

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028807.D
 Acq On : 19 Dec 2018 20:34
 Operator : MD/SY
 Sample : J6474-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

Quant Time: Dec 20 03:23:34 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	106690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	181283	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	170551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	84181	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	72053	44.25	ug/l	0.00
Spiked Amount			Recovery	=	88.50%	
35) Dibromofluoromethane	4.88	113	61802	54.17	ug/l	0.00
Spiked Amount			Recovery	=	108.34%	
50) Toluene-d8	7.56	98	234400	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	10.30	95	84855	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	65469	45.782	ug/l	100
3) Chloromethane	1.33	50	107066	40.724	ug/l	100
4) Vinyl Chloride	1.40	62	300258	158.253	ug/l	100
5) Bromomethane	1.61	94	42778	55.971	ug/l	99
6) Chloroethane	1.69	64	51986	48.399	ug/l	97
7) Trichlorofluoromethane	1.88	101	93727	46.953	ug/l	100
8) Diethyl Ether	2.10	74	45749	48.985	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.28	101	58286	48.821	ug/l	96
10) Methyl Iodide	2.41	142	65654	70.086	ug/l	95
11) Tert butyl alcohol	2.83	59	82801	228.261	ug/l	98
12) 1,1-Dichloroethene	2.28	96	63021	53.054	ug/l	88
13) Acrolein	2.19	56	64550	223.218	ug/l	98
14) Allyl chloride	2.59	41	109274	38.886	ug/l #	96
15) Acrylonitrile	2.93	53	243525	241.808	ug/l	98
16) Acetone	2.32	43	177861	167.407	ug/l	93
17) Carbon Disulfide	2.48	76	202668	47.360	ug/l	100
18) Methyl Acetate	2.61	43	125179	45.451	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	214466	47.626	ug/l	99
20) Methylene Chloride	2.70	84	75363	48.118	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	122638	91.696	ug/l	90
22) Diisopropyl ether	3.57	45	240219	43.958	ug/l	97
23) Vinyl Acetate	3.52	43	937029	207.881	ug/l	96
24) 1,1-Dichloroethane	3.44	63	135484	47.363	ug/l	99
25) 2-Butanone	4.26	43	301344	207.546	ug/l	93
26) 2,2-Dichloropropane	4.22	77	95086	41.951	ug/l #	27
27) cis-1,2-Dichloroethene	4.22	96	938596	620.033	ug/l	81
28) Bromochloromethane	4.55	49	57512	44.226	ug/l	87
29) Tetrahydrofuran	4.64	42	208212	223.285	ug/l	91
30) Chloroform	4.67	83	122775	49.245	ug/l	97
31) Cyclohexane	4.99	56	125448	44.816	ug/l	93
32) 1,1,1-Trichloroethane	4.91	97	97809	47.236	ug/l	97
36) 1,1-Dichloropropene	5.13	75	96918	48.856	ug/l	97
37) Ethyl Acetate	4.38	43	111424	43.450	ug/l #	78
38) Carbon Tetrachloride	5.13	117	78138	48.870	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	112609	46.530	ug/l	93
40) Benzene	5.39	78	304186	52.063	ug/l	98
41) Methacrylonitrile	4.54	41	64353	45.823	ug/l	94
42) 1,2-Dichloroethane	5.40	62	96012	46.947	ug/l	97
43) Isopropyl Acetate	5.55	43	177021	43.643	ug/l #	95
44) Trichloroethene	6.19	130	1478976	1138.469	ug/l	90
45) 1,2-Dichloropropane	6.43	63	84017	51.137	ug/l	100
46) Dibromomethane	6.56	93	50583	51.889	ug/l	94
47) Bromodichloromethane	6.76	83	94481	49.806	ug/l	99
48) Methyl methacrylate	6.62	41	90427	44.830	ug/l	90
49) 1,4-Dioxane	6.61	88	32570	1022.616	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	582972	227.880	ug/l	94
52) Toluene	7.64	92	187161	54.431	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	109693	48.553	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	118028	48.152	ug/l	91
55) 1,1,2-Trichloroethane	8.06	97	73206	53.859	ug/l	98
56) Ethyl methacrylate	8.02	69	117202	50.354	ug/l	89
57) 1,3-Dichloropropane	8.24	76	129317	51.253	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	637	0.534	ug/l #	54
59) 2-Hexanone	8.36	43	444659	219.294	ug/l	92
60) Dibromochloromethane	8.48	129	69794	52.447	ug/l	100
61) 1,2-Dibromoethane	8.58	107	78686	55.205	ug/l	98
64) Tetrachloroethene	8.22	164	70475	61.950	ug/l	98
65) Chlorobenzene	9.12	112	192296	52.912	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	64223	55.339	ug/l	98
67) Ethyl Benzene	9.25	91	334871	50.123	ug/l	98
68) m/p-Xylenes	9.37	106	259170	106.609	ug/l	96
69) o-Xylene	9.78	106	125928	53.304	ug/l	94
70) Styrene	9.79	104	207337	53.031	ug/l	97
71) Bromoform	9.96	173	56874	57.608	ug/l #	98
73) Isopropylbenzene	10.16	105	322361	49.905	ug/l	98
74) N-amyl acetate	10.01	43	153196	41.115	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	131254	52.896	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	149870	69.721	ug/l	85
77) Bromobenzene	10.45	156	82893	54.870	ug/l	90
78) n-propylbenzene	10.58	91	390056	48.596	ug/l	98
79) 2-Chlorotoluene	10.66	91	232646	50.318	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	273124	51.080	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	149870	170.148	ug/l #	100
82) 4-Chlorotoluene	10.77	91	262384	47.890	ug/l	96
83) tert-Butylbenzene	11.10	119	264010	51.227	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	277531	50.364	ug/l	96
85) sec-Butylbenzene	11.32	105	328190	49.569	ug/l	98
86) p-Isopropyltoluene	11.47	119	276416	49.147	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	146454	51.340	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	147254	49.893	ug/l	98
89) n-Butylbenzene	11.89	91	254791	44.763	ug/l	99
90) Hexachloroethane	12.14	117	44241	52.043	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	148898	52.182	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26707	49.714	ug/l	85

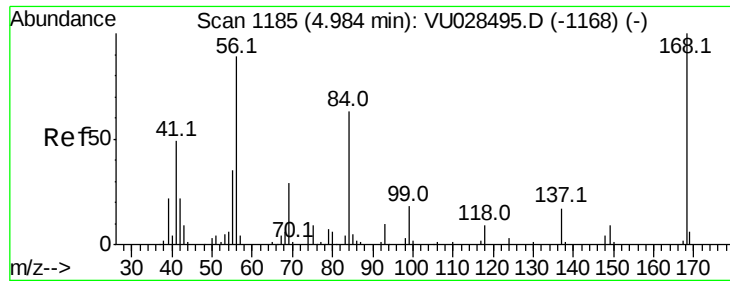
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QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	97578	49.769	ug/l	99
94) Hexachlorobutadiene	13.69	225	42405	45.368	ug/l	96
95) Naphthalene	13.74	128	343431	50.157	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	102369	52.450	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

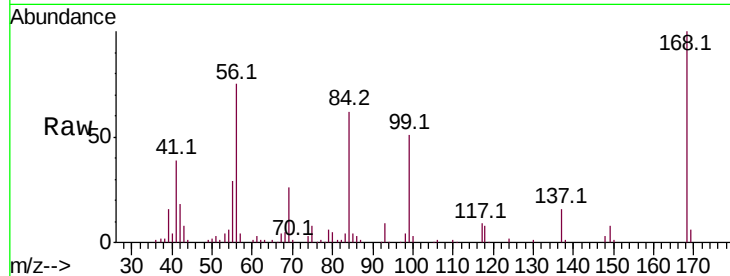
S49-0492MSD

Tot Ion:168 Resp: 106690

Ion Ratio Lower Upper

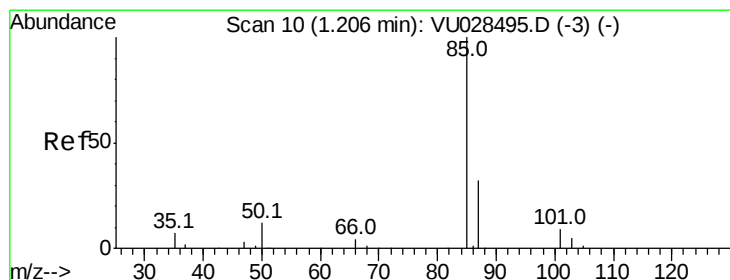
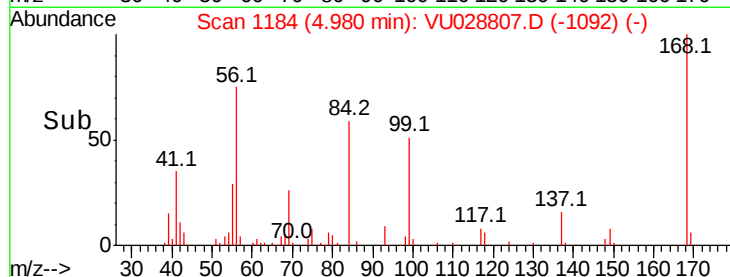
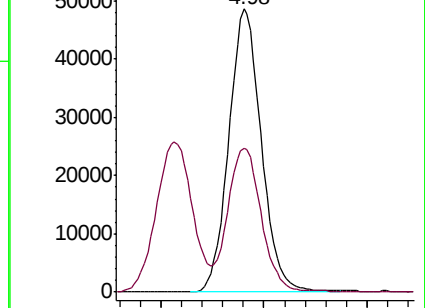
168 100

99 50.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028807.D (-1092) (-)

Ion 98.90 (98.60 to 99.60): VU028807.D (-1092) (-)



#2

Dichlorodifluoromethane

Concen: 45.782 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028807.D

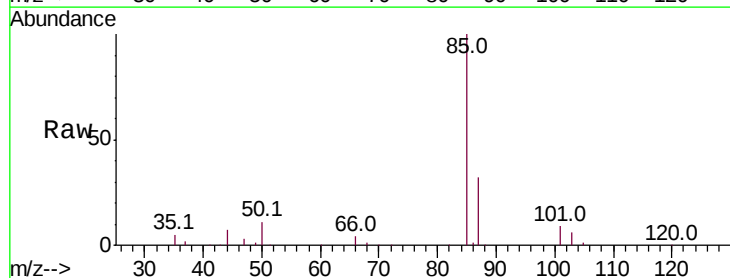
Acq: 19 Dec 2018 20:34

Tgt Ion: 85 Resp: 65469

Ion Ratio Lower Upper

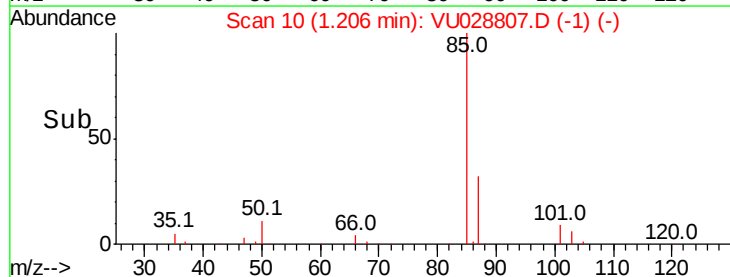
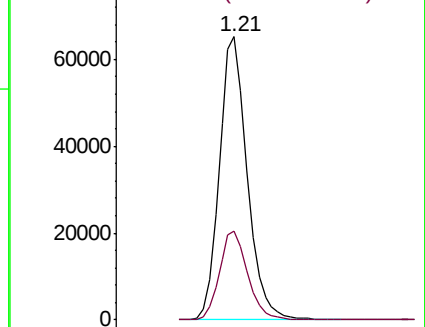
85 100

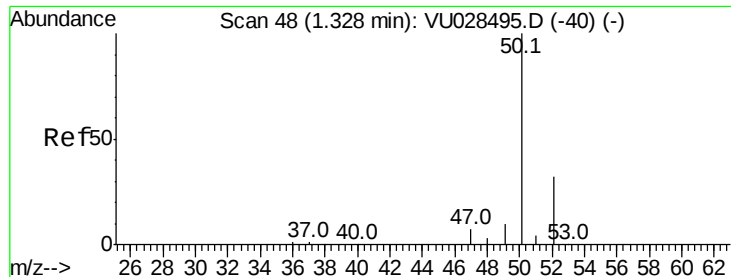
87 31.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028807.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU028807.D (-1) (-)





#3

Chloromethane

Concen: 40.724 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

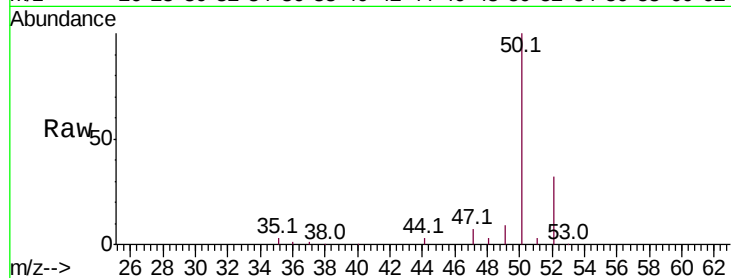
S49-0492MSD

Tot Ion: 50 Resp: 107066

Ion Ratio Lower Upper

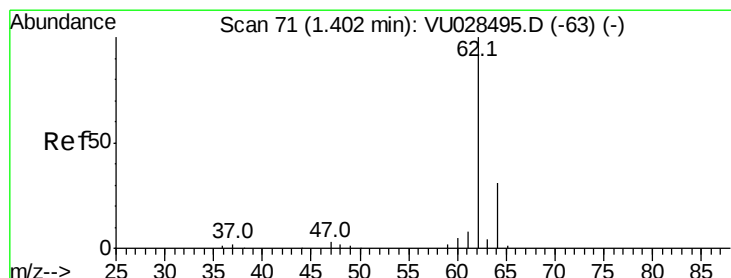
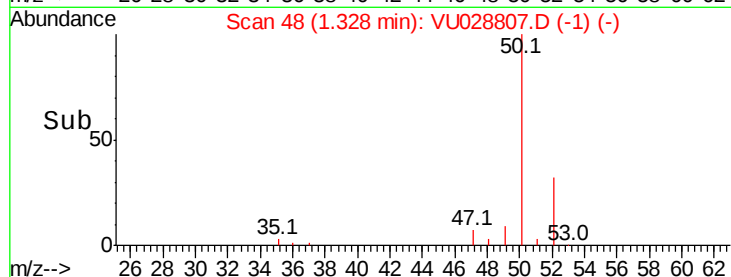
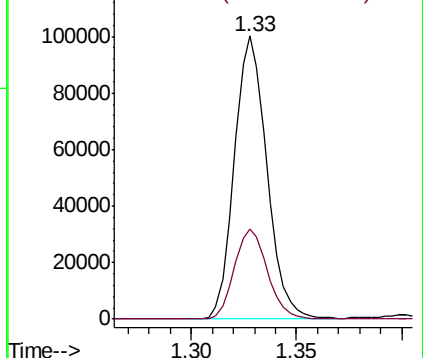
50 100

52 32.0 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: 158.253 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028807.D

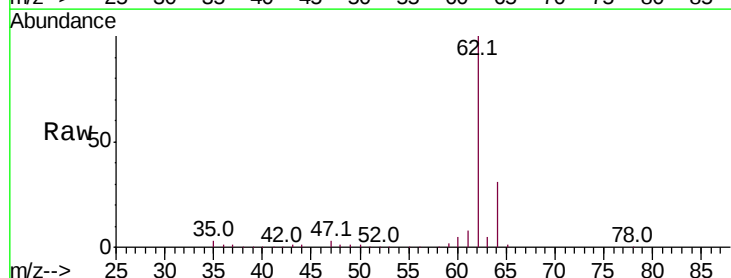
Acq: 19 Dec 2018 20:34

Tgt Ion: 62 Resp: 300258

Ion Ratio Lower Upper

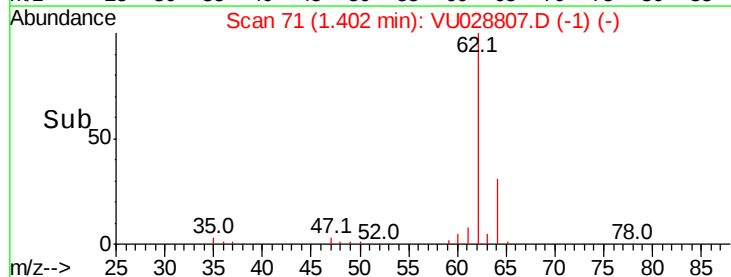
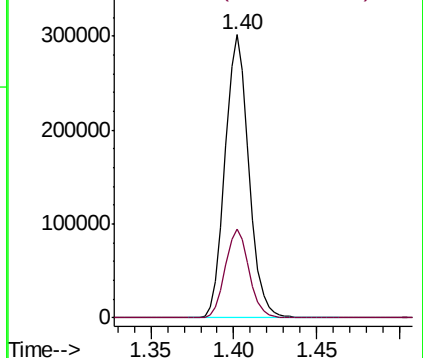
62 100

64 31.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

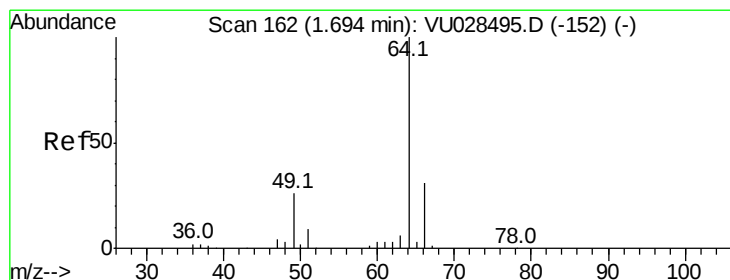
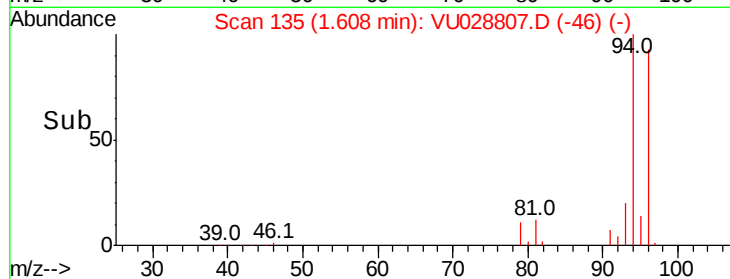
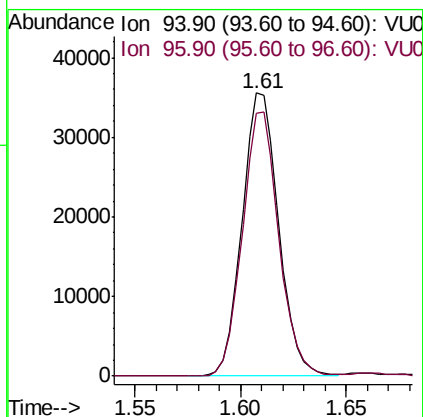
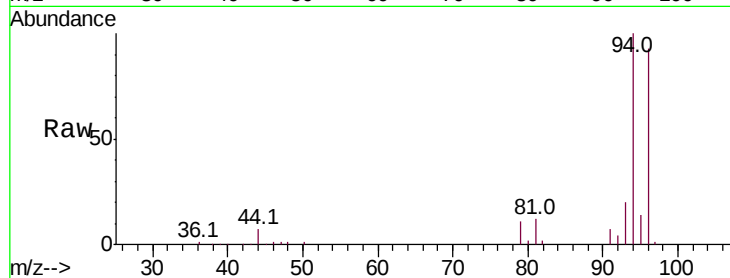




#5
Bromomethane
Concen: 55.971 ug/l
RT: 1.61 min Scan# 135
Delta R.T. -0.01 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

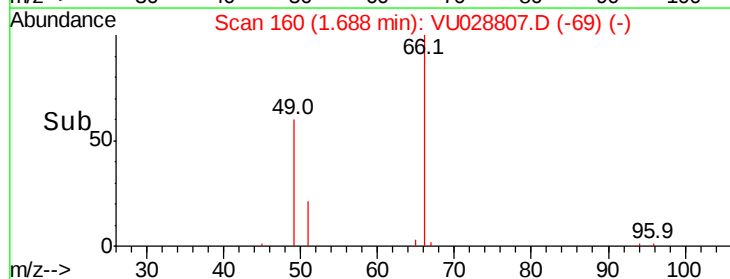
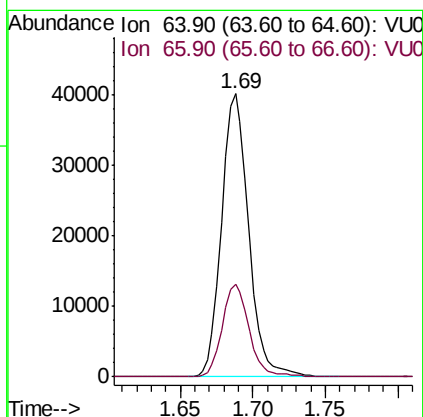
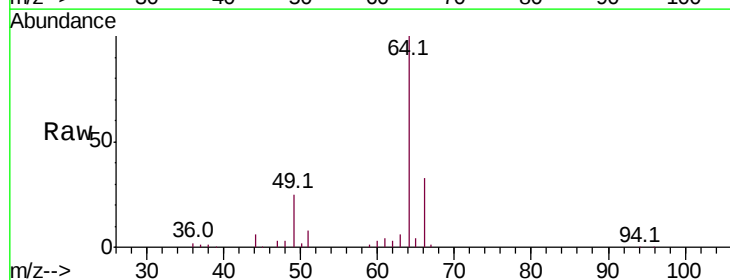
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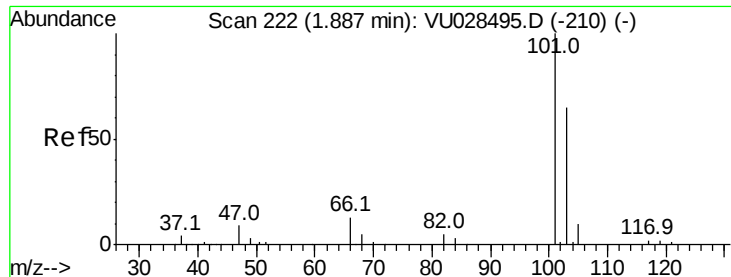
Tot Ion: 94 Resp: 42778
Ion Ratio Lower Upper
94 100
96 92.7 73.2 109.8



#6
Chloroethane
Concen: 48.399 ug/l
RT: 1.69 min Scan# 160
Delta R.T. -0.01 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion: 64 Resp: 51986
Ion Ratio Lower Upper
64 100
66 32.8 25.0 37.6



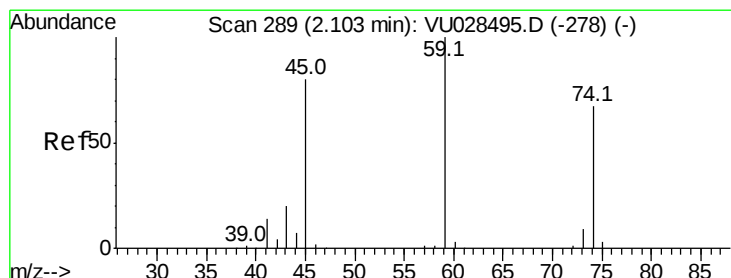
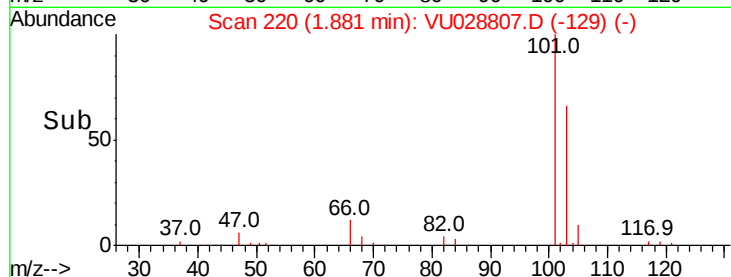
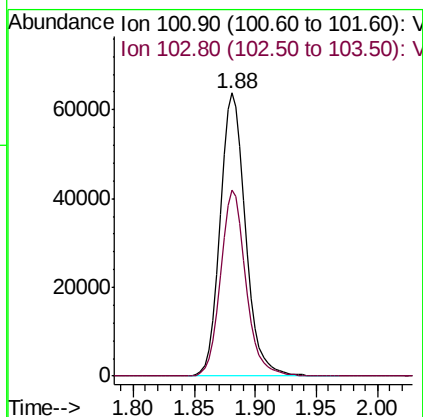
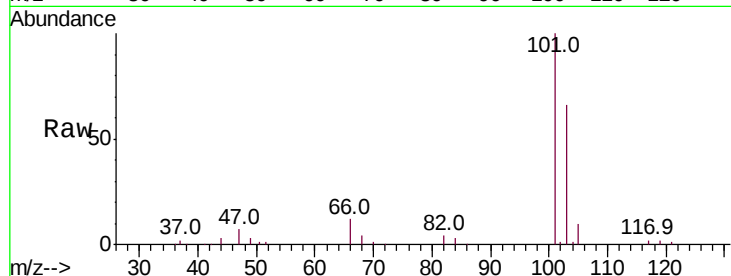


#7

Trichlorofluoromethane
 Concen: 46.953 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

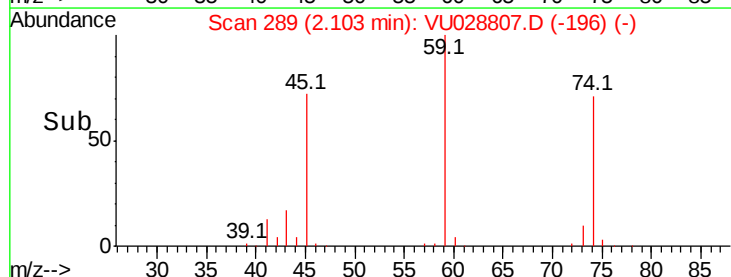
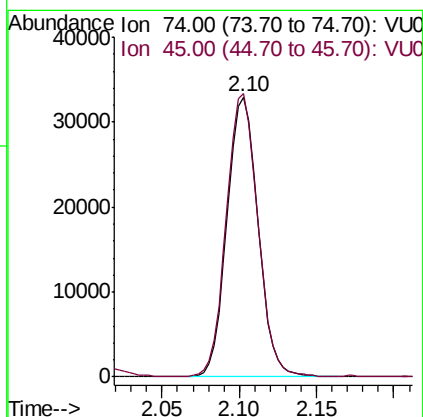
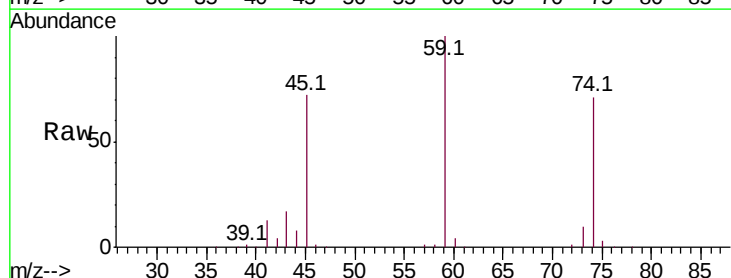
Tot Ion:101 Resp: 93727
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.3 78.5

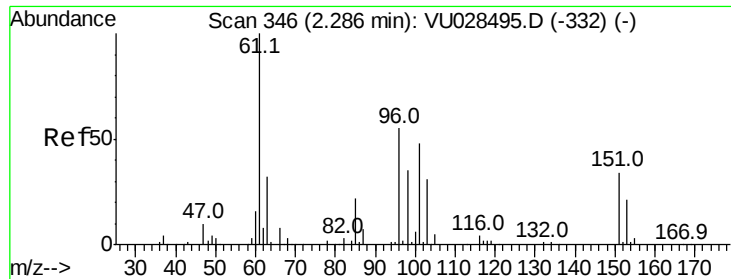


#8

Diethyl Ether
 Concen: 48.985 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion: 74 Resp: 45749
 Ion Ratio Lower Upper
 74 100
 45 102.9 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.821 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

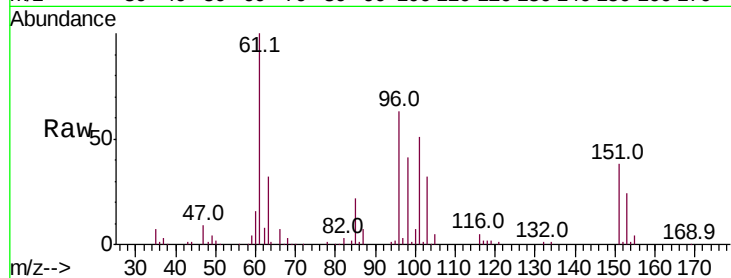
Tot Ion:101 Resp: 58286

Ion Ratio Lower Upper

101 100

85 43.1 36.4 54.6

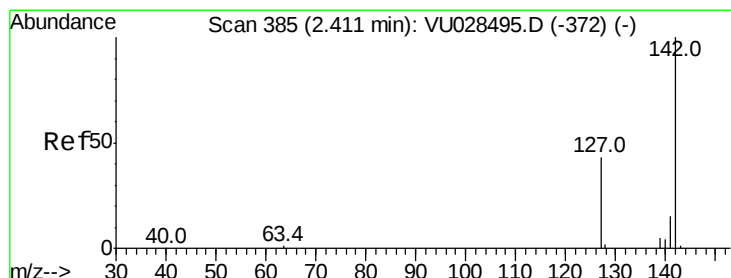
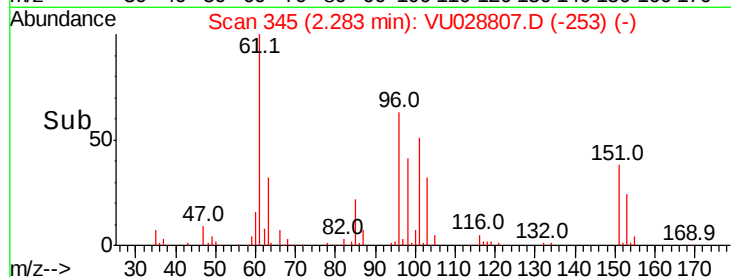
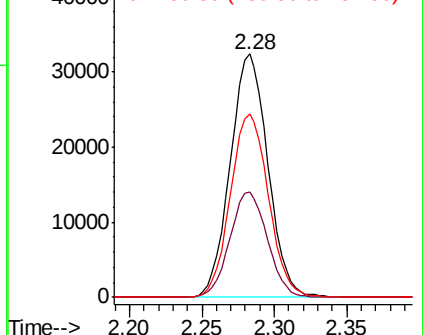
151 76.2 58.2 87.2



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: 70.086 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

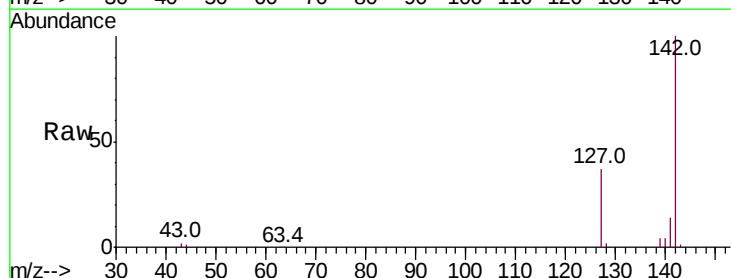
Tgt Ion:142 Resp: 65654

Ion Ratio Lower Upper

142 100

127 37.4 33.5 50.3

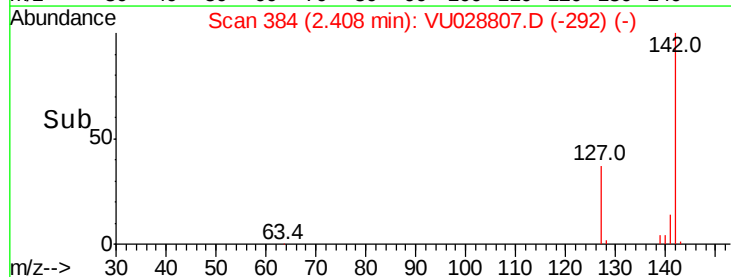
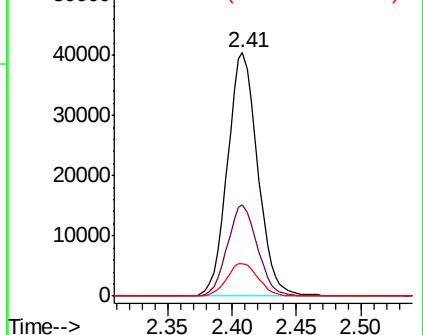
141 13.9 11.2 16.8

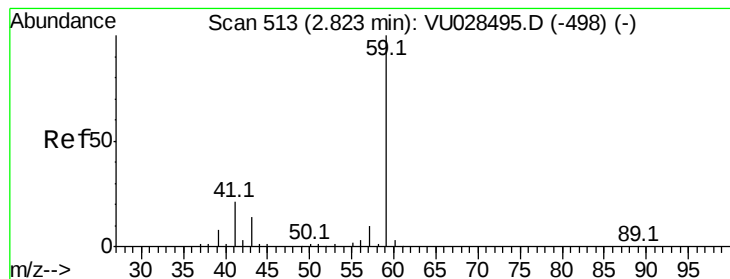


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



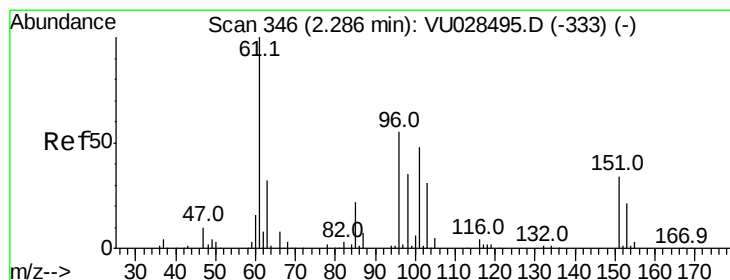
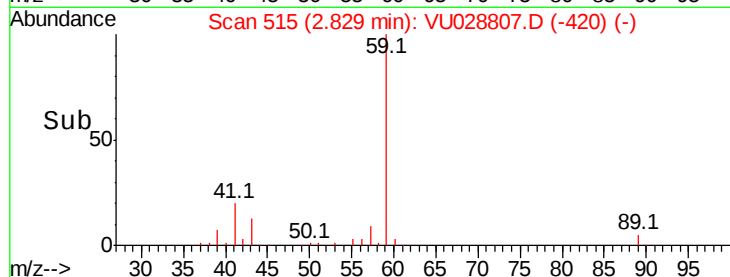
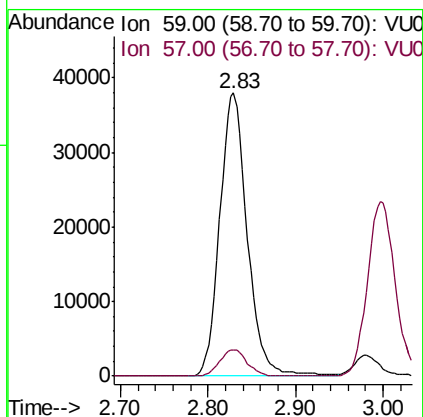
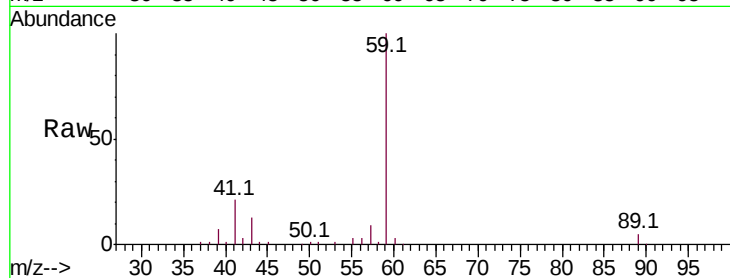


#11

Tert butyl alcohol
 Concen: 228.261 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

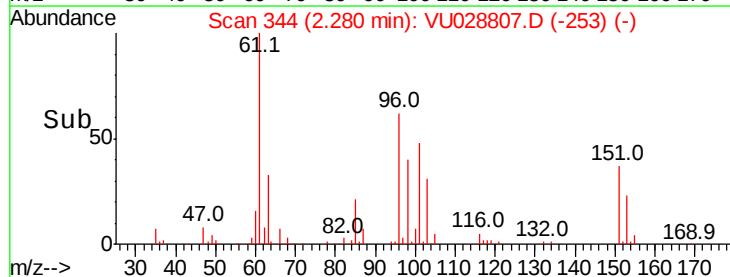
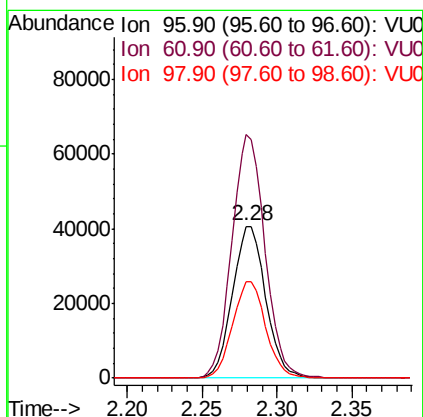
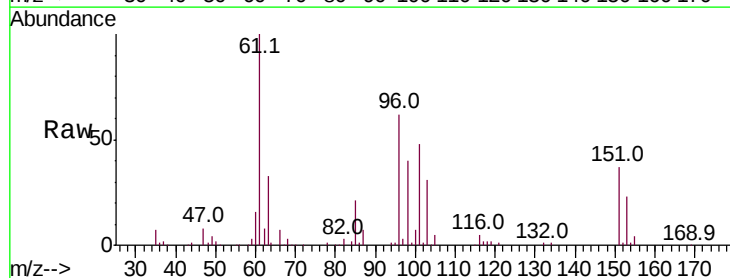
Tot Ion: 59 Resp: 82801
 Ion Ratio Lower Upper
 59 100
 57 9.2 8.0 12.0

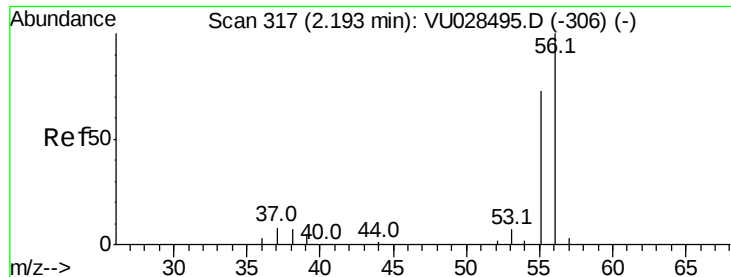


#12

1,1-Dichloroethene
 Concen: 53.054 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion: 96 Resp: 63021
 Ion Ratio Lower Upper
 96 100
 61 160.3 146.4 219.6
 98 63.5 51.8 77.8





#13

Acrolein

Concen: 223.218 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

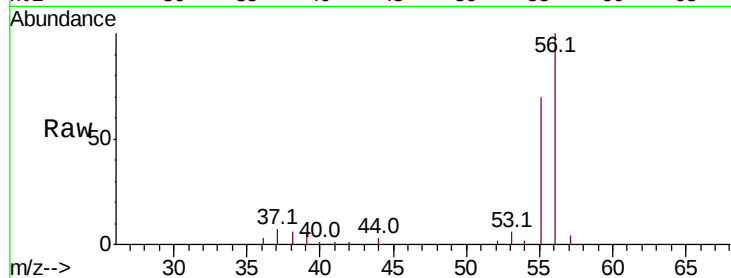
S49-0492MSD

Tot Ion: 56 Resp: 64550

Ion Ratio Lower Upper

56 100

55 70.6 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU028807.D (-224) (-)

Ion 55.00 (54.70 to 55.70): VU028807.D (-224) (-)

2.19

40000

30000

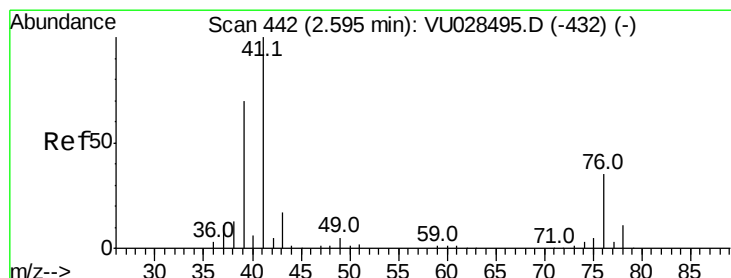
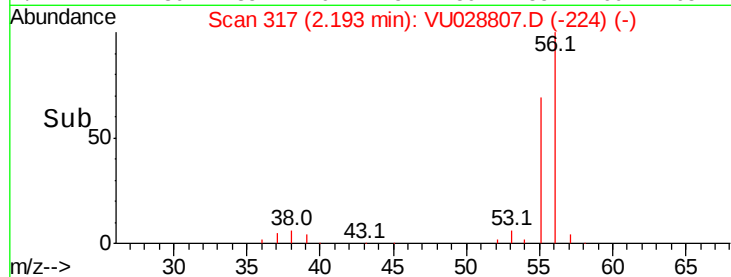
20000

10000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 38.886 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

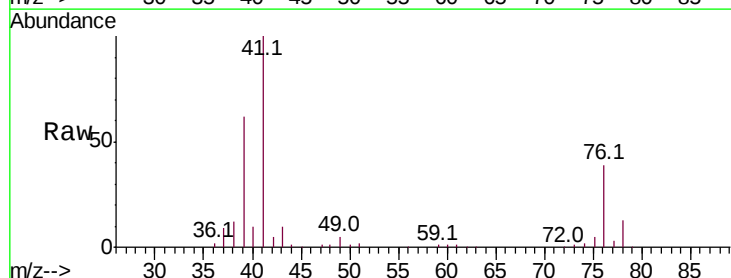
Tgt Ion: 41 Resp: 109274

Ion Ratio Lower Upper

41 100

39 63.4 50.8 76.2

76 37.5 24.8 37.2#



Abundance Ion 41.00 (40.70 to 41.70): VU028807.D (-349) (-)

Ion 39.00 (38.70 to 39.70): VU028807.D (-349) (-)

Ion 75.90 (75.60 to 76.60): VU028807.D (-349) (-)

2.59

80000

60000

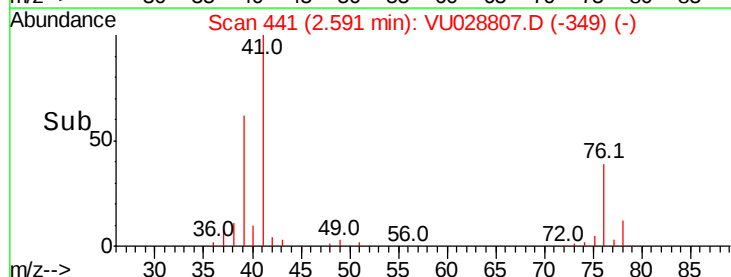
40000

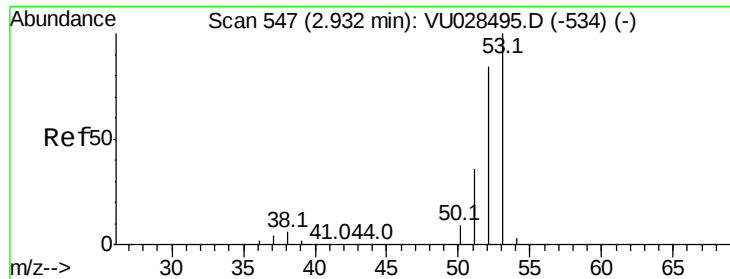
20000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 241.808 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

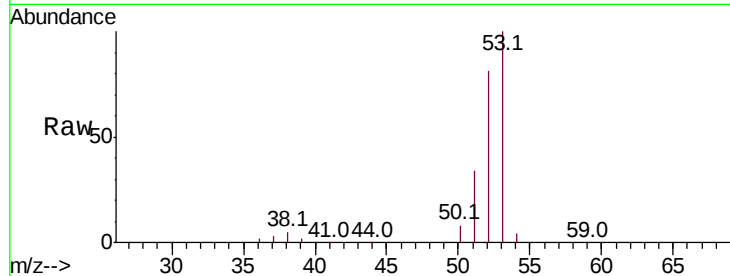
Tot Ion: 53 Resp: 243525

Ion Ratio Lower Upper

53 100

52 81.0 66.1 99.1

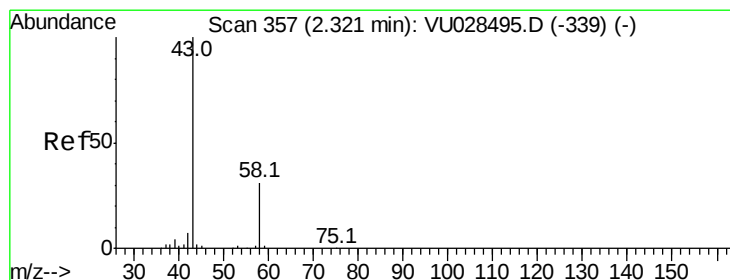
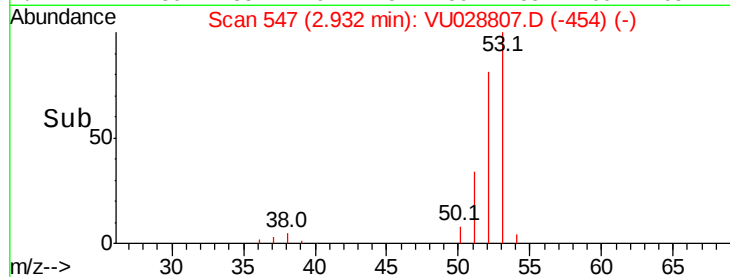
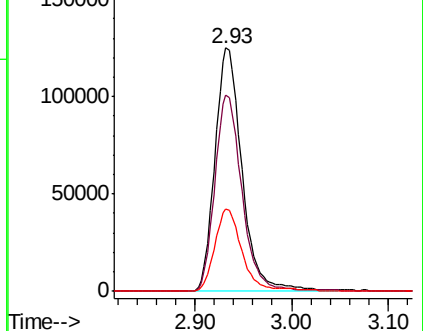
51 34.5 28.1 42.1



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



#16

Acetone

Concen: 167.407 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028807.D

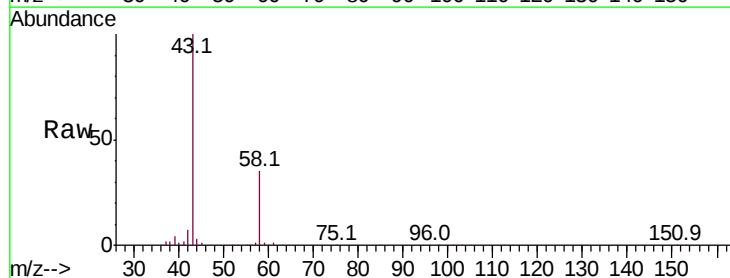
Acq: 19 Dec 2018 20:34

Tgt Ion: 43 Resp: 177861

Ion Ratio Lower Upper

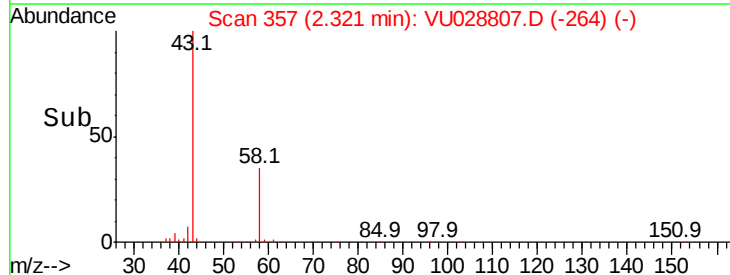
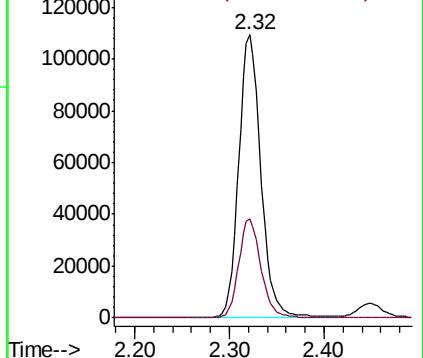
43 100

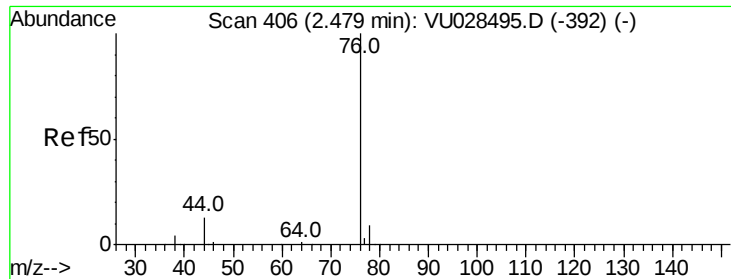
58 34.9 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

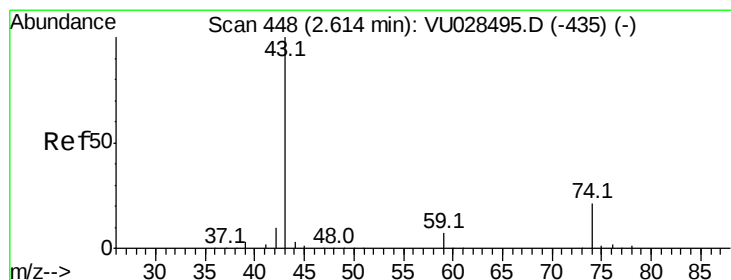
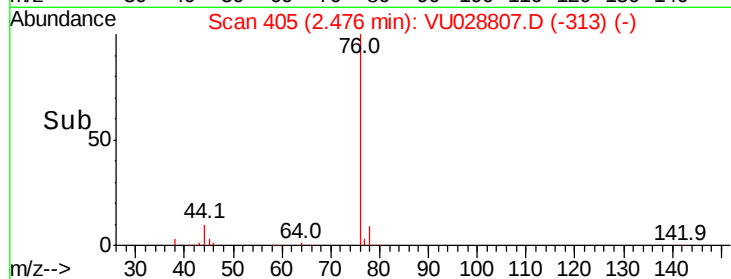
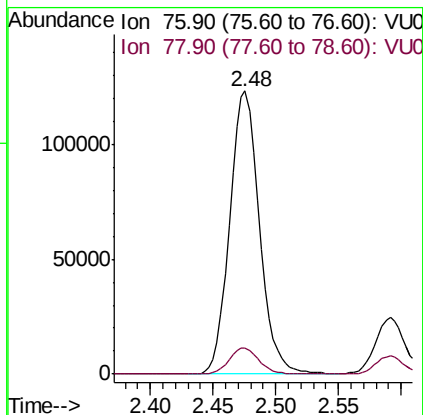
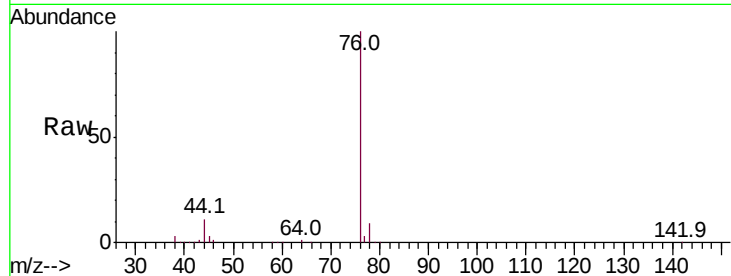




#17
Carbon Disulfide
Concen: 47.360 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

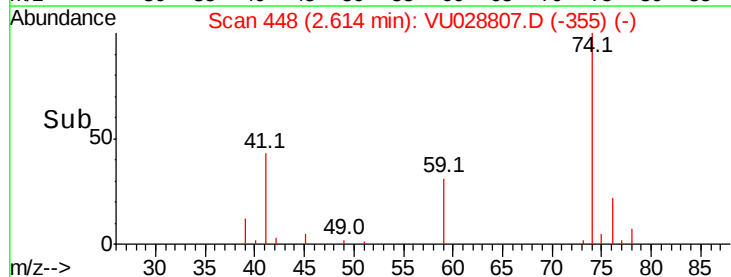
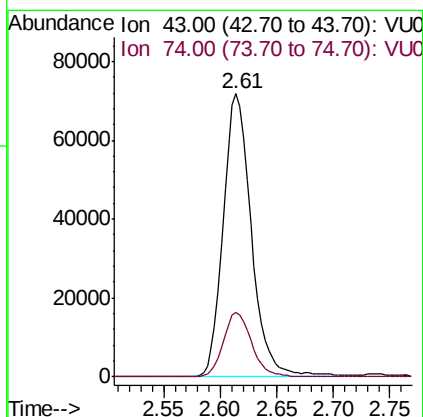
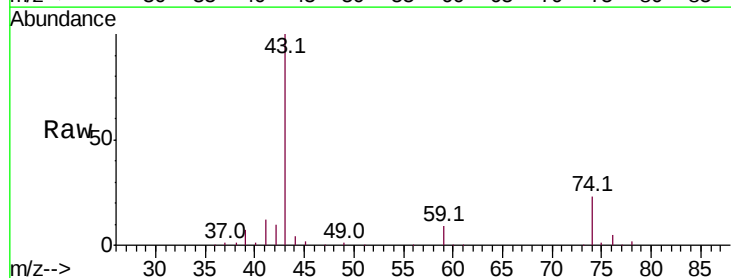
Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

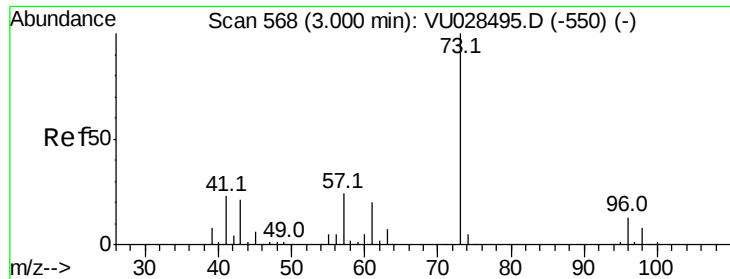
Tot Ion: 76 Resp: 202668
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 45.451 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion: 43 Resp: 125179
Ion Ratio Lower Upper
43 100
74 23.0 16.4 24.6

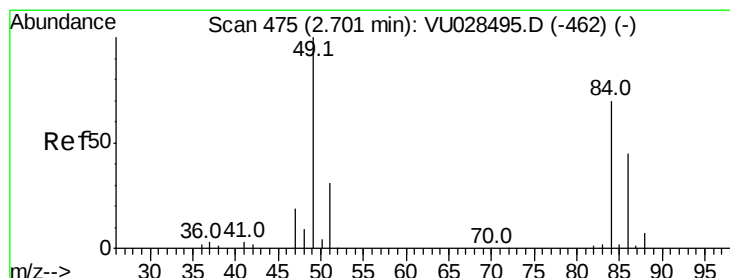
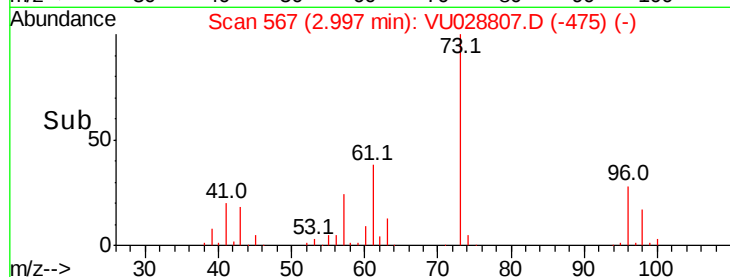
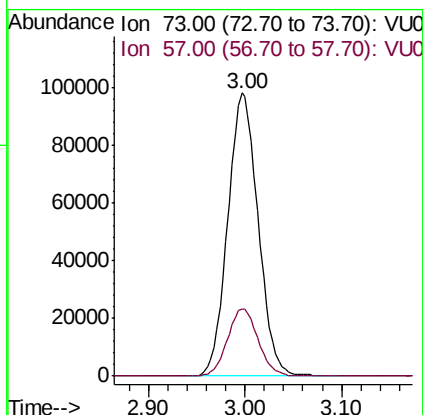
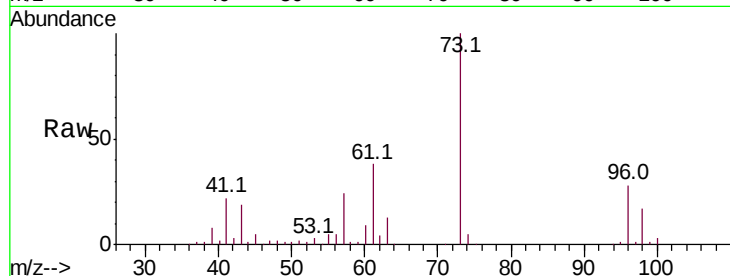




#19
Methvl tert-butvl Ether
Concen: 47.626 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

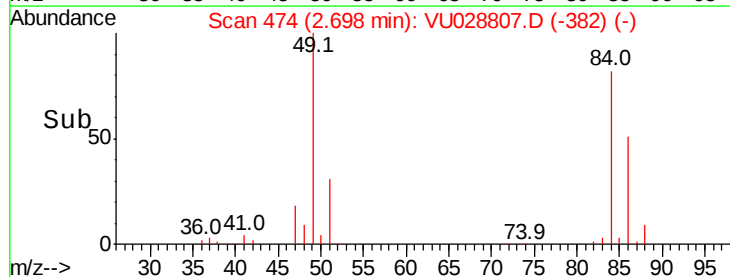
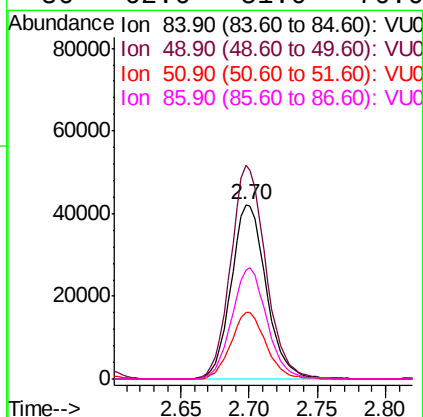
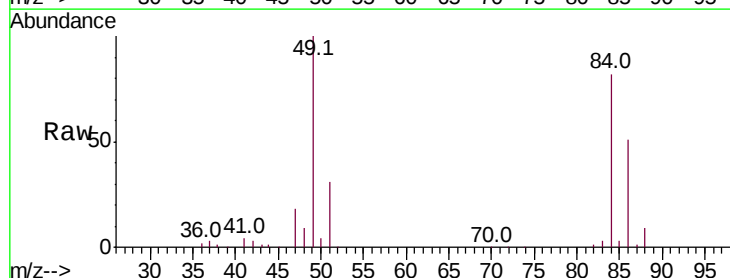
Instrument :
MSVOA_U
ClientSampled :
S49-0492MSD

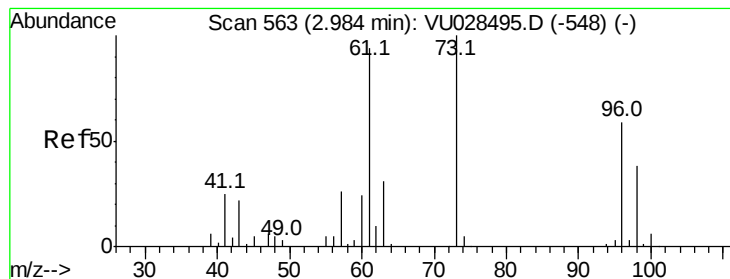
Tot Ion: 73 Resp: 214466
Ion Ratio Lower Upper
73 100
57 23.9 19.4 29.2



#20
Methylene Chloride
Concen: 48.118 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion: 84 Resp: 75363
Ion Ratio Lower Upper
84 100
49 122.6 114.0 171.0
51 38.1 35.1 52.7
86 62.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 91.696 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

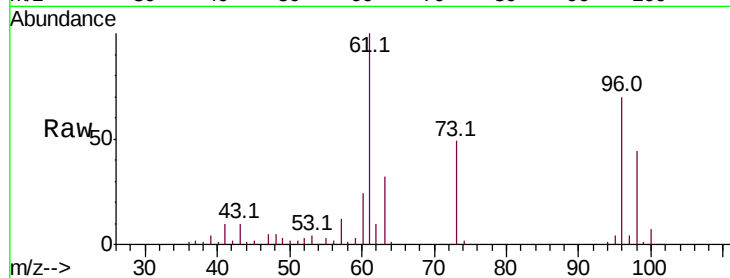
Tot Ion: 96 Resp: 122638

Ion Ratio Lower Upper

96 100

61 142.5 127.0 190.4

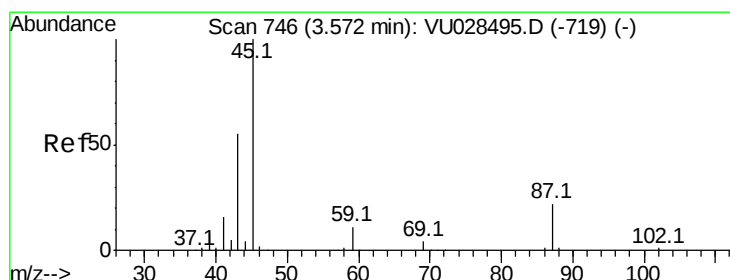
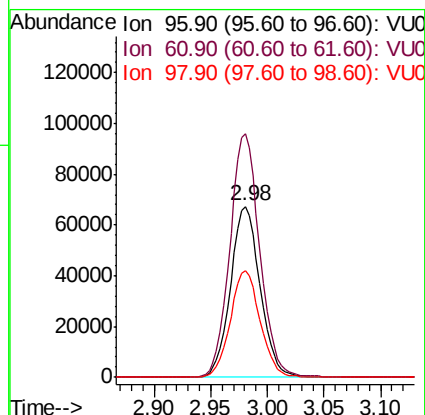
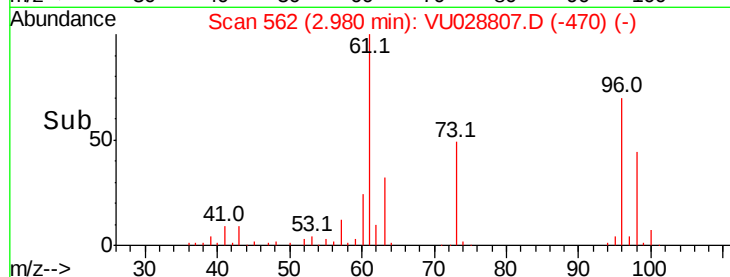
98 62.5 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU028807.D (-470) (-)

Ion 60.90 (60.60 to 61.60): VU028807.D (-470) (-)

Ion 97.90 (97.60 to 98.60): VU028807.D (-470) (-)



#22

Diisopropyl ether

Concen: 43.958 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Tgt Ion: 45 Resp: 240219

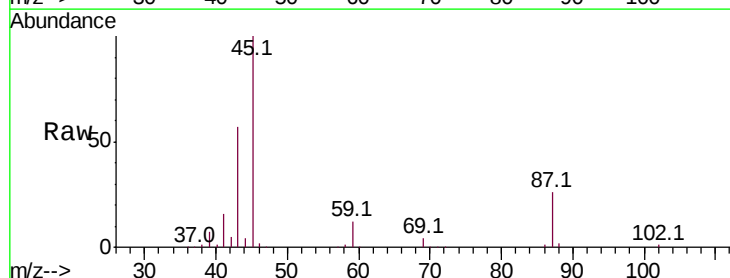
Ion Ratio Lower Upper

45 100

43 55.8 45.3 67.9

87 25.8 17.6 26.4

59 11.6 8.8 13.2

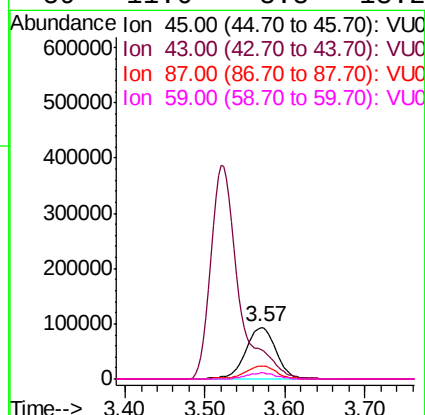
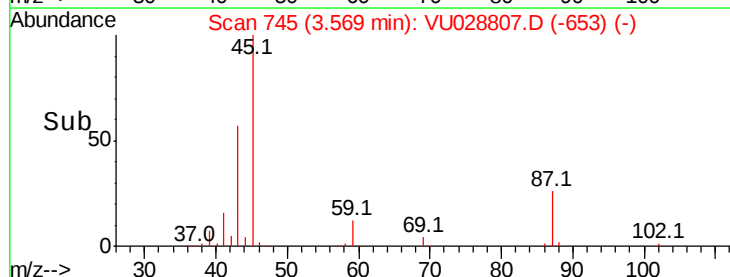


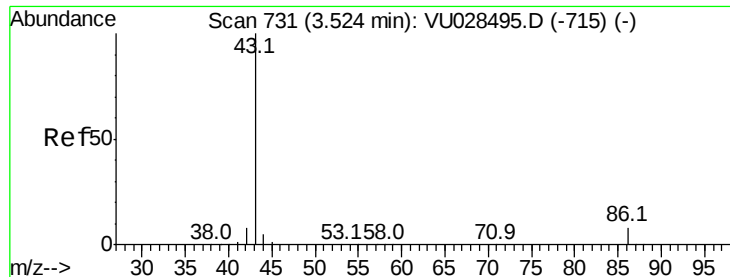
Abundance Ion 45.00 (44.70 to 45.70): VU028807.D (-653) (-)

Ion 43.00 (42.70 to 43.70): VU028807.D (-653) (-)

Ion 87.00 (86.70 to 87.70): VU028807.D (-653) (-)

Ion 59.00 (58.70 to 59.70): VU028807.D (-653) (-)





#23

Vinyl Acetate

Concen: 207.881 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

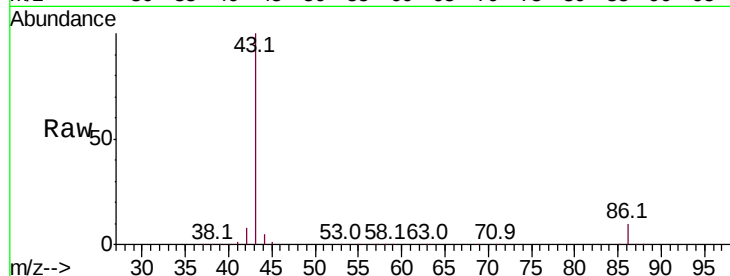
S49-0492MSD

Tot Ion: 43 Resp: 937029

Ion Ratio Lower Upper

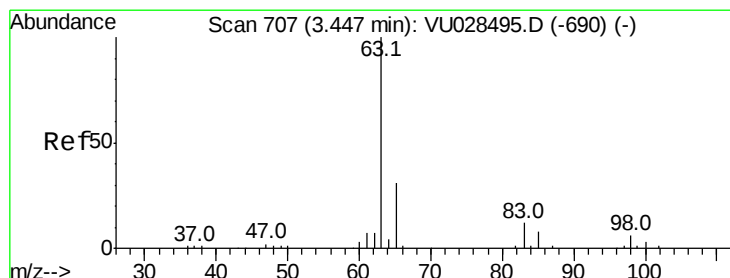
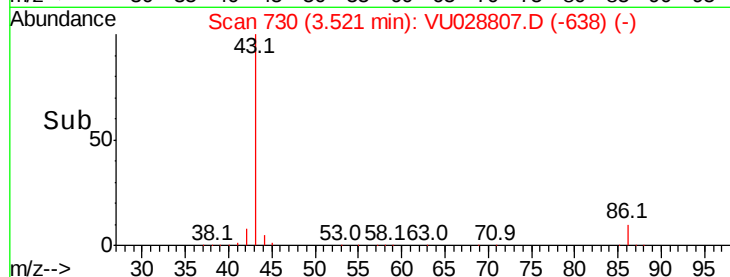
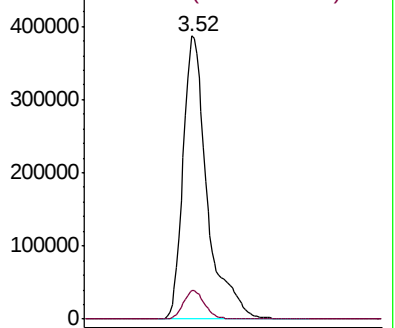
43 100

86 10.1 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 47.363 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

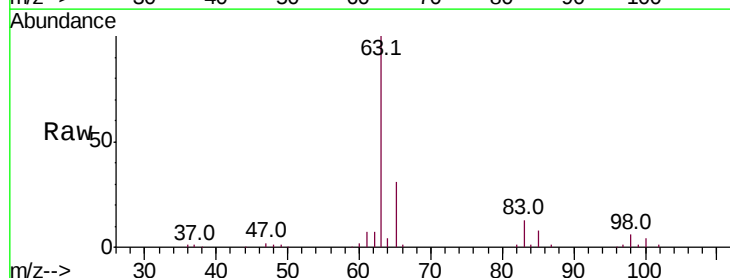
Tgt Ion: 63 Resp: 135484

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

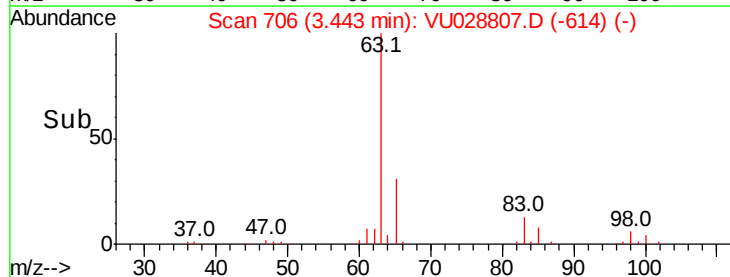
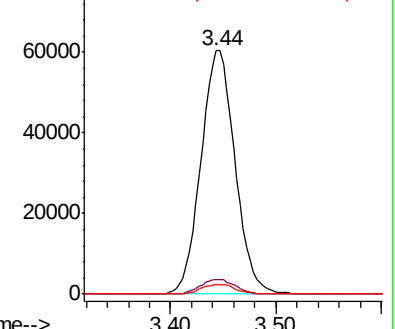
100 3.8 1.7 5.1

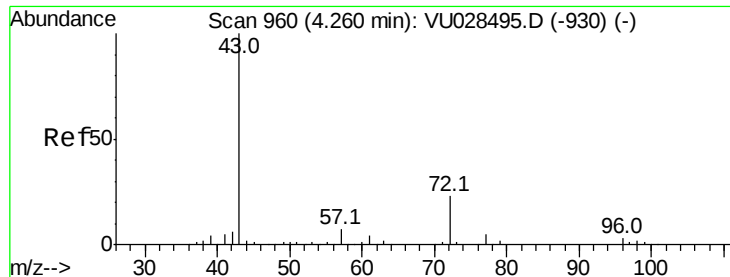


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 207.546 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

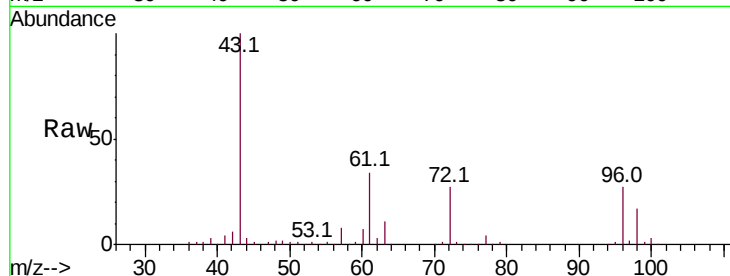
S49-0492MSD

Tot Ion: 43 Resp: 301344

Ion Ratio Lower Upper

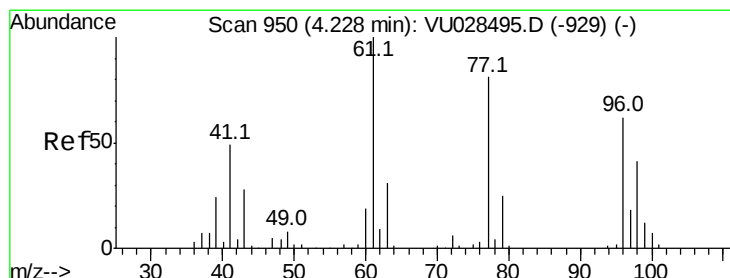
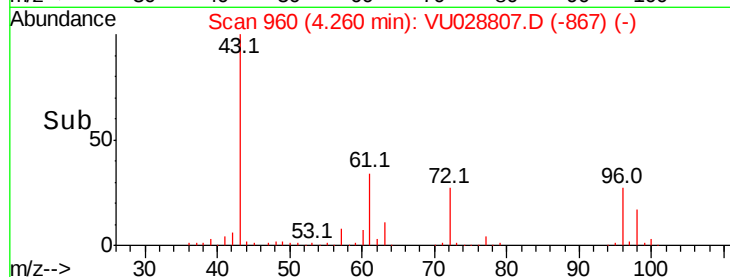
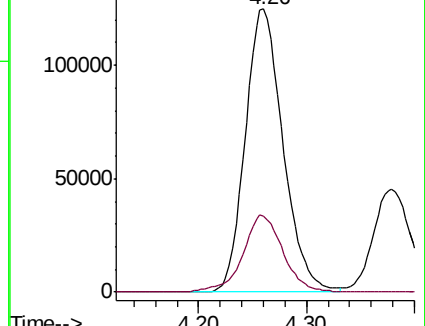
43 100

72 26.7 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: 41.951 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028807.D

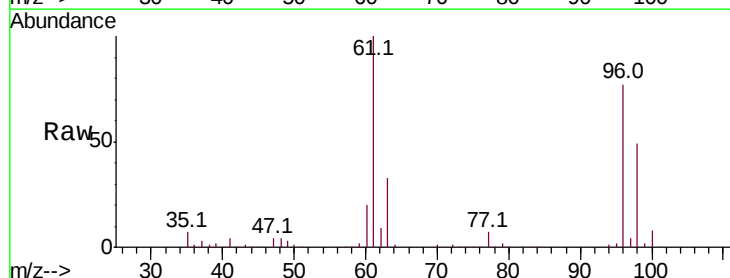
Acq: 19 Dec 2018 20:34

Tgt Ion: 77 Resp: 95086

Ion Ratio Lower Upper

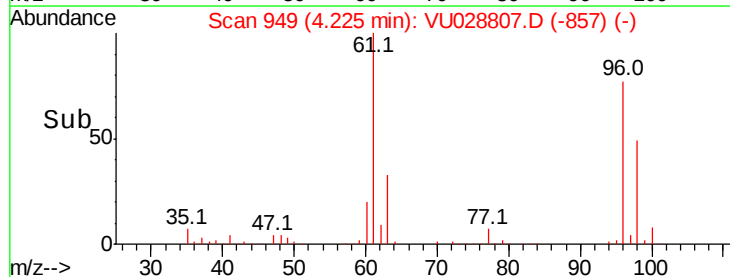
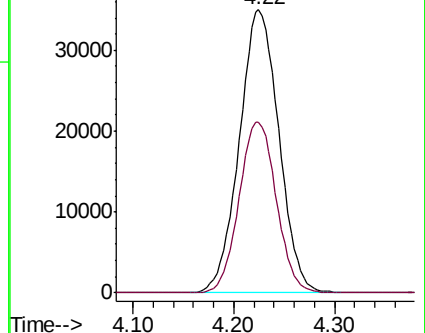
77 100

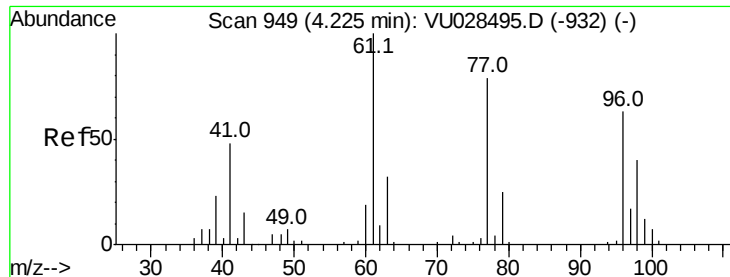
97 56.9 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



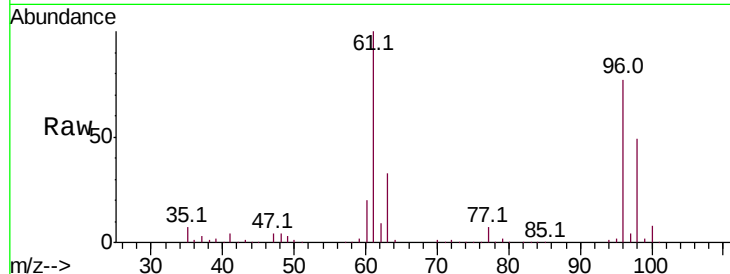


#27

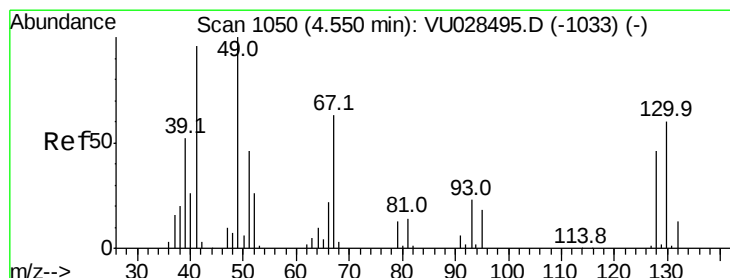
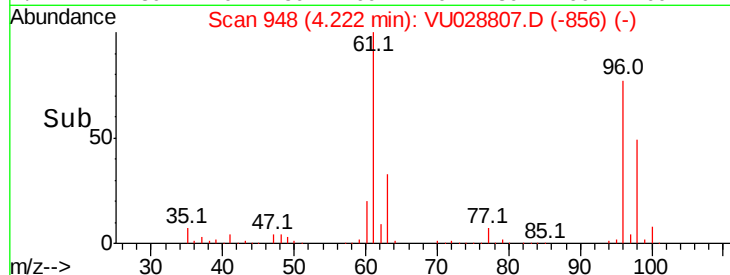
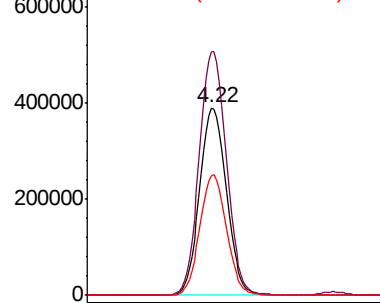
cis-1,2-Dichloroethene
 Concen: 620.033 ug/l
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

Tot Ion	96	Resp	938596
Ion Ratio	Lower	Upper	
96	100		
61	131.5	0.0	332.4
98	63.9	0.0	129.0



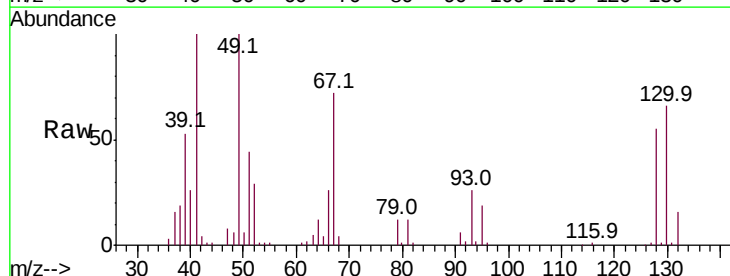
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



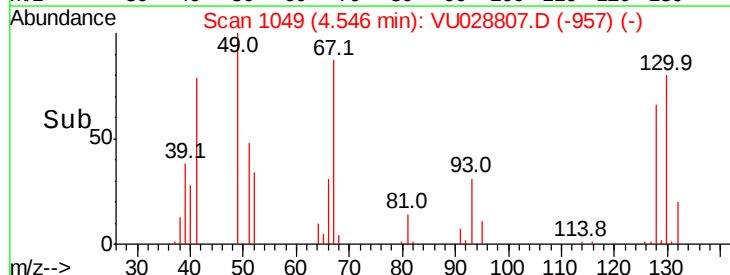
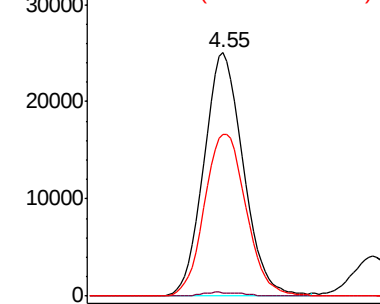
#28

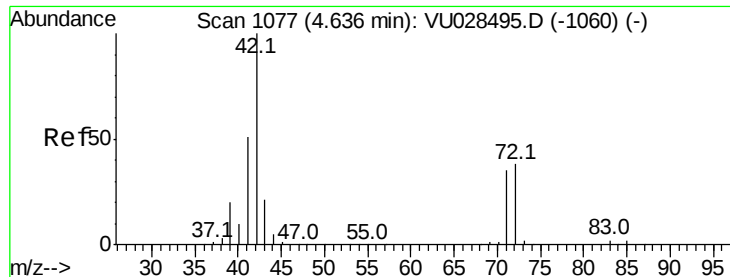
Bromochloromethane
 Concen: 44.226 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion	49	Resp	57512
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	3.0
130	70.2	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: 223.285 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

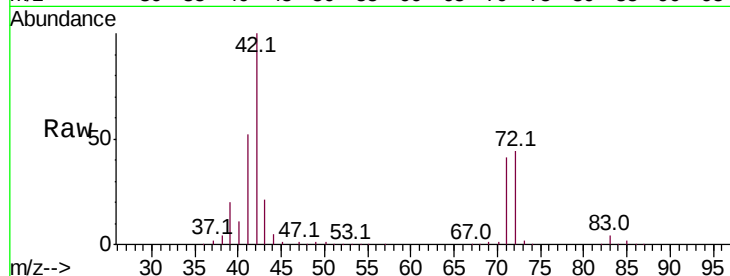
Tot Ion: 42 Resp: 208212

Ion Ratio Lower Upper

42 100

72 44.7 31.4 47.0

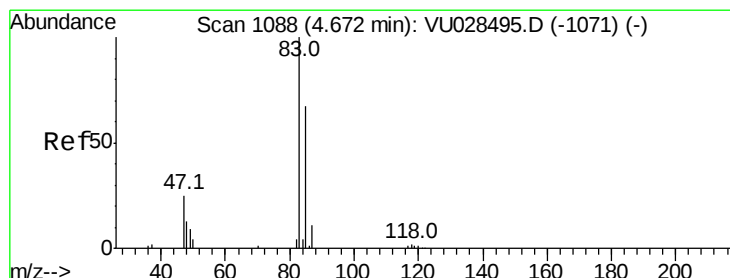
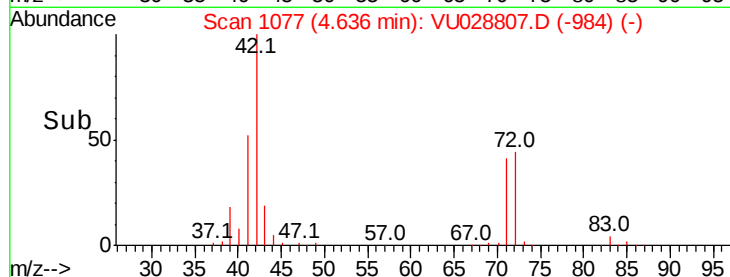
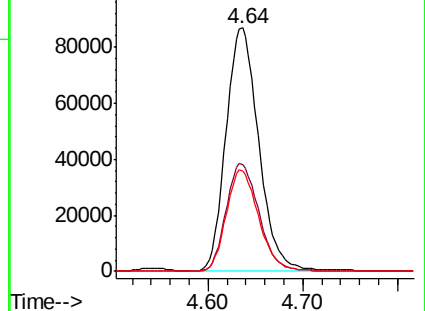
71 41.4 28.6 43.0



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: 49.245 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028807.D

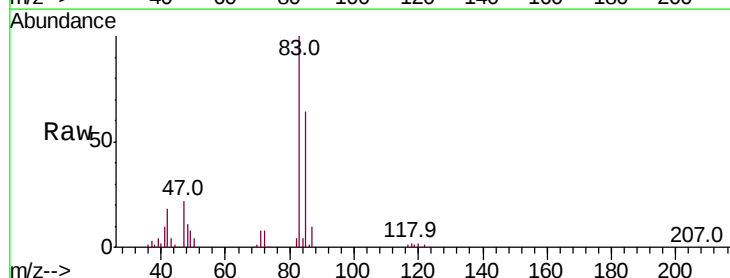
Acq: 19 Dec 2018 20:34

Tgt Ion: 83 Resp: 122775

Ion Ratio Lower Upper

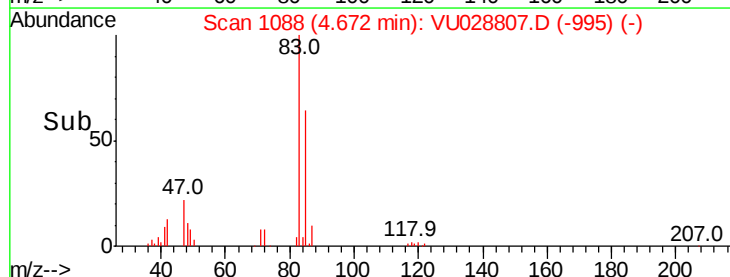
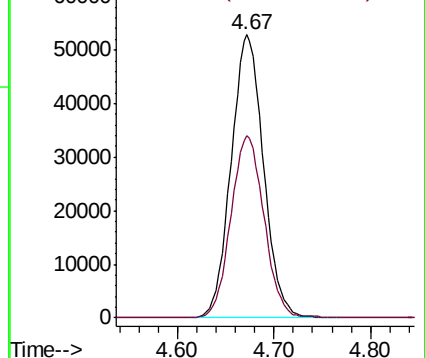
83 100

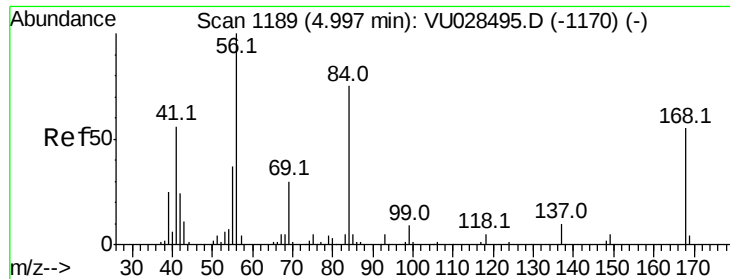
85 64.4 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

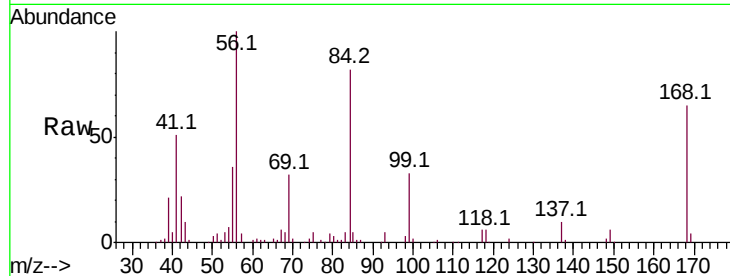




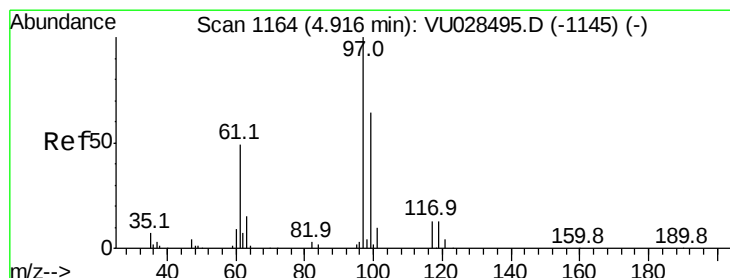
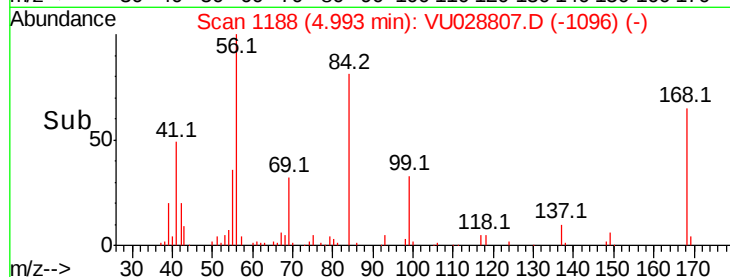
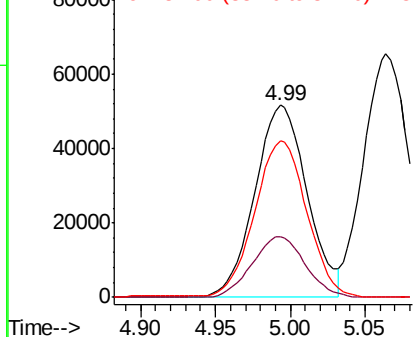
#31
Cyclohexane
Concen: 44.816 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion: 56 Resp: 125448
Ion Ratio Lower Upper
56 100
69 31.9 24.0 36.0
84 81.2 59.7 89.5

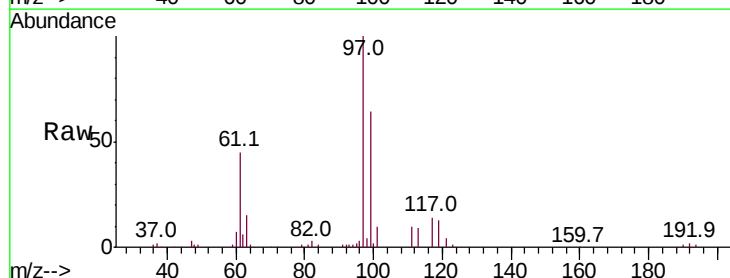


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

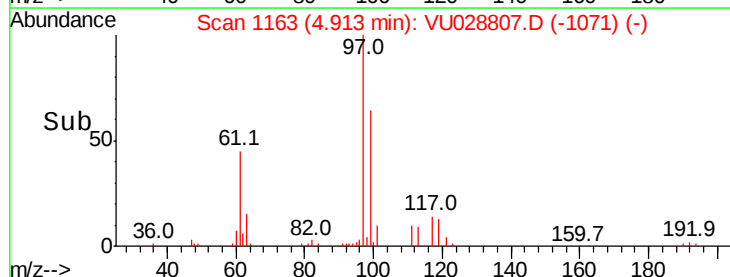
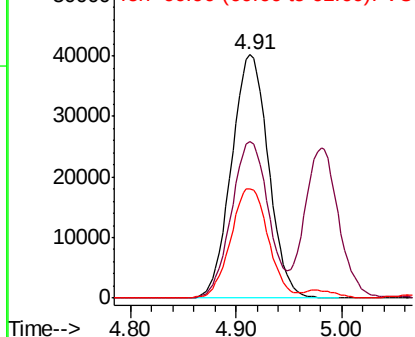


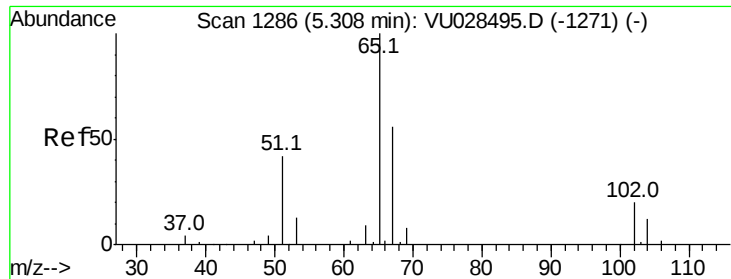
#32
1,1,1-Trichloroethane
Concen: 47.236 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion: 97 Resp: 97809
Ion Ratio Lower Upper
97 100
99 64.5 52.3 78.5
61 45.8 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

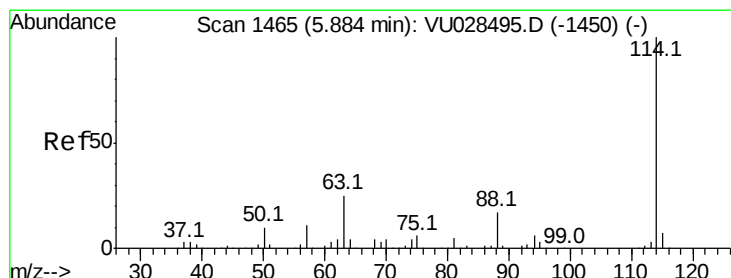
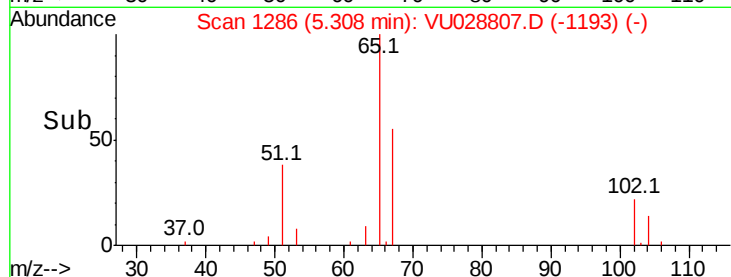
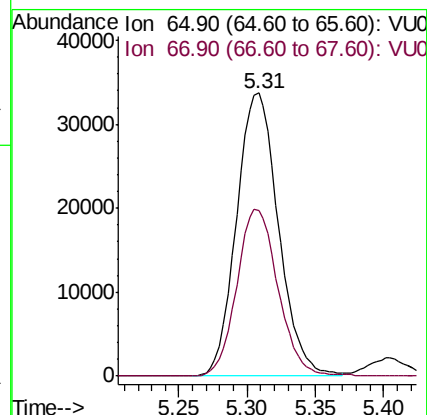
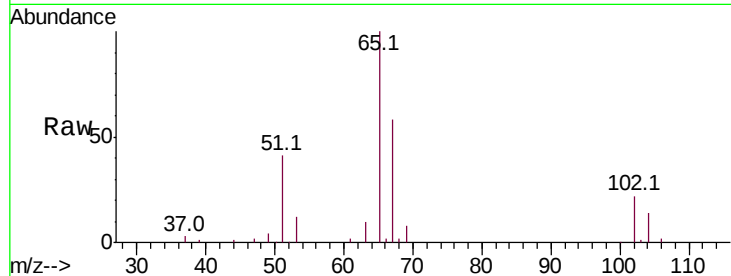




#33
 1,2-Dichloroethane-d4
 Concen: 44.254 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

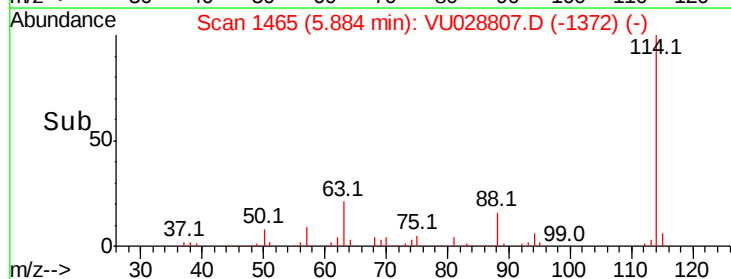
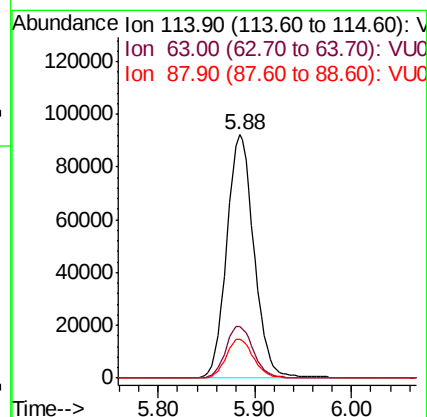
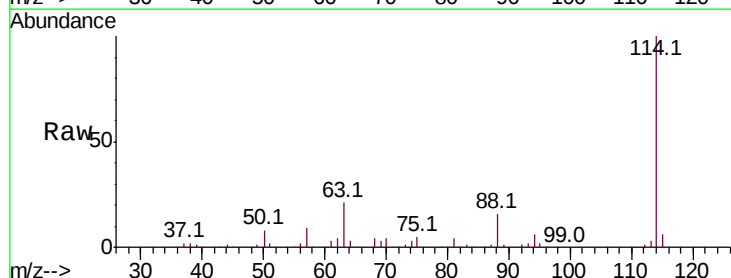
Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

Tot Ion: 65 Resp: 72053
 Ion Ratio Lower Upper
 65 100
 67 57.9 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion: 114 Resp: 181283
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 49.2
 88 16.1 0.0 33.4

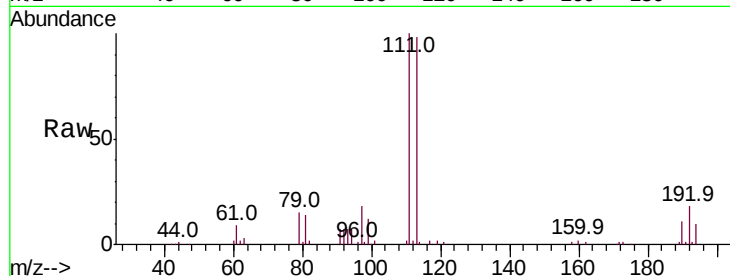




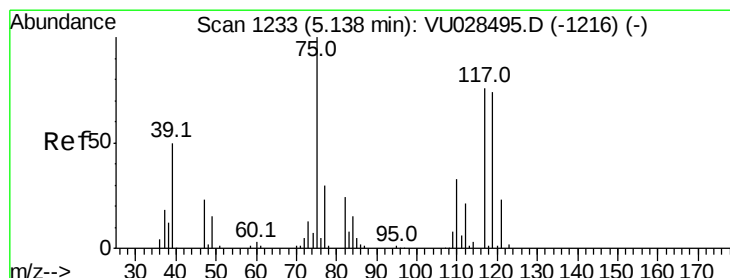
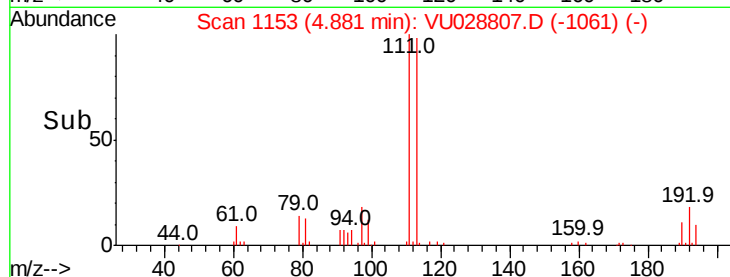
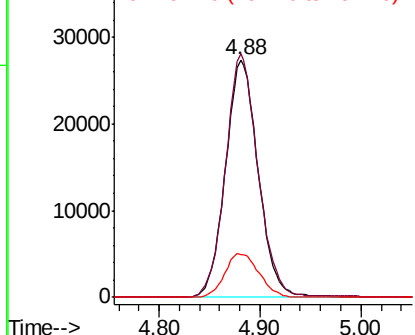
#35
 Dibromofluoromethane
 Concen: 54.173 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

Tot Ion:113 Resp: 61802
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.4 125.0
 192 19.2 14.8 22.2

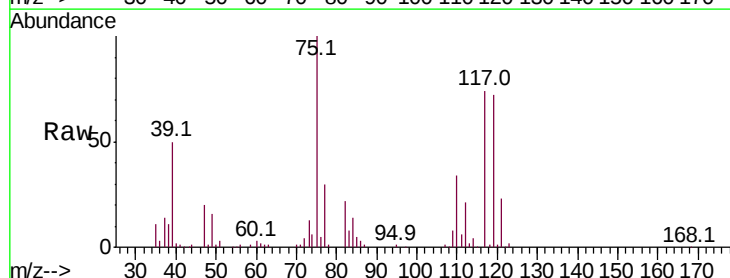


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

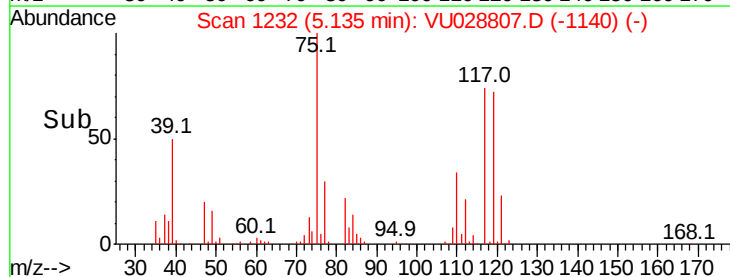
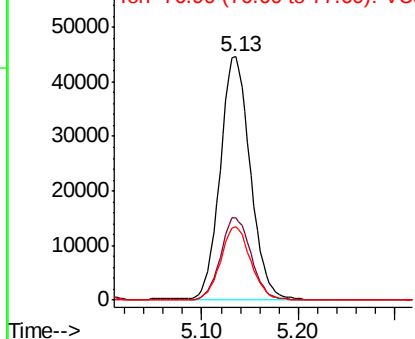


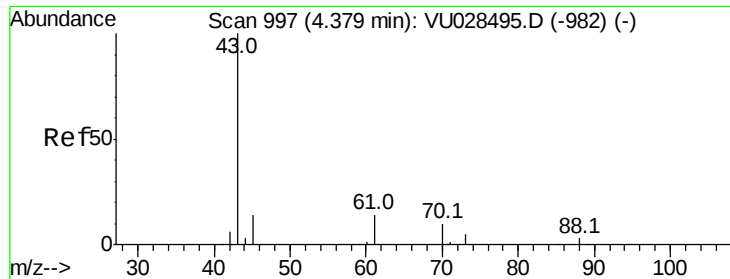
#36
 1,1-Dichloropropene
 Concen: 48.856 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion: 75 Resp: 96918
 Ion Ratio Lower Upper
 75 100
 110 34.4 16.1 48.2
 77 30.1 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: 43.450 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

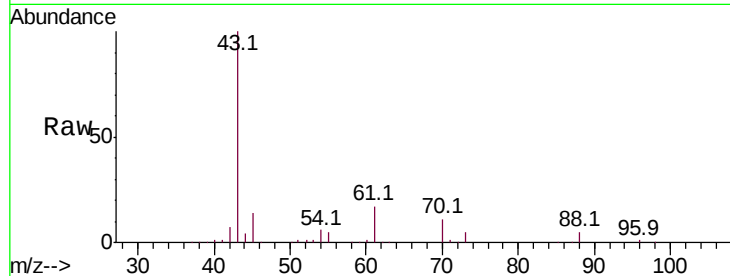
Tot Ion: 43 Resp: 111424

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

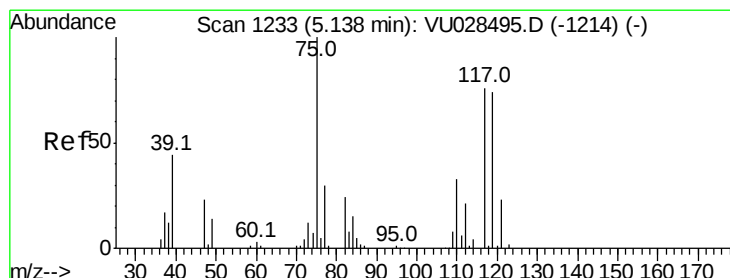
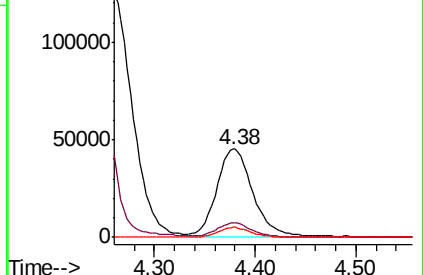
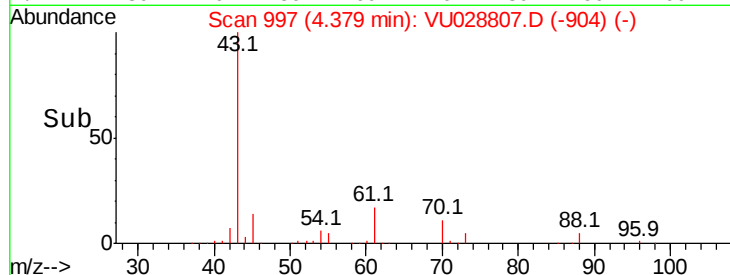
70 10.6 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU028807.D (-904) (-)

Ion 60.90 (60.60 to 61.60): VU028807.D (-904) (-)

Ion 70.00 (69.70 to 70.70): VU028807.D (-904) (-)



#38

Carbon Tetrachloride

Concen: 48.870 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

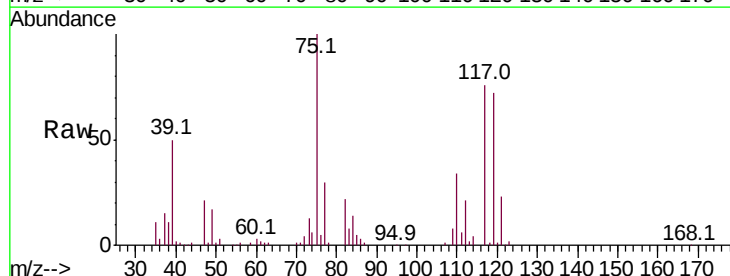
Tgt Ion: 117 Resp: 78138

Ion Ratio Lower Upper

117 100

119 95.6 77.6 116.4

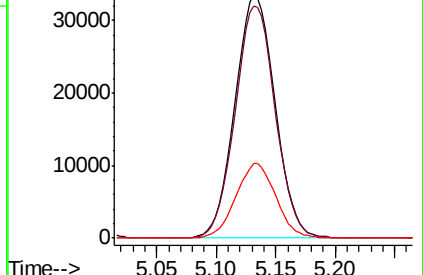
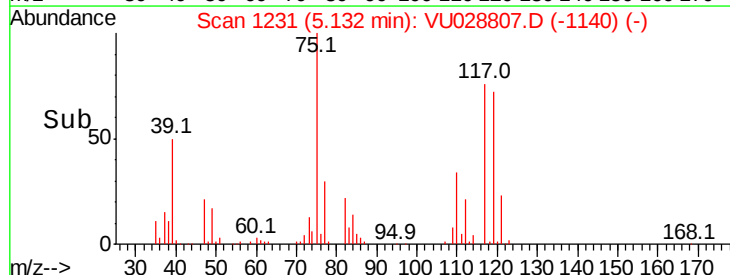
121 30.7 24.6 36.8

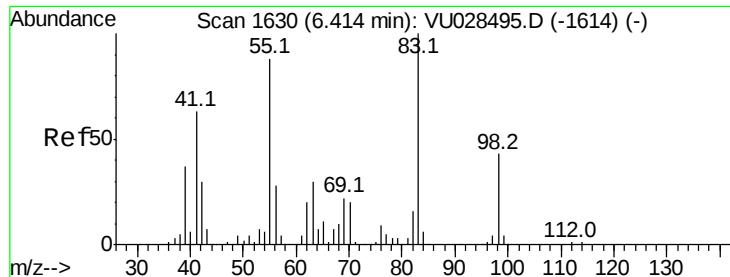


Abundance Ion 116.80 (116.50 to 117.50): VU028807.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU028807.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU028807.D (-1140) (-)

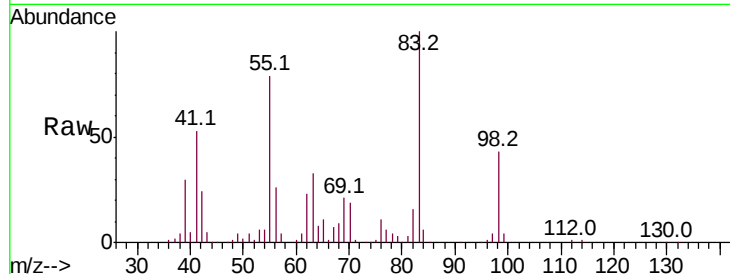




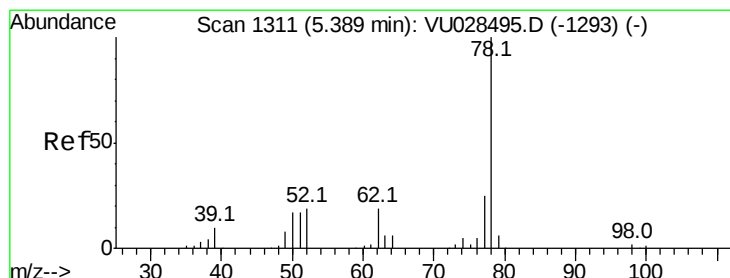
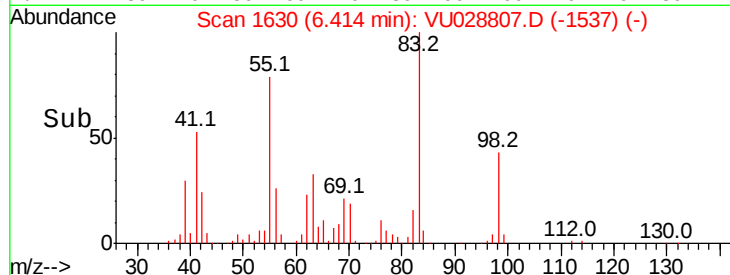
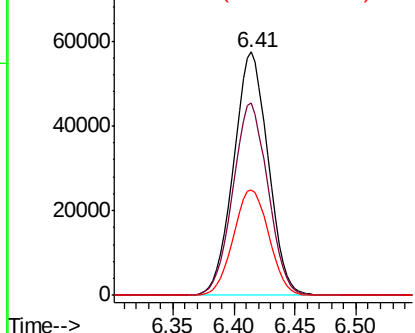
#39
Methvlcvclohexane
Concen: 46.530 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion: 83 Resp: 112609
Ion Ratio Lower Upper
83 100
55 78.9 70.2 105.2
98 43.5 34.2 51.4

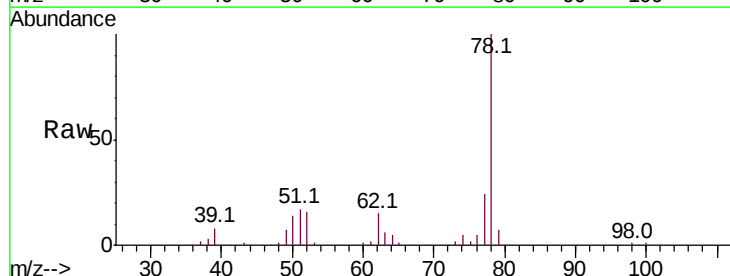


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

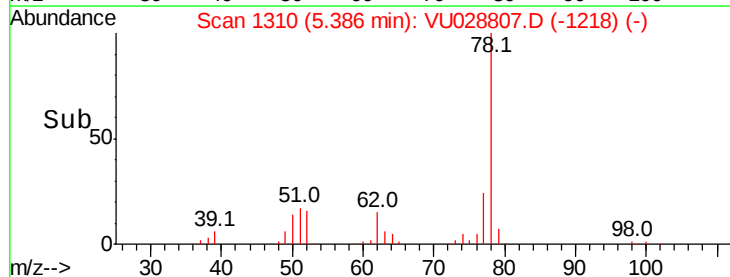
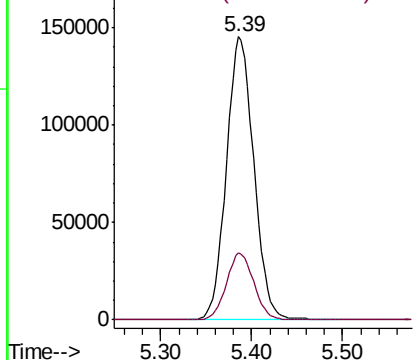


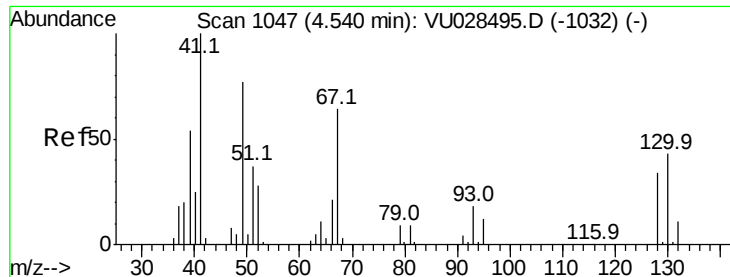
#40
Benzene
Concen: 52.063 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion: 78 Resp: 304186
Ion Ratio Lower Upper
78 100
77 23.7 19.9 29.9



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





#41

Methacrylonitrile

Concen: 45.823 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

Tot Ion: 41 Resp: 64353

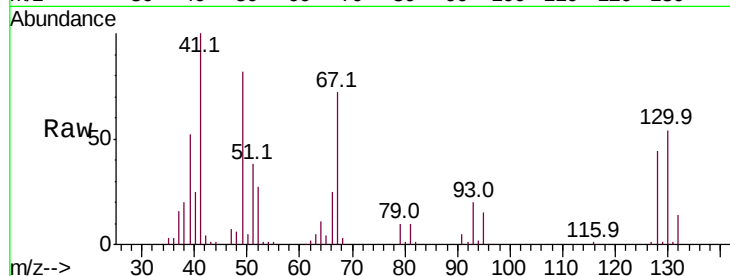
Ion Ratio Lower Upper

41 100

39 52.1 43.3 64.9

67 74.6 53.6 80.4

52 29.0 22.1 33.1

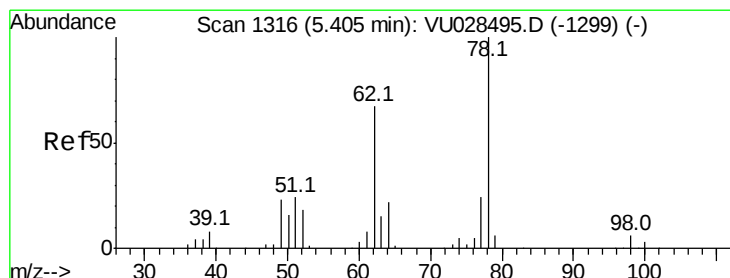
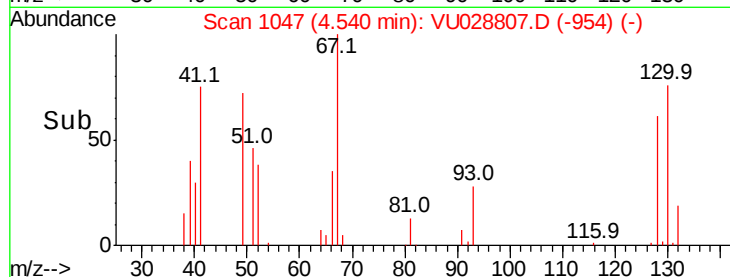
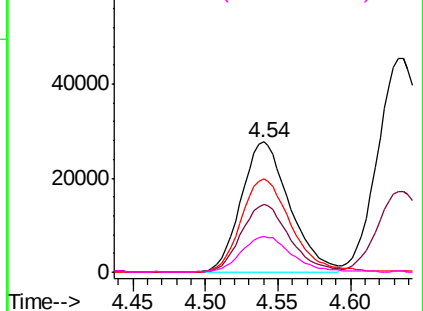


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 46.947 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU028807.D

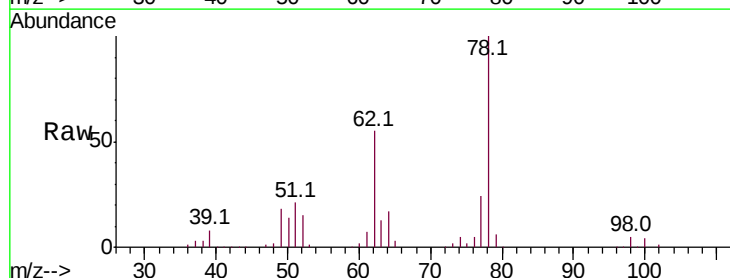
Acq: 19 Dec 2018 20:34

Tgt Ion: 62 Resp: 96012

Ion Ratio Lower Upper

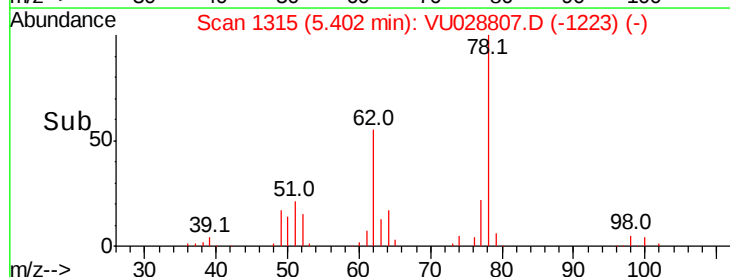
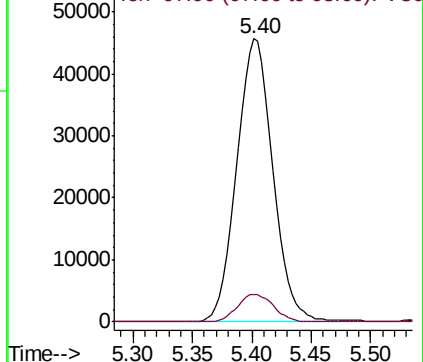
62 100

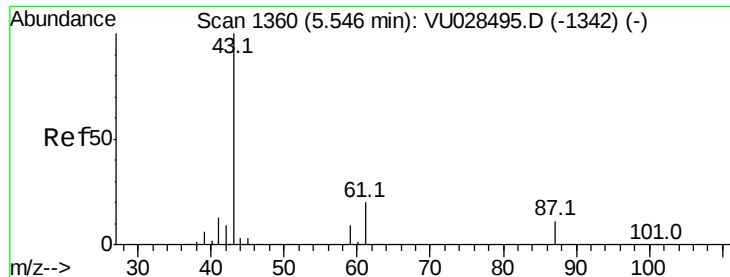
98 9.8 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 43.643 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

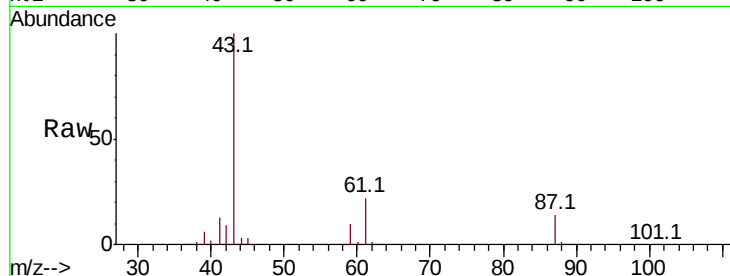
Tot Ion: 43 Resp: 177021

Ion Ratio Lower Upper

43 100

61 21.2 15.5 23.3

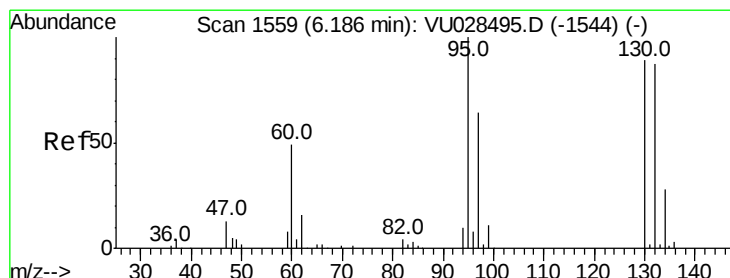
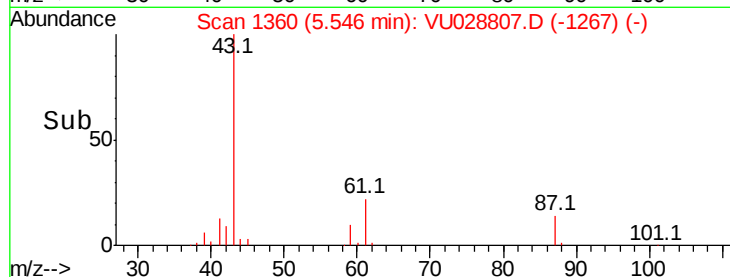
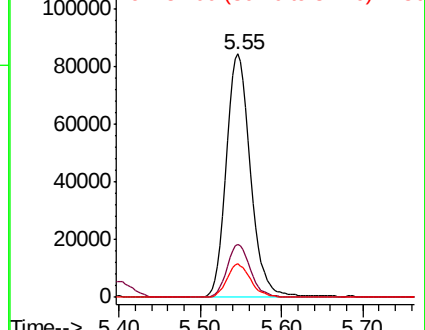
87 13.4 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 1138.469 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028807.D

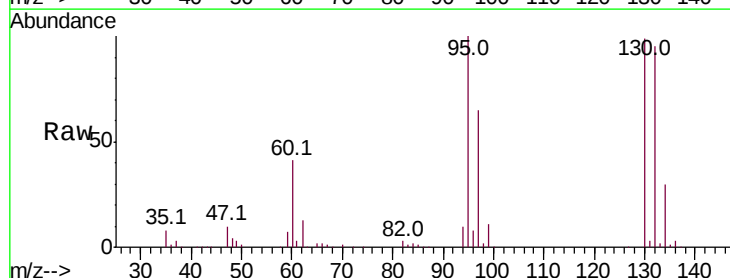
Acq: 19 Dec 2018 20:34

Tgt Ion:130 Resp: 1478976

Ion Ratio Lower Upper

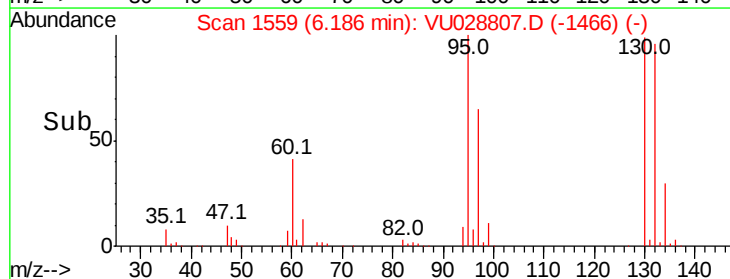
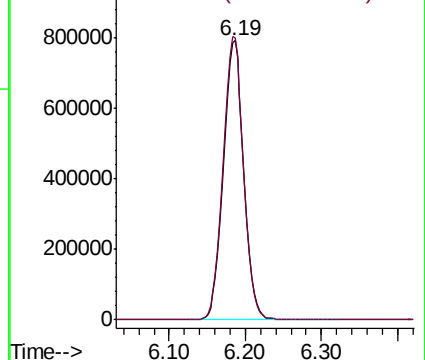
130 100

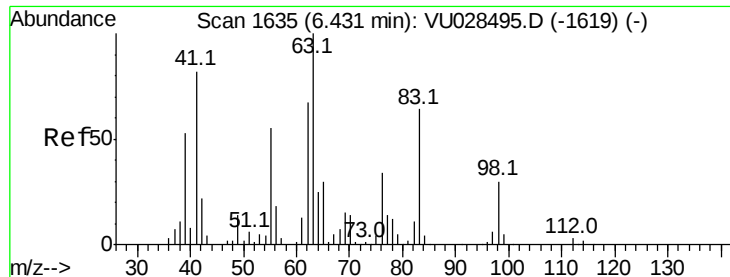
95 101.3 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 51.137 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

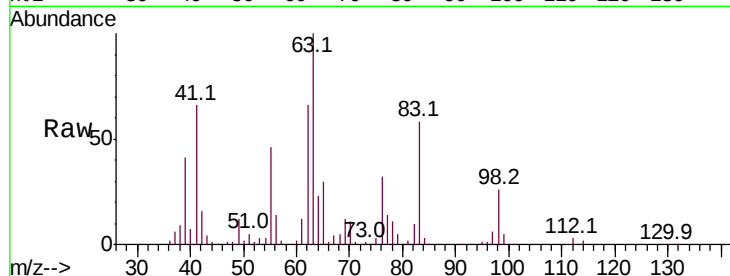
S49-0492MSD

Tot Ion: 63 Resp: 84017

Ion Ratio Lower Upper

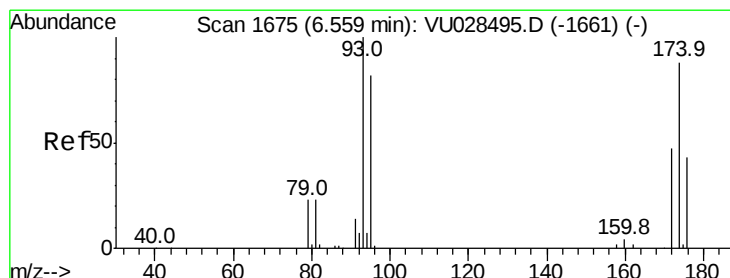
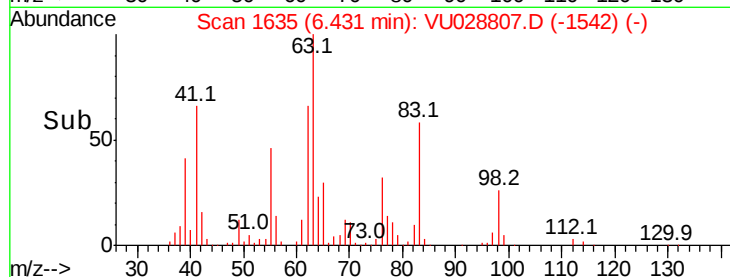
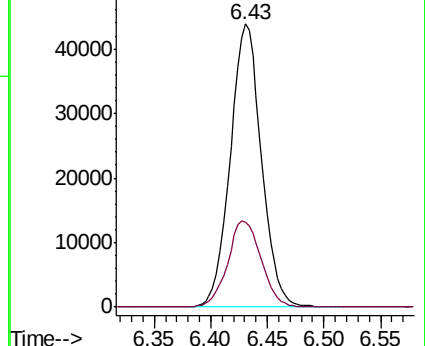
63 100

65 30.0 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 51.889 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

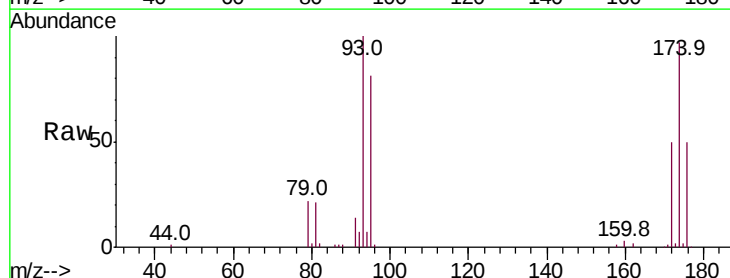
Tgt Ion: 93 Resp: 50583

Ion Ratio Lower Upper

93 100

95 83.6 65.4 98.2

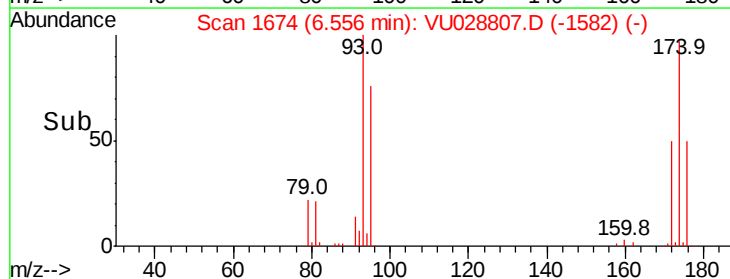
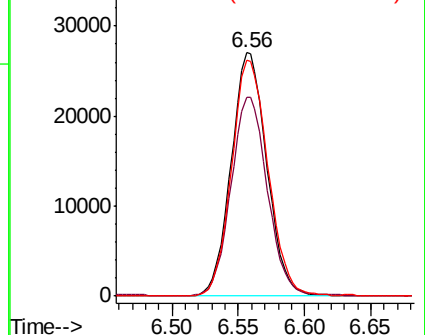
174 98.8 72.2 108.4

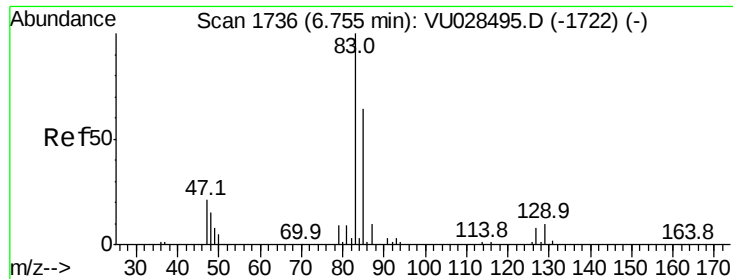


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

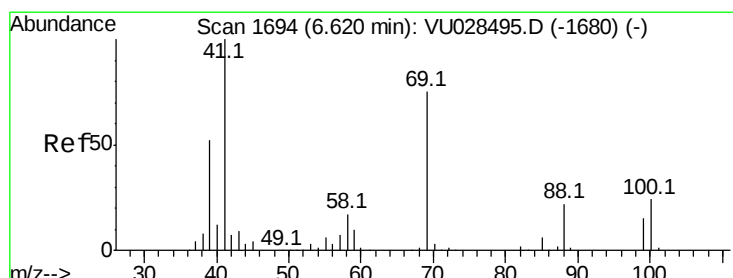
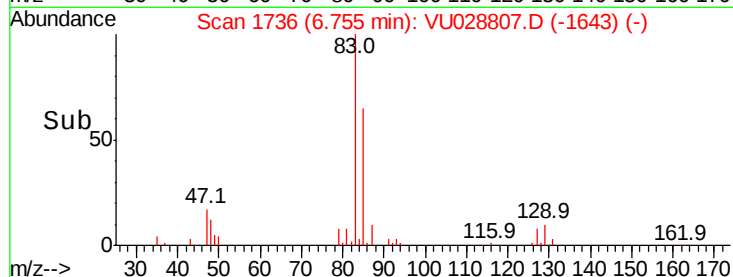
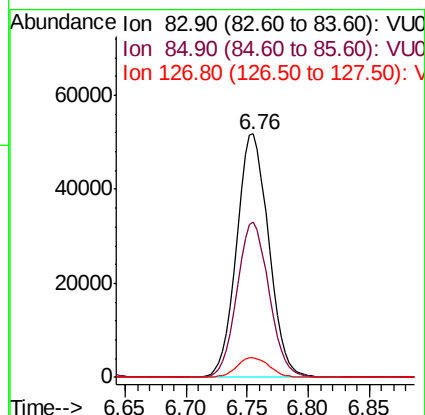
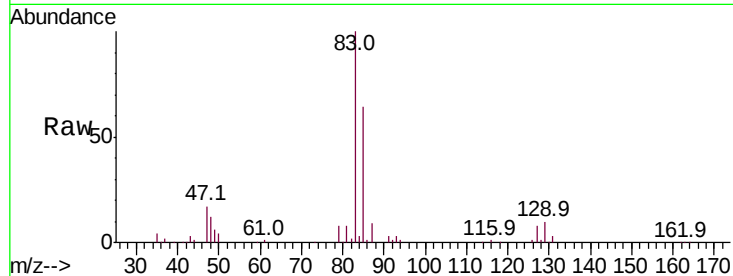




#47
 Bromodichloromethane
 Concen: 49.806 ug/l
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

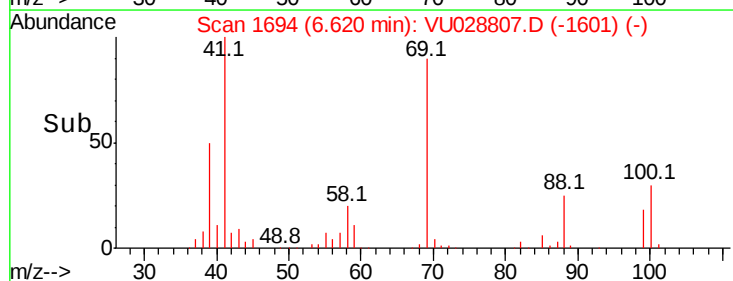
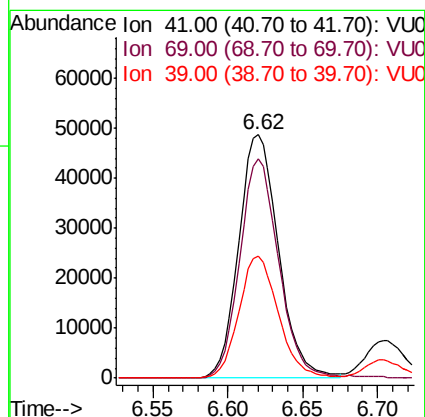
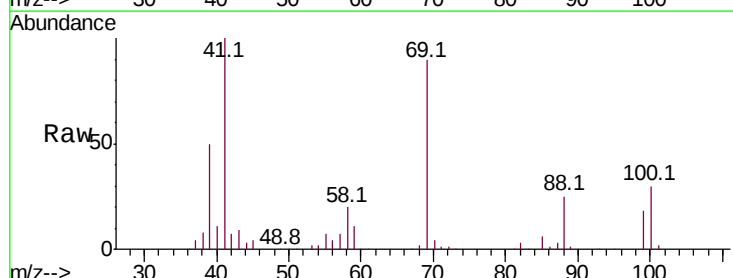
Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

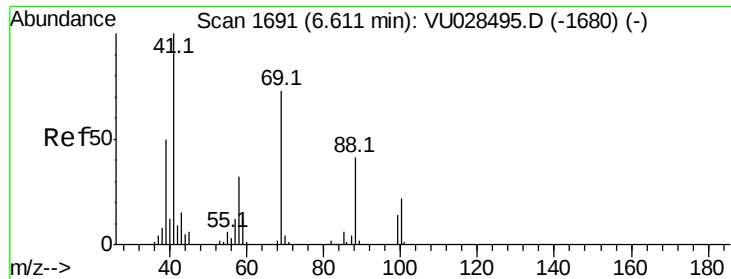
Tot Ion: 83 Resp: 94481
 Ion Ratio Lower Upper
 83 100
 85 63.9 51.5 77.3
 127 8.0 6.2 9.4



#48
 Methyl methacrylate
 Concen: 44.830 ug/l
 RT: 6.62 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion: 41 Resp: 90427
 Ion Ratio Lower Upper
 41 100
 69 88.5 60.4 90.6
 39 49.5 41.1 61.7

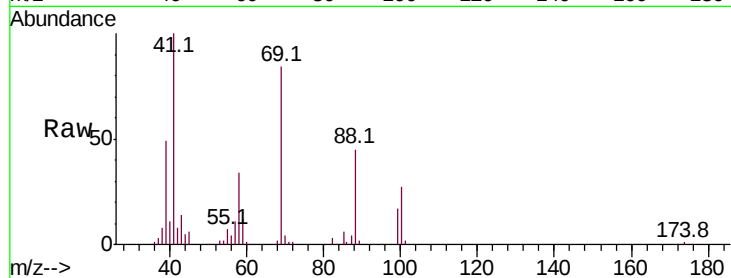




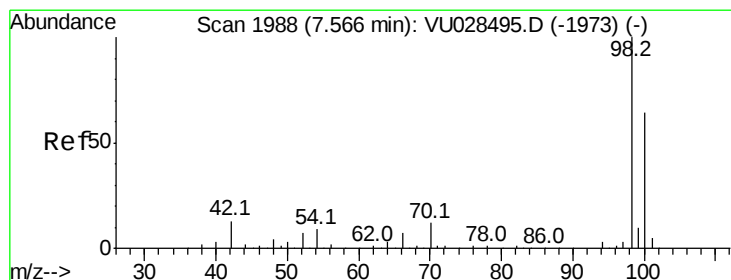
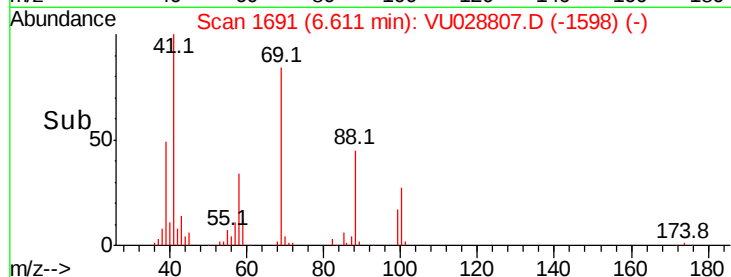
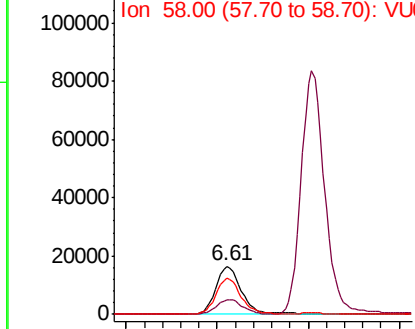
#49
1,4-Dioxane
Concen: 1022.616 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion: 88 Resp: 32570
Ion Ratio Lower Upper
88 100
43 31.5 30.9 46.3
58 73.5 62.4 93.6

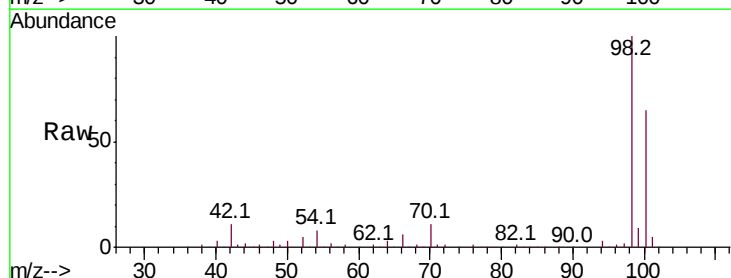


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

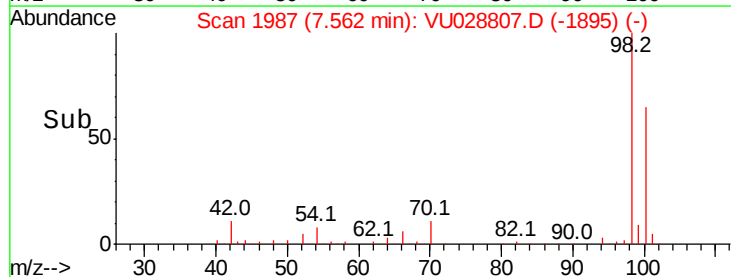
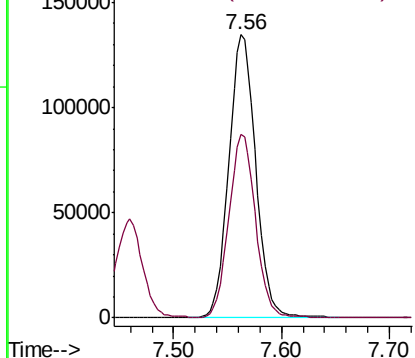


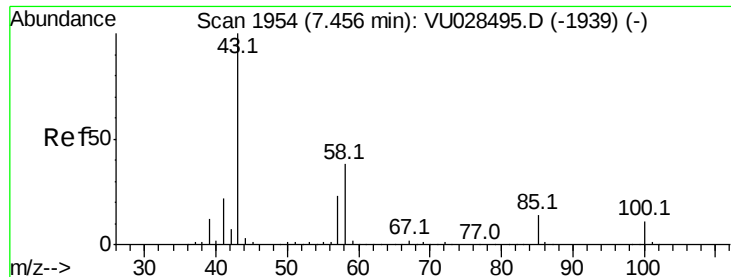
#50
Toluene-d8
Concen: 51.940 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion: 98 Resp: 234400
Ion Ratio Lower Upper
98 100
100 64.3 51.0 76.6



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





#51

4-Methyl-2-Pentanone

Concen: 227.880 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

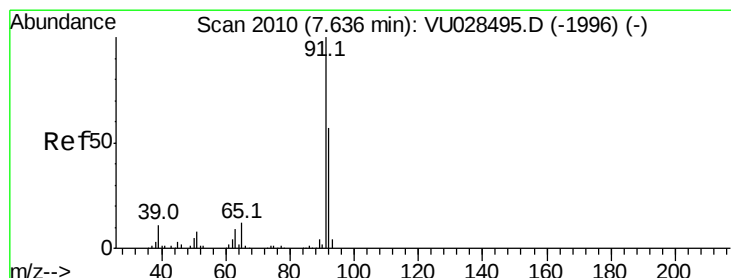
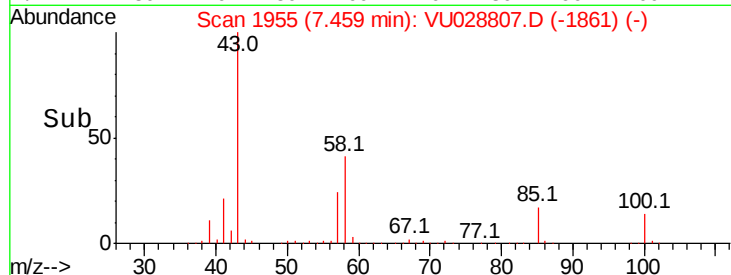
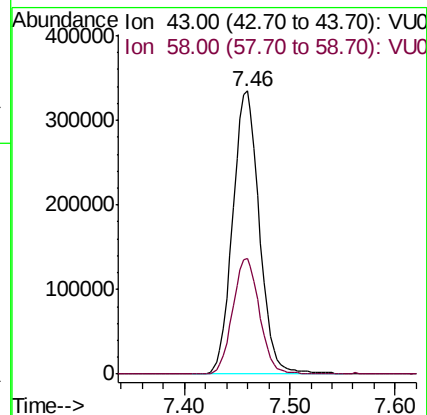
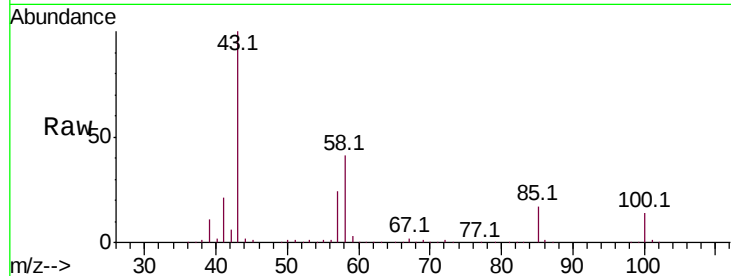
S49-0492MSD

Tot Ion: 43 Resp: 582972

Ion Ratio Lower Upper

43 100

58 41.3 30.2 45.2



#52

Toluene

Concen: 54.431 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028807.D

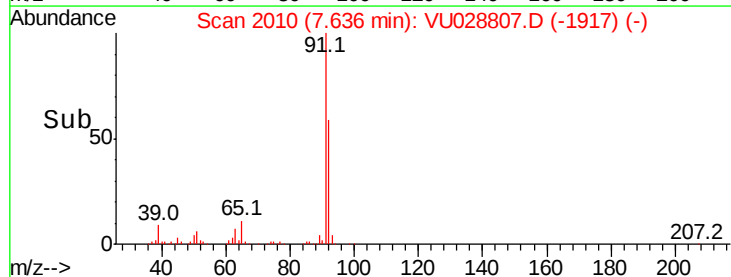
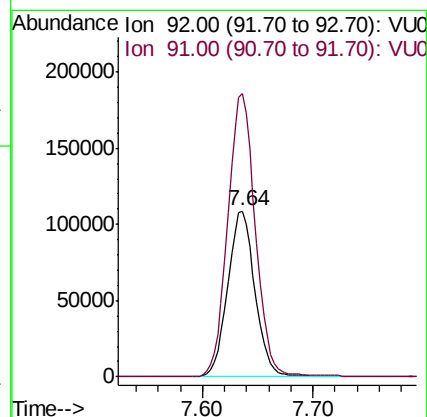
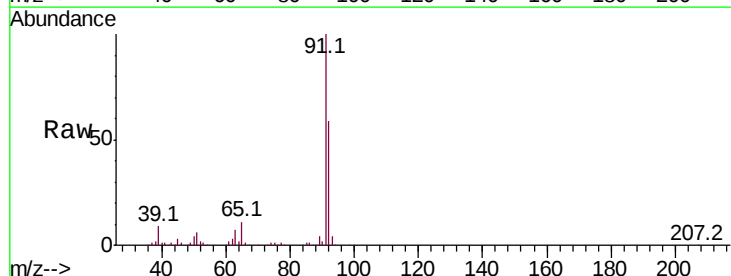
Acq: 19 Dec 2018 20:34

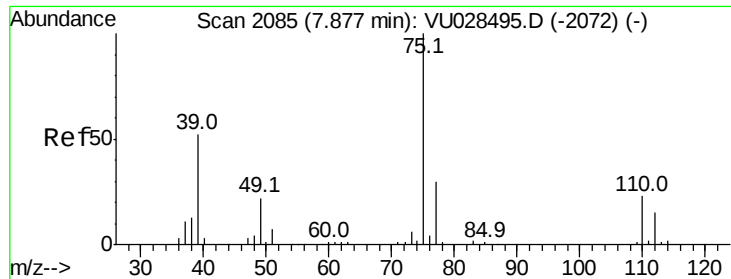
Tgt Ion: 92 Resp: 187161

Ion Ratio Lower Upper

92 100

91 172.3 140.2 210.4

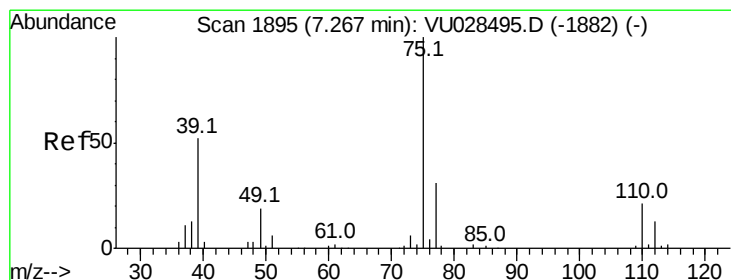
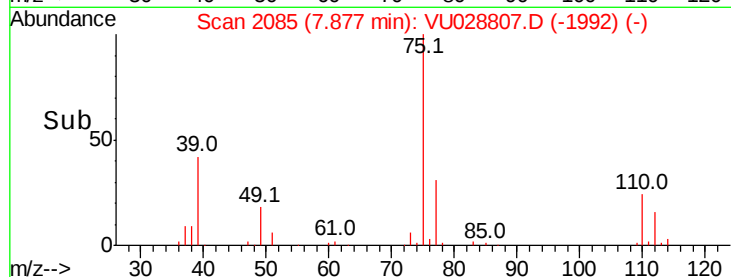
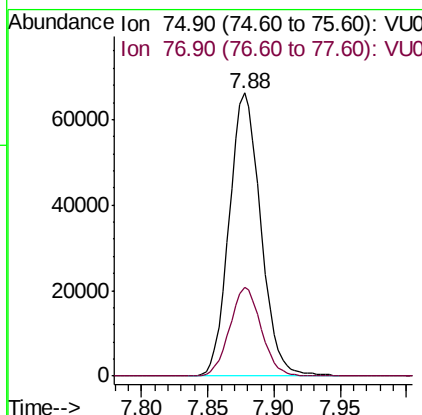
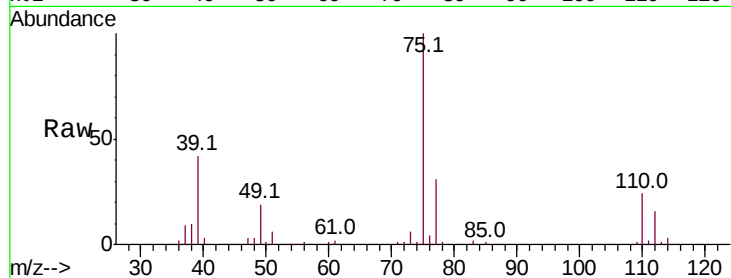




#53
 t-1,3-Dichloropropene
 Concen: 48.553 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

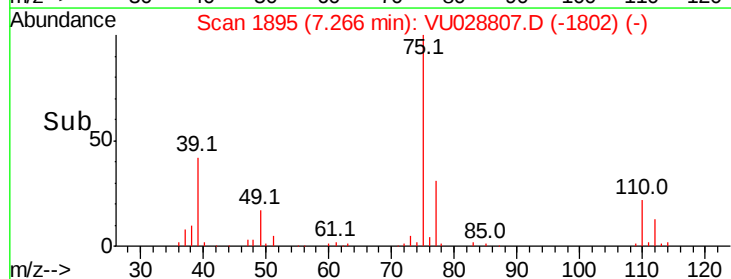
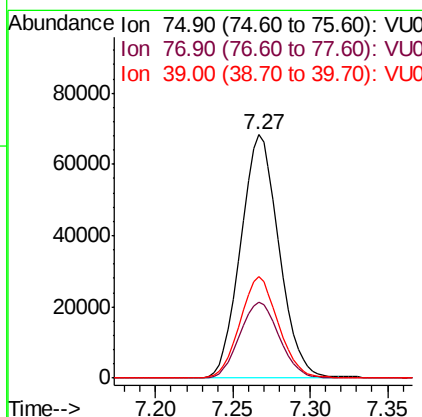
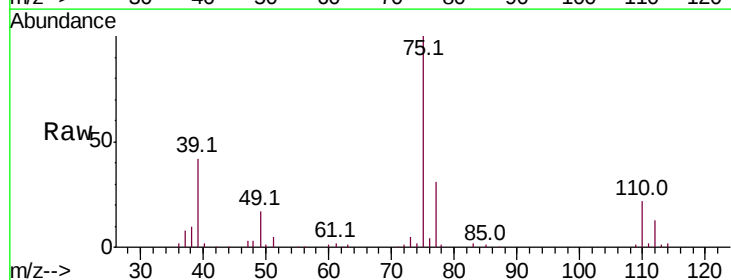
Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

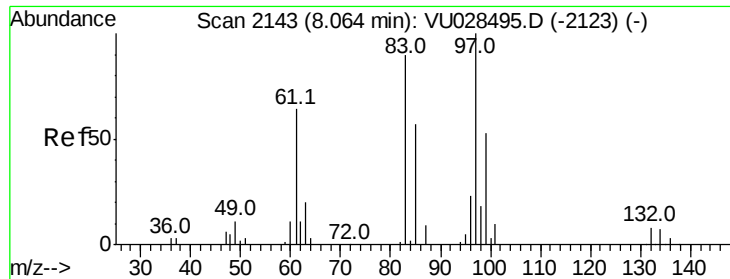
Tot Ion: 75 Resp: 109693
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 48.152 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion: 75 Resp: 118028
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.0 37.4
 39 41.6 41.3 61.9





#55

1,1,2-Trichloroethane

Concen: 53.859 ug/l

RT: 8.06 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

Tot Ion: 97 Resp: 73206

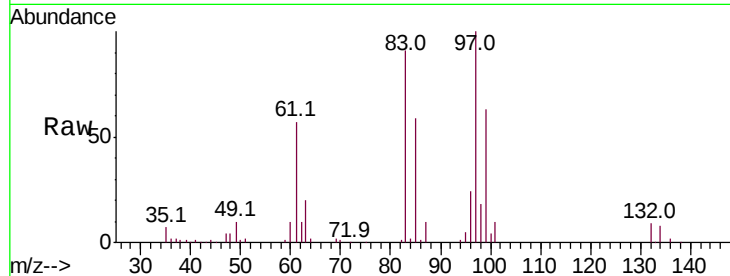
Ion Ratio Lower Upper

97 100

83 90.8 72.4 108.6

85 58.7 46.0 69.0

99 62.5 47.4 71.2

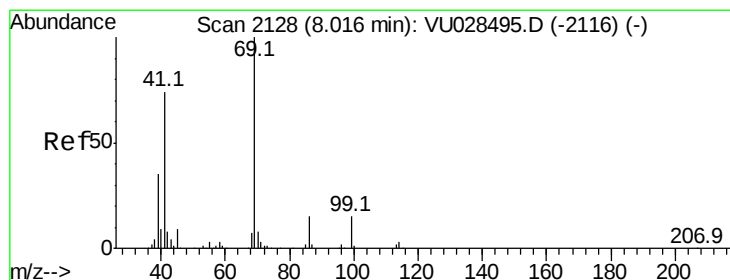
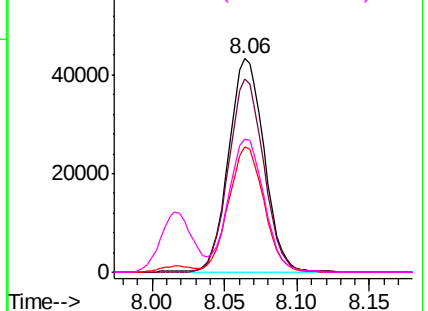
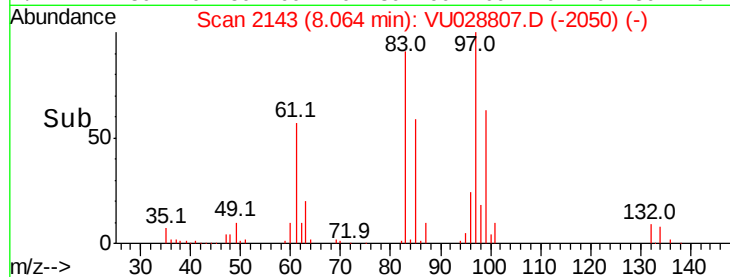


Abundance Ion 96.90 (96.60 to 97.60): VU028807.D (-2050) (-)

Ion 82.90 (82.60 to 83.60): VU028807.D (-2050) (-)

Ion 84.90 (84.60 to 85.60): VU028807.D (-2050) (-)

Ion 98.90 (98.60 to 99.60): VU028807.D (-2050) (-)



#56

Ethyl methacrylate

Concen: 50.354 ug/l

RT: 8.02 min Scan# 2128

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

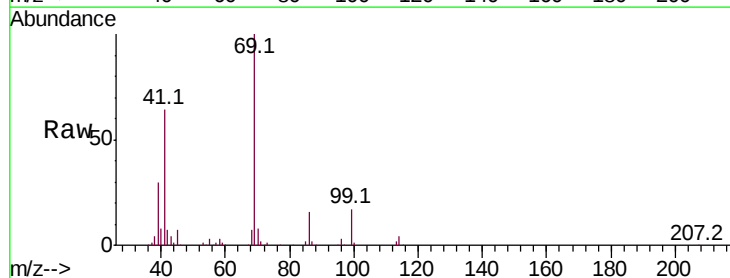
Tgt Ion: 69 Resp: 117202

Ion Ratio Lower Upper

69 100

41 63.6 59.1 88.7

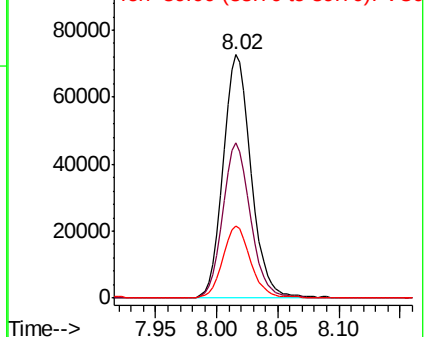
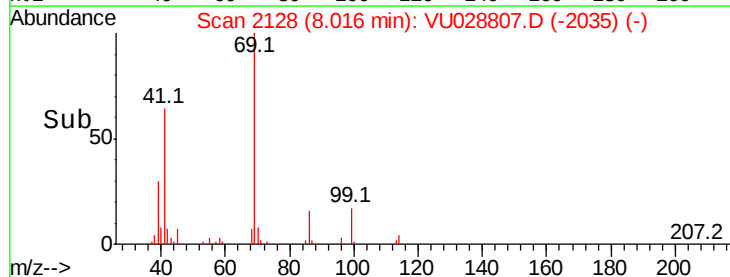
39 29.8 28.4 42.6

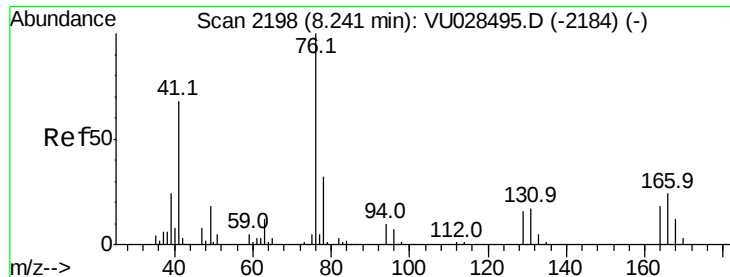


Abundance Ion 69.00 (68.70 to 69.70): VU028807.D (-2035) (-)

Ion 41.00 (40.70 to 41.70): VU028807.D (-2035) (-)

Ion 39.00 (38.70 to 39.70): VU028807.D (-2035) (-)





#57

1,3-Dichloropropane

Concen: 51.253 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

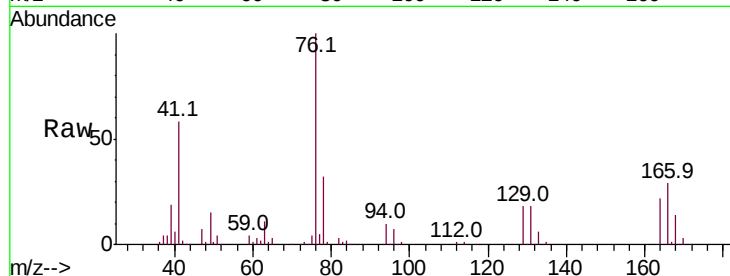
S49-0492MSD

Tot Ion: 76 Resp: 129317

Ion Ratio Lower Upper

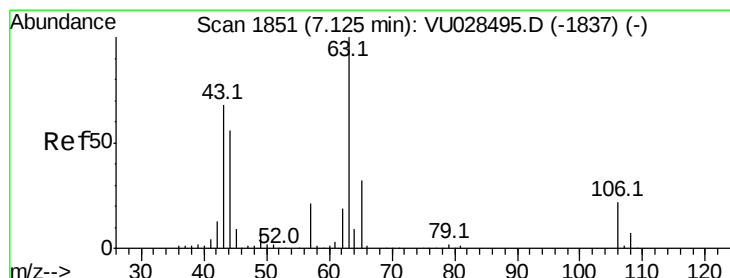
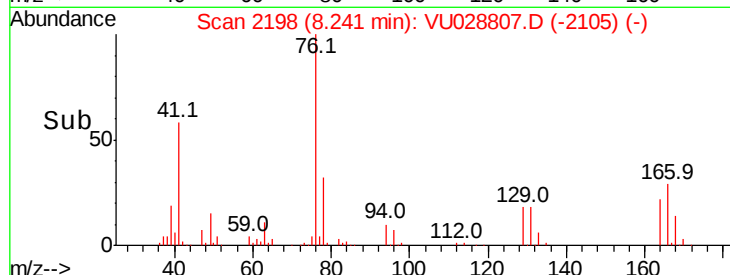
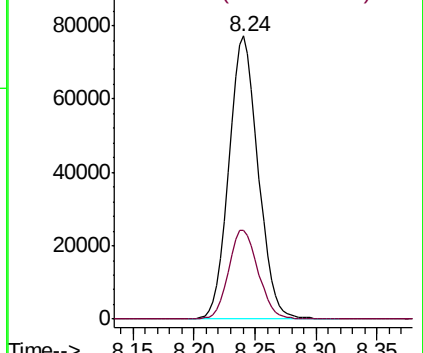
76 100

78 31.6 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: 0.534 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.14 min

Lab File: VU028807.D

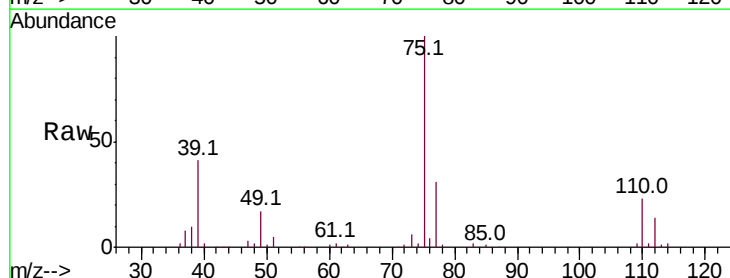
Acq: 19 Dec 2018 20:34

Tgt Ion: 63 Resp: 637

Ion Ratio Lower Upper

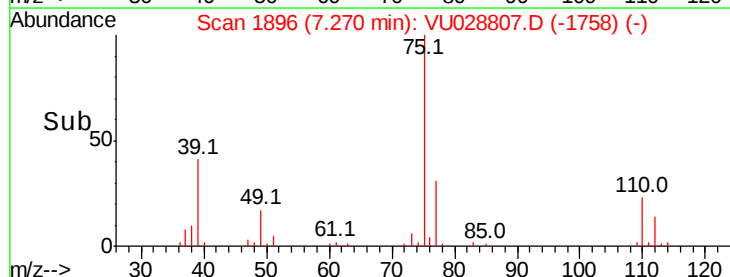
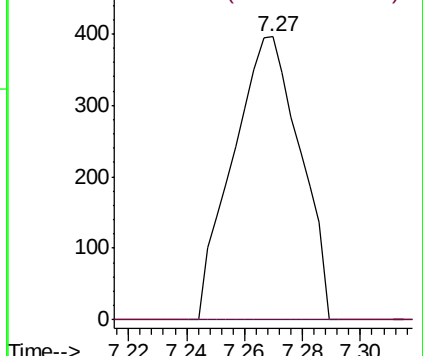
63 100

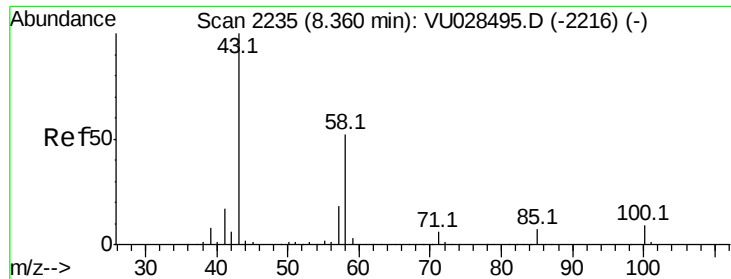
106 0.0 17.8 26.6#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

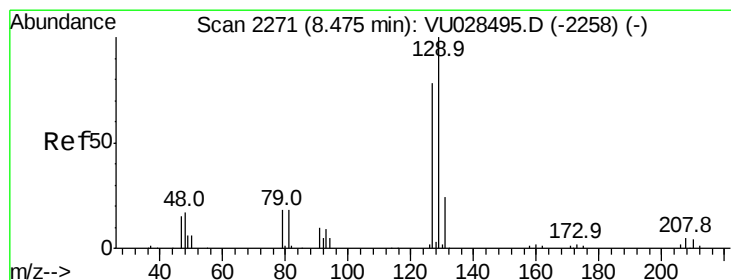
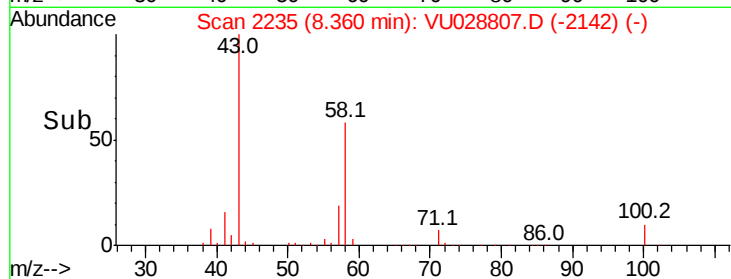
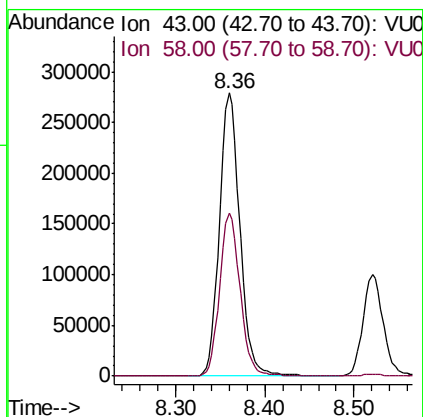
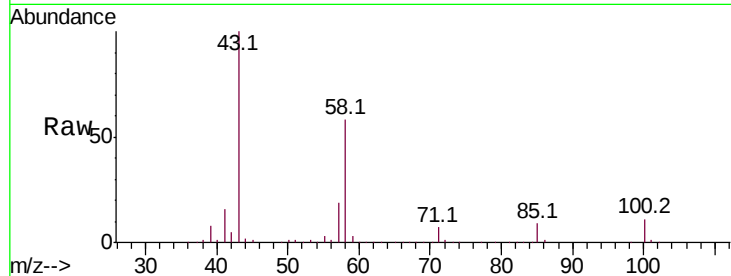




#59
2-Hexanone
Concen: 219.294 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

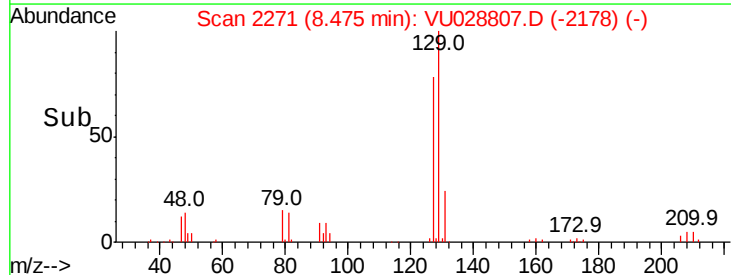
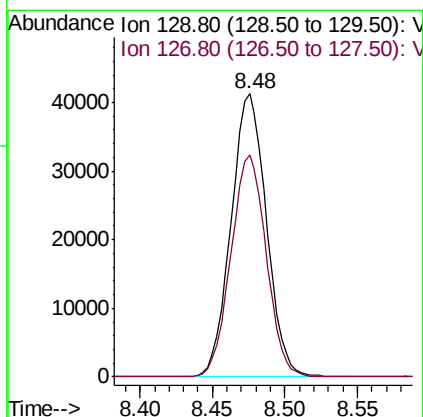
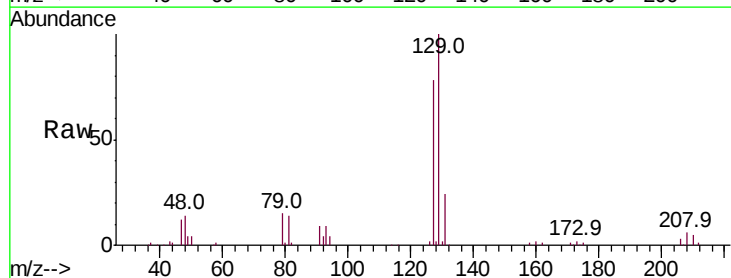
Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

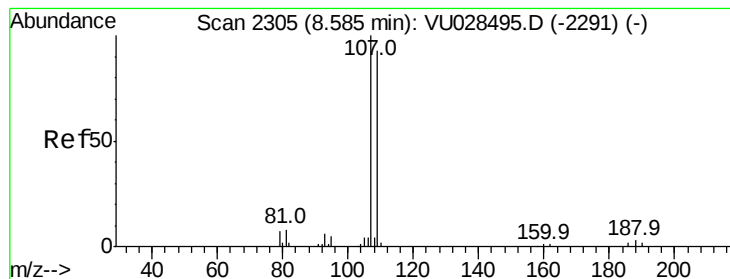
Tot Ion: 43 Resp: 444659
Ion Ratio Lower Upper
43 100
58 57.6 25.9 77.6



#60
Dibromochloromethane
Concen: 52.447 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion: 129 Resp: 69794
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3





#61

1,2-Dibromoethane

Concen: 55.205 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

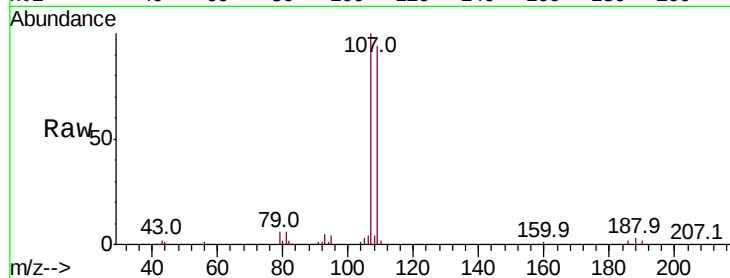
S49-0492MSD

Tot Ion:107 Resp: 78686

Ion Ratio Lower Upper

107 100

109 94.7 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

50000

40000

30000

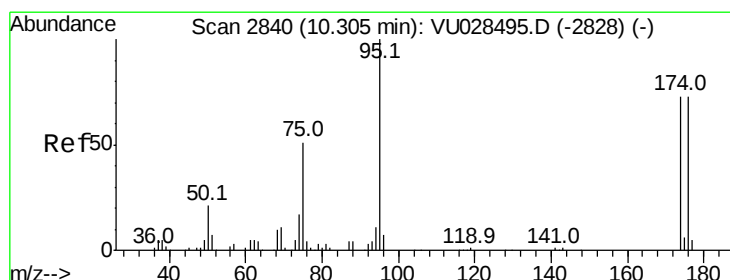
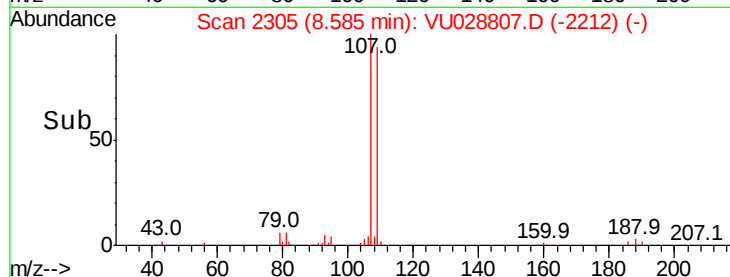
20000

10000

0

Time-->

8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 50.306 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

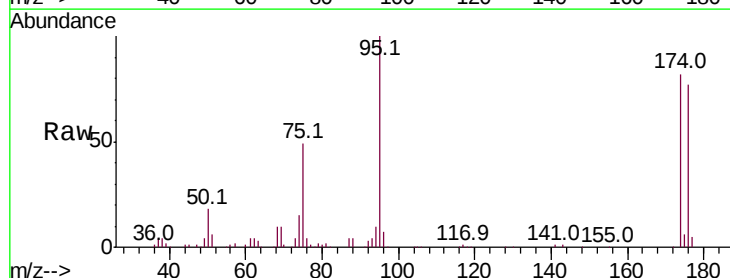
Tgt Ion: 95 Resp: 84855

Ion Ratio Lower Upper

95 100

174 82.1 0.0 150.4

176 78.6 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

10.30

60000

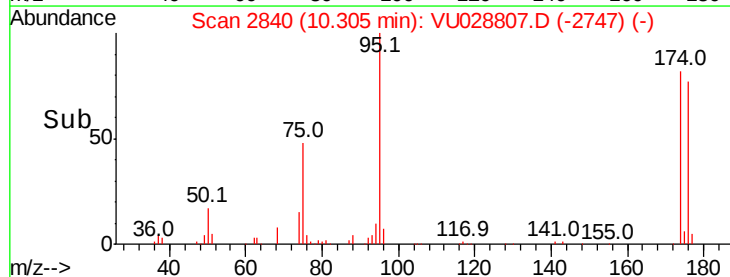
40000

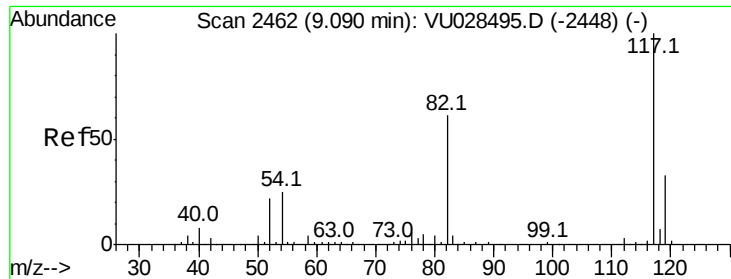
20000

0

Time-->

10.30 10.40

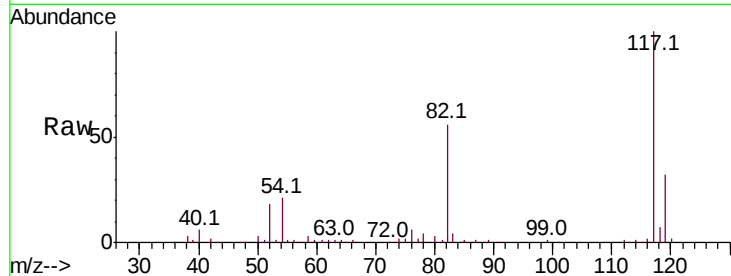




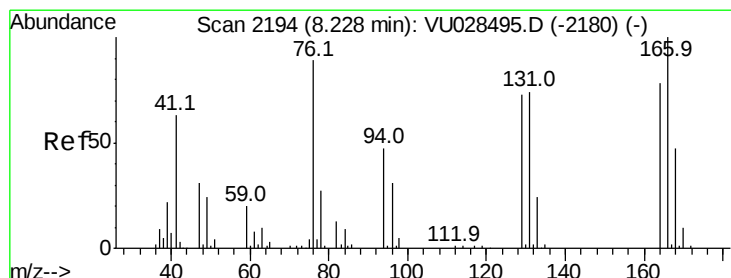
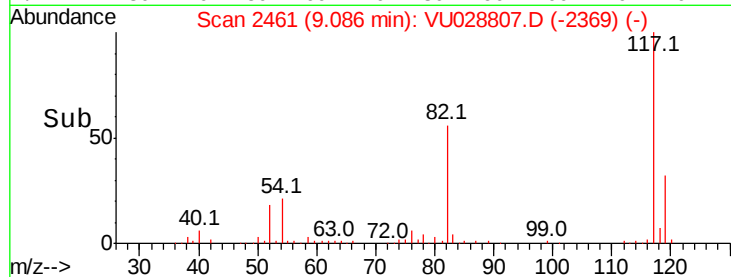
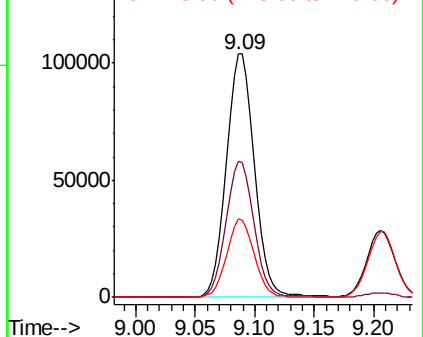
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion:117 Resp: 170551
Ion Ratio Lower Upper
117 100
82 56.0 48.9 73.3
119 32.3 26.2 39.4



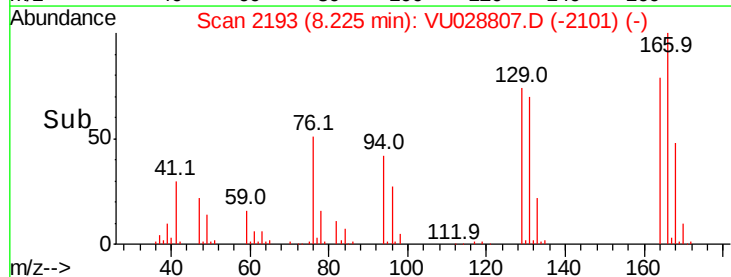
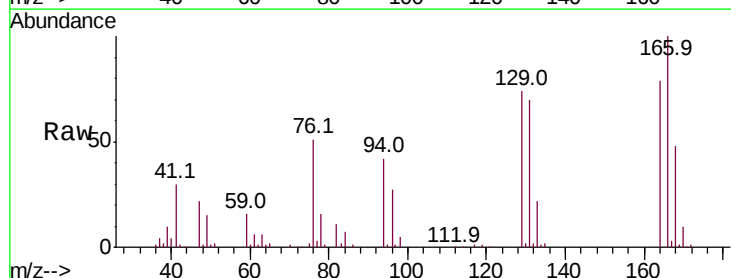
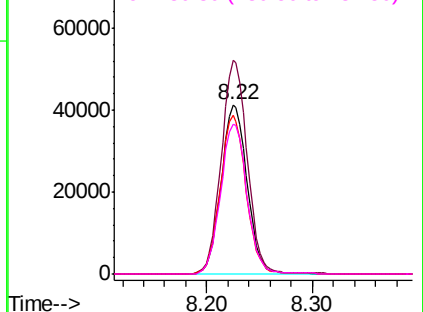
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

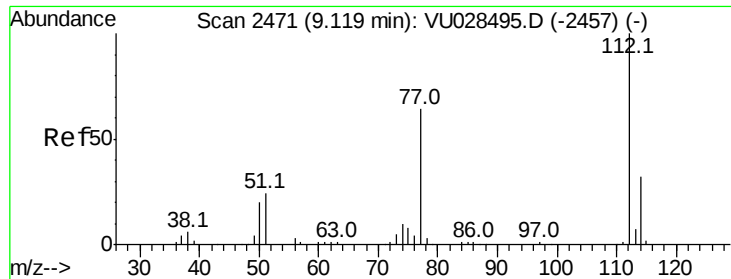


#64
Tetrachloroethene
Concen: 61.950 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion:164 Resp: 70475
Ion Ratio Lower Upper
164 100
166 126.1 101.9 152.9
129 93.9 74.9 112.3
131 88.6 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

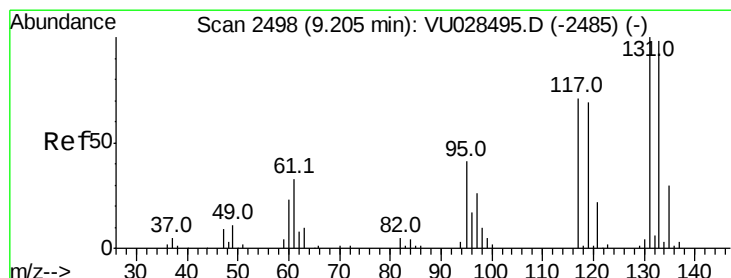
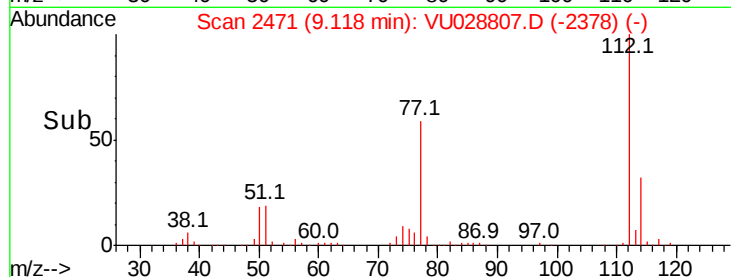
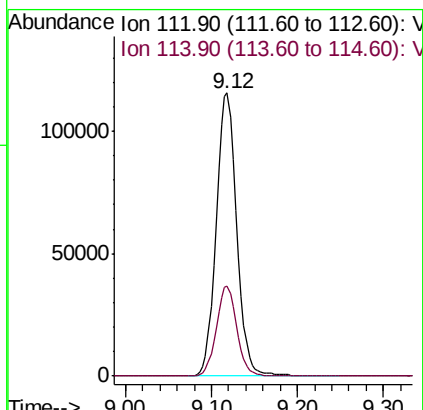
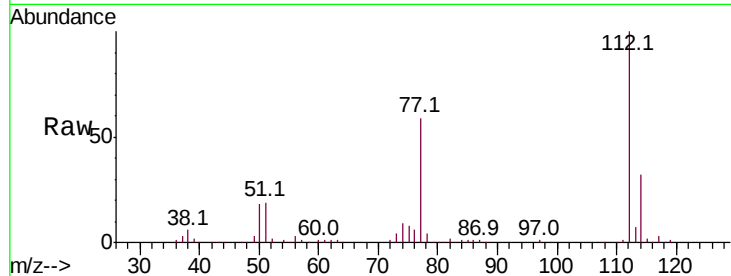




#65
Chlorobenzene
Concen: 52.912 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

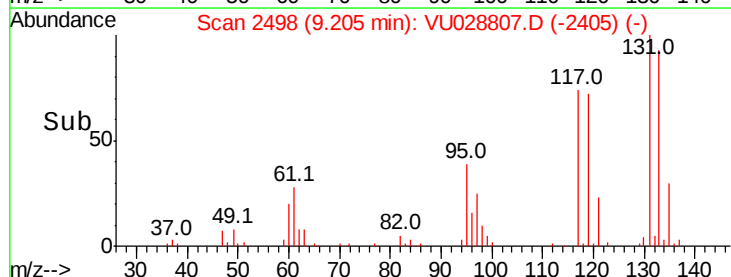
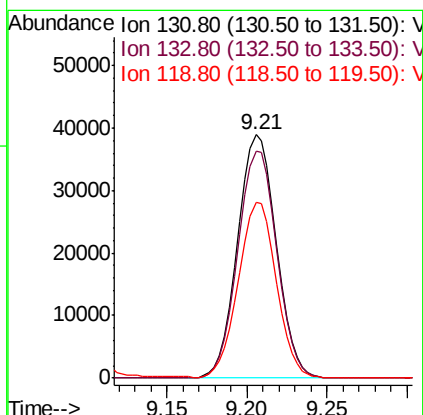
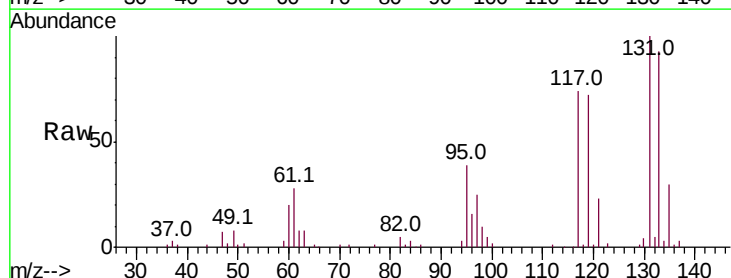
Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

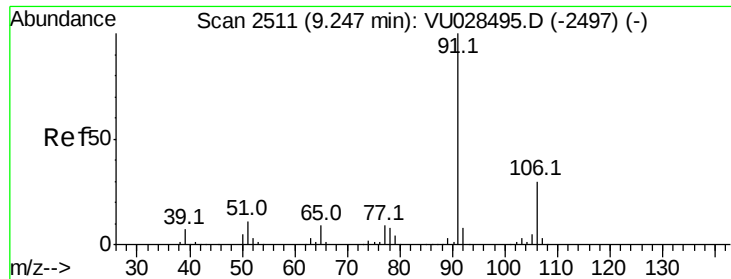
Tot Ion:112 Resp: 192296
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 55.339 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion:131 Resp: 64223
Ion Ratio Lower Upper
131 100
133 94.1 48.0 144.0
119 70.9 34.6 103.9





#67

Ethyl Benzene

Concen: 50.123 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

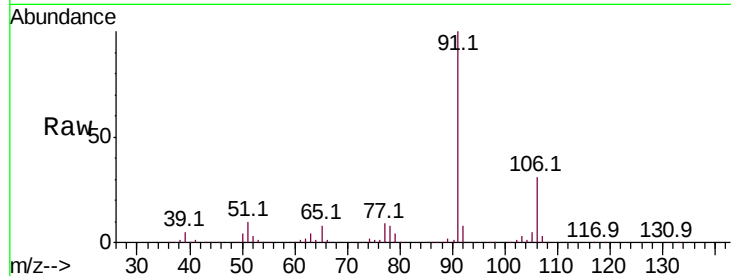
S49-0492MSD

Tot Ion: 91 Resp: 334871

Ion Ratio Lower Upper

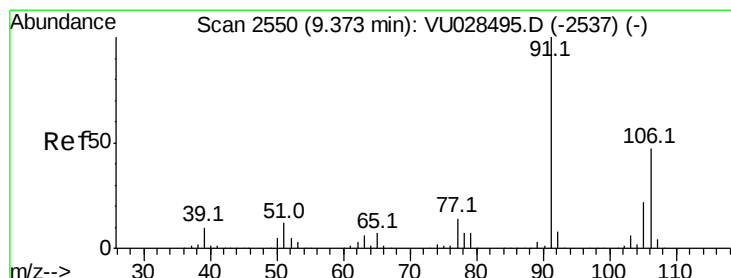
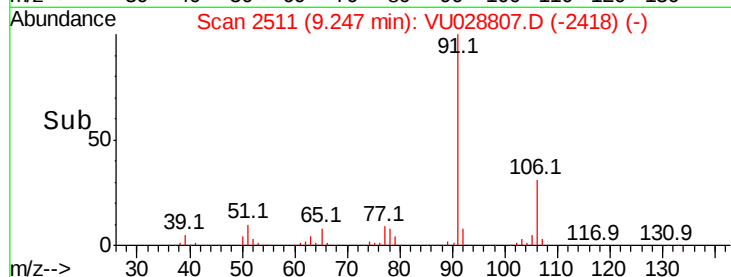
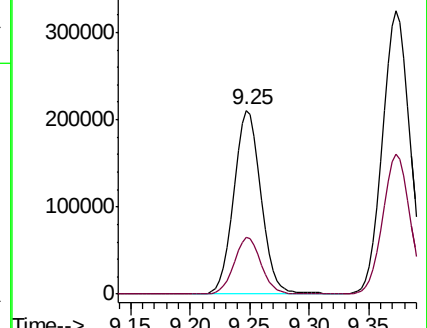
91 100

106 31.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2497) (-)

Ion 106.00 (105.70 to 106.70): VU028495.D (-2497) (-)



#68

m/p-Xylenes

Concen: 106.609 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028807.D

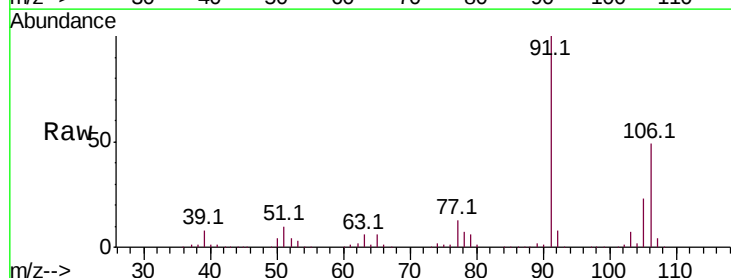
Acq: 19 Dec 2018 20:34

Tgt Ion: 106 Resp: 259170

Ion Ratio Lower Upper

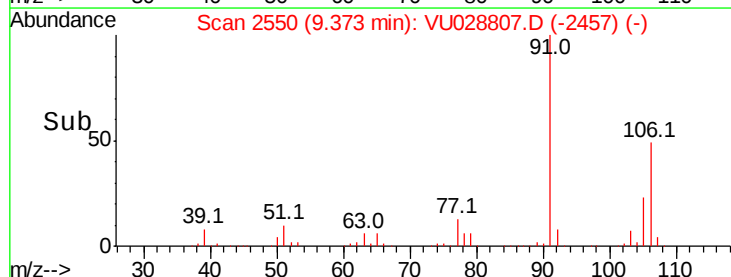
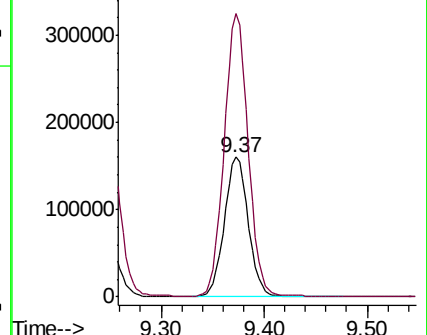
106 100

91 202.6 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): VU028495.D (-2537) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-2537) (-)

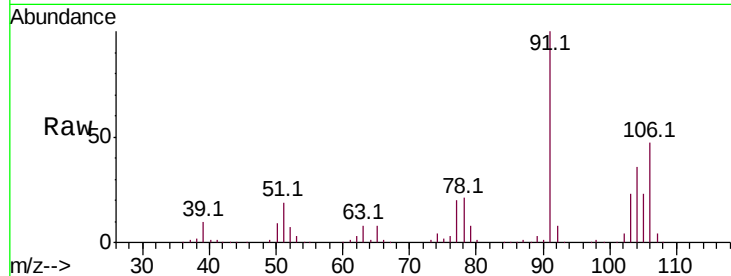




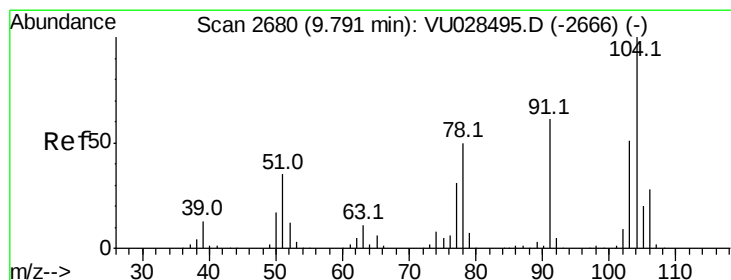
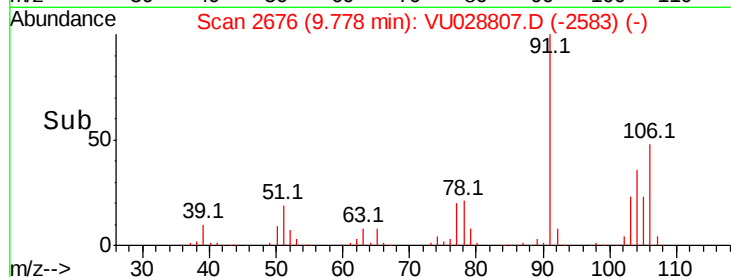
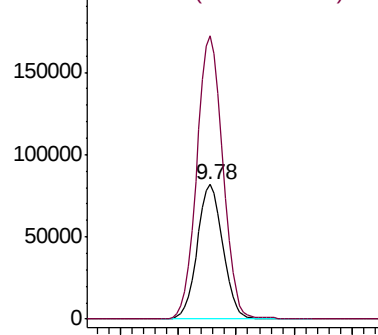
#69
o-Xylene
Concen: 53.304 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion:106 Resp: 125928
Ion Ratio Lower Upper
106 100
91 213.6 111.3 334.0

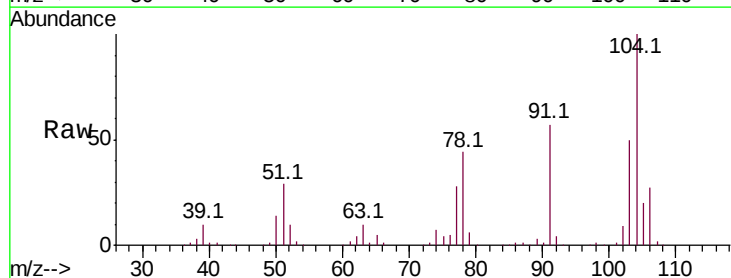


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

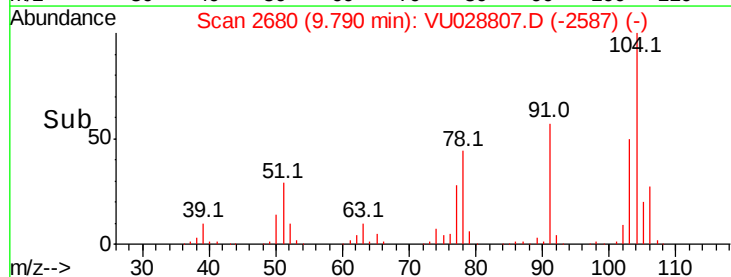
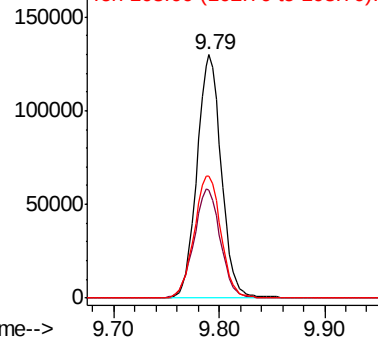


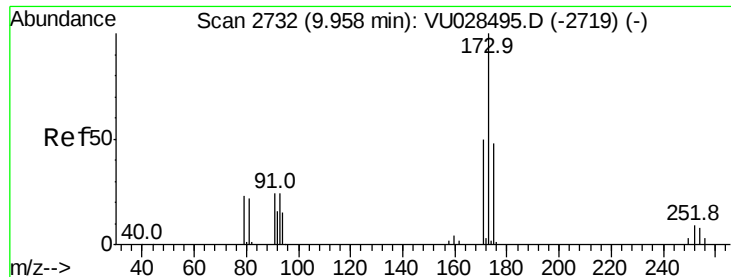
#70
Styrene
Concen: 53.031 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion:104 Resp: 207337
Ion Ratio Lower Upper
104 100
78 48.8 43.0 64.6
103 55.2 44.2 66.4



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





#71

Bromoform

Concen: 57.608 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

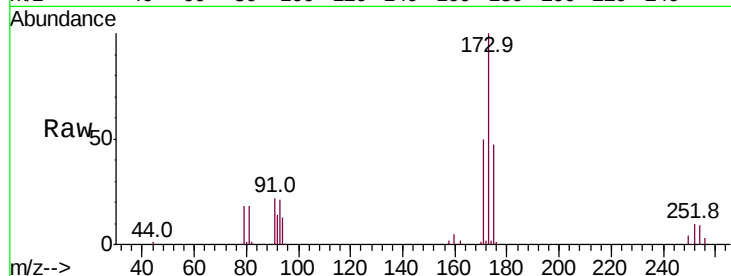
Tot Ion:173 Resp: 56874

Ion Ratio Lower Upper

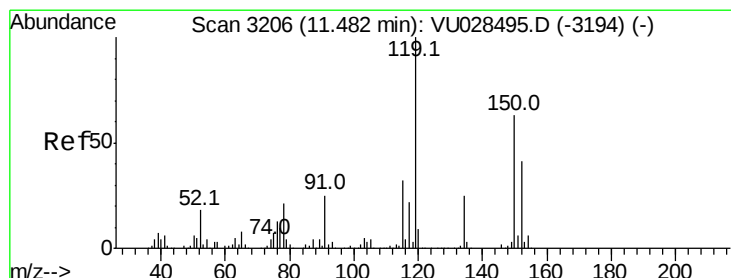
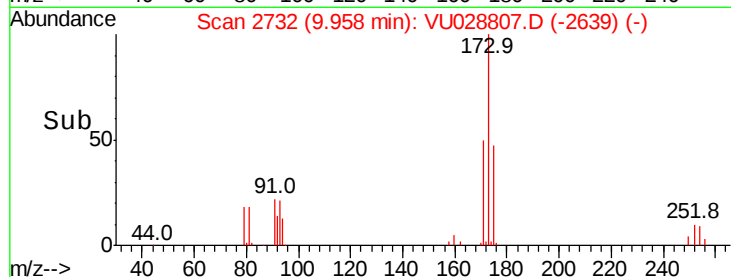
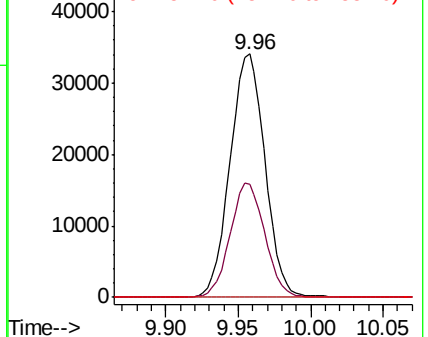
173 100

175 46.6 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: VU028807.D

Acq: 19 Dec 2018 20:34

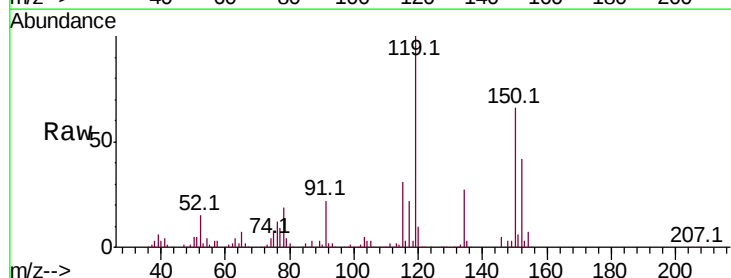
Tgt Ion:152 Resp: 84181

Ion Ratio Lower Upper

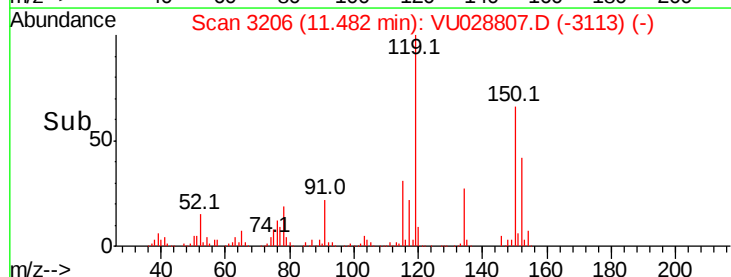
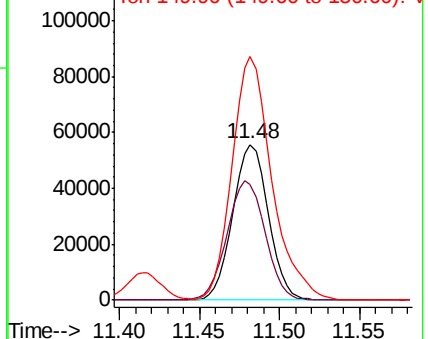
152 100

115 82.1 42.7 128.1

150 175.5 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: 49.905 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

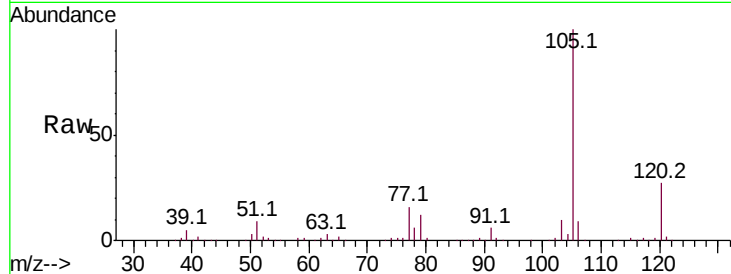
S49-0492MSD

Tot Ion:105 Resp: 322361

Ion Ratio Lower Upper

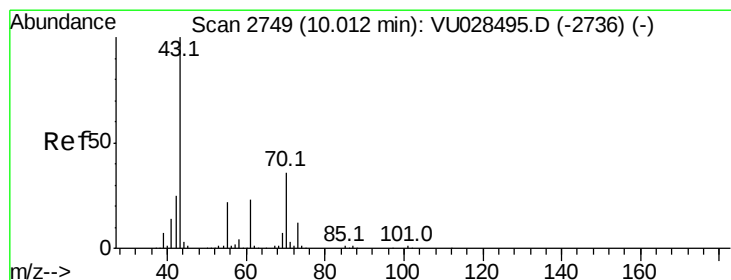
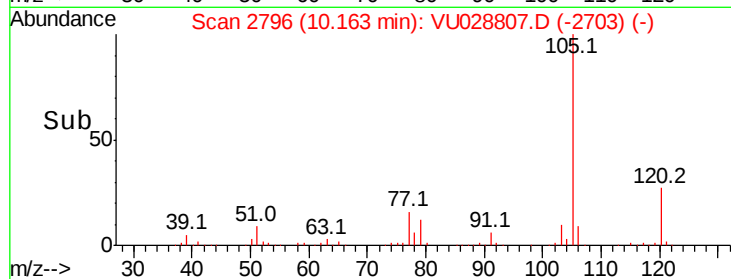
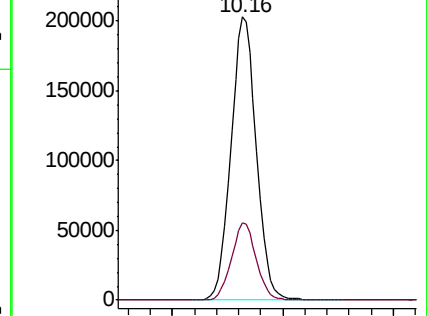
105 100

120 26.7 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 41.115 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Tgt Ion: 43 Resp: 153196

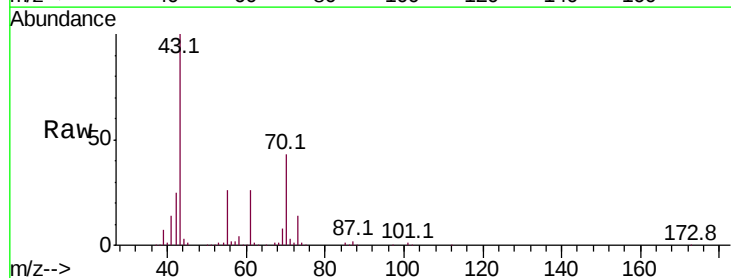
Ion Ratio Lower Upper

43 100

70 43.0 29.3 43.9

55 25.8 18.0 27.0

61 25.9 18.3 27.5

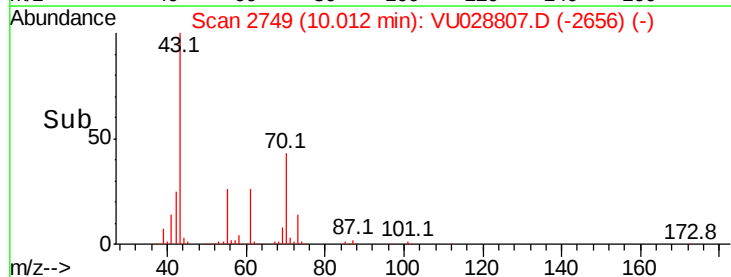
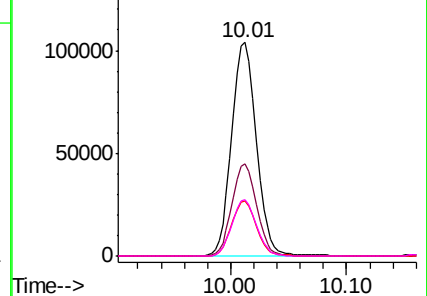


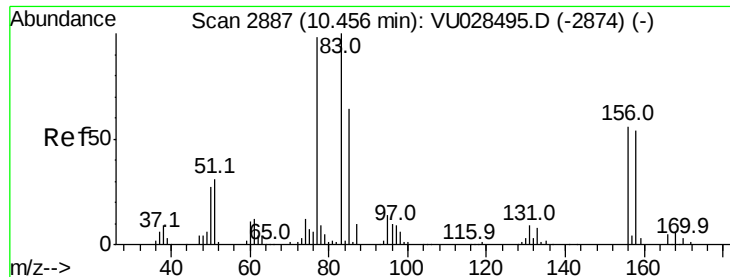
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.896 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

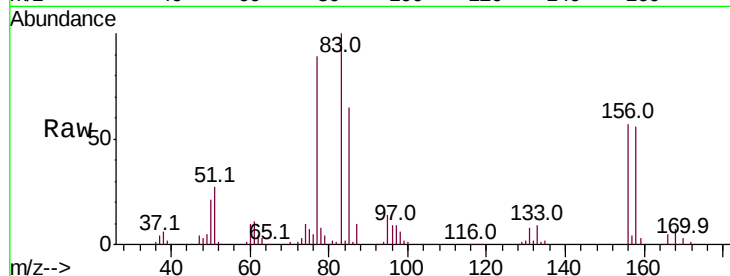
Tot Ion: 83 Resp: 131254

Ion Ratio Lower Upper

83 100

131 8.5 4.2 12.4

85 64.3 31.8 95.4

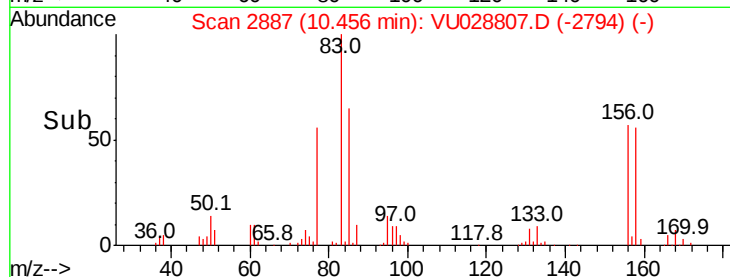


Abundance Ion 82.90 (82.60 to 83.60): VU028807.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028807.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028807.D (-2874) (-)

Time-->

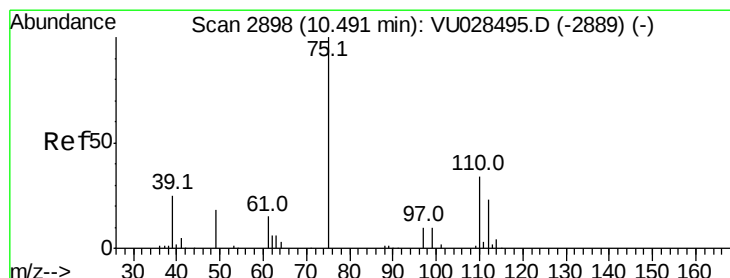


Abundance Ion 82.90 (82.60 to 83.60): VU028807.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028807.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028807.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 69.721 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028807.D

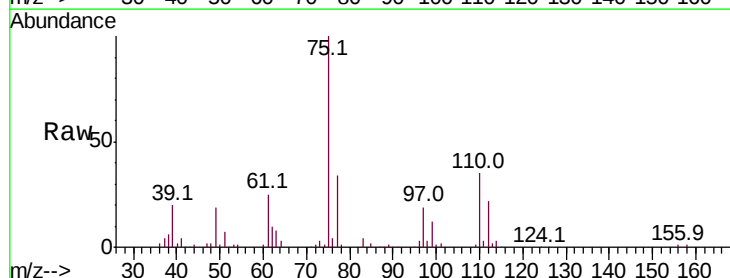
Acq: 19 Dec 2018 20:34

Tgt Ion: 75 Resp: 149870

Ion Ratio Lower Upper

75 100

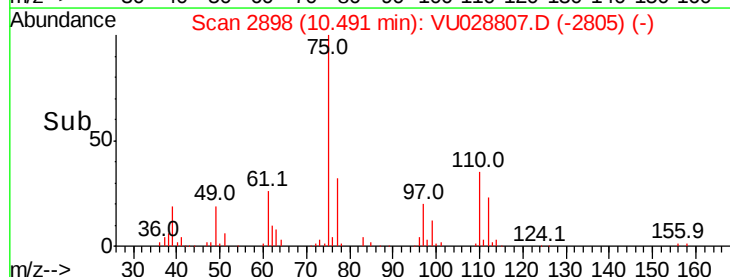
77 32.4 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028807.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028807.D (-2805) (-)

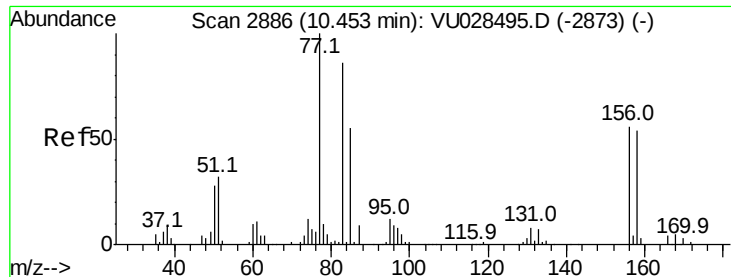
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU028807.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028807.D (-2805) (-)

Time-->



#77

Bromobenzene

Concen: 54.870 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

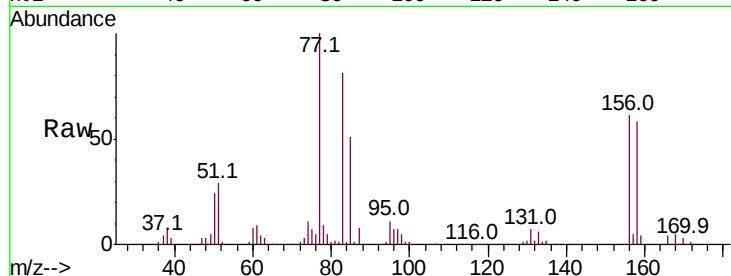
Tot Ion:156 Resp: 82893

Ion Ratio Lower Upper

156 100

77 163.5 92.4 277.2

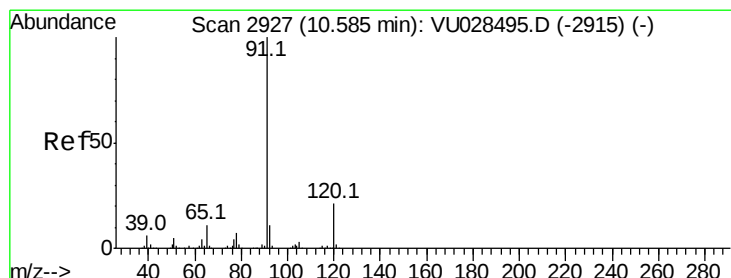
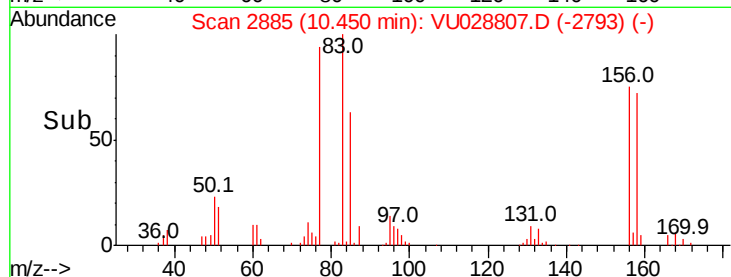
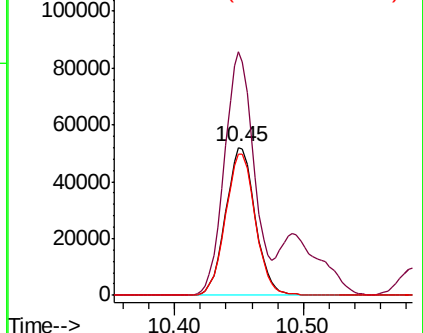
158 96.5 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VU0

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 48.596 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028807.D

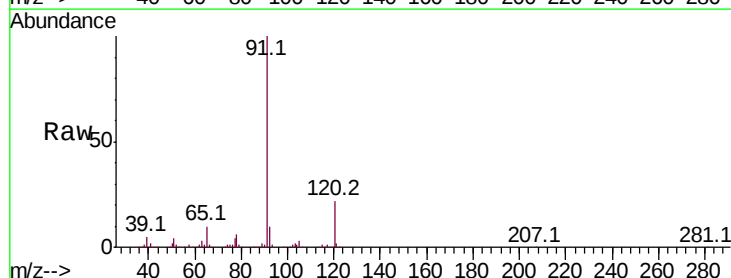
Acq: 19 Dec 2018 20:34

Tgt Ion: 91 Resp: 390056

Ion Ratio Lower Upper

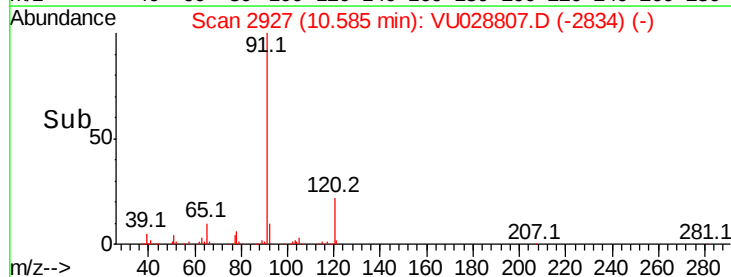
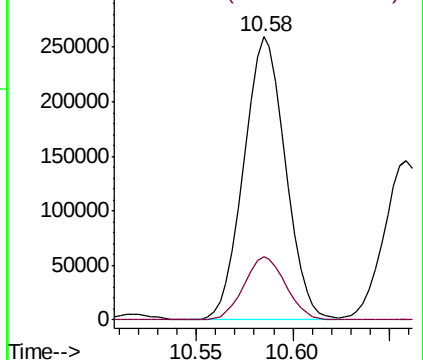
91 100

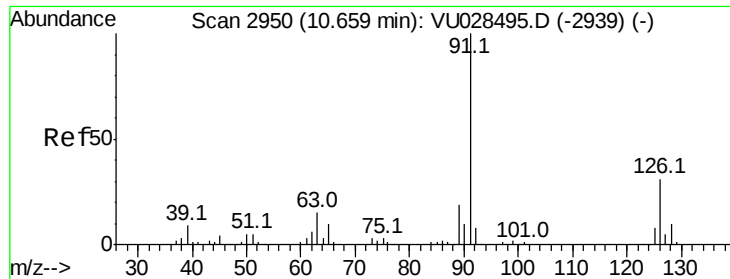
120 22.3 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.30): VU0

Ion 120.00 (119.70 to 120.30): V

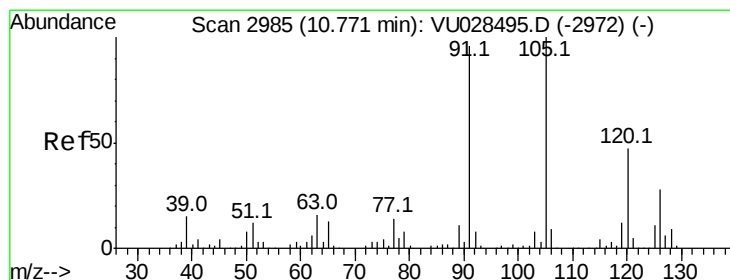
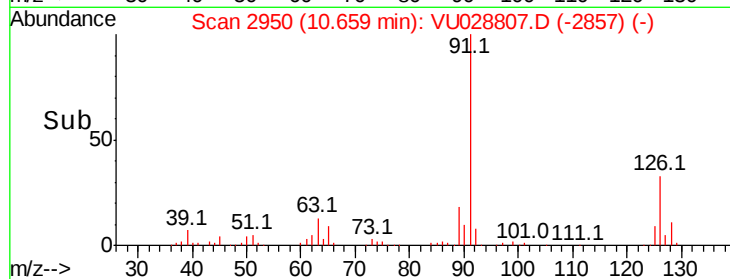
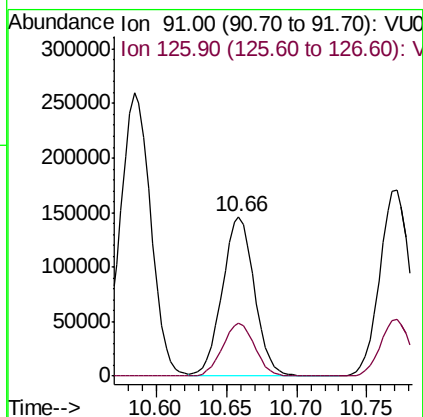
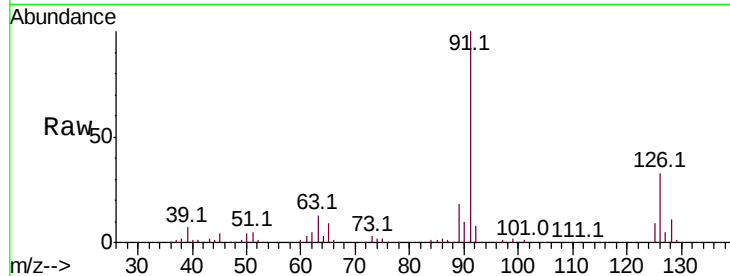




#79
 2-Chlorotoluene
 Concen: 50.318 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

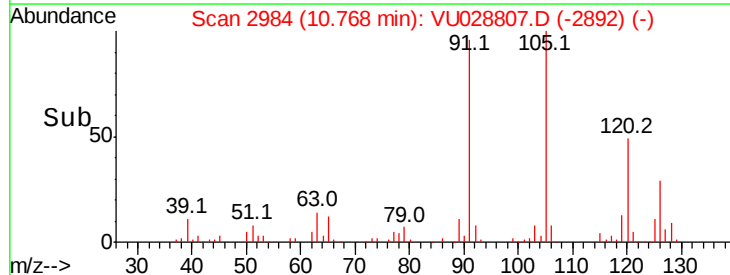
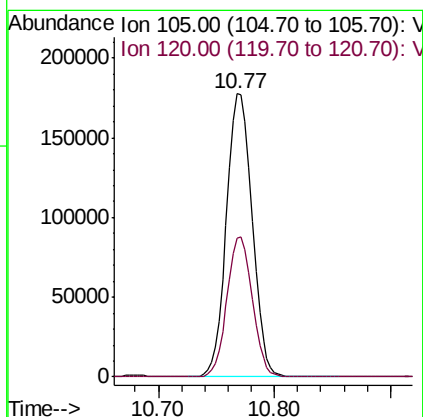
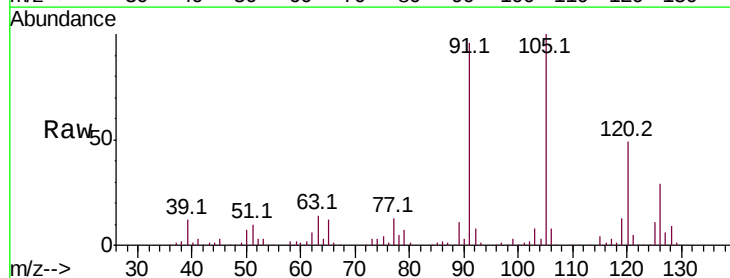
Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

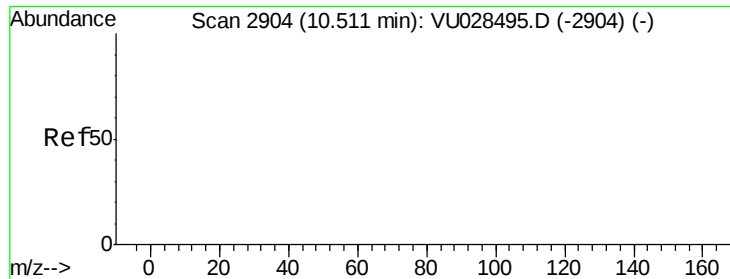
Tot Ion: 91 Resp: 232646
 Ion Ratio Lower Upper
 91 100
 126 33.3 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 51.080 ug/l
 RT: 10.77 min Scan# 2984
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion: 105 Resp: 273124
 Ion Ratio Lower Upper
 105 100
 120 48.7 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 170.148 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

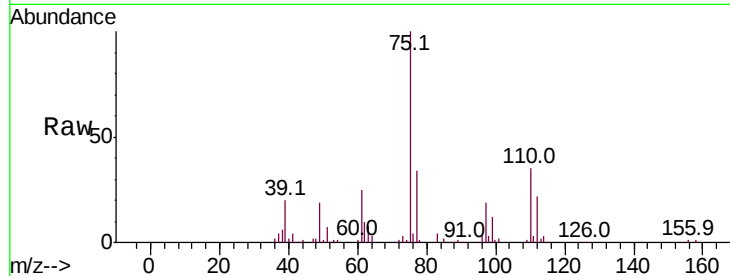
Tot Ion: 75 Resp: 149870

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

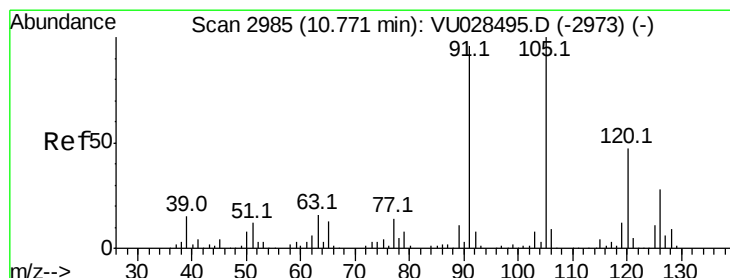
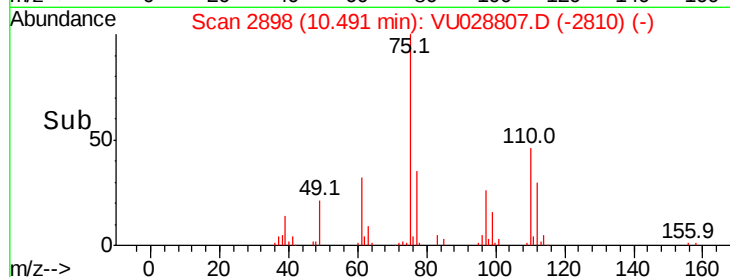
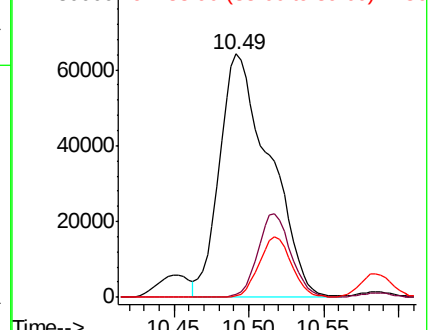
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 47.890 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028807.D

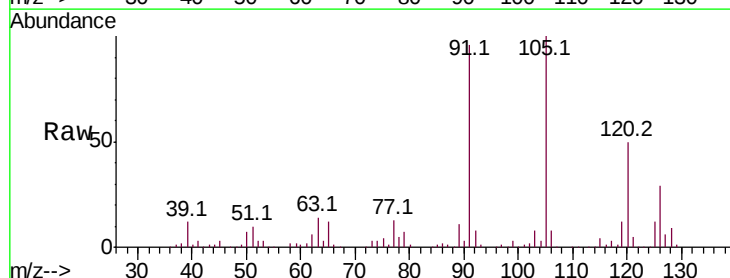
Acq: 19 Dec 2018 20:34

Tgt Ion: 91 Resp: 262384

Ion Ratio Lower Upper

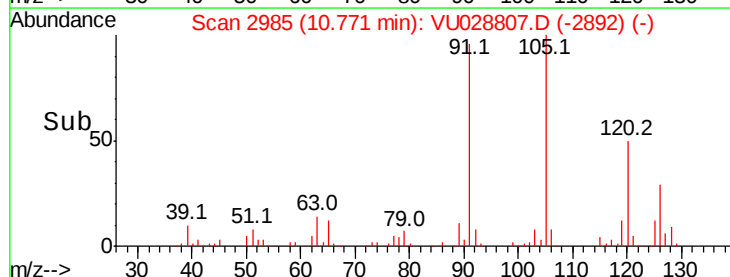
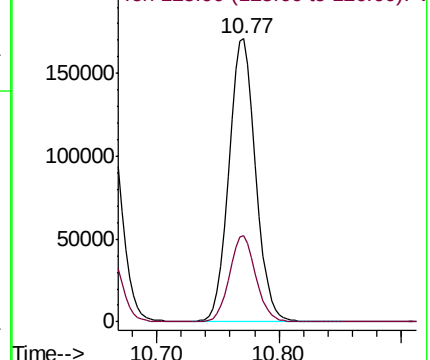
91 100

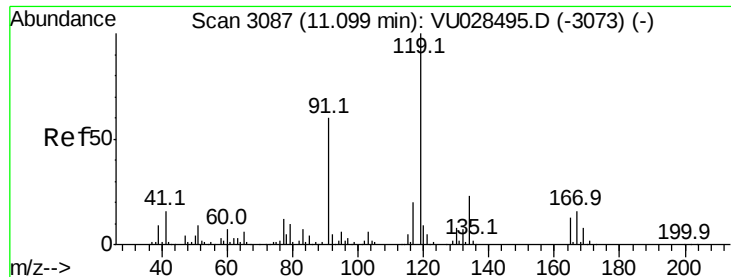
126 30.1 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 51.227 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

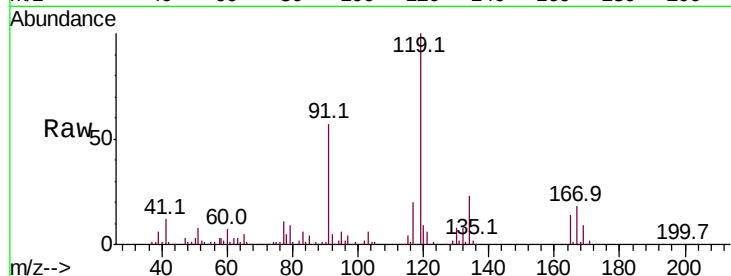
Tot Ion:119 Resp: 264010

Ion Ratio Lower Upper

119 100

91 57.5 30.3 91.0

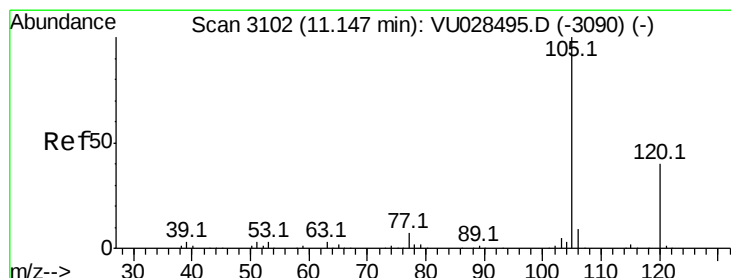
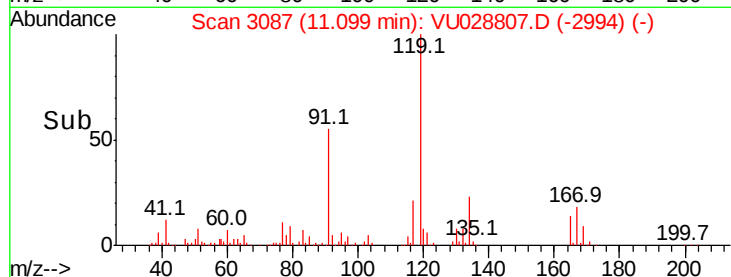
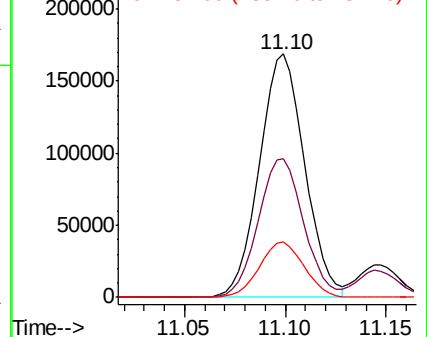
134 22.5 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.364 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028807.D

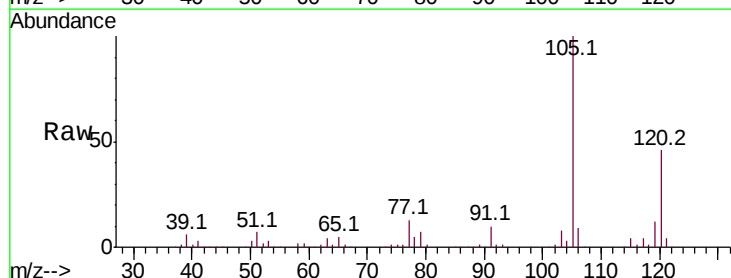
Acq: 19 Dec 2018 20:34

Tgt Ion:105 Resp: 277531

Ion Ratio Lower Upper

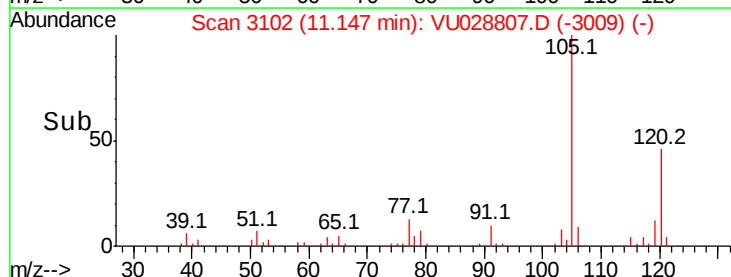
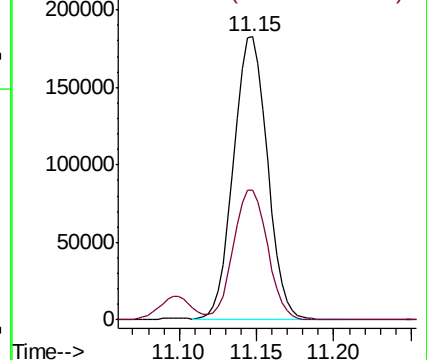
105 100

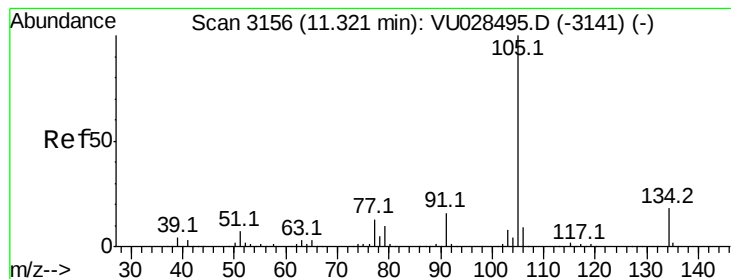
120 46.3 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.569 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

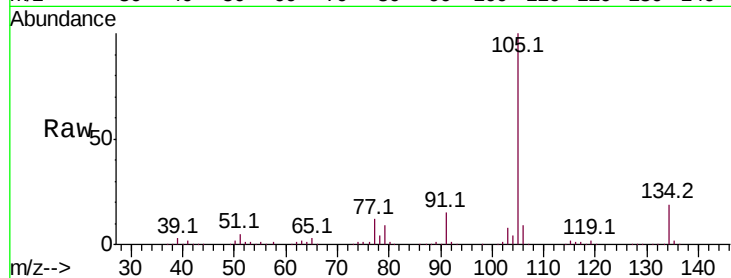
S49-0492MSD

Tot Ion:105 Resp: 328190

Ion Ratio Lower Upper

105 100

134 19.1 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

250000

200000

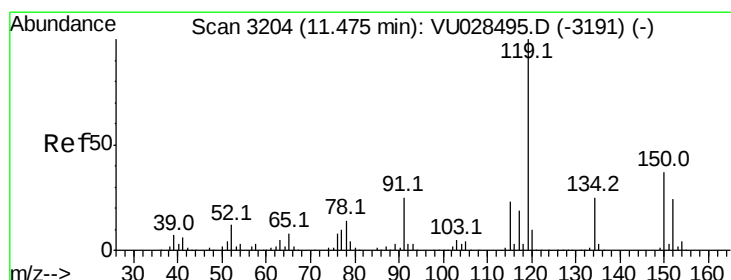
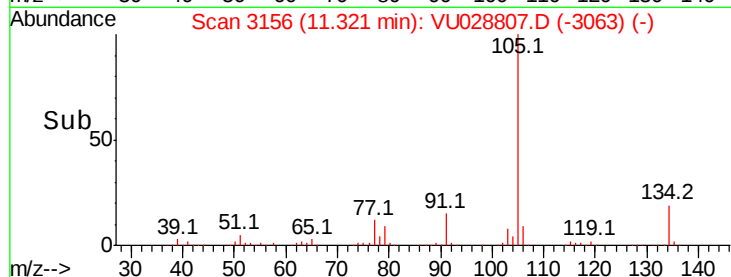
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.147 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

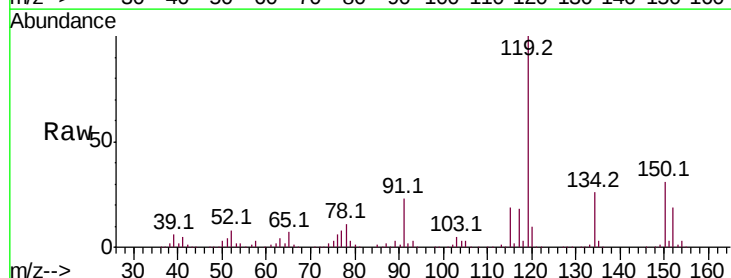
Tgt Ion:119 Resp: 276416

Ion Ratio Lower Upper

119 100

134 26.6 12.7 38.1

91 23.3 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

11.47

250000

200000

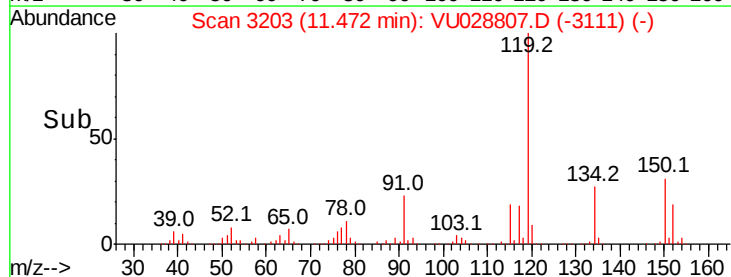
150000

100000

50000

0

Time-->

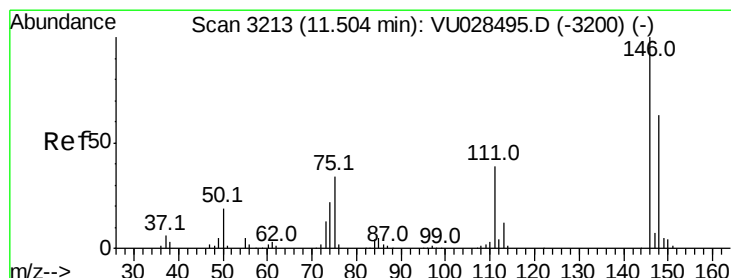
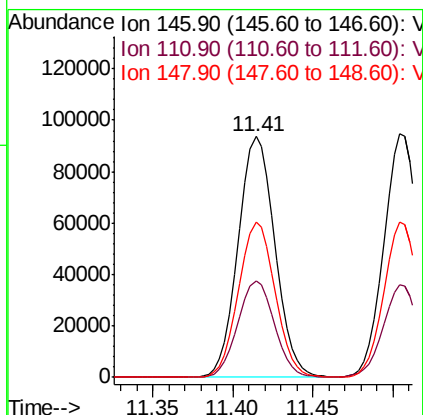
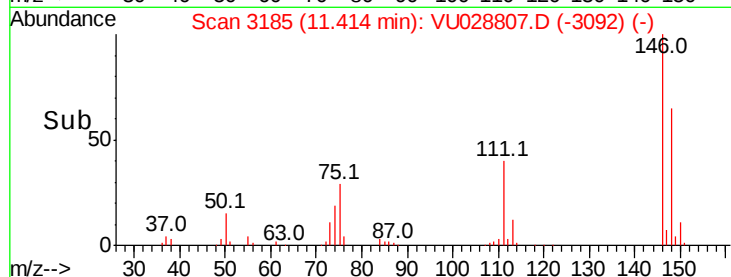
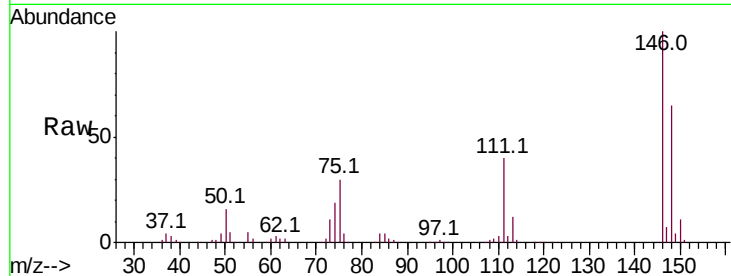




#87
 1,3-Dichlorobenzene
 Concen: 51.340 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

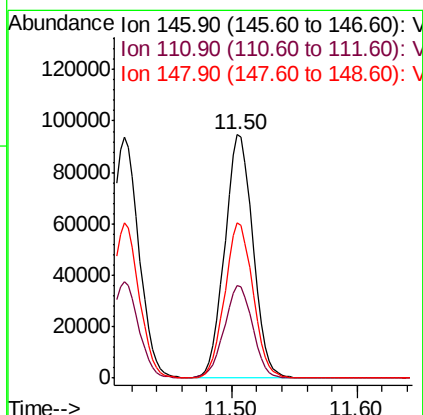
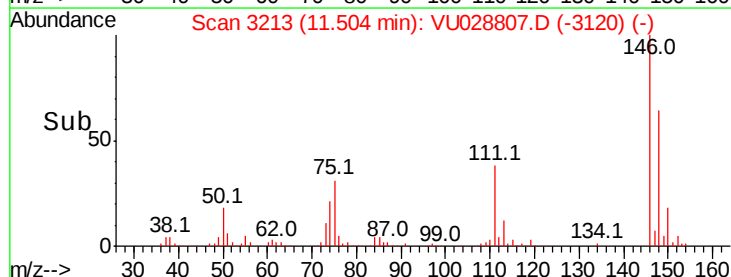
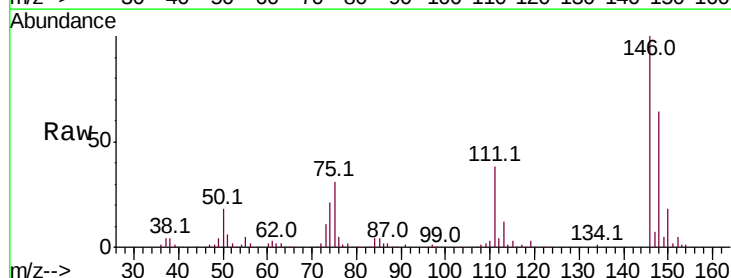
Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.7	62.1
148	64.2	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 49.893 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.2	60.5
148	64.3	31.6	95.0

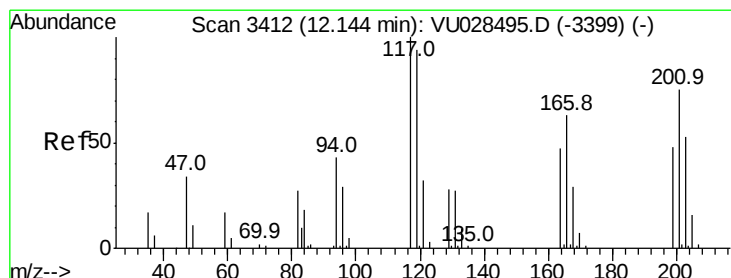
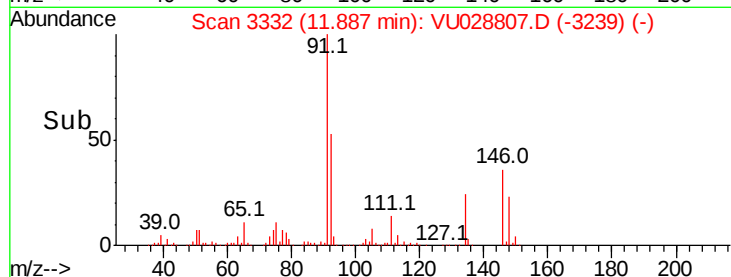
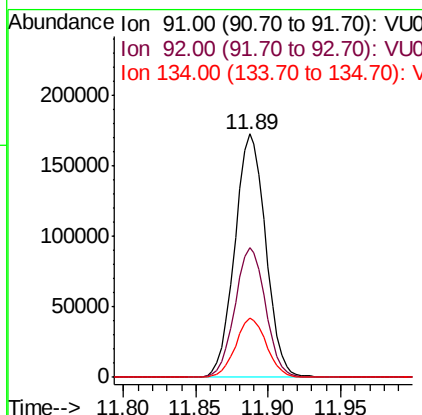
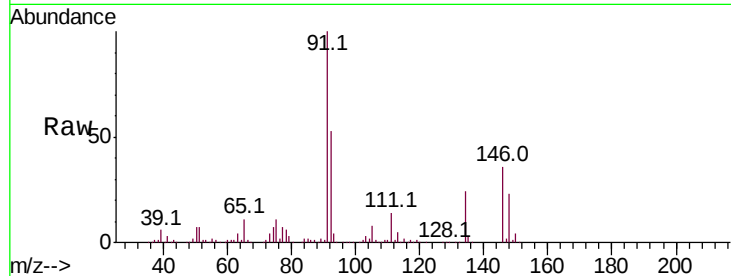




#89
n-Butylbenzene
Concen: 44.763 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

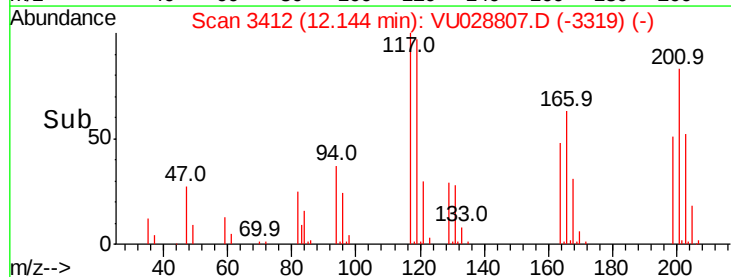
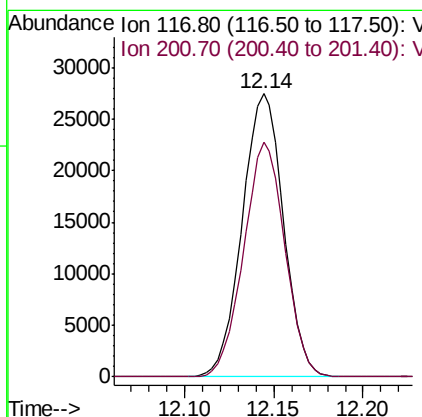
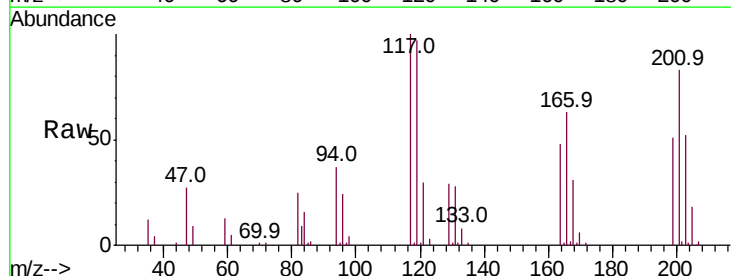
Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion: 91 Resp: 254791
Ion Ratio Lower Upper
91 100
92 53.0 26.3 78.9
134 24.2 11.3 33.8



#90
Hexachloroethane
Concen: 52.043 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion: 117 Resp: 44241
Ion Ratio Lower Upper
117 100
201 82.7 38.1 114.5

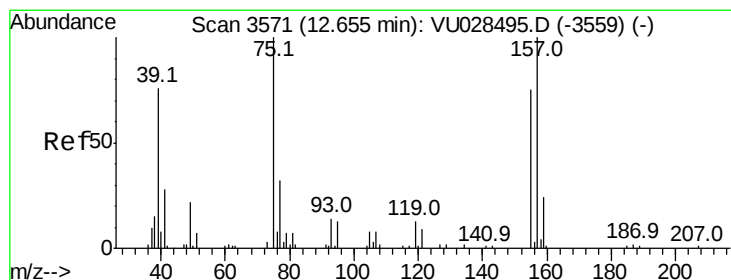
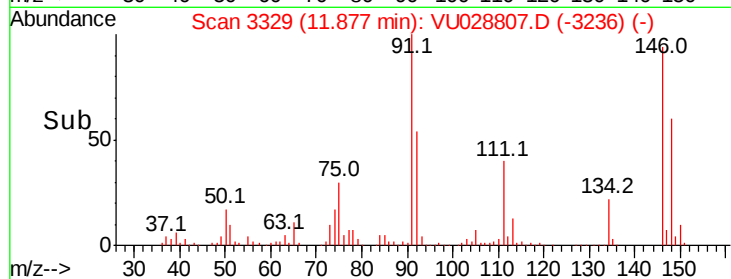
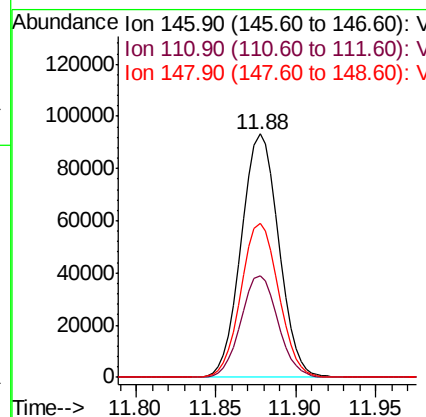
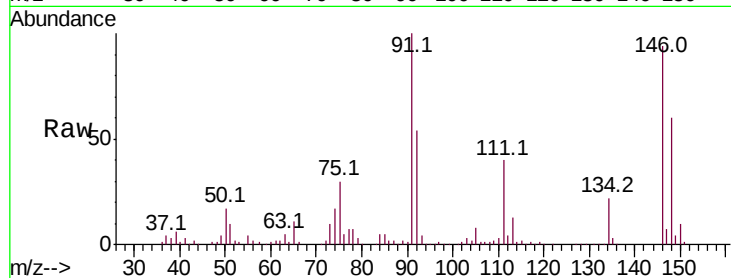




#91
 1,2-Dichlorobenzene
 Concen: 52.182 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

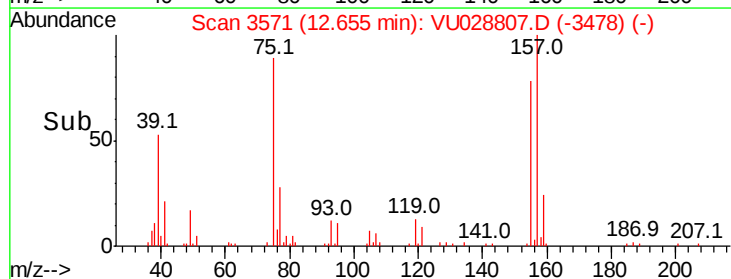
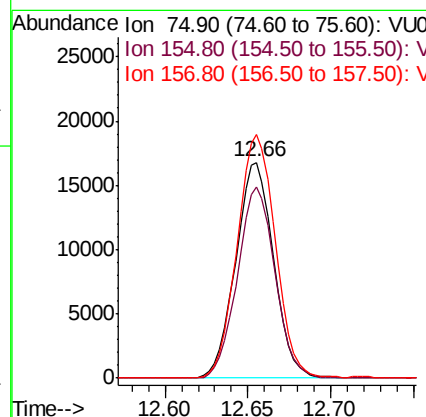
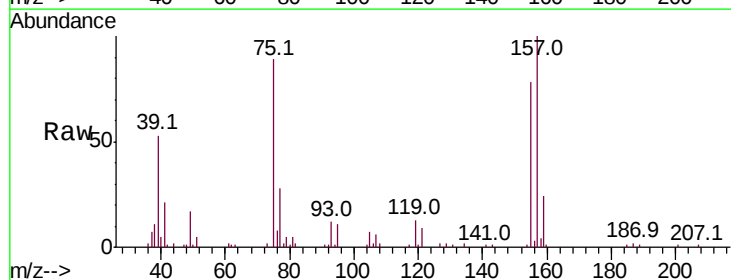
Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

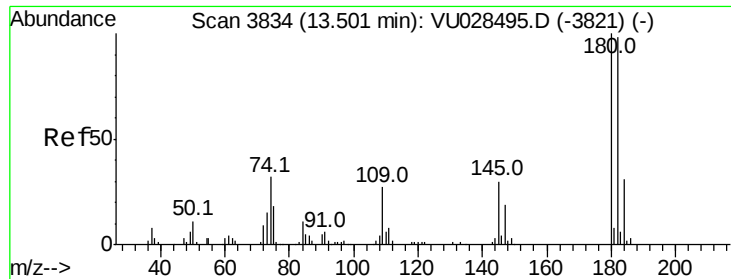
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.4
148	63.8	31.4	94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.714 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	38.1	114.5
157	113.7	48.7	146.1

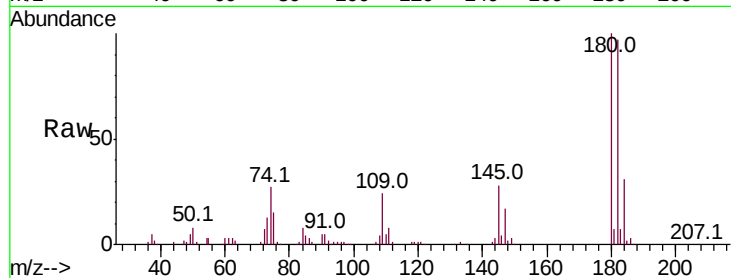




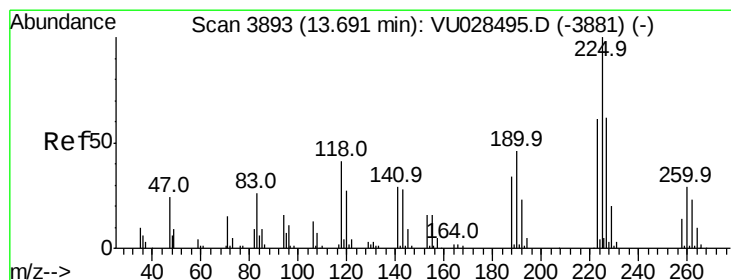
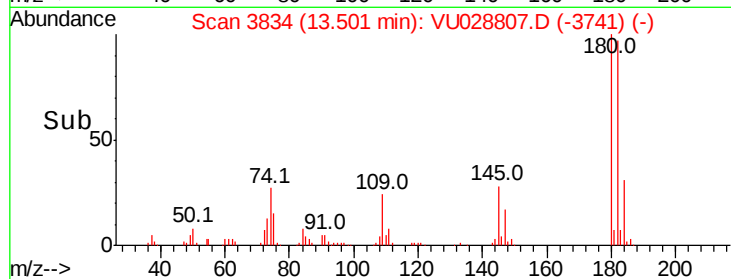
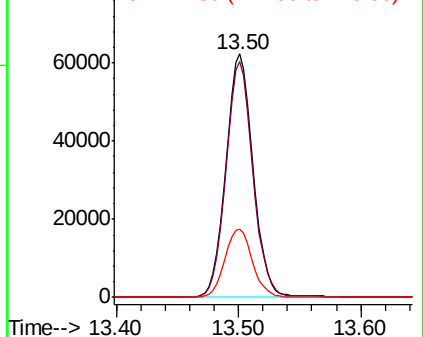
#93
1,2,4-Trichlorobenzene
Concen: 49.769 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion:180 Resp: 97578
Ion Ratio Lower Upper
180 100
182 96.2 47.9 143.8
145 28.6 15.0 45.1

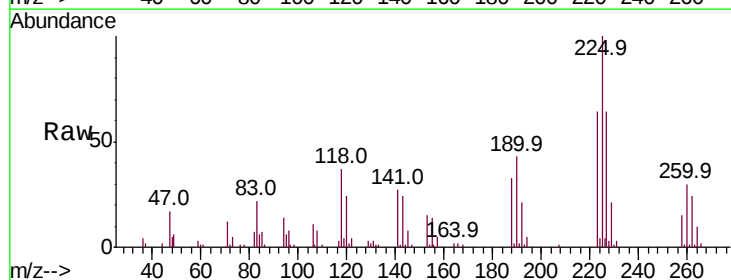


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

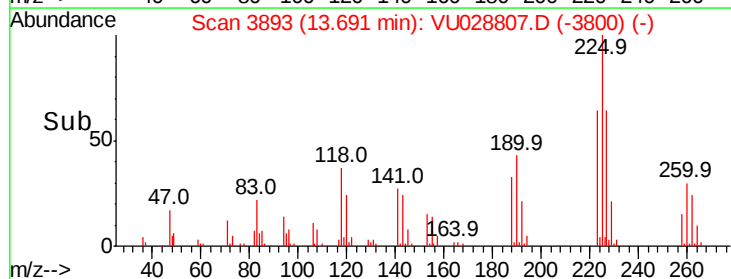
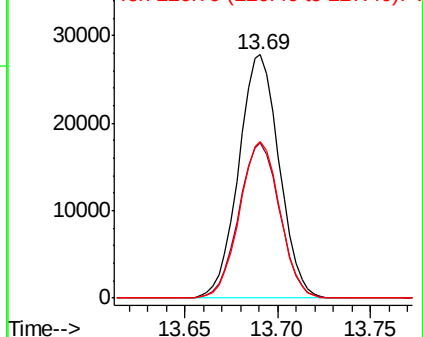


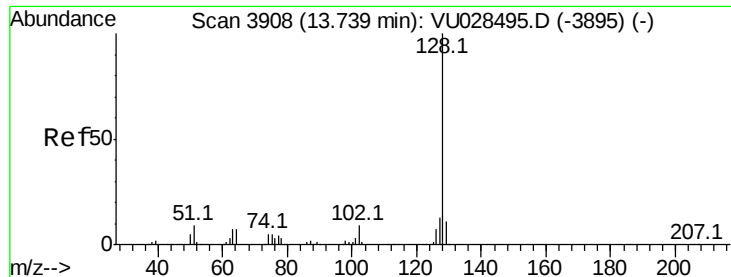
#94
Hexachlorobutadiene
Concen: 45.368 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion:225 Resp: 42405
Ion Ratio Lower Upper
225 100
223 64.1 30.4 91.2
227 63.9 30.7 92.1



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

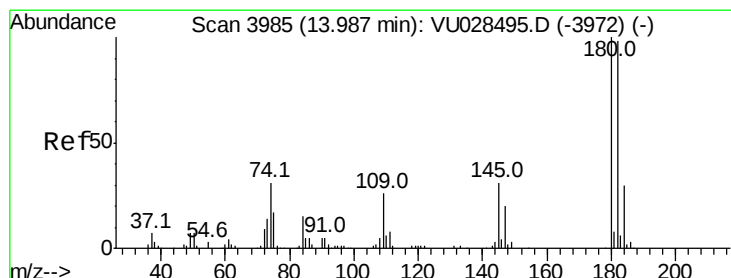
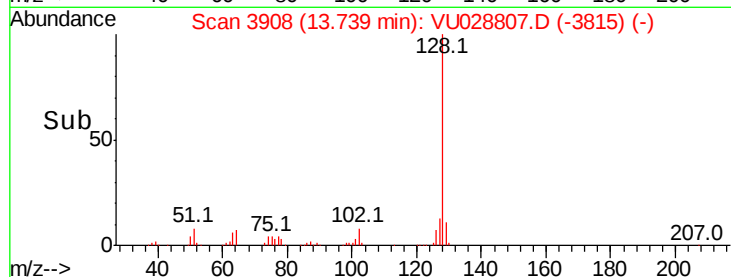
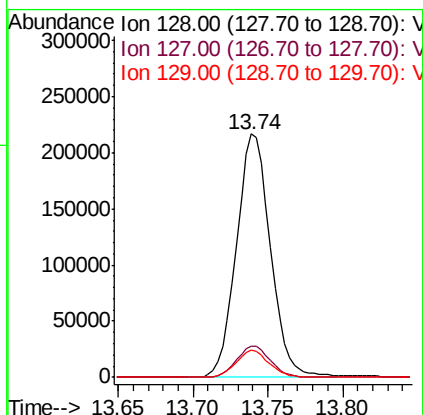
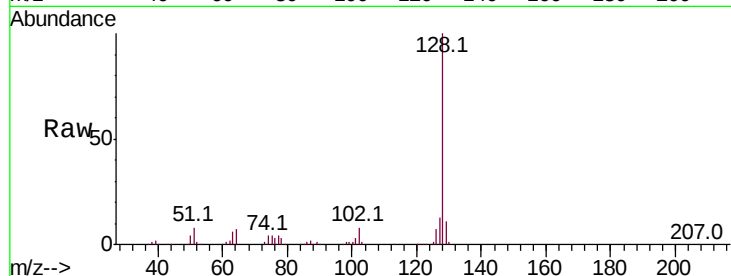




#95
Naphthalene
Concen: 50.157 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion:128 Resp: 343431
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.450 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion:180 Resp: 102369
Ion Ratio Lower Upper
180 100
182 95.4 48.2 144.6
145 30.2 15.8 47.3

