

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010419\
 Data File : VV009154.D
 Acq On : 04 Jan 2019 10:33
 Operator : SY/MD
 Sample : VSTD2.562
 Misc : 5.00 G/10ML/MSVOA V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.562

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 11:59:53 PM

Quant Time: Jan 05 04:30:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 05 04:20:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	168999	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	154764	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72978	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4073	3.52	ug/L	0.00
7) Chloroethane-d5	1.58	69	3207	2.86	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	12110	3.13	ug/L	0.00
20) 2-Butanone-d5	3.97	46	4151m	5.18	ug/L	0.00
24) Chloroform-d	4.40	84	10232	2.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	5374	2.82	ug/L	0.00
29) Benzene-d6	5.10	84	20118	2.92	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	5367	2.71	ug/L	0.00
37) Toluene-d8	7.36	98	18988	2.92	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	2619	2.79	ug/L	0.00
39) 2-Hexanone-d5	8.15	63	2490	5.34	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	6200	2.85	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	7520	3.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8046	2.962 ug/L	99
3) Chloromethane	1.25	50	5777	3.140 ug/L	90
5) Vinyl chloride	1.32	62	5885	2.987 ug/L	99
6) Bromomethane	1.54	94	3482	2.509 ug/L	100
8) Chloroethane	1.60	64	3476	2.863 ug/L	92
9) Trichlorofluoromethane	1.77	101	11720	3.245 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	6903	2.870 ug/L	93
12) 1,1-Dichloroethene	2.14	96	5961	2.858 ug/L	85
13) Acetone	2.22	43	8059	6.993 ug/L	98
14) Carbon disulfide	2.32	76	17477	2.932 ug/L	98
15) Methyl Acetate	2.47	43	4072	2.855 ug/L	100
16) Methylene chloride	2.54	84	19037	7.540 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	12746	2.494 ug/L #	86
18) trans-1,2-Dichloroethene	2.79	96	6043	2.733 ug/L	96
19) 1,1-Dichloroethane	3.23	63	9731	2.651 ug/L	97
21) 2-Butanone	4.05	43	4810m	4.538 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	6407	2.711 ug/L	91
23) Bromochloromethane	4.30	128	2851m	2.564 ug/L	
25) Chloroform	4.43	83	10168	2.601 ug/L #	62
27) 1,2-Dichloroethane	5.18	62	6264	2.385 ug/L #	80
30) Cyclohexane	4.73	56	9293	2.709 ug/L #	61
31) 1,1,1-Trichloroethane	4.66	97	9783	2.600 ug/L	98
32) Carbon tetrachloride	4.87	117	9132	2.652 ug/L	99
34) Benzene	5.15	78	22223	2.671 ug/L	100
35) Trichloroethene	5.96	95	6688	2.790 ug/L	98
36) Methylcyclohexane	6.17	83	11151	2.784 ug/L	93
40) 1,2-Dichloropropane	6.22	63	5566	2.776 ug/L #	95
41) Bromodichloromethane	6.56	83	7194	2.617 ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	7852	2.471 ug/L	98
43) 4-Methyl-2-pentanone	7.29	43	8764	4.585 ug/L	95

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Manual Integrations
 APPROVED

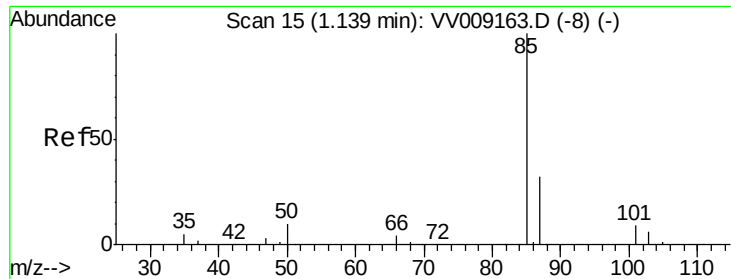
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 1/7/2019 11:59:53 PM

Quant Time: Jan 05 04:30:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010419S.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Toluene	7.43	91	24115	2.688	ug/L	98
45) trans-1,3-Dichloropropene	7.70	75	6839	2.458	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	4555	2.570	ug/L	94
47) Tetrachloroethene	8.02	164	5621	2.707	ug/L	97
49) 2-Hexanone	8.20	43	5629	4.001	ug/L	94
50) Dibromochloromethane	8.29	129	5371	2.467	ug/L	96
51) 1,2-Dibromoethane	8.40	107	4505	2.431	ug/L #	95
52) Chlorobenzene	8.93	112	15942	2.590	ug/L	97
53) Ethylbenzene	9.06	91	25663	2.530	ug/L	98
54) m,p-Xylene	9.19	106	9773	2.473	ug/L	99
55) o-xylene	9.59	106	8681	2.375	ug/L	99
56) Styrene	9.61	104	13767	2.233	ug/L	99
57) Isopropylbenzene	9.98	105	25453	2.510	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	5714	2.406	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	4756	2.506	ug/L	96
62) Bromoform	9.77	173	3524	2.734	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	12404	2.698	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	13470	2.810	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	11707	2.673	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	977m	2.149	ug/L	
67) 1,3,5-Trichlorobenzene	12.70	180	9824	2.649	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	6876	2.278	ug/L	99
69) Naphthalene	13.56	128	8200	1.334	ug/L	96
70) 1,2,3-Trichlorobenzene	13.80	180	5679	2.050	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 2.962 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Tot Ion: 85 Resp: 8046

Ion Ratio Lower Upper

85 100

87 32.4 22.5 41.7

Instrument :

MSVOA_V

ClientSampleId :

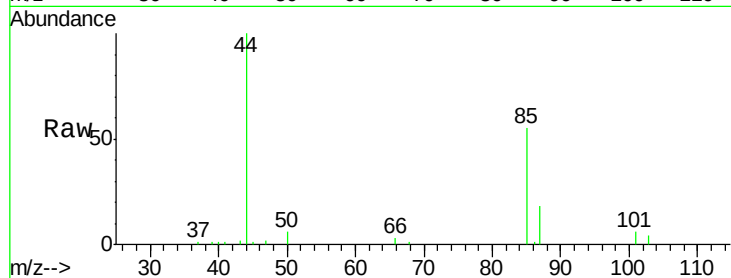
VSTD2.562

Manual Integrations

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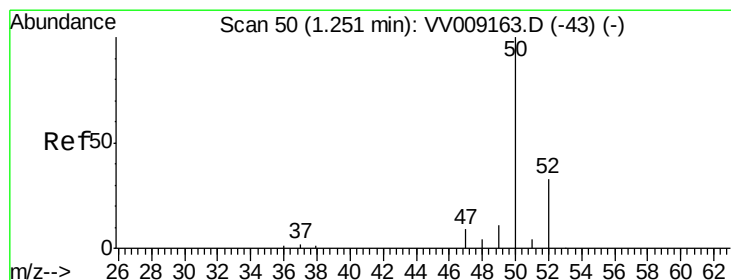
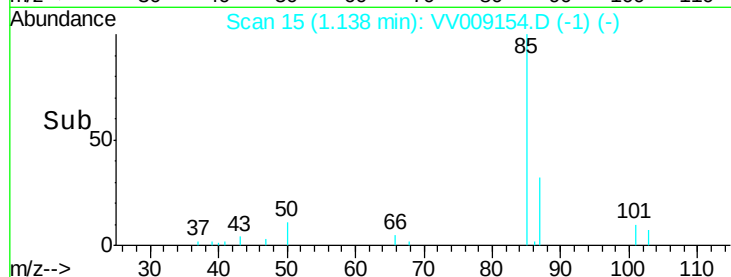
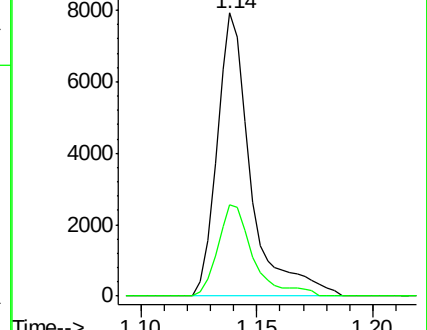
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Abundance Ion 85.00 (84.70 to 85.70): VV009163.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009163.D (-8) (-)



#3

Chloromethane

Concen: 3.140 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV009154.D

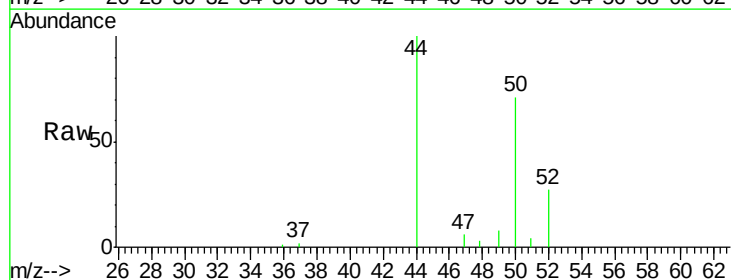
Acq: 04 Jan 2019 10:33

Tgt Ion: 50 Resp: 5777

Ion Ratio Lower Upper

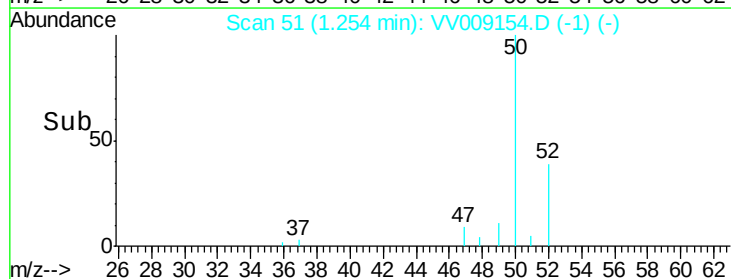
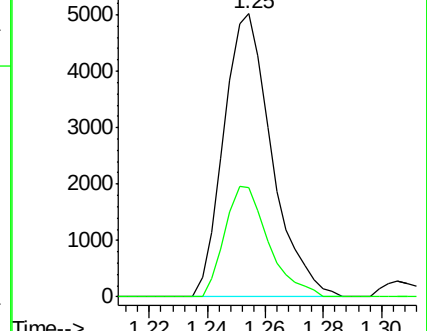
50 100

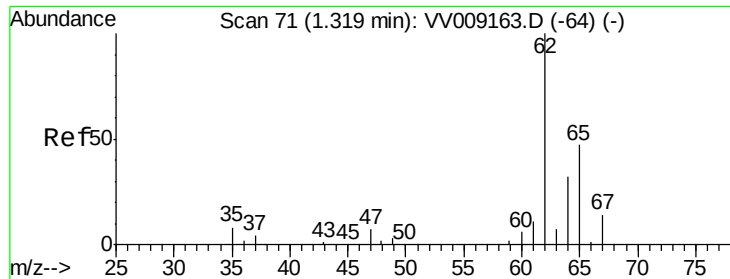
52 38.7 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV009163.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009163.D (-43) (-)





#5

Vinyl chloride

Concen: 2.987 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.562

Tot Ion: 62 Resp: 5885

Ion Ratio Lower Upper

62 100

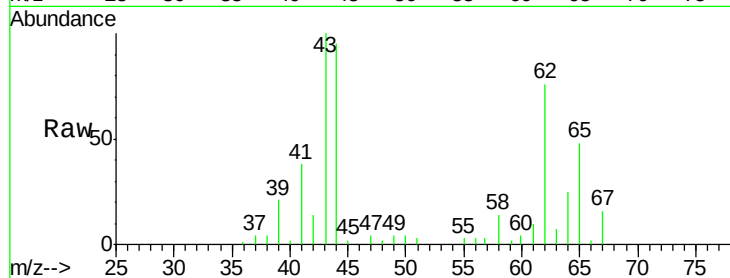
64 33.6 23.0 42.6

Manual Integrations

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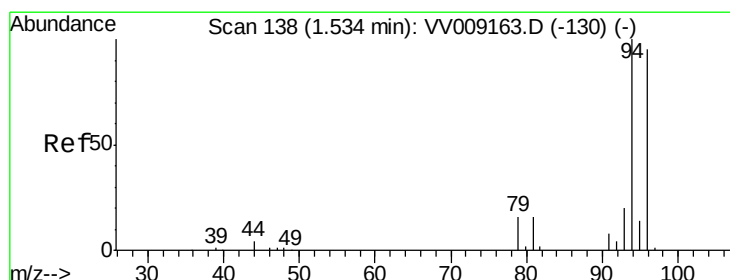
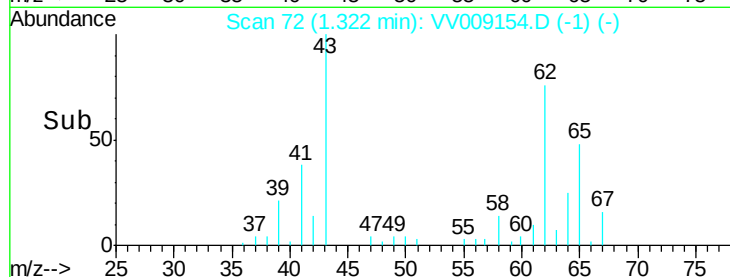
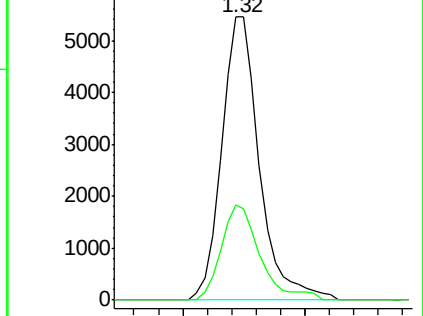
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.509 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV009154.D

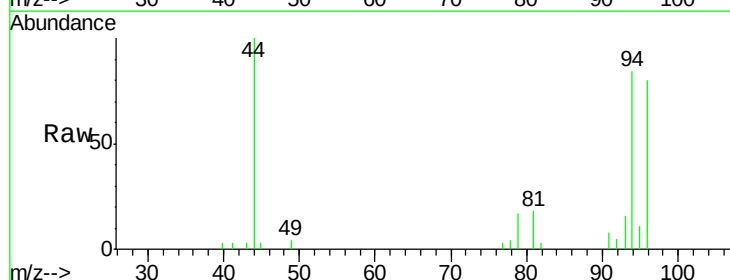
Acq: 04 Jan 2019 10:33

Tgt Ion: 94 Resp: 3482

Ion Ratio Lower Upper

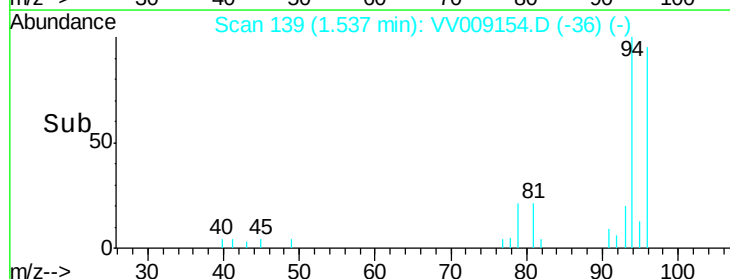
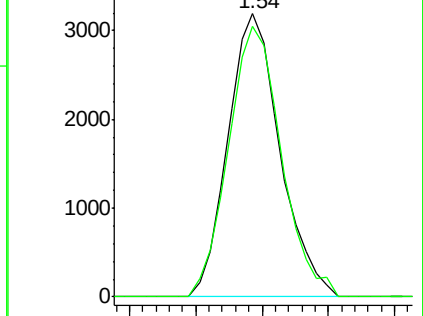
94 100

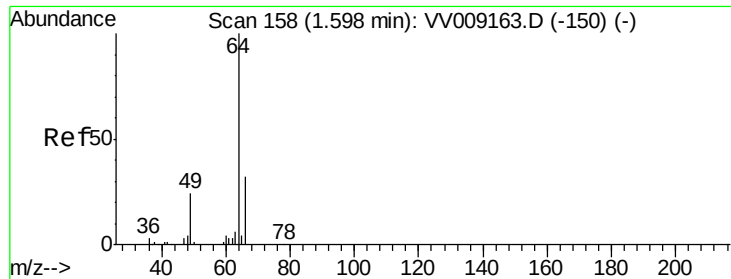
96 97.1 9.7 185.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.863 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.562

Tot Ion: 64 Resp: 3476

Ion Ratio Lower Upper

64 100

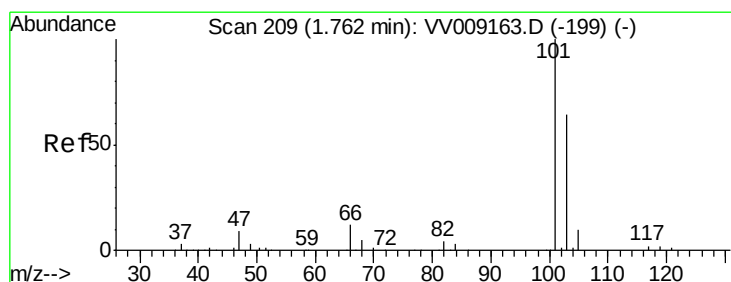
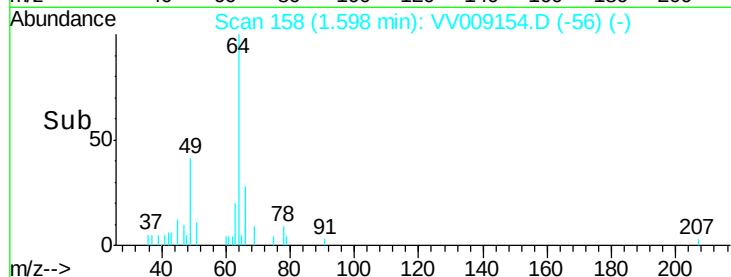
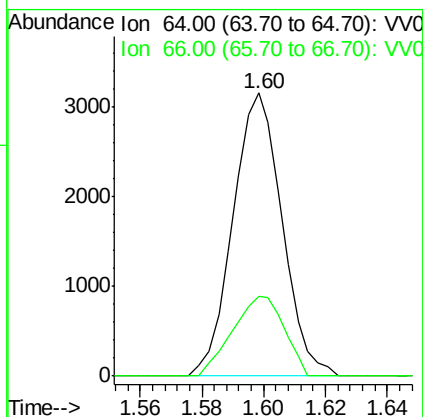
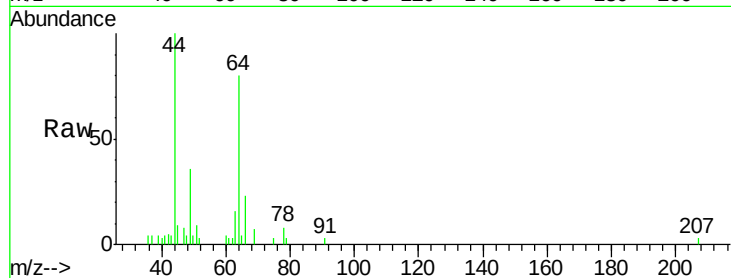
66 28.4 23.2 43.0

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 3.245 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV009154.D

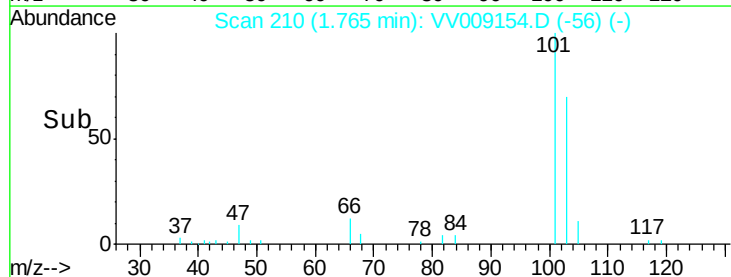
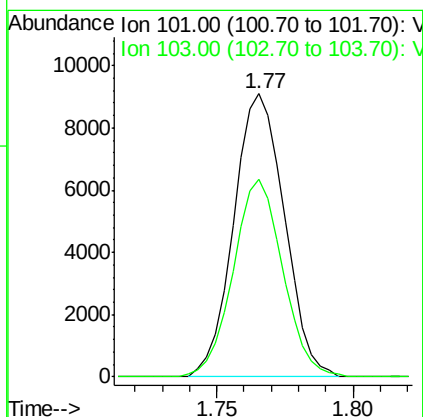
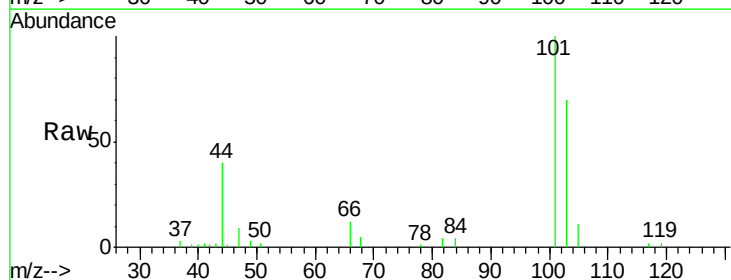
Acq: 04 Jan 2019 10:33

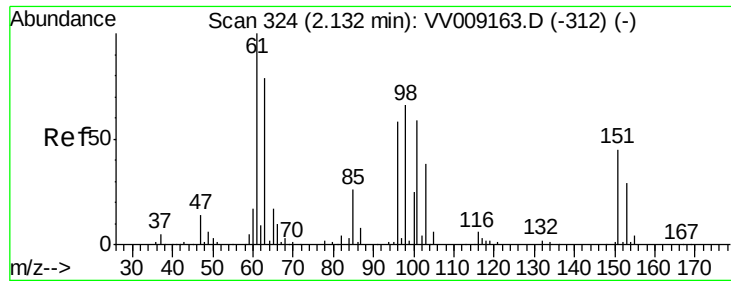
Tgt Ion: 101 Resp: 11720

Ion Ratio Lower Upper

101 100

103 68.3 46.0 85.4





#11

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

Concen: 2.870 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Instrument :

MSVOA_V

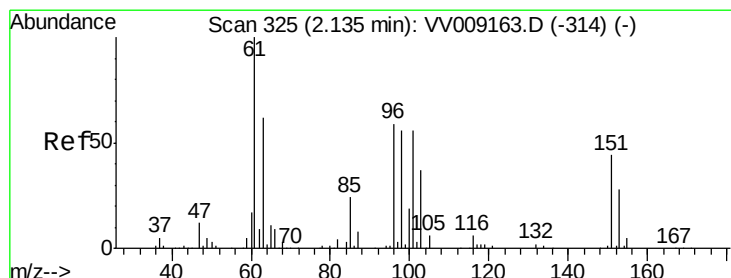
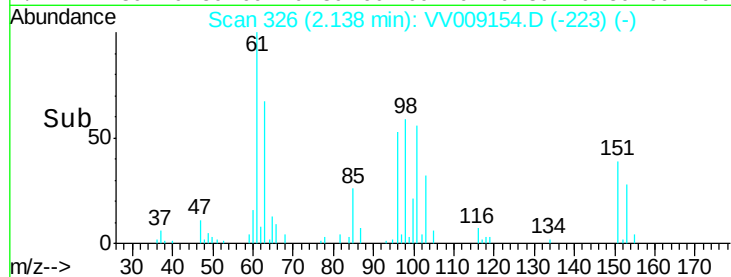
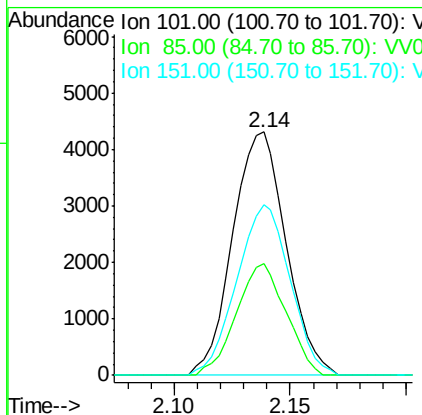
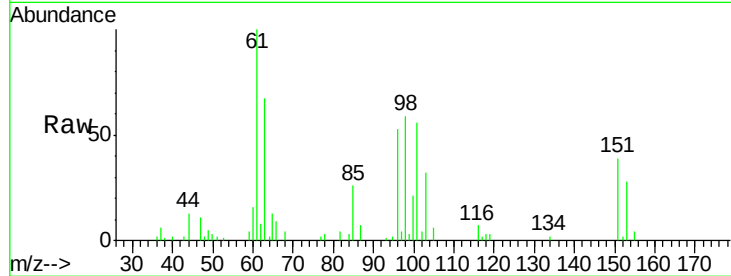
ClientSampleId :

VSTD2.562

Tot Ion:	101	Resp:	6903
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.6	52.0
151	70.0	62.6	94.0

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.858 ug/L

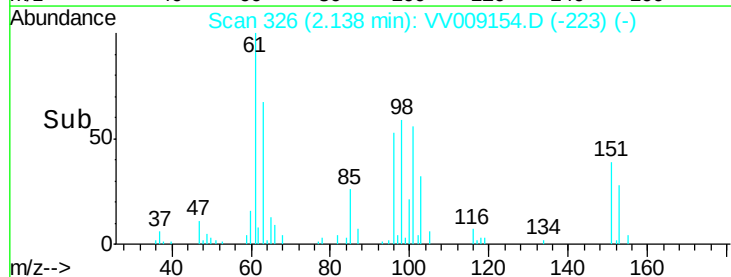
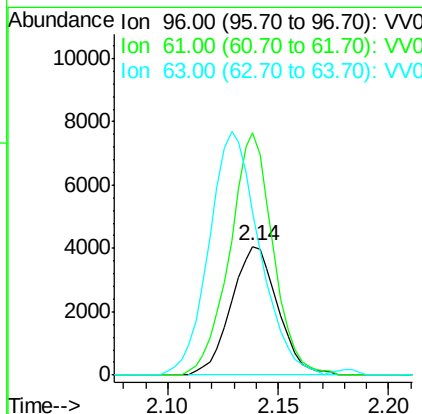
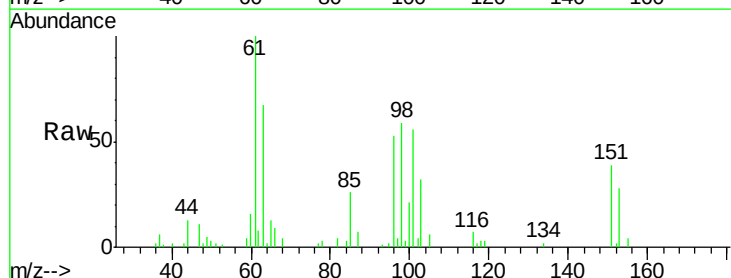
RT: 2.14 min Scan# 326

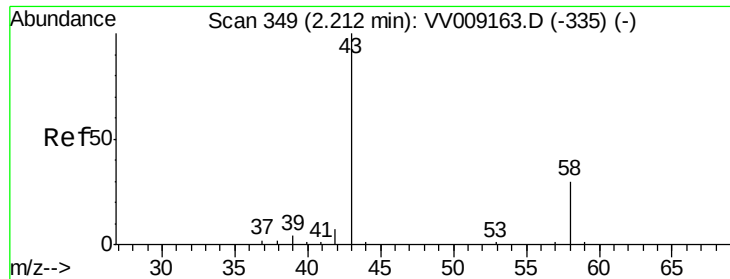
Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Tgt Ion:	96	Resp:	5961
Ion Ratio	Lower	Upper	
96	100		
61	188.2	117.0	217.4
63	126.7	78.2	145.2





#13

Acetone

Concen: 6.993 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Tot Ion: 43 Resp: 8059

Ion Ratio Lower Upper

43 100

58 32.2 0.0 67.0

Instrument :

MSVOA_V

ClientSampled :

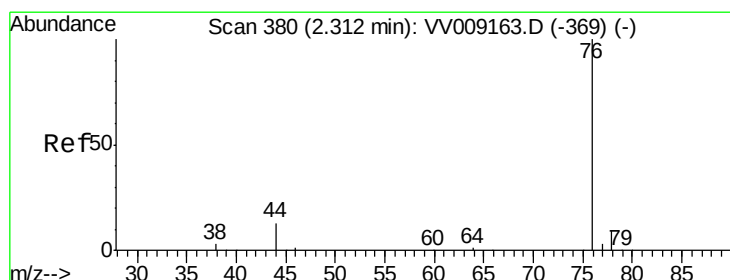
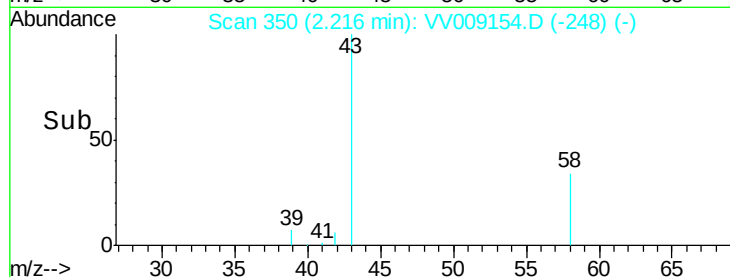
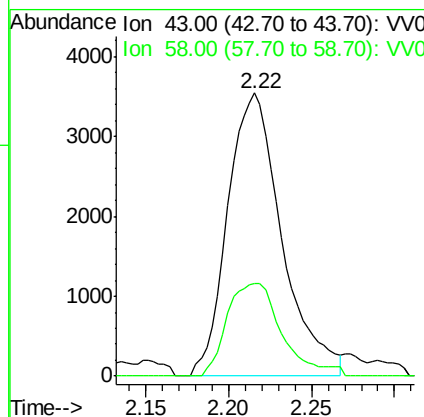
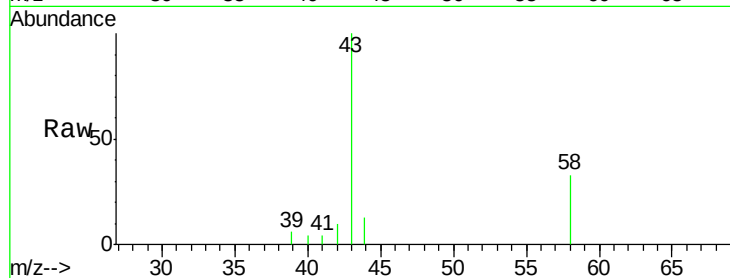
VSTD2.562

Manual Integrations

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#14

Carbon disulfide

Concen: 2.932 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV009154.D

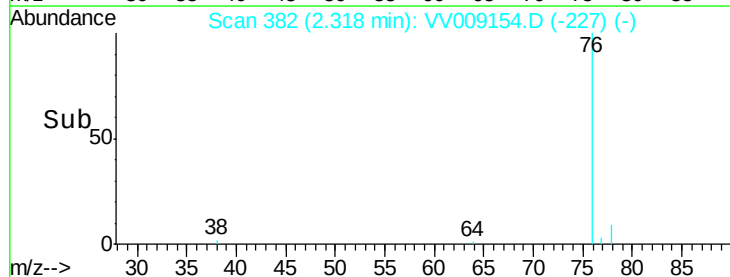
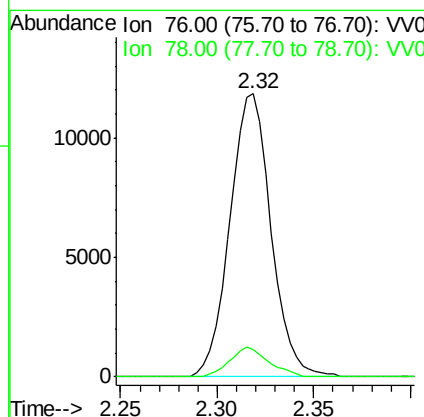
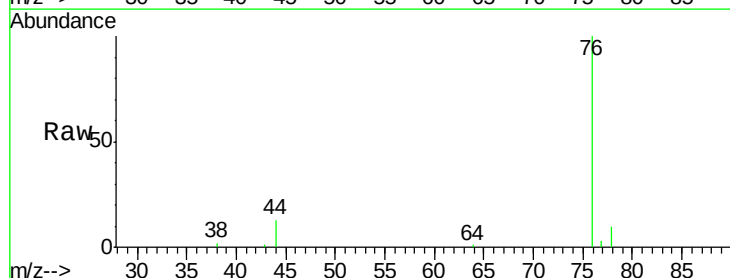
Acq: 04 Jan 2019 10:33

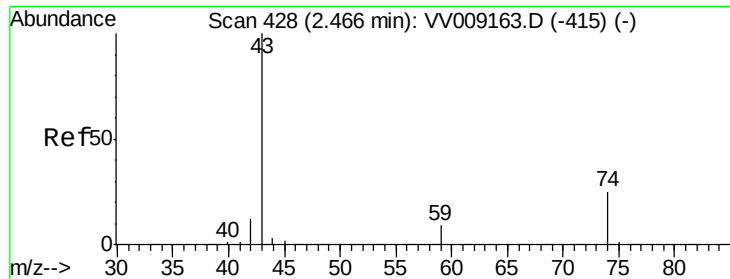
Tgt Ion: 76 Resp: 17477

Ion Ratio Lower Upper

76 100

78 9.9 7.3 10.9





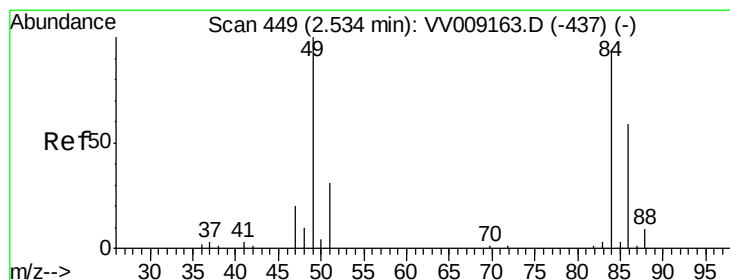
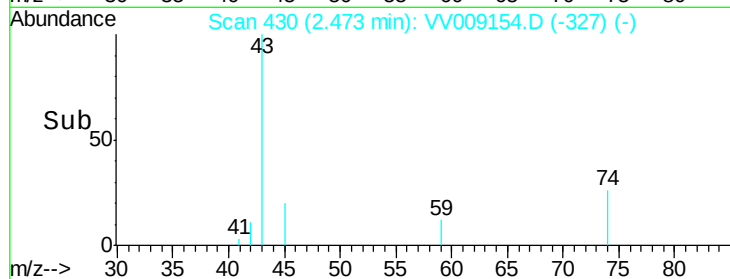
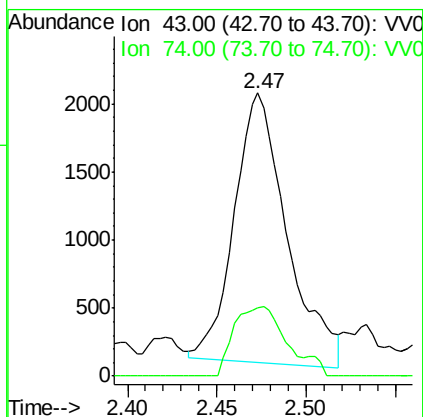
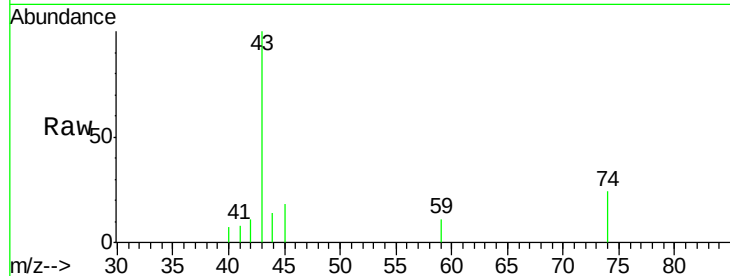
#15
Methvl Acetate
Concen: 2.855 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV009154.D
Acq: 04 Jan 2019 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.562

Tot Ion: 43 Resp: 4072
Ion Ratio Lower Upper
43 100
74 24.4 19.4 29.0

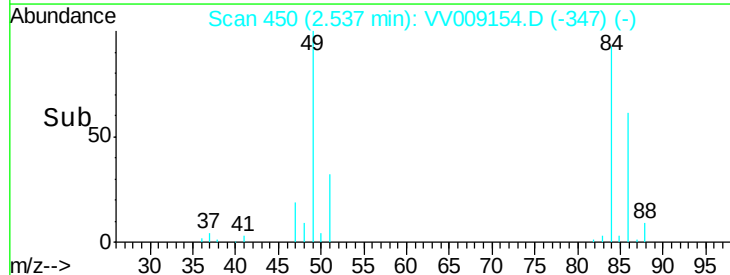
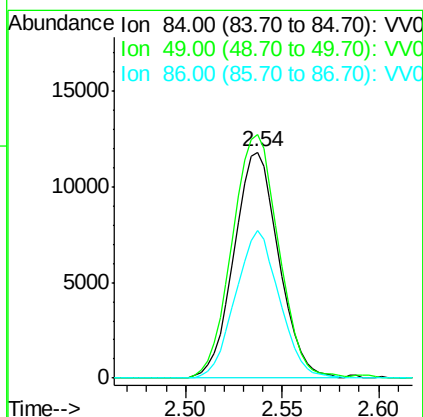
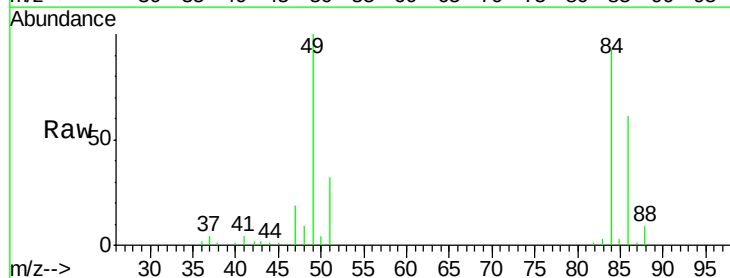
Manual Integrations
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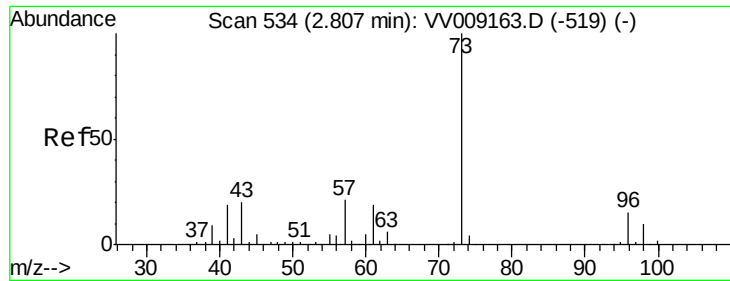
MMDadoda
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#16
Methylene chloride
Concen: 7.540 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV009154.D
Acq: 04 Jan 2019 10:33

Tgt Ion: 84 Resp: 19037
Ion Ratio Lower Upper
84 100
49 107.7 77.6 144.2
86 65.4 47.4 88.0





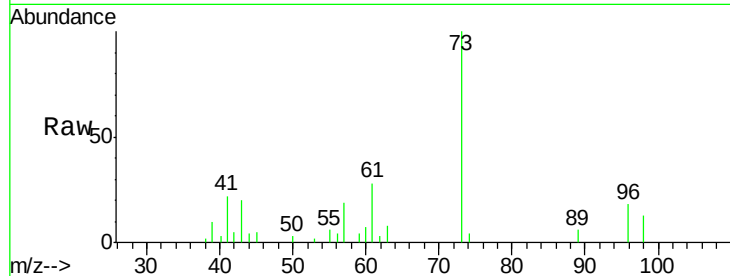
#17
Methyl tert-butyl Ether
Concen: 2.494 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VV009154.D
Acq: 04 Jan 2019 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.562

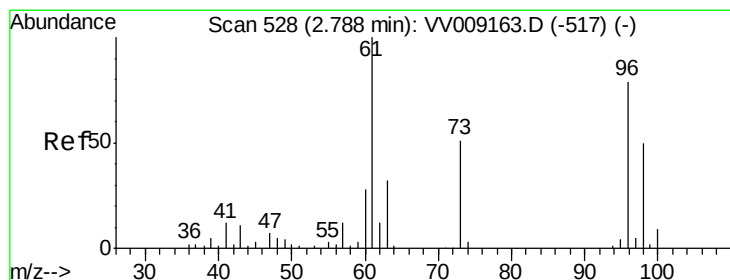
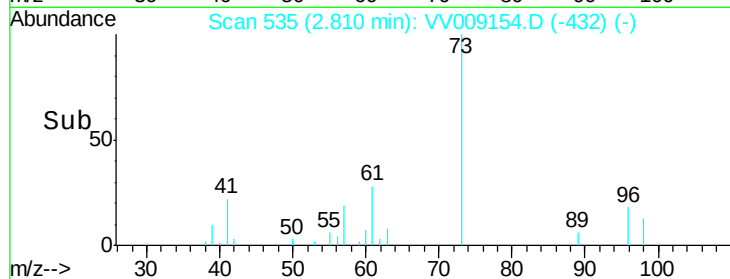
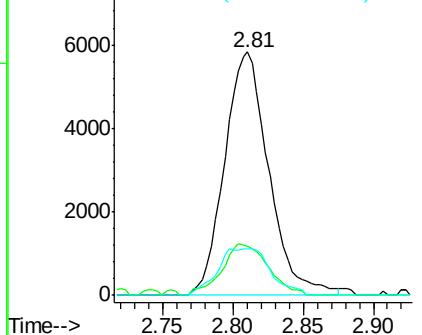
Tot Ion	Ratio	Lower	Upper
73	100		
43	22.2	15.4	23.2
57	10.1	16.2	24.2

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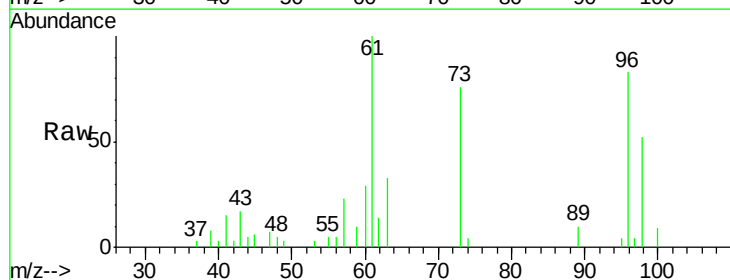


Abundance Ion 73.00 (72.70 to 73.70): VV009163.D (-519) (-)

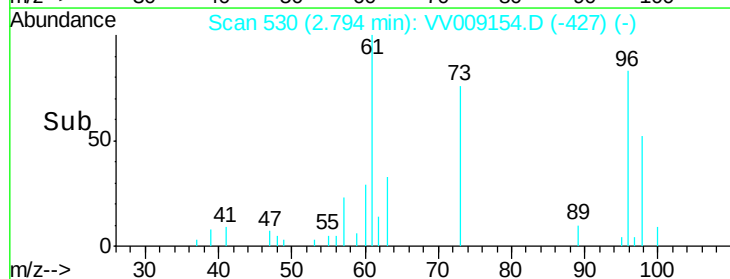
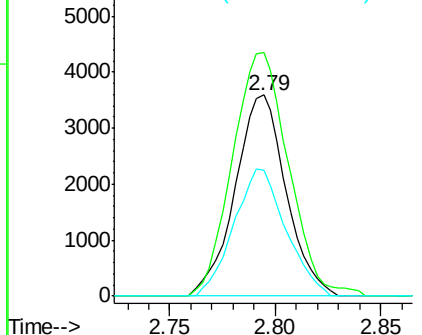


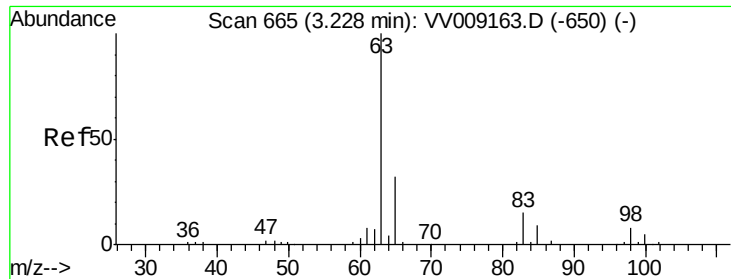
#18
trans-1,2-Dichloroethene
Concen: 2.733 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV009154.D
Acq: 04 Jan 2019 10:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.2	88.8	164.8
98	62.8	43.5	80.9



Abundance Ion 96.00 (95.70 to 96.70): VV009163.D (-517) (-)





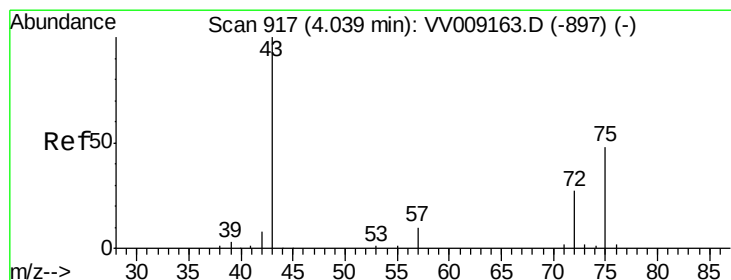
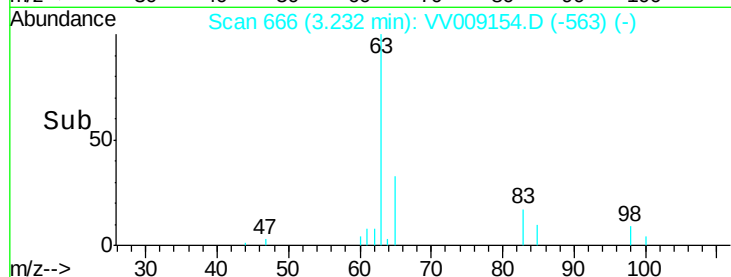
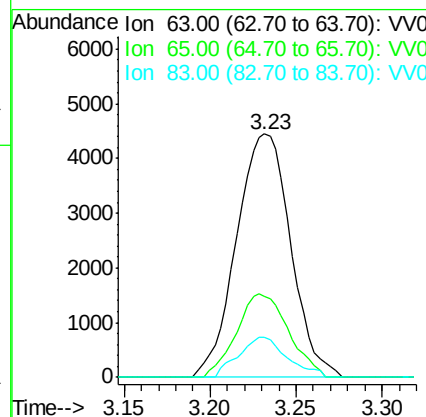
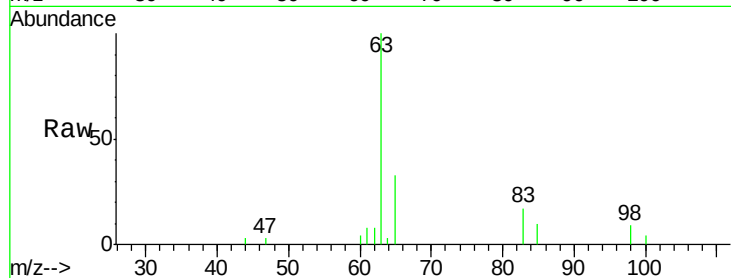
#19
 1,1-Dichloroethane
 Concen: 2.651 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV009154.D
 Acq: 04 Jan 2019 10:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.562

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.4	22.6	42.0
83	16.6	9.9	18.3

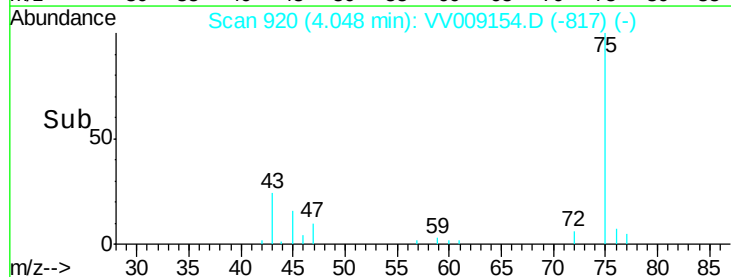
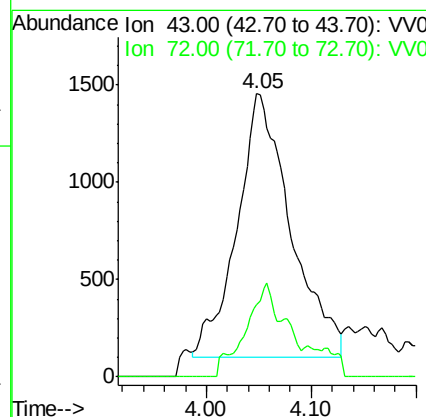
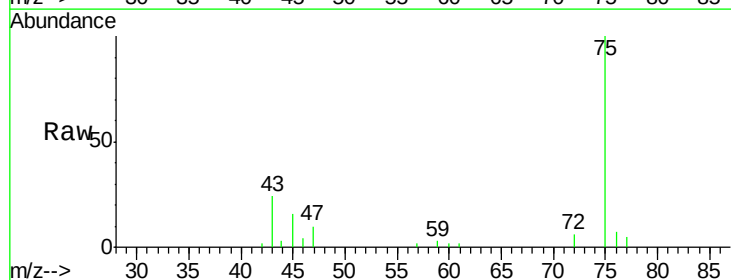
Manual Integrations
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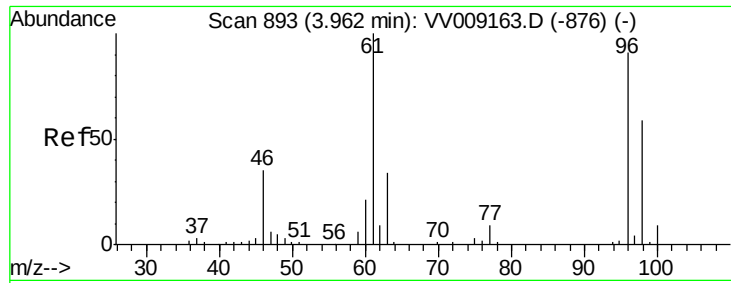
MMDadoda
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#21
 2-Butanone
 Concen: 4.538 ug/L m
 RT: 4.05 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VV009154.D
 Acq: 04 Jan 2019 10:33

Tgt Ion	Ratio	Lower	Upper
43	100		
72	13.2	0.1	0.1#





#22

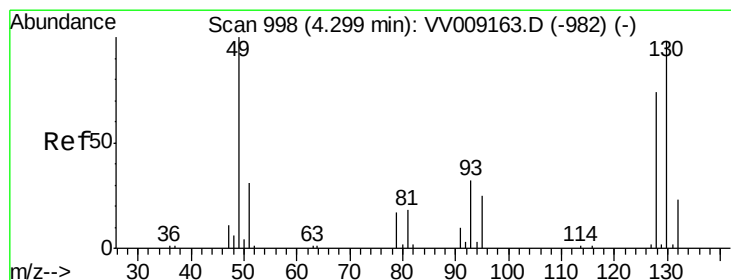
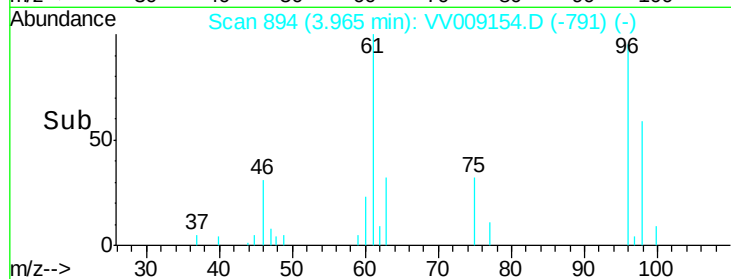
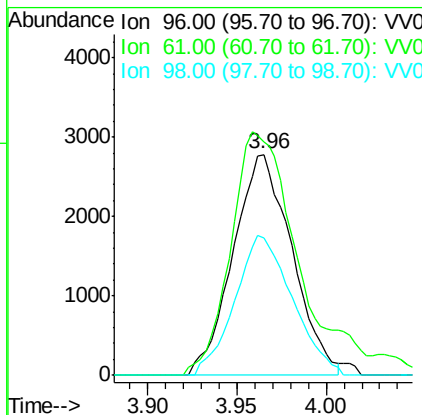
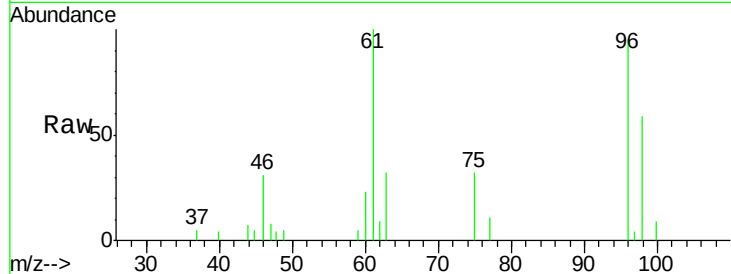
cis-1,2-Dichloroethene
Concen: 2.711 ug/L
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VV009154.D
Acq: 04 Jan 2019 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.562

Tot Ion	Ratio	Lower	Upper
96	100		
61	105.5	83.2	154.6
98	62.1	45.8	85.2

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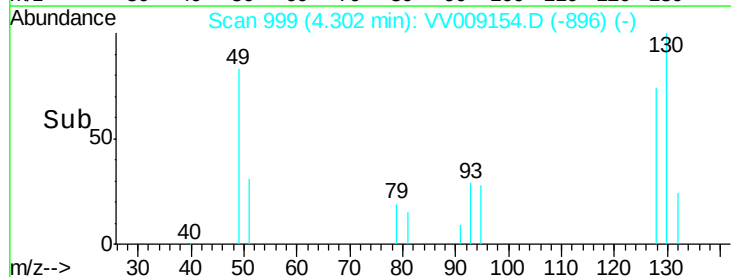
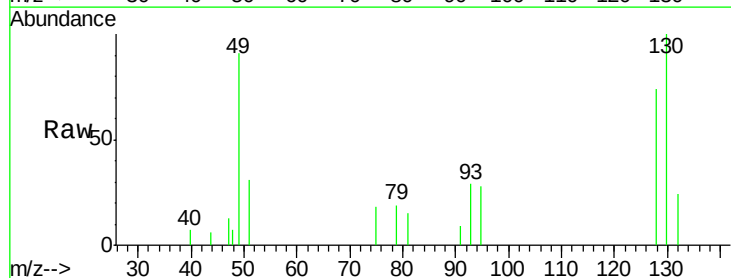
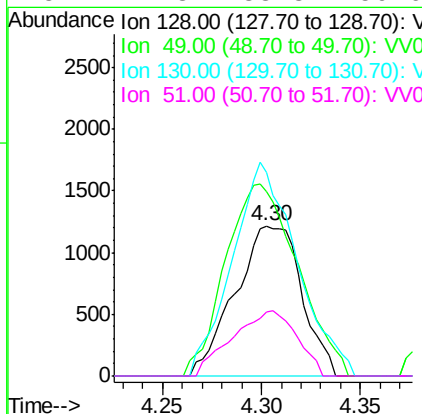
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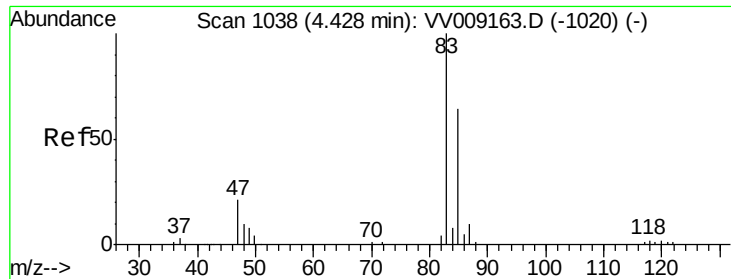


#23

Bromochloromethane
Concen: 2.564 ug/L m
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV009154.D
Acq: 04 Jan 2019 10:33

Tgt Ion	Ratio	Lower	Upper
128	100		
49	123.0	89.9	167.0
130	135.8	87.8	163.2
51	42.3	33.8	50.6





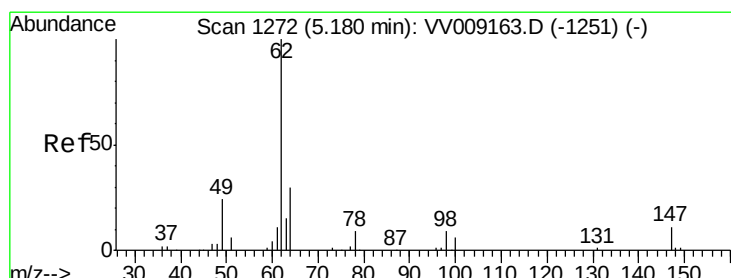
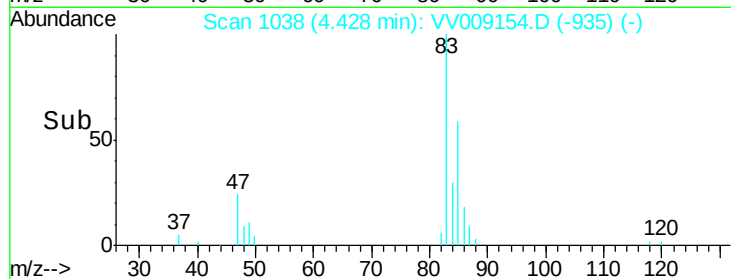
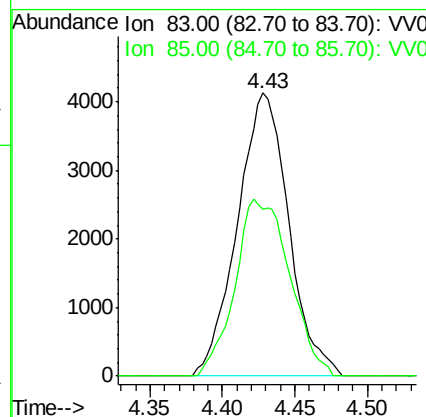
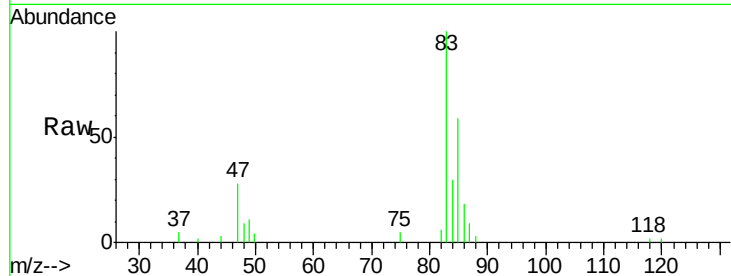
#25
Chloroform
Concen: 2.601 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009154.D
Acq: 04 Jan 2019 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.562

Tot Ion	83	Resp	10168
Ion Ratio	100	Lower	Upper
83	100		
85	34.9	45.3	84.1#

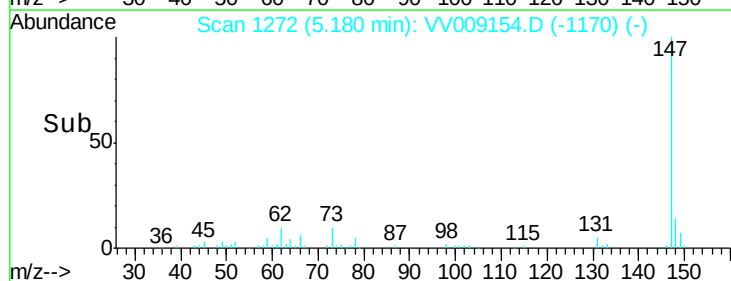
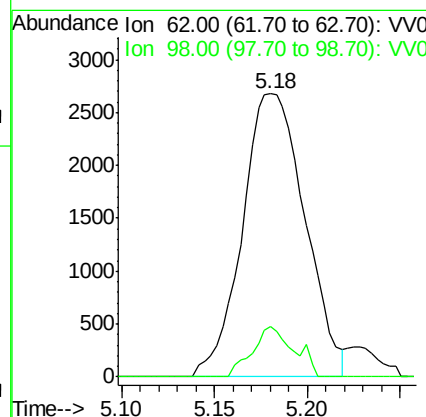
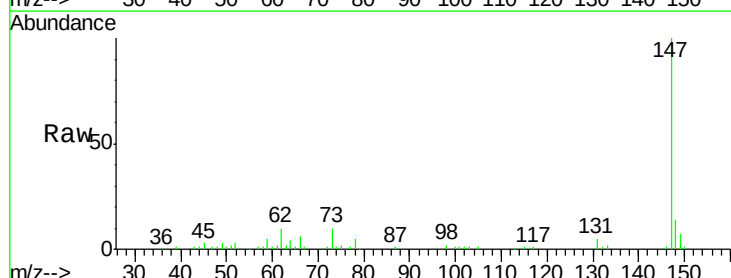
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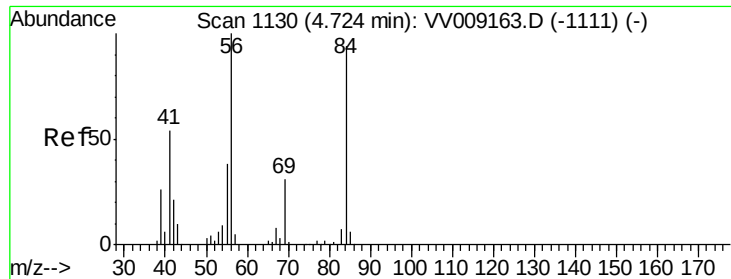
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#27
1,2-Dichloroethane
Concen: 2.385 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009154.D
Acq: 04 Jan 2019 10:33

Tgt Ion	62	Resp	6264
Ion Ratio	100	Lower	Upper
62	100		
98	17.6	8.1	12.1#





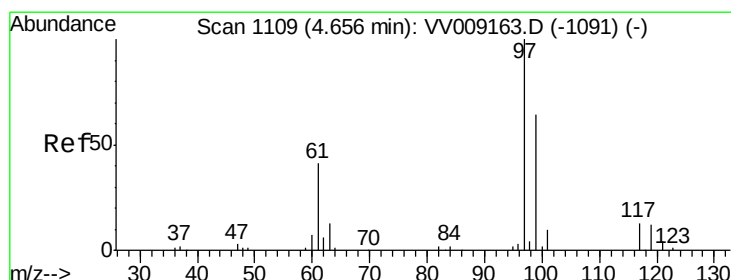
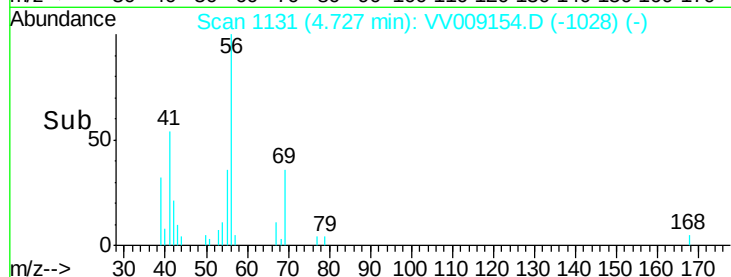
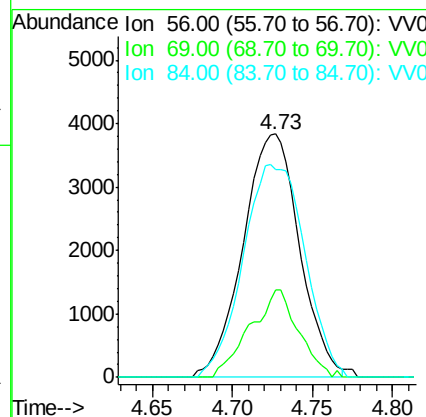
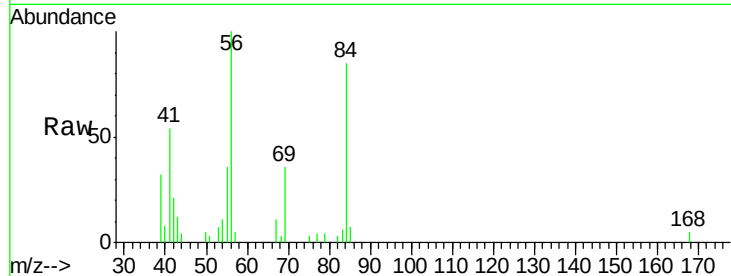
#30
Cyclohexane
Concen: 2.709 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VV009154.D
Acq: 04 Jan 2019 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.562

Tot Ion	Ratio	Lower	Upper
56	100		
69	20.8	26.0	39.0#
84	52.3	77.0	115.4#

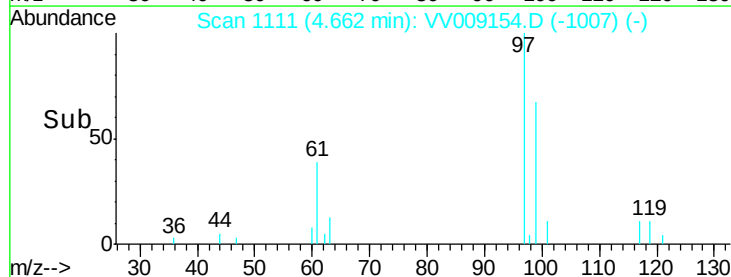
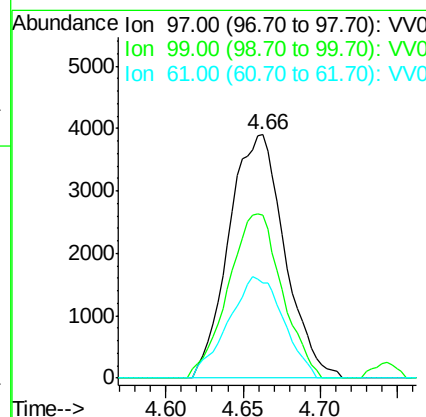
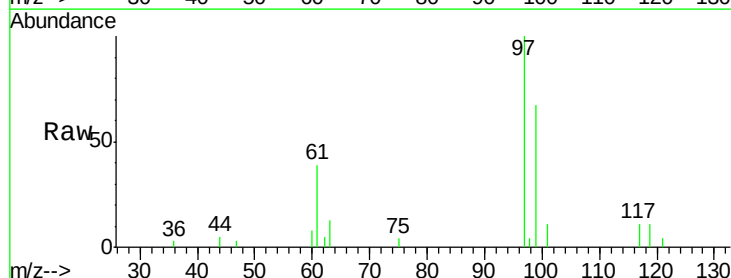
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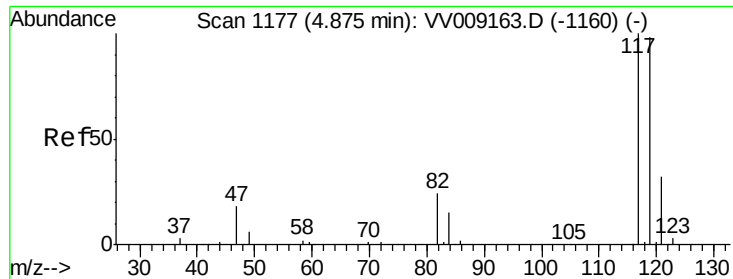
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#31
1,1,1-Trichloroethane
Concen: 2.600 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV009154.D
Acq: 04 Jan 2019 10:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.2	76.8
61	40.9	31.8	47.6





#32

Carbon tetrachloride

Concen: 2.652 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.562

Tot Ion:117 Resp: 9132

Ion Ratio Lower Upper

117 100

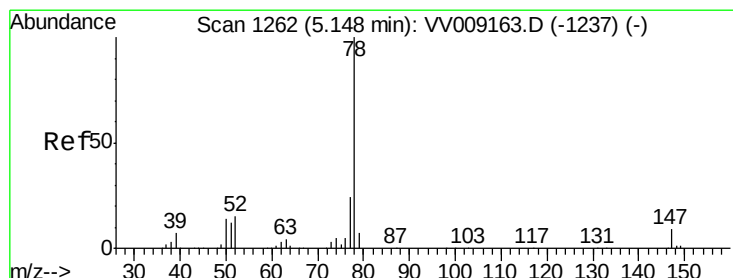
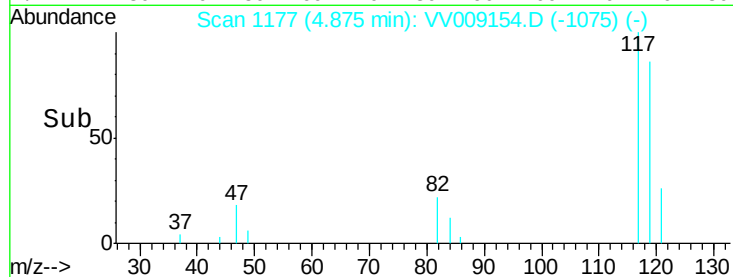
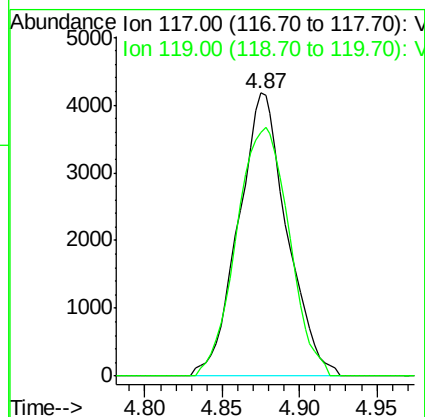
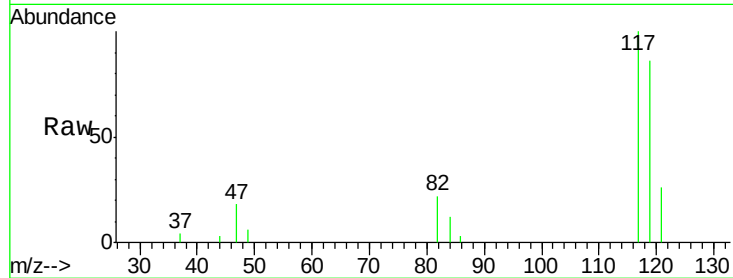
119 94.8 76.6 115.0

Manual Integrations

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#34

Benzene

Concen: 2.671 ug/L

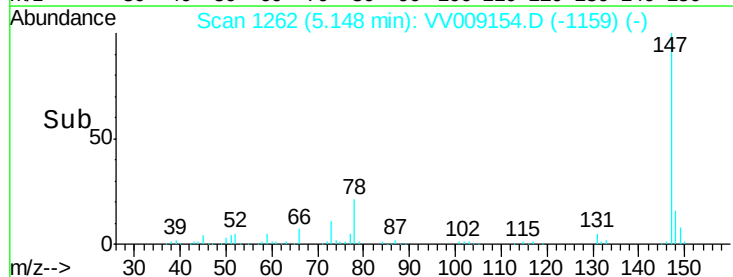
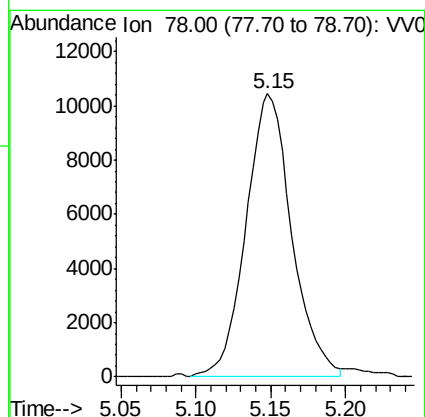
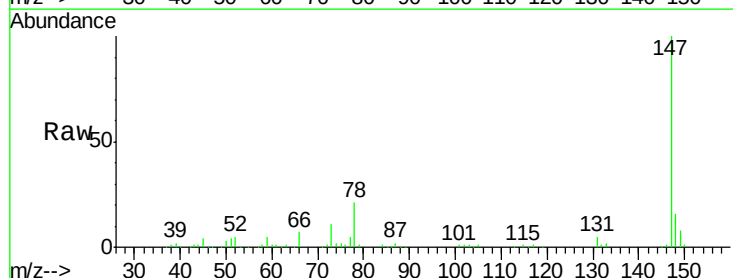
RT: 5.15 min Scan# 1262

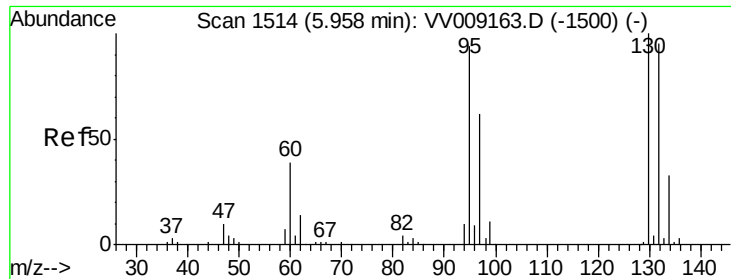
Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Tgt Ion: 78 Resp: 22223





#35

Trichloroethene

Concen: 2.790 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.562

Tot Ion: 95 Resp: 6688

Ion Ratio Lower Upper

95 100

97 65.5 46.2 85.8

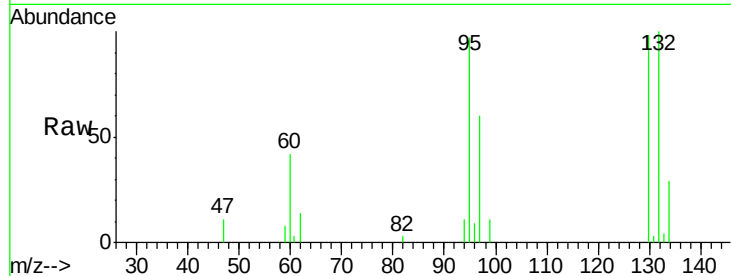
132 106.1 73.9 137.3

130 104.2 77.0 143.0

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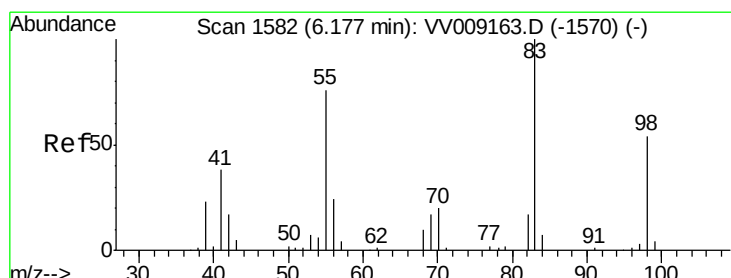
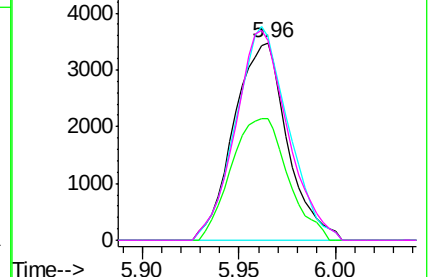
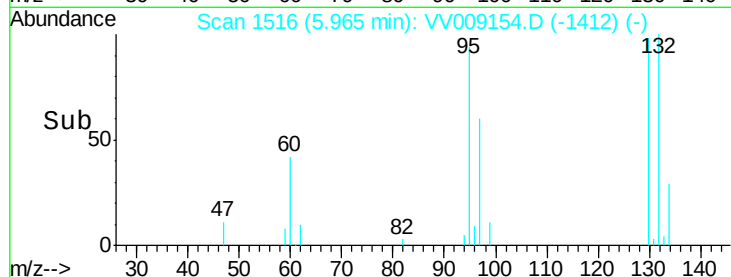


Abundance Ion 95.00 (94.70 to 95.70): VV009163.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV009163.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV009163.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV009163.D (-1500) (-)



#36

Methylcyclohexane

Concen: 2.784 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

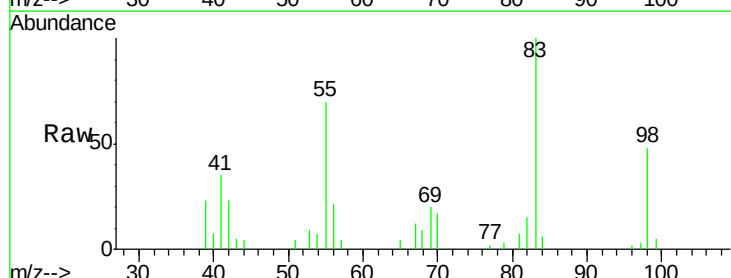
Tgt Ion: 83 Resp: 11151

Ion Ratio Lower Upper

83 100

55 67.4 58.5 87.7

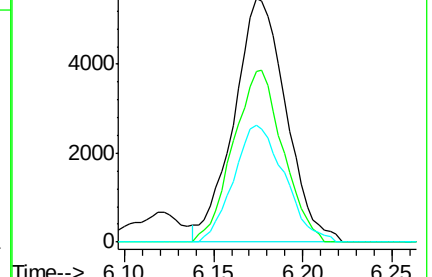
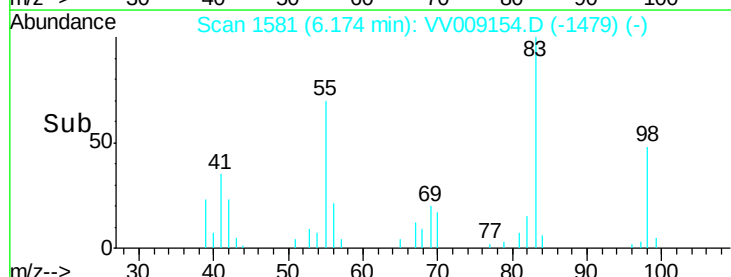
98 46.9 41.4 62.0

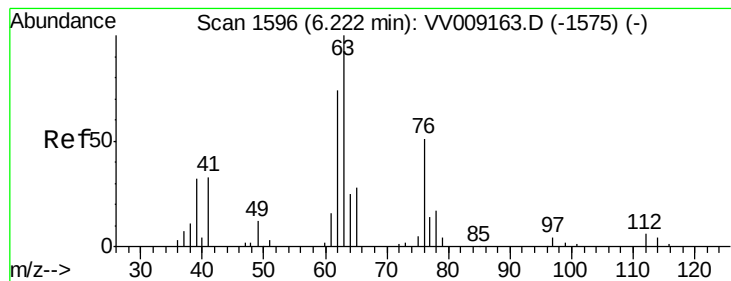


Abundance Ion 83.00 (82.70 to 83.70): VV009163.D (-1570) (-)

Ion 55.00 (54.70 to 55.70): VV009163.D (-1570) (-)

Ion 98.00 (97.70 to 98.70): VV009163.D (-1570) (-)





#40

1,2-Dichloropropane

Concen: 2.776 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.562

Tot Ion: 63 Resp: 5566

Ion Ratio Lower Upper

63 100

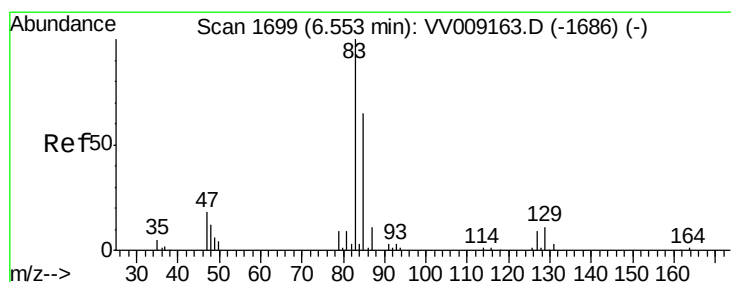
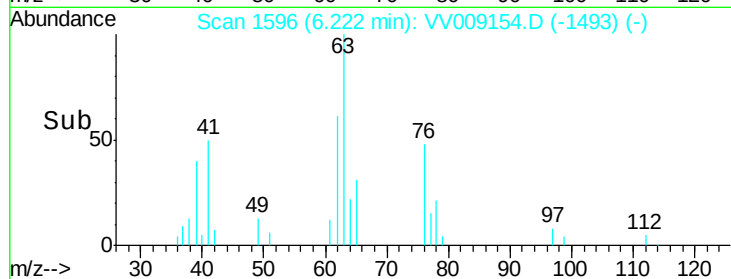
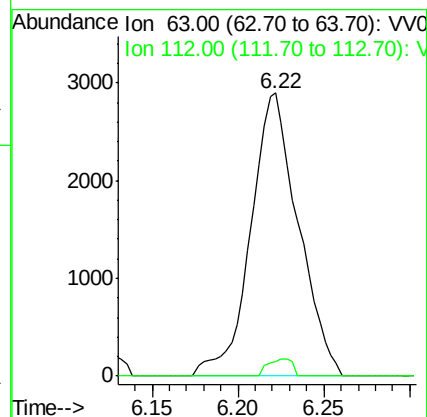
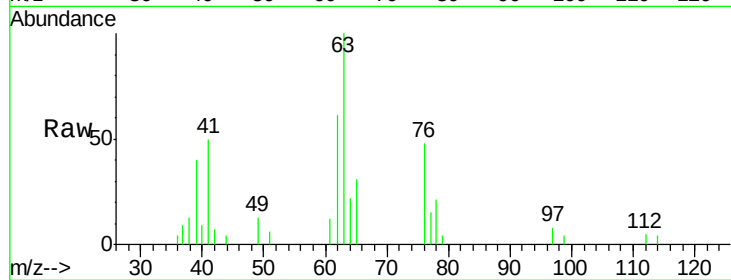
112 3.1 3.9 5.9#

Manual Integrations

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#41

Bromodichloromethane

Concen: 2.617 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

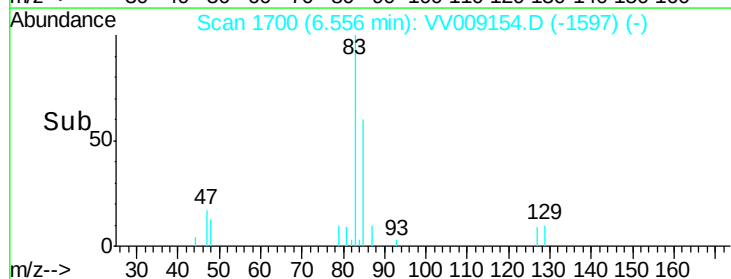
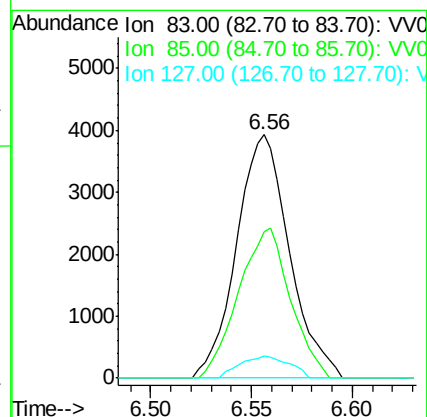
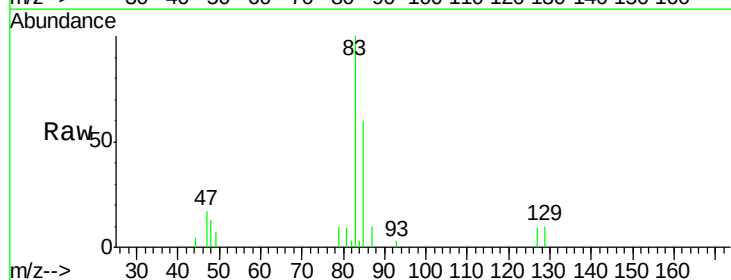
Tgt Ion: 83 Resp: 7194

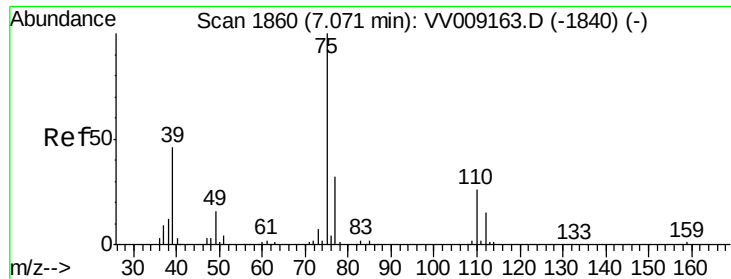
Ion Ratio Lower Upper

83 100

85 60.1 45.3 84.1

127 8.9 7.8 11.6





#42

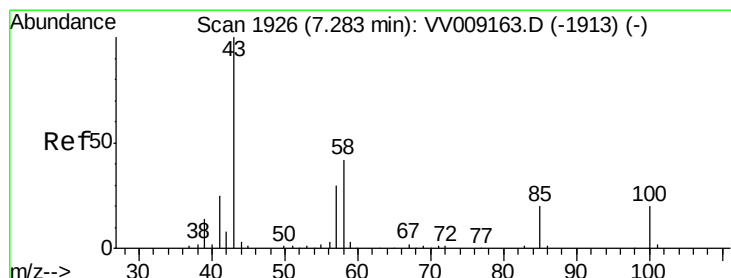
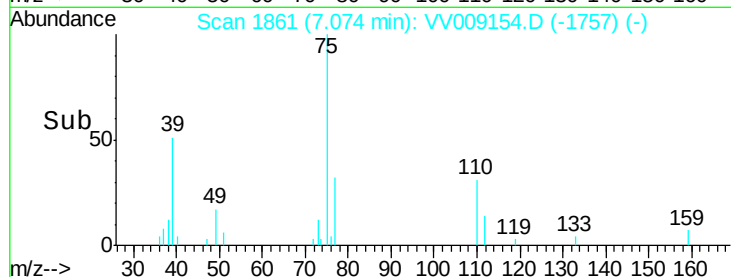
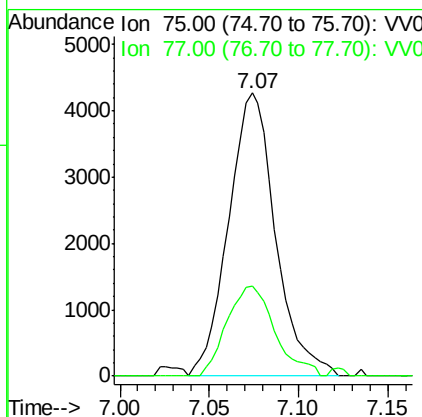
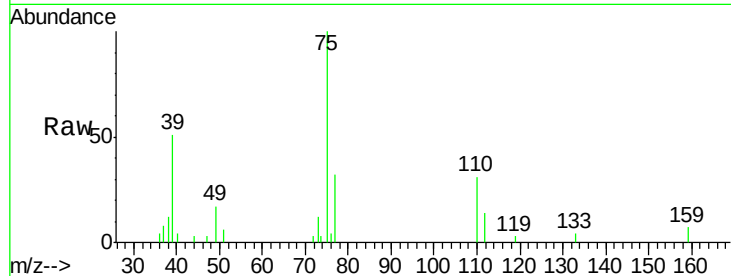
cis-1,3-Dichloropropene
Concen: 2.471 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV009154.D
Acq: 04 Jan 2019 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.562

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	22.8	42.4

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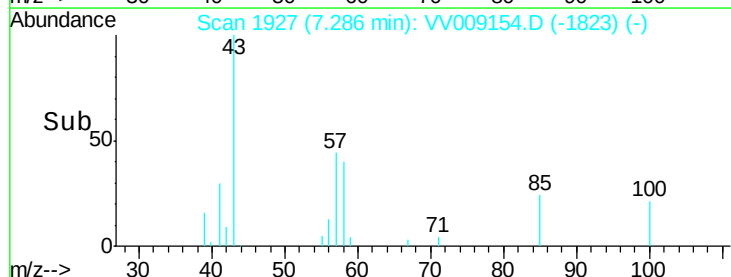
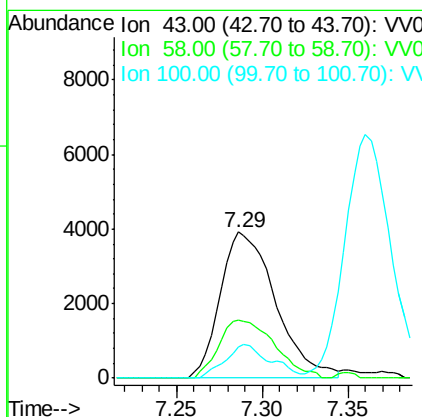
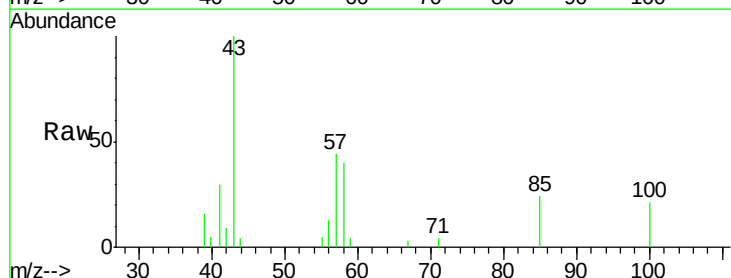
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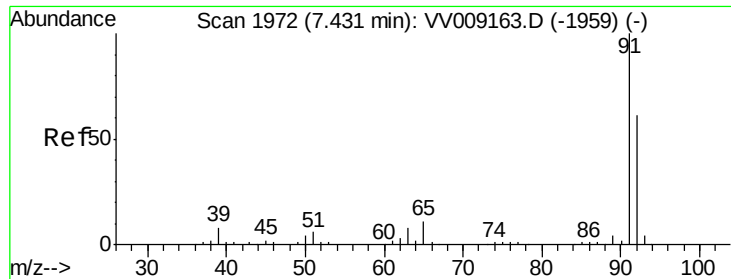


#43

4-Methyl-2-pentanone
Concen: 4.585 ug/L
RT: 7.29 min Scan# 1927
Delta R.T. 0.00 min
Lab File: VV009154.D
Acq: 04 Jan 2019 10:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	33.4	50.2
100	15.4	15.2	22.8





#44

Toluene

Concen: 2.688 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.562

Tot Ion: 91 Resp: 24115

Ion Ratio Lower Upper

91 100

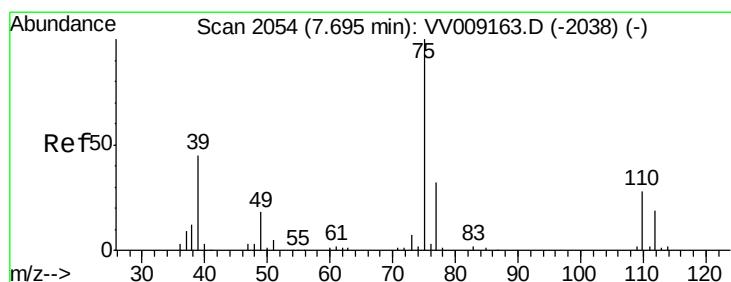
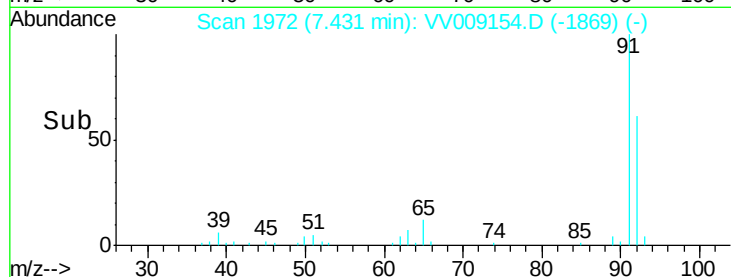
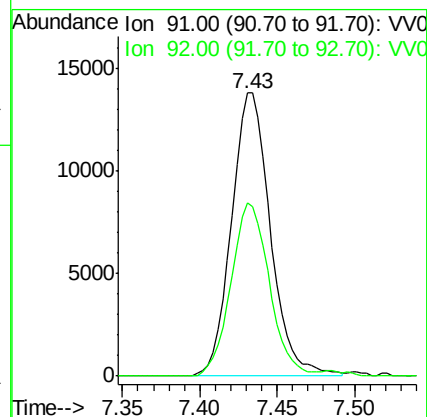
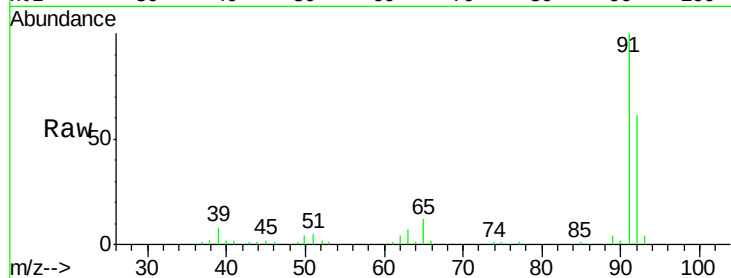
92 61.4 41.7 77.5

Manual Integrations

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#45

trans-1,3-Dichloropropene

Concen: 2.458 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV009154.D

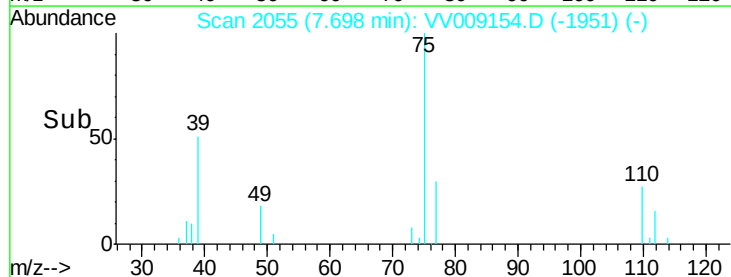
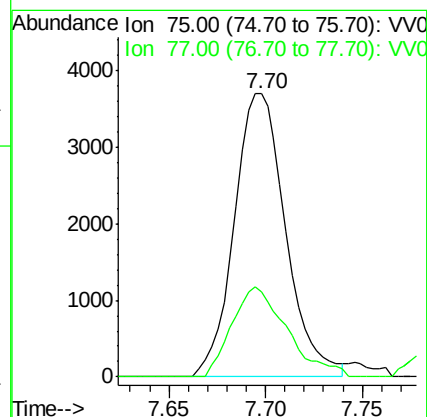
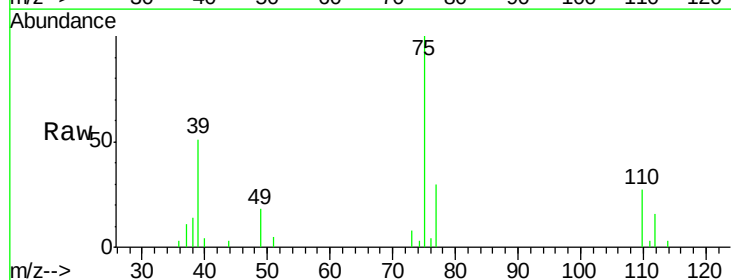
Acq: 04 Jan 2019 10:33

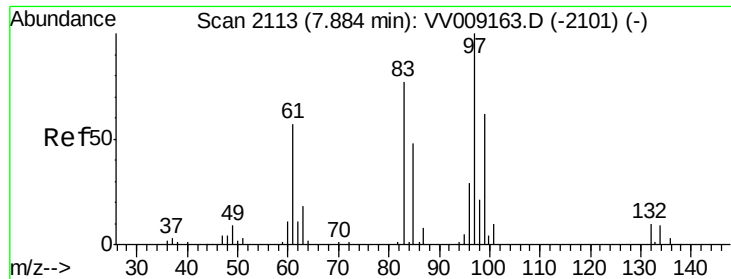
Tgt Ion: 75 Resp: 6839

Ion Ratio Lower Upper

75 100

77 30.0 22.3 41.5





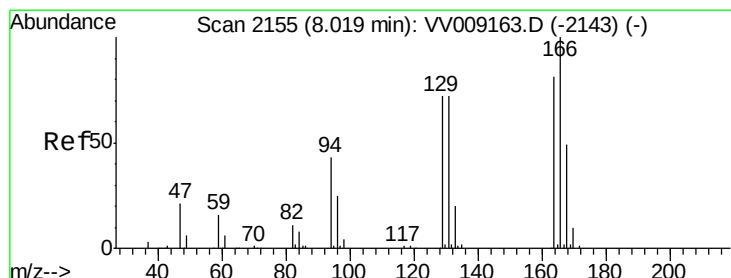
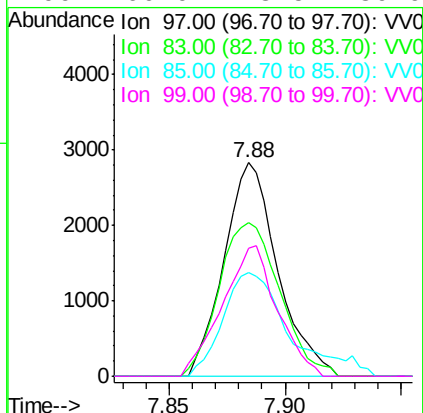
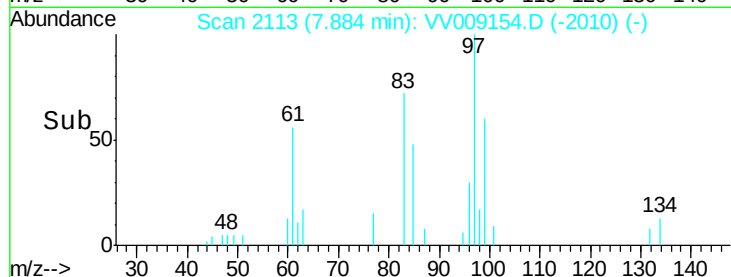
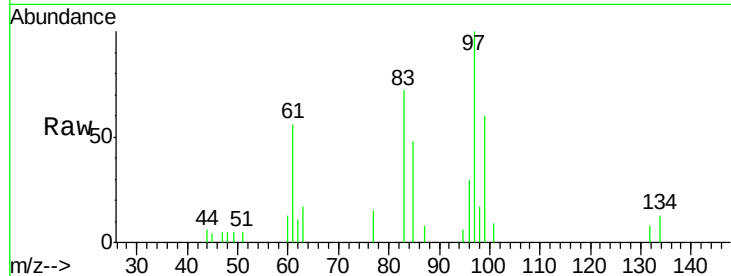
#46
 1,1,2-Trichloroethane
 Concen: 2.570 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009154.D
 Acq: 04 Jan 2019 10:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.562

Tot Ion:	97	Resp:	4555
Ion	Ratio	Lower	Upper
97	100		
83	71.7	56.0	104.0
85	48.3	36.5	67.9
99	60.0	43.5	80.9

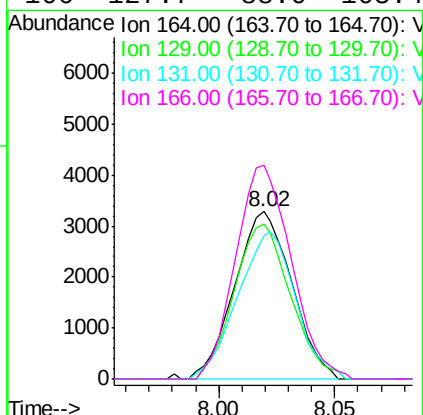
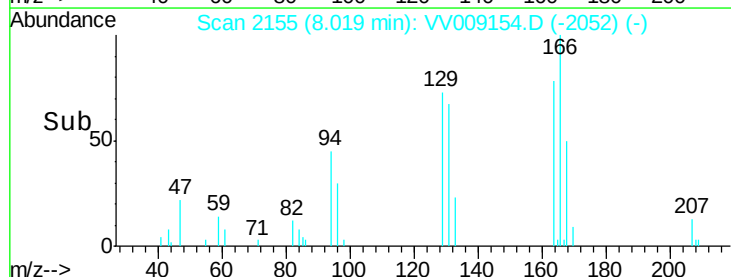
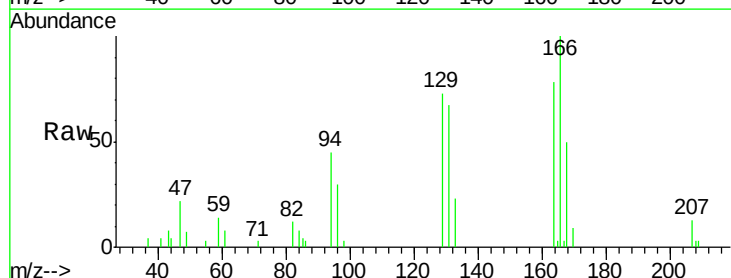
Manual Integrations
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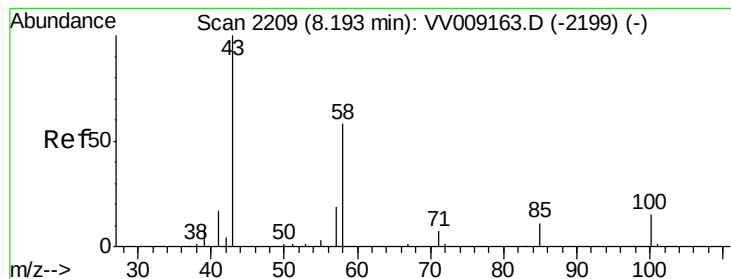
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#47
 Tetrachloroethene
 Concen: 2.707 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009154.D
 Acq: 04 Jan 2019 10:33

Tgt Ion:	164	Resp:	5621
Ion	Ratio	Lower	Upper
164	100		
129	92.8	63.5	117.9
131	85.6	63.2	117.4
166	127.7	88.0	163.4





#49

2-Hexanone

Concen: 4.001 ug/L

RT: 8.20 min Scan# 2211

Delta R.T. 0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Instrument :

MSVOA_V

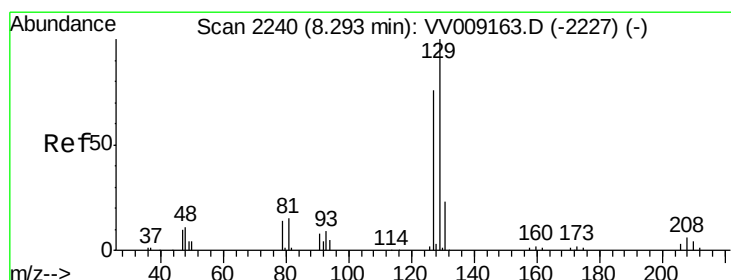
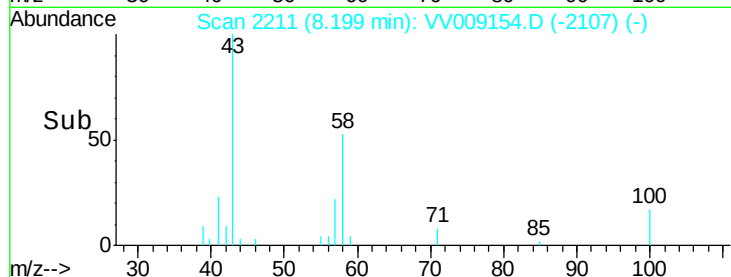
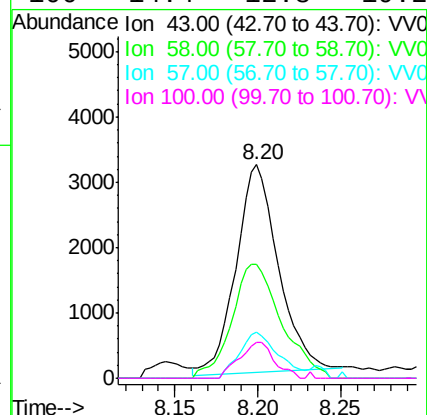
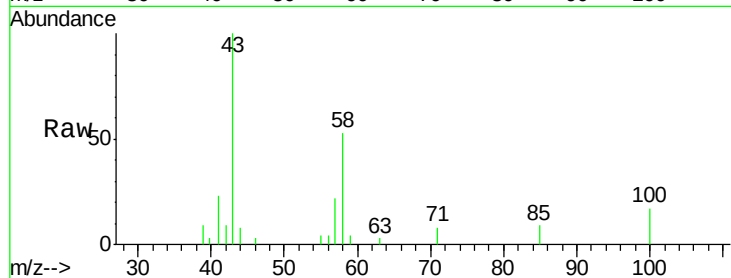
ClientSampleId :

VSTD2.562

Tot Ion:	43	Resp:	5629
Ion	Ratio	Lower	Upper
43	100		
58	64.1	46.7	70.1
57	20.4	15.5	23.3
100	14.4	12.8	19.2

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#50

Dibromochloromethane

Concen: 2.467 ug/L

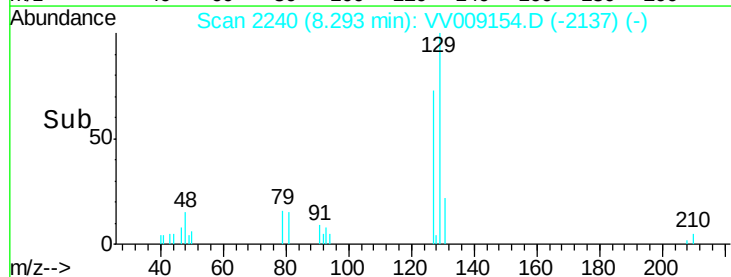
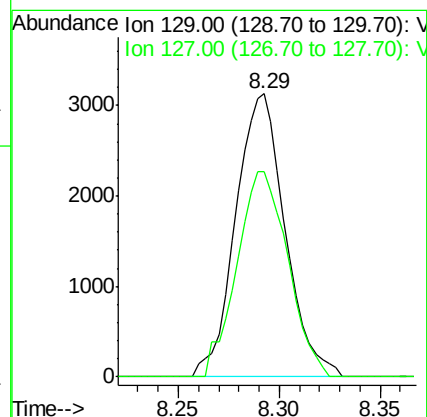
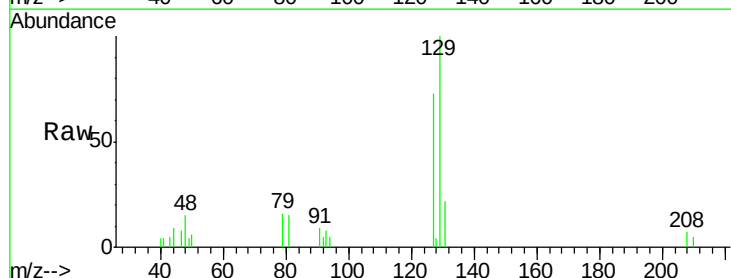
RT: 8.29 min Scan# 2240

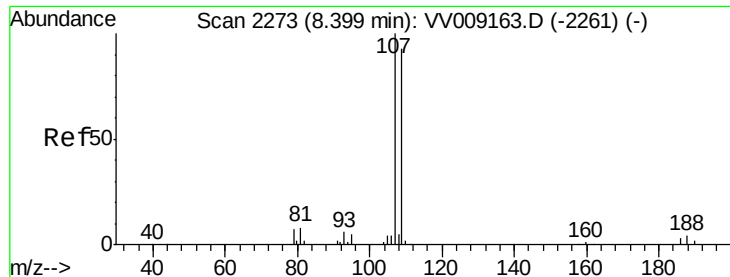
Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Tgt Ion:	129	Resp:	5371
Ion	Ratio	Lower	Upper
129	100		
127	72.7	53.1	98.7





#51

1,2-Dibromoethane

Concen: 2.431 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Instrument :

MSVOA_V

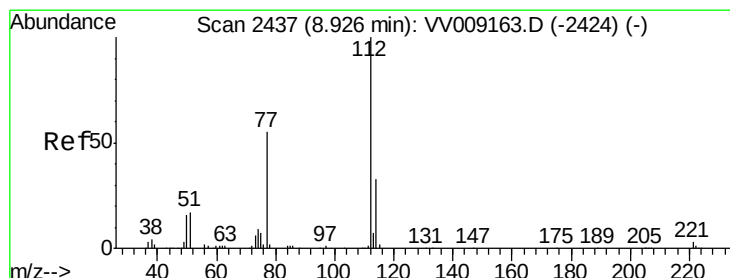
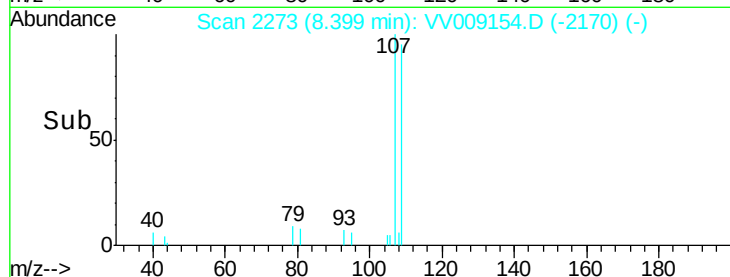
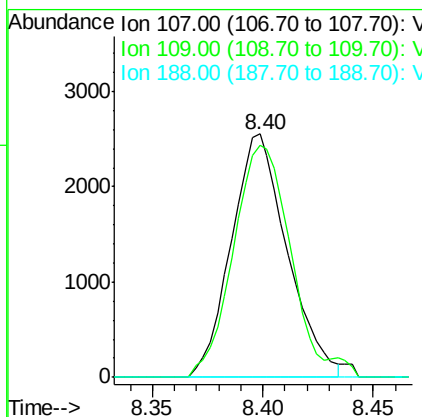
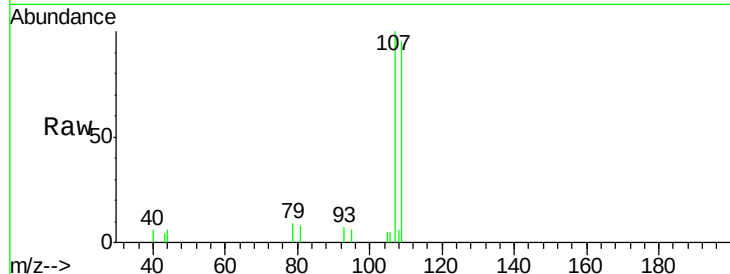
ClientSampleId :

VSTD2.562

Tot Ion:	107	Resp:	4505
Ion Ratio	Lower	Upper	
107	100		
109	95.5	63.6	118.0
188	0.0	3.3	4.9#

Manual Integrations
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#52

Chlorobenzene

Concen: 2.590 ug/L

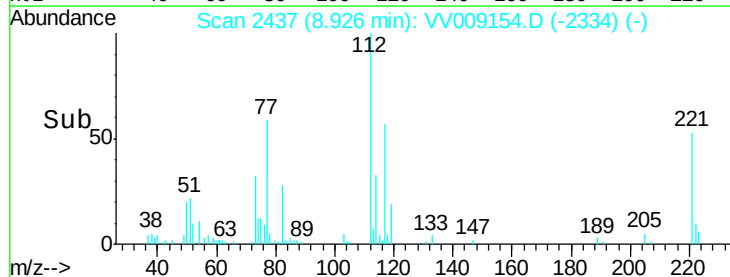
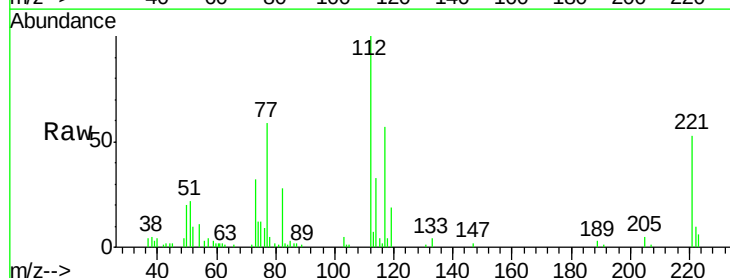
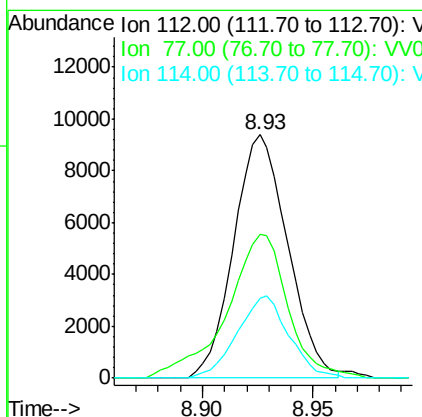
RT: 8.93 min Scan# 2437

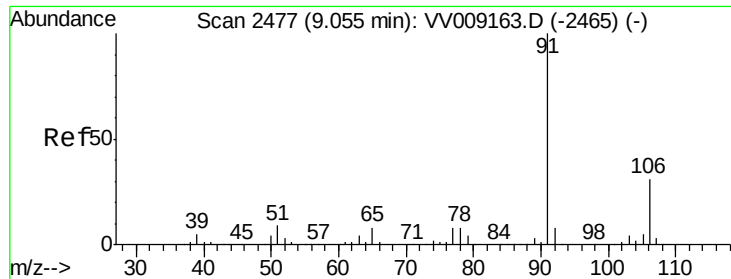
Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Tgt Ion:	112	Resp:	15942
Ion Ratio	Lower	Upper	
112	100		
77	58.8	44.6	66.8
114	32.8	22.5	41.9





#53

Ethylbenzene

Concen: 2.530 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Tot Ion: 91 Resp: 25663

Ion Ratio Lower Upper

91 100

106 31.1 22.5 41.9

Instrument :

MSVOA_V

ClientSampleId :

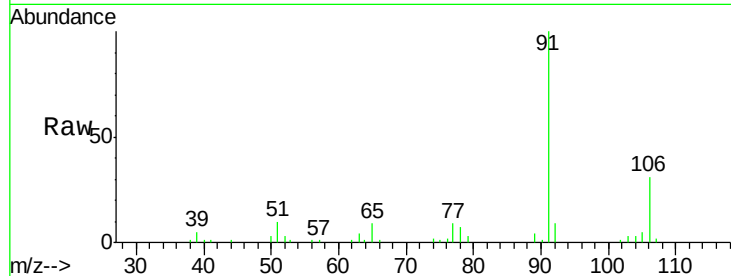
VSTD2.562

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VV009163.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV009163.D (-2465) (-)

9.06

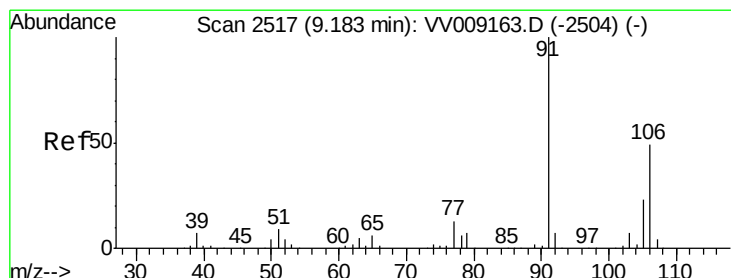
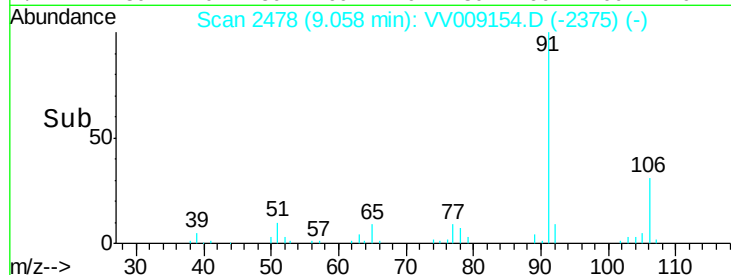
15000

10000

5000

0

Time-->



#54

m,p-Xylene

Concen: 2.473 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV009154.D

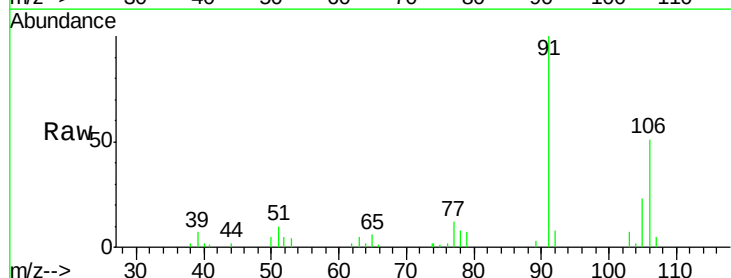
Acq: 04 Jan 2019 10:33

Tgt Ion: 106 Resp: 9773

Ion Ratio Lower Upper

106 100

91 196.7 138.9 257.9



Abundance Ion 106.00 (105.70 to 106.70): VV009163.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV009163.D (-2504) (-)

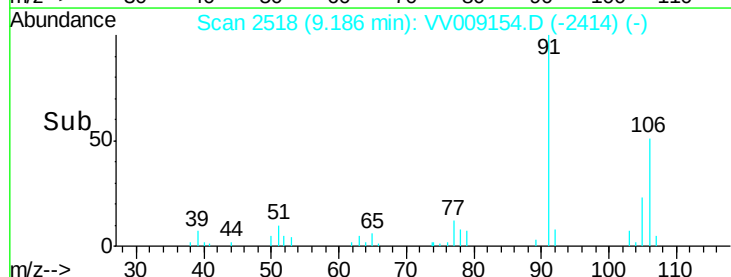
9.19

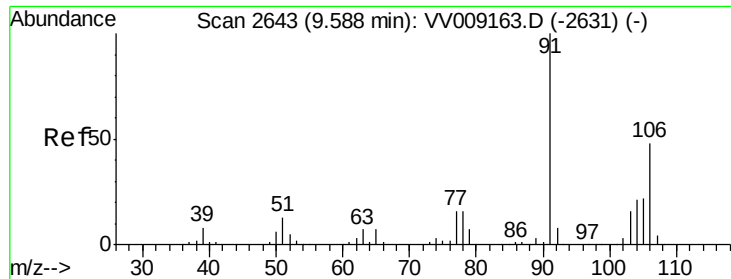
10000

5000

0

Time-->





#55

o-xylene

Concen: 2.375 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.562

Tot Ion:106 Resp: 8681

Ion Ratio Lower Upper

106 100

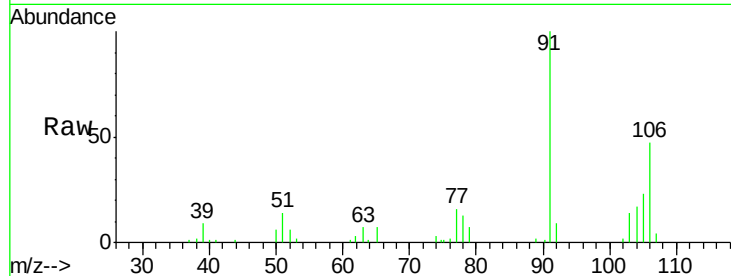
91 214.2 148.7 276.1

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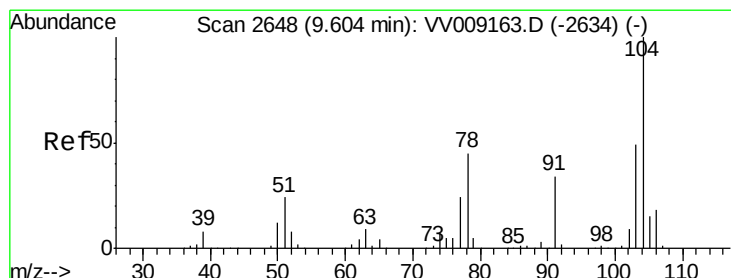
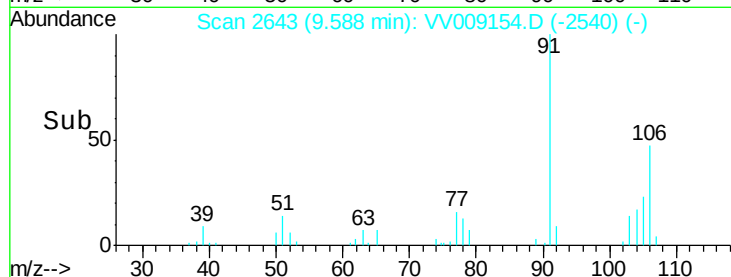
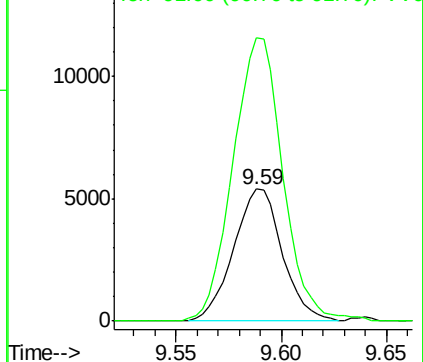
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 2.233 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV009154.D

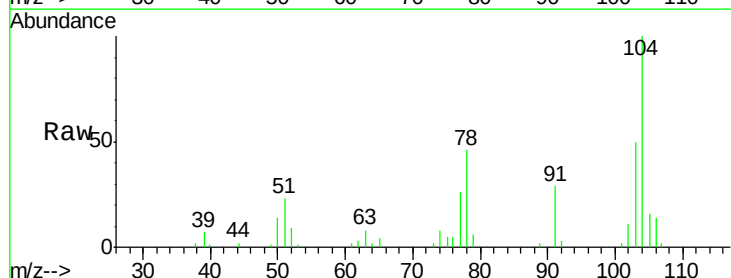
Acq: 04 Jan 2019 10:33

Tgt Ion:104 Resp: 13767

Ion Ratio Lower Upper

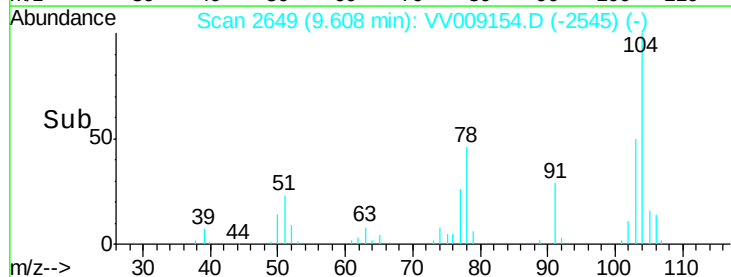
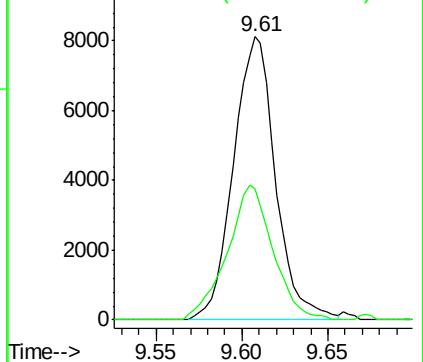
104 100

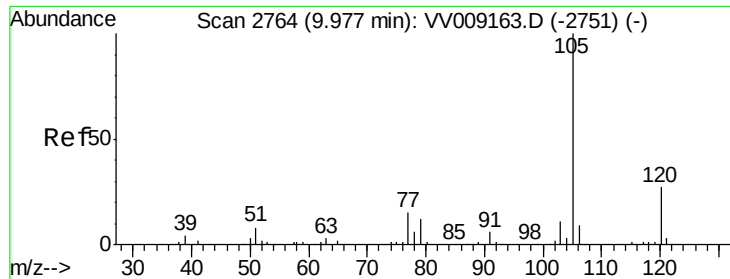
78 46.1 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 2.510 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Instrument :

MSVOA_V

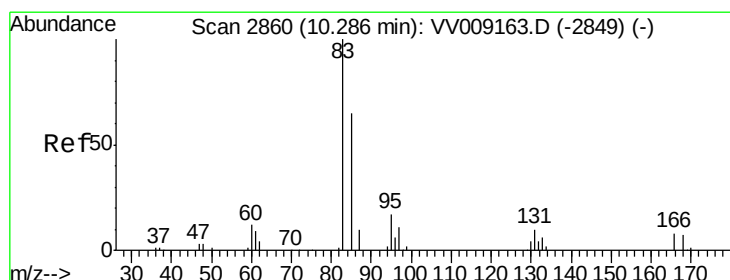
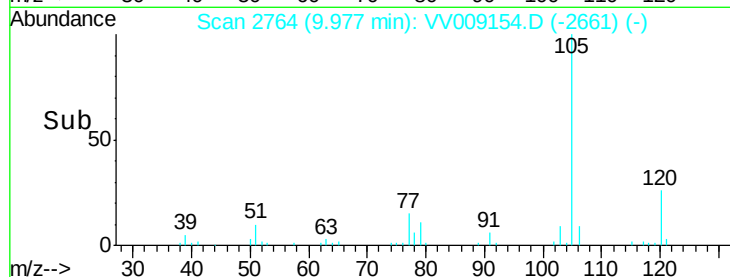
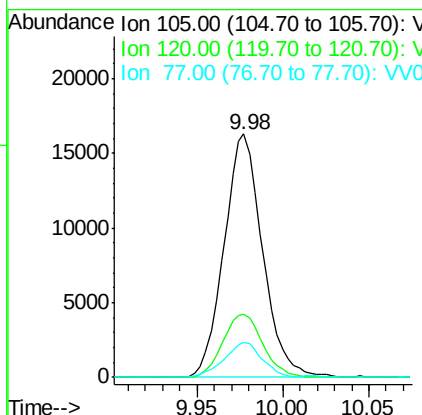
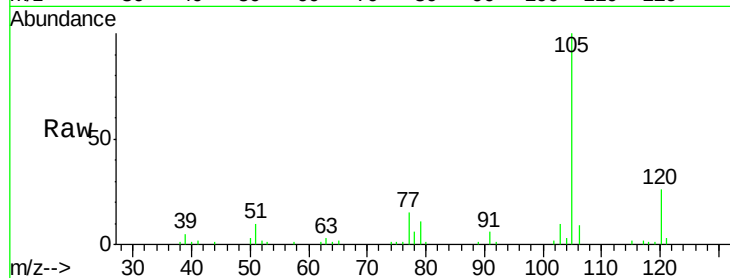
ClientSampleId :

VSTD2.562

Tot Ion:	105	Resp:	25453
Ion Ratio	Lower	Upper	
105	100		
120	26.7	21.9	32.9
77	14.1	12.1	18.1

Manual Integrations
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#58

1,1,2,2-Tetrachloroethane

Concen: 2.406 ug/L

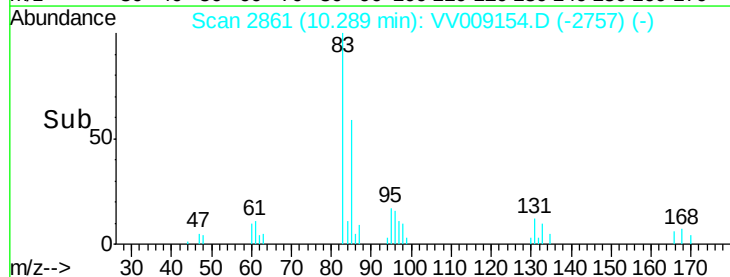
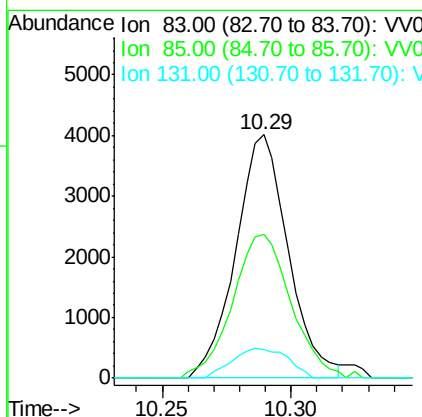
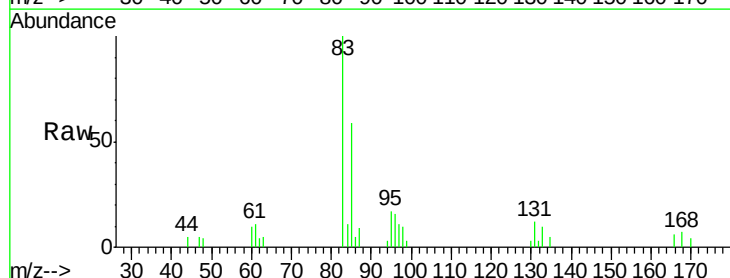
RT: 10.29 min Scan# 2861

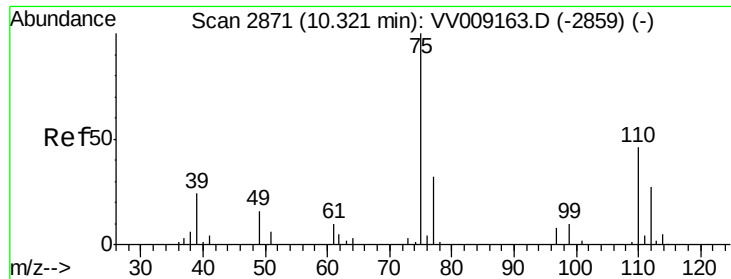
Delta R.T. 0.00 min

Lab File: VV009154.D

Acq: 04 Jan 2019 10:33

Tgt Ion:	83	Resp:	5714
Ion Ratio	Lower	Upper	
83	100		
85	59.2	45.4	84.2
131	11.5	9.4	14.0





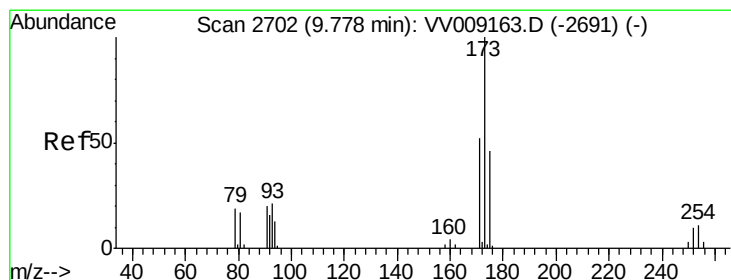
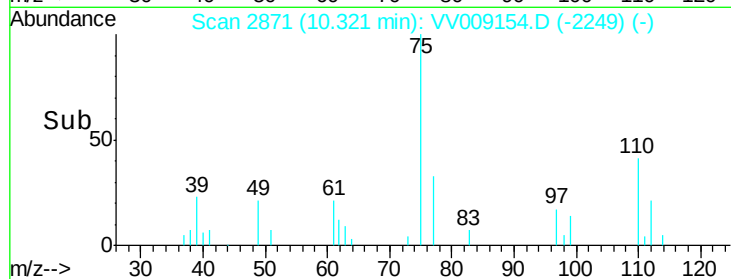
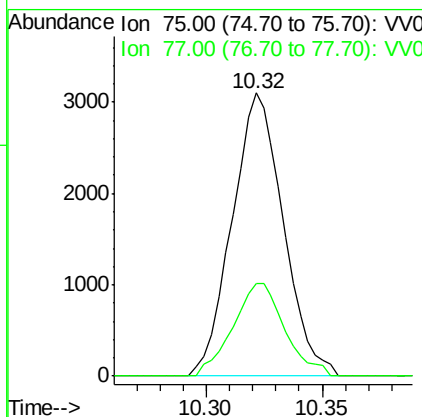
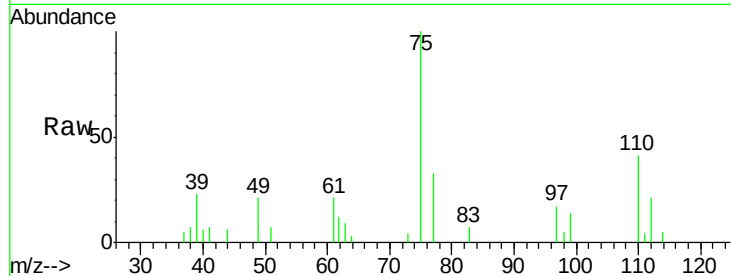
#59
 1,2,3-Trichloropropane
 Concen: 2.506 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009154.D
 Acq: 04 Jan 2019 10:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.562

Tot Ion: 75 Resp: 4756
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.0 37.6

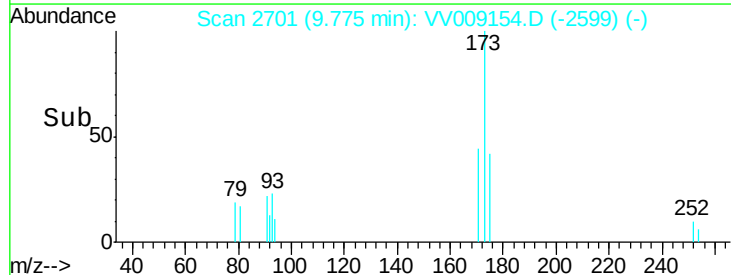
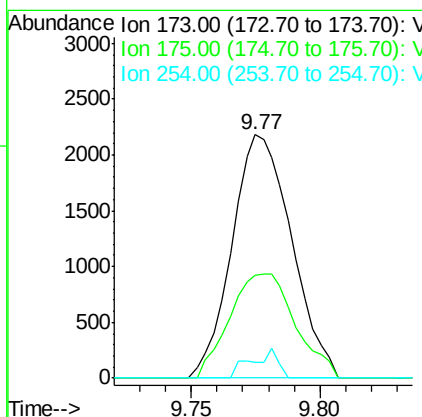
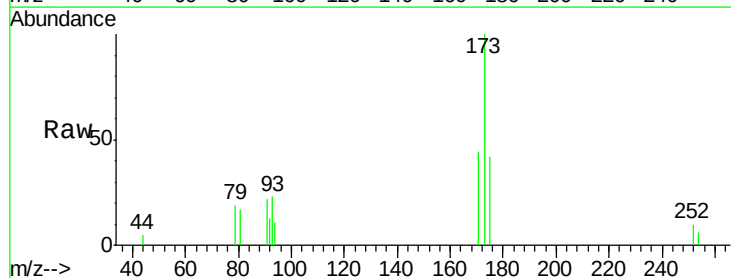
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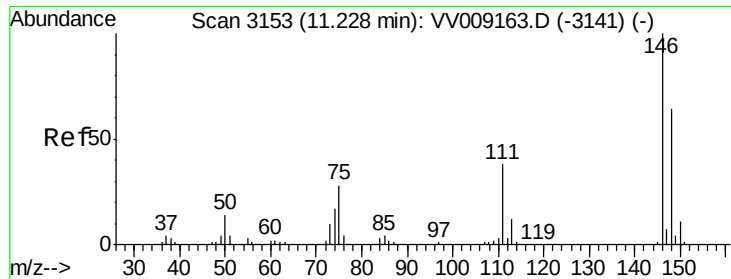
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#62
 Bromoform
 Concen: 2.734 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV009154.D
 Acq: 04 Jan 2019 10:33

Tgt Ion: 173 Resp: 3524
 Ion Ratio Lower Upper
 173 100
 175 47.0 38.4 57.6
 254 3.0 8.0 12.0#





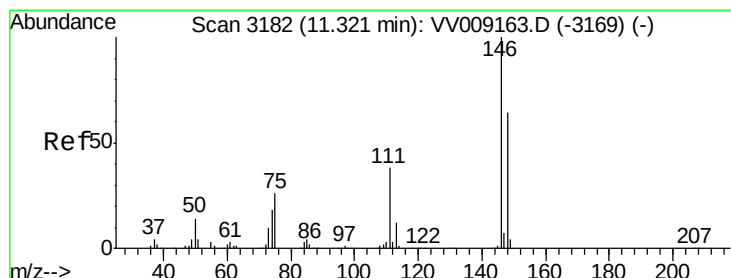
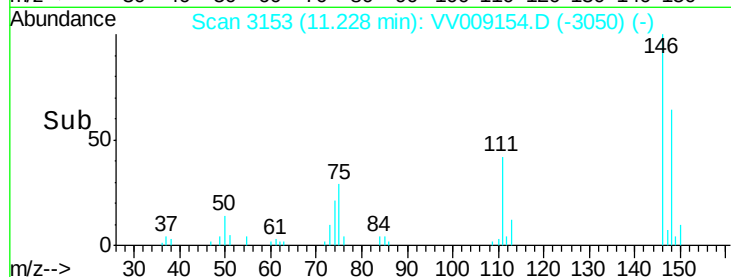
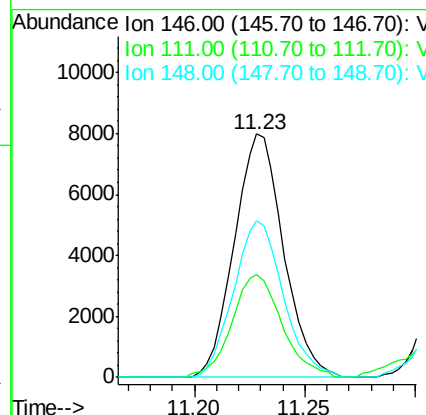
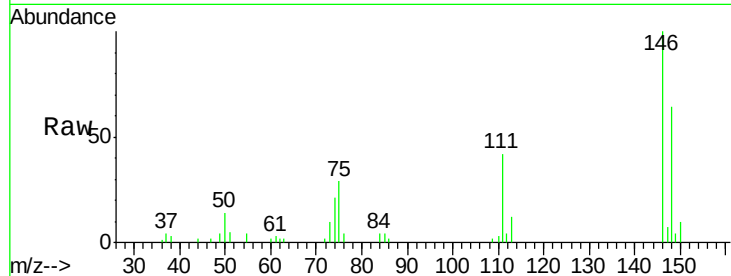
#63
 1,3-Dichlorobenzene
 Concen: 2.698 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009154.D
 Acq: 04 Jan 2019 10:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.562

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	28.0	52.0
148	64.4	45.6	84.8

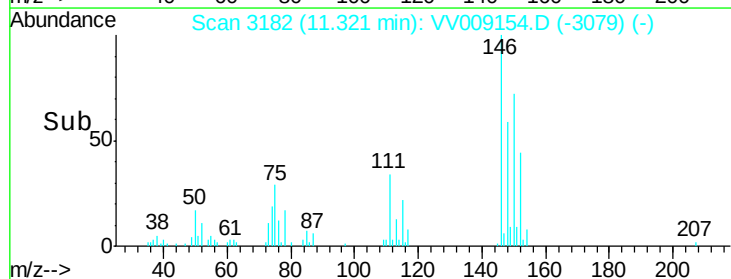
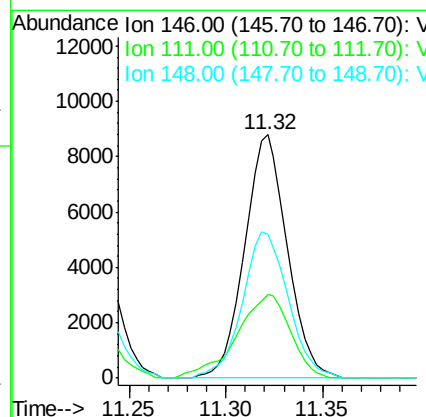
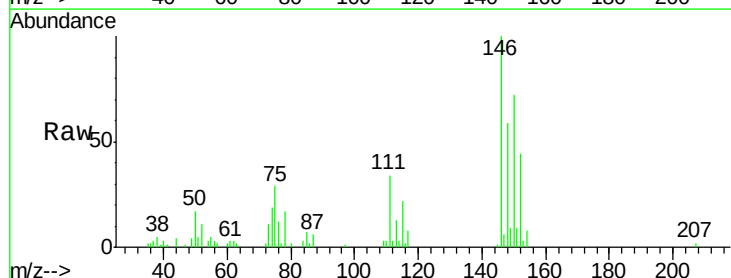
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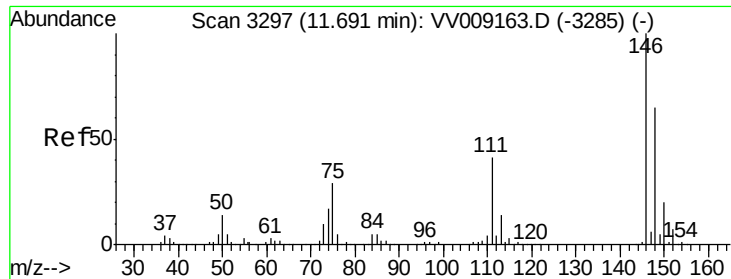
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#64
 1,4-Dichlorobenzene
 Concen: 2.810 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV009154.D
 Acq: 04 Jan 2019 10:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.2	26.0	48.4
148	58.9	43.4	80.6





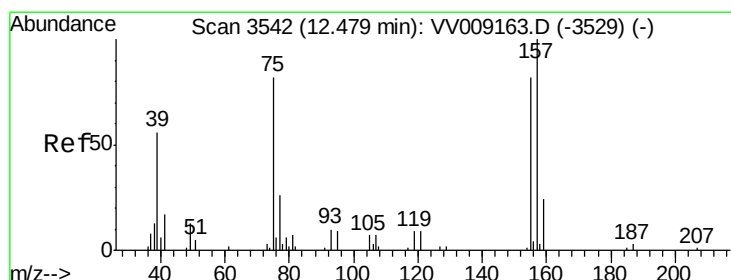
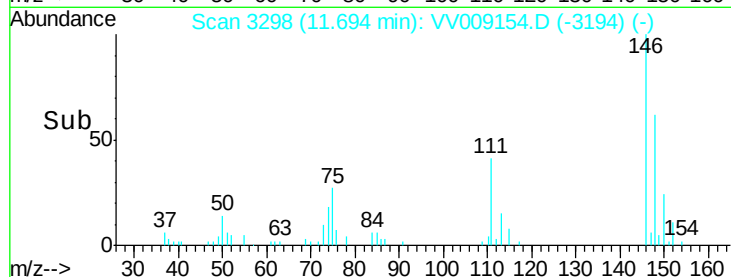
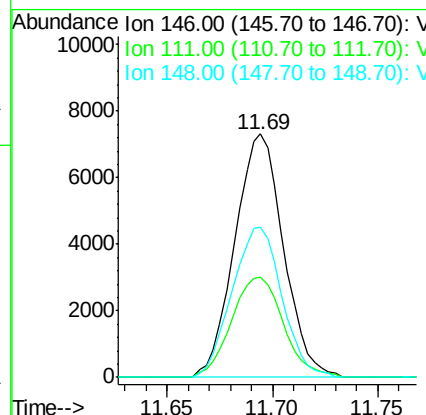
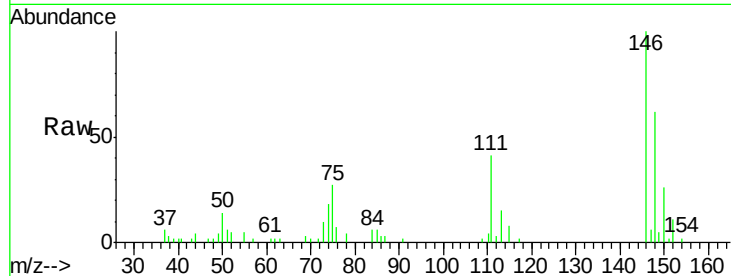
#65
 1,2-Dichlorobenzene
 Concen: 2.673 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV009154.D
 Acq: 04 Jan 2019 10:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.562

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	32.2	48.4
148	61.8	50.4	75.6

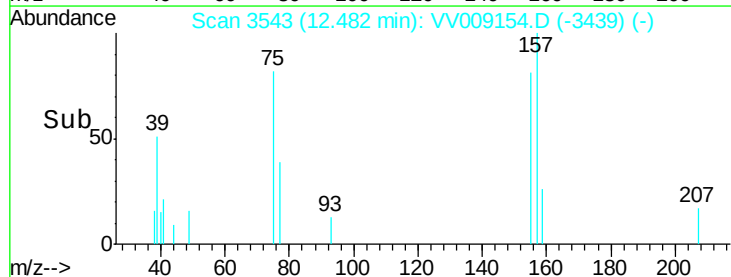
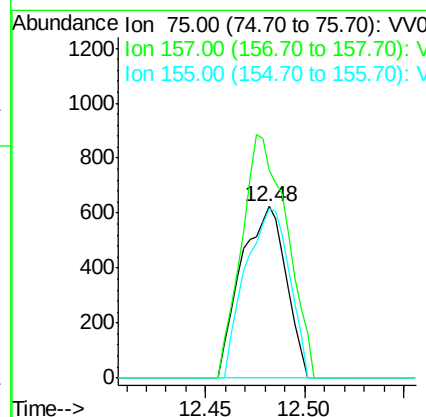
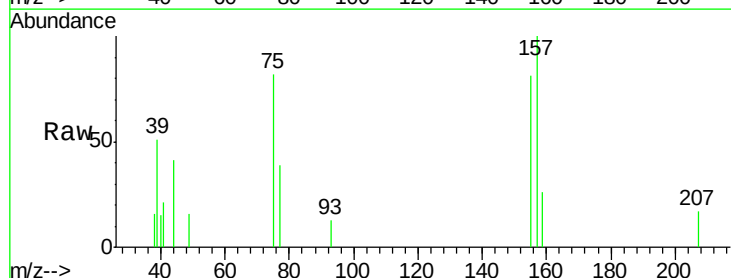
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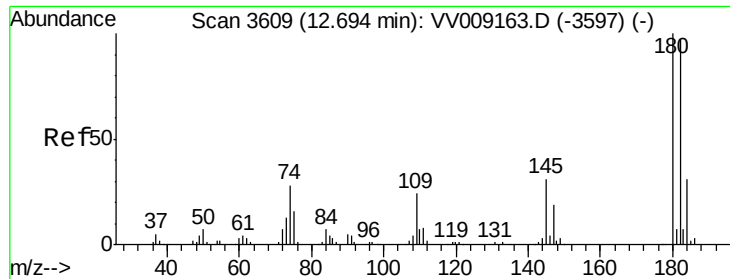
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.149 ug/L m
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV009154.D
 Acq: 04 Jan 2019 10:33

Tgt Ion	Ratio	Lower	Upper
75	100		
157	121.3	96.9	145.3
155	98.4	68.0	102.0





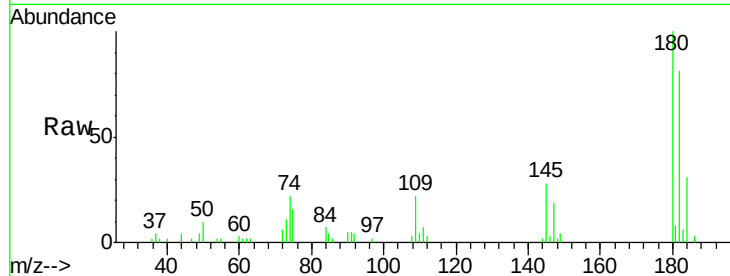
#67
 1,3,5-Trichlorobenzene
 Concen: 2.649 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV009154.D
 Acq: 04 Jan 2019 10:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.562

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.3	75.3	112.9
184	28.8	24.6	37.0
145	29.3	23.9	35.9

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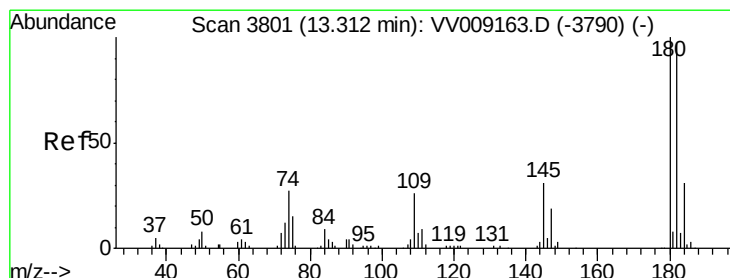
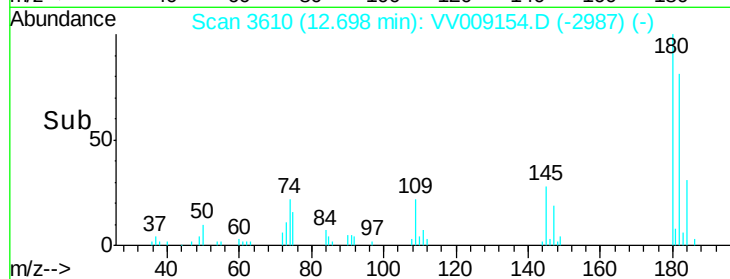
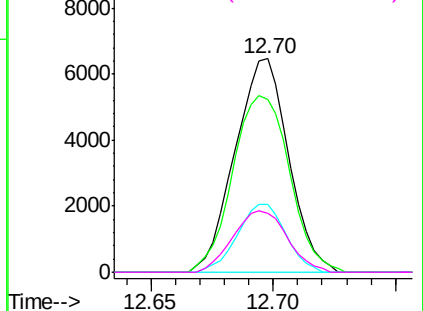


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



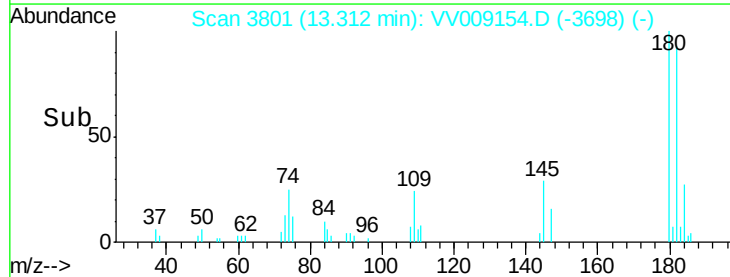
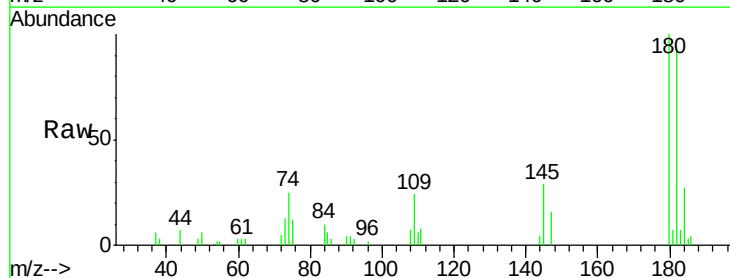
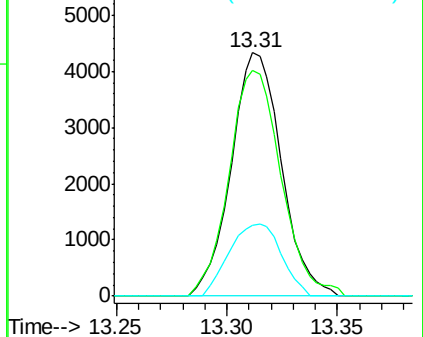
#68
 1,2,4-trichlorobenzene
 Concen: 2.278 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009154.D
 Acq: 04 Jan 2019 10:33

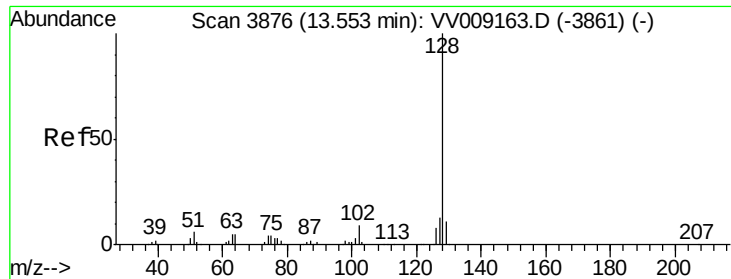
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.4
145	30.6	25.4	38.0

Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





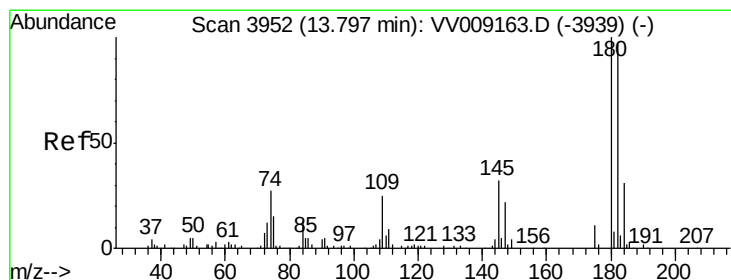
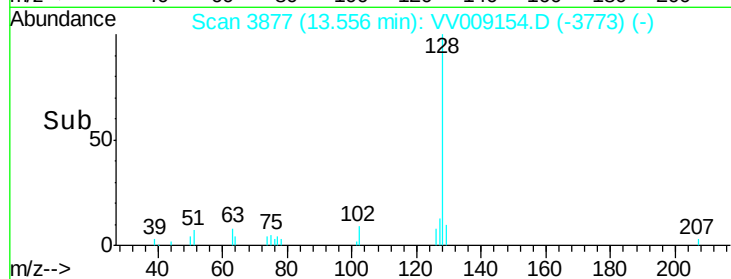
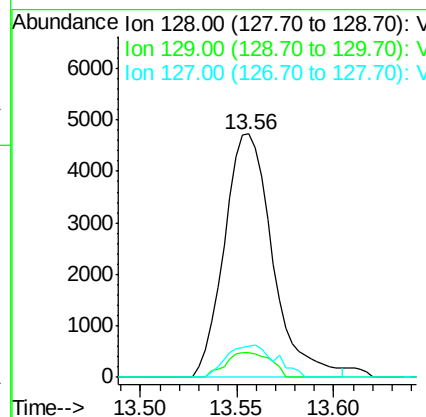
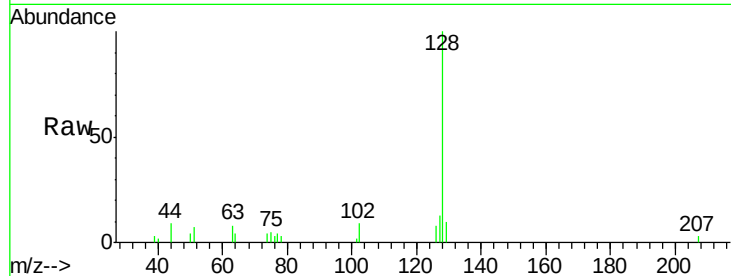
#69
Naphthalene
Concen: 1.334 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV009154.D
Acq: 04 Jan 2019 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.562

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.5	9.0	13.4
127	11.4	10.4	15.6

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#70
1,2,3-Trichlorobenzene
Concen: 2.050 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. -0.00 min
Lab File: VV009154.D
Acq: 04 Jan 2019 10:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.5	74.4	111.6
145	34.2	25.7	38.5

