

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110624\
 Data File : VV037941.D
 Acq On : 06 Nov 2024 20:23
 Operator : SY/MD
 Sample : P4729-02
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COB82

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/07/2024
 Supervised By :Semsettin Yesilyurt 11/07/2024

Quant Time: Nov 06 22:49:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 06 22:44:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	272518	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	291378	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	147683	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.275	65	99495	4.770	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.400%
7) Chloroethane-d5	1.529	69	77392	4.552	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.053	65	42274	4.670	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.400%
20) 2-Butanone-d5	3.802	46	208601	53.656	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.320%
24) Chloroform-d	4.243	84	193102	5.079	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
26) 1,2-Dichloroethane-d4	4.940	65	88556	5.211	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.200%
32) Benzene-d6	4.953	84	356451	4.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	5.985	67	112129	5.110	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.200%
41) Toluene-d8	7.239	98	302481	4.479	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
43) trans-1,3-Dichloroprop...	7.558	79	34926	4.116	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.024	63	175309	53.167	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.340%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	94233	5.326	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.600%
66) 1,2-Dichlorobenzene-d4	11.554	152	130066	5.340	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.800%

Target Compounds

						Qvalue
5) Vinyl chloride	1.281	62	11987	0.471	ug/L #	48
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	36500	1.802	ug/L	96
12) 1,1-Dichloroethene	2.066	96	204073	10.963	ug/L #	80
16) Methylene chloride	2.439	84	1784349	82.110	ug/L	99
18) trans-1,2-Dichloroethene	2.703	96	4805	0.239	ug/L	87
19) 1,1-Dichloroethane	3.108	63	63627	1.742	ug/L	95
22) cis-1,2-Dichloroethene	3.805	96	638136	30.120	ug/L	99
25) Chloroform	4.268	83	199810	5.207	ug/L	97
29) 1,1,1-Trichloroethane	4.506	97	24389	0.700	ug/L	96
31) Carbon tetrachloride	4.728	117	55774	1.825	ug/L	98
34) Trichloroethene	5.821	95	19963659m	900.386	ug/L	
38) Bromodichloromethane	6.442	83	3813	0.144	ug/L #	91
42) Toluene	7.320	91	54561	0.644	ug/L	94
45) 1,1,2-Trichloroethane	7.780	97	4293	0.283	ug/L	94
47) Tetrachloroethene	7.895	164	559058	32.438	ug/L	99
52) Ethylbenzene	8.943	91	214291	2.348	ug/L	100
53) m,p-Xylene	9.066	106	365794	10.508	ug/L	95
54) o-Xylene	9.474	106	162983	4.920	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	26501	0.392	ug/L	95

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 06 22:44:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.847	105	85170	1.276	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	27003	0.670	ug/L	96

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

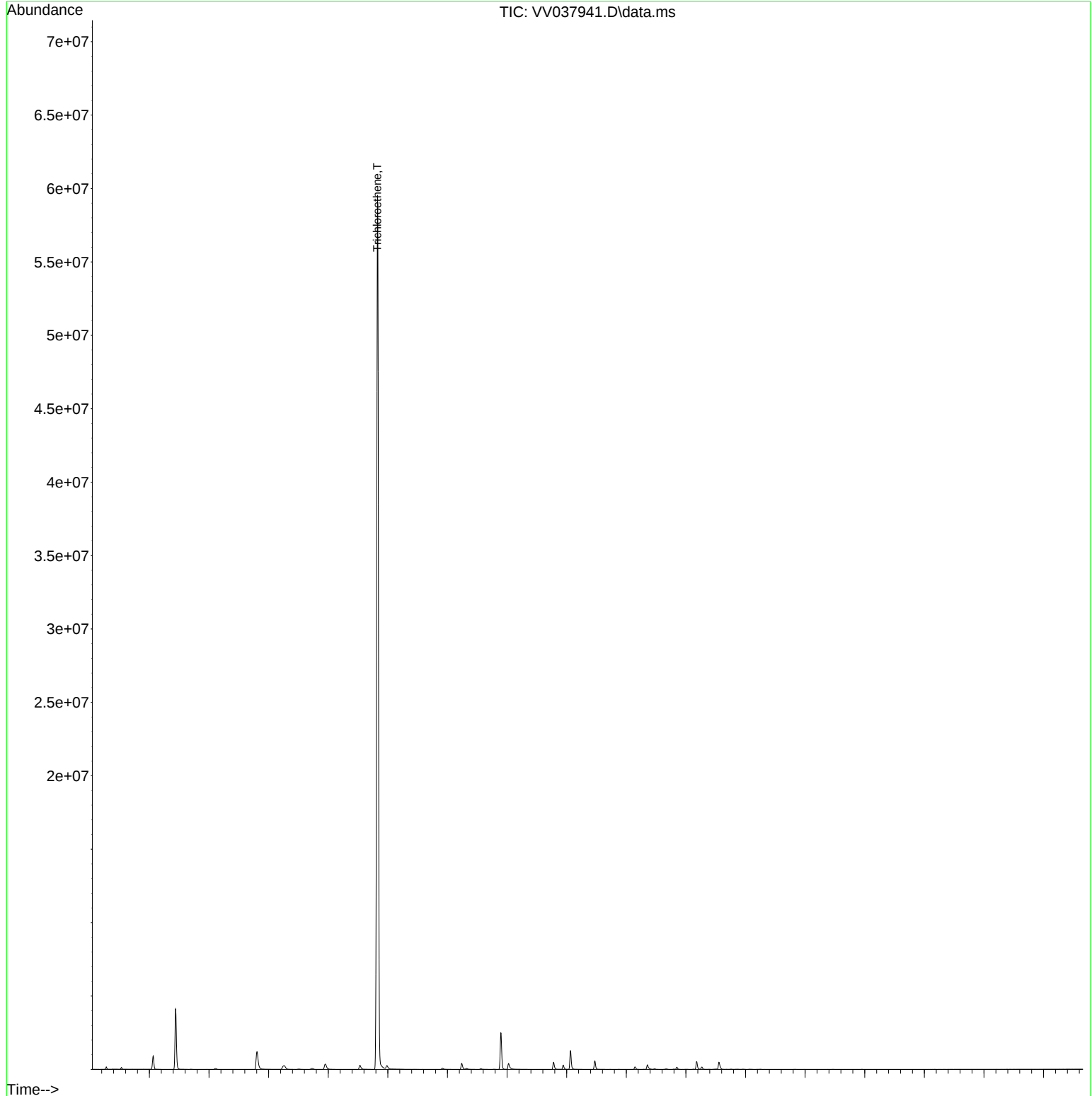
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110624\
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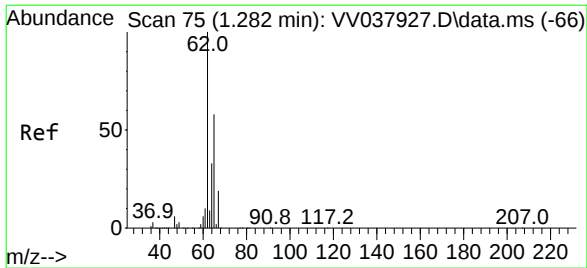
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MSVOA_V
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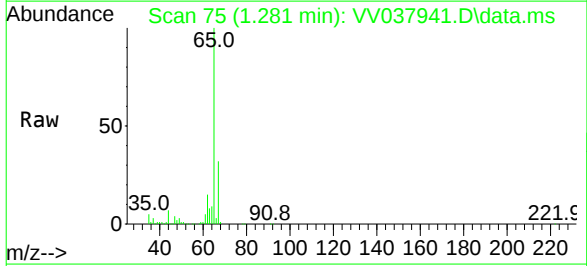
Quant Time: Nov 06 22:49:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110624WMA.M
Quant Title : TRACE VOA SFAM1.0
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#5
 Vinyl chloride
 Concen: 0.471 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV037941.D
 Acq: 06 Nov 2024 20:23

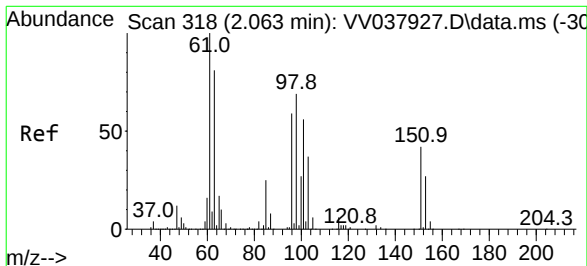
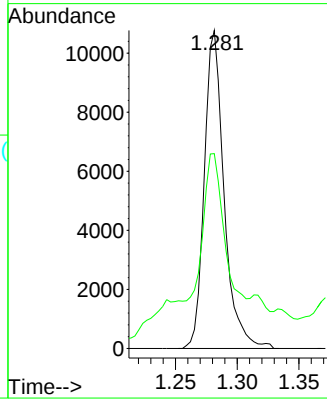
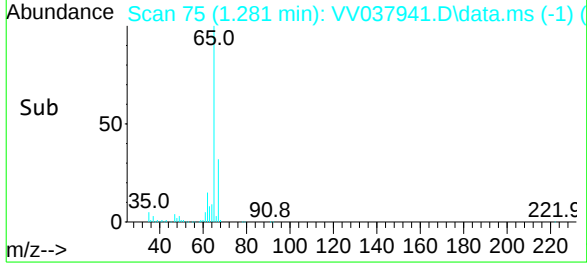
Instrument :
 MSVOA_V
 ClientSampleId :
 C0B82



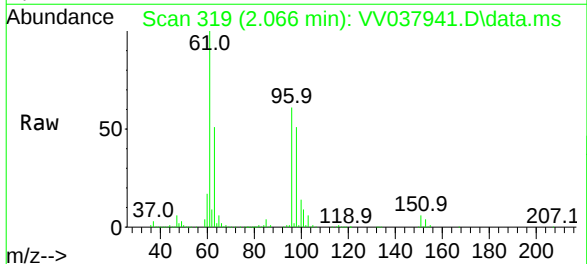
Tgt Ion: 62 Resp: 11987
 Ion Ratio Lower Upper
 62 100
 64 61.3 22.4 41.6#

Manual Integrations
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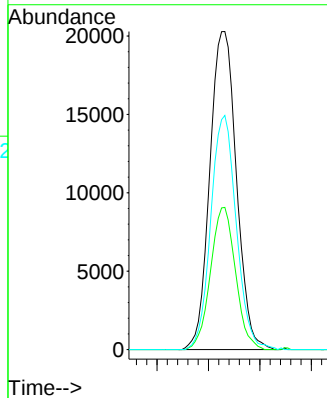
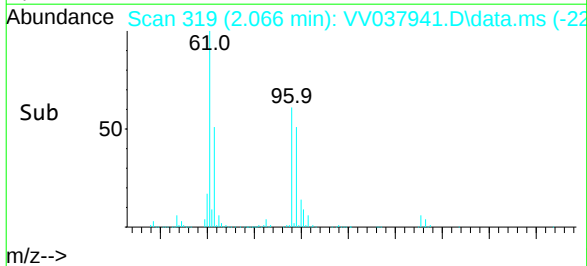
Reviewed By :Mahesh Dadoda 11/07/2024
 Supervised By :Semsettin Yesilyurt 11/07/2024

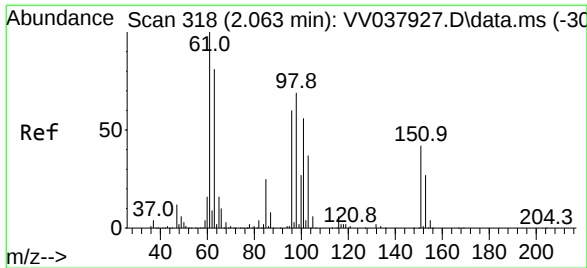


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.802 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.003 min
 Lab File: VV037941.D
 Acq: 06 Nov 2024 20:23



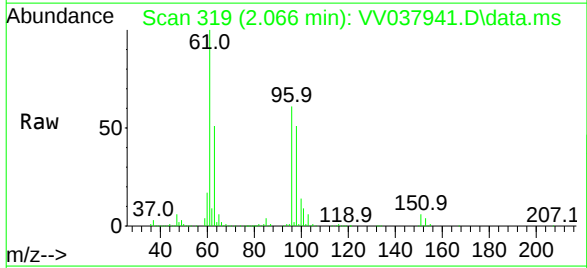
Tgt Ion:101 Resp: 36500
 Ion Ratio Lower Upper
 101 100
 85 41.9 35.0 52.6
 151 70.6 59.2 88.8





#12
1,1-Dichloroethene
Concen: 10.963 ug/L
RT: 2.066 min Scan# 318
Delta R.T. 0.003 min
Lab File: VV037941.D
Acq: 06 Nov 2024 20:23

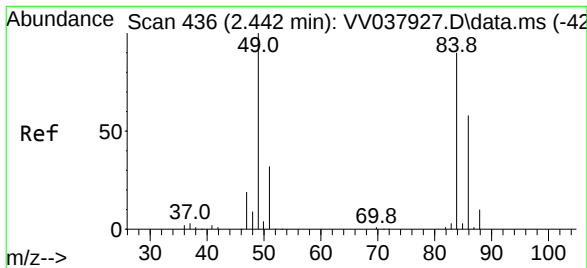
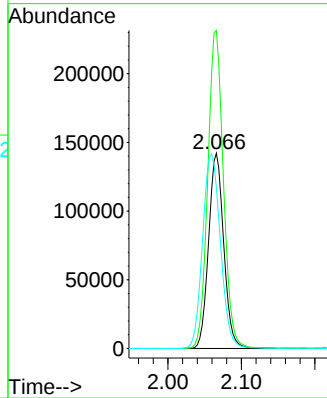
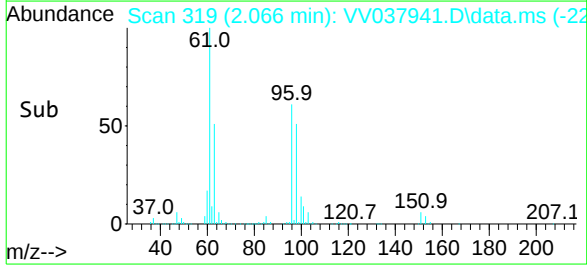
Instrument :
MSVOA_V
ClientSampleId :
C0B82



Tgt Ion: 96 Resp: 204073
Ion Ratio Lower Upper
96 100
61 162.9 117.4 218.0
63 82.5 91.7 170.3

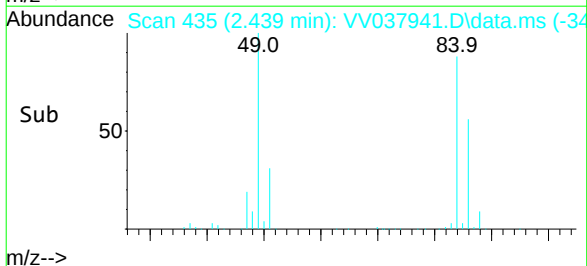
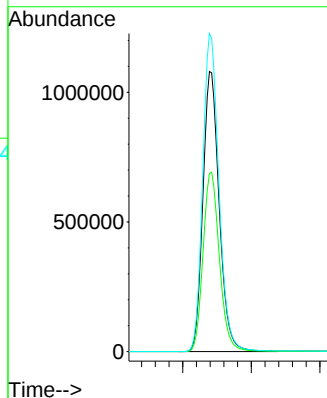
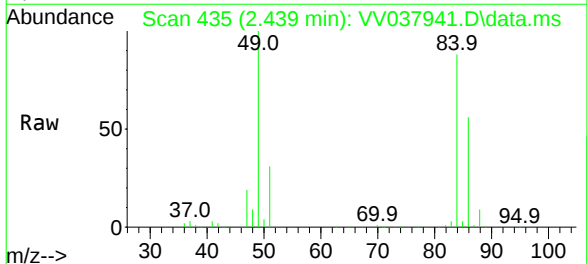
Manual Integrations
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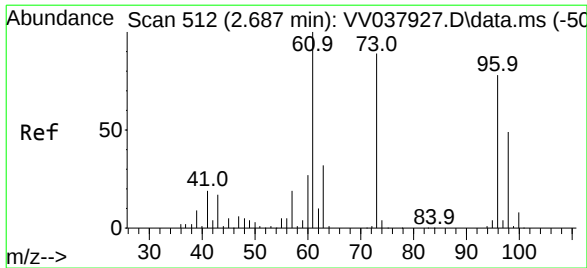
Reviewed By :Mahesh Dadoda 11/07/2024
Supervised By :Semsettin Yesilyurt 11/07/2024



#16
Methylene chloride
Concen: 82.110 ug/L
RT: 2.439 min Scan# 435
Delta R.T. -0.003 min
Lab File: VV037941.D
Acq: 06 Nov 2024 20:23

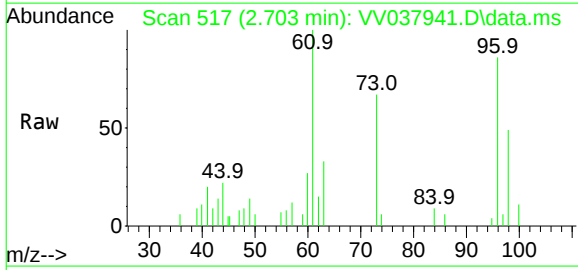
Tgt Ion: 84 Resp: 1784349
Ion Ratio Lower Upper
84 100
86 63.6 45.0 83.6
49 113.6 79.2 147.2





#18
trans-1,2-Dichloroethene
Concen: 0.239 ug/L
RT: 2.703 min Scan# 51
Delta R.T. 0.016 min
Lab File: VV037941.D
Acq: 06 Nov 2024 20:23

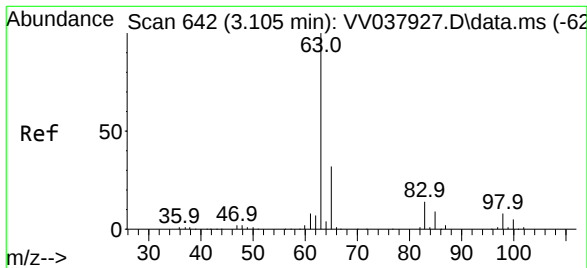
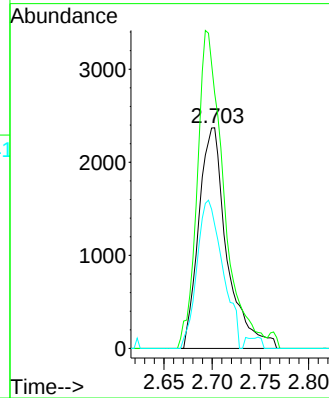
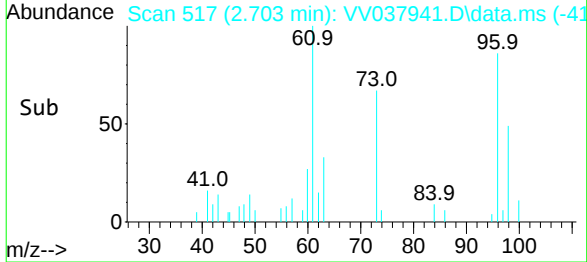
Instrument :
MSVOA_V
ClientSampleId :
C0B82



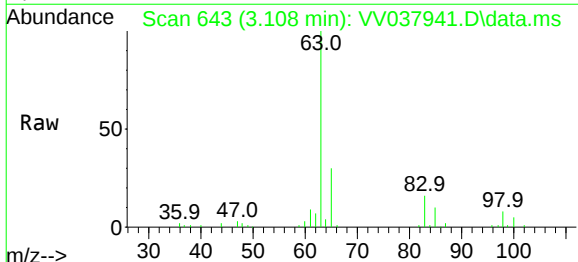
Tgt Ion: 96 Resp: 4805
Ion Ratio Lower Upper
96 100
61 115.6 93.2 173.0
98 56.1 44.4 82.4

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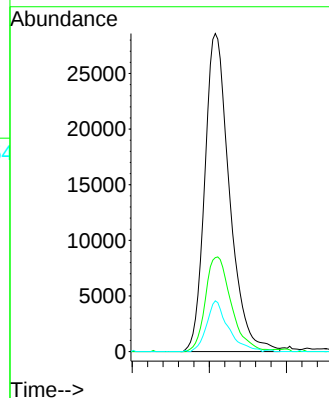
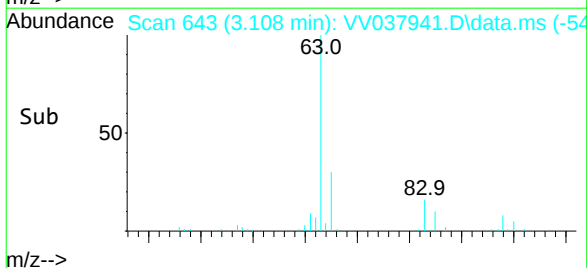
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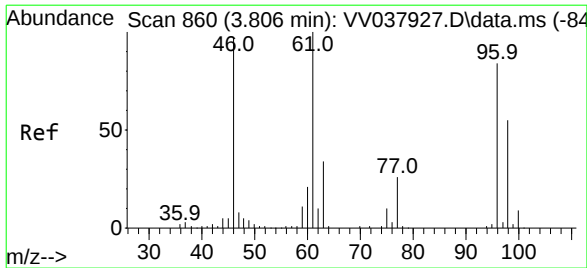


#19
1,1-Dichloroethane
Concen: 1.742 ug/L
RT: 3.108 min Scan# 643
Delta R.T. 0.003 min
Lab File: VV037941.D
Acq: 06 Nov 2024 20:23



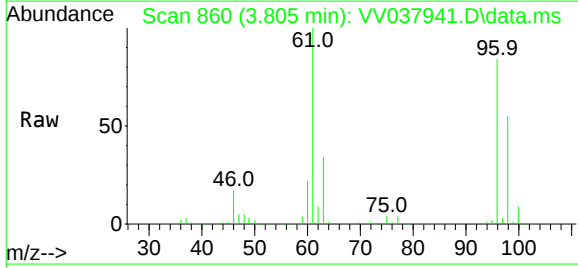
Tgt Ion: 63 Resp: 63627
Ion Ratio Lower Upper
63 100
65 29.5 22.3 41.3
83 16.0 9.5 17.7





#22
cis-1,2-Dichloroethene
Concen: 30.120 ug/L
RT: 3.805 min Scan# 860
Delta R.T. -0.000 min
Lab File: VV037941.D
Acq: 06 Nov 2024 20:23

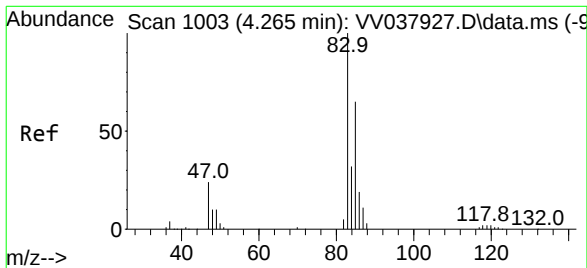
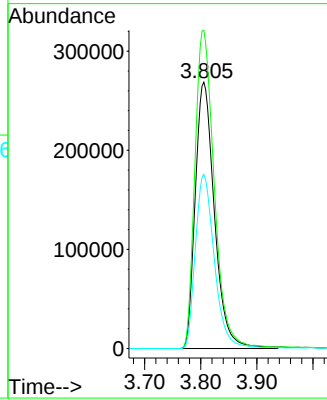
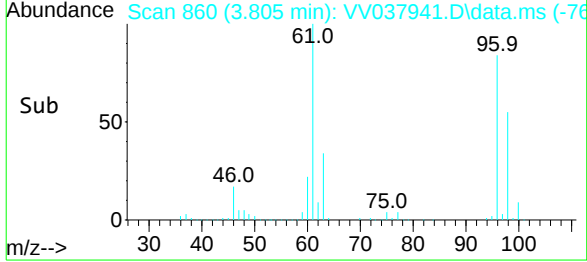
Instrument :
MSVOA_V
ClientSampleId :
C0B82



Tgt Ion: 96 Resp: 638136
Ion Ratio Lower Upper
96 100
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98 65.4 44.6 82.8

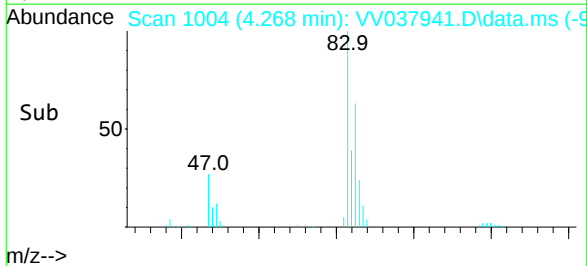
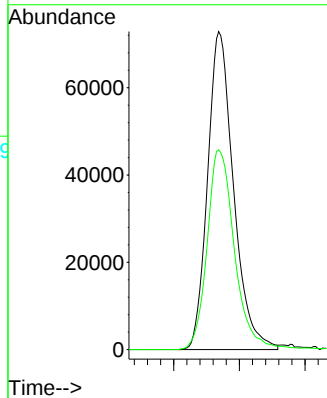
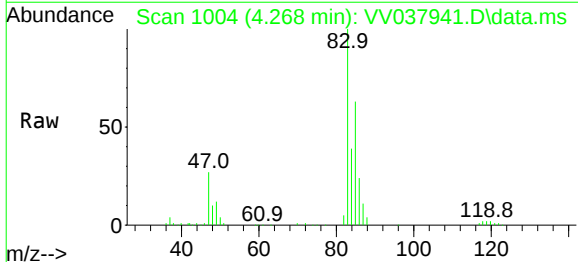
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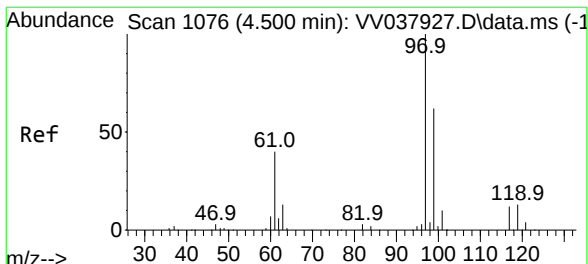
Reviewed By :Mahesh Dadoda 11/07/2024
Supervised By :Semsettin Yesilyurt 11/07/2024



#25
Chloroform
Concen: 5.207 ug/L
RT: 4.268 min Scan# 1004
Delta R.T. 0.003 min
Lab File: VV037941.D
Acq: 06 Nov 2024 20:23

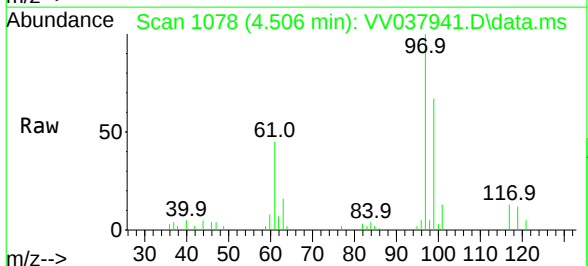
Tgt Ion: 83 Resp: 199810
Ion Ratio Lower Upper
83 100
85 62.8 45.5 84.5





#29
1,1,1-Trichloroethane
Concen: 0.700 ug/L
RT: 4.506 min Scan# 1076
Delta R.T. 0.006 min
Lab File: VV037941.D
Acq: 06 Nov 2024 20:23

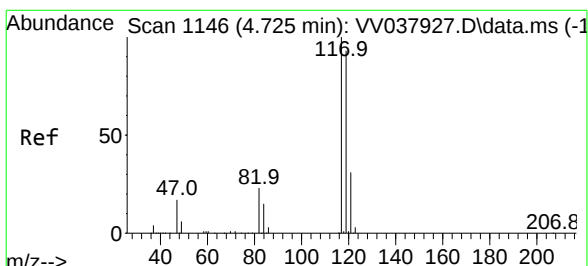
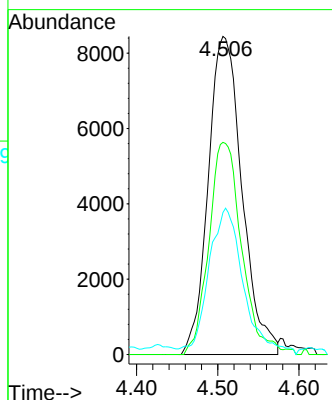
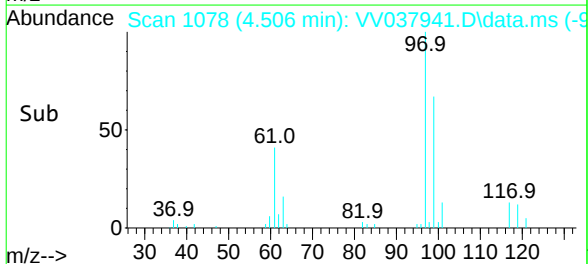
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Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.1	78.1
61	47.5	33.3	49.9

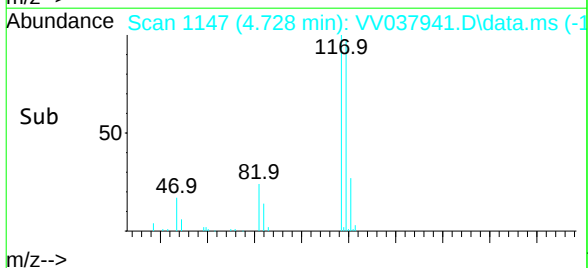
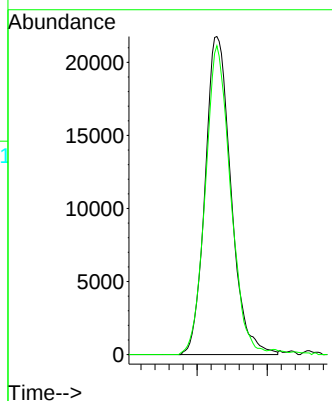
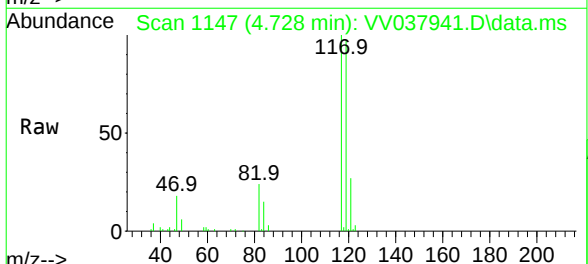
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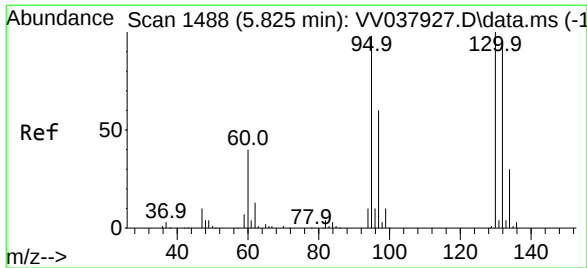
Reviewed By :Mahesh Dadoda 11/07/2024
Supervised By :Semsettin Yesilyurt 11/07/2024



#31
Carbon tetrachloride
Concen: 1.825 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. 0.003 min
Lab File: VV037941.D
Acq: 06 Nov 2024 20:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.2	115.8





#34

Trichloroethene

Concen: 900.386 ug/L m

RT: 5.821 min Scan# 14

Delta R.T. -0.003 min

Lab File: VV037941.D

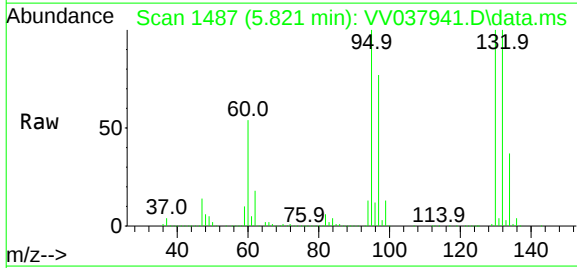
Acq: 06 Nov 2024 20:23

Instrument :

MSVOA_V

ClientSampleId :

C0B82



Tgt Ion: 95 Resp:19963659

Ion Ratio Lower Upper

95 100

97 76.8 46.9 87.1

132 100.0 70.5 130.9

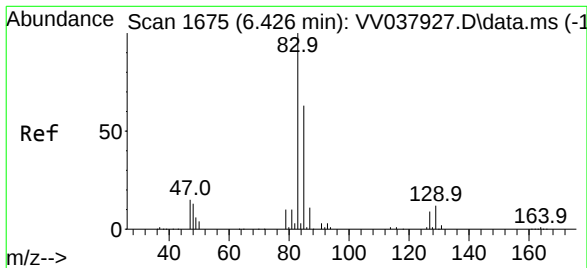
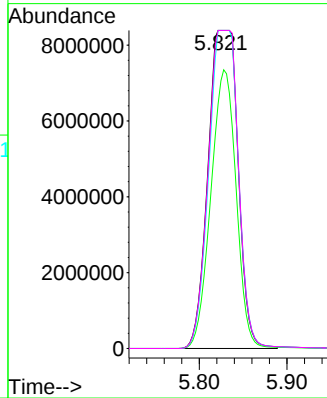
130 100.0 72.9 135.3

Manual Integrations

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Supervised By :Semsettin Yesilyurt 11/07/2024



#38

Bromodichloromethane

Concen: 0.144 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.016 min

Lab File: VV037941.D

Acq: 06 Nov 2024 20:23

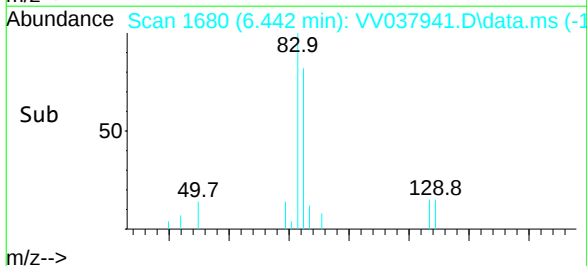
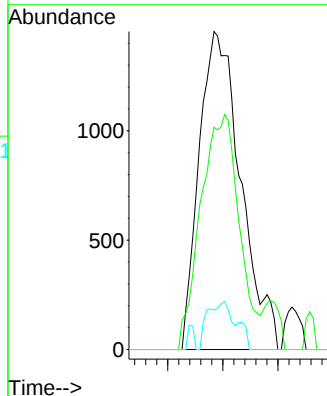
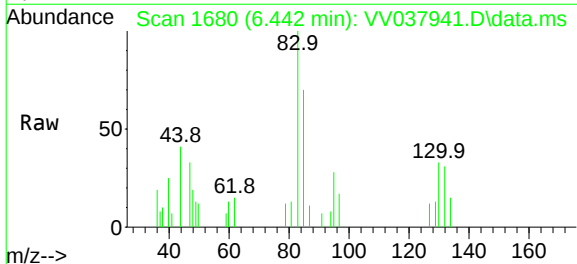
Tgt Ion: 83 Resp: 3813

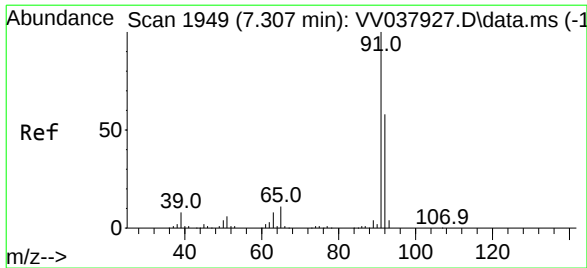
Ion Ratio Lower Upper

83 100

85 69.9 44.2 82.2

127 12.4 6.8 10.2#





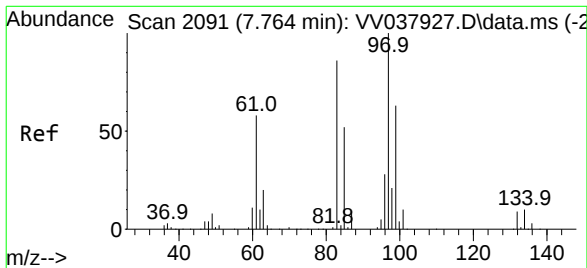
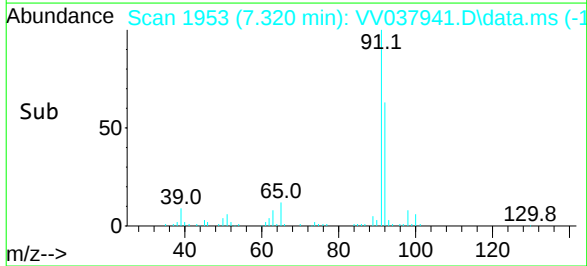
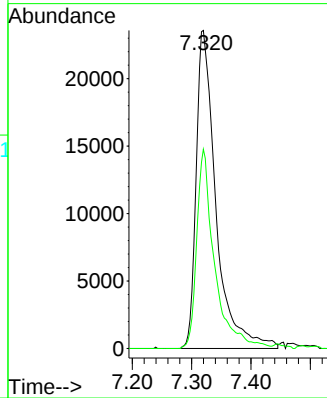
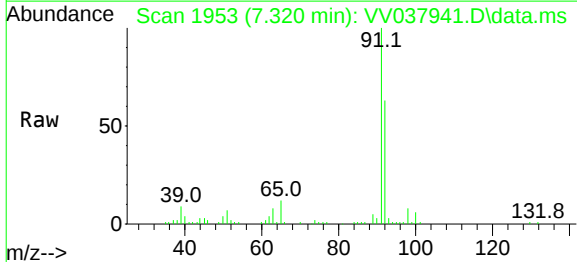
#42
Toluene
Concen: 0.644 ug/L
RT: 7.320 min Scan# 19
Delta R.T. 0.013 min
Lab File: VV037941.D
Acq: 06 Nov 2024 20:23

Instrument :
MSVOA_V
ClientSampleId :
C0B82

Tgt Ion: 91 Resp: 54561
Ion Ratio Lower Upper
91 100
92 62.6 40.7 75.7

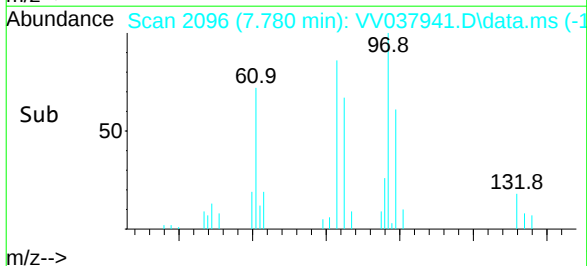
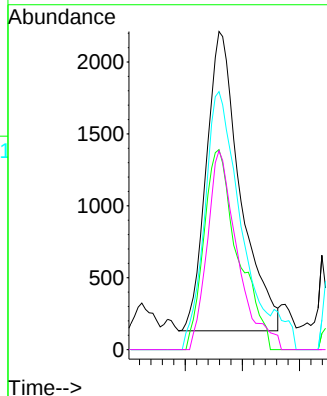
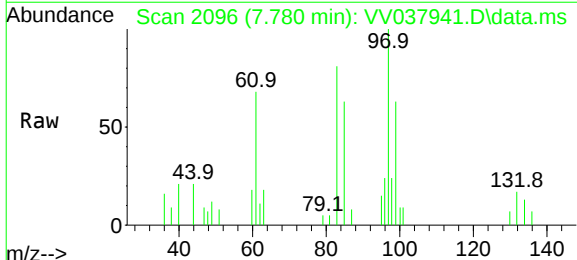
Manual Integrations
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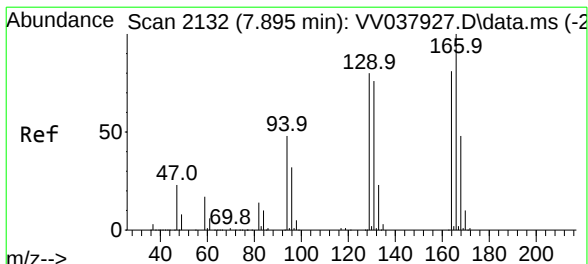
Reviewed By :Mahesh Dadoda 11/07/2024
Supervised By :Semsettin Yesilyurt 11/07/2024



#45
1,1,2-Trichloroethane
Concen: 0.283 ug/L
RT: 7.780 min Scan# 2096
Delta R.T. 0.016 min
Lab File: VV037941.D
Acq: 06 Nov 2024 20:23

Tgt Ion: 97 Resp: 4293
Ion Ratio Lower Upper
97 100
99 62.9 42.4 78.8
83 81.1 59.3 110.1
85 62.5 36.8 68.4





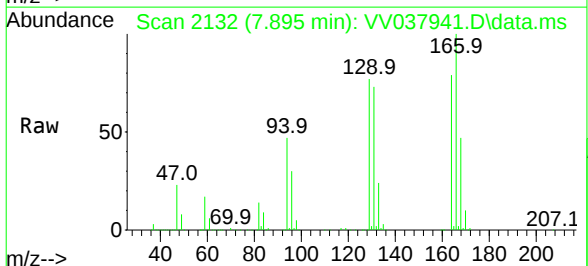
#47
Tetrachloroethene
Concen: 32.438 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. -0.000 min
Lab File: VV037941.D
Acq: 06 Nov 2024 20:23

Instrument :

MSVOA_V

ClientSampleId :

C0B82

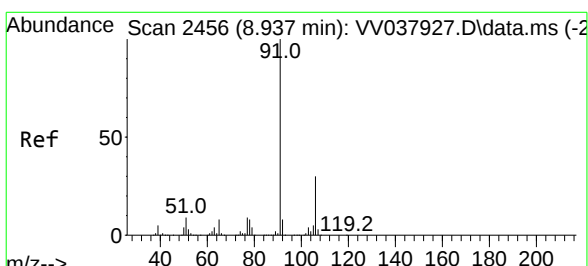
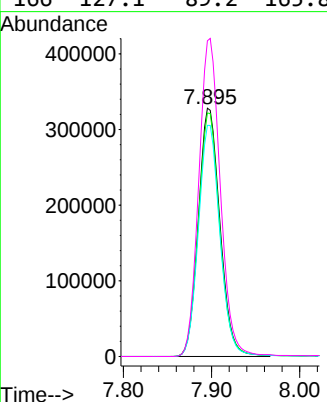
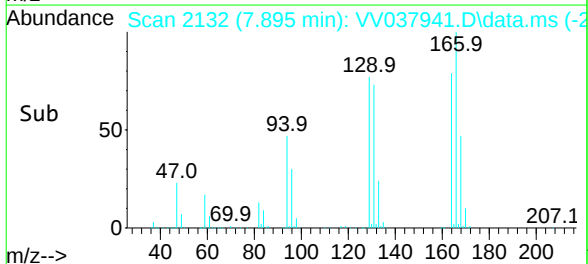


Tgt Ion	Ratio	Lower	Upper
164	100		
129	98.0	66.8	124.2
131	93.1	65.2	121.2
166	127.1	89.2	165.8

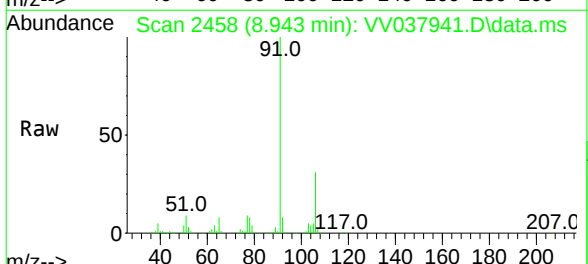
Manual Integrations

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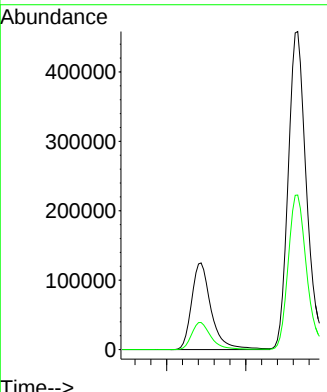
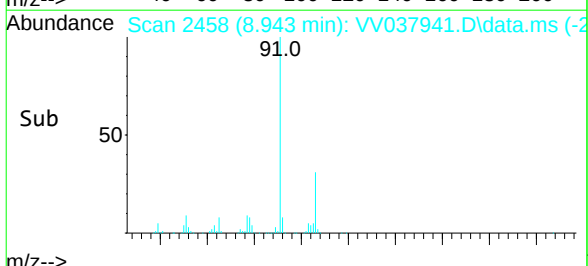
Reviewed By :Mahesh Dadoda 11/07/2024
Supervised By :Semsettin Yesilyurt 11/07/2024

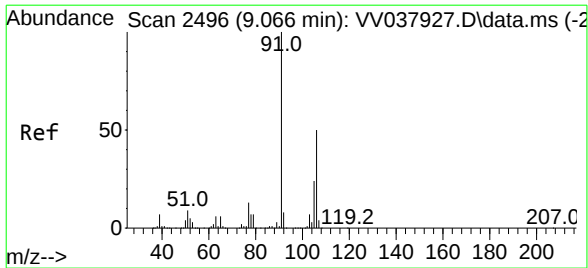


#52
Ethylbenzene
Concen: 2.348 ug/L
RT: 8.943 min Scan# 2458
Delta R.T. 0.006 min
Lab File: VV037941.D
Acq: 06 Nov 2024 20:23



Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	21.8	40.4





#53

m,p-Xylene

Concen: 10.508 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. -0.000 min

Lab File: VV037941.D

Acq: 06 Nov 2024 20:23

Instrument :

MSVOA_V

ClientSampleId :

C0B82

Tgt Ion:106 Resp: 365794

Ion Ratio Lower Upper

106 100

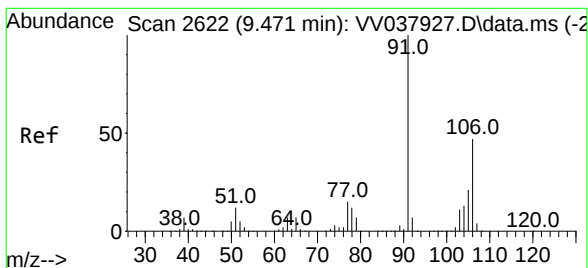
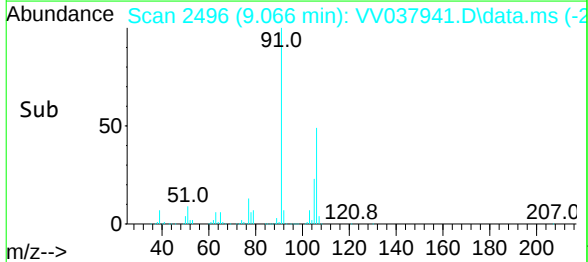
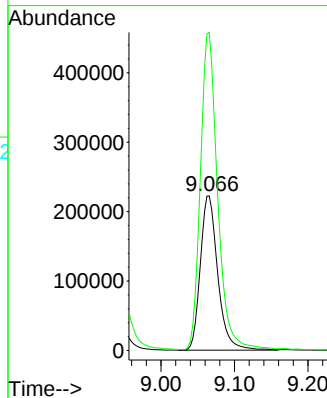
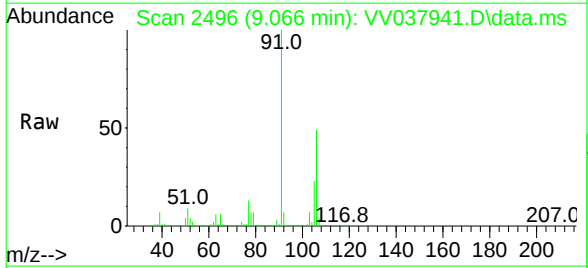
91 205.7 139.0 258.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/07/2024

Supervised By :Semsettin Yesilyurt 11/07/2024



#54

o-Xylene

Concen: 4.920 ug/L

RT: 9.474 min Scan# 2623

Delta R.T. 0.003 min

Lab File: VV037941.D

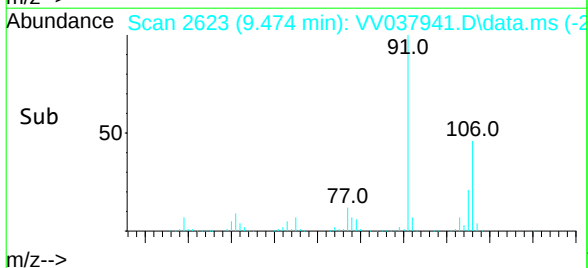
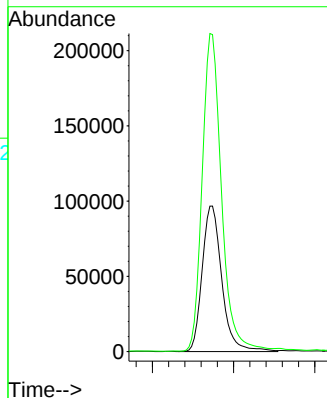
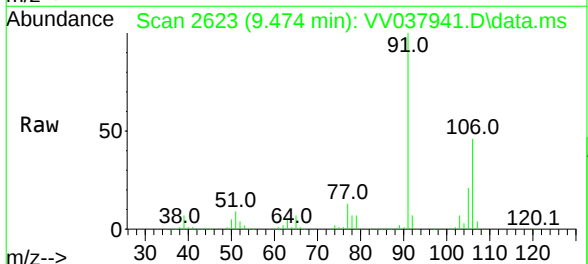
Acq: 06 Nov 2024 20:23

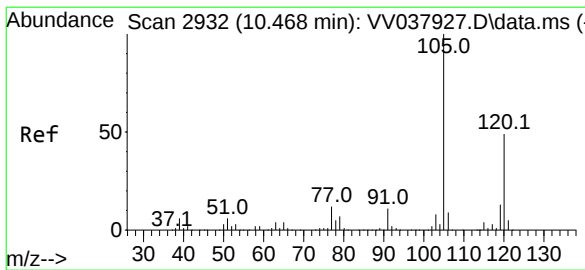
Tgt Ion:106 Resp: 162983

Ion Ratio Lower Upper

106 100

91 217.8 152.0 282.2





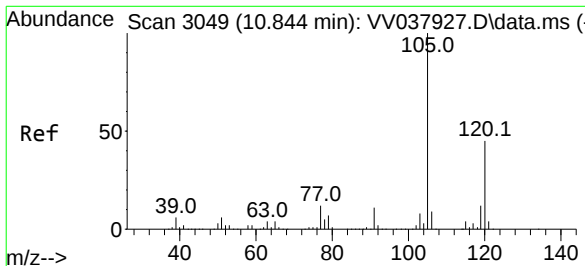
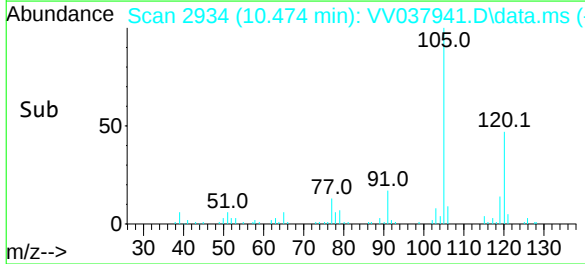
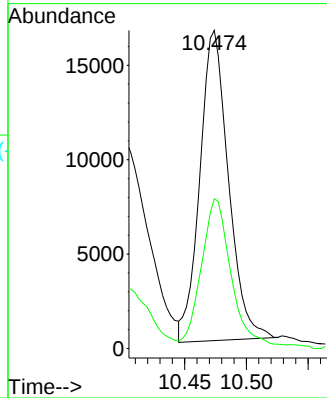
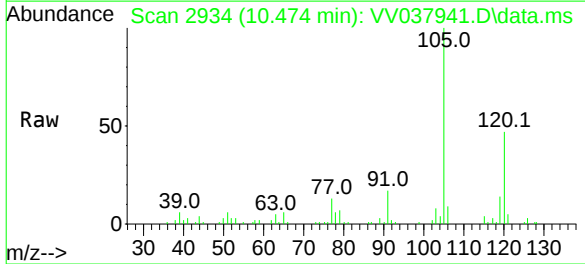
#62
1,3,5-Trimethylbenzene
Concen: 0.392 ug/L
RT: 10.474 min Scan# 2932
Delta R.T. 0.006 min
Lab File: VV037941.D
Acq: 06 Nov 2024 20:23

Instrument :
MSVOA_V
ClientSampleId :
C0B82

Tgt Ion:105 Resp: 26501
Ion Ratio Lower Upper
105 100
120 51.9 39.0 58.6

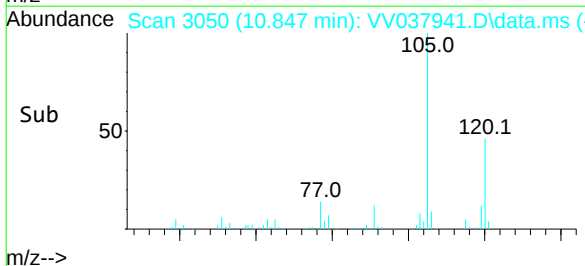
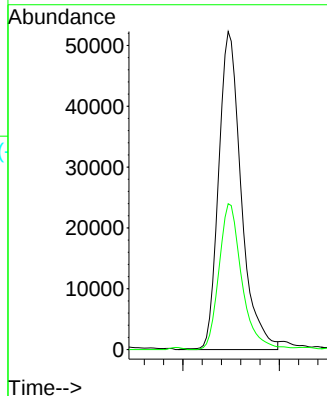
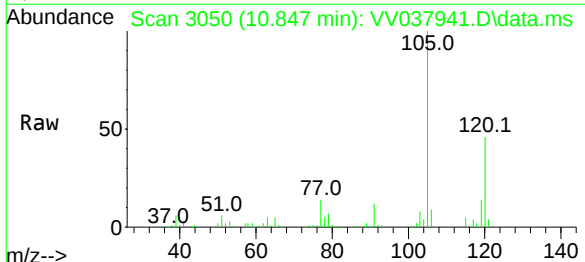
Manual Integrations
APPROVED

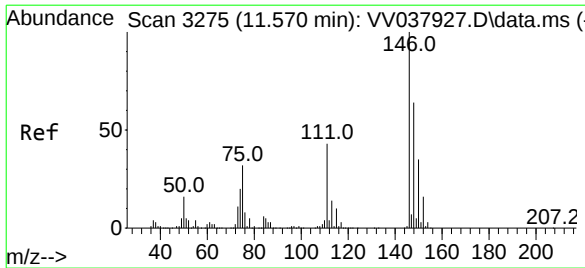
Reviewed By :Mahesh Dadoda 11/07/2024
Supervised By :Semsettin Yesilyurt 11/07/2024



#63
1,2,4-Trimethylbenzene
Concen: 1.276 ug/L
RT: 10.847 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VV037941.D
Acq: 06 Nov 2024 20:23

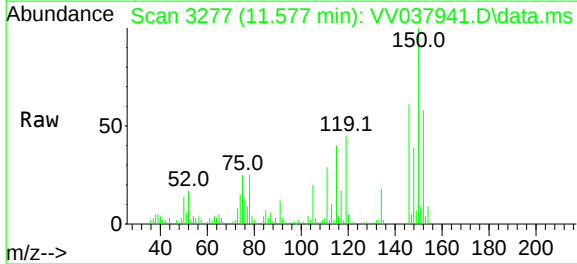
Tgt Ion:105 Resp: 85170
Ion Ratio Lower Upper
105 100
120 46.4 36.2 54.4





#67
1,2-Dichlorobenzene
Concen: 0.670 ug/L
RT: 11.577 min Scan# 32
Delta R.T. 0.006 min
Lab File: VV037941.D
Acq: 06 Nov 2024 20:23

Instrument :
MSVOA_V
ClientSampleId :
C0B82



Tgt	Ion	146	Resp:	27003
Ion	Ratio	Lower	Upper	
146	100			
111	47.3	33.9	50.9	
148	63.2	51.4	77.2	

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/07/2024
Supervised By :Semsettin Yesilyurt 11/07/2024

