

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100219\
 Data File : VV013029.D
 Acq On : 02 Oct 2019 12:45
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 3:10:51 PM

Quant Time: Oct 03 04:18:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM093019SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 03 03:55:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	674996	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	687059	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	352657	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	206755	21.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.64%
7) Chloroethane-d5	1.58	69	182830	22.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.32%
11) 1,1-Dichloroethene-d2	2.13	63	287053	17.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.04%
21) 2-Butanone-d5	3.95	46	185105	54.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.58%
24) Chloroform-d	4.40	84	421458	23.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.72%
26) 1,2-Dichloroethane-d4	5.08	65	255556	24.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.10	84	862505	22.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.04%
36) 1,2-Dichloropropane-d6	6.12	67	283194	23.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.36%
41) Toluene-d8	7.36	98	768904	22.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.88%
43) trans-1,3-Dichloropropene-	7.66	79	109847	22.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.12%
47) 2-Hexanone-d5	8.14	63	125060	49.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.86%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	268626	24.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.68%
66) 1,2-Dichlorobenzene-d4	11.67	152	320164	23.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	11562	1.599	ug/L	100
3) Chloromethane	1.25	50	17804	1.934	ug/L	95
5) Vinyl chloride	1.32	62	18268	1.926	ug/L #	80
6) Bromomethane	1.53	94	13357	2.192	ug/L	95
8) Chloroethane	1.60	64	12204	2.035	ug/L	99
9) Trichlorofluoromethane	1.77	101	27507	2.141	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	19235	2.335	ug/L	88
12) 1,1-Dichloroethene	2.14	96	17327	2.240	ug/L #	1
13) Acetone	2.21	43	17851	4.967	ug/L	100
14) Carbon disulfide	2.32	76	46307	1.950	ug/L	99
15) Methyl Acetate	2.47	43	12216	2.203	ug/L	98
16) Methylene chloride	2.53	84	31786	2.875	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	18934	2.076	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	48248	2.103	ug/L	96
19) 1,1-Dichloroethane	3.23	63	35204	2.103	ug/L	100
20) cis-1,2-Dichloroethene	3.97	96	21732	2.143	ug/L	93
22) 2-Butanone	4.05	43	14736m	3.741	ug/L	

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 Response via : Initial Calibration

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

23) Bromochloromethane	4.30	128	10619	2.136	ug/L	97
25) Chloroform	4.42	83	44645	2.559	ug/L	92
27) 1,2-Dichloroethane	5.18	62	25719	2.144	ug/L	99
29) Cyclohexane	4.72	56	25459	1.683	ug/L #	92
30) 1,1,1-Trichloroethane	4.66	97	27445	1.956	ug/L	97
31) Carbon tetrachloride	4.87	117	24301	1.924	ug/L	99
33) Benzene	5.14	78	81234	2.068	ug/L	100
34) Trichloroethene	5.96	95	22605	2.124	ug/L	96
35) Methylcyclohexane	6.17	83	28359	1.698	ug/L	93
37) 1,2-Dichloropropane	6.22	63	21114	2.095	ug/L	97
38) Bromodichloromethane	6.55	83	27675	2.103	ug/L #	98
39) cis-1,3-Dichloropropene	7.07	75	30167	1.988	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	33803	4.196	ug/L	97
42) Toluene	7.43	91	89348	2.139	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	25724m	2.064	ug/L	
45) 1,1,2-Trichloroethane	7.88	97	18981	2.220	ug/L	95
46) Tetrachloroethene	8.02	164	18158	2.062	ug/L	96
48) 2-Hexanone	8.19	43	27342	4.662	ug/L	99
49) Dibromochloromethane	8.29	129	20626	2.116	ug/L	94
50) 1,2-Dibromoethane	8.40	107	18220	2.160	ug/L	97
51) Chlorobenzene	8.92	112	60217	2.125	ug/L	99
52) Ethylbenzene	9.05	91	87771	1.912	ug/L	99
53) m,p-Xylene	9.18	106	31798	1.812	ug/L	94
54) o-Xylene	9.59	106	30085	1.792	ug/L	99
55) Styrene	9.60	104	49229	1.675	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	25042	2.402	ug/L	96
59) Bromoform	9.77	173	12969	2.147	ug/L	99
60) Isopropylbenzene	9.97	105	74777	1.759	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	18569	2.313	ug/L #	95
62) 1,3,5-Trimethylbenzene	10.58	105	57571	1.681	ug/L	97
63) 1,2,4-Trimethylbenzene	10.96	105	55266	1.607	ug/L	100
64) 1,3-Dichlorobenzene	11.23	146	44623	2.000	ug/L	98
65) 1,4-Dichlorobenzene	11.32	146	50682	2.163	ug/L	99
67) 1,2-Dichlorobenzene	11.69	146	47568	2.233	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.47	75	3717	2.135	ug/L #	85
69) 1,3,5-Trichlorobenzene	12.69	180	37382	2.081	ug/L	97
70) 1,2,4-trichlorobenzene	13.31	180	29369	1.891	ug/L	96
71) Naphthalene	13.55	128	51204	1.693	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	30378	2.028	ug/L	99

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

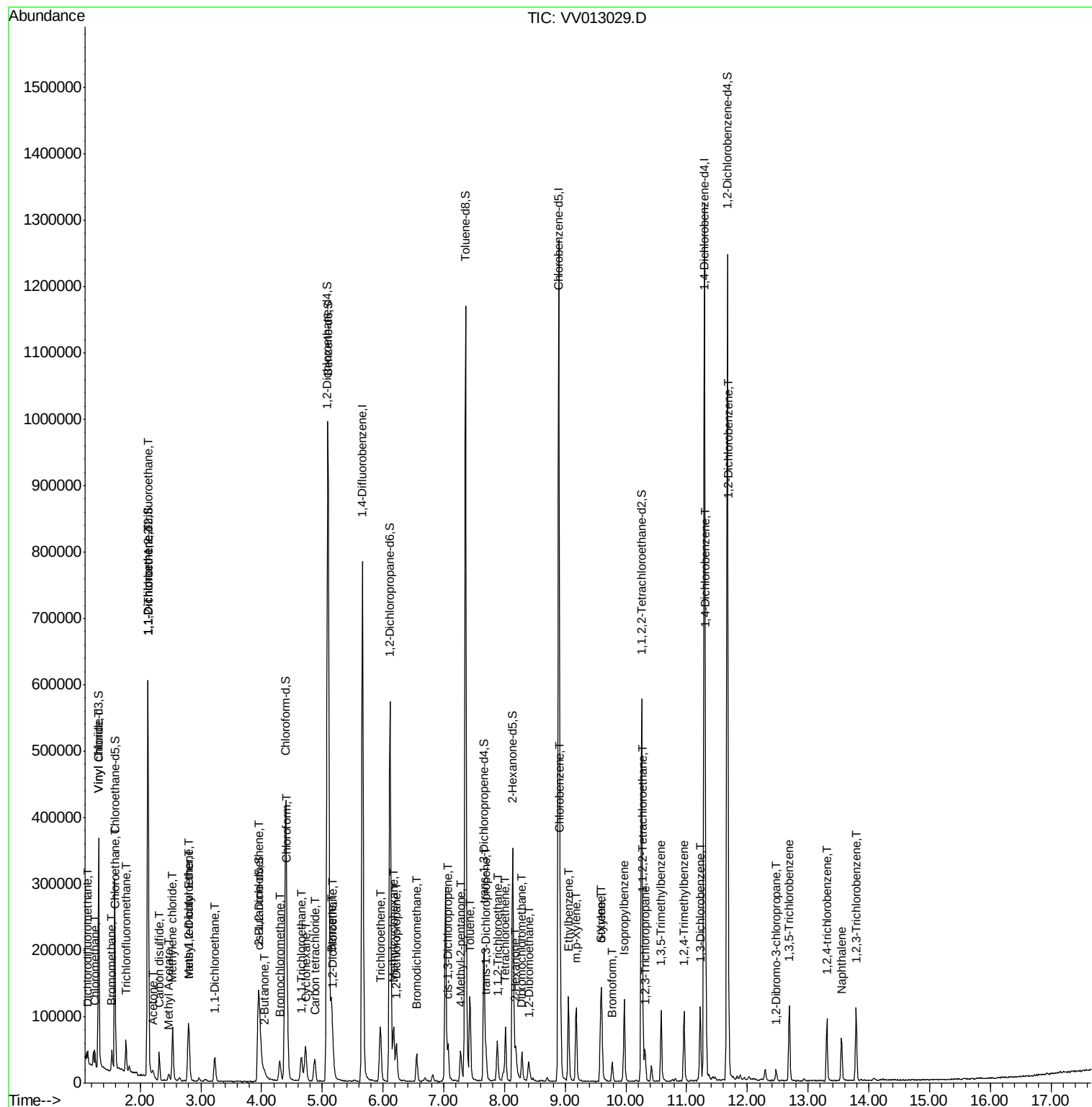
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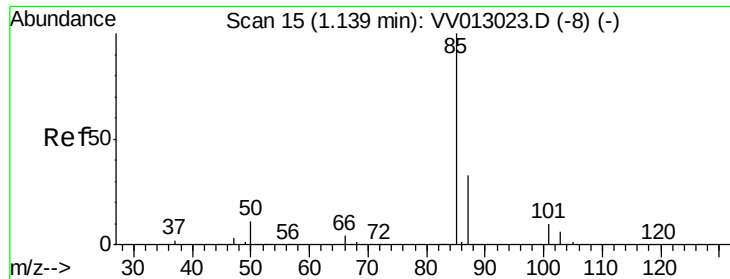
Instrument :
MSVOA_V
ClientSampleId :
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QLast Update : Thu Oct 03 03:55:32 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.599 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 85 Resp: 11562

Ion Ratio Lower Upper

85 100

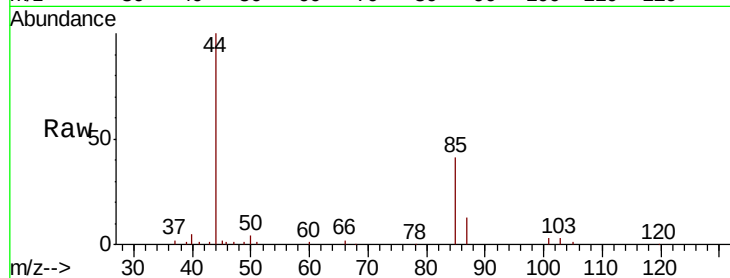
87 32.2 25.7 38.5

Manual Integrations

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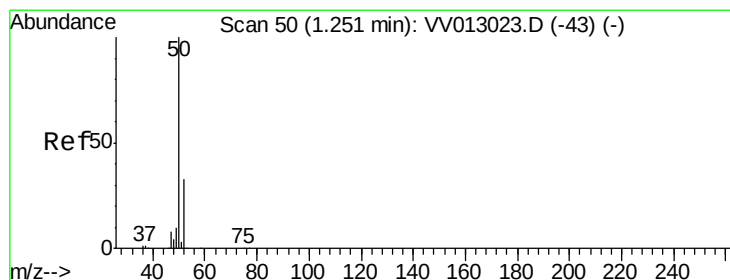
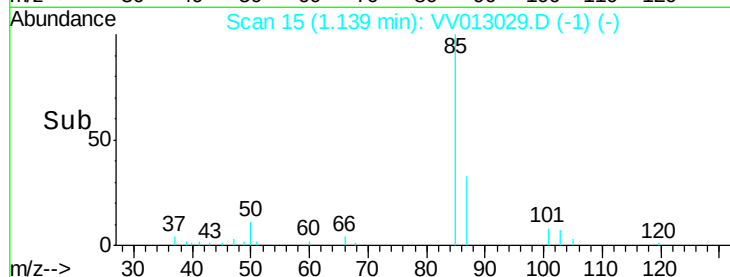
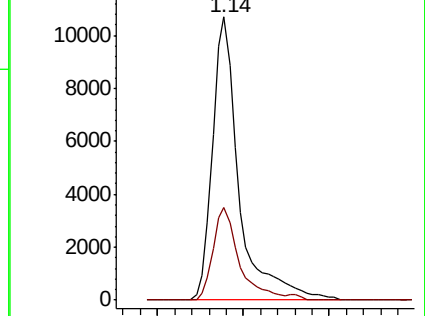
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 1.934 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013029.D

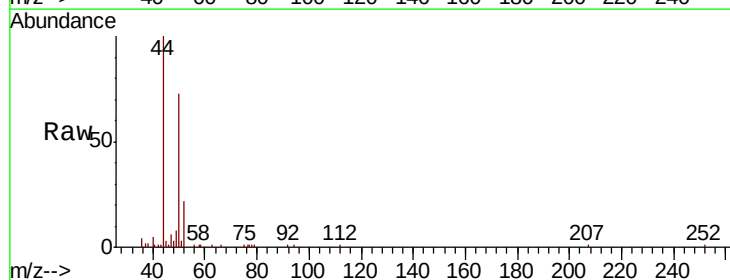
Acq: 02 Oct 2019 12:45

Tgt Ion: 50 Resp: 17804

Ion Ratio Lower Upper

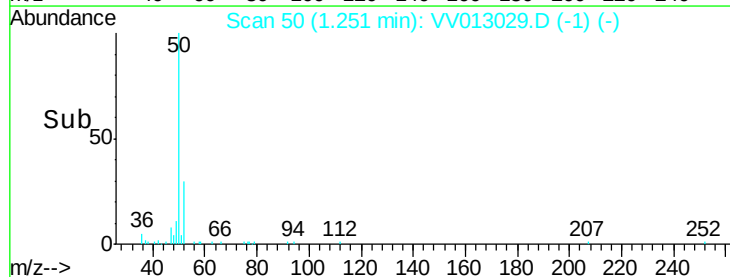
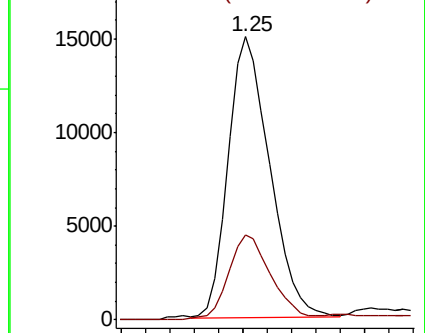
50 100

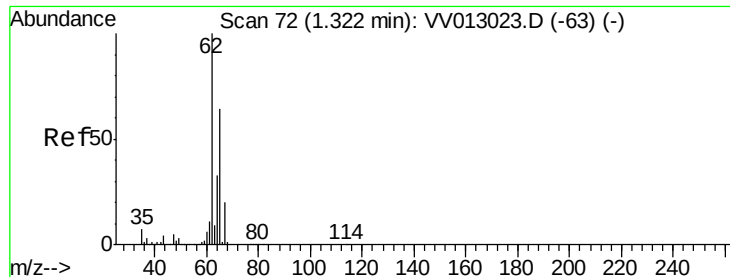
52 30.2 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 1.926 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 62 Resp: 18268

Ion Ratio Lower Upper

62 100

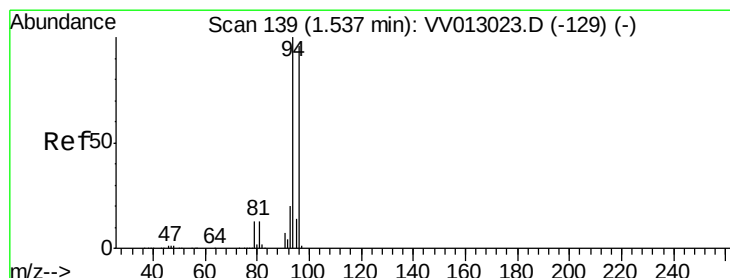
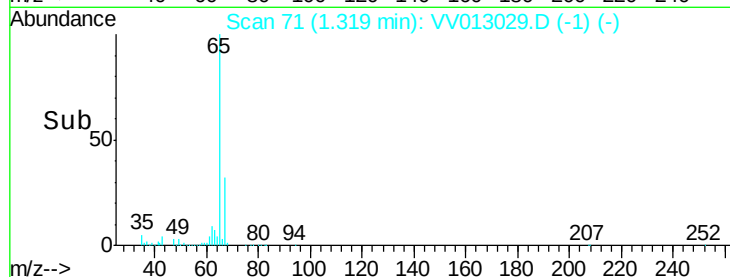
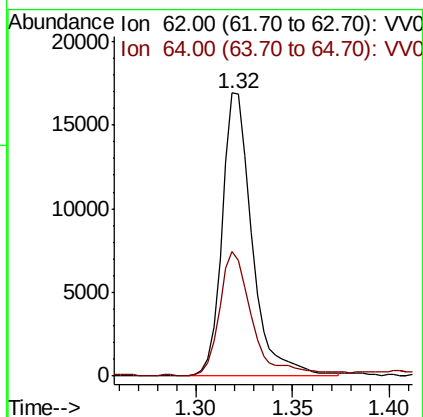
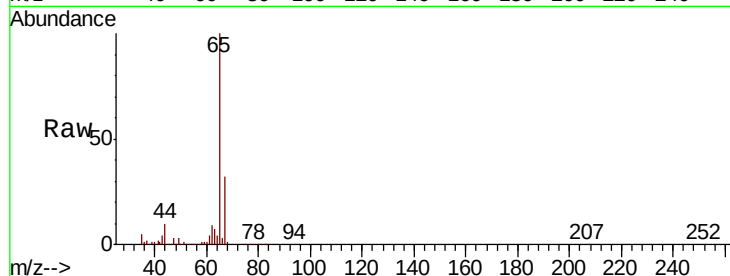
64 44.2 23.1 42.9#

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#6

Bromomethane

Concen: 2.192 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013029.D

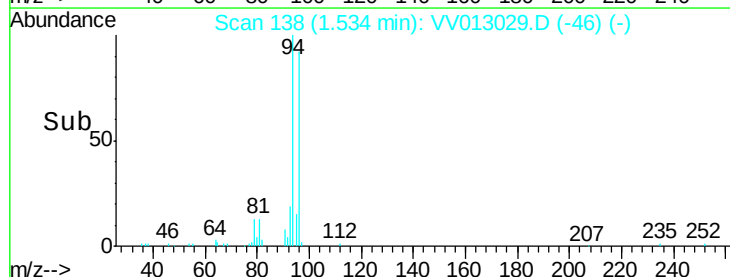
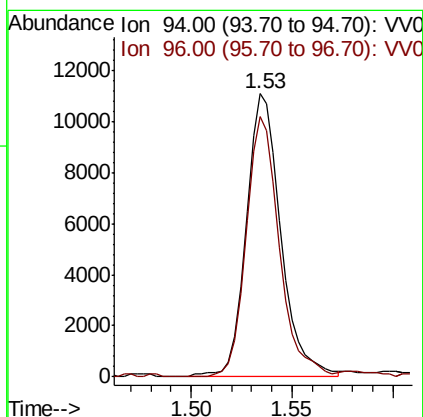
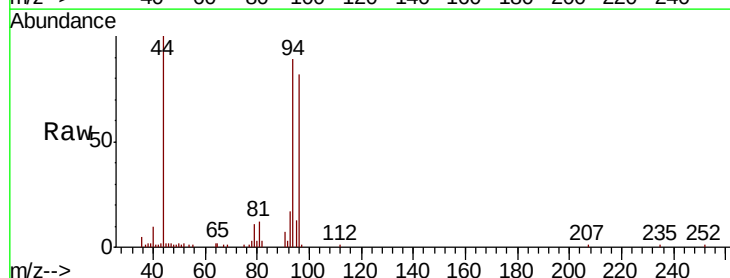
Acq: 02 Oct 2019 12:45

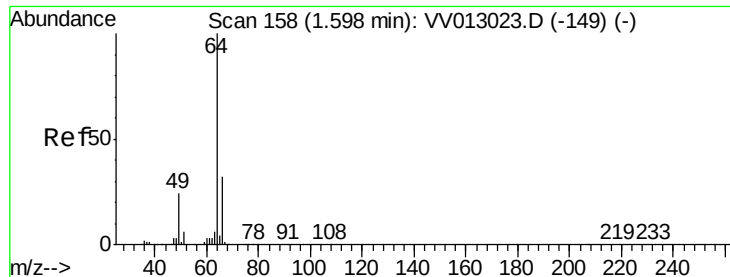
Tgt Ion: 94 Resp: 13357

Ion Ratio Lower Upper

94 100

96 91.8 67.4 125.2





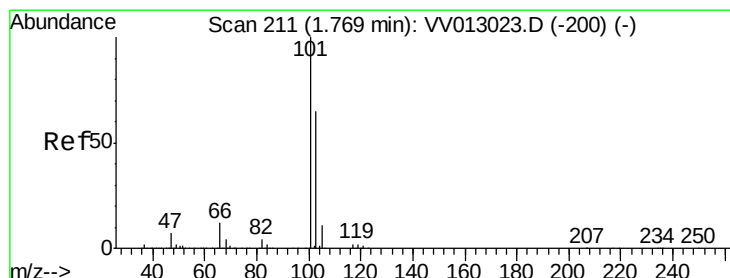
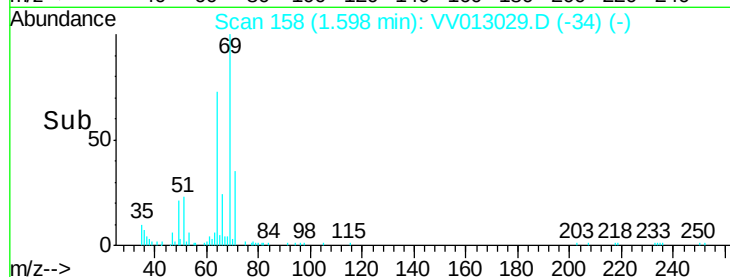
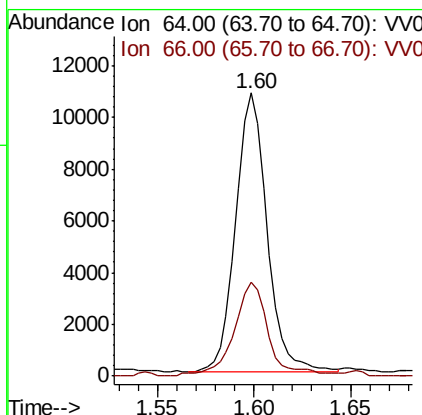
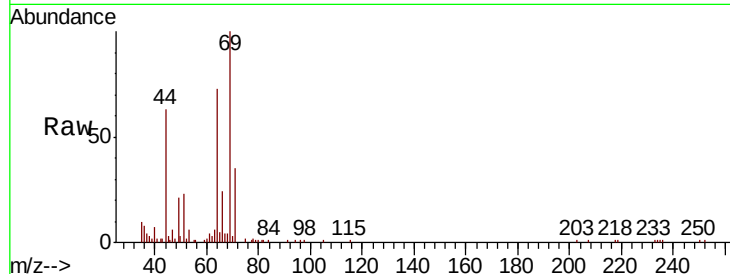
#8
Chloroethane
Concen: 2.035 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013029.D
Acq: 02 Oct 2019 12:45

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion: 64 Resp: 12204
Ion Ratio Lower Upper
64 100
66 33.1 22.8 42.4

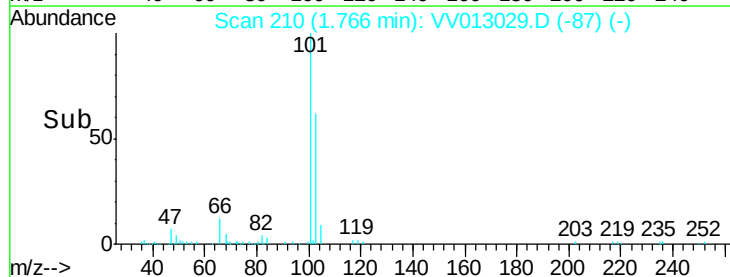
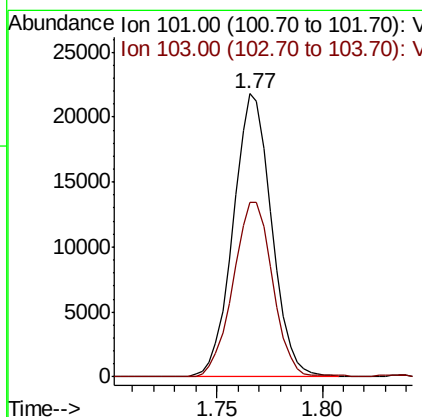
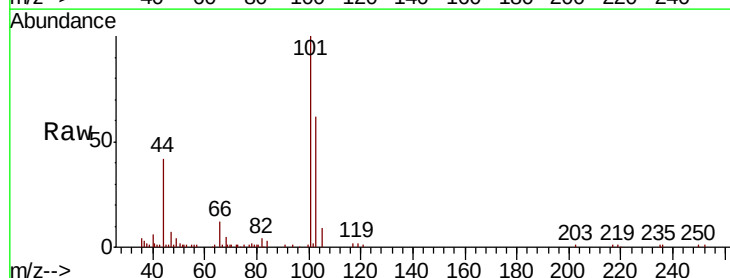
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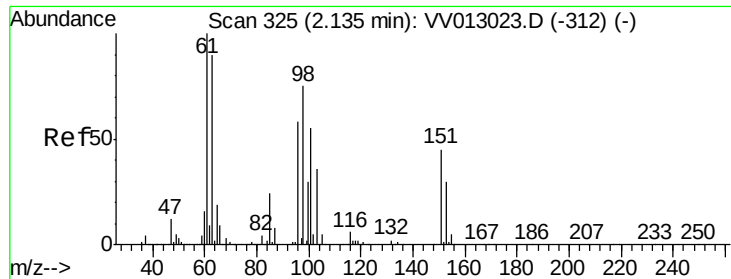
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#9
Trichlorofluoromethane
Concen: 2.141 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV013029.D
Acq: 02 Oct 2019 12:45

Tgt Ion: 101 Resp: 27507
Ion Ratio Lower Upper
101 100
103 63.5 52.2 78.2





#10

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

Concen: 2.335 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Instrument :

MSVOA_V

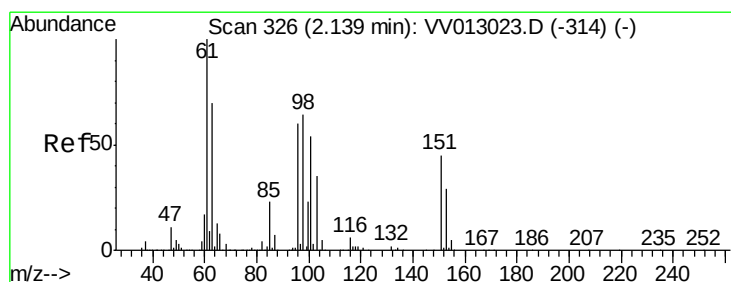
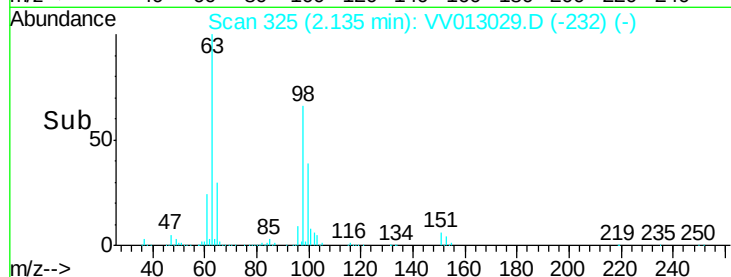
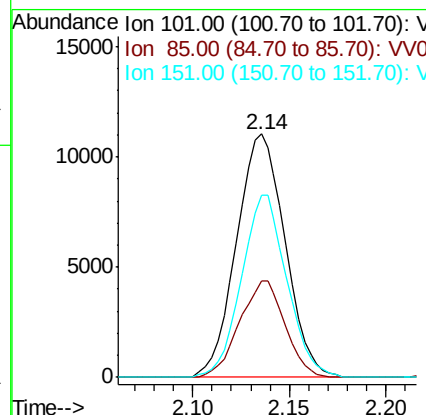
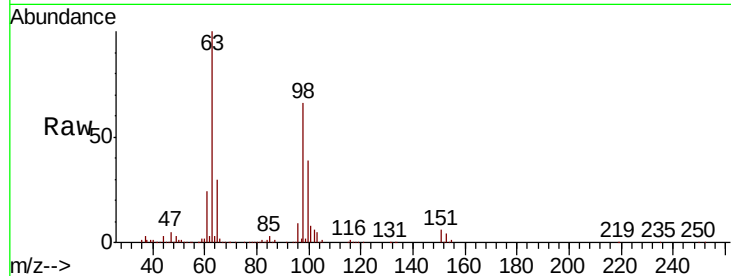
ClientSampleId :

MDL05

Tot Ion:	101	Resp:	19235
Ion Ratio	Lower	Upper	
101	100		
85	37.1	33.6	50.4
151	70.2	66.9	100.3

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#12

1,1-Dichloroethene

Concen: 2.240 ug/L

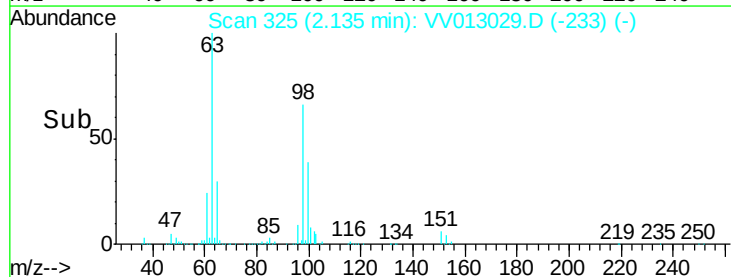
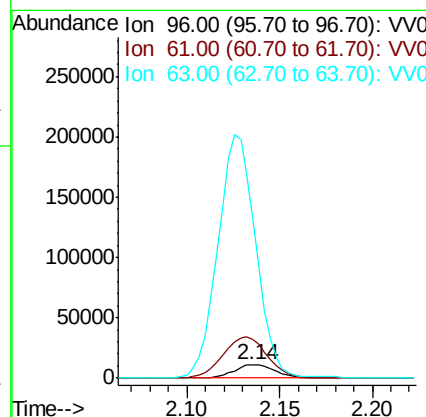
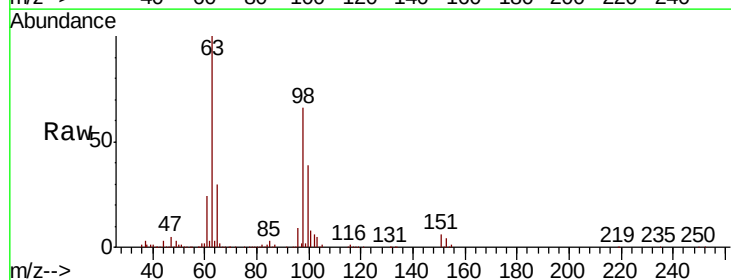
RT: 2.14 min Scan# 325

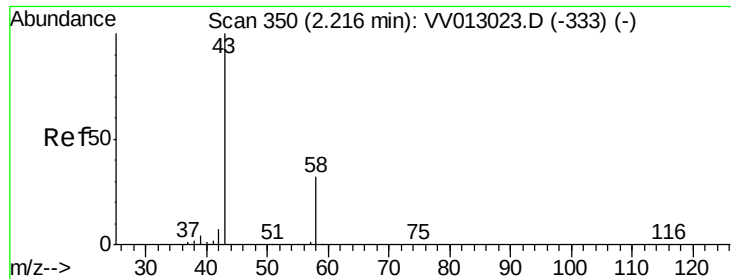
Delta R.T. -0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Tgt Ion:	96	Resp:	17327
Ion Ratio	Lower	Upper	
96	100		
61	280.2	117.7	218.7#
63	1155.0	90.4	168.0#





#13

Acetone

Concen: 4.967 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 17851

Ion Ratio Lower Upper

43 100

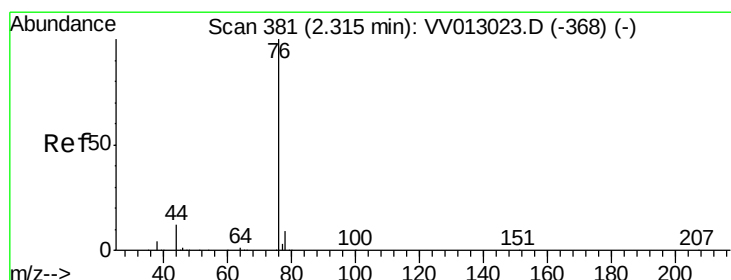
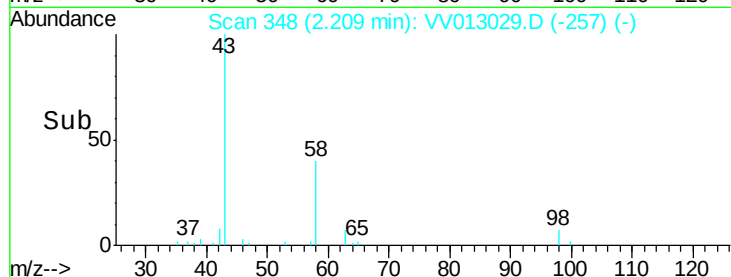
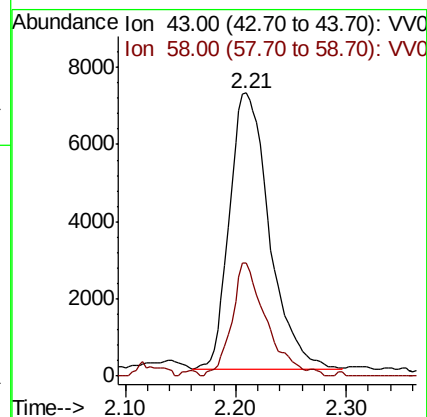
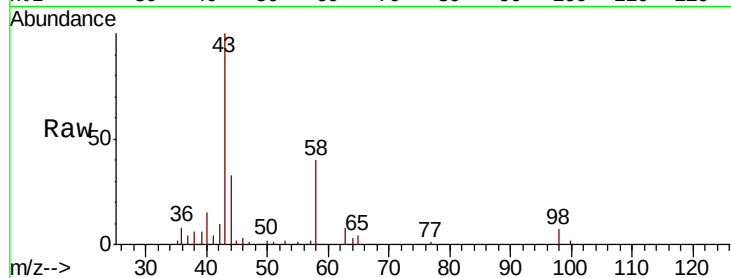
58 32.6 0.0 65.2

Manual Integrations

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#14

Carbon disulfide

Concen: 1.950 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013029.D

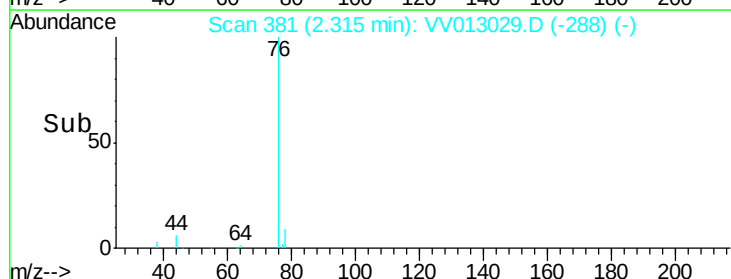
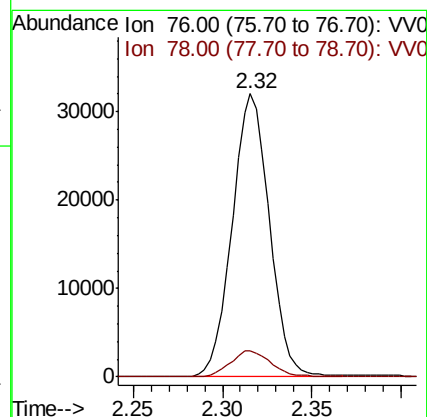
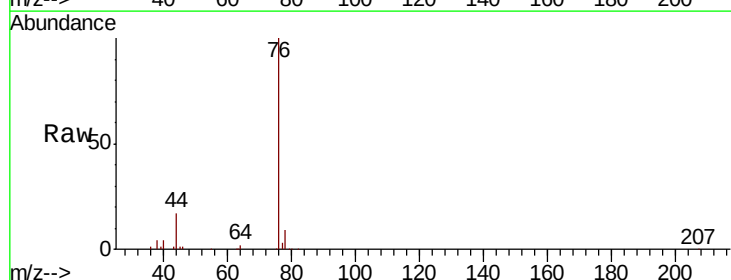
Acq: 02 Oct 2019 12:45

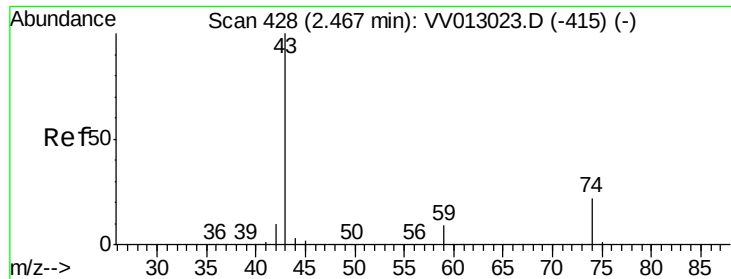
Tgt Ion: 76 Resp: 46307

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7





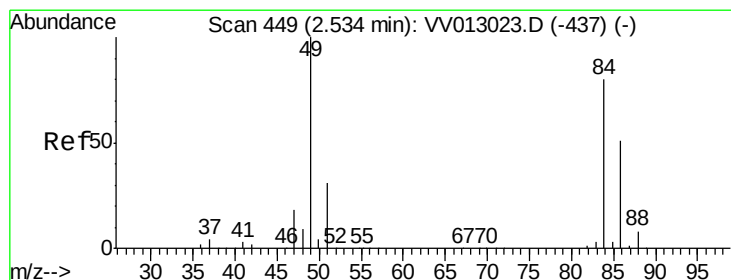
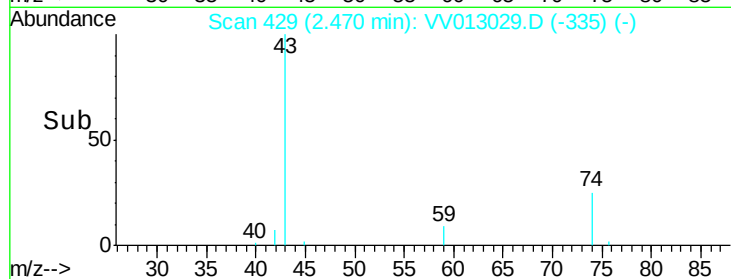
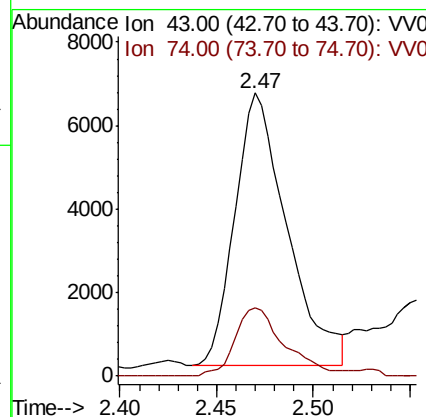
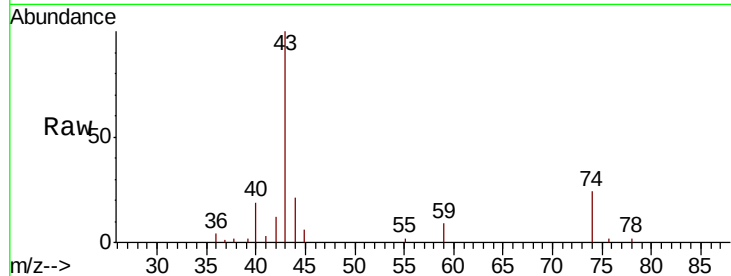
#15
Methvl Acetate
Concen: 2.203 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV013029.D
Acq: 02 Oct 2019 12:45

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion: 43 Resp: 12216
Ion Ratio Lower Upper
43 100
74 23.9 18.5 27.7

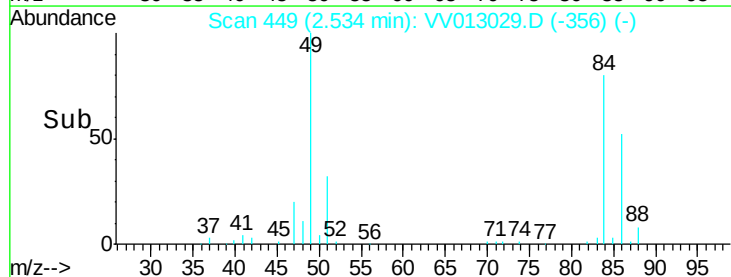
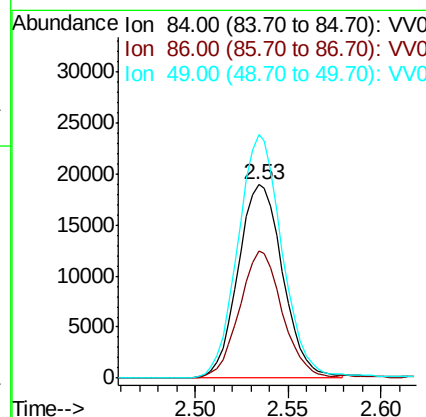
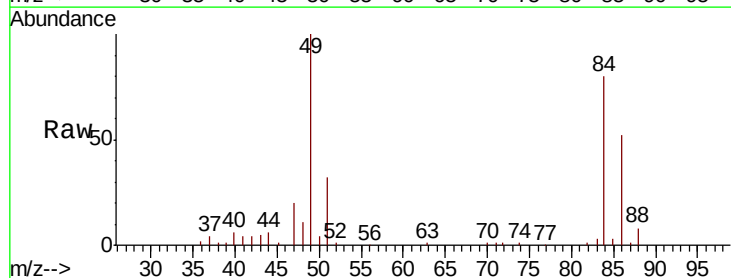
Manual Integrations
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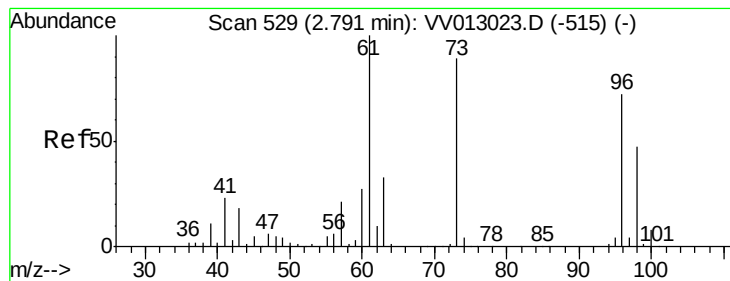
MMDadoda
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#16
Methylene chloride
Concen: 2.875 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013029.D
Acq: 02 Oct 2019 12:45

Tgt Ion: 84 Resp: 31786
Ion Ratio Lower Upper
84 100
86 65.8 44.5 82.7
49 125.8 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 2.076 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Instrument :

MSVOA_V

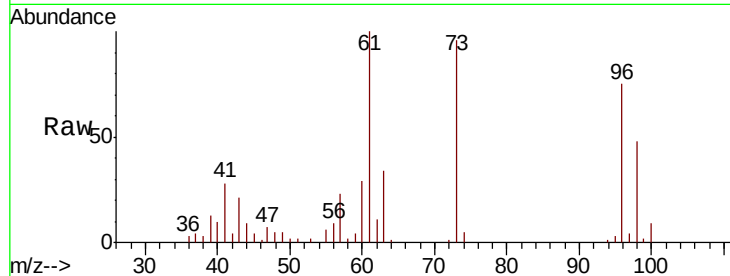
ClientSampled :

MDL05

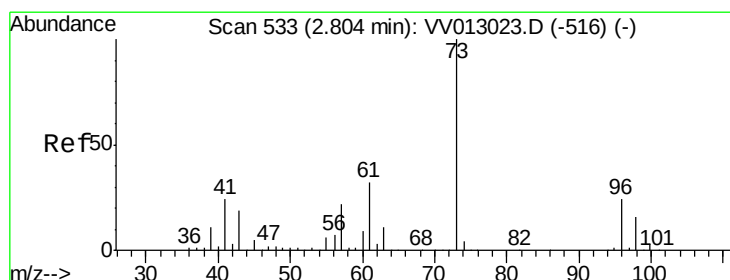
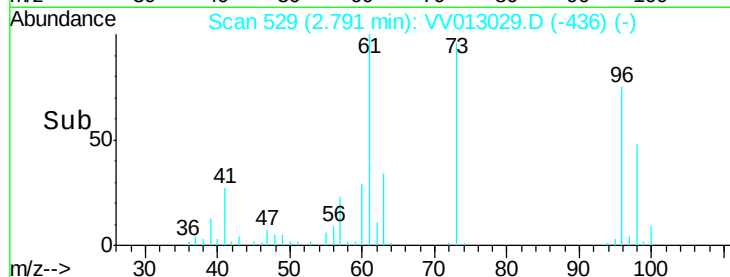
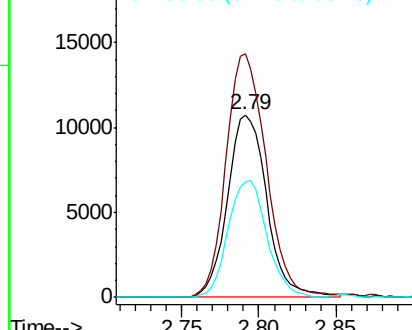
Tot Ion:	96	Resp:	18934
Ion	Ratio	Lower	Upper
96	100		
61	133.5	95.8	177.8
98	63.7	45.1	83.7

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Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 2.103 ug/L

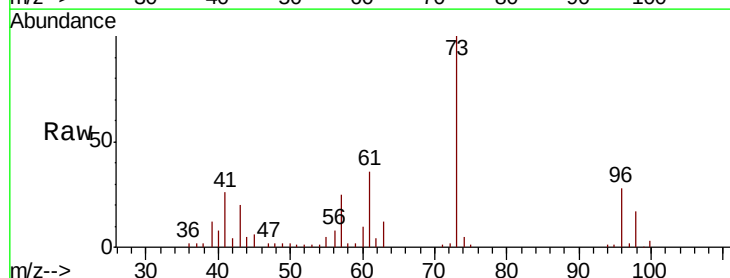
RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

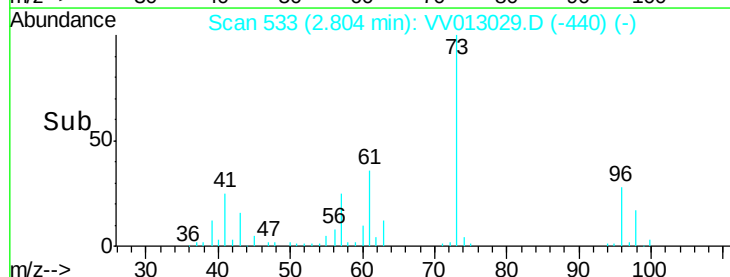
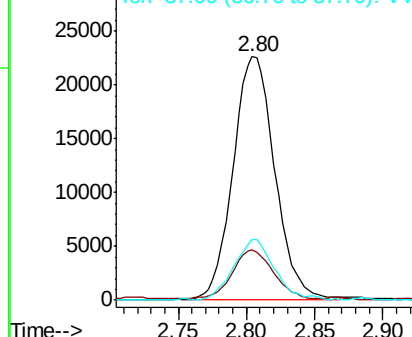
Lab File: VV013029.D

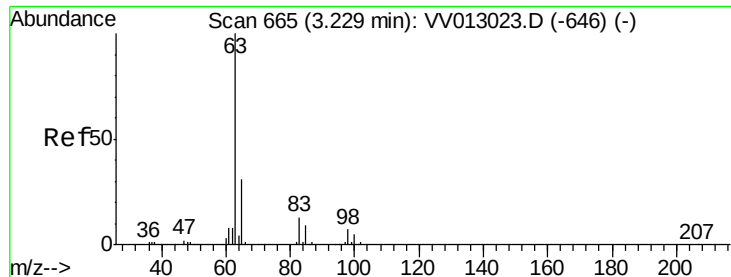
Acq: 02 Oct 2019 12:45

Tgt Ion:	73	Resp:	48248
Ion	Ratio	Lower	Upper
73	100		
43	21.2	15.1	22.7
57	23.7	18.1	27.1



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





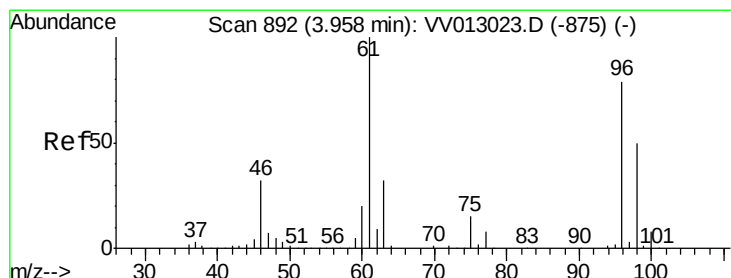
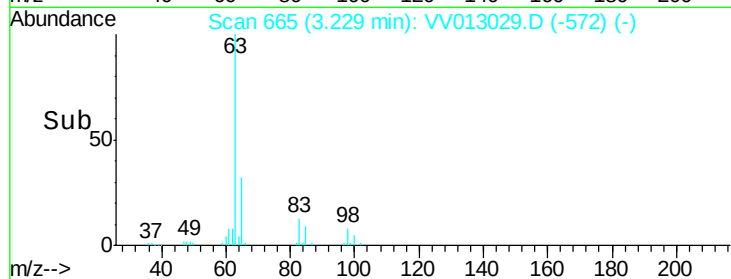
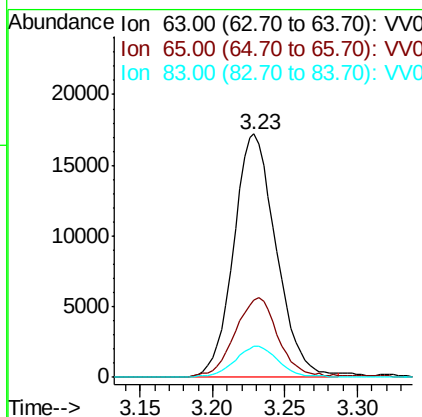
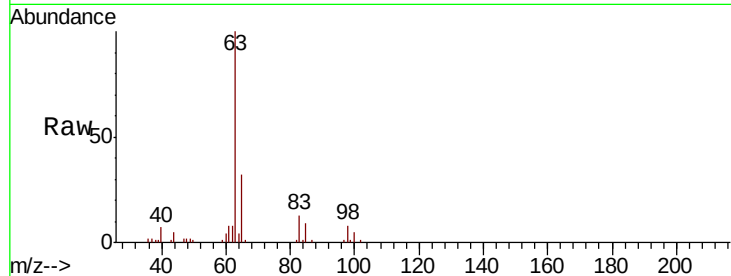
#19
 1,1-Dichloroethane
 Concen: 2.103 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion:	63	Resp:	35204
Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.4	41.6
83	12.5	9.0	16.6

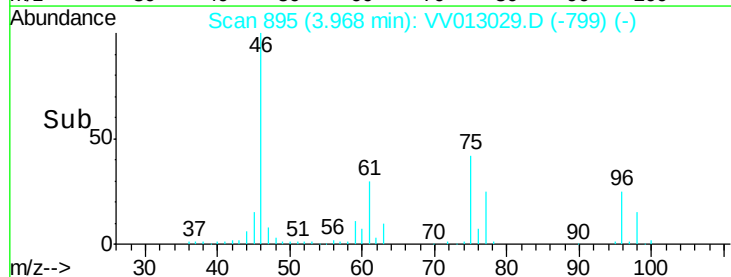
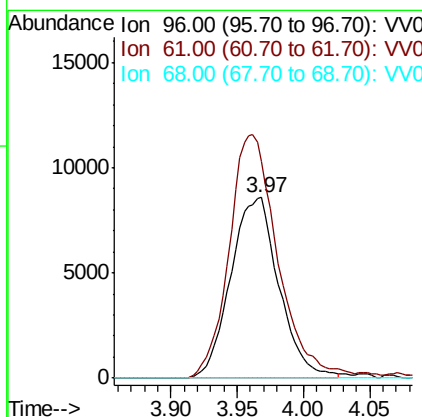
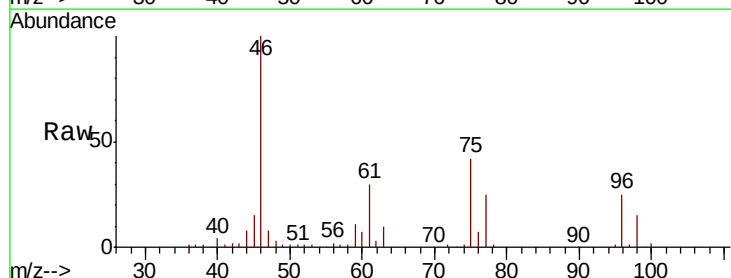
Manual Integrations
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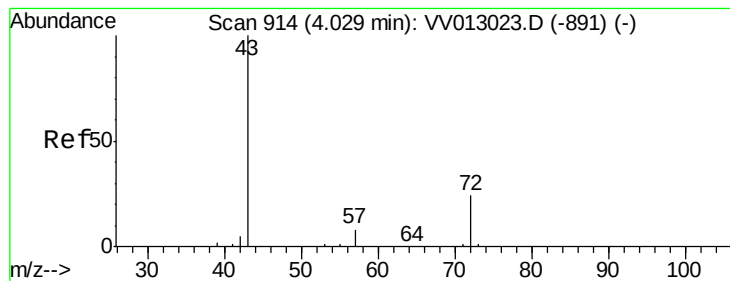
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 2.143 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

Tgt Ion:	96	Resp:	21732
Ion	Ratio	Lower	Upper
96	100		
61	119.9	89.5	166.3
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.741 ug/L m

RT: 4.05 min Scan# 920

Delta R.T. 0.02 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 43 Resp: 14736

Ion Ratio Lower Upper

43 100

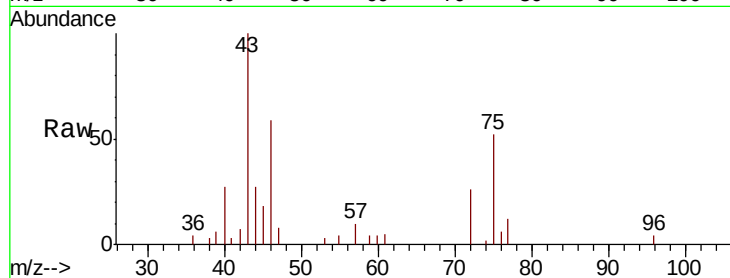
72 9.8 12.0 36.1#

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Abundance Ion 43.00 (42.70 to 43.70): VV013023.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV013023.D (-891) (-)

4.05

4.05

4.05

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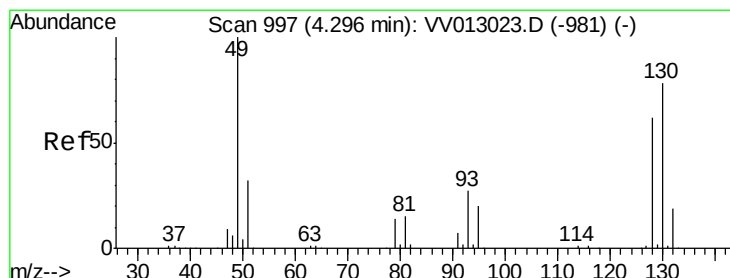
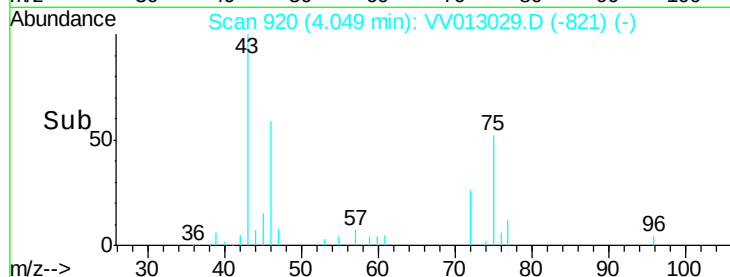
4.05

4.05

4.05

4.05

4.05



#23

Bromochloromethane

Concen: 2.136 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Tgt Ion:128 Resp: 10619

Ion Ratio Lower Upper

128 100

49 157.2 113.6 211.0

130 124.4 88.0 163.4

51 47.5 40.2 60.2

Abundance Ion 128.00 (127.70 to 128.70): VV013029.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV013029.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV013029.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV013029.D (-904) (-)

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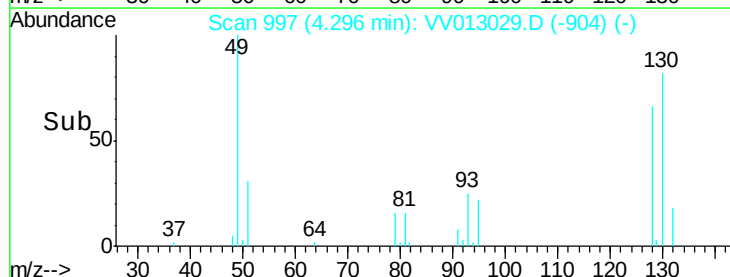
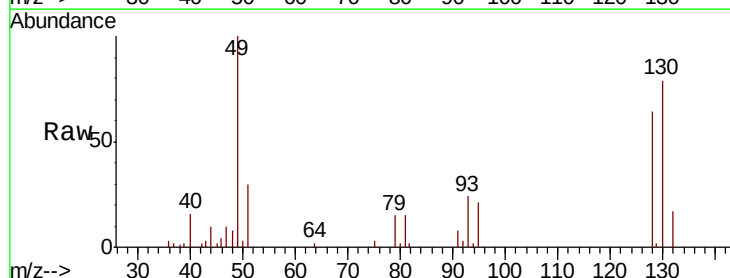
4.30

4.30

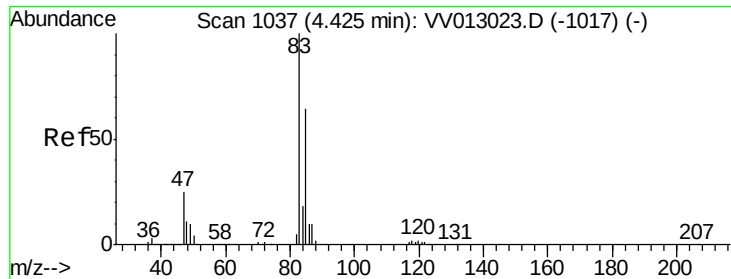
4.30

4.30

4.30



Time-->



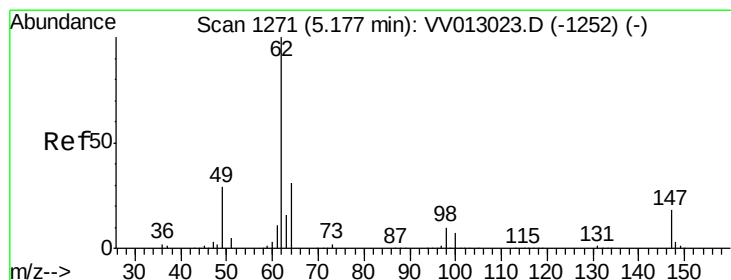
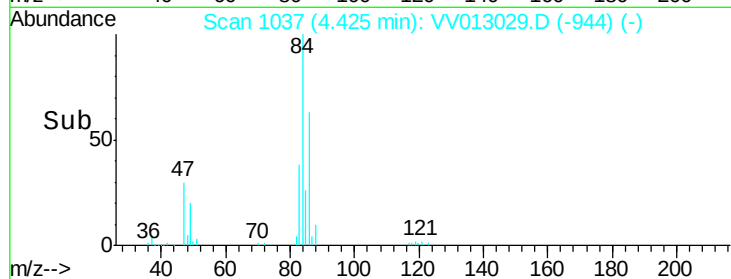
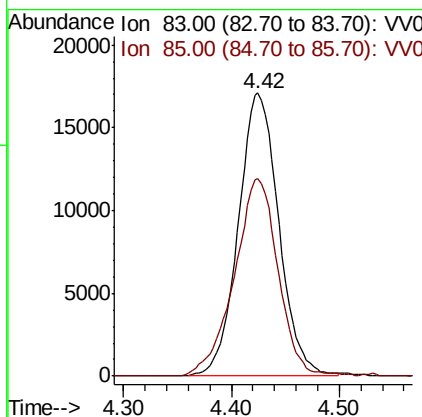
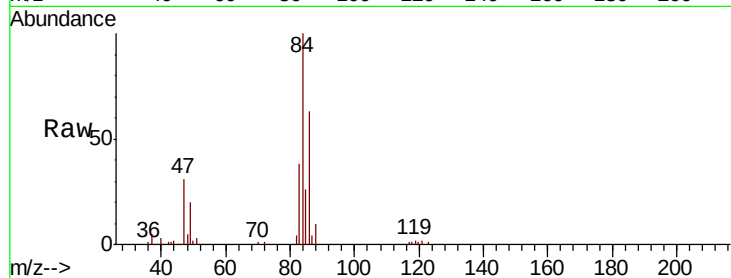
#25
Chloroform
Concen: 2.559 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013029.D
Acq: 02 Oct 2019 12:45

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	83	Resp	44645
Ion Ratio	100	Lower	Upper
85	69.8	44.7	82.9

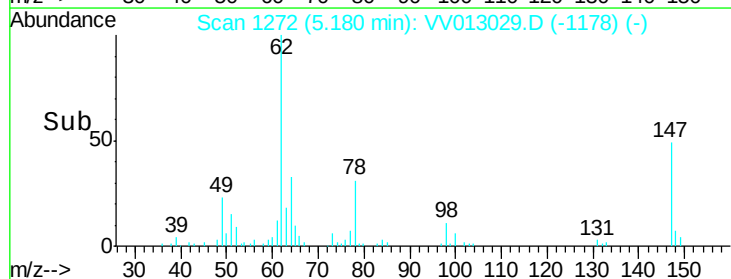
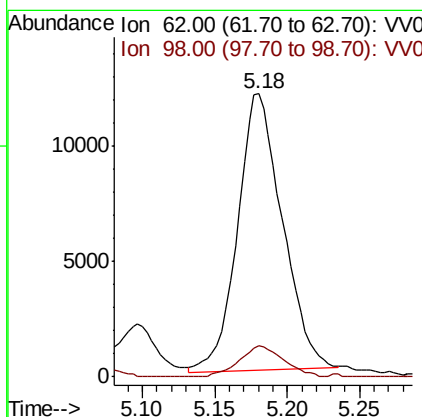
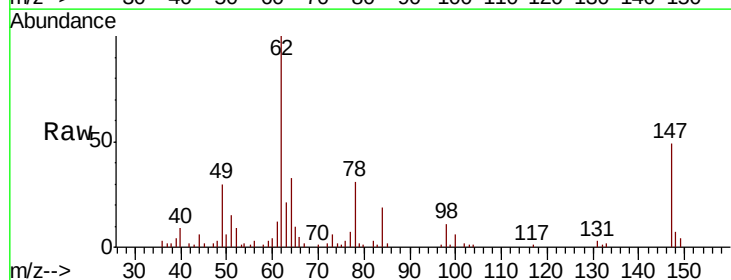
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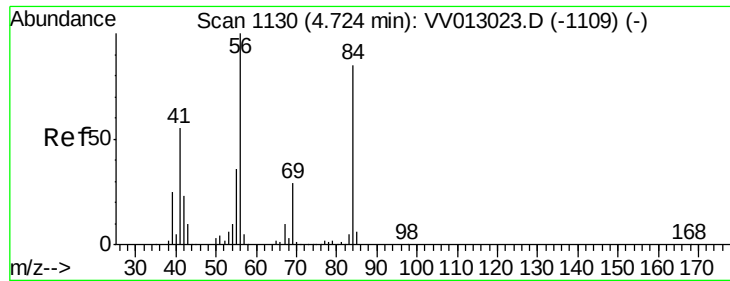
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.144 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV013029.D
Acq: 02 Oct 2019 12:45

Tgt Ion	62	Resp	25719
Ion Ratio	100	Lower	Upper
98	11.1	8.5	12.7





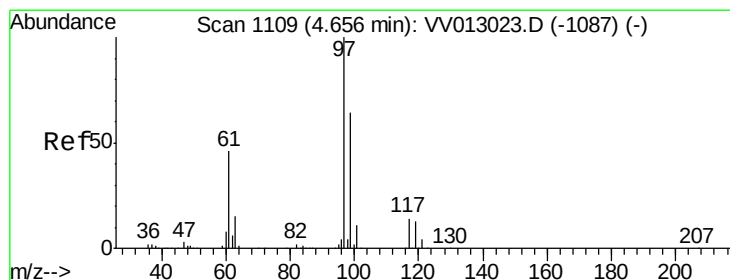
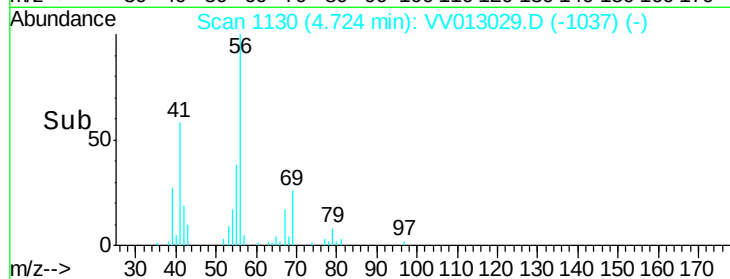
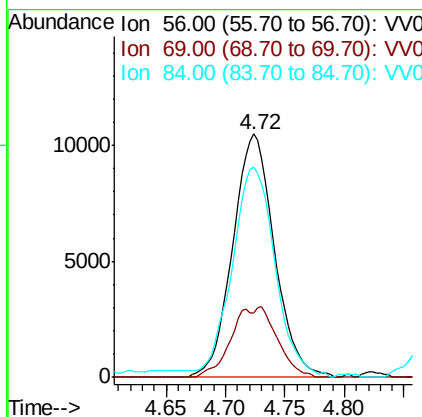
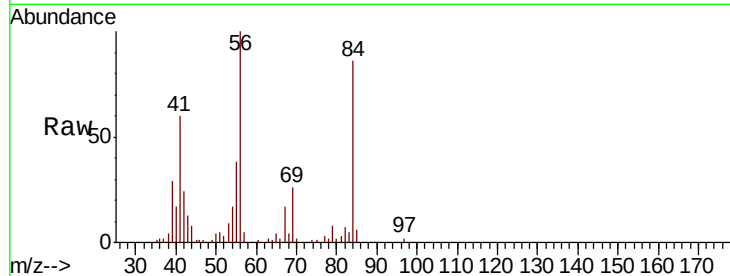
#29
Cyclohexane
Concen: 1.683 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013029.D
Acq: 02 Oct 2019 12:45

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
56	100		
69	14.5	24.2	36.4#
84	86.4	69.6	104.4

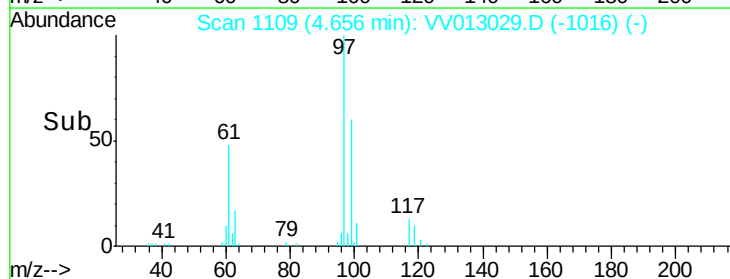
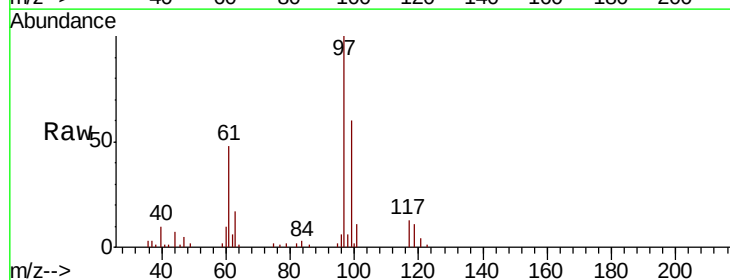
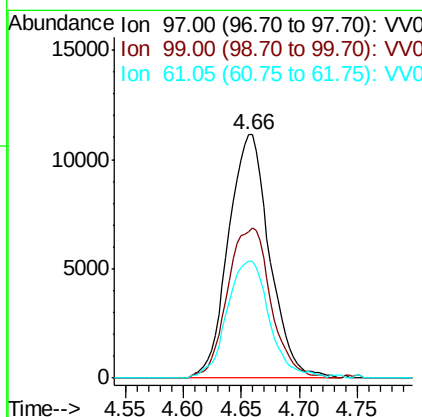
Manual Integrations
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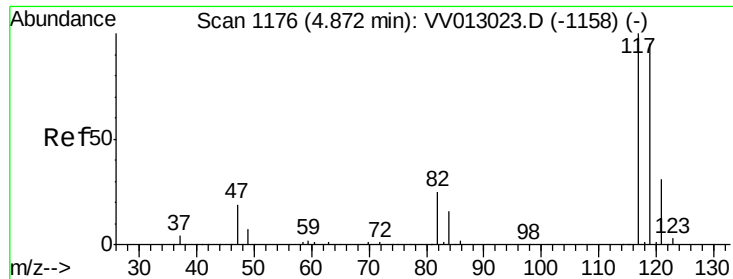
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#30
1,1,1-Trichloroethane
Concen: 1.956 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013029.D
Acq: 02 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.7	77.5
61	48.8	36.1	54.1





#31

Carbon tetrachloride

Concen: 1.924 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion:117 Resp: 24301

Ion Ratio Lower Upper

117 100

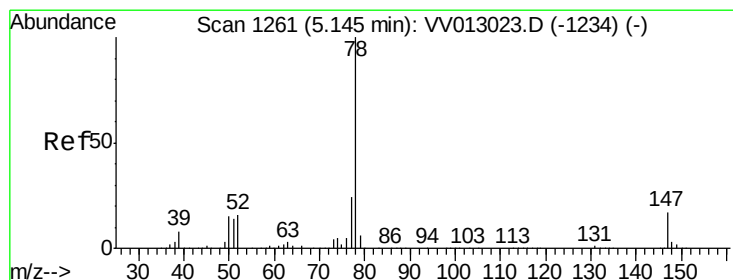
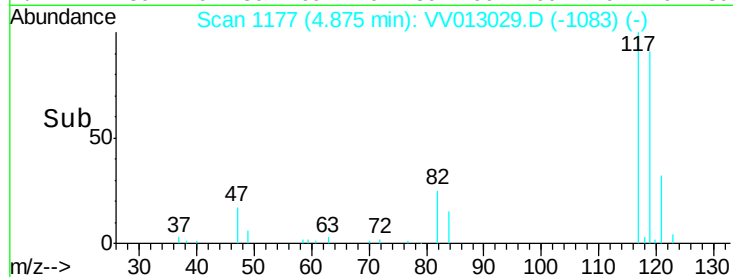
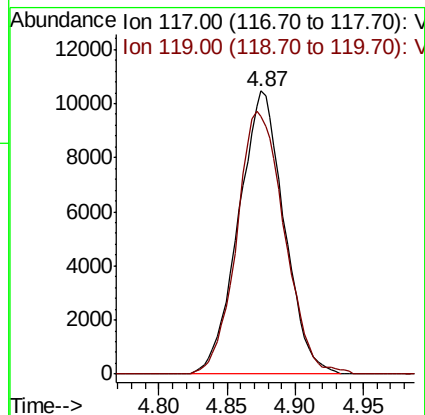
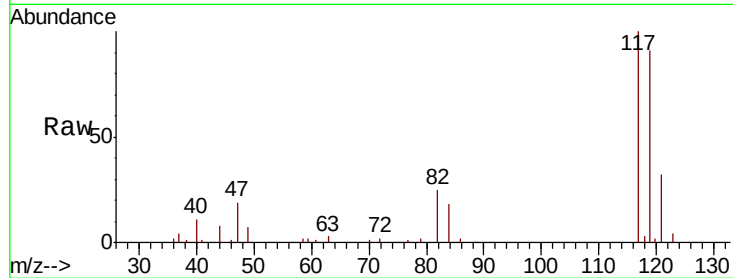
119 96.3 76.1 114.1

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#33

Benzene

Concen: 2.068 ug/L

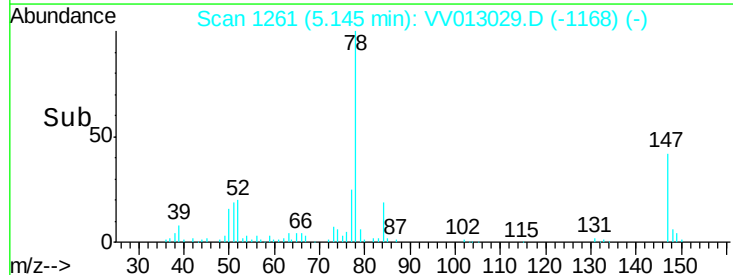
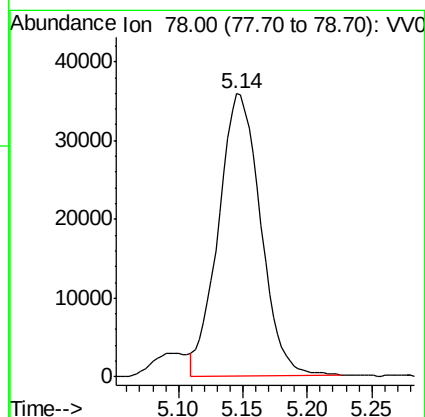
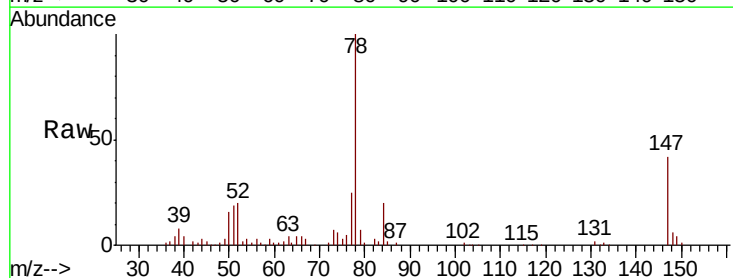
RT: 5.14 min Scan# 1261

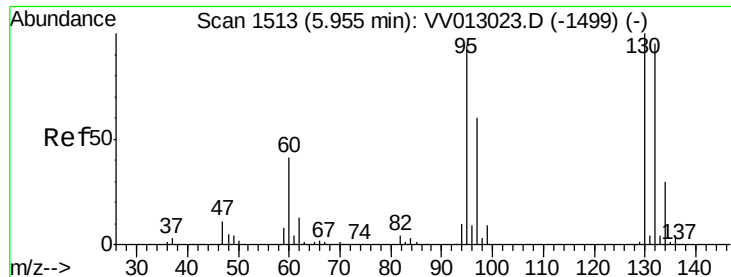
Delta R.T. 0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Tgt Ion: 78 Resp: 81234





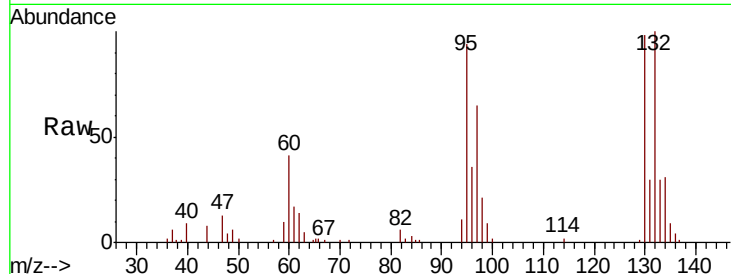
#34
 Trichloroethene
 Concen: 2.124 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

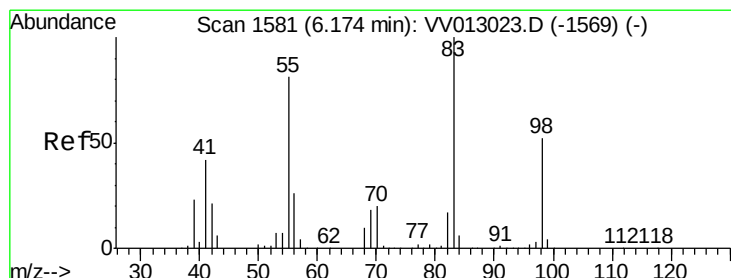
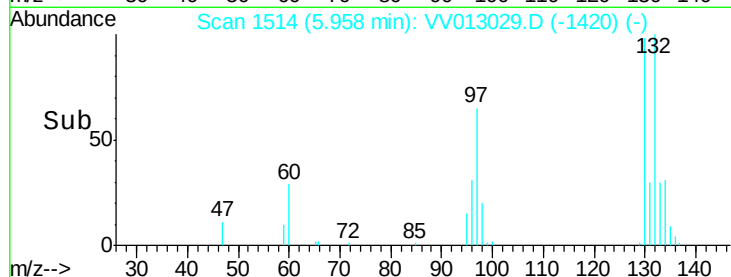
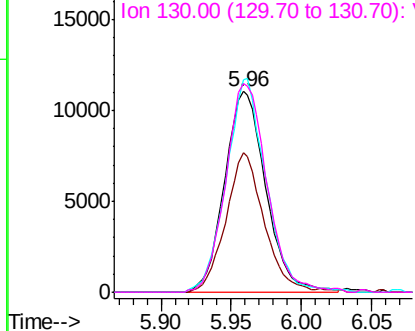
Tot Ion	95	Resp	22605
Ion	Ratio	Lower	Upper
95	100		
97	69.4	45.4	84.2
132	106.4	70.1	130.3
130	104.1	72.4	134.4

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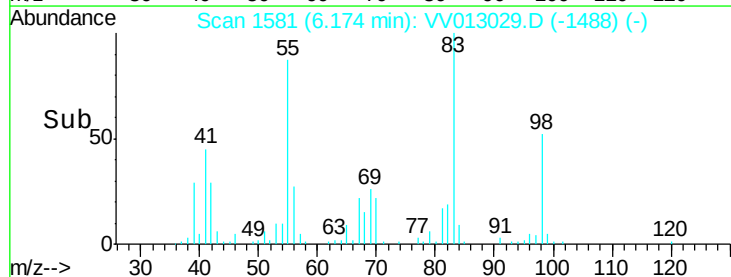
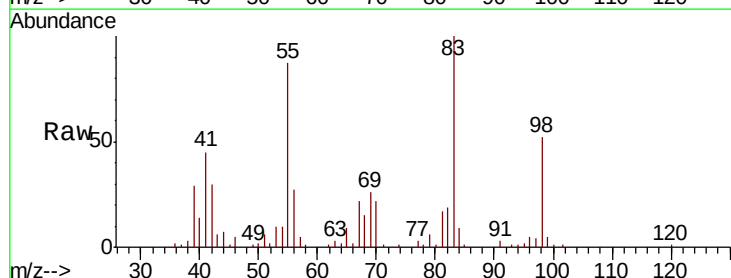
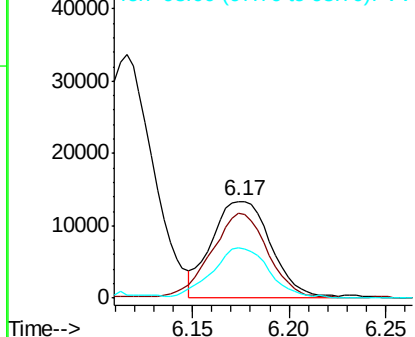
Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

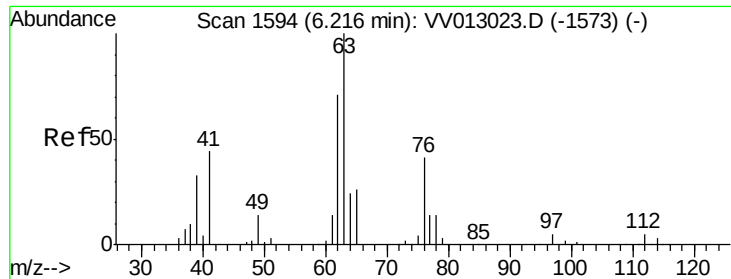


#35
 Methylcyclohexane
 Concen: 1.698 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

Tgt Ion	83	Resp	28359
Ion	Ratio	Lower	Upper
83	100		
55	85.0	61.9	92.9
98	47.8	40.0	60.0

Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





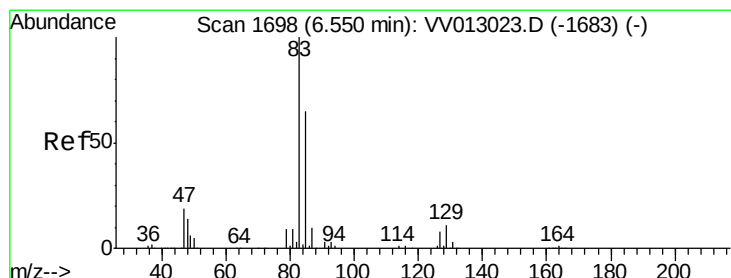
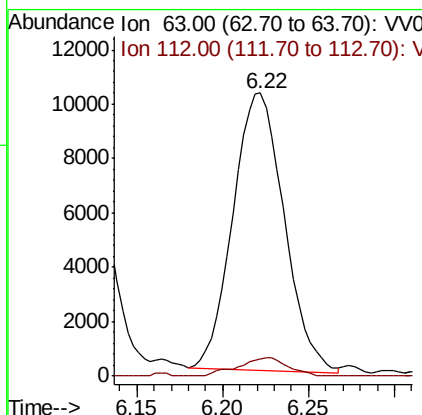
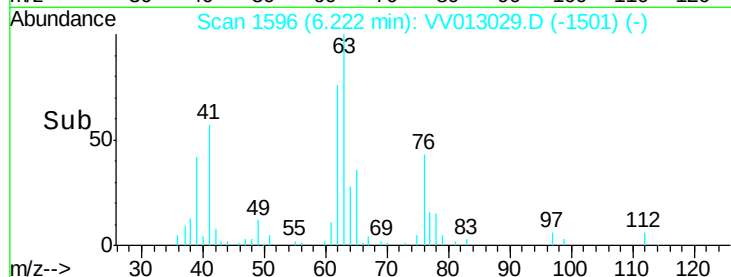
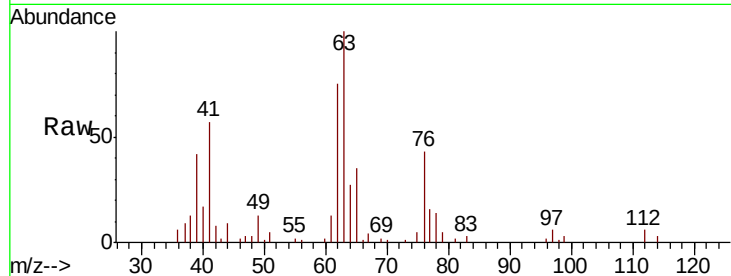
#37
 1,2-Dichloropropane
 Concen: 2.095 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tot Ion: 63 Resp: 21114
 Ion Ratio Lower Upper
 63 100
 112 5.7 3.8 5.8

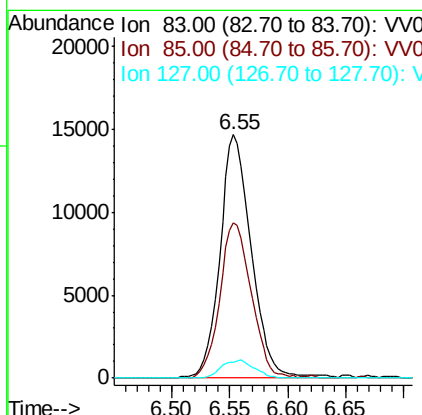
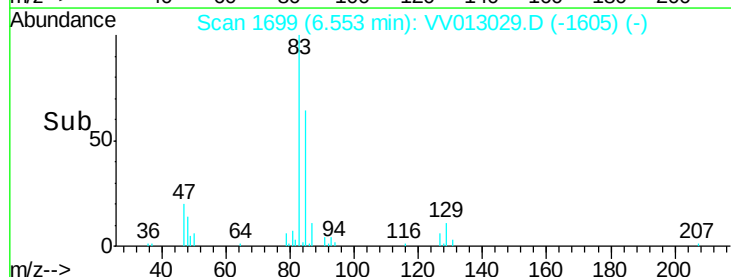
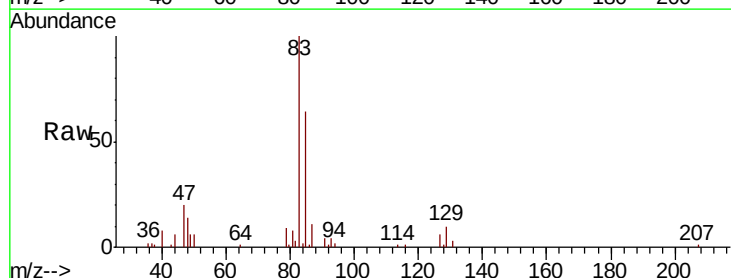
Manual Integrations
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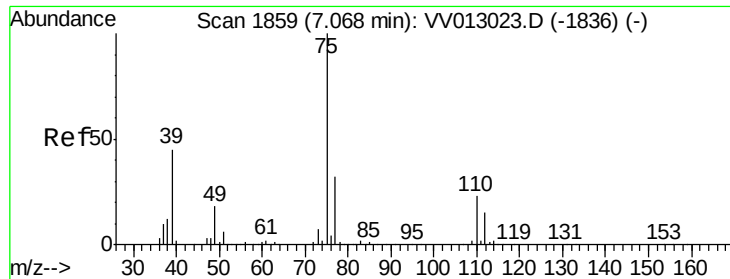
MMDadoda
 10/9/2019 3:10:51 PM



#38
 Bromodichloromethane
 Concen: 2.103 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

Tgt Ion: 83 Resp: 27675
 Ion Ratio Lower Upper
 83 100
 85 63.7 43.9 81.5
 127 6.3 7.0 10.6#





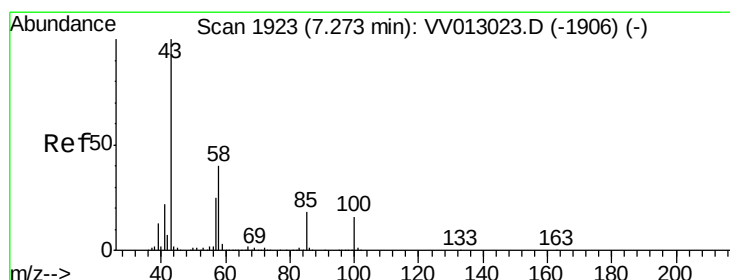
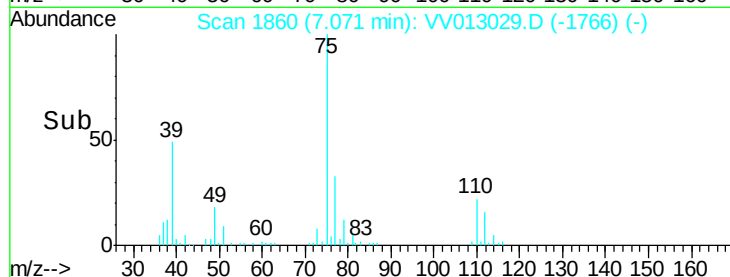
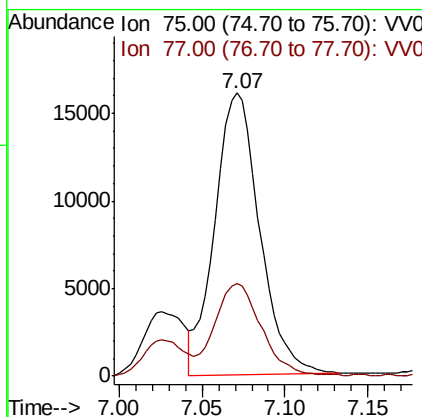
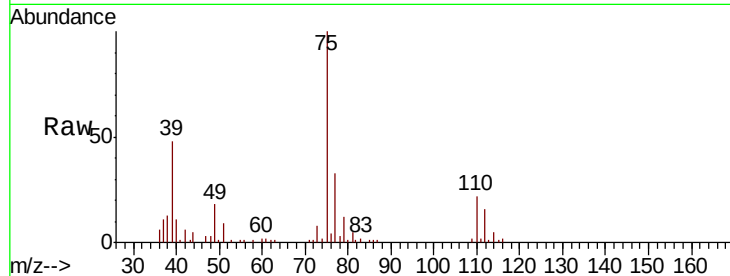
#39
 cis-1,3-Dichloropropene
 Concen: 1.988 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	21.8	40.4

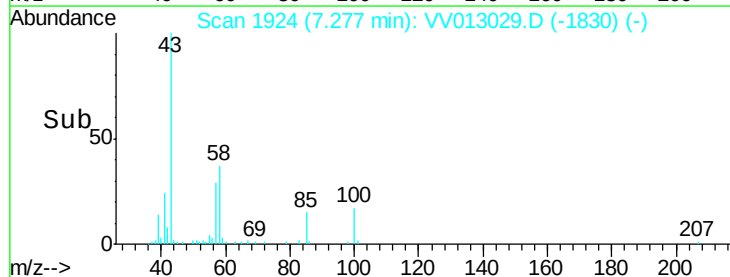
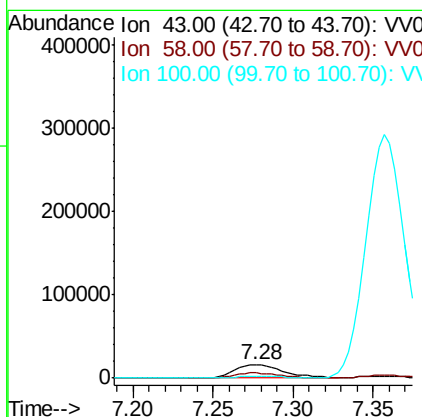
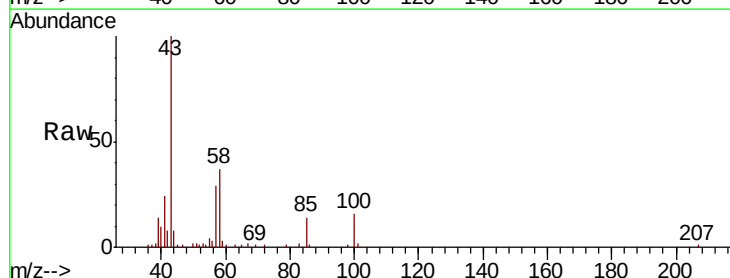
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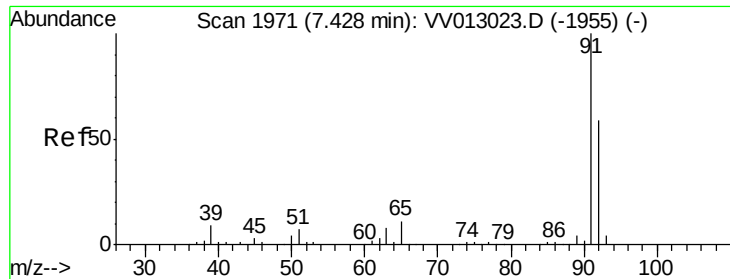
MMDadoda
 10/9/2019 3:10:51 PM



#40
 4-Methyl-2-pentanone
 Concen: 4.196 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.1	31.8	47.8
100	14.6	12.8	19.2





#42

Toluene

Concen: 2.139 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion: 91 Resp: 89348

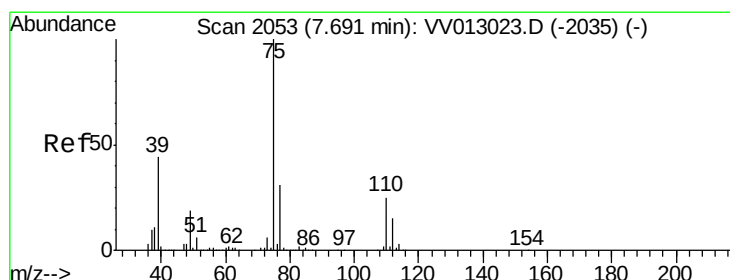
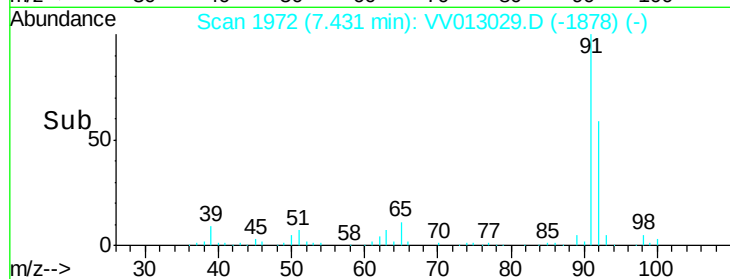
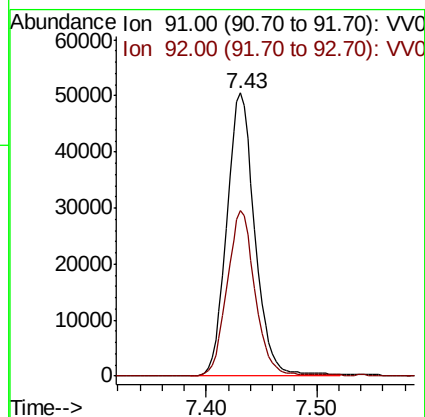
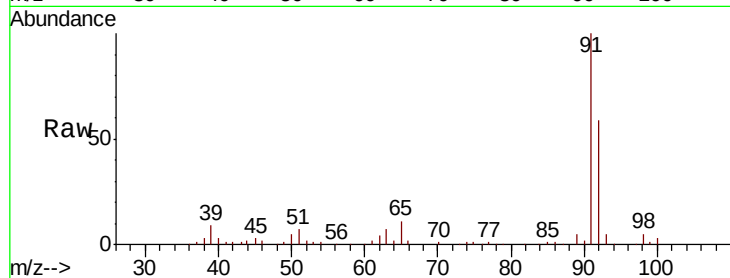
Ion Ratio Lower Upper

91 100

92 58.6 41.1 76.3

Manual Integrations
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#44

trans-1,3-Dichloropropene

Concen: 2.064 ug/L m

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV013029.D

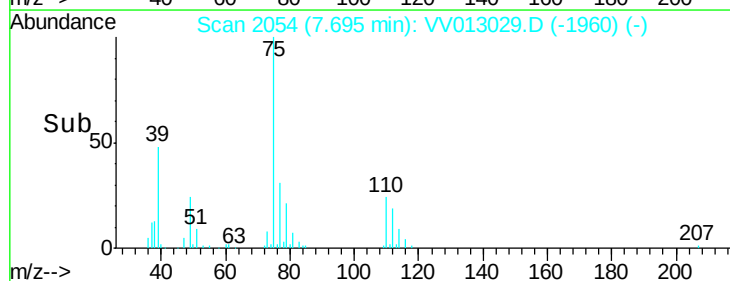
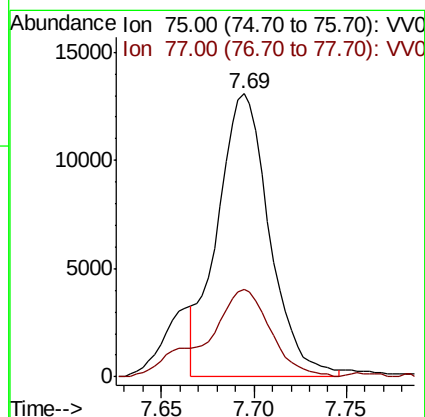
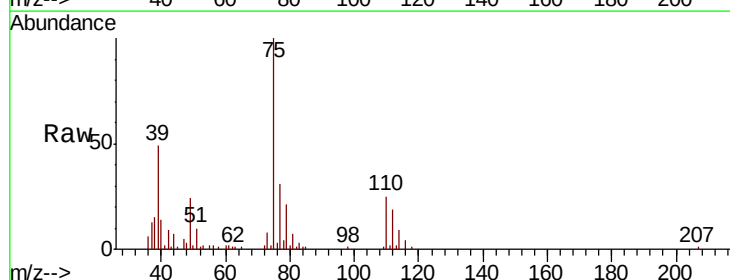
Acq: 02 Oct 2019 12:45

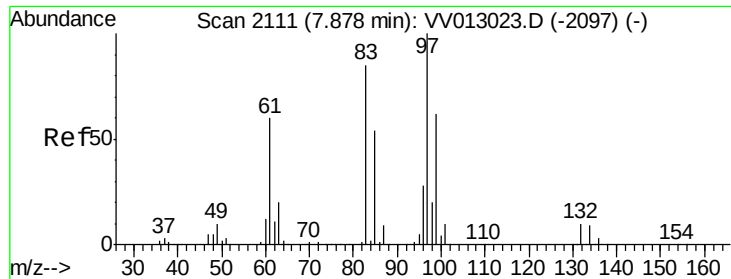
Tgt Ion: 75 Resp: 25724

Ion Ratio Lower Upper

75 100

77 30.7 22.1 41.1





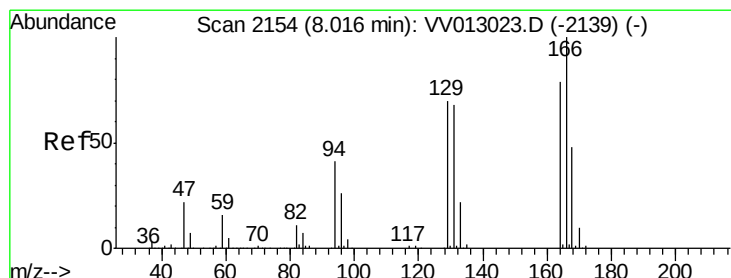
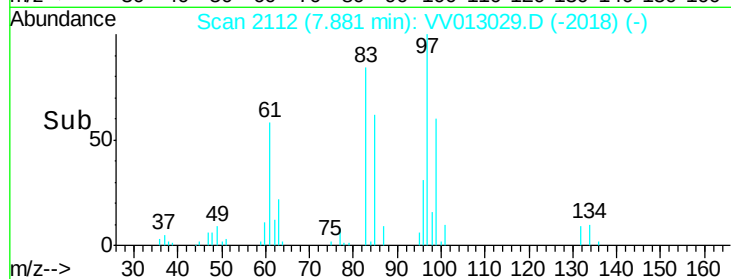
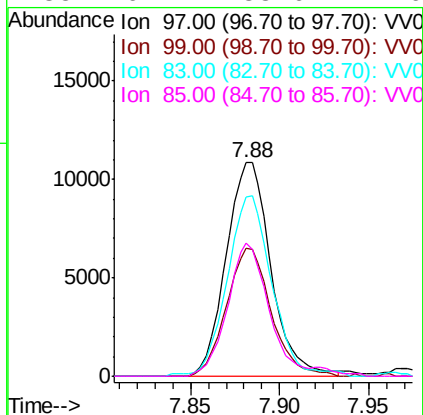
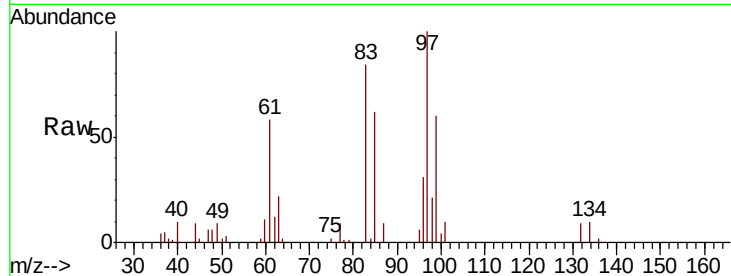
#45
1,1,2-Trichloroethane
Concen: 2.220 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV013029.D
Acq: 02 Oct 2019 12:45

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion:	97	Resp:	18981
Ion	Ratio	Lower	Upper
97	100		
99	59.7	44.2	82.2
83	83.6	59.7	110.9
85	62.1	38.6	71.6

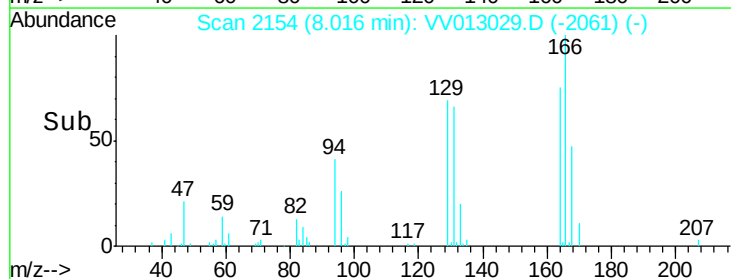
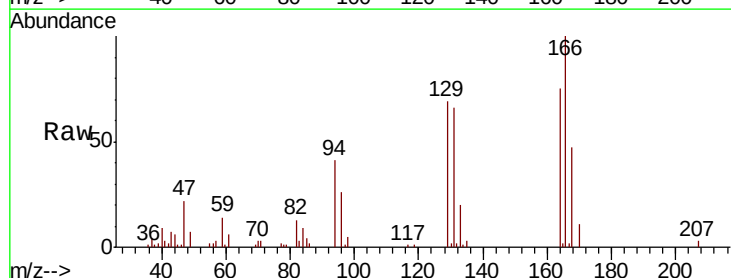
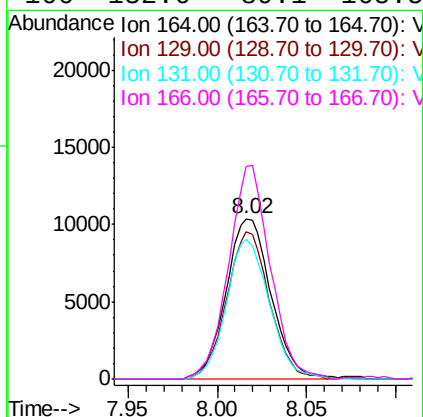
Manual Integrations
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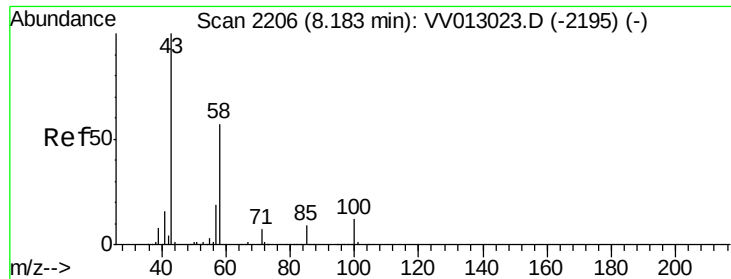
MMDadoda
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#46
Tetrachloroethene
Concen: 2.062 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013029.D
Acq: 02 Oct 2019 12:45

Tgt Ion:	164	Resp:	18158
Ion	Ratio	Lower	Upper
164	100		
129	91.8	61.2	113.6
131	86.9	59.9	111.3
166	132.6	89.1	165.5





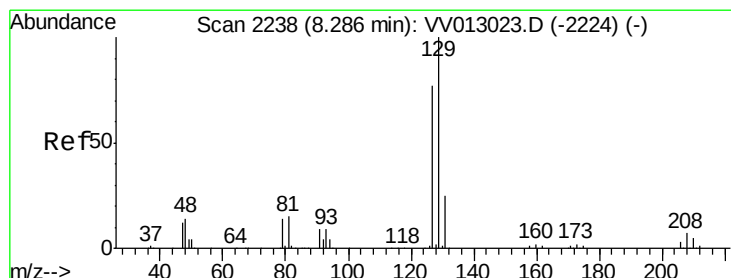
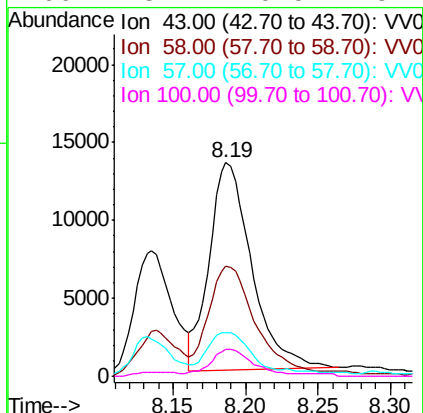
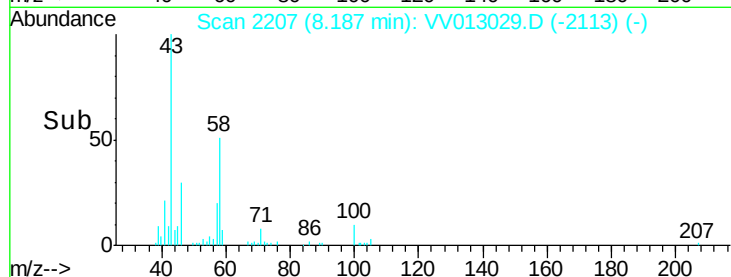
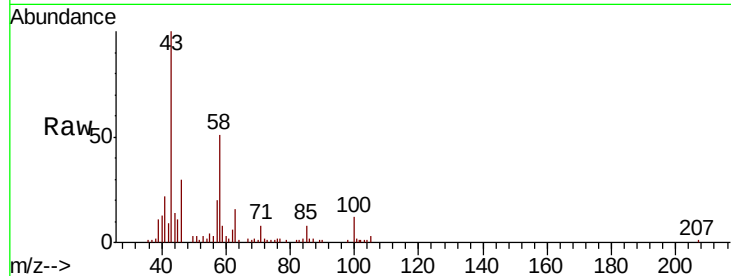
#48
2-Hexanone
Concen: 4.662 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV013029.D
Acq: 02 Oct 2019 12:45

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	55.4	44.9	67.3	
57	18.8	15.2	22.8	
100	13.1	10.5	15.7	

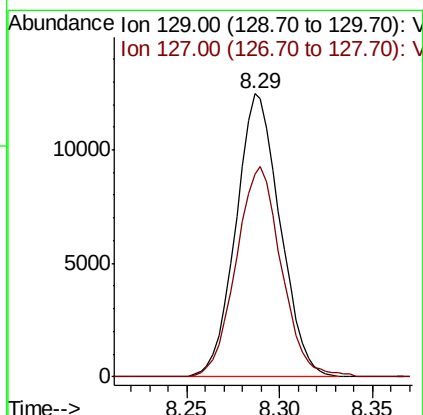
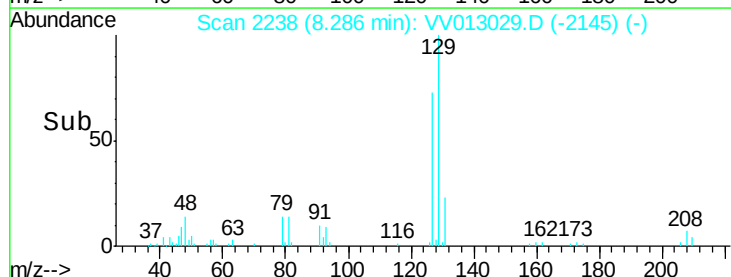
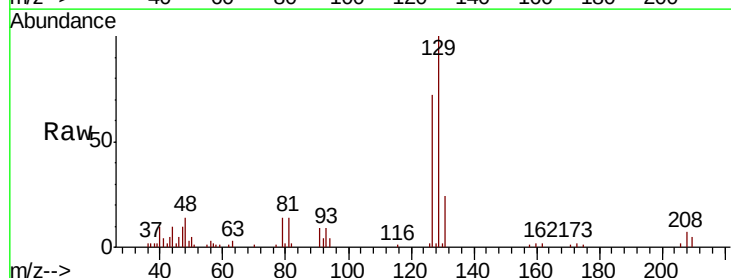
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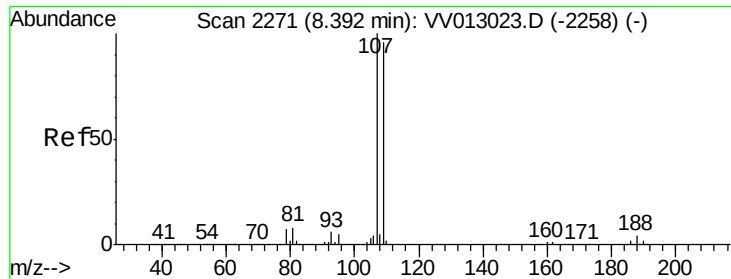
MMDadoda
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#49
Dibromochloromethane
Concen: 2.116 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013029.D
Acq: 02 Oct 2019 12:45

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	71.6	53.9	100.1	





#50

1,2-Dibromoethane

Concen: 2.160 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Instrument :

MSVOA_V

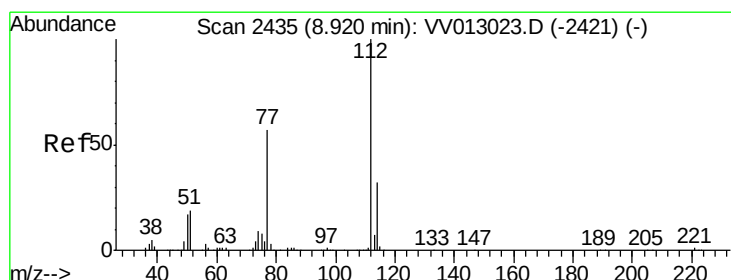
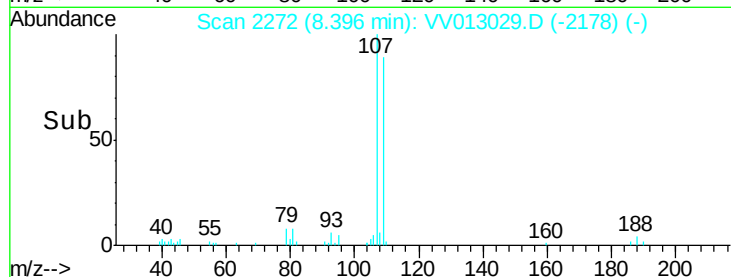
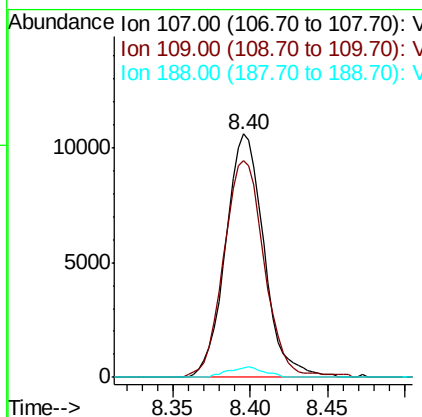
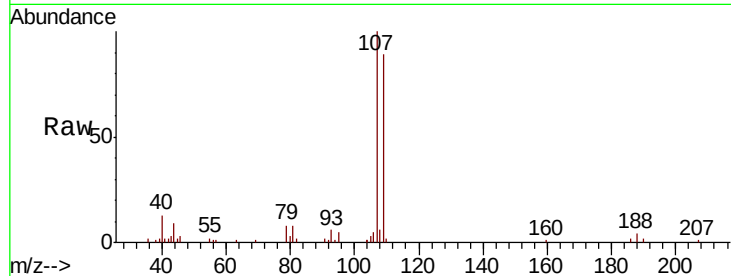
ClientSampleId :

MDL05

Tot Ion:	107	Resp:	18220
Ion Ratio	Lower	Upper	
107	100		
109	89.2	64.7	120.1
188	3.9	3.7	5.5

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#51

Chlorobenzene

Concen: 2.125 ug/L

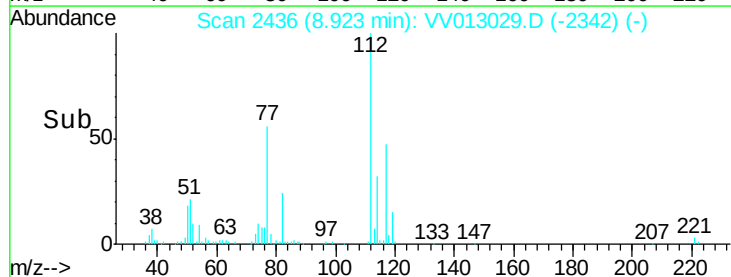
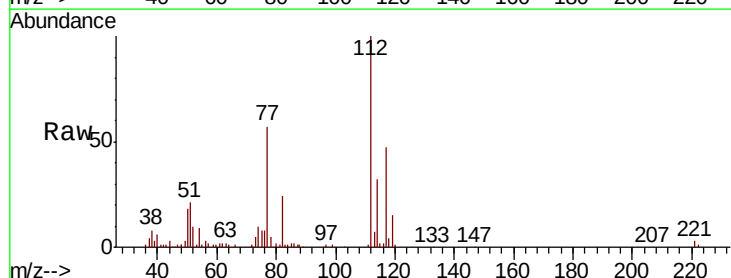
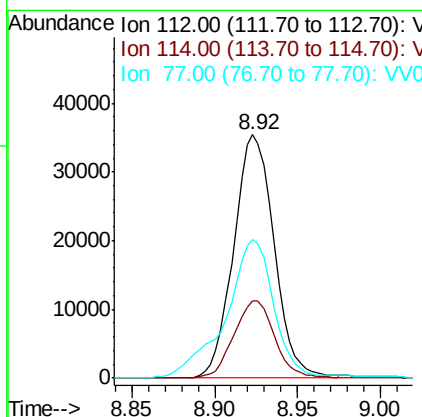
RT: 8.92 min Scan# 2436

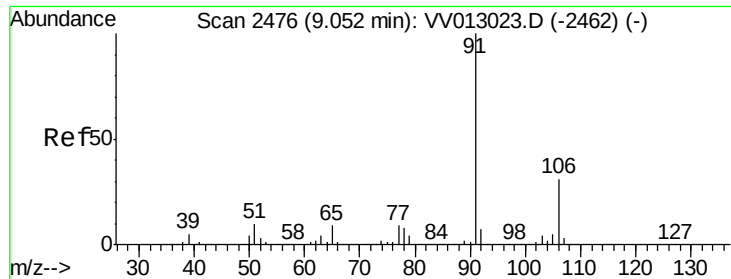
Delta R.T. 0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Tgt Ion:	112	Resp:	60217
Ion Ratio	Lower	Upper	
112	100		
114	31.7	22.7	42.1
77	56.8	45.9	68.9





#52

Ethylbenzene

Concen: 1.912 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 87771

Ion Ratio Lower Upper

91 100

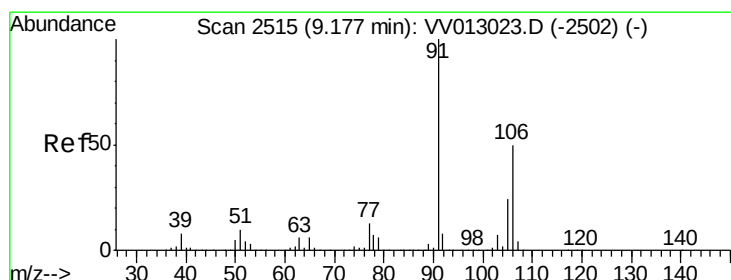
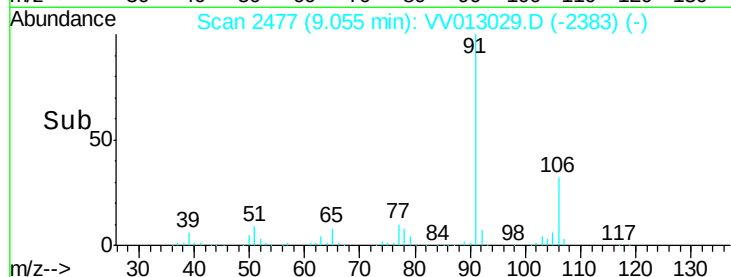
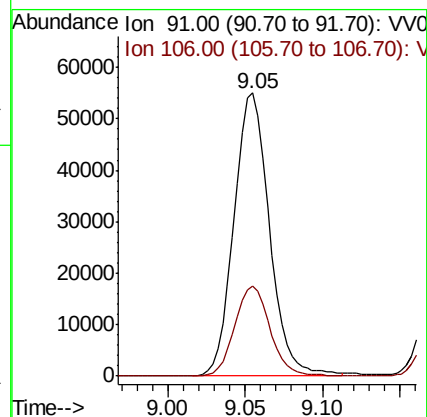
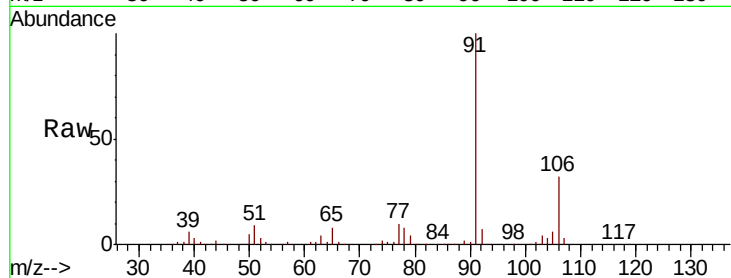
106 31.7 21.8 40.4

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#53

m,p-Xylene

Concen: 1.812 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013029.D

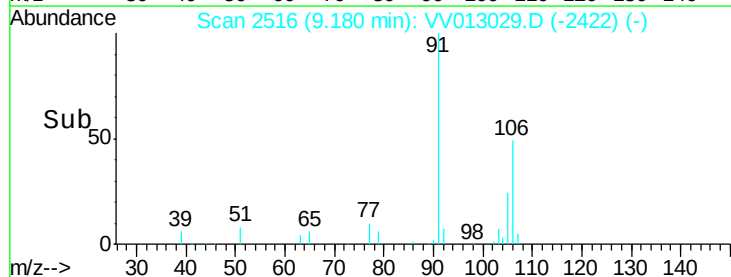
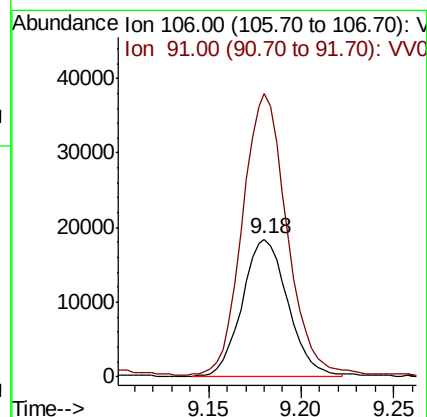
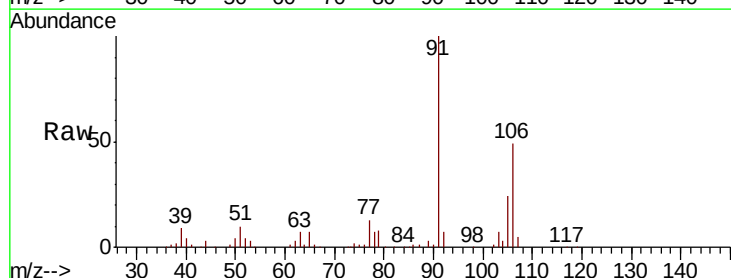
Acq: 02 Oct 2019 12:45

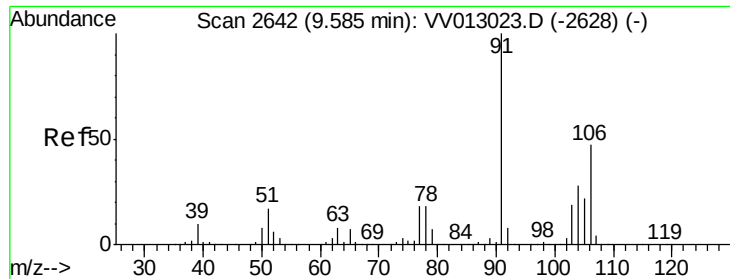
Tgt Ion: 106 Resp: 31798

Ion Ratio Lower Upper

106 100

91 205.4 138.0 256.2





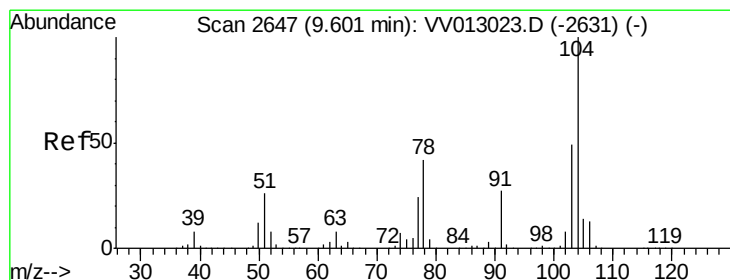
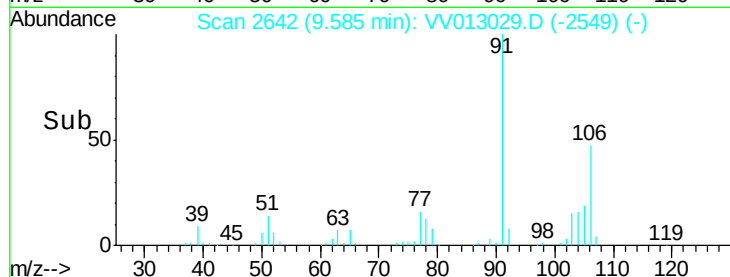
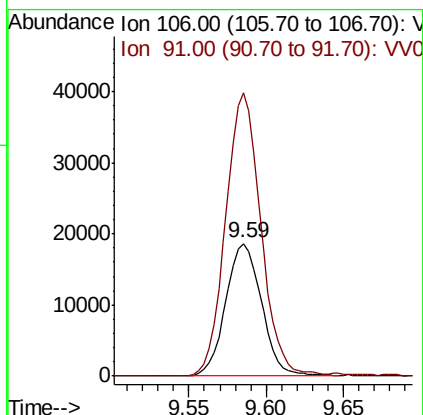
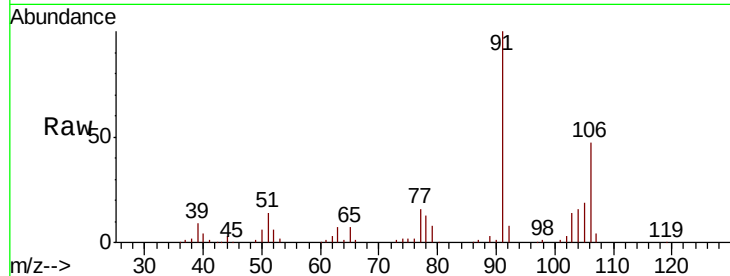
#54
o-Xylene
Concen: 1.792 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV013029.D
Acq: 02 Oct 2019 12:45

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tot Ion:106 Resp: 30085
Ion Ratio Lower Upper
106 100
91 213.8 150.8 280.1

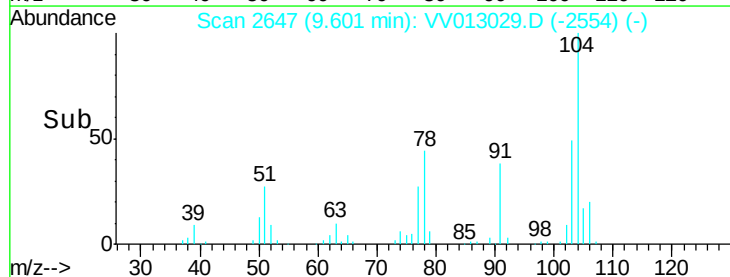
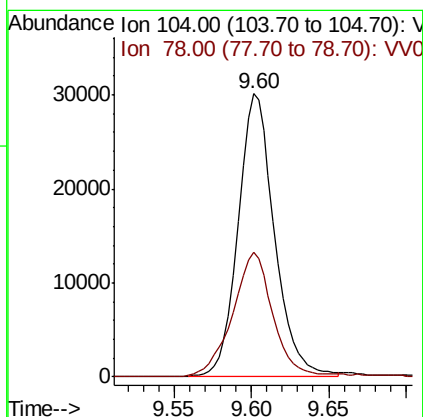
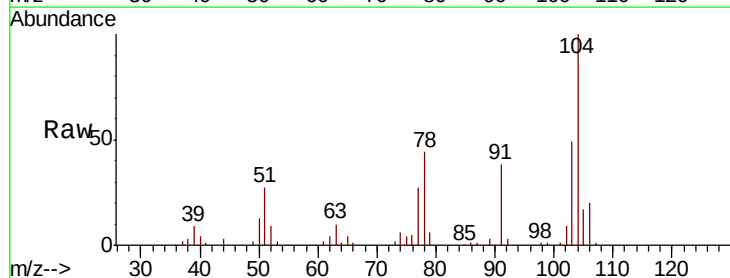
Manual Integrations
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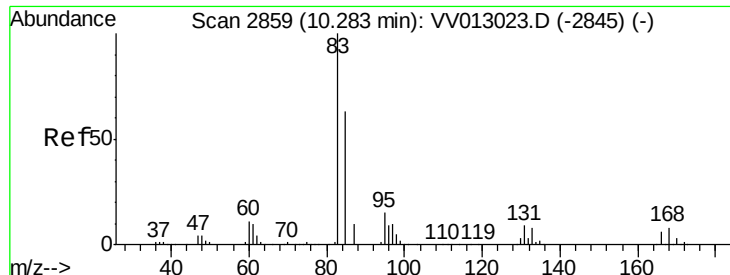
MMDadoda
10/9/2019 3:10:51 PM



#55
Styrene
Concen: 1.675 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV013029.D
Acq: 02 Oct 2019 12:45

Tgt Ion:104 Resp: 49229
Ion Ratio Lower Upper
104 100
78 44.0 29.8 55.3





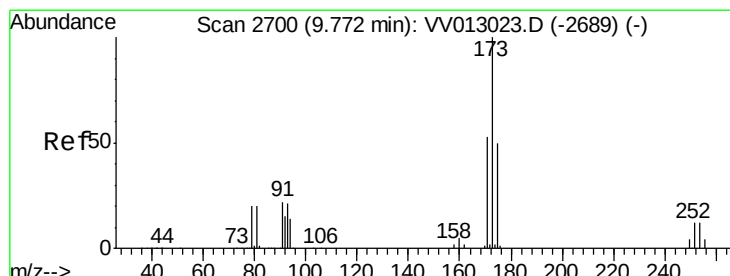
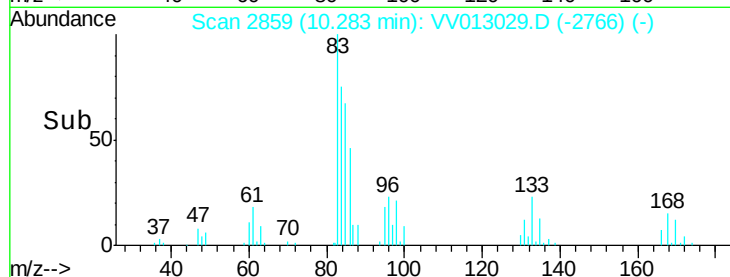
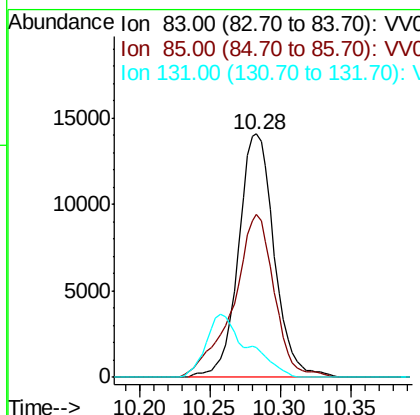
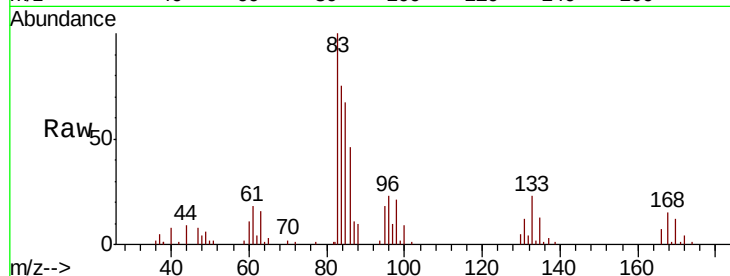
#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.402 ug/L
 RT: 10.28 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.7	44.5	82.7
131	12.0	8.2	12.2

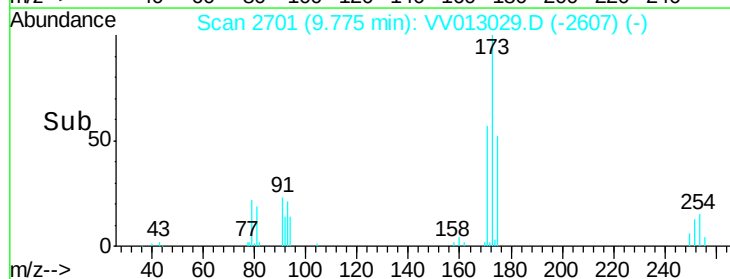
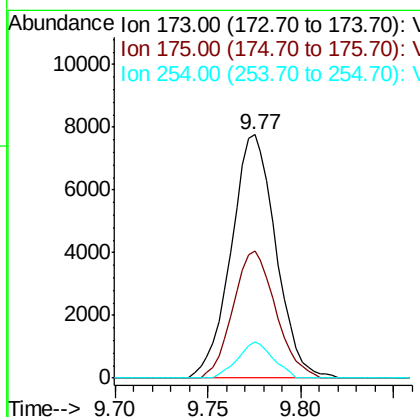
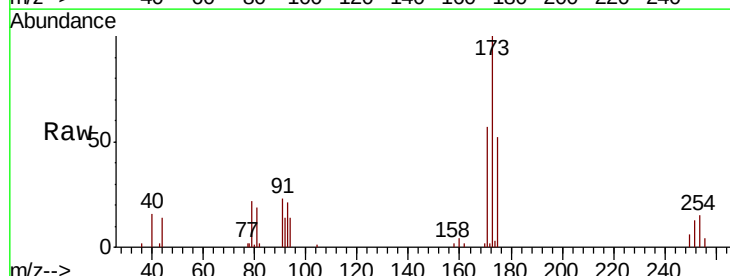
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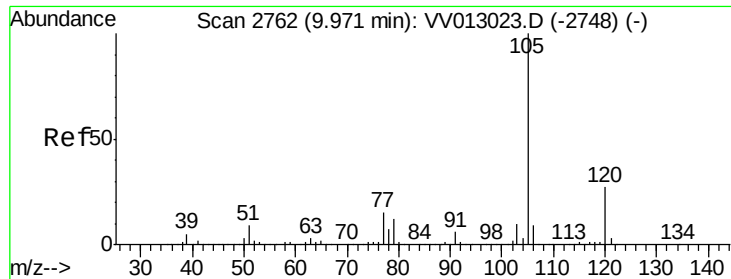
MMDadoda
 10/9/2019 3:10:51 PM



#59
 Bromoform
 Concen: 2.147 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.9	58.3
254	11.8	9.4	14.0





#60

Isopropylbenzene

Concen: 1.759 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Instrument :

MSVOA_V

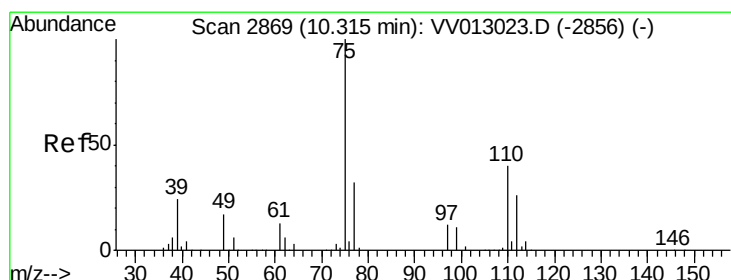
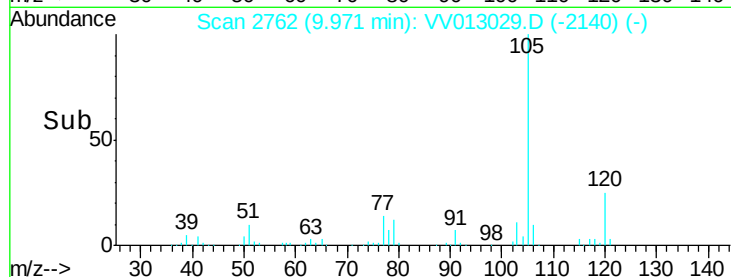
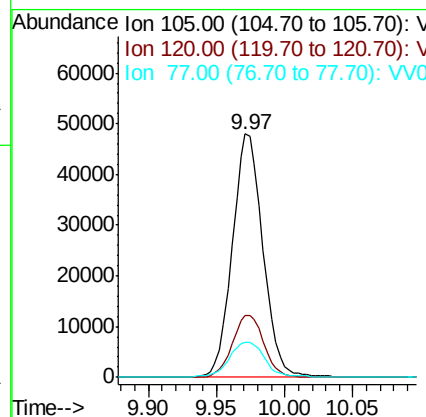
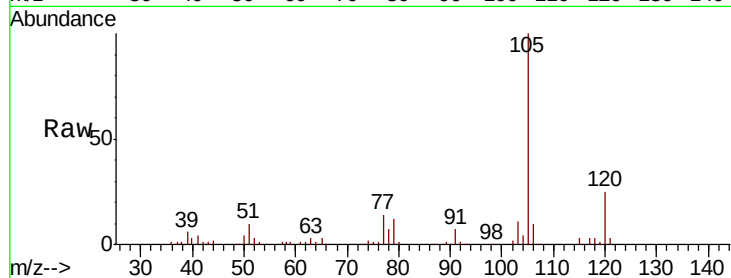
ClientSampleId :

MDL05

Tot Ion:	105	Resp:	74777
Ion Ratio	Lower	Upper	
105	100		
120	26.4	21.1	31.7
77	16.6	12.3	18.5

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#61

1,2,3-Trichloropropane

Concen: 2.313 ug/L

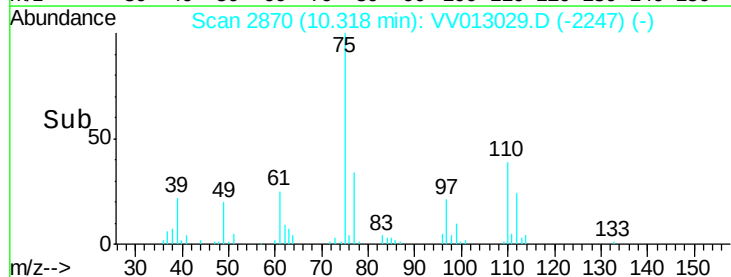
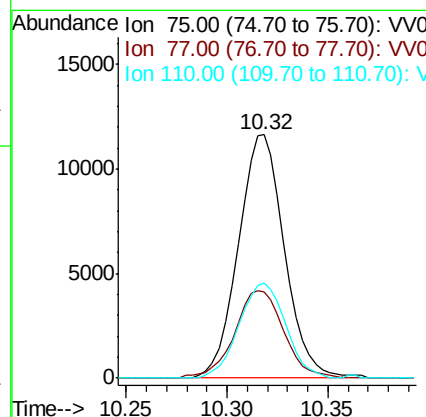
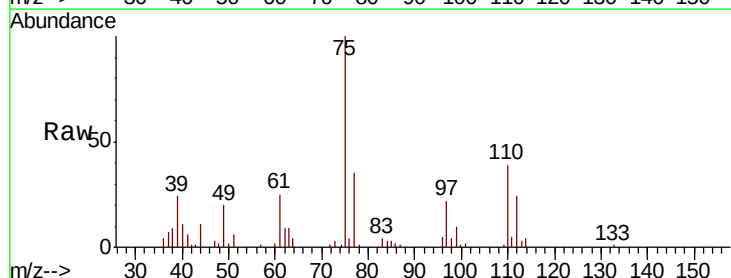
RT: 10.32 min Scan# 2870

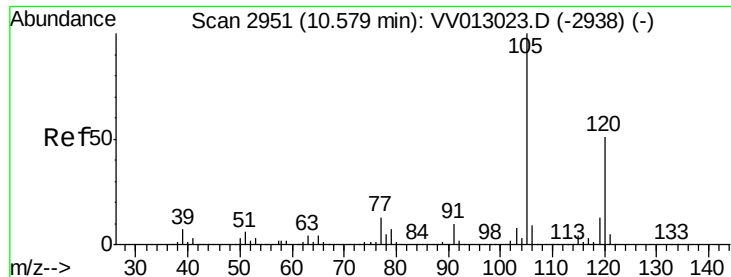
Delta R.T. 0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Tgt Ion:	75	Resp:	18569
Ion Ratio	Lower	Upper	
75	100		
77	38.3	25.4	38.2#
110	39.5	31.7	47.5





#62

1,3,5-Trimethylbenzene

Concen: 1.681 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tot Ion:105 Resp: 57571

Ion Ratio Lower Upper

105 100

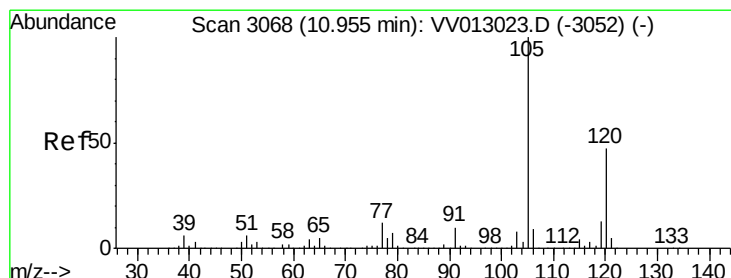
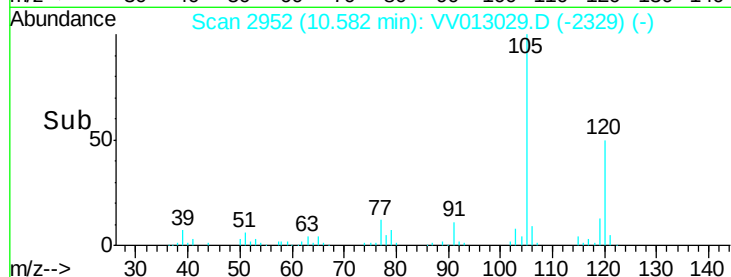
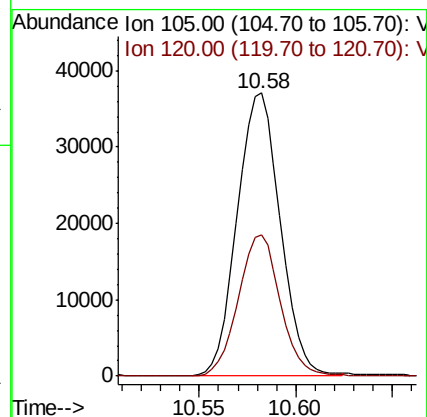
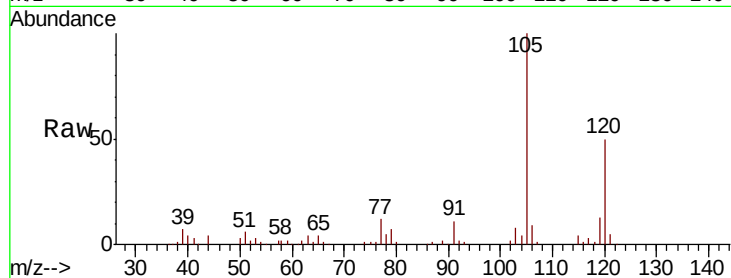
120 48.5 40.6 61.0

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#63

1,2,4-Trimethylbenzene

Concen: 1.607 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV013029.D

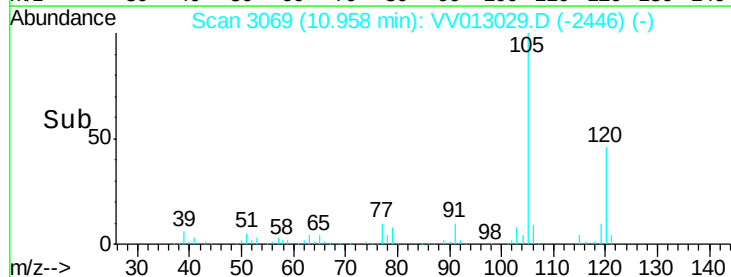
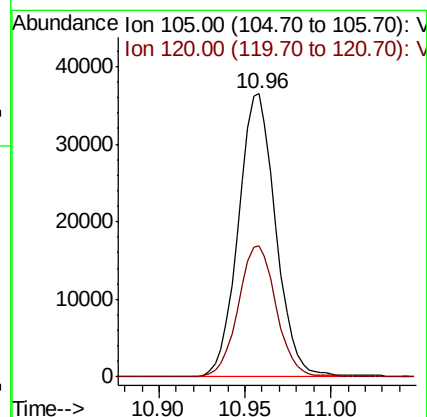
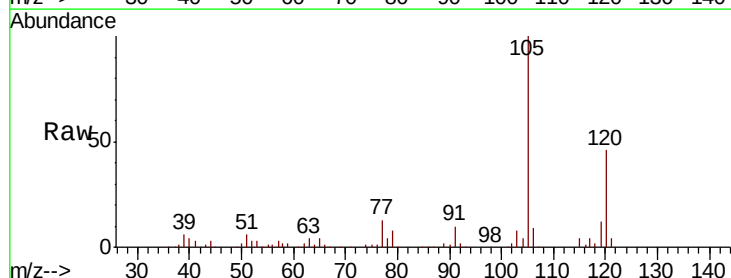
Acq: 02 Oct 2019 12:45

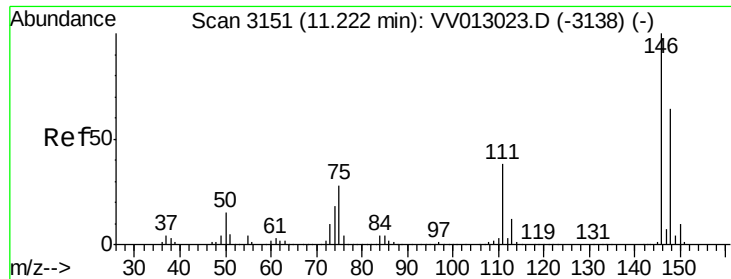
Tgt Ion:105 Resp: 55266

Ion Ratio Lower Upper

105 100

120 46.6 37.1 55.7





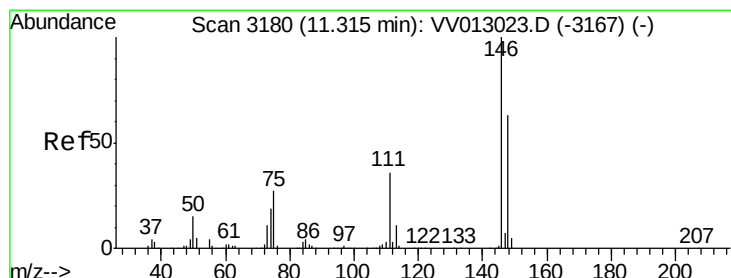
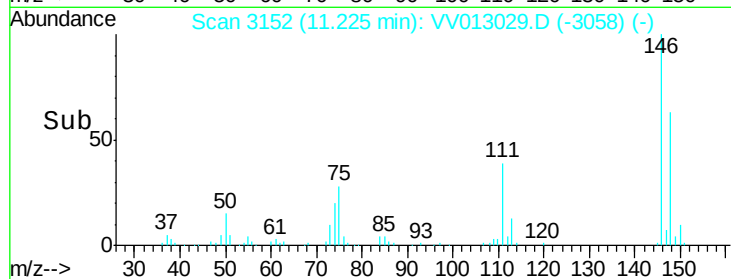
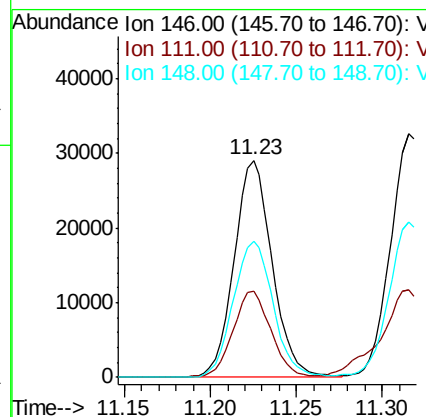
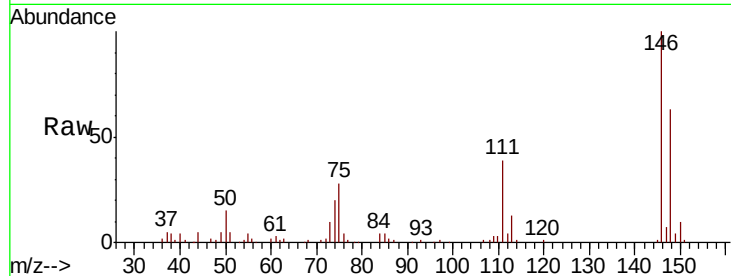
#64
 1,3-Dichlorobenzene
 Concen: 2.000 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.0	50.2
148	62.6	44.7	83.1

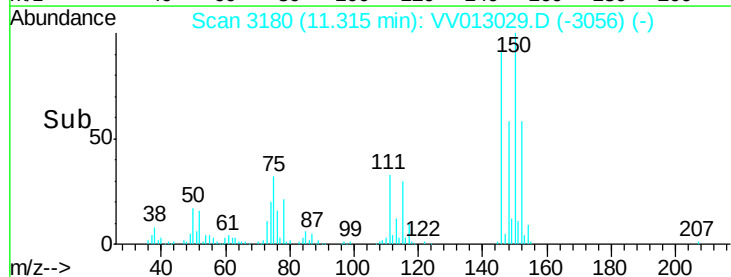
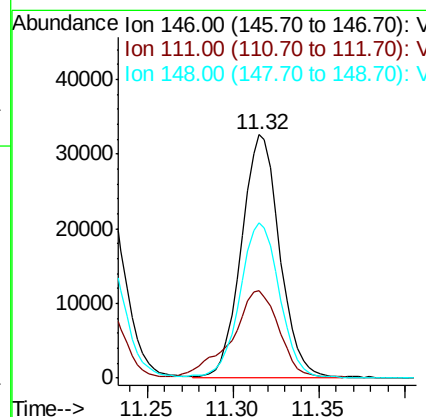
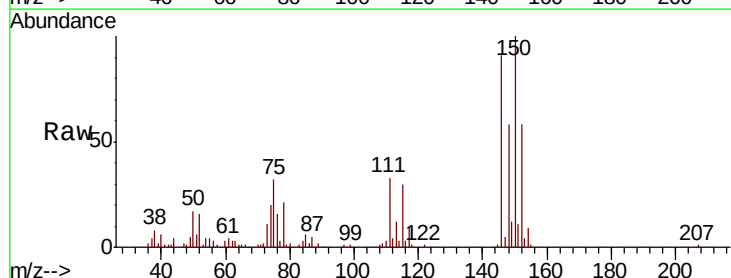
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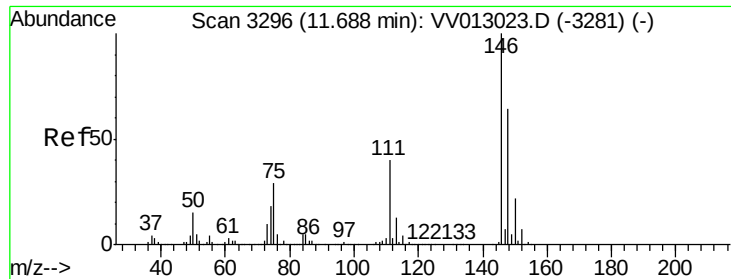
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#65
 1,4-Dichlorobenzene
 Concen: 2.163 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	25.4	47.2
148	64.0	44.2	82.2





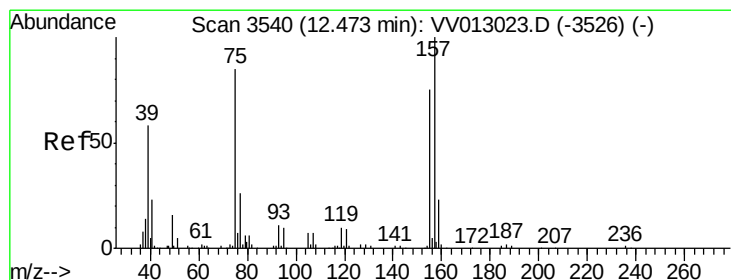
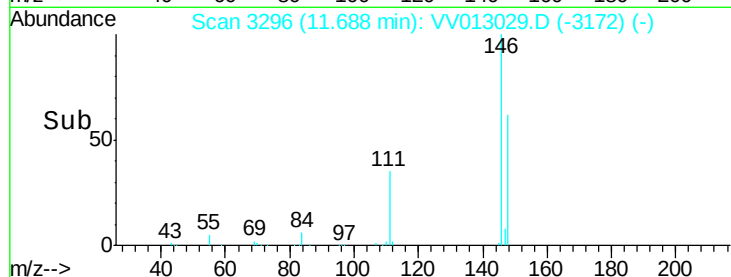
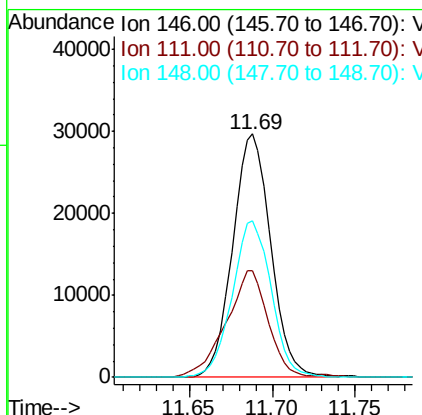
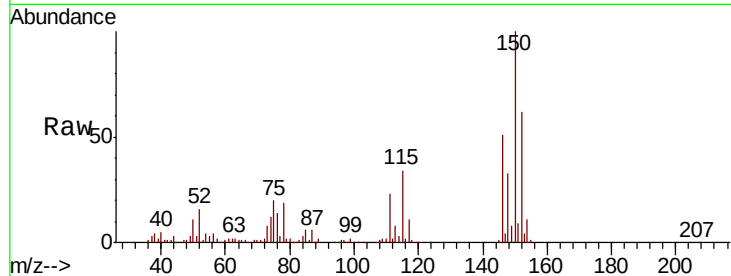
#67
 1,2-Dichlorobenzene
 Concen: 2.233 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	32.0	48.0
148	64.4	50.8	76.2

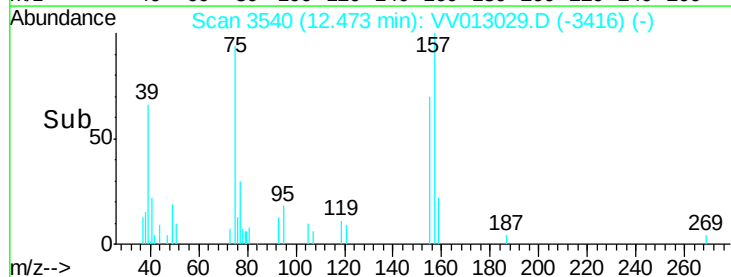
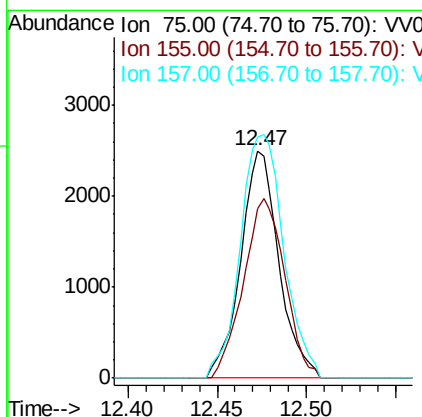
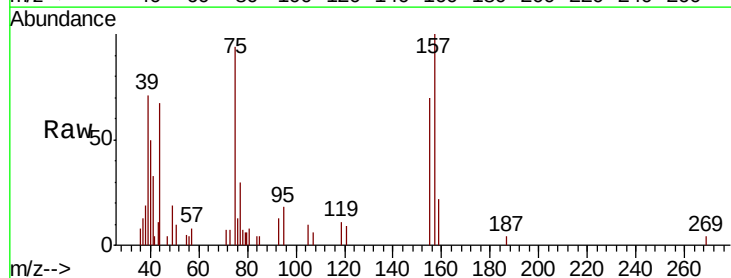
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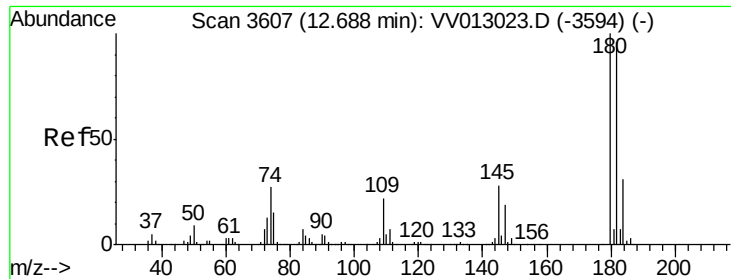
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.135 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	74.4	111.6#
157	106.2	95.8	143.6





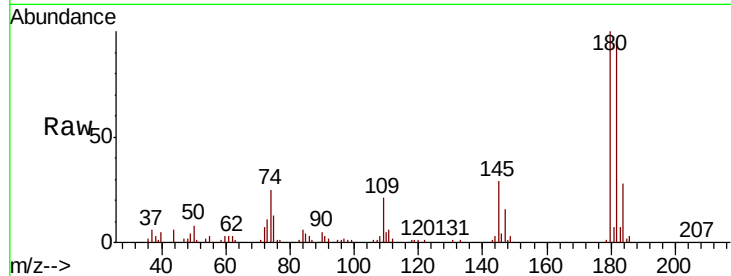
#69
 1,3,5-Trichlorobenzene
 Concen: 2.081 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.6	115.0
184	28.4	24.6	37.0
145	28.9	22.2	33.4

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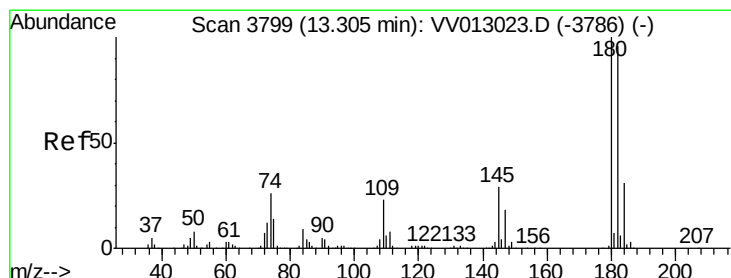
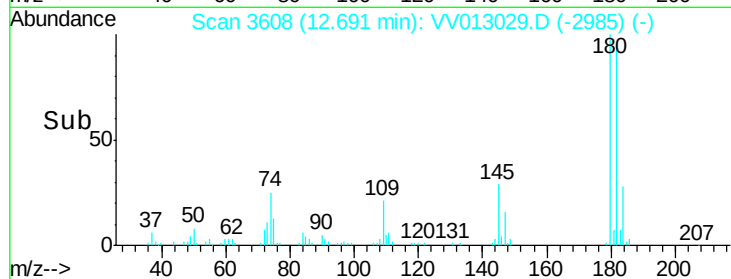
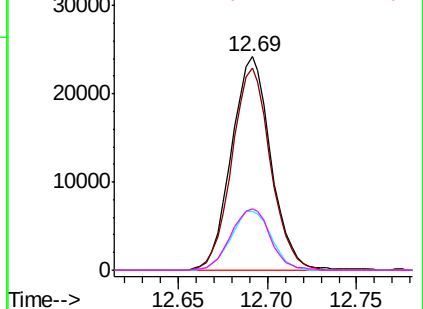
Abundance

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



#70
 1,2,4-trichlorobenzene
 Concen: 1.891 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013029.D
 Acq: 02 Oct 2019 12:45

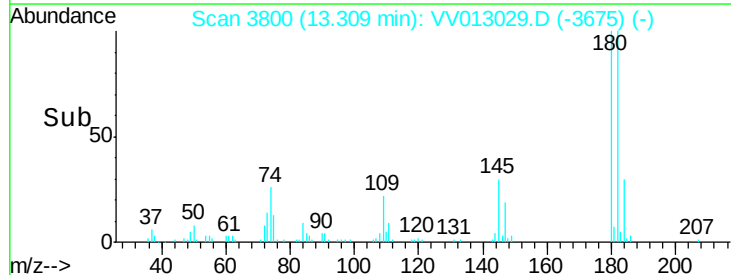
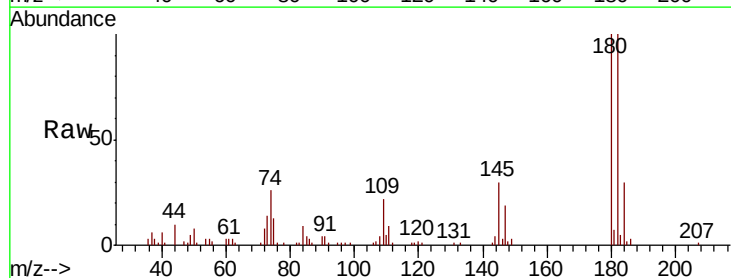
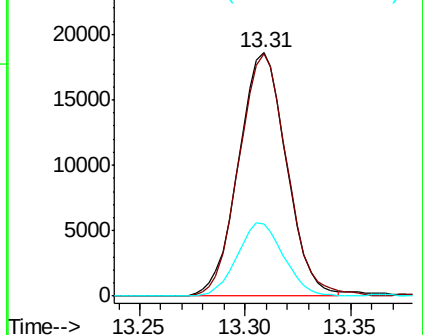
Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.0	76.0	114.0
145	29.2	22.5	33.7

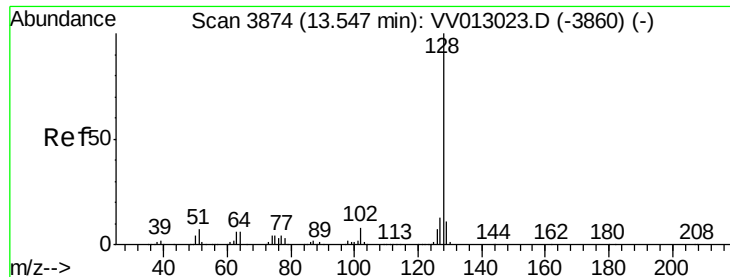
Abundance

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





#71

Naphthalene

Concen: 1.693 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Instrument :

MSVOA_V

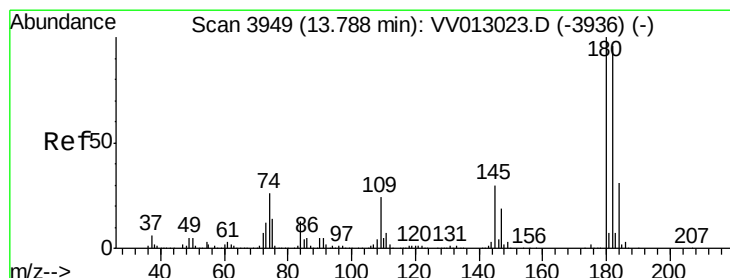
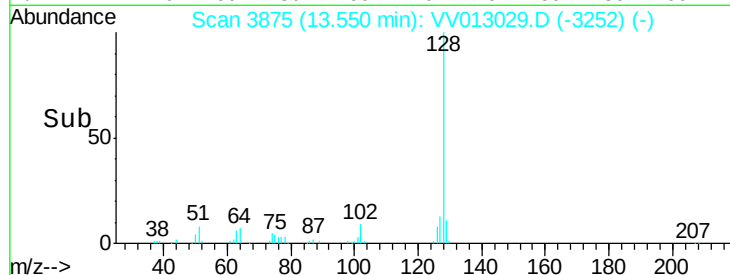
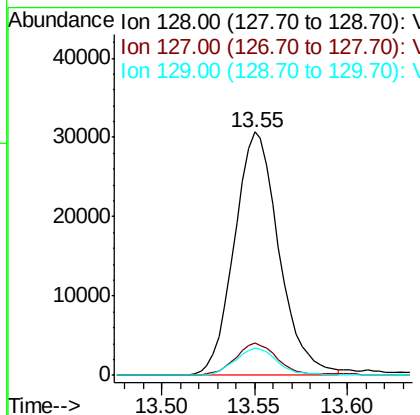
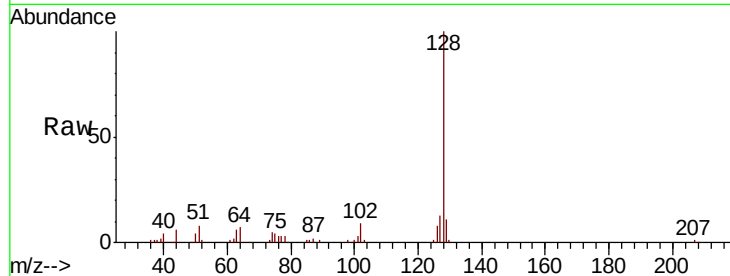
ClientSampleId :

MDL05

Tot Ion:	128	Resp:	51204
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.6	8.6	12.8

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#72

1,2,3-Trichlorobenzene

Concen: 2.028 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013029.D

Acq: 02 Oct 2019 12:45

Tgt Ion:	180	Resp:	30378
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.7	115.1
145	29.1	24.2	36.4

