

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010419\
 Data File : VV009160.D
 Acq On : 04 Jan 2019 13:29
 Operator : SY/MD
 Sample : VSTD2.567
 Misc : 5.00 G/10ML/MSVOA V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 12:00:07 AM

Quant Time: Jan 05 04:42:36 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	5.67	114	162302	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	146017	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73376	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3534	3.18	ug/L	0.00
7) Chloroethane-d5	1.58	69	2985	2.77	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	11574	3.12	ug/L	0.00
20) 2-Butanone-d5	3.98	46	5150m	6.69	ug/L	0.02
24) Chloroform-d	4.41	84	10090	2.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	5302	2.90	ug/L	0.00
29) Benzene-d6	5.10	84	19127	2.94	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	5264	2.82	ug/L	0.00
37) Toluene-d8	7.36	98	18178	2.96	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	2533	2.86	ug/L	0.00
39) 2-Hexanone-d5	8.15	63	2526	5.74	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	6052	2.95	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	8072	3.25	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8022m	3.075	ug/L
3) Chloromethane	1.25	50	5424	3.070	ug/L 94
5) Vinyl chloride	1.32	62	5691	3.008	ug/L 96
6) Bromomethane	1.54	94	3973	2.981	ug/L 95
8) Chloroethane	1.60	64	3051	2.617	ug/L 97
9) Trichlorofluoromethane	1.76	101	9662	2.786	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	6517	2.821	ug/L 95
12) 1,1-Dichloroethene	2.14	96	5546	2.768	ug/L # 79
13) Acetone	2.22	43	9016	8.146	ug/L 100
14) Carbon disulfide	2.32	76	16281	2.844	ug/L 98
15) Methyl Acetate	2.48	43	4131	3.016	ug/L 93
16) Methylene chloride	2.53	84	8224	3.392	ug/L 94
17) Methyl tert-butyl Ether	2.81	73	12822	2.613	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	5692	2.681	ug/L 96
19) 1,1-Dichloroethane	3.23	63	9612	2.726	ug/L 97
21) 2-Butanone	4.06	43	6017m	5.911	ug/L
22) cis-1,2-Dichloroethene	3.96	96	5842	2.574	ug/L 93
23) Bromochloromethane	4.31	128	2808	2.630	ug/L 93
25) Chloroform	4.43	83	9923	2.643	ug/L 97
27) 1,2-Dichloroethane	5.18	62	6629	2.629	ug/L 99
30) Cyclohexane	4.73	56	9140	2.824	ug/L # 95
31) 1,1,1-Trichloroethane	4.66	97	9570	2.696	ug/L # 86
32) Carbon tetrachloride	4.87	117	8492	2.613	ug/L 100
34) Benzene	5.15	78	21488	2.737	ug/L 100
35) Trichloroethene	5.96	95	6310	2.790	ug/L 97
36) Methylcyclohexane	6.17	83	10300	2.726	ug/L 99
40) 1,2-Dichloropropane	6.23	63	5018	2.652	ug/L # 91
41) Bromodichloromethane	6.56	83	6449	2.487	ug/L # 95
42) cis-1,3-Dichloropropene	7.08	75	7531	2.512	ug/L 99
43) 4-Methyl-2-pentanone	7.29	43	11381	6.311	ug/L 95

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Manual Integrations
 APPROVED

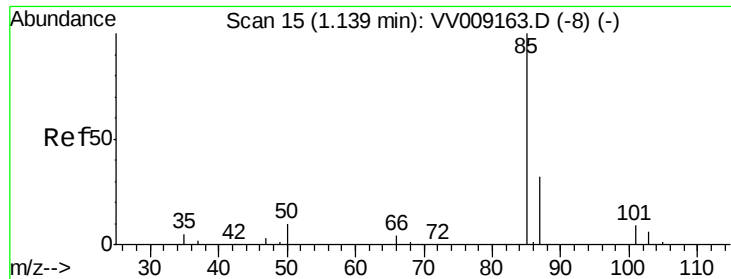
MMDadoda
 1/8/2019 12:00:07 AM

Quant Time: Jan 05 04:42:36 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)

44) Toluene	7.43	91	22667	2.678	ug/L	97
45) trans-1,3-Dichloropropene	7.70	75	6641	2.530	ug/L	93
46) 1,1,2-Trichloroethane	7.88	97	4193	2.507	ug/L	91
47) Tetrachloroethene	8.02	164	5416	2.764	ug/L	96
49) 2-Hexanone	8.20	43	8275	6.235	ug/L	96
50) Dibromochloromethane	8.29	129	5079	2.472	ug/L	97
51) 1,2-Dibromoethane	8.40	107	4680	2.677	ug/L	93
52) Chlorobenzene	8.93	112	16215	2.792	ug/L	98
53) Ethylbenzene	9.06	91	25352	2.649	ug/L	98
54) m,p-Xylene	9.18	106	10042	2.693	ug/L	95
55) o-xylene	9.59	106	8976	2.603	ug/L	96
56) Styrene	9.61	104	14632	2.516	ug/L	95
57) Isopropylbenzene	9.98	105	24405	2.551	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	6028	2.691	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	4928	2.752	ug/L	94
62) Bromoform	9.78	173	3201	2.470	ug/L #	97
63) 1,3-Dichlorobenzene	11.23	146	12905	2.791	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	14281	2.963	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	12394	2.814	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	1277	2.793	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	10912	2.927	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	8464	2.789	ug/L	97
69) Naphthalene	13.56	128	16976	2.746	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	7953	2.855	ug/L	98

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



#2

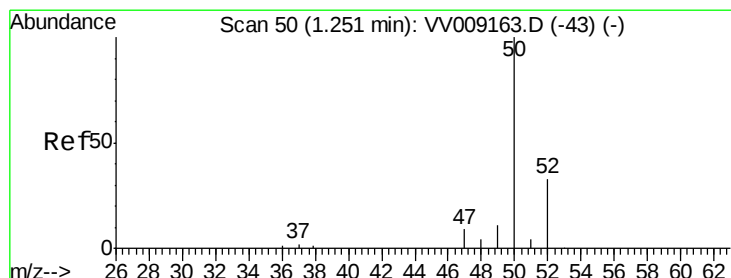
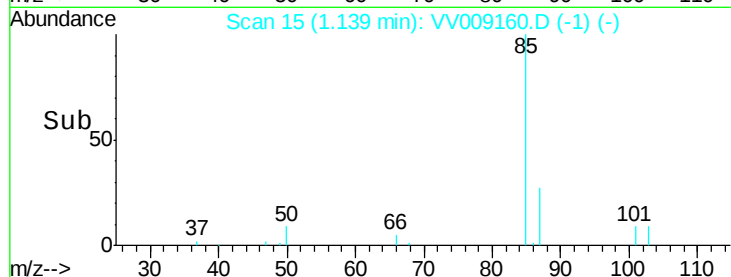
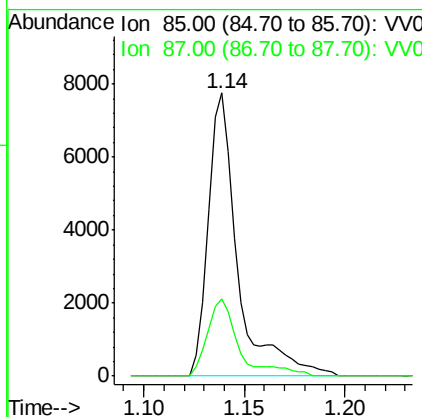
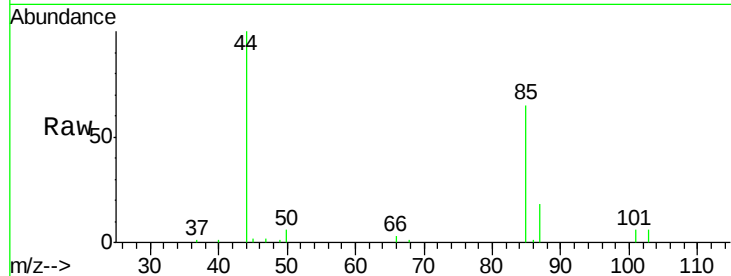
Dichlorodifluoromethane
Concen: 3.075 ug/L m
RT: 1.14 min Scan# 15
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

Tot Ion	85	Resp	8022
Ion Ratio	100	Lower	Upper
85	100		
87	25.0	22.5	41.7

Manual Integrations
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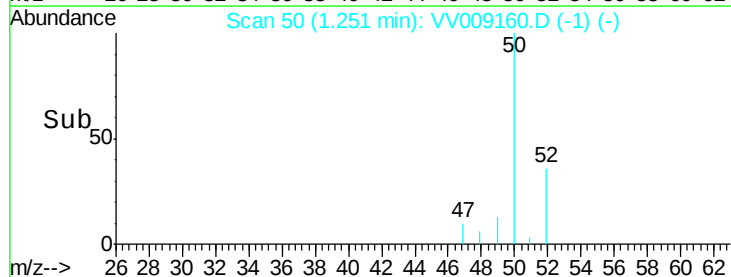
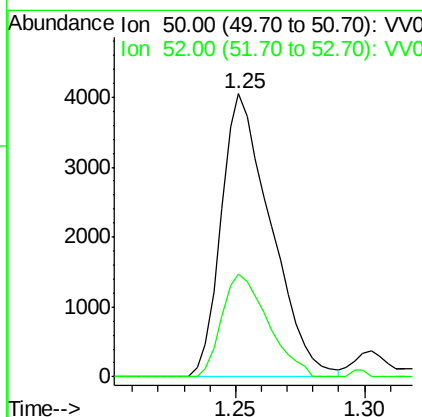
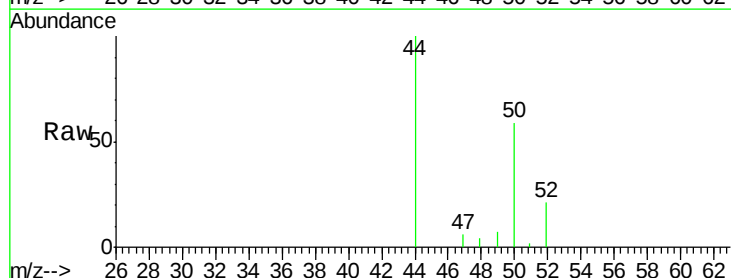
MMDadoda
1/8/2019 12:00:07 AM

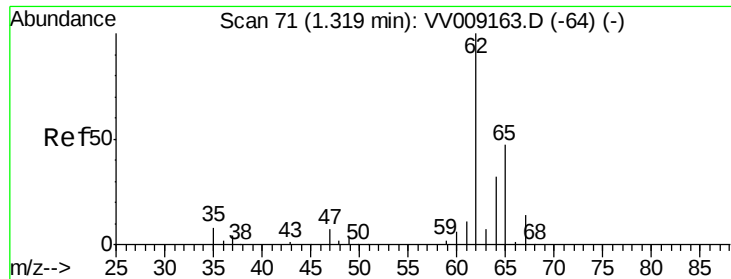


#3

Chloromethane
Concen: 3.070 ug/L
RT: 1.25 min Scan# 50
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion	50	Resp	5424
Ion Ratio	100	Lower	Upper
50	100		
52	36.3	23.0	42.8





#5

Vinyl chloride

Concen: 3.008 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

Tot Ion: 62 Resp: 5691

Ion Ratio Lower Upper

62 100

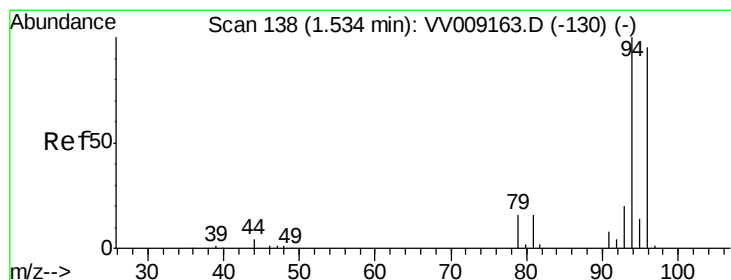
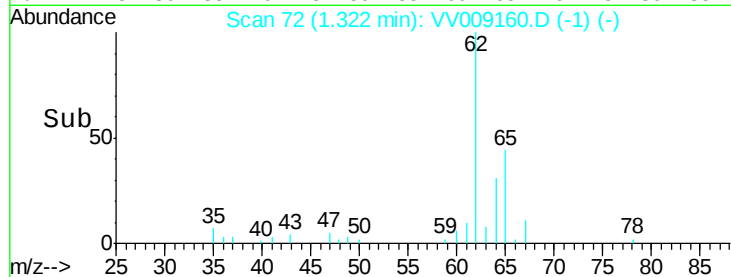
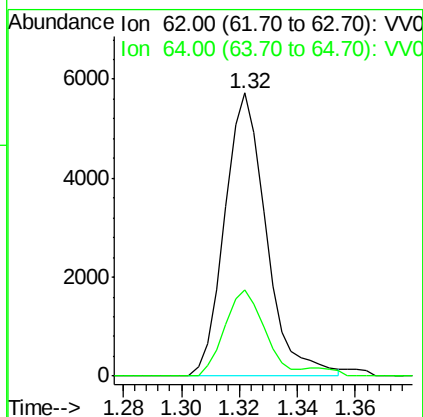
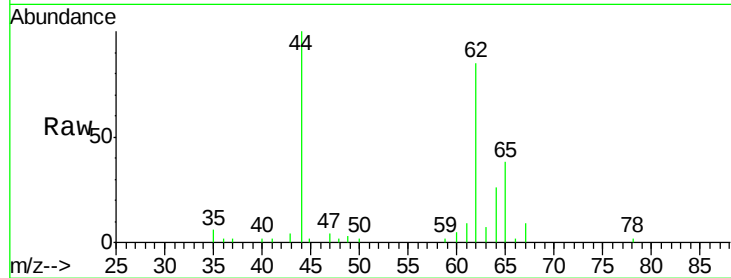
64 30.6 23.0 42.6

Manual Integrations

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#6

Bromomethane

Concen: 2.981 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV009160.D

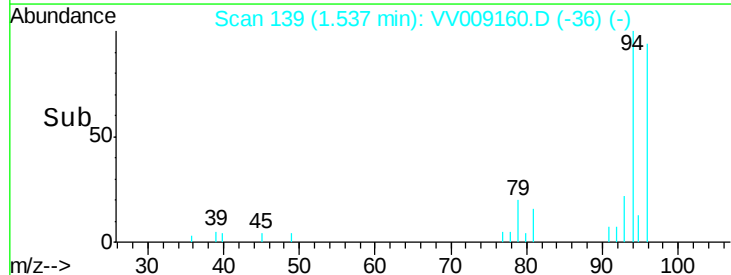
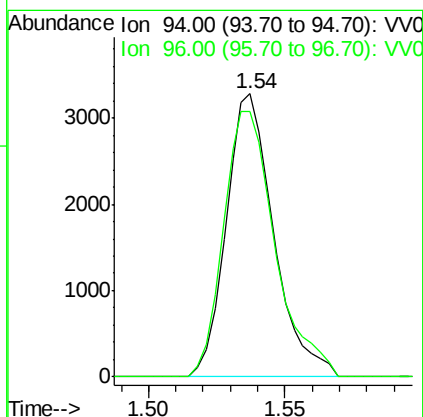
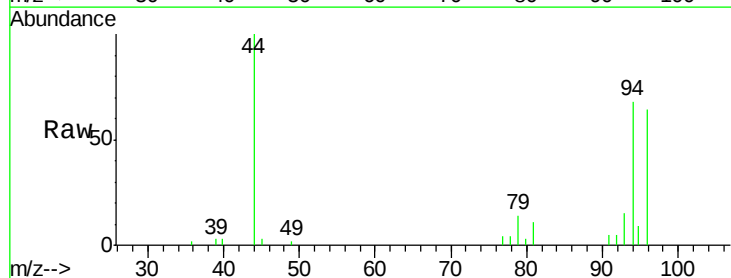
Acq: 04 Jan 2019 13:29

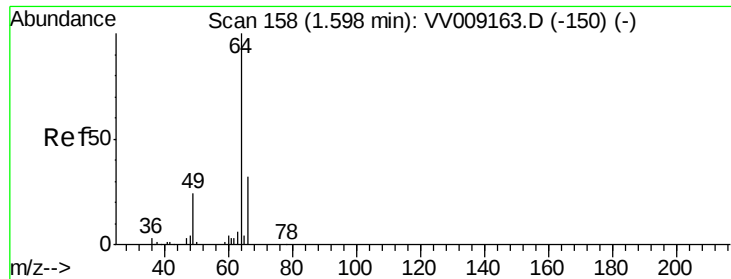
Tgt Ion: 94 Resp: 3973

Ion Ratio Lower Upper

94 100

96 101.9 9.7 185.1





#8

Chloroethane

Concen: 2.617 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

Tot Ion: 64 Resp: 3051

Ion Ratio Lower Upper

64 100

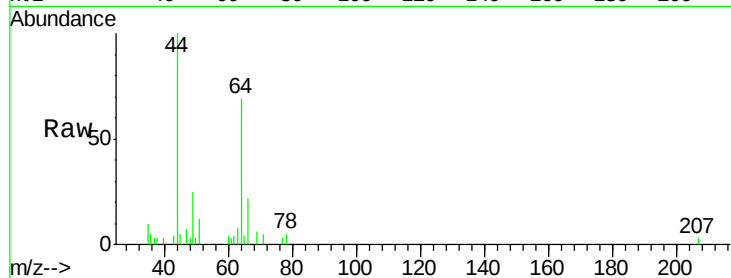
66 31.5 23.2 43.0

Manual Integrations

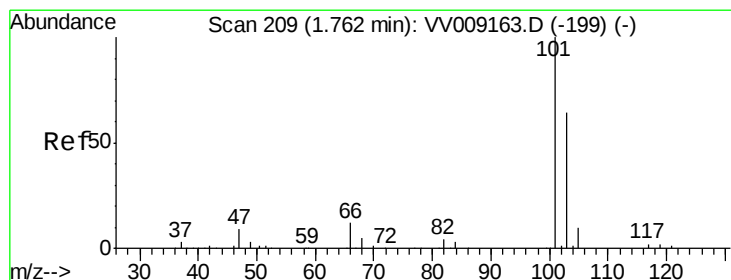
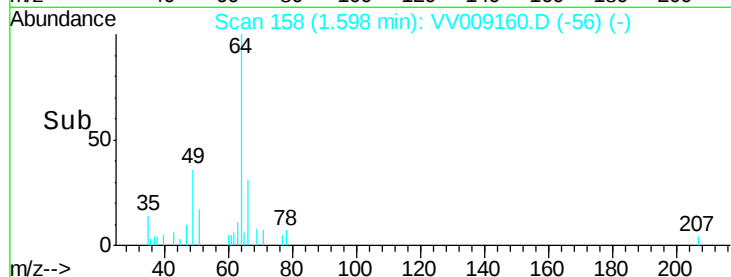
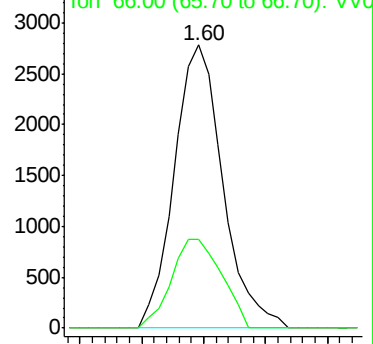
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1/8/2019 12:00:07 AM



Abundance Ion 64.00 (63.70 to 64.70): VV009160.D (-56) (-)



#9

Trichlorofluoromethane

Concen: 2.786 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.01 min

Lab File: VV009160.D

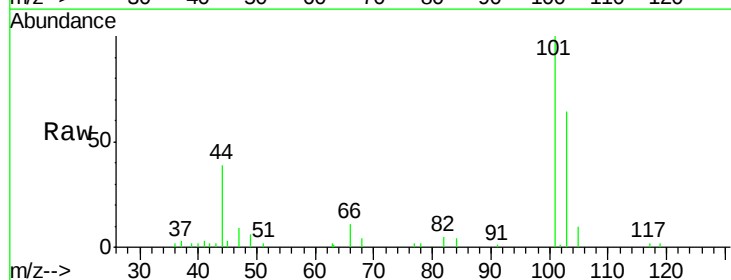
Acq: 04 Jan 2019 13:29

Tgt Ion: 101 Resp: 9662

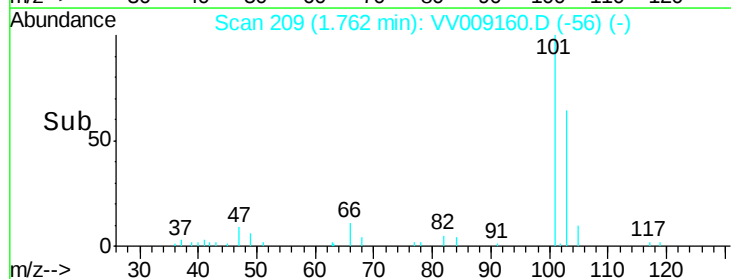
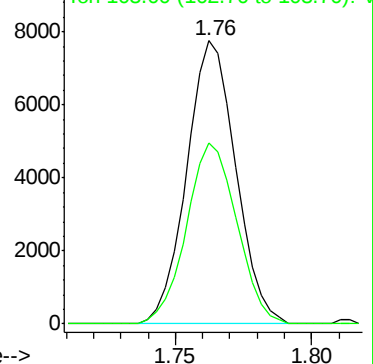
Ion Ratio Lower Upper

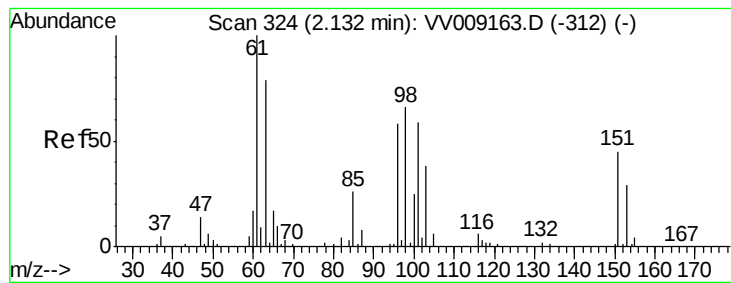
101 100

103 65.4 46.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): VV009160.D (-56) (-)





#11

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

Concen: 2.821 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

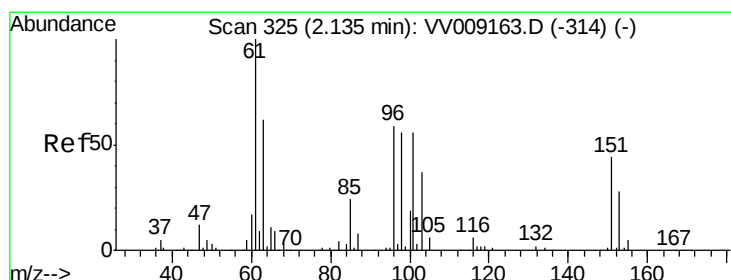
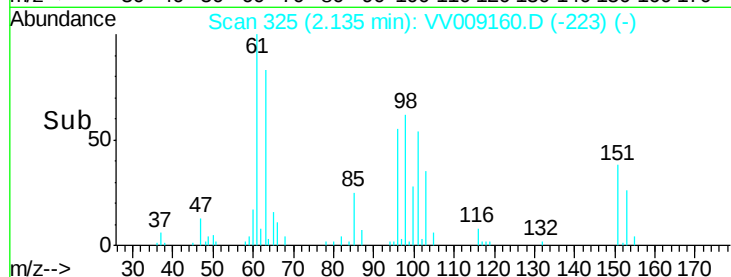
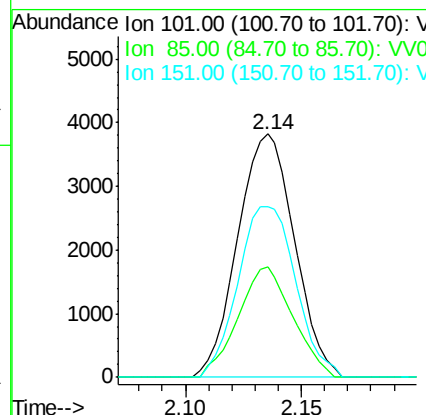
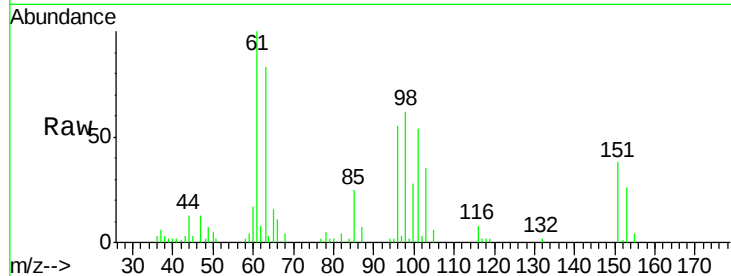
ClientSampleId :

VSTD2.567

Tot Ion:	101	Resp:	6517
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.6	52.0
151	71.3	62.6	94.0

Manual Integrations
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1/8/2019 12:00:07 AM



#12

1,1-Dichloroethene

Concen: 2.768 ug/L

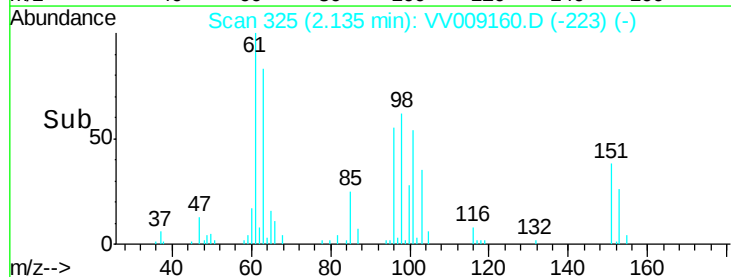
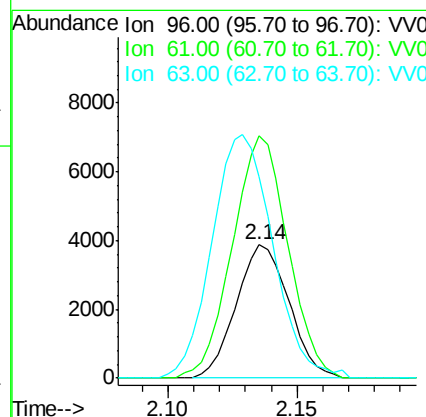
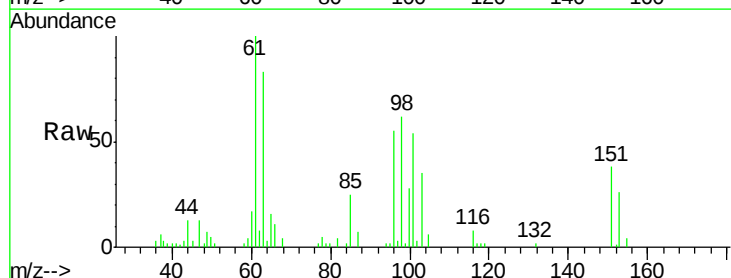
RT: 2.14 min Scan# 325

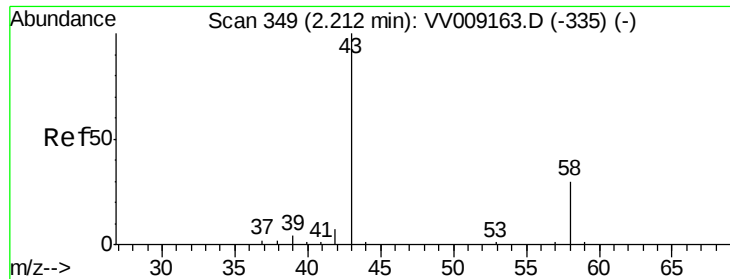
Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Tgt Ion:	96	Resp:	5546
Ion Ratio	Lower	Upper	
96	100		
61	182.3	117.0	217.4
63	150.8	78.2	145.2#





#13

Acetone

Concen: 8.146 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

Tot Ion: 43 Resp: 9016

Ion Ratio Lower Upper

43 100

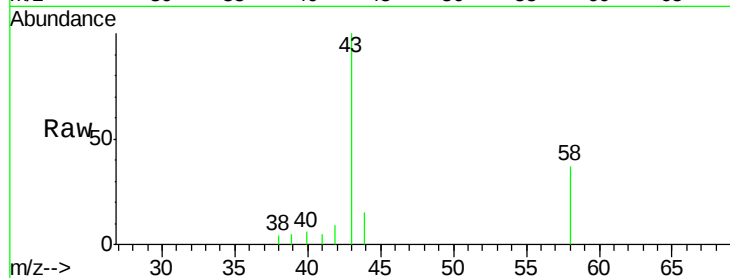
58 33.2 0.0 67.0

Manual Integrations

APPROVED

MMDadoda

1/8/2019 12:00:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VV009160.D (-248) (-)

Ion 58.00 (57.70 to 58.70): VV009160.D (-248) (-)

2.22

4000

3000

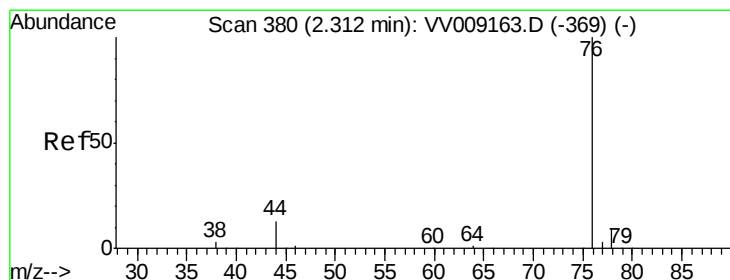
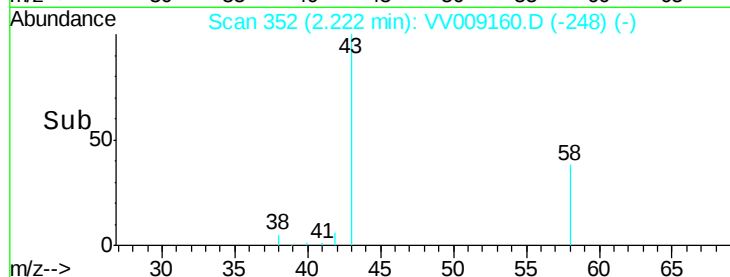
2000

1000

0

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 2.844 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009160.D

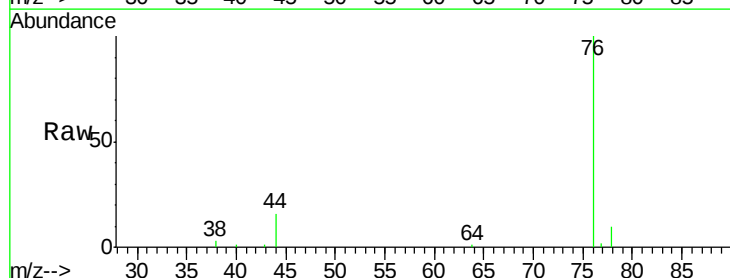
Acq: 04 Jan 2019 13:29

Tgt Ion: 76 Resp: 16281

Ion Ratio Lower Upper

76 100

78 9.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV009160.D (-227) (-)

Ion 78.00 (77.70 to 78.70): VV009160.D (-227) (-)

2.32

12000

10000

8000

6000

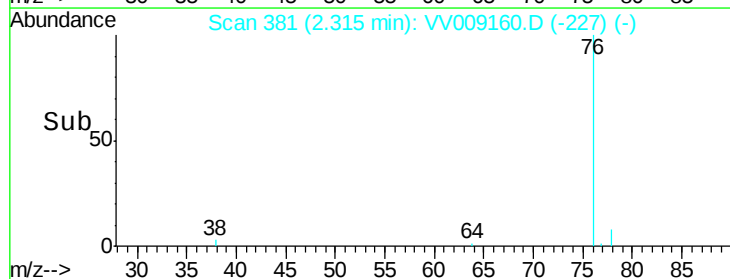
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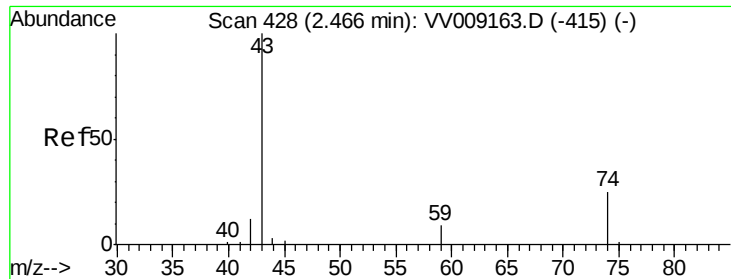
2000

0

2.25 2.30 2.35

Time-->





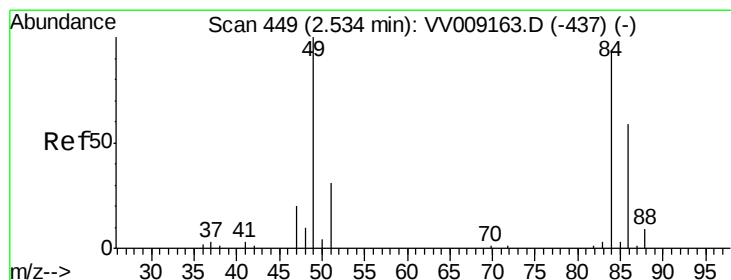
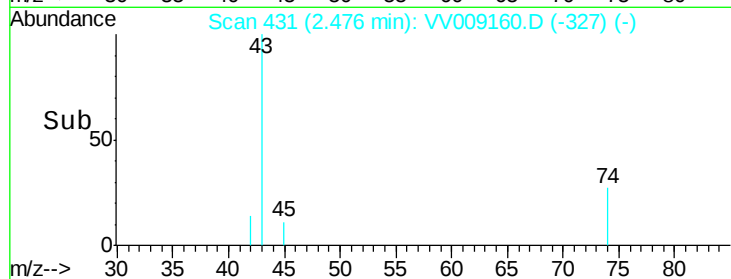
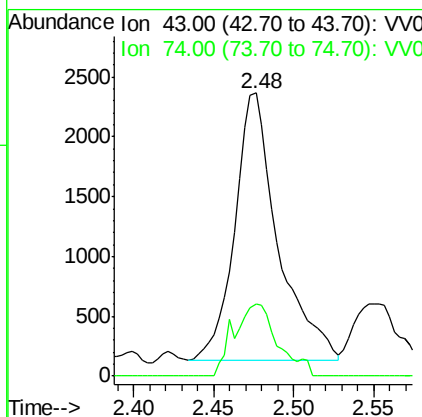
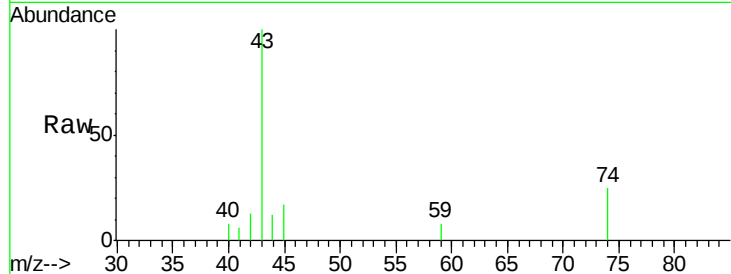
#15
Methyl Acetate
Concen: 3.016 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Instrument :
MSVOA_V
ClientSampled :
VSTD2.567

Tot Ion: 43 Resp: 4131
Ion Ratio Lower Upper
43 100
74 20.8 19.4 29.0

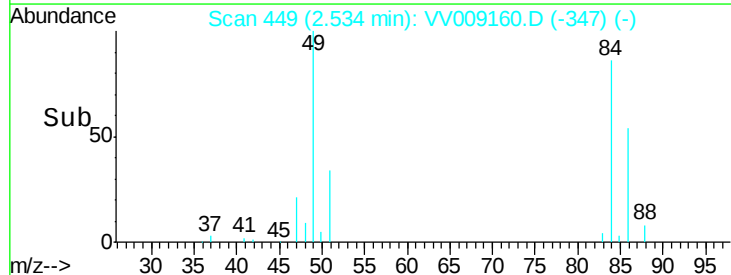
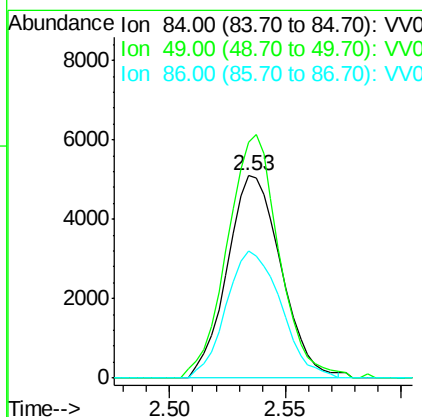
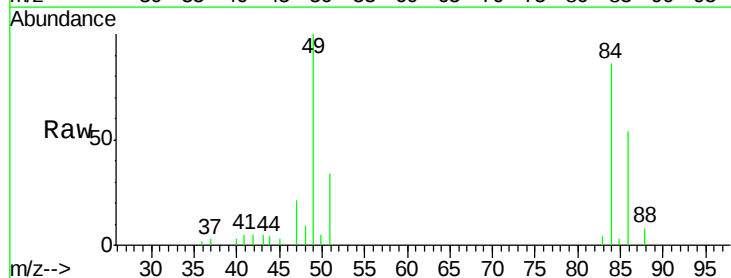
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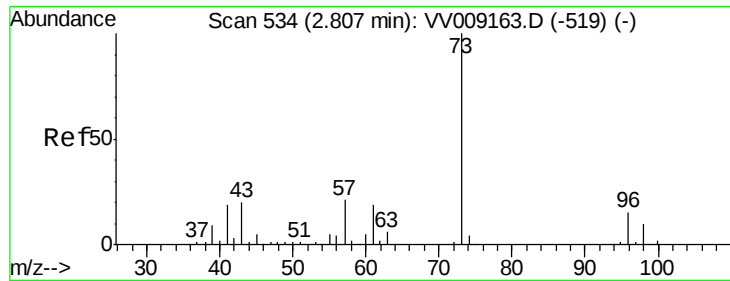
MMDadoda
1/8/2019 12:00:07 AM



#16
Methylene chloride
Concen: 3.392 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion: 84 Resp: 8224
Ion Ratio Lower Upper
84 100
49 116.5 77.6 144.2
86 62.7 47.4 88.0





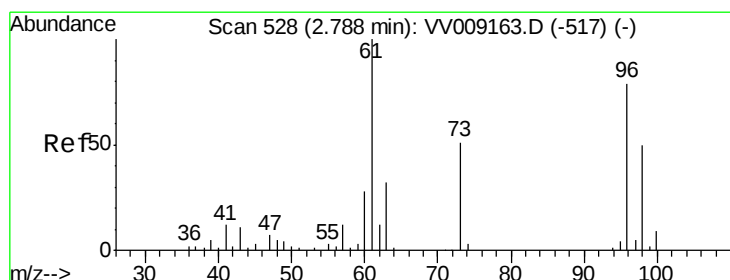
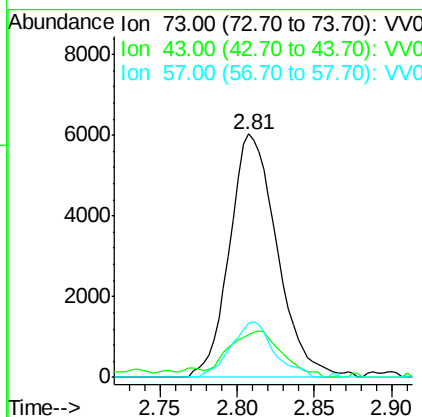
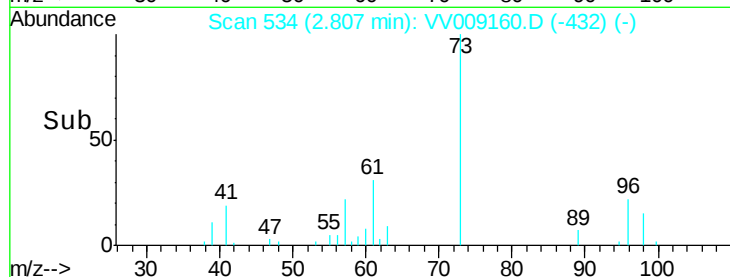
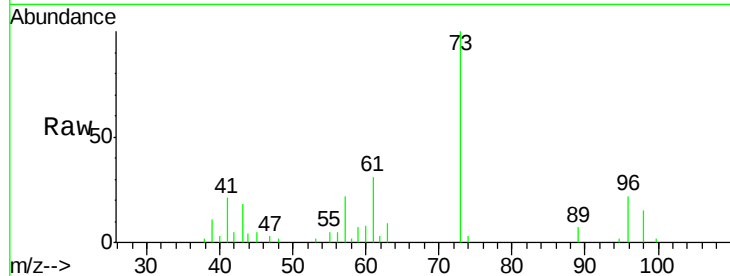
#17
Methvl tert-butvl Ether
Concen: 2.613 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

Tot Ion	73	Resp	12822
Ion	Ratio	Lower	Upper
73	100		
43	21.0	15.4	23.2
57	20.7	16.2	24.2

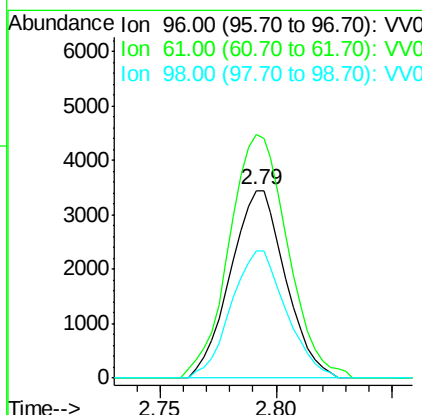
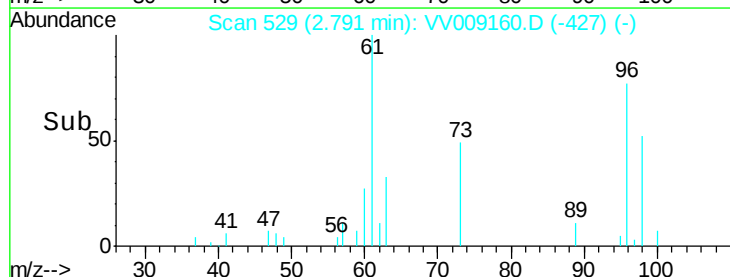
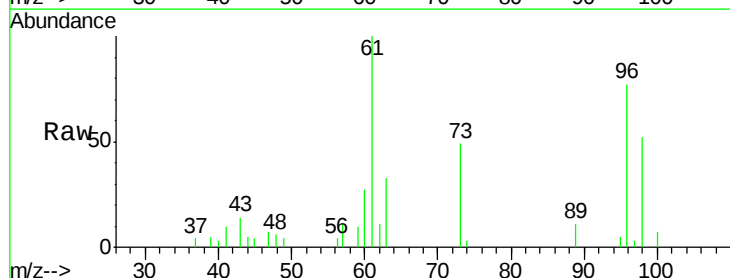
Manual Integrations
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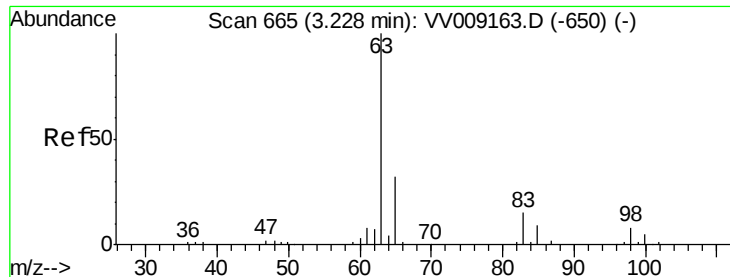
MMDadoda
1/8/2019 12:00:07 AM



#18
trans-1,2-Dichloroethene
Concen: 2.681 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion	96	Resp	5692
Ion	Ratio	Lower	Upper
96	100		
61	130.0	88.8	164.8
98	68.2	43.5	80.9





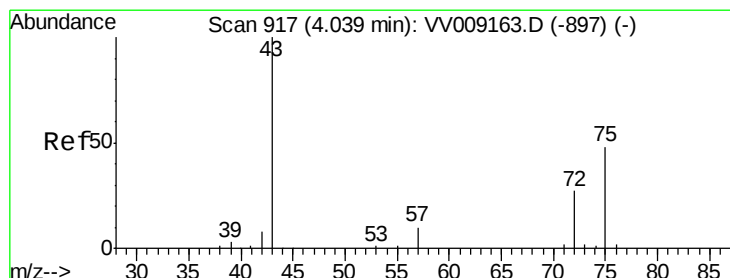
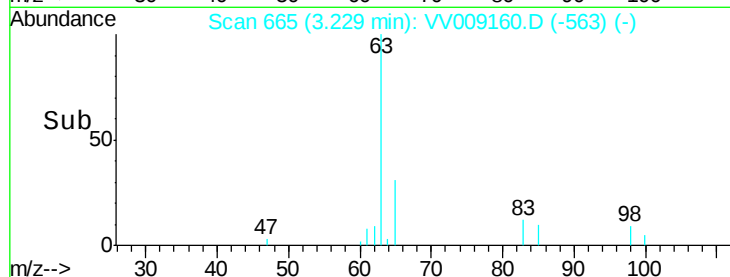
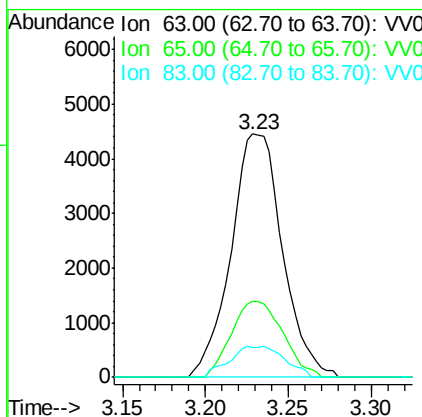
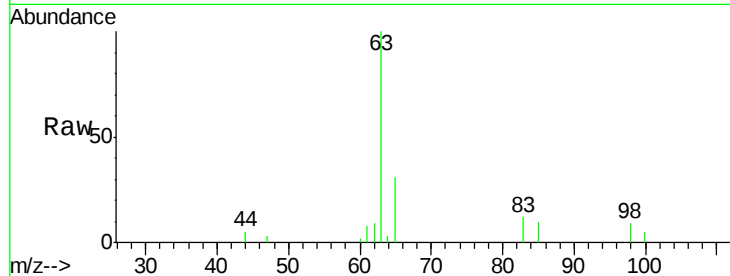
#19
 1,1-Dichloroethane
 Concen: 2.726 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

Tot Ion:	63	Resp:	9612
Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.6	42.0
83	12.1	9.9	18.3

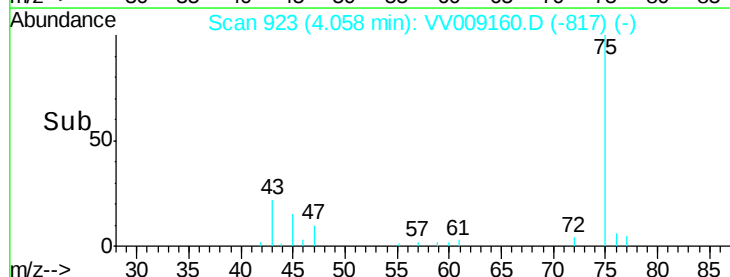
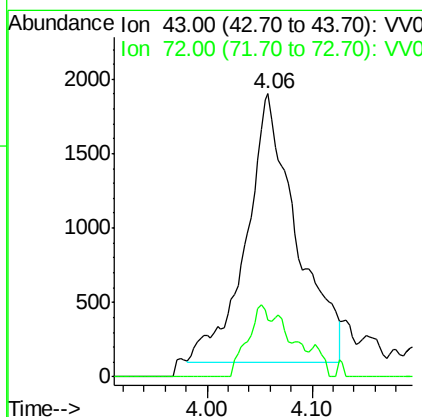
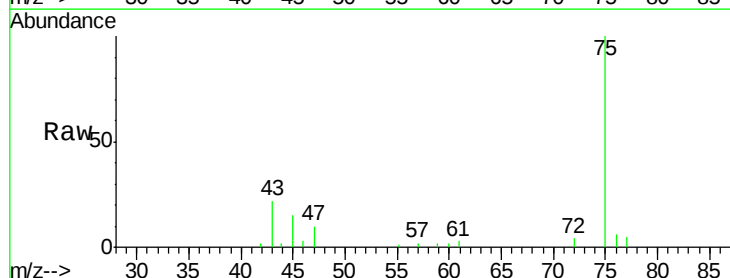
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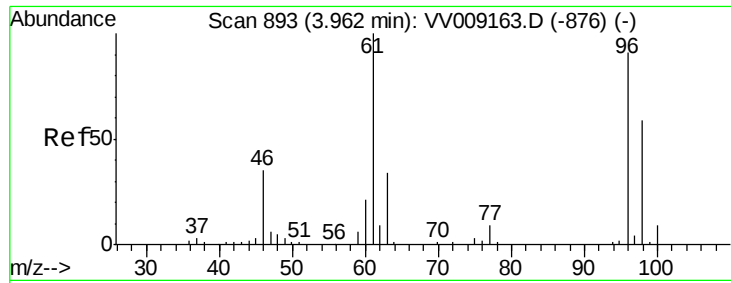
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#21
 2-Butanone
 Concen: 5.911 ug/L m
 RT: 4.06 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Tgt Ion:	43	Resp:	6017
Ion	Ratio	Lower	Upper
43	100		
72	11.9	0.1	0.1#





#22

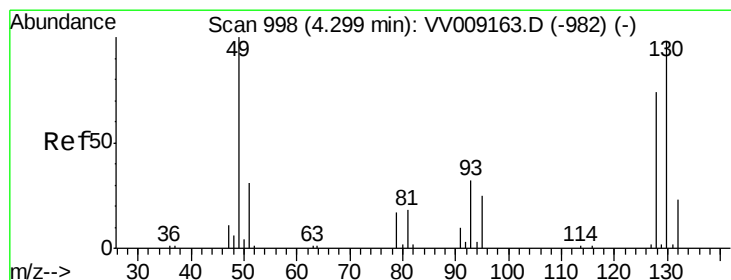
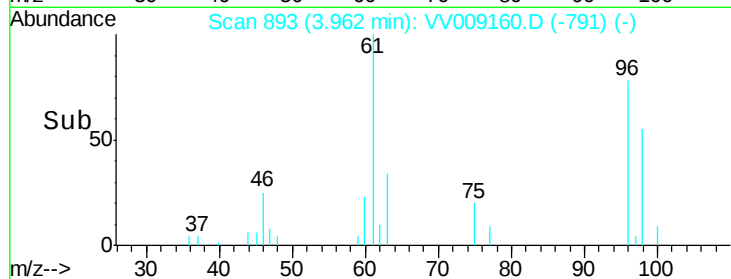
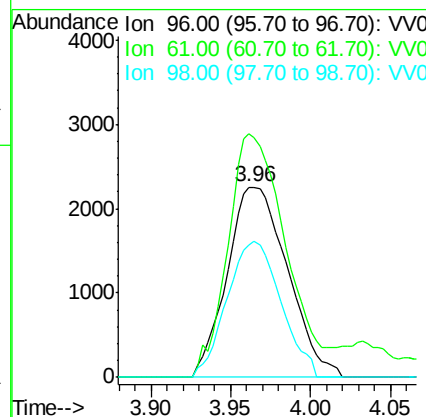
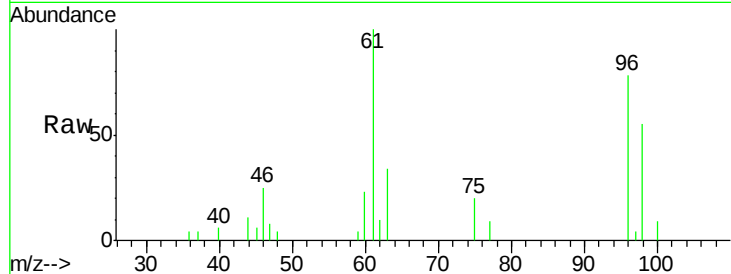
cis-1,2-Dichloroethene
Concen: 2.574 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.1	83.2	154.6
98	69.8	45.8	85.2

Manual Integrations
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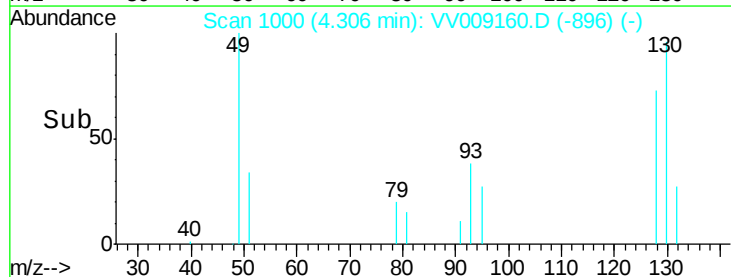
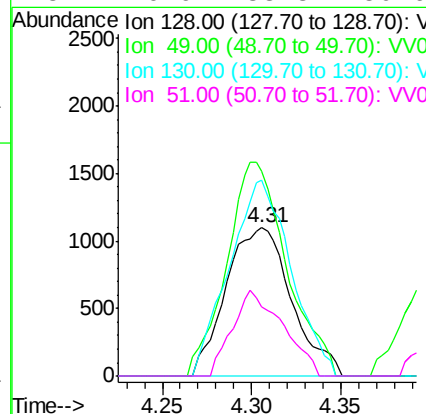
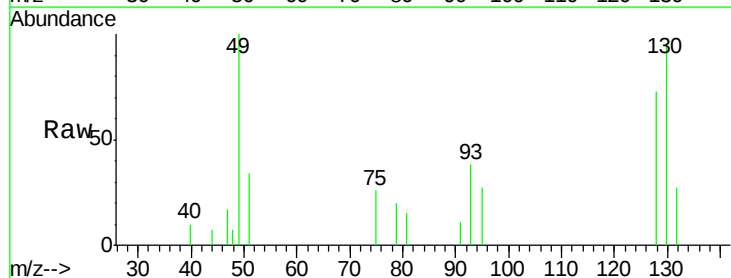
MMDadoda
1/8/2019 12:00:07 AM

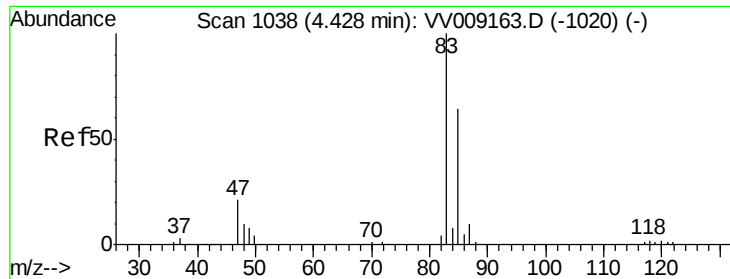


#23

Bromochloromethane
Concen: 2.630 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
128	100		
49	137.8	89.9	167.0
130	132.1	87.8	163.2
51	46.9	33.8	50.6





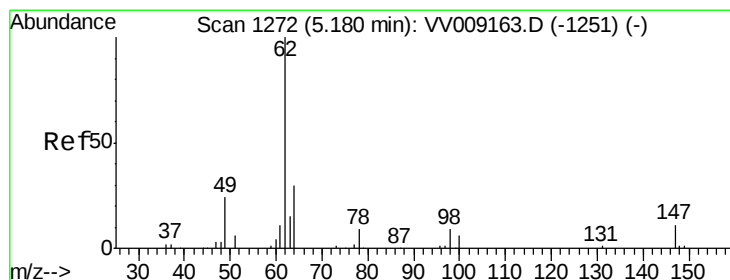
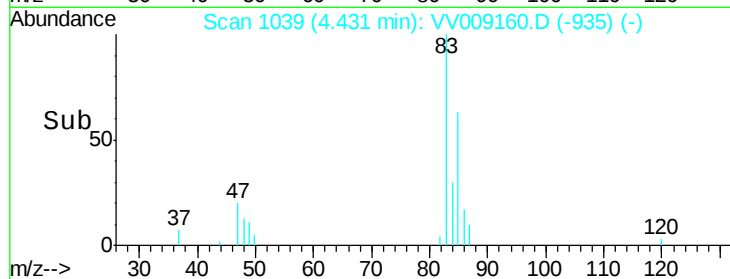
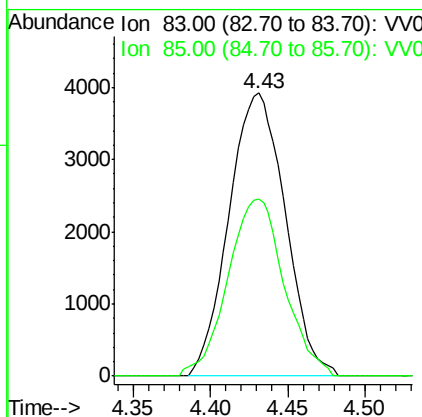
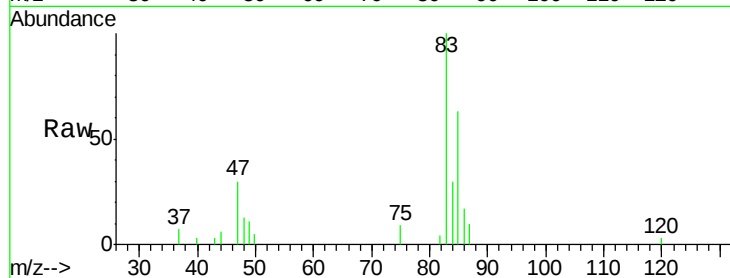
#25
Chloroform
Concen: 2.643 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

Tot Ion: 83 Resp: 9923
Ion Ratio Lower Upper
83 100
85 62.7 45.3 84.1

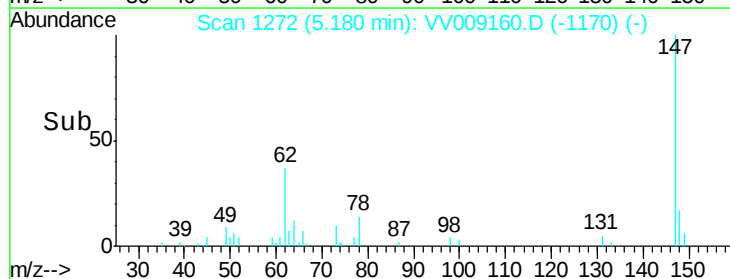
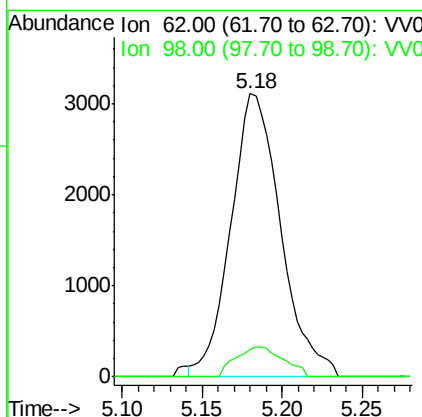
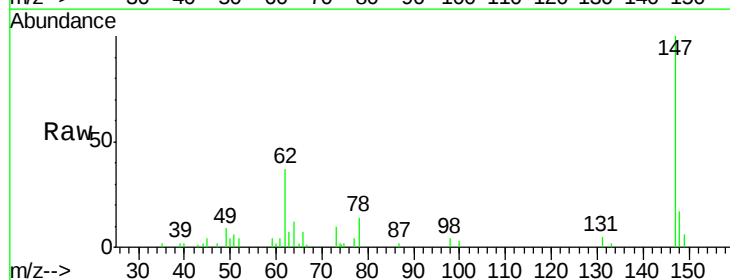
Manual Integrations
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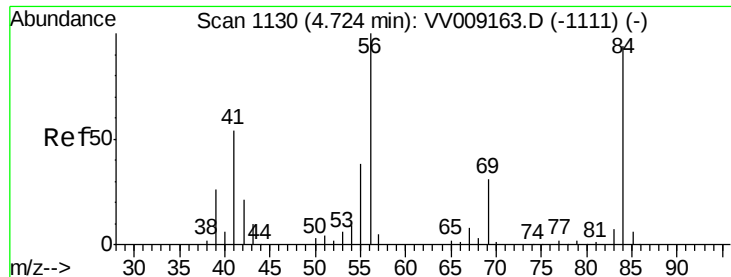
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.629 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion: 62 Resp: 6629
Ion Ratio Lower Upper
62 100
98 9.8 8.1 12.1





#30

Cyclohexane

Concen: 2.824 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

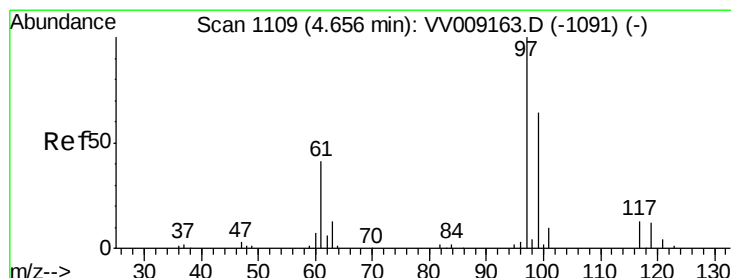
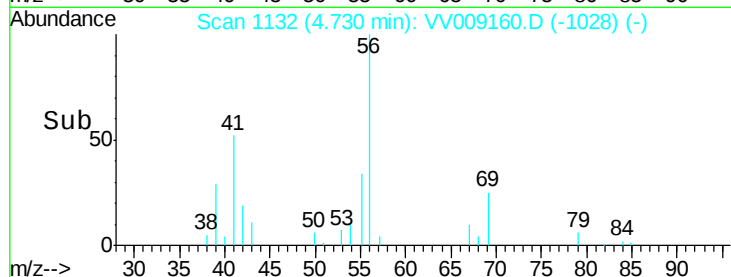
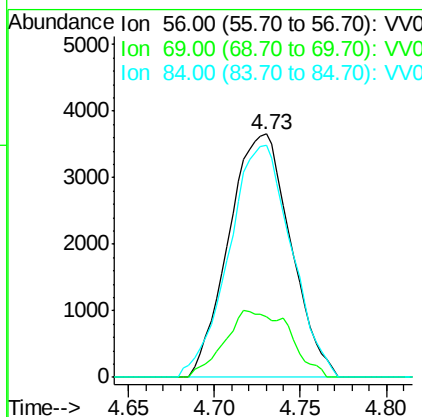
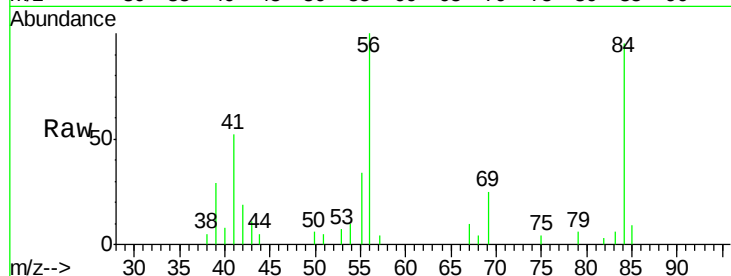
ClientSampleId :

VSTD2.567

Tot Ion:	56	Resp:	9140
Ion	Ratio	Lower	Upper
56	100		
69	21.7	26.0	39.0#
84	95.9	77.0	115.4

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#31

1,1,1-Trichloroethane

Concen: 2.696 ug/L

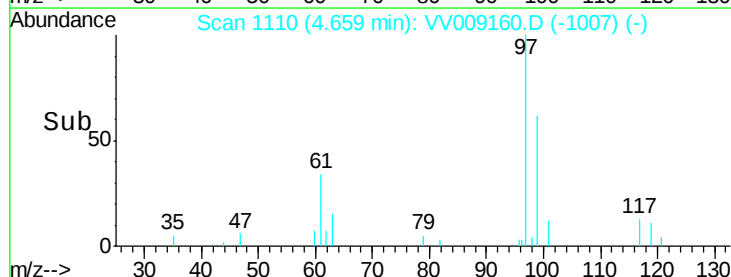
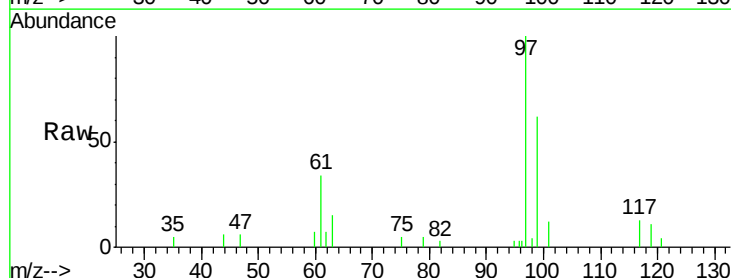
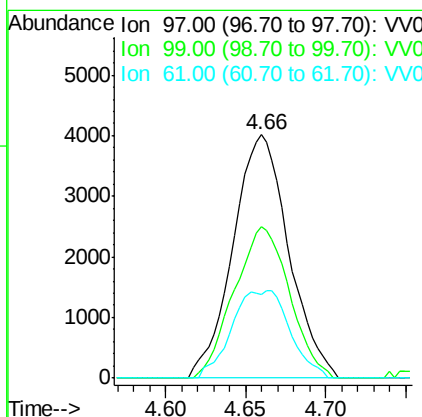
RT: 4.66 min Scan# 1110

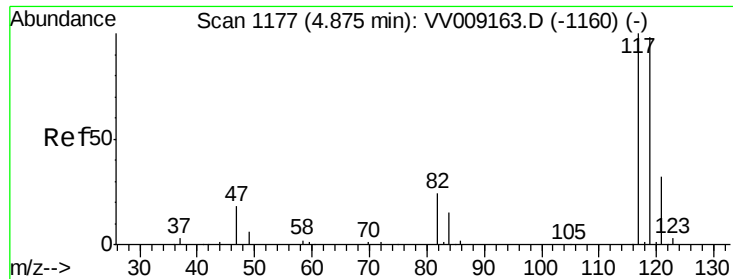
Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Tgt Ion:	97	Resp:	9570
Ion	Ratio	Lower	Upper
97	100		
99	62.0	51.2	76.8
61	20.0	31.8	47.6#





#32

Carbon tetrachloride

Concen: 2.613 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

Tot Ion:117 Resp: 8492

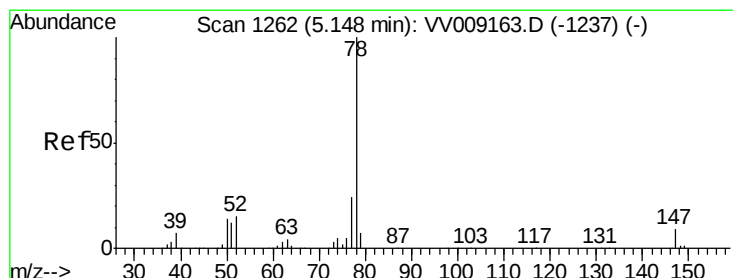
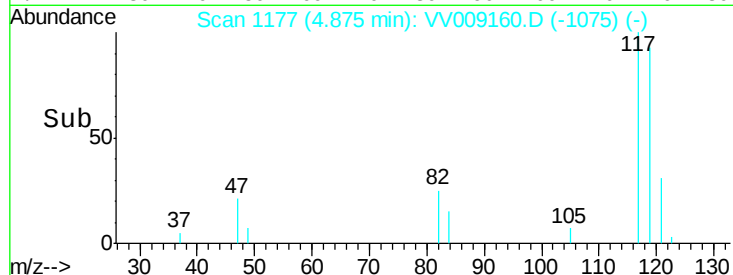
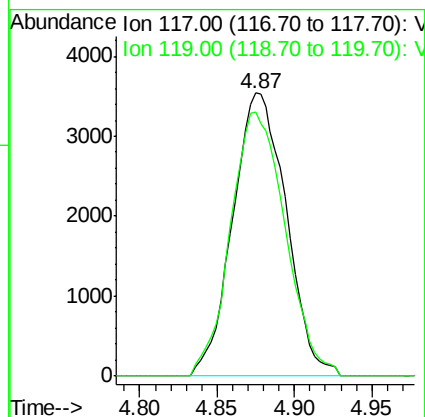
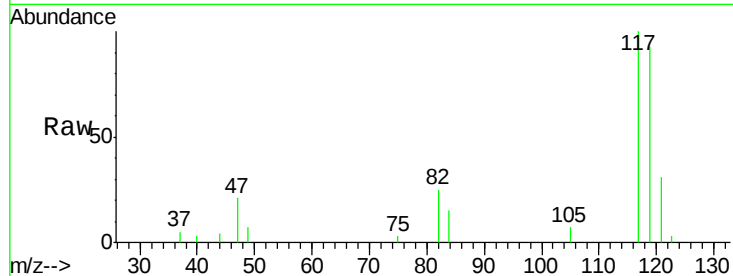
Ion Ratio Lower Upper

117 100

119 95.5 76.6 115.0

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#34

Benzene

Concen: 2.737 ug/L

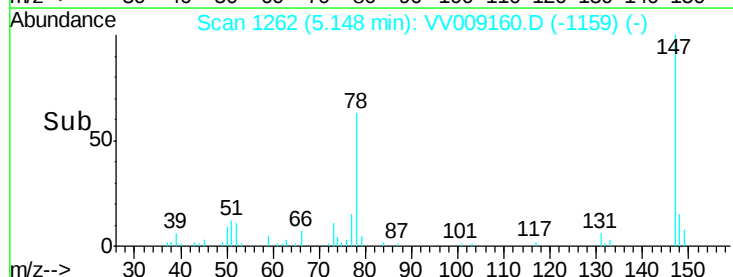
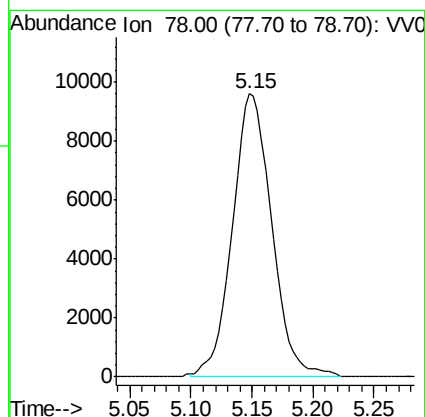
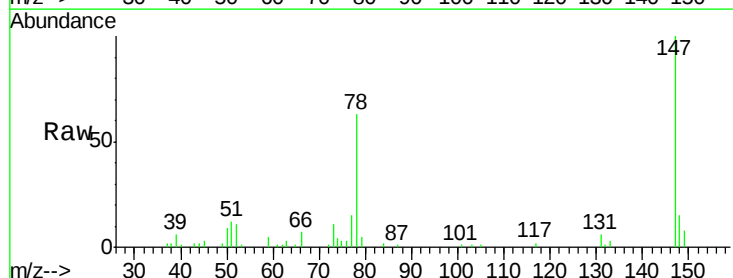
RT: 5.15 min Scan# 1262

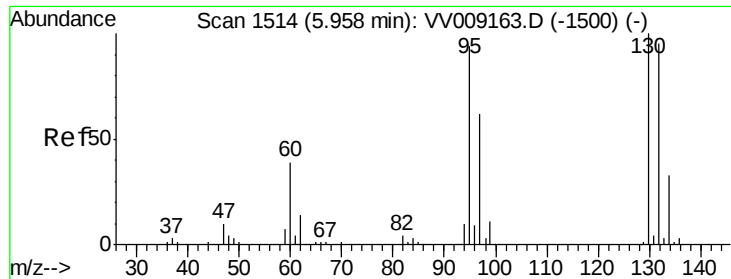
Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Tgt Ion: 78 Resp: 21488





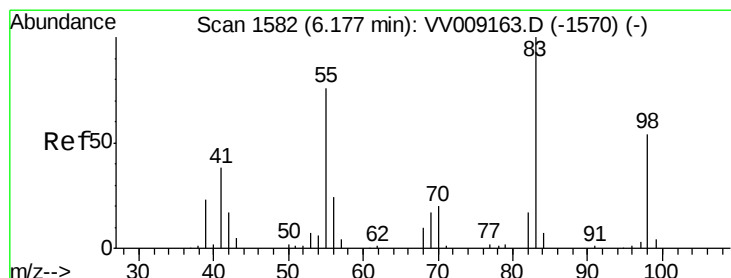
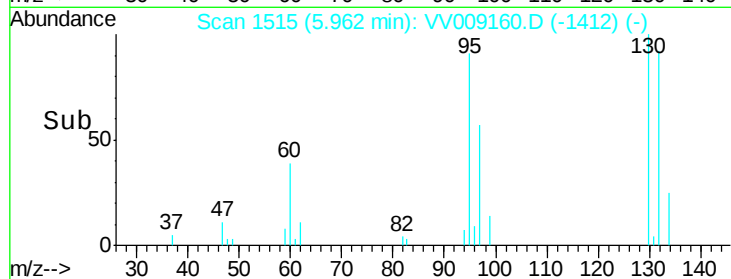
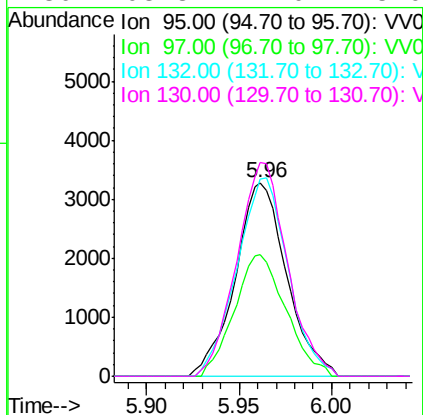
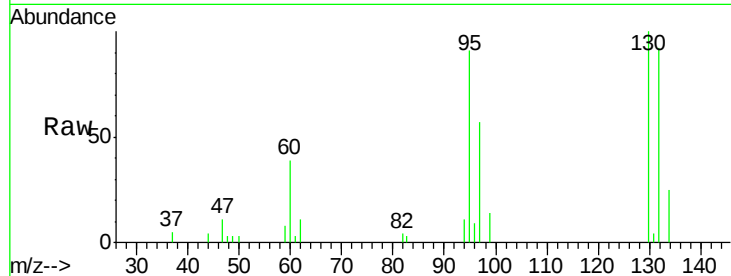
#35
 Trichloroethene
 Concen: 2.790 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		6310		
97	62.8	46.2	85.8		
132	102.1	73.9	137.3		
130	108.3	77.0	143.0		

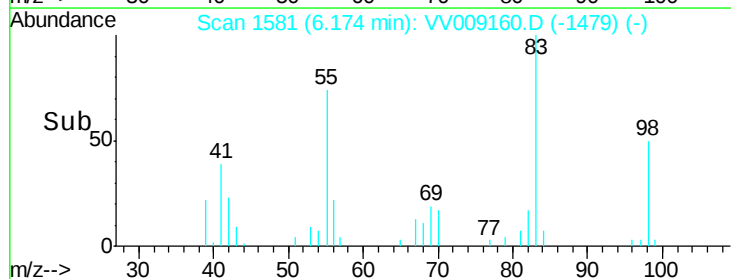
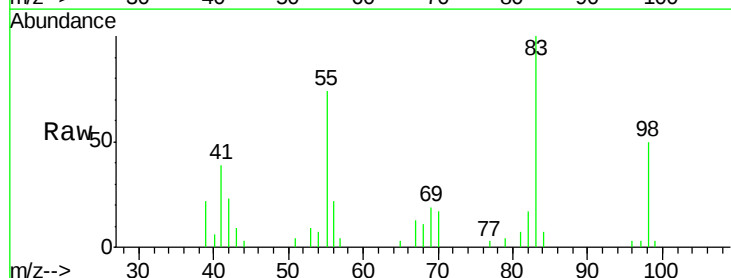
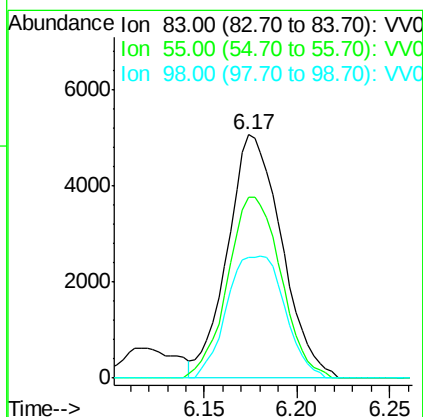
Manual Integrations
 APPROVED

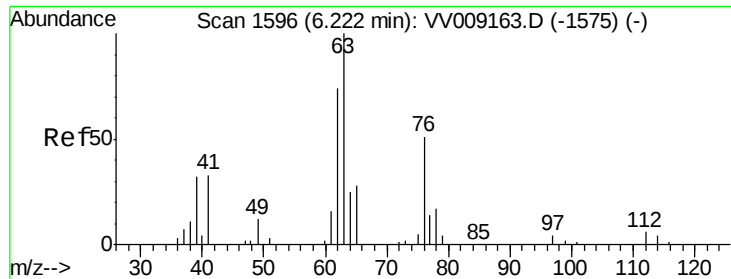
MMDadoda
 1/8/2019 12:00:07 AM



#36
 Methylcyclohexane
 Concen: 2.726 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		10300		
55	73.4	58.5	87.7		
98	53.5	41.4	62.0		





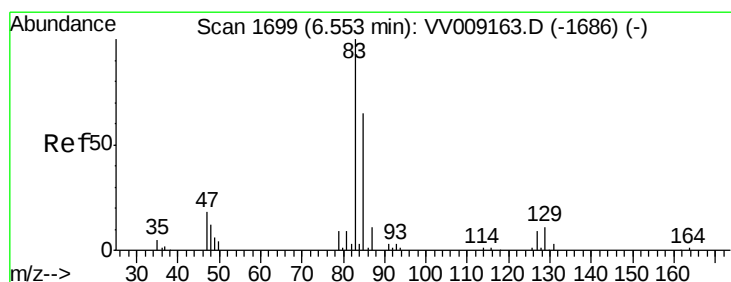
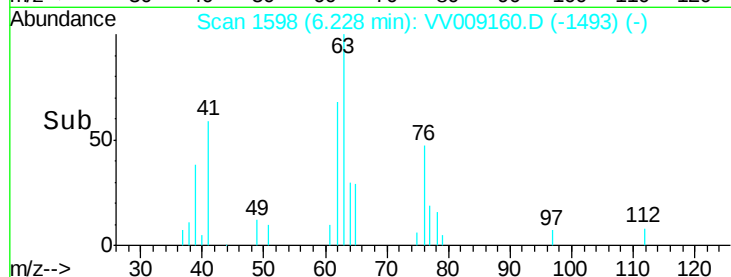
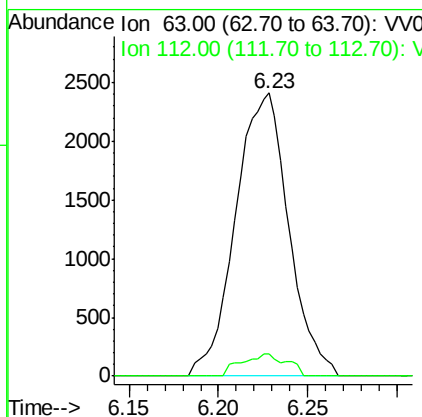
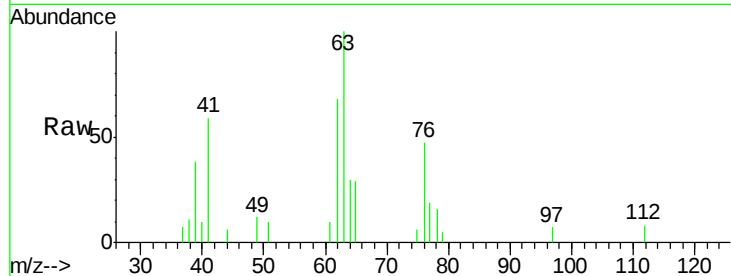
#40
 1,2-Dichloropropane
 Concen: 2.652 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD2.567

Tot Ion: 63 Resp: 5018
 Ion Ratio Lower Upper
 63 100
 112 2.0 3.9 5.9#

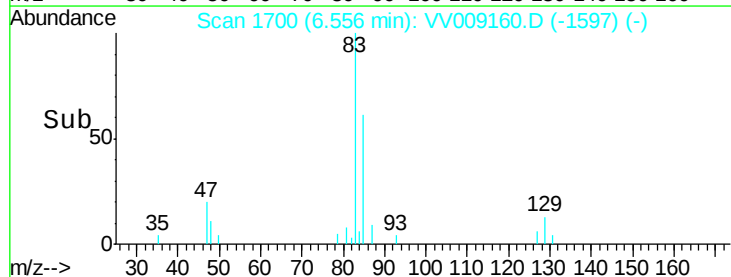
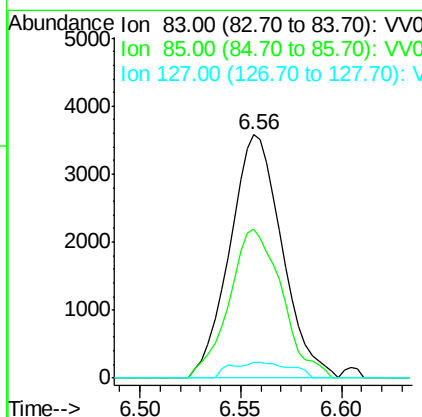
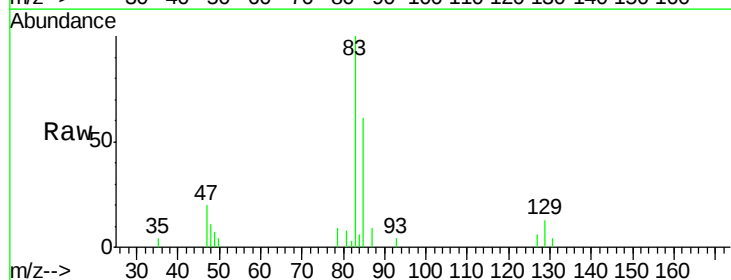
Manual Integrations
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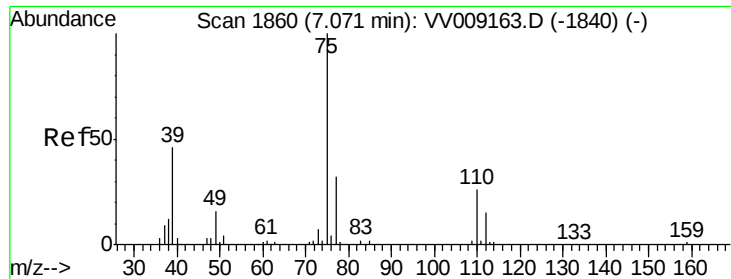
MMDadoda
 1/8/2019 12:00:07 AM



#41
 Bromodichloromethane
 Concen: 2.487 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Tgt Ion: 83 Resp: 6449
 Ion Ratio Lower Upper
 83 100
 85 61.2 45.3 84.1
 127 6.5 7.8 11.6#





#42

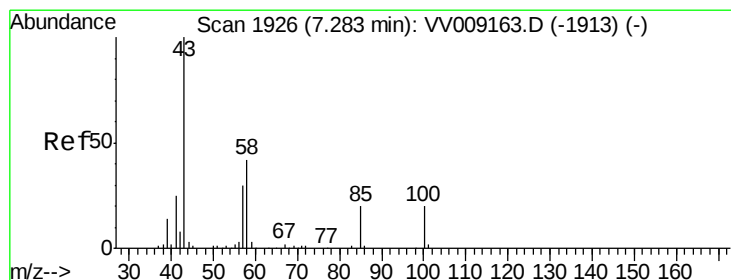
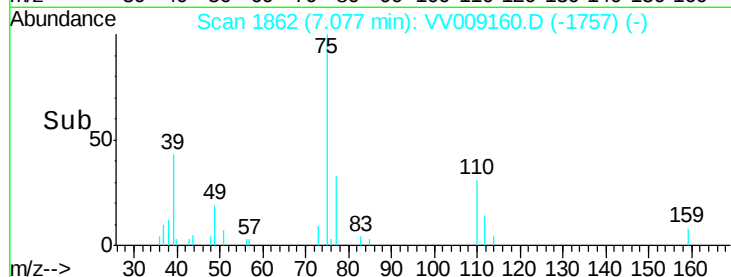
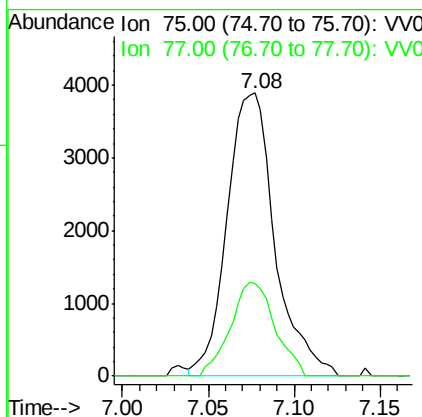
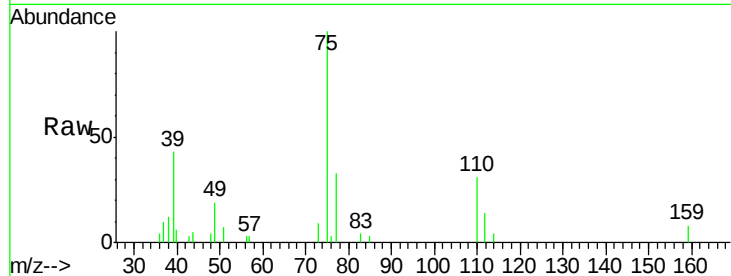
cis-1,3-Dichloropropene
Concen: 2.512 ug/L
RT: 7.08 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	22.8	42.4

Manual Integrations
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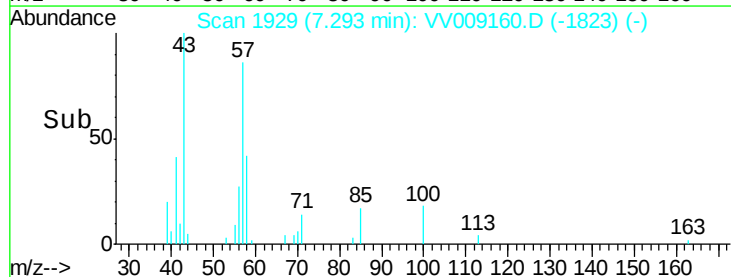
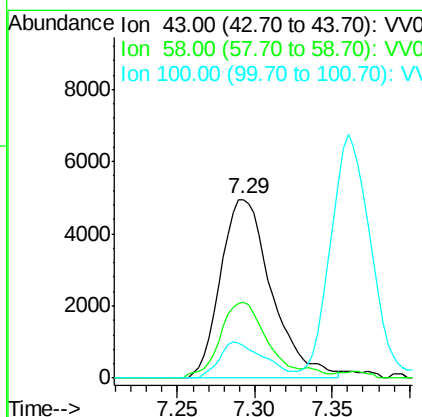
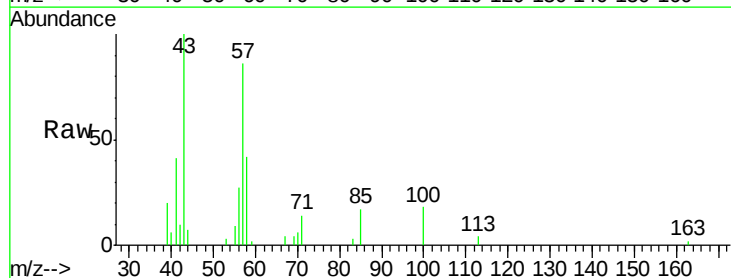
MMDadoda
1/8/2019 12:00:07 AM

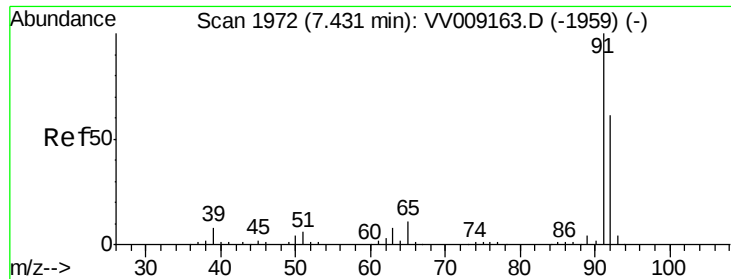


#43

4-Methyl-2-pentanone
Concen: 6.311 ug/L
RT: 7.29 min Scan# 1929
Delta R.T. 0.01 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.2	33.4	50.2
100	17.4	15.2	22.8





#44

Toluene

Concen: 2.678 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

Tot Ion: 91 Resp: 22667

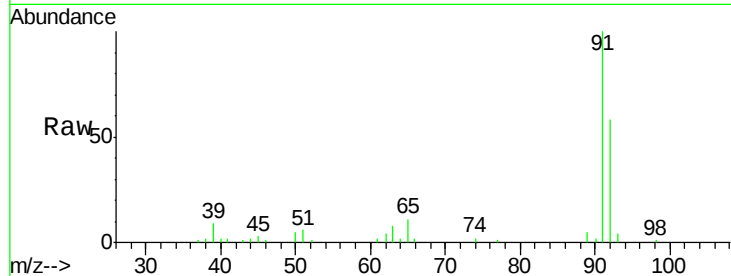
Ion Ratio Lower Upper

91 100

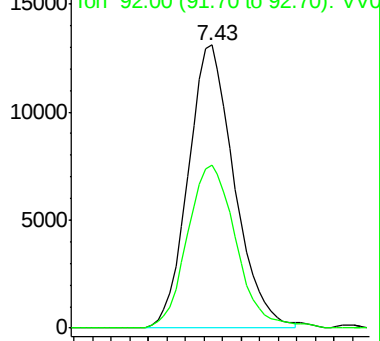
92 57.6 41.7 77.5

Manual Integrations
APPROVED

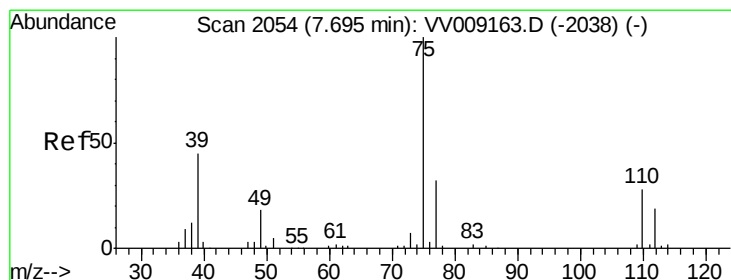
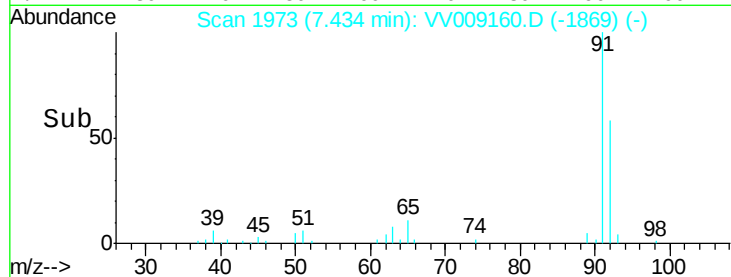
MMDadoda
1/8/2019 12:00:07 AM



Abundance Ion 91.00 (90.70 to 91.70): VV009160.D (-1869) (-)



Time-->



#45

trans-1,3-Dichloropropene

Concen: 2.530 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV009160.D

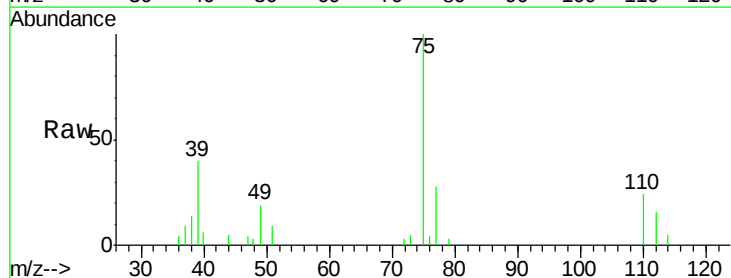
Acq: 04 Jan 2019 13:29

Tgt Ion: 75 Resp: 6641

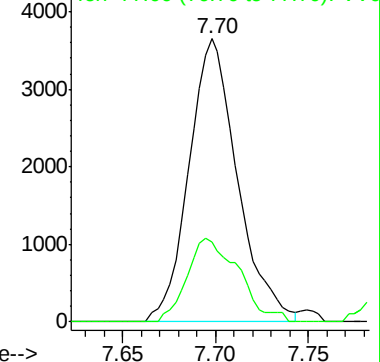
Ion Ratio Lower Upper

75 100

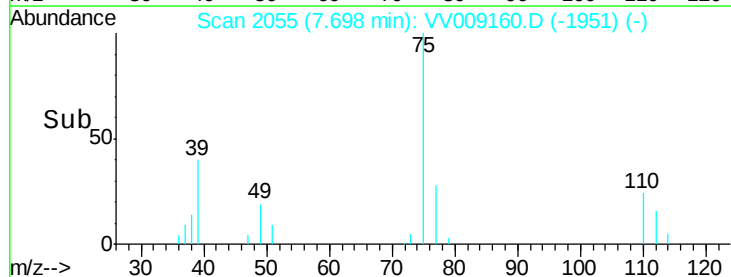
77 28.0 22.3 41.5

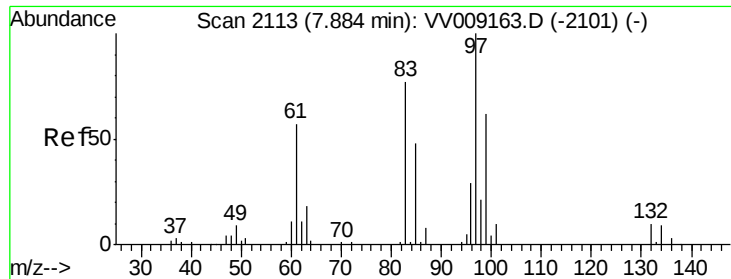


Abundance Ion 75.00 (74.70 to 75.70): VV009160.D (-1951) (-)



Time-->





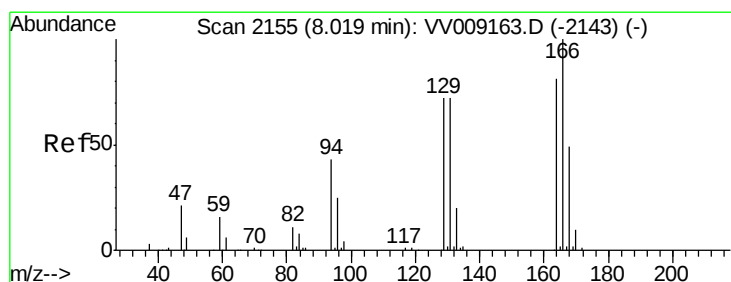
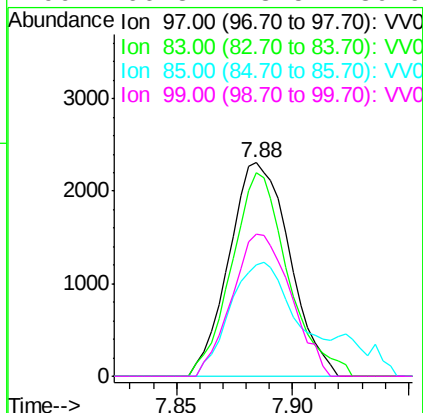
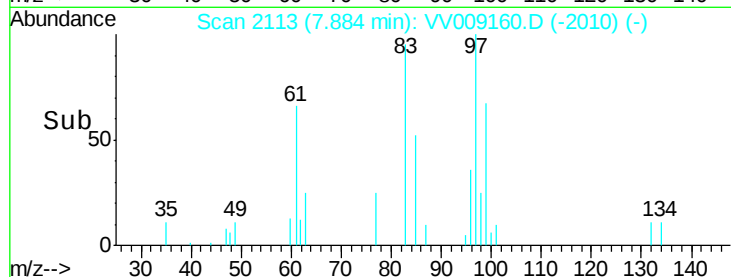
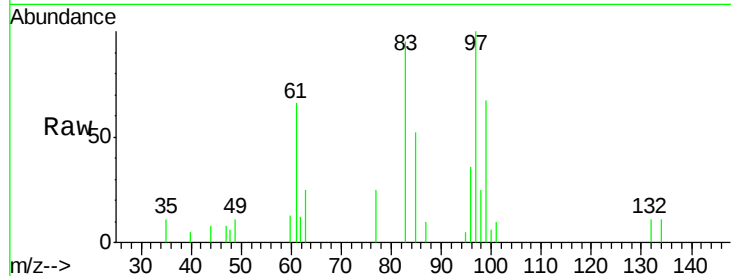
#46
1,1,2-Trichloroethane
Concen: 2.507 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

Tot Ion:	97	Resp:	4193
Ion	Ratio	Lower	Upper
97	100		
83	95.1	56.0	104.0
85	52.0	36.5	67.9
99	66.8	43.5	80.9

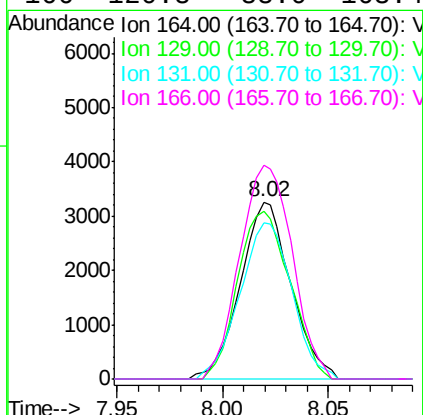
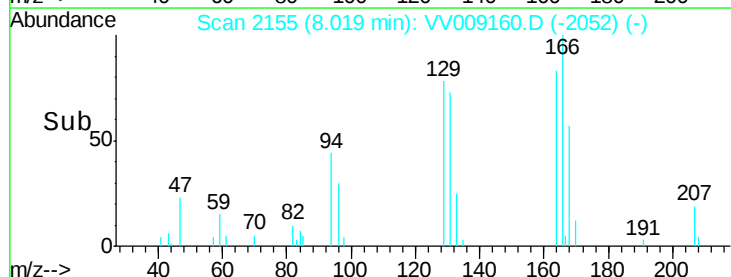
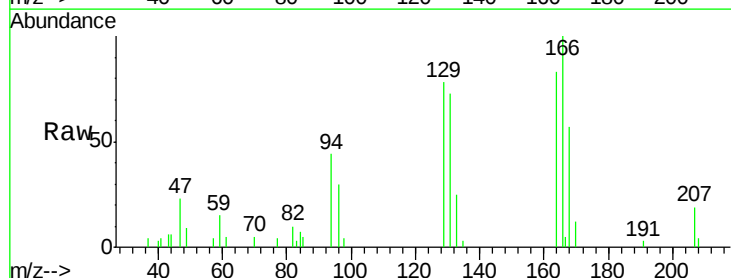
Manual Integrations
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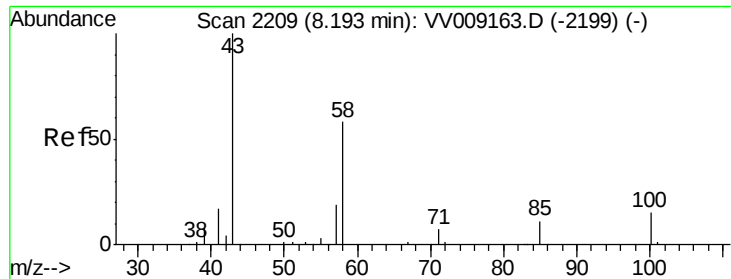
MMDadoda
1/8/2019 12:00:07 AM



#47
Tetrachloroethene
Concen: 2.764 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion:	164	Resp:	5416
Ion	Ratio	Lower	Upper
164	100		
129	94.5	63.5	117.9
131	88.4	63.2	117.4
166	120.8	88.0	163.4





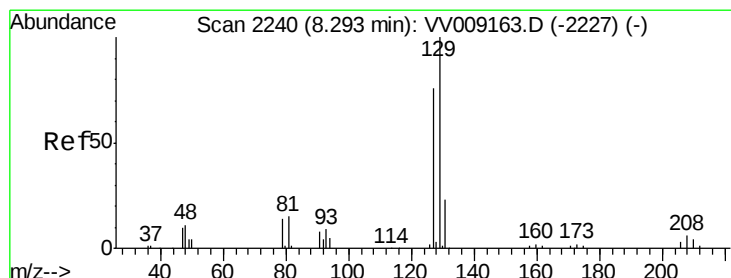
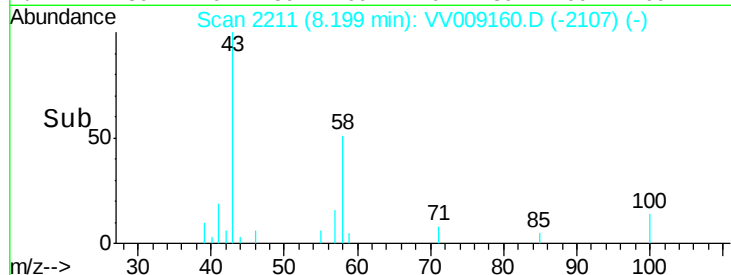
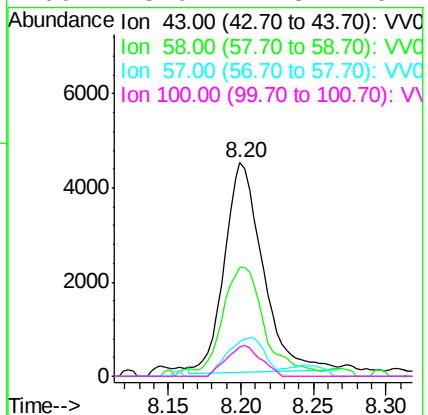
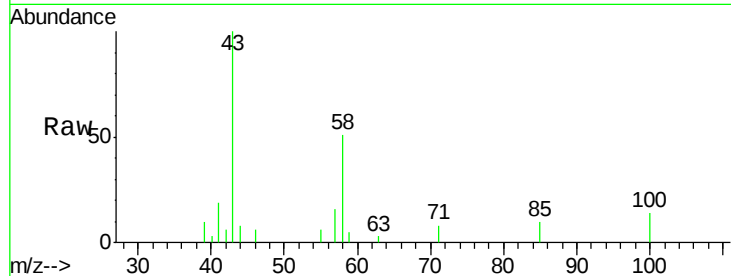
#49
2-Hexanone
Concen: 6.235 ug/L
RT: 8.20 min Scan# 2211
Delta R.T. 0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	46.7	70.1
57	17.4	15.5	23.3
100	13.0	12.8	19.2

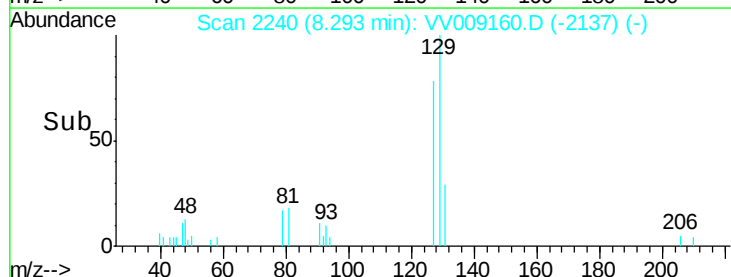
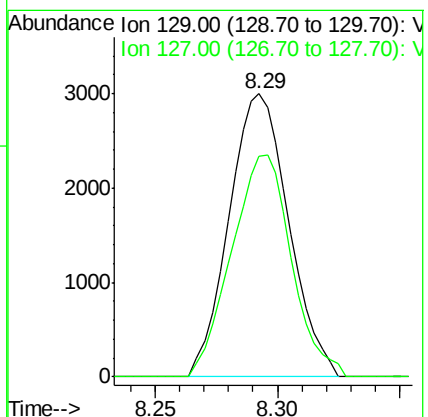
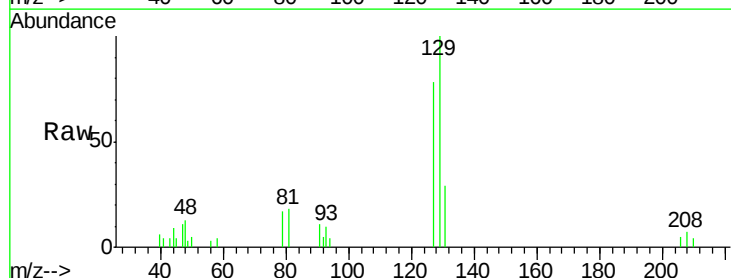
Manual Integrations
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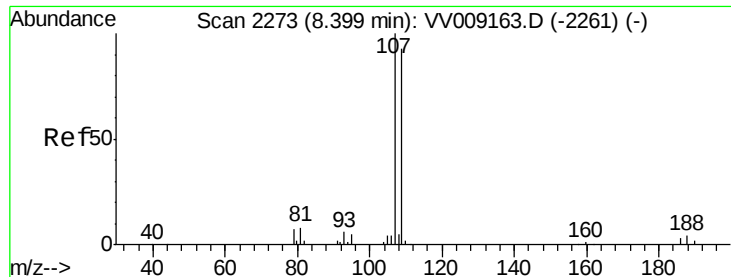
MMDadoda
1/8/2019 12:00:07 AM



#50
Dibromochloromethane
Concen: 2.472 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	53.1	98.7





#51

1,2-Dibromoethane

Concen: 2.677 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

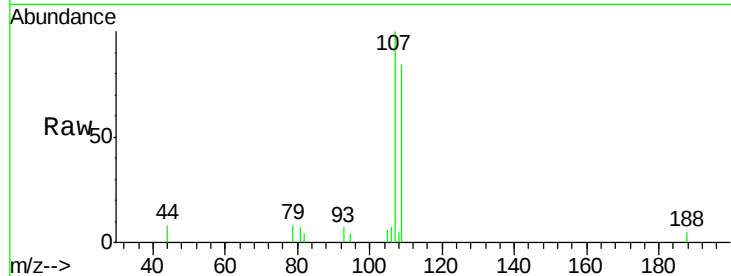
ClientSampleId :

VSTD2.567

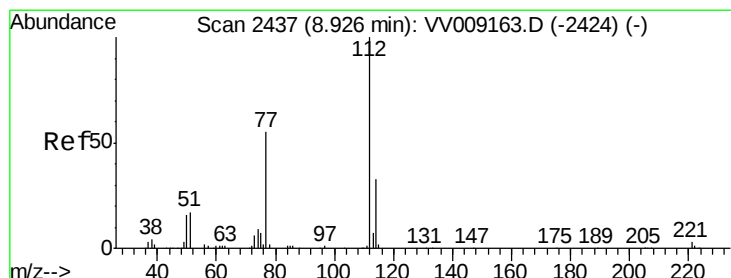
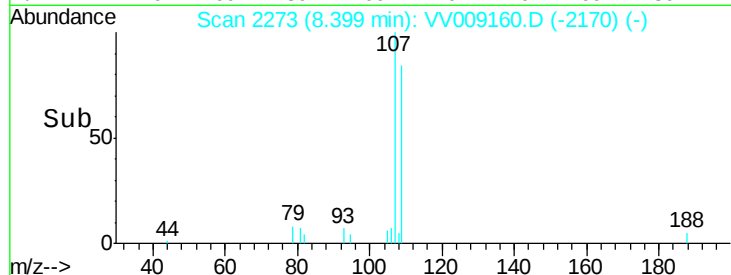
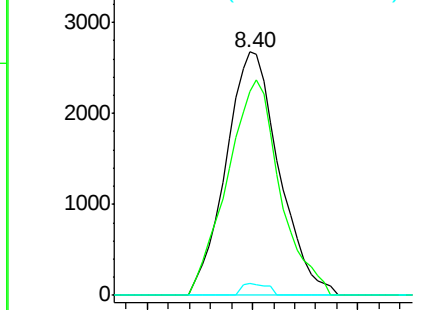
Tot Ion:	107	Resp:	4680
Ion	Ratio	Lower	Upper
107	100		
109	83.9	63.6	118.0
188	4.7	3.3	4.9

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MMDadoda
1/8/2019 12:00:07 AM



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 2.792 ug/L

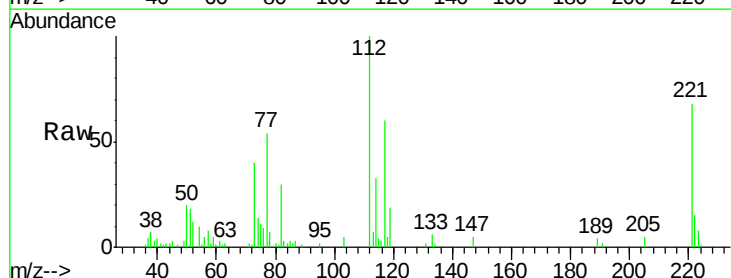
RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

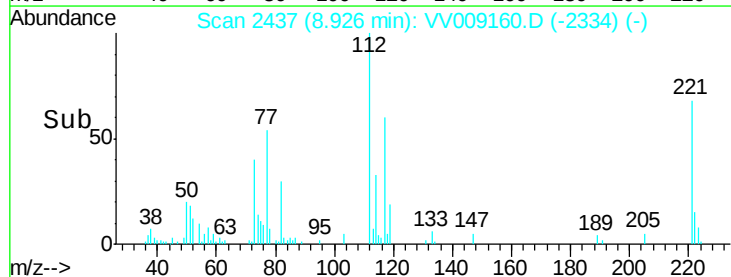
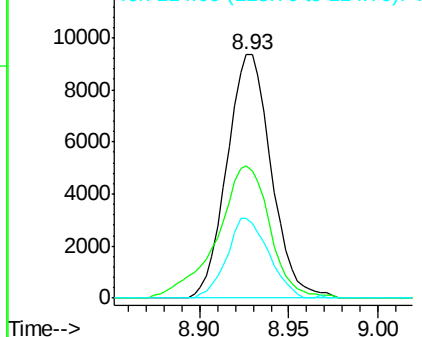
Lab File: VV009160.D

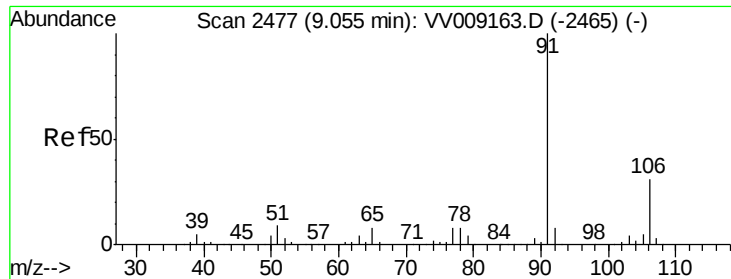
Acq: 04 Jan 2019 13:29

Tgt Ion:	112	Resp:	16215
Ion	Ratio	Lower	Upper
112	100		
77	54.1	44.6	66.8
114	33.0	22.5	41.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 2.649 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

Tot Ion: 91 Resp: 25352

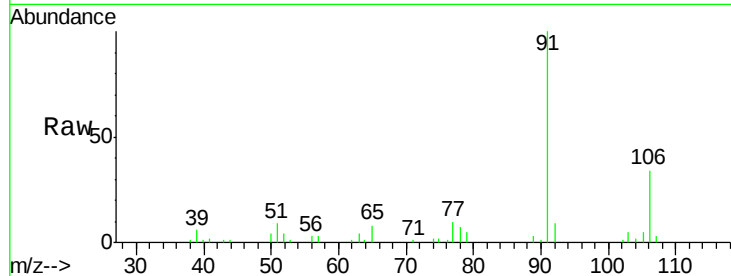
Ion Ratio Lower Upper

91 100

106 33.6 22.5 41.9

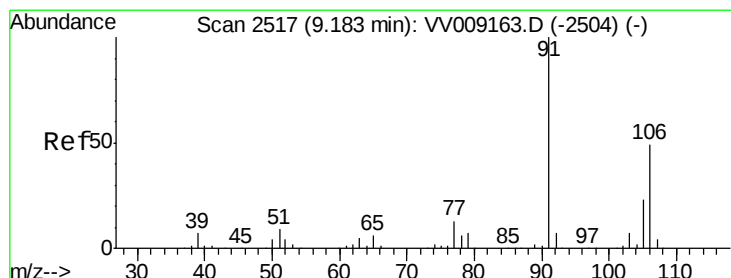
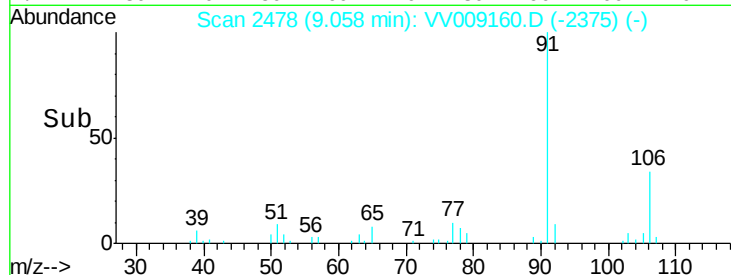
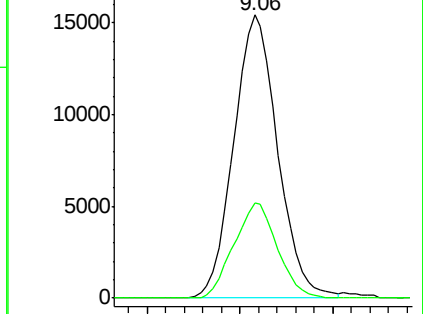
Manual Integrations
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MMDadoda
1/8/2019 12:00:07 AM



Abundance Ion 91.00 (90.70 to 91.70): VV009160.D (-2475) (-)

Ion 106.00 (105.70 to 106.70): VV009160.D (-2475) (-)



#54

m,p-Xylene

Concen: 2.693 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009160.D

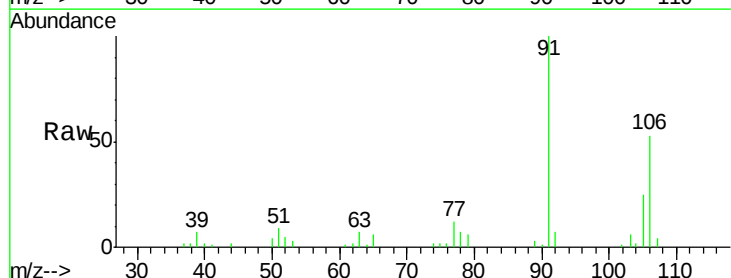
Acq: 04 Jan 2019 13:29

Tgt Ion: 106 Resp: 10042

Ion Ratio Lower Upper

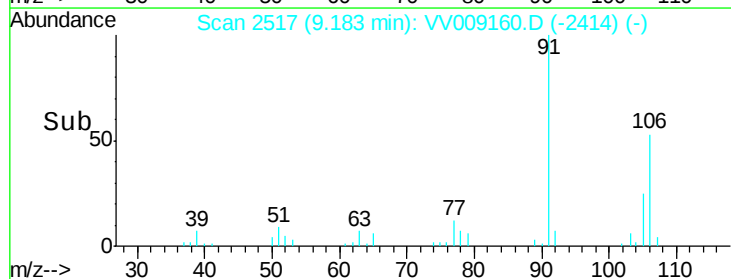
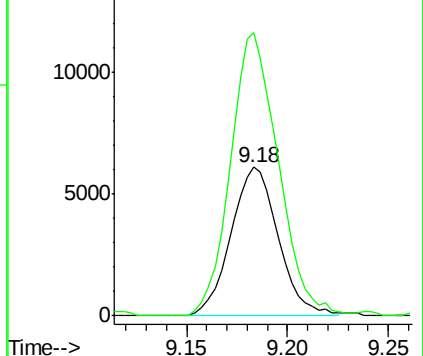
106 100

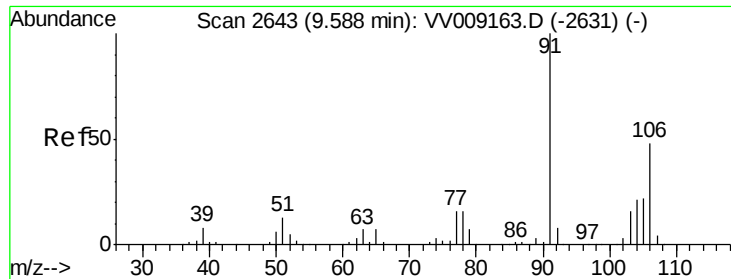
91 190.2 138.9 257.9



Abundance Ion 106.00 (105.70 to 106.70): VV009160.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VV009160.D (-2514) (-)





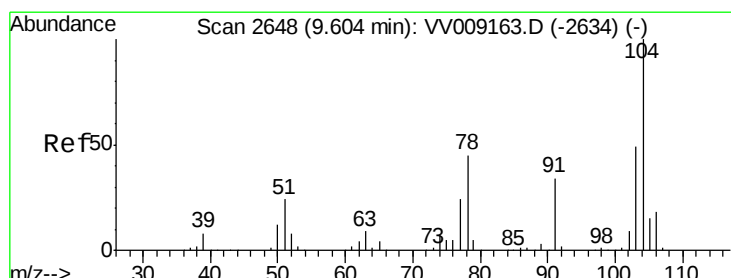
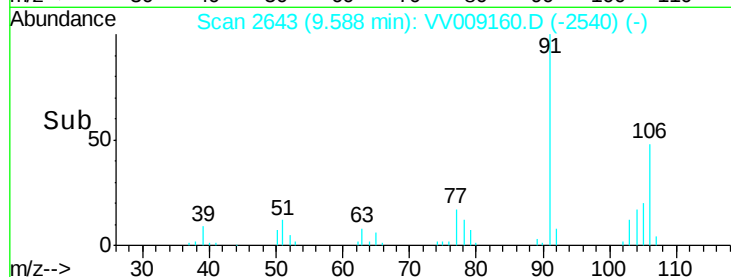
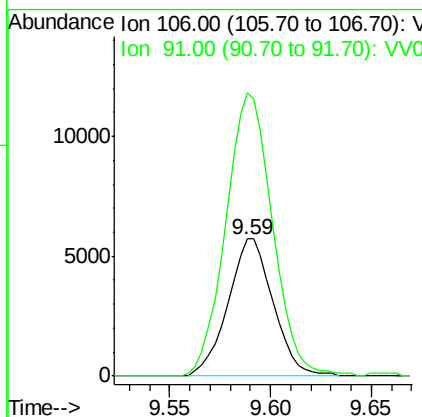
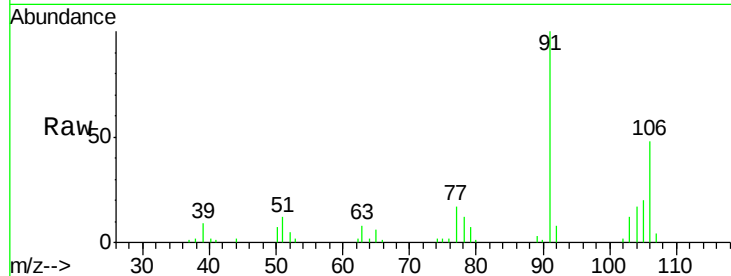
#55
o-xylene
Concen: 2.603 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Instrument :
MSVOA_V
ClientSampled :
VSTD2.567

Tot Ion:106 Resp: 8976
Ion Ratio Lower Upper
106 100
91 206.5 148.7 276.1

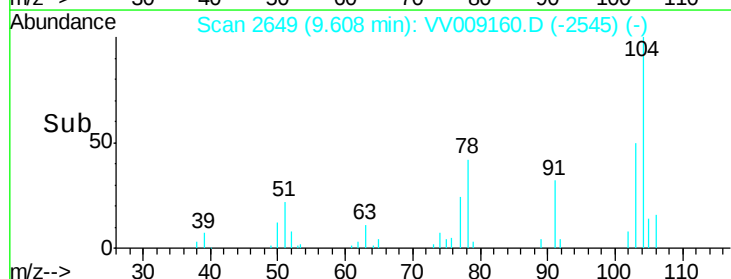
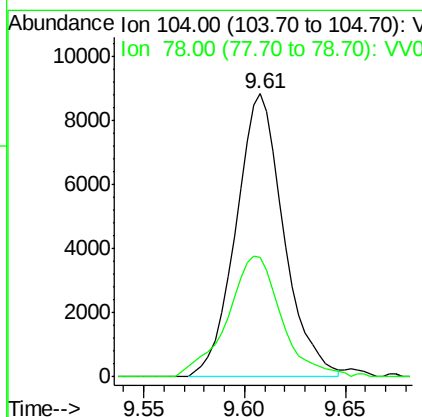
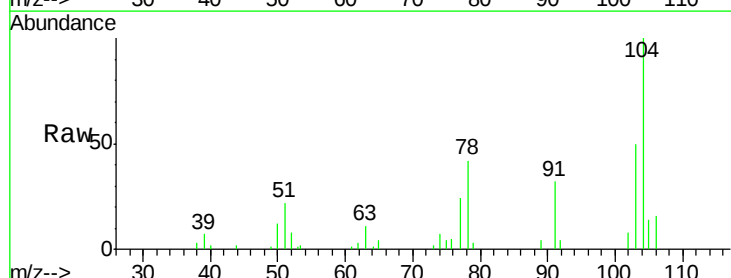
Manual Integrations
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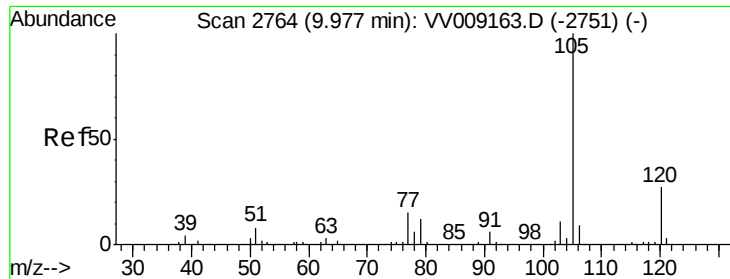
MMDadoda
1/8/2019 12:00:07 AM



#56
Styrene
Concen: 2.516 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion:104 Resp: 14632
Ion Ratio Lower Upper
104 100
78 42.1 31.6 58.8





#57

Isopropylbenzene

Concen: 2.551 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

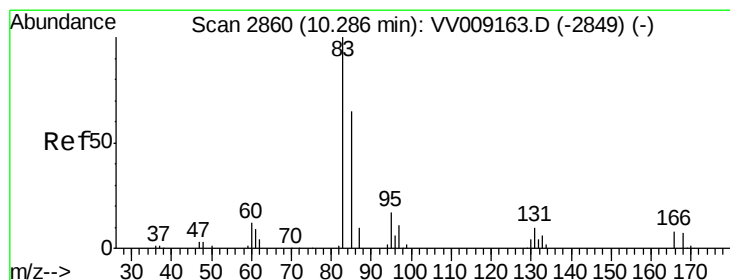
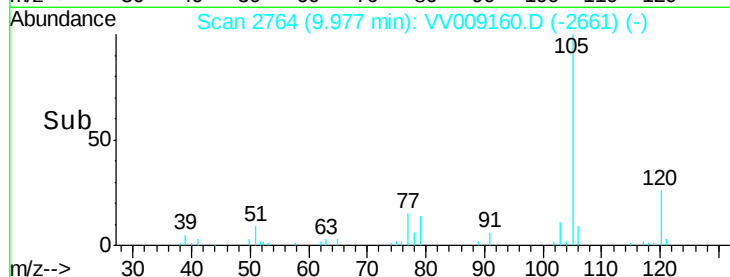
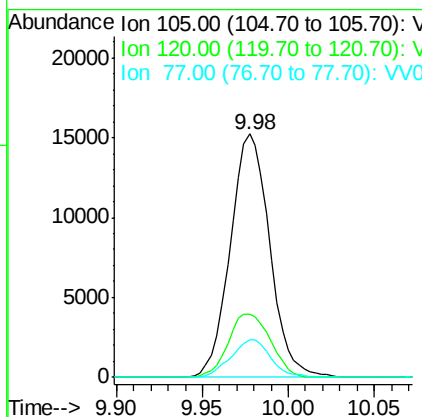
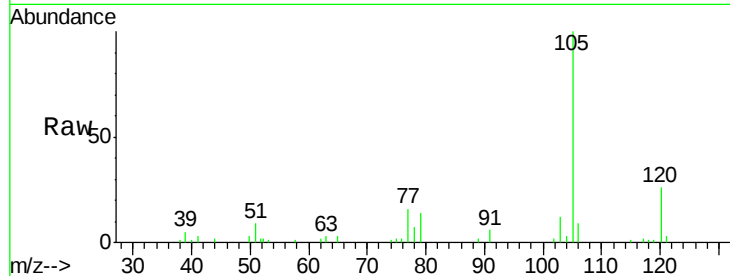
ClientSampleId :

VSTD2.567

Tot Ion:	105	Resp:	24405
Ion Ratio	Lower	Upper	
105	100		
120	27.9	21.9	32.9
77	15.4	12.1	18.1

Manual Integrations
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MMDadoda
1/8/2019 12:00:07 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.691 ug/L

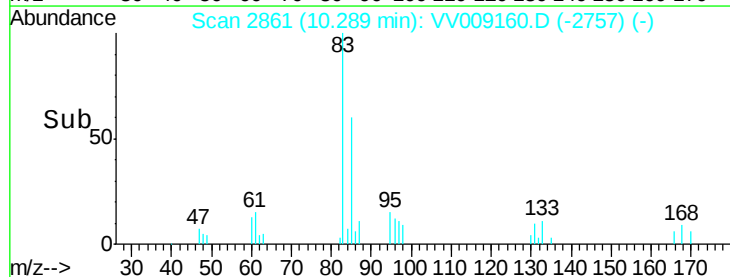
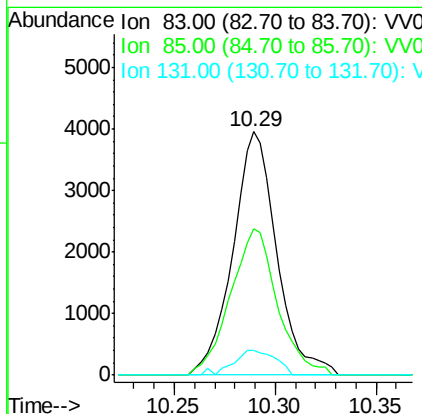
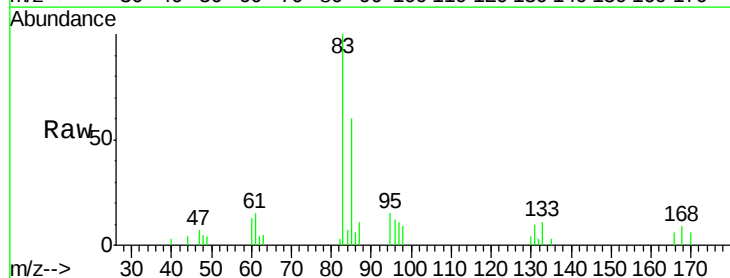
RT: 10.29 min Scan# 2861

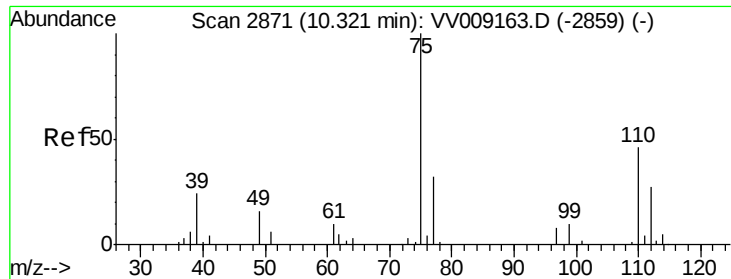
Delta R.T. 0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Tgt Ion:	83	Resp:	6028
Ion Ratio	Lower	Upper	
83	100		
85	59.9	45.4	84.2
131	10.2	9.4	14.0





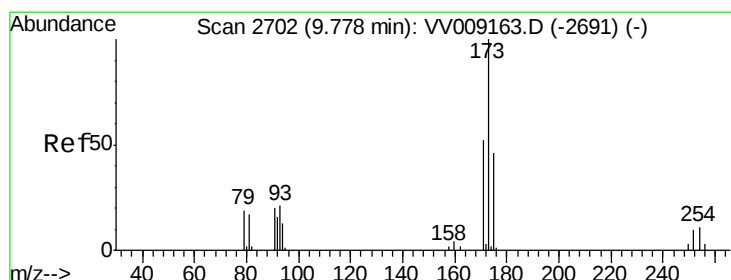
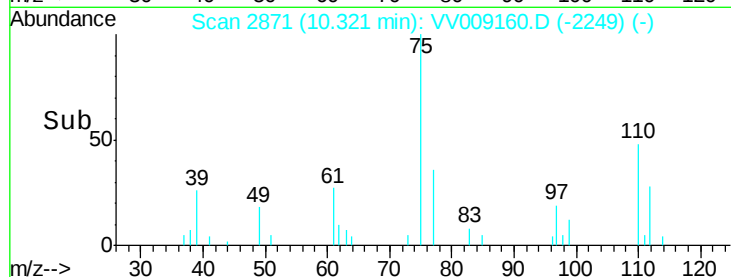
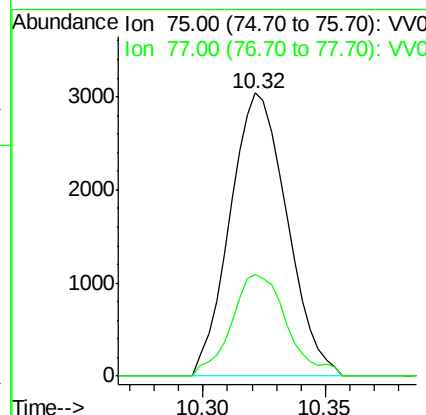
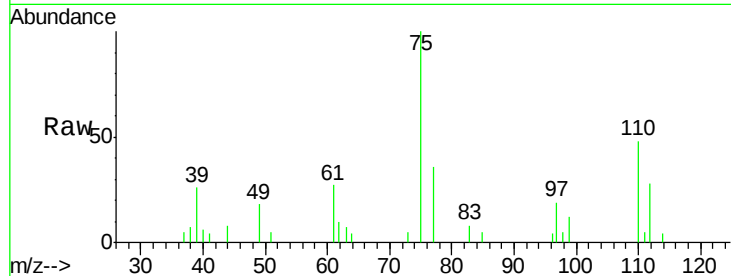
#59
 1,2,3-Trichloropropane
 Concen: 2.752 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

Tot Ion: 75 Resp: 4928
 Ion Ratio Lower Upper
 75 100
 77 34.8 25.0 37.6

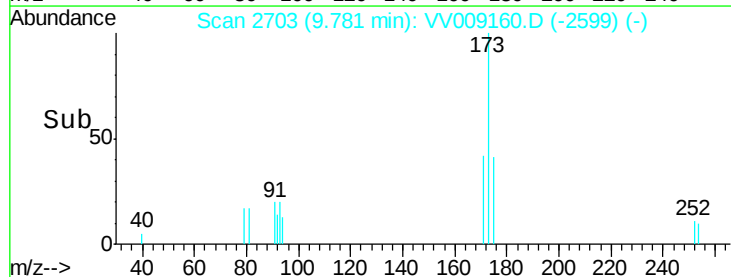
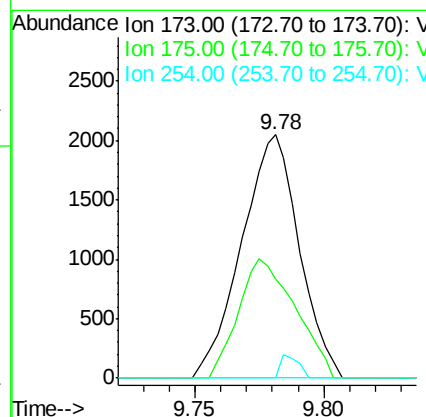
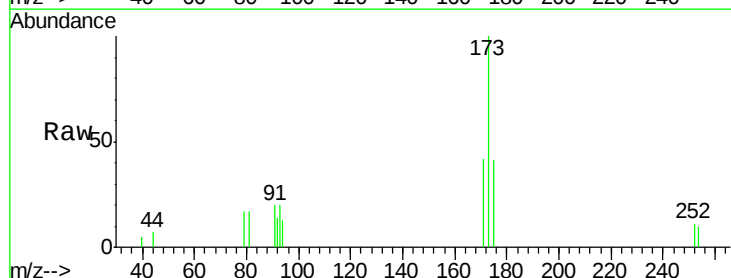
Manual Integrations
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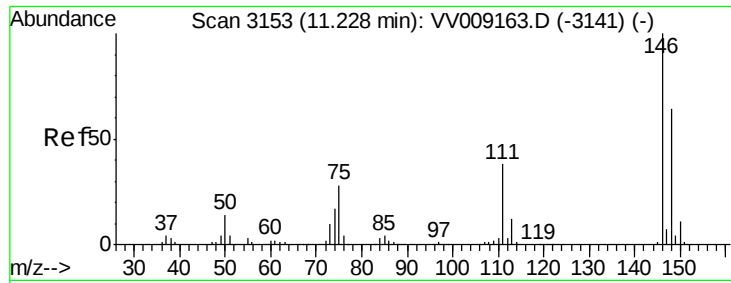
MMDadoda
 1/8/2019 12:00:07 AM



#62
 Bromoform
 Concen: 2.470 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Tgt Ion: 173 Resp: 3201
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.4 57.6
 254 3.0 8.0 12.0#





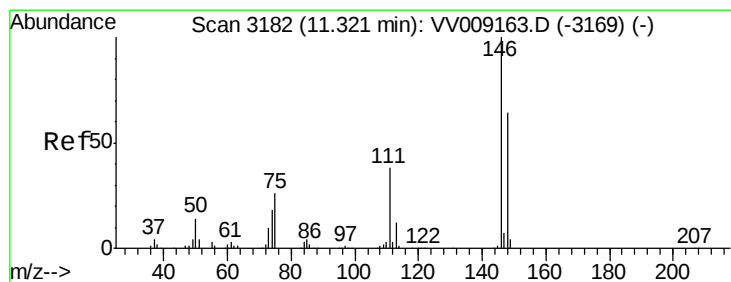
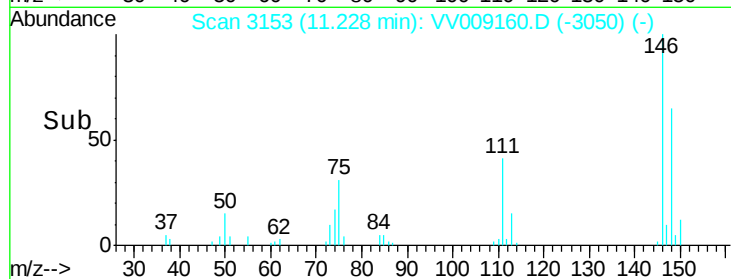
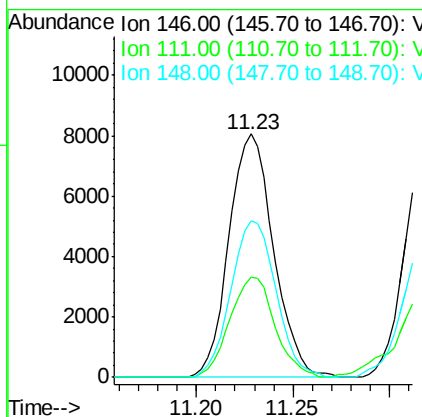
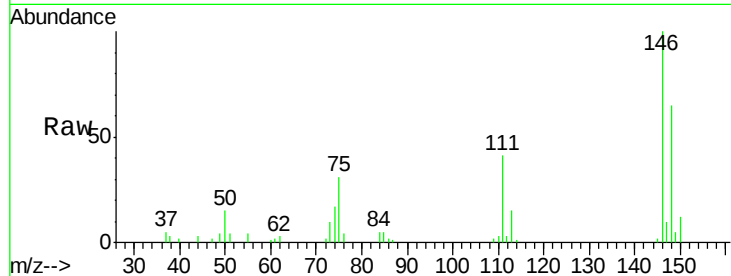
#63
 1,3-Dichlorobenzene
 Concen: 2.791 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	28.0	52.0
148	64.5	45.6	84.8

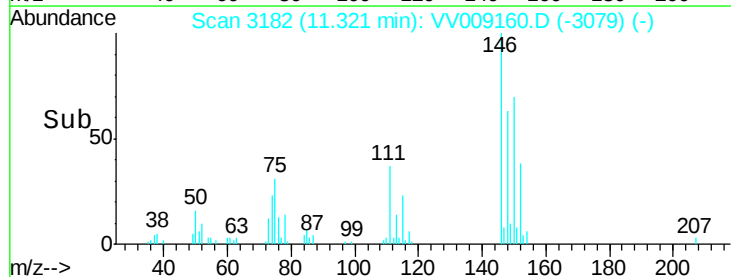
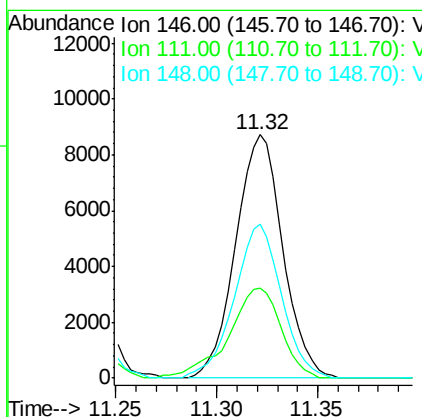
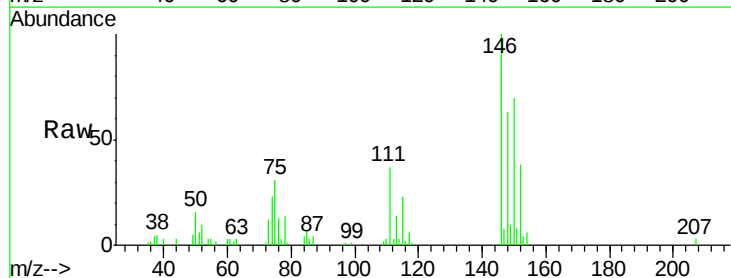
Manual Integrations
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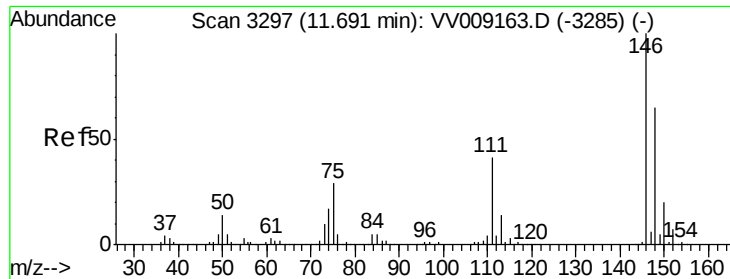
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#64
 1,4-Dichlorobenzene
 Concen: 2.963 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	26.0	48.4
148	63.1	43.4	80.6





#65

1,2-Dichlorobenzene

Concen: 2.814 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

Instrument :

MSVOA_V

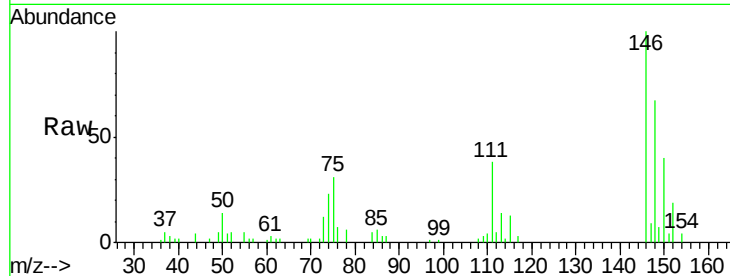
ClientSampleId :

VSTD2.567

Tot Ion:	146	Resp:	12394
Ion Ratio	Lower	Upper	
146	100		
111	38.1	32.2	48.4
148	67.4	50.4	75.6

Manual Integrations
APPROVED

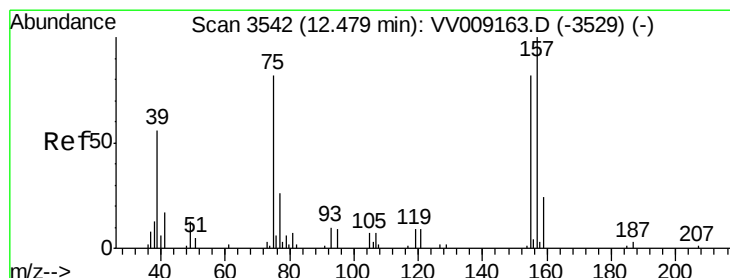
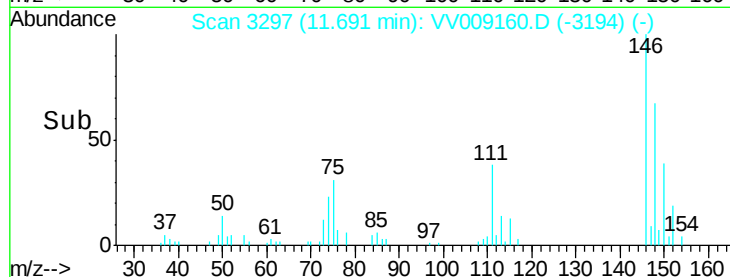
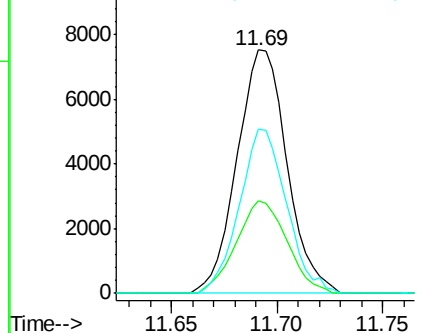
MMDadoda
1/8/2019 12:00:07 AM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 2.793 ug/L

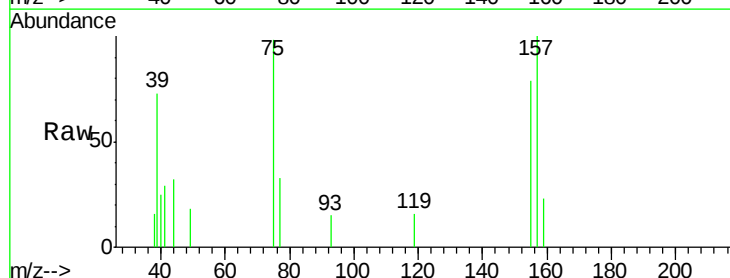
RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009160.D

Acq: 04 Jan 2019 13:29

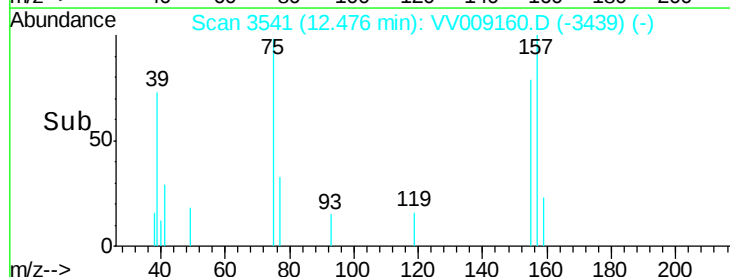
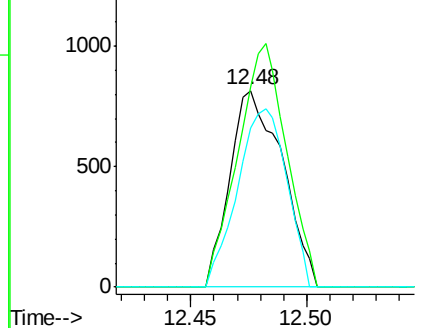
Tgt Ion:	75	Resp:	1277
Ion Ratio	Lower	Upper	
75	100		
157	102.1	96.9	145.3
155	81.1	68.0	102.0

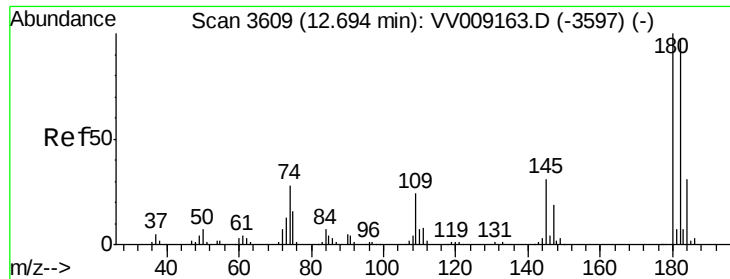


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





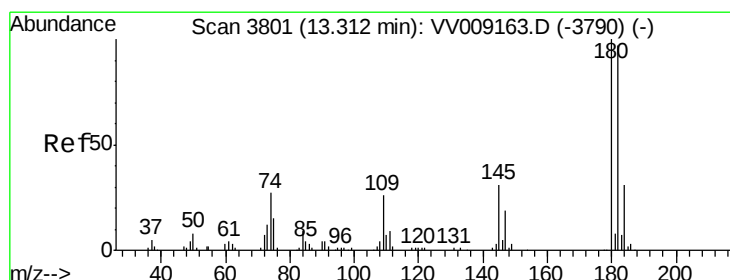
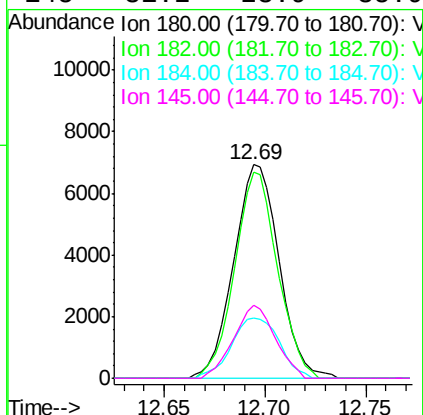
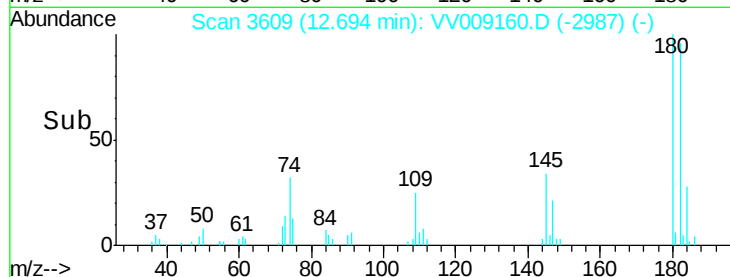
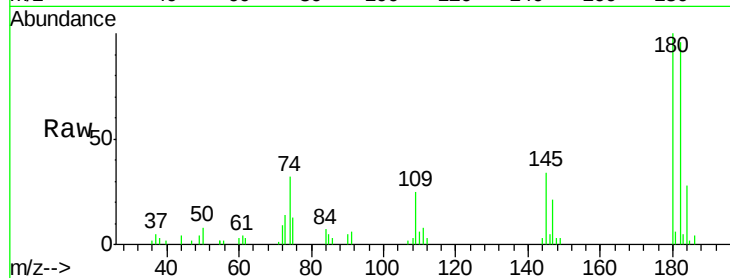
#67
 1,3,5-Trichlorobenzene
 Concen: 2.927 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	75.3	112.9
184	29.9	24.6	37.0
145	31.2	23.9	35.9

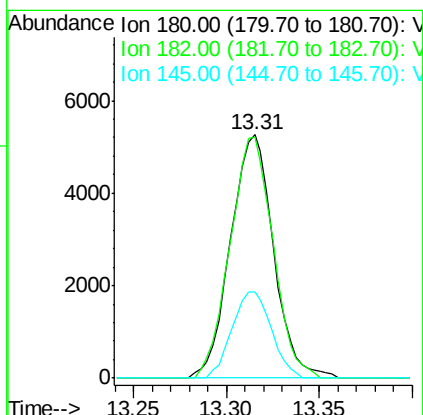
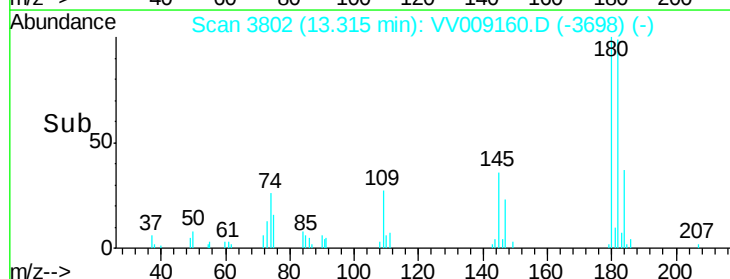
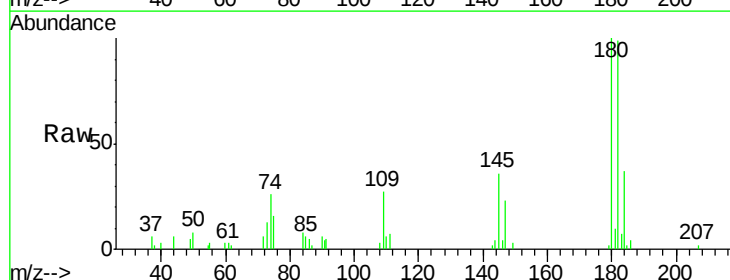
Manual Integrations
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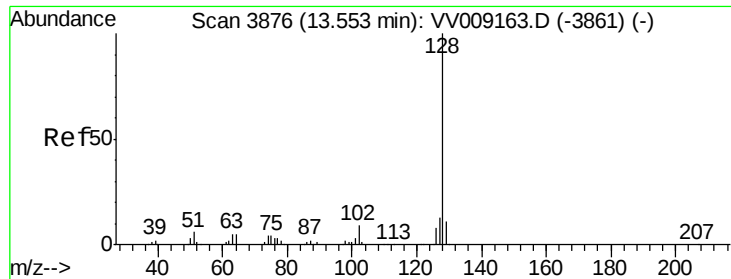
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#68
 1,2,4-trichlorobenzene
 Concen: 2.789 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009160.D
 Acq: 04 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	76.2	114.4
145	32.5	25.4	38.0





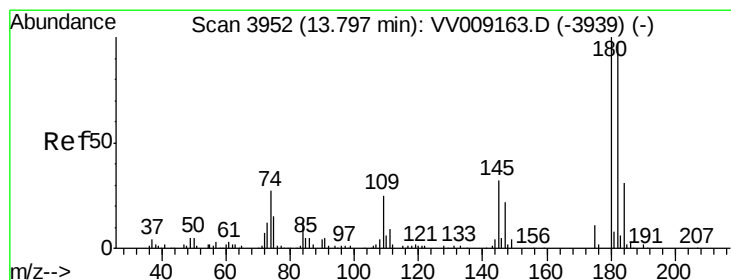
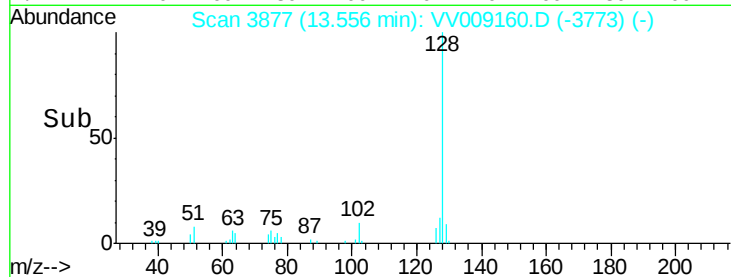
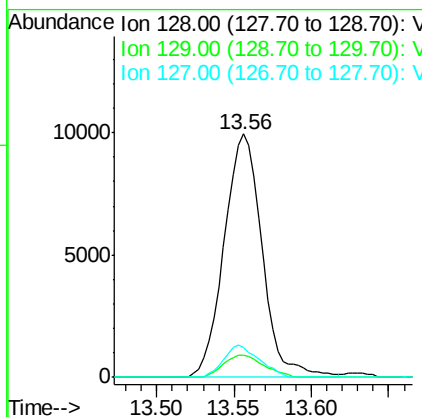
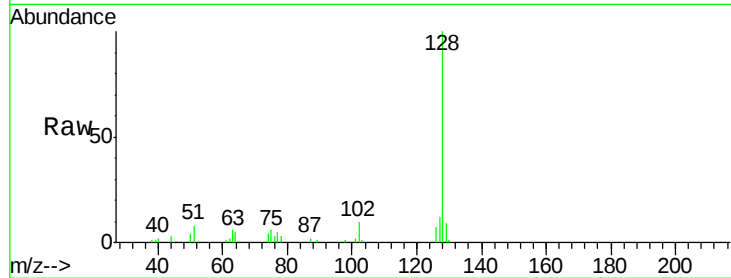
#69
Naphthalene
Concen: 2.746 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.6	9.0	13.4
127	12.2	10.4	15.6

Manual Integrations
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#70
1,2,3-Trichlorobenzene
Concen: 2.855 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. -0.00 min
Lab File: VV009160.D
Acq: 04 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	74.4	111.6
145	33.9	25.7	38.5

