

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072020\
 Data File : VV017557.D
 Acq On : 20 Jul 2020 20:06
 Operator : SY/MD
 Sample : L3336-17MSD
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2MSD

Manual Integrations
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MMDadoda
 7/22/2020 11:03:53 AM

Quant Time: Jul 21 04:07:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 18:07:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	355745	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	341368	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168608	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76548	38.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.14%
7) Chloroethane-d5	1.58	69	57475	35.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.38%
11) 1,1-Dichloroethene-d2	2.13	63	389449	80.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	161.38%#
21) 2-Butanone-d5	3.91	46	152025	105.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.44%
24) Chloroform-d	4.38	84	206228	45.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.72%
26) 1,2-Dichloroethane-d4	5.06	65	142918	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.12%
32) Benzene-d6	5.07	84	379010	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.68%
36) 1,2-Dichloropropane-d6	6.09	67	117087	52.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.44%
41) Toluene-d8	7.34	98	343254	48.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.22%
43) trans-1,3-Dichloropropene-	7.64	79	61730	45.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.36%
47) 2-Hexanone-d5	8.11	63	113607	108.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.94%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	168745	52.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	154030	50.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.10%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	47768	16.760	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	21469	8.096	ug/L	95
12) 1,1-Dichloroethene	2.13	96	461779m	194.583	ug/L	
13) Acetone	2.19	43	4696	2.670	ug/L	96
16) Methylene chloride	2.52	84	2624	0.986	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	15844	6.900	ug/L	96
19) 1,1-Dichloroethane	3.21	63	5901457	1375.845	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	593164	235.448	ug/L	97
27) 1,2-Dichloroethane	5.16	62	88211	21.357	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	45746	10.026	ug/L	95
33) Benzene	5.12	78	518383	58.786	ug/L	100
34) Trichloroethene	5.94	95	886658	364.814	ug/L	97
42) Toluene	7.41	91	501303	51.451	ug/L	98
51) Chlorobenzene	8.90	112	381758	55.663	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	17983	3.411	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	54752	9.970	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	8295	2.189	ug/L	99

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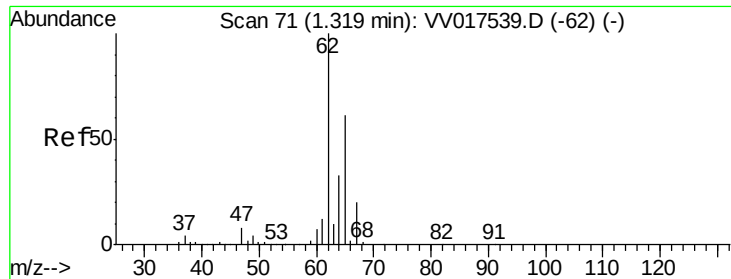
Manual Integrations
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Quant Time: Jul 21 04:07:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jul 20 18:07:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5

Vinyl chloride

Concen: 16.760 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017557.D

Acq: 20 Jul 2020 20:06

Instrument :

MSVOA_V

ClientSampleId :

PMW-2MSD

Tot Ion: 62 Resp: 47768

Ion Ratio Lower Upper

62 100

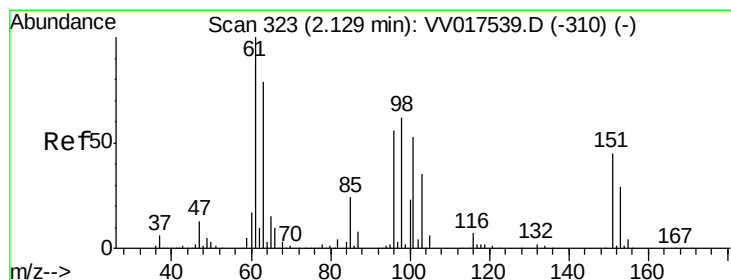
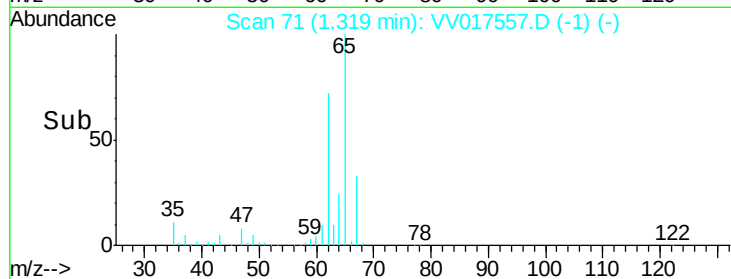
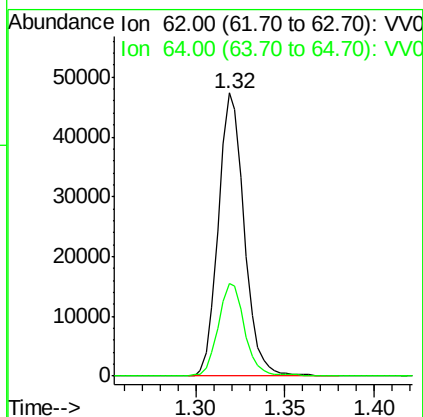
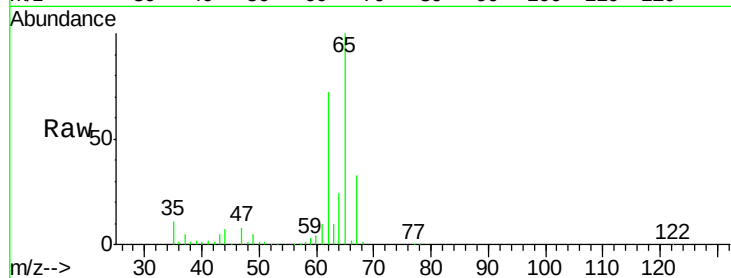
64 32.7 23.0 42.8

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 8.096 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017557.D

Acq: 20 Jul 2020 20:06

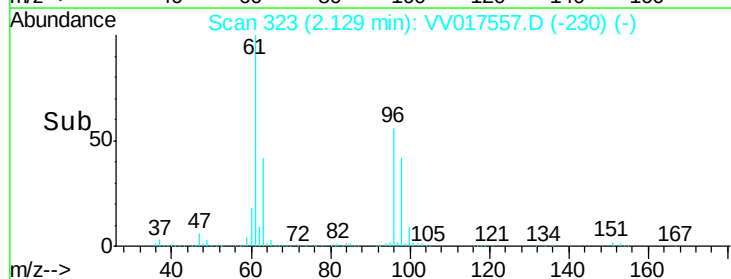
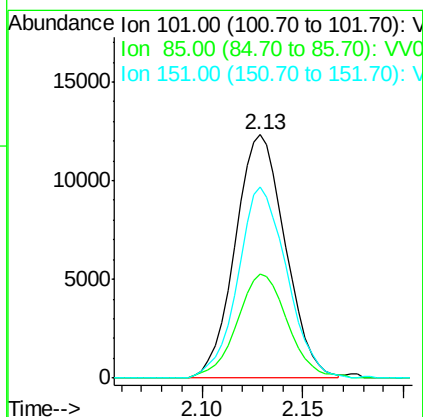
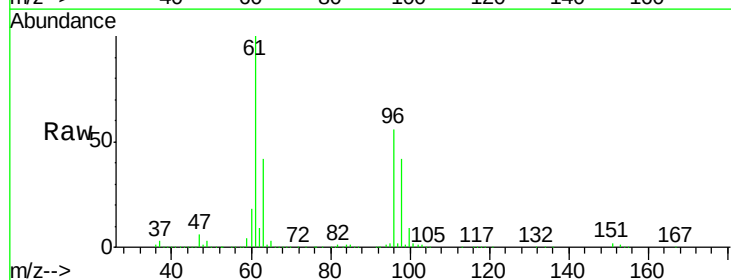
Tgt Ion: 101 Resp: 21469

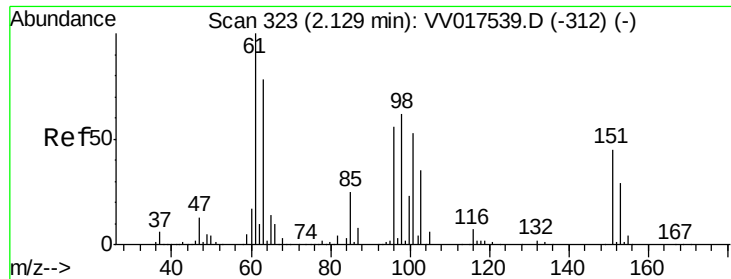
Ion Ratio Lower Upper

101 100

85 43.1 36.2 54.4

151 76.5 65.9 98.9





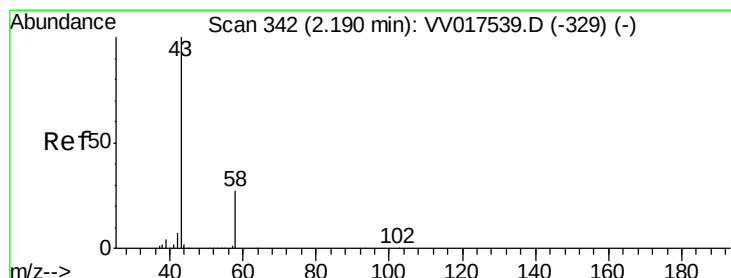
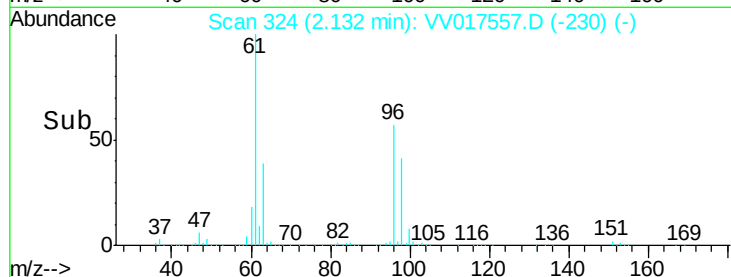
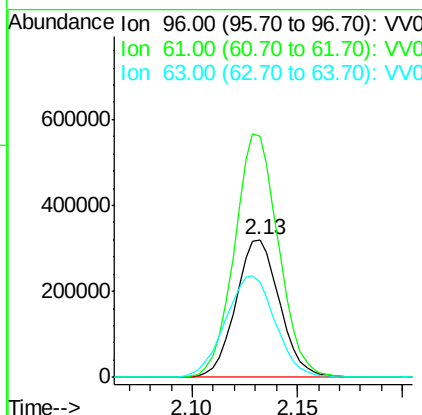
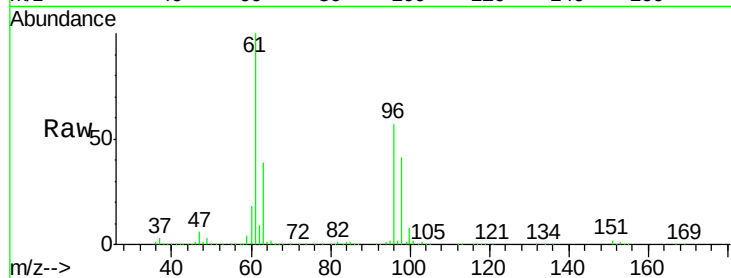
#12
 1,1-Dichloroethene
 Concen: 194.583 ug/L m
 RT: 2.13 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: VV017557.D
 Acq: 20 Jul 2020 20:06

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	174.9	126.0	234.0
63	68.6	99.8	185.4

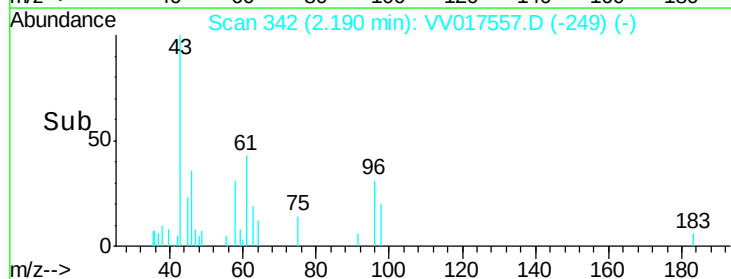
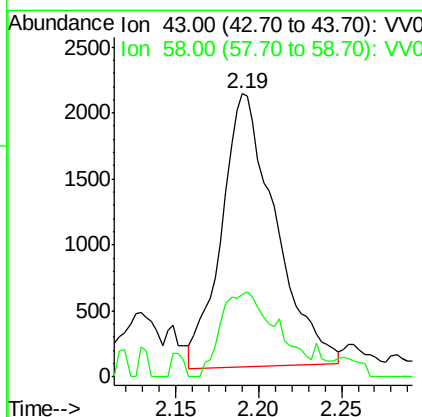
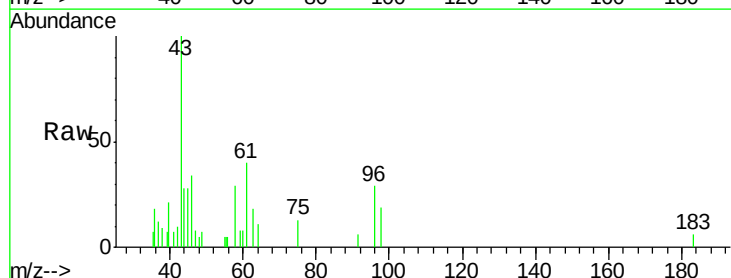
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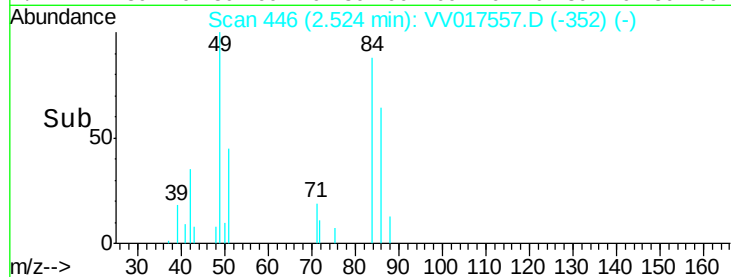
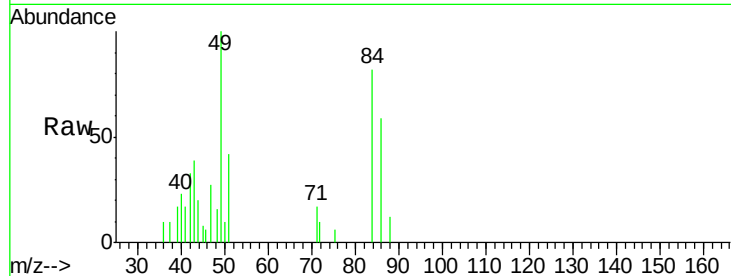
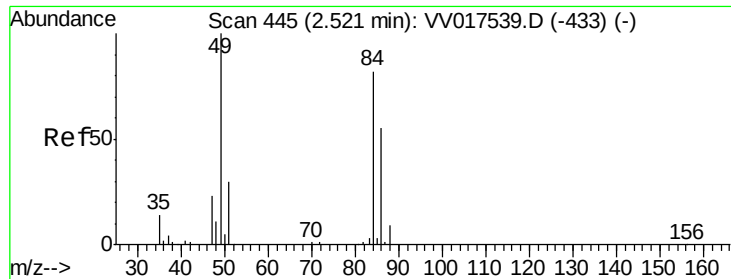
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#13
 Acetone
 Concen: 2.670 ug/L
 RT: 2.19 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VV017557.D
 Acq: 20 Jul 2020 20:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	25.9	0.0	56.0





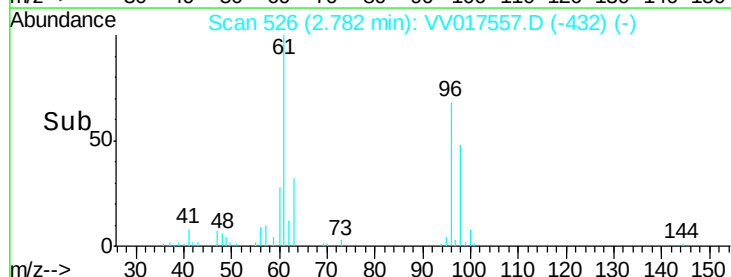
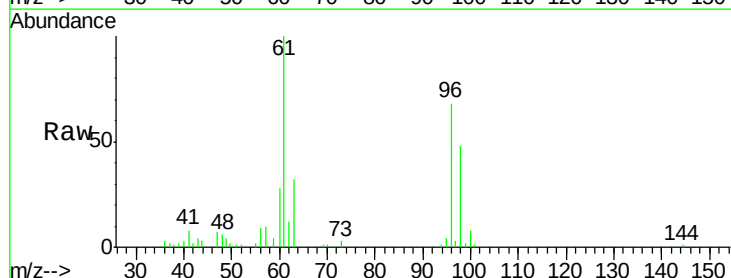
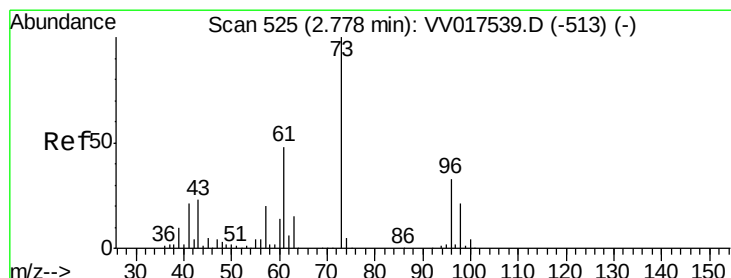
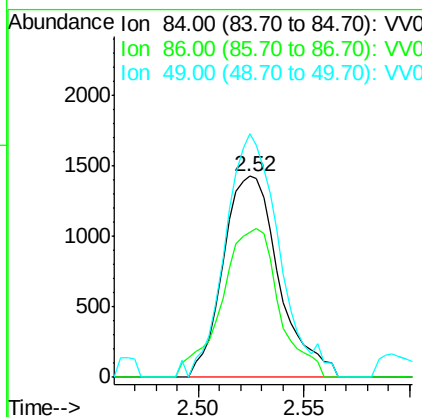
#16
Methvlene chloride
Concen: 0.986 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017557.D
Acq: 20 Jul 2020 20:06

Tot Ion	Ratio	Lower	Upper
84	100		
86	72.1	47.1	87.5
49	121.3	85.8	159.4

Instrument :
MSVOA_V
ClientSampleId :
PMW-2MSD

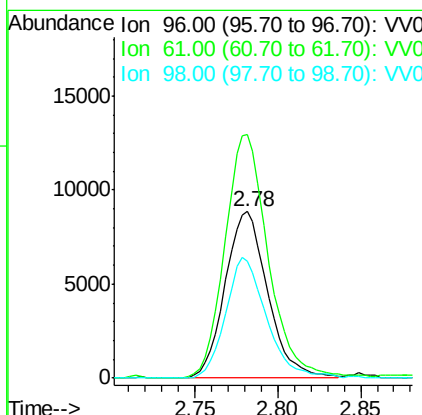
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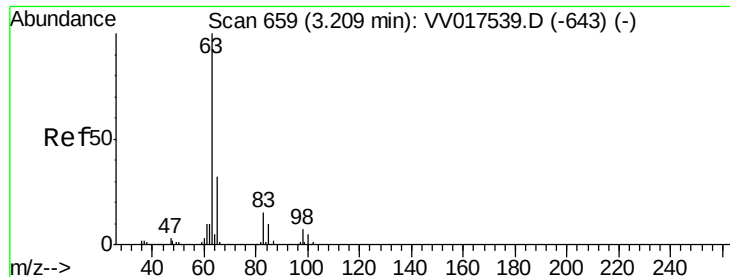
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#17
trans-1,2-Dichloroethene
Concen: 6.900 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV017557.D
Acq: 20 Jul 2020 20:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.2	100.4	186.6
98	70.1	44.8	83.2





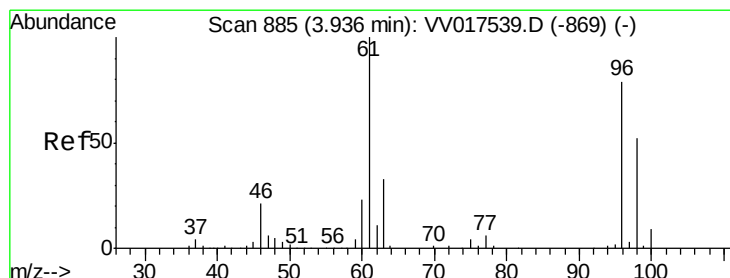
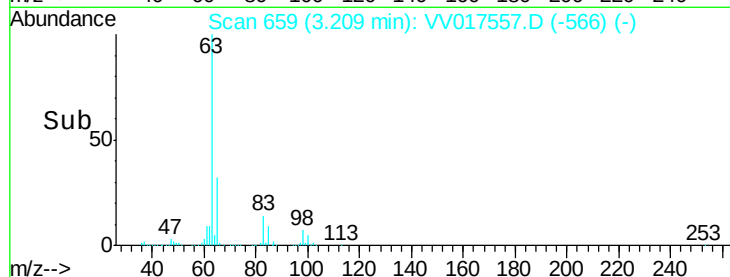
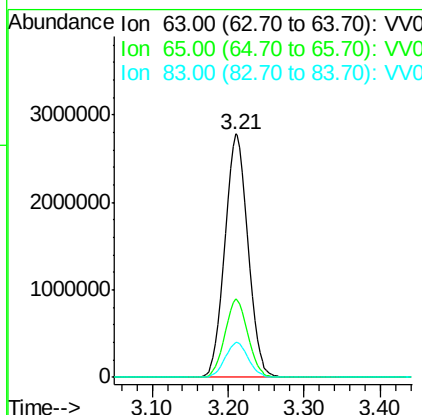
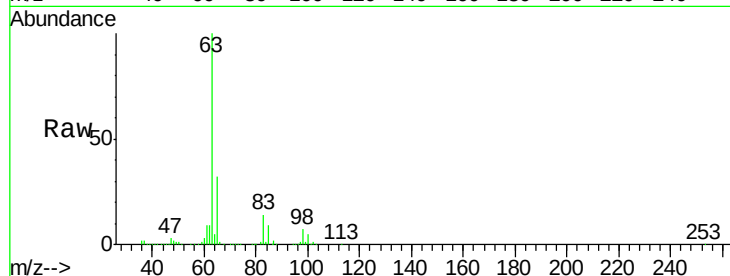
#19
1,1-Dichloroethane
Concen: 1375.845 ug/L
RT: 3.21 min Scan# 659
Delta R.T. -0.00 min
Lab File: VV017557.D
Acq: 20 Jul 2020 20:06

Instrument :
MSVOA_V
ClientSampleId :
PMW-2MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.0	41.0
83	14.3	10.1	18.9

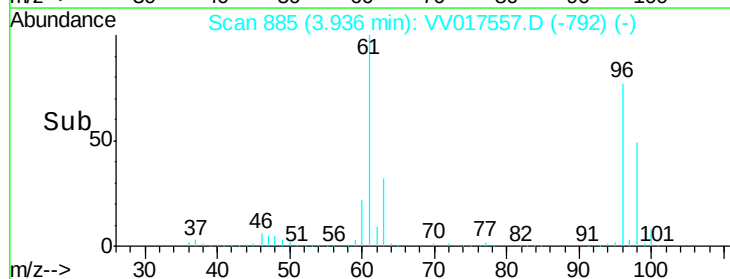
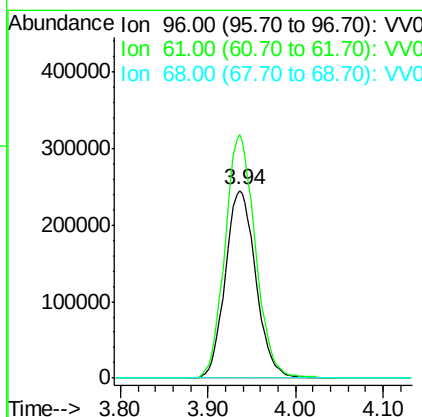
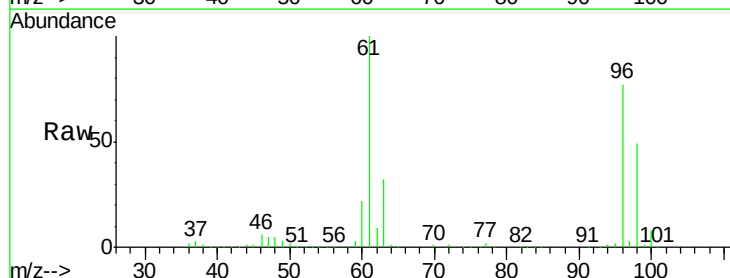
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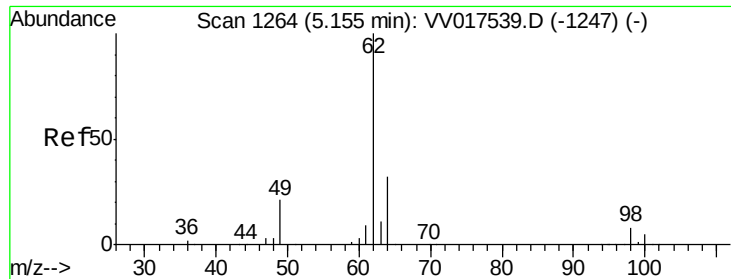
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#20
cis-1,2-Dichloroethene
Concen: 235.448 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV017557.D
Acq: 20 Jul 2020 20:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.7	88.5	164.4
68	0.0	0.0	0.0





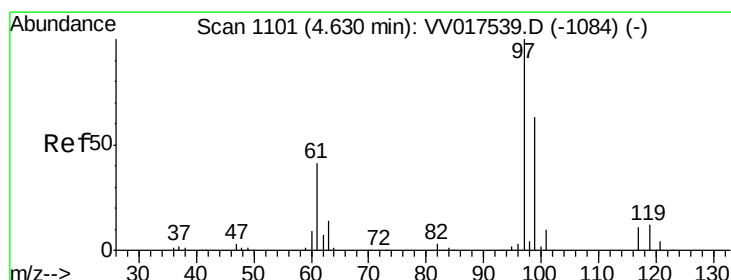
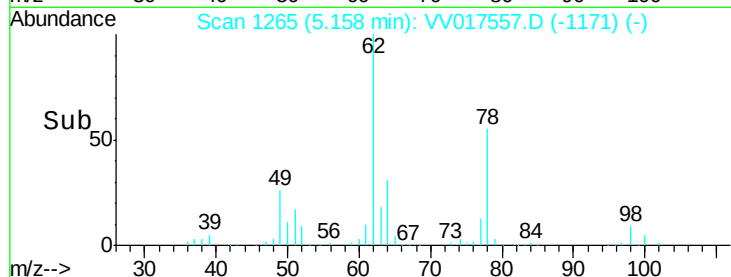
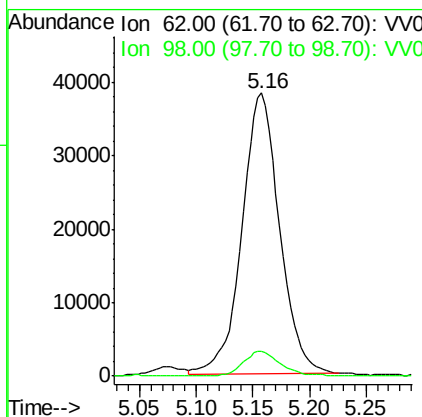
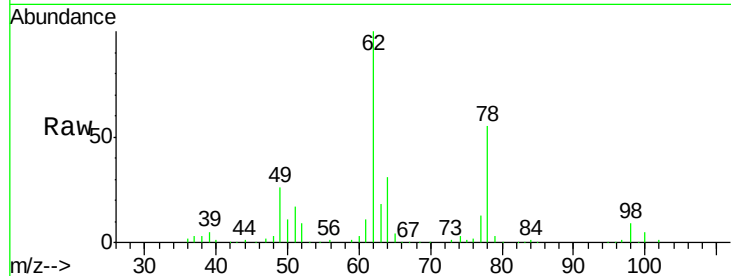
#27
 1,2-Dichloroethane
 Concen: 21.357 ug/L
 RT: 5.16 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VV017557.D
 Acq: 20 Jul 2020 20:06

Instrument :
 MSVOA_V
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Tot Ion	Ratio	Resp	Lower	Upper
62	100	88211		
98	8.9	6.2	9.4	

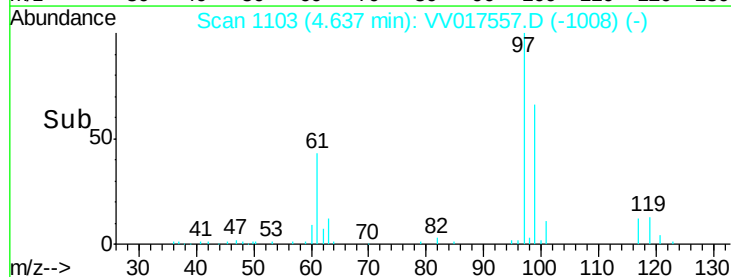
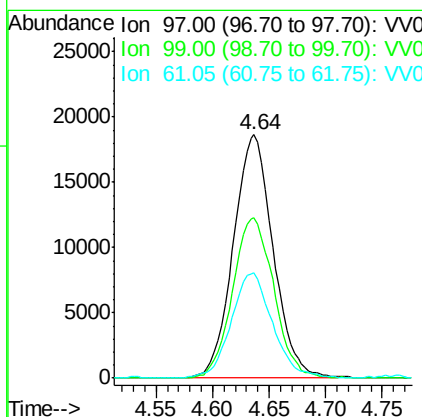
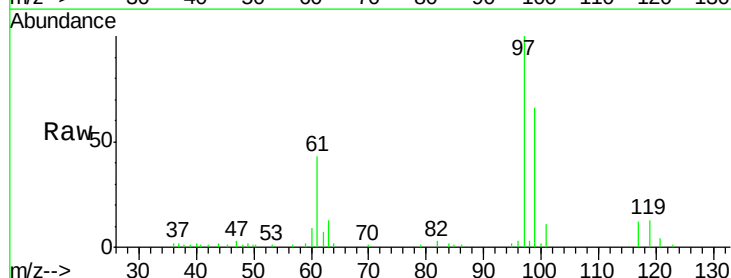
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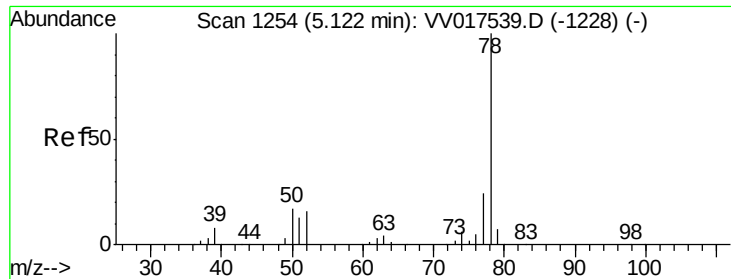
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#30
 1,1,1-Trichloroethane
 Concen: 10.026 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VV017557.D
 Acq: 20 Jul 2020 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	45746		
99	68.0	50.5	75.7	
61	44.8	34.1	51.1	





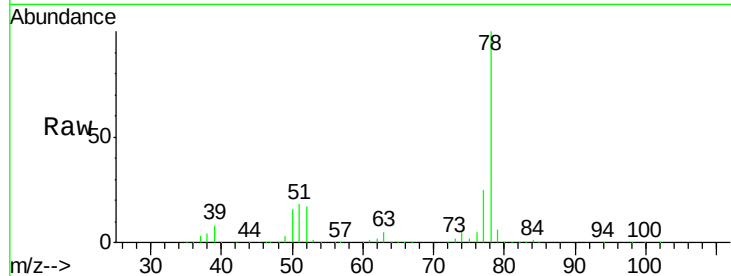
#33
Benzene
Concen: 58.786 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV017557.D
Acq: 20 Jul 2020 20:06

Instrument :
MSVOA_V
ClientSampleId :
PMW-2MSD

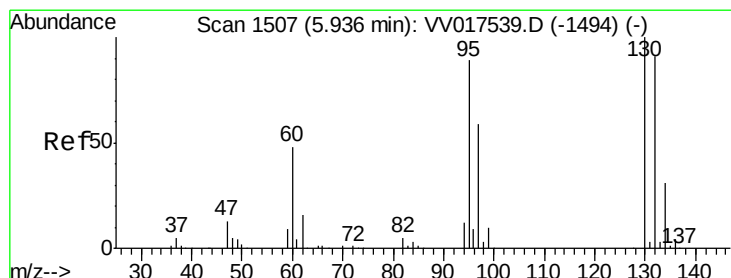
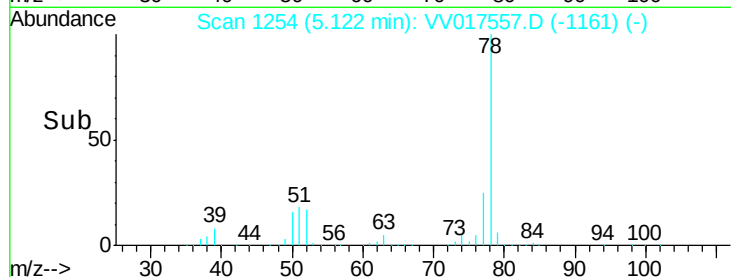
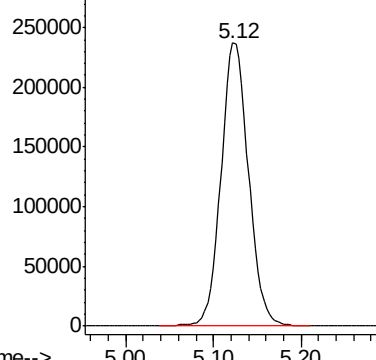
Tgt Ion: 78 Resp: 518383

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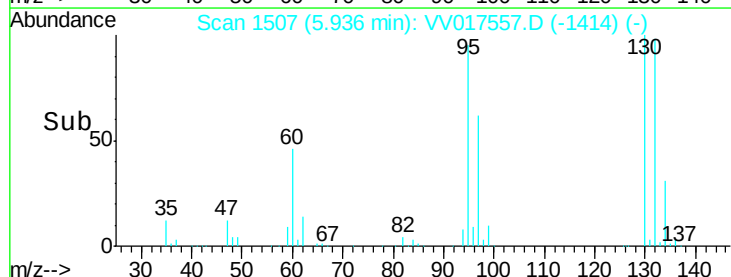
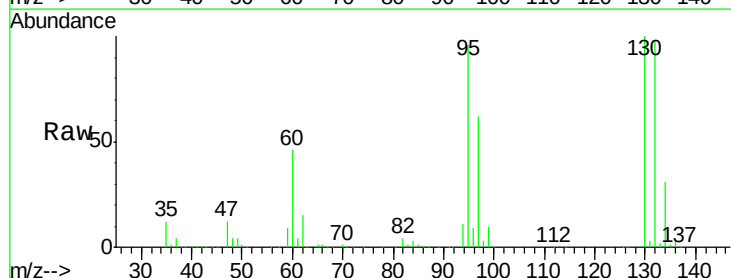
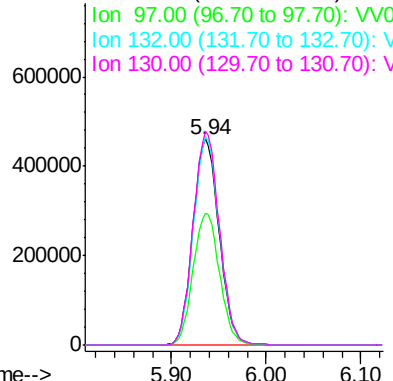
Abundance Ion 78.00 (77.70 to 78.70): VV0

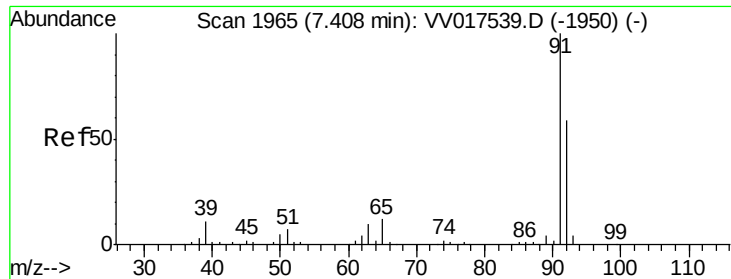


#34
Trichloroethene
Concen: 364.814 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VV017557.D
Acq: 20 Jul 2020 20:06

Tgt Ion: 95 Resp: 886658
Ion Ratio Lower Upper
95 100
97 64.4 46.1 85.5
132 101.6 71.3 132.3
130 103.9 78.3 145.3

Abundance Ion 95.00 (94.70 to 95.70): VV0





#42

Toluene

Concen: 51.451 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017557.D

Acq: 20 Jul 2020 20:06

Instrument :

MSVOA_V

ClientSampleId :

PMW-2MSD

Tot Ion: 91 Resp: 501303

Ion Ratio Lower Upper

91 100

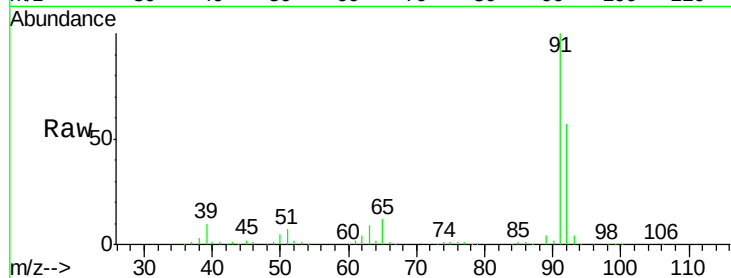
92 57.2 41.0 76.2

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Abundance Ion 91.00 (90.70 to 91.70): VV017539.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV017539.D (-1950) (-)

7.41

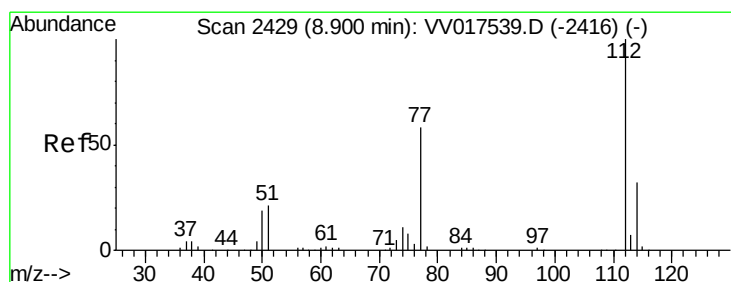
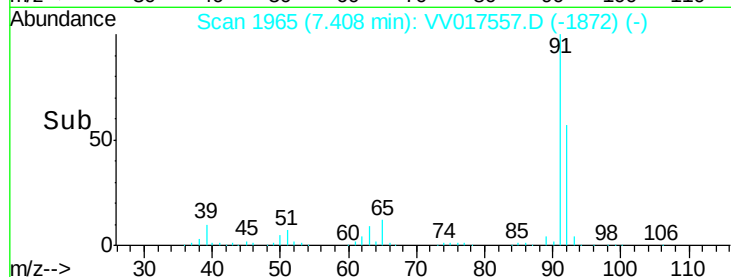
300000

200000

100000

0

Time-->



#51

Chlorobenzene

Concen: 55.663 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017557.D

Acq: 20 Jul 2020 20:06

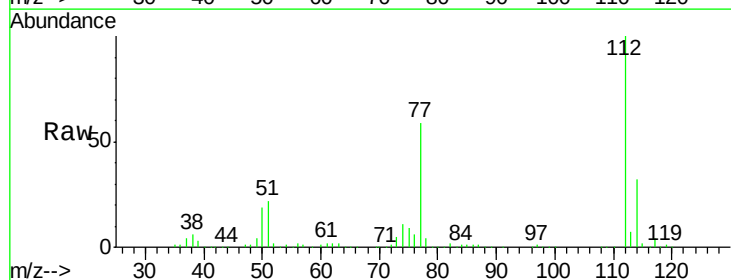
Tgt Ion: 112 Resp: 381758

Ion Ratio Lower Upper

112 100

114 32.4 22.7 42.1

77 59.2 46.9 70.3



Abundance Ion 112.00 (111.70 to 112.70): VV017539.D (-2416) (-)

Ion 114.00 (113.70 to 114.70): VV017539.D (-2416) (-)

Ion 77.00 (76.70 to 77.70): VV017539.D (-2416) (-)

8.90

300000

250000

200000

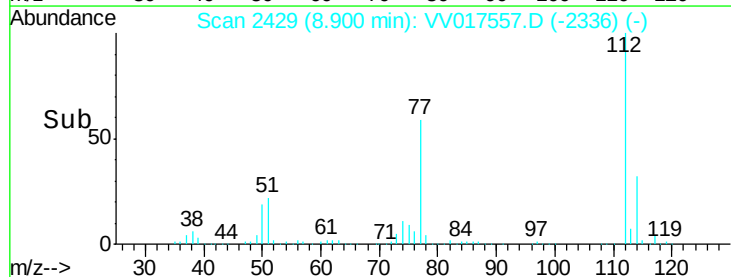
150000

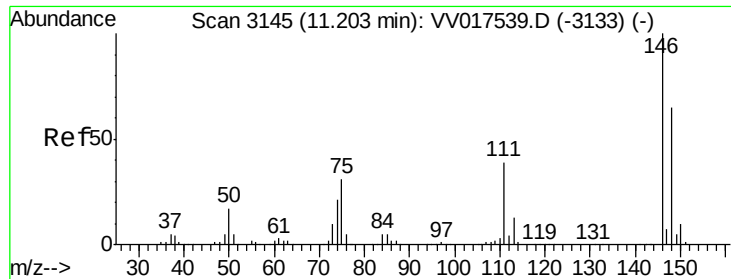
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 3.411 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017557.D

Acq: 20 Jul 2020 20:06

Instrument :

MSVOA_V

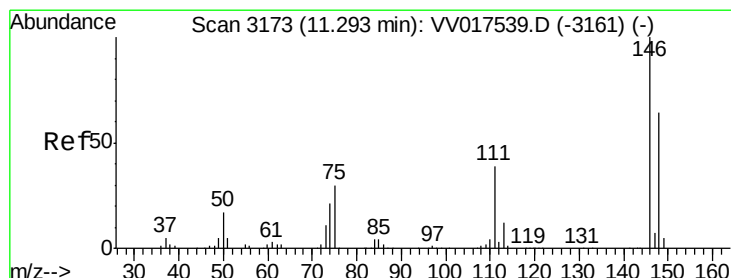
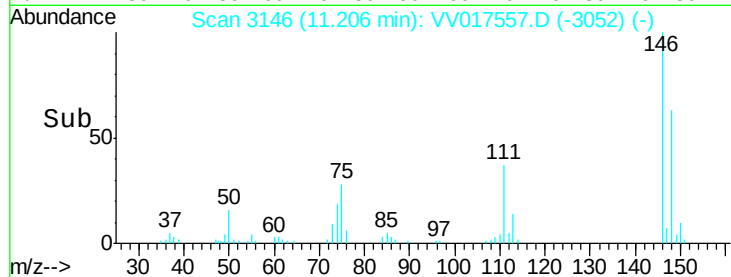
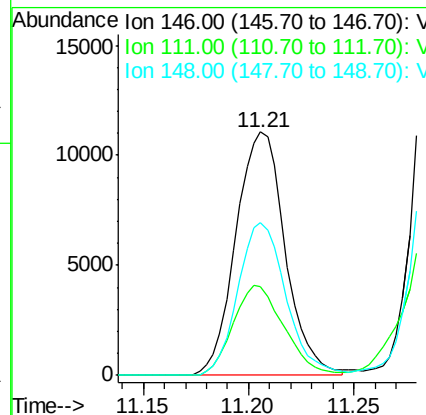
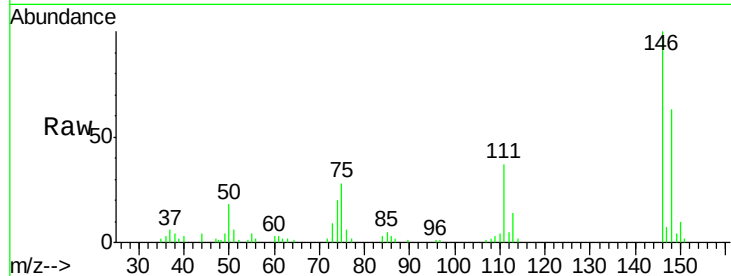
ClientSampleId :

PMW-2MSD

Tot Ion:	146	Resp:	17983
Ion Ratio	Lower	Upper	
146	100		
111	36.5	27.6	51.2
148	62.7	45.8	85.0

Manual Integrations
APPROVED

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7/22/2020 11:03:53 AM



#63

1,4-Dichlorobenzene

Concen: 9.970 ug/L

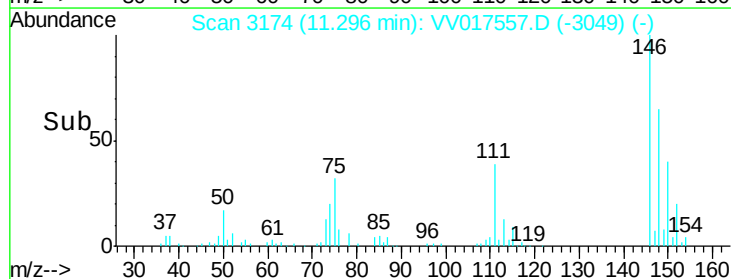
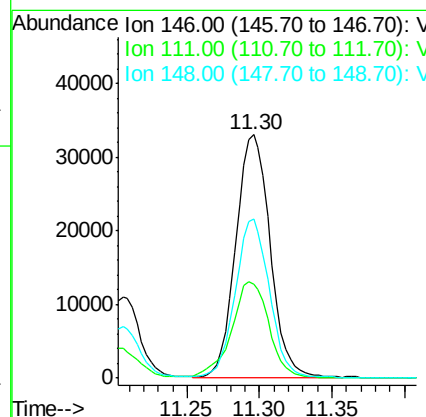
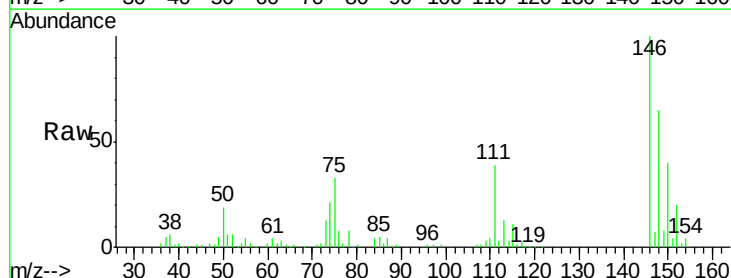
RT: 11.30 min Scan# 3174

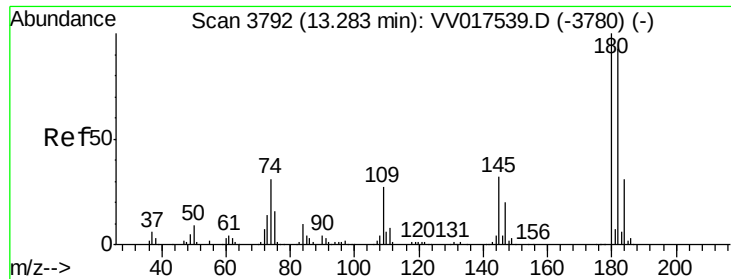
Delta R.T. 0.00 min

Lab File: VV017557.D

Acq: 20 Jul 2020 20:06

Tgt Ion:	146	Resp:	54752
Ion Ratio	Lower	Upper	
146	100		
111	38.5	27.2	50.4
148	65.3	44.7	82.9





#68
 1,2,4-trichlorobenzene
 Concen: 2.189 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017557.D
 Acq: 20 Jul 2020 20:06

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.0	114.0
145	30.9	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 11:03:53 AM

