

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092024\
 Data File : VU060943.D
 Acq On : 20 Sep 2024 15:15
 Operator : MD/SY
 Sample : P3987-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 21 01:41:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 21 01:39:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	122225	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	125789	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	51736	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	51192	4.657	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.200%
7) Chloroethane-d5	1.911	69	37251	4.759	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.200%
11) 1,1-Dichloroethene-d2	2.560	65	17472	4.484	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.600%
20) 2-Butanone-d5	4.631	46	85845	48.642	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.280%
24) Chloroform-d	5.055	84	74998	4.463	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.695	65	39178	4.877	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.721	84	149172	4.425	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.682	67	50275	4.820	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.891	98	129455	4.212	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	8.177	79	17238	4.591	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.627	63	69007	46.589	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.180%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	38200	4.674	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	41467	4.770	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	117760	11.164	ug/L	95
8) Chloroethane	1.930	64	10866	1.686	ug/L	90
12) 1,1-Dichloroethene	2.576	96	265086	34.479	ug/L #	71
17) Methyl tert-butyl Ether	3.358	73	2775	0.160	ug/L #	92
18) trans-1,2-Dichloroethene	3.351	96	16796	2.108	ug/L	92
19) 1,1-Dichloroethane	3.859	63	234100	14.636	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	225106	25.531	ug/L	99
27) 1,2-Dichloroethane	5.795	62	12954	1.340	ug/L	99
34) Trichloroethene	6.534	95	178885	19.729	ug/L	98
35) Methylcyclohexane	6.682	83	11956	0.961	ug/L #	17
37) 1,2-Dichloropropane	6.795	63	2865	0.301	ug/L #	93
42) Toluene	7.968	91	10199	0.282	ug/L	94
45) 1,1,2-Trichloroethane	8.399	97	1074	0.156	ug/L #	69
53) m,p-Xylene	9.692	106	2151	0.149	ug/L	90
61) 1,2,3-Trichloropropane	11.807	75	6114	1.267	ug/L #	66
63) 1,2,4-Trimethylbenzene	11.470	105	1382	0.059	ug/L #	62

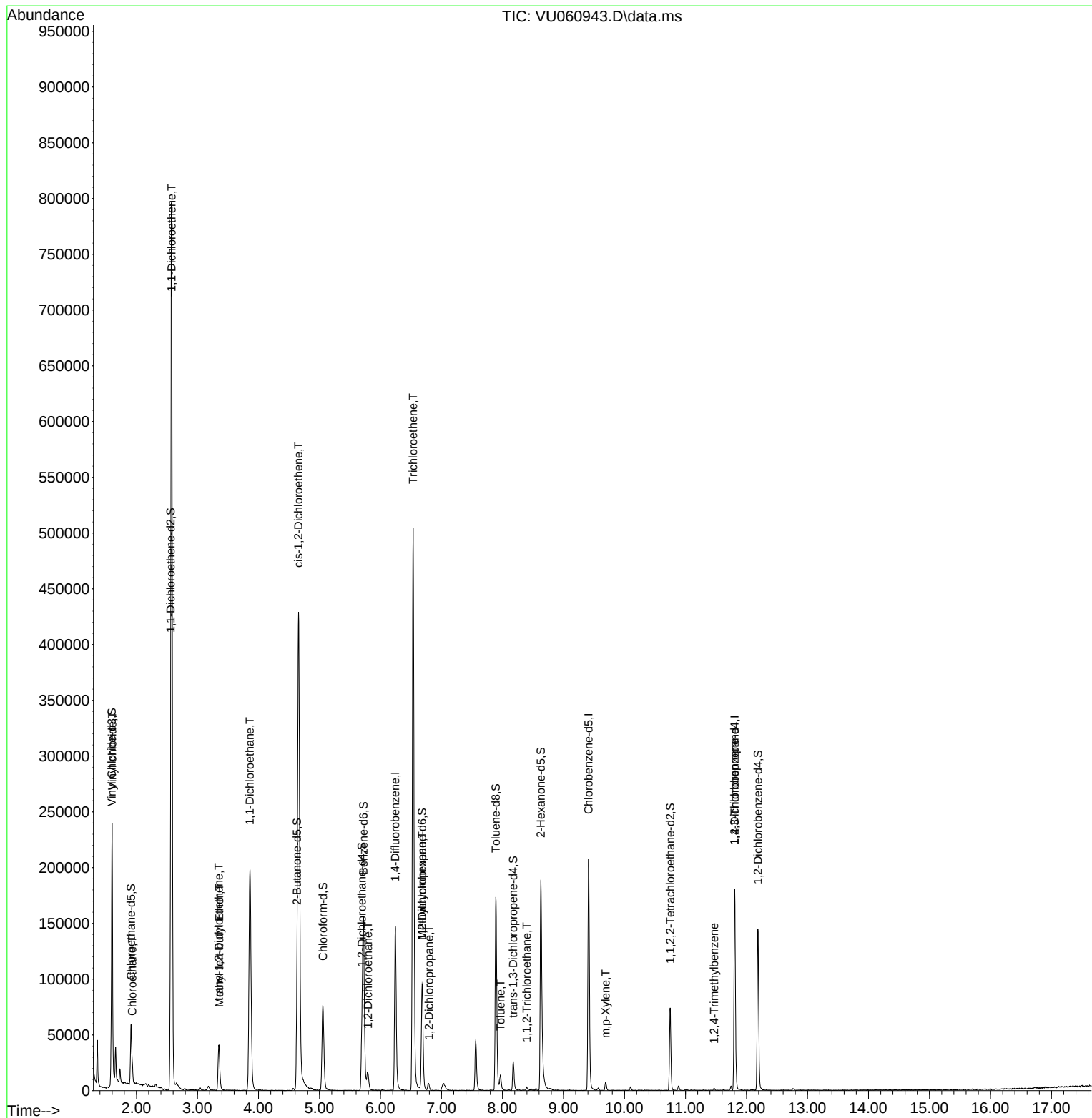
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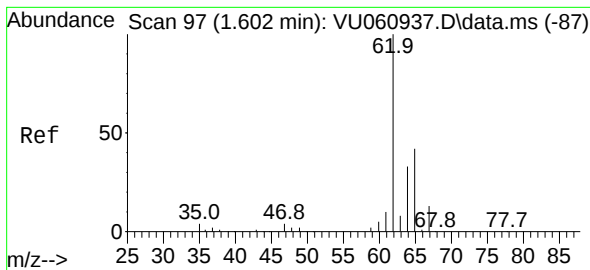
Instrument :
MSVOA_U
ClientSampleId :

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Sep 21 01:39:49 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 11.164 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU060943.D

Acq: 20 Sep 2024 15:15

Instrument :

MSVOA_U

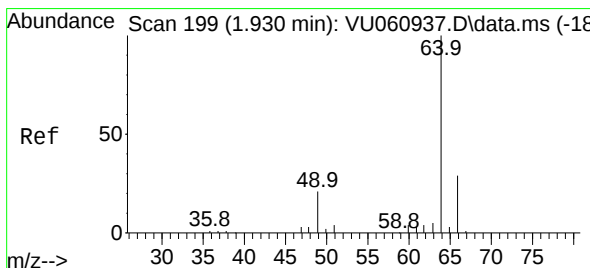
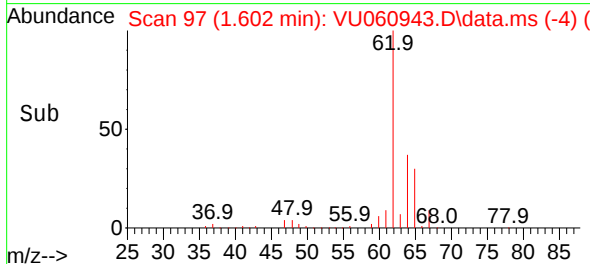
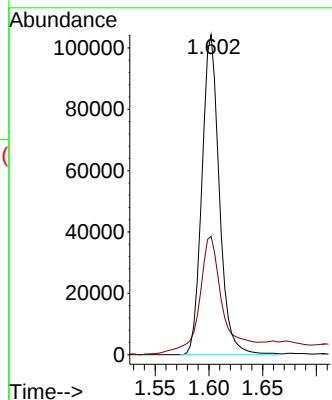
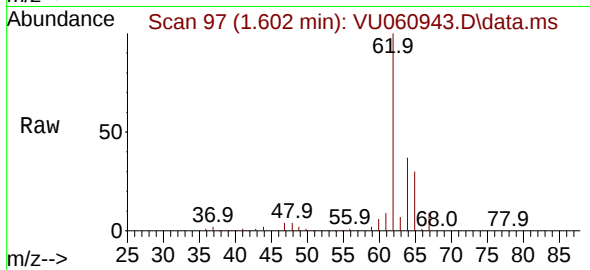
ClientSampleId :

Tgt Ion: 62 Resp: 117760

Ion Ratio Lower Upper

62 100

64 37.0 24.0 44.6



#8

Chloroethane

Concen: 1.686 ug/L

RT: 1.930 min Scan# 199

Delta R.T. -0.000 min

Lab File: VU060943.D

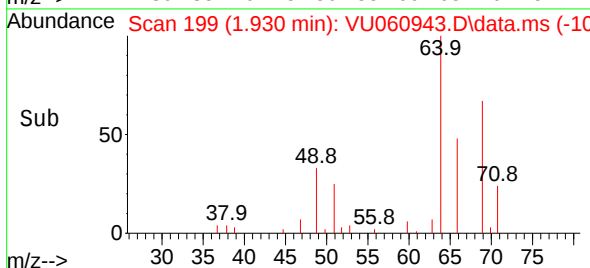
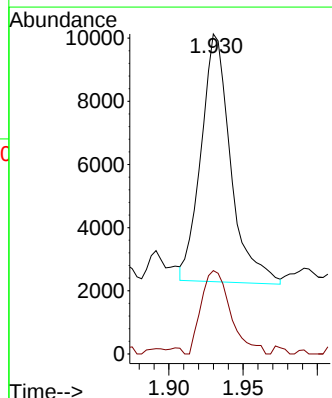
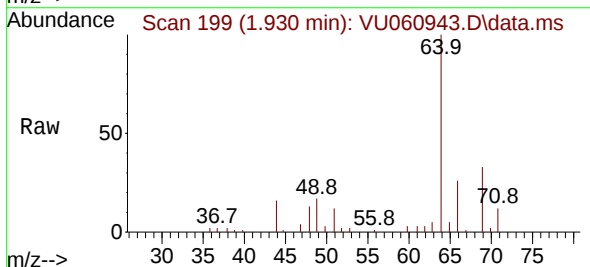
Acq: 20 Sep 2024 15:15

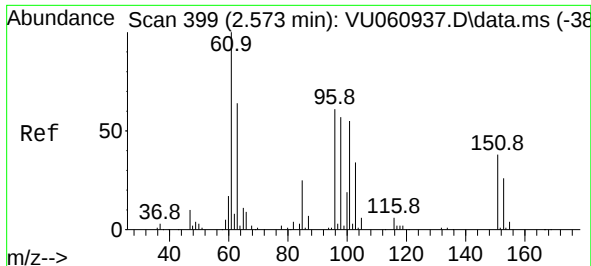
Tgt Ion: 64 Resp: 10866

Ion Ratio Lower Upper

64 100

66 26.0 22.3 41.3





#12

1,1-Dichloroethene

Concen: 34.479 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU060943.D

Acq: 20 Sep 2024 15:15

Instrument :

MSVOA_U

ClientSampleId :

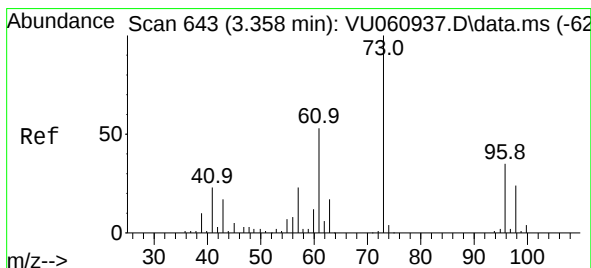
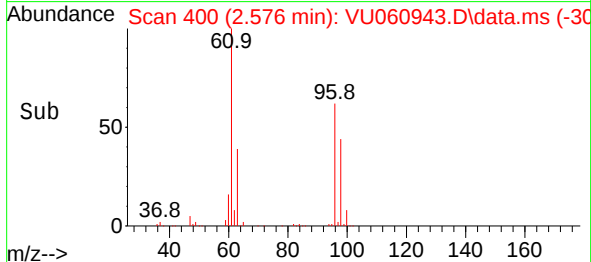
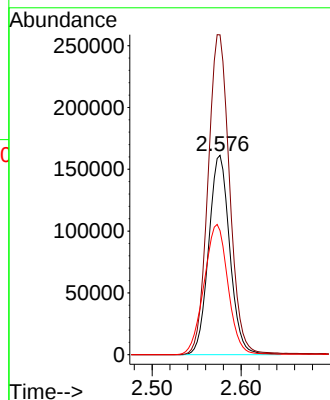
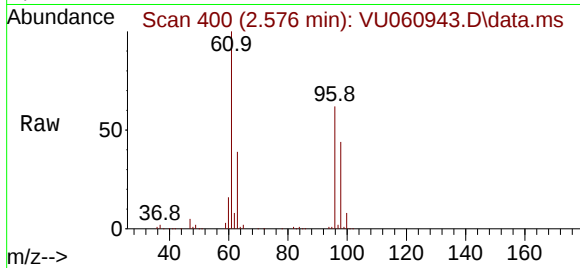
Tgt Ion: 96 Resp: 265086

Ion Ratio Lower Upper

96 100

61 160.4 120.7 224.1

63 62.2 90.0 167.2#



#17

Methyl tert-butyl Ether

Concen: 0.160 ug/L

RT: 3.358 min Scan# 643

Delta R.T. -0.000 min

Lab File: VU060943.D

Acq: 20 Sep 2024 15:15

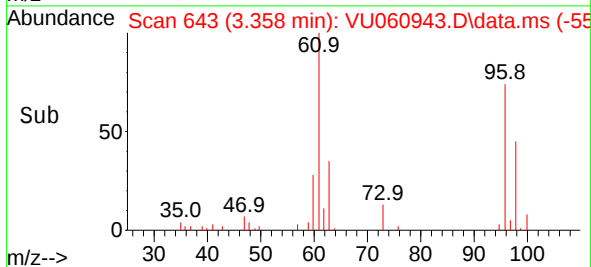
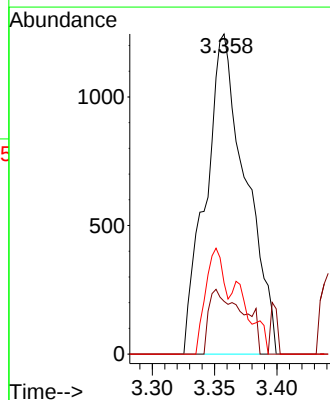
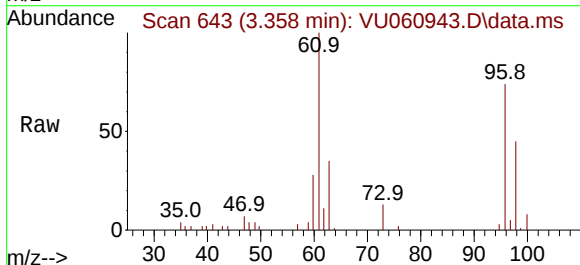
Tgt Ion: 73 Resp: 2775

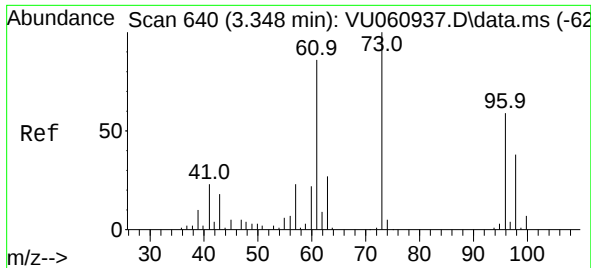
Ion Ratio Lower Upper

73 100

43 17.1 13.8 20.8

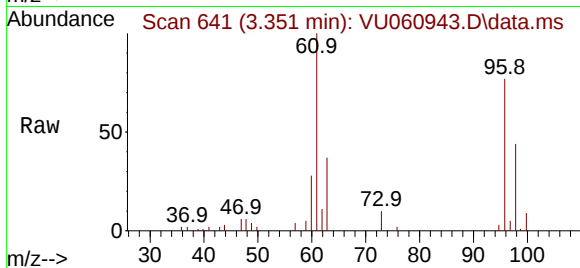
57 15.9 18.0 27.0#





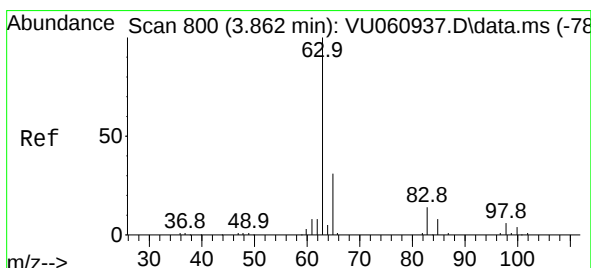
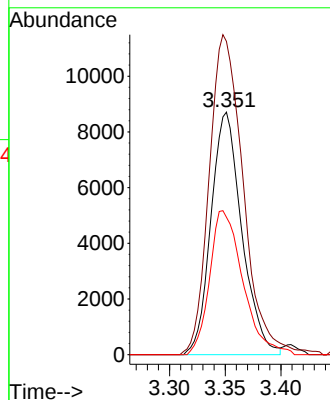
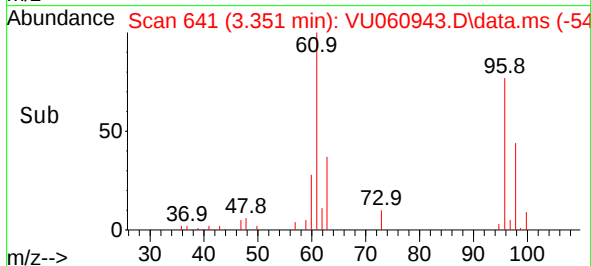
#18
trans-1,2-Dichloroethene
Concen: 2.108 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU060943.D
Acq: 20 Sep 2024 15:15

Instrument :
MSVOA_U
ClientSampleId :

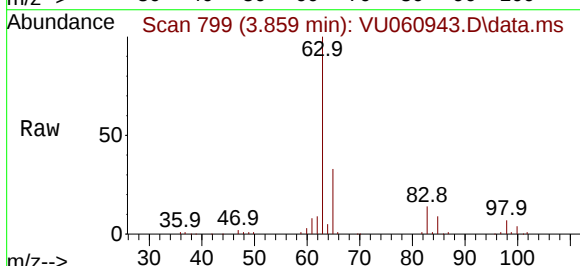


Tgt Ion: 96 Resp: 16796

Ion	Ratio	Lower	Upper
96	100		
61	129.2	97.2	180.6
98	56.7	43.3	80.5

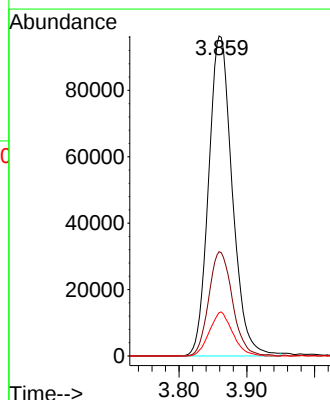
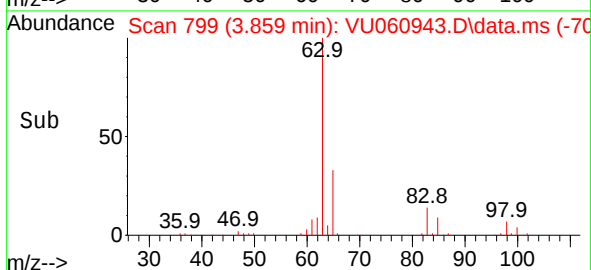


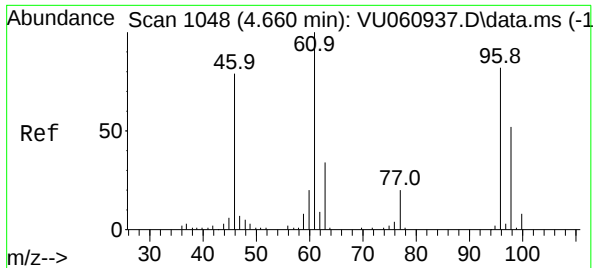
#19
1,1-Dichloroethane
Concen: 14.636 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU060943.D
Acq: 20 Sep 2024 15:15



Tgt Ion: 63 Resp: 234100

Ion	Ratio	Lower	Upper
63	100		
65	33.3	23.0	42.8
83	13.6	9.0	16.6

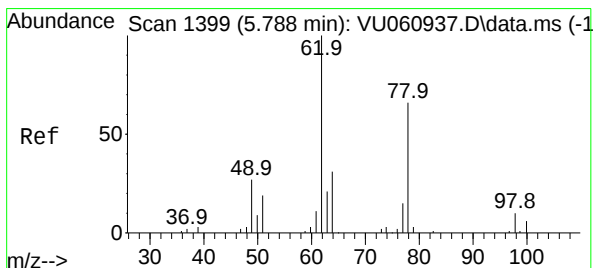
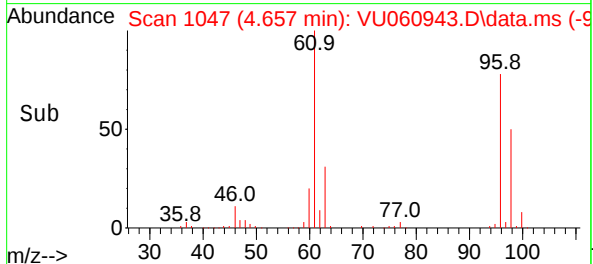
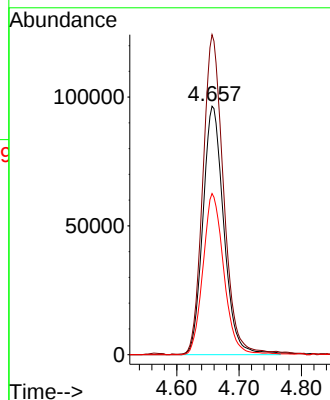
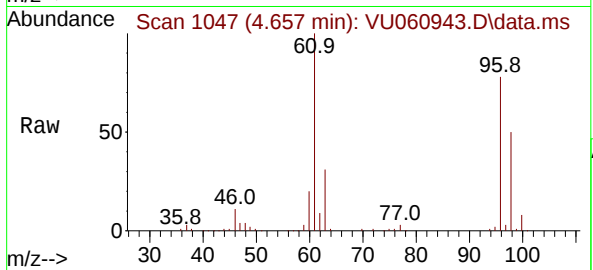




#22
 cis-1,2-Dichloroethene
 Concen: 25.531 ug/L
 RT: 4.657 min Scan# 1
 Delta R.T. -0.003 min
 Lab File: VU060943.D
 Acq: 20 Sep 2024 15:15

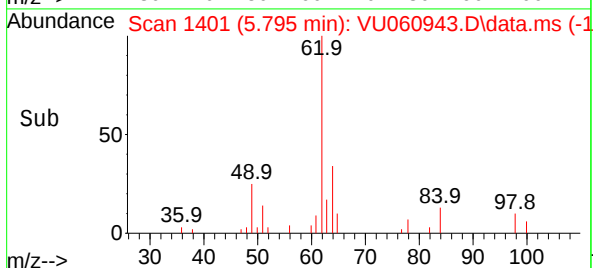
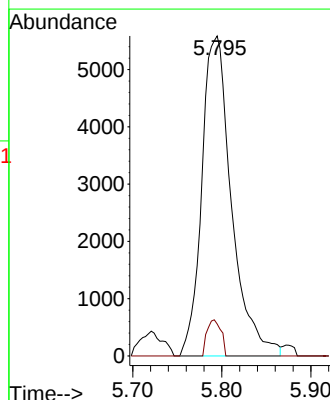
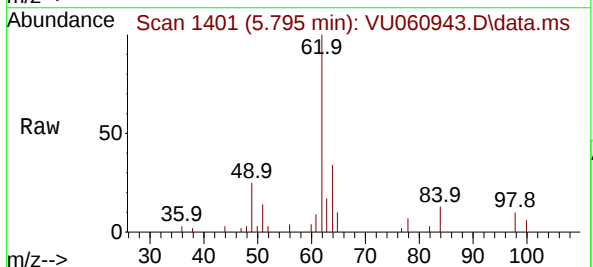
Instrument :
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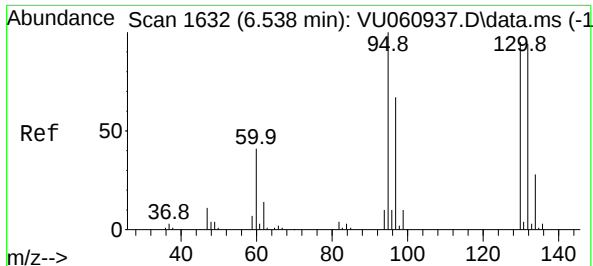
Tgt Ion: 96 Resp: 225106
 Ion Ratio Lower Upper
 96 100
 61 128.8 89.7 166.5
 98 64.9 45.1 83.9



#27
 1,2-Dichloroethane
 Concen: 1.340 ug/L
 RT: 5.795 min Scan# 1401
 Delta R.T. 0.006 min
 Lab File: VU060943.D
 Acq: 20 Sep 2024 15:15

Tgt Ion: 62 Resp: 12954
 Ion Ratio Lower Upper
 62 100
 98 10.0 8.2 12.4





#34

Trichloroethene

Concen: 19.729 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU060943.D

Acq: 20 Sep 2024 15:15

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 178885

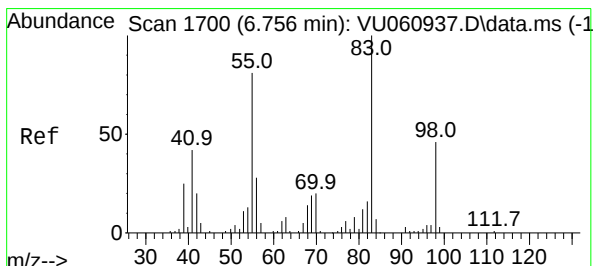
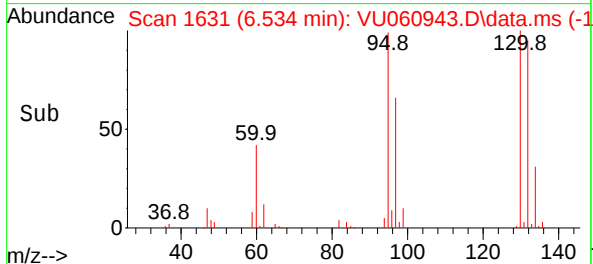
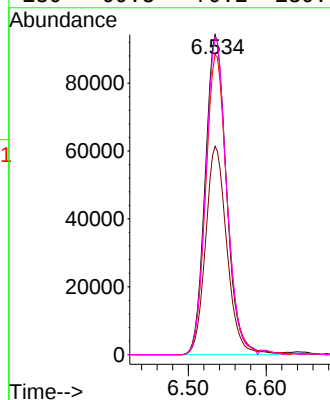
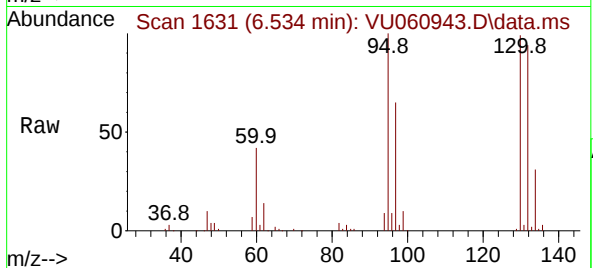
Ion Ratio Lower Upper

95 100

97 65.1 44.9 83.5

132 93.8 63.5 117.9

130 99.3 70.2 130.4



#35

Methylcyclohexane

Concen: 0.961 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU060943.D

Acq: 20 Sep 2024 15:15

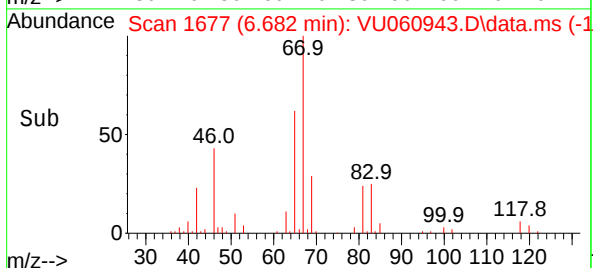
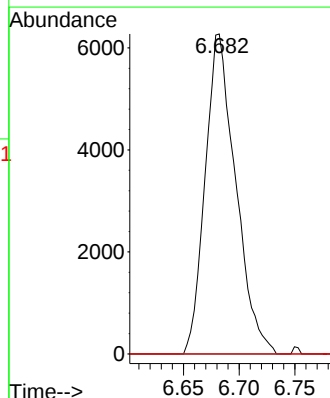
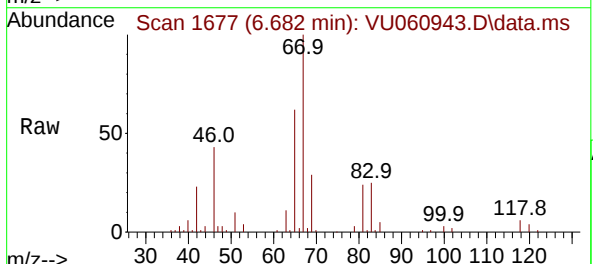
Tgt Ion: 83 Resp: 11956

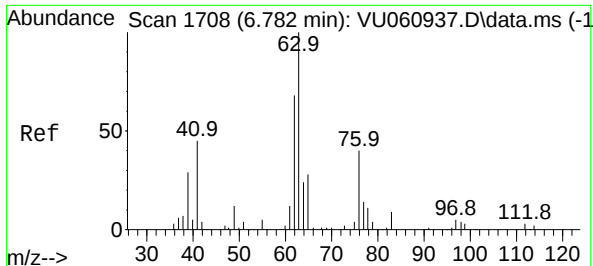
Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

98 0.0 37.6 56.4#

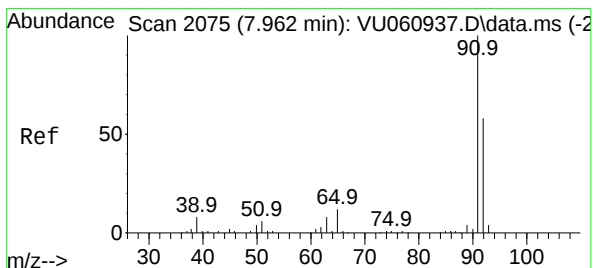
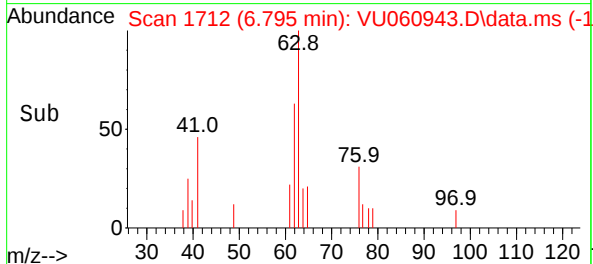
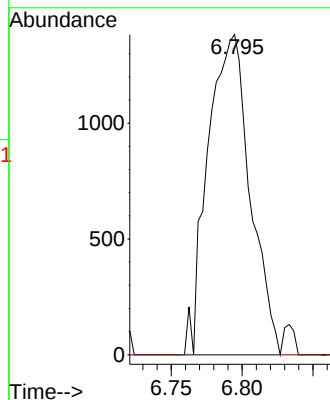
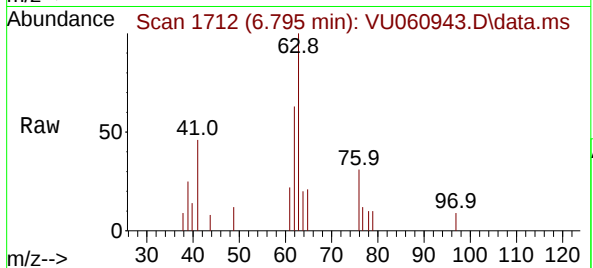




#37
1,2-Dichloropropane
Concen: 0.301 ug/L
RT: 6.795 min Scan# 1
Delta R.T. 0.013 min
Lab File: VU060943.D
Acq: 20 Sep 2024 15:15

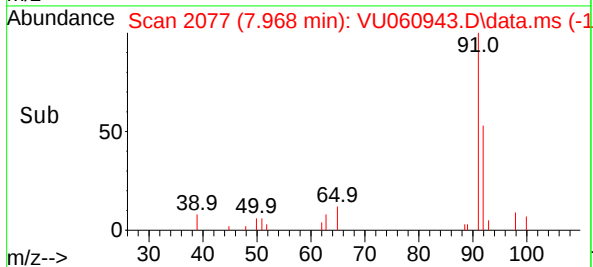
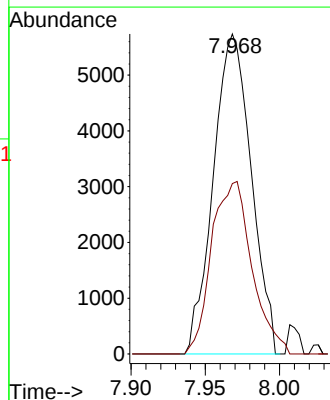
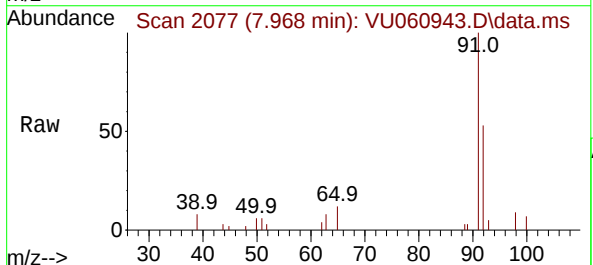
Instrument :
MSVOA_U
ClientSampleId :

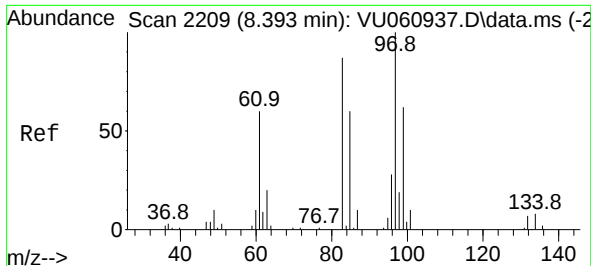
Tgt Ion: 63 Resp: 2865
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#42
Toluene
Concen: 0.282 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.006 min
Lab File: VU060943.D
Acq: 20 Sep 2024 15:15

Tgt Ion: 91 Resp: 10199
Ion Ratio Lower Upper
91 100
92 53.3 40.5 75.3

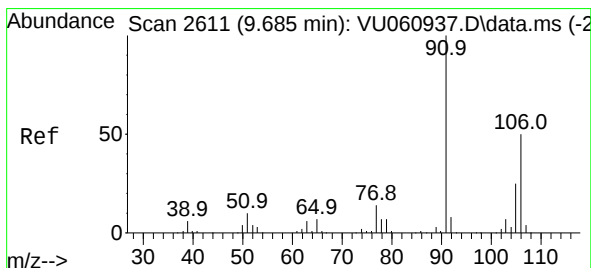
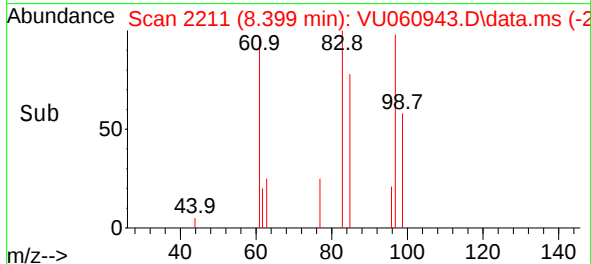
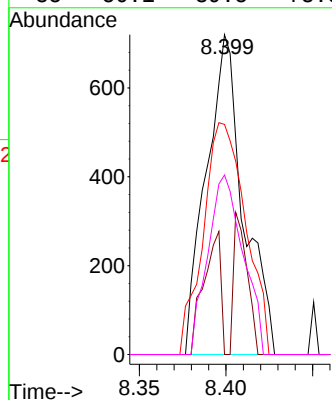
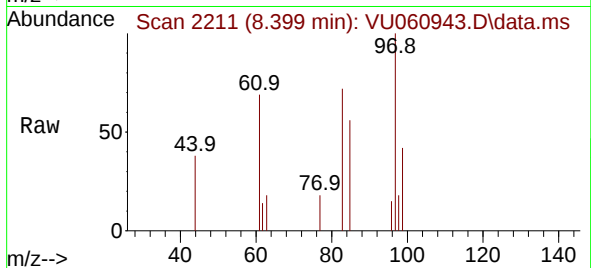




#45
1,1,2-Trichloroethane
Concen: 0.156 ug/L
RT: 8.399 min Scan# 211
Delta R.T. 0.006 min
Lab File: VU060943.D
Acq: 20 Sep 2024 15:15

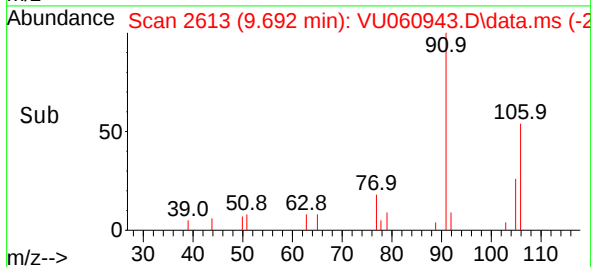
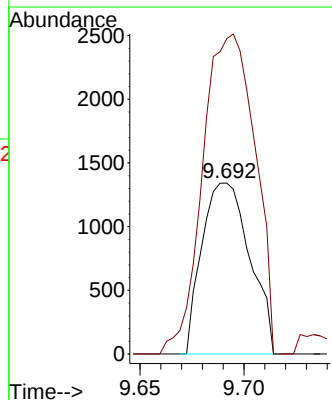
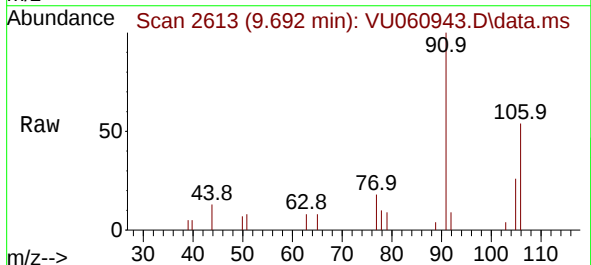
Instrument :
MSVOA_U
ClientSampleId :

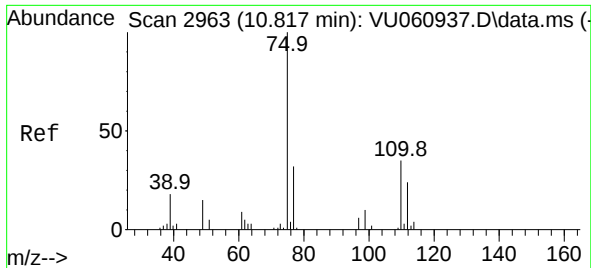
Tgt Ion: 97	Resp: 1074
Ion Ratio	Lower Upper
97 100	
99 0.0	42.3 78.5#
83 71.9	61.7 114.5
85 56.1	39.5 73.3



#53
m,p-Xylene
Concen: 0.149 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU060943.D
Acq: 20 Sep 2024 15:15

Tgt	Ion:106	Resp:	2151
Ion	Ratio	Lower	Upper
106	100		
91	184.4	139.7	259.4

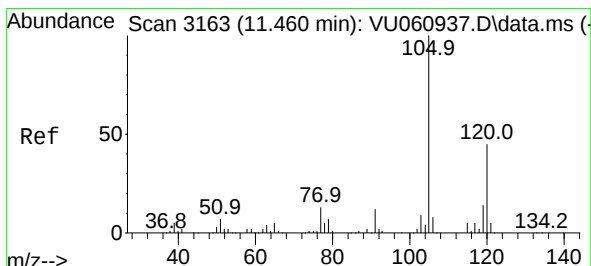
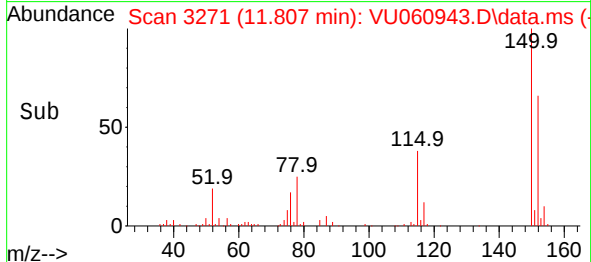
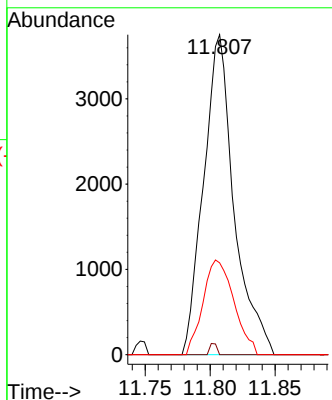
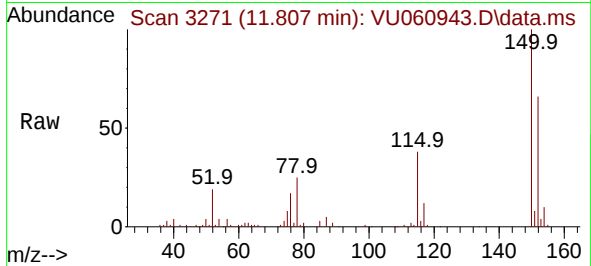




#61
1,2,3-Trichloropropane
Concen: 1.267 ug/L
RT: 11.807 min Scan# 3166
Delta R.T. 0.990 min
Lab File: VU060943.D
Acq: 20 Sep 2024 15:15

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 6114
Ion Ratio Lower Upper
75 100
110 0.8 28.6 43.0#
77 30.0 26.3 39.5



#63
1,2,4-Trimethylbenzene
Concen: 0.059 ug/L
RT: 11.470 min Scan# 3166
Delta R.T. 0.010 min
Lab File: VU060943.D
Acq: 20 Sep 2024 15:15

Tgt Ion:105 Resp: 1382
Ion Ratio Lower Upper
105 100
120 20.5 36.1 54.1#

