

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
 Data File : VU044901.D
 Acq On : 27 Sep 2021 20:03
 Operator : SY/MD
 Sample : M3838-01
 Misc : 5.00g/10.0mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OR-02-092121

Quant Time: Sep 28 06:28:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 25 09:30:46 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

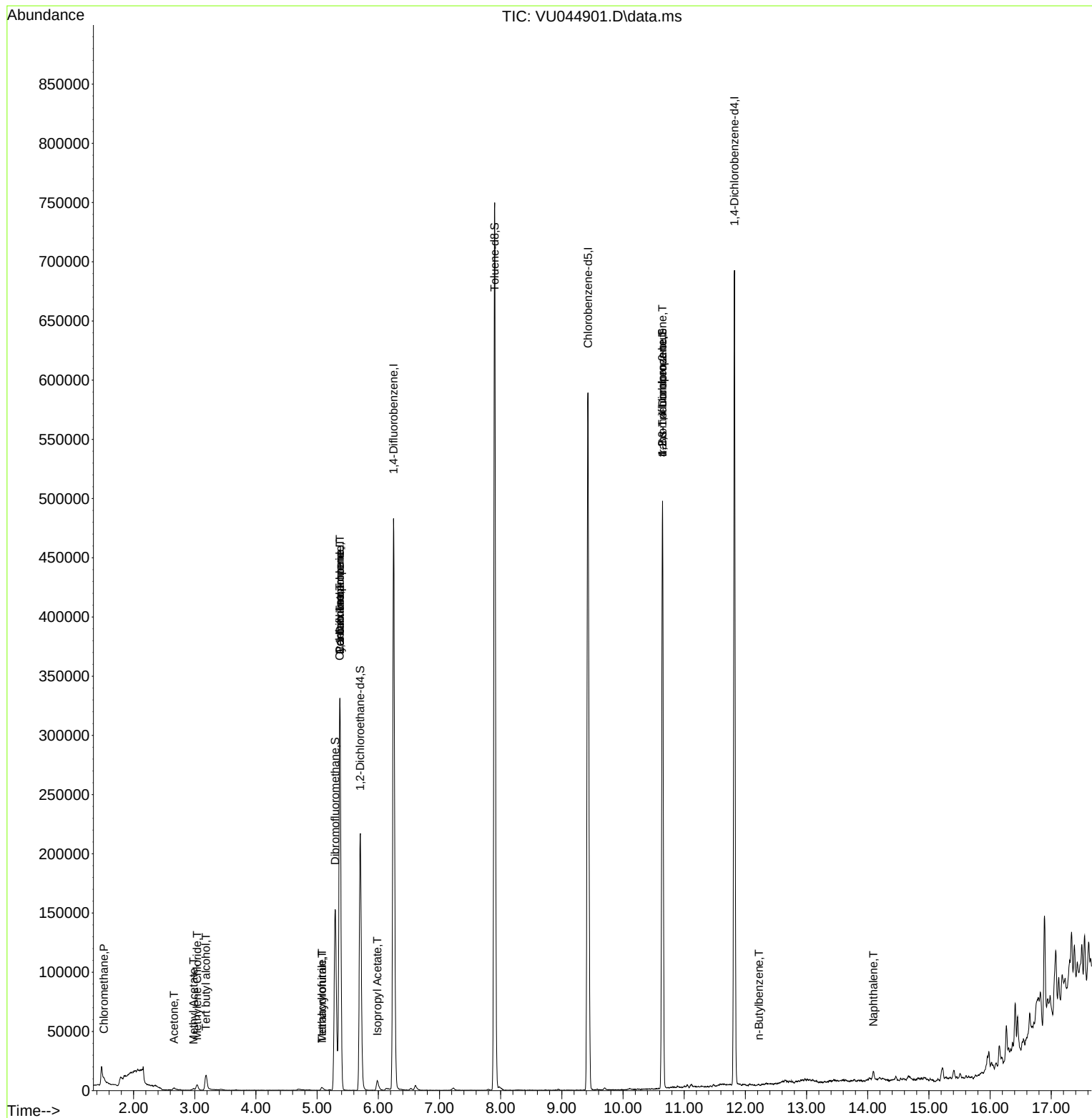
Internal Standards						
1) Pentafluorobenzene	5.372	168	229528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	409276	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.427	117	375809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.822	152	166560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	182667	45.600	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.200%	
35) Dibromofluoromethane	5.295	113	122469	43.619	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.240%	
50) Toluene-d8	7.903	98	518087	48.857	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.720%	
62) 4-Bromofluorobenzene	10.645	95	183940	46.702	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.400%	
Target Compounds					Qvalue	
3) Chloromethane	1.517	50	1200	0.288	ug/l	90
5) Bromomethane	1.845	94	911	Below Cal		97
6) Chloroethane	1.916	64	61	Below Cal	#	42
11) Tert butyl alcohol	3.182	59	9954	8.513	ug/l #	72
13) Acrolein	2.234	56	19	Below Cal	#	1
16) Acetone	2.662	43	3800	1.682	ug/l #	80
18) Methyl Acetate	2.980	43	3445	0.456	ug/l #	79
20) Methylene Chloride	3.038	84	2802	0.766	ug/l	86
29) Tetrahydrofuran	5.079	42	1942	0.900	ug/l	98
31) Cyclohexane	5.369	56	6240	1.085	ug/l #	7
36) 1,1-Dichloropropene	5.372	75	21258	4.895	ug/l #	50
38) Carbon Tetrachloride	5.372	117	24799	6.388	ug/l #	16
41) Methacrylonitrile	5.079	41	1475	0.464	ug/l #	33
43) Isopropyl Acetate	5.983	43	4454	0.500	ug/l #	61
76) 1,2,3-Trichloropropane	10.645	75	98094	19.449	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.645	75	98094	63.003	ug/l #	9
89) n-Butylbenzene	12.224	91	492	1.321	ug/l #	45
95) Naphthalene	14.092	128	5778	1.387	ug/l #	95

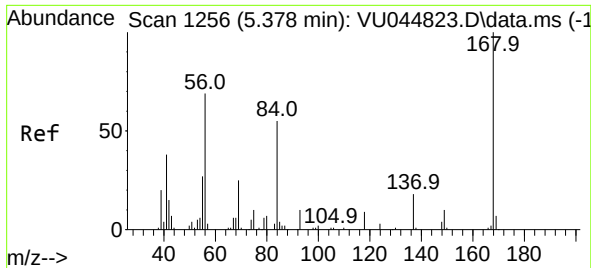
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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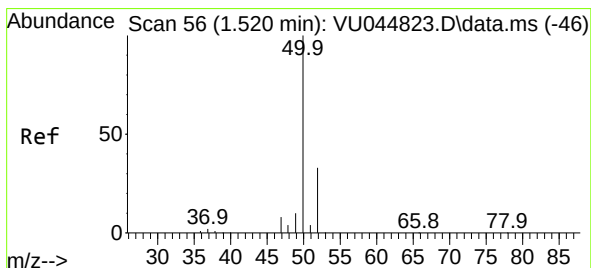
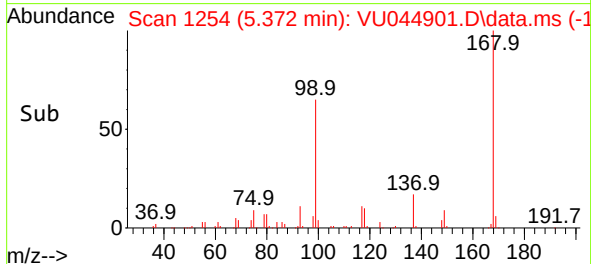
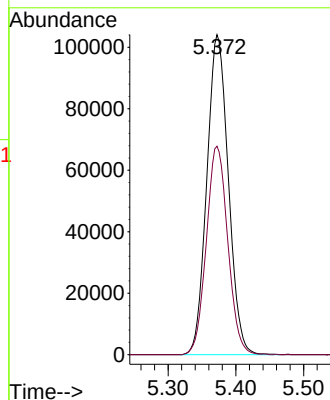
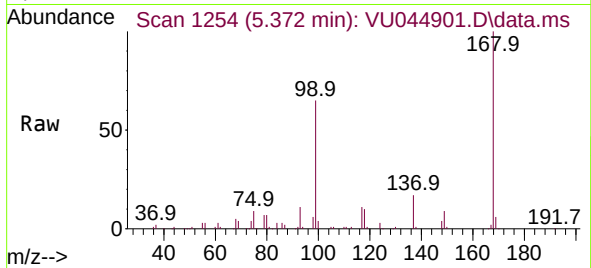




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.006 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

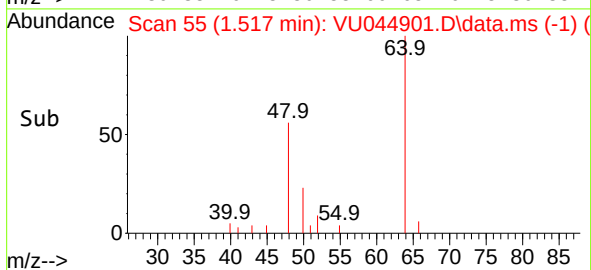
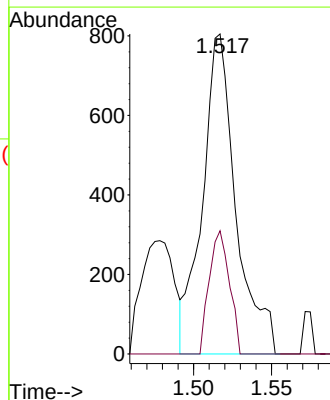
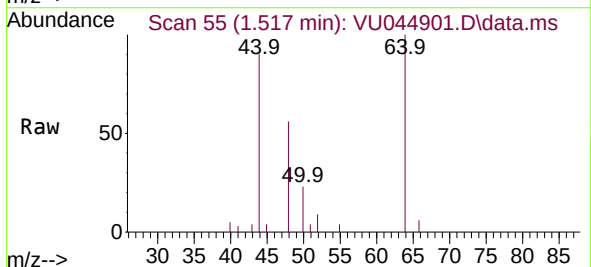
Instrument :
MSVOA_U
ClientSampleId :
OR-02-092121

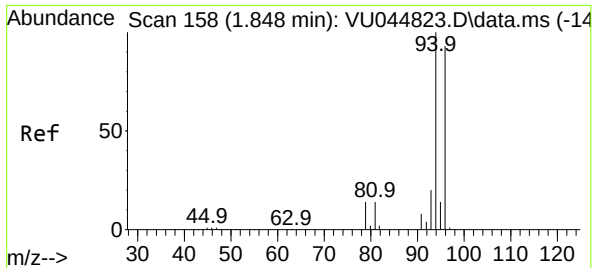
Tgt Ion:168 Resp: 229528
Ion Ratio Lower Upper
168 100
99 65.2 51.4 77.0



#3
Chloromethane
Concen: 0.288 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

Tgt Ion: 50 Resp: 1200
Ion Ratio Lower Upper
50 100
52 38.5 26.3 39.5

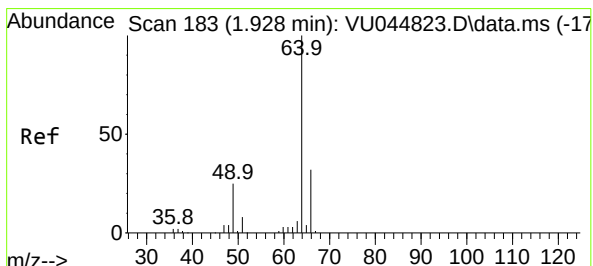
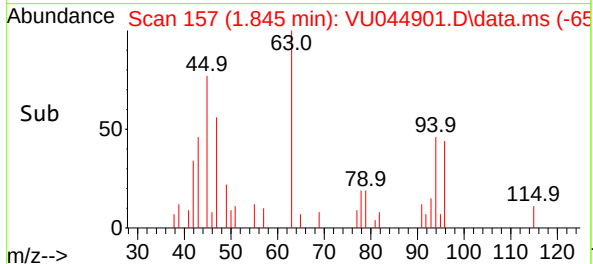
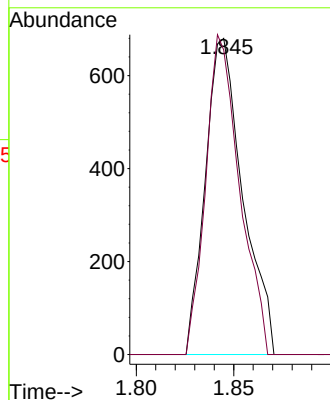
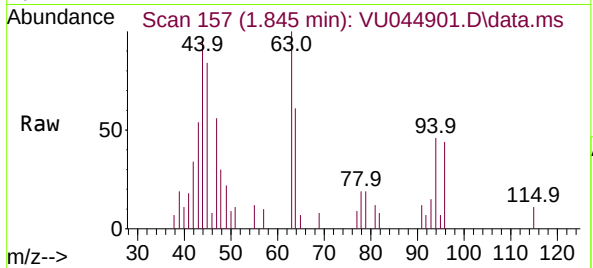




#5
Bromomethane
Concen: Below Cal
RT: 1.845 min Scan# 157
Delta R.T. -0.003 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

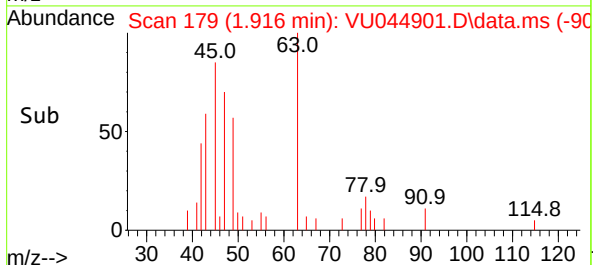
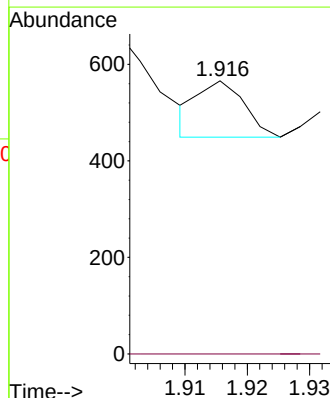
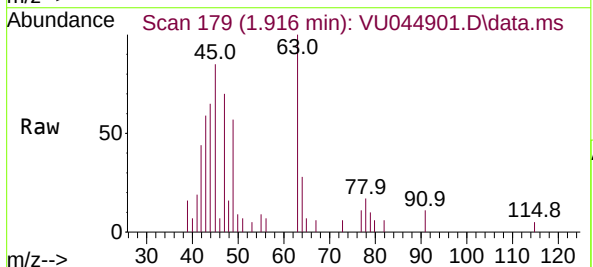
Instrument :
MSVOA_U
ClientSampleId :
OR-02-092121

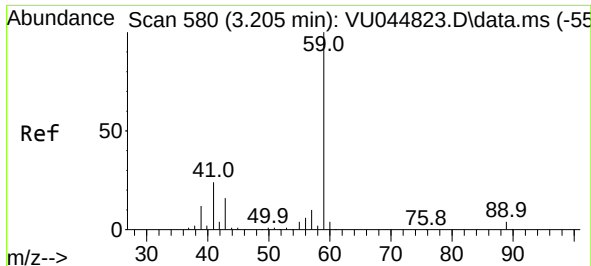
Tgt Ion: 94 Resp: 911
Ion Ratio Lower Upper
94 100
96 96.3 74.5 111.7



#6
Chloroethane
Concen: Below Cal
RT: 1.916 min Scan# 179
Delta R.T. -0.012 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



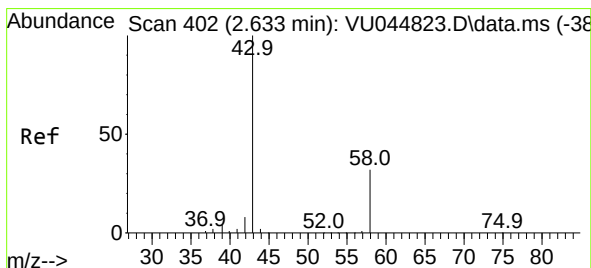
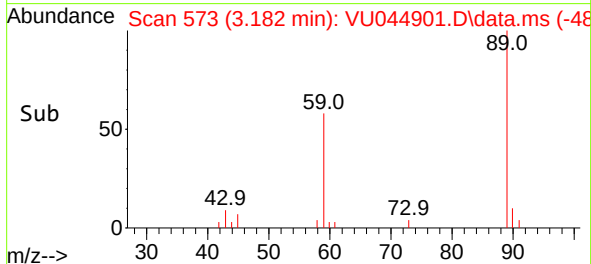
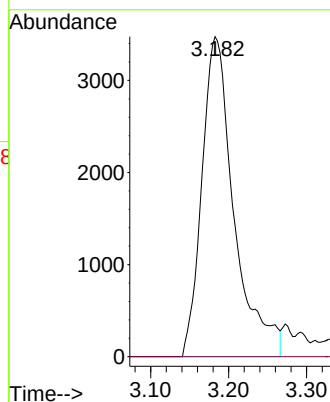
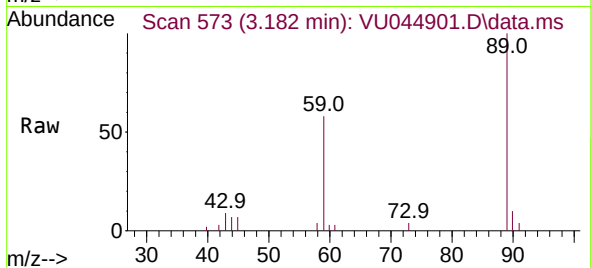


#11

Tert butyl alcohol
Concen: 8.513 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.023 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

Instrument :
MSVOA_U
ClientSampleId :
OR-02-092121

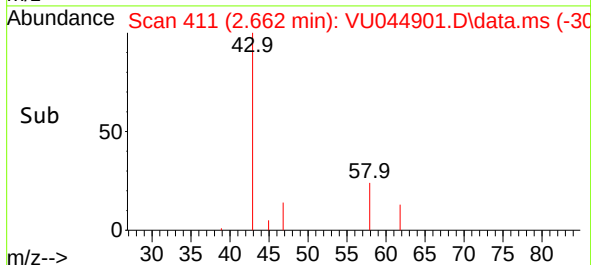
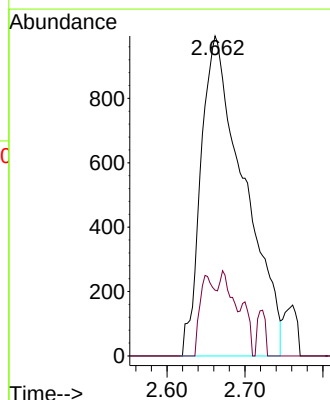
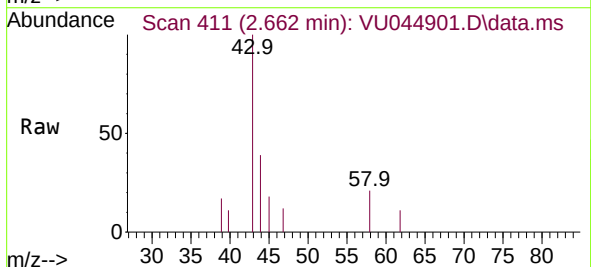
Tgt Ion: 59 Resp: 9954
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

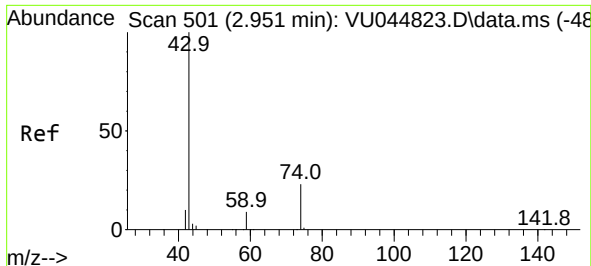


#16

Acetone
Concen: 1.682 ug/l
RT: 2.662 min Scan# 411
Delta R.T. 0.029 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

Tgt Ion: 43 Resp: 3800
Ion Ratio Lower Upper
43 100
58 20.5 25.2 37.8#

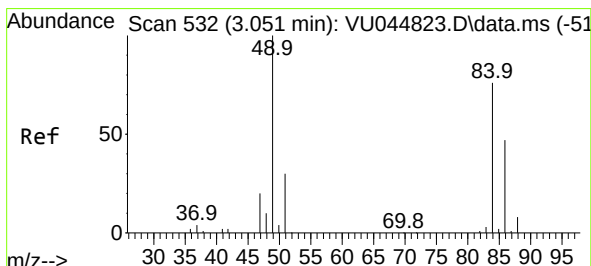
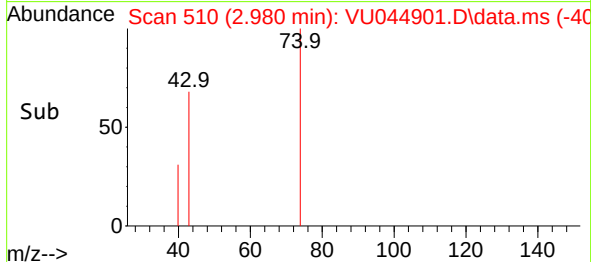
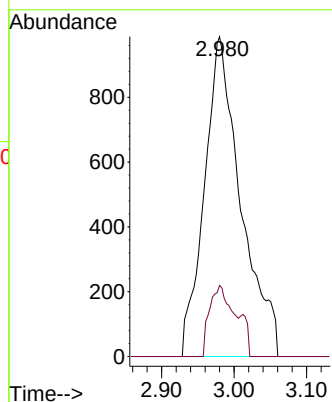
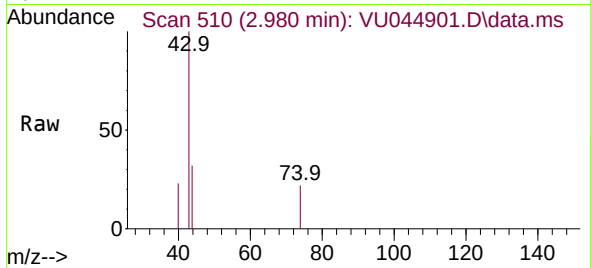




#18
Methyl Acetate
Concen: 0.456 ug/l
RT: 2.980 min Scan# 510
Delta R.T. 0.029 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

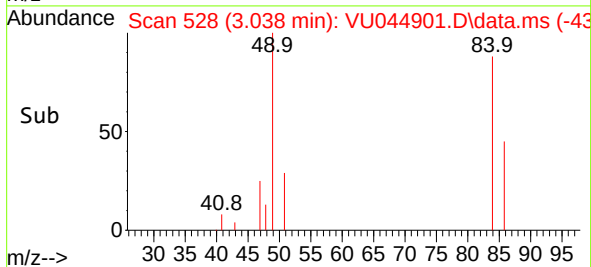
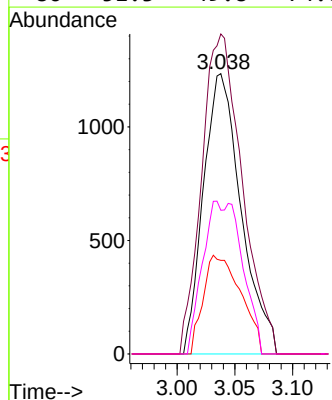
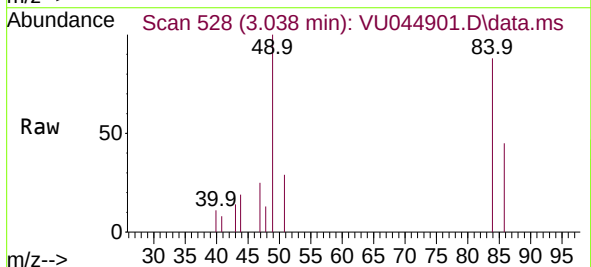
Instrument :
MSVOA_U
ClientSampleId :
OR-02-092121

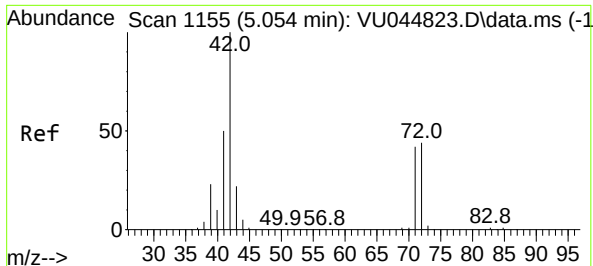
Tgt Ion: 43 Resp: 3445
Ion Ratio Lower Upper
43 100
74 13.5 19.0 28.6#



#20
Methylene Chloride
Concen: 0.766 ug/l
RT: 3.038 min Scan# 528
Delta R.T. -0.013 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

Tgt Ion: 84 Resp: 2802
Ion Ratio Lower Upper
84 100
49 114.2 104.9 157.3
51 33.4 31.8 47.8
86 51.3 49.8 74.6





#29

Tetrahydrofuran

Concen: 0.900 ug/l

RT: 5.079 min Scan# 1163

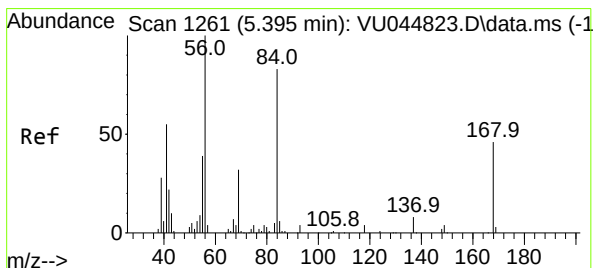
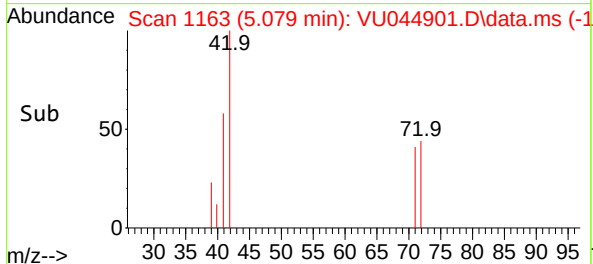
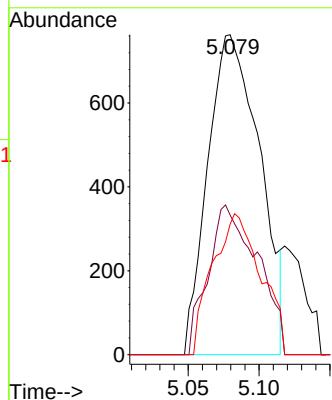
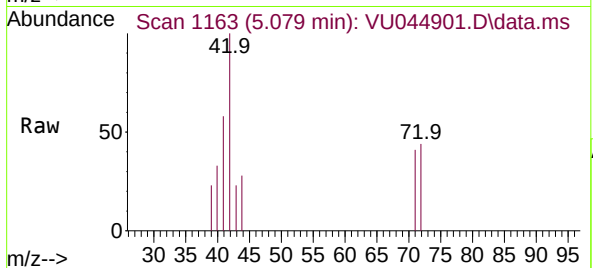
Delta R.T. 0.026 min

Lab File: VU044901.D

Acq: 27 Sep 2021 20:03

Instrument :
MSVOA_U
ClientSampleId :
OR-02-092121

Tgt Ion:	42	Resp:	1942
Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.2	54.4
71	41.1	34.1	51.1



#31

Cyclohexane

Concen: 1.085 ug/l

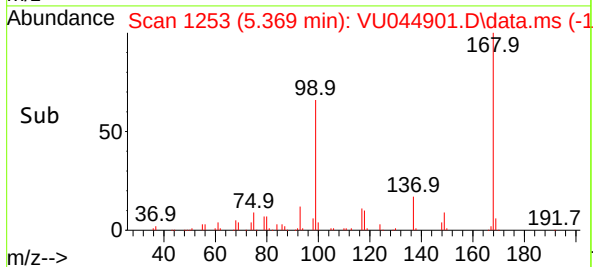
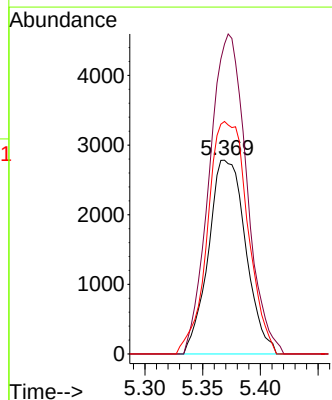
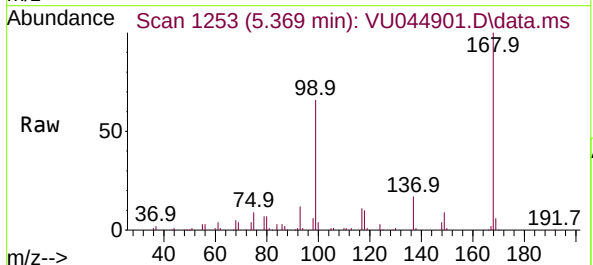
RT: 5.369 min Scan# 1253

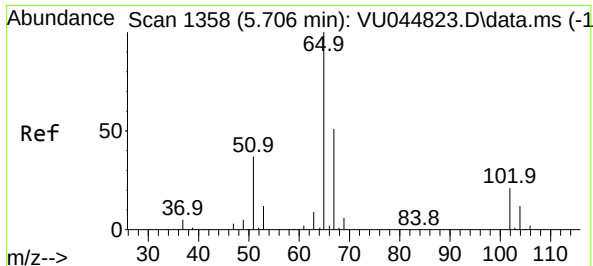
Delta R.T. -0.026 min

Lab File: VU044901.D

Acq: 27 Sep 2021 20:03

Tgt Ion:	56	Resp:	6240
Ion	Ratio	Lower	Upper
56	100		
69	159.9	25.2	37.8#
84	119.9	66.4	99.6#



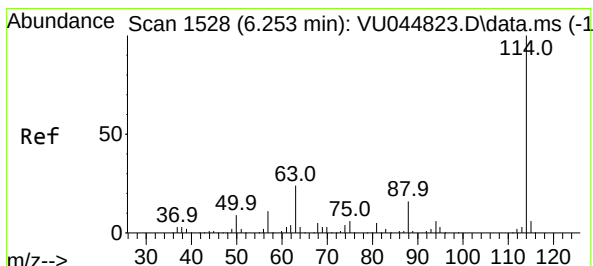
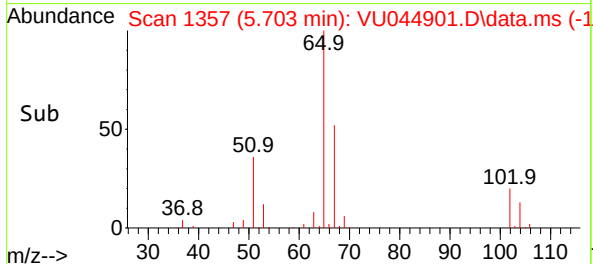
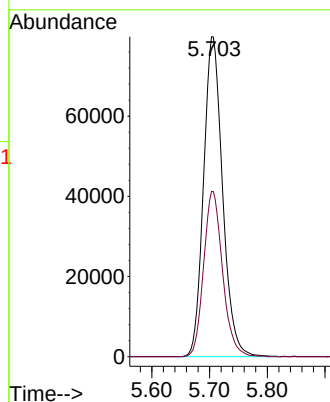
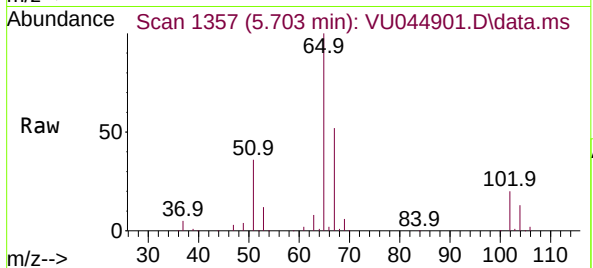


#33

1,2-Dichloroethane-d4
Concen: 45.600 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

Instrument :
MSVOA_U
ClientSampled :
OR-02-092121

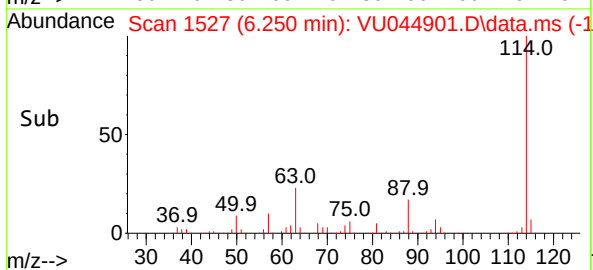
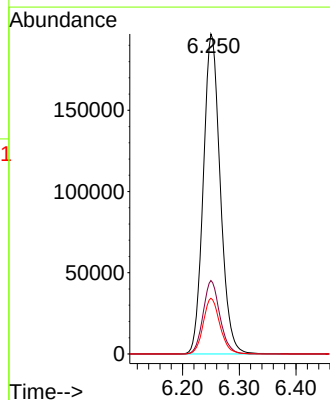
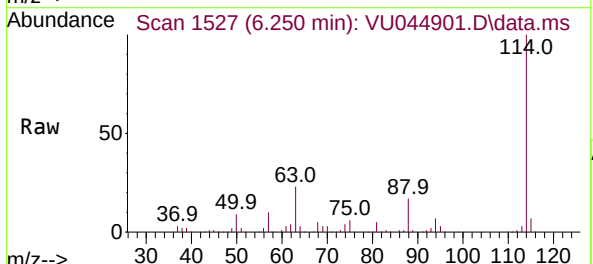
Tgt Ion: 65 Resp: 182667
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.8

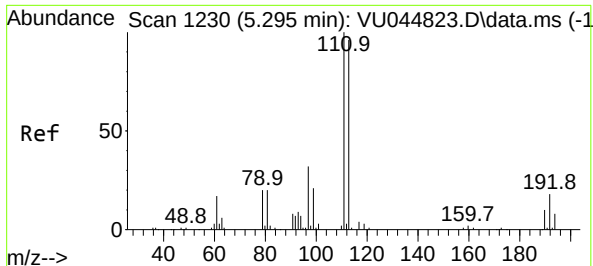


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 1527
Delta R.T. -0.003 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

Tgt Ion: 114 Resp: 409276
Ion Ratio Lower Upper
114 100
63 22.9 0.0 47.8
88 17.4 0.0 32.8

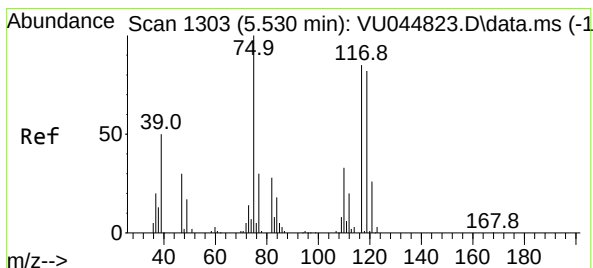
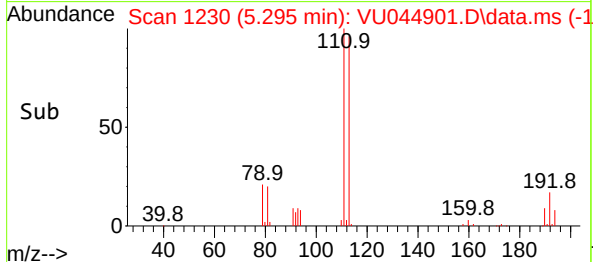
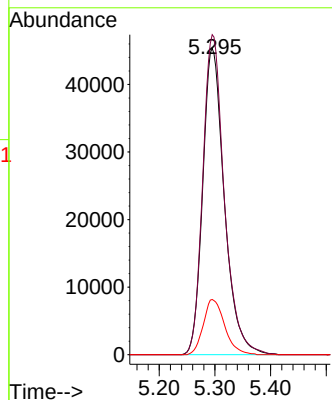
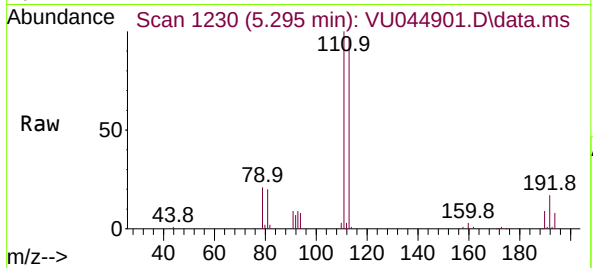




#35
Dibromofluoromethane
Concen: 43.619 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

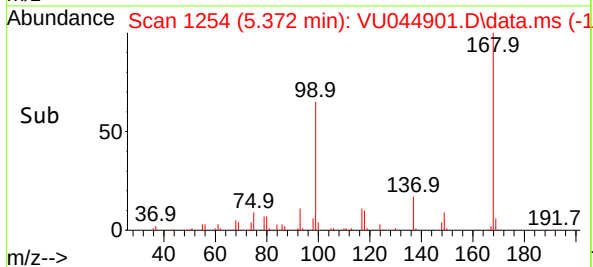
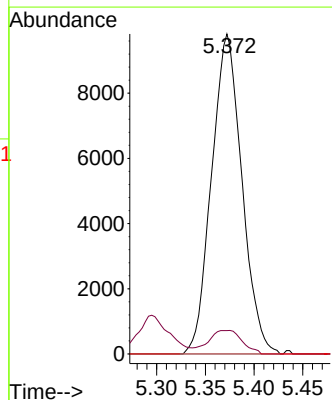
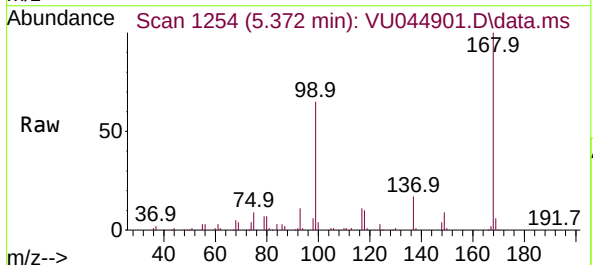
Instrument :
MSVOA_U
ClientSampleId :
OR-02-092121

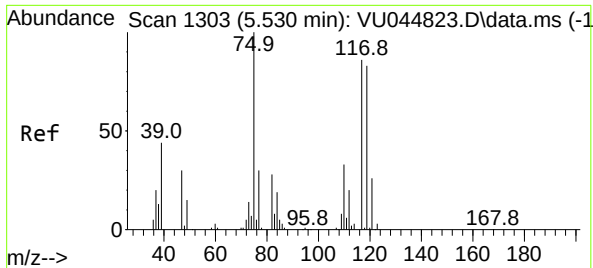
Tgt Ion:113 Resp: 122469
Ion Ratio Lower Upper
113 100
111 103.8 84.1 126.1
192 17.8 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.895 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.158 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

Tgt Ion: 75 Resp: 21258
Ion Ratio Lower Upper
75 100
110 8.0 16.3 48.9#
77 0.0 25.0 37.4#

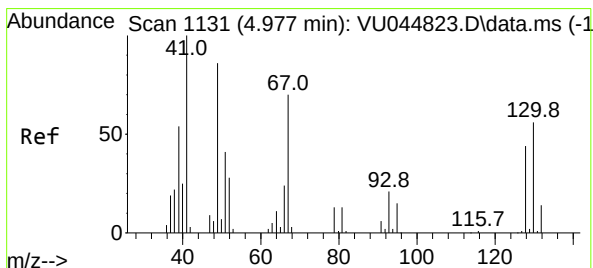
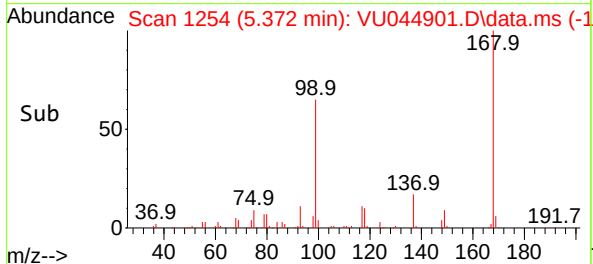
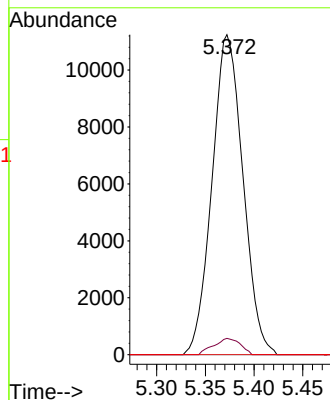
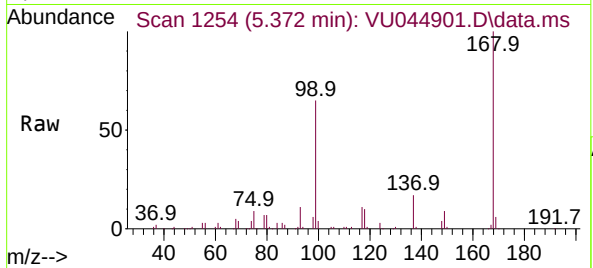




#38
Carbon Tetrachloride
Concen: 6.388 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.158 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

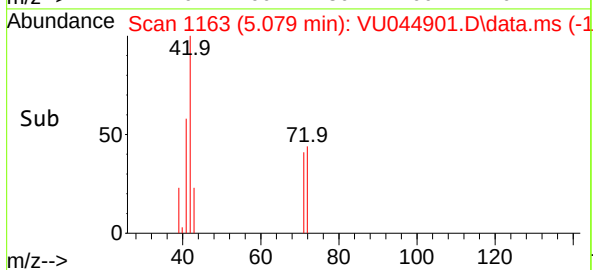
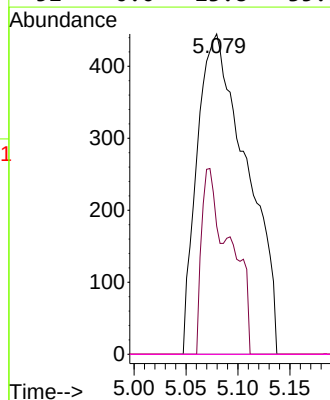
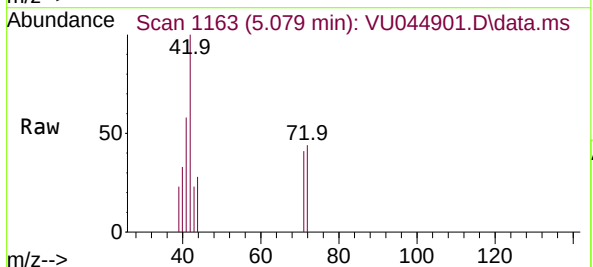
Instrument :
MSVOA_U
ClientSampleId :
OR-02-092121

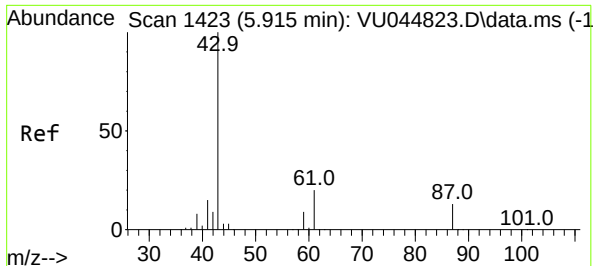
Tgt Ion: 117 Resp: 24799
Ion Ratio Lower Upper
117 100
119 5.1 77.4 116.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.464 ug/l
RT: 5.079 min Scan# 1163
Delta R.T. 0.103 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

Tgt Ion: 41 Resp: 1475
Ion Ratio Lower Upper
41 100
39 20.5 44.4 66.6#
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: 0.500 ug/l

RT: 5.983 min Scan# 1444

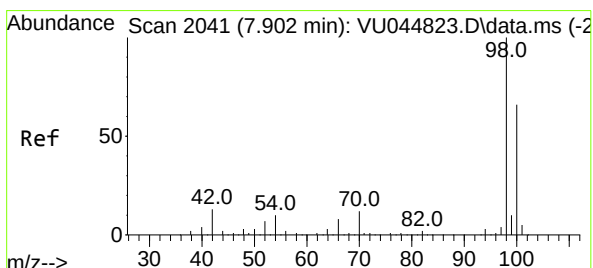
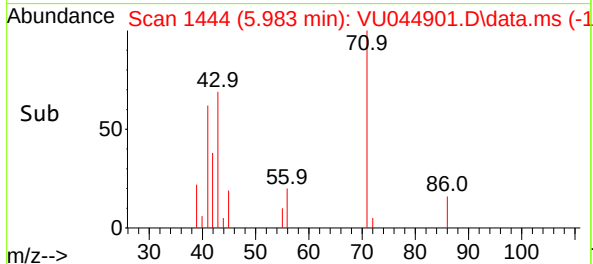
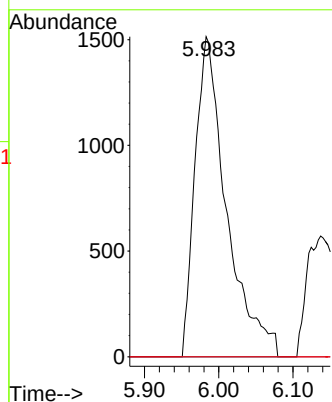
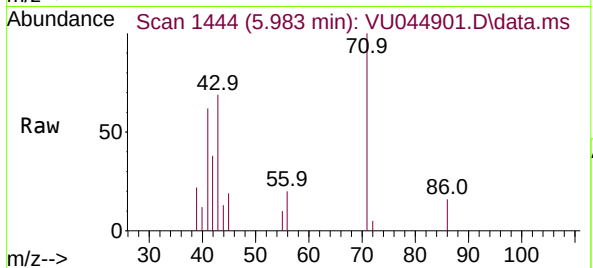
Delta R.T. 0.068 min

Lab File: VU044901.D

Acq: 27 Sep 2021 20:03

Tgt Ion:	43	Resp:	4454
Ion	Ratio	Lower	Upper
43	100		
61	0.0	16.1	24.1#
87	0.0	10.3	15.5#

Instrument :
MSVOA_U
ClientSampleId :
OR-02-092121



#50

Toluene-d8

Concen: 48.857 ug/l

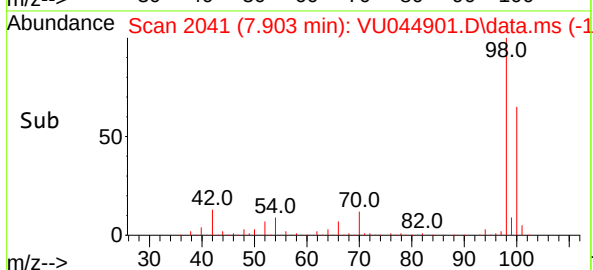
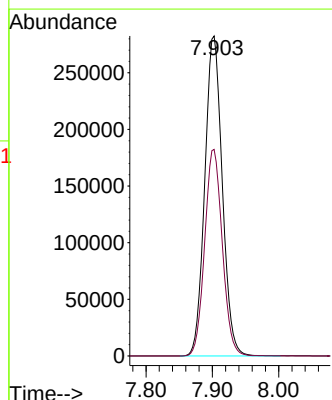
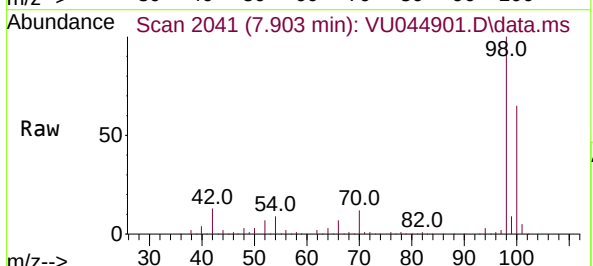
RT: 7.903 min Scan# 2041

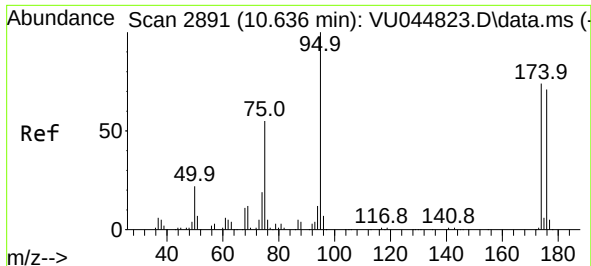
Delta R.T. 0.000 min

Lab File: VU044901.D

Acq: 27 Sep 2021 20:03

Tgt Ion:	98	Resp:	518087
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.5	78.7

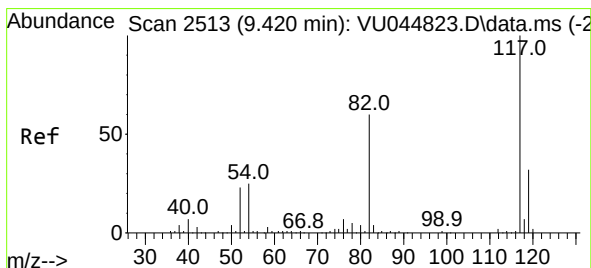
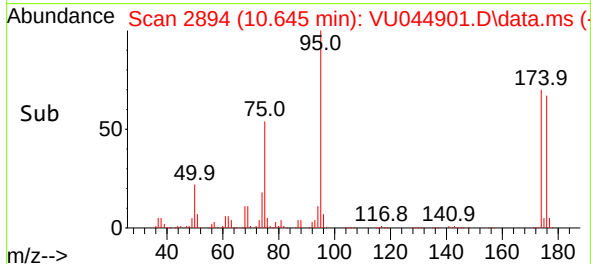
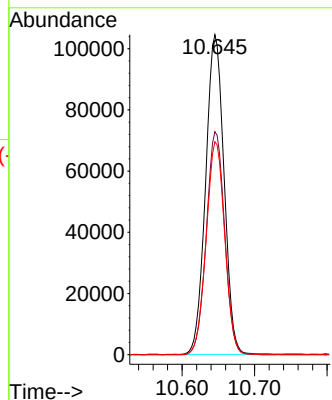
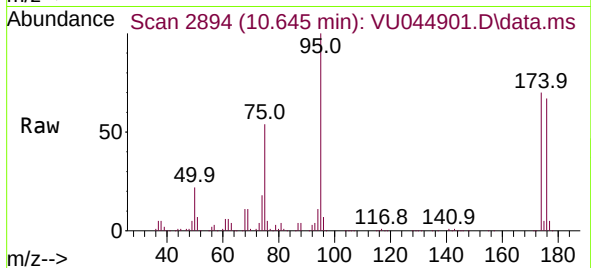




#62
4-Bromofluorobenzene
Concen: 46.702 ug/l
RT: 10.645 min Scan# 2894
Delta R.T. 0.010 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

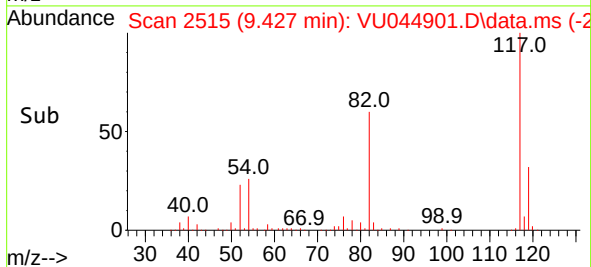
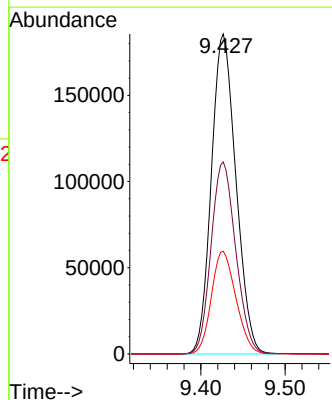
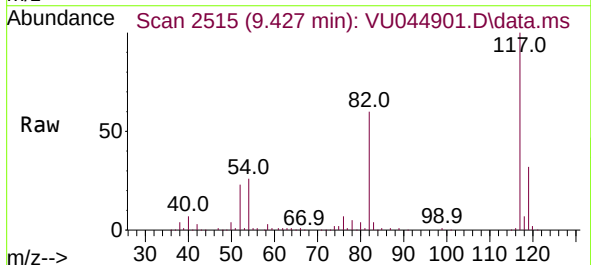
Instrument :
MSVOA_U
ClientSampleId :
OR-02-092121

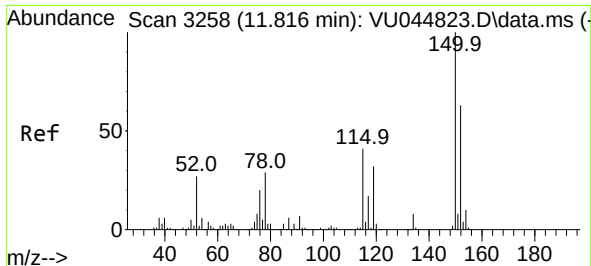
Tgt Ion: 95 Resp: 183940
Ion Ratio Lower Upper
95 100
174 69.5 0.0 146.6
176 67.2 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.427 min Scan# 2515
Delta R.T. 0.006 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

Tgt Ion: 117 Resp: 375809
Ion Ratio Lower Upper
117 100
82 60.0 47.8 71.8
119 32.1 25.8 38.6

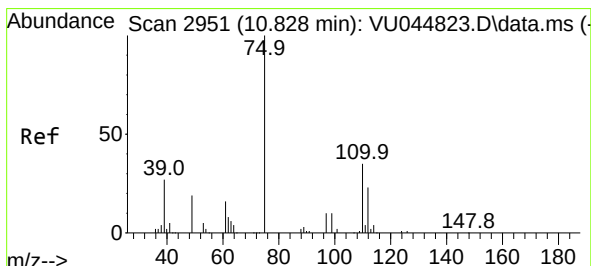
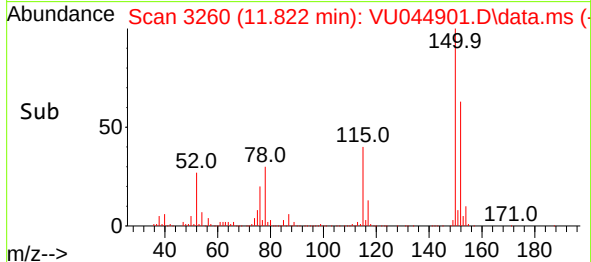
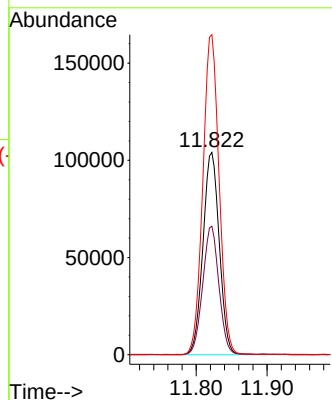
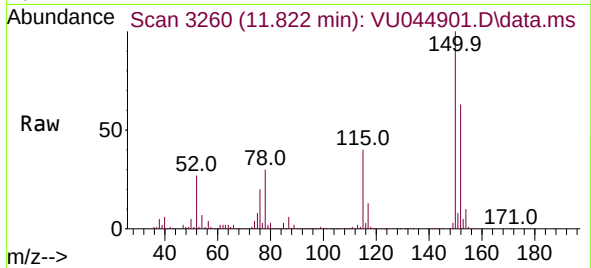




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.822 min Scan# 3260
 Delta R.T. 0.006 min
 Lab File: VU044901.D
 Acq: 27 Sep 2021 20:03

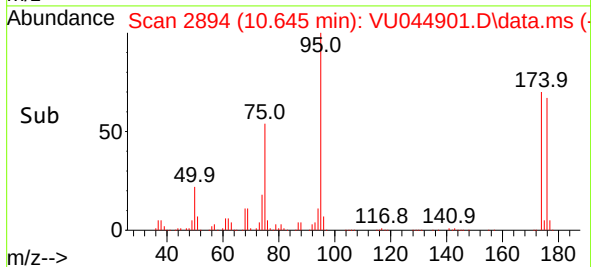
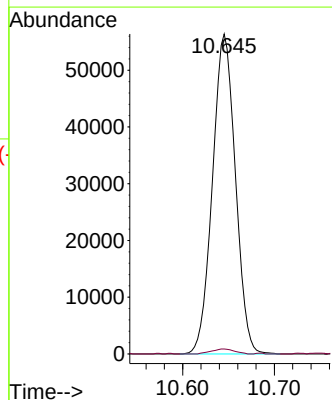
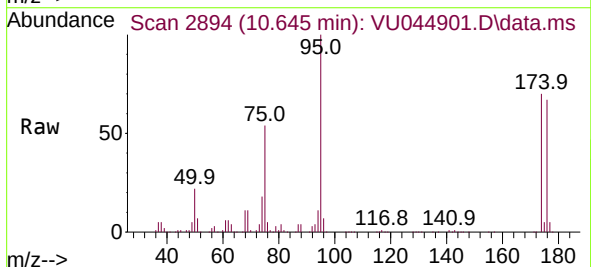
Instrument :
 MSVOA_U
 ClientSampled :
 OR-02-092121

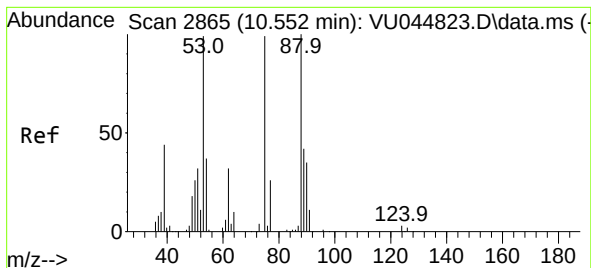
Tgt Ion:152 Resp: 166560
 Ion Ratio Lower Upper
 152 100
 115 62.6 43.5 130.7
 150 157.4 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.449 ug/l
 RT: 10.645 min Scan# 2894
 Delta R.T. -0.183 min
 Lab File: VU044901.D
 Acq: 27 Sep 2021 20:03

Tgt Ion: 75 Resp: 98094
 Ion Ratio Lower Upper
 75 100
 77 1.6 17.9 53.7#

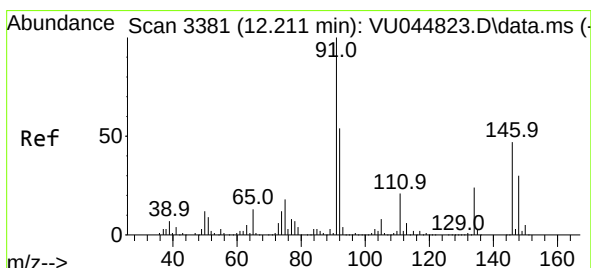
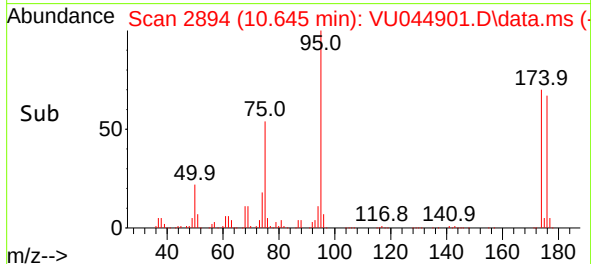
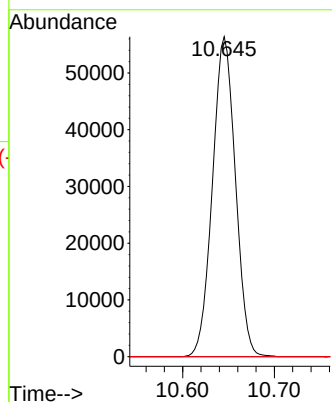
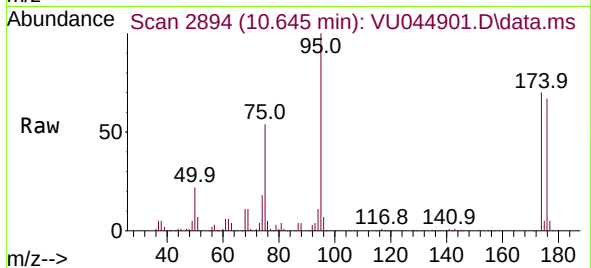




#81
trans-1,4-Dichloro-2-butene
Concen: 63.003 ug/l
RT: 10.645 min Scan# 2894
Delta R.T. 0.093 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

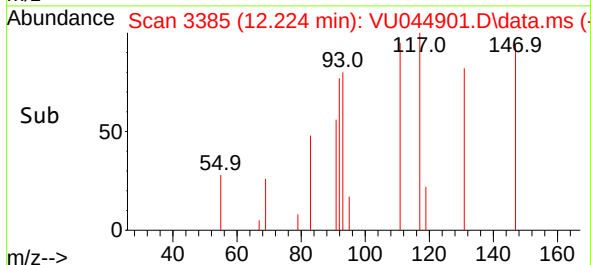
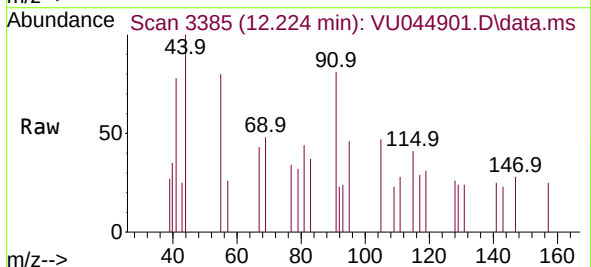
Instrument :
MSVOA_U
ClientSampleId :
OR-02-092121

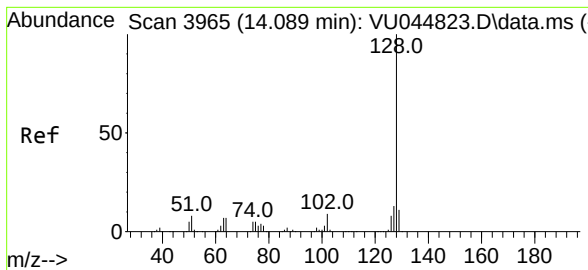
Tgt Ion: 75 Resp: 98094
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#89
n-Butylbenzene
Concen: 1.321 ug/l
RT: 12.224 min Scan# 3385
Delta R.T. 0.013 min
Lab File: VU044901.D
Acq: 27 Sep 2021 20:03

Tgt Ion: 91 Resp: 492
Ion Ratio Lower Upper
91 100
92 12.6 26.8 80.4#
134 0.0 11.8 35.4#





#95
 Naphthalene
 Concen: 1.387 ug/l
 RT: 14.092 min Scan# 3966
 Delta R.T. 0.003 min
 Lab File: VU044901.D
 Acq: 27 Sep 2021 20:03

Instrument :
 MSVOA_U
 ClientSampleId :
 OR-02-092121

Tgt Ion:	128	Resp:	5778
Ion	Ratio	Lower	Upper
128	100		
127	16.5	10.4	15.6#
129	10.9	8.6	13.0

