

Data File : VV013471.D
Acq On : 01 Nov 2019 16:18
Operator : SY/MD
Sample : MDL05
Misc : 5.00G/10.0ML/MSVOA_V/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
11/4/2019 12:38:44 PM

Quant Time: Nov 02 03:40:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM110119S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 02 04:24:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	656546	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	631845	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	320605	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	244803	26.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.92%
7) Chloroethane-d5	1.58	69	184827	27.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.60%
10) 1,1-Dichloroethene-d2	2.13	63	314514	19.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.24%
20) 2-Butanone-d5	3.95	46	210757	48.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.20%
24) Chloroform-d	4.40	84	440193	23.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.68%
26) 1,2-Dichloroethane-d4	5.08	65	263877	24.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.16%
29) Benzene-d6	5.09	84	940370	25.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.40%
33) 1,2-Dichloropropane-d6	6.11	67	285145	25.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.76%
37) Toluene-d8	7.36	98	851144	25.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.44%
38) trans-1,3-Dichloropropene-	7.66	79	118827	24.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.60%
39) 2-Hexanone-d5	8.13	63	112482	46.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.94%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	241603	23.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	326972	26.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	13413	1.310 ug/L	98
3) Chloromethane	1.25	50	12276	1.176 ug/L	91
5) Vinyl chloride	1.32	62	13179m	1.290 ug/L	
6) Bromomethane	1.54	94	6297	1.311 ug/L	95
8) Chloroethane	1.60	64	7151	1.261 ug/L	86
9) Trichlorofluoromethane	1.77	101	17127	1.224 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	13021	1.559 ug/L #	79
12) 1,1-Dichloroethene	2.14	96	12033m	1.524 ug/L	
13) Acetone	2.22	43	21776	4.296 ug/L	71
14) Carbon disulfide	2.32	76	35125	1.147 ug/L	100
15) Methyl Acetate	2.47	43	10346m	1.356 ug/L	
16) Methylene chloride	2.53	84	28045	2.295 ug/L	100
17) Methyl tert-butyl Ether	2.80	73	27308	1.054 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	12113	1.151 ug/L	93
19) 1,1-Dichloroethane	3.23	63	23176	1.208 ug/L	99
21) 2-Butanone	4.06	43	14708m	2.813 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	11856	1.072 ug/L	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	6255	1.178	ug/L	92
25) Chloroform	4.42	83	36153	1.840	ug/L	88
27) 1,2-Dichloroethane	5.18	62	17001	1.246	ug/L	96
30) Cyclohexane	4.72	56	19107	1.120	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	18313m	1.142	ug/L	
32) Carbon tetrachloride	4.88	117	16865	1.181	ug/L	95
34) Benzene	5.15	78	46144	1.113	ug/L	100
35) Trichloroethene	5.96	95	13938	1.246	ug/L	97
36) Methylcyclohexane	6.17	83	19938	1.138	ug/L	97
40) 1,2-Dichloropropane	6.22	63	10666	1.022	ug/L #	88
41) Bromodichloromethane	6.55	83	15584	1.160	ug/L #	97
42) cis-1,3-Dichloropropene	7.07	75	16493	1.066	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	24806	2.575	ug/L #	93
44) Toluene	7.43	91	50273	1.187	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	13386	1.009	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	9501	1.136	ug/L	89
47) Tetrachloroethene	8.02	164	11062	1.166	ug/L	97
49) 2-Hexanone	8.19	43	25862	3.687	ug/L #	95
50) Dibromochloromethane	8.29	129	10049	1.005	ug/L	99
51) 1,2-Dibromoethane	8.39	107	9341	1.080	ug/L	91
52) Chlorobenzene	8.92	112	32676	1.140	ug/L	98
53) Ethylbenzene	9.05	91	49890	1.069	ug/L	96
54) m,p-Xylene	9.18	106	17972	1.024	ug/L	93
55) o-xylene	9.59	106	17067	1.028	ug/L	91
56) Styrene	9.60	104	26962	0.937	ug/L	97
57) Isopropylbenzene	9.97	105	42582	0.951	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.28	83	13652	1.272	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	10747	1.195	ug/L	97
62) Bromoform	9.78	173	6900	1.086	ug/L #	95
63) 1,3-Dichlorobenzene	11.23	146	25553	1.154	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	28990	1.281	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	26407	1.284	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.47	75	2314	1.223	ug/L	81
67) 1,3,5-Trichlorobenzene	12.69	180	23142	1.322	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	18381	1.232	ug/L	96
69) Naphthalene	13.55	128	29379	1.018	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	16459	1.179	ug/L	98

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

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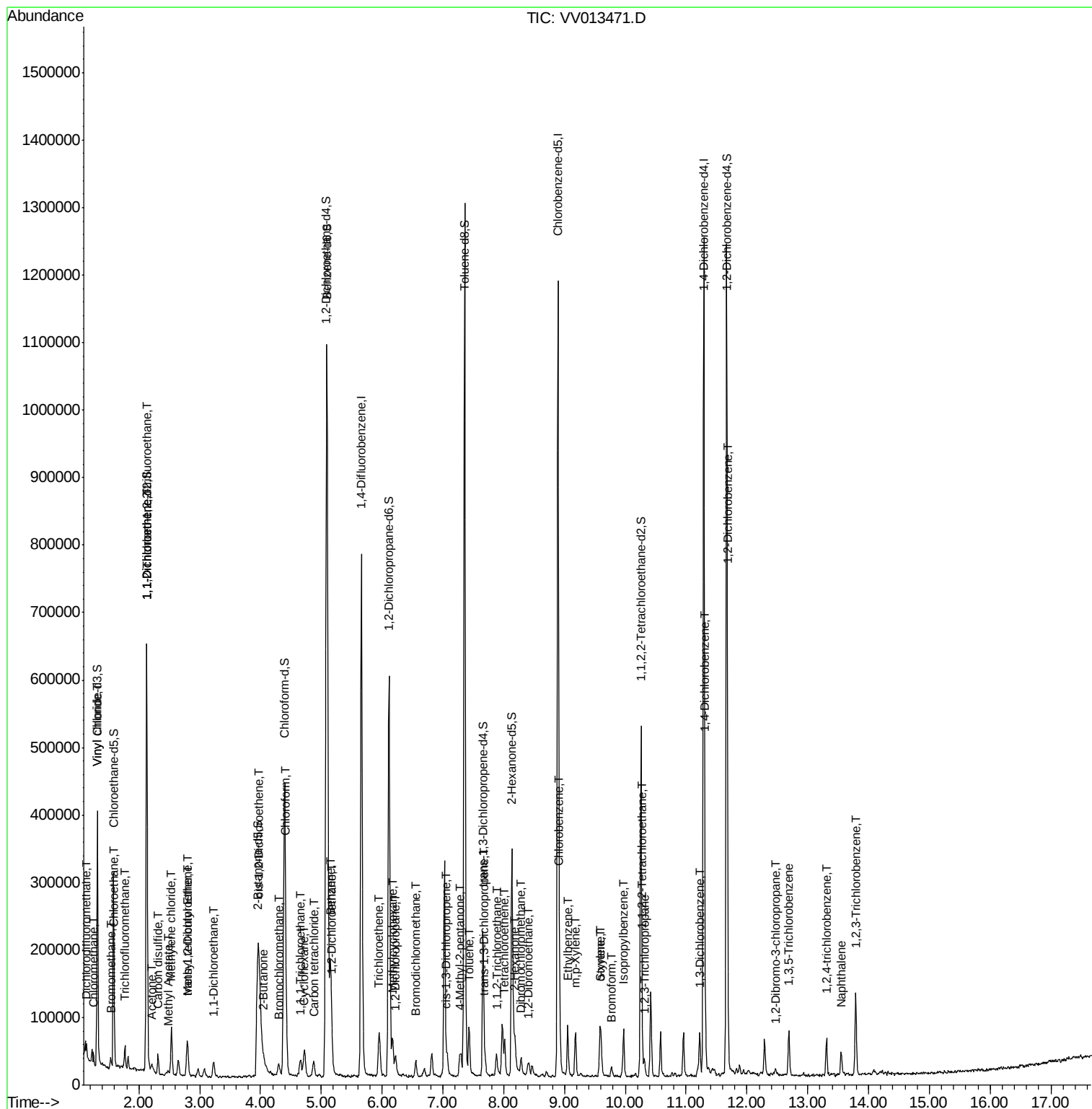
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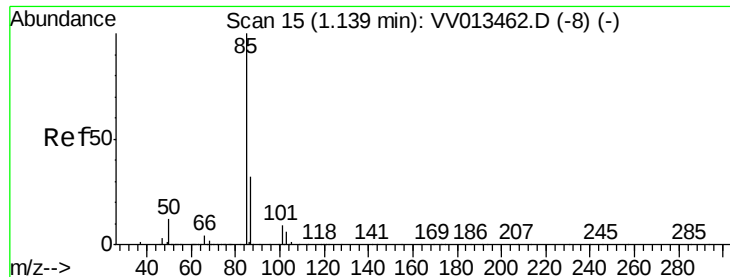
Instrument :
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#2

Dichlorodifluoromethane

Concen: 1.310 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 85 Resp: 13413

Ion Ratio Lower Upper

85 100

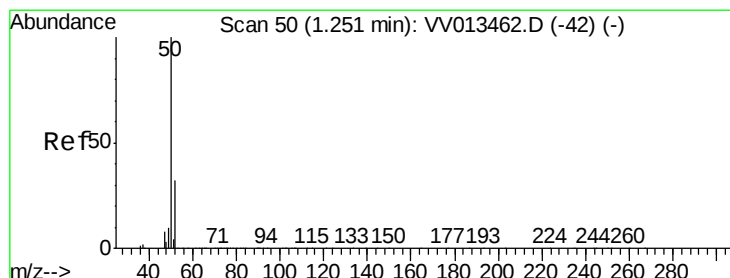
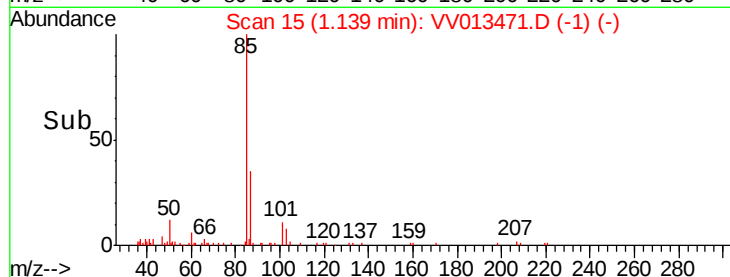
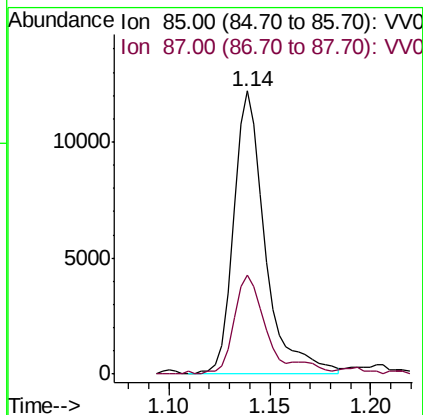
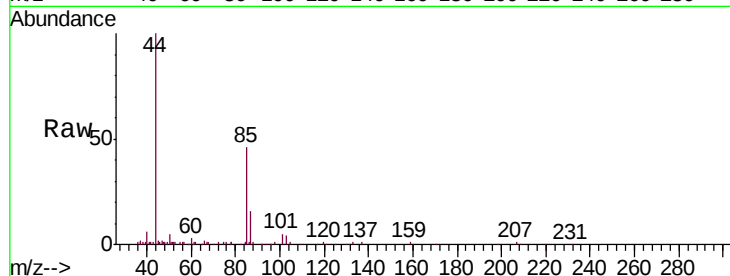
87 33.0 22.2 41.2

Manual Integrations

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#3

Chloromethane

Concen: 1.176 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013471.D

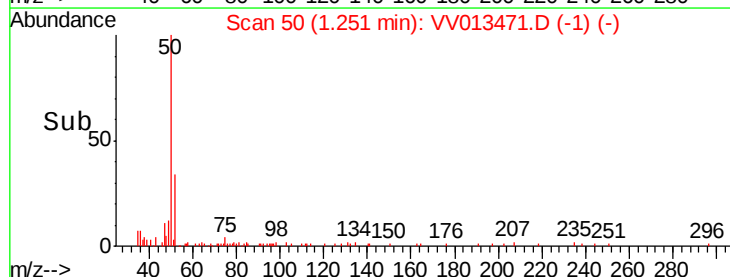
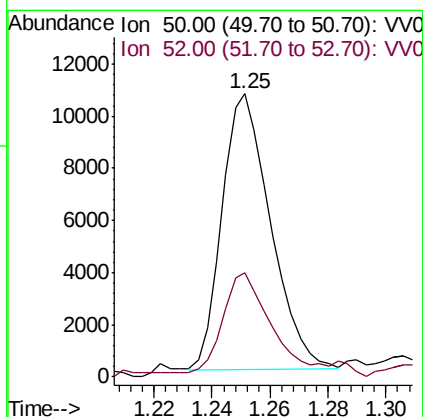
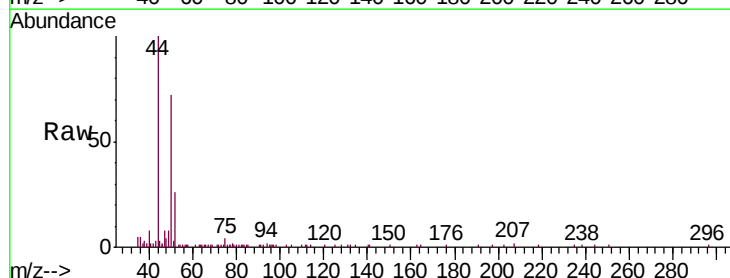
Acq: 01 Nov 2019 16:18

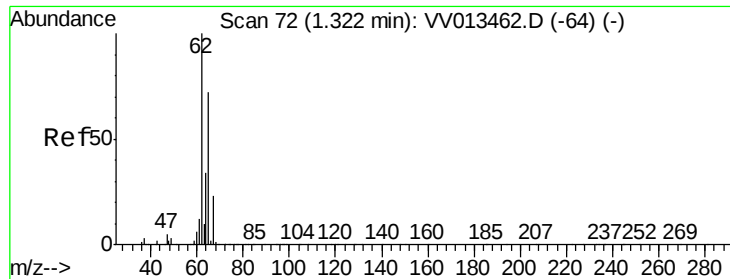
Tgt Ion: 50 Resp: 12276

Ion Ratio Lower Upper

50 100

52 36.8 22.2 41.2





#5

Vinyl chloride

Concen: 1.290 ug/L m

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 62 Resp: 13179

Ion Ratio Lower Upper

62 100

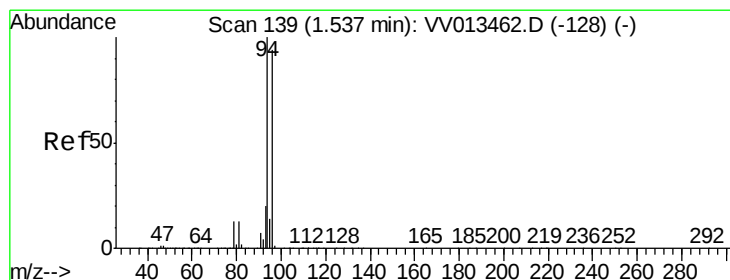
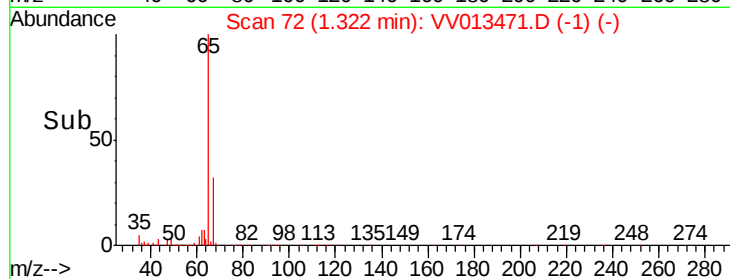
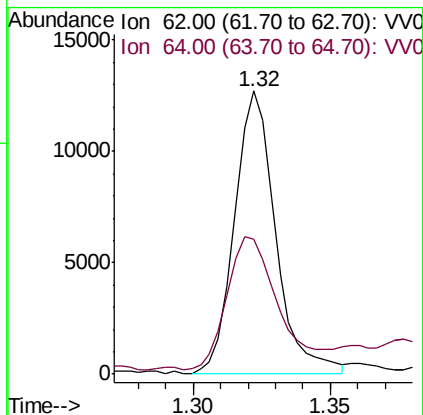
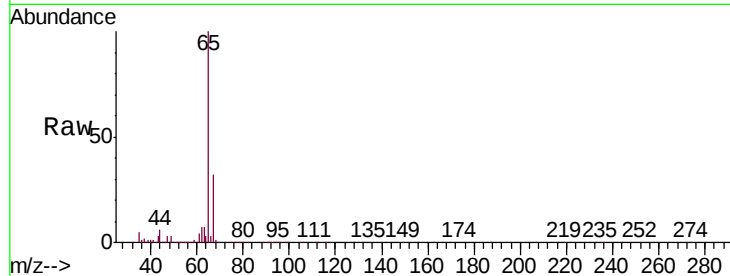
64 47.6 23.8 44.2#

Manual Integrations

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#6

Bromomethane

Concen: 1.311 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013471.D

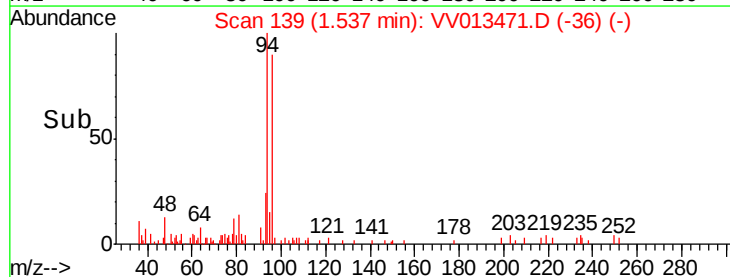
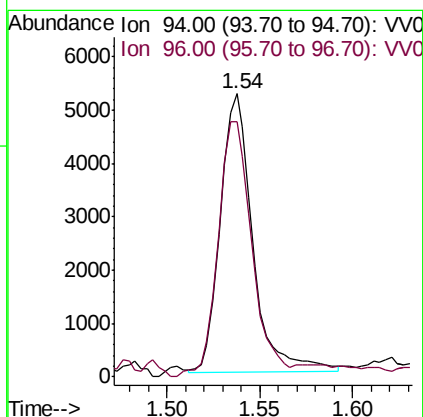
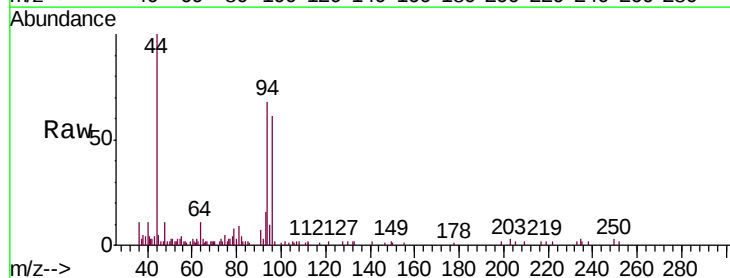
Acq: 01 Nov 2019 16:18

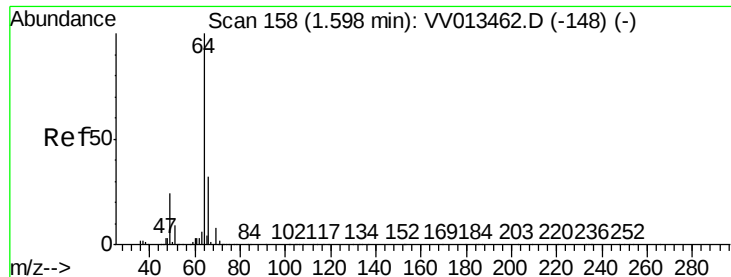
Tgt Ion: 94 Resp: 6297

Ion Ratio Lower Upper

94 100

96 89.0 9.4 177.8





#8

Chloroethane

Concen: 1.261 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 64 Resp: 7151

Ion Ratio Lower Upper

64 100

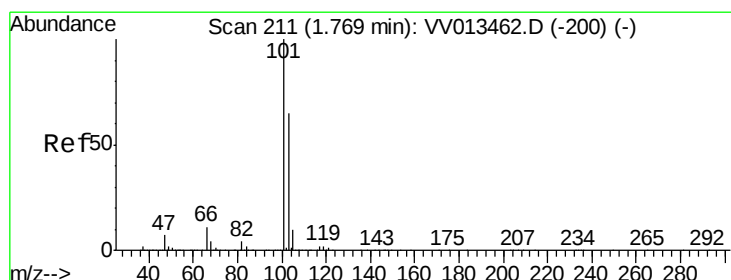
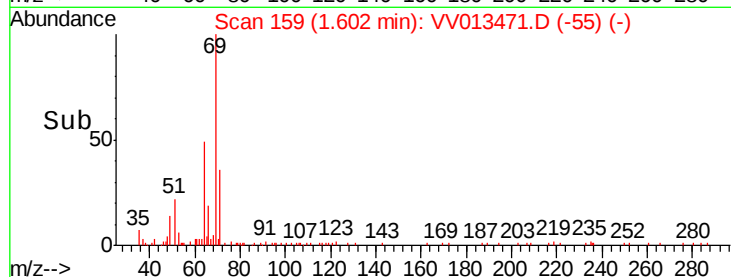
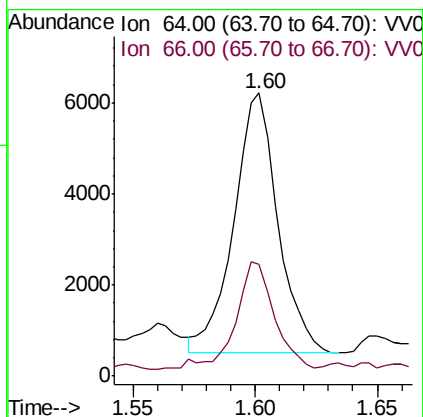
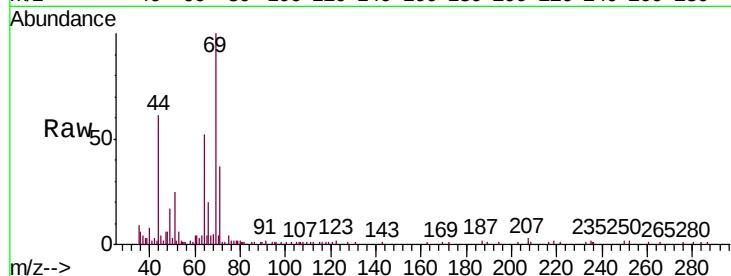
66 39.4 22.3 41.3

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.224 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013471.D

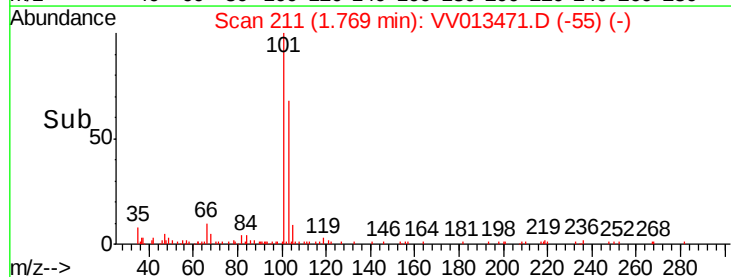
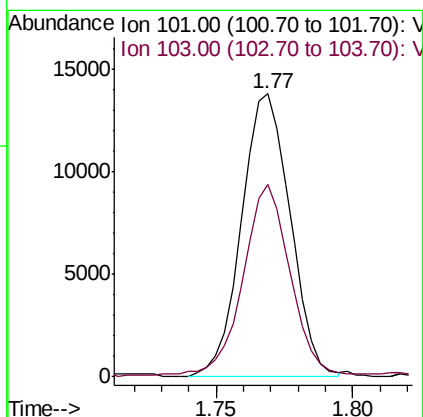
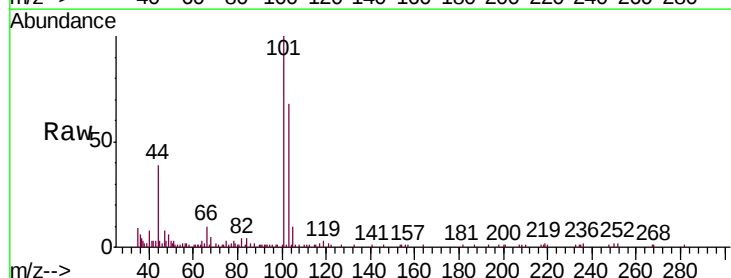
Acq: 01 Nov 2019 16:18

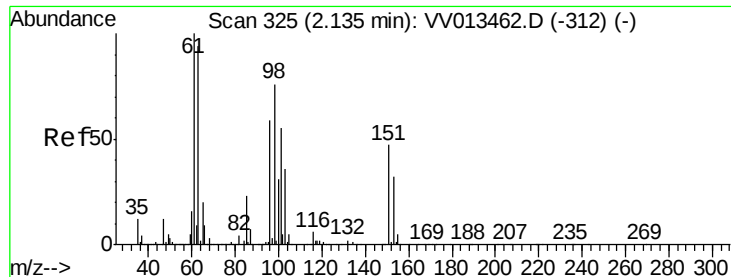
Tgt Ion: 101 Resp: 17127

Ion Ratio Lower Upper

101 100

103 63.8 45.1 83.9





#11

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

Concen: 1.559 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Instrument :

MSVOA_V

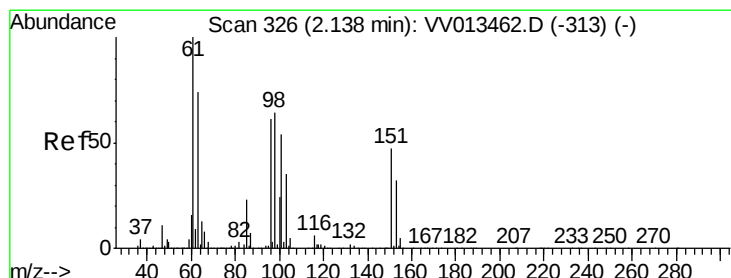
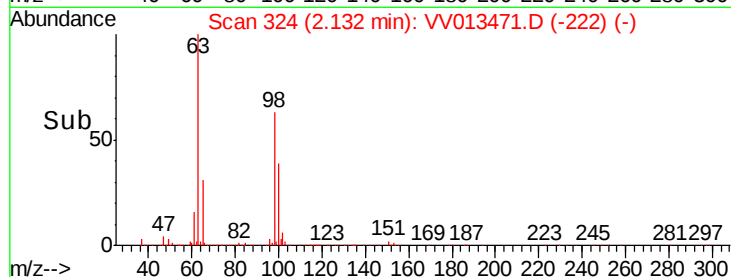
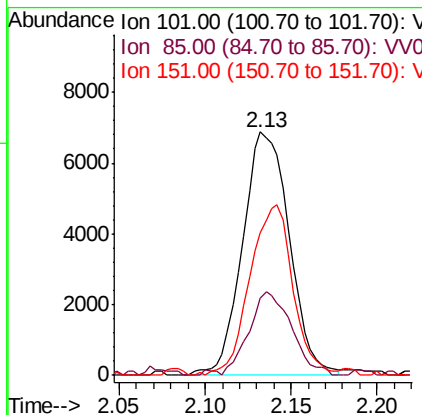
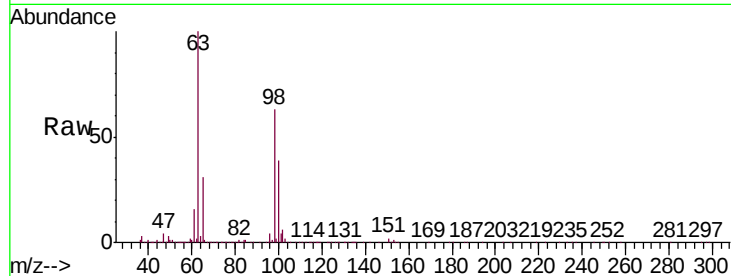
ClientSampleId :

MDL05

Tgt Ion:	101	Resp:	13021
Ion Ratio	Lower	Upper	
101	100		
85	30.9	33.1	49.7#
151	63.8	68.3	102.5#

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#12

1,1-Dichloroethene

Concen: 1.524 ug/L m

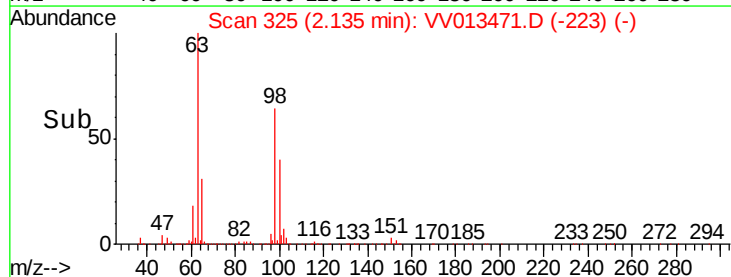
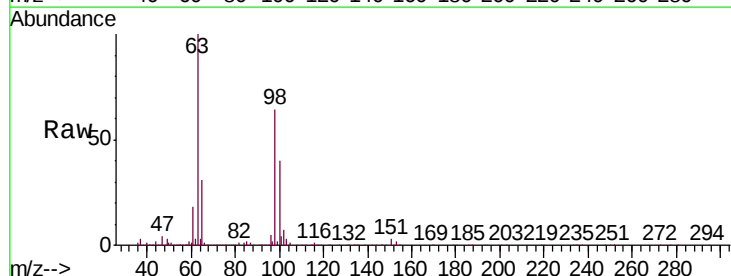
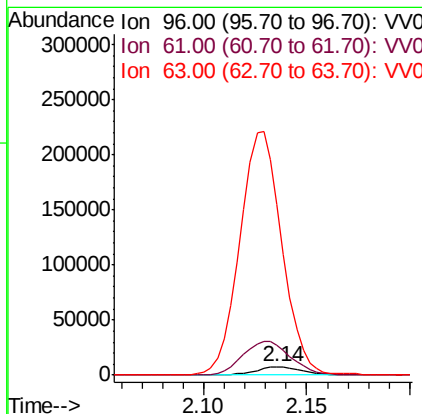
RT: 2.14 min Scan# 325

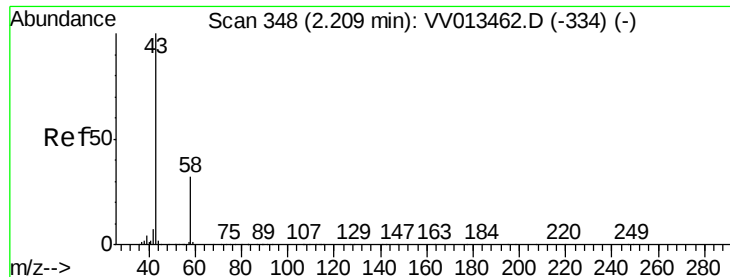
Delta R.T. -0.00 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Tgt Ion:	96	Resp:	12033
Ion Ratio	Lower	Upper	
96	100		
61	375.3	114.7	212.9#
63	2109.5	84.7	157.3#





#13

Acetone

Concen: 4.296 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 43 Resp: 21776

Ion Ratio Lower Upper

43 100

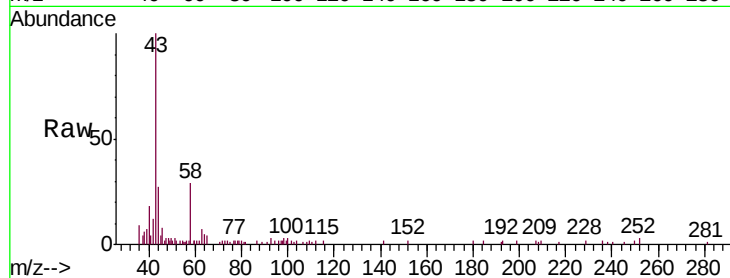
58 15.3 0.0 63.2

Manual Integrations

APPROVED

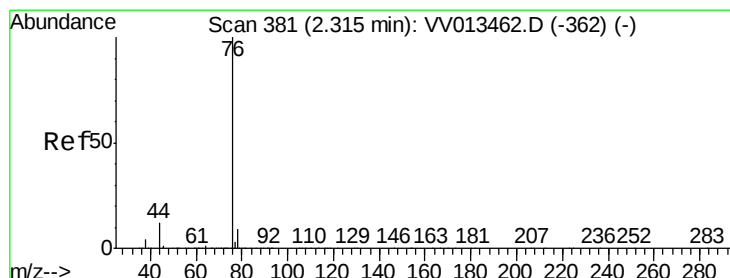
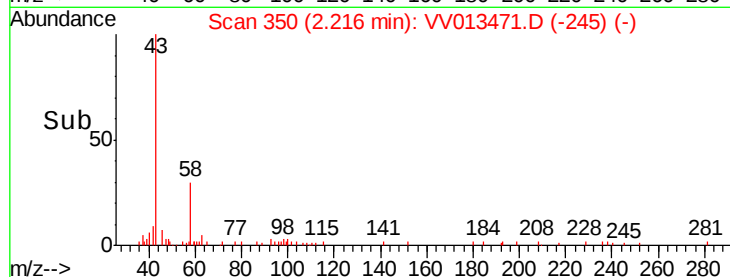
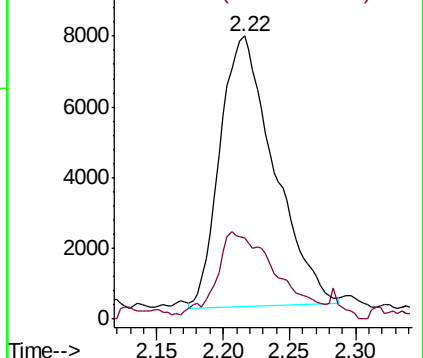
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 1.147 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013471.D

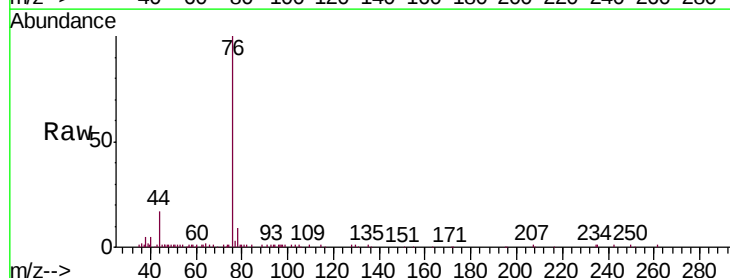
Acq: 01 Nov 2019 16:18

Tgt Ion: 76 Resp: 35125

Ion Ratio Lower Upper

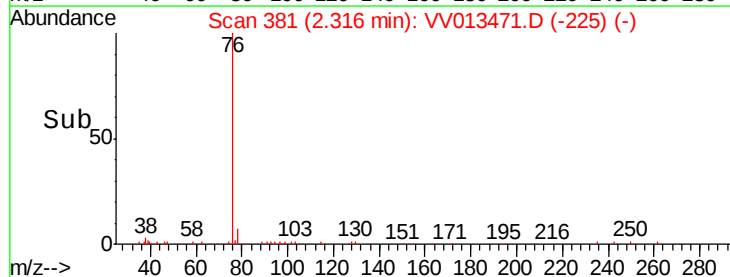
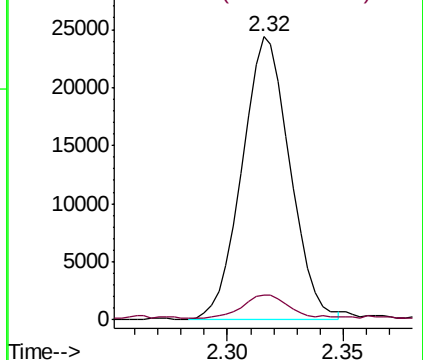
76 100

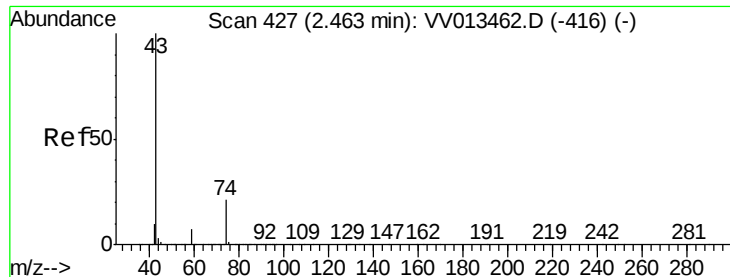
78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





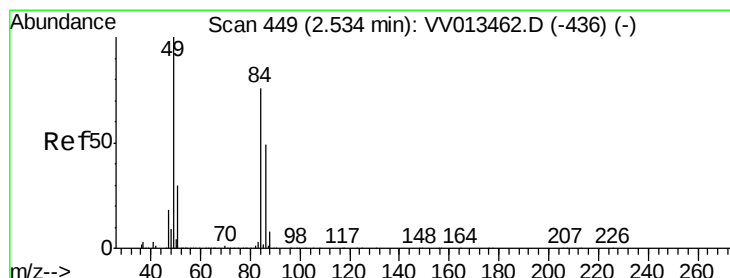
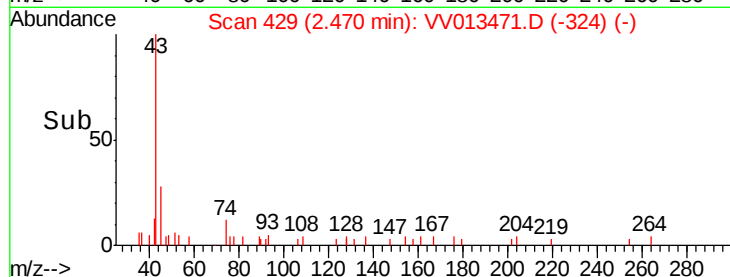
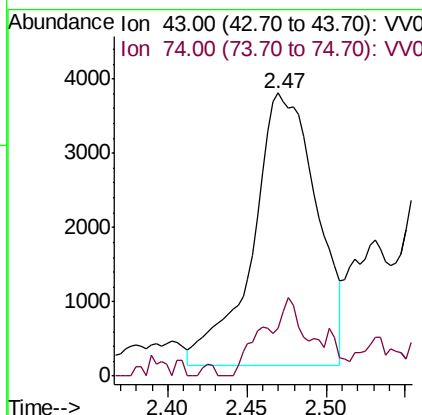
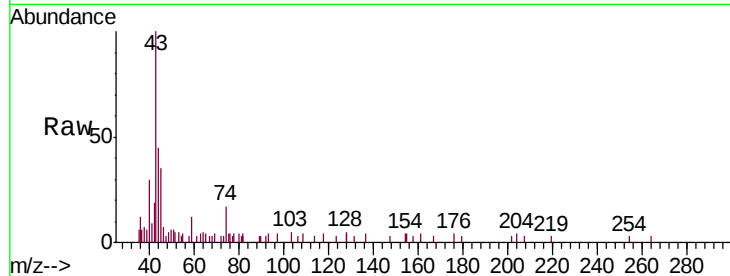
#15
Methyl Acetate
Concen: 1.356 ug/L m
RT: 2.47 min Scan# 429
Delta R.T. 0.01 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion: 43 Resp: 10346
Ion Ratio Lower Upper
43 100
74 2.8 16.9 25.3#

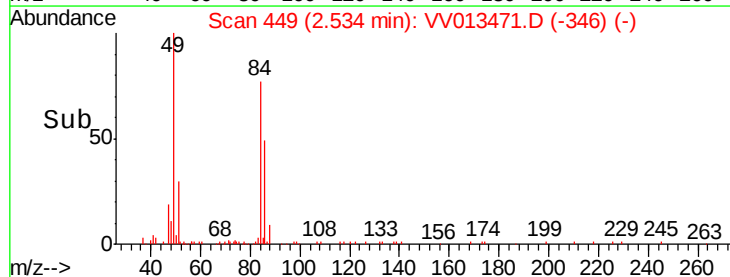
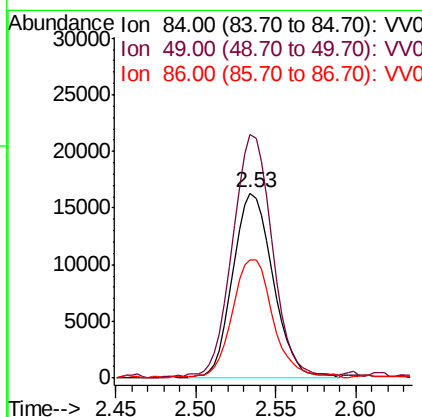
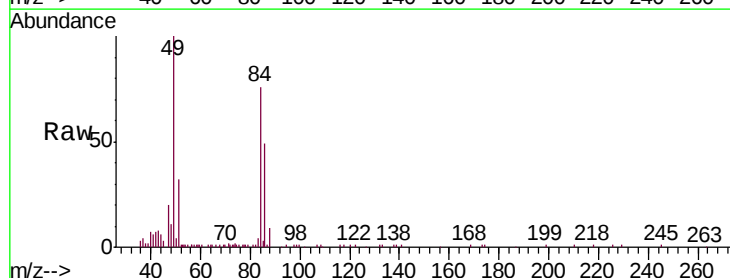
Manual Integrations
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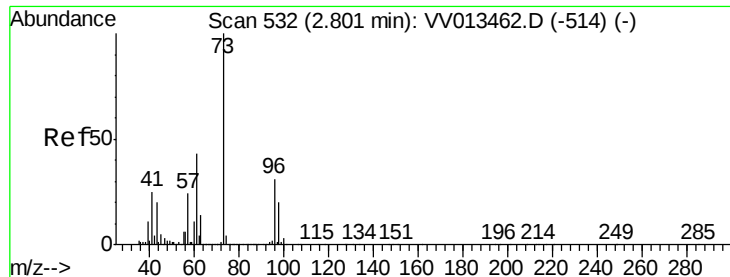
MMDadoda
11/4/2019 12:38:44 PM



#16
Methylene chloride
Concen: 2.295 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Tgt Ion: 84 Resp: 28045
Ion Ratio Lower Upper
84 100
49 131.8 92.4 171.6
86 64.3 45.1 83.7





#17

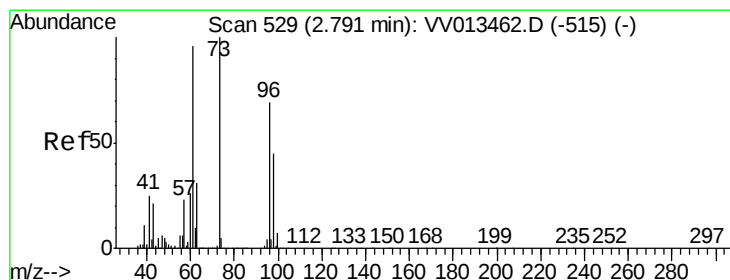
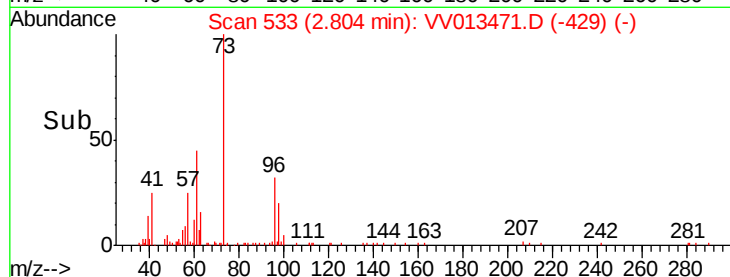
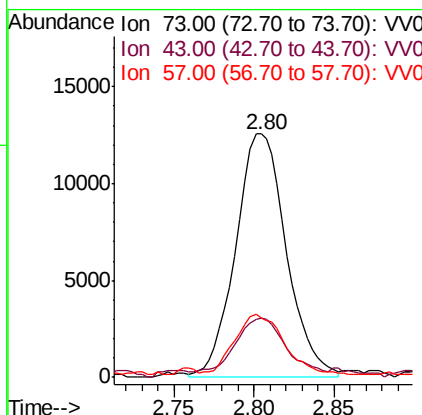
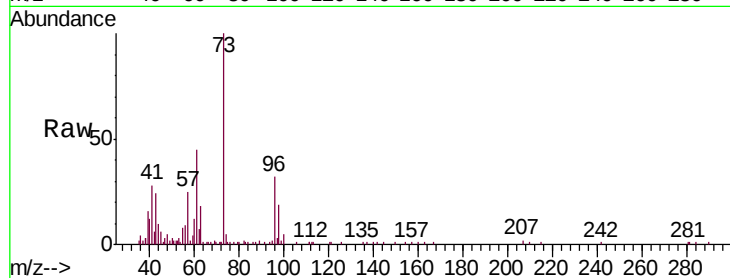
Methyl tert-butyl Ether
Concen: 1.054 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.5	16.2	24.2
57	23.2	18.6	27.8

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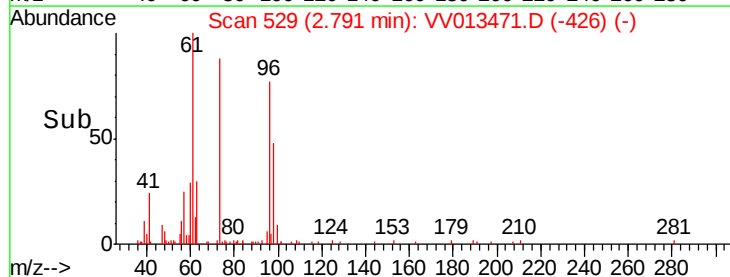
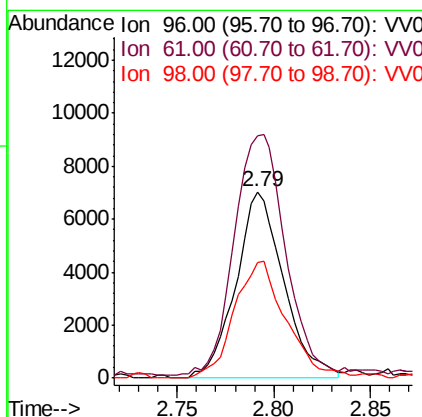
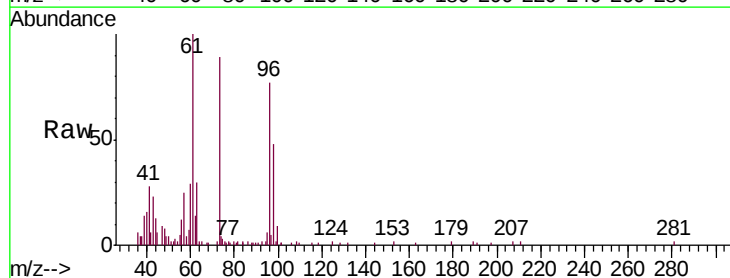
MMDadoda
11/4/2019 12:38:44 PM

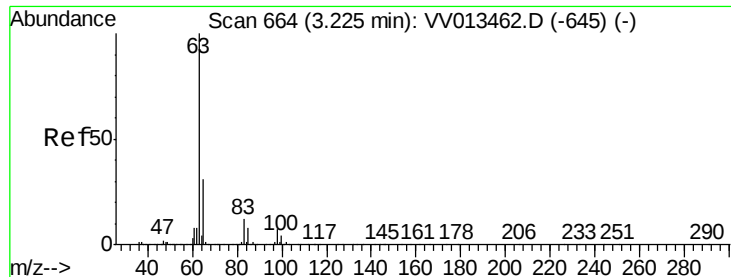


#18

trans-1,2-Dichloroethene
Concen: 1.151 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.0	98.0	182.0
98	62.1	45.6	84.8





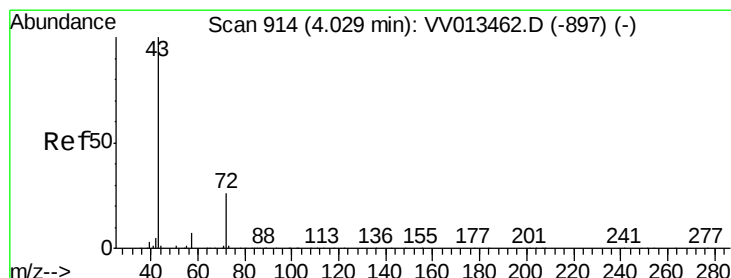
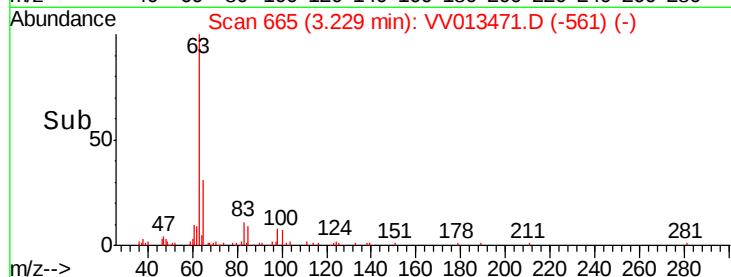
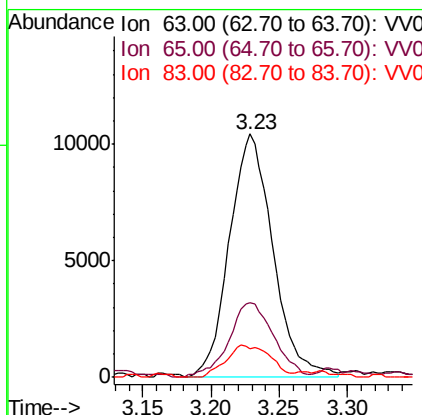
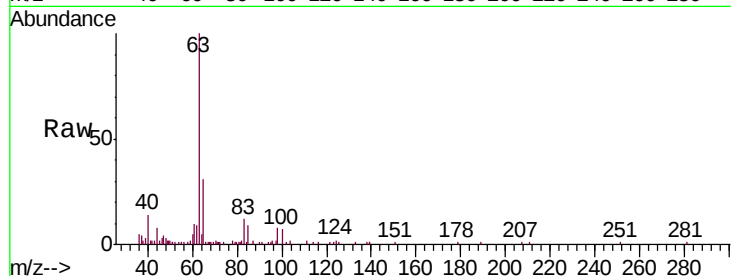
#19
 1,1-Dichloroethane
 Concen: 1.208 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013471.D
 Acq: 01 Nov 2019 16:18

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.6	21.7	40.3
83	12.0	8.8	16.3

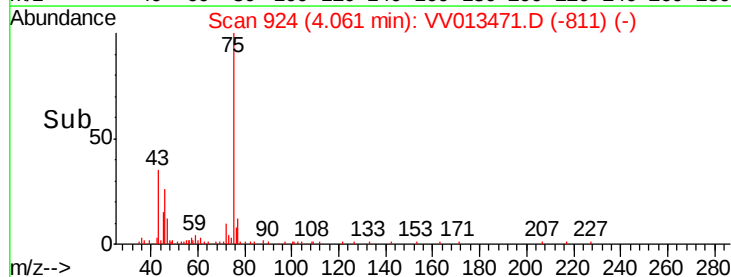
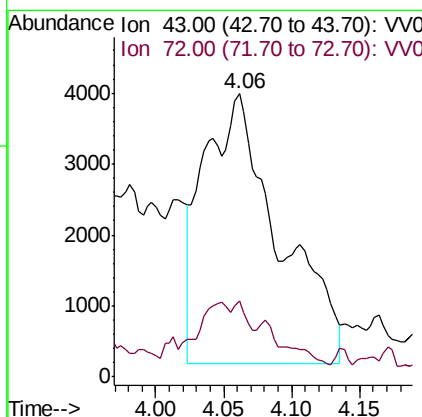
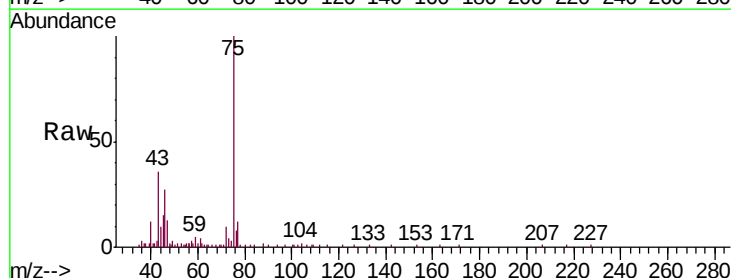
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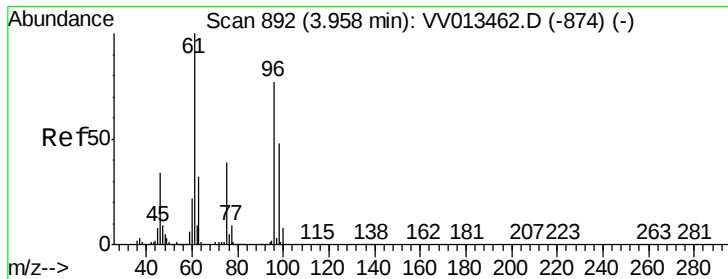
MMDadoda
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#21
 2-Butanone
 Concen: 2.813 ug/L m
 RT: 4.06 min Scan# 924
 Delta R.T. 0.03 min
 Lab File: VV013471.D
 Acq: 01 Nov 2019 16:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	3.4	12.1	36.3#





#22

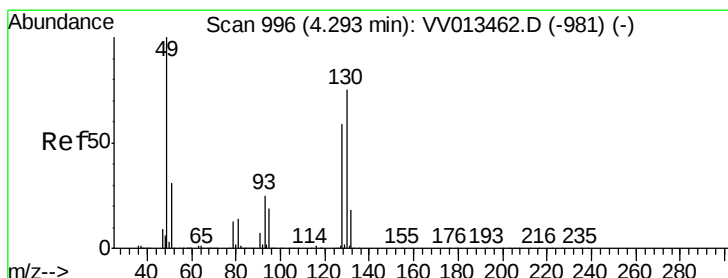
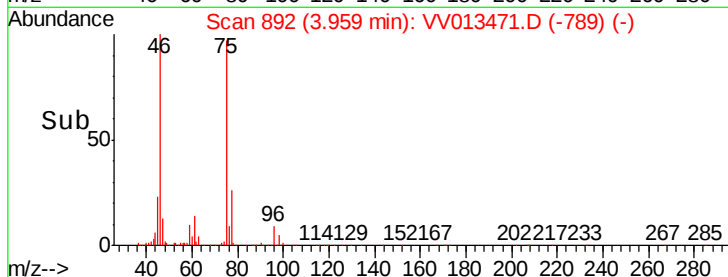
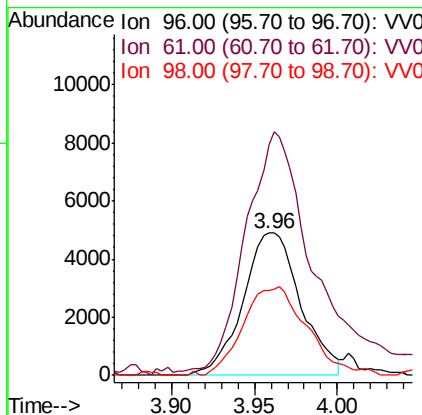
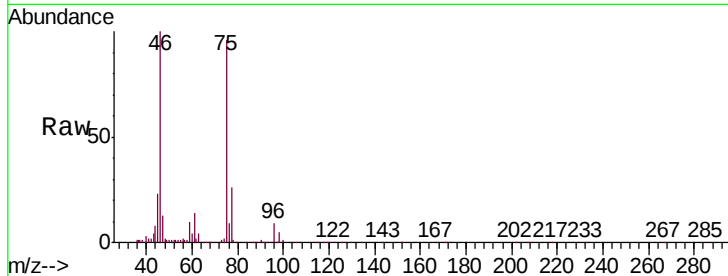
cis-1,2-Dichloroethene
Concen: 1.072 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.2	91.5	169.9
98	59.5	43.8	81.3

Manual Integrations
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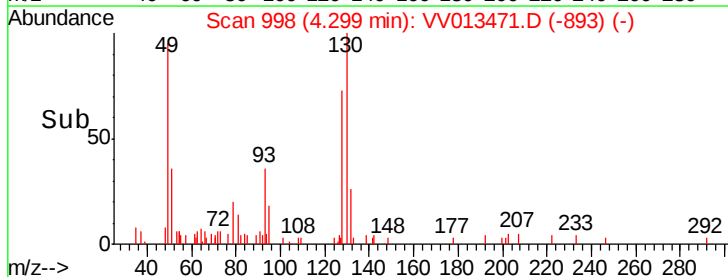
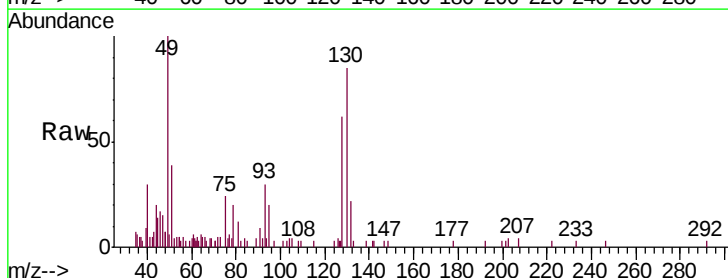
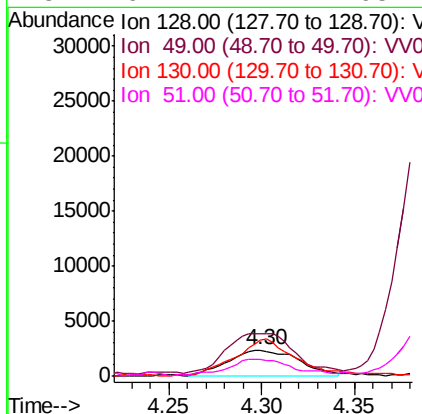
MMDadoda
11/4/2019 12:38:44 PM

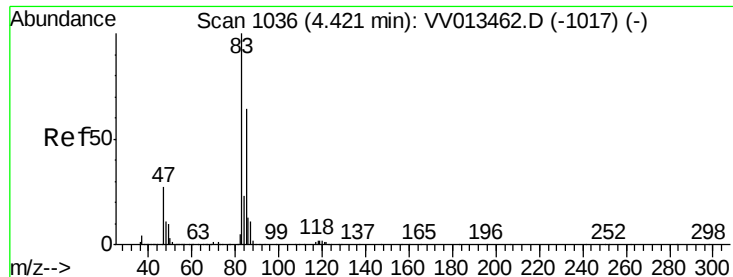


#23

Bromochloromethane
Concen: 1.178 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.01 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Tgt Ion	Ratio	Lower	Upper
128	100		
49	161.3	118.2	219.4
130	137.2	89.0	165.4
51	62.7	42.2	63.4





#25

Chloroform

Concen: 1.840 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 83 Resp: 36153

Ion Ratio Lower Upper

83 100

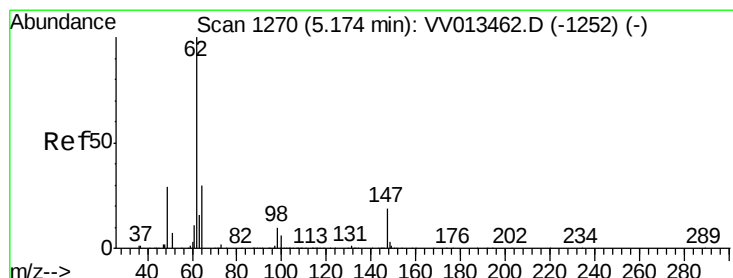
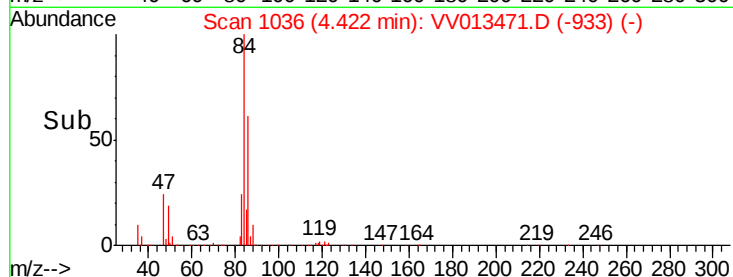
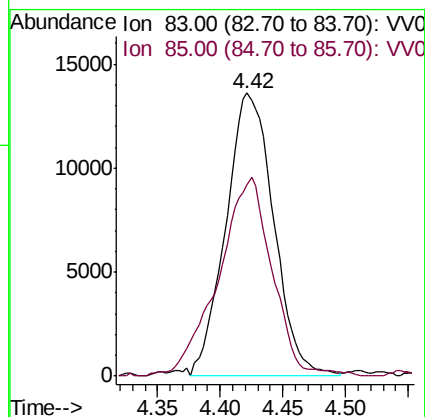
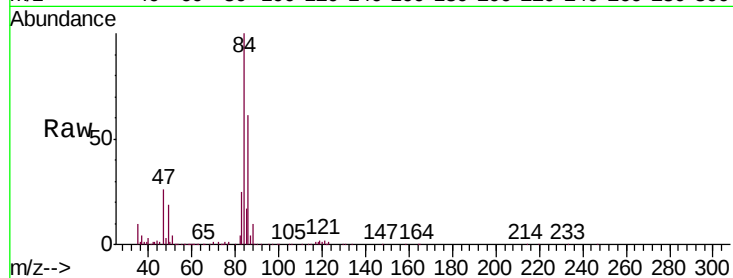
85 75.2 45.8 85.0

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#27

1,2-Dichloroethane

Concen: 1.246 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VV013471.D

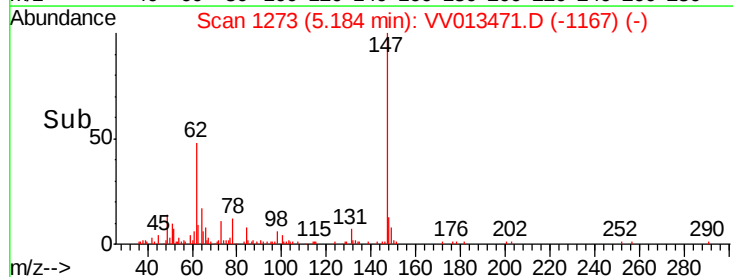
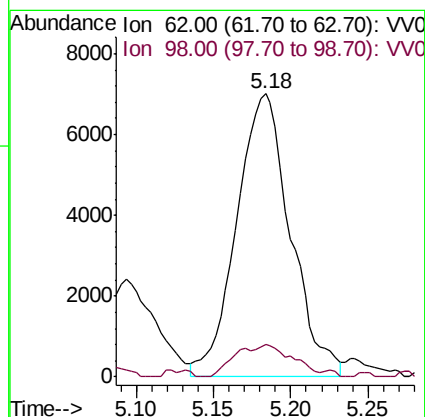
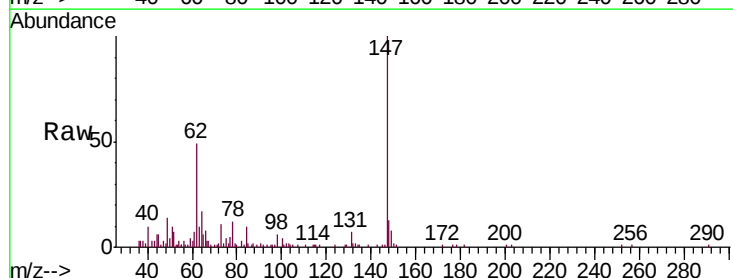
Acq: 01 Nov 2019 16:18

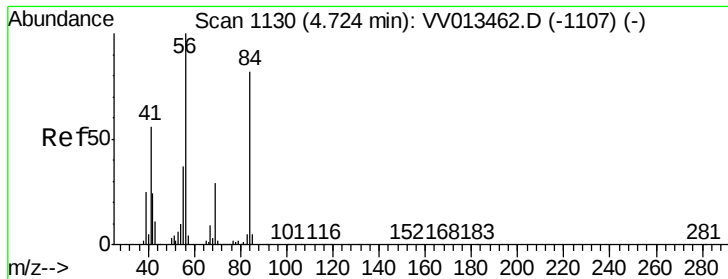
Tgt Ion: 62 Resp: 17001

Ion Ratio Lower Upper

62 100

98 11.3 7.8 11.6





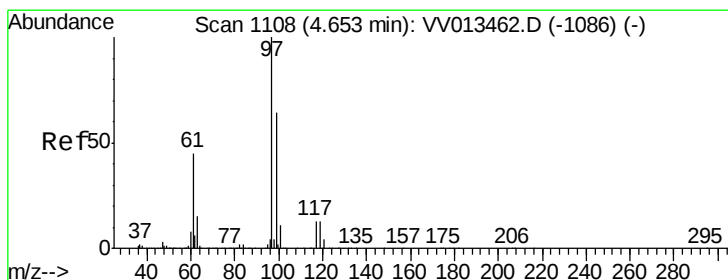
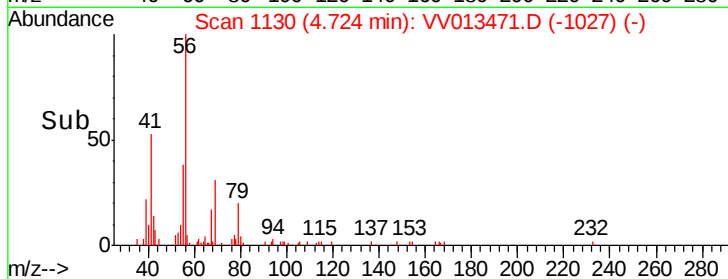
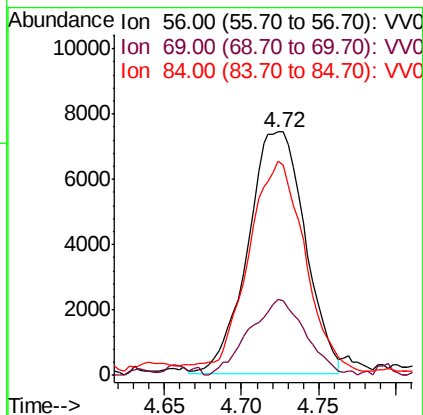
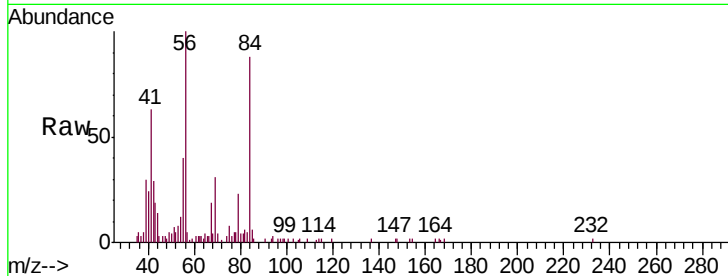
#30
Cyclohexane
Concen: 1.120 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.0	34.6
84	85.3	66.2	99.4

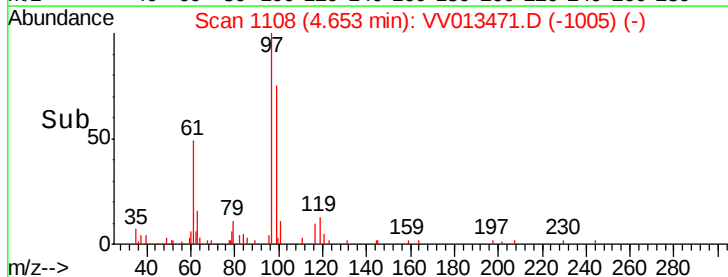
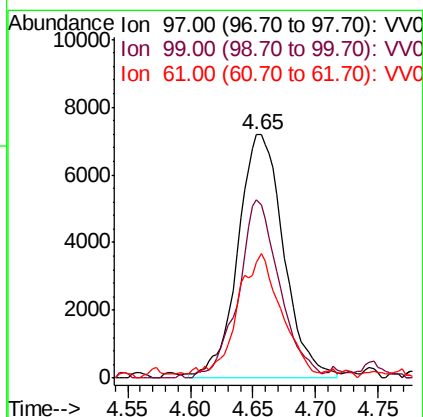
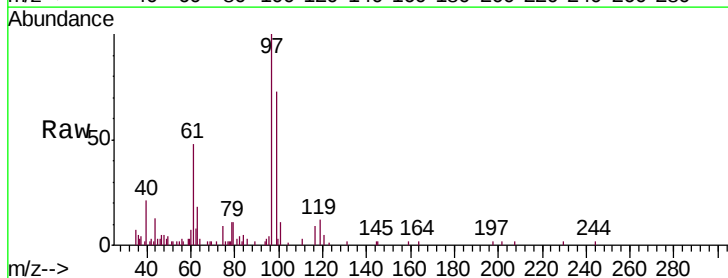
Manual Integrations
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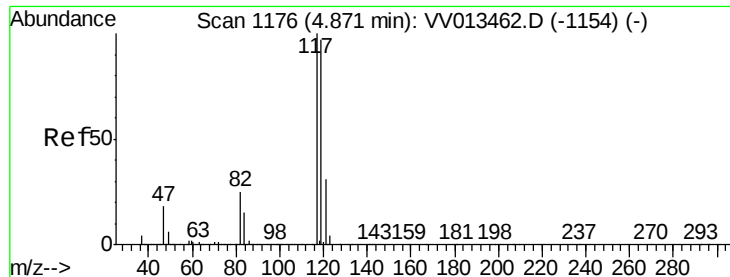
MMDadoda
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#31
1,1,1-Trichloroethane
Concen: 1.142 ug/L m
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.5	51.1	76.7#
61	0.4	36.3	54.5#





#32

Carbon tetrachloride

Concen: 1.181 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion:117 Resp: 16865

Ion Ratio Lower Upper

117 100

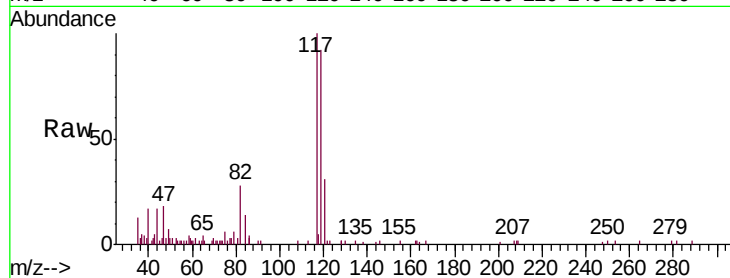
119 92.3 77.4 116.0

Manual Integrations

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8000

6000

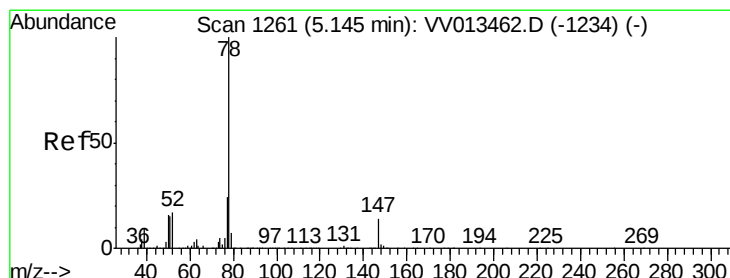
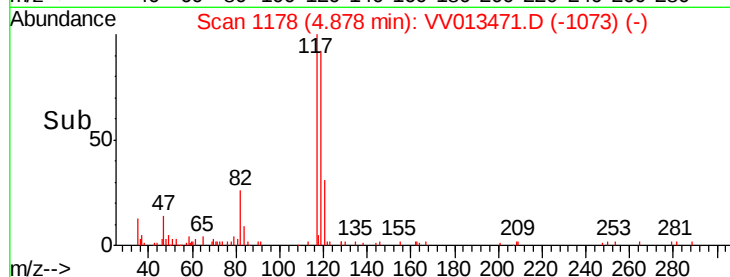
4000

2000

0

4.80 4.85 4.90 4.95

Time-->



#34

Benzene

Concen: 1.113 ug/L

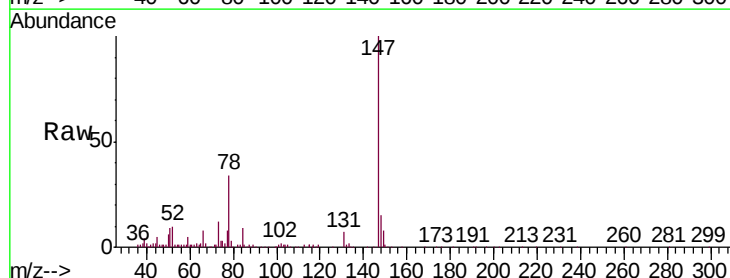
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Tgt Ion: 78 Resp: 46144



Abundance Ion 78.00 (77.70 to 78.70): VV0

20000

15000

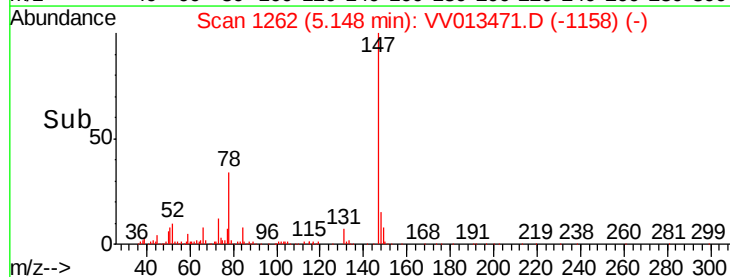
10000

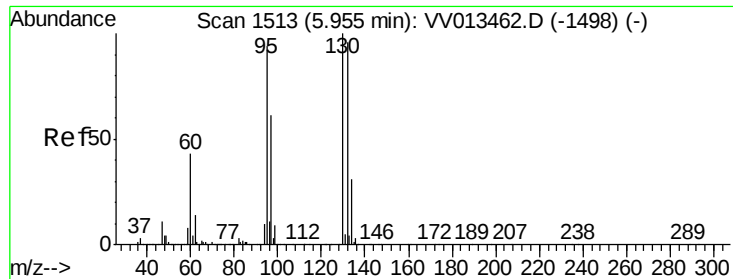
5000

0

5.10 5.15 5.20 5.25

Time-->





#35

Trichloroethene

Concen: 1.246 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Instrument :

MSVOA_V

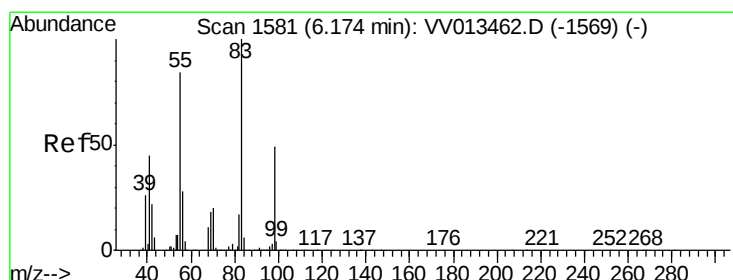
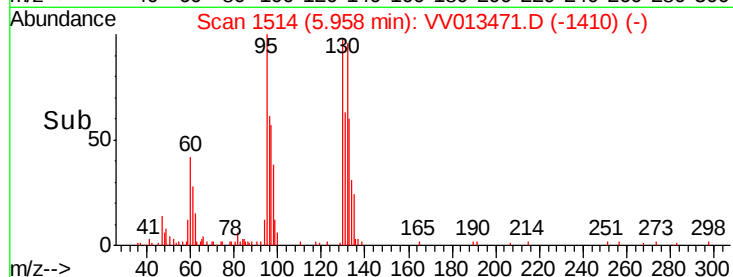
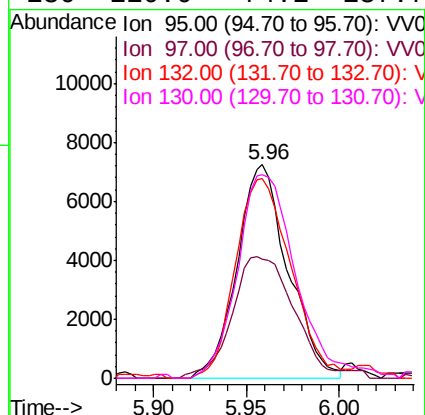
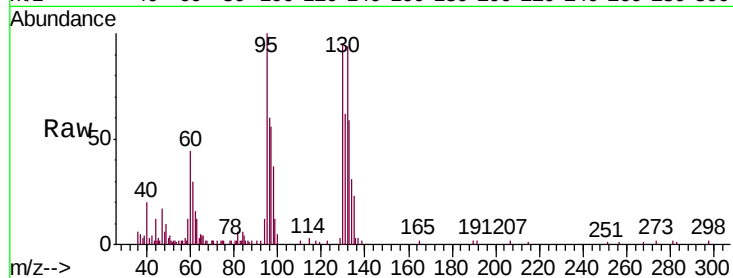
ClientSampled :

MDL05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	100		13938		
97	69.4	44.7	83.1		
132	101.3	71.0	131.8		
130	110.0	74.1	137.7		

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#36

Methylcyclohexane

Concen: 1.138 ug/L

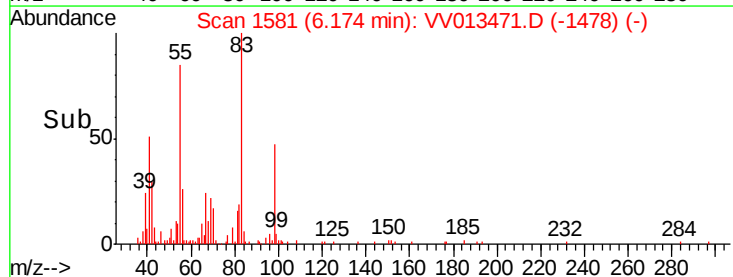
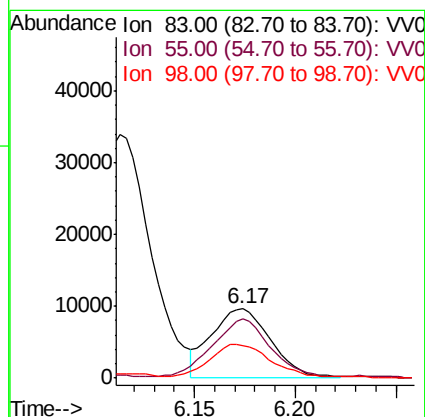
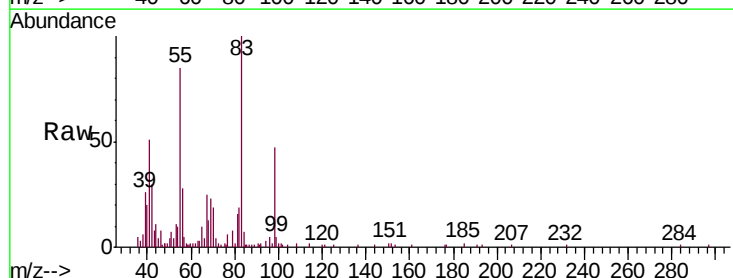
RT: 6.17 min Scan# 1581

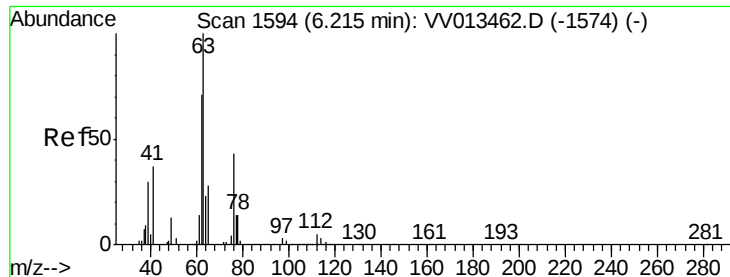
Delta R.T. 0.00 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		19938		
55	81.7	64.2	96.4		
98	51.3	38.4	57.6		





#40

1,2-Dichloropropane

Concen: 1.022 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 63 Resp: 10666

Ion Ratio Lower Upper

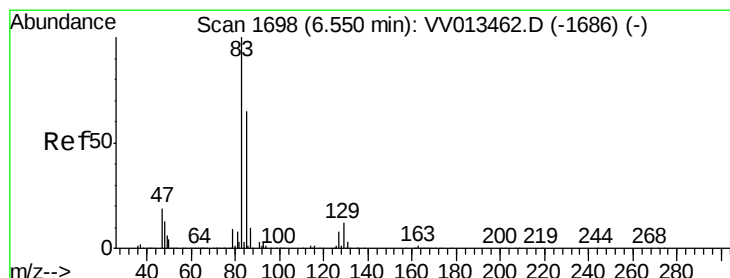
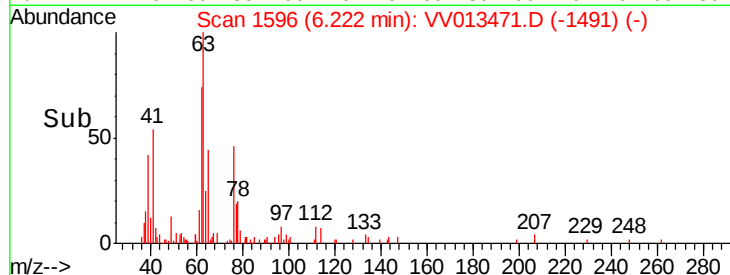
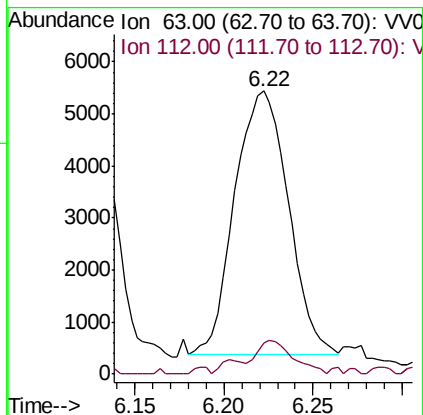
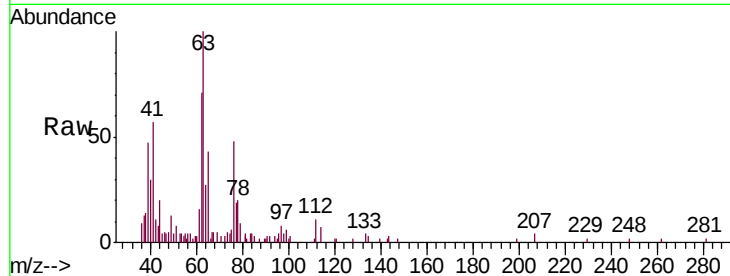
63 100

112 8.7 3.8 5.6#

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#41

Bromodichloromethane

Concen: 1.160 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

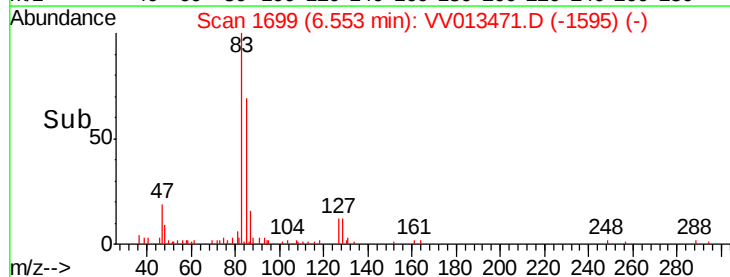
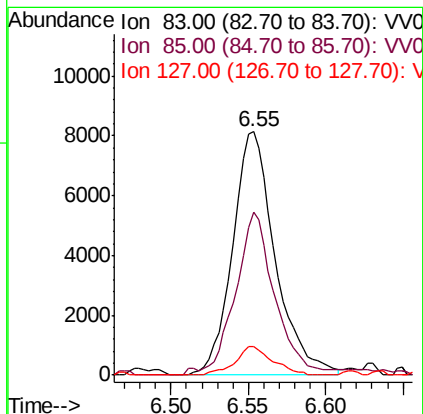
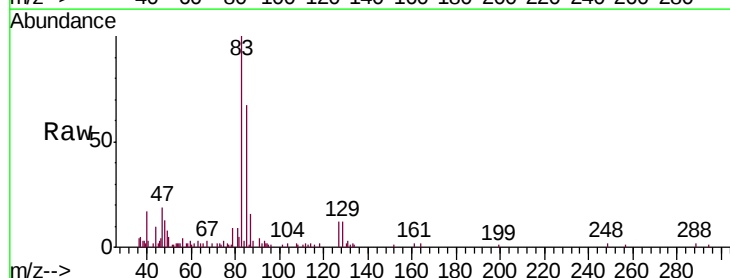
Tgt Ion: 83 Resp: 15584

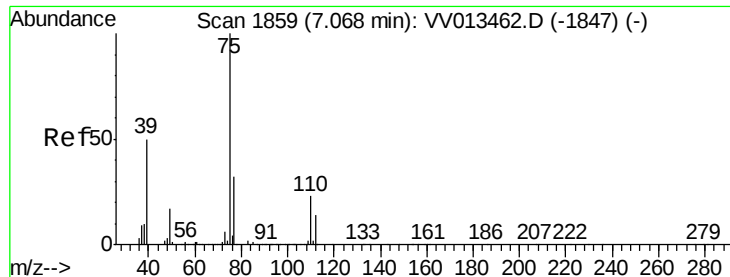
Ion Ratio Lower Upper

83 100

85 66.9 45.4 84.4

127 11.8 6.7 10.1#





#42

cis-1,3-Dichloropropene

Concen: 1.066 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 75 Resp: 16493

Ion Ratio Lower Upper

75 100

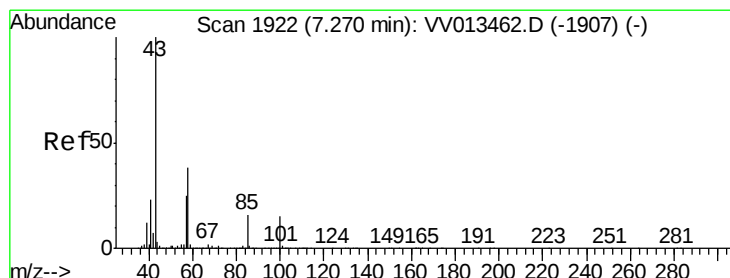
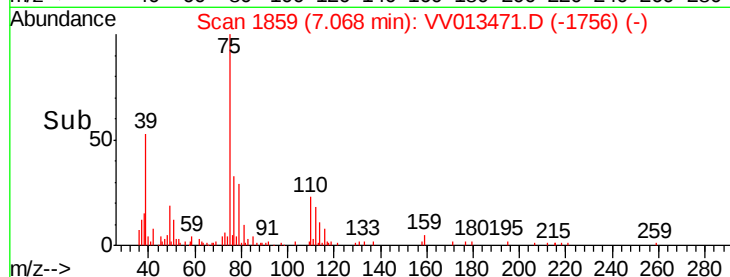
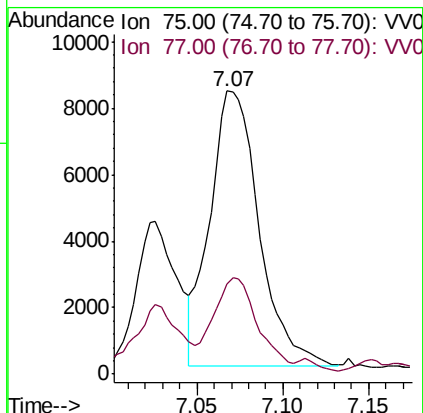
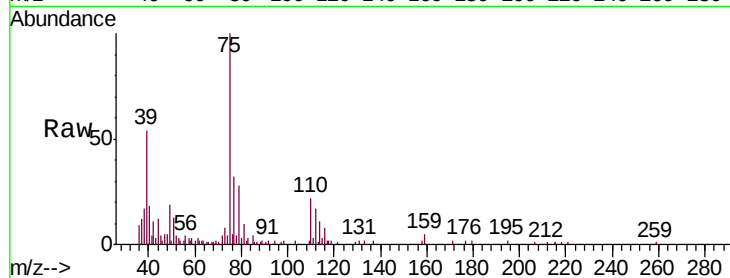
77 32.0 22.7 42.1

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#43

4-Methyl-2-pentanone

Concen: 2.575 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

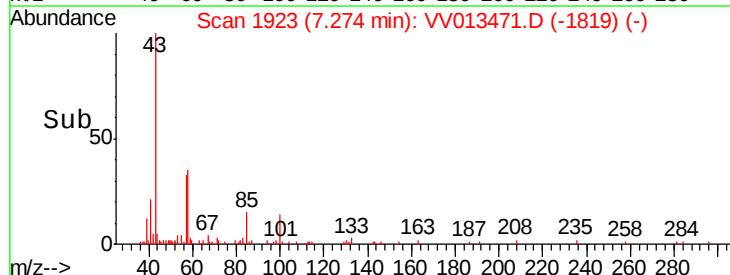
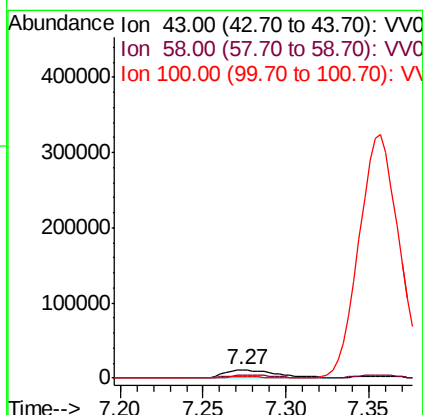
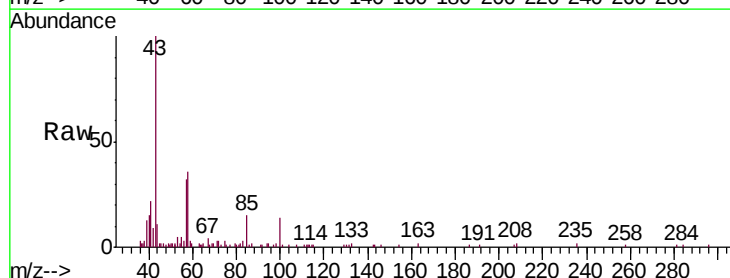
Tgt Ion: 43 Resp: 24806

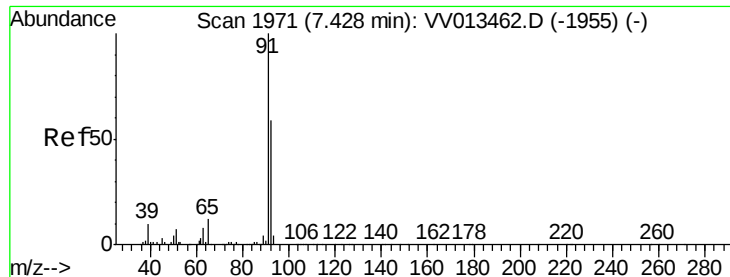
Ion Ratio Lower Upper

43 100

58 35.6 29.9 44.9

100 6.9 11.5 17.3#





#44

Toluene

Concen: 1.187 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 91 Resp: 50273

Ion Ratio Lower Upper

91 100

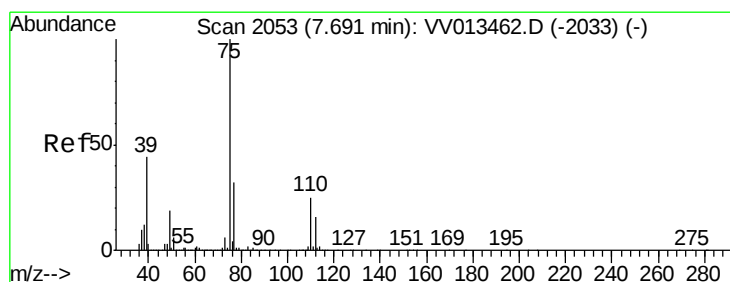
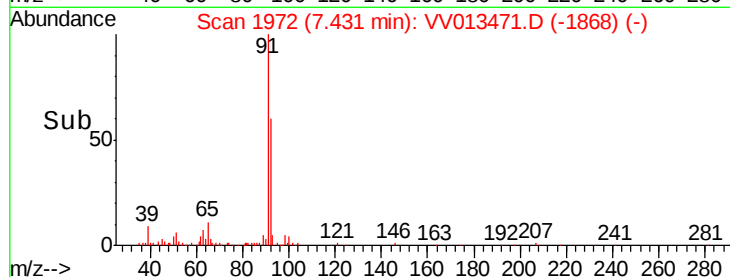
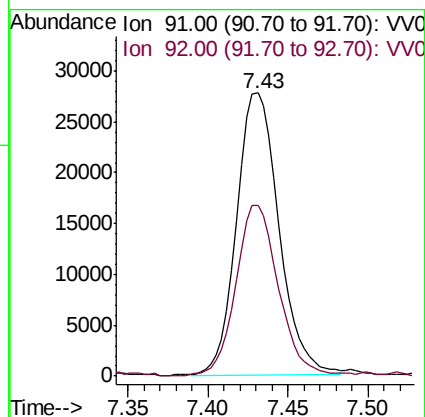
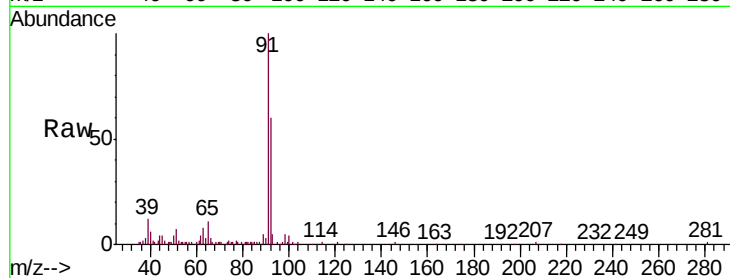
92 60.2 41.4 76.8

Manual Integrations

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#45

trans-1,3-Dichloropropene

Concen: 1.009 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013471.D

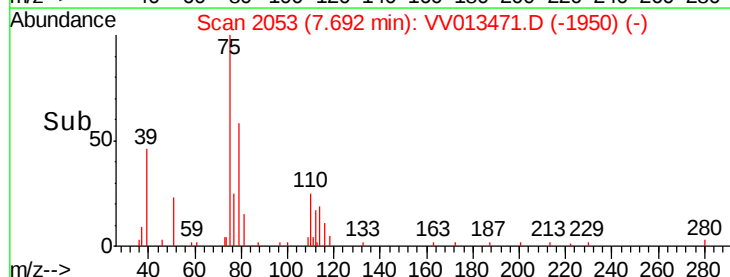
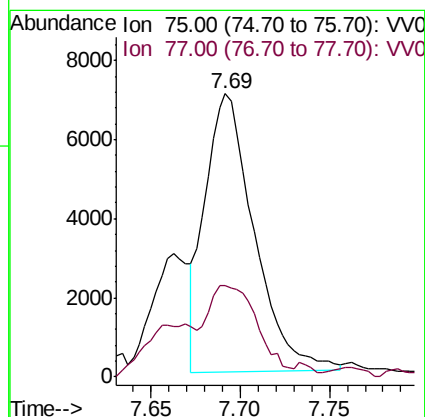
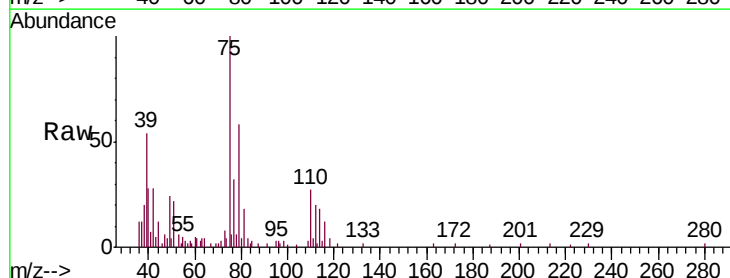
Acq: 01 Nov 2019 16:18

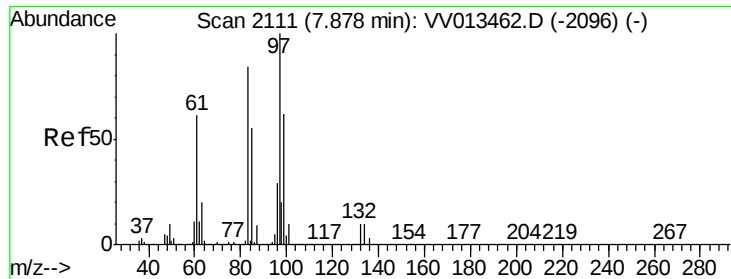
Tgt Ion: 75 Resp: 13386

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.7





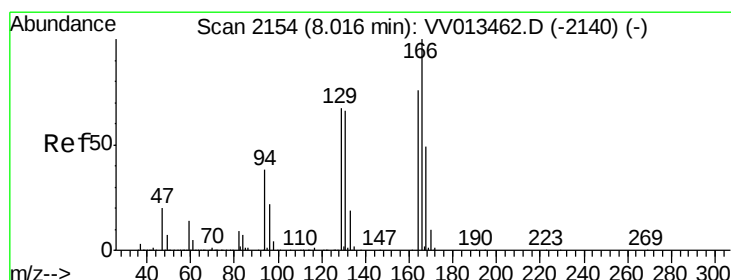
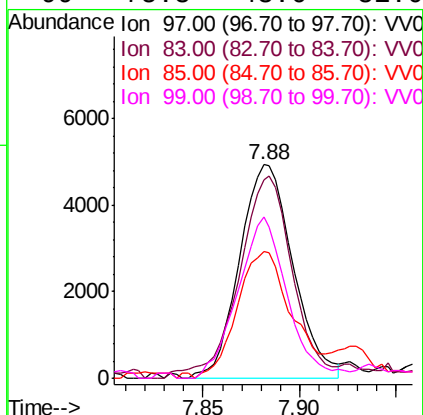
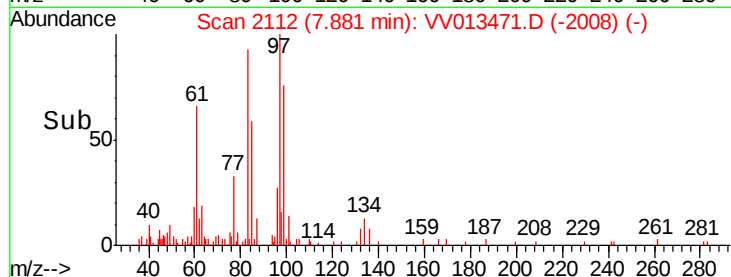
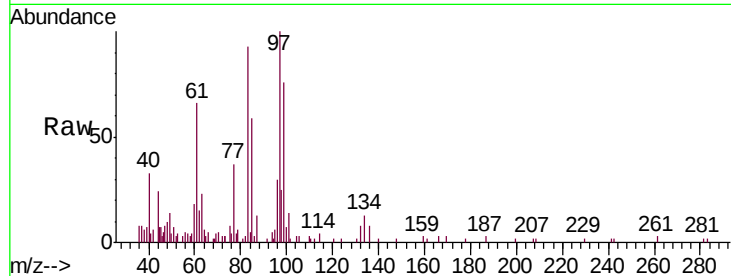
#46
 1,1,2-Trichloroethane
 Concen: 1.136 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013471.D
 Acq: 01 Nov 2019 16:18

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	9501		
83	93.1	58.9	109.3	
85	59.2	38.6	71.6	
99	75.8	43.6	81.0	

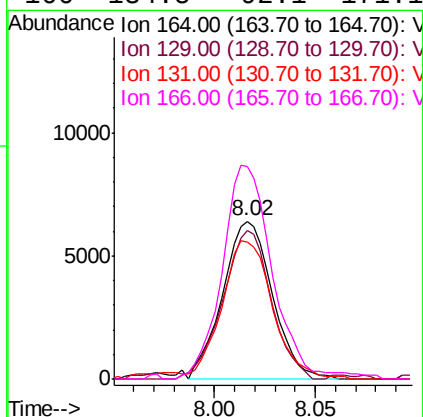
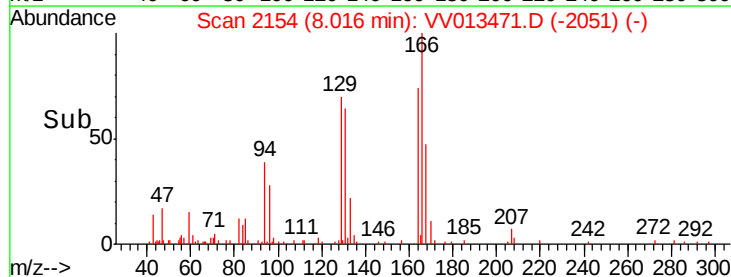
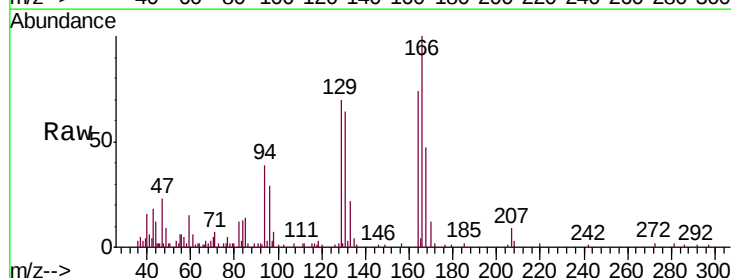
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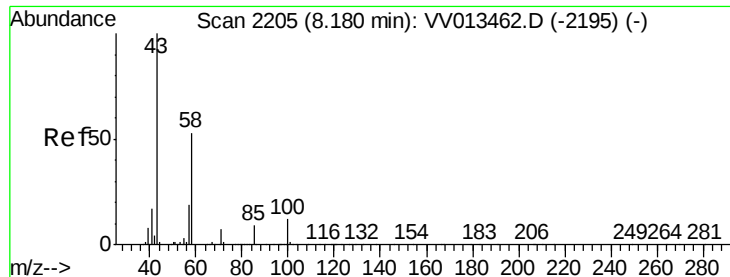
MMDadoda
 11/4/2019 12:38:44 PM



#47
 Tetrachloroethene
 Concen: 1.166 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013471.D
 Acq: 01 Nov 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	11062		
129	94.0	61.8	114.8	
131	86.5	61.0	113.2	
166	134.5	92.1	171.1	





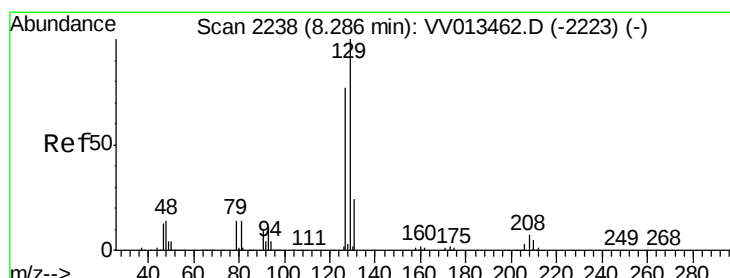
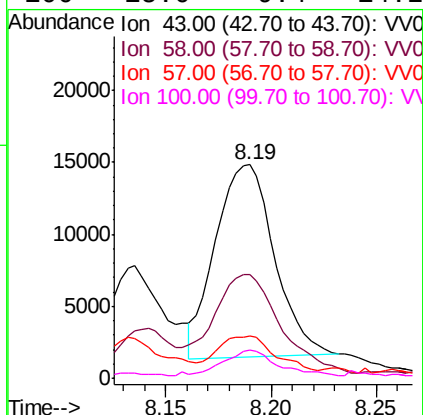
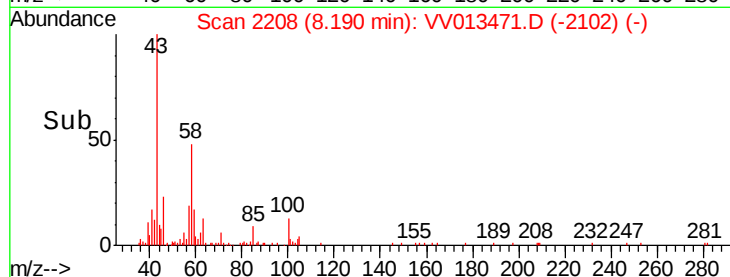
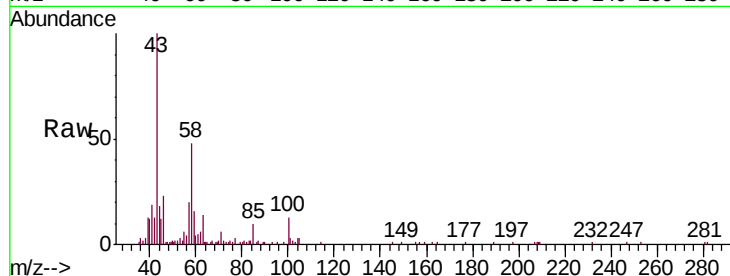
#49
2-Hexanone
Concen: 3.687 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.2	43.8	65.8
57	22.7	15.0	22.4
100	15.0	9.4	14.2

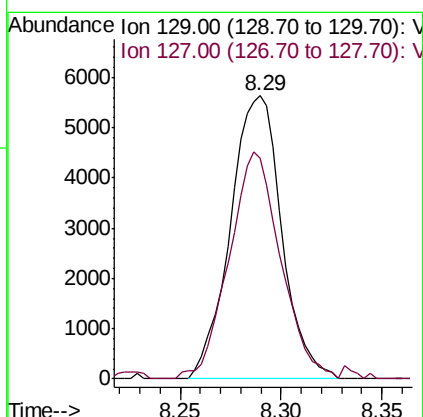
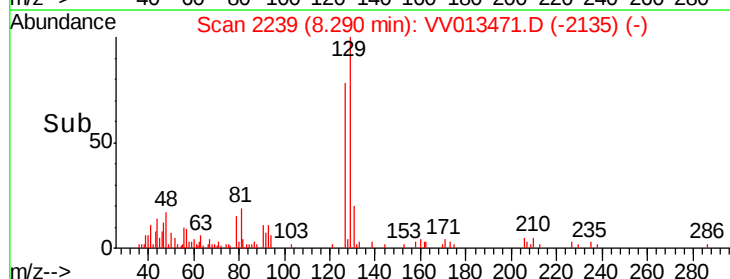
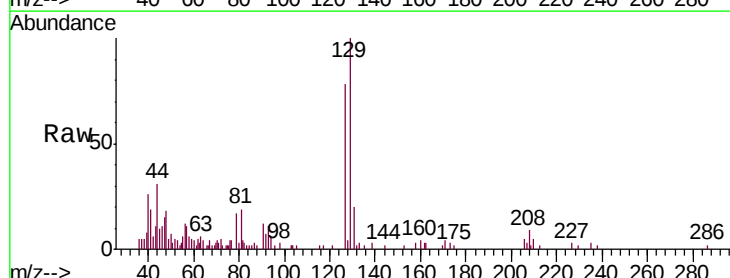
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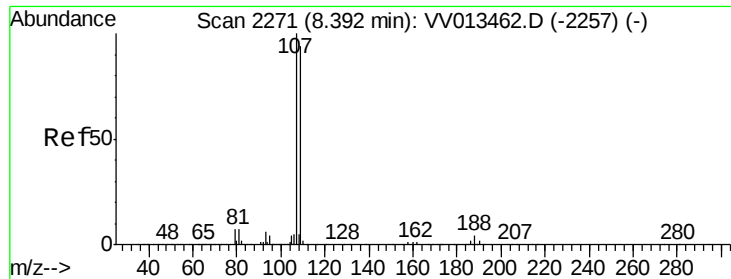
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#50
Dibromochloromethane
Concen: 1.005 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	53.9	100.1





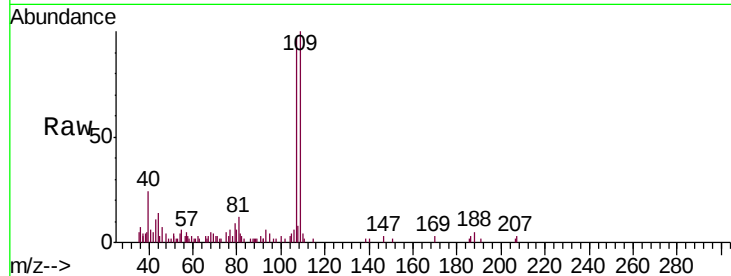
#51
1,2-Dibromoethane
Concen: 1.080 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Instrument :
MSVOA_V
ClientSampleId :
MDL05

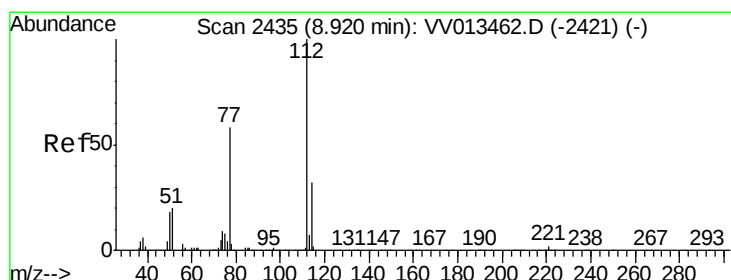
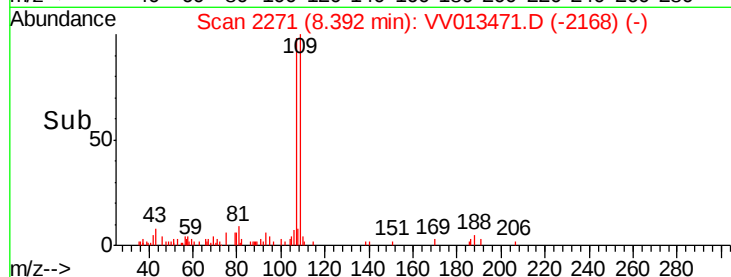
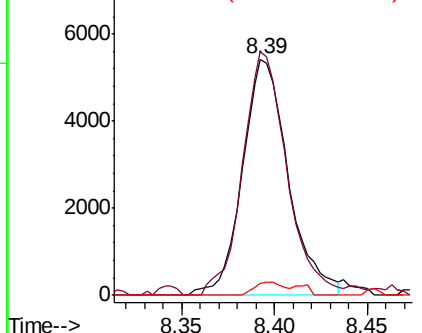
Tgt Ion	Ratio	Lower	Upper
107	100		
109	103.0	65.6	121.8
188	4.8	3.5	5.3

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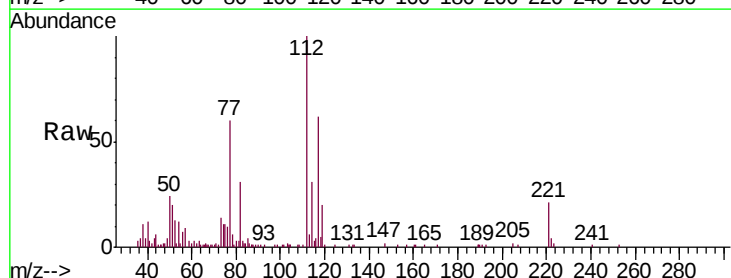


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

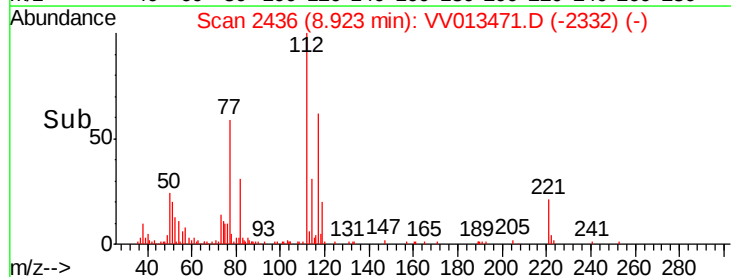
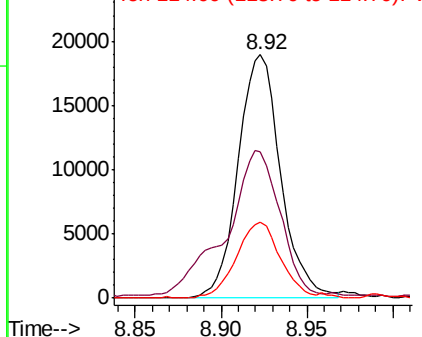


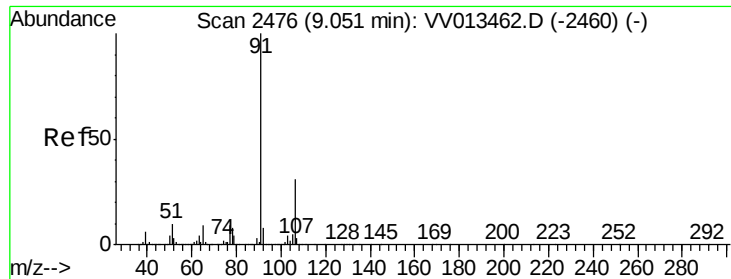
#52
Chlorobenzene
Concen: 1.140 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.0	46.6	70.0
114	31.0	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





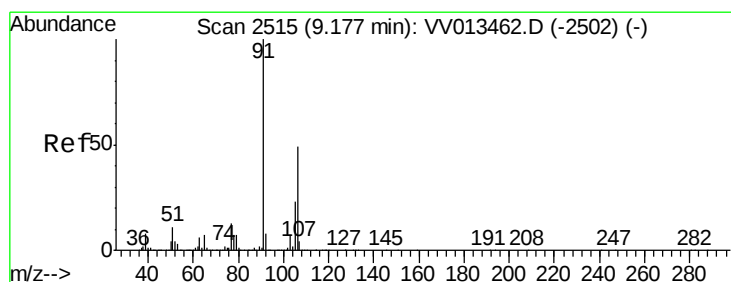
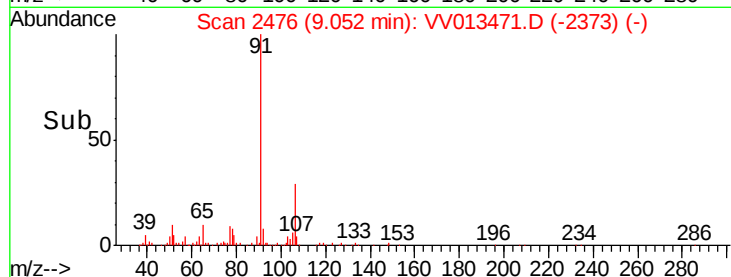
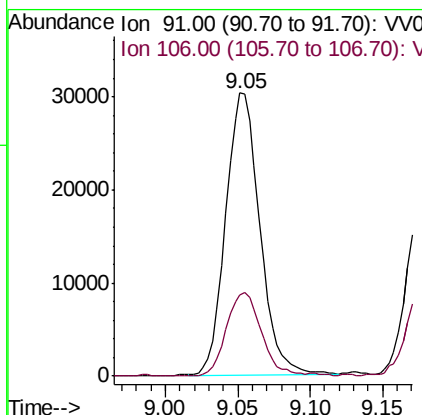
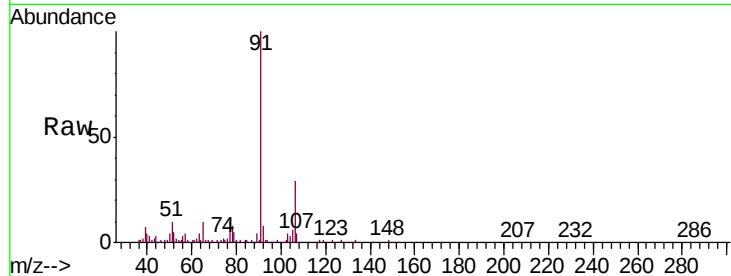
#53
Ethylbenzene
Concen: 1.069 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion: 91 Resp: 49890
Ion Ratio Lower Upper
91 100
106 28.7 21.5 39.9

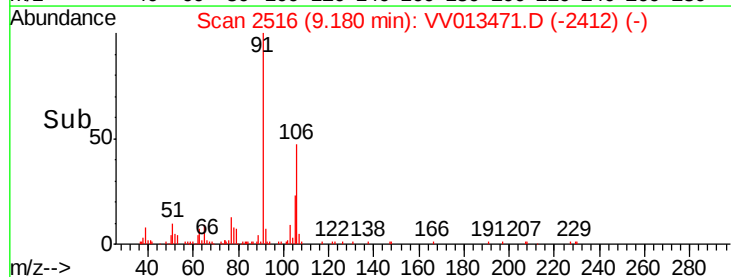
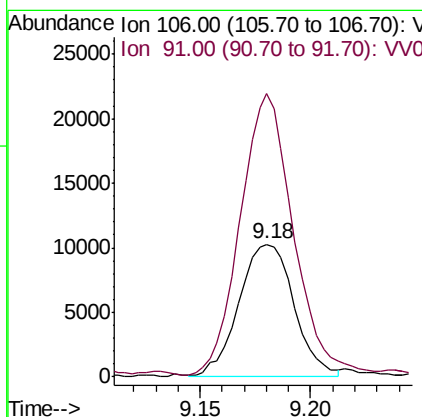
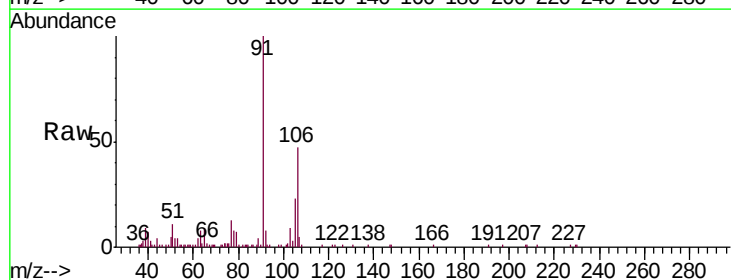
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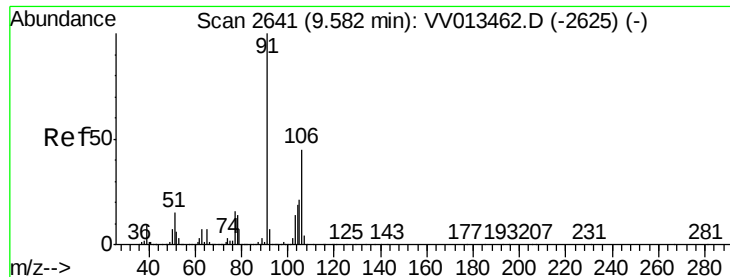
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#54
m,p-Xylene
Concen: 1.024 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Tgt Ion: 106 Resp: 17972
Ion Ratio Lower Upper
106 100
91 213.2 141.7 263.1





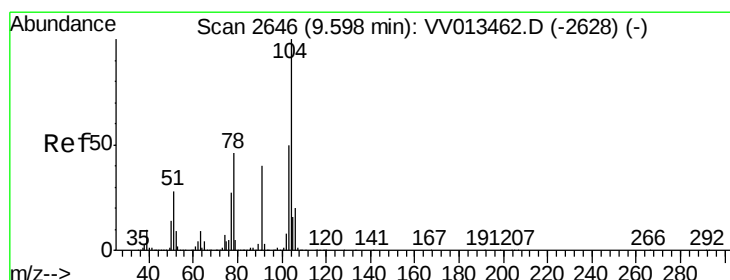
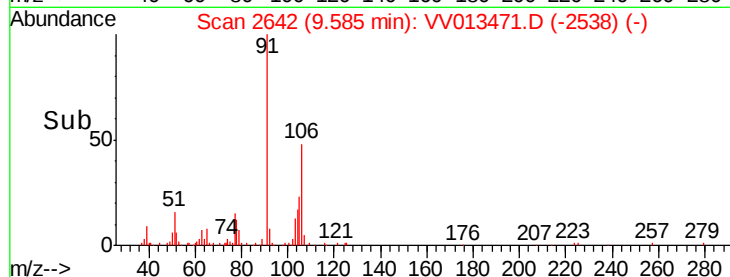
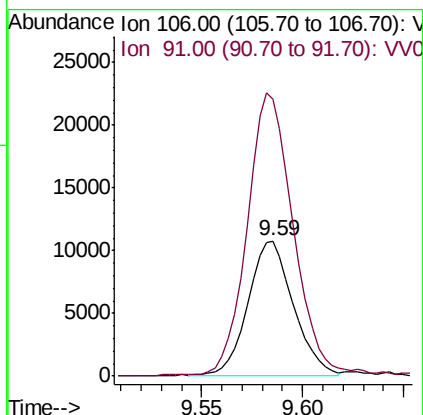
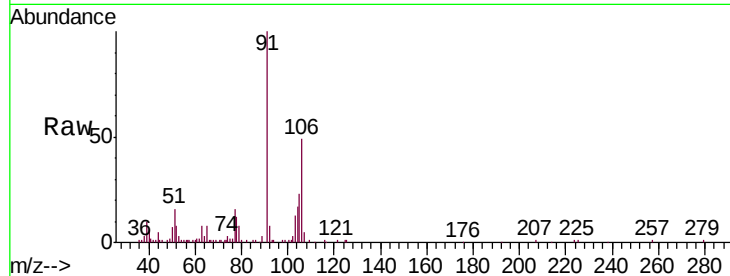
#55
o-xylene
Concen: 1.028 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion:106 Resp: 17067
Ion Ratio Lower Upper
106 100
91 205.3 154.2 286.4

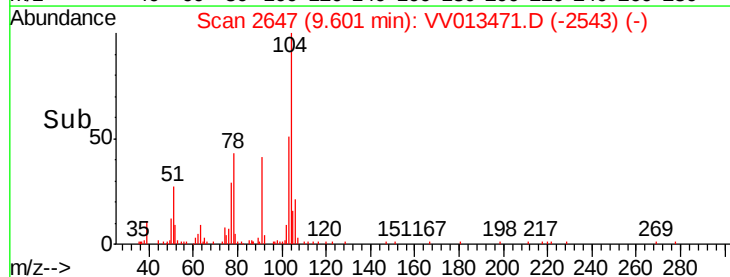
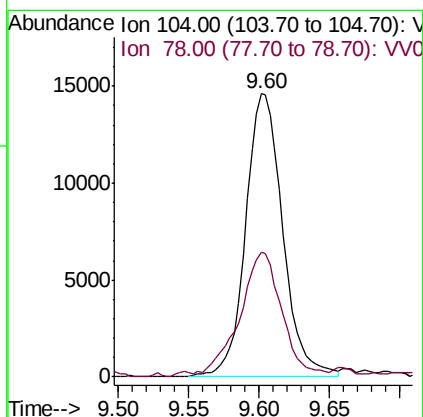
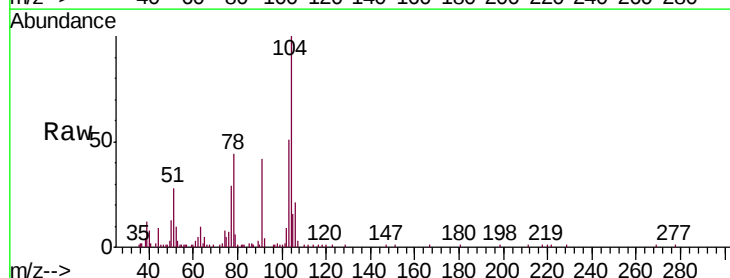
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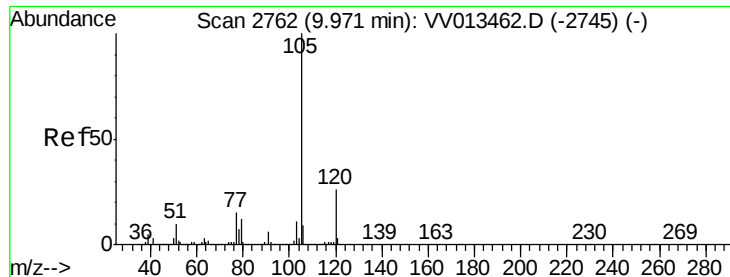
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#56
Styrene
Concen: 0.937 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Tgt Ion:104 Resp: 26962
Ion Ratio Lower Upper
104 100
78 44.0 32.1 59.5





#57

Isopropylbenzene

Concen: 0.951 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Instrument :

MSVOA_V

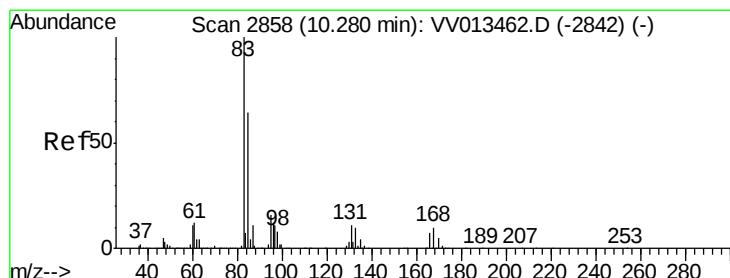
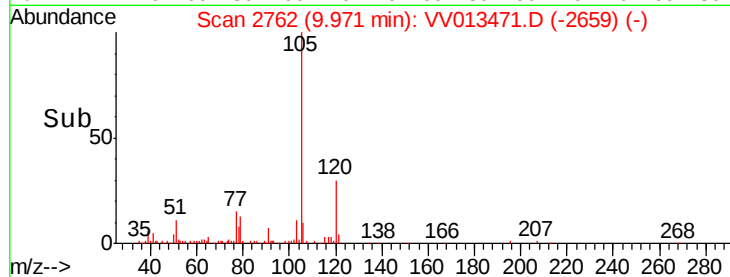
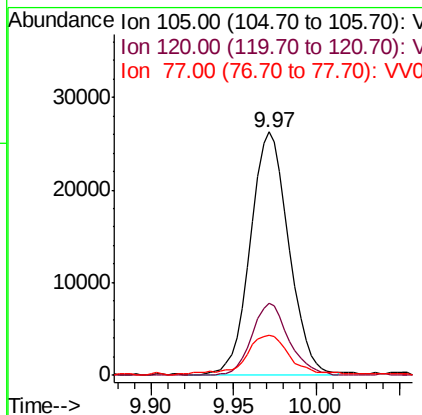
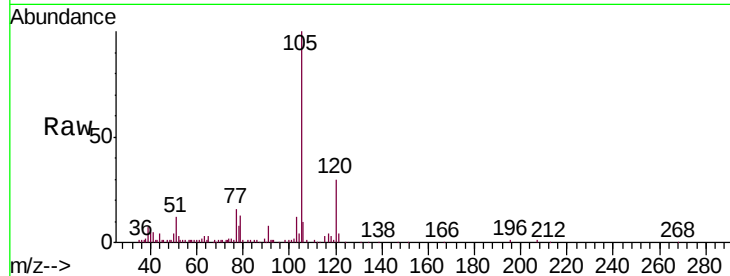
ClientSampleId :

MDL05

Tgt Ion:	105	Resp:	42582
Ion Ratio	Lower	Upper	
105	100		
120	28.4	21.1	31.7
77	16.9	12.3	18.5

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#58

1,1,2,2-Tetrachloroethane

Concen: 1.272 ug/L

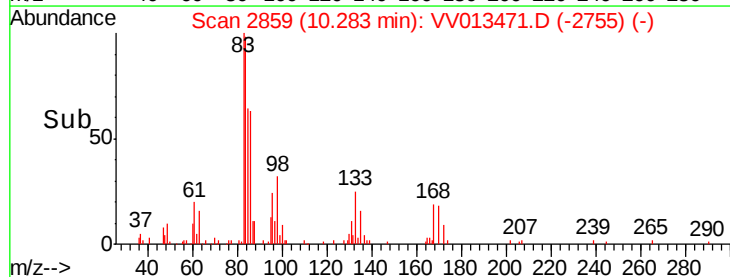
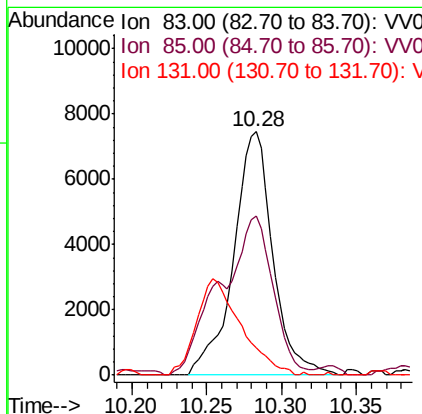
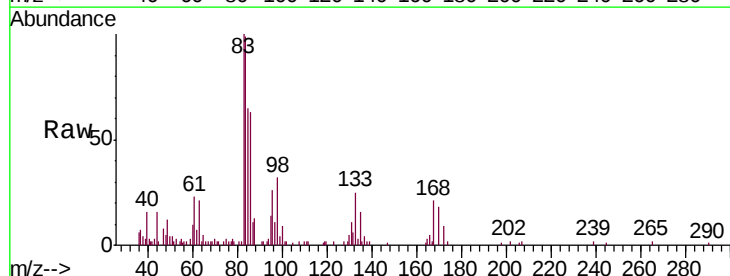
RT: 10.28 min Scan# 2859

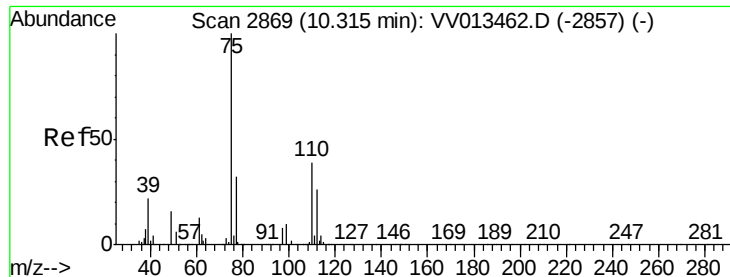
Delta R.T. 0.00 min

Lab File: VV013471.D

Acq: 01 Nov 2019 16:18

Tgt Ion:	83	Resp:	13652
Ion Ratio	Lower	Upper	
83	100		
85	65.4	45.1	83.7
131	11.2	8.5	12.7





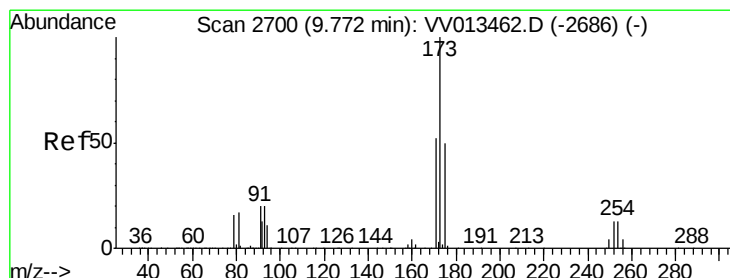
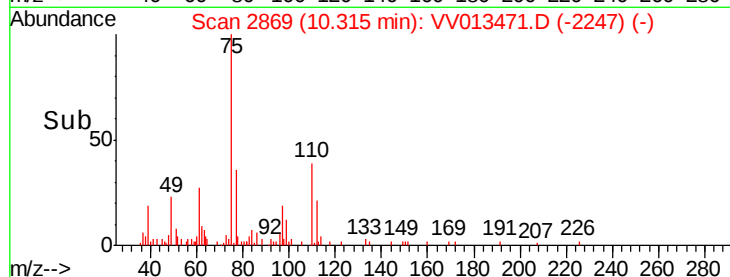
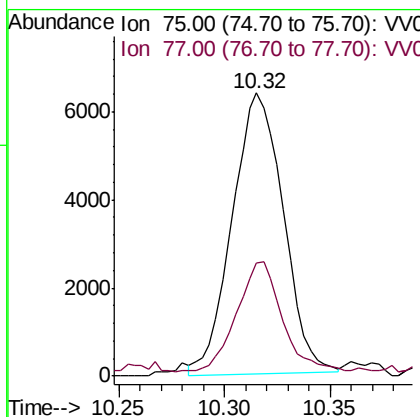
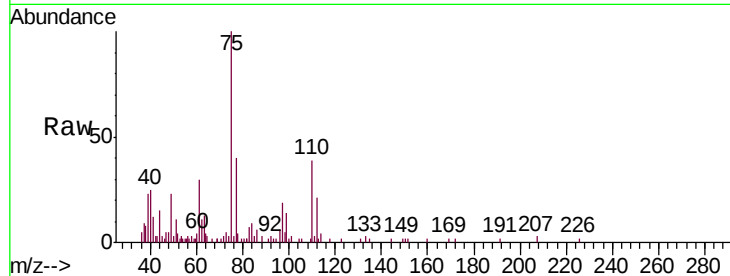
#59
 1,2,3-Trichloropropane
 Concen: 1.195 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV013471.D
 Acq: 01 Nov 2019 16:18

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion: 75 Resp: 10747
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.7 38.5

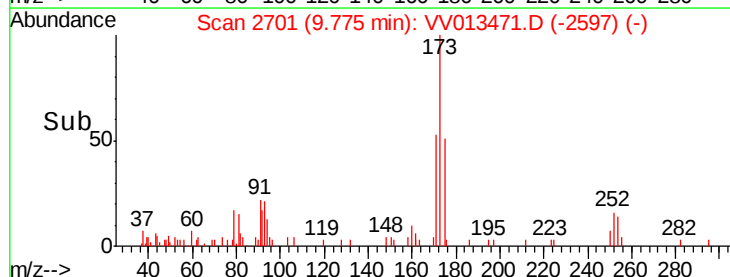
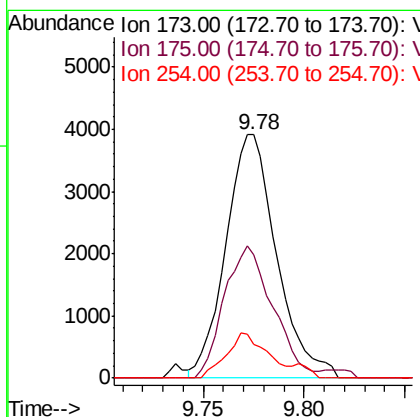
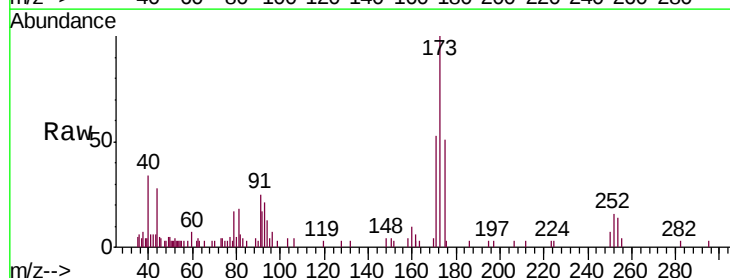
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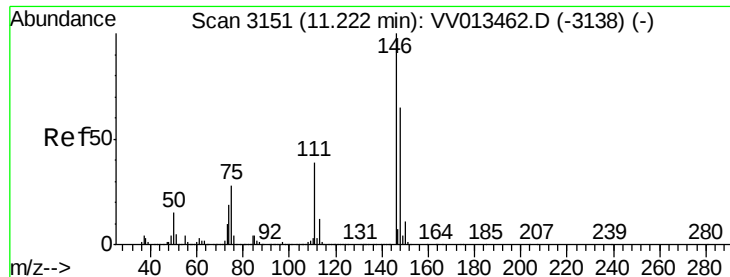
MMDadoda
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#62
 Bromoform
 Concen: 1.086 ug/L
 RT: 9.78 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV013471.D
 Acq: 01 Nov 2019 16:18

Tgt Ion: 173 Resp: 6900
 Ion Ratio Lower Upper
 173 100
 175 51.9 39.4 59.0
 254 15.1 10.1 15.1#





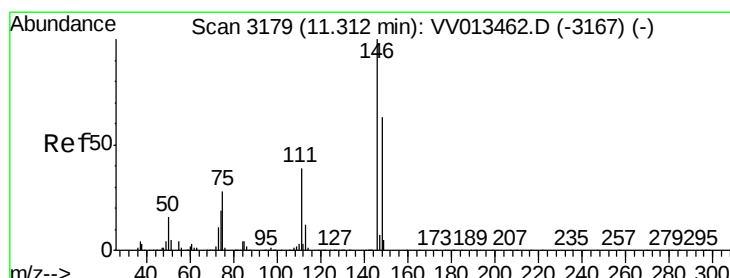
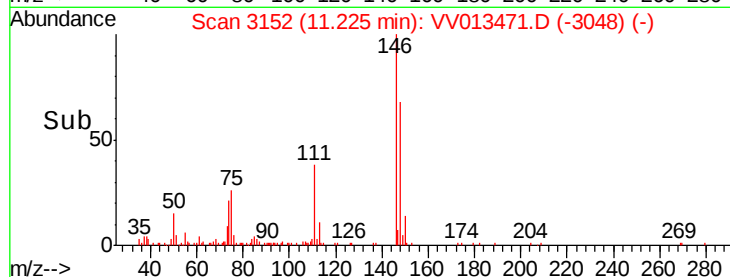
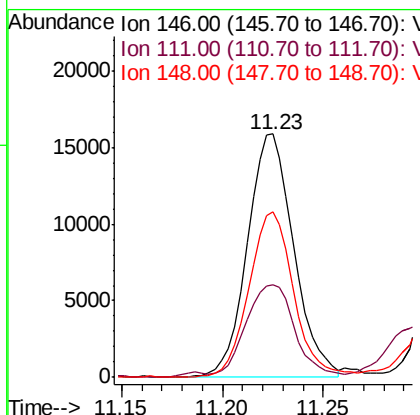
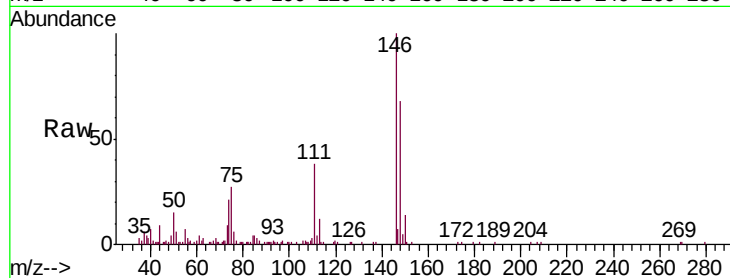
#63
 1,3-Dichlorobenzene
 Concen: 1.154 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV013471.D
 Acq: 01 Nov 2019 16:18

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	27.1	50.3
148	67.8	45.4	84.2

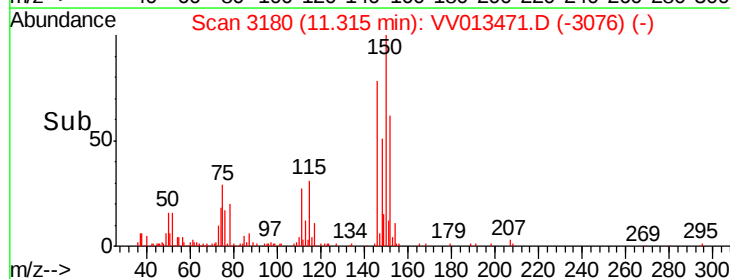
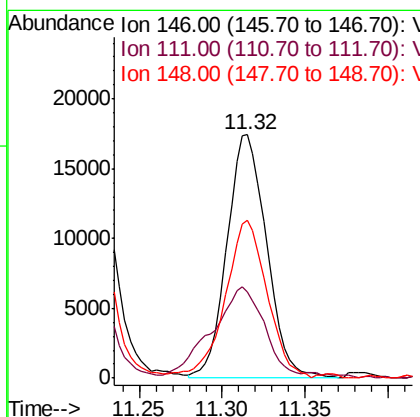
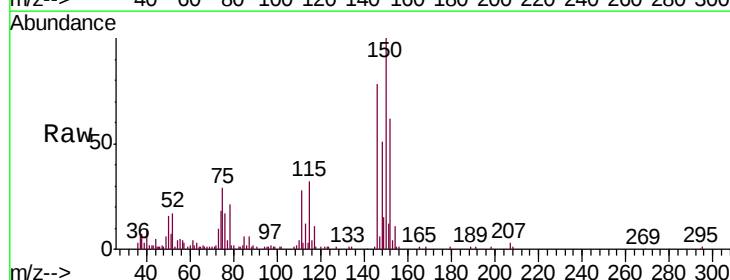
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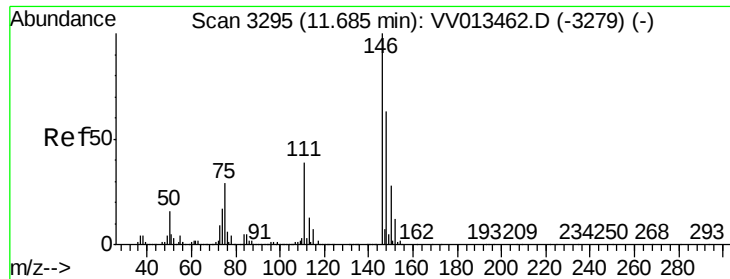
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#64
 1,4-Dichlorobenzene
 Concen: 1.281 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013471.D
 Acq: 01 Nov 2019 16:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	27.2	50.6
148	65.0	44.4	82.5





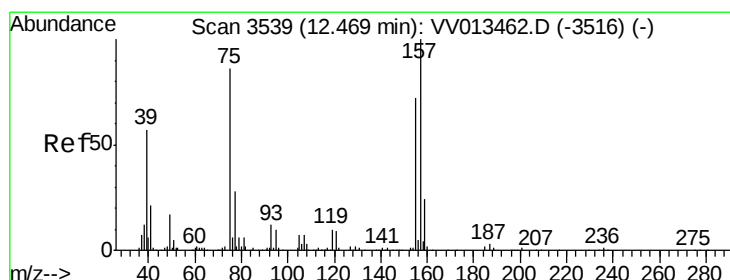
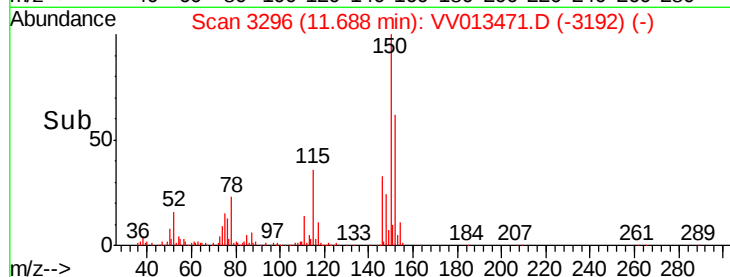
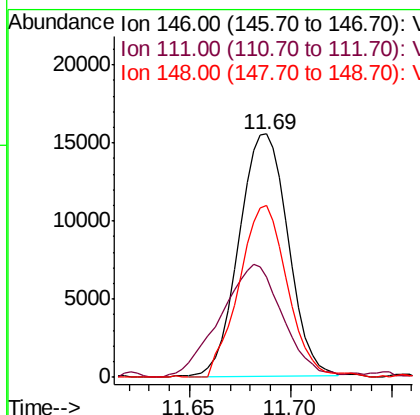
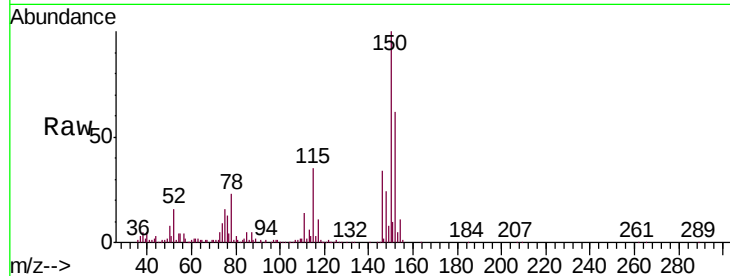
#65
 1,2-Dichlorobenzene
 Concen: 1.284 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013471.D
 Acq: 01 Nov 2019 16:18

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	31.4	47.2
148	70.5	50.5	75.7

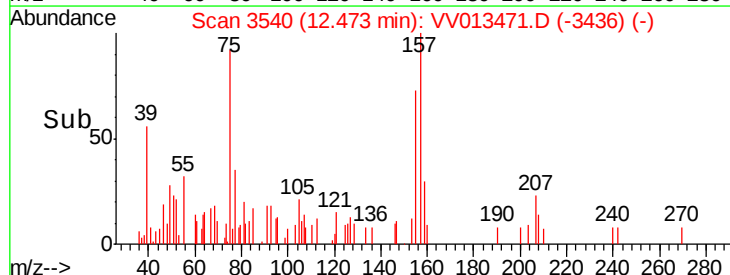
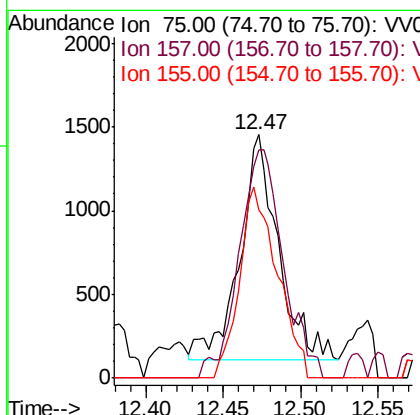
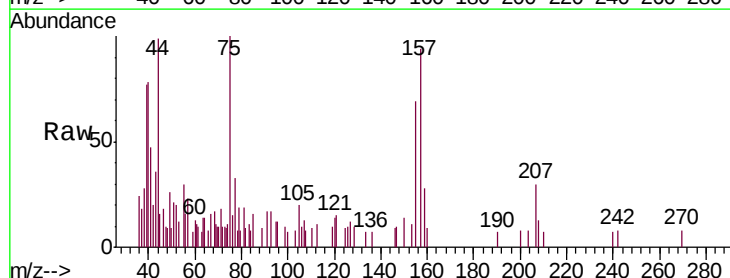
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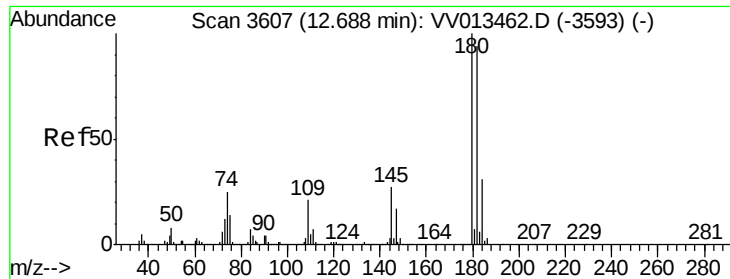
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.223 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013471.D
 Acq: 01 Nov 2019 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
157	94.0	93.2	139.8
155	68.9	66.9	100.3





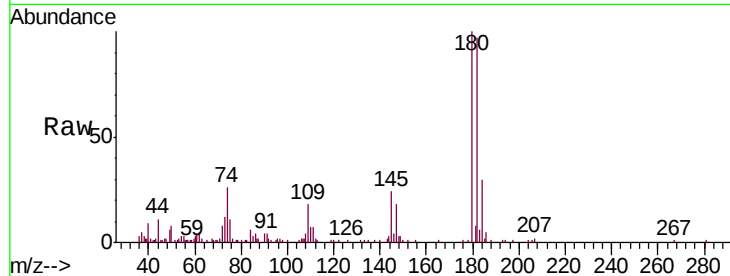
#67
 1,3,5-Trichlorobenzene
 Concen: 1.322 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013471.D
 Acq: 01 Nov 2019 16:18

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.6	74.8	112.2
184	29.8	24.3	36.5
145	24.0	21.1	31.7

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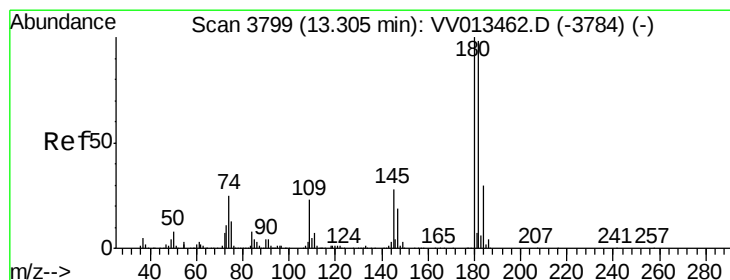
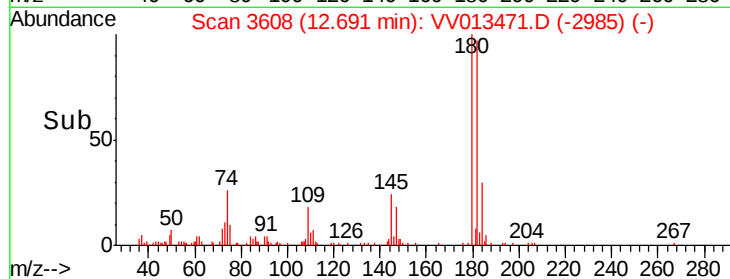
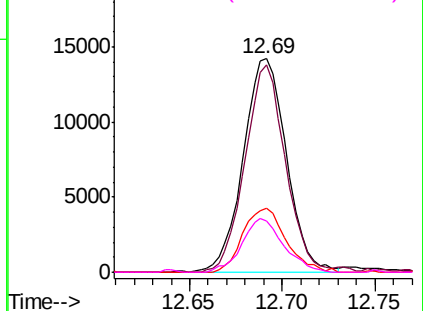
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.232 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013471.D
 Acq: 01 Nov 2019 16:18

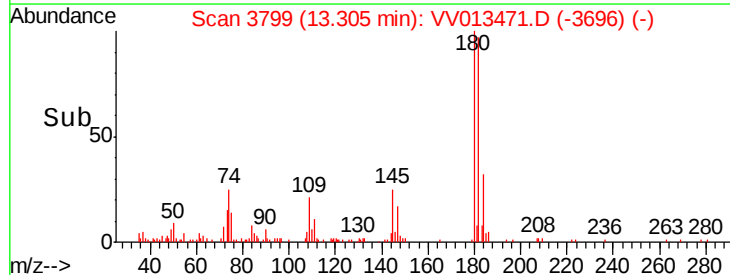
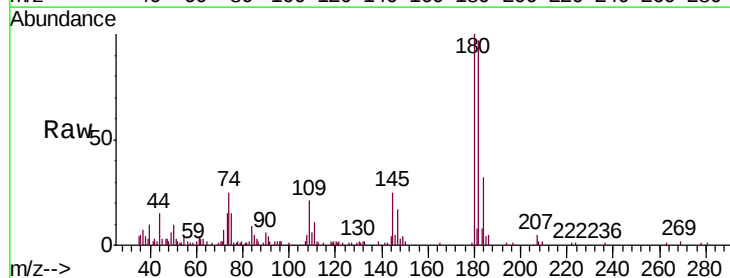
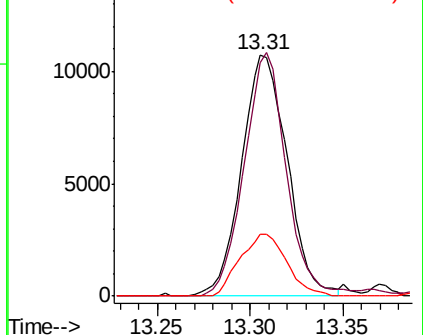
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	77.4	116.0
145	26.3	22.3	33.5

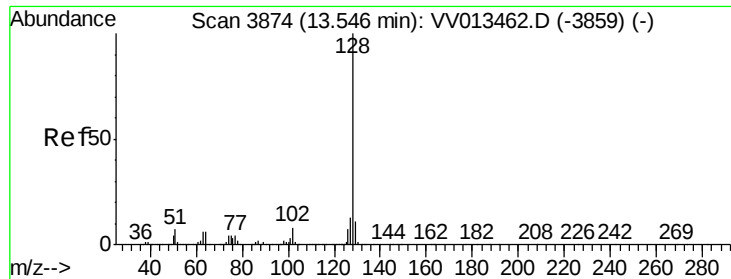
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





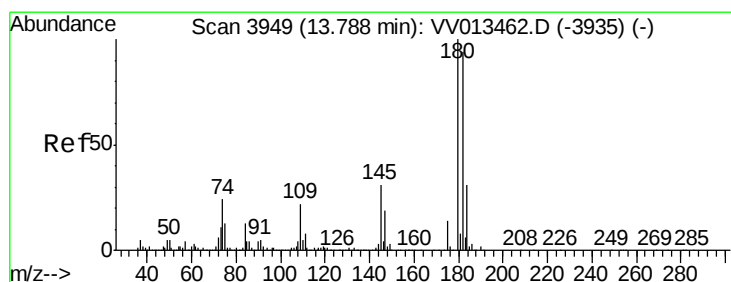
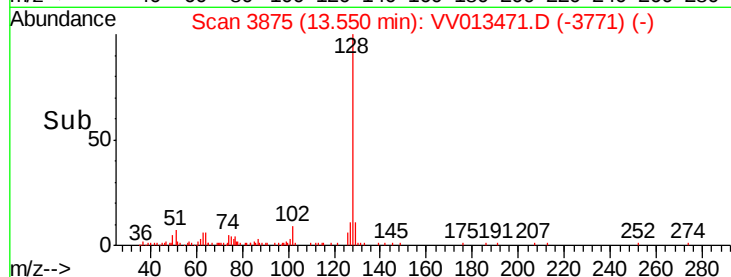
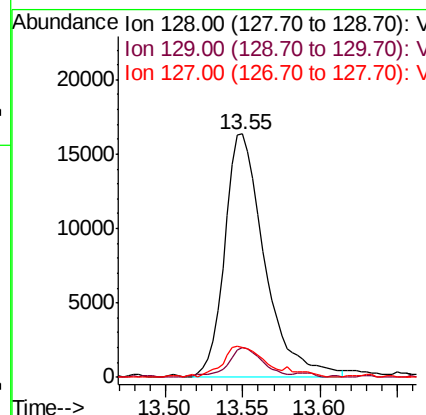
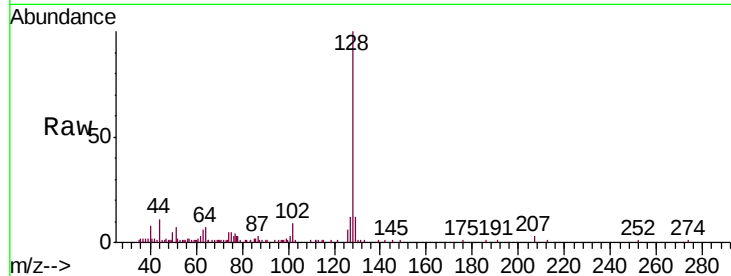
#69
Naphthalene
Concen: 1.018 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.6	13.0
127	12.6	10.5	15.7

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#70
1,2,3-Trichlorobenzene
Concen: 1.179 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV013471.D
Acq: 01 Nov 2019 16:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.9	75.2	112.8
145	31.2	23.8	35.6

