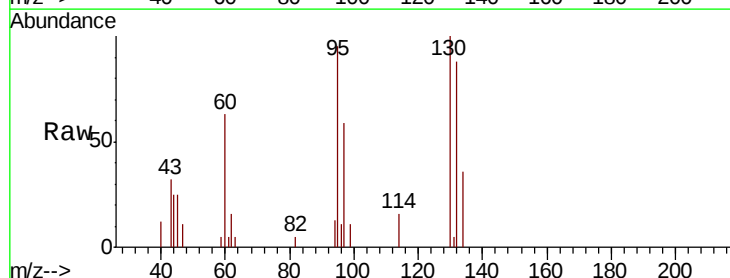
Acq: 05 Sep 2019 09:14

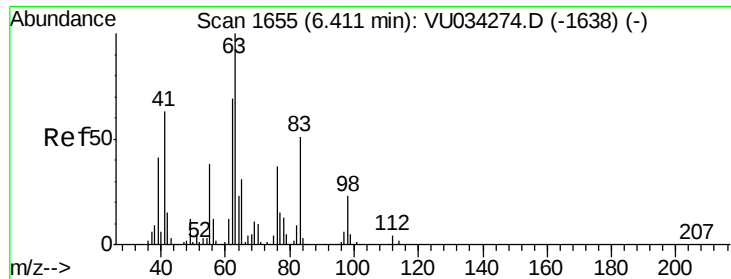
Tgt Ion: 130 Resp: 4630

Ion Ratio Lower Upper

130 100

95 95.4 0.0 189.2





#45

1,2-Dichloropropane

Concen: 1.372 ug/l

RT: 6.42 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

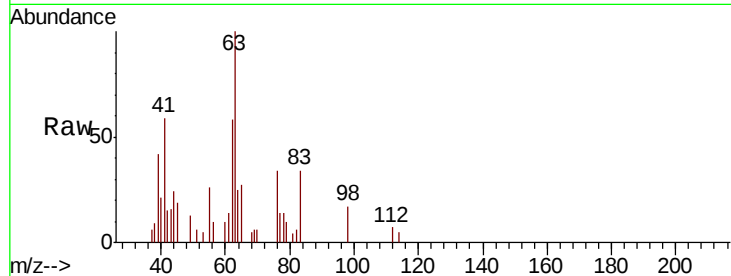
VSTDIC001

Tgt Ion: 63 Resp: 4838

Ion Ratio Lower Upper

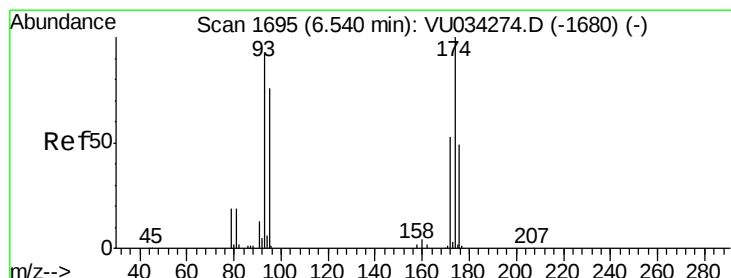
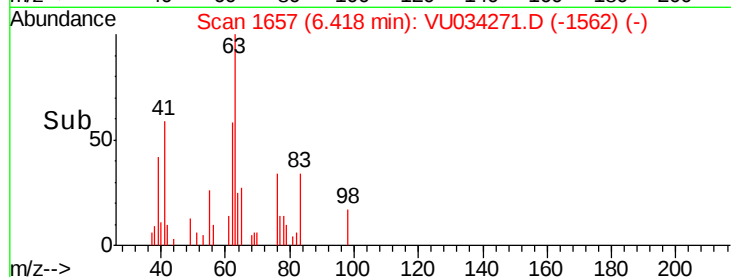
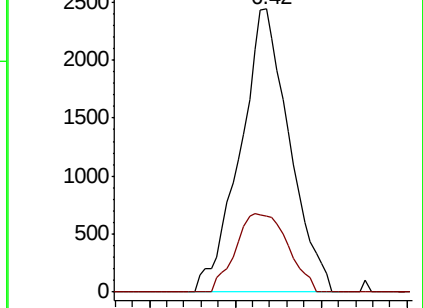
63 100

65 26.9 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VU034271.D (-1638) (-)

Ion 64.90 (64.60 to 65.60): VU034271.D (-1638) (-)



#46

Dibromomethane

Concen: 1.297 ug/l

RT: 6.55 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

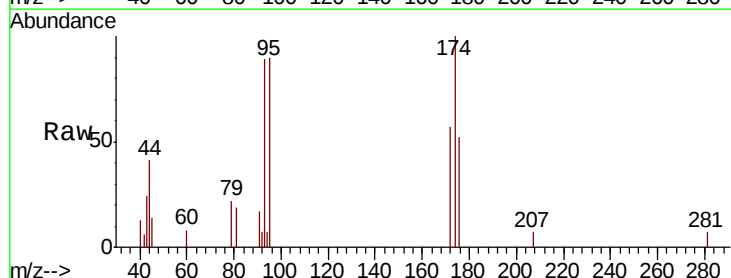
Tgt Ion: 93 Resp: 2944

Ion Ratio Lower Upper

93 100

95 92.9 66.5 99.7

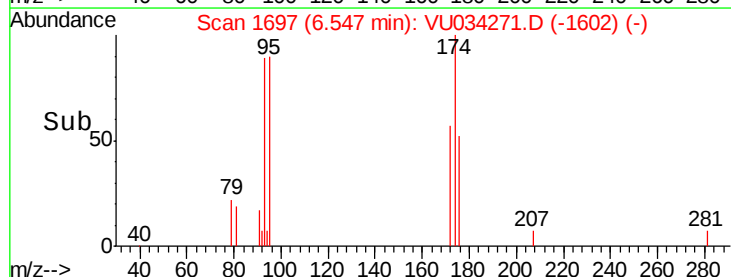
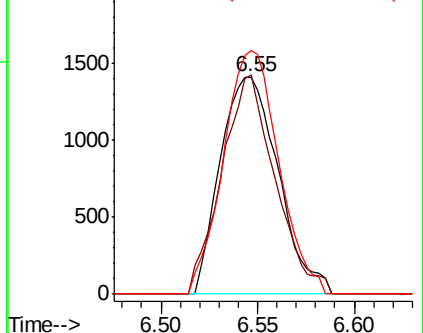
174 106.9 87.8 131.6

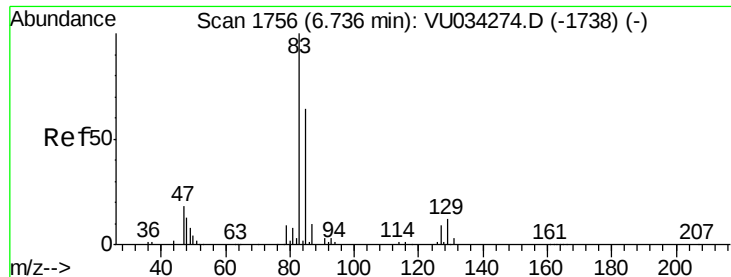


Abundance Ion 92.80 (92.50 to 93.50): VU034271.D (-1602) (-)

Ion 94.80 (94.50 to 95.50): VU034271.D (-1602) (-)

Ion 173.70 (173.40 to 174.40): VU034271.D (-1602) (-)

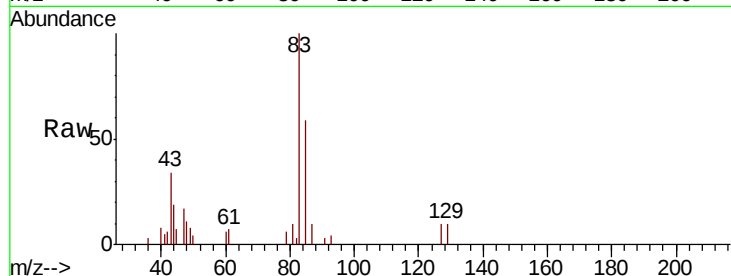




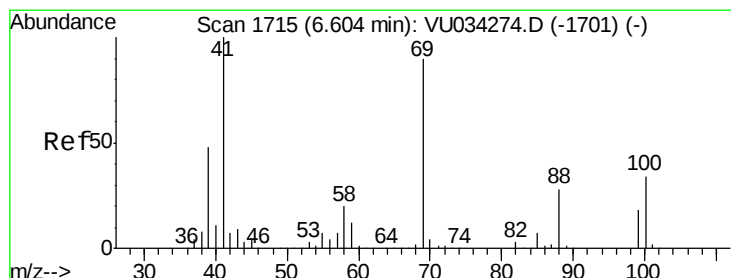
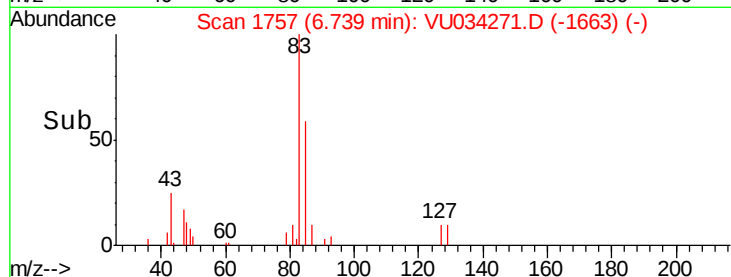
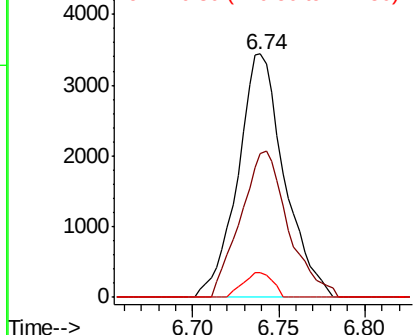
#47
 Bromodichloromethane
 Concen: 1.440 ug/l
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 83 Resp: 6445
 Ion Ratio Lower Upper
 83 100
 85 59.2 51.1 76.7
 127 10.2 7.2 10.8

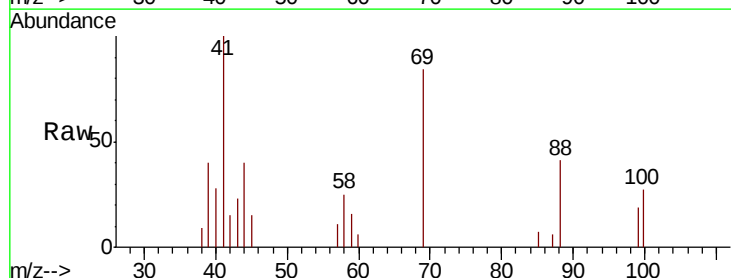


Abundance Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 126.80 (126.50 to 127.50): V

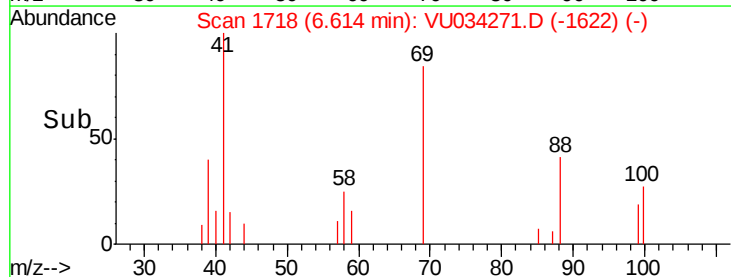
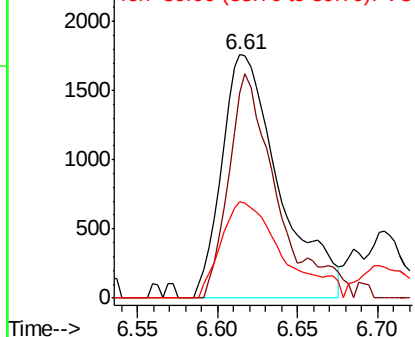


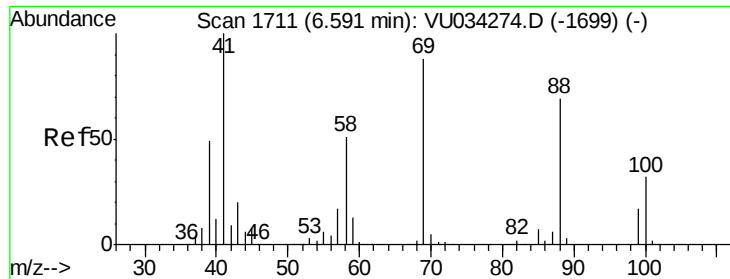
#48
 Methyl methacrylate
 Concen: 1.261 ug/l
 RT: 6.61 min Scan# 1718
 Delta R.T. 0.01 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Tgt Ion: 41 Resp: 4342
 Ion Ratio Lower Upper
 41 100
 69 68.3 72.8 109.2#
 39 42.1 38.6 58.0



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

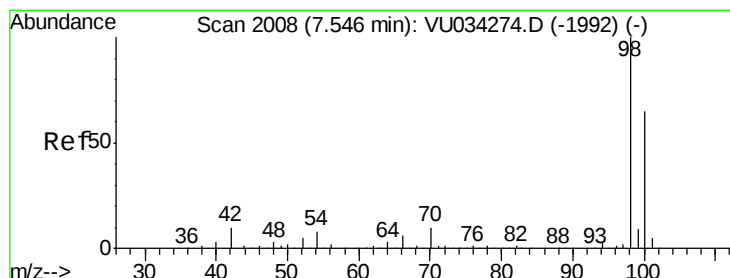
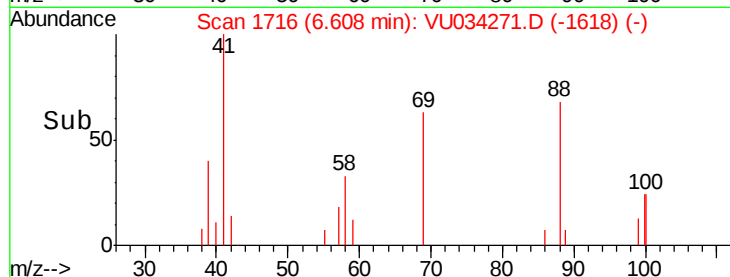
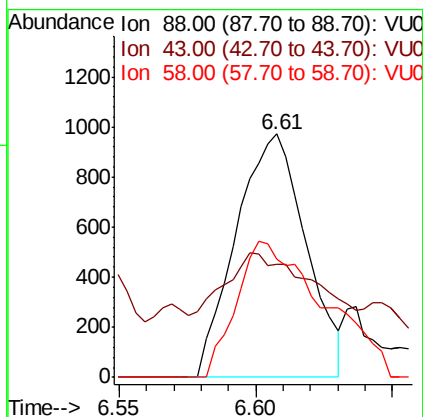
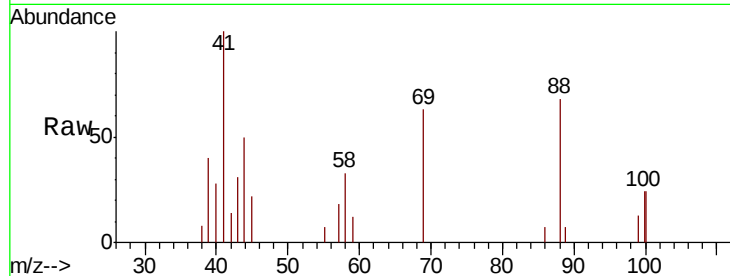




#49
1,4-Dioxane
Concen: 20.407 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. 0.02 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

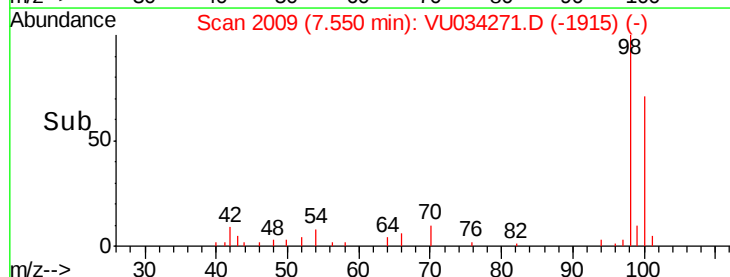
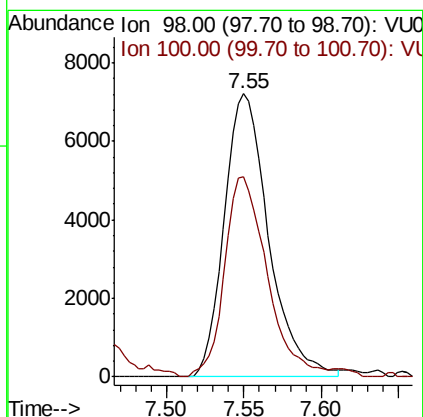
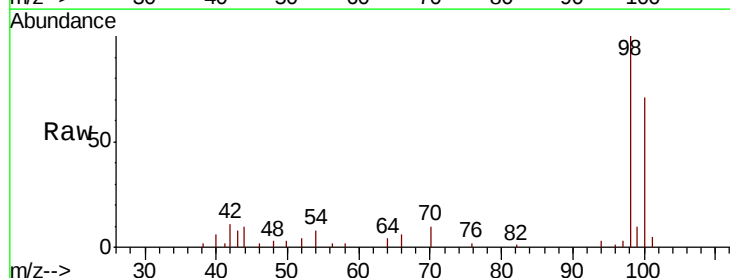
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

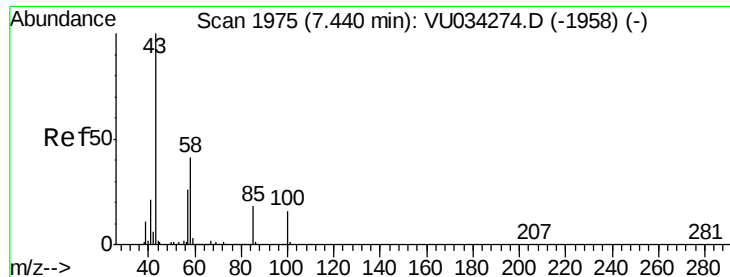
Tgt Ion: 88 Resp: 1725
Ion Ratio Lower Upper
88 100
43 28.0 23.8 35.6
58 70.1 58.4 87.6



#50
Toluene-d8
Concen: 1.189 ug/l
RT: 7.55 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

Tgt Ion: 98 Resp: 14353
Ion Ratio Lower Upper
98 100
100 67.8 51.7 77.5

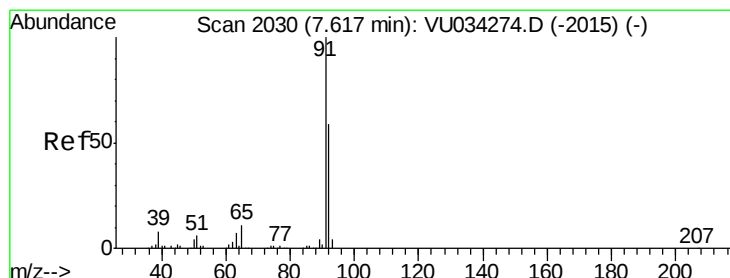
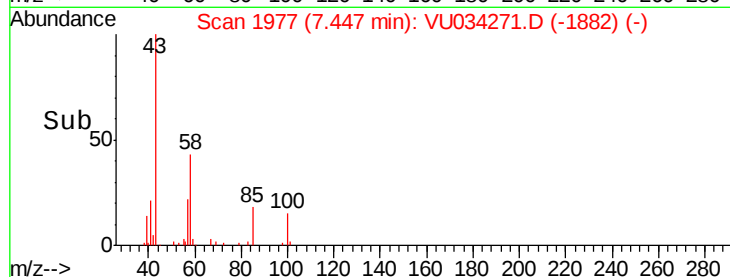
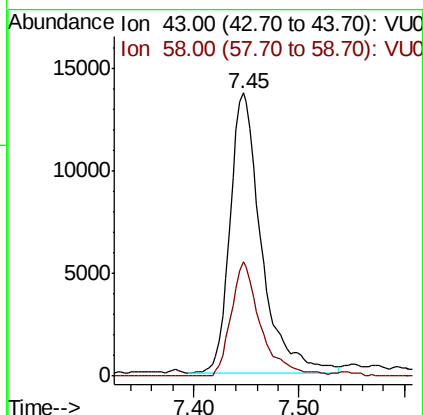
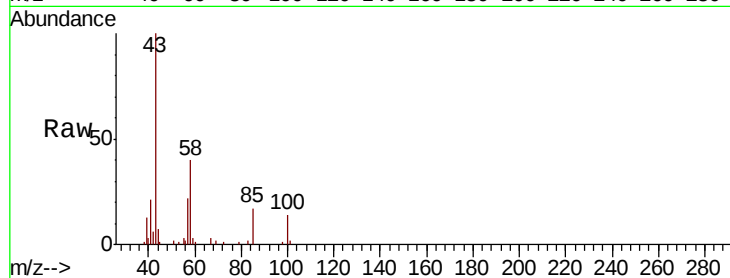




#51
 4-Methyl-2-Pentanone
 Concen: 5.688 ug/l
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.01 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

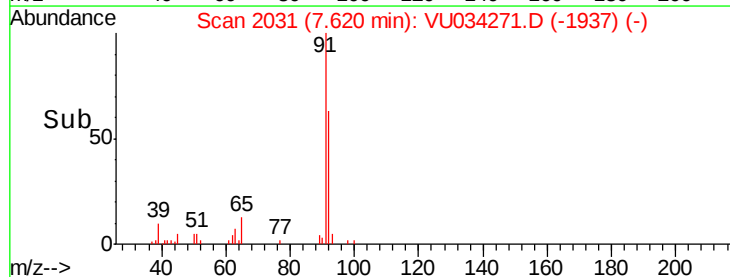
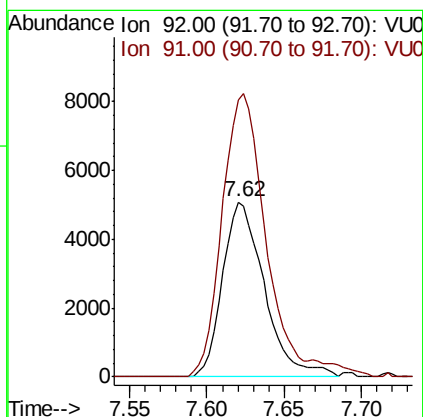
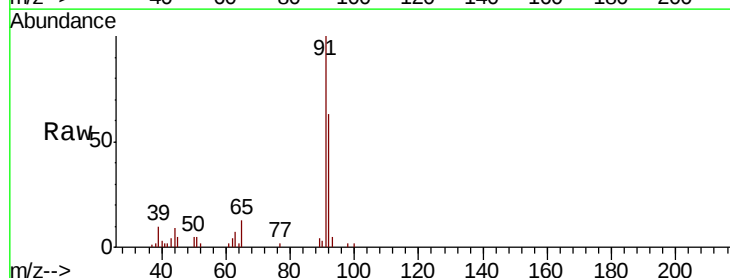
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

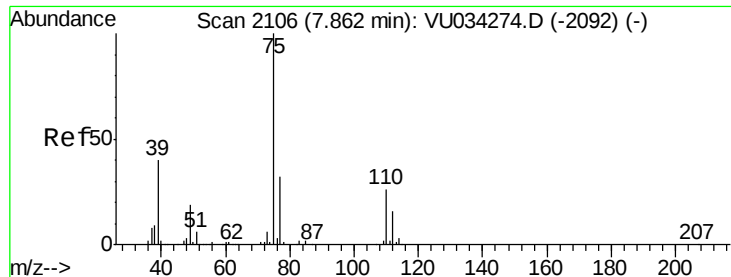
Tgt Ion: 43 Resp: 28329
 Ion Ratio Lower Upper
 43 100
 58 37.2 33.0 49.4



#52
 Toluene
 Concen: 1.212 ug/l
 RT: 7.62 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Tgt Ion: 92 Resp: 9527
 Ion Ratio Lower Upper
 92 100
 91 172.5 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 1.193 ug/l

RT: 7.87 min Scan# 2110

Delta R.T. 0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

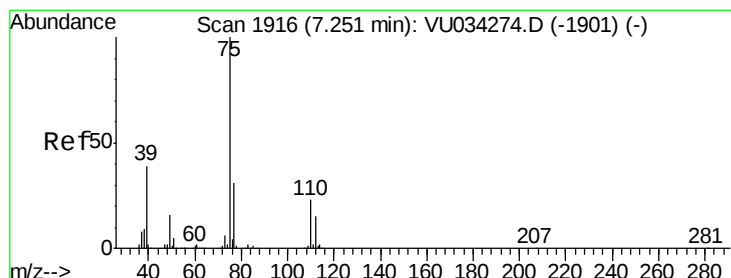
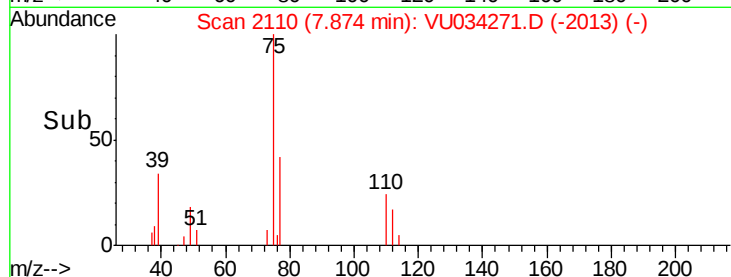
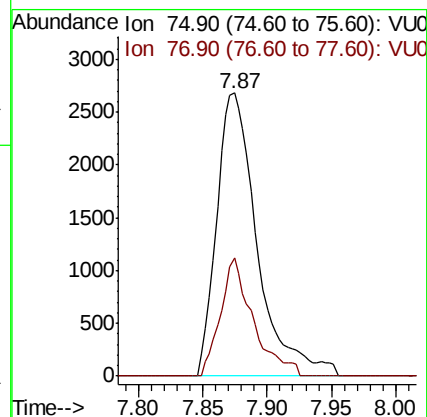
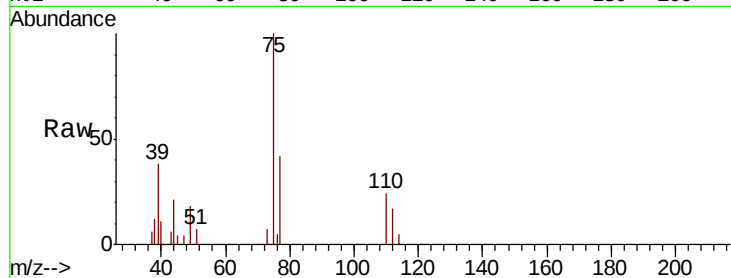
VSTDIC001

Tgt Ion: 75 Resp: 5855

Ion Ratio Lower Upper

75 100

77 41.8 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 1.175 ug/l

RT: 7.25 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

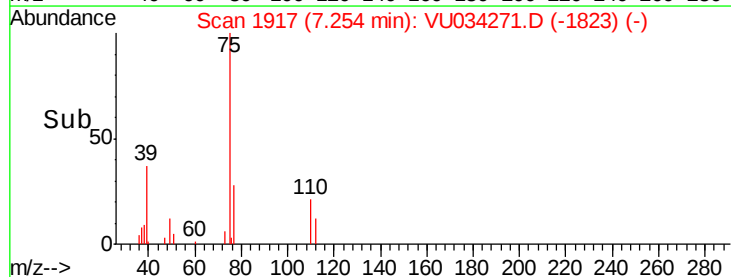
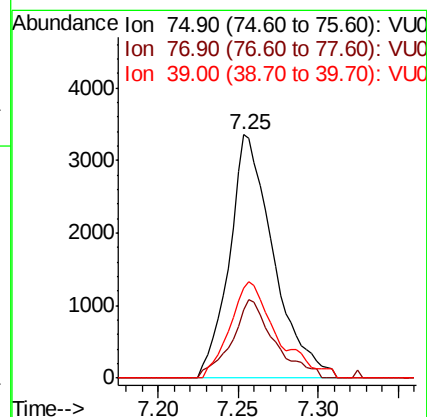
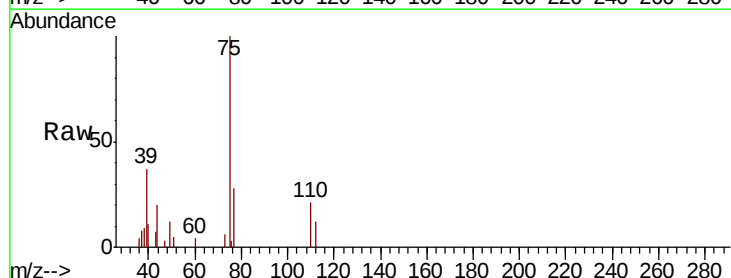
Tgt Ion: 75 Resp: 6319

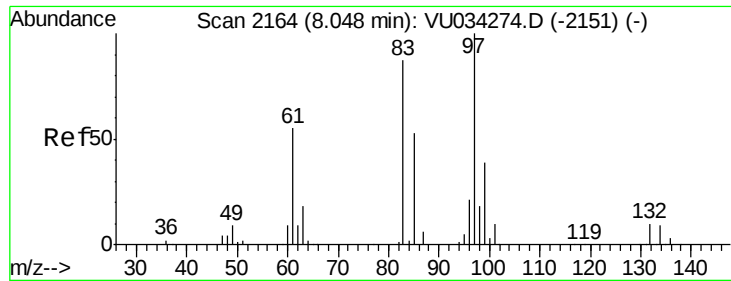
Ion Ratio Lower Upper

75 100

77 28.1 25.1 37.7

39 37.1 31.2 46.8

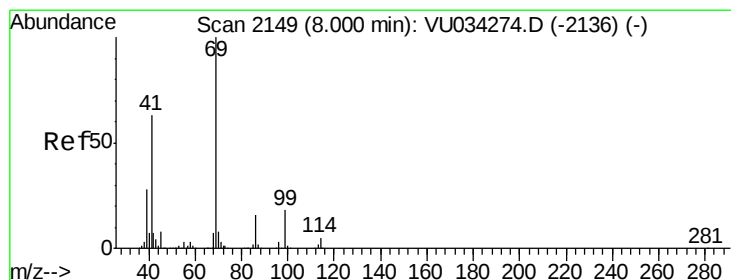
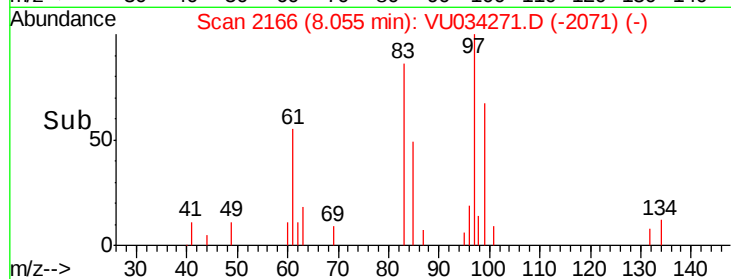
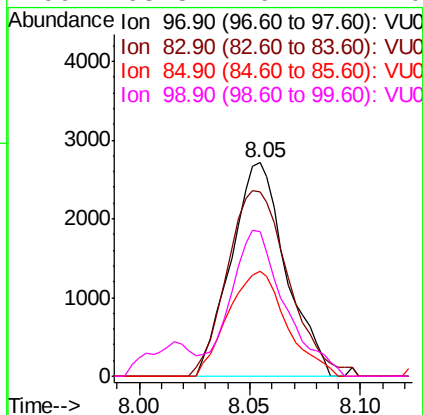
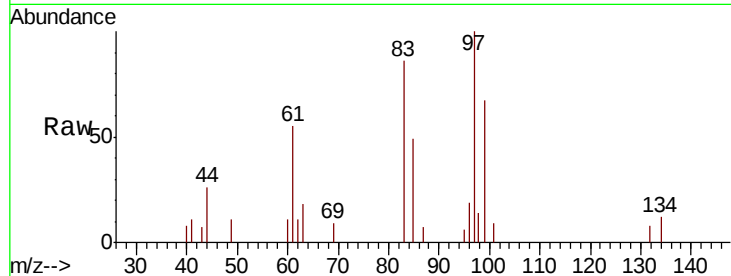




#55
 1,1,2-Trichloroethane
 Concen: 1.385 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

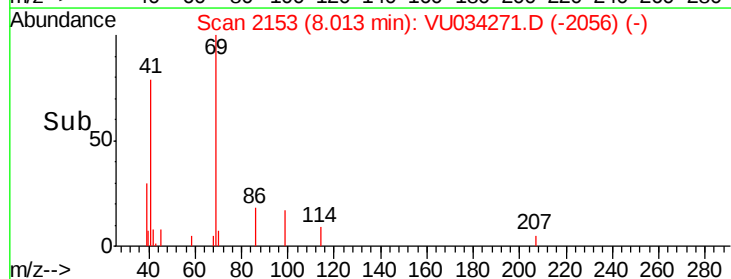
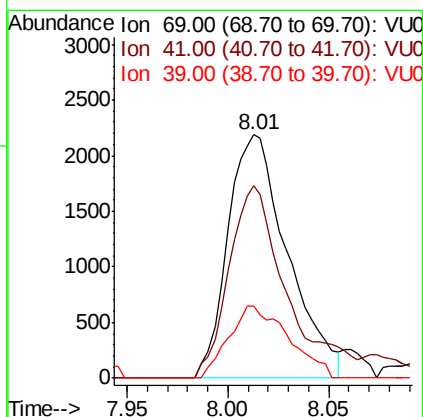
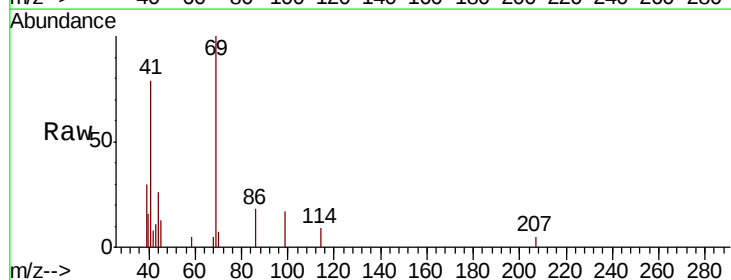
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 97 Resp: 4669
 Ion Ratio Lower Upper
 97 100
 83 86.1 69.0 103.6
 85 49.4 44.2 66.2
 99 63.8 49.4 74.0



#56
 Ethyl methacrylate
 Concen: 0.907 ug/l
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.01 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Tgt Ion: 69 Resp: 4513
 Ion Ratio Lower Upper
 69 100
 41 76.4 49.5 74.3#
 39 29.6 22.5 33.7





#57

1,3-Dichloropropane

Concen: 1.290 ug/l

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

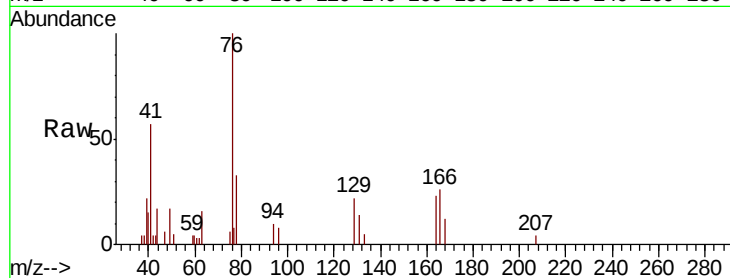
VSTDIC001

Tgt Ion: 76 Resp: 7326

Ion Ratio Lower Upper

76 100

78 34.9 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU034274.D (-2204) (-)

Ion 77.90 (77.60 to 78.60): VU034274.D (-2204) (-)

8.23

4000

3000

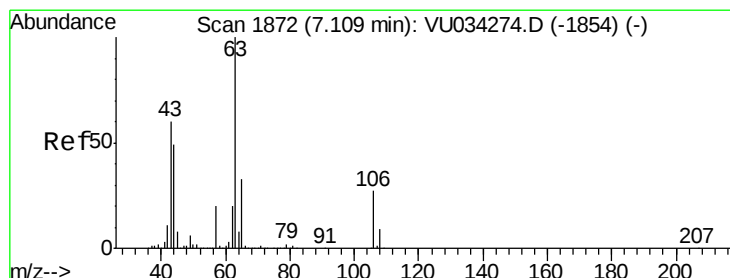
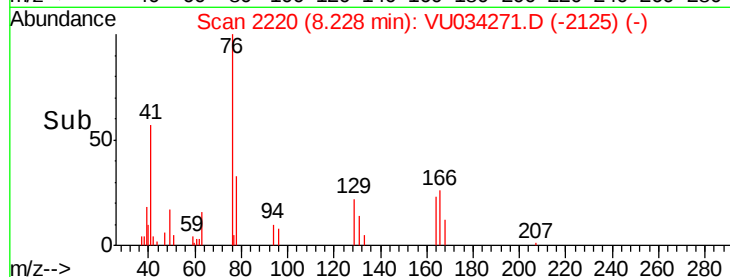
2000

1000

0

8.15 8.20 8.25 8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 3.801 ug/l

RT: 7.12 min Scan# 1875

Delta R.T. 0.01 min

Lab File: VU034271.D

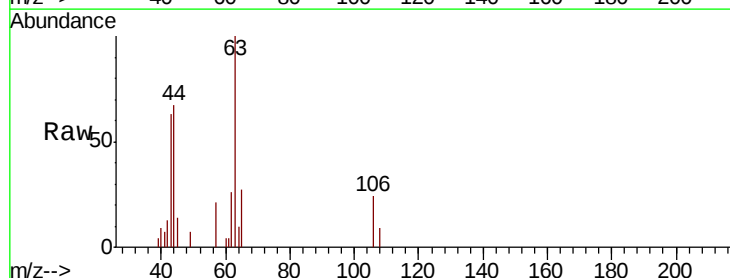
Acq: 05 Sep 2019 09:14

Tgt Ion: 63 Resp: 6826

Ion Ratio Lower Upper

63 100

106 24.3 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU034274.D (-1854) (-)

Ion 105.90 (105.60 to 106.60): VU034274.D (-1854) (-)

7.12

4000

3000

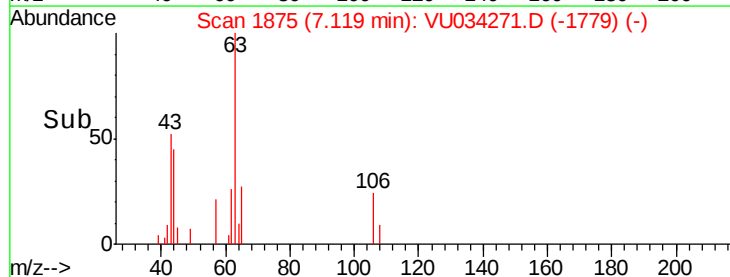
2000

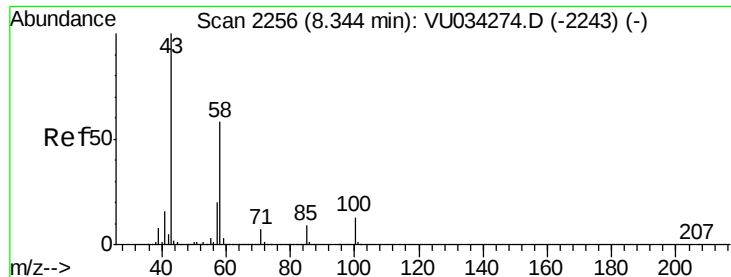
1000

0

7.05 7.10 7.15 7.20 7.25

Time-->

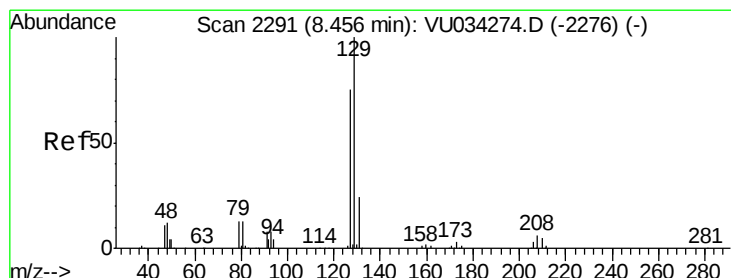
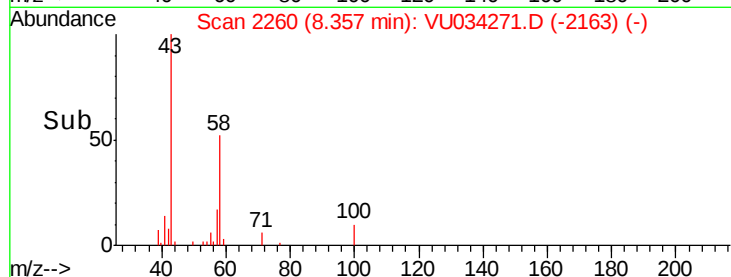
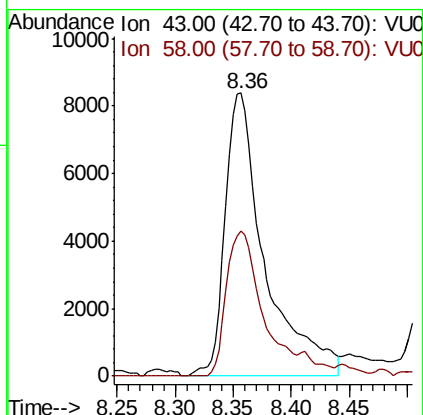
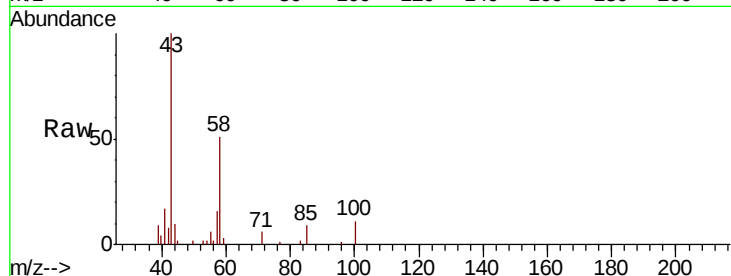




#59
2-Hexanone
Concen: 5.321 ug/l
RT: 8.36 min Scan# 2260
Delta R.T. 0.01 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

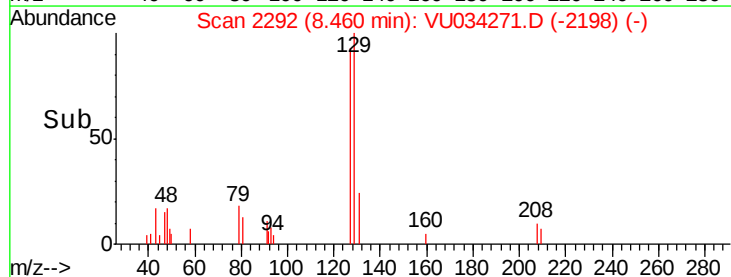
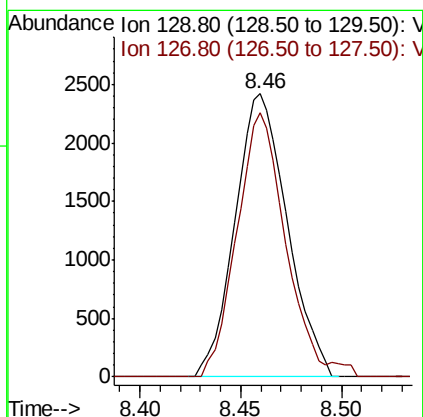
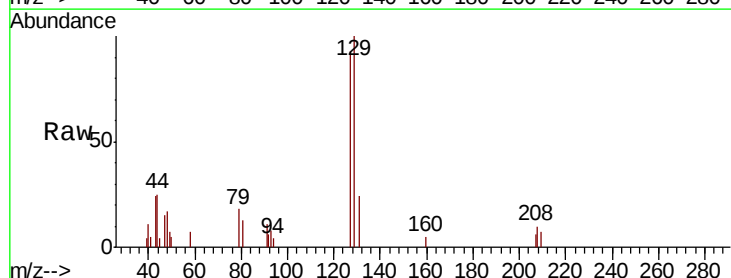
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 19981
Ion Ratio Lower Upper
43 100
58 45.5 28.8 86.5



#60
Dibromochloromethane
Concen: 1.205 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

Tgt Ion: 129 Resp: 4375
Ion Ratio Lower Upper
129 100
127 87.7 37.9 113.7





#61

1,2-Dibromoethane

Concen: 1.206 ug/l

RT: 8.58 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

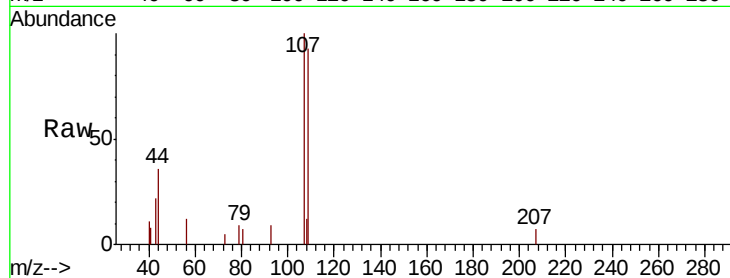
VSTDIC001

Tgt Ion: 107 Resp: 4235

Ion Ratio Lower Upper

107 100

109 95.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

2500

2000

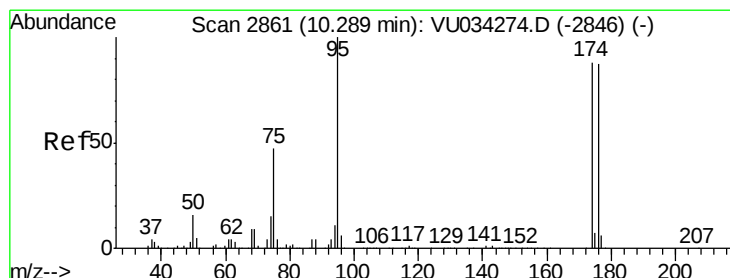
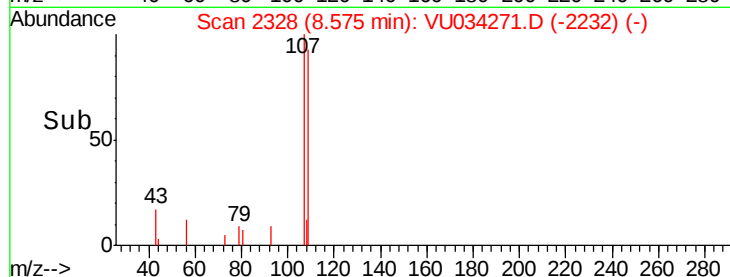
1500

1000

500

0

Time--> 8.50 8.55 8.60



#62

4-Bromofluorobenzene

Concen: 1.449 ug/l

RT: 10.30 min Scan# 2863

Delta R.T. 0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

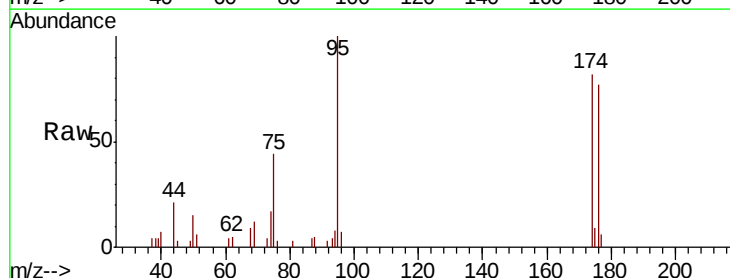
Tgt Ion: 95 Resp: 6769

Ion Ratio Lower Upper

95 100

174 87.5 0.0 175.2

176 83.1 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

5000

4000

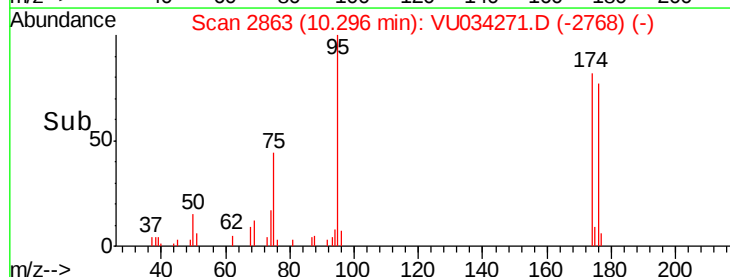
3000

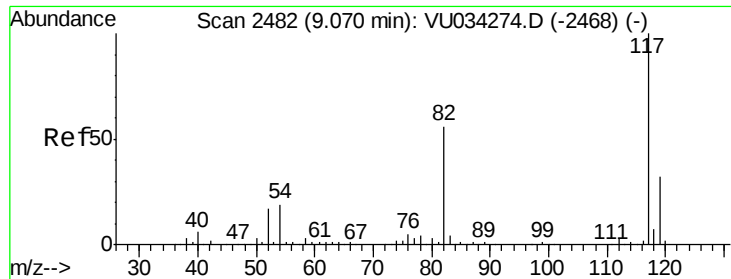
2000

1000

0

Time--> 10.25 10.30 10.35

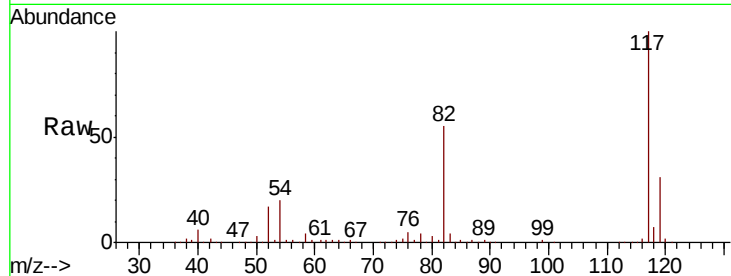




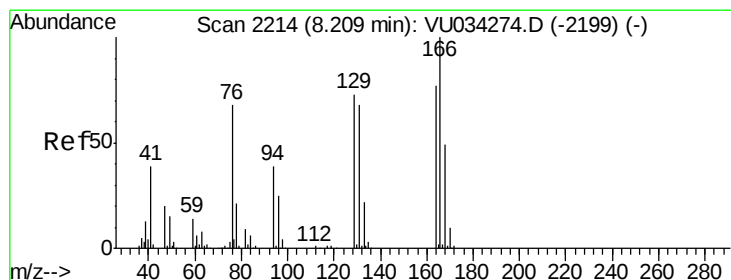
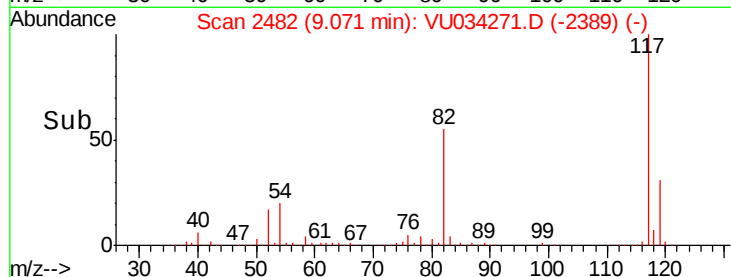
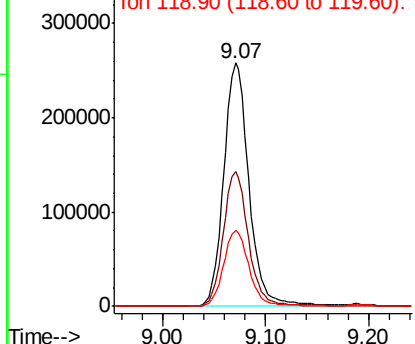
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 440694
Ion Ratio Lower Upper
117 100
82 55.3 44.6 67.0
119 31.4 25.9 38.9

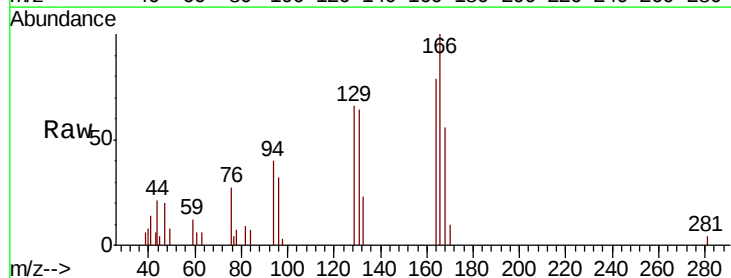


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU034271.D (-2389) (-)
Ion 118.90 (118.60 to 119.60): V

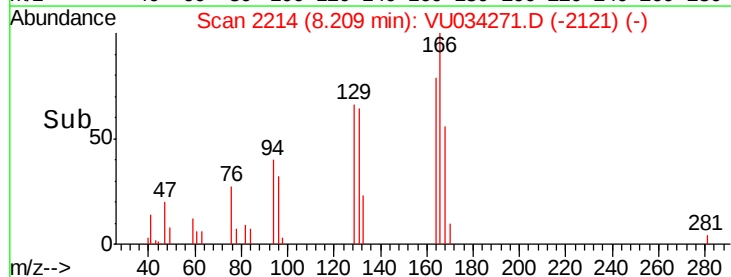
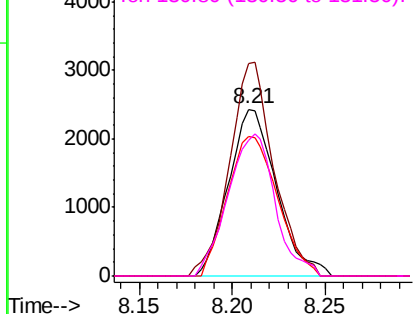


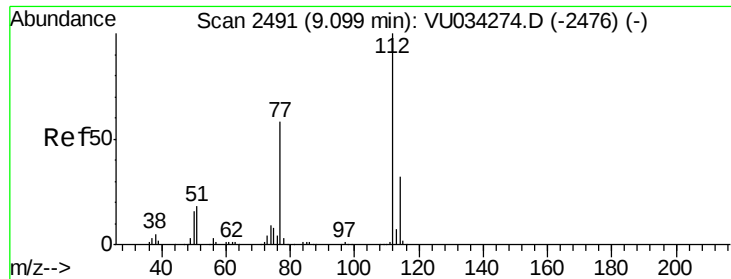
#64
Tetrachloroethene
Concen: 1.449 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

Tgt Ion:164 Resp: 4377
Ion Ratio Lower Upper
164 100
166 127.1 103.7 155.5
129 83.7 75.8 113.8
131 81.6 70.7 106.1



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





#65

Chlorobenzene

Concen: 1.233 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

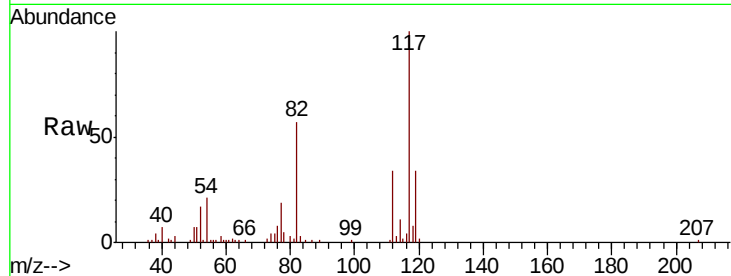
VSTDIC001

Tgt Ion:112 Resp: 11387

Ion Ratio Lower Upper

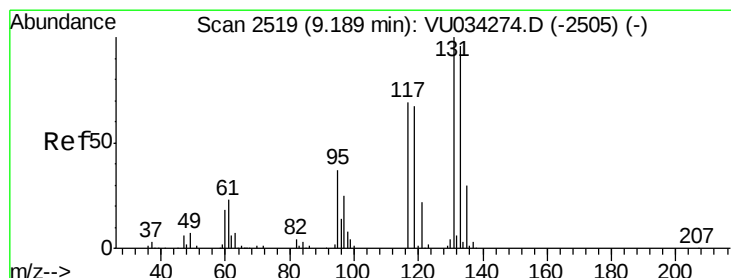
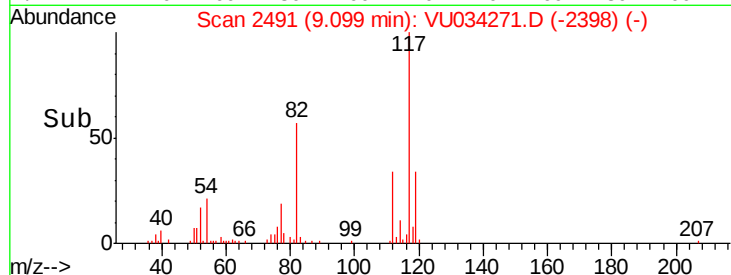
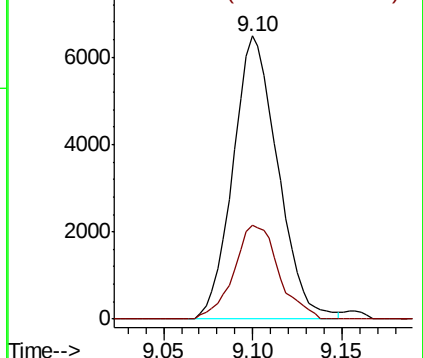
112 100

114 33.0 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 1.394 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

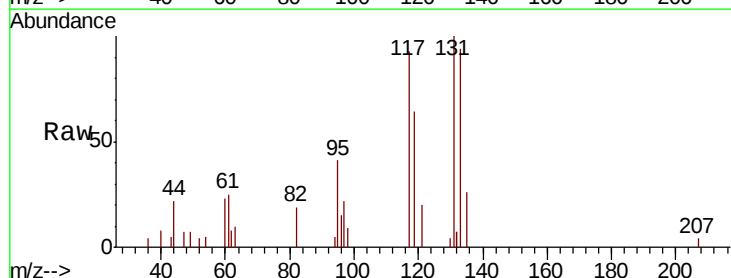
Tgt Ion:131 Resp: 4703

Ion Ratio Lower Upper

131 100

133 92.6 47.9 143.7

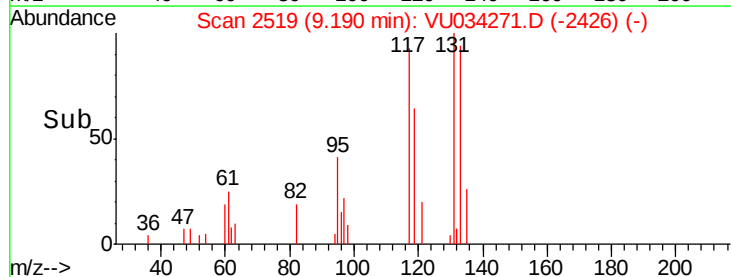
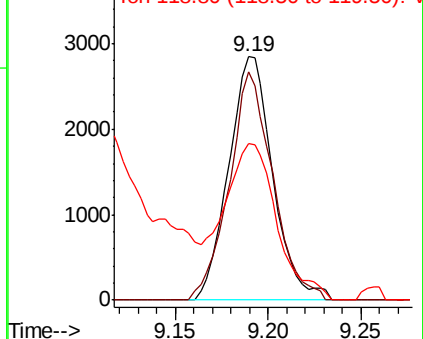
119 0.0 33.1 99.5#

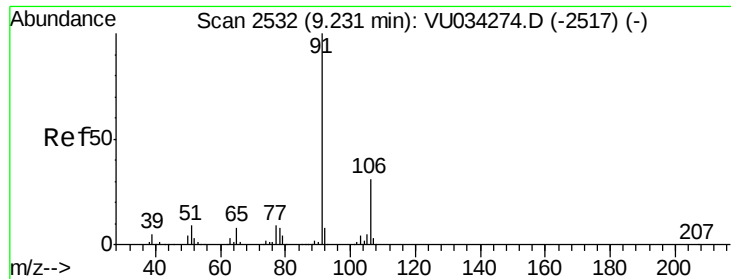


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 1.149 ug/l

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

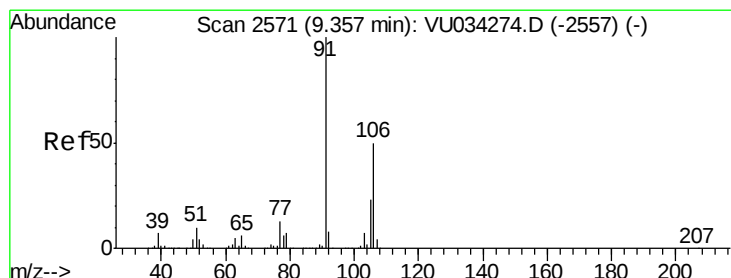
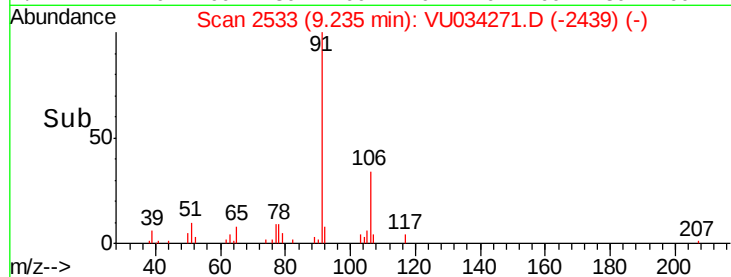
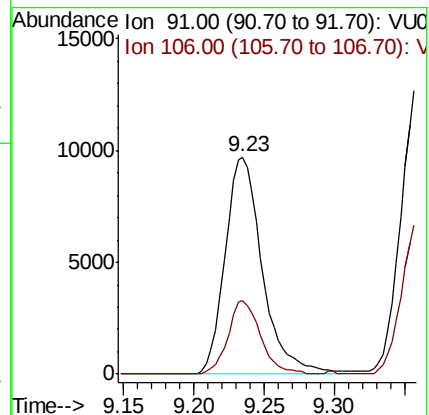
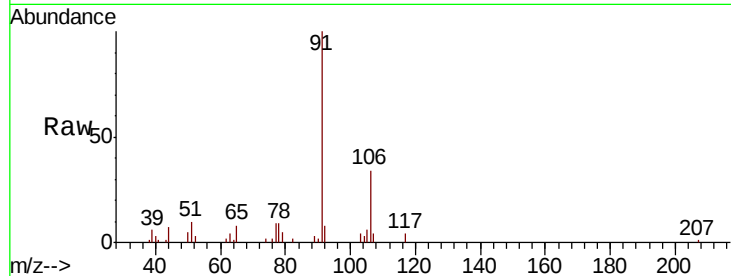
VSTDIC001

Tgt Ion: 91 Resp: 17851

Ion Ratio Lower Upper

91 100

106 33.9 24.8 37.2



#68

m/p-Xylenes

Concen: 2.016 ug/l

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU034271.D

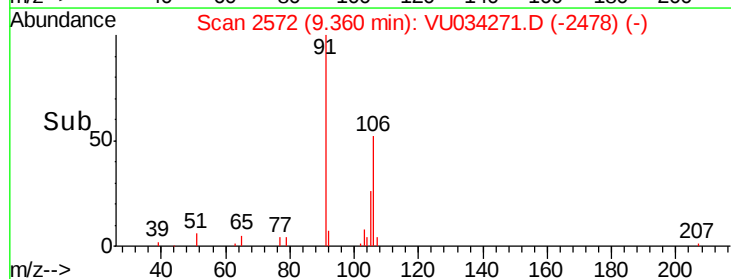
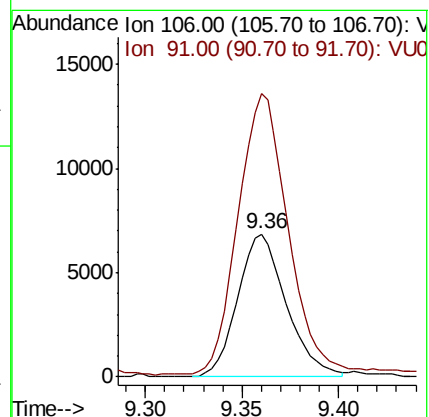
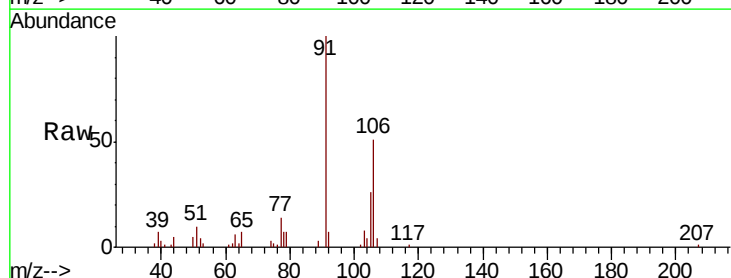
Acq: 05 Sep 2019 09:14

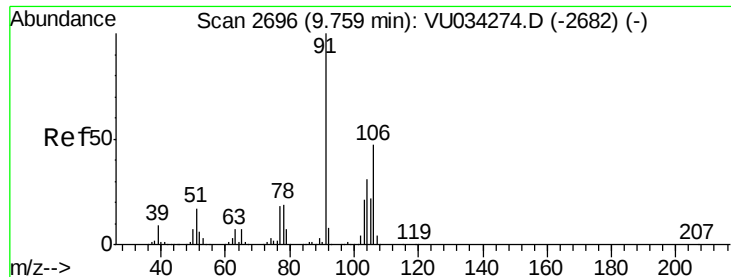
Tgt Ion: 106 Resp: 11955

Ion Ratio Lower Upper

106 100

91 208.9 160.1 240.1

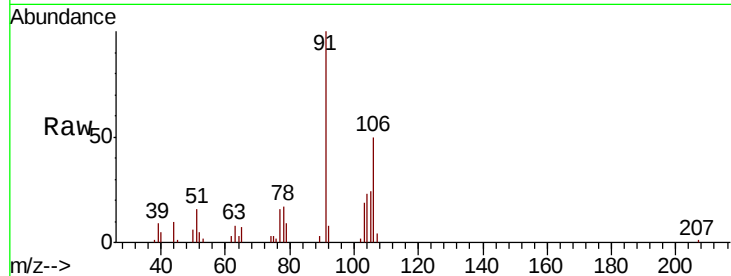




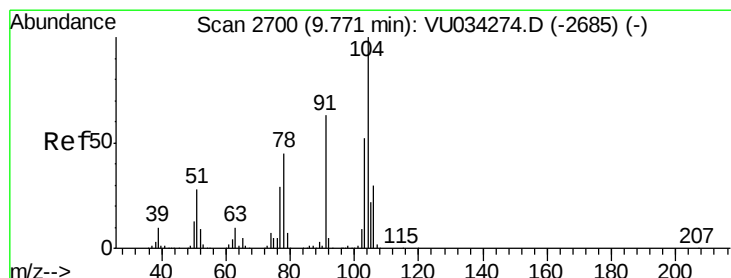
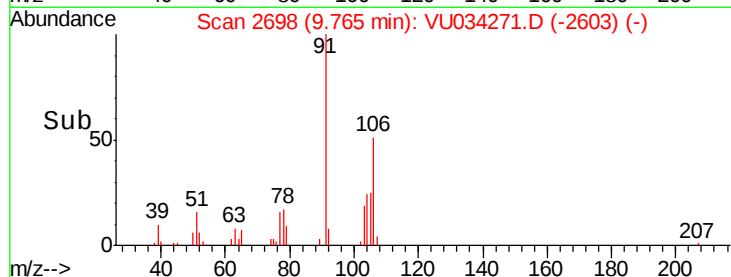
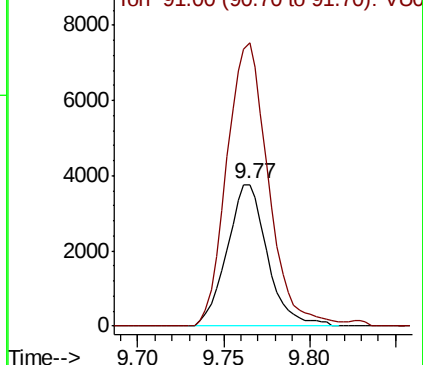
#69
o-Xylene
Concen: 1.078 ug/l
RT: 9.77 min Scan# 2698
Delta R.T. 0.01 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 6143
Ion Ratio Lower Upper
106 100
91 206.1 105.1 315.3

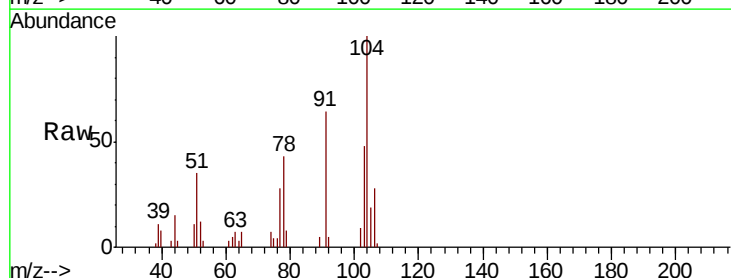


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

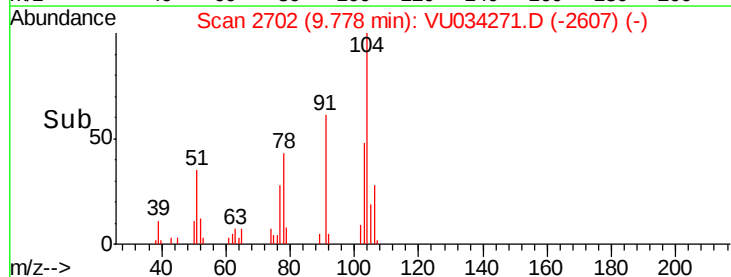
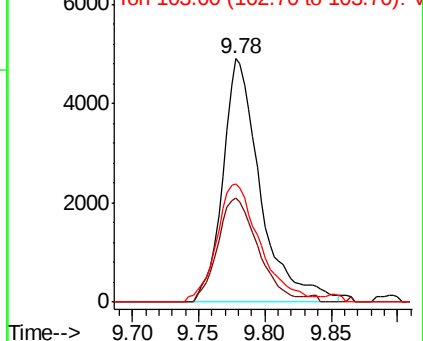


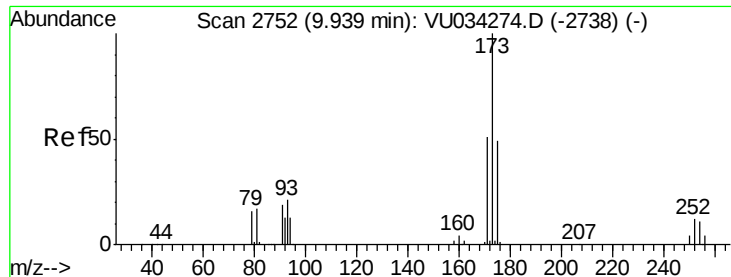
#70
Styrene
Concen: 0.984 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.01 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

Tgt Ion:104 Resp: 9662
Ion Ratio Lower Upper
104 100
78 46.2 38.6 57.8
103 56.2 44.2 66.4



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





#71

Bromoform

Concen: 1.233 ug/l

RT: 9.95 min Scan# 2754

Delta R.T. 0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

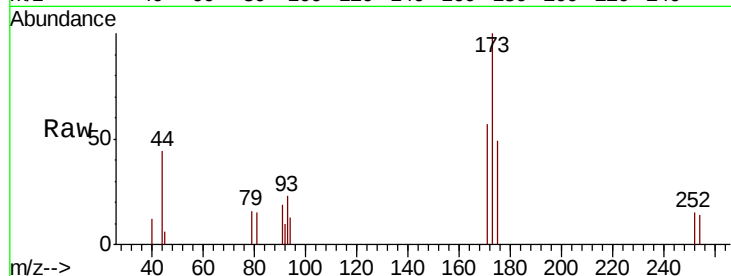
Tgt Ion:173 Resp: 3625

Ion Ratio Lower Upper

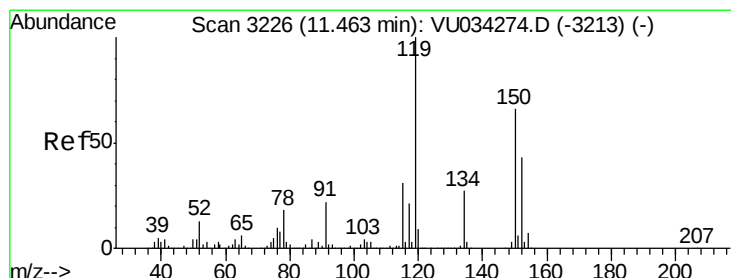
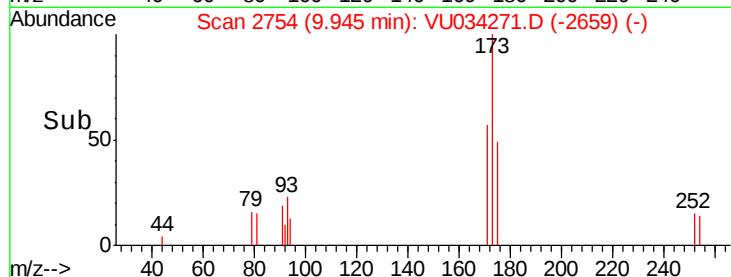
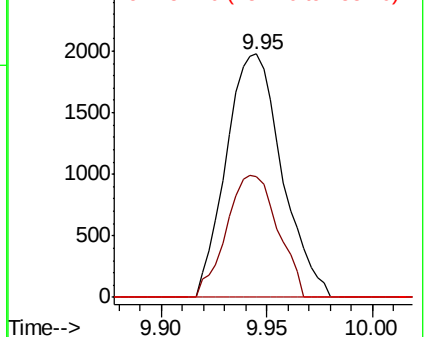
173 100

175 46.2 24.4 73.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

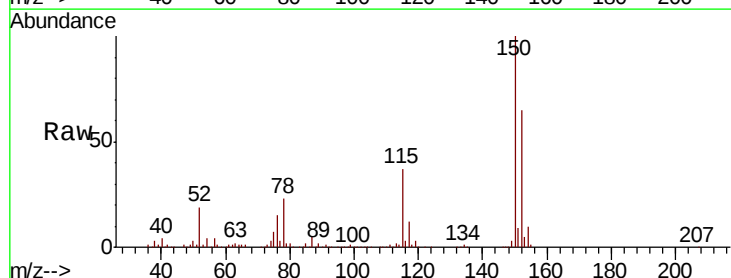
Tgt Ion:152 Resp: 256207

Ion Ratio Lower Upper

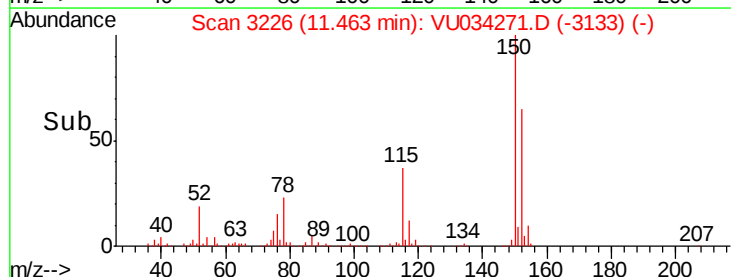
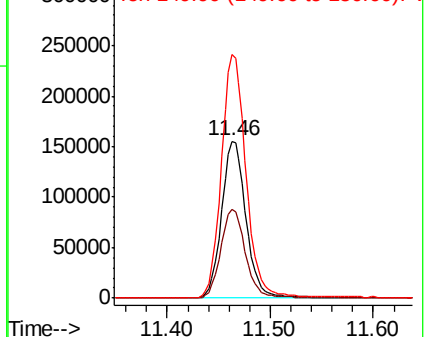
152 100

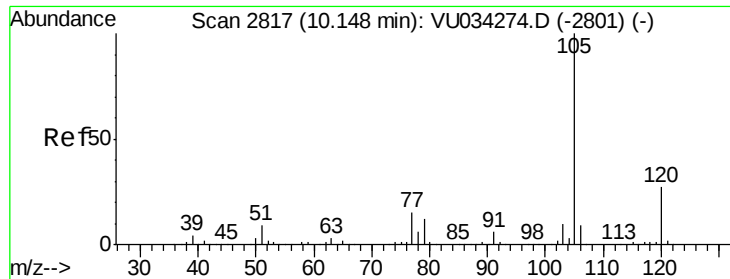
115 57.3 39.1 117.3

150 156.7 0.0 345.4



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





#73

Isopropylbenzene

Concen: 0.966 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

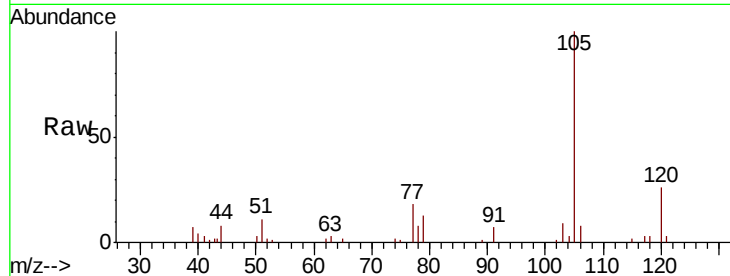
VSTDIC001

Tgt Ion:105 Resp: 16212

Ion Ratio Lower Upper

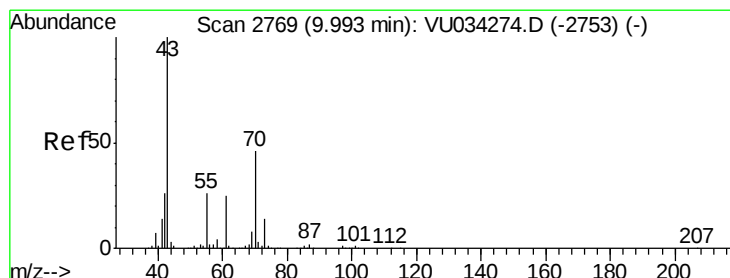
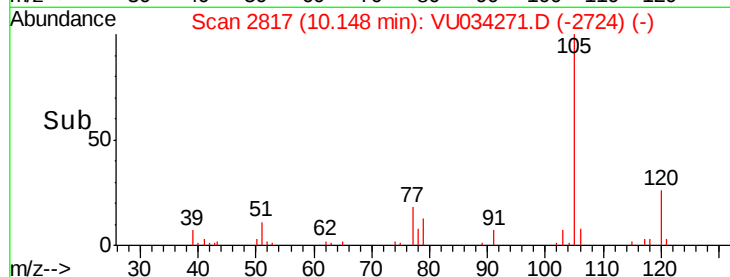
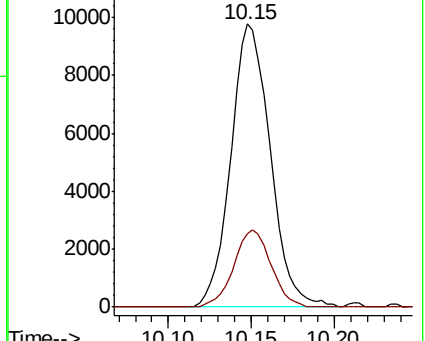
105 100

120 25.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.805 ug/l

RT: 10.01 min Scan# 2773

Delta R.T. 0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Tgt Ion: 43 Resp: 5638

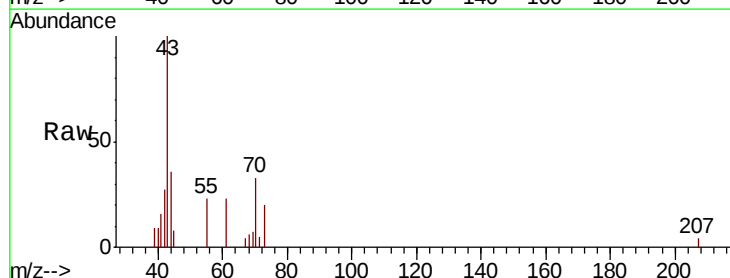
Ion Ratio Lower Upper

43 100

70 34.5 36.4 54.6#

55 21.5 21.2 31.8

61 17.9 20.4 30.6#

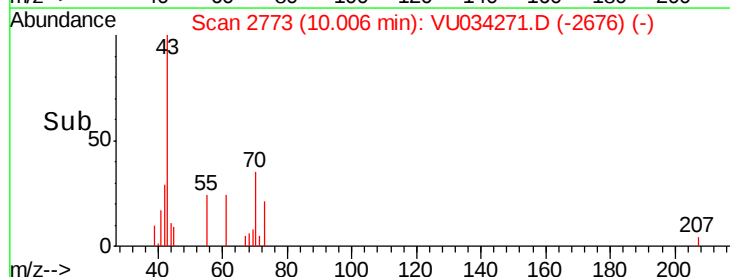
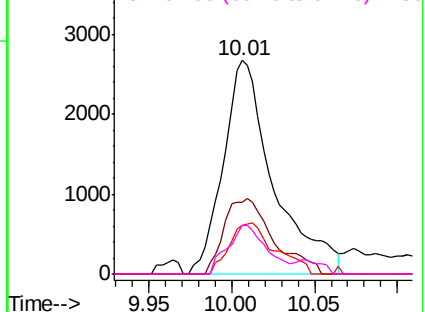


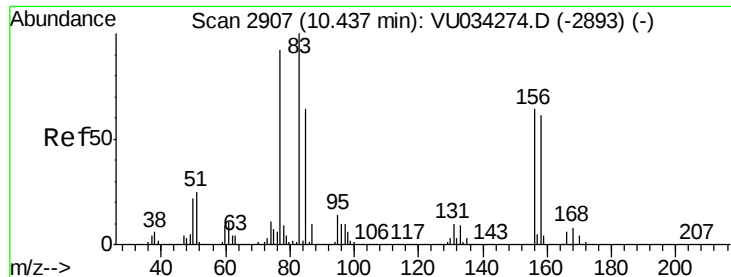
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.193 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

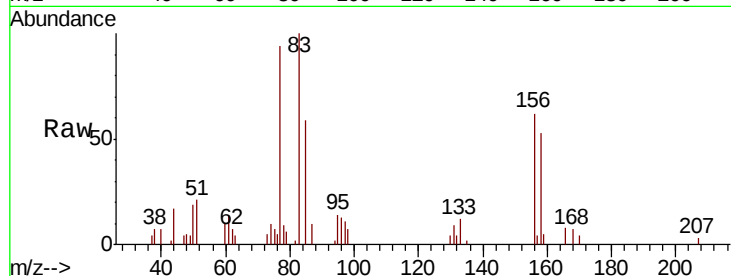
Tgt Ion: 83 Resp: 7748

Ion Ratio Lower Upper

83 100

131 9.2 5.1 15.2

85 62.3 32.0 96.2



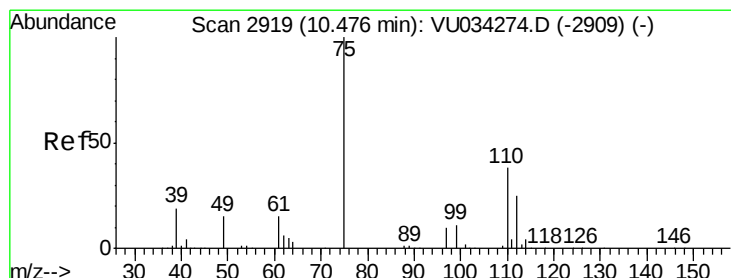
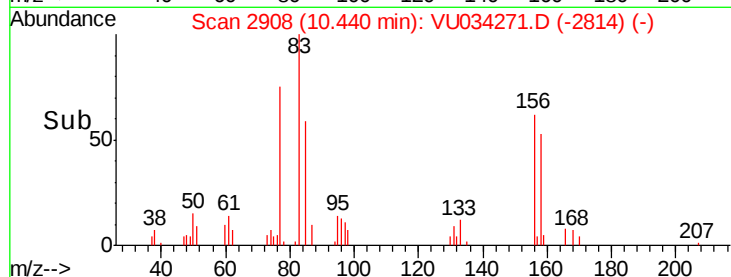
Abundance Ion 82.90 (82.60 to 83.60): VU034271.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU034271.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU034271.D (-2893) (-)

10.44

Time-->



#76

1,2,3-Trichloropropane

Concen: 0.365 ug/l

RT: 10.21 min Scan# 2837

Delta R.T. -0.26 min

Lab File: VU034271.D

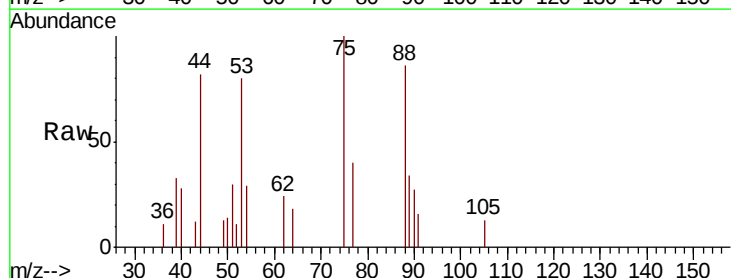
Acq: 05 Sep 2019 09:14

Tgt Ion: 75 Resp: 2041

Ion Ratio Lower Upper

75 100

77 36.3 20.8 62.2

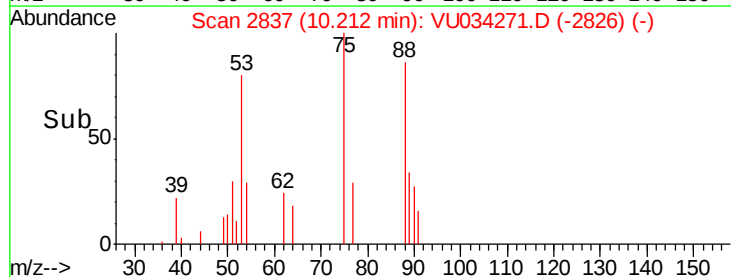


Abundance Ion 74.90 (74.60 to 75.60): VU034271.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034271.D (-2826) (-)

10.21

Time-->





#77

Bromobenzene

Concen: 1.095 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

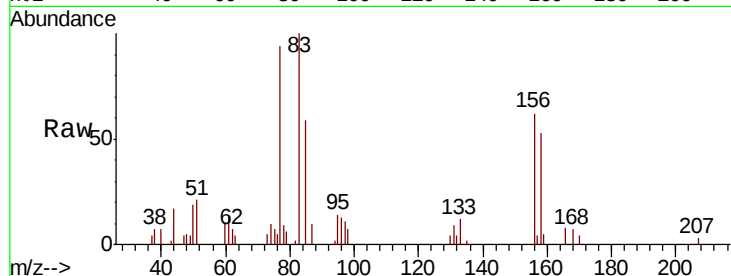
Tgt Ion:156 Resp: 4984

Ion Ratio Lower Upper

156 100

77 164.7 75.6 226.9

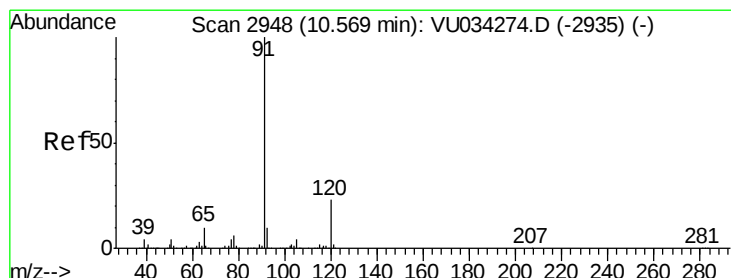
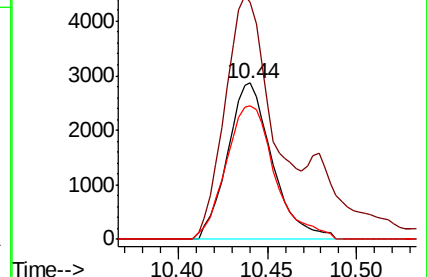
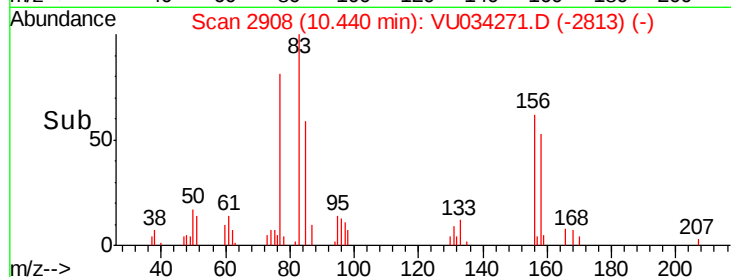
158 93.8 48.2 144.6



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: 0.915 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU034271.D

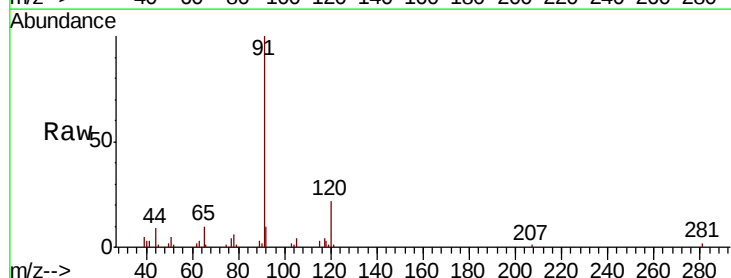
Acq: 05 Sep 2019 09:14

Tgt Ion: 91 Resp: 17891

Ion Ratio Lower Upper

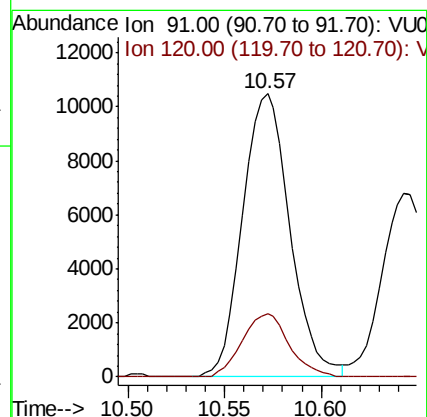
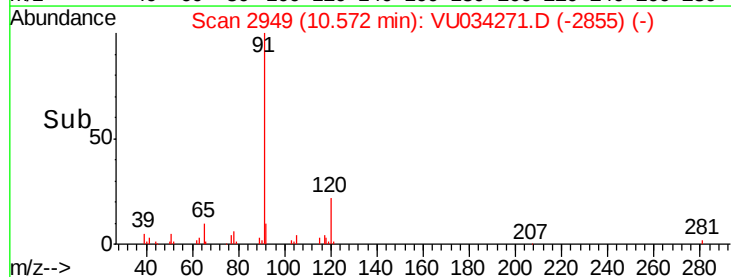
91 100

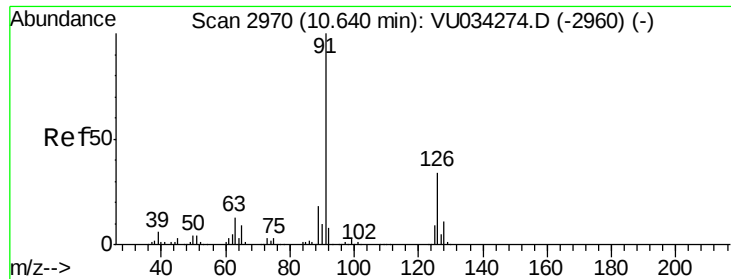
120 22.1 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

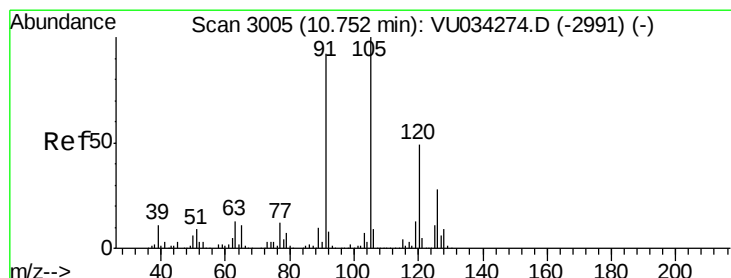
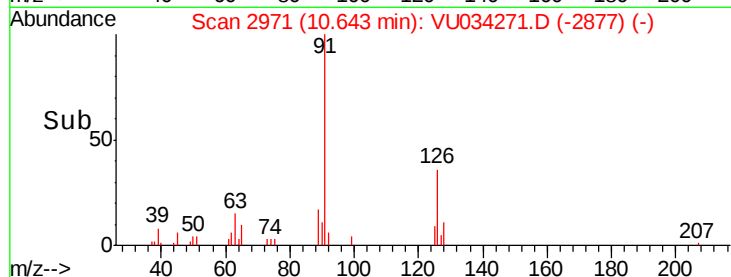
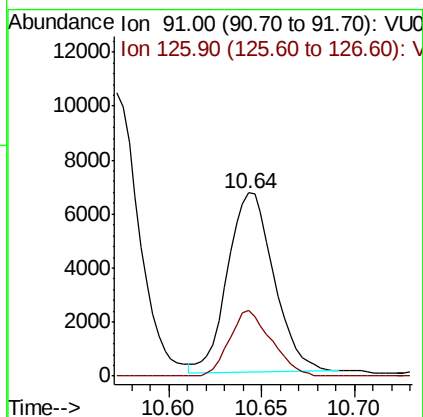
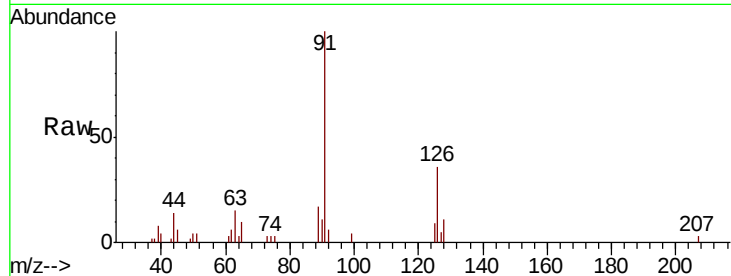




#79
 2-Chlorotoluene
 Concen: 0.984 ug/l
 RT: 10.64 min Scan# 2971
 Delta R.T. 0.00 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

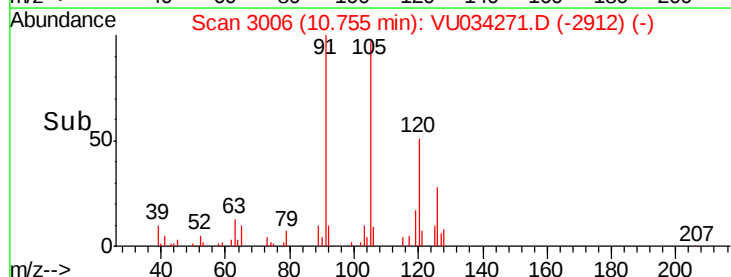
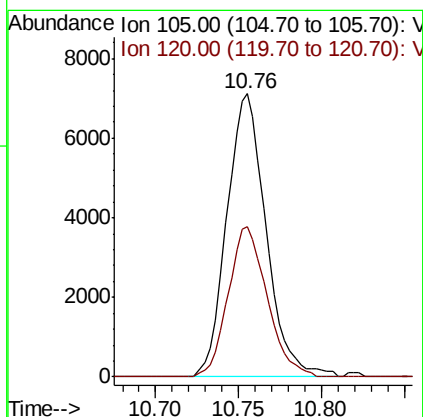
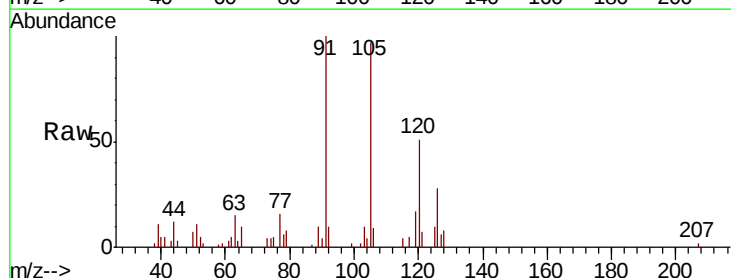
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

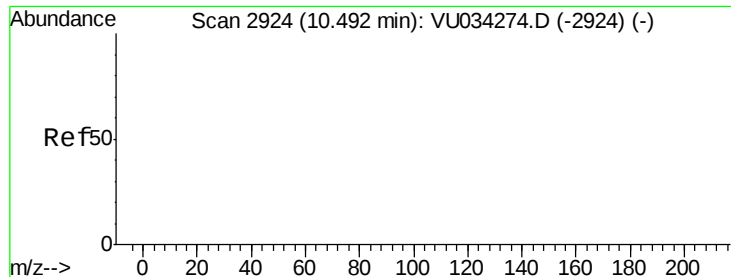
Tgt Ion: 91 Resp: 11560
 Ion Ratio Lower Upper
 91 100
 126 33.0 17.3 51.9



#80
 1,3,5-Trimethylbenzene
 Concen: 0.821 ug/l
 RT: 10.76 min Scan# 3006
 Delta R.T. 0.00 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Tgt Ion: 105 Resp: 11681
 Ion Ratio Lower Upper
 105 100
 120 52.8 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 3.233 ug/l

RT: 10.48 min Scan# 2920

Delta R.T. -0.01 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

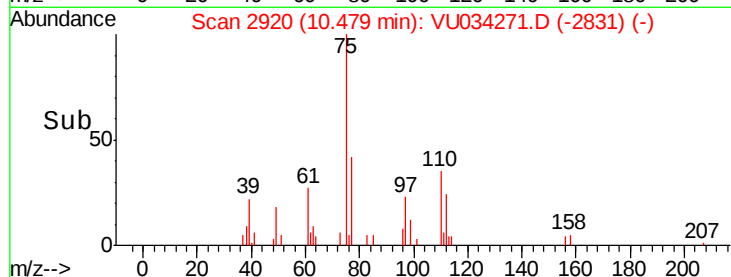
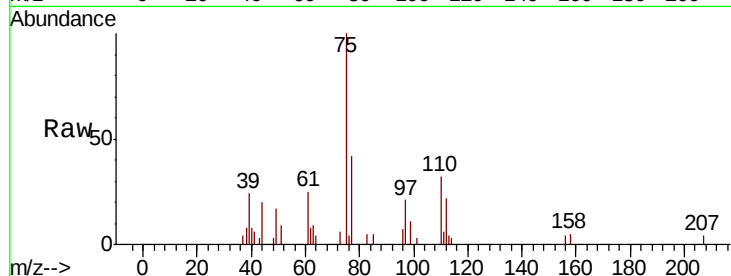
Tgt Ion: 75 Resp: 5455

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

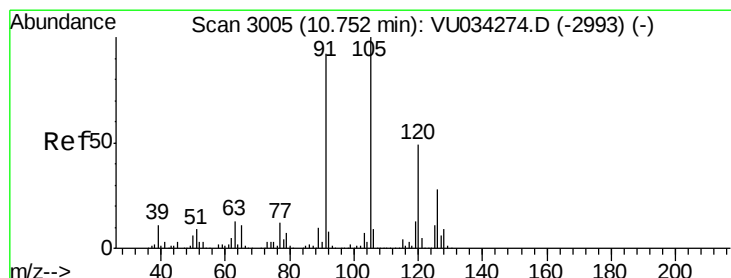
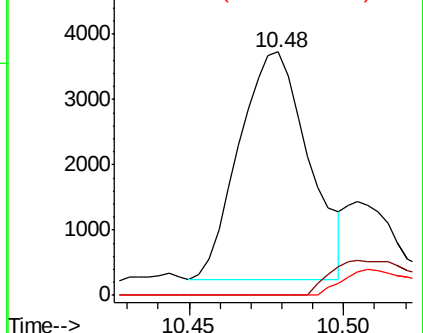
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 0.942 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.01 min

Lab File: VU034271.D

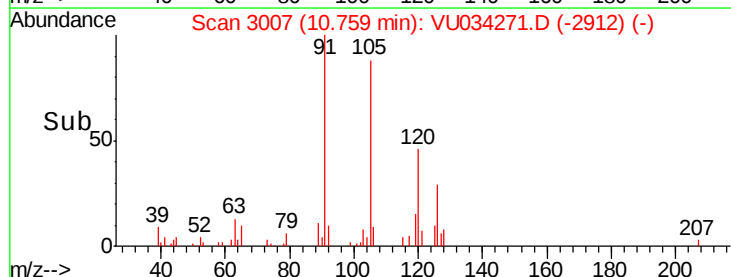
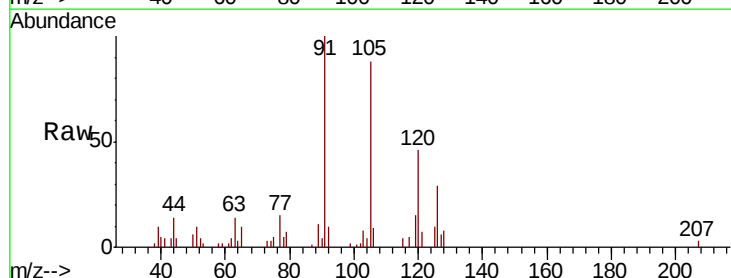
Acq: 05 Sep 2019 09:14

Tgt Ion: 91 Resp: 12760

Ion Ratio Lower Upper

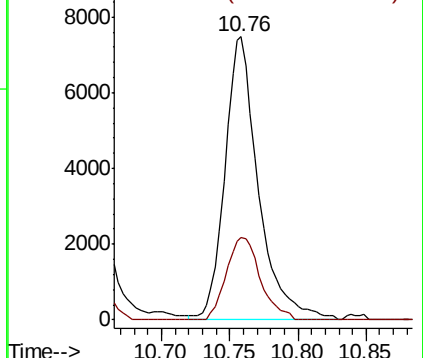
91 100

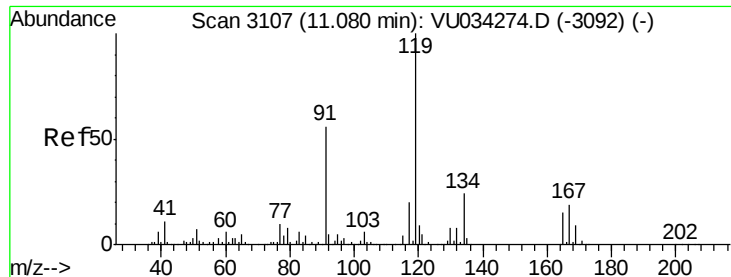
126 29.7 15.3 45.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

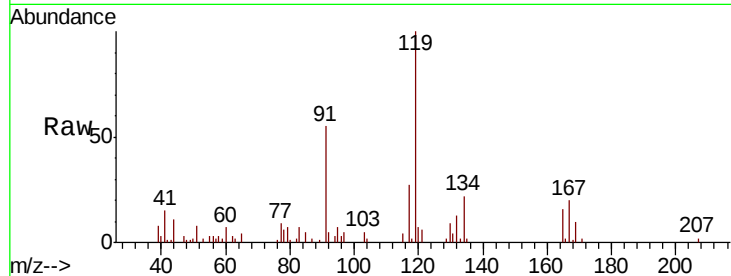




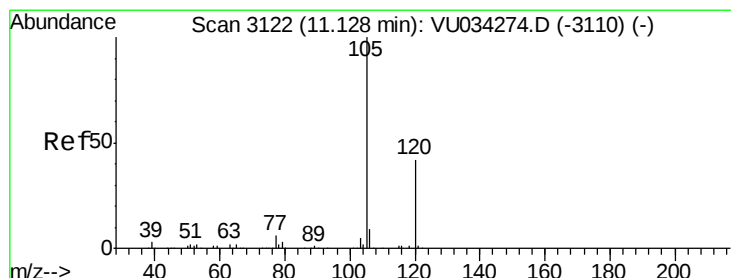
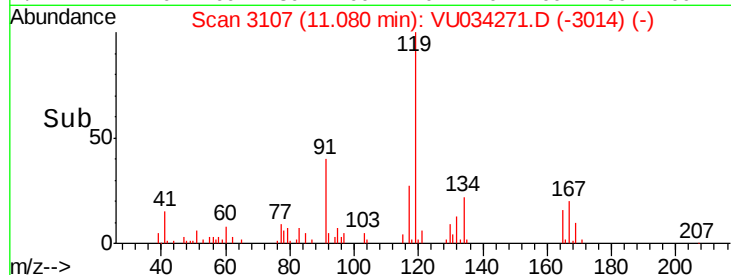
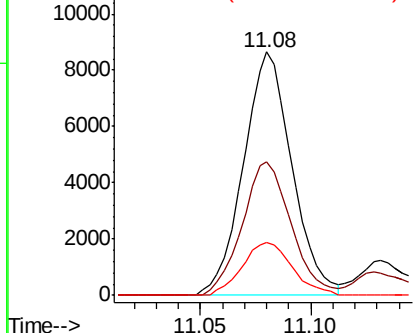
#83
 tert-Butylbenzene
 Concen: 0.941 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:119 Resp: 13190
 Ion Ratio Lower Upper
 119 100
 91 55.2 27.8 83.4
 134 22.3 11.7 35.0

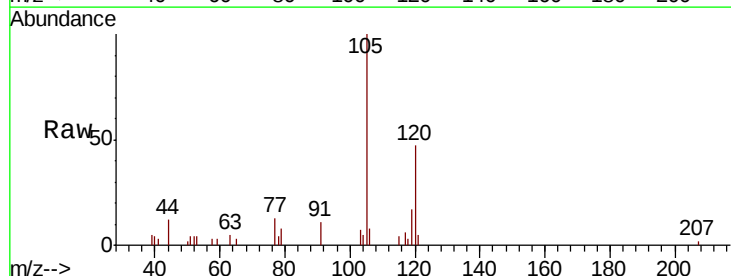


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU
 Ion 134.00 (133.70 to 134.70): V

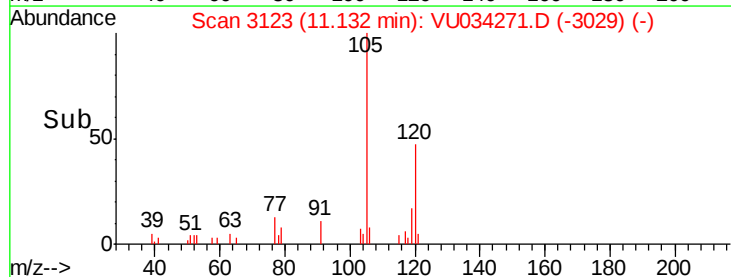
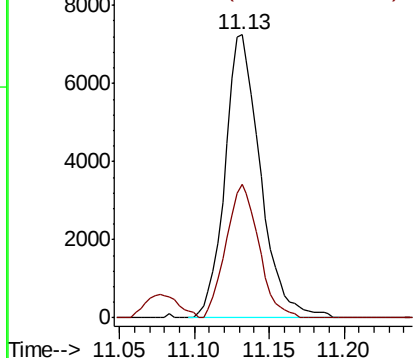


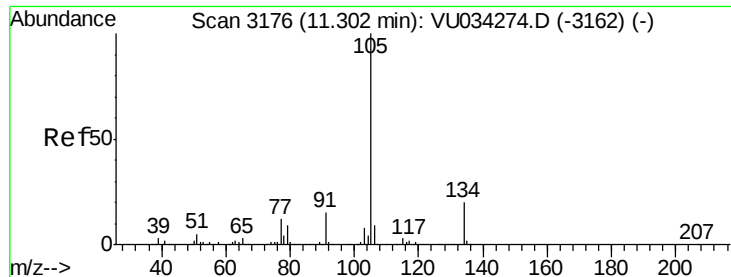
#84
 1,2,4-Trimethylbenzene
 Concen: 0.844 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Tgt Ion:105 Resp: 11925
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.9 68.8



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

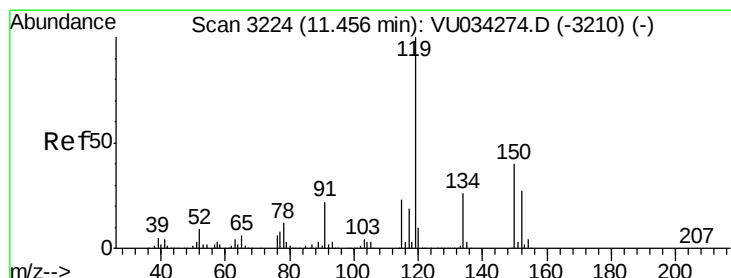
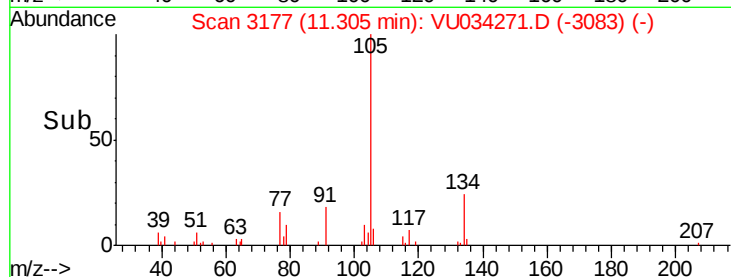
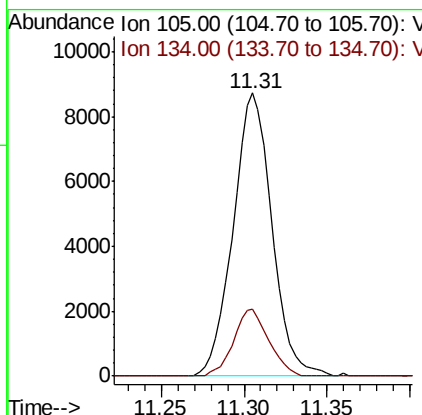
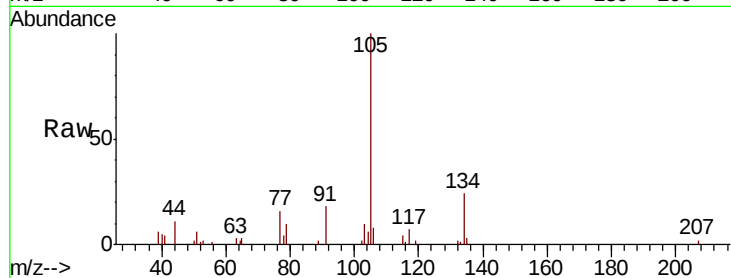




#85
 sec-Butylbenzene
 Concen: 0.845 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

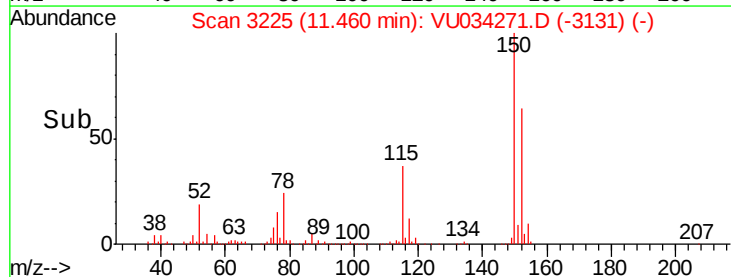
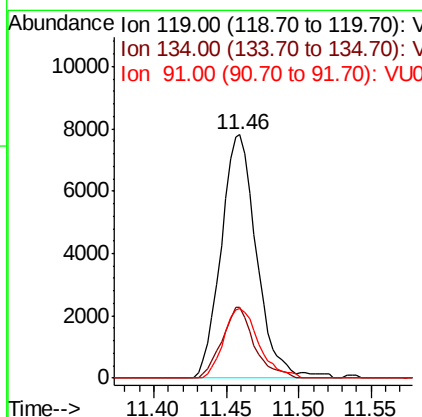
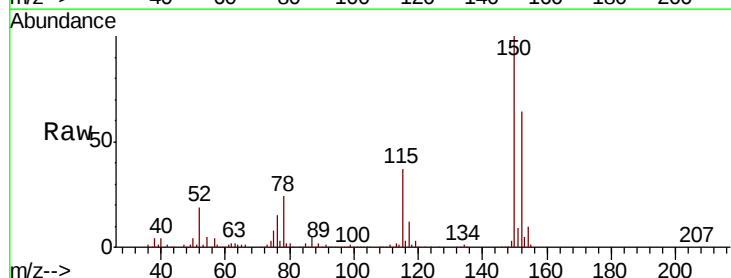
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

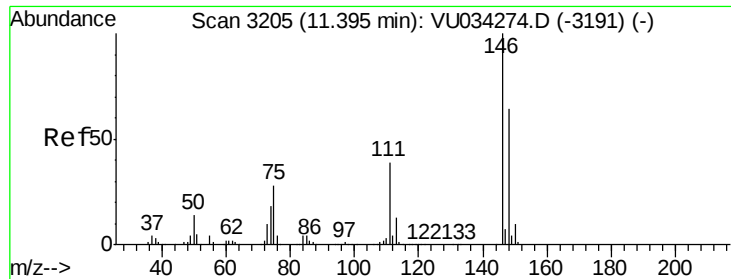
Tgt Ion:105 Resp: 14185
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 0.868 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.00 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Tgt Ion:119 Resp: 13203
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.8
 91 28.3 11.2 33.6

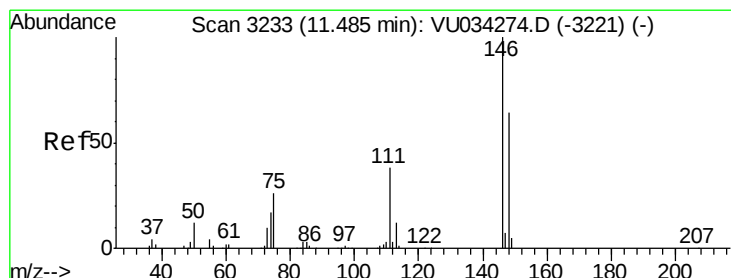
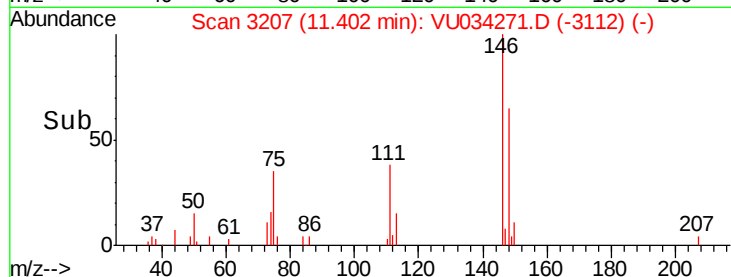
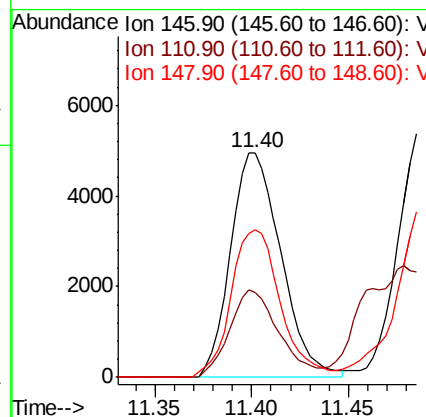
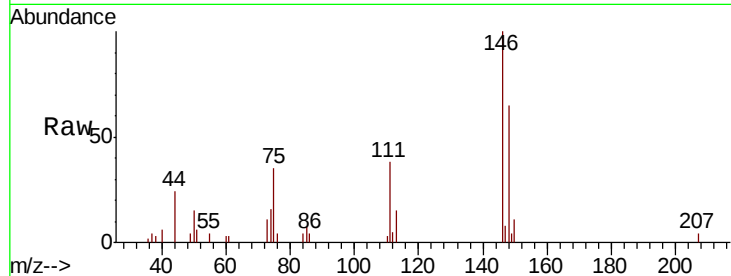




#87
 1,3-Dichlorobenzene
 Concen: 1.107 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.01 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

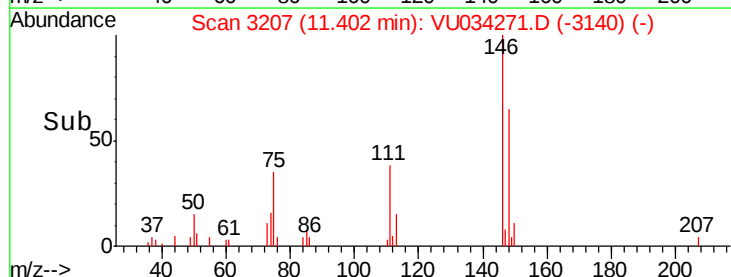
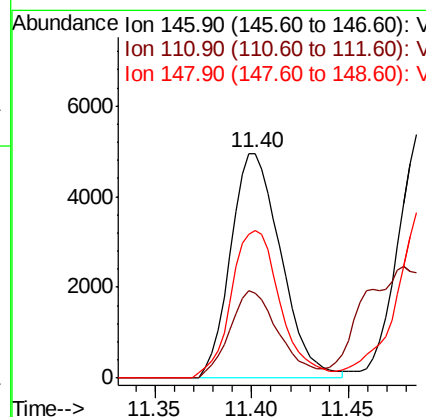
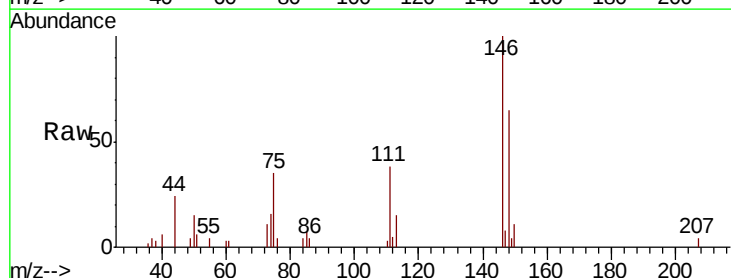
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

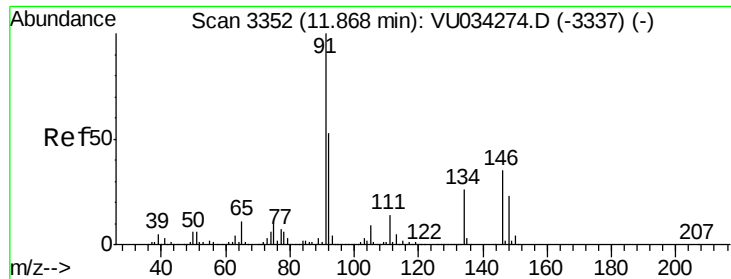
Tgt Ion:146 Resp: 8956
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.5 58.5
 148 64.5 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 1.091 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.08 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Tgt Ion:146 Resp: 8956
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.1 57.3
 148 64.5 32.0 96.0





#89

n-Butylbenzene

Concen: 0.780 ug/l

RT: 11.87 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VU034271.D

Acq: 05 Sep 2019 09:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

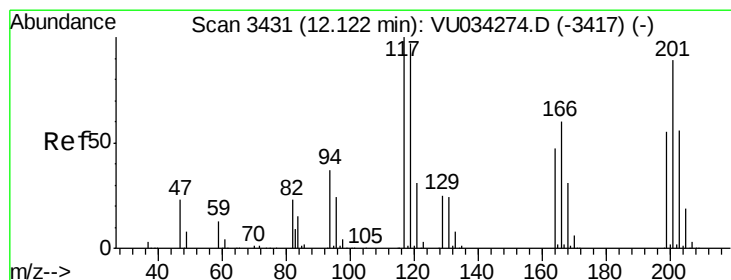
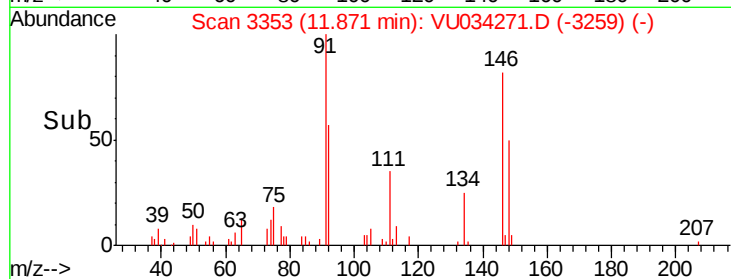
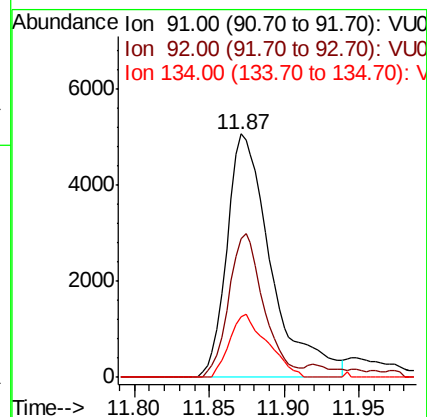
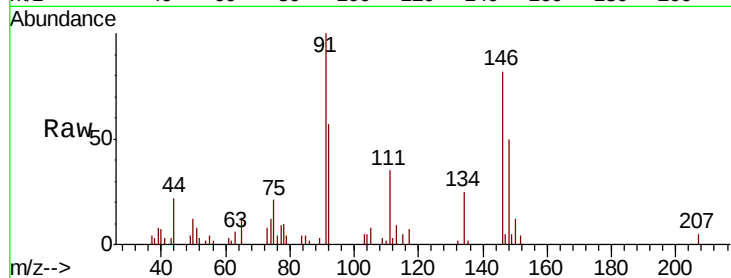
Tgt Ion: 91 Resp: 10447

Ion Ratio Lower Upper

91 100

92 46.7 26.5 79.4

134 22.1 13.2 39.6



#90

Hexachloroethane

Concen: 0.952 ug/l

RT: 12.13 min Scan# 3432

Delta R.T. 0.00 min

Lab File: VU034271.D

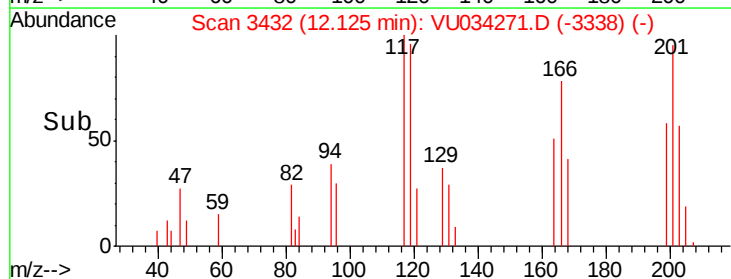
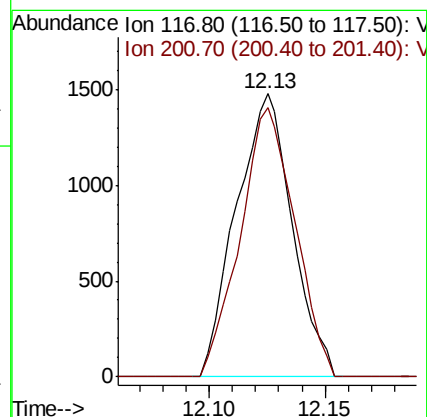
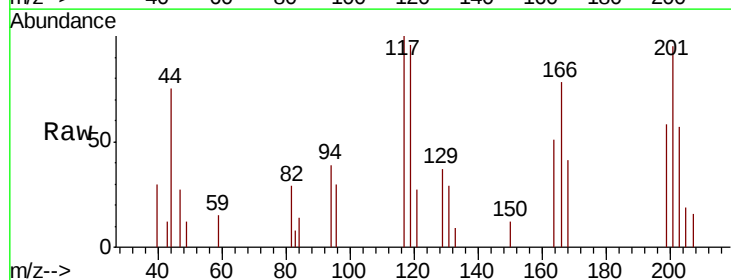
Acq: 05 Sep 2019 09:14

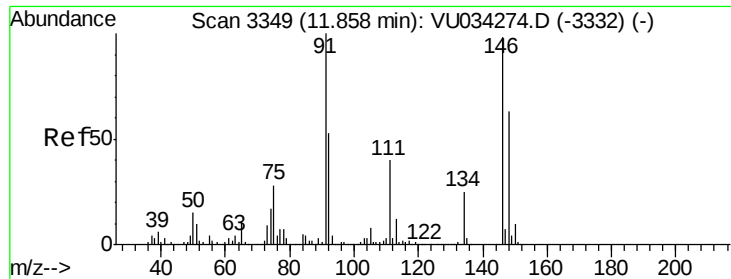
Tgt Ion: 117 Resp: 2476

Ion Ratio Lower Upper

117 100

201 93.0 44.1 132.4

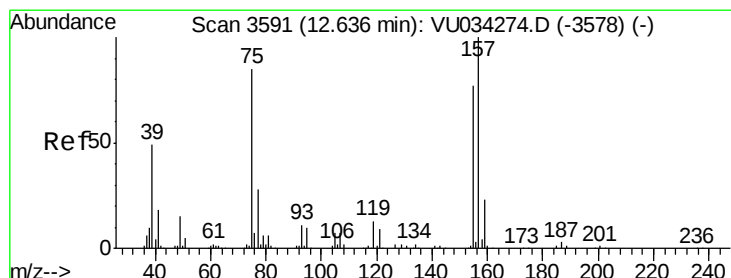
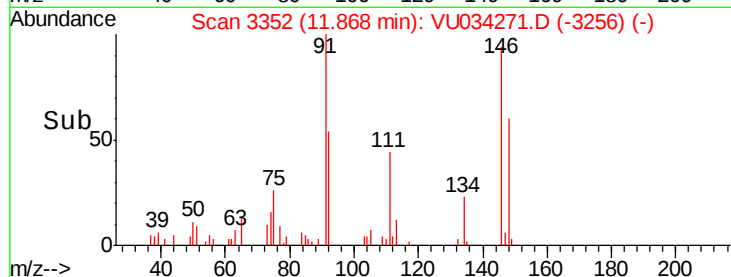
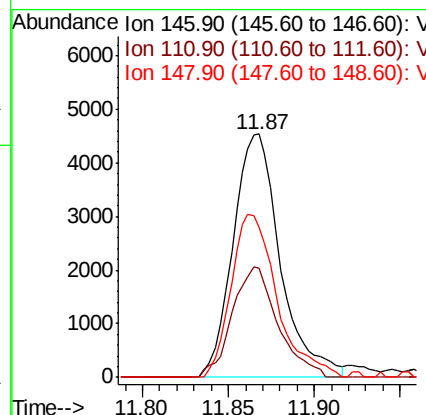
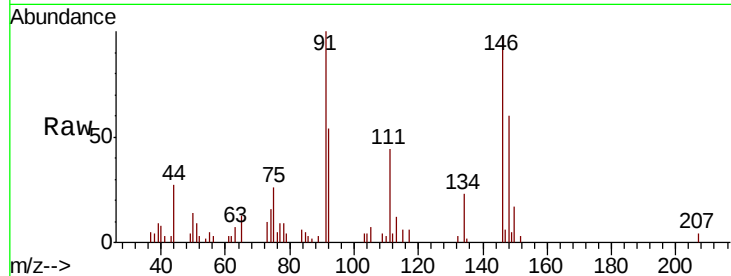




#91
 1,2-Dichlorobenzene
 Concen: 1.118 ug/l
 RT: 11.87 min Scan# 3352
 Delta R.T. 0.01 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

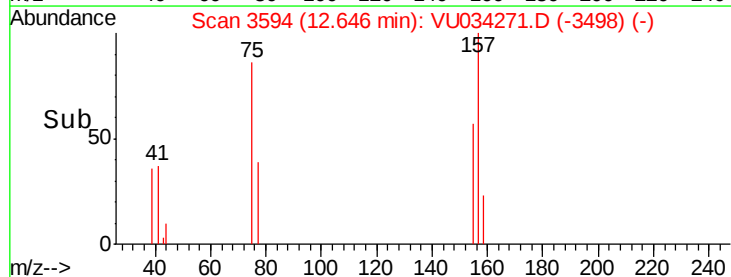
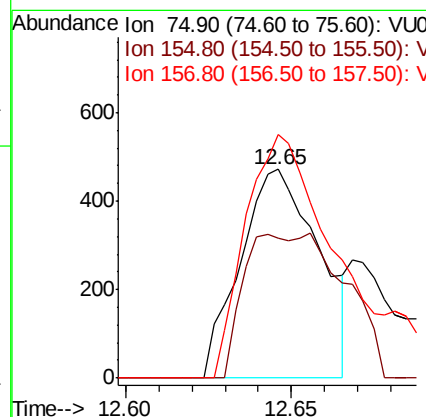
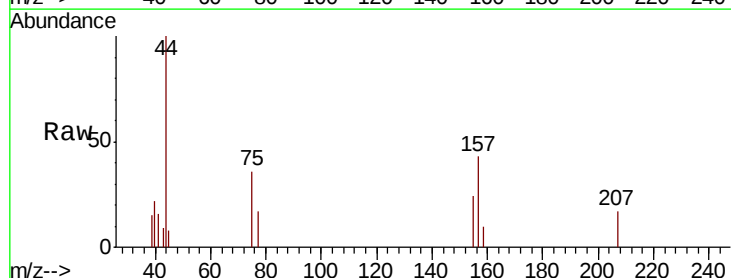
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

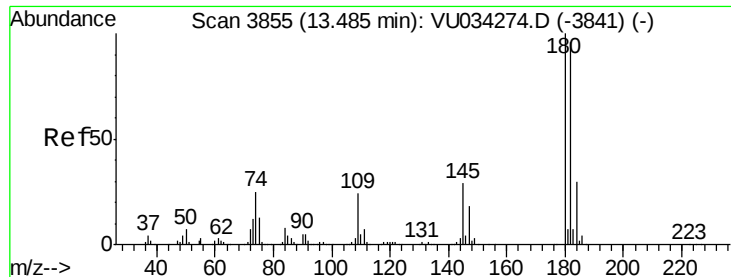
Tgt Ion: 146 Resp: 8693
 Ion Ratio Lower Upper
 146 100
 111 43.7 20.0 60.0
 148 65.0 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.605 ug/l
 RT: 12.65 min Scan# 3594
 Delta R.T. 0.01 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Tgt Ion: 75 Resp: 778
 Ion Ratio Lower Upper
 75 100
 155 41.5 44.6 134.0#
 157 138.4 58.2 174.6

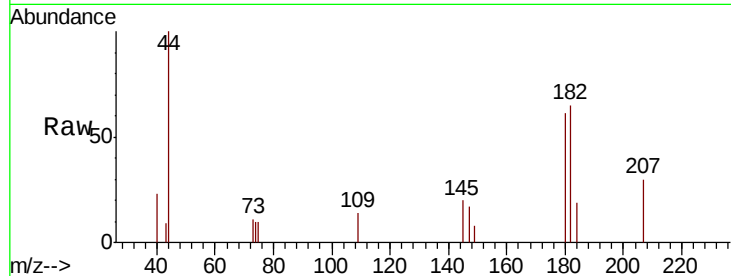




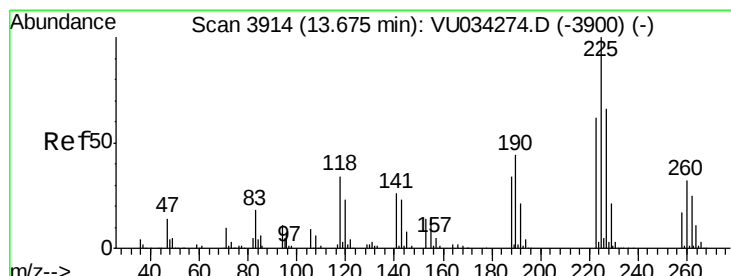
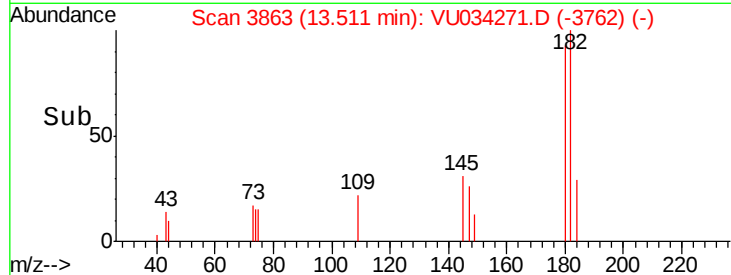
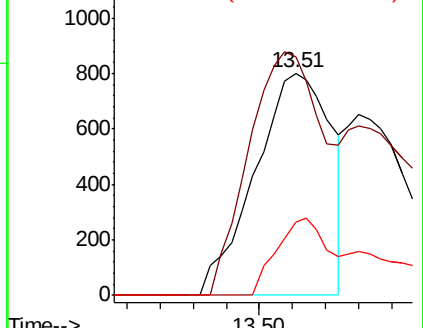
#93
 1,2,4-Trichlorobenzene
 Concen: 0.269 ug/l
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.03 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 1278
 Ion Ratio Lower Upper
 180 100
 182 109.3 47.9 143.8
 145 23.4 14.4 43.0

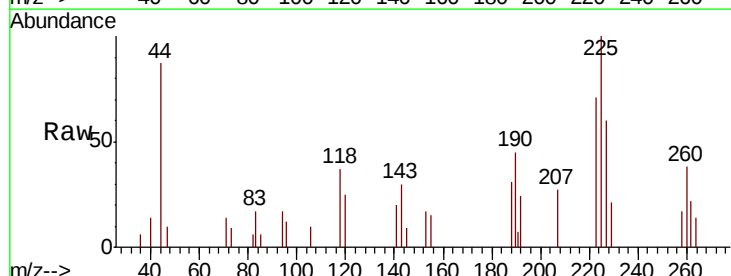


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

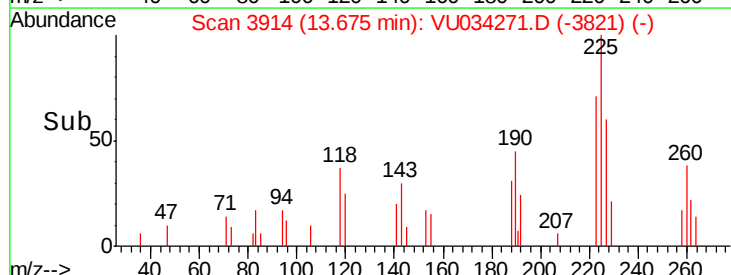
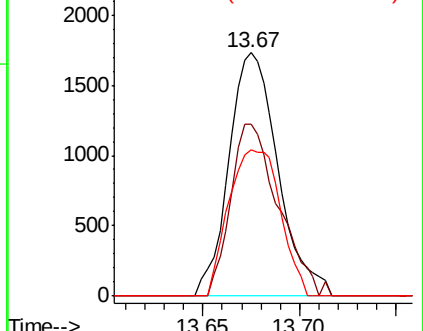


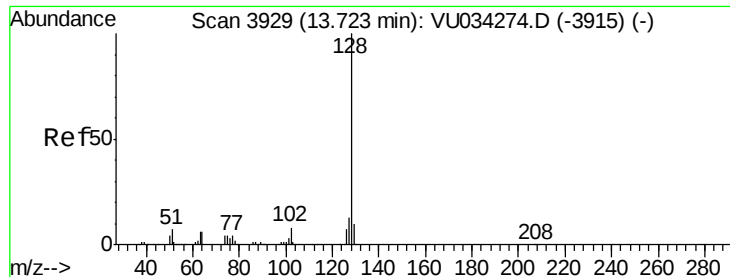
#94
 Hexachlorobutadiene
 Concen: 1.025 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034271.D
 Acq: 05 Sep 2019 09:14

Tgt Ion:225 Resp: 3061
 Ion Ratio Lower Upper
 225 100
 223 69.0 31.6 94.7
 227 63.1 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

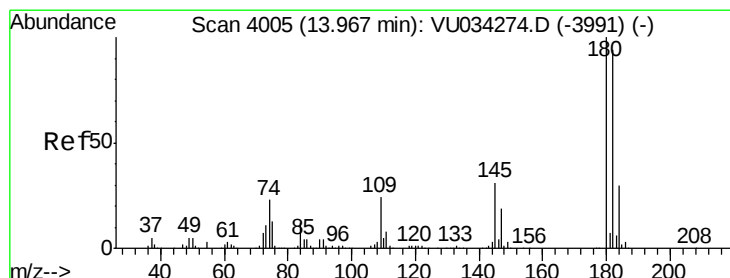
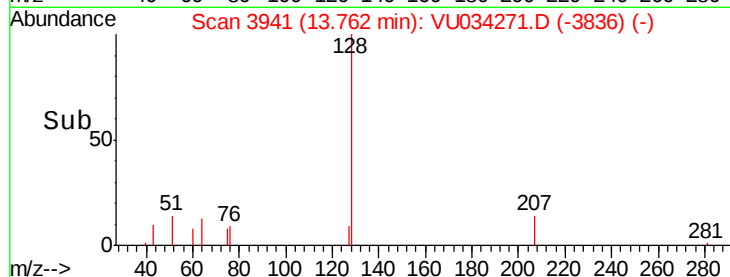
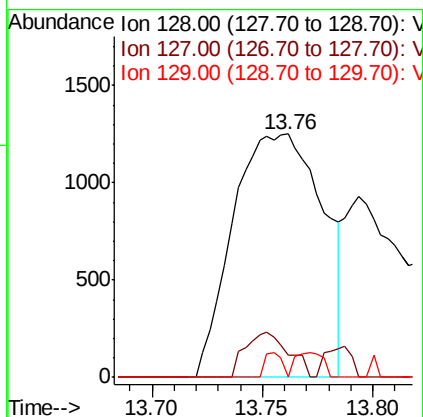
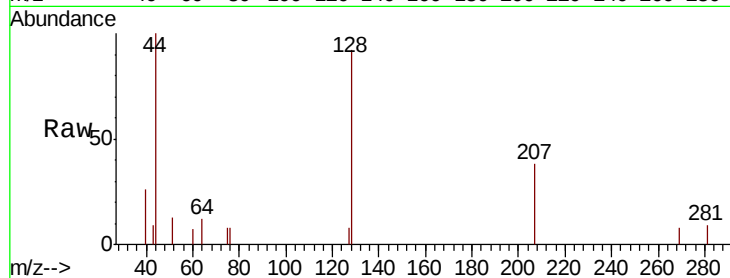




#95
Naphthalene
Concen: 0.269 ug/l
RT: 13.76 min Scan# 3941
Delta R.T. 0.04 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:128 Resp: 3522
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 3.2 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 0.647 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.02 min
Lab File: VU034271.D
Acq: 05 Sep 2019 09:14

Tgt Ion:180 Resp: 3229
Ion Ratio Lower Upper
180 100
182 74.5 48.4 145.0
145 24.9 15.4 46.4

