

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016305.D
 Acq On : 29 May 2020 03:32
 Operator : SY/MD
 Sample : L2662-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B12

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 4:26:58 PM

Quant Time: May 29 06:22:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 29 04:21:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	110546	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	102663	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	52521	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	27052	3.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.20%
7) Chloroethane-d5	1.58	69	18168	2.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	58.20%#
11) 1,1-Dichloroethene-d2	2.12	63	37458	2.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.20%#
20) 2-Butanone-d5	3.99	46	54835m	31.14	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	62.28%
24) Chloroform-d	4.38	84	55536	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.60%
26) 1,2-Dichloroethane-d4	5.06	65	29908	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.00%
32) Benzene-d6	5.07	84	115281	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.10	67	34119	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.34	98	105916	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
45) trans-1,3-Dichloropropene-	7.65	79	11306	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
48) 2-Hexanone-d5	8.12	63	58596	43.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.12%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	23206	3.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	39481	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	235381	24.313	ug/L	99
13) Acetone	2.26	43	68177	62.540	ug/L	56
18) trans-1,2-Dichloroethene	2.77	96	9373	1.314	ug/L	96
21) 2-Butanone	4.06	43	139486	71.928	ug/L	94
22) cis-1,2-Dichloroethene	3.93	96	532231	63.067	ug/L	93
27) 1,2-Dichloroethane	5.16	62	7958	0.849	ug/L #	95
33) Benzene	5.12	78	364789	12.348	ug/L	100
34) Trichloroethene	5.94	95	4426	0.575	ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	10400	2.307	ug/L #	90
42) Toluene	7.41	91	457972	14.215	ug/L	99
50) 2-Hexanone	8.18	43	8439	2.684	ug/L	95
53) Chlorobenzene	8.91	112	4021	0.202	ug/L	98
54) Ethylbenzene	9.03	91	558371	15.548	ug/L	99
55) m,p-xylene	9.16	106	217044	16.118	ug/L	100
56) o-xylene	9.56	106	148843	11.599	ug/L	99
57) Styrene	9.58	104	23516	1.101	ug/L #	36
58) Isopropylbenzene	9.95	105	48208	1.371	ug/L	97

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ALS Vial : 44 Sample Multiplier: 1

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Manual Integrations
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Quant Time: May 29 06:22:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 29 04:21:25 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

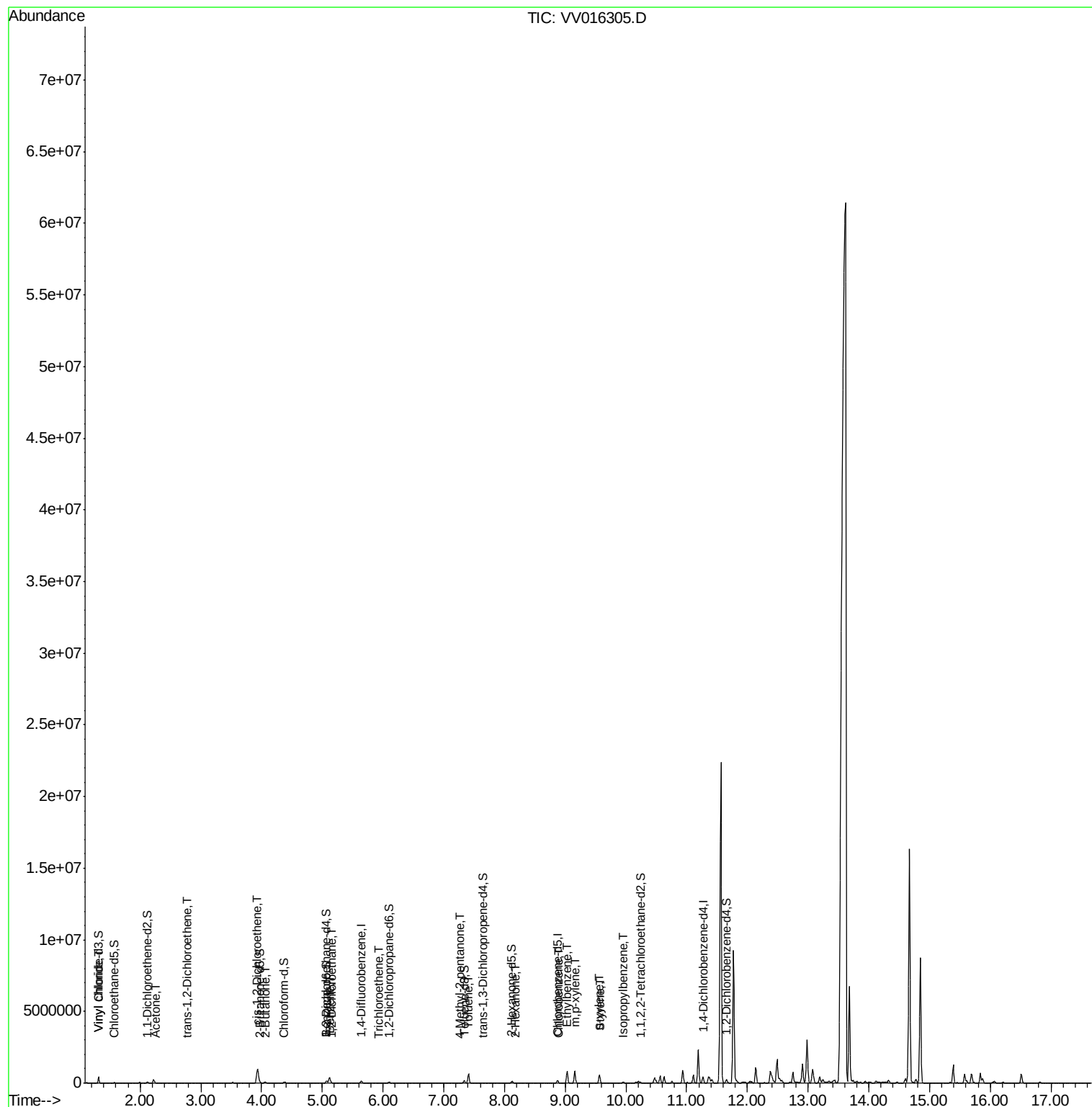
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
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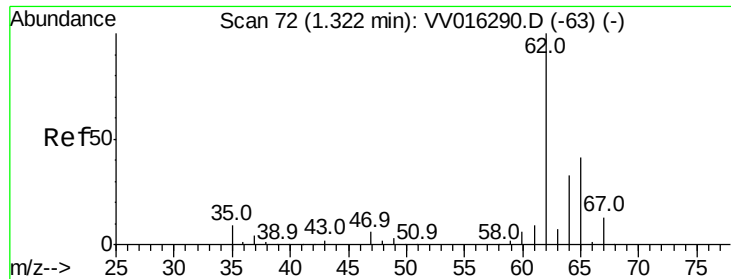
Instrument :
MSVOA_V
ClientSampleId :
F9B12

Manual Integrations
APPROVED

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Quant Time: May 29 06:22:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
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QLast Update : Fri May 29 04:21:25 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 24.313 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VV016305.D

Acq: 29 May 2020 03:32

Instrument :

MSVOA_V

ClientSampled :

F9B12

Tot Ion: 62 Resp: 235381

Ion Ratio Lower Upper

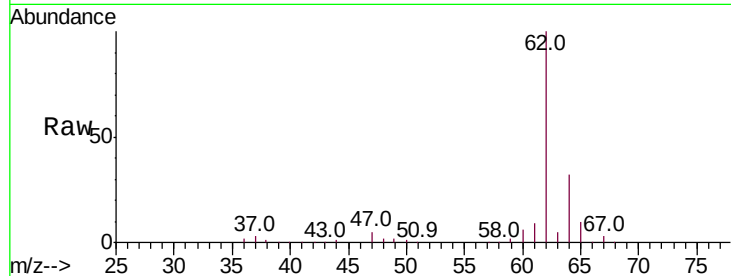
62 100

64 32.4 22.1 41.1

Manual Integrations
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

250000

200000

150000

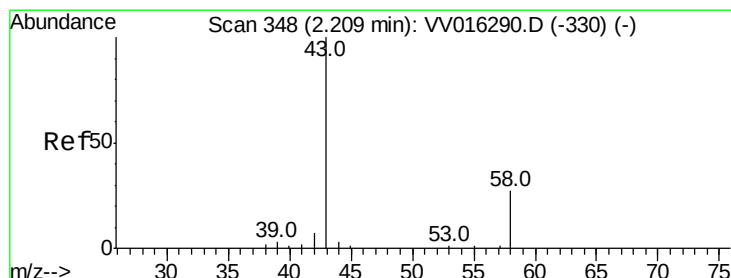
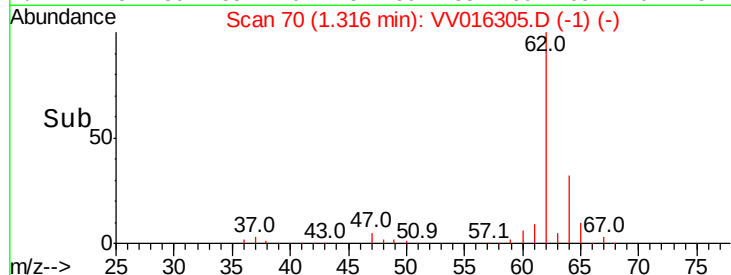
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50000

0

1.25 1.30 1.35 1.40

Time-->



#13

Acetone

Concen: 62.540 ug/L

RT: 2.26 min Scan# 365

Delta R.T. 0.05 min

Lab File: VV016305.D

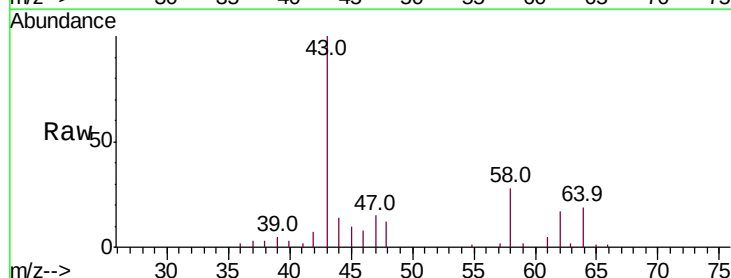
Acq: 29 May 2020 03:32

Tgt Ion: 43 Resp: 68177

Ion Ratio Lower Upper

43 100

58 2.7 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

10000

8000

6000

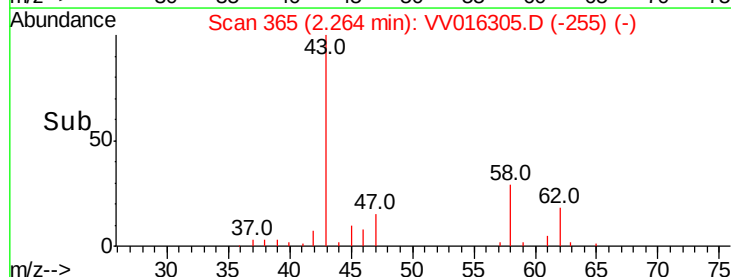
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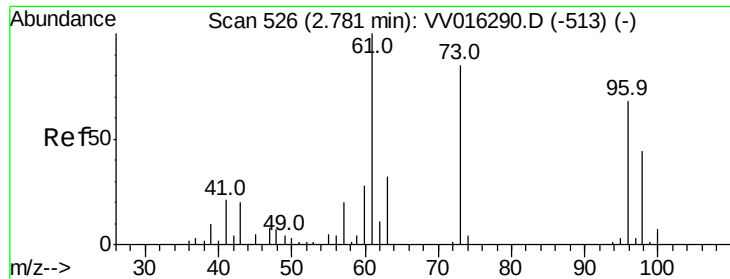
2000

0

2.10 2.20 2.30 2.40 2.50

Time-->





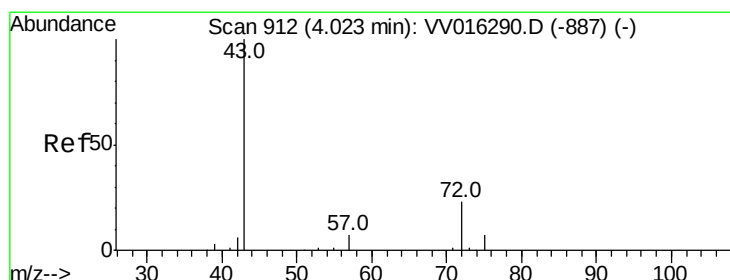
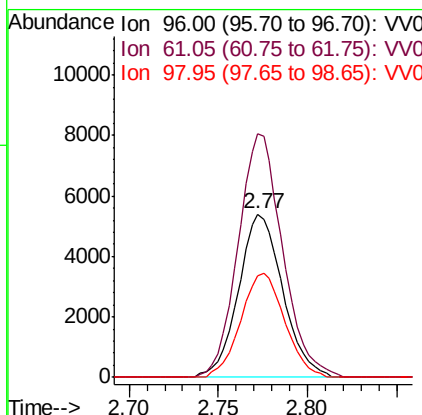
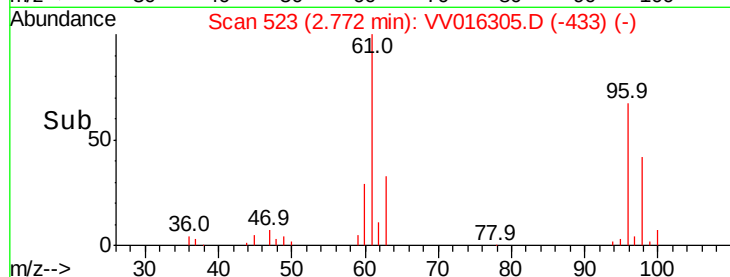
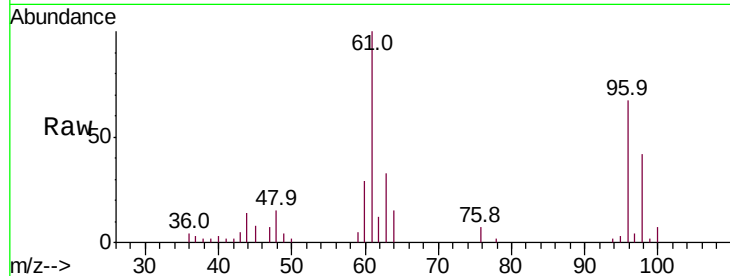
#18
trans-1,2-Dichloroethene
Concen: 1.314 ug/L
RT: 2.77 min Scan# 523
Delta R.T. -0.01 min
Lab File: VV016305.D
Acq: 29 May 2020 03:32

Instrument :
MSVOA_V
ClientSampled :
F9B12

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.1	99.8	185.4
98	61.9	44.0	81.6

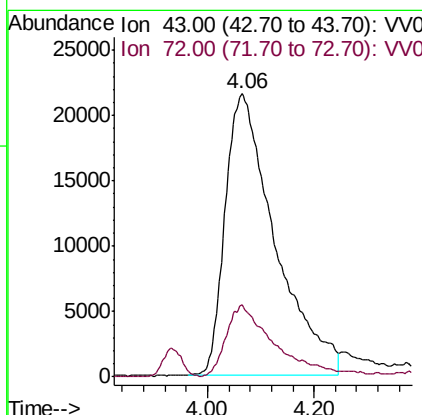
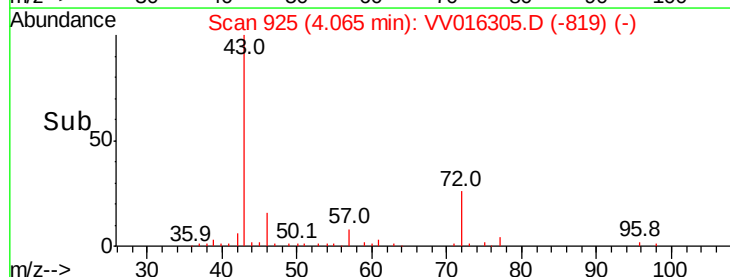
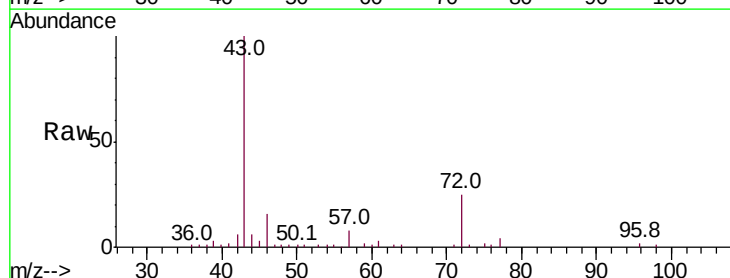
Manual Integrations
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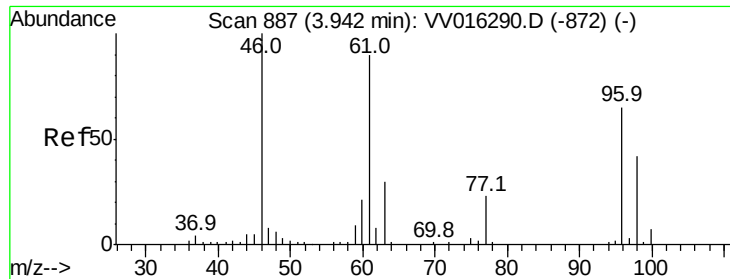
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#21
2-Butanone
Concen: 71.928 ug/L
RT: 4.06 min Scan# 925
Delta R.T. 0.04 min
Lab File: VV016305.D
Acq: 29 May 2020 03:32

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	9.7	28.9





#22

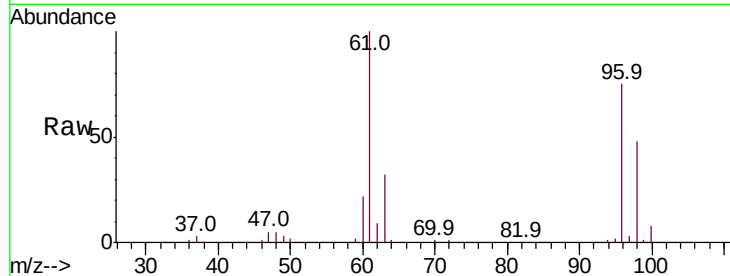
cis-1,2-Dichloroethene
 Concen: 63.067 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: VV016305.D
 Acq: 29 May 2020 03:32

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B12

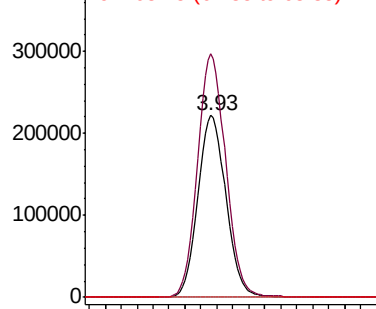
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.9	99.7	185.1
68	0.0	0.0	0.0

Manual Integrations
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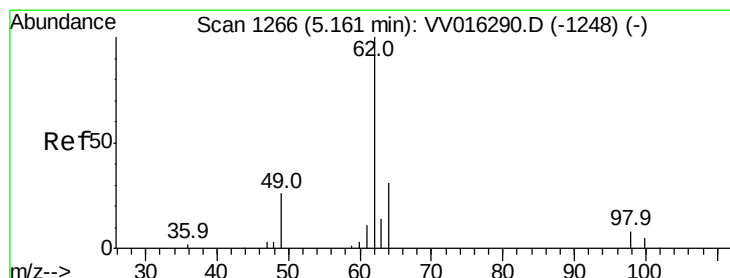
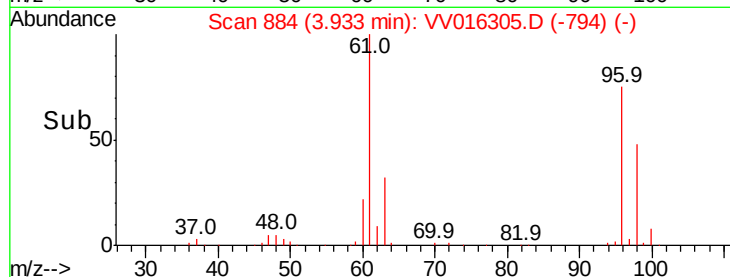
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Abundance Ion 96.00 (95.70 to 96.70): VV016305.D (-794) (-)



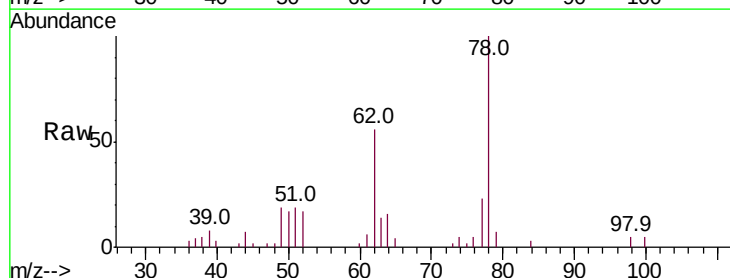
Time-->



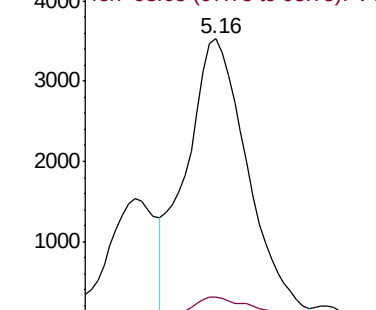
#27

1,2-Dichloroethane
 Concen: 0.849 ug/L
 RT: 5.16 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VV016305.D
 Acq: 29 May 2020 03:32

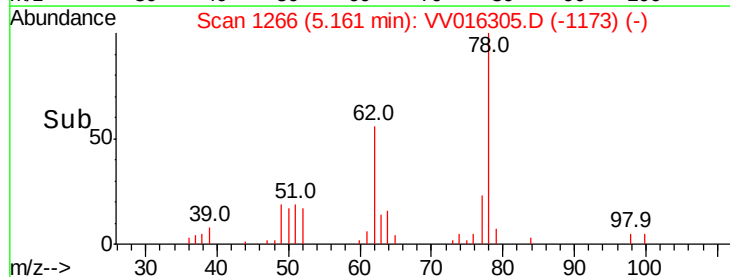
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	5.7	8.5#

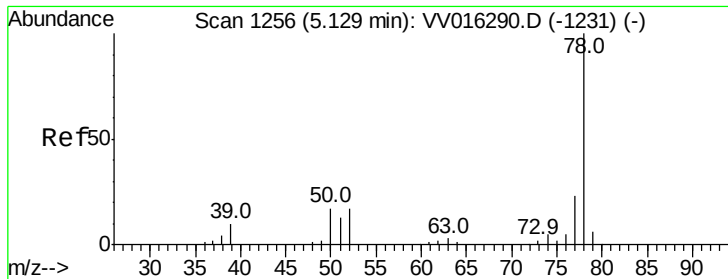


Abundance Ion 62.00 (61.70 to 62.70): VV016305.D (-1173) (-)



Time-->





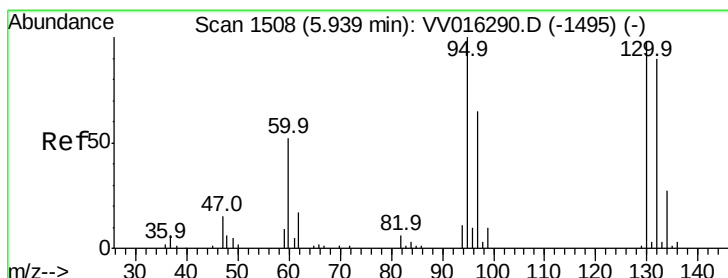
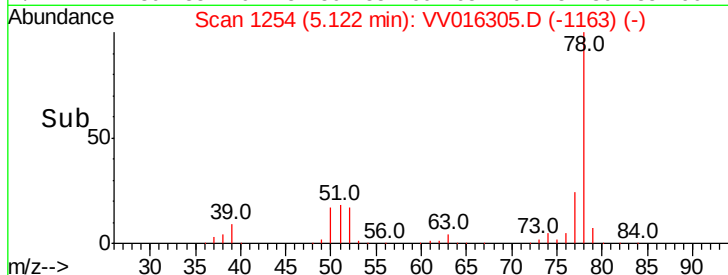
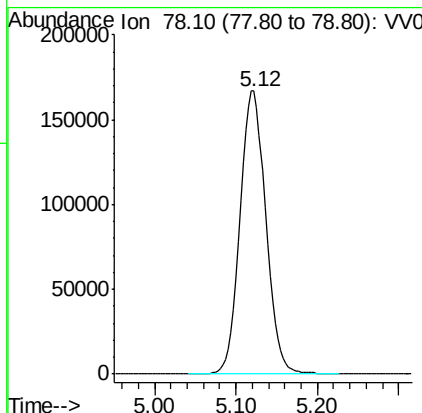
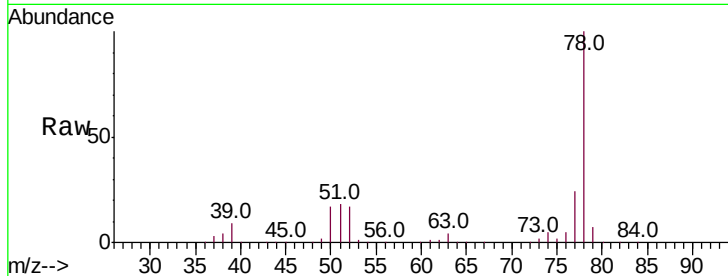
#33
Benzene
Concen: 12.348 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VV016305.D
Acq: 29 May 2020 03:32

Instrument :
MSVOA_V
ClientSampled :
F9B12

Tgt Ion: 78 Resp: 364789

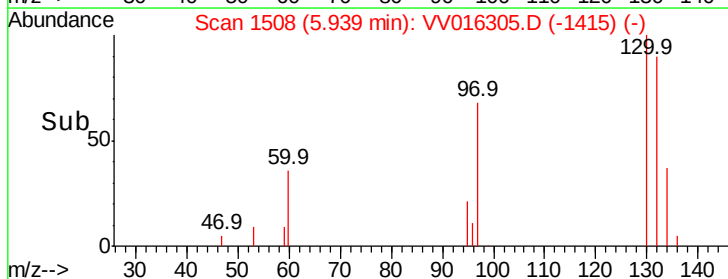
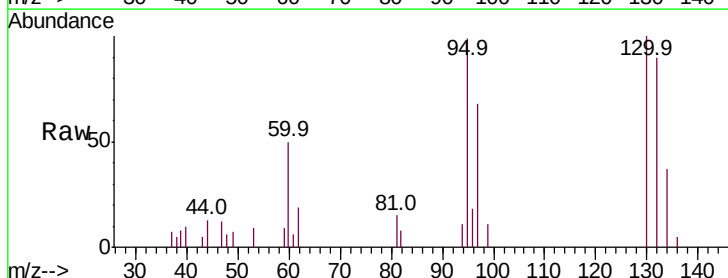
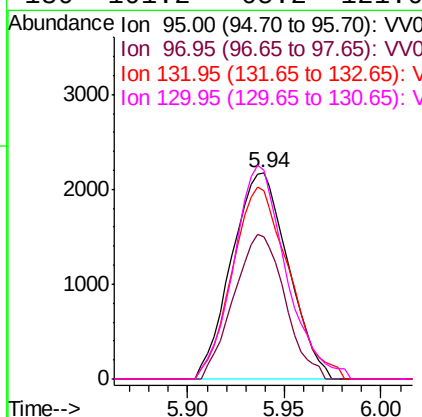
Manual Integrations
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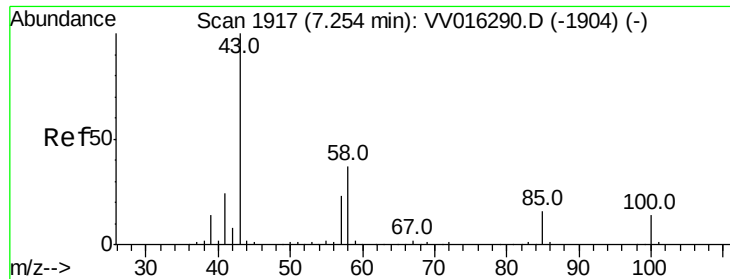
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#34
Trichloroethene
Concen: 0.575 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV016305.D
Acq: 29 May 2020 03:32

Tgt Ion: 95 Resp: 4426
Ion Ratio Lower Upper
95 100
97 68.7 43.6 81.0
132 91.3 63.9 118.7
130 101.2 65.2 121.0





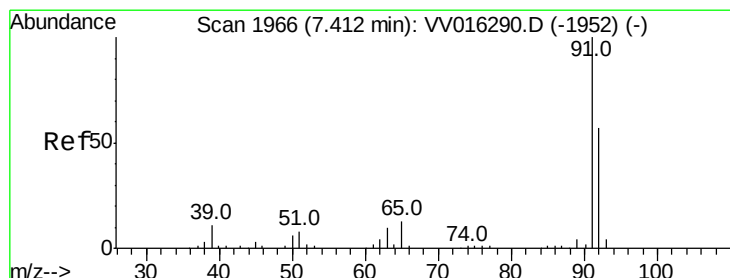
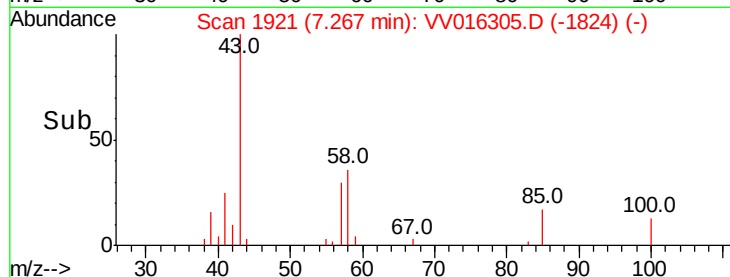
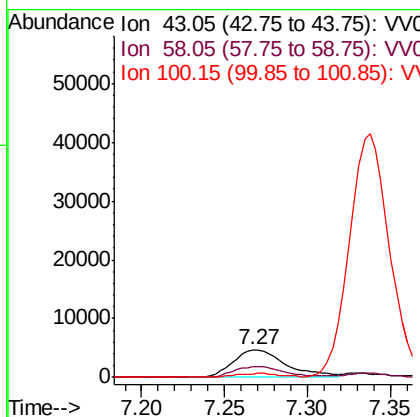
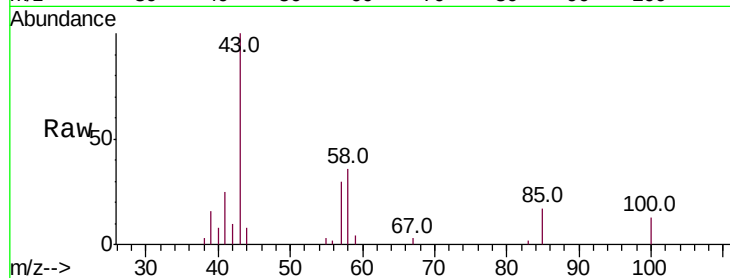
#40
4-Methyl-2-pentanone
Concen: 2.307 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. 0.01 min
Lab File: VV016305.D
Acq: 29 May 2020 03:32

Instrument :
MSVOA_V
ClientSampled :
F9B12

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.5	44.3
100	0.0	11.1	16.7

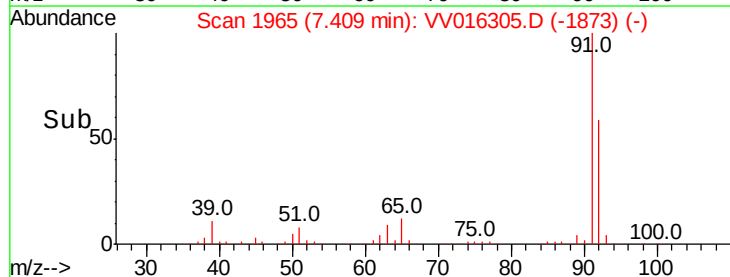
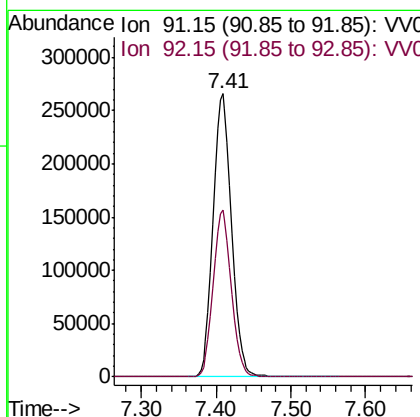
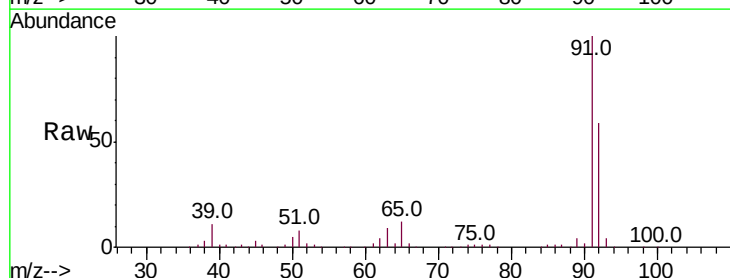
Manual Integrations
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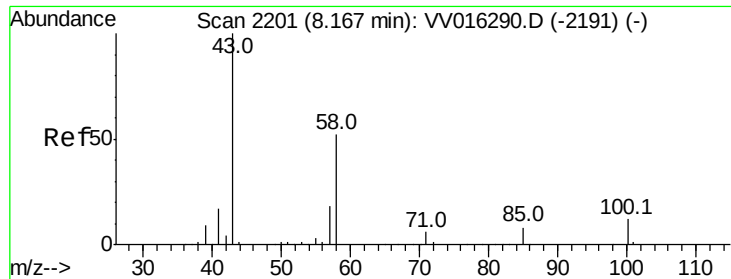
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#42
Toluene
Concen: 14.215 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV016305.D
Acq: 29 May 2020 03:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.1	40.9	76.0





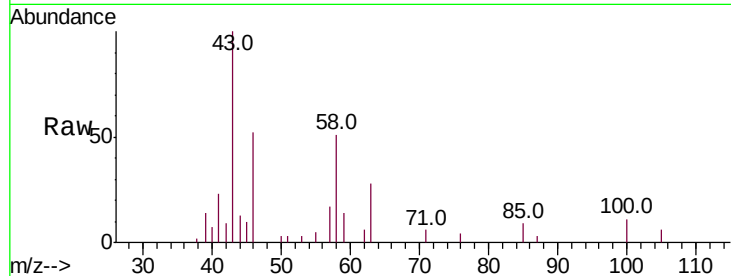
#50
2-Hexanone
Concen: 2.684 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.01 min
Lab File: VV016305.D
Acq: 29 May 2020 03:32

Instrument :
MSVOA_V
ClientSampled :
F9B12

Tot Ion:	43	Resp:	8439
Ion	Ratio	Lower	Upper
43	100		
58	55.4	41.4	62.0
57	21.5	15.0	22.4
100	11.7	9.0	13.4

Manual Integrations
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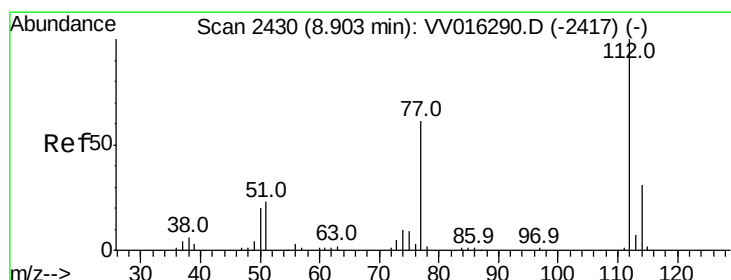
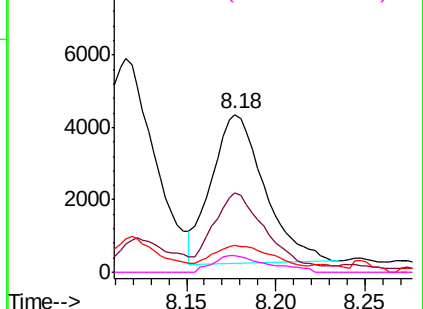
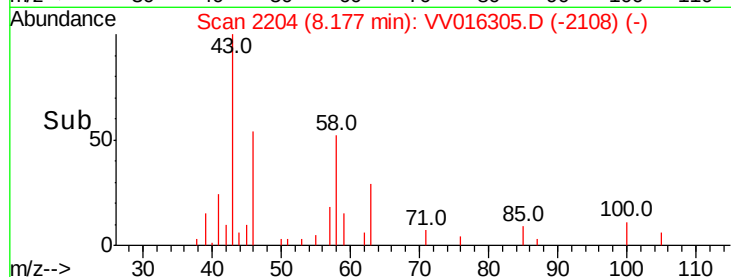


Abundance Ion 43.05 (42.75 to 43.75): VV016290.D (-2191) (-)

Ion 58.05 (57.75 to 58.75): VV016290.D (-2191) (-)

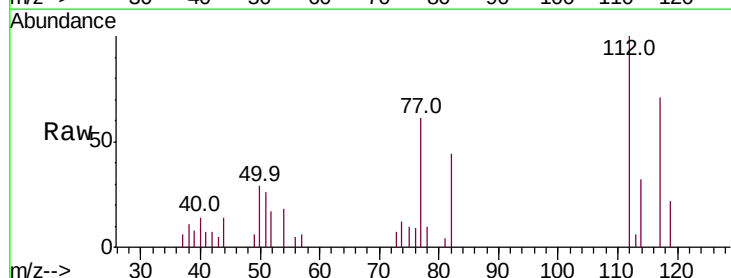
Ion 57.20 (56.90 to 57.90): VV016290.D (-2191) (-)

Ion 100.15 (99.85 to 100.85): VV016290.D (-2191) (-)



#53
Chlorobenzene
Concen: 0.202 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VV016305.D
Acq: 29 May 2020 03:32

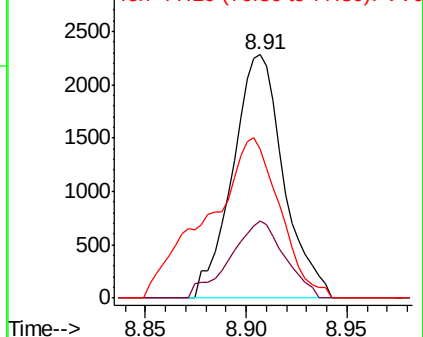
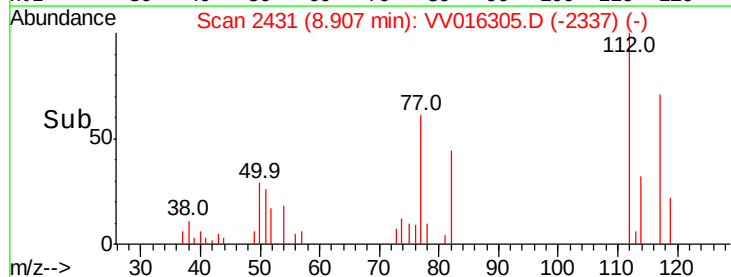
Tgt Ion:	112	Resp:	4021
Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.3	41.3
77	61.3	50.7	76.1

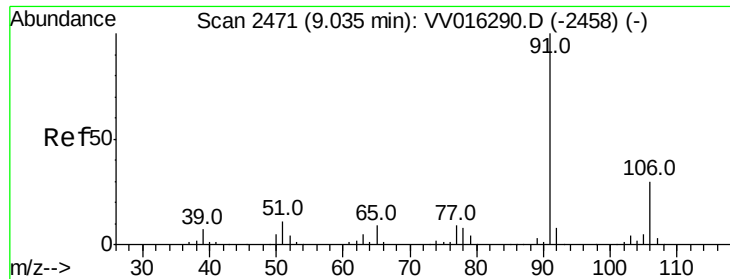


Abundance Ion 112.10 (111.80 to 112.80): VV016290.D (-2417) (-)

Ion 114.05 (113.75 to 114.75): VV016290.D (-2417) (-)

Ion 77.10 (76.80 to 77.80): VV016290.D (-2417) (-)





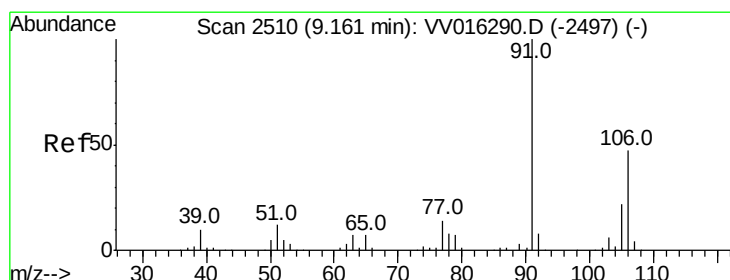
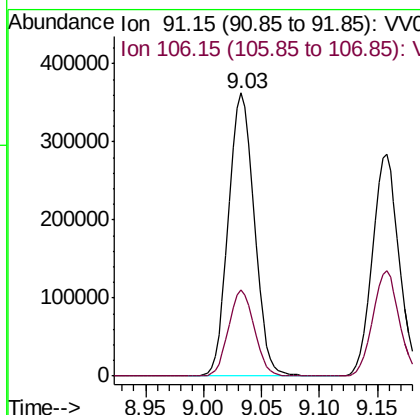
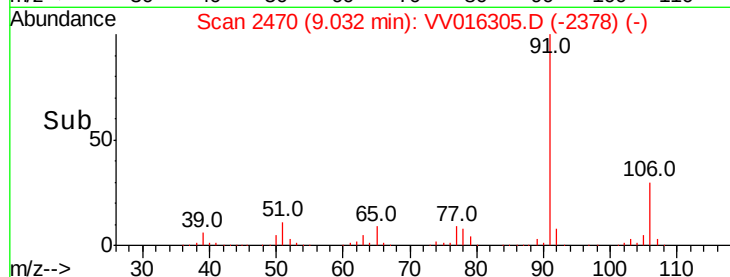
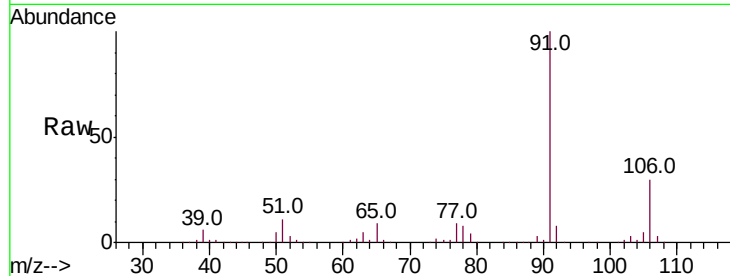
#54
Ethylbenzene
Concen: 15.548 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV016305.D
Acq: 29 May 2020 03:32

Instrument :
MSVOA_V
ClientSampleId :
F9B12

Tot Ion: 91 Resp: 558371
Ion Ratio Lower Upper
91 100
106 30.3 21.0 39.0

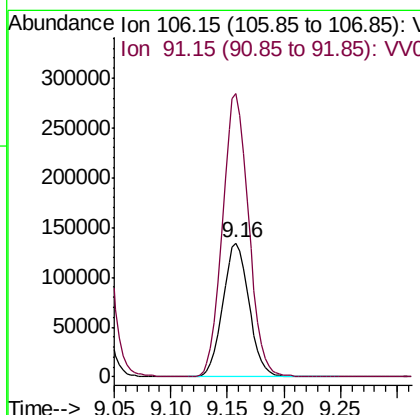
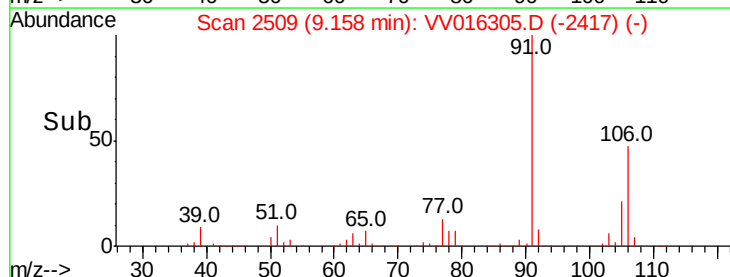
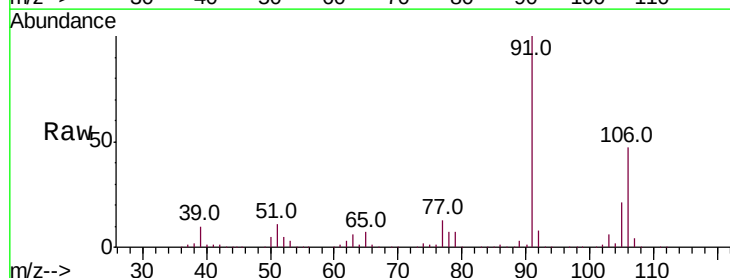
Manual Integrations
APPROVED

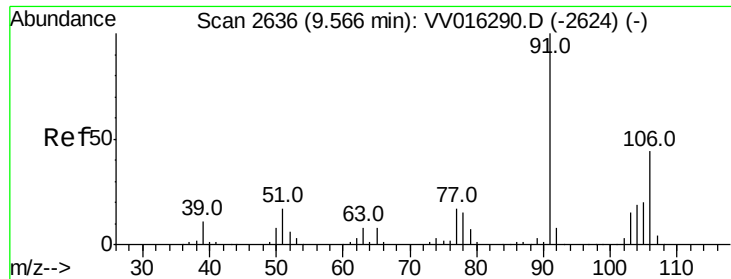
MMDadoda
5/29/2020 4:26:58 PM



#55
m,p-xylene
Concen: 16.118 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV016305.D
Acq: 29 May 2020 03:32

Tgt Ion: 106 Resp: 217044
Ion Ratio Lower Upper
106 100
91 211.2 148.1 275.0





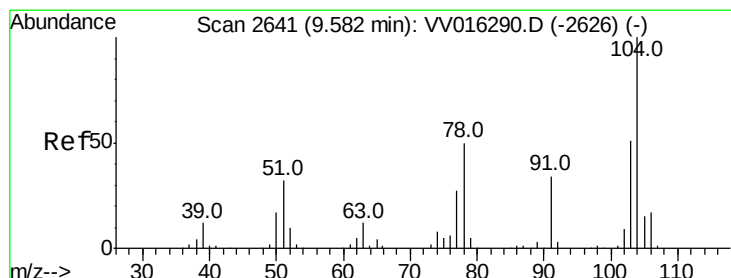
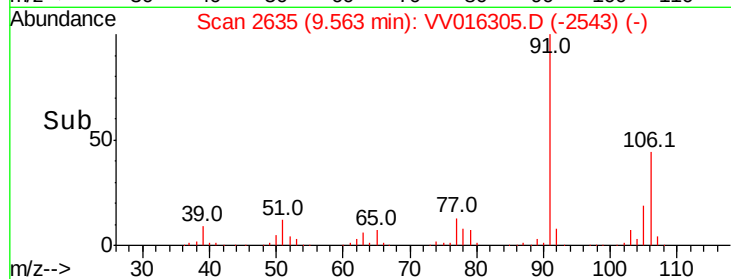
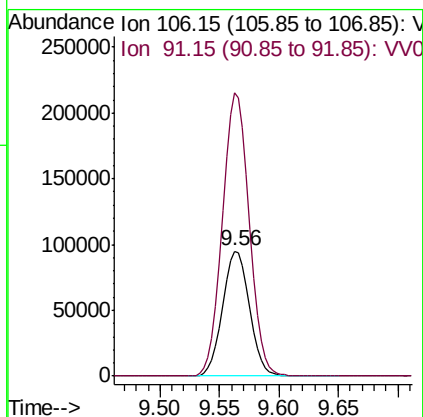
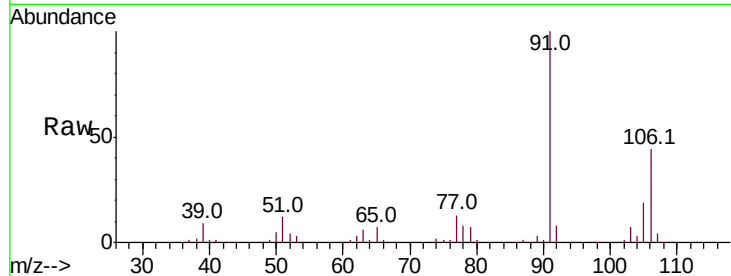
#56
o-xylene
Concen: 11.599 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV016305.D
Acq: 29 May 2020 03:32

Instrument :
MSVOA_V
ClientSampled :
F9B12

Tot Ion:106 Resp: 148843
Ion Ratio Lower Upper
106 100
91 225.9 158.8 294.8

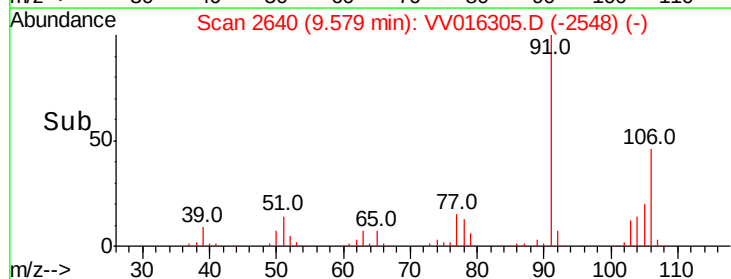
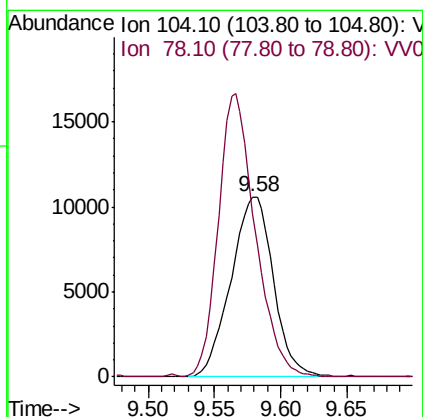
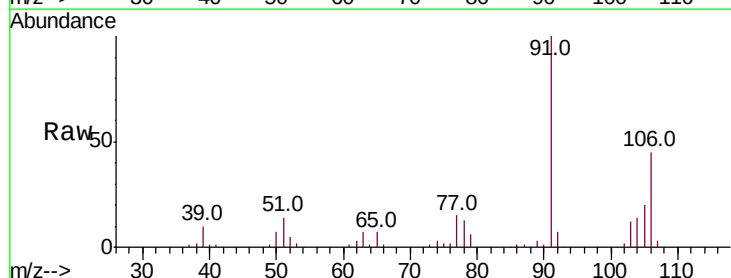
Manual Integrations
APPROVED

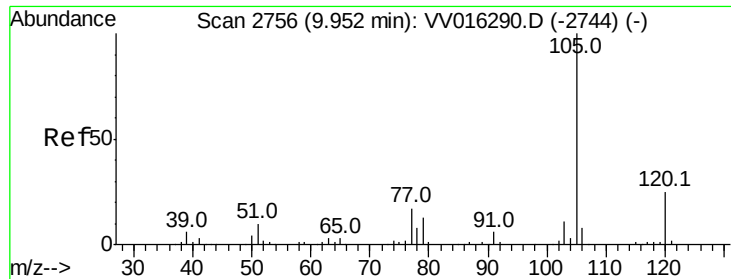
MMDadoda
5/29/2020 4:26:58 PM



#57
Styrene
Concen: 1.101 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV016305.D
Acq: 29 May 2020 03:32

Tgt Ion:104 Resp: 23516
Ion Ratio Lower Upper
104 100
78 90.5 33.2 61.7#





#58
Isopropylbenzene
Concen: 1.371 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VV016305.D
Acq: 29 May 2020 03:32

Instrument :
MSVOA_V
ClientSampleId :
F9B12

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.7	20.9	31.3
77	16.4	13.9	20.9

Manual Integrations
APPROVED

MMDadoda
5/29/2020 4:26:58 PM

