

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028571.D
 Acq On : 10 Dec 2018 23:14
 Operator : MD/SY
 Sample : J6325-09MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

Quant Time: Dec 11 03:41:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	76890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	139088	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	130331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	63149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	67144	57.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.44%	
35) Dibromofluoromethane	4.88	113	47772	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
50) Toluene-d8	7.57	98	186326	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	10.30	95	68753	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	53256	51.675	ug/l	100
3) Chloromethane	1.33	50	96909	51.146	ug/l	99
4) Vinyl Chloride	1.40	62	72050	52.692	ug/l	99
5) Bromomethane	1.60	94	32614	59.211	ug/l	98
6) Chloroethane	1.68	64	40241	51.984	ug/l	100
7) Trichlorofluoromethane	1.88	101	74200	51.577	ug/l	100
8) Diethyl Ether	2.10	74	33515	49.794	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	45472	52.850	ug/l	99
10) Methyl Iodide	2.41	142	37900	56.139	ug/l	99
11) Tert butyl alcohol	2.83	59	82848	316.907	ug/l	100
12) 1,1-Dichloroethene	2.28	96	44093	51.506	ug/l	97
13) Acrolein	2.19	56	52661	252.683	ug/l	99
14) Allyl chloride	2.59	41	104604	51.651	ug/l	99
15) Acrylonitrile	2.94	53	210250	289.679	ug/l	99
16) Acetone	2.32	43	174637	228.077	ug/l	98
17) Carbon Disulfide	2.47	76	151007	48.964	ug/l	99
18) Methyl Acetate	2.61	43	113604	57.235	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	175291	54.014	ug/l	100
20) Methylene Chloride	2.70	84	56821	50.340	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	49885	51.755	ug/l	98
22) Diisopropyl ether	3.57	45	220618	56.018	ug/l	98
23) Vinyl Acetate	3.52	43	861350	265.152	ug/l	98
24) 1,1-Dichloroethane	3.44	63	109726	53.225	ug/l	99
25) 2-Butanone	4.26	43	291633	278.703	ug/l	98
26) 2,2-Dichloropropane	4.22	77	76373	46.755	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	63205	57.935	ug/l	97
28) Bromochloromethane	4.55	49	53840	57.449	ug/l	98
29) Tetrahydrofuran	4.64	42	203642	303.023	ug/l	96
30) Chloroform	4.67	83	103173	57.421	ug/l	97
31) Cyclohexane	4.99	56	105031	52.262	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	80108	53.682	ug/l	97
36) 1,1-Dichloropropene	5.13	75	73573	48.339	ug/l	99
37) Ethyl Acetate	4.38	43	103573	52.641	ug/l	100
38) Carbon Tetrachloride	5.13	117	63161	51.487	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	85780	46.197	ug/l	96
40) Benzene	5.39	78	230880	51.505	ug/l	98
41) Methacrylonitrile	4.54	41	62020	57.559	ug/l	96
42) 1,2-Dichloroethane	5.40	62	82449	52.545	ug/l	99
43) Isopropyl Acetate	5.55	43	167644	53.870	ug/l	99
44) Trichloroethene	6.18	130	228549	229.302	ug/l	99
45) 1,2-Dichloropropane	6.43	63	67643	53.661	ug/l	96
46) Dibromomethane	6.56	93	39466	52.767	ug/l	99
47) Bromodichloromethane	6.76	83	74781	51.381	ug/l	99
48) Methyl methacrylate	6.62	41	87350	56.442	ug/l	98
49) 1,4-Dioxane	6.61	88	34031	1392.634	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	555828	283.182	ug/l	98
52) Toluene	7.64	92	133287	50.523	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	85662	49.419	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	93086	49.498	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	55442	53.164	ug/l	98
56) Ethyl methacrylate	8.02	69	94697	53.027	ug/l	97
57) 1,3-Dichloropropane	8.24	76	100811	52.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.26	63	491	0.537	ug/l #	54
59) 2-Hexanone	8.36	43	426584	274.203	ug/l	100
60) Dibromochloromethane	8.48	129	51882	50.815	ug/l	100
61) 1,2-Dibromoethane	8.58	107	57359	52.450	ug/l	100
64) Tetrachloroethene	8.23	164	54206	62.353	ug/l	97
65) Chlorobenzene	9.12	112	139050	50.068	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	45788	51.629	ug/l	98
67) Ethyl Benzene	9.25	91	254976	49.942	ug/l	100
68) m/p-Xylenes	9.37	106	187042	100.683	ug/l	97
69) o-Xylene	9.78	106	92009	50.965	ug/l	100
70) Styrene	9.79	104	150858	50.493	ug/l	99
71) Bromoform	9.96	173	39967	52.976	ug/l #	98
73) Isopropylbenzene	10.17	105	241380	49.814	ug/l	100
74) N-amyl acetate	10.01	43	141023	50.454	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	104257	56.009	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	120683	74.841	ug/l	82
77) Bromobenzene	10.45	156	56944	50.247	ug/l	98
78) n-propylbenzene	10.58	91	298110	49.510	ug/l	98
79) 2-Chlorotoluene	10.66	91	175545	50.614	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	203972	50.852	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	120683	182.606	ug/l #	100
82) 4-Chlorotoluene	10.77	91	203523	49.519	ug/l	99
83) tert-Butylbenzene	11.10	119	196448	50.813	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	209250	50.620	ug/l	99
85) sec-Butylbenzene	11.32	105	244568	49.241	ug/l	100
86) p-Isopropyltoluene	11.48	119	203330	48.193	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	103142	48.199	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	103389	46.698	ug/l	99
89) n-Butylbenzene	11.89	91	195047	45.680	ug/l	100
90) Hexachloroethane	12.14	117	31329	49.128	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	105351	49.218	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.65	75	22619	56.127	ug/l	99

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Response via : Initial Calibration

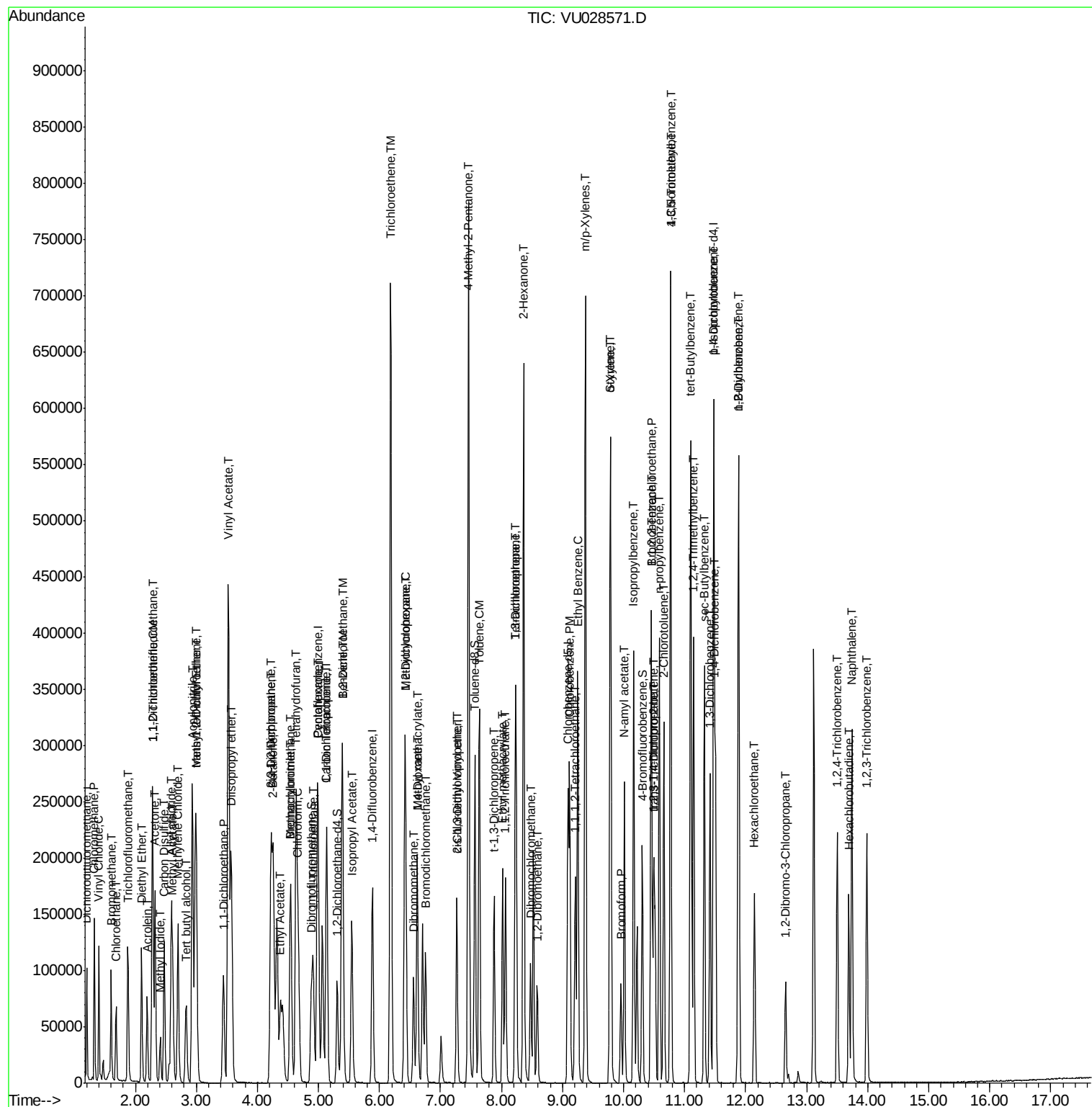
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	64044	43.650	ug/l	98
94) Hexachlorobutadiene	13.69	225	30836	43.978	ug/l	99
95) Naphthalene	13.74	128	235231	45.797	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	67915	46.404	ug/l	99

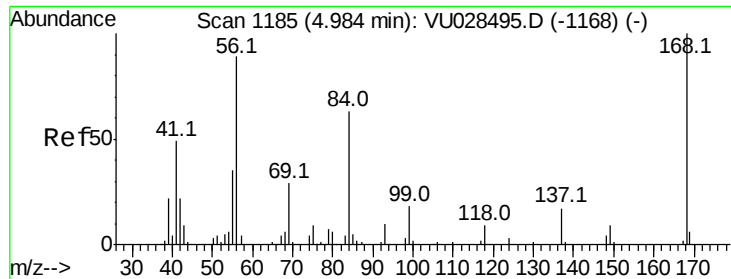
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

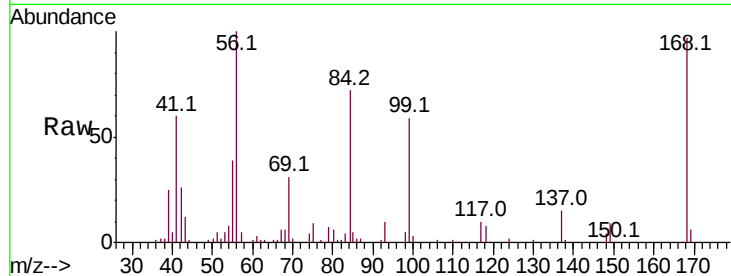
RE-131D1-20181205MS

Tot Ion:168 Resp: 76890

Ion Ratio Lower Upper

168 100

99 60.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

40000

30000

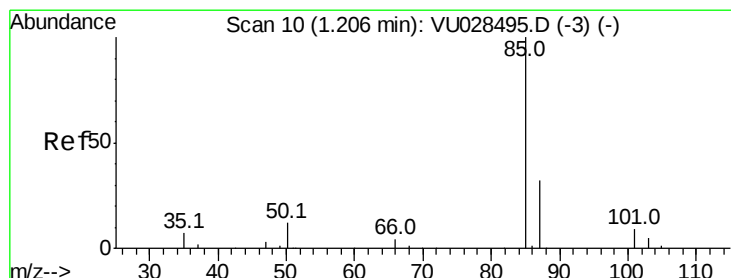
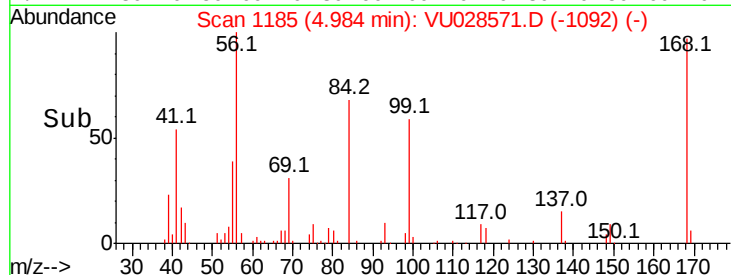
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.675 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028571.D

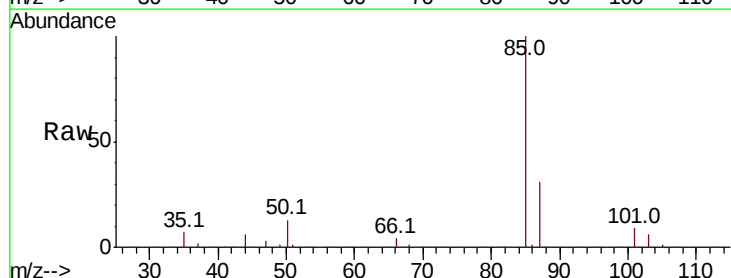
Acq: 10 Dec 2018 23:14

Tgt Ion: 85 Resp: 53256

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

60000

50000

40000

30000

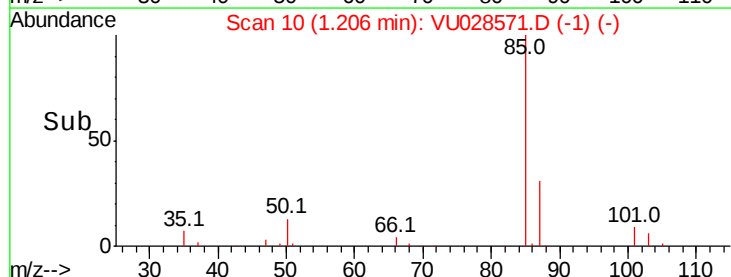
20000

10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 51.146 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

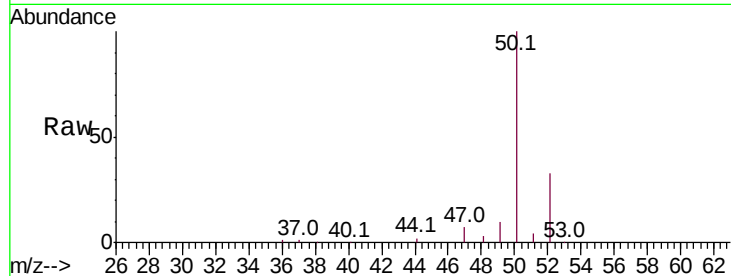
RE-131D1-20181205MS

Tot Ion: 50 Resp: 96909

Ion Ratio Lower Upper

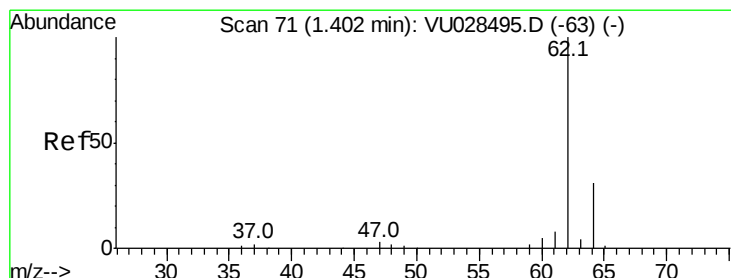
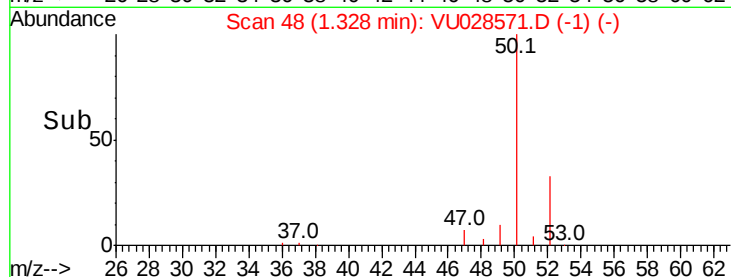
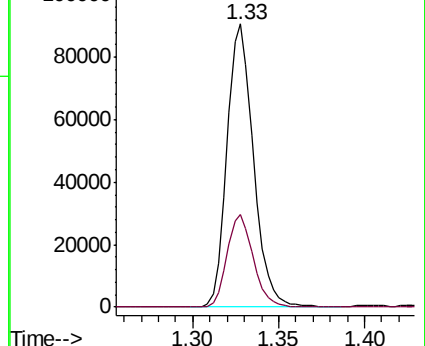
50 100

52 32.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 52.692 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028571.D

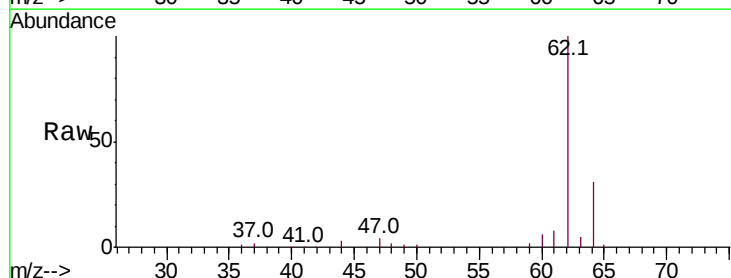
Acq: 10 Dec 2018 23:14

Tgt Ion: 62 Resp: 72050

Ion Ratio Lower Upper

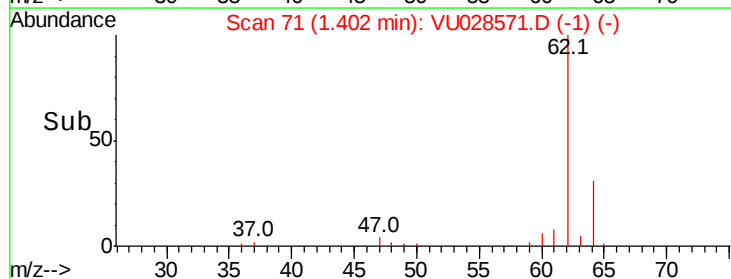
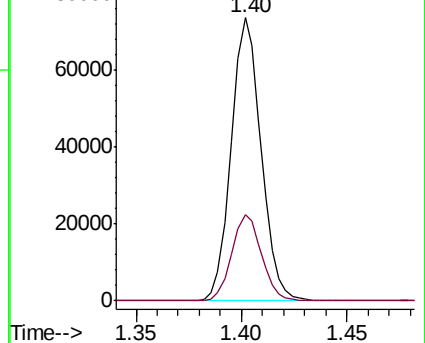
62 100

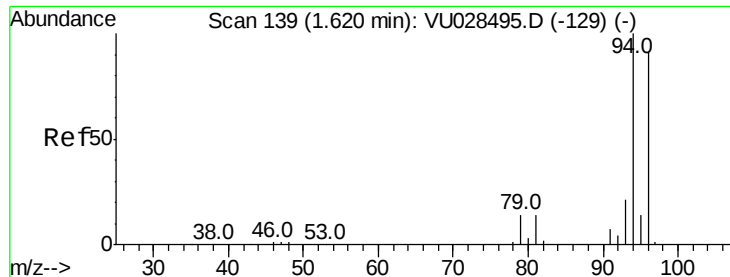
64 30.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 59.211 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

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ClientSampleId :

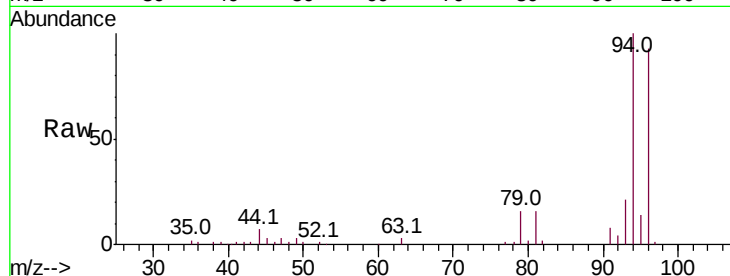
RE-131D1-20181205MS

Tot Ion: 94 Resp: 32614

Ion Ratio Lower Upper

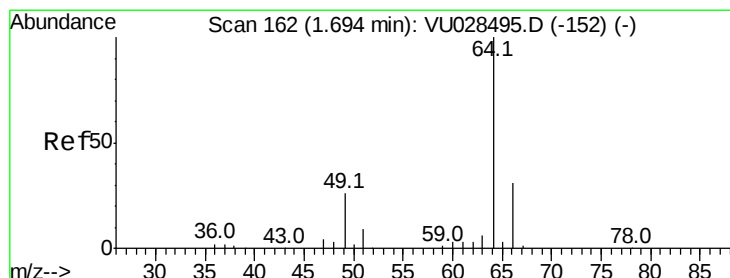
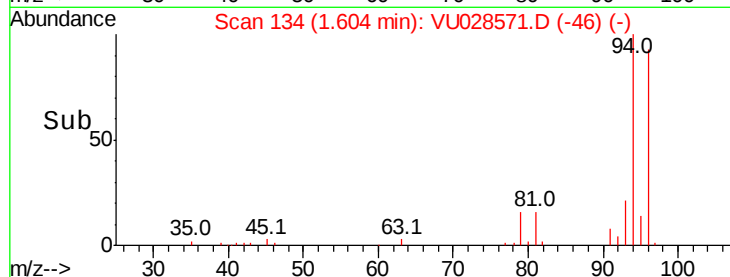
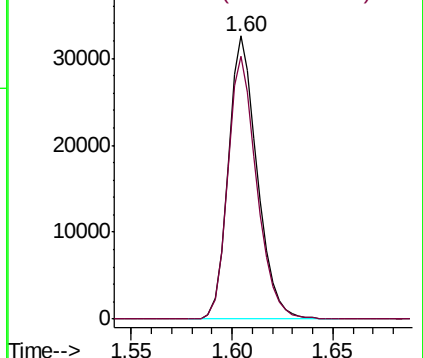
94 100

96 93.0 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 51.984 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028571.D

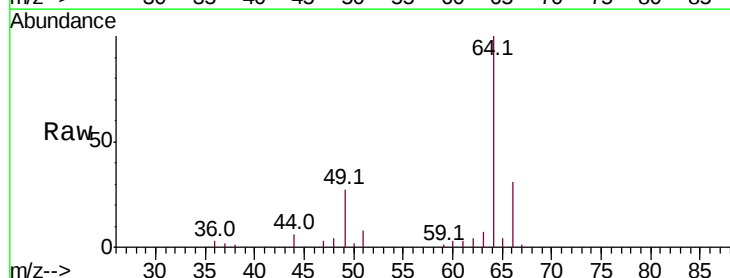
Acq: 10 Dec 2018 23:14

Tgt Ion: 64 Resp: 40241

Ion Ratio Lower Upper

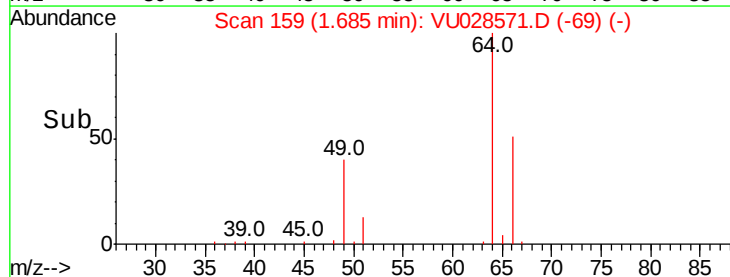
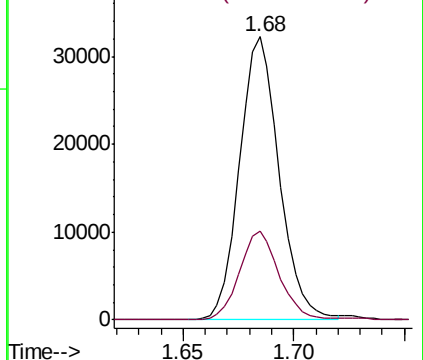
64 100

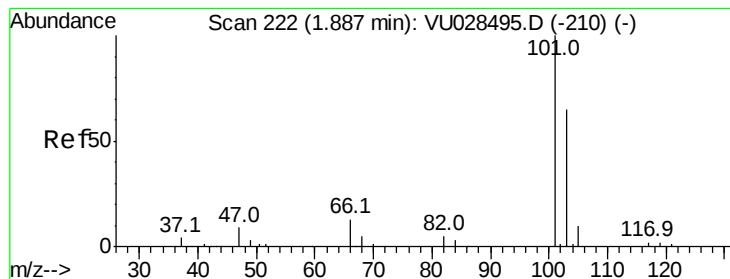
66 31.5 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



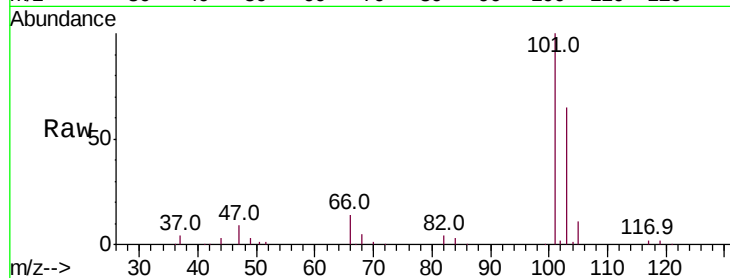


#7

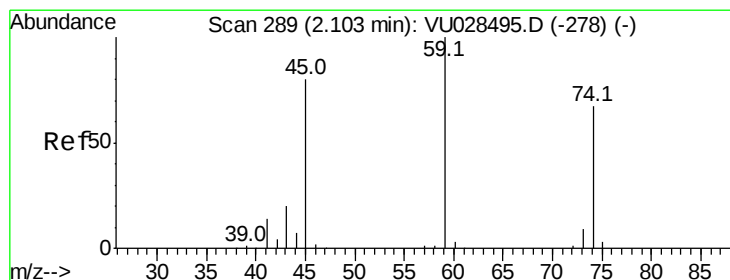
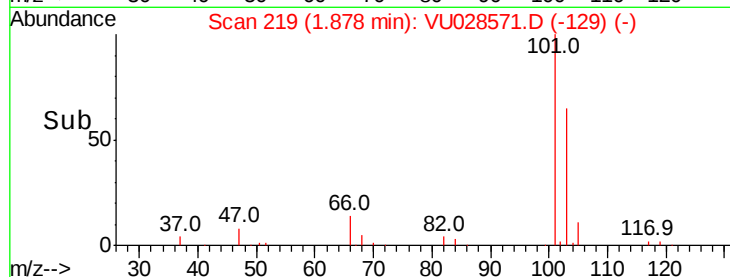
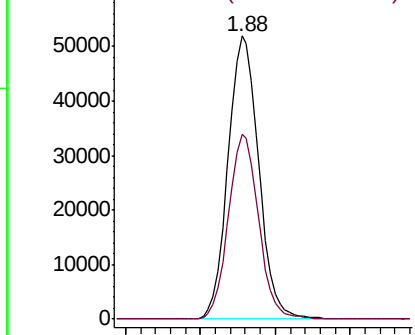
Trichlorofluoromethane
Concen: 51.577 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 74200
Ion Ratio Lower Upper
101 100
103 65.5 52.3 78.5



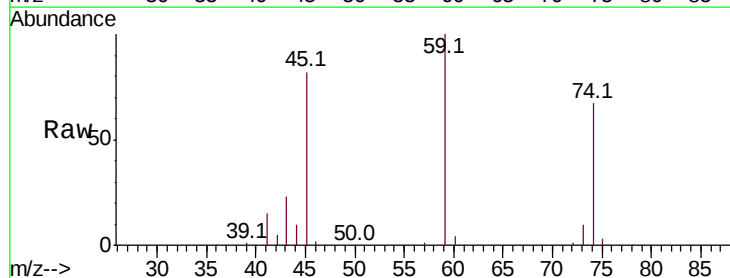
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



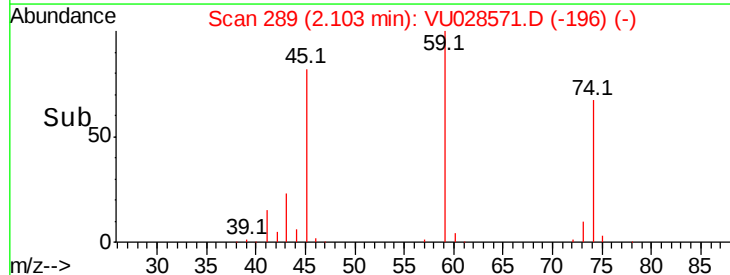
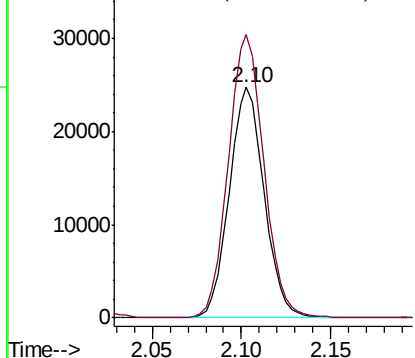
#8

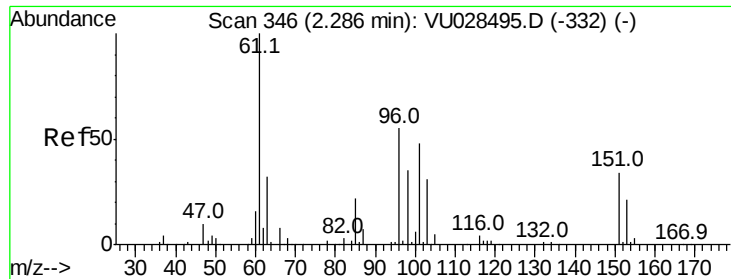
Diethyl Ether
Concen: 49.794 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 74 Resp: 33515
Ion Ratio Lower Upper
74 100
45 125.5 59.7 179.0



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: 52.850 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028571.D

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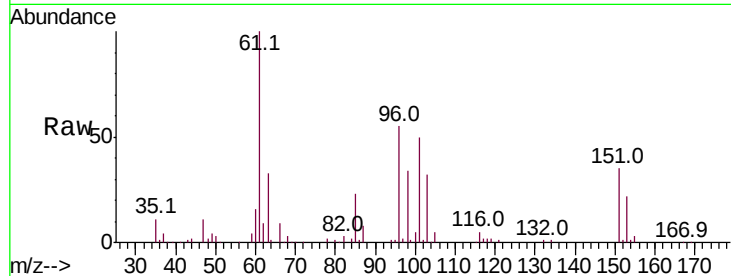
Tot Ion:101 Resp: 45472

Ion Ratio Lower Upper

101 100

85 46.0 36.4 54.6

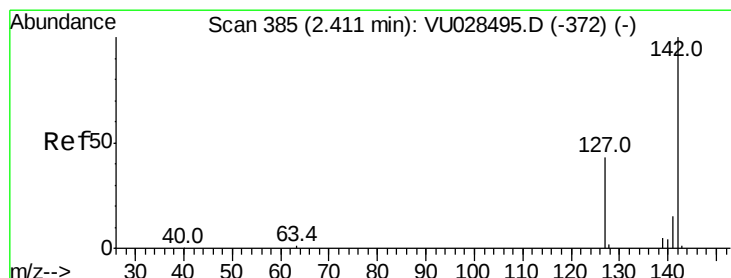
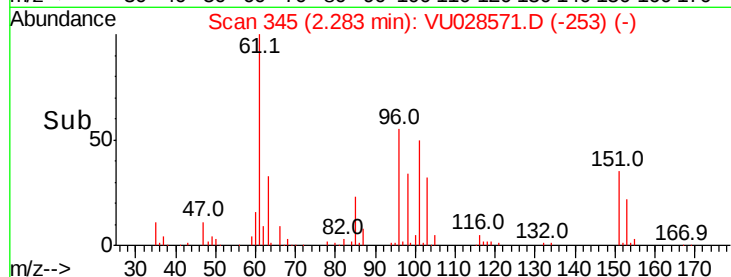
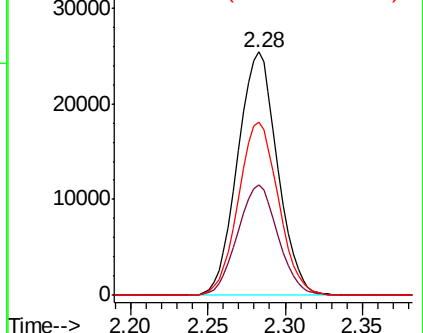
151 71.8 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.139 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

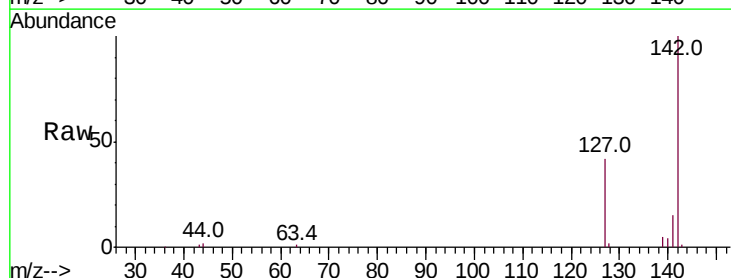
Tgt Ion:142 Resp: 37900

Ion Ratio Lower Upper

142 100

127 42.7 33.5 50.3

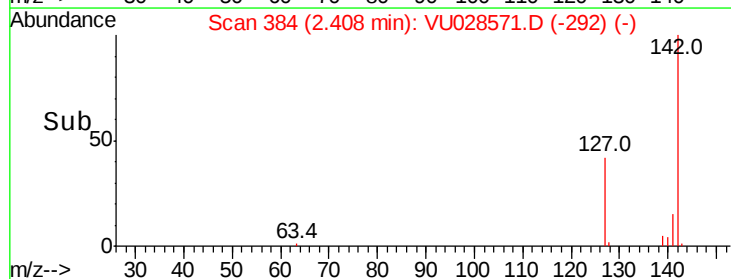
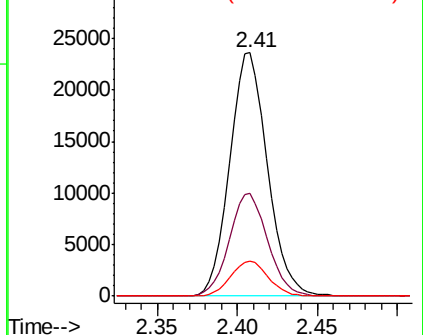
141 14.1 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



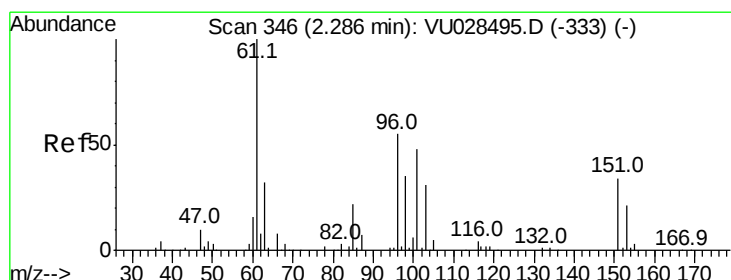
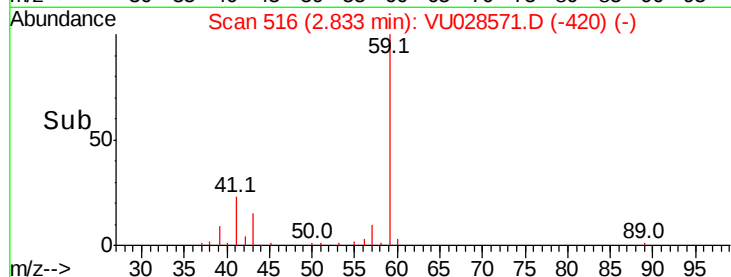
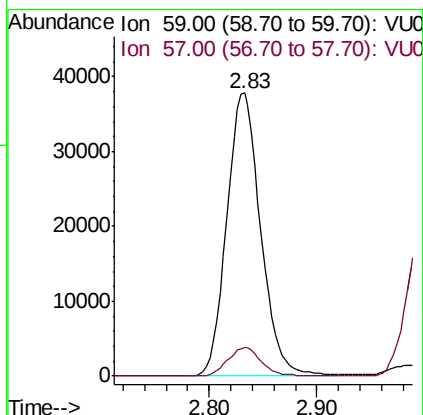
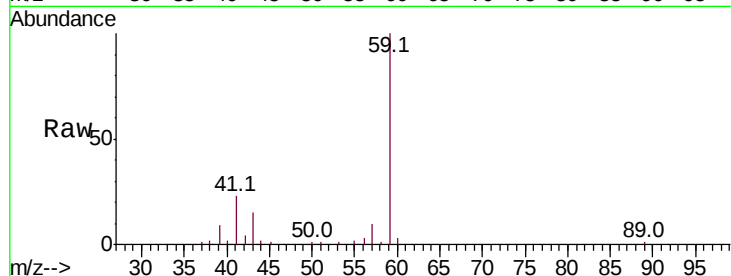


#11

Tert butyl alcohol
 Concen: 316.907 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

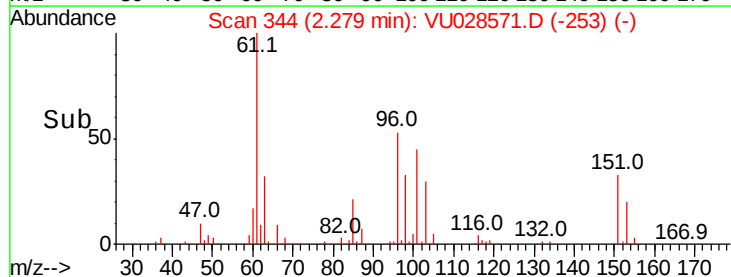
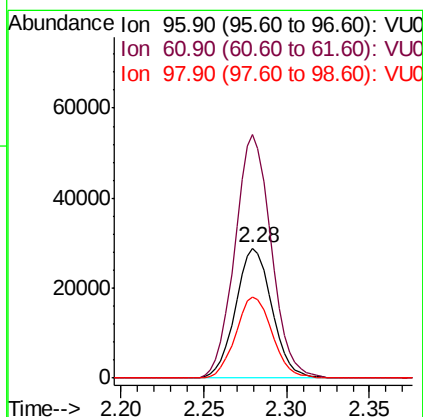
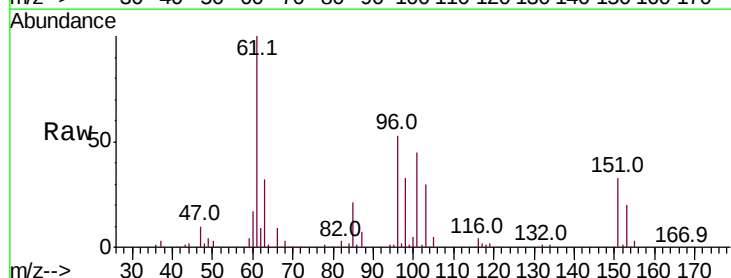
Tot Ion: 59 Resp: 82848
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.0 12.0

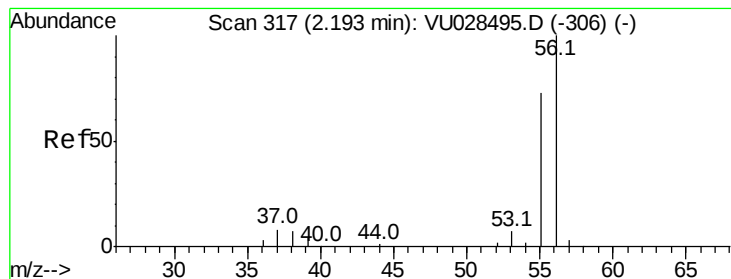


#12

1,1-Dichloroethene
 Concen: 51.506 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Tgt Ion: 96 Resp: 44093
 Ion Ratio Lower Upper
 96 100
 61 187.3 146.4 219.6
 98 62.7 51.8 77.8





#13

Acrolein

Concen: 252.683 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

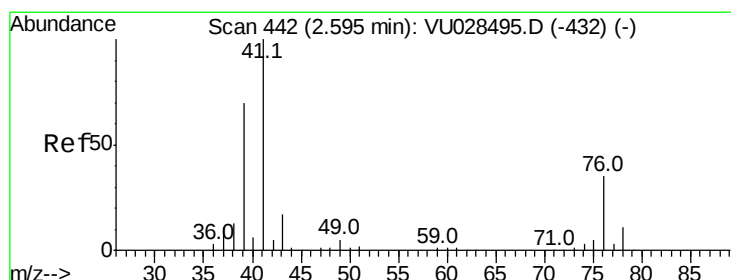
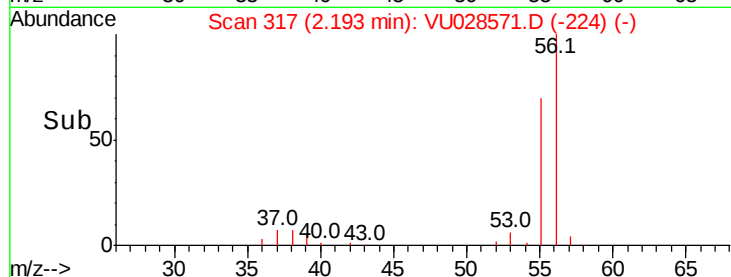
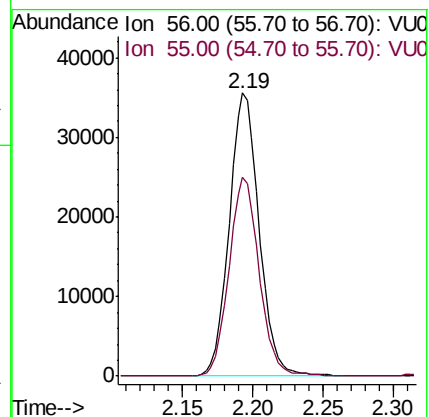
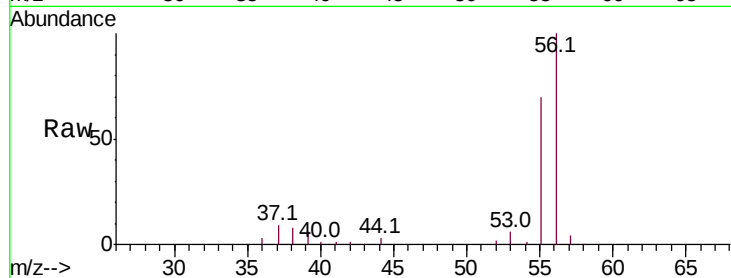
RE-131D1-20181205MS

Tot Ion: 56 Resp: 52661

Ion Ratio Lower Upper

56 100

55 70.7 57.5 86.3



#14

Allyl chloride

Concen: 51.651 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

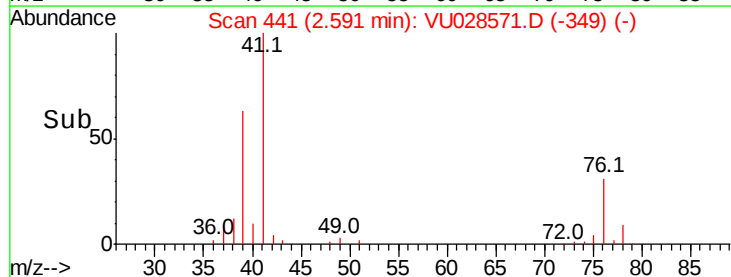
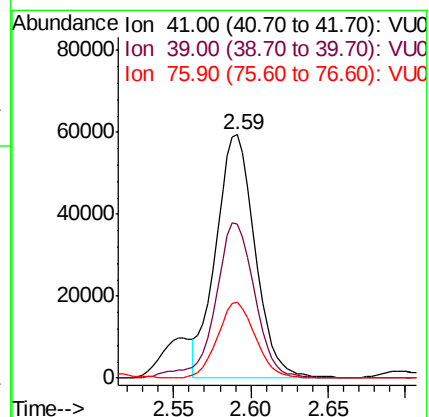
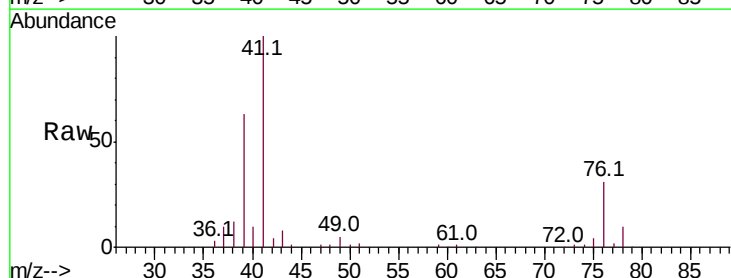
Tgt Ion: 41 Resp: 104604

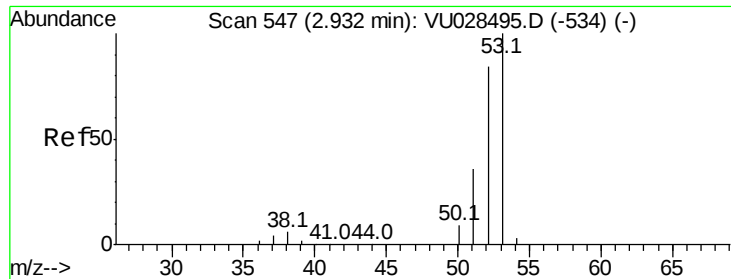
Ion Ratio Lower Upper

41 100

39 64.5 50.8 76.2

76 30.2 24.8 37.2





#15

Acrylonitrile

Concen: 289.679 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

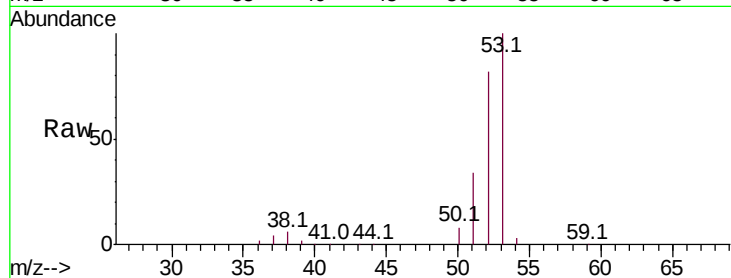
MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

Tot Ion: 53 Resp: 210250

Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	34.2	28.1	42.1



Abundance

Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

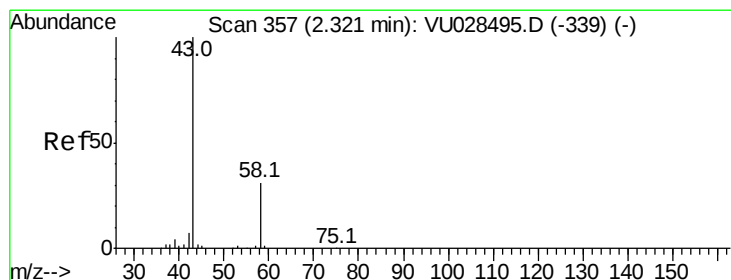
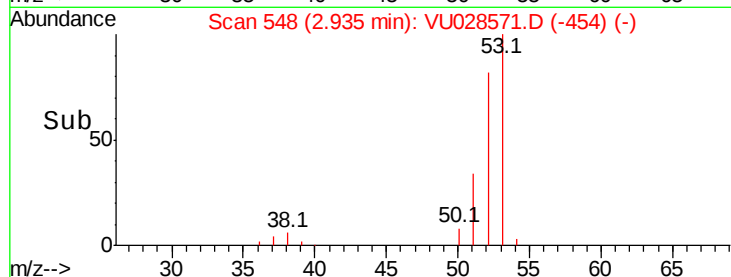
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 228.077 ug/l

RT: 2.32 min Scan# 357

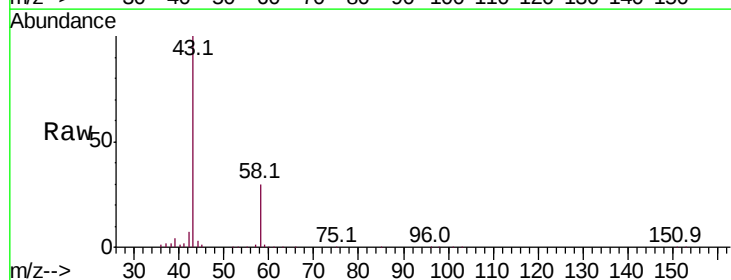
Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Tgt Ion: 43 Resp: 174637

Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.6	37.0



Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

120000

100000

80000

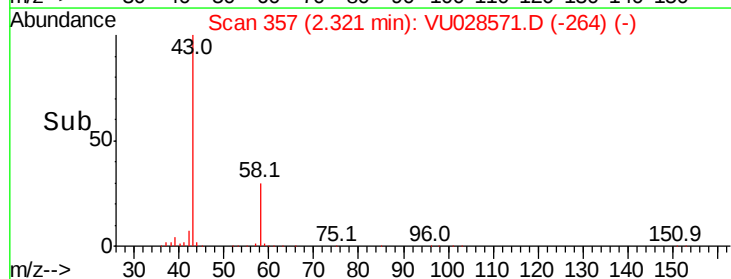
60000

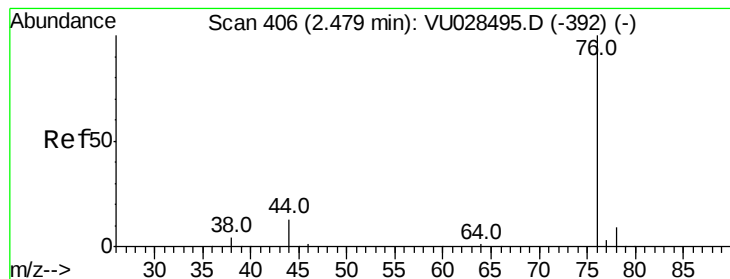
40000

20000

0

Time-->





#17

Carbon Disulfide

Concen: 48.964 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

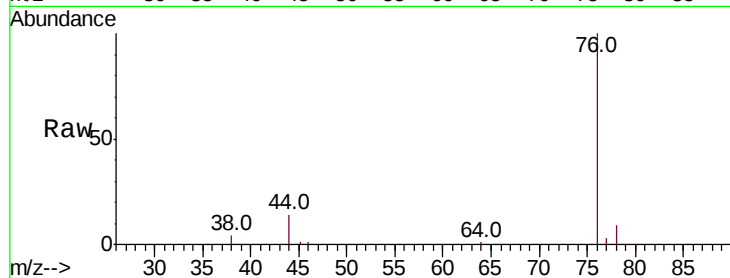
RE-131D1-20181205MS

Tot Ion: 76 Resp: 151007

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.47

100000

80000

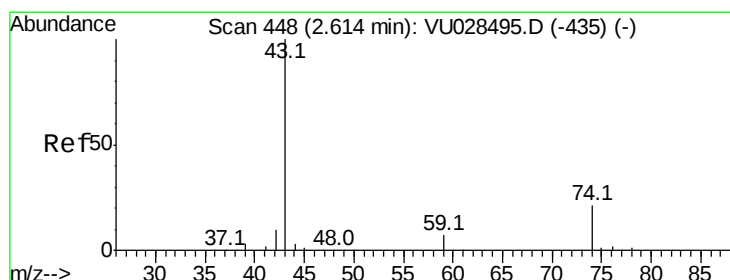
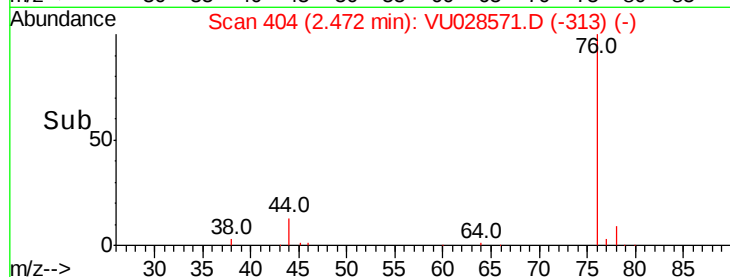
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 57.235 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028571.D

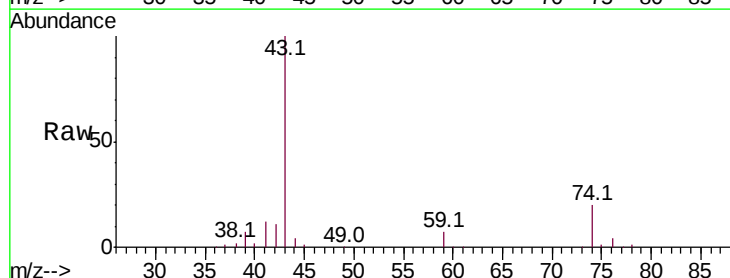
Acq: 10 Dec 2018 23:14

Tgt Ion: 43 Resp: 113604

Ion Ratio Lower Upper

43 100

74 19.4 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.61

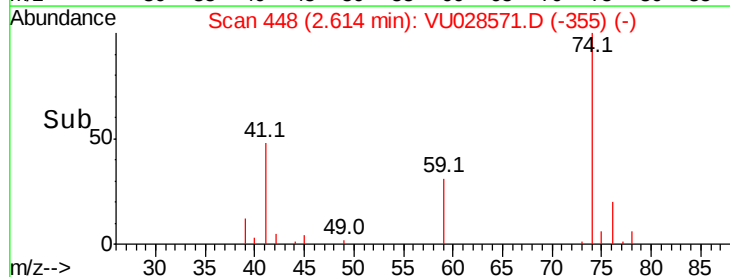
60000

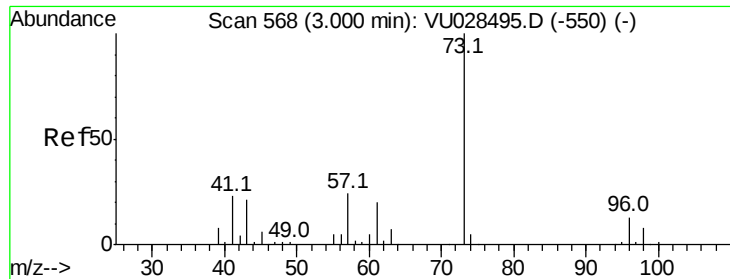
40000

20000

0

Time-->

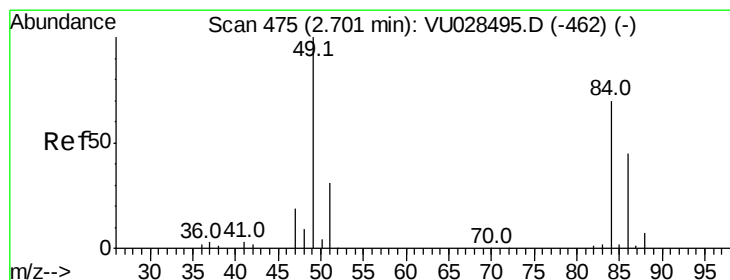
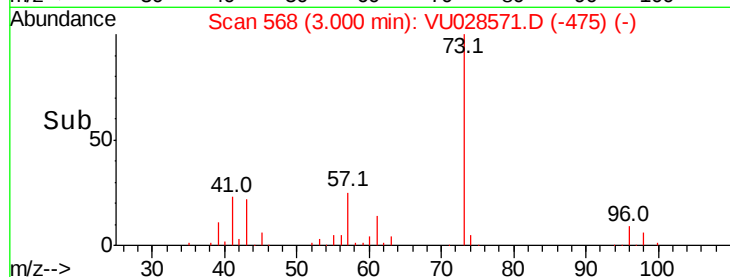
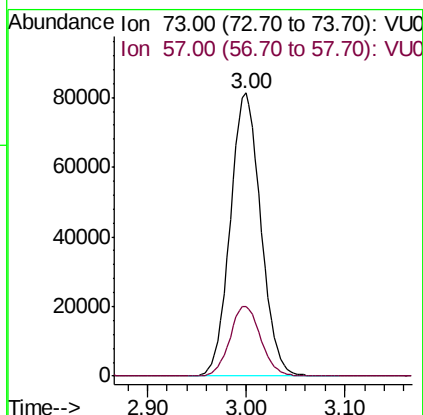
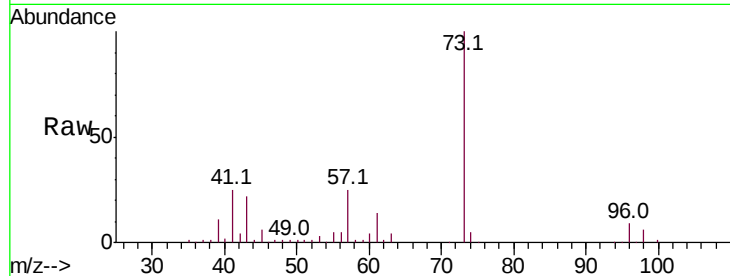




#19
Methvl tert-butvl Ether
Concen: 54.014 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

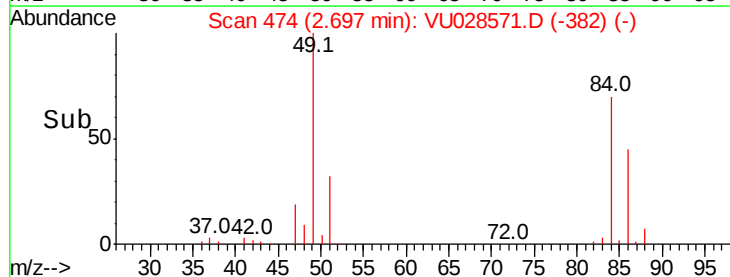
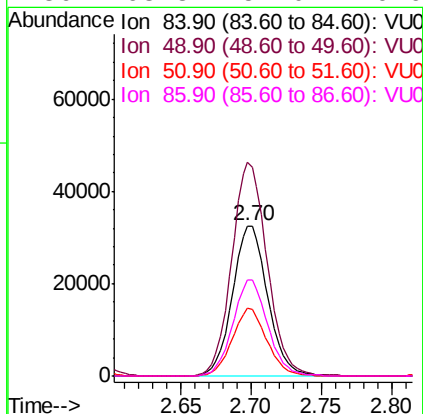
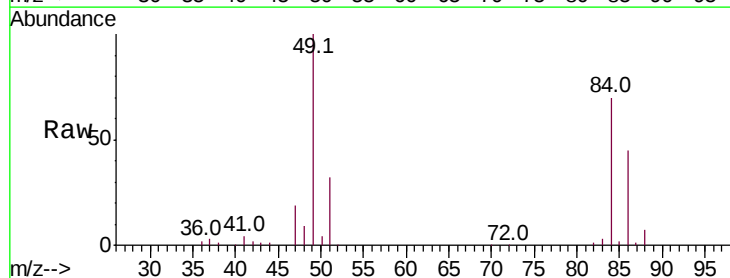
Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

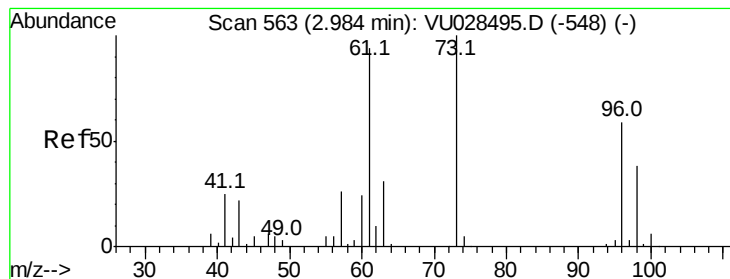
Tot Ion: 73 Resp: 175291
Ion Ratio Lower Upper
73 100
57 24.5 19.4 29.2



#20
Methylene Chloride
Concen: 50.340 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 84 Resp: 56821
Ion Ratio Lower Upper
84 100
49 142.5 114.0 171.0
51 44.9 35.1 52.7
86 63.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 51.755 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

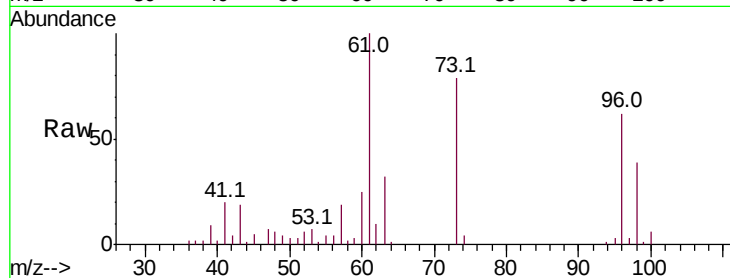
Tot Ion: 96 Resp: 49885

Ion Ratio Lower Upper

96 100

61 160.7 127.0 190.4

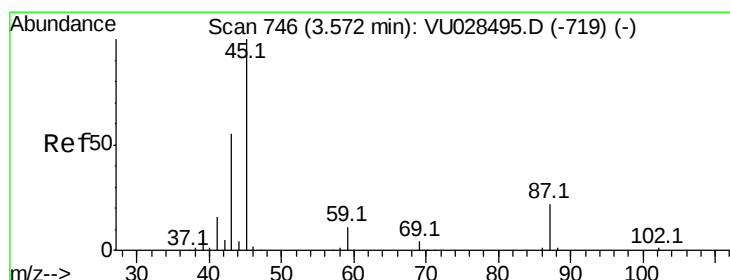
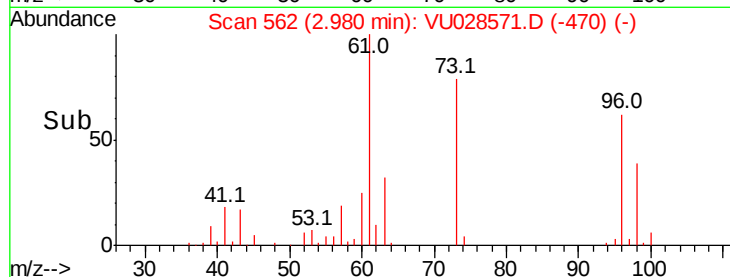
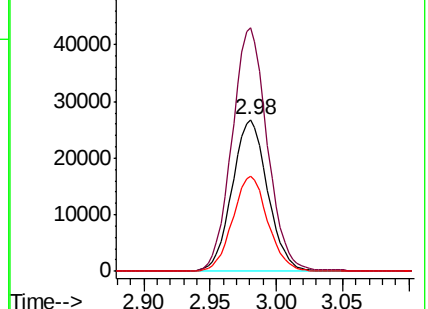
98 63.1 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)



#22

Diisopropyl ether

Concen: 56.018 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Tgt Ion: 45 Resp: 220618

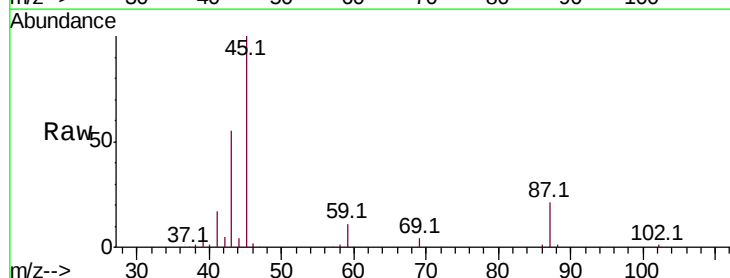
Ion Ratio Lower Upper

45 100

43 54.7 45.3 67.9

87 21.2 17.6 26.4

59 10.9 8.8 13.2

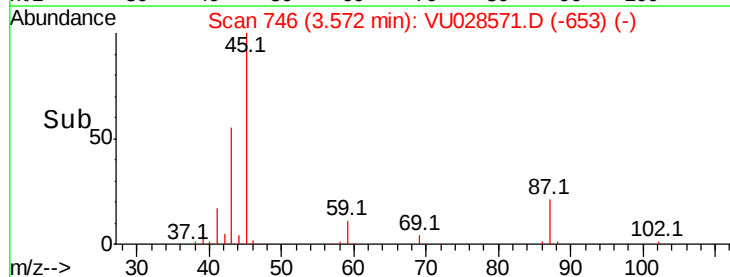
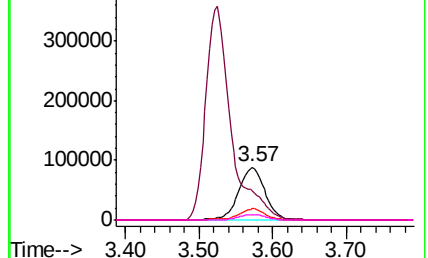


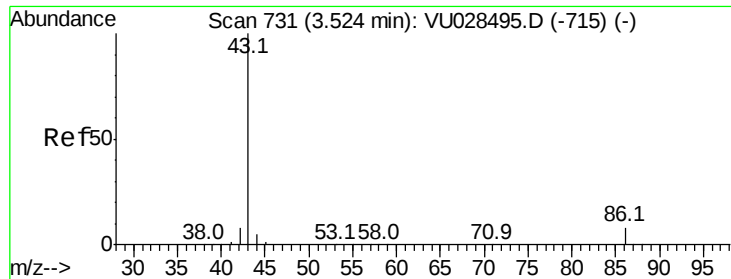
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)





#23

Vinyl Acetate

Concen: 265.152 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

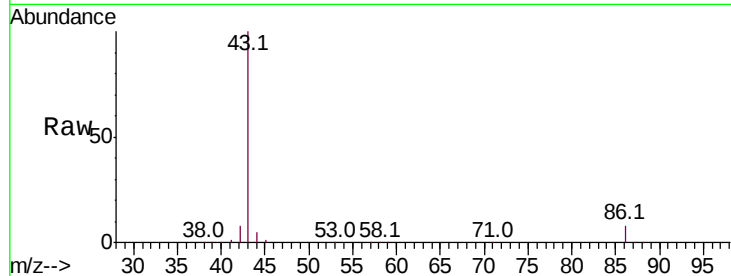
RE-131D1-20181205MS

Tot Ion: 43 Resp: 861350

Ion Ratio Lower Upper

43 100

86 7.8 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-715) (-)

Ion 86.00 (85.70 to 86.70): VU028495.D (-715) (-)

3.52

400000

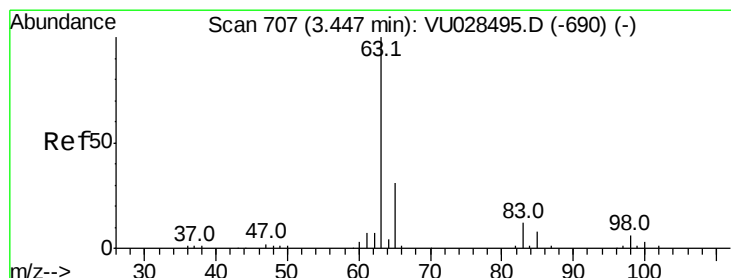
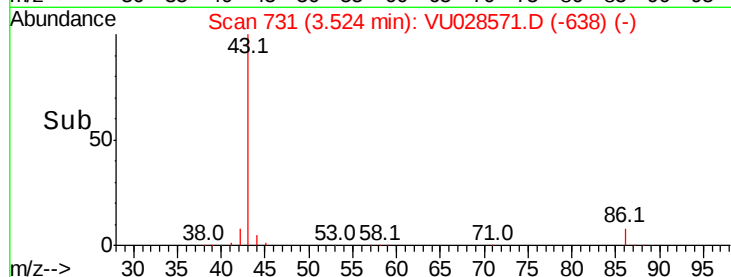
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.225 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

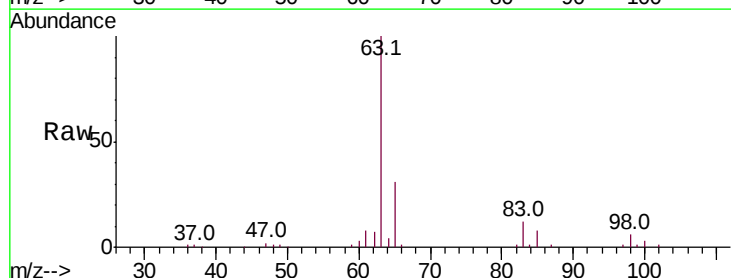
Tgt Ion: 63 Resp: 109726

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.4 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028495.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU028495.D (-690) (-)

3.44

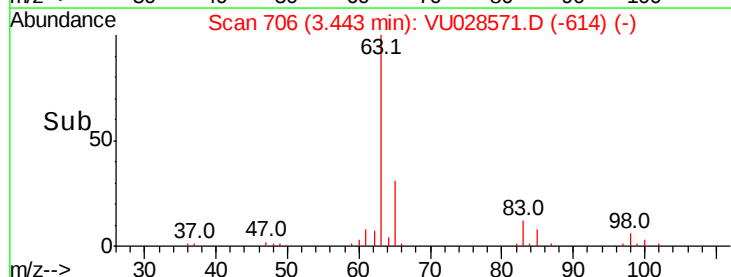
60000

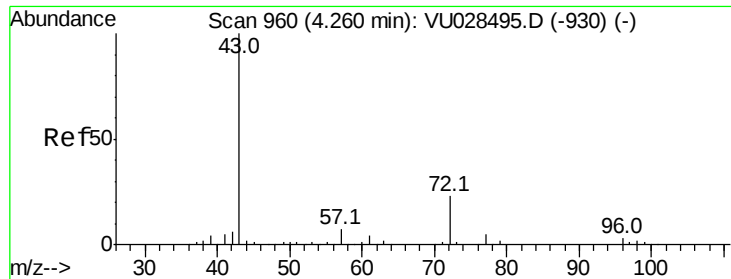
40000

20000

0

Time-->





#25

2-Butanone

Concen: 278.703 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

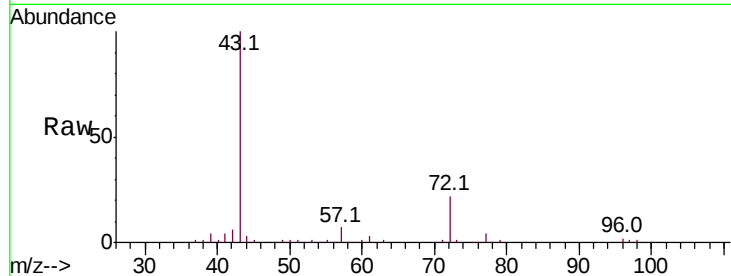
RE-131D1-20181205MS

Tot Ion: 43 Resp: 291633

Ion Ratio Lower Upper

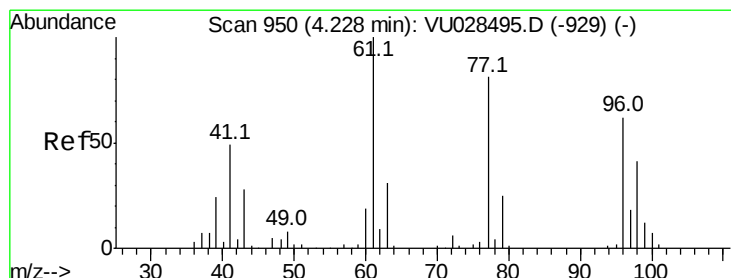
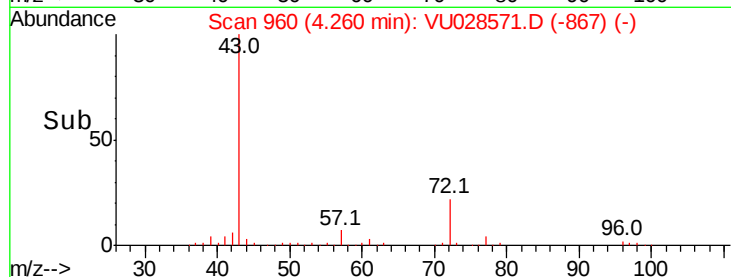
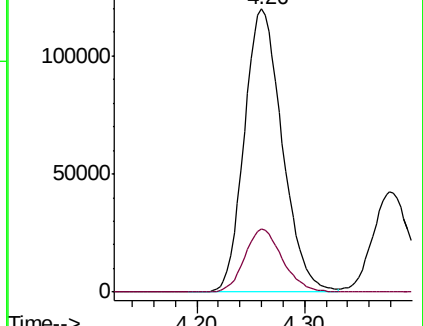
43 100

72 22.3 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 46.755 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028571.D

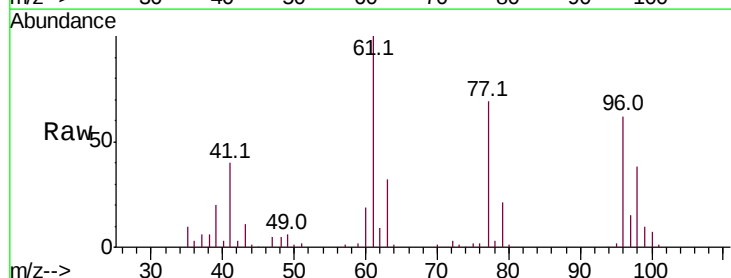
Acq: 10 Dec 2018 23:14

Tgt Ion: 77 Resp: 76373

Ion Ratio Lower Upper

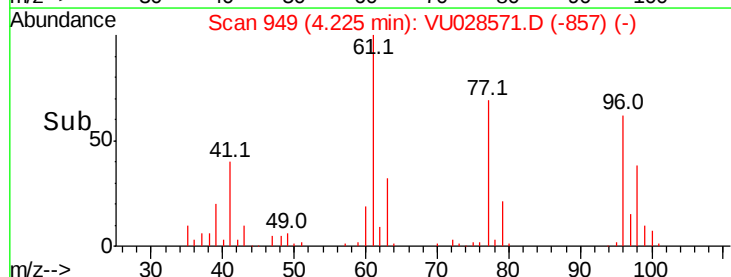
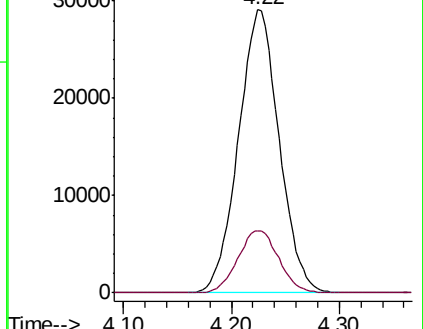
77 100

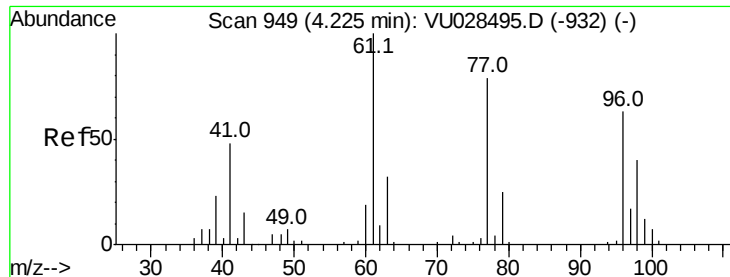
97 22.0 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



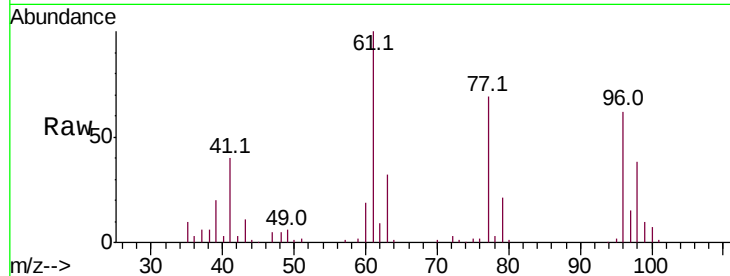


#27

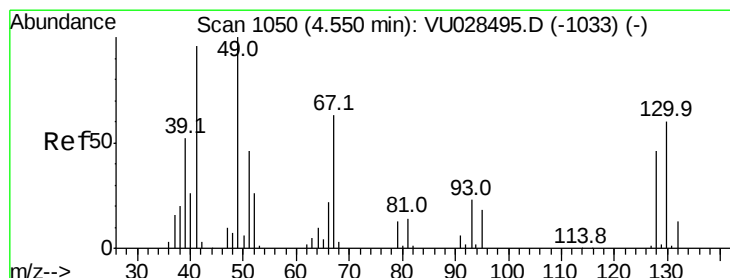
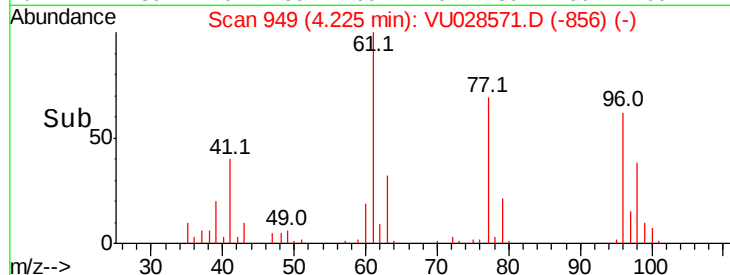
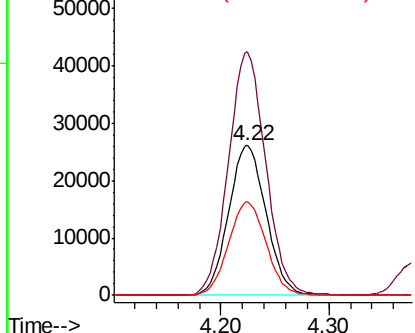
cis-1,2-Dichloroethene
Concen: 57.935 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.9	0.0	332.4
98	62.4	0.0	129.0



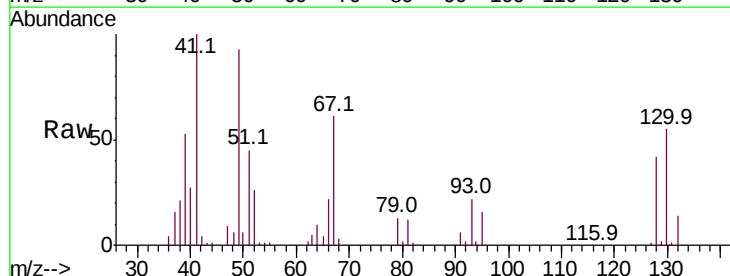
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



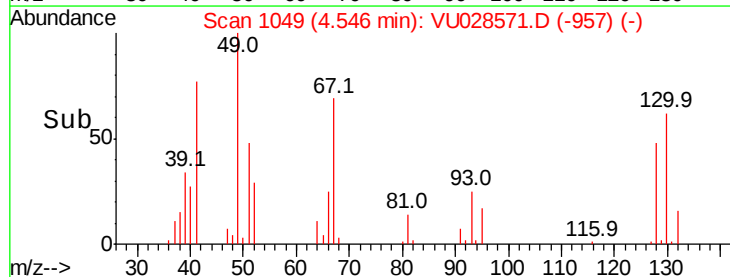
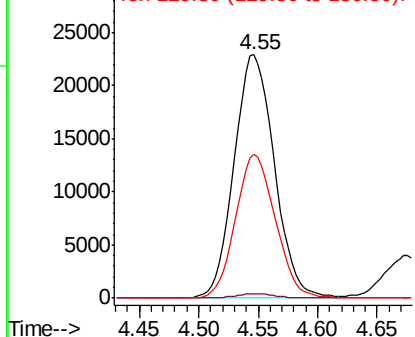
#28

Bromochloromethane
Concen: 57.449 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	58.1	47.8	71.8



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





#29

Tetrahydrofuran

Concen: 303.023 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

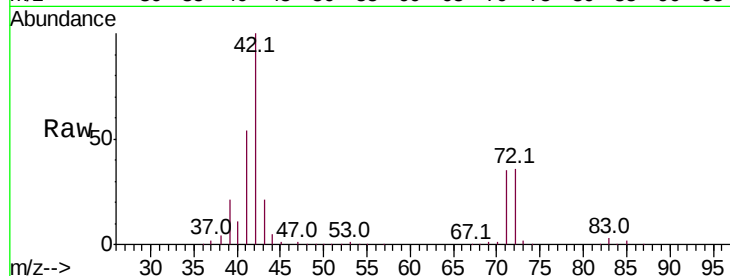
Tot Ion: 42 Resp: 203642

Ion Ratio Lower Upper

42 100

72 36.1 31.4 47.0

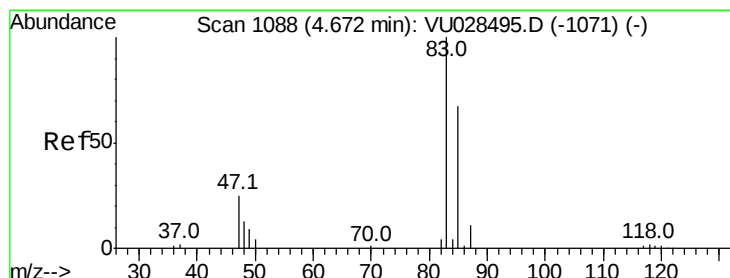
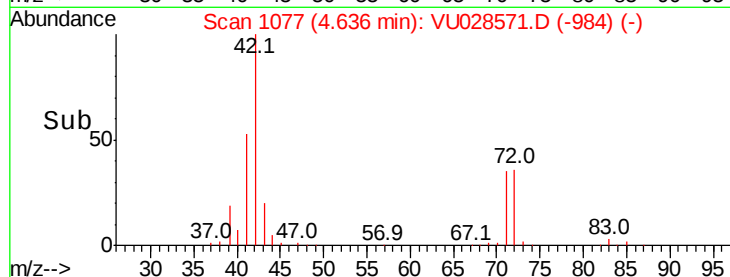
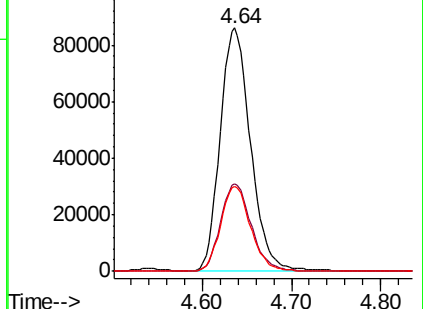
71 34.4 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 57.421 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028571.D

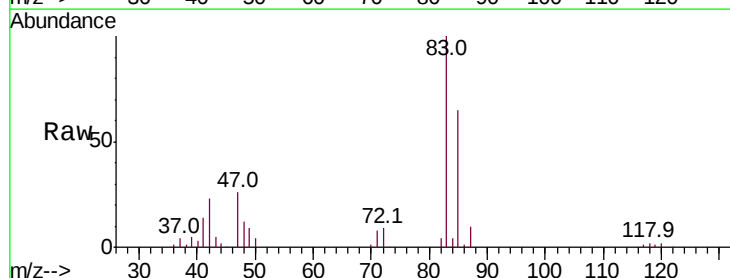
Acq: 10 Dec 2018 23:14

Tgt Ion: 83 Resp: 103173

Ion Ratio Lower Upper

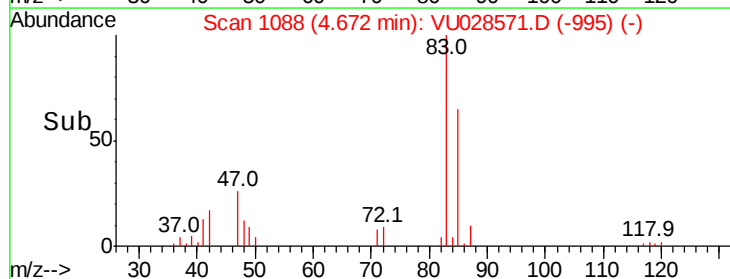
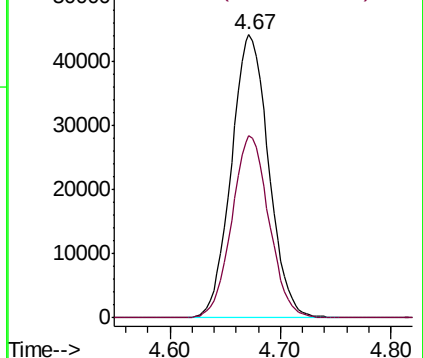
83 100

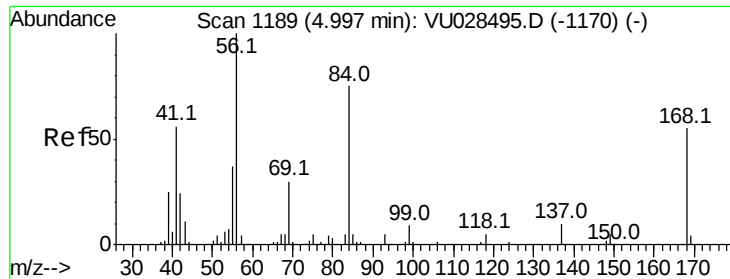
85 64.5 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

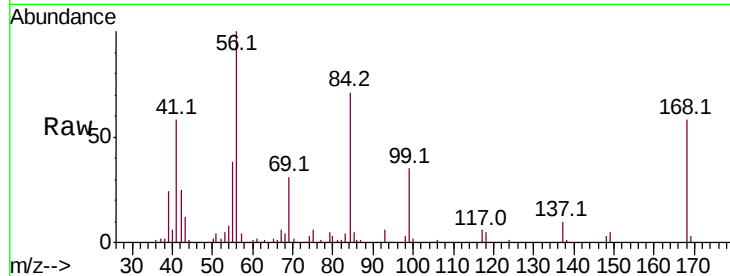




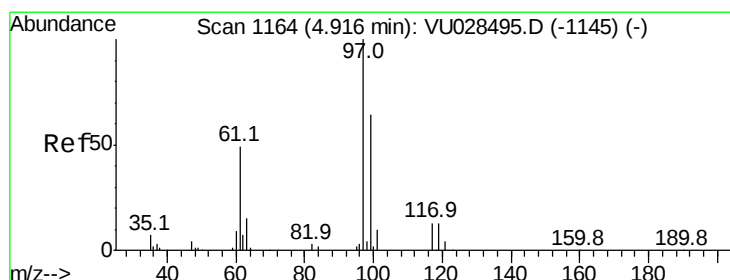
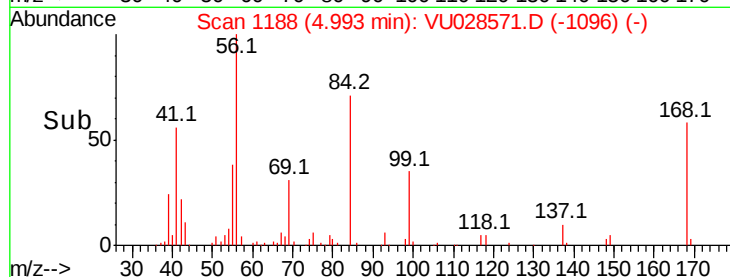
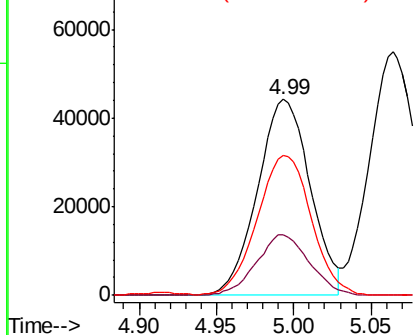
#31
Cyclohexane
Concen: 52.262 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion: 56 Resp: 105031
Ion Ratio Lower Upper
56 100
69 31.1 24.0 36.0
84 70.7 59.7 89.5

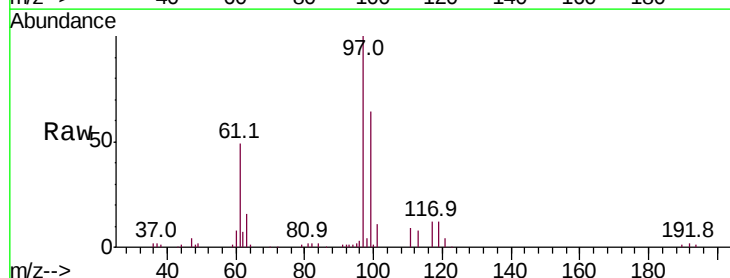


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

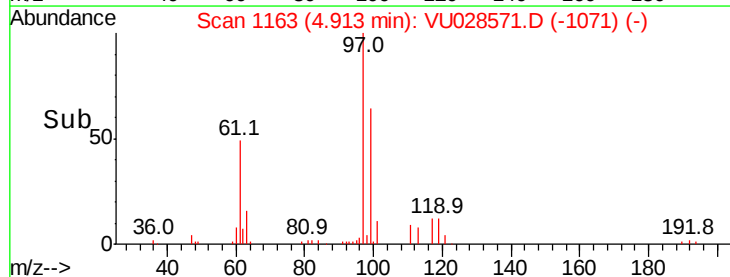
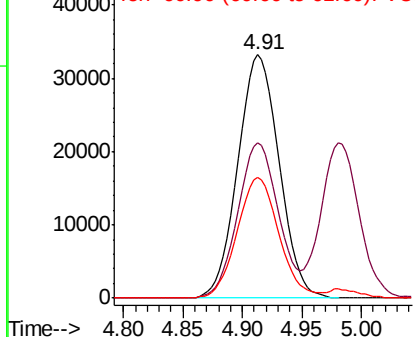


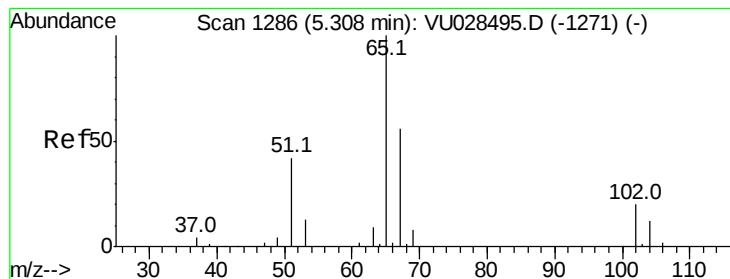
#32
1,1,1-Trichloroethane
Concen: 53.682 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 97 Resp: 80108
Ion Ratio Lower Upper
97 100
99 62.8 52.3 78.5
61 50.1 39.0 58.6



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





#33

1,2-Dichloroethane-d4

Concen: 57.222 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

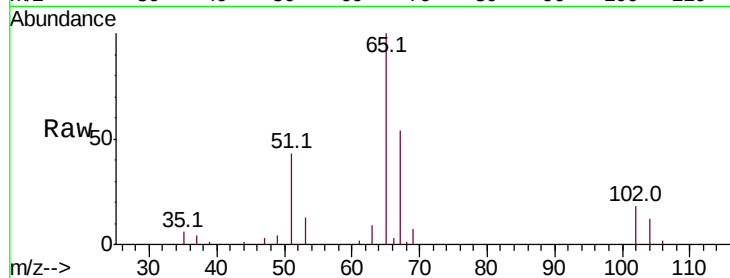
RE-131D1-20181205MS

Tot Ion: 65 Resp: 67144

Ion Ratio Lower Upper

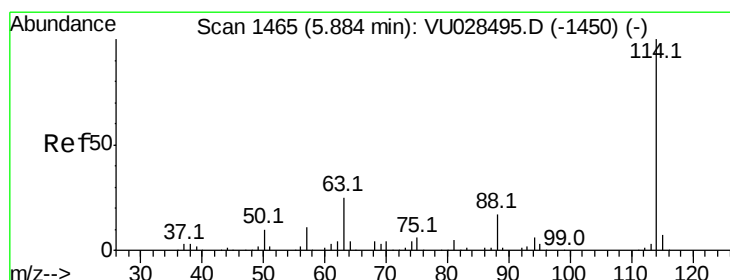
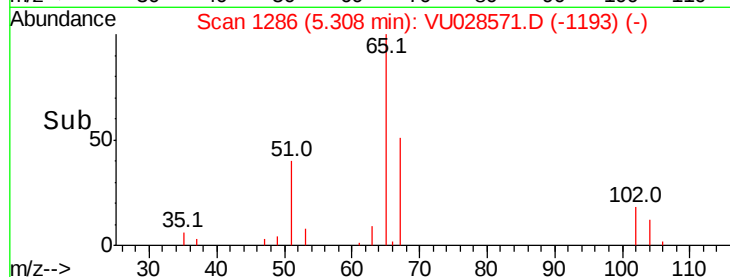
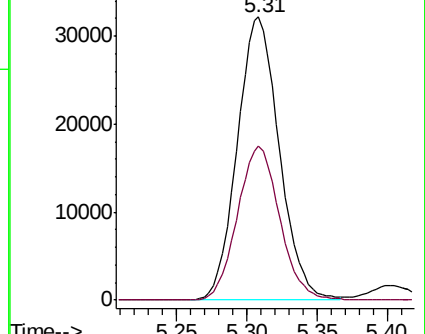
65 100

67 54.6 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

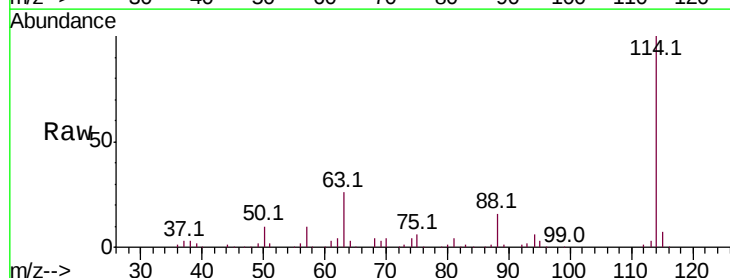
Tgt Ion:114 Resp: 139088

Ion Ratio Lower Upper

114 100

63 25.6 0.0 49.2

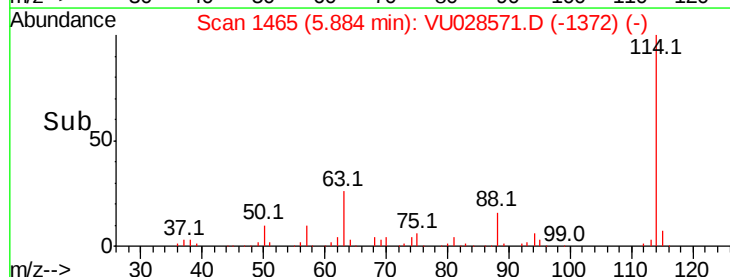
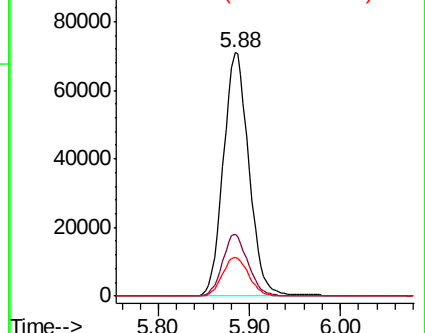
88 15.8 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VU028495.D (-1450) (-)

Ion 63.00 (62.70 to 63.70): VU028495.D (-1450) (-)

Ion 87.90 (87.60 to 88.60): VU028495.D (-1450) (-)





#35

Dibromofluoromethane

Concen: 54.578 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

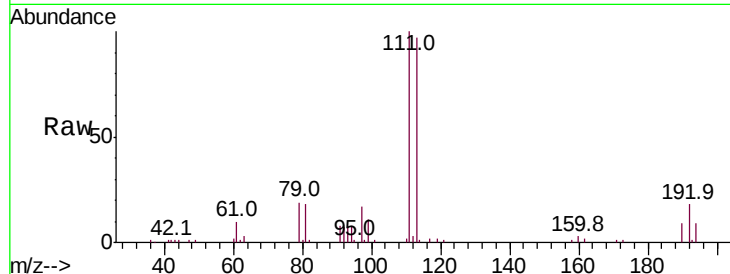
Tot Ion:113 Resp: 47772

Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.0

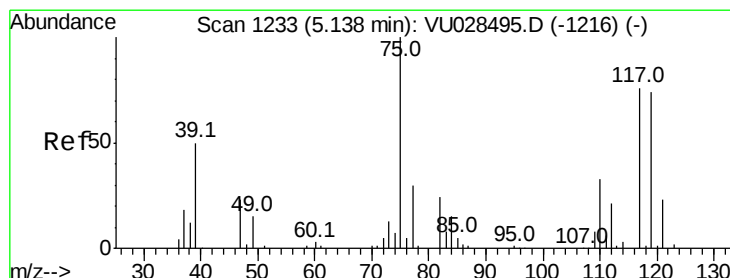
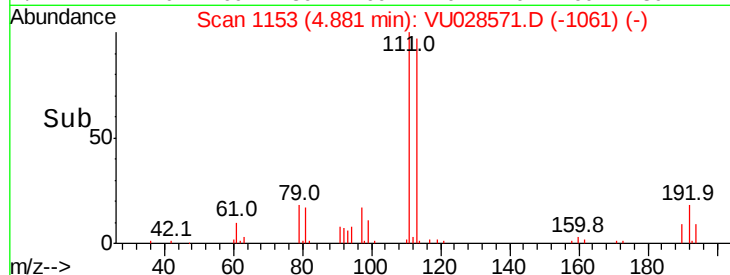
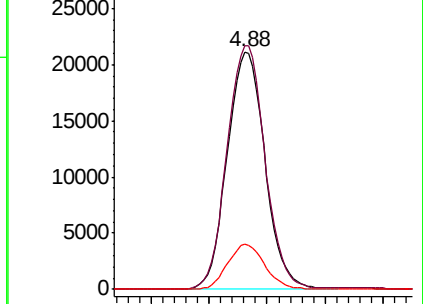
192 18.6 14.8 22.2



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: 48.339 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

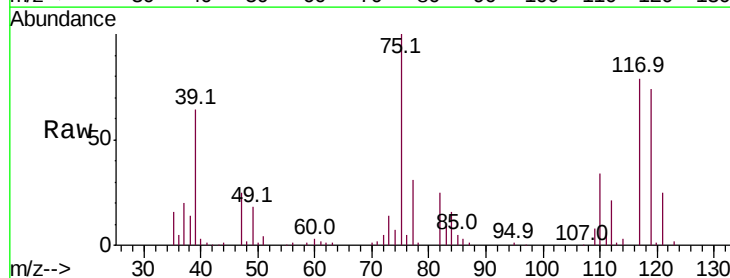
Tgt Ion: 75 Resp: 73573

Ion Ratio Lower Upper

75 100

110 33.0 16.1 48.2

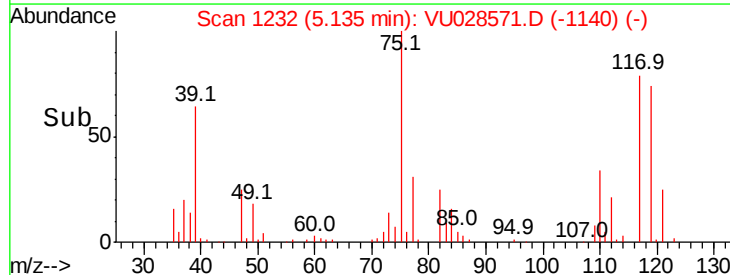
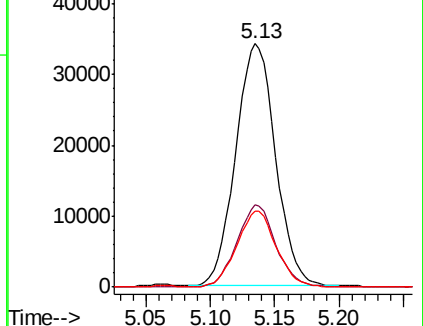
77 31.1 24.5 36.7

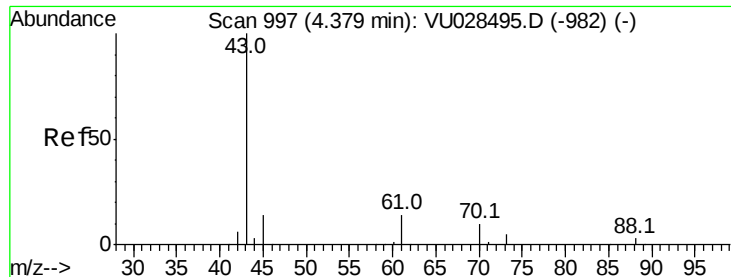


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 52.641 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

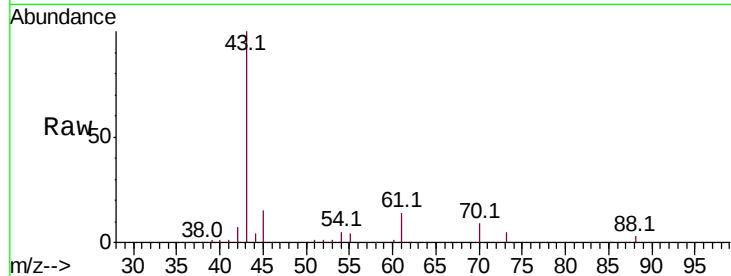
Tot Ion: 43 Resp: 103573

Ion Ratio Lower Upper

43 100

61 13.5 11.0 16.4

70 9.0 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)

150000

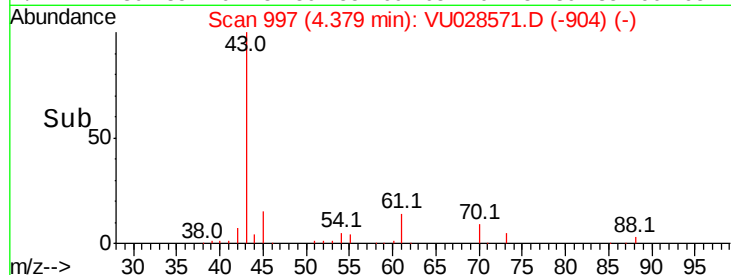
100000

50000

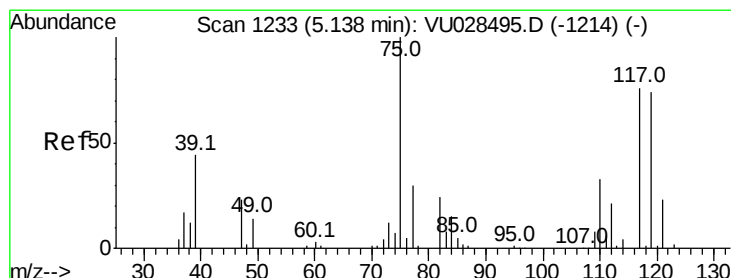
0

4.38

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 51.487 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

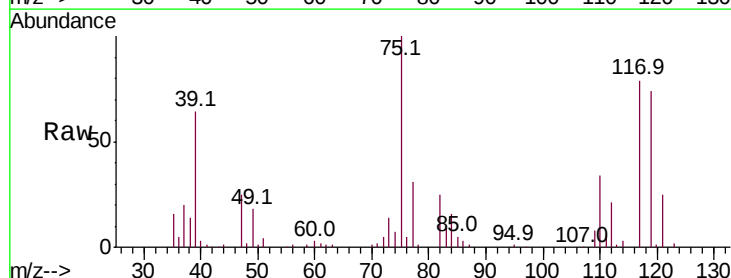
Tgt Ion: 117 Resp: 63161

Ion Ratio Lower Upper

117 100

119 93.4 77.6 116.4

121 31.2 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)

30000

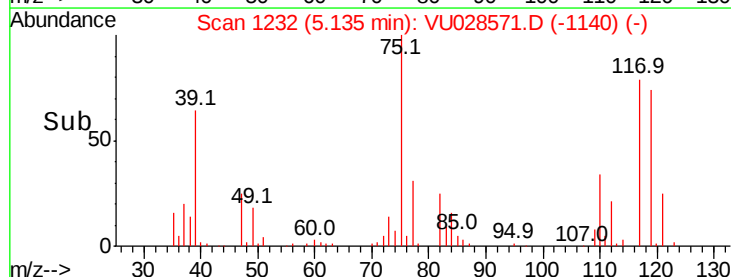
20000

10000

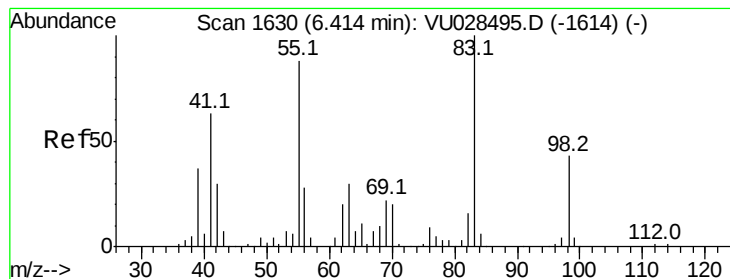
0

5.13

Time-->



Time-->



#39

Methvlcvclohexane

Concen: 46.197 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

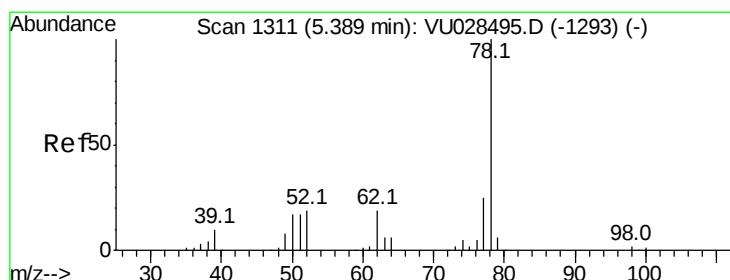
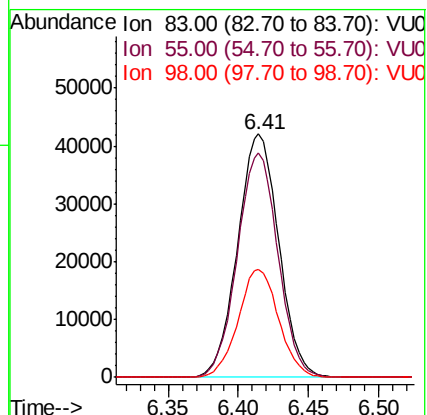
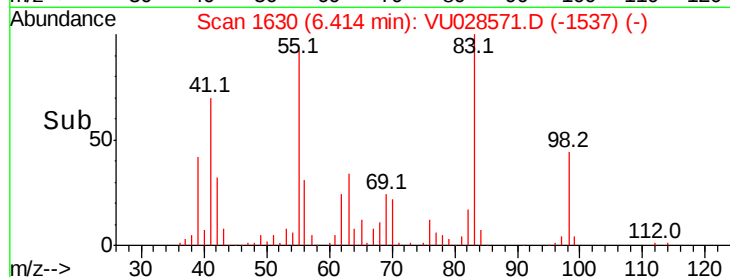
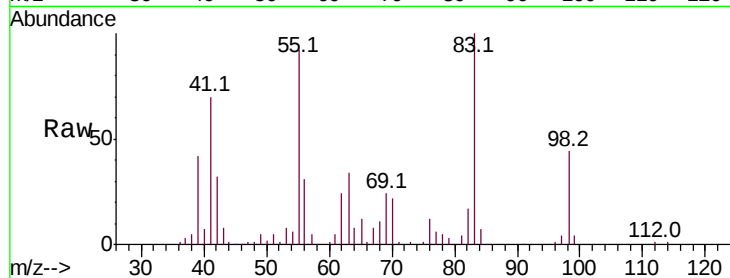
Tot Ion: 83 Resp: 85780

Ion Ratio Lower Upper

83 100

55 91.9 70.2 105.2

98 44.4 34.2 51.4



#40

Benzene

Concen: 51.505 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028571.D

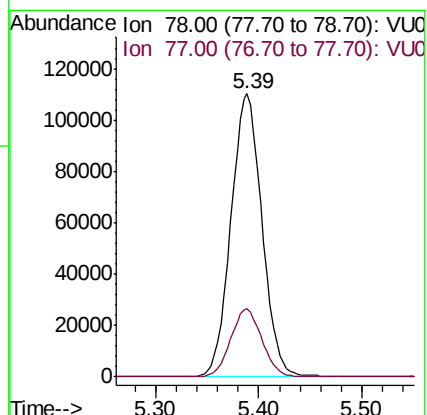
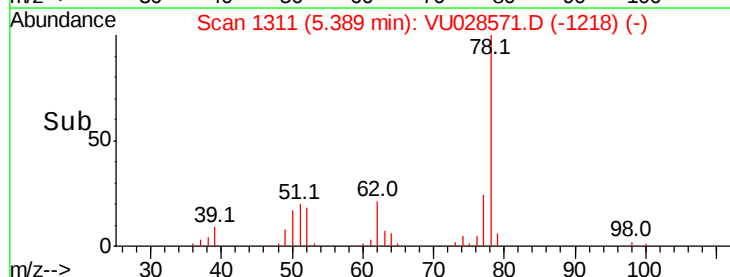
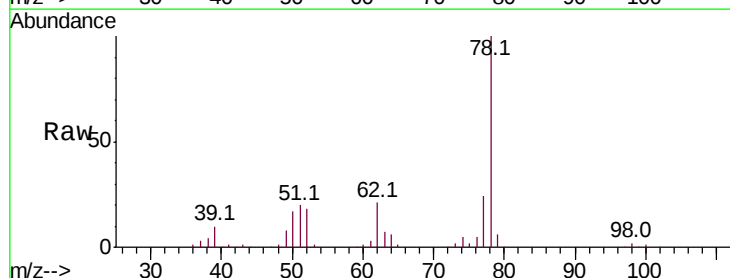
Acq: 10 Dec 2018 23:14

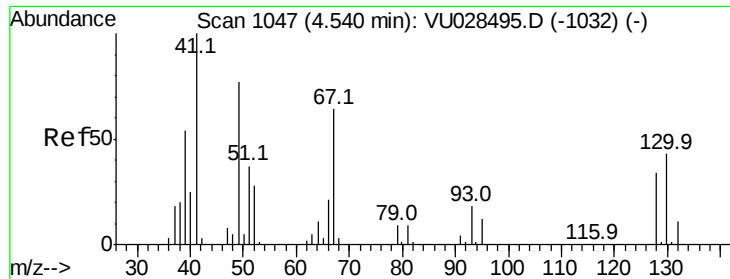
Tgt Ion: 78 Resp: 230880

Ion Ratio Lower Upper

78 100

77 24.0 19.9 29.9

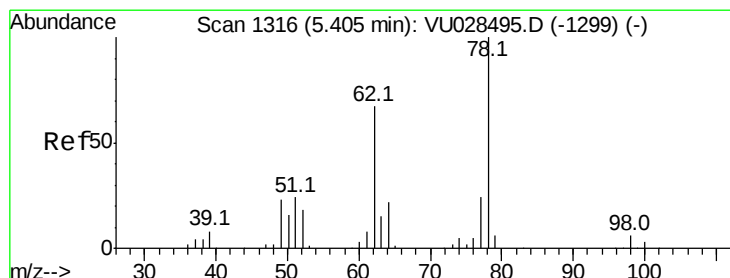
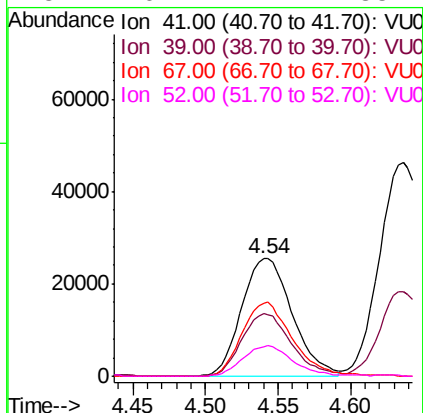
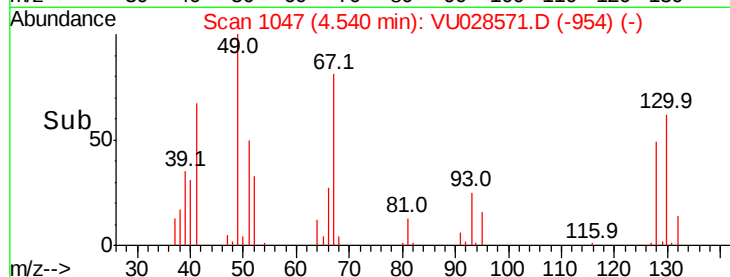
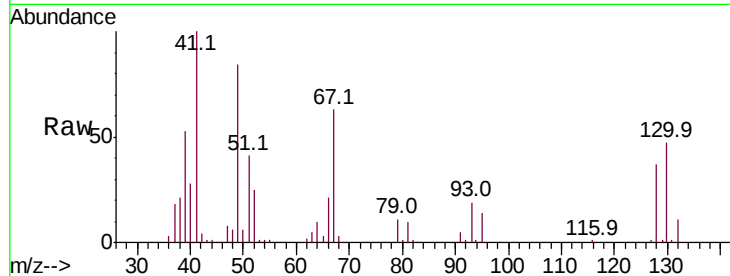




#41
Methacrylonitrile
Concen: 57.559 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

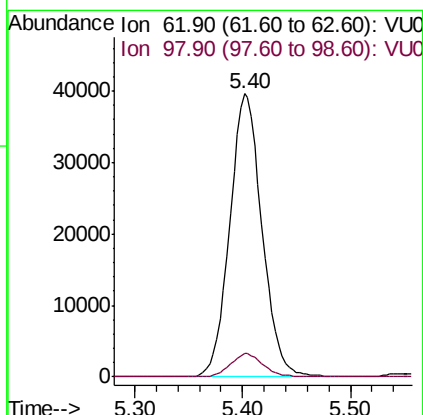
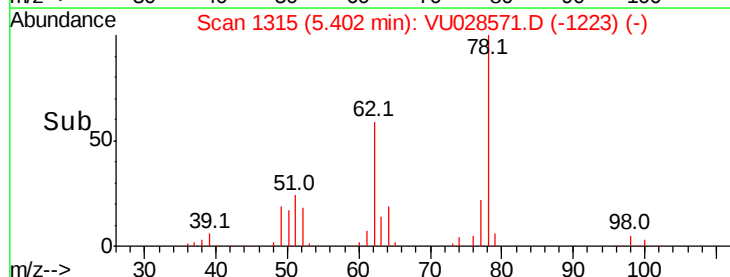
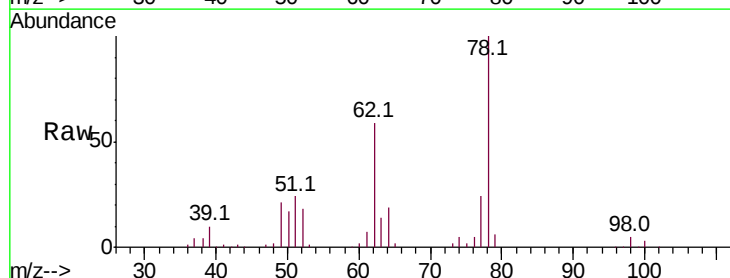
Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

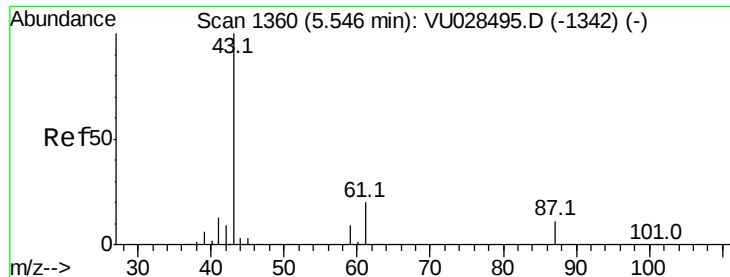
Tot Ion:	41	Resp:	62020
Ion	Ratio	Lower	Upper
41	100		
39	52.2	43.3	64.9
67	62.4	53.6	80.4
52	26.2	22.1	33.1



#42
1,2-Dichloroethane
Concen: 52.545 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion:	62	Resp:	82449
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.2





#43

Isopropyl Acetate

Concen: 53.870 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

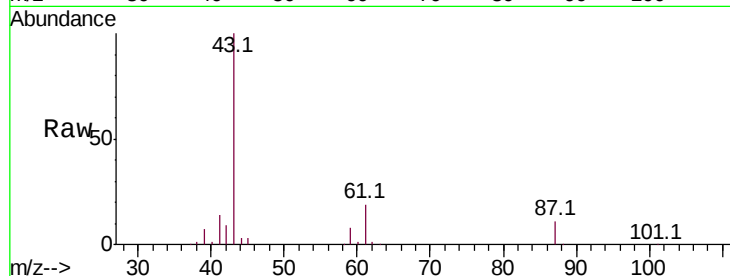
Tot Ion: 43 Resp: 167644

Ion Ratio Lower Upper

43 100

61 18.9 15.5 23.3

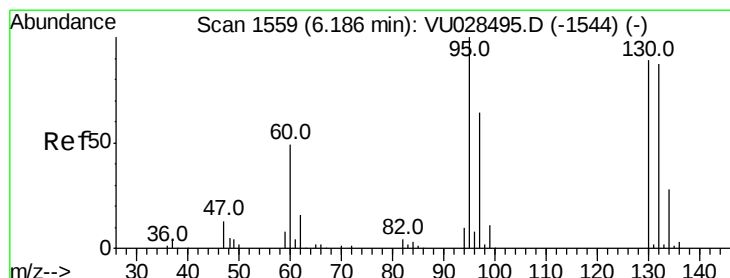
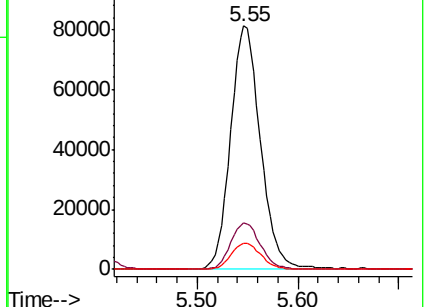
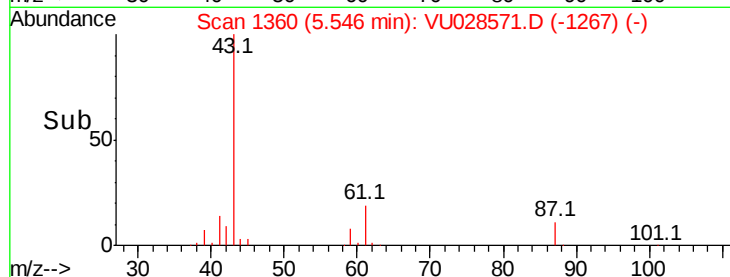
87 10.8 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028495.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-1342) (-)



#44

Trichloroethene

Concen: 229.302 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028571.D

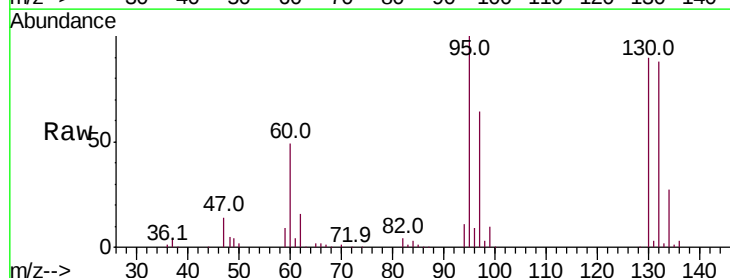
Acq: 10 Dec 2018 23:14

Tgt Ion:130 Resp: 228549

Ion Ratio Lower Upper

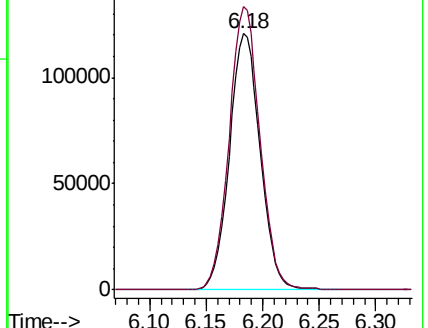
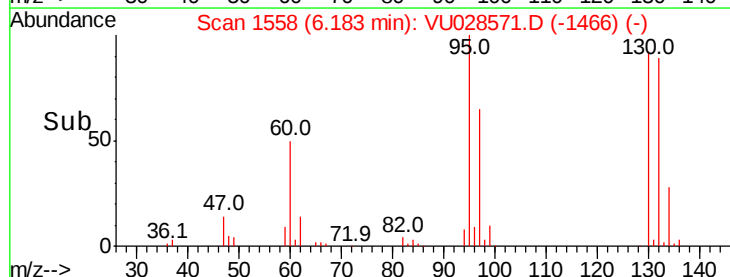
130 100

95 110.5 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 53.661 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

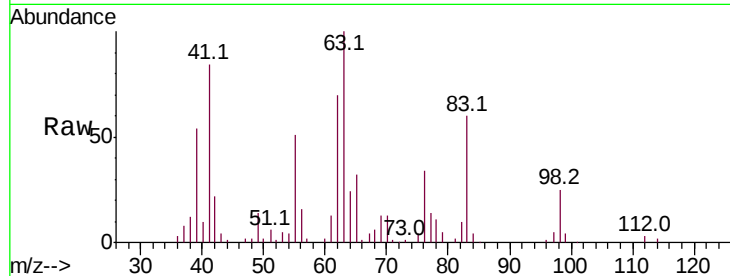
RE-131D1-20181205MS

Tot Ion: 63 Resp: 67643

Ion Ratio Lower Upper

63 100

65 32.5 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU028495.D (-1619) (-)

Ion 64.90 (64.60 to 65.60): VU028495.D (-1619) (-)

6.43

40000

30000

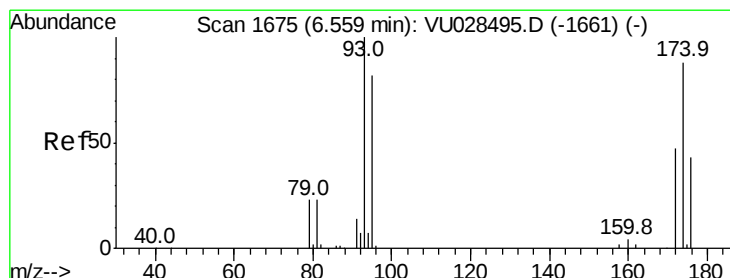
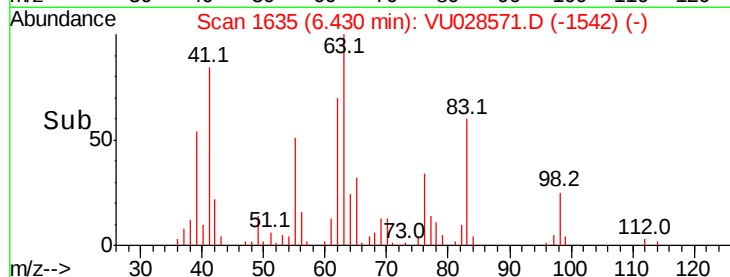
20000

10000

0

6.35 6.40 6.45 6.50 6.55

Time-->



#46

Dibromomethane

Concen: 52.767 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

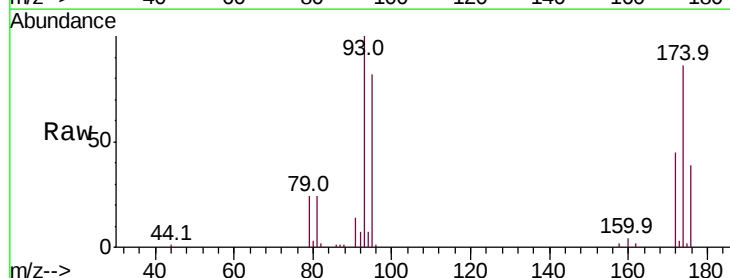
Tgt Ion: 93 Resp: 39466

Ion Ratio Lower Upper

93 100

95 81.4 65.4 98.2

174 88.5 72.2 108.4



Abundance Ion 92.80 (92.50 to 93.50): VU028495.D (-1661) (-)

Ion 94.80 (94.50 to 95.50): VU028495.D (-1661) (-)

Ion 173.70 (173.40 to 174.40): VU028495.D (-1661) (-)

6.56

25000

20000

15000

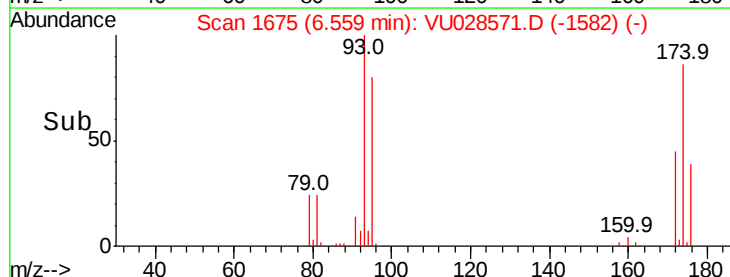
10000

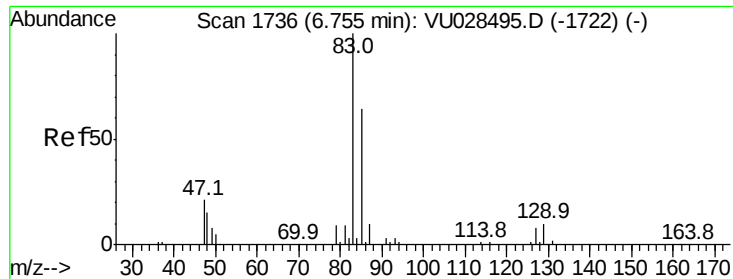
5000

0

6.50 6.55 6.60 6.65

Time-->

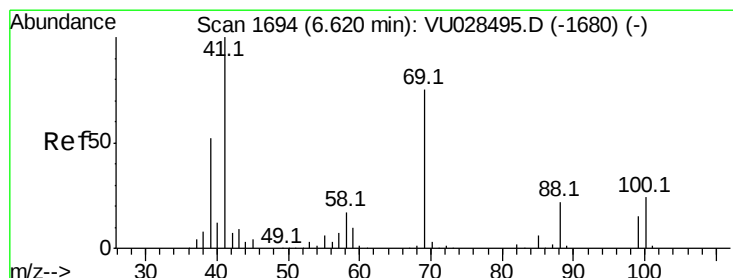
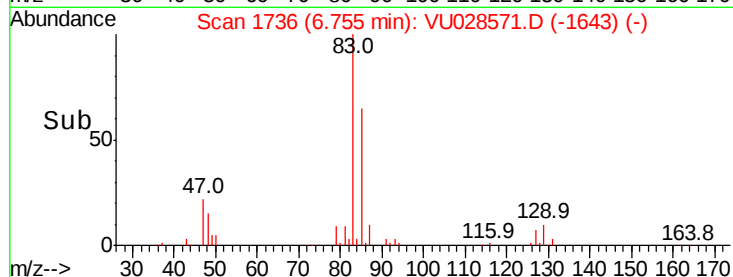
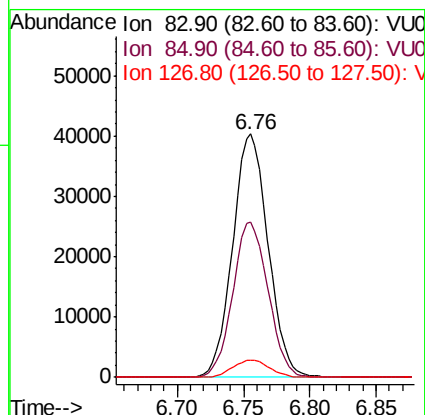
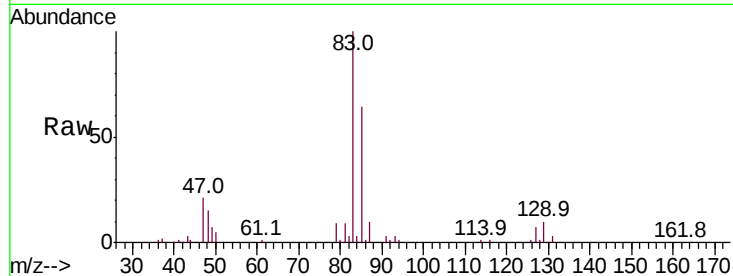




#47
Bromodichloromethane
Concen: 51.381 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

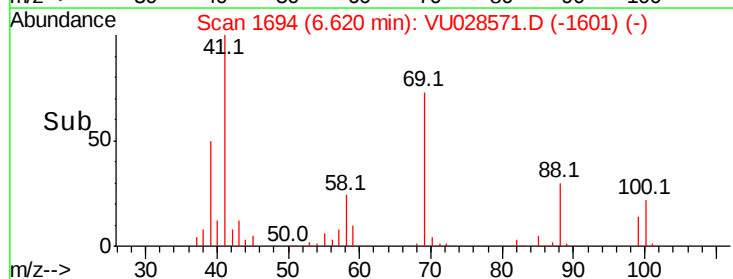
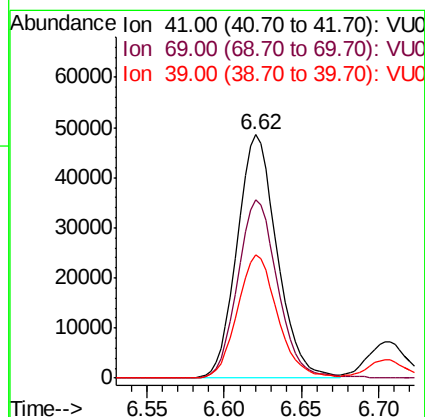
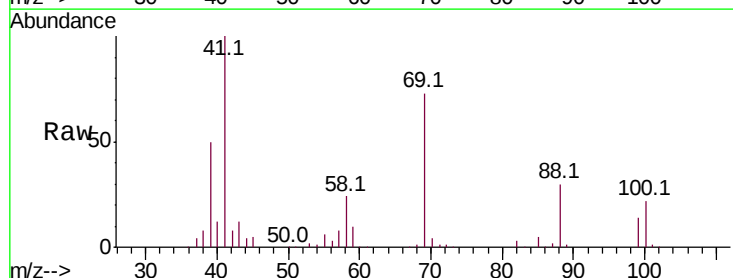
Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

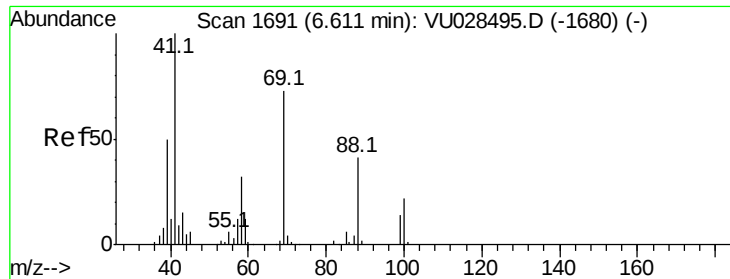
Tot Ion: 83 Resp: 74781
Ion Ratio Lower Upper
83 100
85 64.0 51.5 77.3
127 7.2 6.2 9.4



#48
Methyl methacrylate
Concen: 56.442 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 41 Resp: 87350
Ion Ratio Lower Upper
41 100
69 73.5 60.4 90.6
39 50.7 41.1 61.7

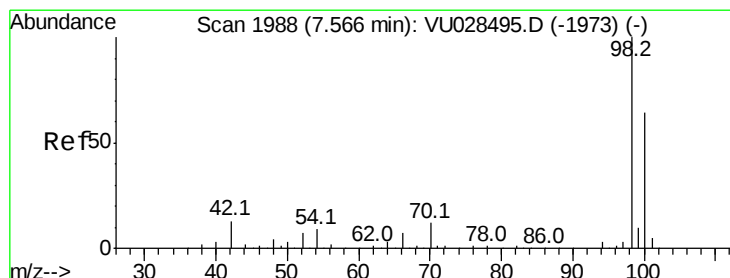
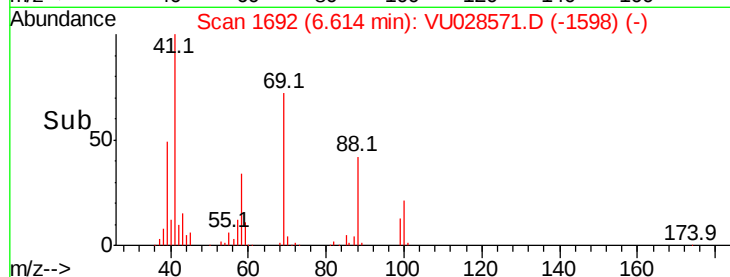
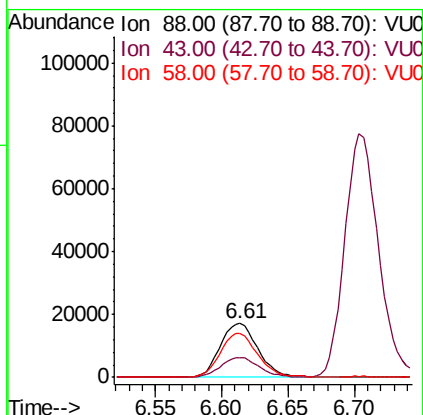
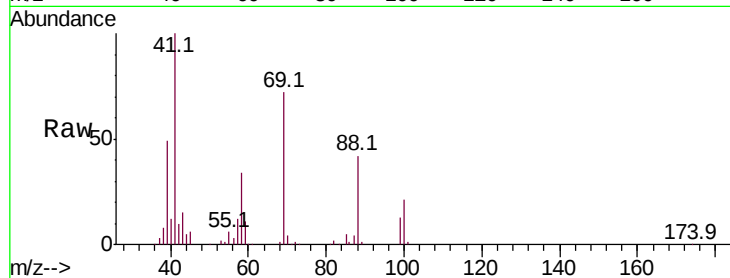




#49
1,4-Dioxane
Concen: 1392.634 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

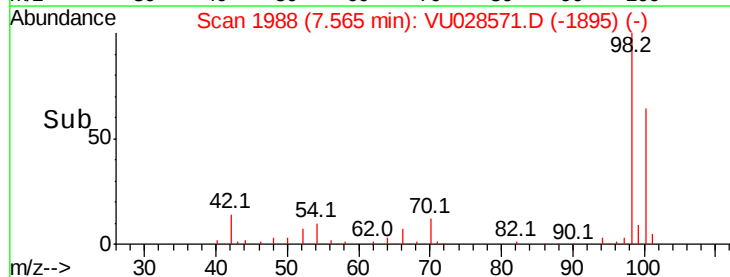
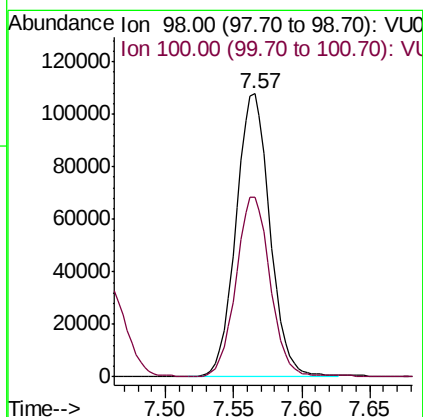
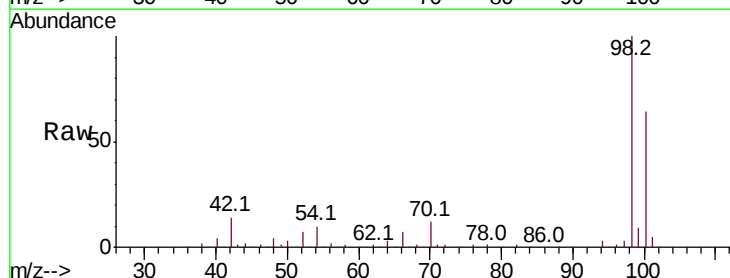
Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

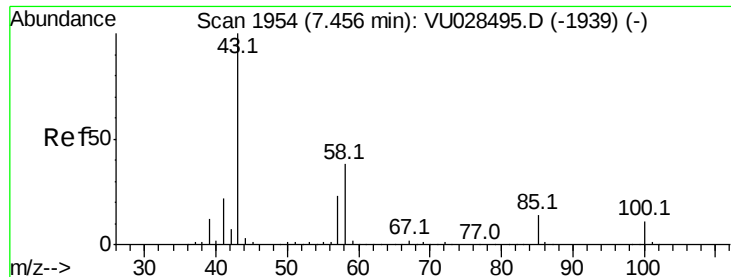
Tot Ion: 88 Resp: 34031
Ion Ratio Lower Upper
88 100
43 37.8 30.9 46.3
58 80.5 62.4 93.6



#50
Toluene-d8
Concen: 53.813 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 98 Resp: 186326
Ion Ratio Lower Upper
98 100
100 64.3 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 283.182 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

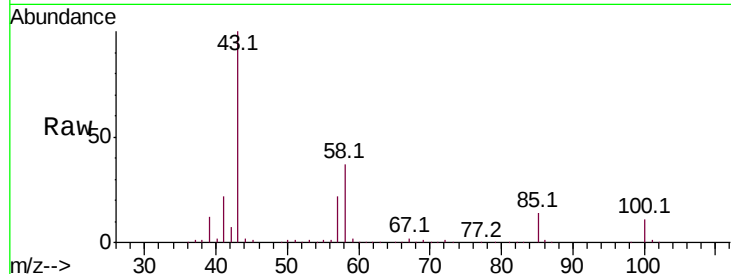
RE-131D1-20181205MS

Tot Ion: 43 Resp: 555828

Ion Ratio Lower Upper

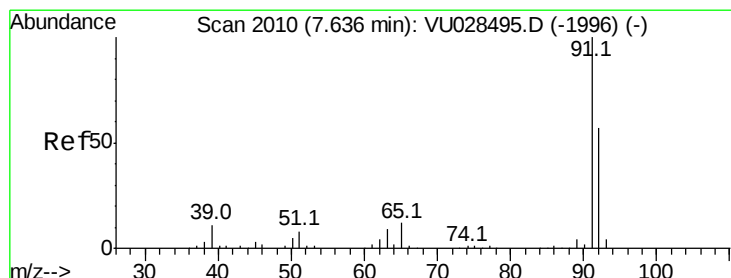
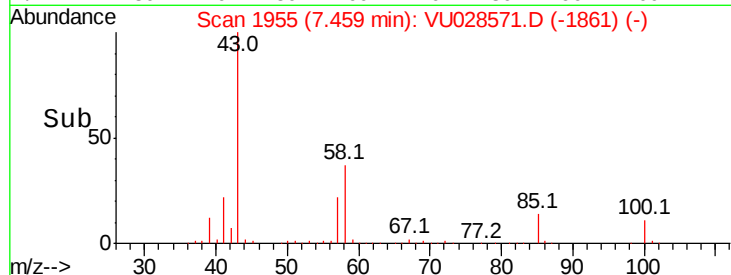
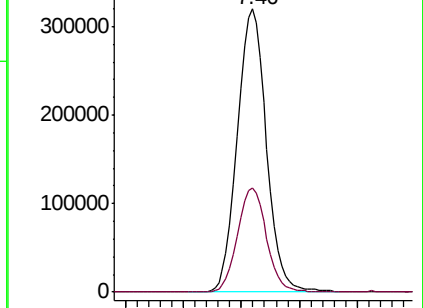
43 100

58 36.7 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 50.523 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028571.D

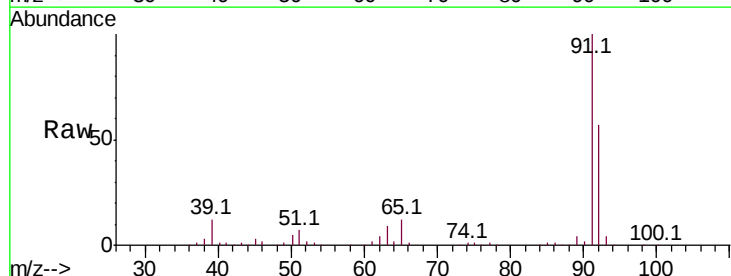
Acq: 10 Dec 2018 23:14

Tgt Ion: 92 Resp: 133287

Ion Ratio Lower Upper

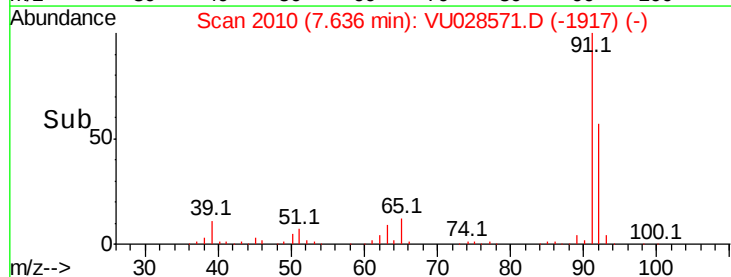
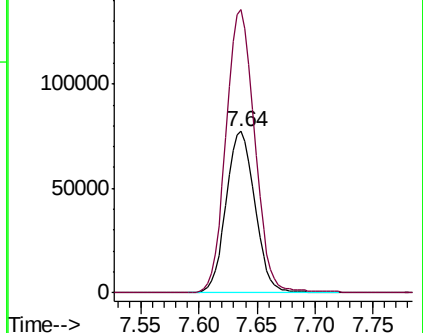
92 100

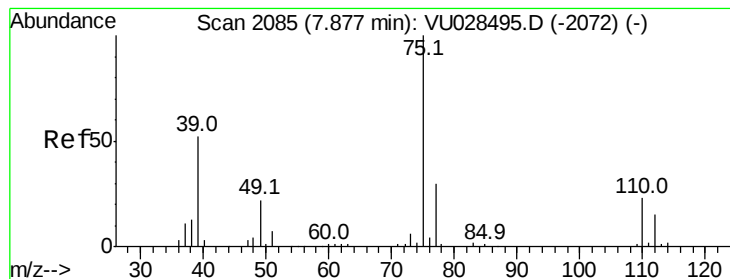
91 175.3 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 49.419 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

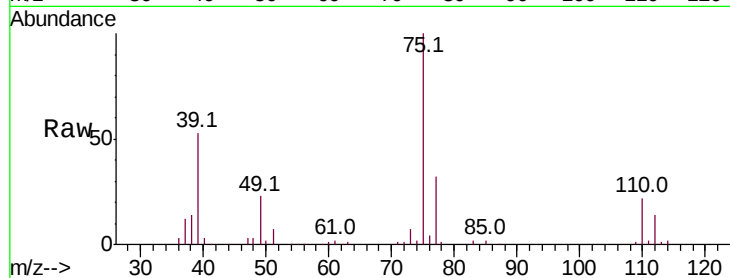
RE-131D1-20181205MS

Tot Ion: 75 Resp: 85662

Ion Ratio Lower Upper

75 100

77 32.4 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2072) (-)

Ion 76.90 (76.60 to 77.60): VU028495.D (-2072) (-)

7.88

60000

50000

40000

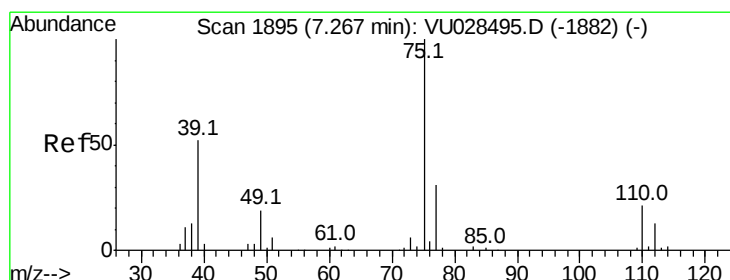
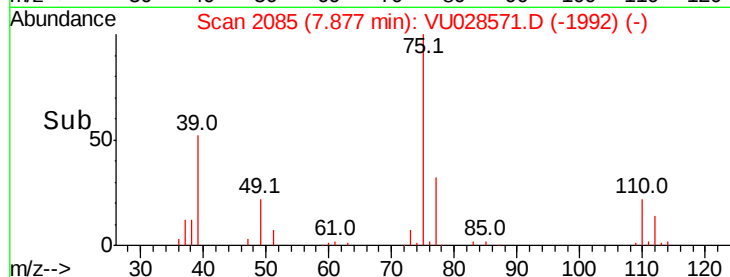
30000

20000

10000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.498 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

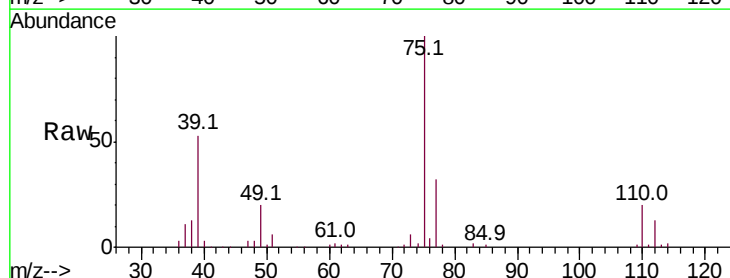
Tgt Ion: 75 Resp: 93086

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4

39 53.2 41.3 61.9



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-1882) (-)

Ion 76.90 (76.60 to 77.60): VU028495.D (-1882) (-)

Ion 39.00 (38.70 to 39.70): VU028495.D (-1882) (-)

7.27

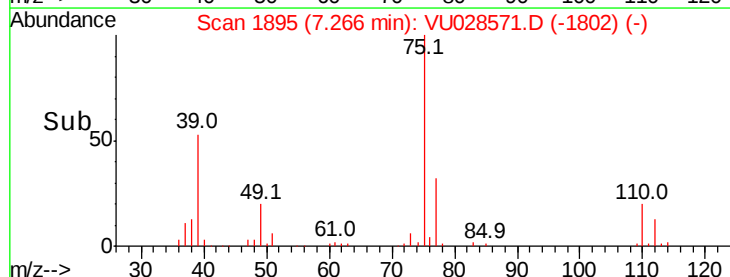
60000

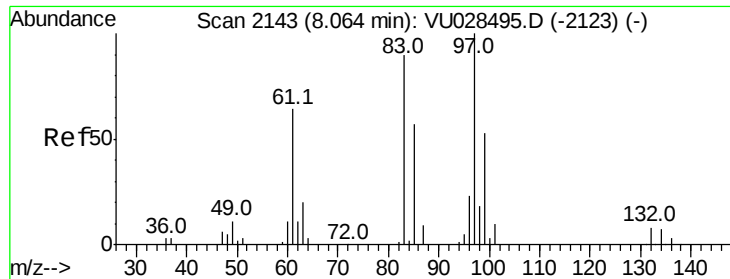
40000

20000

0

Time-->

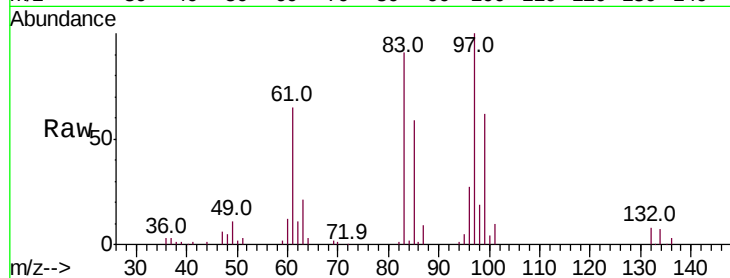




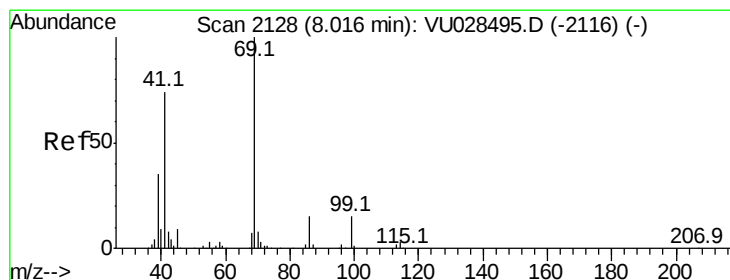
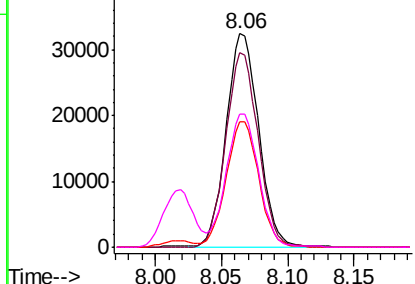
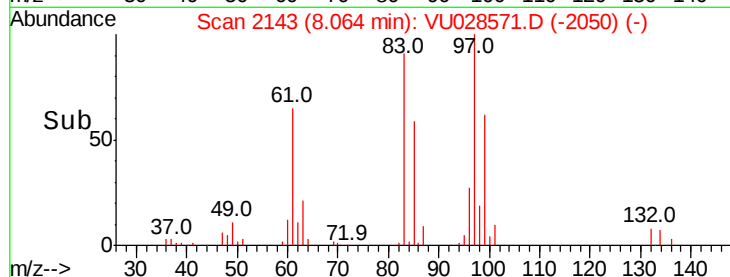
#55
 1,1,2-Trichloroethane
 Concen: 53.164 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

Tot Ion: 97 Resp: 55442
 Ion Ratio Lower Upper
 97 100
 83 91.2 72.4 108.6
 85 59.0 46.0 69.0
 99 62.2 47.4 71.2

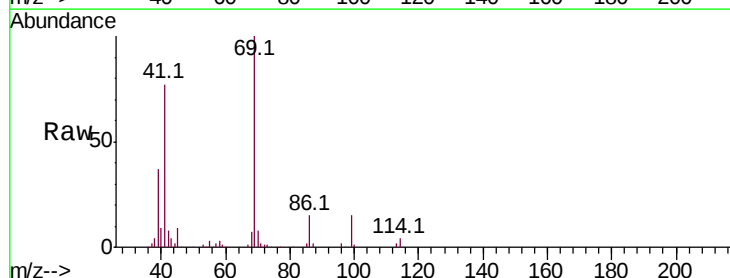


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

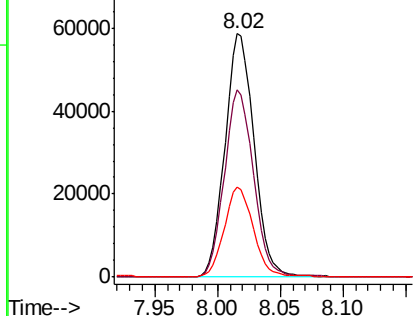
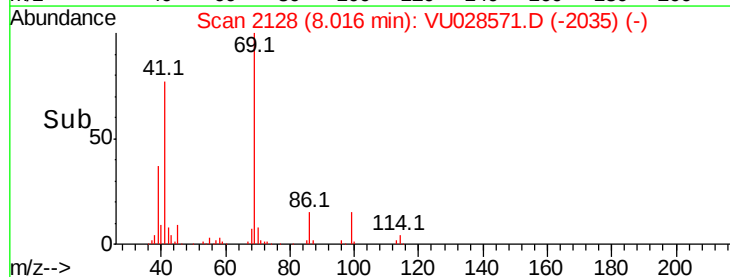


#56
 Ethyl methacrylate
 Concen: 53.027 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Tgt Ion: 69 Resp: 94697
 Ion Ratio Lower Upper
 69 100
 41 77.1 59.1 88.7
 39 36.7 28.4 42.6



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





#57

1,3-Dichloropropane

Concen: 52.076 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

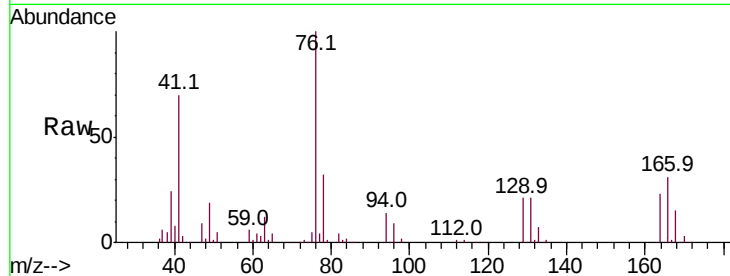
RE-131D1-20181205MS

Tot Ion: 76 Resp: 100811

Ion Ratio Lower Upper

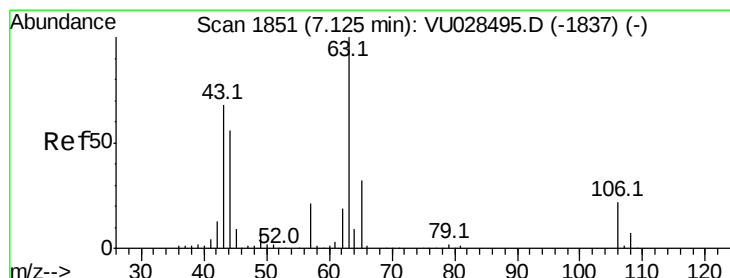
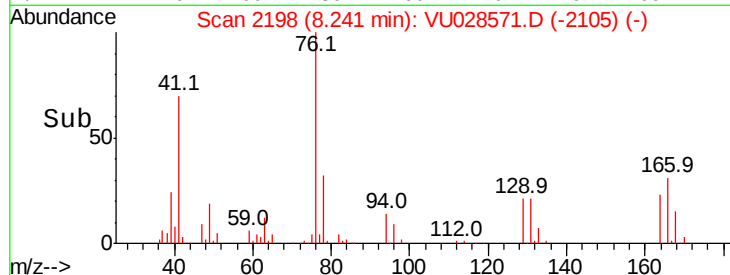
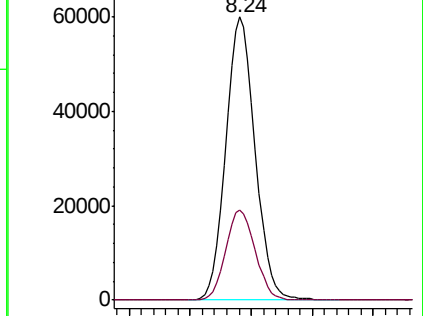
76 100

78 32.0 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 0.537 ug/l

RT: 7.26 min Scan# 1894

Delta R.T. 0.14 min

Lab File: VU028571.D

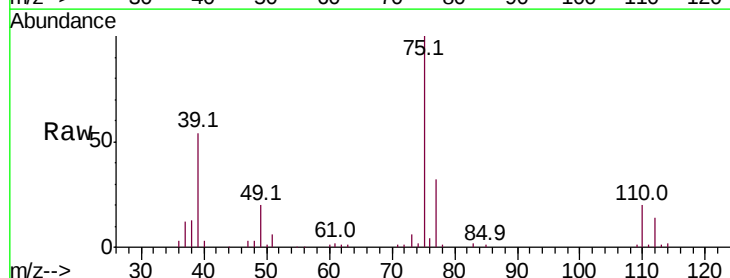
Acq: 10 Dec 2018 23:14

Tgt Ion: 63 Resp: 491

Ion Ratio Lower Upper

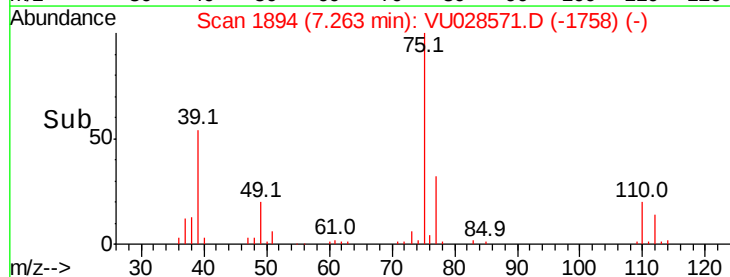
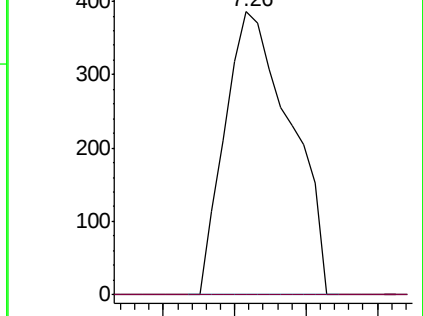
63 100

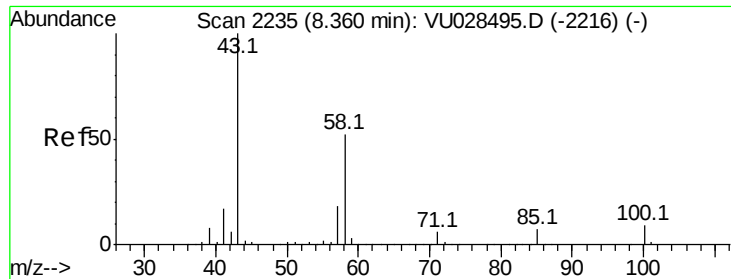
106 0.0 17.8 26.6#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

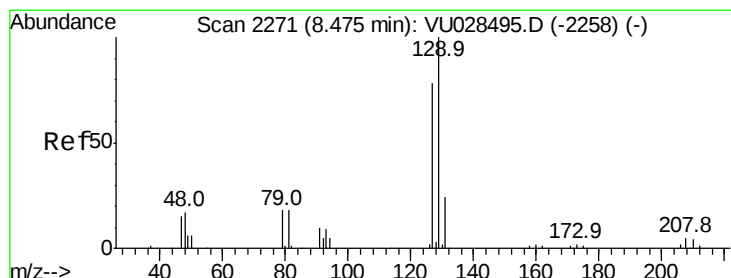
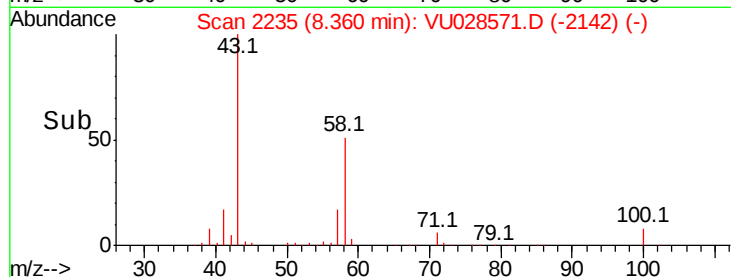
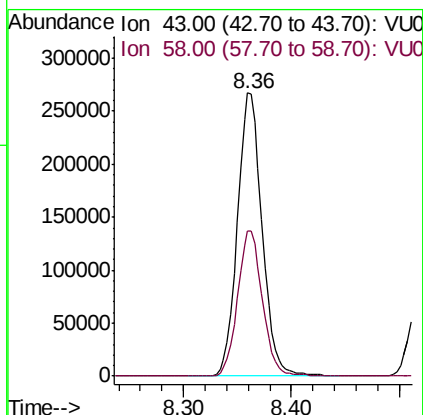
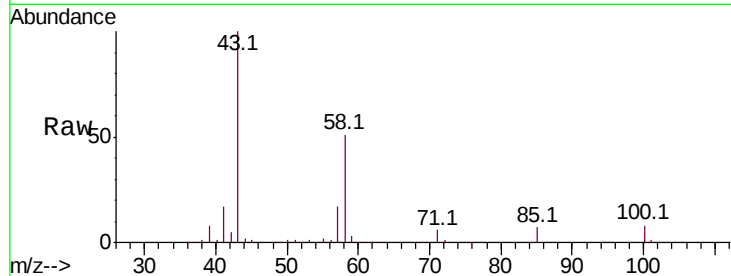




#59
2-Hexanone
Concen: 274.203 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

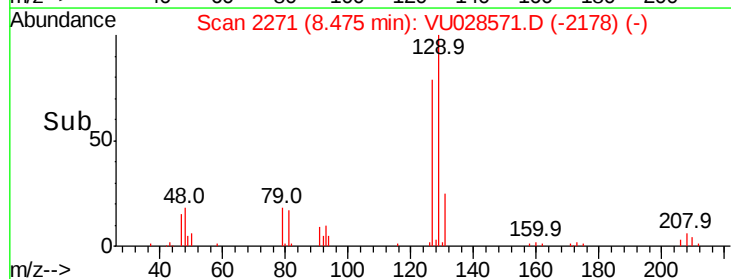
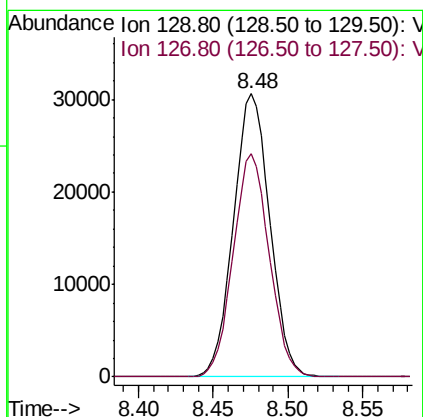
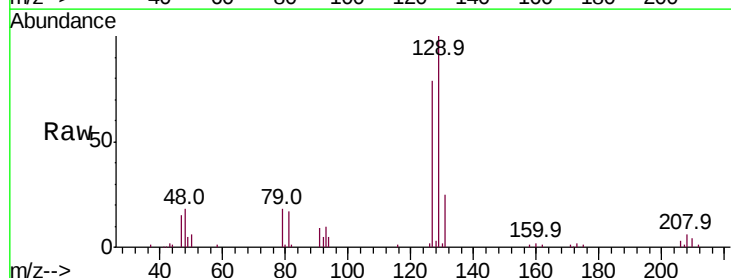
Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

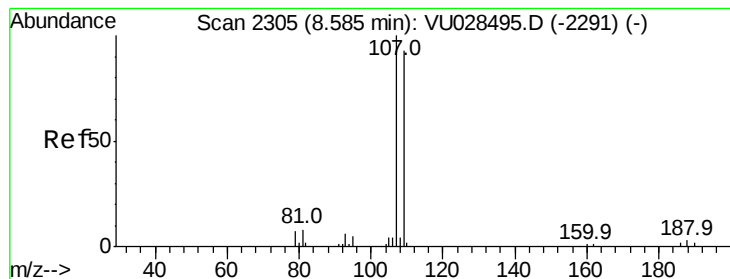
Tot Ion: 43 Resp: 426584
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.6



#60
Dibromochloromethane
Concen: 50.815 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 129 Resp: 51882
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3





#61

1,2-Dibromoethane

Concen: 52.450 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

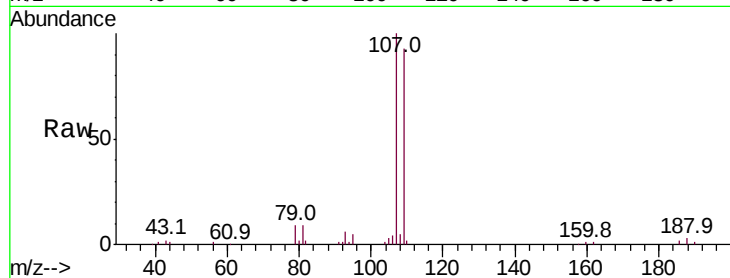
RE-131D1-20181205MS

Tot Ion:107 Resp: 57359

Ion Ratio Lower Upper

107 100

109 93.1 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

40000

30000

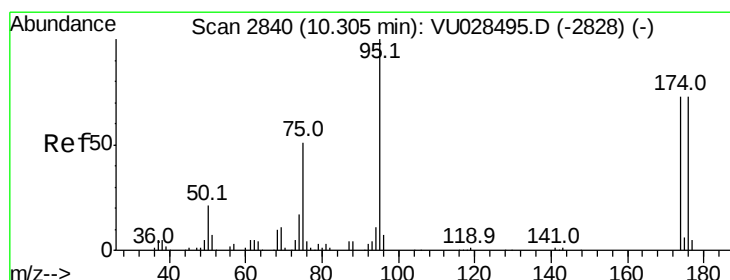
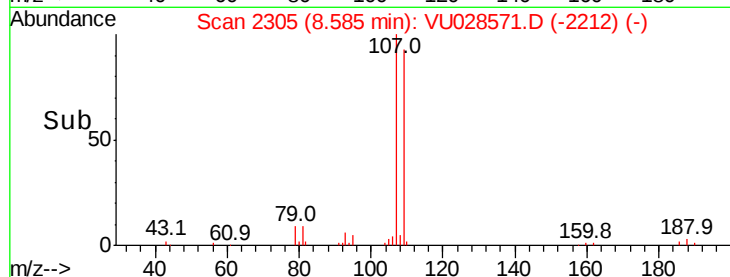
20000

10000

0

Time-->

8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 53.126 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

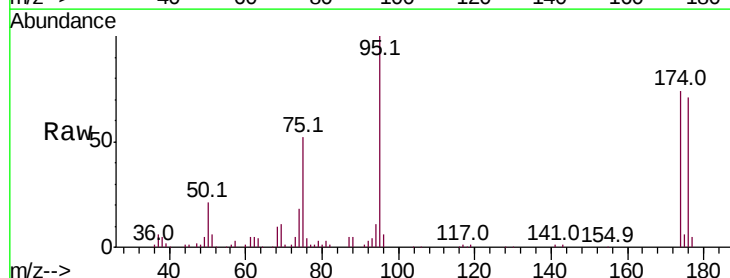
Tgt Ion: 95 Resp: 68753

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.4

176 73.1 0.0 145.2



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

60000

50000

40000

30000

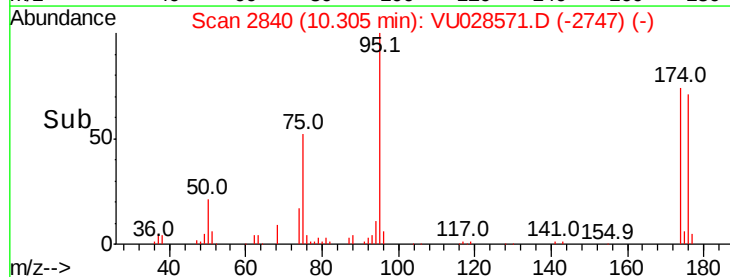
20000

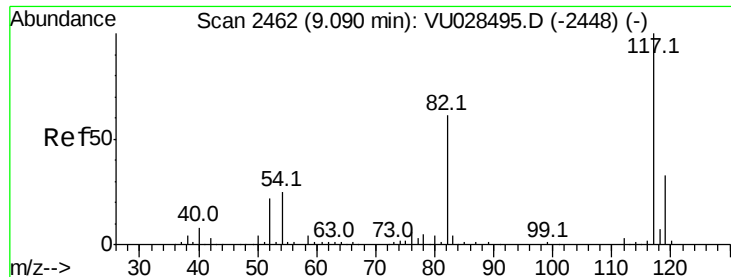
10000

0

Time-->

10.25 10.30 10.35 10.40

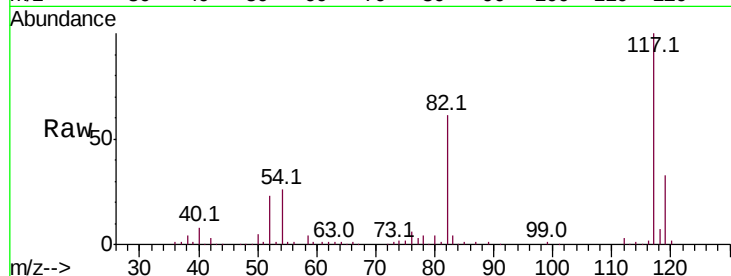




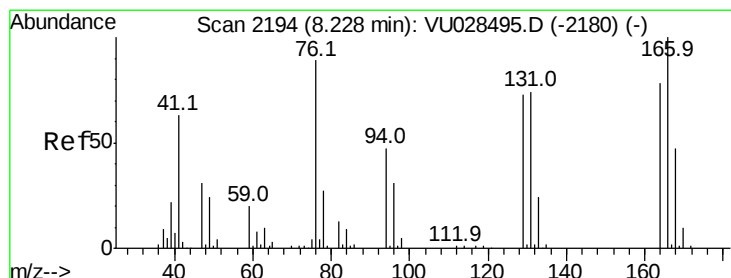
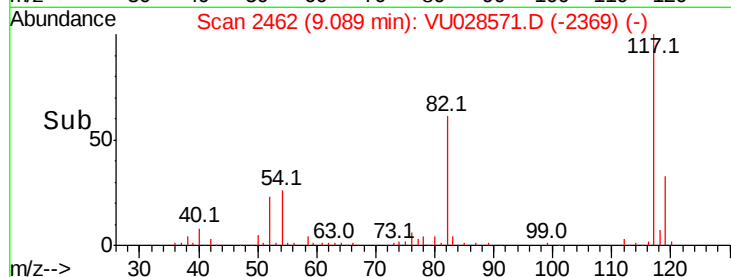
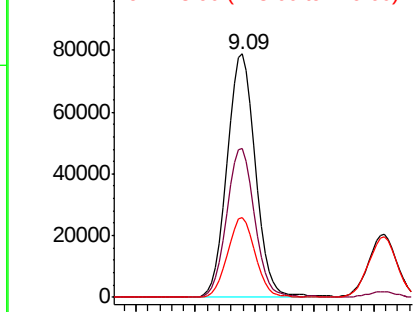
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion:117 Resp: 130331
Ion Ratio Lower Upper
117 100
82 61.0 48.9 73.3
119 32.9 26.2 39.4

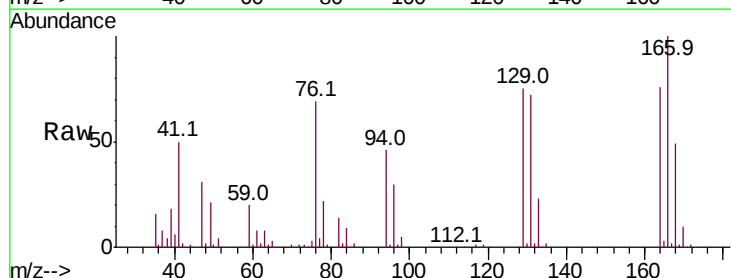


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

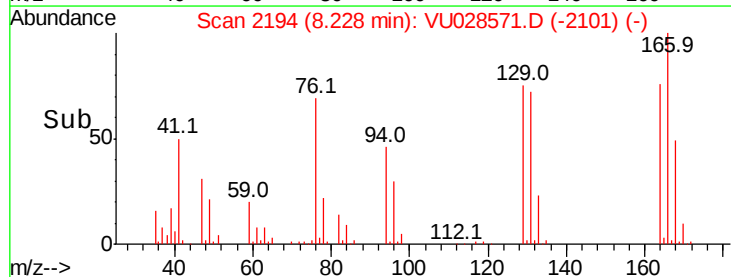
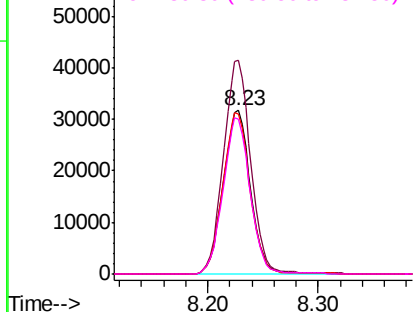


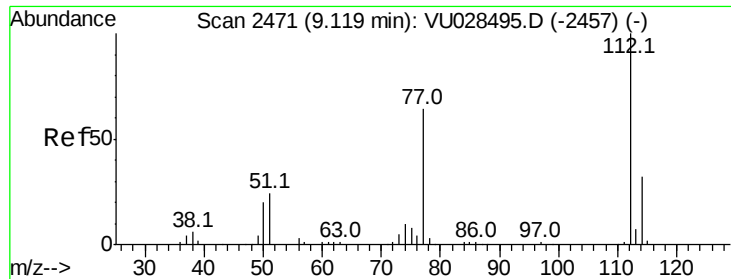
#64
Tetrachloroethene
Concen: 62.353 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion:164 Resp: 54206
Ion Ratio Lower Upper
164 100
166 130.7 101.9 152.9
129 97.9 74.9 112.3
131 94.6 75.4 113.0



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: 50.068 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

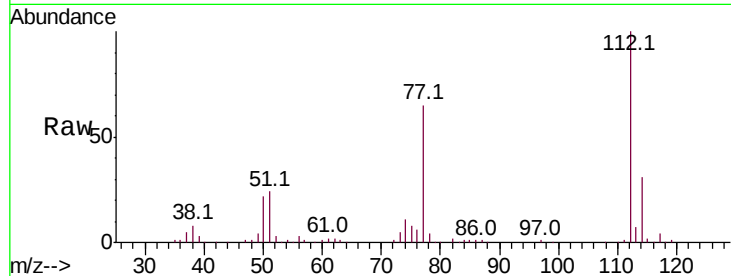
RE-131D1-20181205MS

Tot Ion:112 Resp: 139050

Ion Ratio Lower Upper

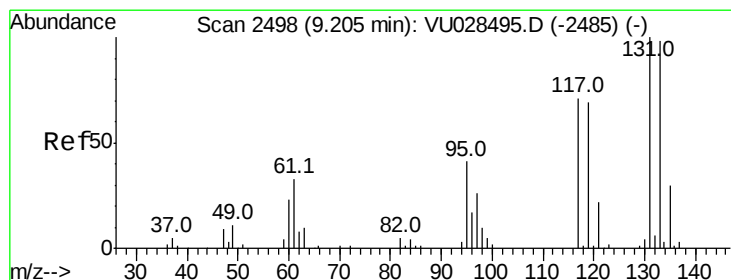
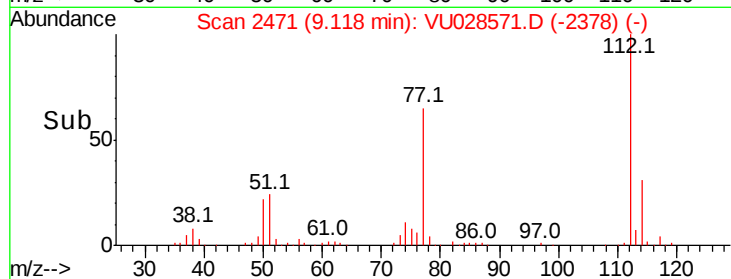
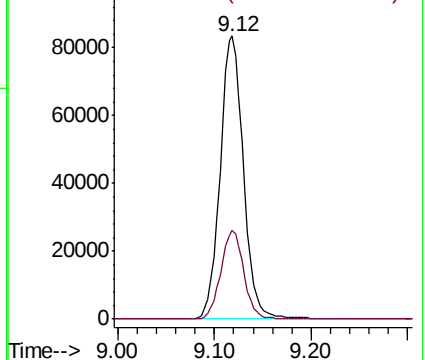
112 100

114 31.2 25.3 37.9



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: 51.629 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

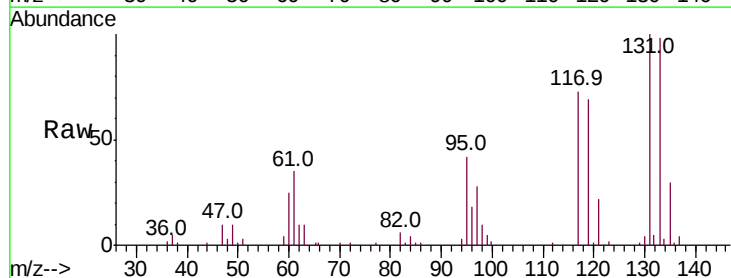
Tgt Ion:131 Resp: 45788

Ion Ratio Lower Upper

131 100

133 98.0 48.0 144.0

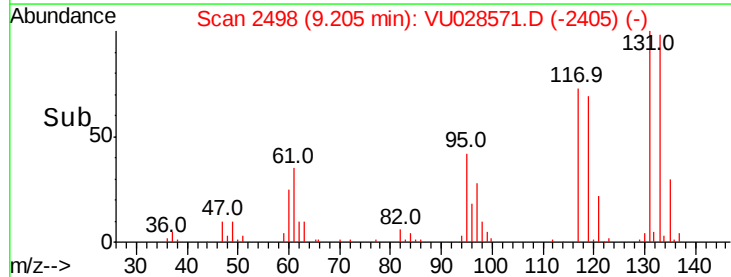
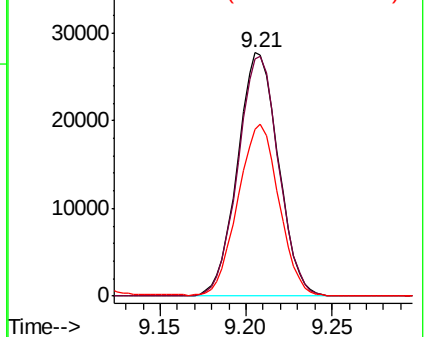
119 71.1 34.6 103.9

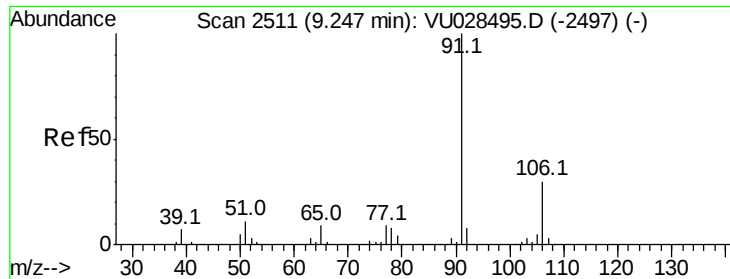


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 49.942 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

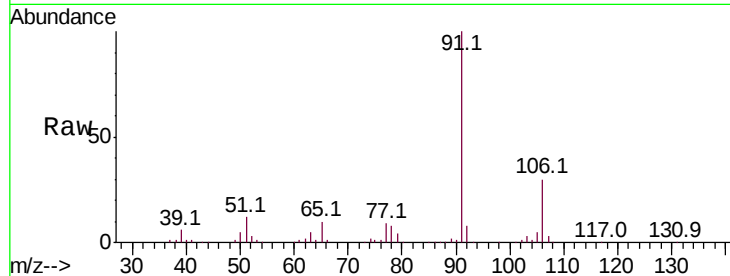
RE-131D1-20181205MS

Tot Ion: 91 Resp: 254976

Ion Ratio Lower Upper

91 100

106 30.2 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU028571.D (-2497) (-)

Ion 106.00 (105.70 to 106.70): VU028571.D (-2497) (-)

250000

200000

150000

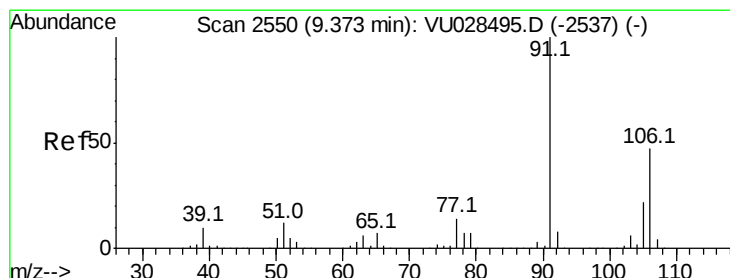
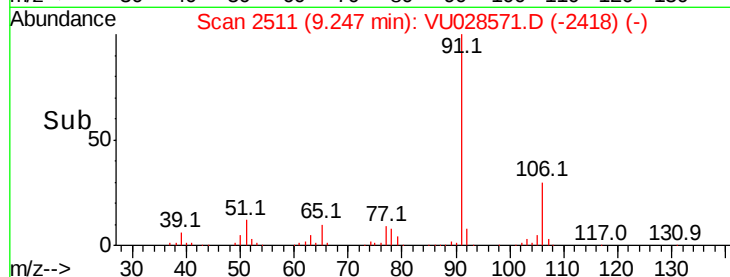
100000

50000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#68

m/p-Xylenes

Concen: 100.683 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028571.D

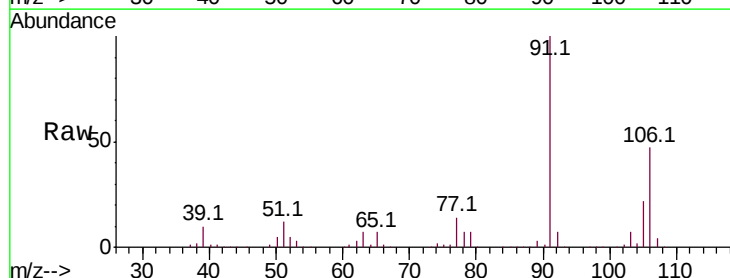
Acq: 10 Dec 2018 23:14

Tgt Ion: 106 Resp: 187042

Ion Ratio Lower Upper

106 100

91 213.2 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): VU028571.D (-2537) (-)

Ion 91.00 (90.70 to 91.70): VU028571.D (-2537) (-)

250000

200000

150000

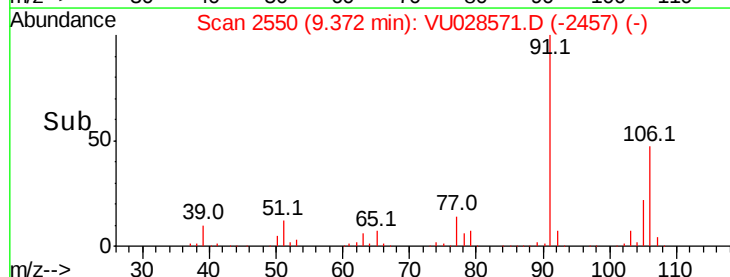
100000

50000

0

9.30 9.35 9.40 9.45 9.50

Time-->

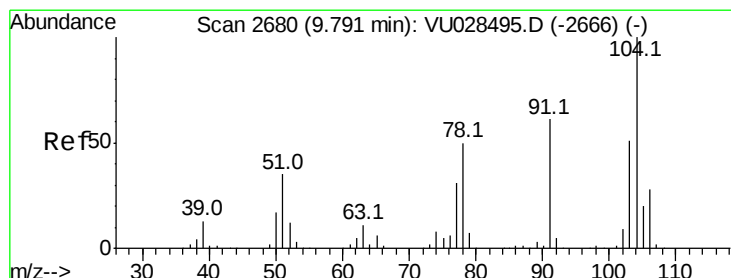
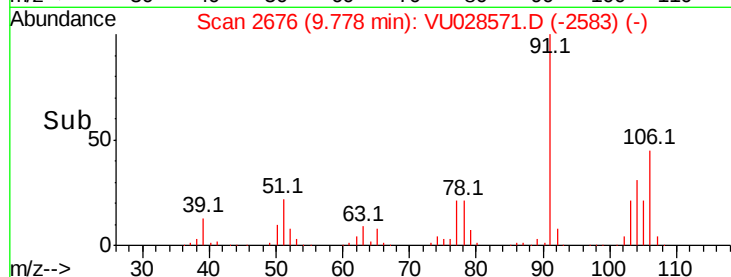
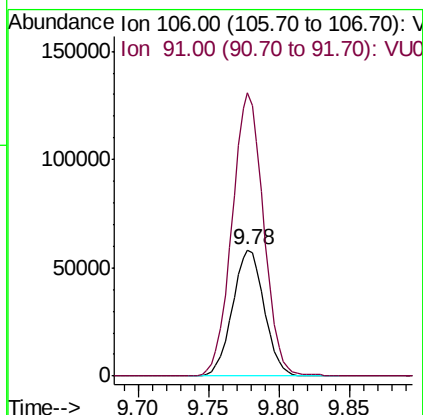
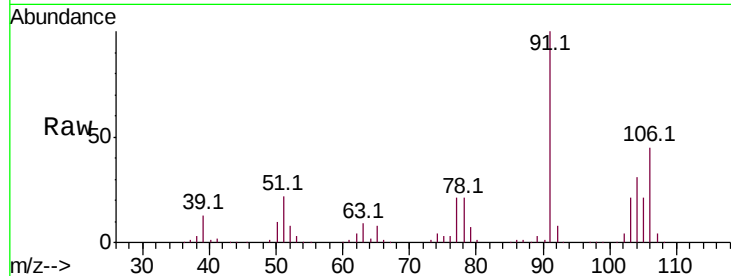




#69
o-Xylene
Concen: 50.965 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

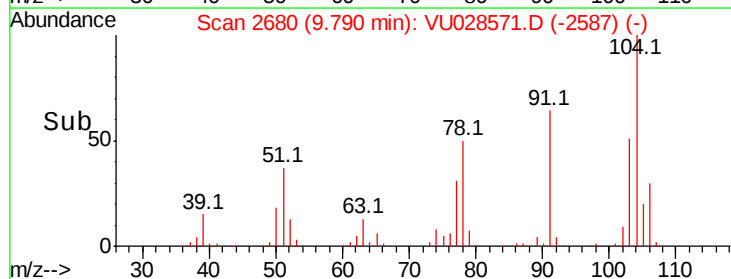
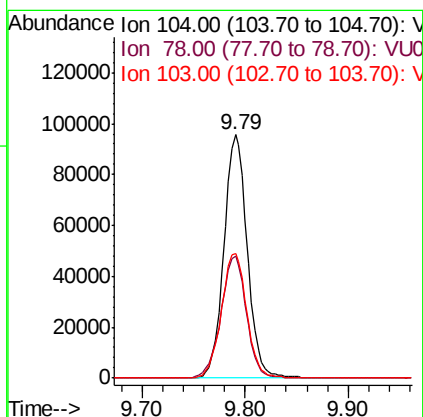
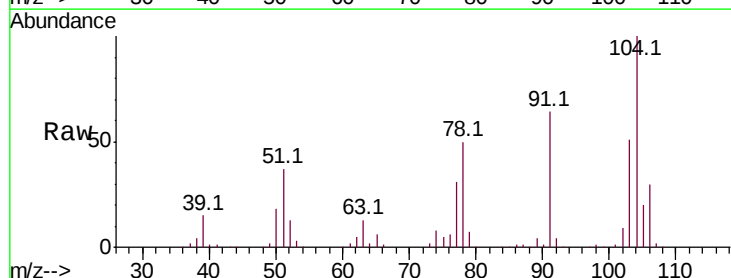
Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

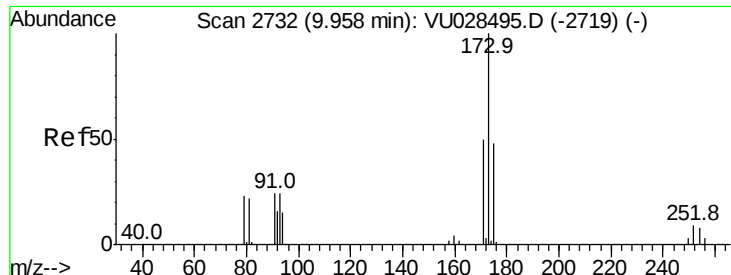
Tot Ion:106 Resp: 92009
Ion Ratio Lower Upper
106 100
91 223.1 111.3 334.0



#70
Styrene
Concen: 50.493 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion:104 Resp: 150858
Ion Ratio Lower Upper
104 100
78 54.2 43.0 64.6
103 55.7 44.2 66.4





#71

Bromoform

Concen: 52.976 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

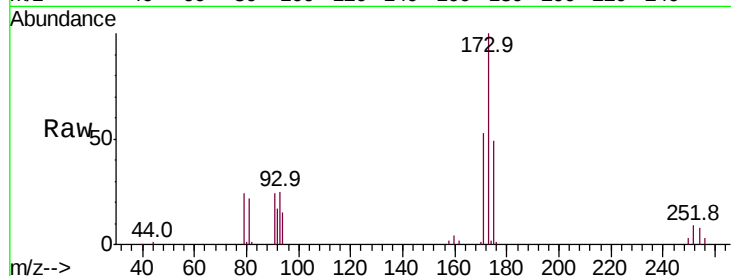
Tot Ion:173 Resp: 39967

Ion Ratio Lower Upper

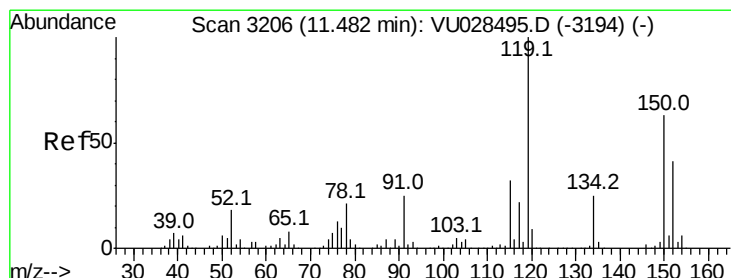
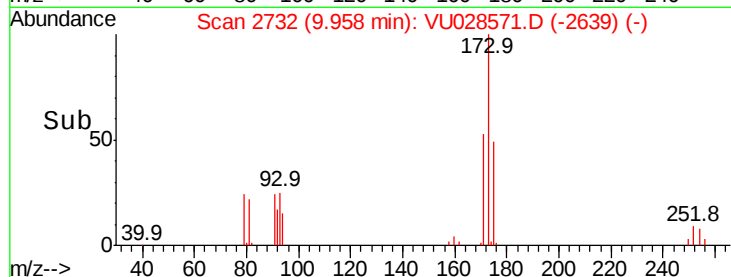
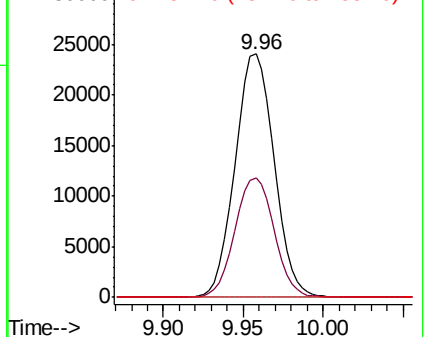
173 100

175 49.3 23.9 71.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

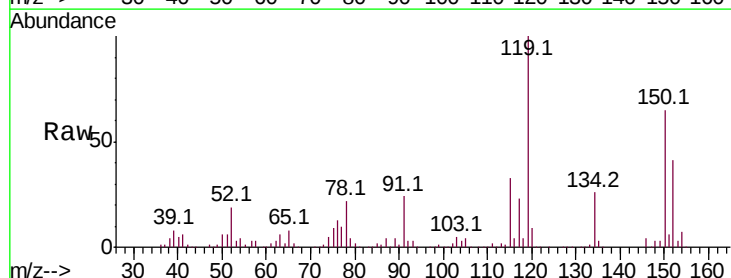
Tgt Ion:152 Resp: 63149

Ion Ratio Lower Upper

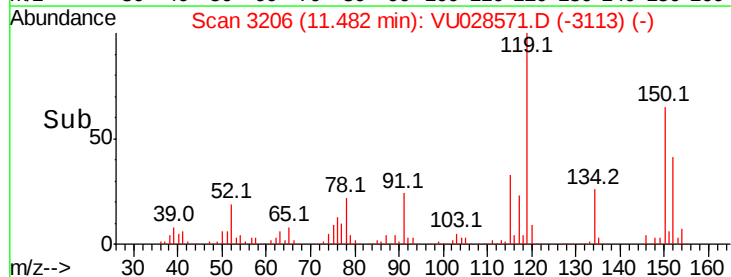
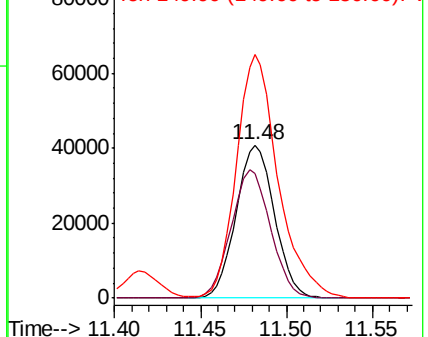
152 100

115 86.0 42.7 128.1

150 173.3 0.0 346.0



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: 49.814 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

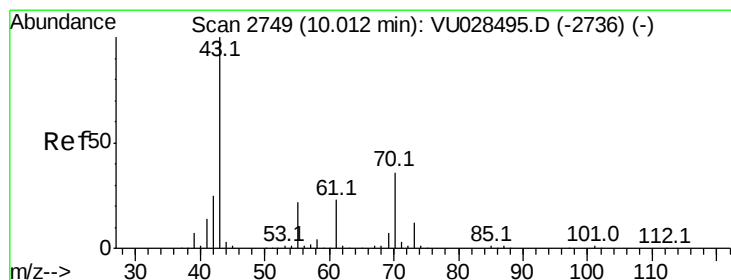
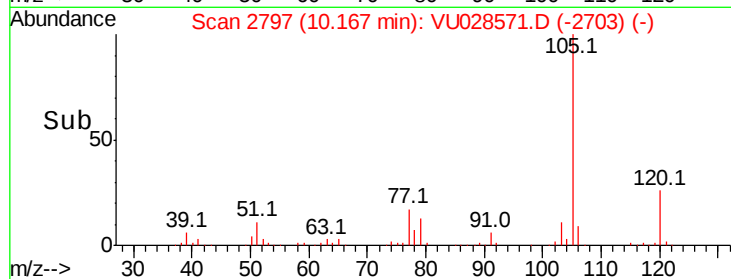
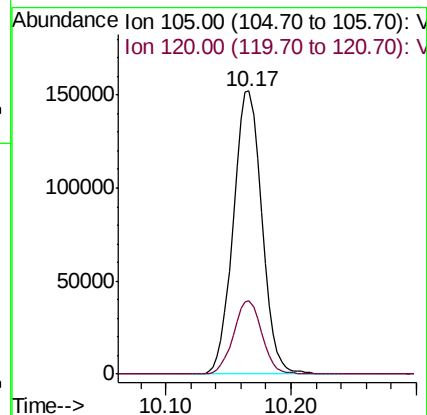
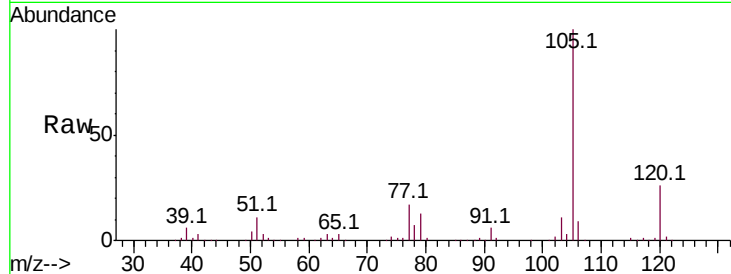
RE-131D1-20181205MS

Tot Ion:105 Resp: 241380

Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.6



#74

N-ethyl acetate

Concen: 50.454 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Tgt Ion: 43 Resp: 141023

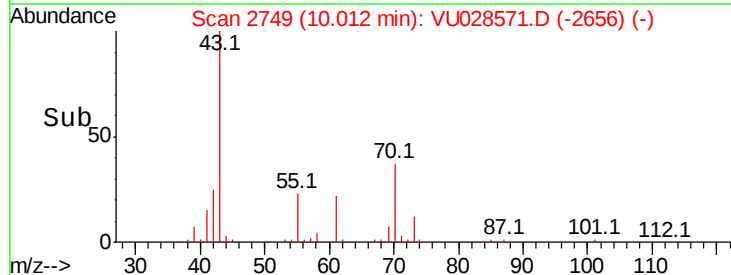
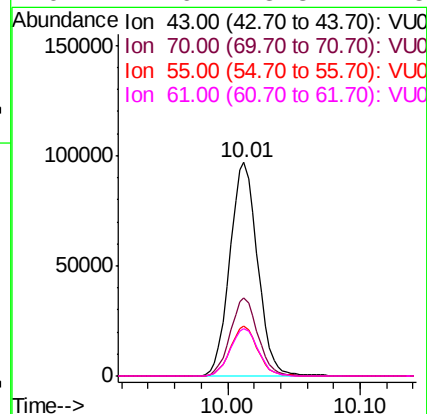
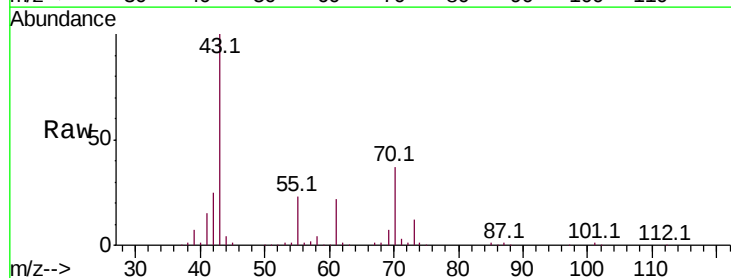
Ion Ratio Lower Upper

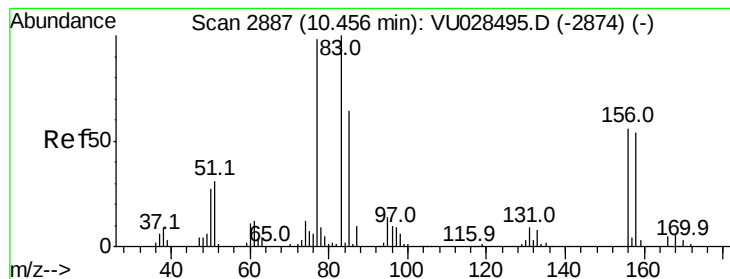
43 100

70 36.0 29.3 43.9

55 23.1 18.0 27.0

61 22.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 56.009 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

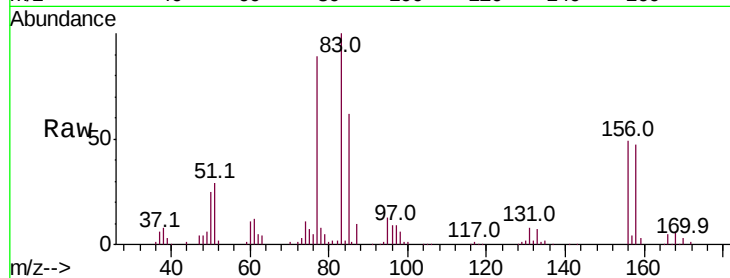
Tot Ion: 83 Resp: 104257

Ion Ratio Lower Upper

83 100

131 7.9 4.2 12.4

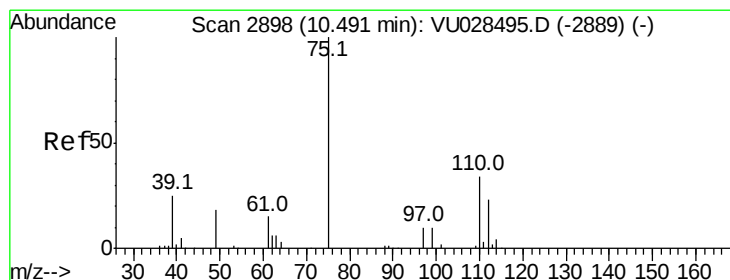
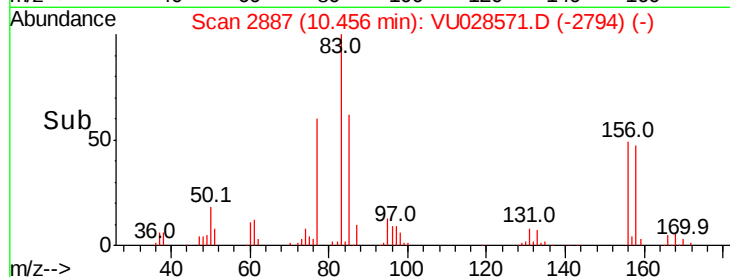
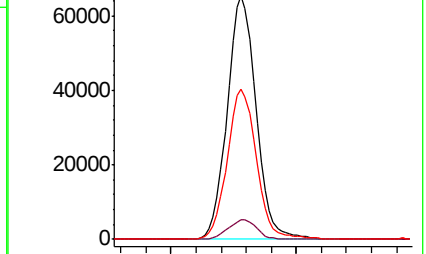
85 62.8 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028495.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 74.841 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028571.D

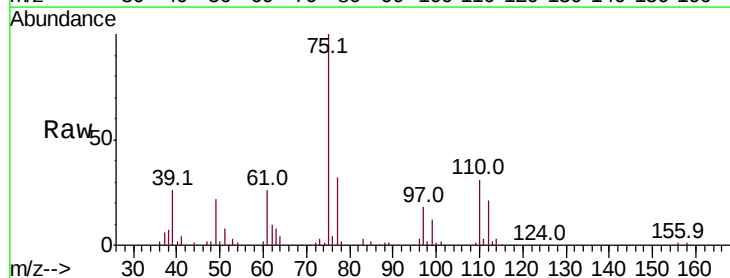
Acq: 10 Dec 2018 23:14

Tgt Ion: 75 Resp: 120683

Ion Ratio Lower Upper

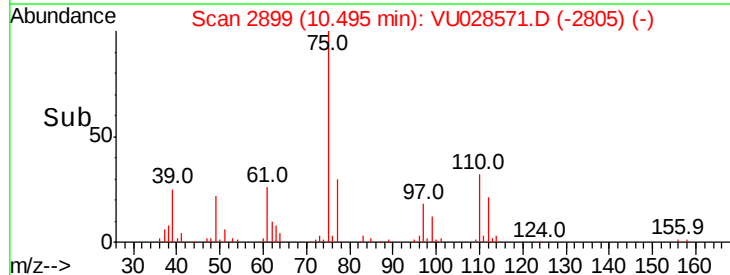
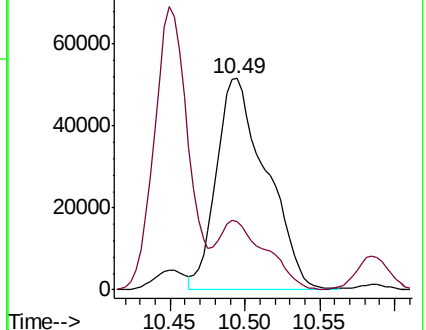
75 100

77 30.2 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-2889) (-)





#77

Bromobenzene

Concen: 50.247 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

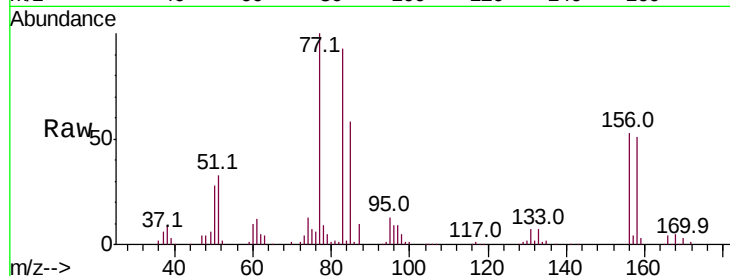
Tot Ion:156 Resp: 56944

Ion Ratio Lower Upper

156 100

77 189.3 92.4 277.2

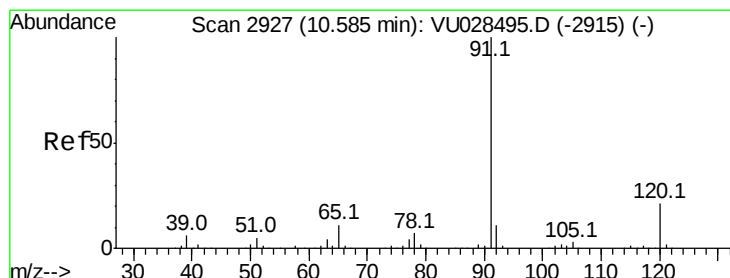
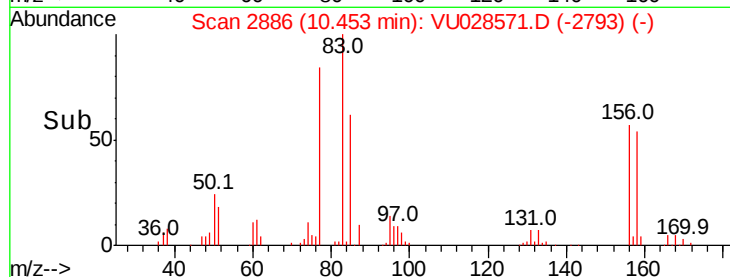
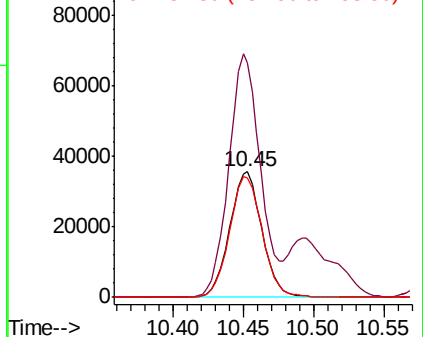
158 97.5 48.4 145.3



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: 49.510 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028571.D

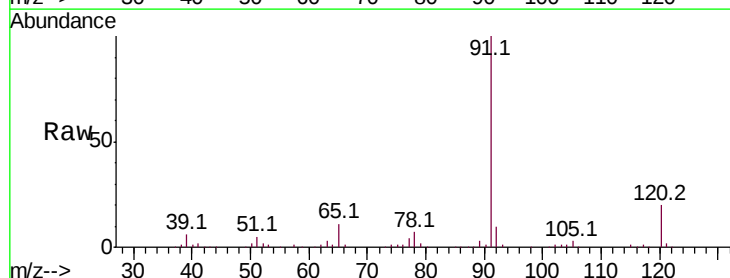
Acq: 10 Dec 2018 23:14

Tgt Ion: 91 Resp: 298110

Ion Ratio Lower Upper

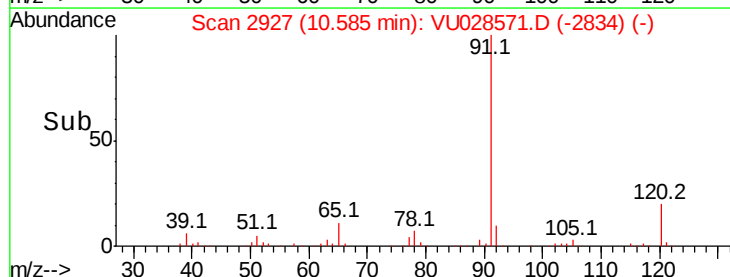
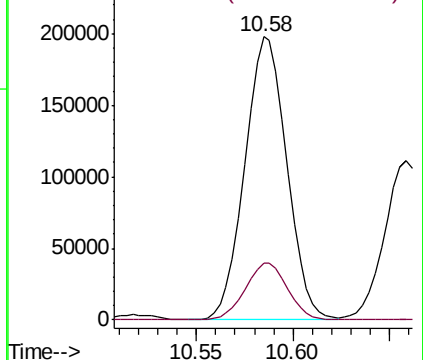
91 100

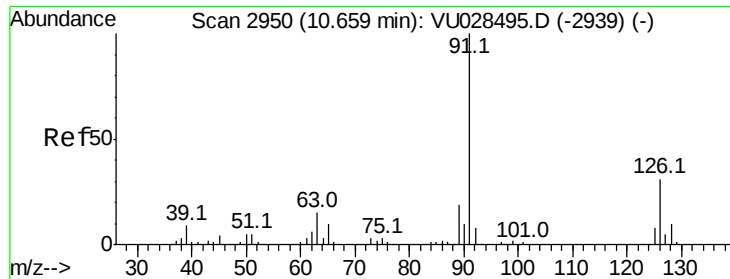
120 20.2 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

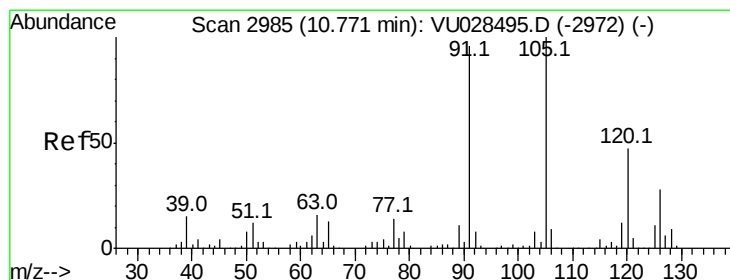
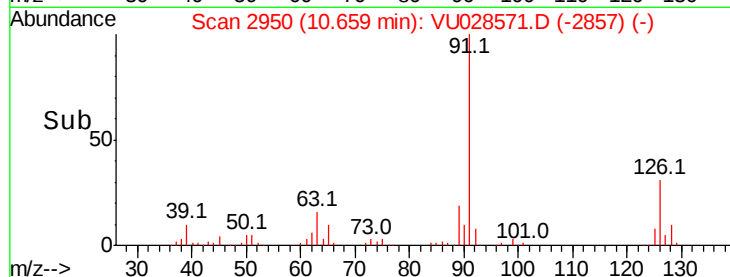
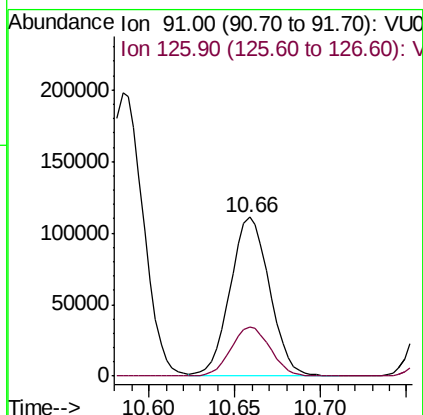
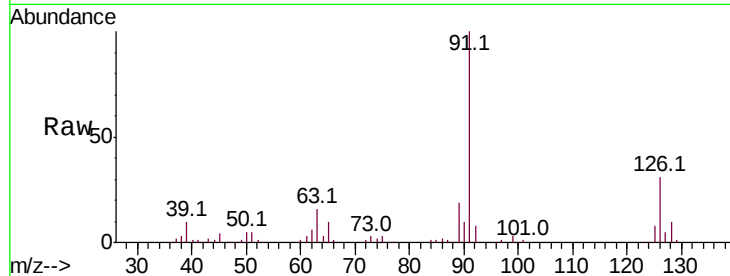




#79
 2-Chlorotoluene
 Concen: 50.614 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

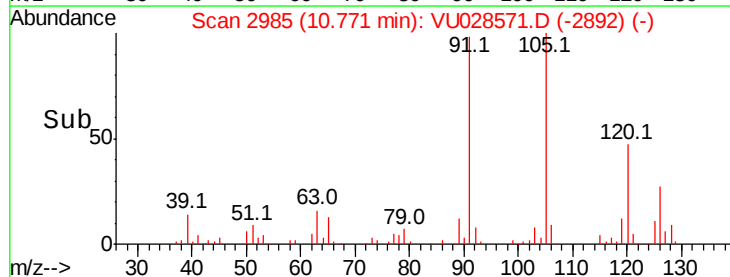
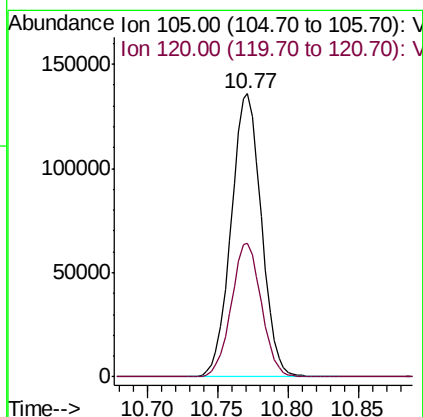
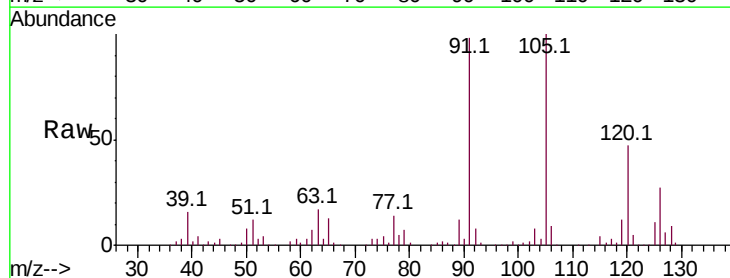
Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

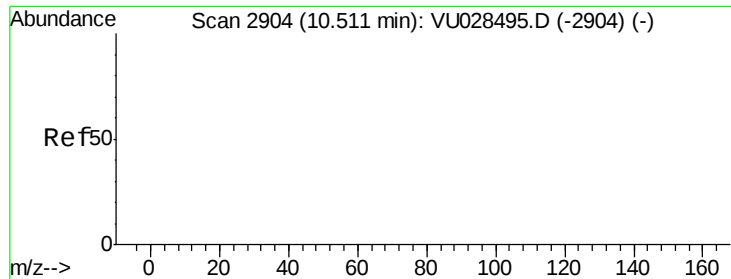
Tot Ion: 91 Resp: 175545
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.852 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Tgt Ion: 105 Resp: 203972
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 182.606 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

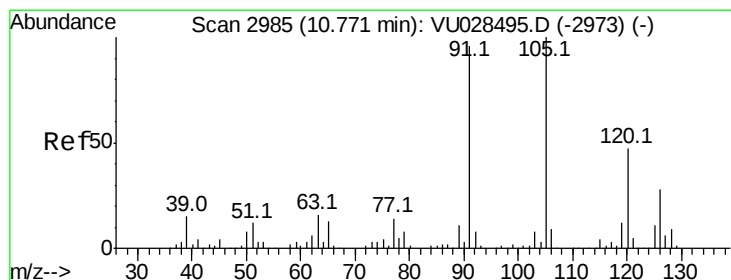
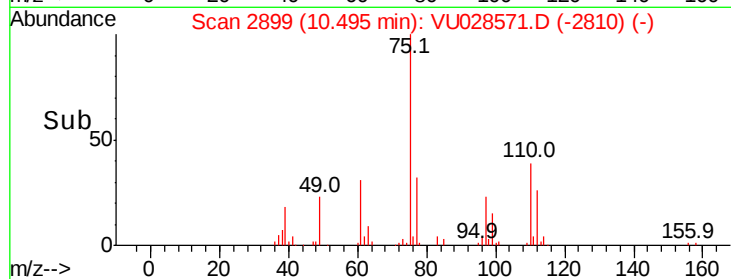
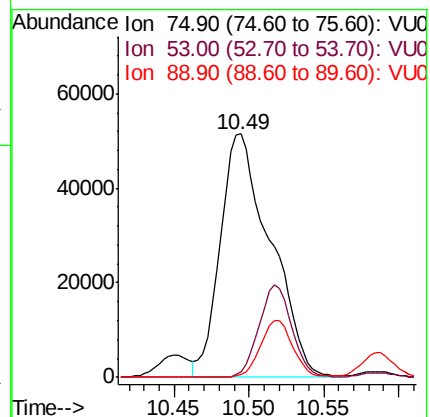
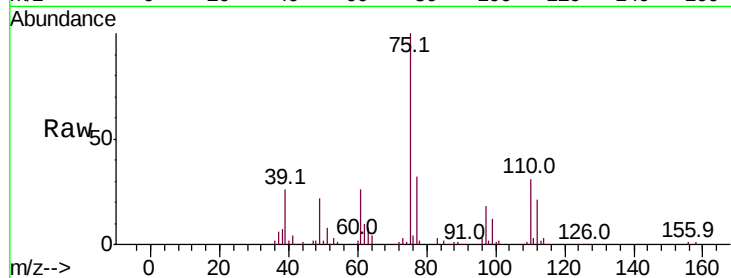
Tot Ion: 75 Resp: 120683

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 49.519 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028571.D

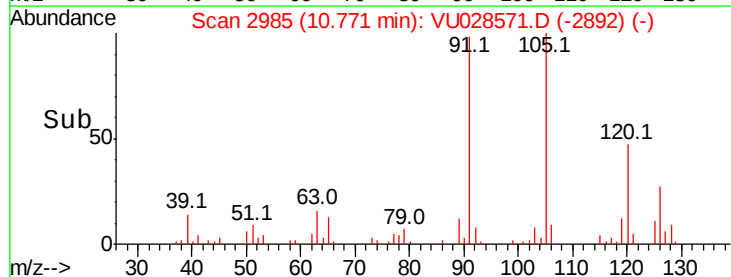
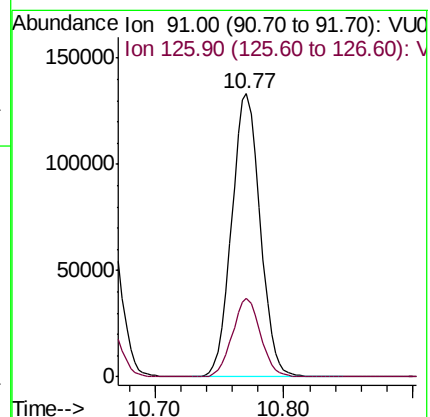
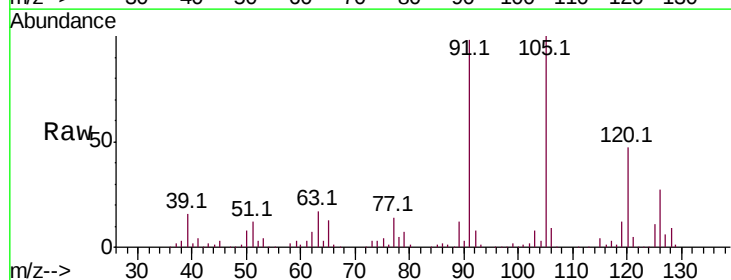
Acq: 10 Dec 2018 23:14

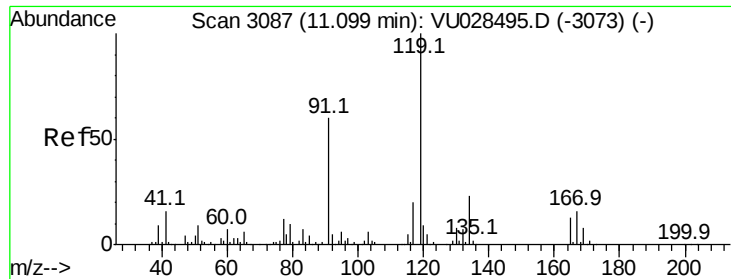
Tgt Ion: 91 Resp: 203523

Ion Ratio Lower Upper

91 100

126 27.6 14.1 42.3

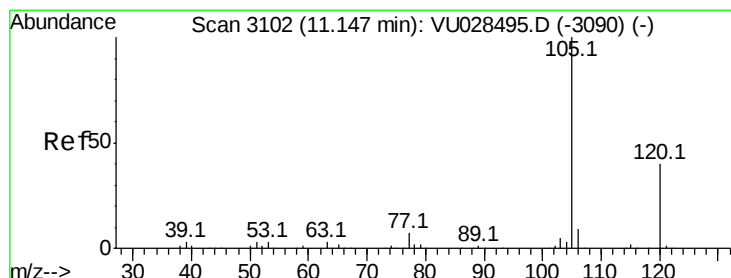
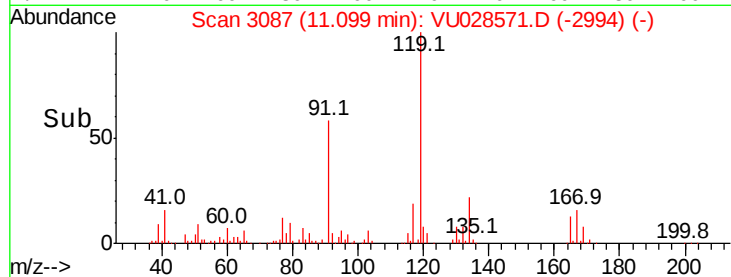
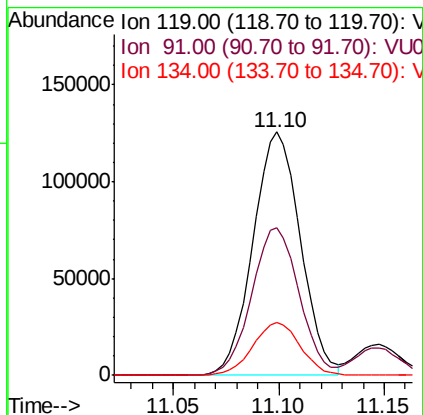
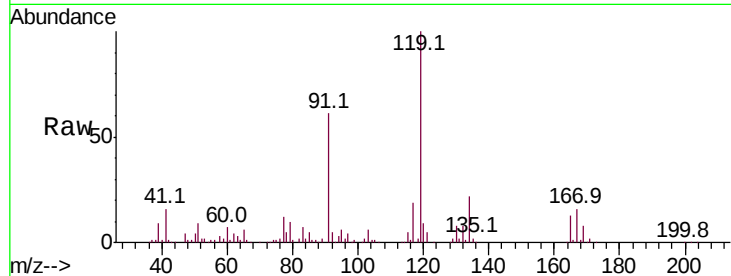




#83
tert-Butylbenzene
Concen: 50.813 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

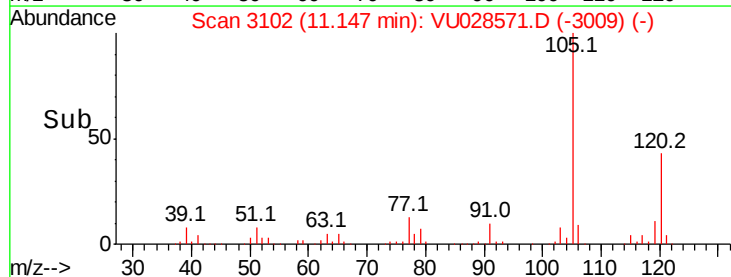
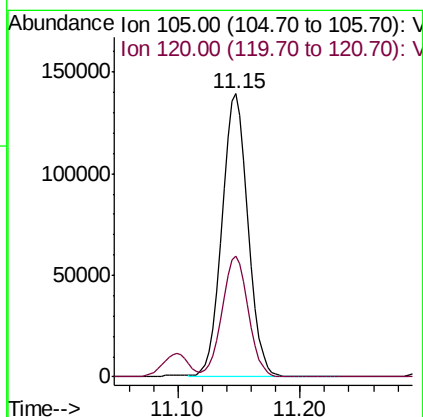
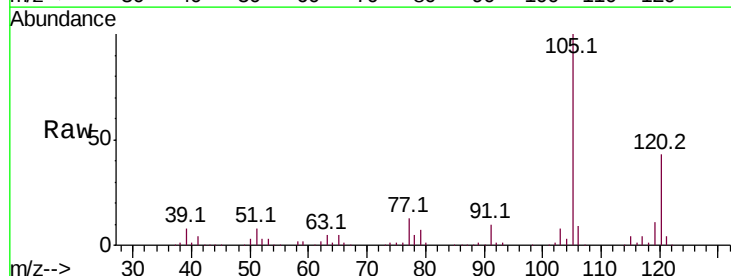
Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

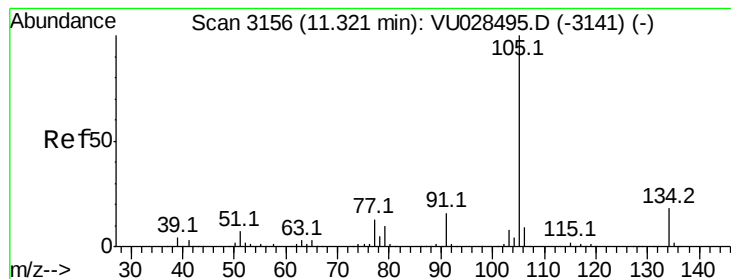
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	30.3	91.0
134	21.8	11.2	33.5



#84
1,2,4-Trimethylbenzene
Concen: 50.620 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.8	65.4





#85

sec-Butylbenzene

Concen: 49.241 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

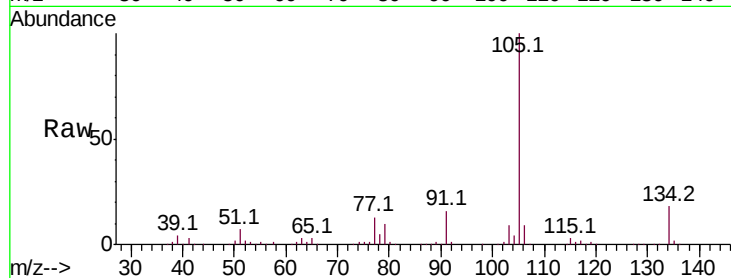
RE-131D1-20181205MS

Tot Ion:105 Resp: 244568

Ion Ratio Lower Upper

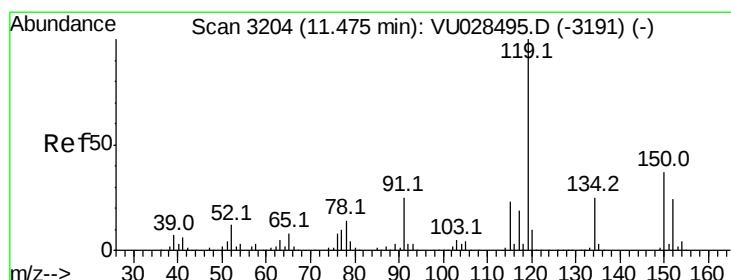
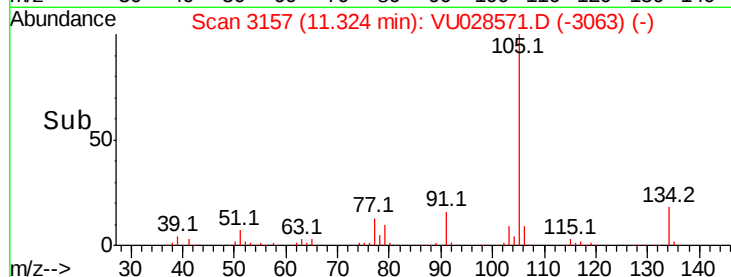
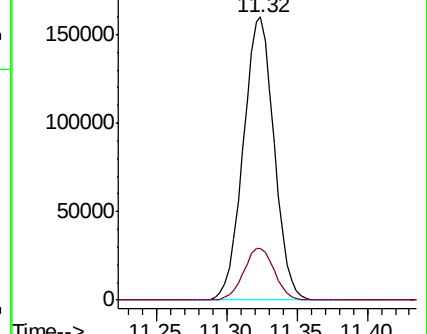
105 100

134 18.4 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.193 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

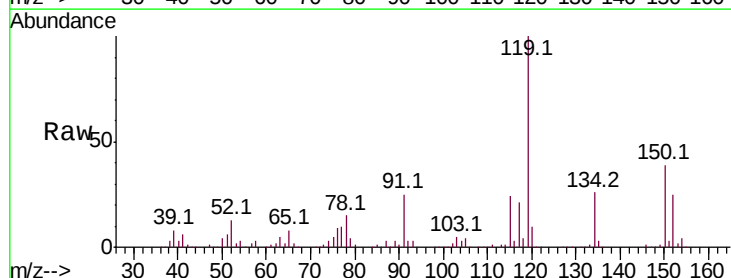
Tgt Ion:119 Resp: 203330

Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.1

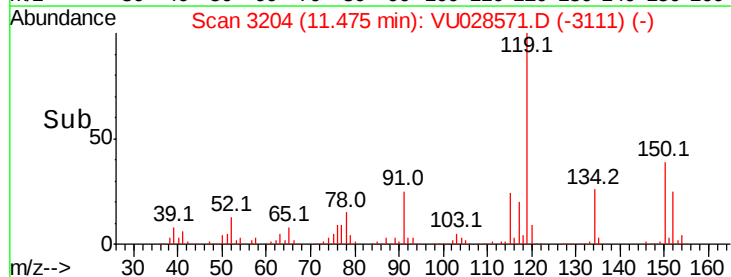
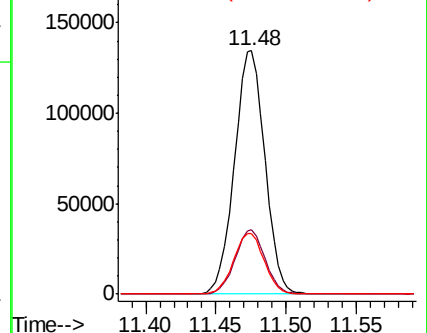
91 25.0 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

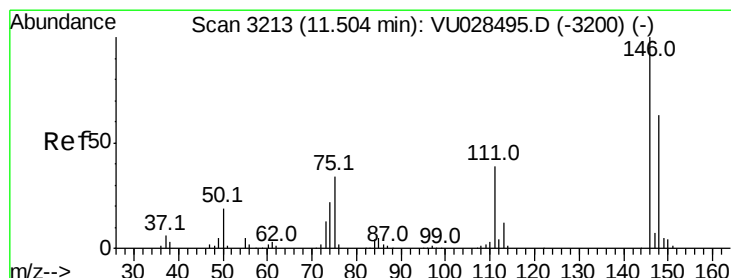
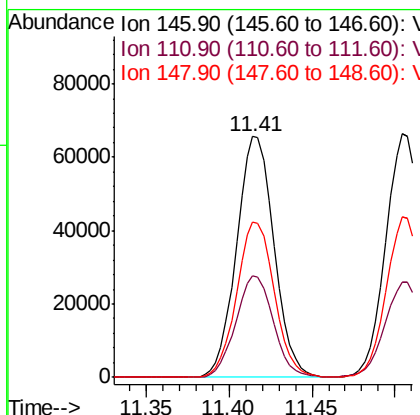
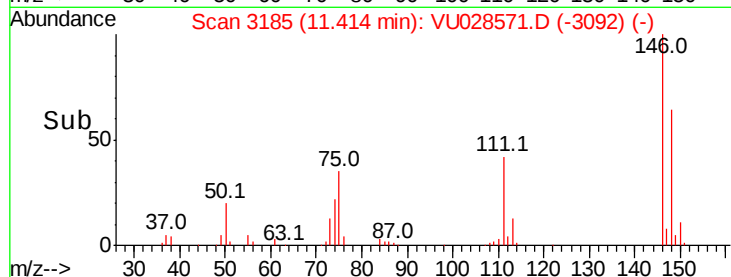
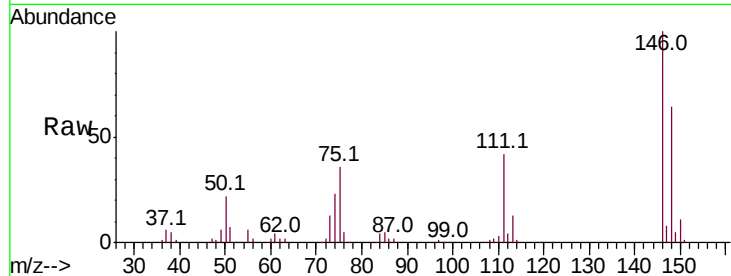




#87
 1,3-Dichlorobenzene
 Concen: 48.199 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

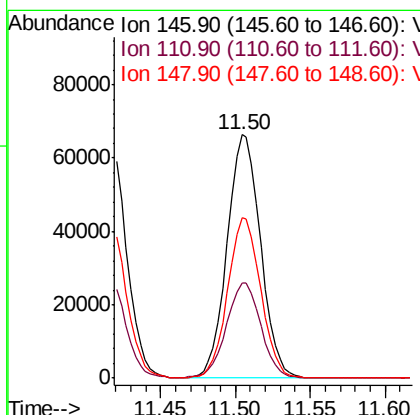
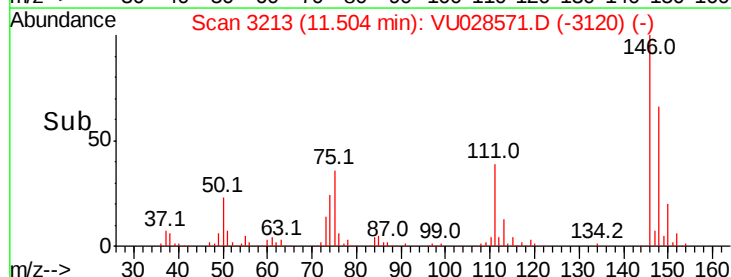
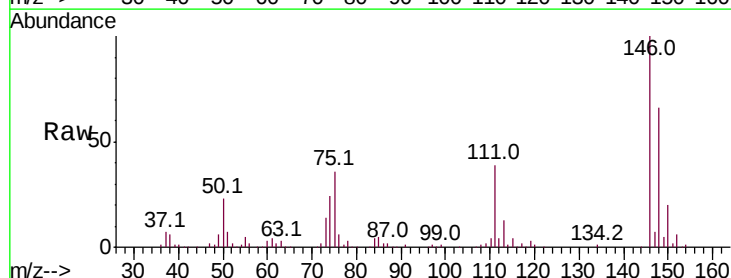
Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

Tot Ion:146 Resp: 103142
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.7 62.1
 148 64.6 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 46.698 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Tgt Ion:146 Resp: 103389
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.2 60.5
 148 64.8 31.6 95.0

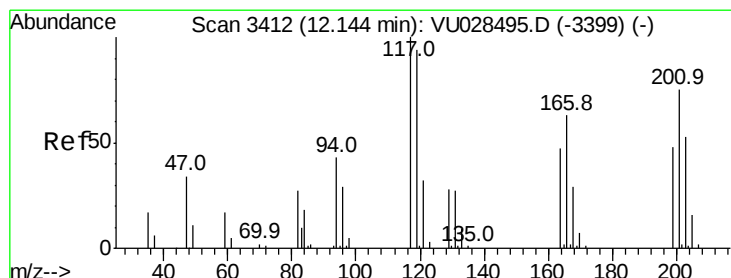
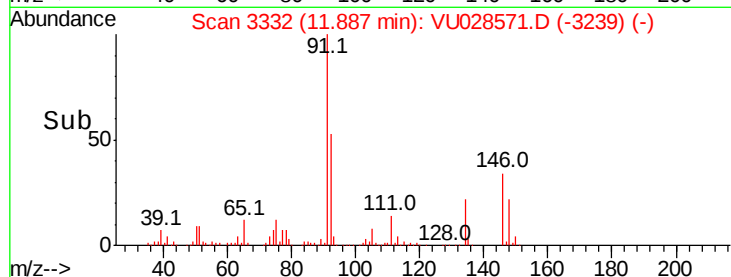
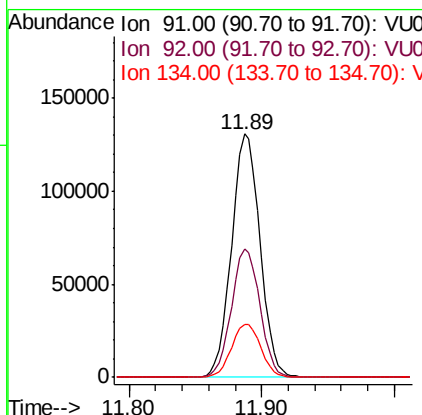
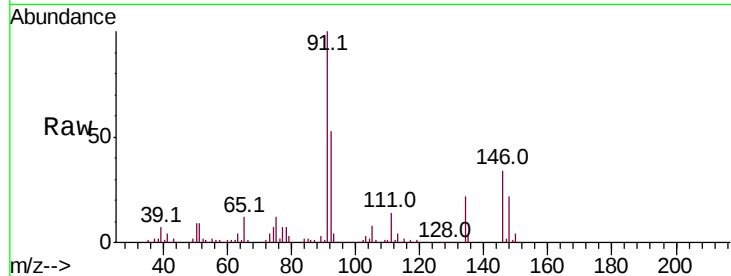




#89
n-Butylbenzene
Concen: 45.680 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

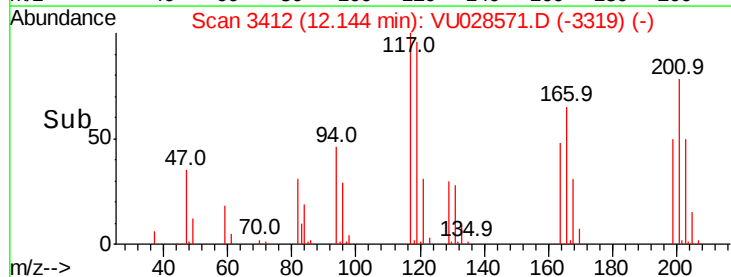
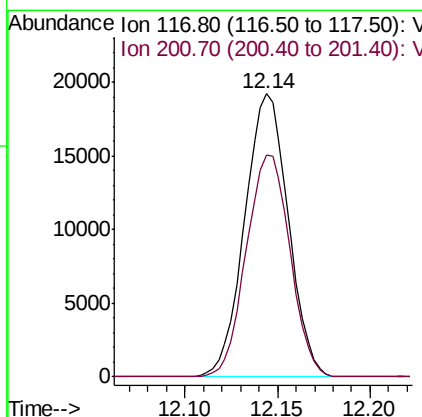
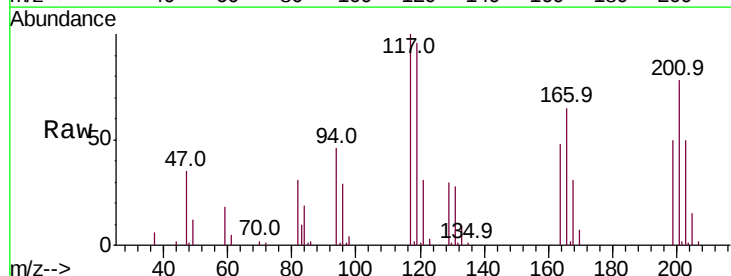
Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion: 91 Resp: 195047
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.9
134 22.4 11.3 33.8



#90
Hexachloroethane
Concen: 49.128 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 117 Resp: 31329
Ion Ratio Lower Upper
117 100
201 78.6 38.1 114.5

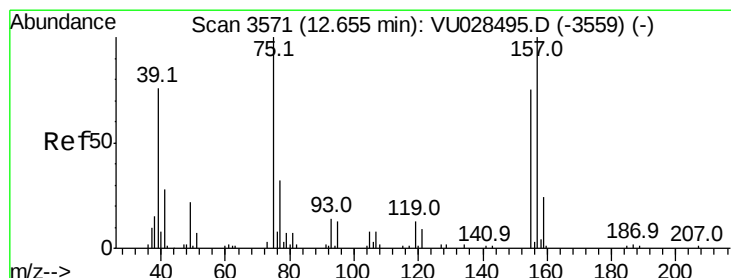
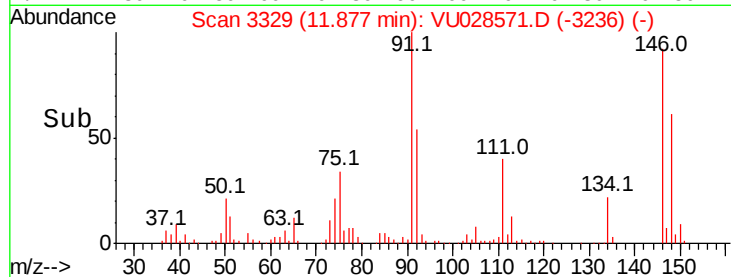
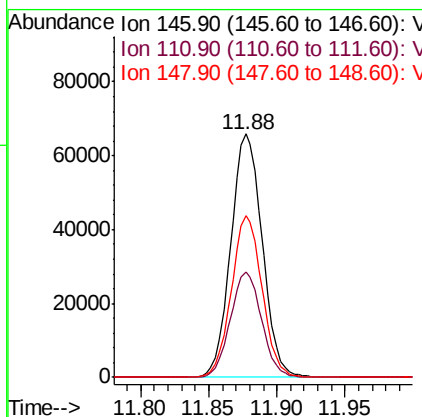
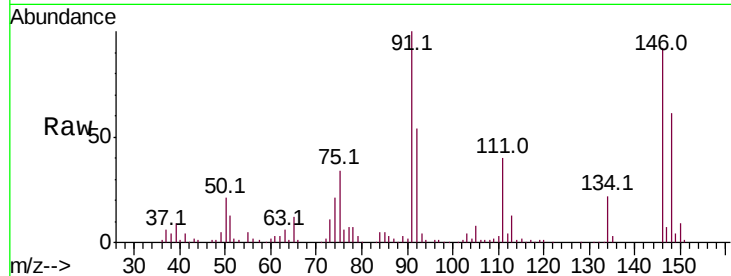




#91
 1,2-Dichlorobenzene
 Concen: 49.218 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

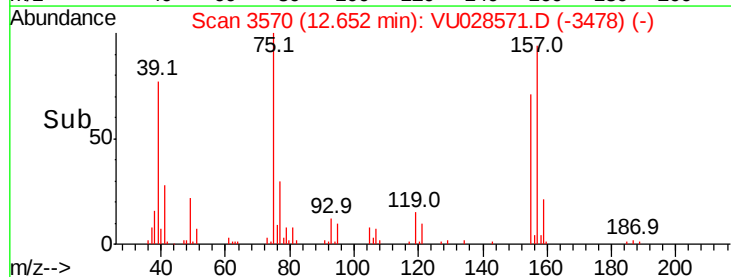
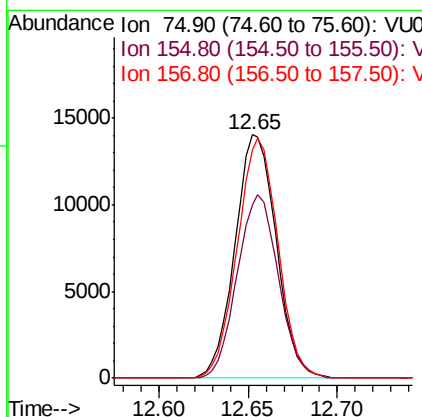
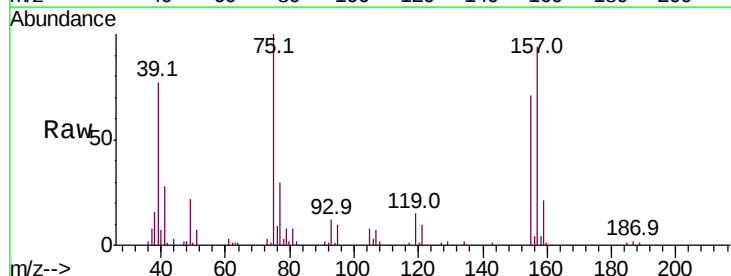
Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

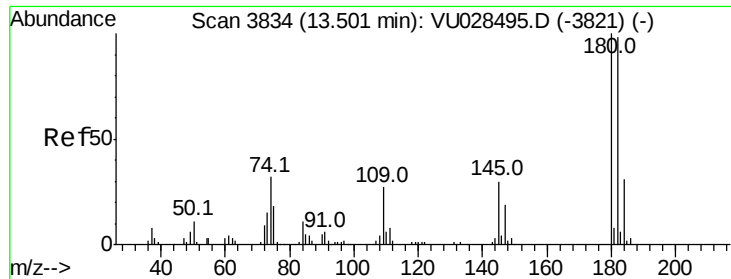
Tot Ion:	146	Resp:	105351
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.4
148	64.8	31.4	94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.127 ug/l
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Tgt Ion:	75	Resp:	22619
Ion	Ratio	Lower	Upper
75	100		
155	75.0	38.1	114.5
157	96.9	48.7	146.1

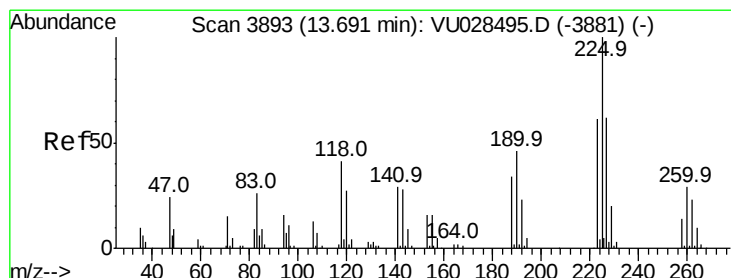
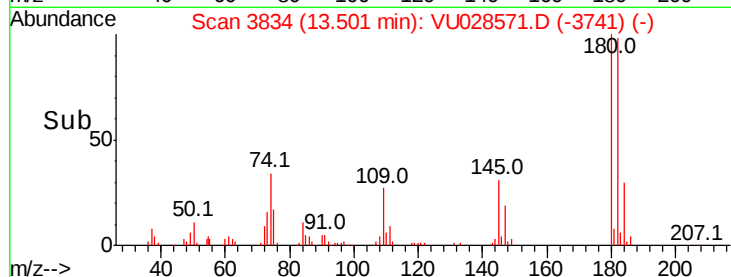
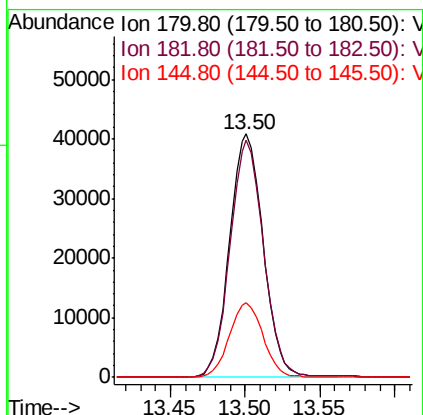
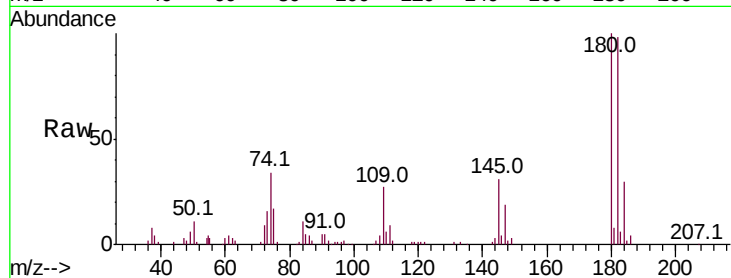




#93
1,2,4-Trichlorobenzene
Concen: 43.650 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

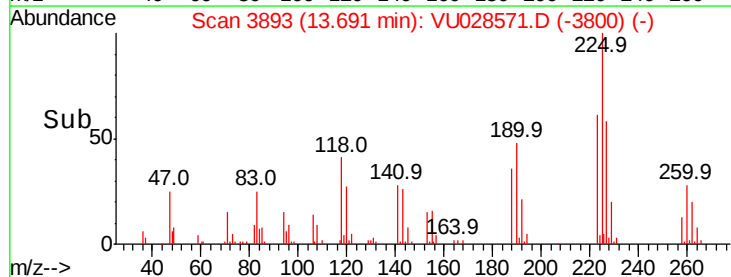
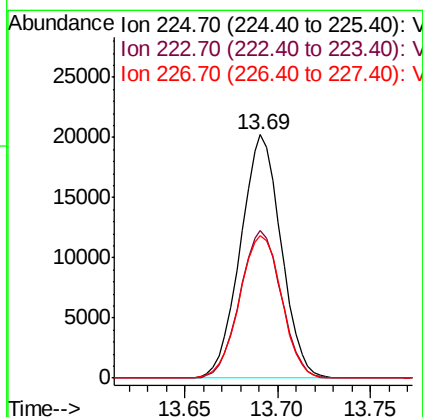
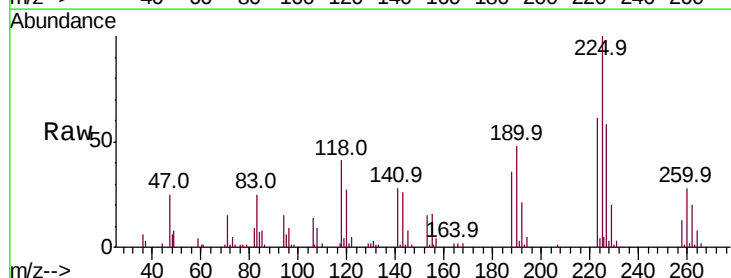
Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

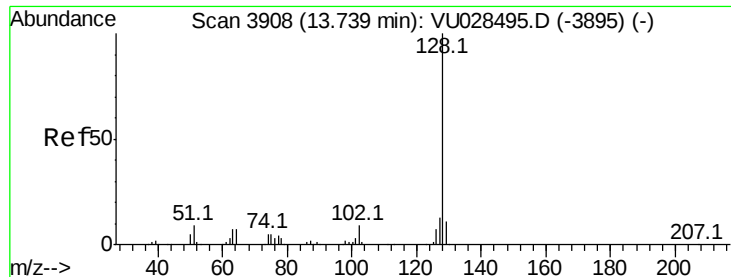
Tot Ion:180 Resp: 64044
Ion Ratio Lower Upper
180 100
182 97.7 47.9 143.8
145 30.4 15.0 45.1



#94
Hexachlorobutadiene
Concen: 43.978 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion:225 Resp: 30836
Ion Ratio Lower Upper
225 100
223 61.6 30.4 91.2
227 60.8 30.7 92.1

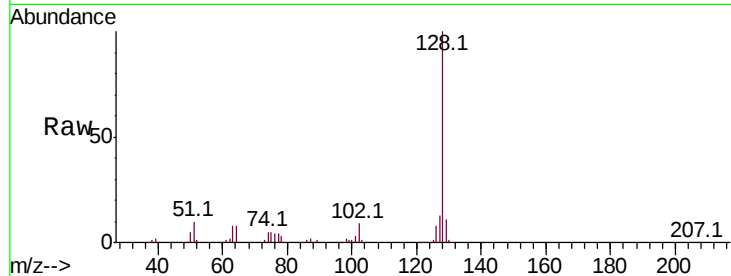




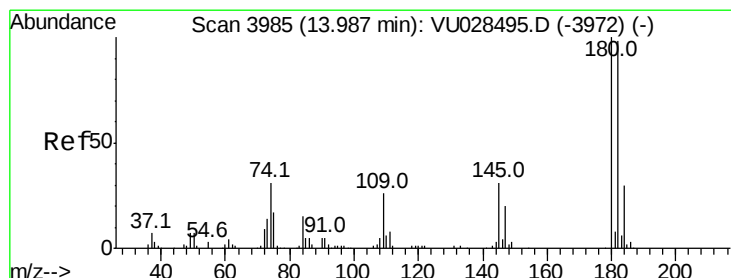
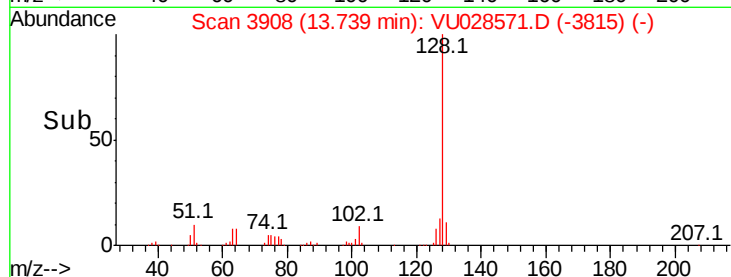
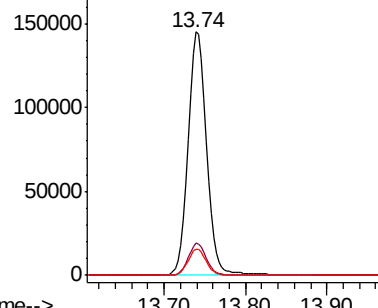
#95
Naphthalene
Concen: 45.797 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion:128 Resp: 235231
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.6 8.6 13.0

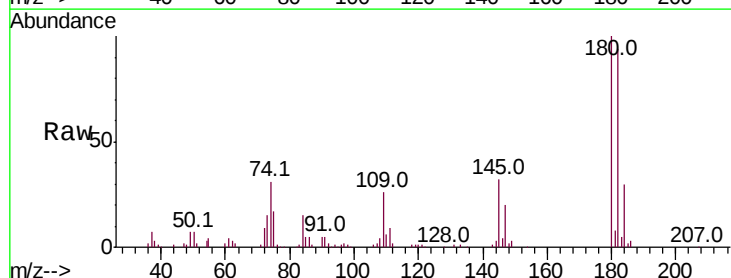


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 46.404 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion:180 Resp: 67915
Ion Ratio Lower Upper
180 100
182 95.3 48.2 144.6
145 32.1 15.8 47.3



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

