

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081322\
 Data File : VW027373.D
 Acq On : 13 Aug 2022 17:11
 Operator : SY/MD
 Sample : N4115-18
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 13 21:53:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 13 21:49:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	150545	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	160718	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	72236	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	50868	3.889	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.800%
7) Chloroethane-d5	1.561	69	40321	4.245	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.800%
11) 1,1-Dichloroethene-d2	2.223	63	5214	0.220	ug/L	0.12
Spiked Amount	5.000	Range	60 - 125	Recovery	=	4.400%#
20) 2-Butanone-d5	3.883	46	193286	87.259	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	174.520%#
24) Chloroform-d	4.342	84	124988	5.211	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
26) 1,2-Dichloroethane-d4	5.027	65	64548	5.648	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.000%
32) Benzene-d6	5.043	84	204355	4.310	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
36) 1,2-Dichloropropane-d6	6.066	67	76682	5.231	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.600%
41) Toluene-d8	7.313	98	160369	3.695	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.800%
43) trans-1,3-Dichloroprop...	7.622	79	22061	4.345	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.800%
46) 2-Hexanone-d5	8.088	63	146636	74.622	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	149.240%#
56) 1,1,2,2-Tetrachloroeth...	10.213	84	69820	6.584	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	131.600%#
66) 1,2-Dichlorobenzene-d4	11.622	152	72371	5.805	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1053	0.059	ug/L	98
5) Vinyl chloride	1.307	62	22906	1.372	ug/L #	80
6) Bromomethane	1.519	94	683	0.088	ug/L	97
8) Chloroethane	1.368	64	138578	14.932	ug/L #	51
14) Carbon disulfide	2.288	76	4909	0.113	ug/L #	92
18) trans-1,2-Dichloroethene	2.757	96	1995	0.150	ug/L	88
22) cis-1,2-Dichloroethene	3.905	96	18978	1.447	ug/L	98
25) Chloroform	4.374	83	9132	0.348	ug/L	96
33) Benzene	5.098	78	19380	0.353	ug/L	100
35) Methylcyclohexane	6.066	83	18492	0.982	ug/L #	16
48) 2-Hexanone	8.088	43	20847	4.146	ug/L #	69
49) Dibromochloromethane	7.972	129	290	0.026	ug/L #	10
51) Chlorobenzene	8.889	112	3335	0.093	ug/L	90
52) Ethylbenzene	9.014	91	5977	0.109	ug/L	94
53) m,p-Xylene	9.140	106	8801	0.419	ug/L	92
54) o-Xylene	9.548	106	2663	0.130	ug/L	88
60) Isopropylbenzene	10.747	105	2196	0.048	ug/L	94
61) 1,2,3-Trichloropropane	11.246	75	8878	1.276	ug/L #	63
62) 1,3,5-Trimethylbenzene	10.541	105	1996	0.159	ug/L	88

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 13 21:49:38 2022
Response via : Initial Calibration

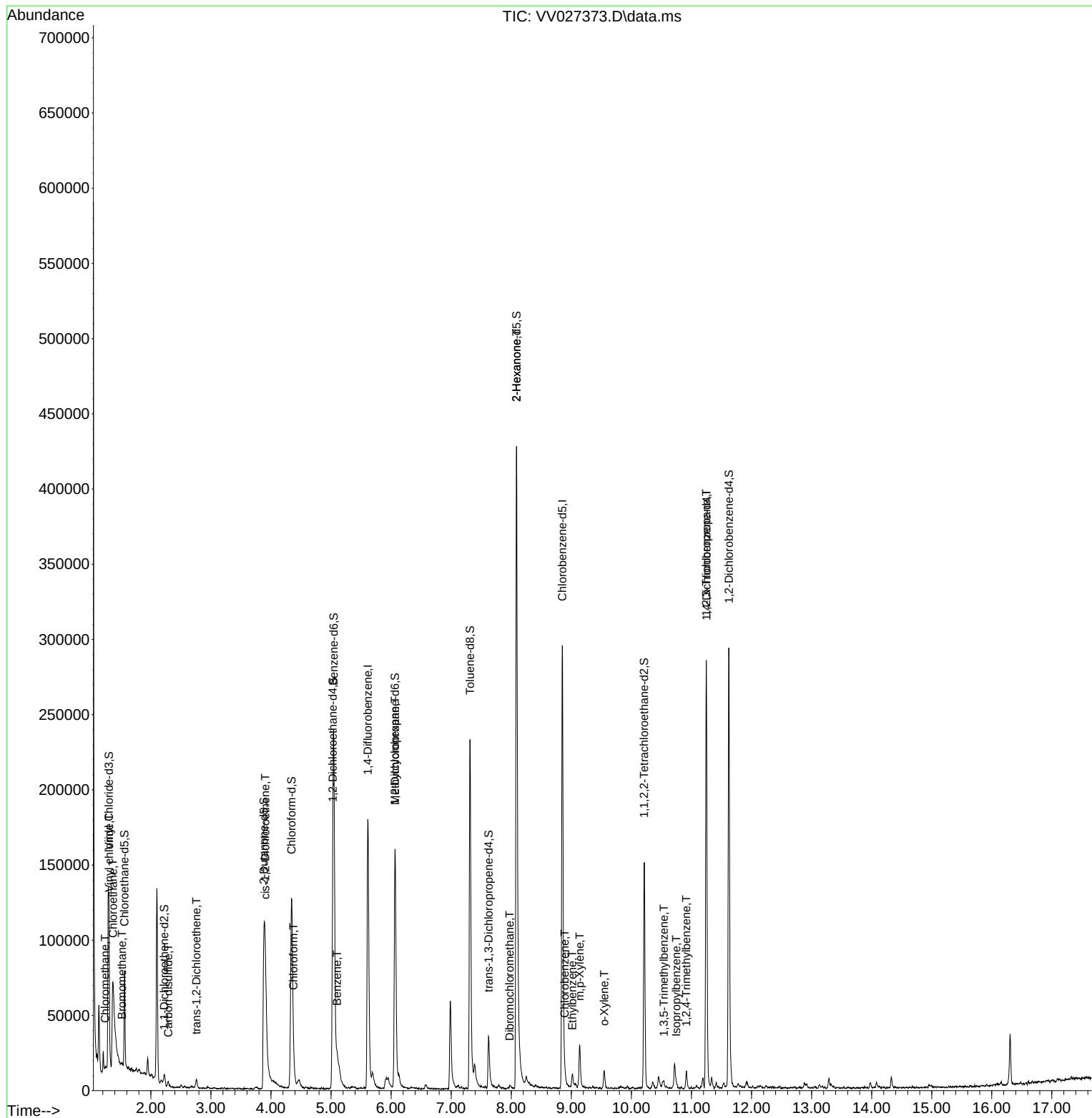
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.914	105	5615	0.156 ug/L	96

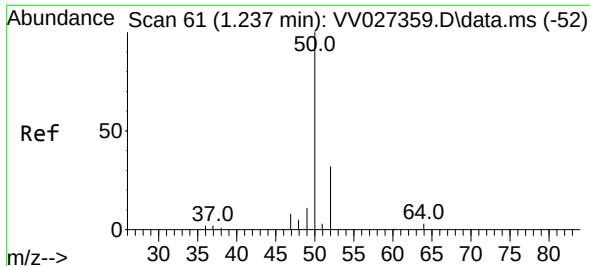
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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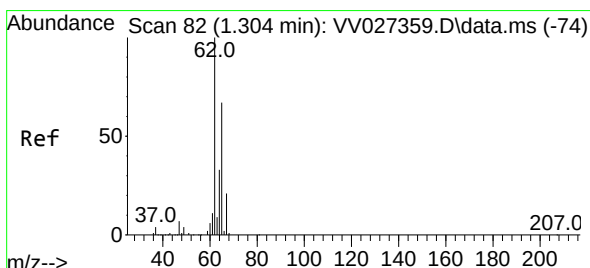
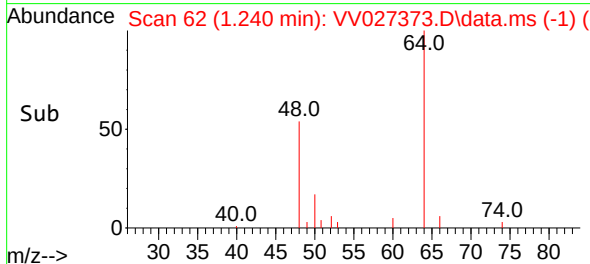
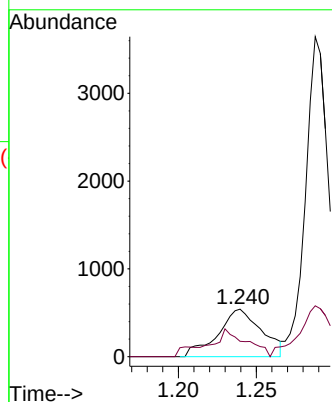
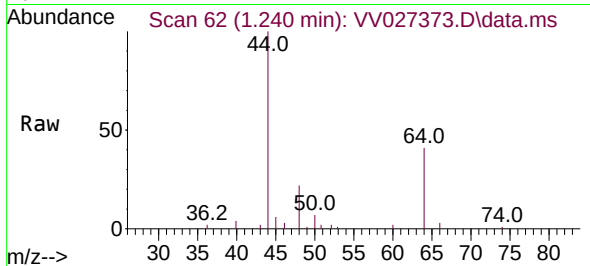




#3
Chloromethane
Concen: 0.059 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

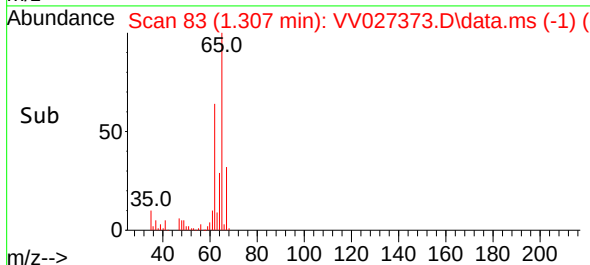
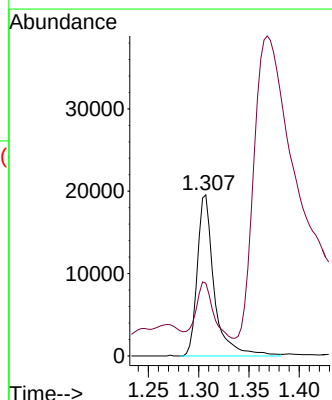
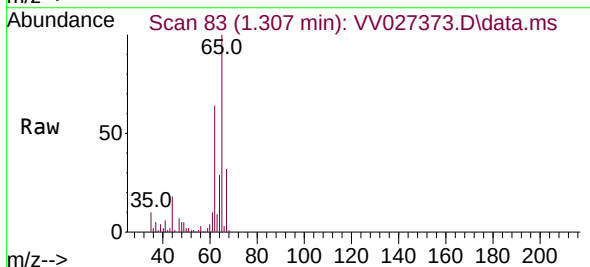
Instrument :
MSVOA_V
ClientSampleId :

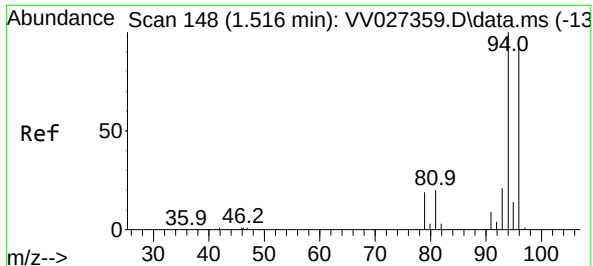
Tgt Ion: 50 Resp: 1053
Ion Ratio Lower Upper
50 100
52 32.3 23.4 43.4



#5
Vinyl chloride
Concen: 1.372 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

Tgt Ion: 62 Resp: 22906
Ion Ratio Lower Upper
62 100
64 45.2 23.7 44.1#

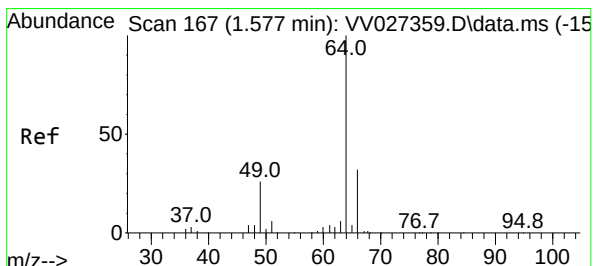
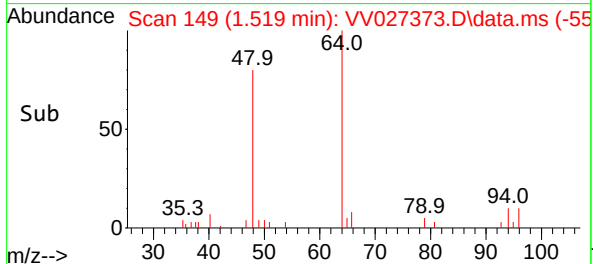
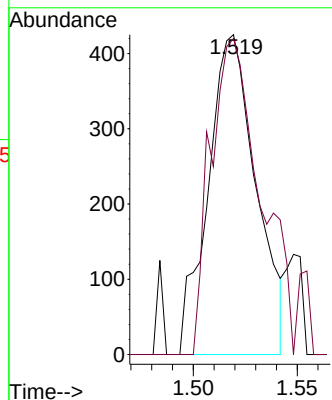
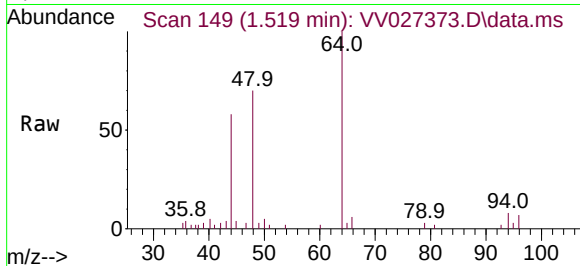




#6
Bromomethane
Concen: 0.088 ug/L
RT: 1.519 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

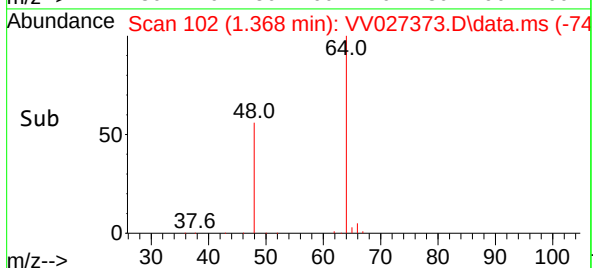
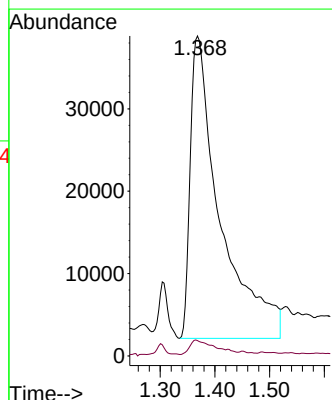
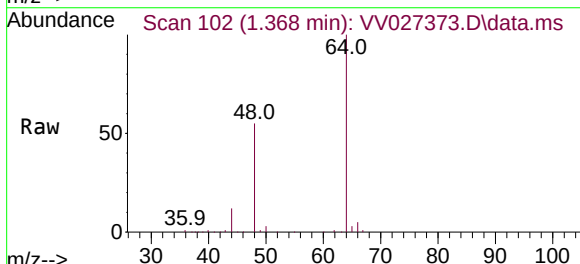
Instrument :
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ClientSampleId :

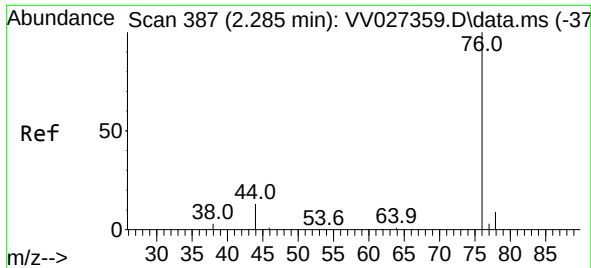
Tgt Ion: 94 Resp: 683
Ion Ratio Lower Upper
94 100
96 98.8 67.2 124.8



#8
Chloroethane
Concen: 14.932 ug/L
RT: 1.368 min Scan# 102
Delta R.T. -0.209 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

Tgt Ion: 64 Resp: 138578
Ion Ratio Lower Upper
64 100
66 4.8 22.3 41.5#

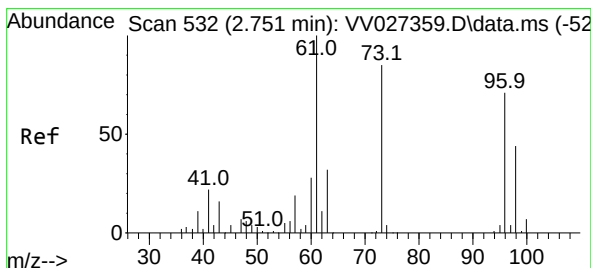
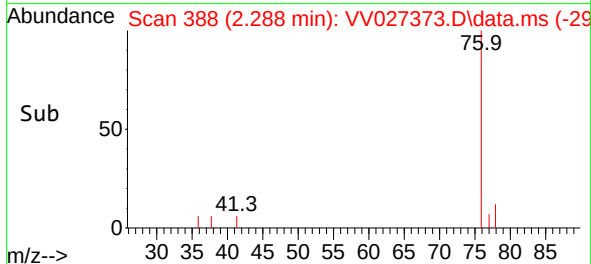
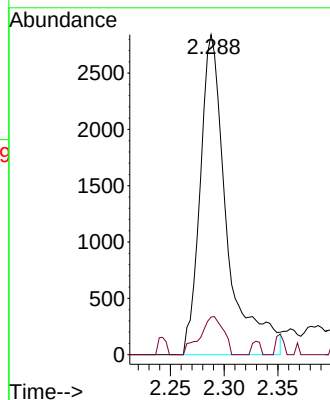
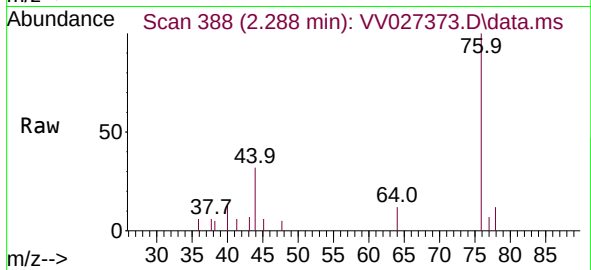




#14
Carbon disulfide
Concen: 0.113 ug/L
RT: 2.288 min Scan# 387
Delta R.T. 0.003 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

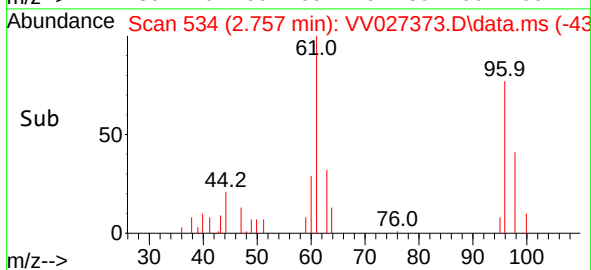
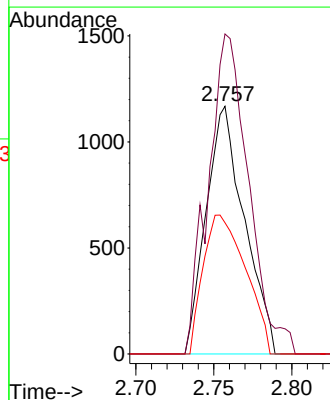
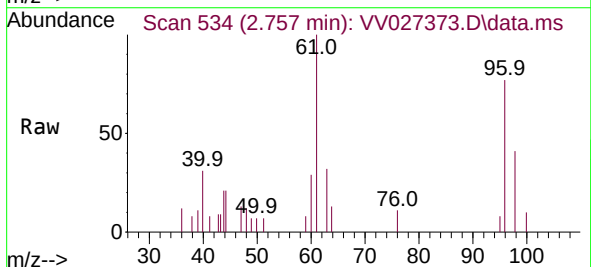
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MSVOA_V
ClientSampleId :

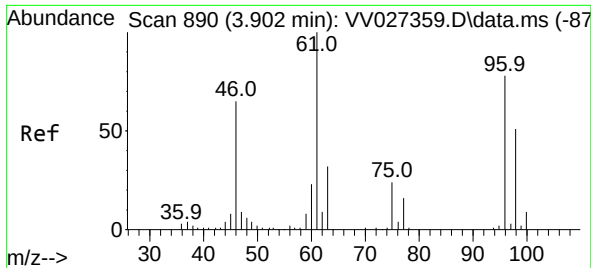
Tgt Ion: 76 Resp: 4909
Ion Ratio Lower Upper
76 100
78 11.8 7.2 10.8#



#18
trans-1,2-Dichloroethene
Concen: 0.150 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.006 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

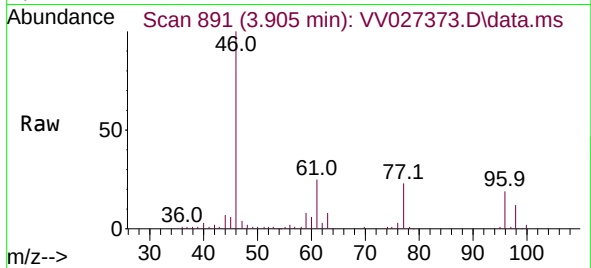
Tgt Ion: 96 Resp: 1995
Ion Ratio Lower Upper
96 100
61 129.2 99.6 185.0
98 53.0 45.1 83.7



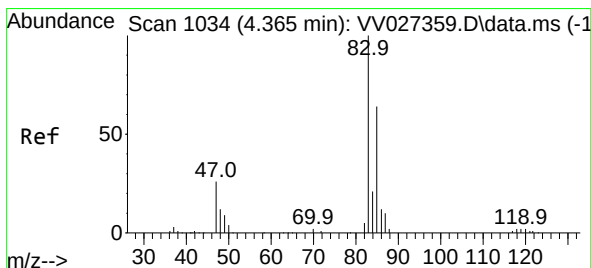
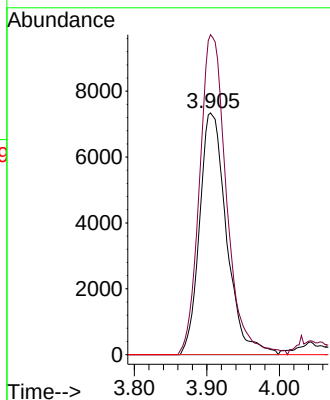
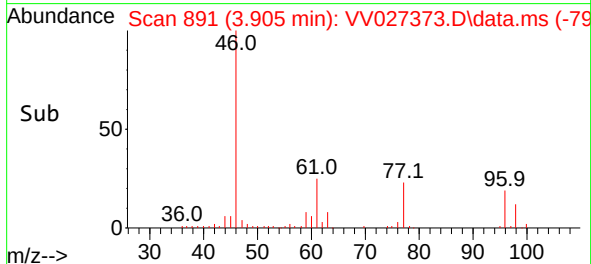


#22
 cis-1,2-Dichloroethene
 Concen: 1.447 ug/L
 RT: 3.905 min Scan# 890
 Delta R.T. 0.003 min
 Lab File: VV027373.D
 Acq: 13 Aug 2022 17:11

Instrument :
 MSVOA_V
 ClientSampleId :

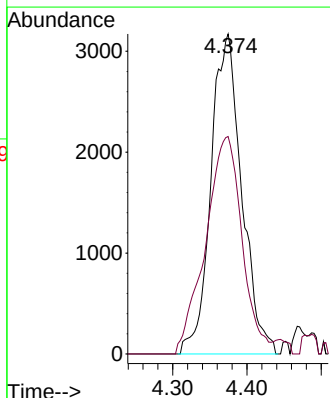
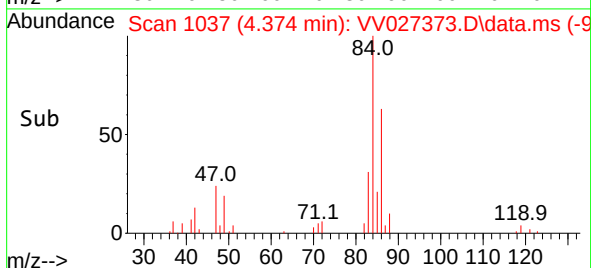
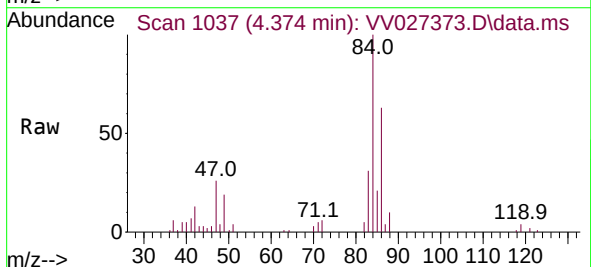


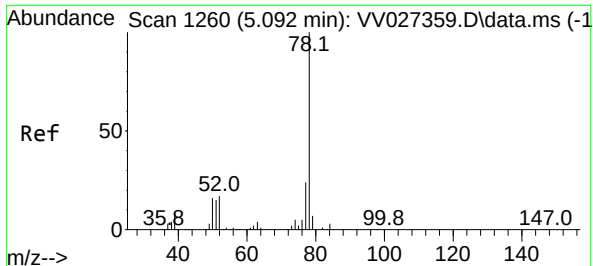
Tgt Ion: 96 Resp: 18978
 Ion Ratio Lower Upper
 96 100
 61 132.3 91.3 169.5
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.348 ug/L
 RT: 4.374 min Scan# 1037
 Delta R.T. 0.009 min
 Lab File: VV027373.D
 Acq: 13 Aug 2022 17:11

Tgt Ion: 83 Resp: 9132
 Ion Ratio Lower Upper
 83 100
 85 67.9 45.2 84.0

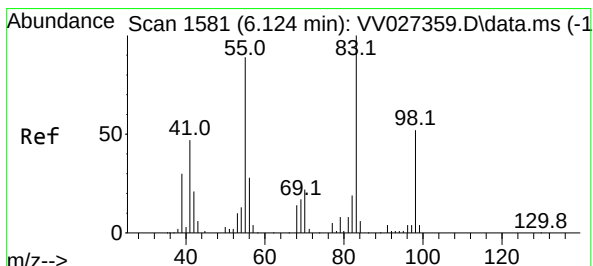
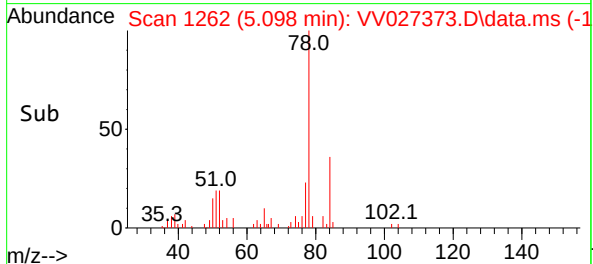
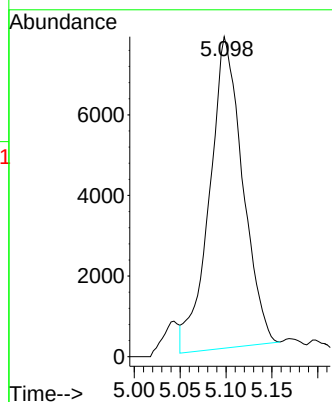
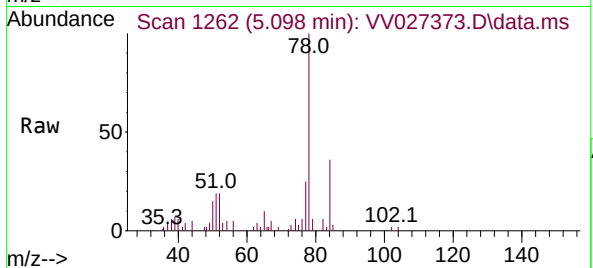




#33
Benzene
Concen: 0.353 ug/L
RT: 5.098 min Scan# 1563
Delta R.T. 0.006 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

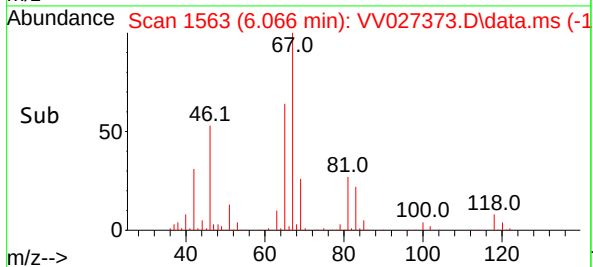
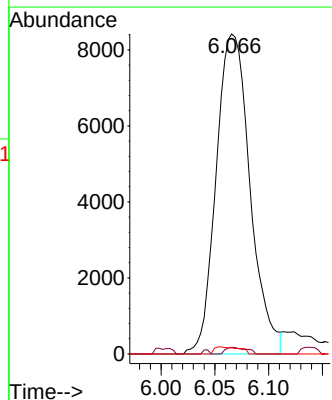
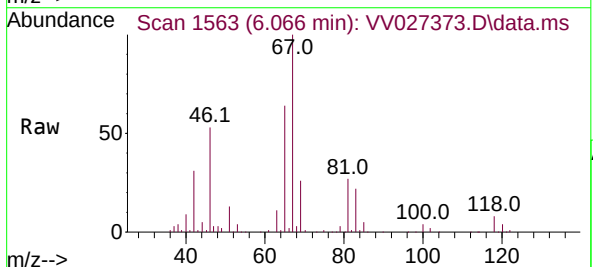
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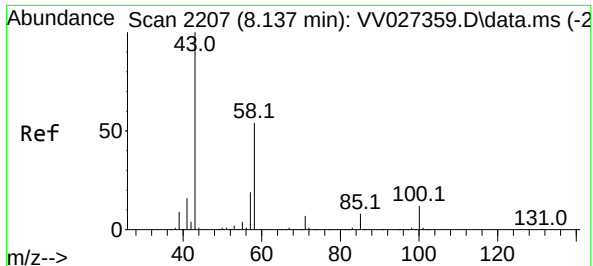
Tgt Ion: 78 Resp: 19380



#35
Methylcyclohexane
Concen: 0.982 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.058 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

Tgt Ion: 83 Resp: 18492
Ion Ratio Lower Upper
83 100
55 1.3 67.0 100.6#
98 0.0 38.7 58.1#

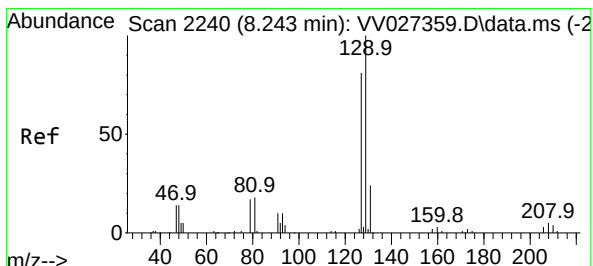
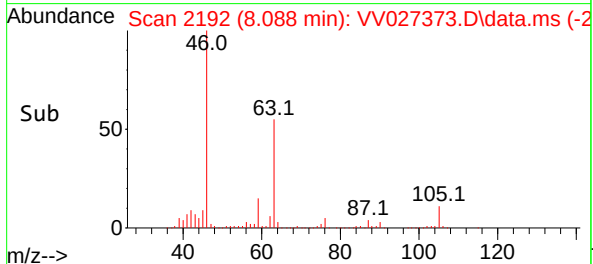
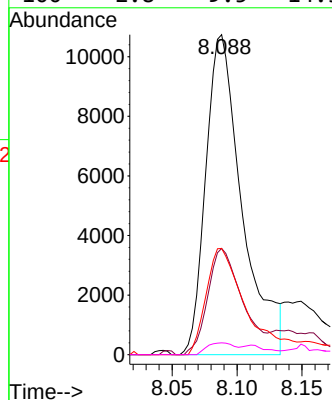
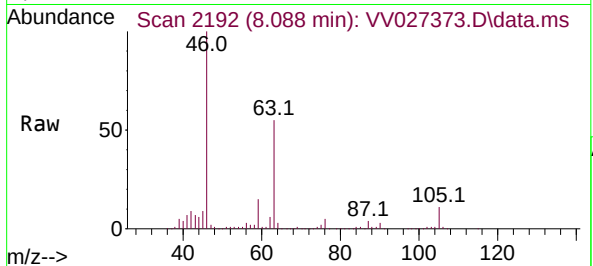




#48
2-Hexanone
Concen: 4.146 ug/L
RT: 8.088 min Scan# 2156
Delta R.T. -0.048 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

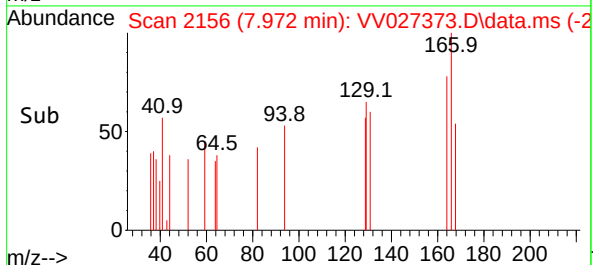
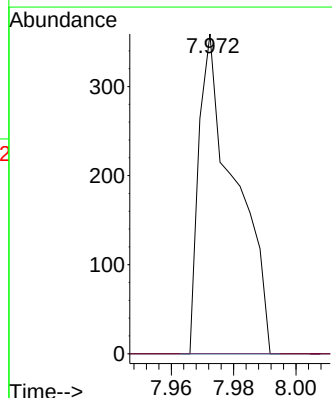
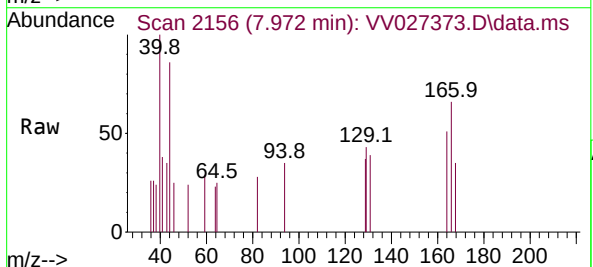
Instrument :
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ClientSampleId :

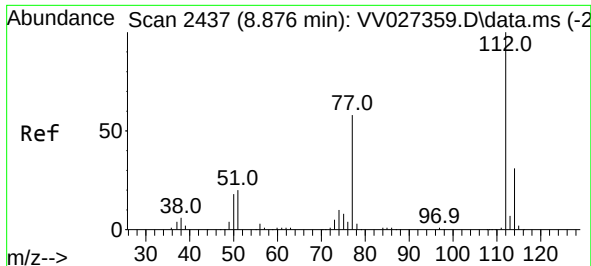
Tgt Ion: 43	Resp: 20847
Ion Ratio	Lower Upper
43 100	
58 31.9	42.8 64.2#
57 36.4	15.2 22.8#
100 2.8	9.5 14.3#



#49
Dibromochloromethane
Concen: 0.026 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. -0.270 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

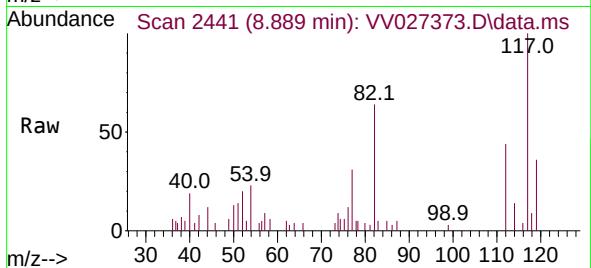
Tgt Ion:129	Resp:	290	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.5	101.3#



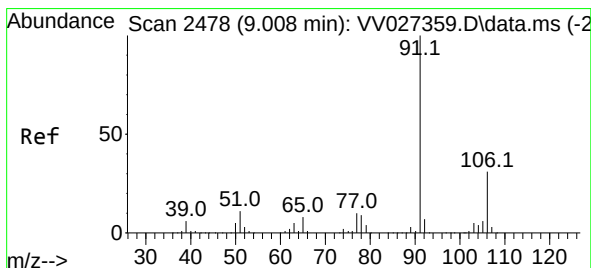
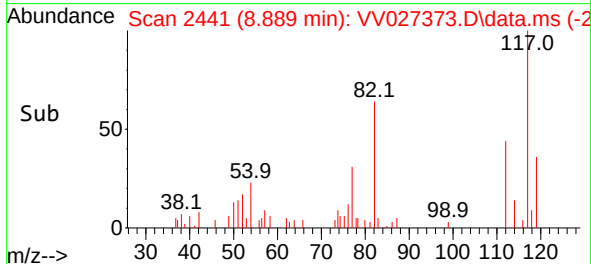
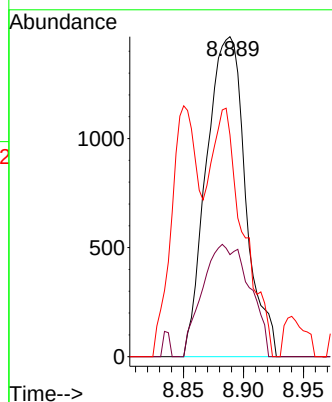


#51
Chlorobenzene
Concen: 0.093 ug/L
RT: 8.889 min Scan# 2441
Delta R.T. 0.013 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

Instrument :
MSVOA_V
ClientSampleId :

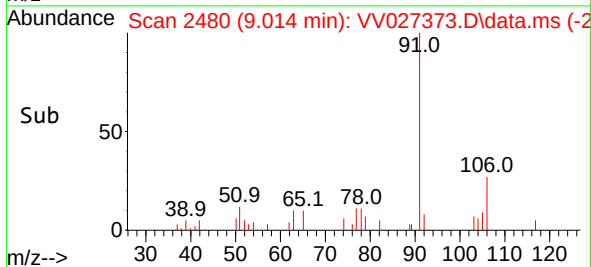
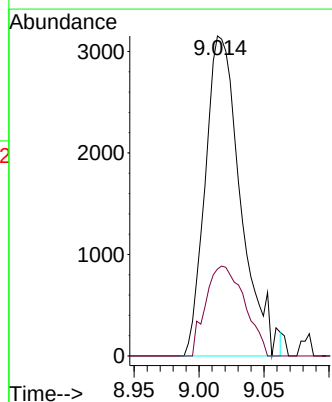
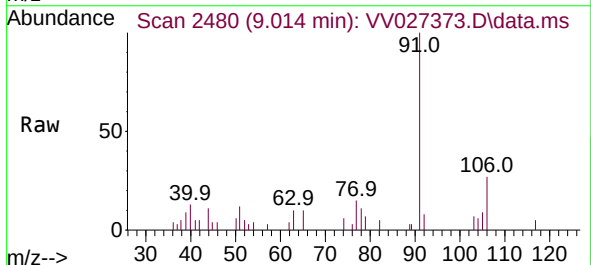


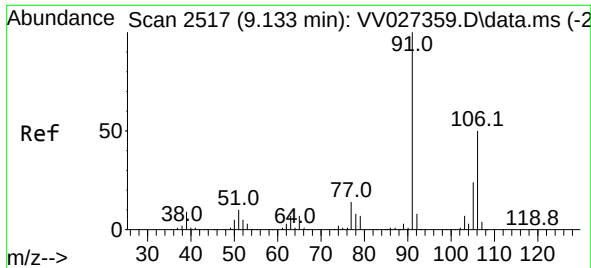
Tgt Ion:112 Resp: 3335
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.9
77 69.3 46.4 69.6



#52
Ethylbenzene
Concen: 0.109 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.006 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

Tgt Ion: 91 Resp: 5977
Ion Ratio Lower Upper
91 100
106 27.1 21.5 39.9

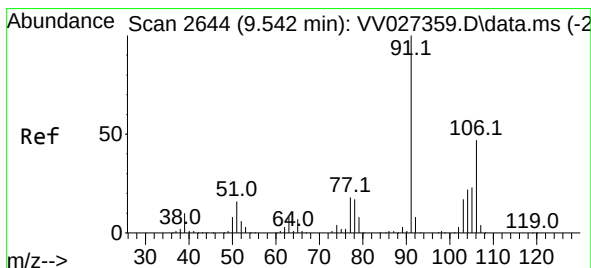
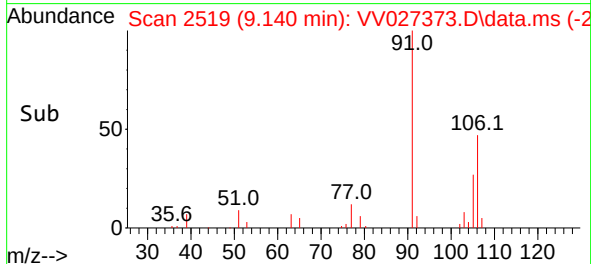
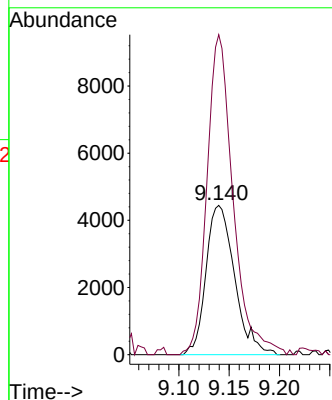
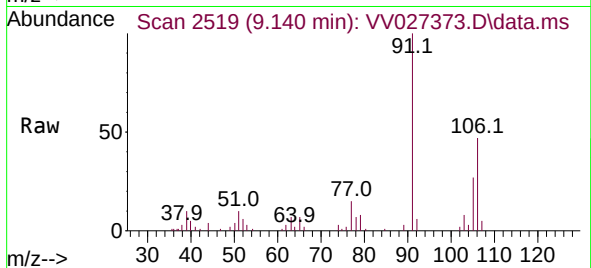




#53
m,p-Xylene
Concen: 0.419 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.006 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

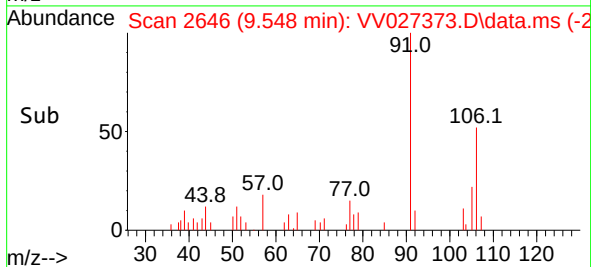
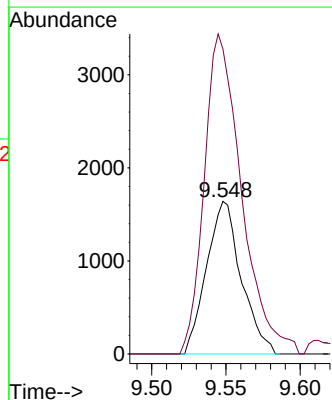
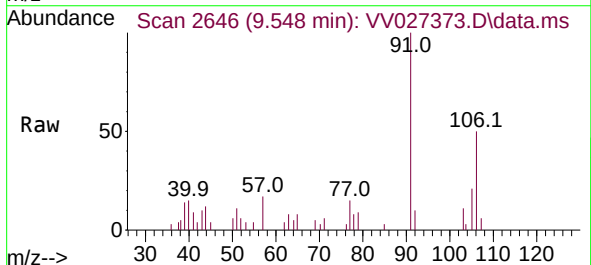
Instrument :
MSVOA_V
ClientSampleId :

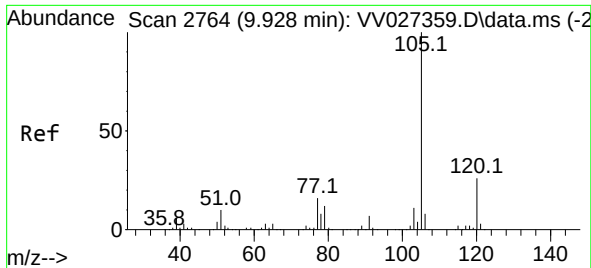
Tgt Ion:106 Resp: 8801
Ion Ratio Lower Upper
106 100
91 214.4 141.5 262.9



#54
o-Xylene
Concen: 0.130 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

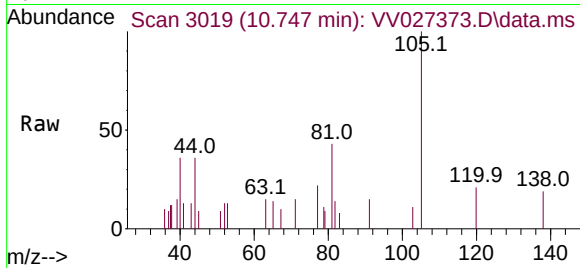
Tgt Ion:106 Resp: 2663
Ion Ratio Lower Upper
106 100
91 199.9 153.2 284.4



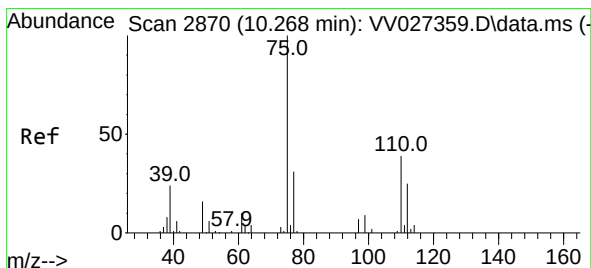
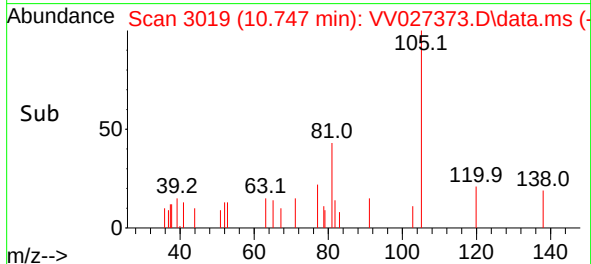
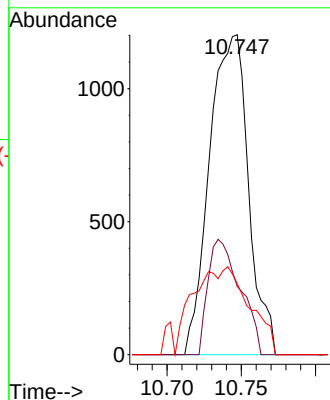


#60
Isopropylbenzene
Concen: 0.048 ug/L
RT: 10.747 min Scan# 3019
Delta R.T. 0.820 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

Instrument :
MSVOA_V
ClientSampleId :

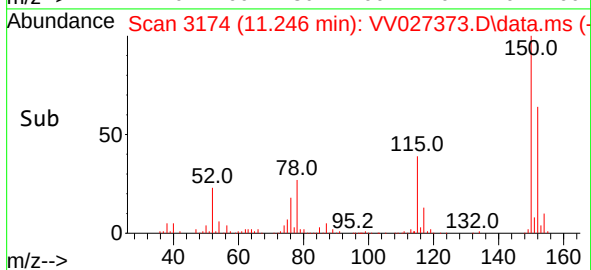
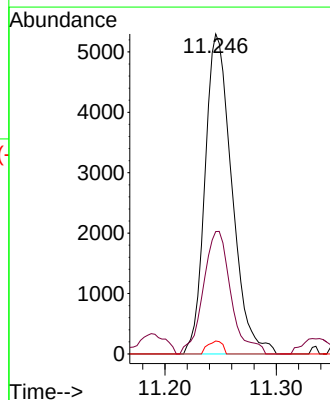
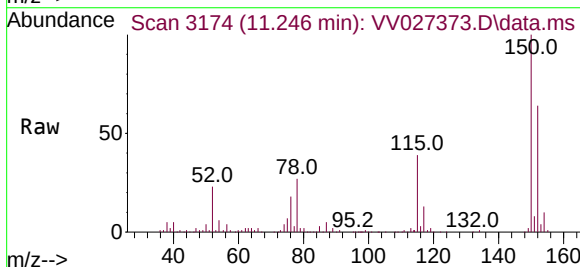


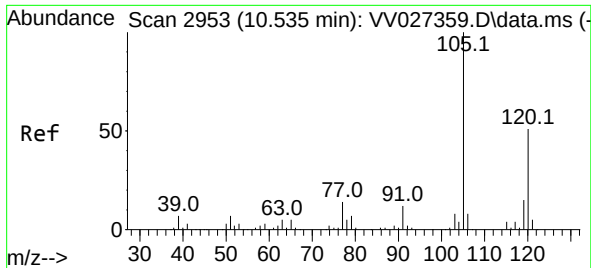
Tgt Ion:105 Resp: 2196
Ion Ratio Lower Upper
105 100
120 29.6 21.0 31.4
77 19.1 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 1.276 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.977 min
Lab File: VV027373.D
Acq: 13 Aug 2022 17:11

Tgt Ion: 75 Resp: 8878
Ion Ratio Lower Upper
75 100
77 39.3 26.6 39.8
110 2.2 31.0 46.6#





#62

1,3,5-Trimethylbenzene

Concen: 0.159 ug/L

RT: 10.541 min Scan# 2953

Delta R.T. 0.006 min

Lab File: VV027373.D

Acq: 13 Aug 2022 17:11

Instrument :

MSVOA_V

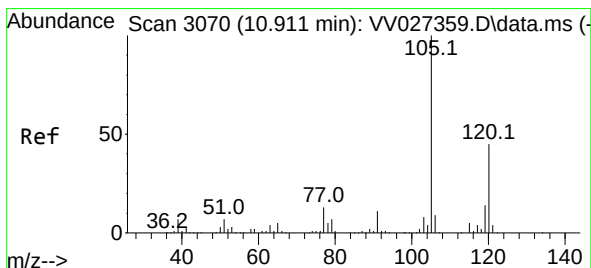
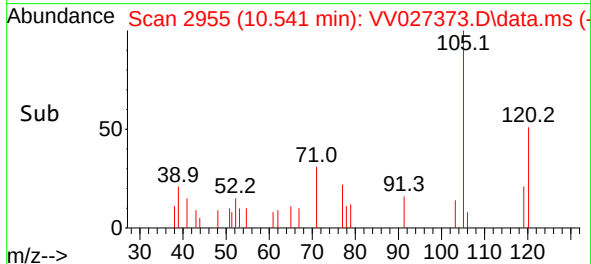
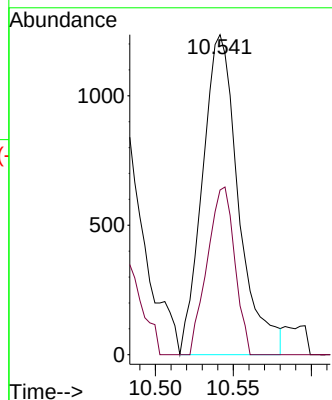
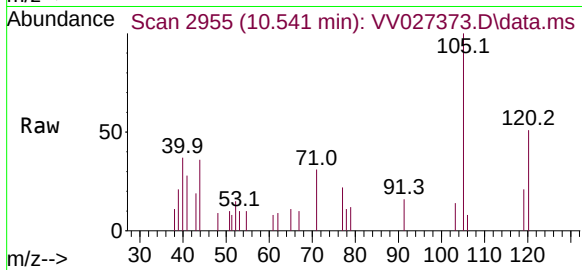
ClientSampleId :

Tgt Ion:105 Resp: 1996

Ion Ratio Lower Upper

105 100

120 39.5 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 0.156 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV027373.D

Acq: 13 Aug 2022 17:11

Tgt Ion:105 Resp: 5615

Ion Ratio Lower Upper

105 100

120 42.5 36.2 54.2

