

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
 Data File : VY006962.D
 Acq On : 06 Dec 2021 15:51
 Operator : SY/MD
 Sample : M4887-05
 Misc : 5.15g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EX8A2

Quant Time: Dec 07 00:47:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120321SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 07 00:43:47 2021
 Response via : Initial Calibration

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

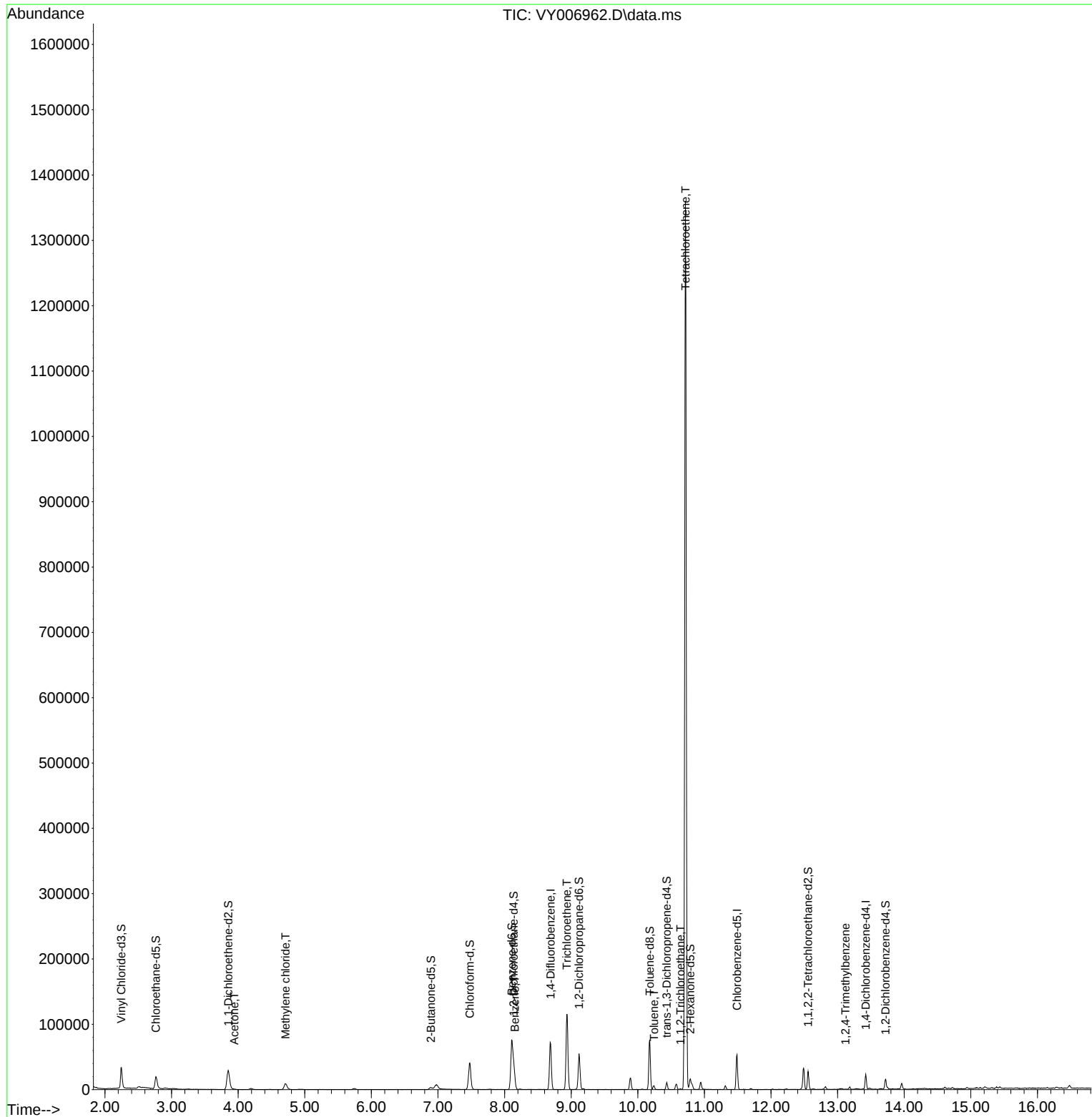
Internal Standards							
1) 1,4-Difluorobenzene		8.691	114	56691	25.000	ug/L	# 0.00
28) Chlorobenzene-d5		11.489	117	25697	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		13.422	152	5054	25.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		2.247	65	33981	46.541	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 186.160%#		
7) Chloroethane-d5		2.765	69	22163	38.695	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 154.800%#		
11) 1,1-Dichloroethene-d2		3.851	63	31052	20.457	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 81.840%		
21) 2-Butanone-d5		6.893	46	5866	20.801	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 41.600%		
24) Chloroform-d		7.478	84	38459	27.222	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 108.880%		
26) 1,2-Dichloroethane-d4		8.136	65	22632	26.688	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 106.760%		
32) Benzene-d6		8.106	84	67964	49.790	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 199.160%#		
36) 1,2-Dichloropropane-d6		9.118	67	24461	57.034	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 228.120%#		
41) Toluene-d8		10.179	98	47623	37.250	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 149.000%#		
43) trans-1,3-Dichloroprop...		10.435	79	5313	25.612	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 102.440%		
47) 2-Hexanone-d5		10.788	63	4968	50.049	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 100.100%		
56) 1,1,2,2-Tetrachloroeth...		12.556	84	12506	35.000	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 140.000%#		
66) 1,2-Dichlorobenzene-d4		13.721	152	3318	20.132	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 80.520%		
Target Compounds							Qvalue
13) Acetone		3.942	43	1169	4.523	ug/L	80
16) Methylene chloride		4.710	84	5761	5.667	ug/L	90
33) Benzene		8.155	78	2433	1.408	ug/L	100
34) Trichloroethene		8.935	95	38930	91.485	ug/L	91
42) Toluene		10.246	91	4380	2.376	ug/L	97
45) 1,1,2-Trichloroethane		10.642	97	358	1.097	ug/L	86
46) Tetrachloroethene		10.715	164	266764	748.248	ug/L	97
63) 1,2,4-Trimethylbenzene		13.117	105	436	0.733	ug/L	# 79

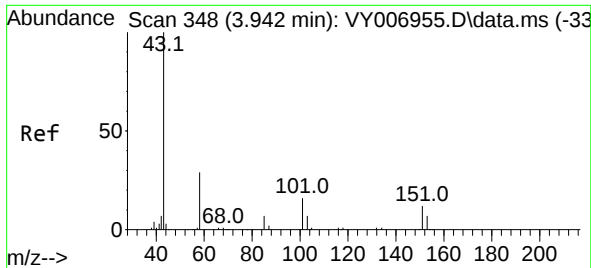
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Dec 07 00:43:47 2021
Response via : Initial Calibration





#13

Acetone

Concen: 4.523 ug/L

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY006962.D

Acq: 06 Dec 2021 15:51

Instrument :

MSVOA_Y

ClientSampleId :

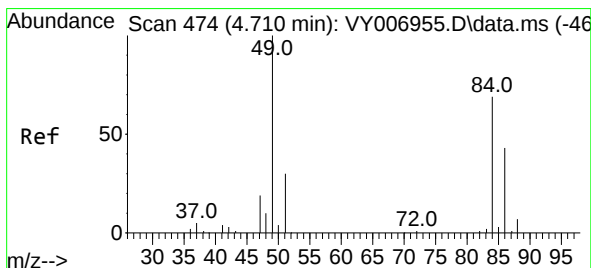
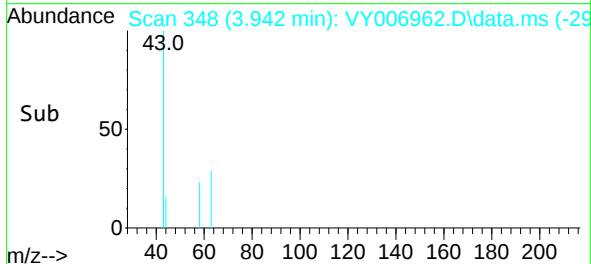
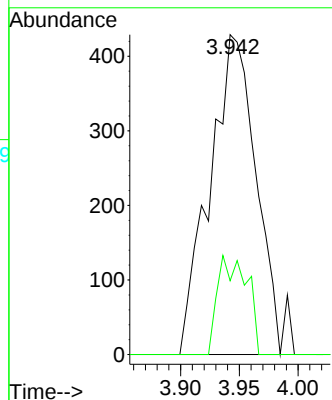
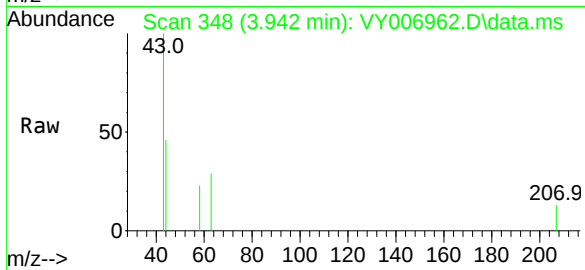
EX8A2

Tgt Ion: 43 Resp: 1169

Ion Ratio Lower Upper

43 100

58 19.8 0.0 60.8



#16

Methylene chloride

Concen: 5.667 ug/L

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY006962.D

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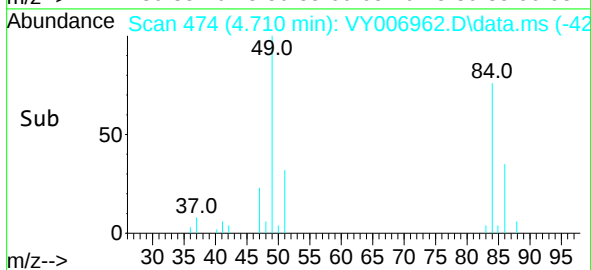
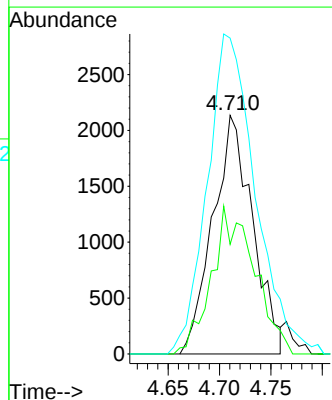
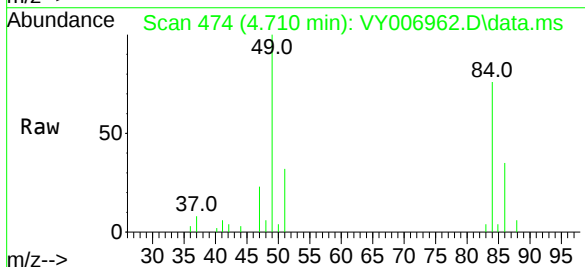
Tgt Ion: 84 Resp: 5761

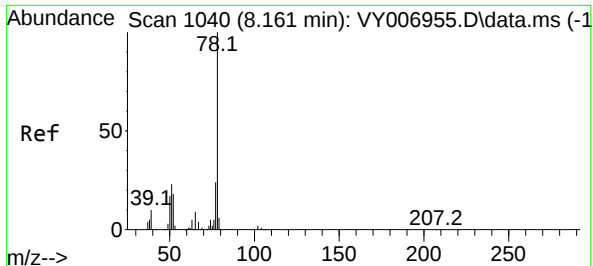
Ion Ratio Lower Upper

84 100

86 45.9 43.4 80.6

49 132.4 89.1 165.5

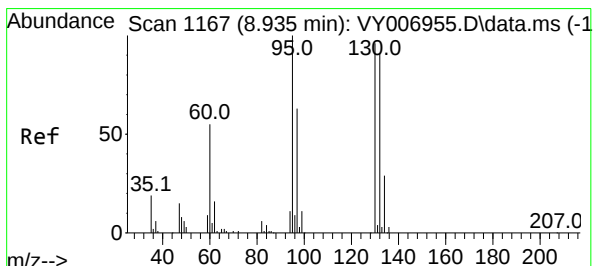
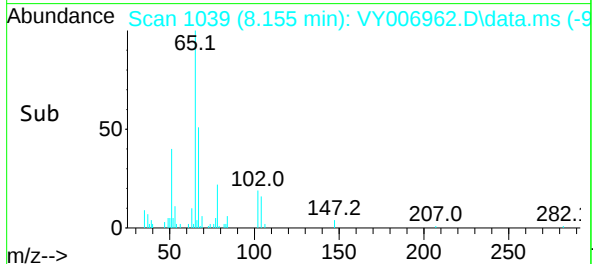
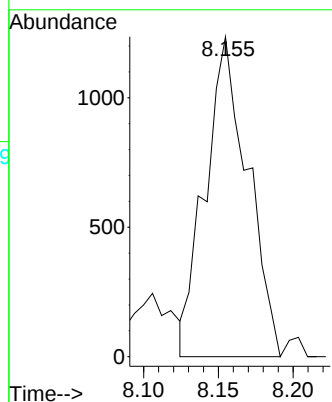
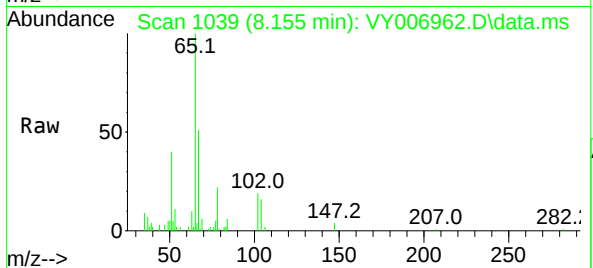




#33
Benzene
Concen: 1.408 ug/L
RT: 8.155 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY006962.D
Acq: 06 Dec 2021 15:51

Instrument :
MSVOA_Y
ClientSampleId :
EX8A2

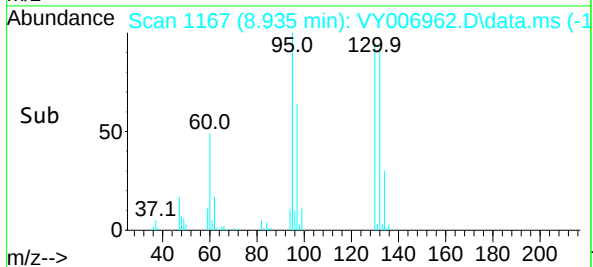
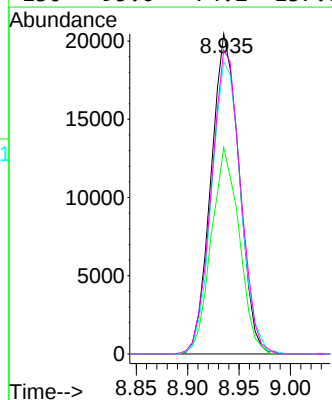
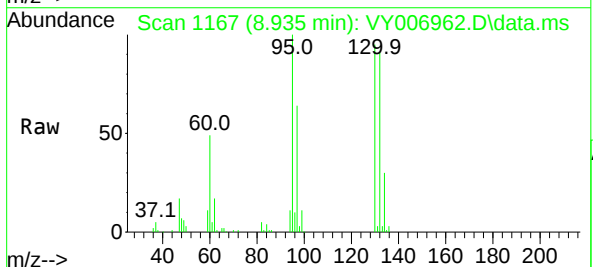
Tgt Ion: 78 Resp: 2433

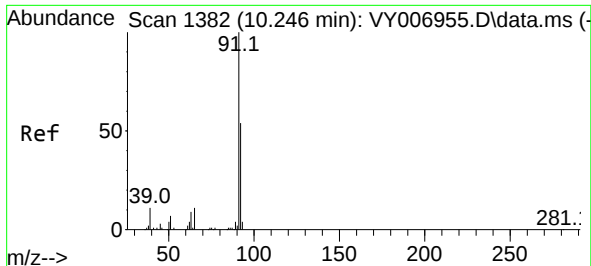


#34
Trichloroethene
Concen: 91.485 ug/L
RT: 8.935 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VY006962.D
Acq: 06 Dec 2021 15:51

Tgt Ion: 95 Resp: 38930

Ion	Ratio	Lower	Upper
95	100		
97	64.5	47.3	87.8
132	91.2	71.3	132.5
130	95.0	74.2	137.8

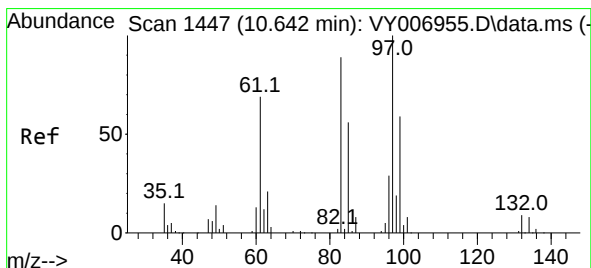
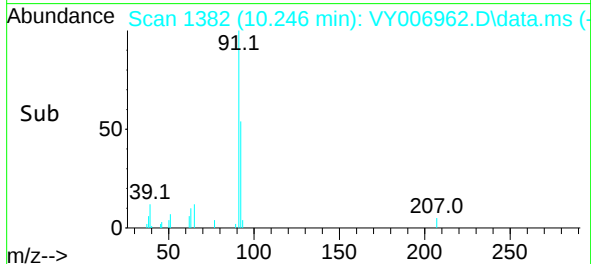
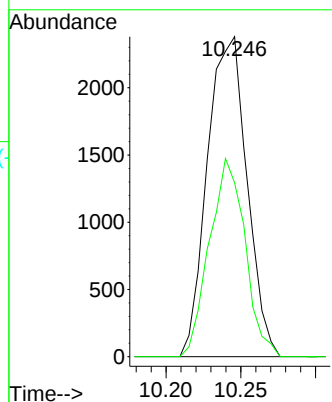
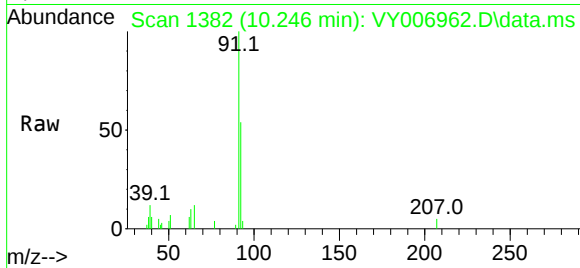




#42
Toluene
Concen: 2.376 ug/L
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY006962.D
Acq: 06 Dec 2021 15:51

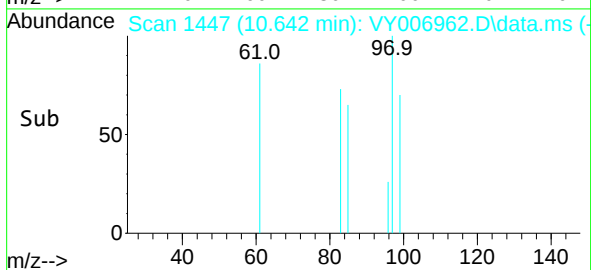
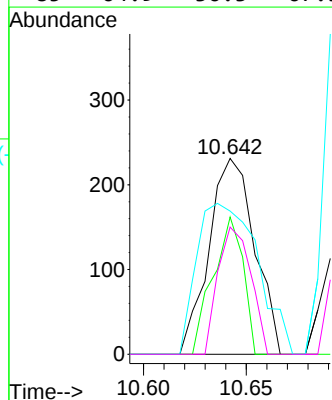
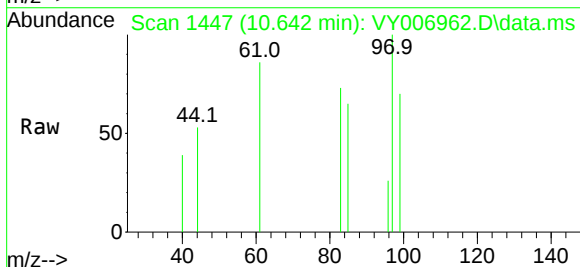
Instrument :
MSVOA_Y
ClientSampleId :
EX8A2

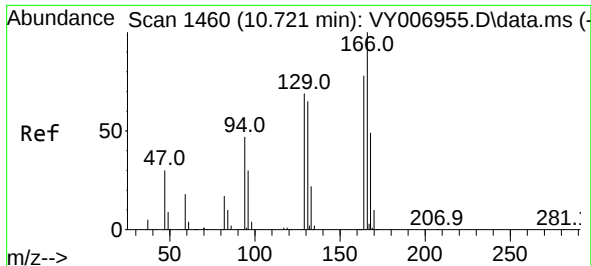
Tgt Ion: 91 Resp: 4380
Ion Ratio Lower Upper
91 100
92 54.4 39.8 74.0



#45
1,1,2-Trichloroethane
Concen: 1.097 ug/L
RT: 10.642 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VY006962.D
Acq: 06 Dec 2021 15:51

Tgt Ion: 97 Resp: 358
Ion Ratio Lower Upper
97 100
99 70.1 43.0 79.8
83 73.2 58.9 109.3
85 64.9 36.3 67.3

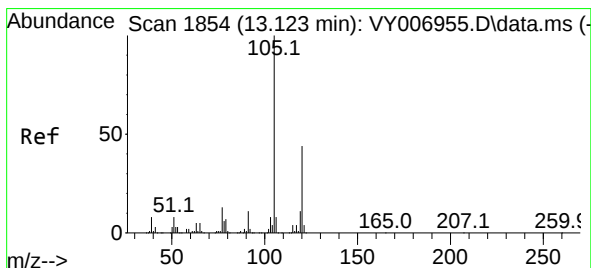
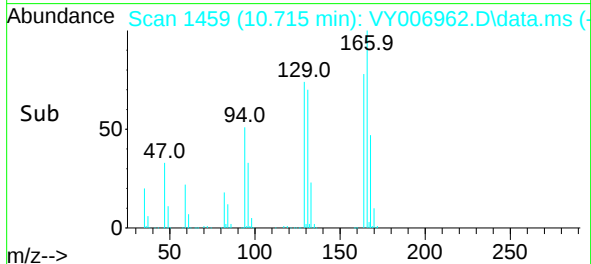
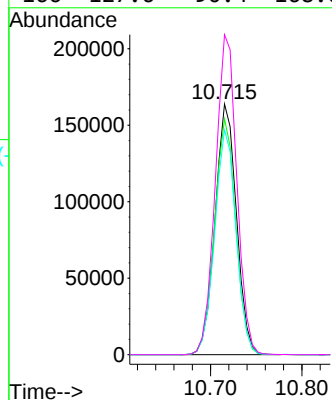
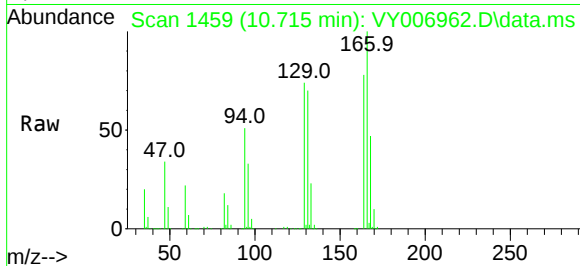




#46
Tetrachloroethene
Concen: 748.248 ug/L
RT: 10.715 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VY006962.D
Acq: 06 Dec 2021 15:51

Instrument :
MSVOA_Y
ClientSampleId :
EX8A2

Tgt Ion:164 Resp: 266764
Ion Ratio Lower Upper
164 100
129 94.0 62.1 115.3
131 89.7 61.0 113.2
166 127.6 90.4 168.0



#63
1,2,4-Trimethylbenzene
Concen: 0.733 ug/L
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY006962.D
Acq: 06 Dec 2021 15:51

Tgt Ion:105 Resp: 436
Ion Ratio Lower Upper
105 100
120 31.0 36.0 54.0#

