

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037579.D
 Acq On : 27 Sep 2024 03:19
 Operator : SY/MD
 Sample : P4185-03
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EY077

Quant Time: Sep 27 03:42:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 02:22:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	646464	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	623697	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	342095	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	242163	42.672	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.340%
7) Chloroethane-d5	1.532	69	193576	43.945	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.900%
11) 1,1-Dichloroethene-d2	2.060	65	104344	44.010	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.020%
21) 2-Butanone-d5	3.793	46	197290	97.606	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.610%
24) Chloroform-d	4.243	84	438360	43.418	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.840%
26) 1,2-Dichloroethane-d4	4.937	65	261009	44.166	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.340%
32) Benzene-d6	4.953	84	868266	44.488	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.980%
36) 1,2-Dichloropropane-d6	5.982	67	281754	45.337	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.680%
41) Toluene-d8	7.236	98	771454	43.592	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.180%
43) trans-1,3-Dichloroprop...	7.551	79	117712	40.773	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.540%
47) 2-Hexanone-d5	8.024	63	112265	85.549	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.550%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	323952	44.862	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.720%
66) 1,2-Dichlorobenzene-d4	11.555	152	327433	45.422	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.840%

Target Compounds					Qvalue	
5) Vinyl chloride	1.285	62	220042	38.415	ug/L	99
9) Trichlorofluoromethane	1.716	101	9497	1.232	ug/L	98
12) 1,1-Dichloroethene	2.069	96	148473	34.498	ug/L	92
17) trans-1,2-Dichloroethene	2.690	96	88162	19.363	ug/L	99
19) 1,1-Dichloroethane	3.105	63	4477541	513.274	ug/L	99
20) cis-1,2-Dichloroethene	3.806	96	12604597	2473.867	ug/L	98
27) 1,2-Dichloroethane	5.047	62	19036	2.985	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	4791973	623.822	ug/L	99
33) Benzene	5.011	78	40849	2.172	ug/L	100
34) Trichloroethene	5.834	95	39840	7.953	ug/L	100
35) Methylcyclohexane	6.043	83	11731	1.522	ug/L	85
42) Toluene	7.314	91	219960	11.280	ug/L	99
45) 1,1,2-Trichloroethane	7.777	97	9610	2.060	ug/L	95
46) Tetrachloroethene	7.902	164	27959	7.300	ug/L	96
52) Ethylbenzene	8.940	91	559681	25.498	ug/L	99
53) m,p-Xylene	9.066	106	459696	56.271	ug/L	98
54) o-Xylene	9.471	106	418115	52.425	ug/L	97
60) Isopropylbenzene	9.863	105	120680	5.426	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	790598	44.962	ug/L	99

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QLast Update : Fri Sep 27 02:22:28 2024
Response via : Initial Calibration

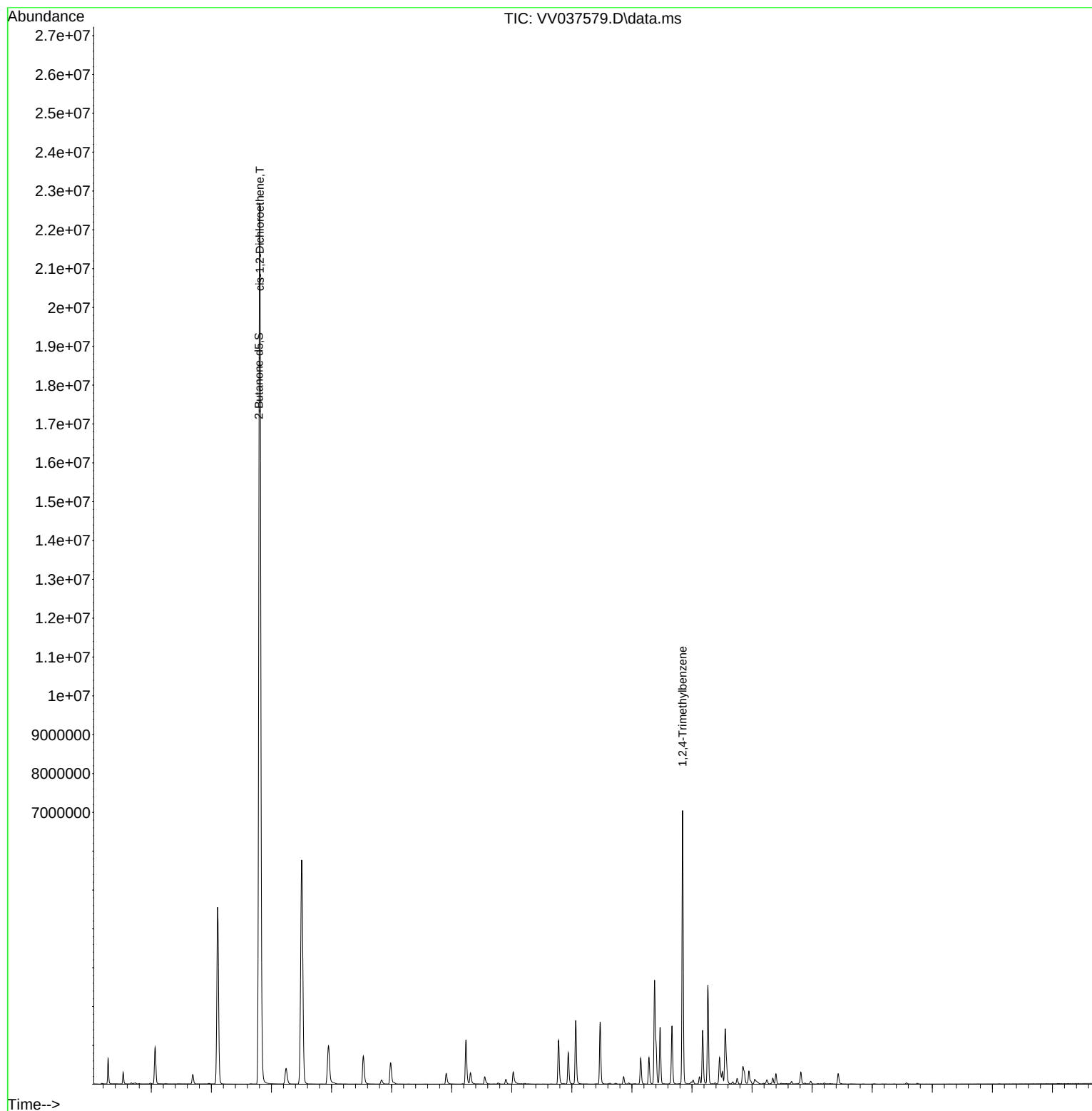
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.844	105	3649063	208.573	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	14196	1.341	ug/L	89

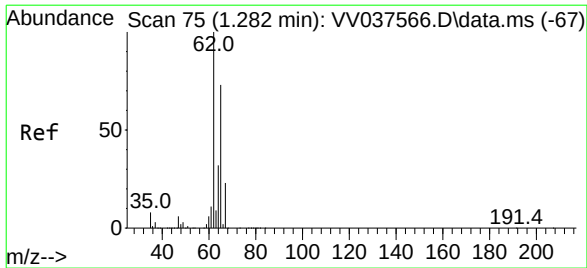
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 38.415 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.003 min

Lab File: VV037579.D

Acq: 27 Sep 2024 03:19

Instrument :

MSVOA_V

ClientSampleId :

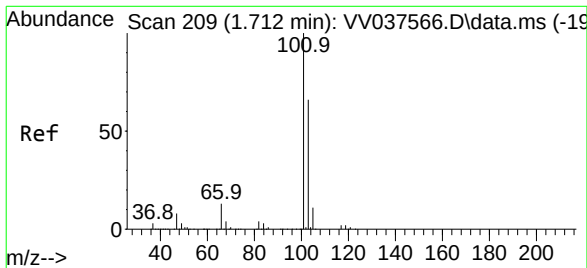
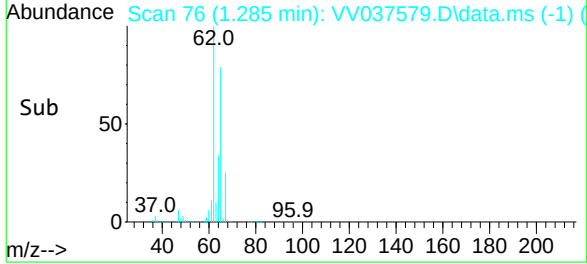
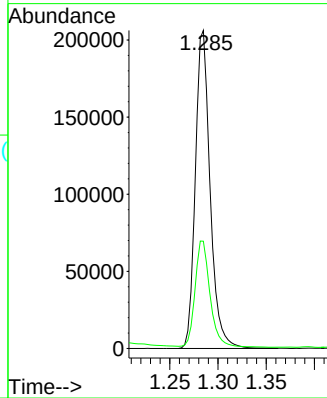
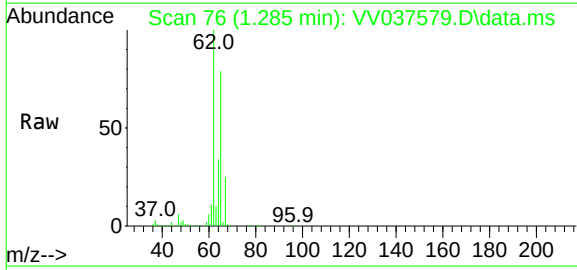
EY077

Tgt Ion: 62 Resp: 220042

Ion Ratio Lower Upper

62 100

64 33.7 23.2 43.0



#9

Trichlorofluoromethane

Concen: 1.232 ug/L

RT: 1.716 min Scan# 210

Delta R.T. 0.003 min

Lab File: VV037579.D

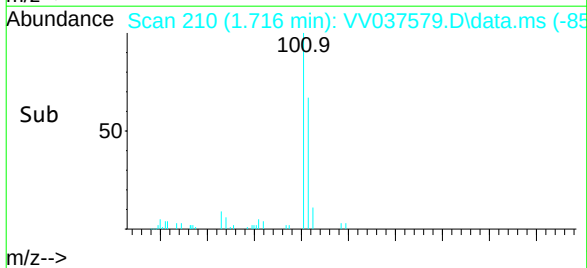
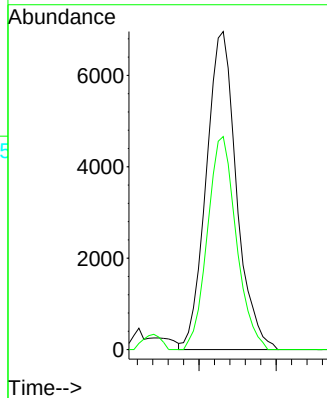
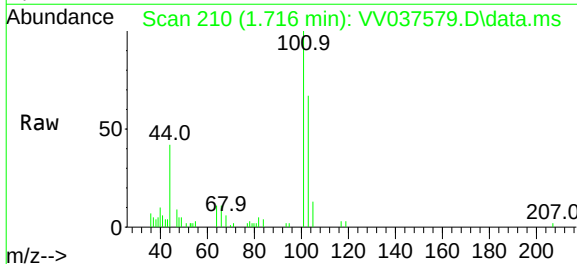
Acq: 27 Sep 2024 03:19

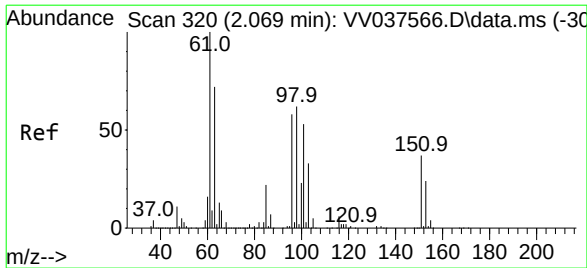
Tgt Ion: 101 Resp: 9497

Ion Ratio Lower Upper

101 100

103 63.8 52.2 78.4

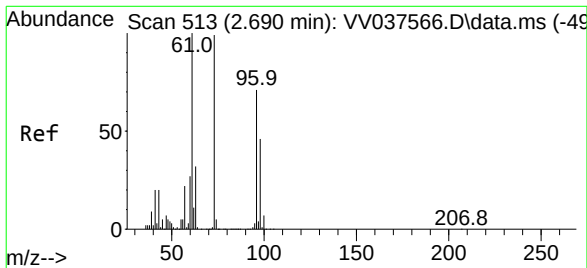
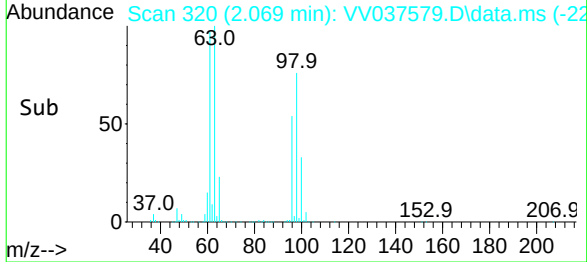
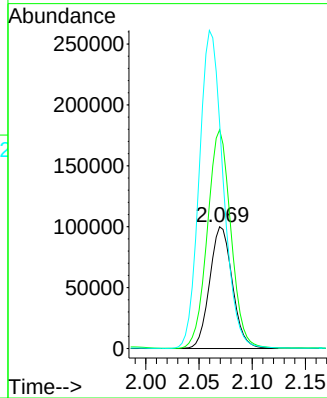
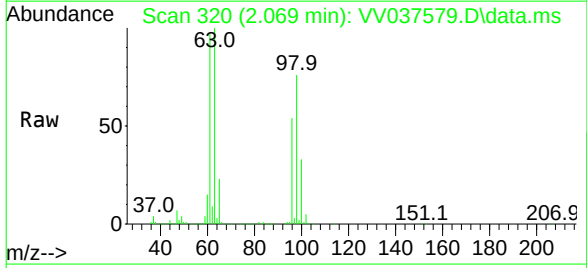




#12
1,1-Dichloroethene
Concen: 34.498 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV037579.D
Acq: 27 Sep 2024 03:19

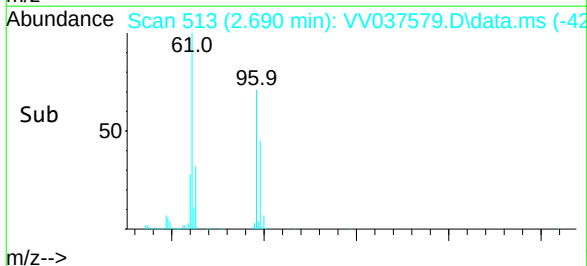
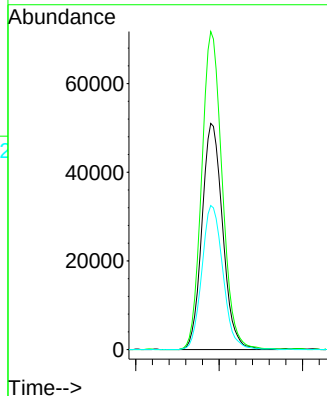
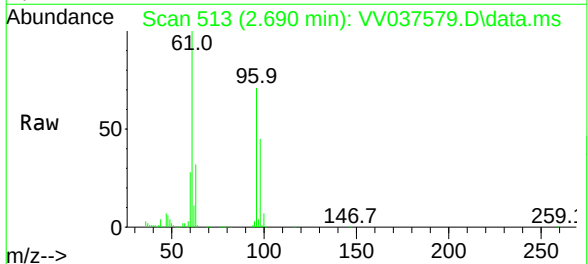
Instrument :
MSVOA_V
ClientSampleId :
EY077

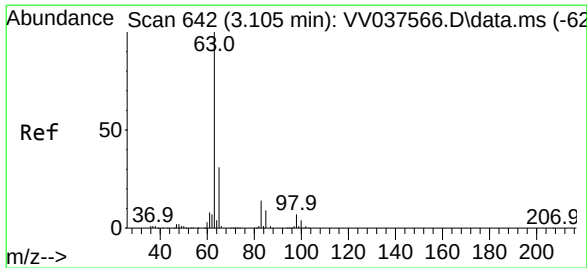
Tgt Ion: 96 Resp: 148473
Ion Ratio Lower Upper
96 100
61 179.7 122.6 227.6
63 185.2 118.0 219.2



#17
trans-1,2-Dichloroethene
Concen: 19.363 ug/L
RT: 2.690 min Scan# 513
Delta R.T. 0.000 min
Lab File: VV037579.D
Acq: 27 Sep 2024 03:19

Tgt Ion: 96 Resp: 88162
Ion Ratio Lower Upper
96 100
61 140.6 97.3 180.7
98 63.7 43.9 81.5

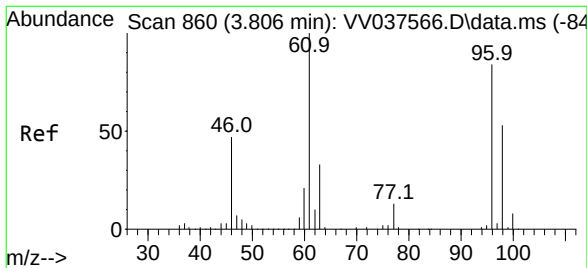
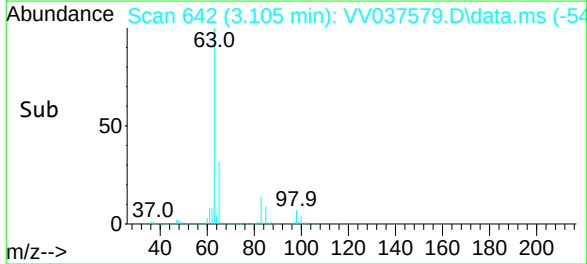
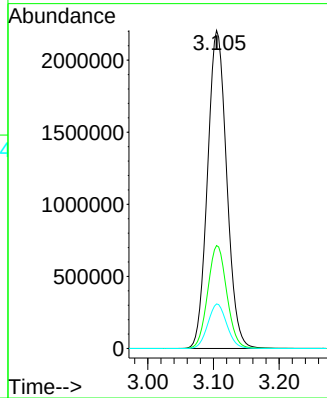
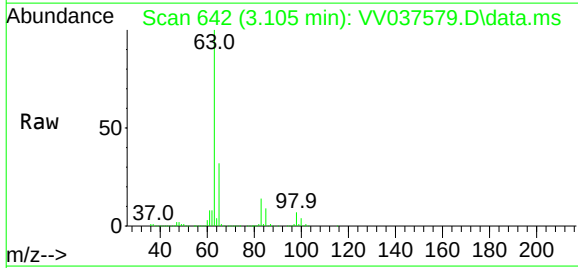




#19
1,1-Dichloroethane
Concen: 513.274 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV037579.D
Acq: 27 Sep 2024 03:19

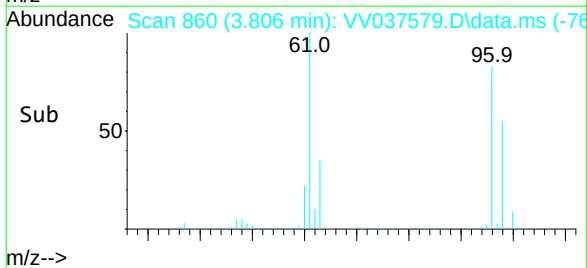
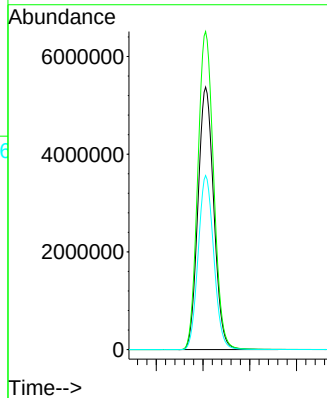
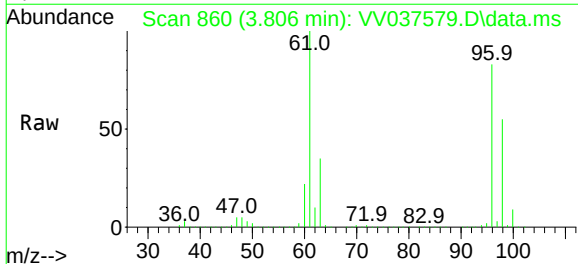
Instrument :
MSVOA_V
ClientSampleId :
EY077

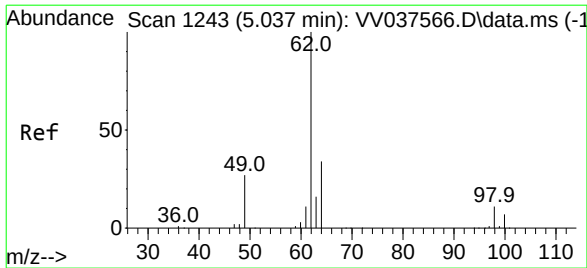
Tgt Ion: 63 Resp: 4477541
Ion Ratio Lower Upper
63 100
65 32.4 22.4 41.6
83 14.0 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 2473.867 ug/L
RT: 3.806 min Scan# 860
Delta R.T. 0.000 min
Lab File: VV037579.D
Acq: 27 Sep 2024 03:19

Tgt Ion: 96 Resp: 12604597
Ion Ratio Lower Upper
96 100
61 121.1 85.0 157.8
98 66.3 44.2 82.0

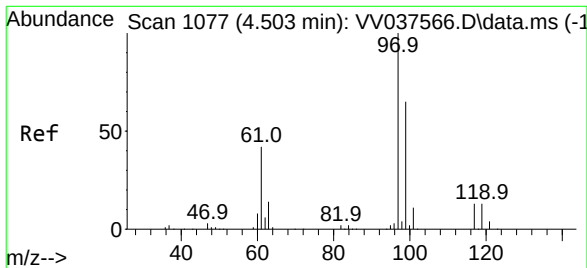
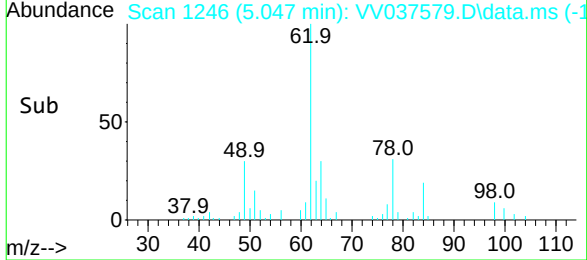
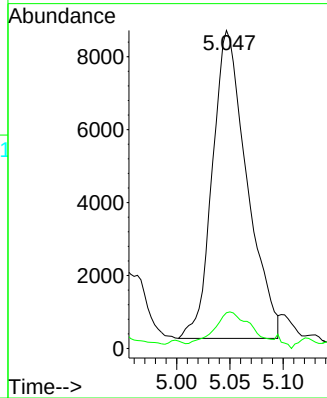
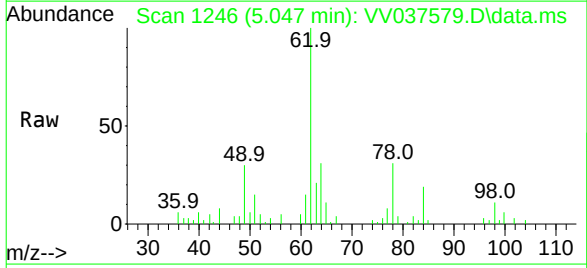




#27
1,2-Dichloroethane
Concen: 2.985 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.010 min
Lab File: VV037579.D
Acq: 27 Sep 2024 03:19

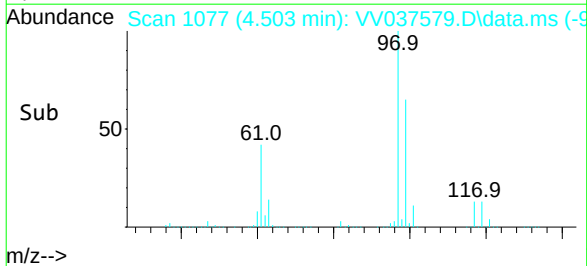
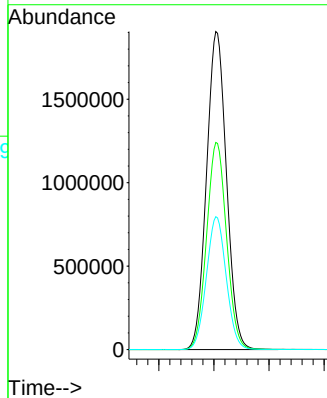
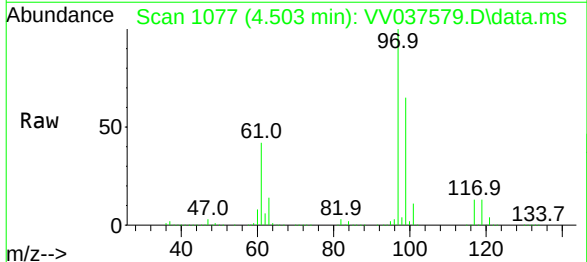
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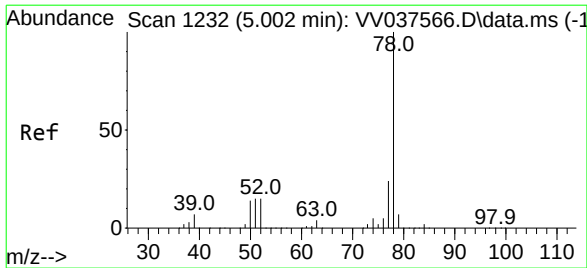
Tgt Ion: 62 Resp: 19036
Ion Ratio Lower Upper
62 100
98 11.2 8.4 12.6



#30
1,1,1-Trichloroethane
Concen: 623.822 ug/L
RT: 4.503 min Scan# 1077
Delta R.T. 0.000 min
Lab File: VV037579.D
Acq: 27 Sep 2024 03:19

Tgt Ion: 97 Resp: 4791973
Ion Ratio Lower Upper
97 100
99 65.1 51.8 77.6
61 41.5 33.6 50.4





#33

Benzene

Concen: 2.172 ug/L

RT: 5.011 min Scan# 12

Delta R.T. 0.010 min

Lab File: VV037579.D

Acq: 27 Sep 2024 03:19

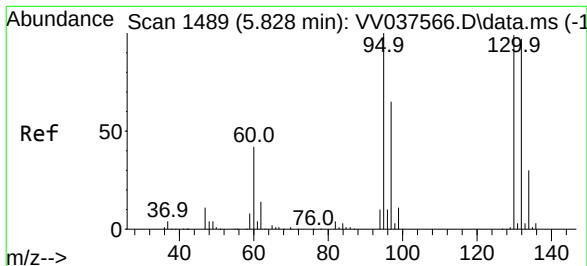
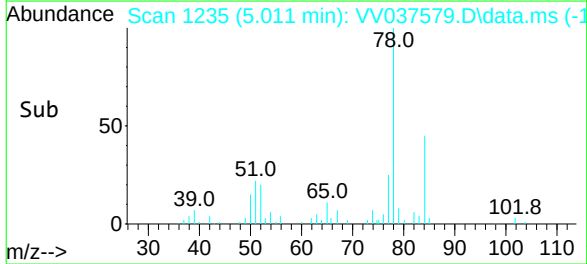
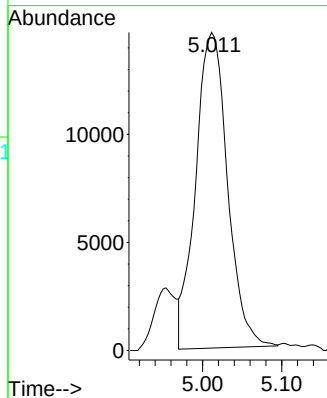
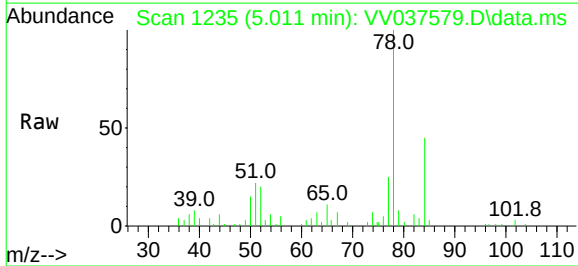
Instrument :

MSVOA_V

ClientSampleId :

EY077

Tgt Ion: 78 Resp: 40849



#34

Trichloroethene

Concen: 7.953 ug/L

RT: 5.834 min Scan# 1491

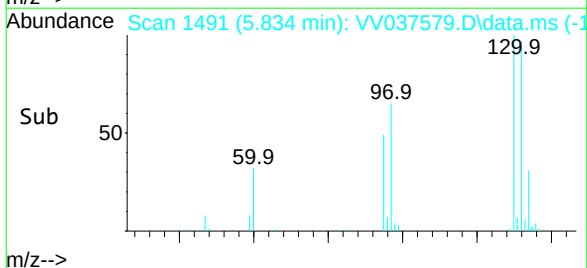
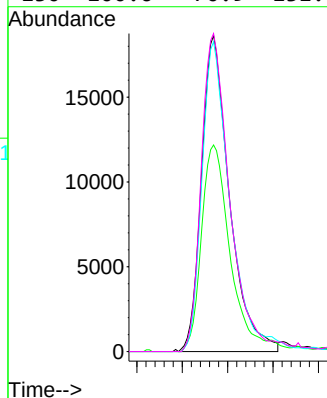
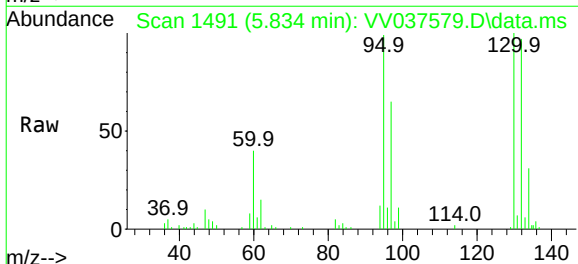
Delta R.T. 0.006 min

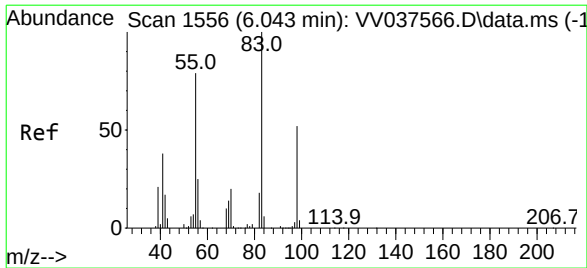
Lab File: VV037579.D

Acq: 27 Sep 2024 03:19

Tgt Ion: 95 Resp: 39840

Ion	Ratio	Lower	Upper
95	100		
97	65.4	46.3	85.9
132	98.0	68.6	127.4
130	100.6	70.9	131.7

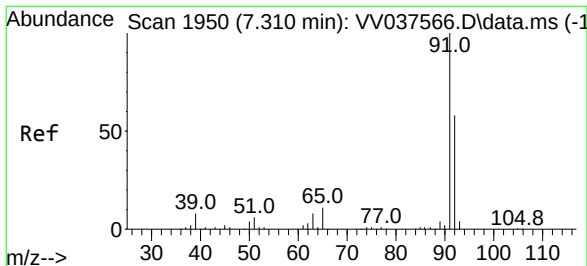
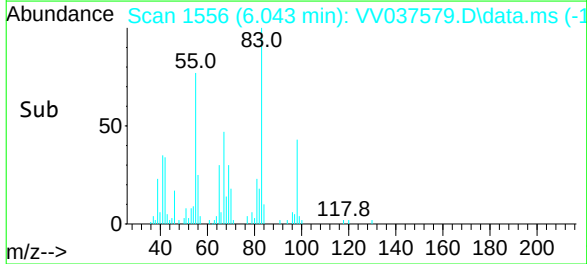
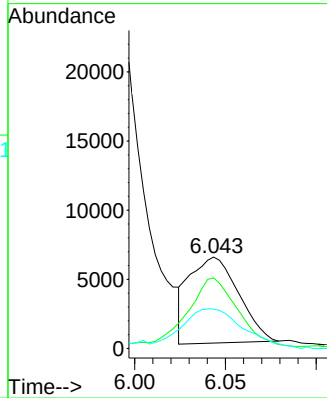
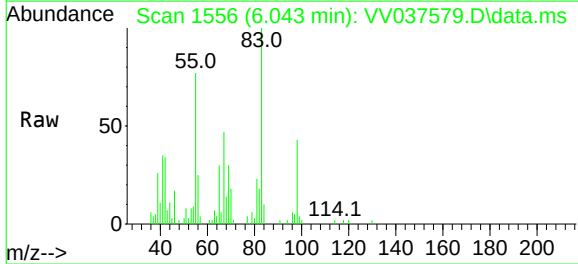




#35
Methylcyclohexane
Concen: 1.522 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VV037579.D
Acq: 27 Sep 2024 03:19

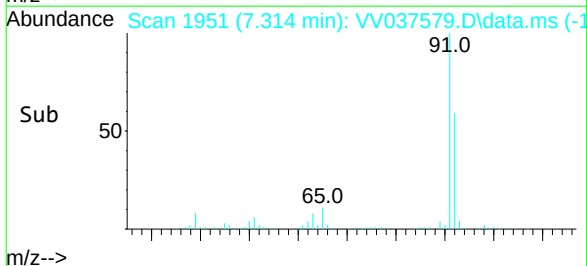
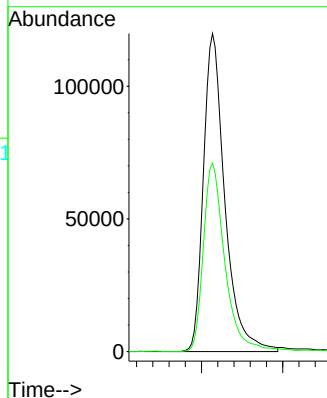
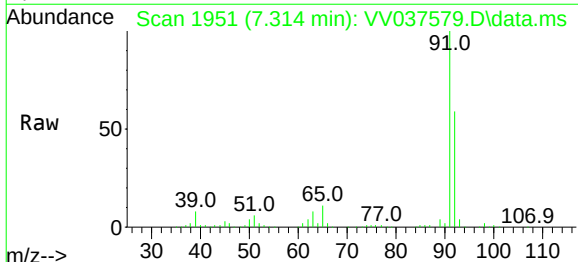
Instrument :
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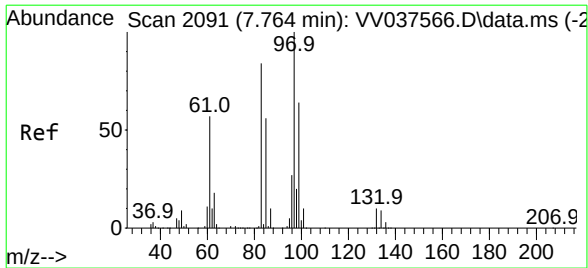
Tgt Ion:	83	Resp:	11731
Ion	Ratio	Lower	Upper
83	100		
55	85.6	57.9	86.9
98	57.9	39.3	58.9



#42
Toluene
Concen: 11.280 ug/L
RT: 7.314 min Scan# 1951
Delta R.T. 0.003 min
Lab File: VV037579.D
Acq: 27 Sep 2024 03:19

Tgt Ion:	91	Resp:	219960
Ion	Ratio	Lower	Upper
91	100		
92	59.2	41.1	76.3

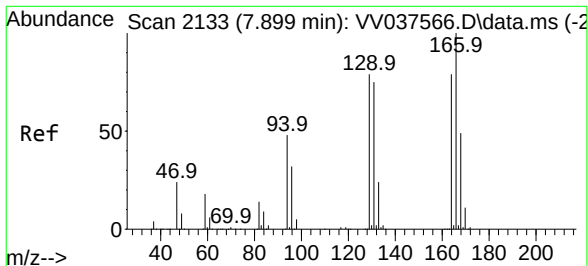
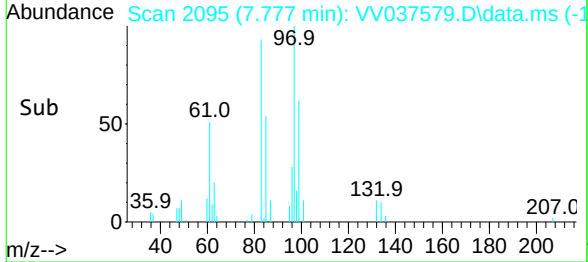
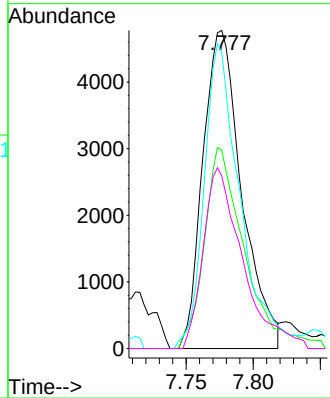
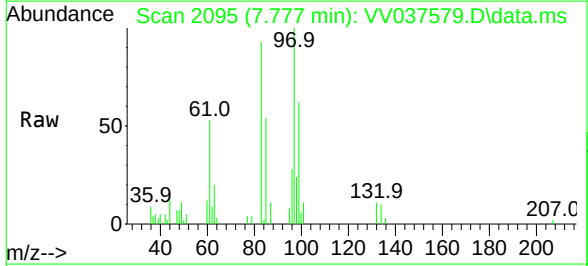




#45
1,1,2-Trichloroethane
Concen: 2.060 ug/L
RT: 7.777 min Scan# 2091
Delta R.T. 0.013 min
Lab File: VV037579.D
Acq: 27 Sep 2024 03:19

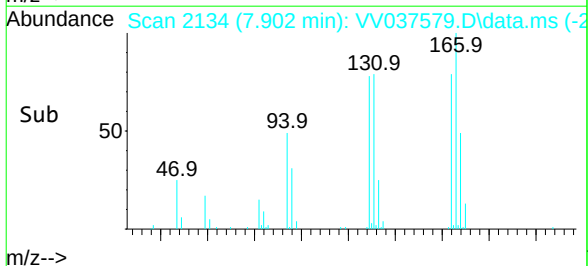
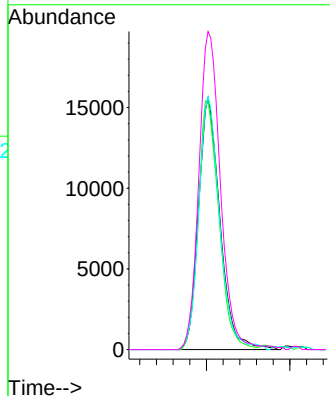
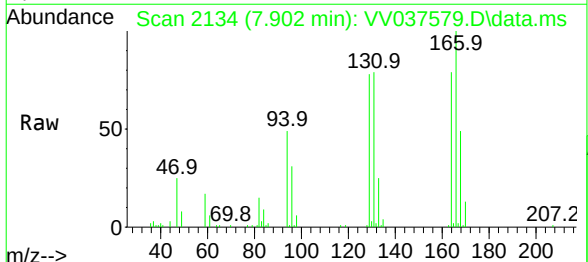
Instrument :
MSVOA_V
ClientSampleId :
EY077

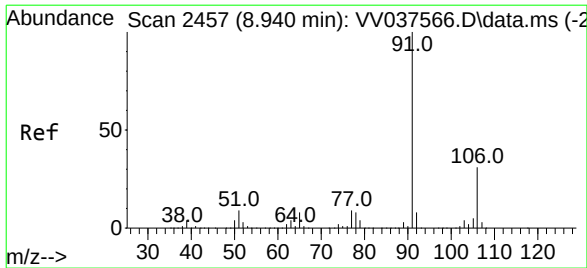
Tgt Ion:	97	Resp:	9610
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.1	81.9
83	93.2	59.3	110.1
85	54.3	39.0	72.4



#46
Tetrachloroethene
Concen: 7.300 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.003 min
Lab File: VV037579.D
Acq: 27 Sep 2024 03:19

Tgt Ion:	164	Resp:	27959
Ion	Ratio	Lower	Upper
164	100		
129	98.9	68.2	126.6
131	100.3	66.1	122.8
166	126.3	91.1	169.1

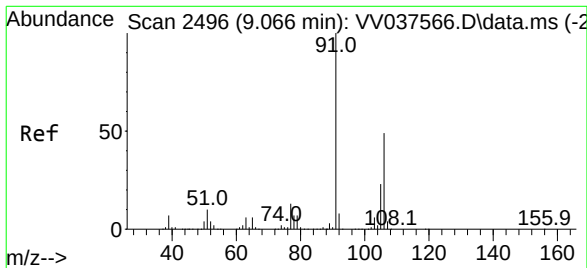
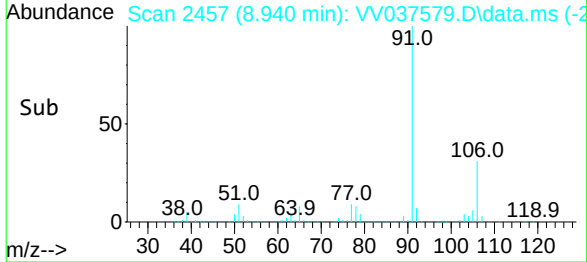
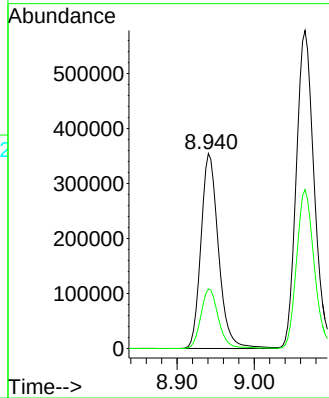
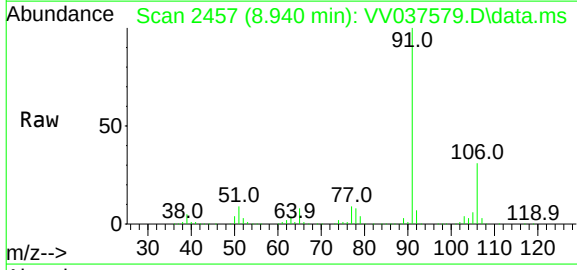




#52
Ethylbenzene
Concen: 25.498 ug/L
RT: 8.940 min Scan# 2457
Delta R.T. 0.000 min
Lab File: VV037579.D
Acq: 27 Sep 2024 03:19

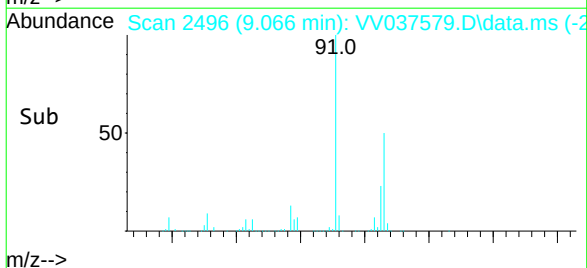
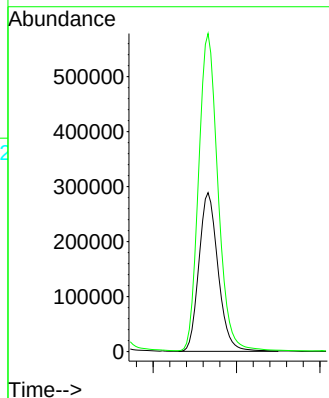
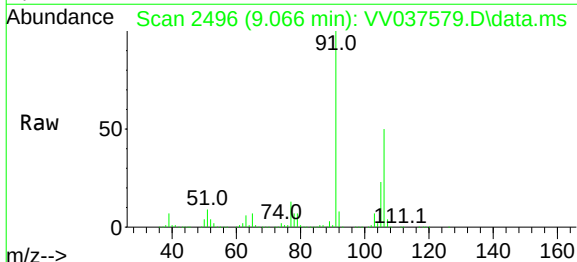
Instrument :
MSVOA_V
ClientSampleId :
EY077

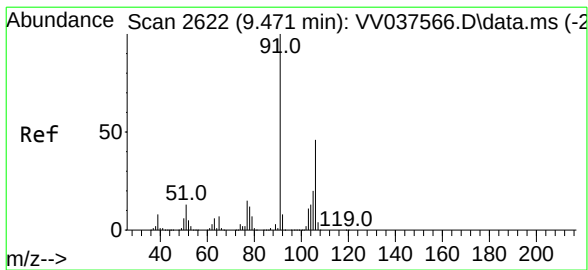
Tgt Ion: 91 Resp: 559681
Ion Ratio Lower Upper
91 100
106 30.5 21.9 40.7



#53
m,p-Xylene
Concen: 56.271 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. 0.000 min
Lab File: VV037579.D
Acq: 27 Sep 2024 03:19

Tgt Ion: 106 Resp: 459696
Ion Ratio Lower Upper
106 100
91 200.1 142.0 263.6

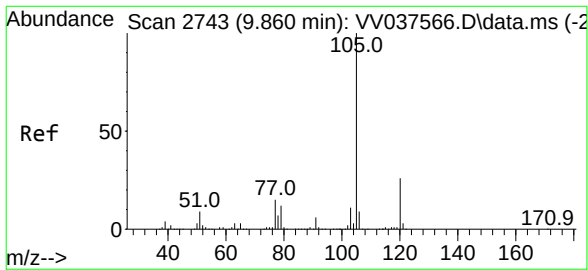
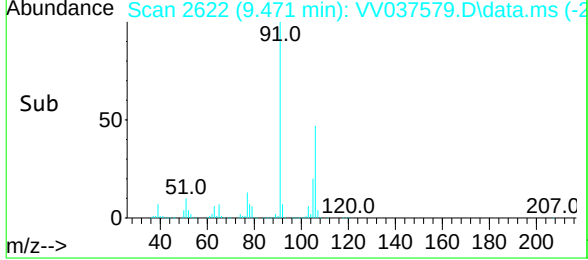
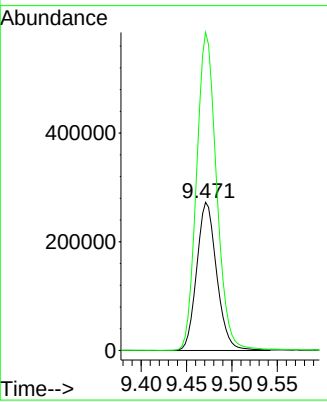
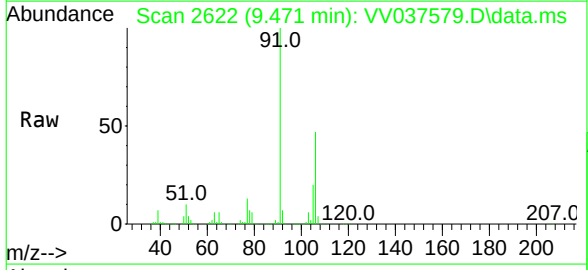




#54
o-Xylene
Concen: 52.425 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. 0.000 min
Lab File: VV037579.D
Acq: 27 Sep 2024 03:19

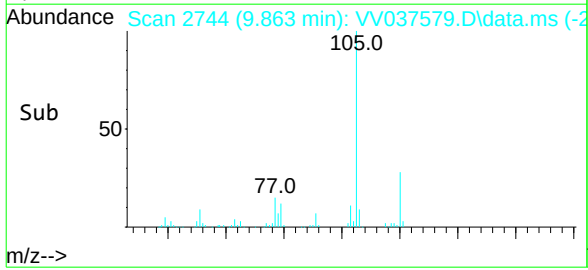
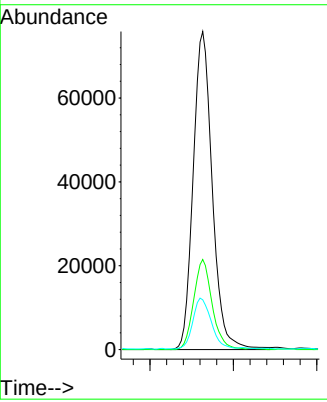
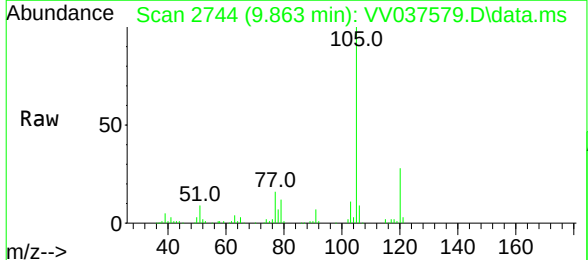
Instrument :
MSVOA_V
ClientSampleId :
EY077

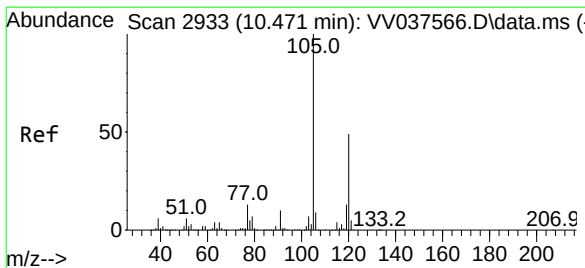
Tgt Ion:	106	Resp:	418115
Ion	Ratio	Lower	Upper
106	100		
91	214.5	153.9	285.9



#60
Isopropylbenzene
Concen: 5.426 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VV037579.D
Acq: 27 Sep 2024 03:19

Tgt Ion:	105	Resp:	120680
Ion	Ratio	Lower	Upper
105	100		
120	27.4	20.7	31.1
77	15.2	12.2	18.2





#62

1,3,5-Trimethylbenzene

Concen: 44.962 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.000 min

Lab File: VV037579.D

Acq: 27 Sep 2024 03:19

Instrument :

MSVOA_V

ClientSampleId :

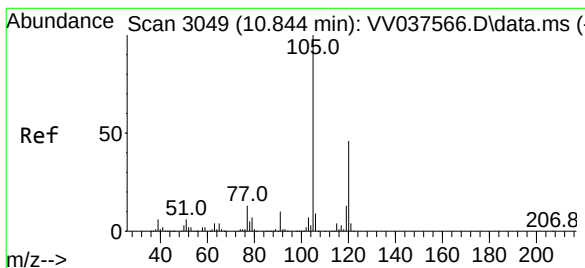
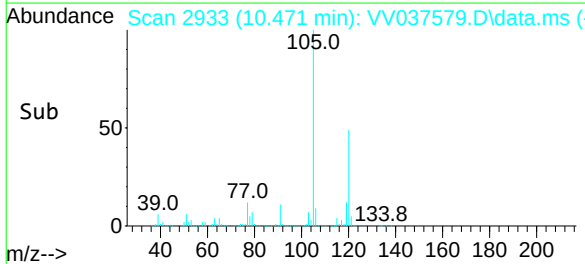
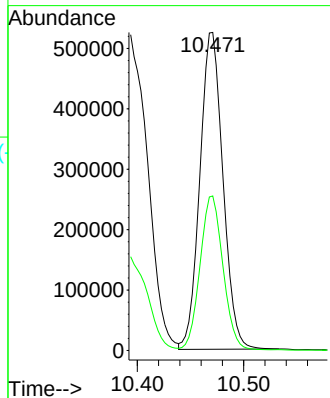
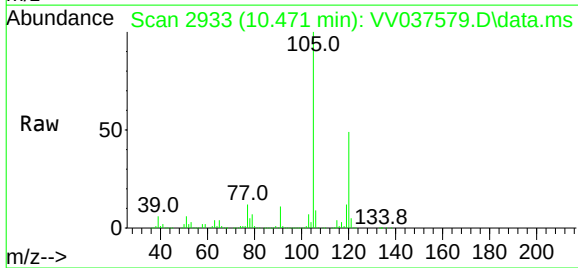
EY077

Tgt Ion:105 Resp: 790598

Ion Ratio Lower Upper

105 100

120 48.2 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 208.573 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VV037579.D

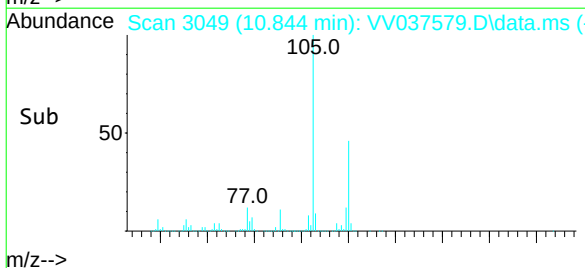
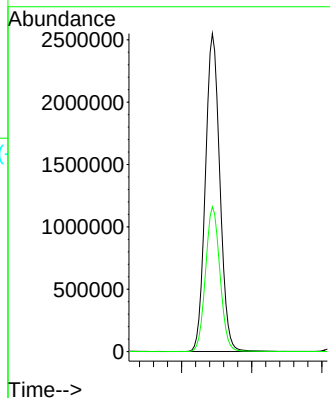
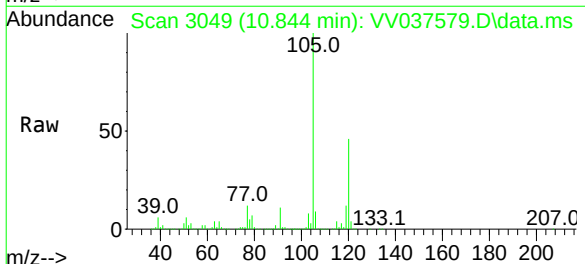
Acq: 27 Sep 2024 03:19

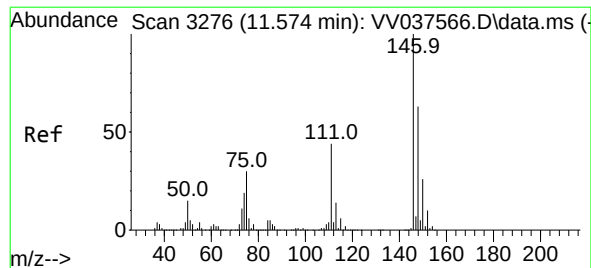
Tgt Ion:105 Resp: 3649063

Ion Ratio Lower Upper

105 100

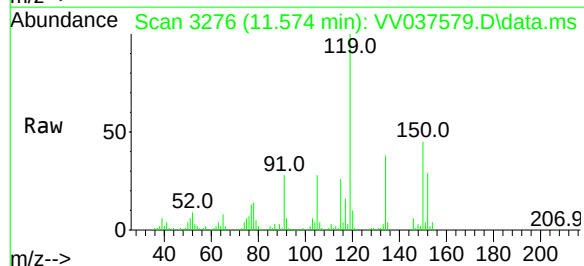
120 45.4 36.2 54.2





#67
 1,2-Dichlorobenzene
 Concen: 1.341 ug/L
 RT: 11.574 min Scan# 32
 Delta R.T. 0.000 min
 Lab File: VV037579.D
 Acq: 27 Sep 2024 03:19

Instrument :
 MSVOA_V
 ClientSampleId :
 EY077



Tgt Ion:	146	Resp:	14196
Ion	Ratio	Lower	Upper
146	100		
111	48.2	34.2	51.2
148	53.9	50.9	76.3

