

Data File : VV013473.D
Acq On : 01 Nov 2019 17:13
Operator : SY/MD
Sample : MDL07
Misc : 5.00G/10.0ML/MSVOA_V/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Manual Integrations
APPROVED

MMDadoda
11/4/2019 12:38:54 PM

Quant Time: Nov 02 03:44:46 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	660049	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	643359	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	323222	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	236356	25.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.72%
7) Chloroethane-d5	1.58	69	183774	27.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.40%
10) 1,1-Dichloroethene-d2	2.13	63	303255	18.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.04%
20) 2-Butanone-d5	3.95	46	229169	52.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.12%
24) Chloroform-d	4.40	84	450986	24.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.52%
26) 1,2-Dichloroethane-d4	5.08	65	275209	25.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.88%
29) Benzene-d6	5.09	84	954735	25.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.12%
33) 1,2-Dichloropropane-d6	6.11	67	293116	25.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.76%
37) Toluene-d8	7.35	98	828150	24.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.88%
38) trans-1,3-Dichloropropene-	7.66	79	120284	24.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.04%
39) 2-Hexanone-d5	8.13	63	124775	50.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.26%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	260750	24.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	324142	25.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11850	1.151 ug/L	97
3) Chloromethane	1.25	50	11226	1.070 ug/L	83
5) Vinyl chloride	1.32	62	11631	1.132 ug/L #	60
6) Bromomethane	1.53	94	6131	1.270 ug/L	90
8) Chloroethane	1.60	64	6263	1.098 ug/L	97
9) Trichlorofluoromethane	1.77	101	14571	1.036 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	11687	1.392 ug/L #	83
12) 1,1-Dichloroethene	2.13	96	10913m	1.375 ug/L	
13) Acetone	2.22	43	21786	4.275 ug/L	71
14) Carbon disulfide	2.32	76	30978	1.006 ug/L	97
15) Methyl Acetate	2.47	43	7277	0.949 ug/L #	89
16) Methylene chloride	2.53	84	26138	2.128 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	26068	1.001 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	11113	1.050 ug/L	92
19) 1,1-Dichloroethane	3.23	63	19272	0.999 ug/L	97
21) 2-Butanone	4.06	43	12706m	2.417 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	11210	1.008 ug/L	94

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	5246	0.983	ug/L	94
25) Chloroform	4.42	83	35474	1.796	ug/L	85
27) 1,2-Dichloroethane	5.18	62	14184	1.034	ug/L	98
30) Cyclohexane	4.72	56	17100	0.984	ug/L	89
31) 1,1,1-Trichloroethane	4.66	97	16581	1.016	ug/L	96
32) Carbon tetrachloride	4.87	117	14872	1.023	ug/L	99
34) Benzene	5.14	78	42155	0.999	ug/L	100
35) Trichloroethene	5.96	95	12271	1.077	ug/L #	89
36) Methylcyclohexane	6.17	83	17621	0.988	ug/L	95
40) 1,2-Dichloropropane	6.22	63	10675	1.004	ug/L #	95
41) Bromodichloromethane	6.55	83	13884	1.015	ug/L #	95
42) cis-1,3-Dichloropropene	7.07	75	15253	0.968	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	22275	2.271	ug/L #	97
44) Toluene	7.43	91	47300	1.097	ug/L	92
45) trans-1,3-Dichloropropene	7.69	75	11955	0.885	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	8829	1.037	ug/L	96
47) Tetrachloroethene	8.02	164	10484	1.085	ug/L	95
49) 2-Hexanone	8.19	43	30067	4.210	ug/L	88
50) Dibromochloromethane	8.29	129	9881	0.970	ug/L	98
51) 1,2-Dibromoethane	8.39	107	9217	1.047	ug/L	87
52) Chlorobenzene	8.92	112	30253	1.037	ug/L	100
53) Ethylbenzene	9.05	91	44777	0.942	ug/L	99
54) m,p-Xylene	9.18	106	16197	0.906	ug/L	90
55) o-xylene	9.59	106	14518	0.859	ug/L	91
56) Styrene	9.60	104	24284	0.829	ug/L	94
57) Isopropylbenzene	9.97	105	37407	0.820	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	13051	1.195	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	10038	1.096	ug/L	92
62) Bromoform	9.77	173	6198	0.968	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	23448	1.051	ug/L	92
64) 1,4-Dichlorobenzene	11.31	146	25721	1.127	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	24229	1.168	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	2305	1.208	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	19591	1.110	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	15630	1.039	ug/L	97
69) Naphthalene	13.55	128	26867	0.923	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	14632	1.040	ug/L	93

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

Data File : VV013473.D

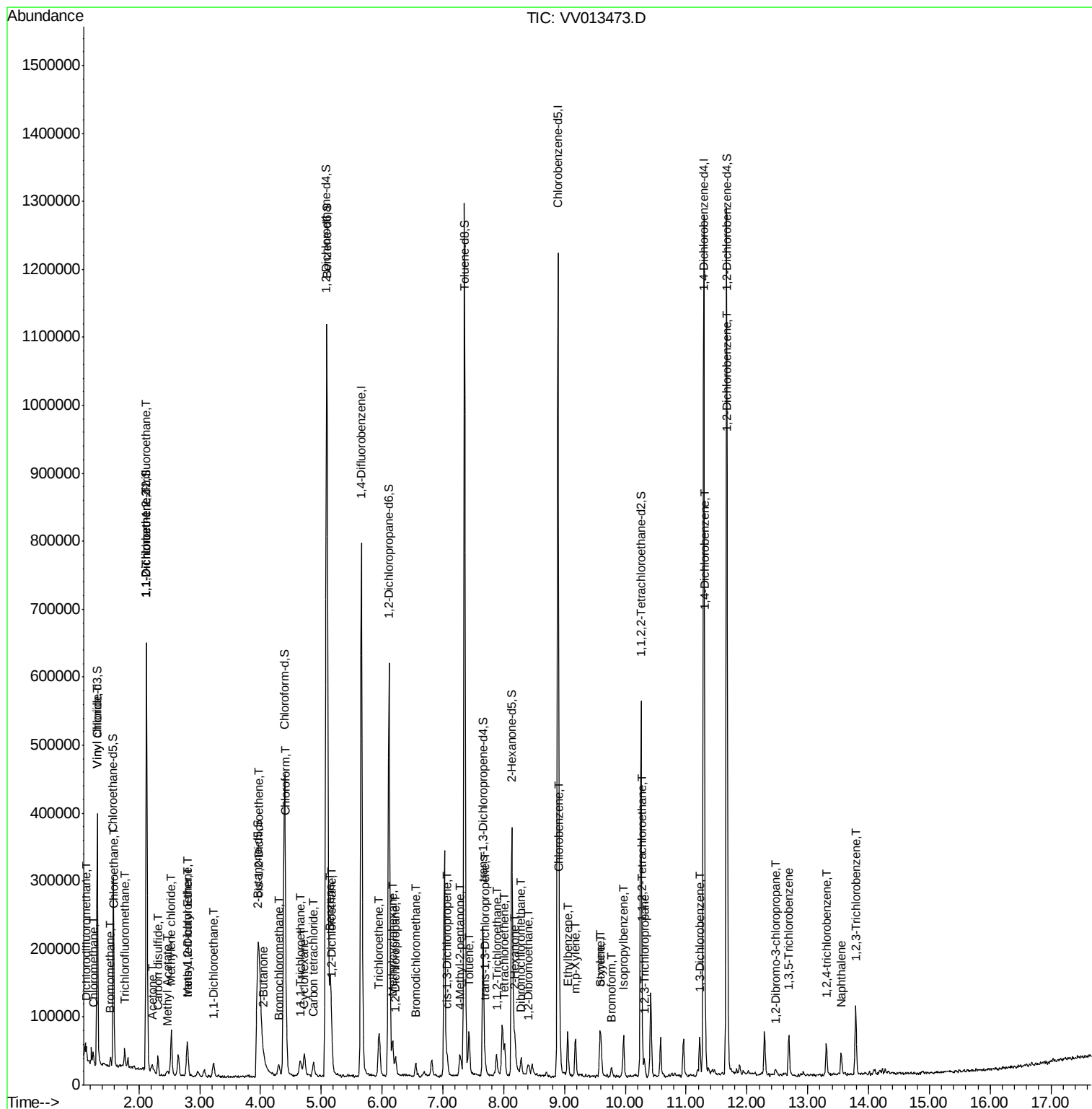
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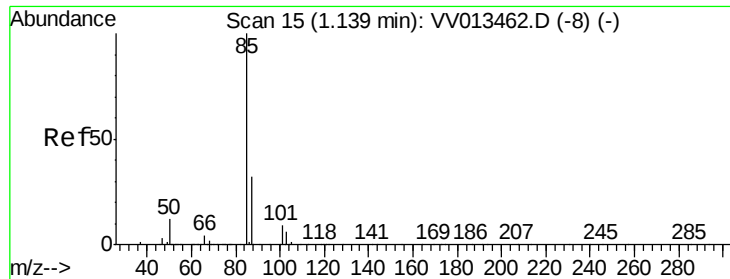
Instrument :
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#2

Dichlorodifluoromethane

Concen: 1.151 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 85 Resp: 11850

Ion Ratio Lower Upper

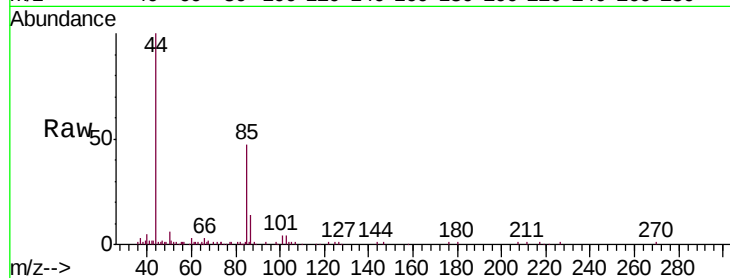
85 100

87 29.8 22.2 41.2

Manual Integrations
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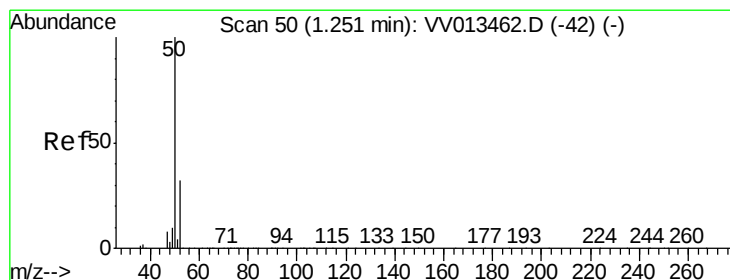
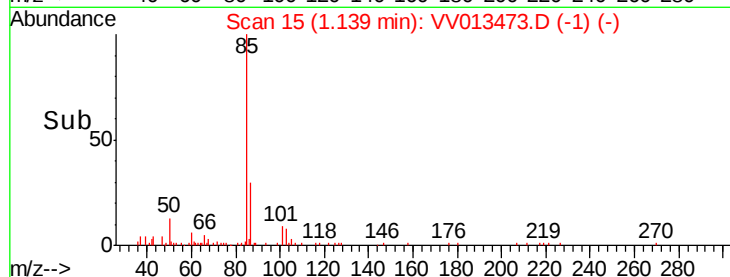
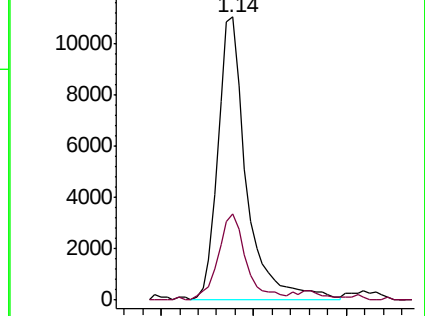
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 1.070 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013473.D

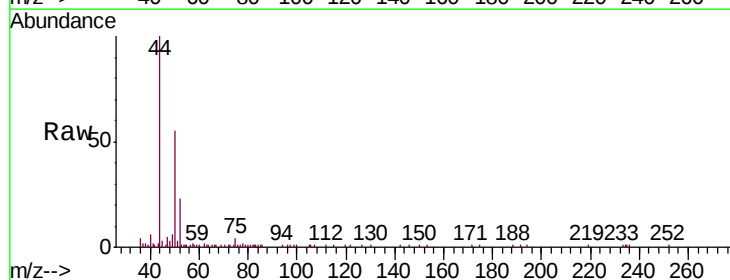
Acq: 01 Nov 2019 17:13

Tgt Ion: 50 Resp: 11226

Ion Ratio Lower Upper

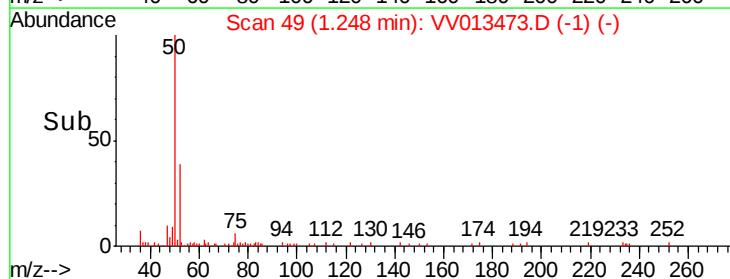
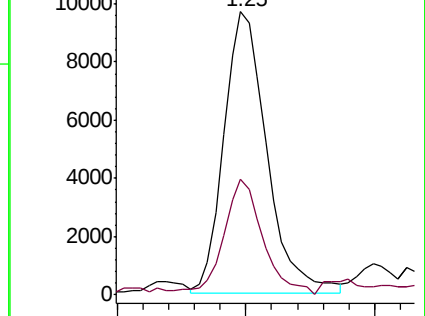
50 100

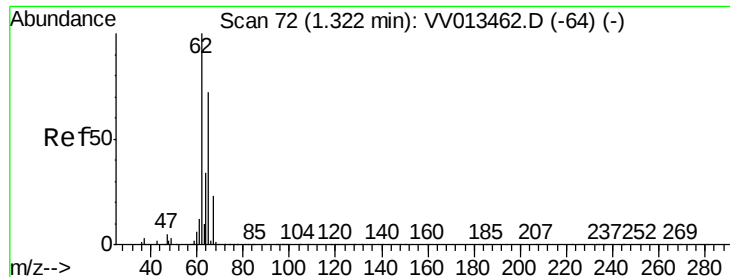
52 40.9 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 1.132 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

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Acq: 01 Nov 2019 17:13

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MDL07

Tgt Ion: 62 Resp: 11631

Ion Ratio Lower Upper

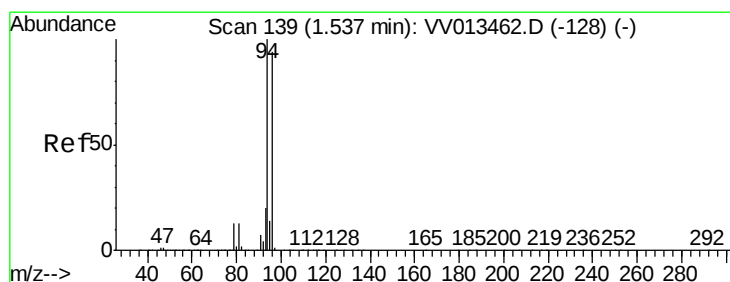
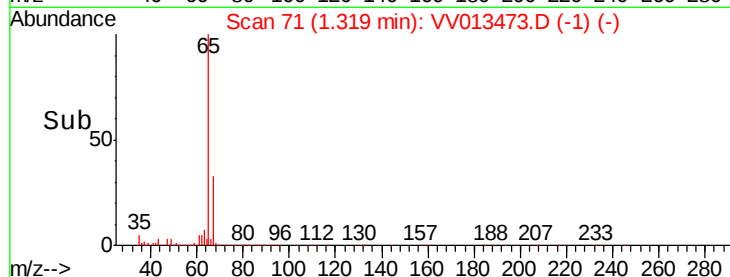
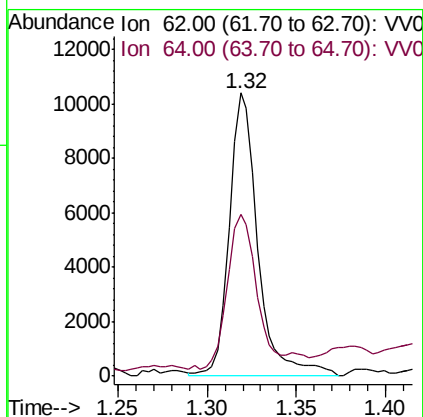
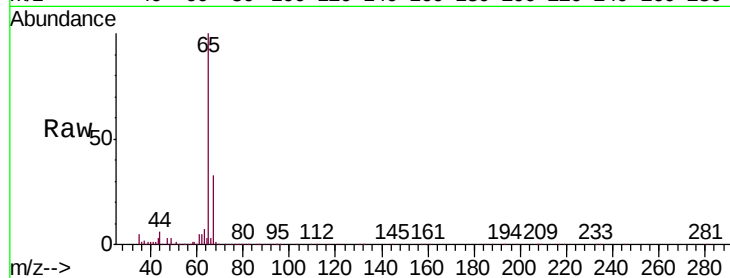
62 100

64 57.2 23.8 44.2#

Manual Integrations
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#6

Bromomethane

Concen: 1.270 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013473.D

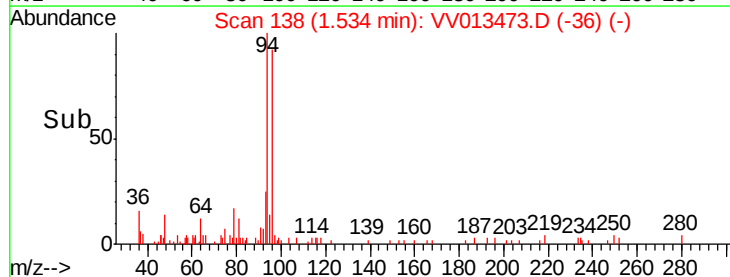
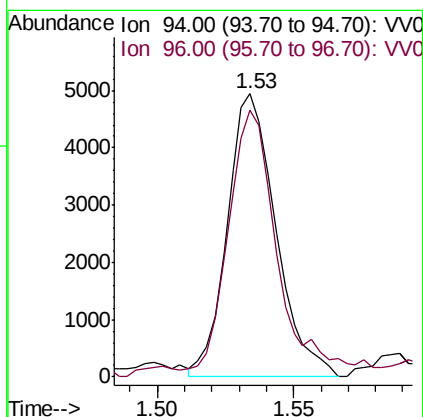
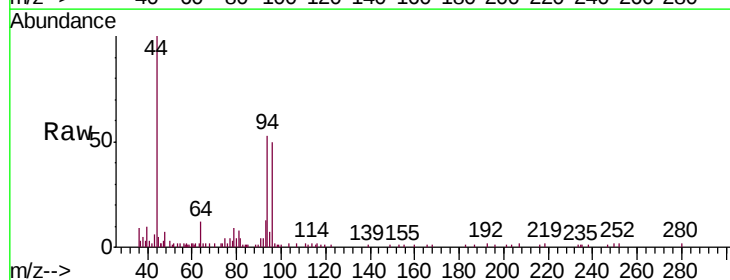
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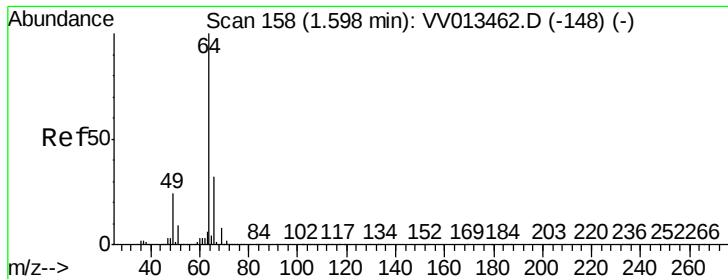
Tgt Ion: 94 Resp: 6131

Ion Ratio Lower Upper

94 100

96 83.9 9.4 177.8





#8

Chloroethane

Concen: 1.098 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

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Tgt Ion: 64 Resp: 6263

Ion Ratio Lower Upper

64 100

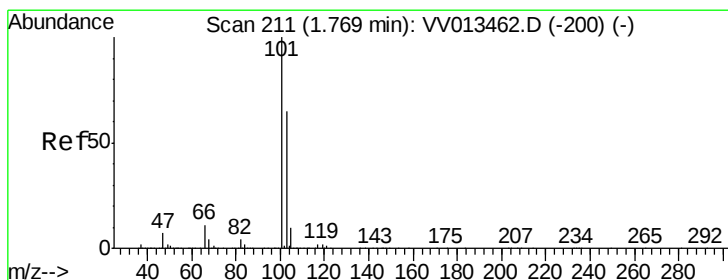
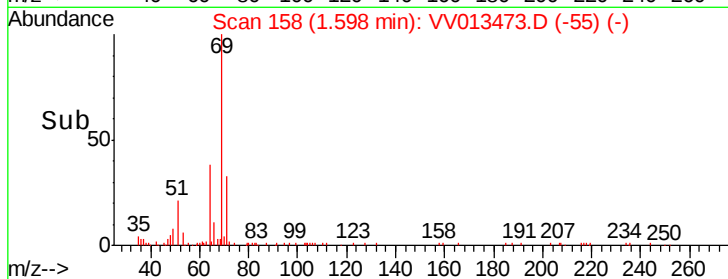
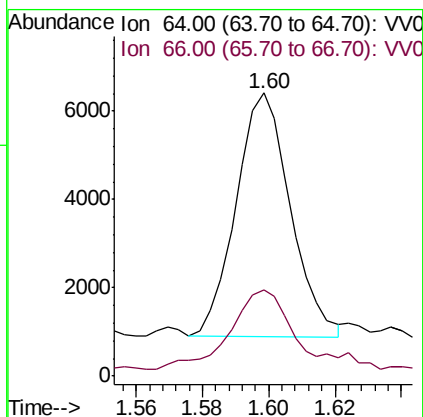
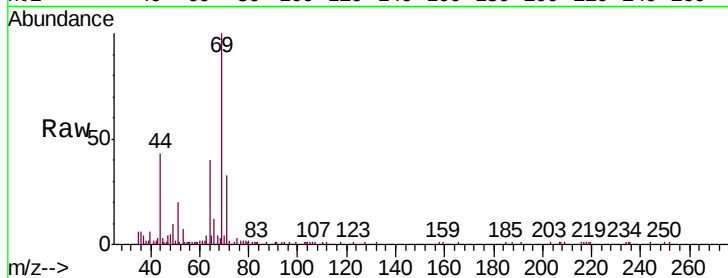
66 30.3 22.3 41.3

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.036 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013473.D

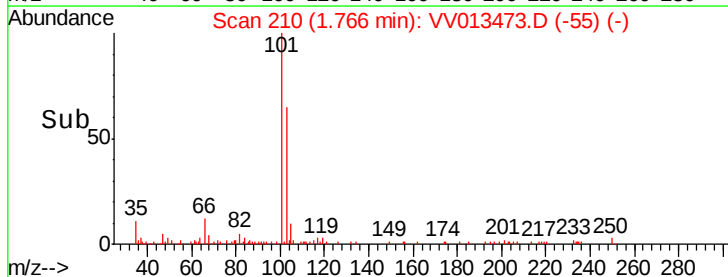
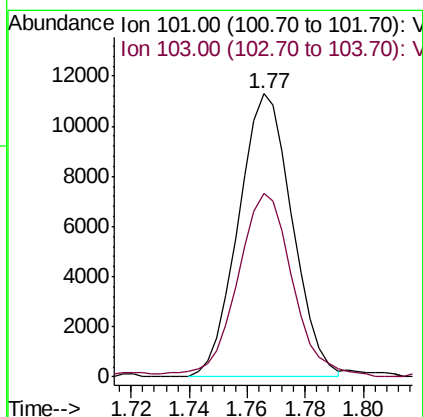
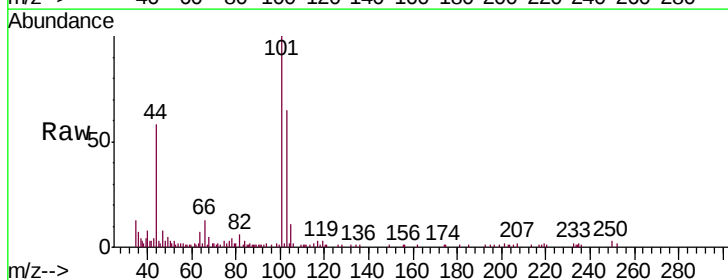
Acq: 01 Nov 2019 17:13

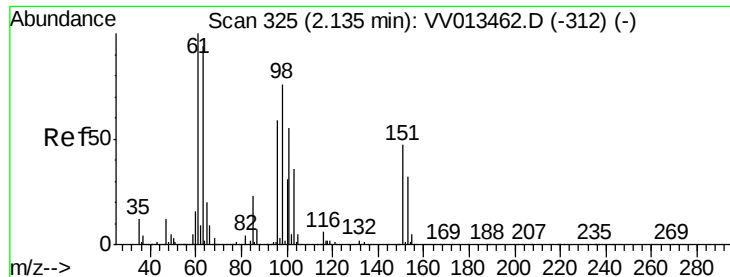
Tgt Ion: 101 Resp: 14571

Ion Ratio Lower Upper

101 100

103 66.4 45.1 83.9





#11

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

Concen: 1.392 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

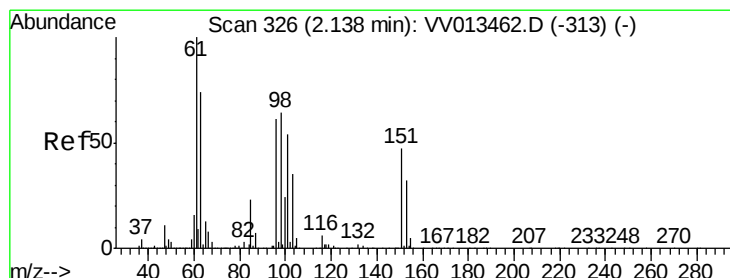
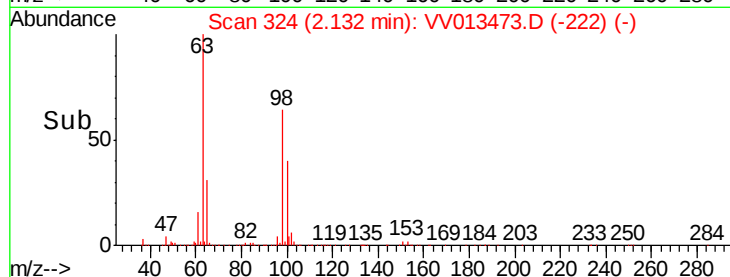
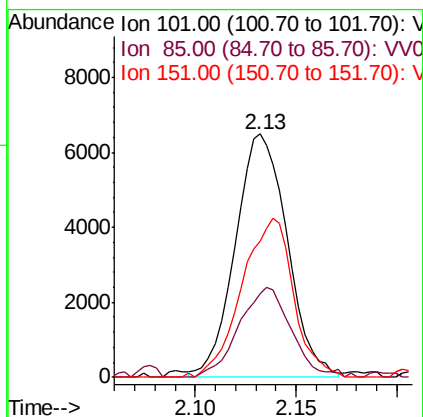
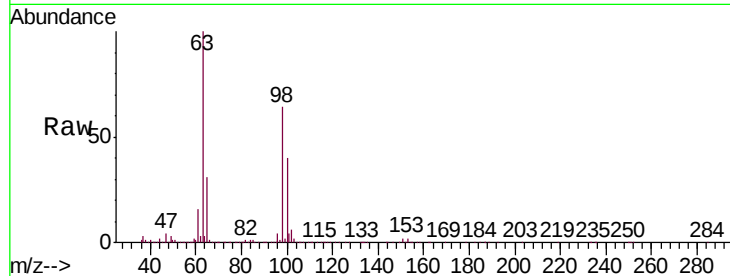
ClientSampleId :

MDL07

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	11687		
85	36.6	33.1	49.7	
151	65.1	68.3	102.5#	

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.375 ug/L m

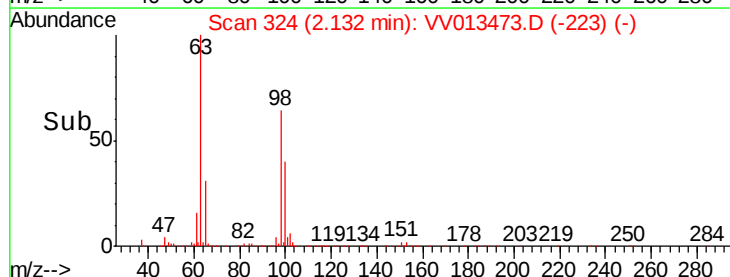
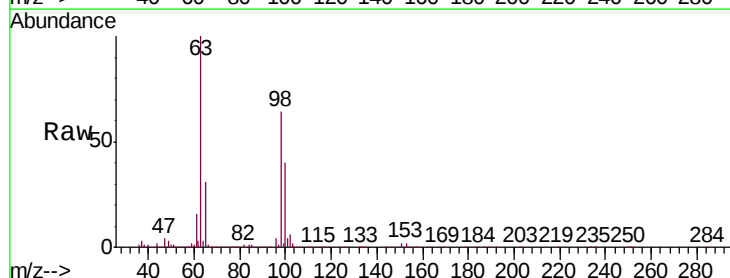
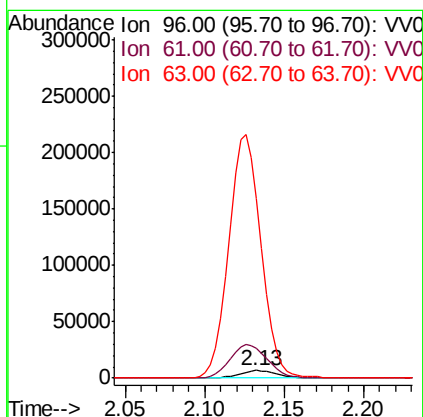
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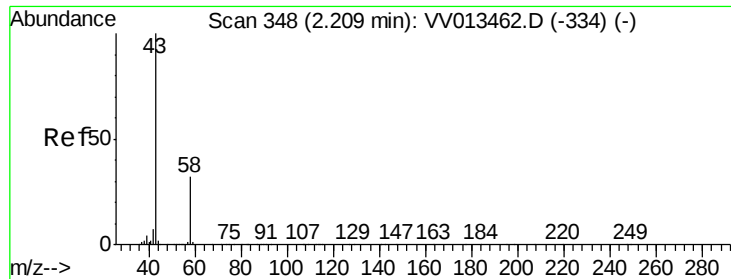
Delta R.T. -0.01 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	10913		
61	387.9	114.7	212.9#	
63	2378.4	84.7	157.3#	





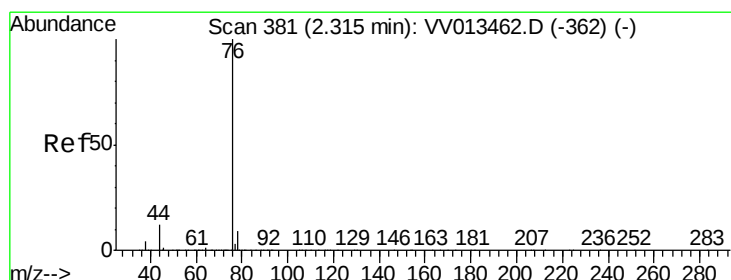
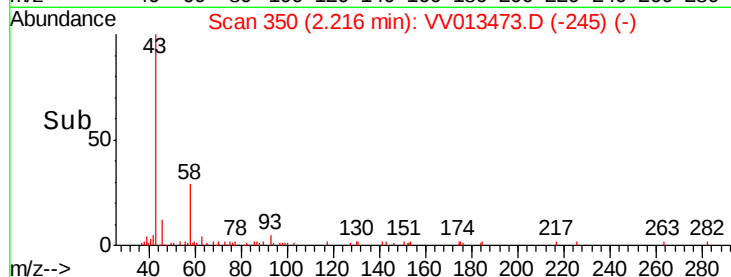
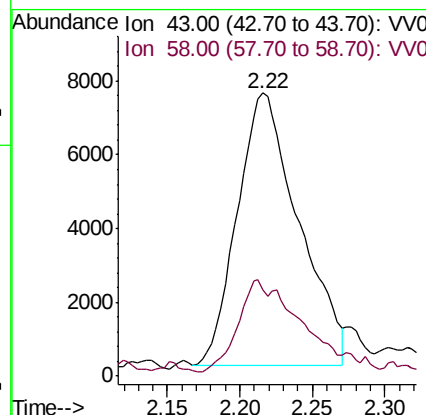
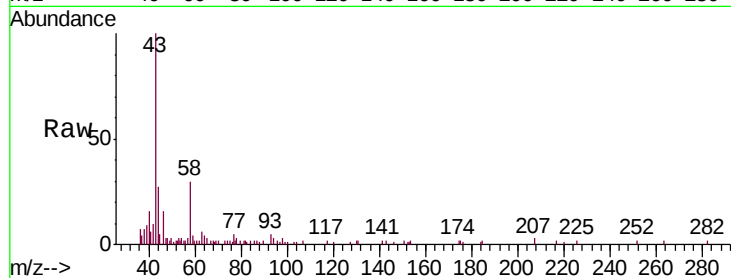
#13
Acetone
Concen: 4.275 ug/L
RT: 2.22 min Scan# 350
Delta R.T. 0.01 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Instrument :
MSVOA_V
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MDL07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	15.7	0.0	63.2

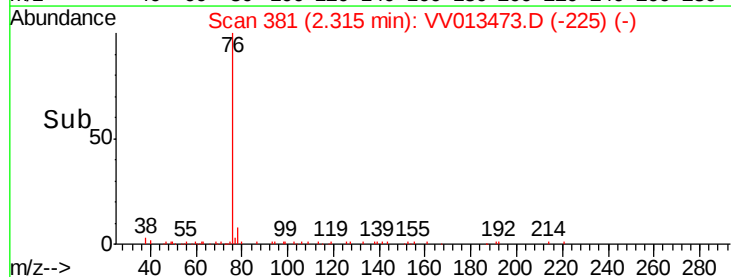
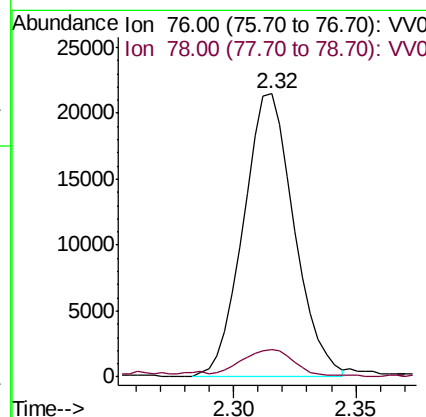
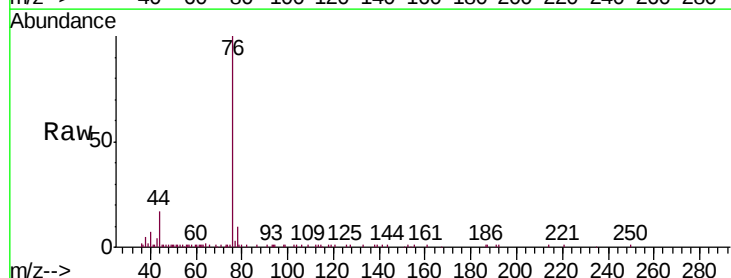
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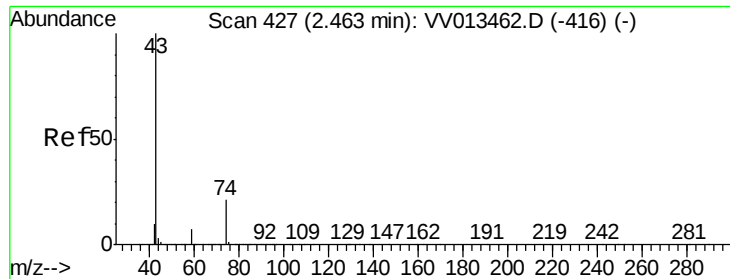
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#14
Carbon disulfide
Concen: 1.006 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.1	10.7





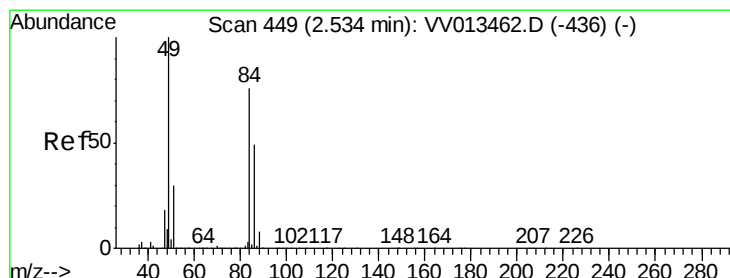
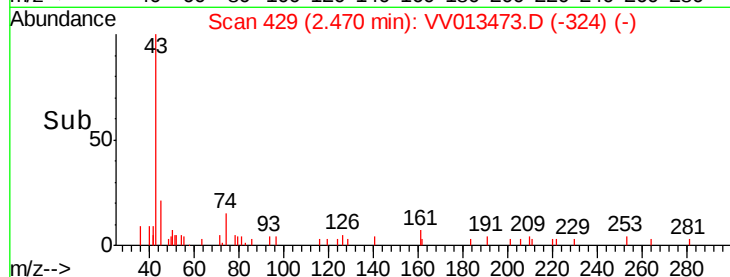
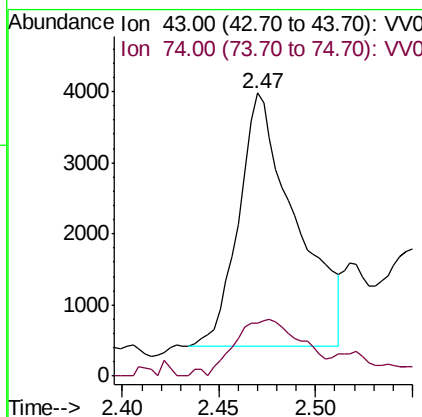
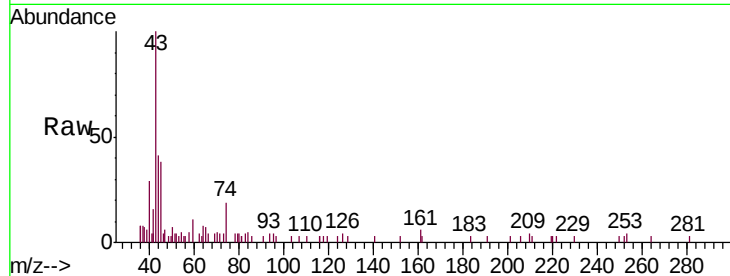
#15
Methyl Acetate
Concen: 0.949 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.01 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tgt Ion: 43 Resp: 7277
Ion Ratio Lower Upper
43 100
74 26.3 16.9 25.3#

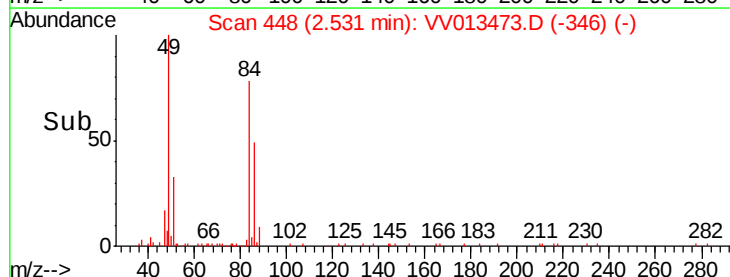
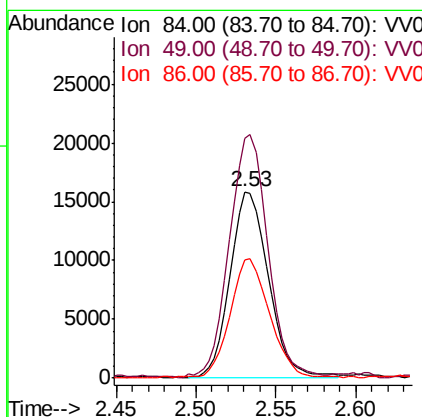
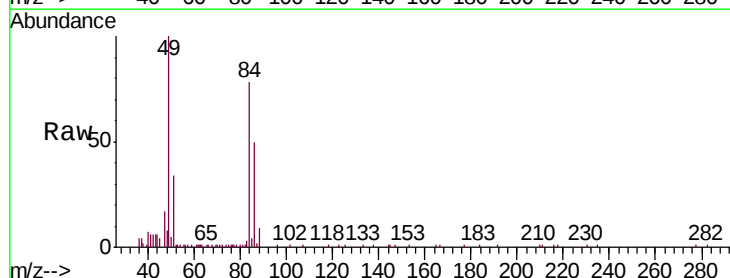
Manual Integrations
APPROVED

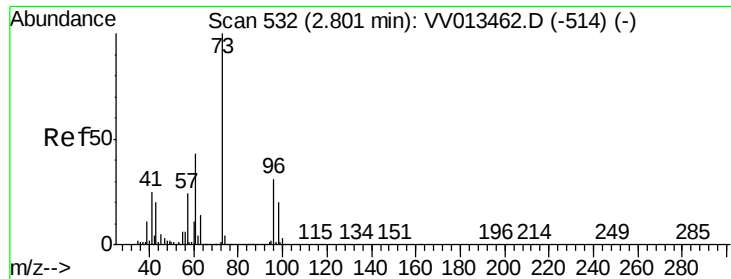
MMDadoda
11/4/2019 12:38:54 PM



#16
Methylene chloride
Concen: 2.128 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion: 84 Resp: 26138
Ion Ratio Lower Upper
84 100
49 128.5 92.4 171.6
86 63.8 45.1 83.7





#17

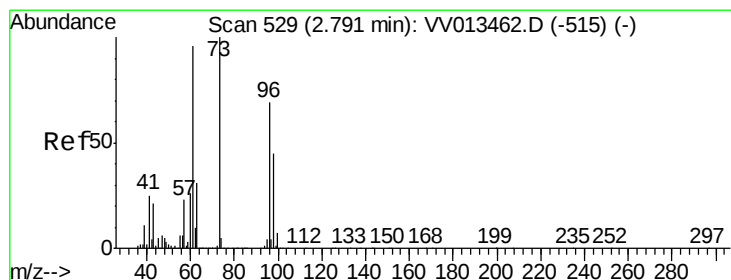
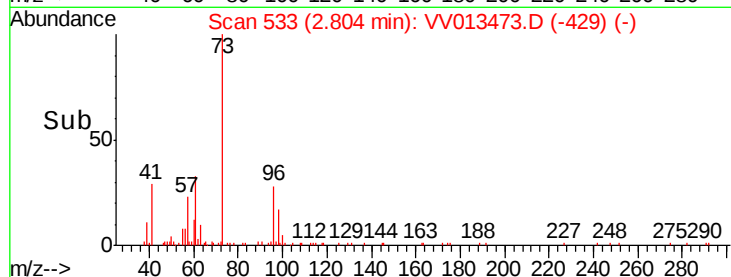
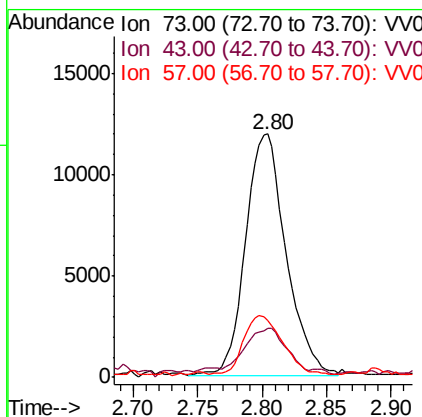
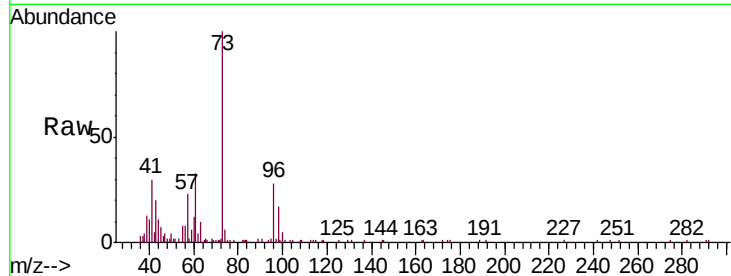
Methyl tert-butyl Ether
Concen: 1.001 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.2	16.2	24.2
57	22.7	18.6	27.8

Manual Integrations
APPROVED

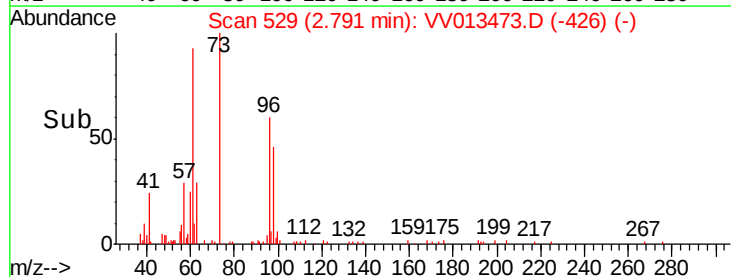
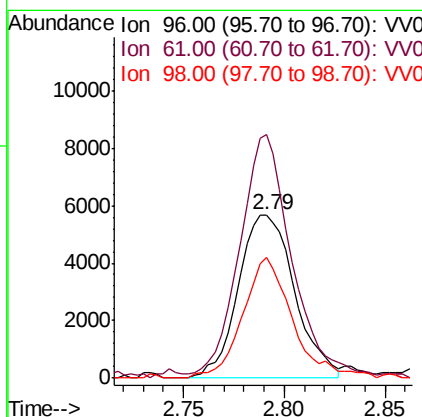
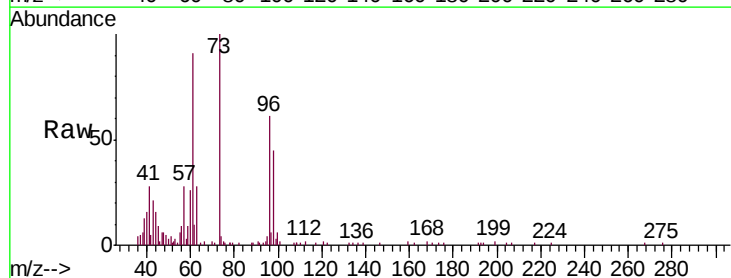
MMDadoda
11/4/2019 12:38:54 PM

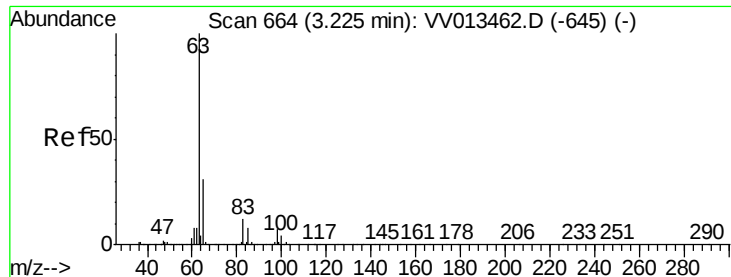


#18

trans-1,2-Dichloroethene
Concen: 1.050 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.8	98.0	182.0
98	73.7	45.6	84.8





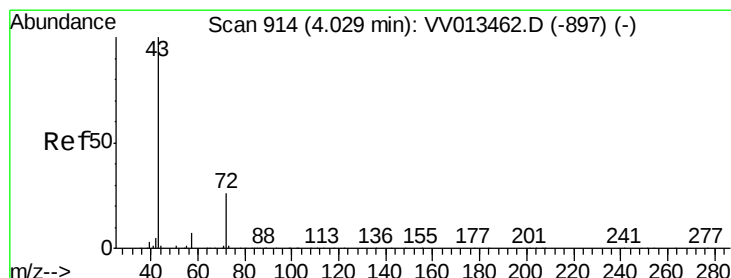
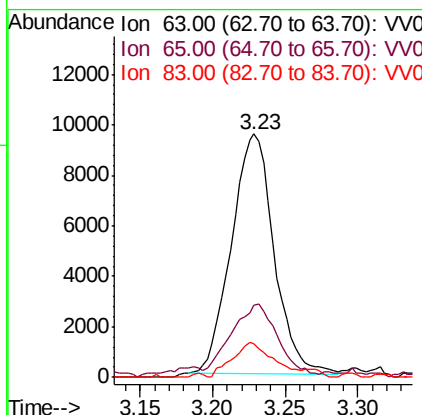
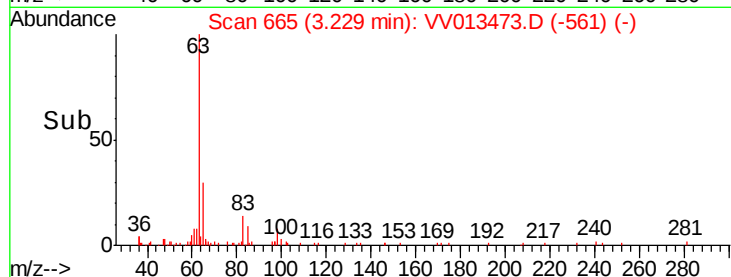
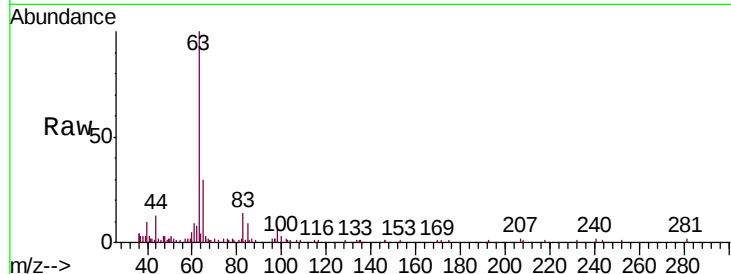
#19
1,1-Dichloroethane
Concen: 0.999 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion	Ratio	Lower	Upper
63	100		
65	29.5	21.7	40.3
83	14.1	8.8	16.3

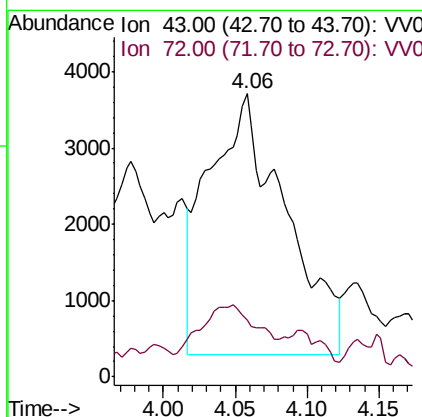
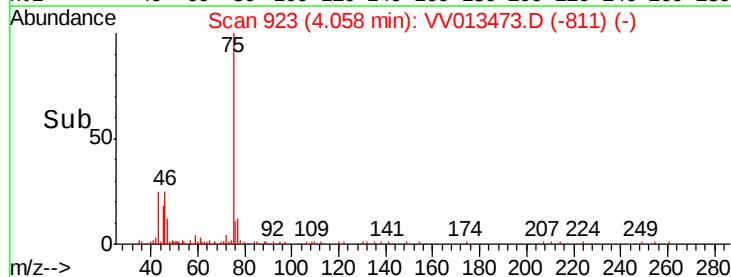
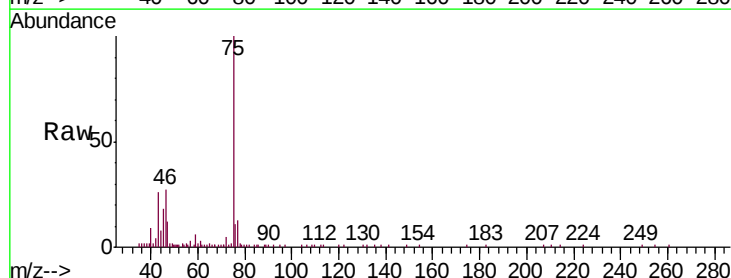
Manual Integrations
APPROVED

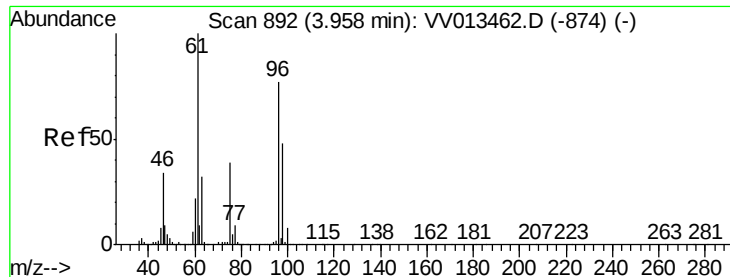
MMDadoda
11/4/2019 12:38:54 PM



#21
2-Butanone
Concen: 2.417 ug/L m
RT: 4.06 min Scan# 923
Delta R.T. 0.03 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	6.0	12.1	36.3#





#22

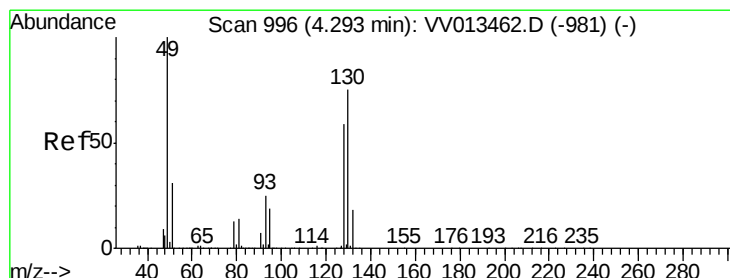
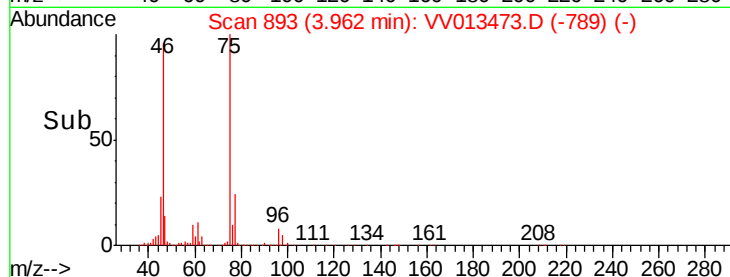
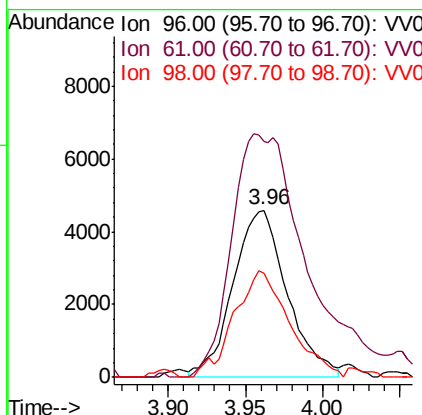
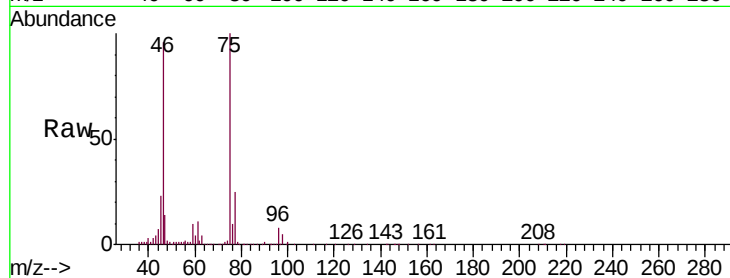
cis-1,2-Dichloroethene
Concen: 1.008 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.0	91.5	169.9
98	62.7	43.8	81.3

Manual Integrations
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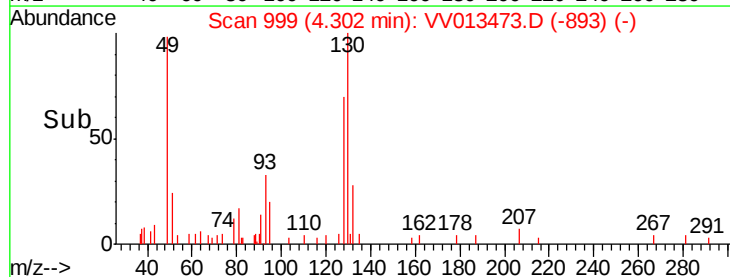
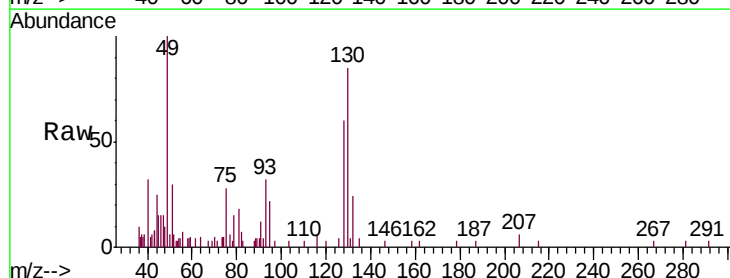
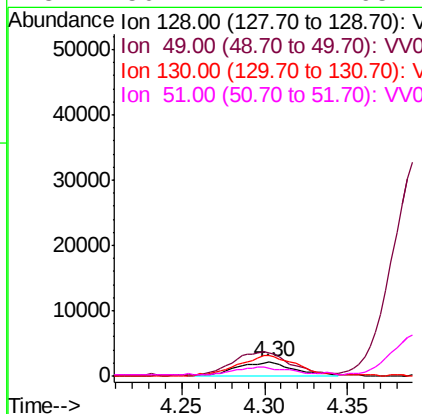
MMDadoda
11/4/2019 12:38:54 PM

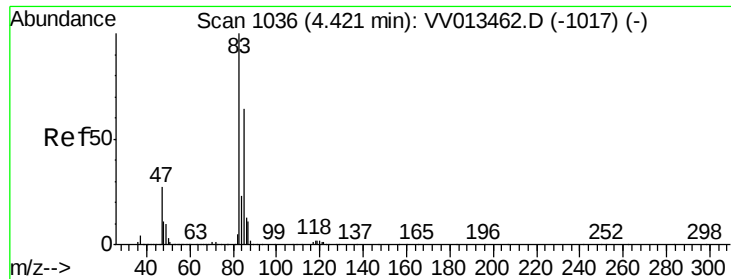


#23

Bromochloromethane
Concen: 0.983 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.01 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion	Ratio	Lower	Upper
128	100		
49	167.7	118.2	219.4
130	143.3	89.0	165.4
51	50.4	42.2	63.4





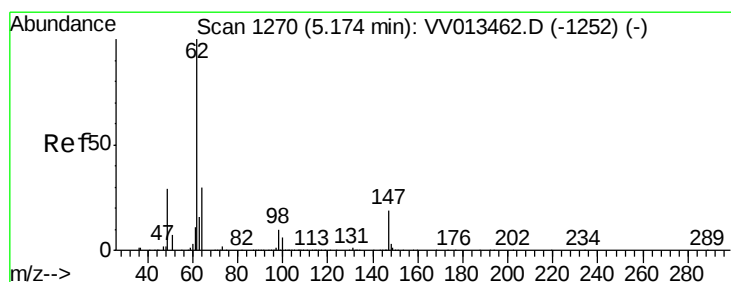
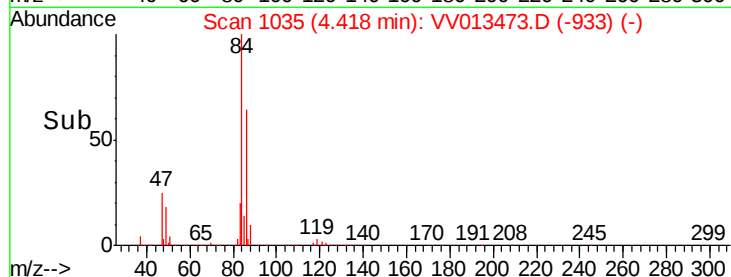
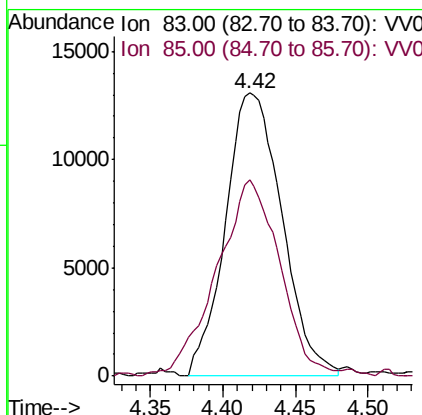
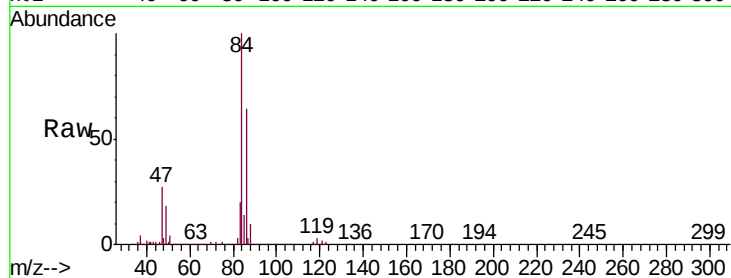
#25
Chloroform
Concen: 1.796 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	77.1	45.8	85.0

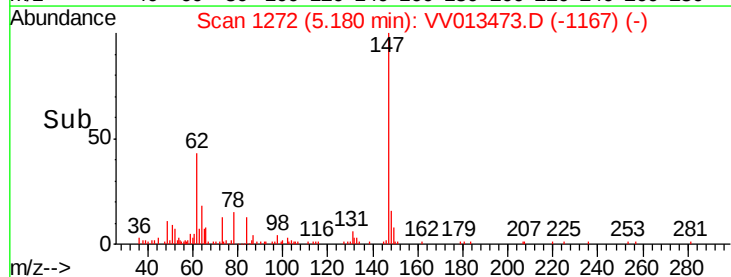
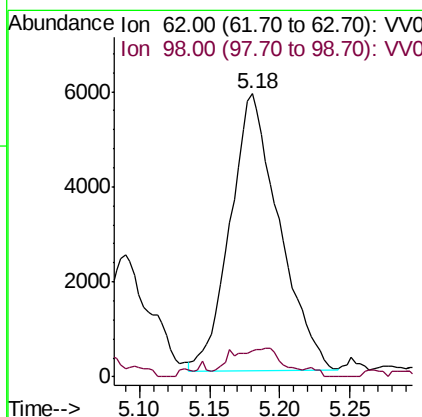
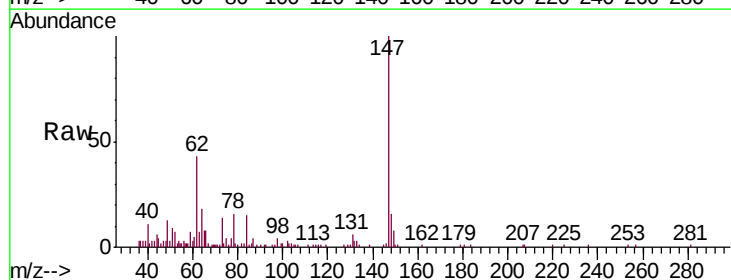
Manual Integrations
APPROVED

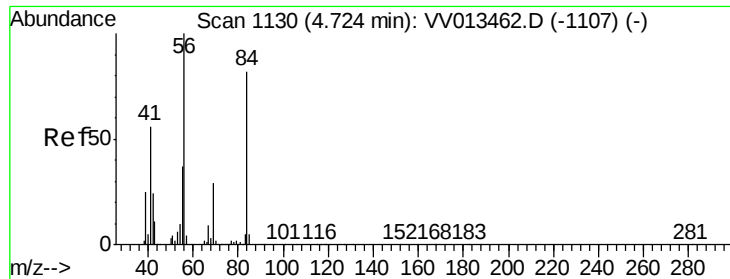
MMDadoda
11/4/2019 12:38:54 PM



#27
1,2-Dichloroethane
Concen: 1.034 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.8	11.6





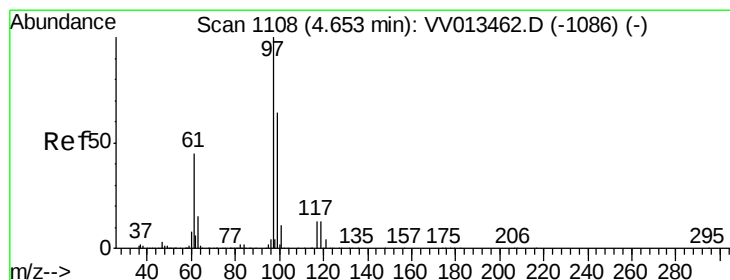
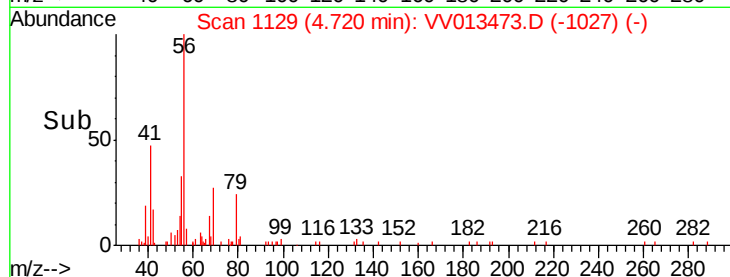
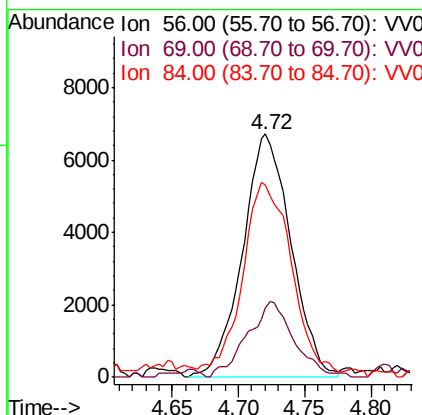
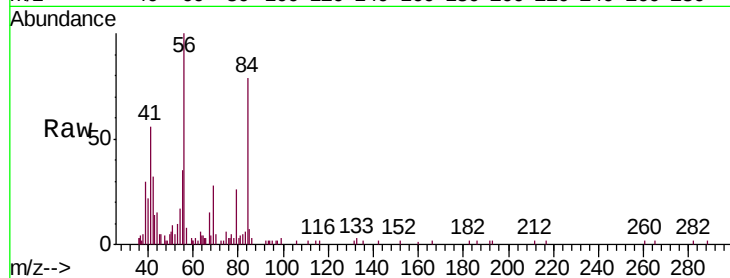
#30
Cyclohexane
Concen: 0.984 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion	Ratio	Lower	Upper
56	100		
69	26.4	23.0	34.6
84	70.9	66.2	99.4

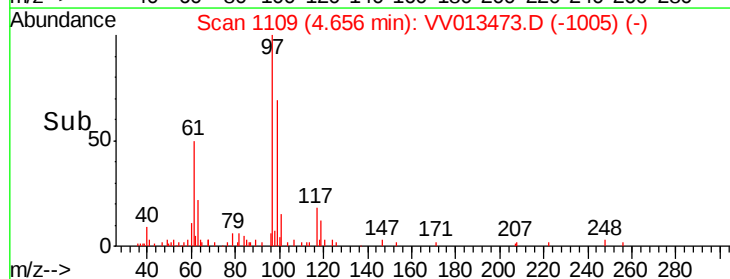
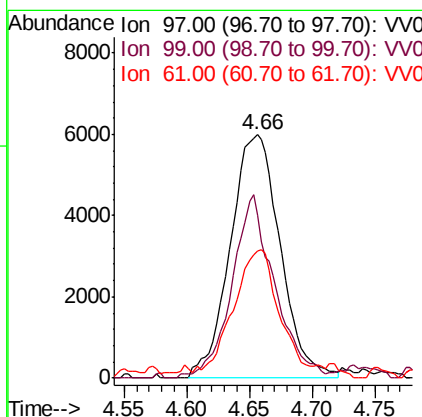
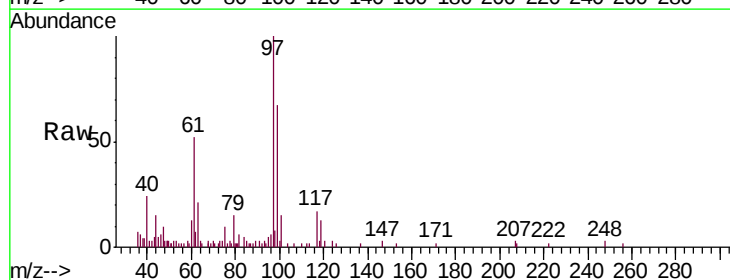
Manual Integrations
APPROVED

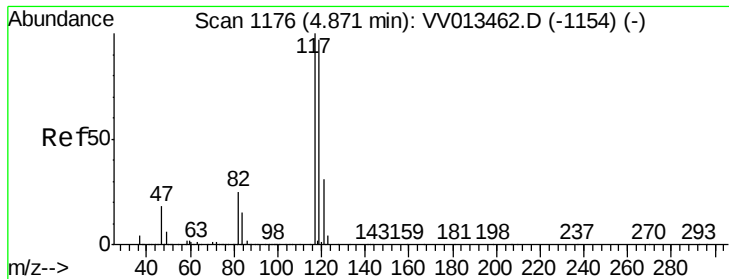
MMDadoda
11/4/2019 12:38:54 PM



#31
1,1,1-Trichloroethane
Concen: 1.016 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.9	51.1	76.7
61	47.8	36.3	54.5





#32

Carbon tetrachloride

Concen: 1.023 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion:117 Resp: 14872

Ion Ratio Lower Upper

117 100

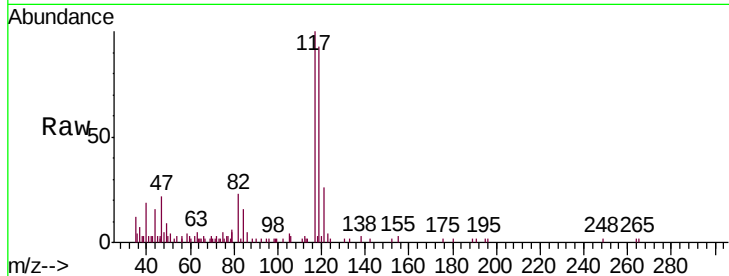
119 95.6 77.4 116.0

Manual Integrations

APPROVED

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11/4/2019 12:38:54 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

6000

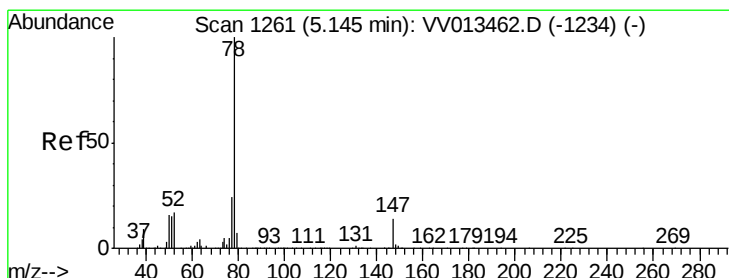
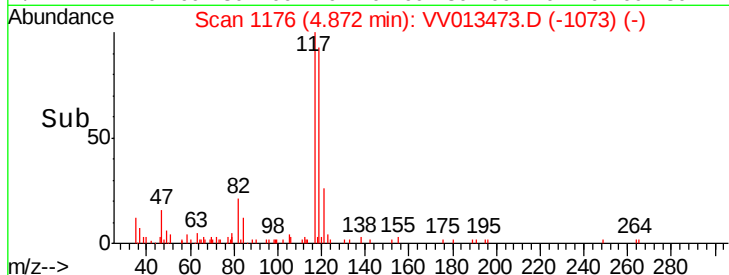
4000

2000

0

Time-->

4.80 4.85 4.90 4.95



#34

Benzene

Concen: 0.999 ug/L

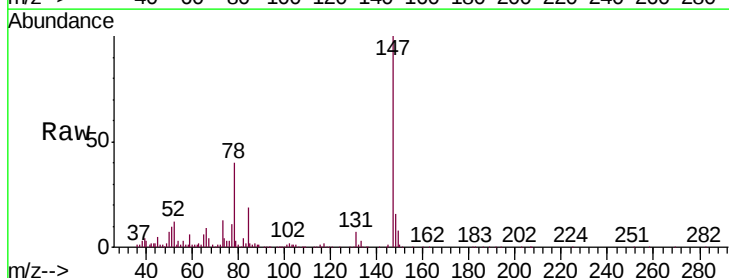
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Tgt Ion: 78 Resp: 42155



Abundance Ion 78.00 (77.70 to 78.70): VV0

20000

15000

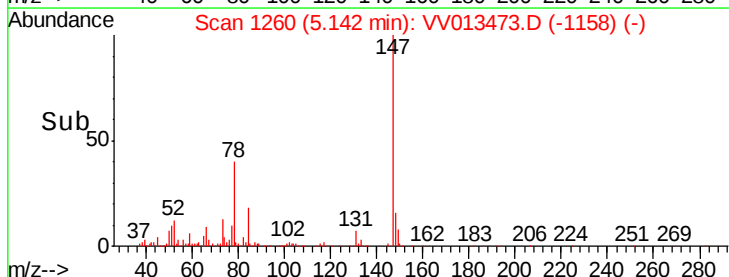
10000

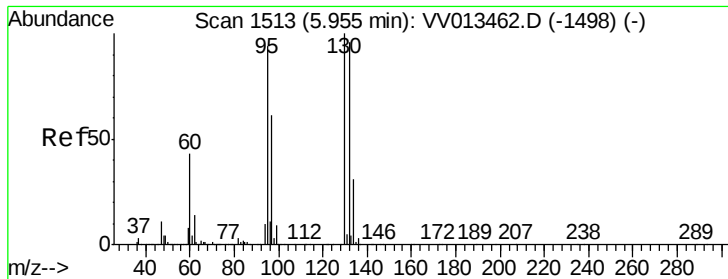
5000

0

Time-->

5.10 5.15 5.20 5.25





#35

Trichloroethene

Concen: 1.077 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

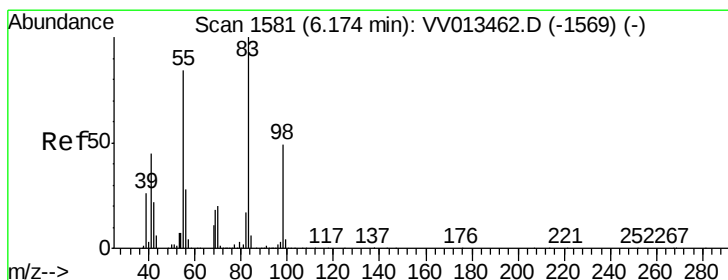
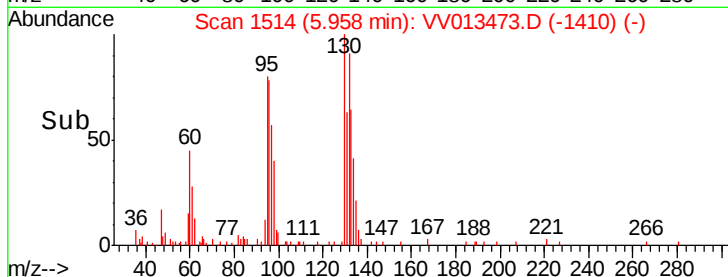
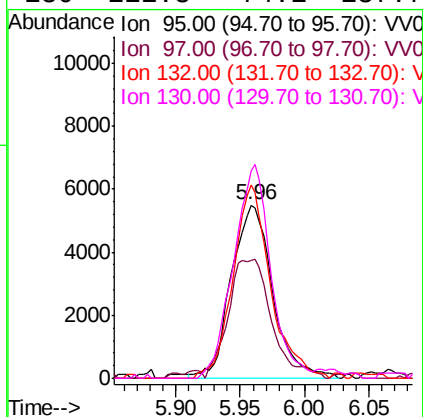
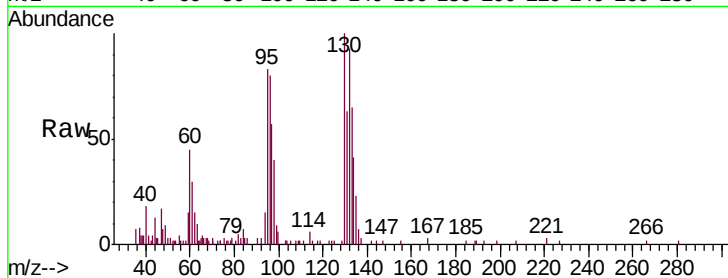
ClientSampled :

MDL07

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	12271		
97	33.5	44.7	83.1#	
132	101.1	71.0	131.8	
130	111.3	74.1	137.7	

Manual Integrations
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11/4/2019 12:38:54 PM



#36

Methylcyclohexane

Concen: 0.988 ug/L

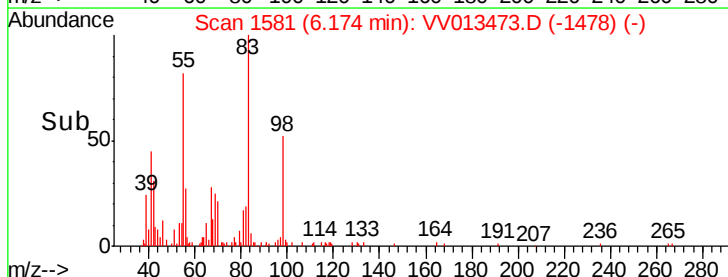
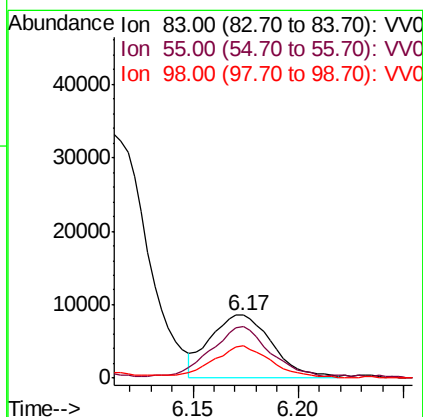
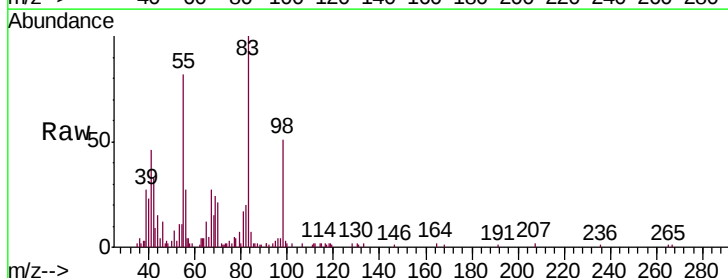
RT: 6.17 min Scan# 1581

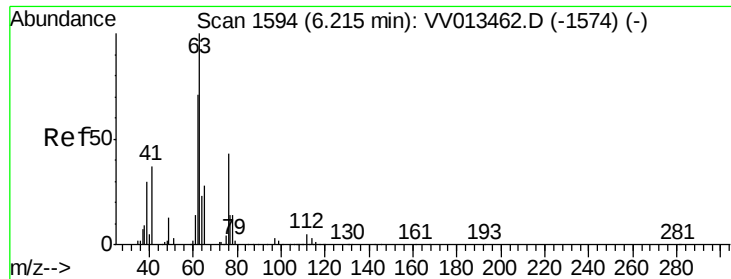
Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	17621		
55	72.7	64.2	96.4	
98	47.8	38.4	57.6	





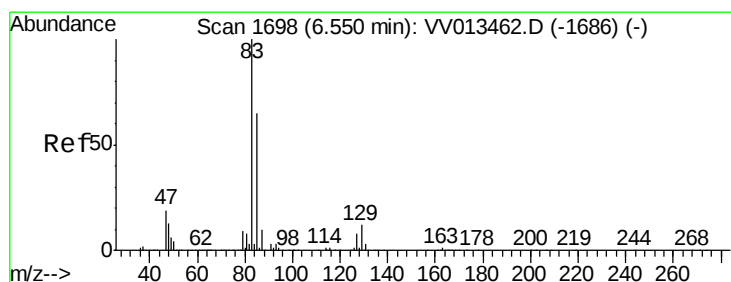
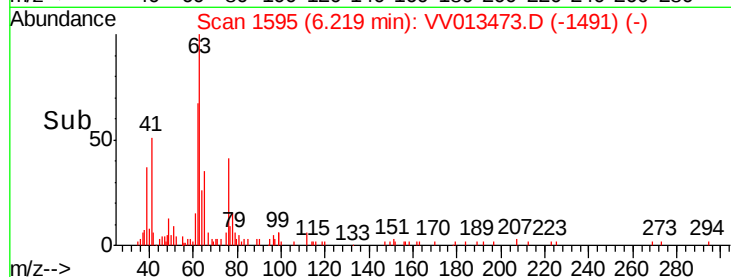
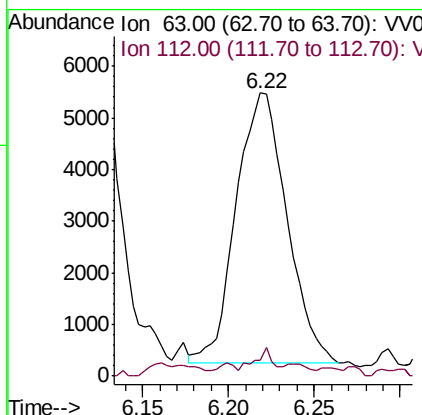
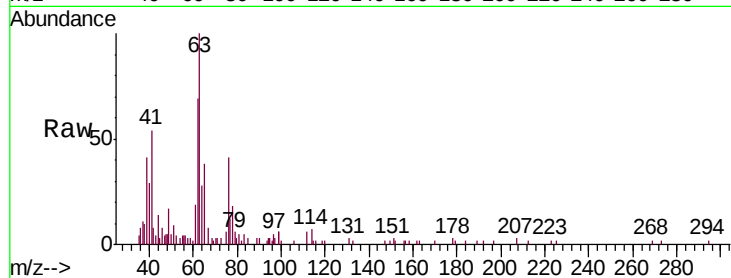
#40
 1,2-Dichloropropane
 Concen: 1.004 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion: 63 Resp: 10675
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.8 5.6#

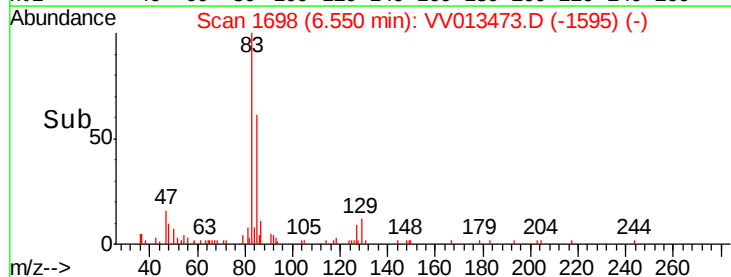
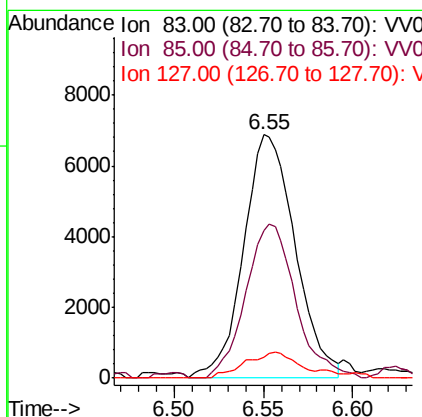
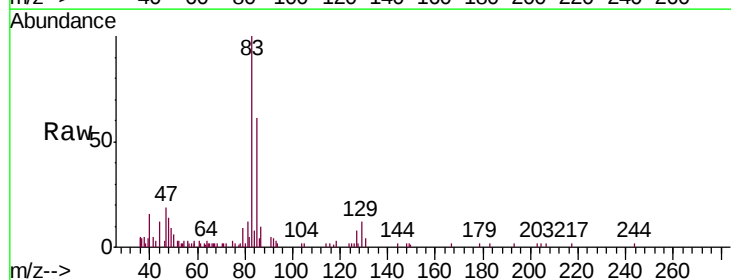
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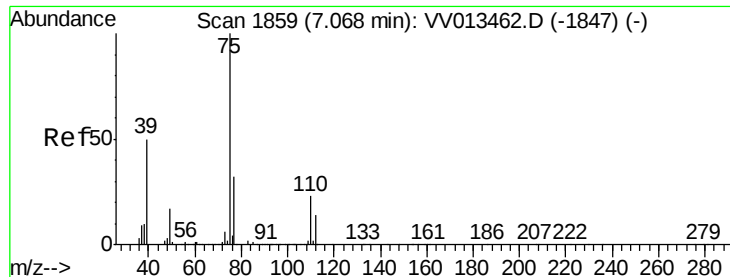
MMDadoda
 11/4/2019 12:38:54 PM



#41
 Bromodichloromethane
 Concen: 1.015 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Tgt Ion: 83 Resp: 13884
 Ion Ratio Lower Upper
 83 100
 85 60.7 45.4 84.4
 127 10.2 6.7 10.1#





#42

cis-1,3-Dichloropropene

Concen: 0.968 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 75 Resp: 15253

Ion Ratio Lower Upper

75 100

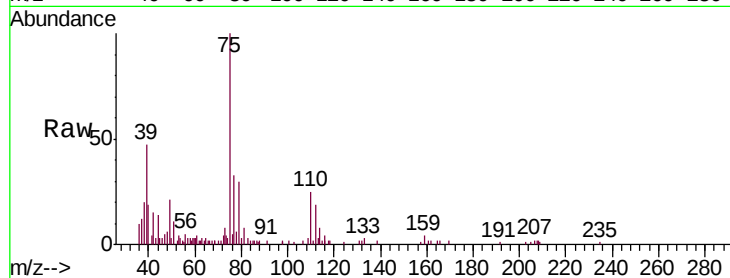
77 33.2 22.7 42.1

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Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

8000

6000

4000

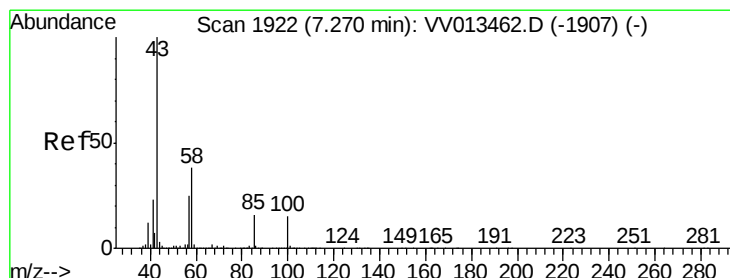
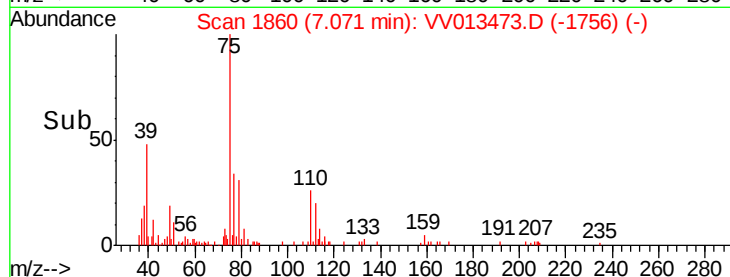
2000

0

7.05

7.10

Time-->



#43

4-Methyl-2-pentanone

Concen: 2.271 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.01 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

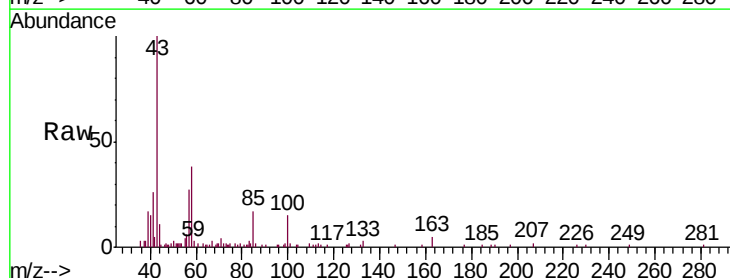
Tgt Ion: 43 Resp: 22275

Ion Ratio Lower Upper

43 100

58 38.3 29.9 44.9

100 10.9 11.5 17.3#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

400000

300000

200000

100000

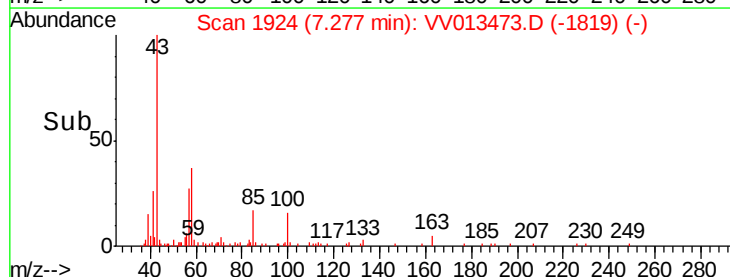
0

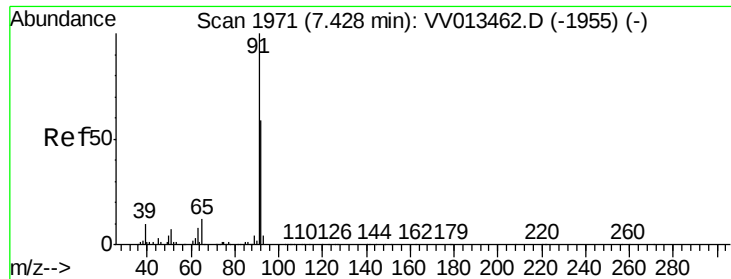
7.25

7.30

7.35

Time-->





#44

Toluene

Concen: 1.097 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 91 Resp: 47300

Ion Ratio Lower Upper

91 100

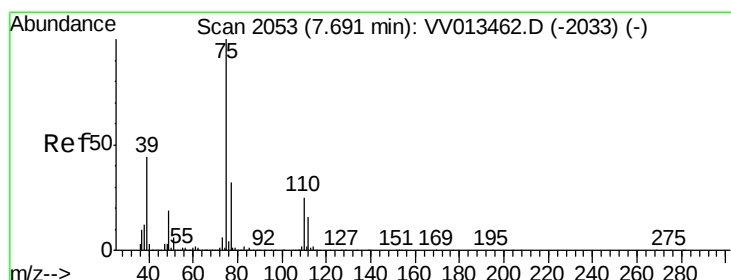
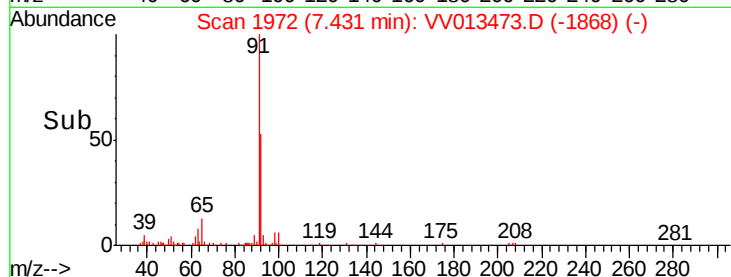
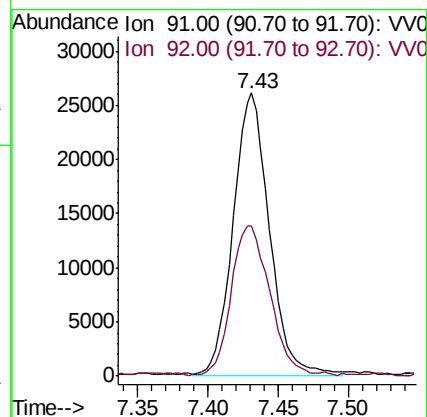
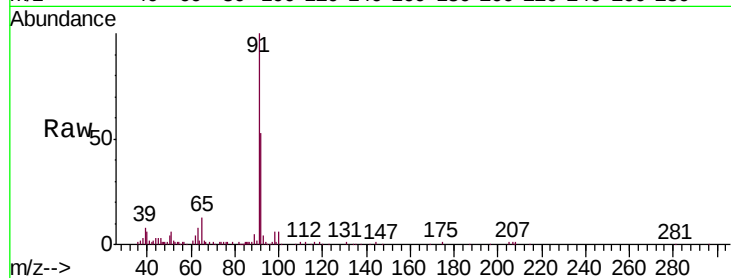
92 52.9 41.4 76.8

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#45

trans-1,3-Dichloropropene

Concen: 0.885 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV013473.D

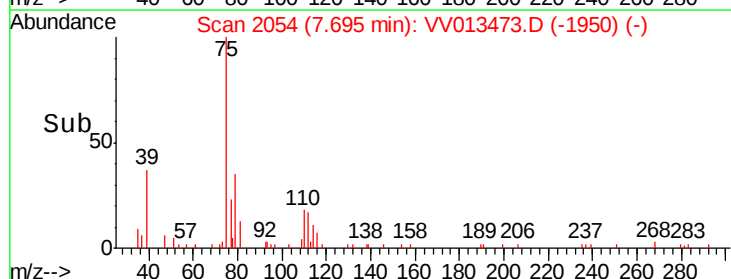
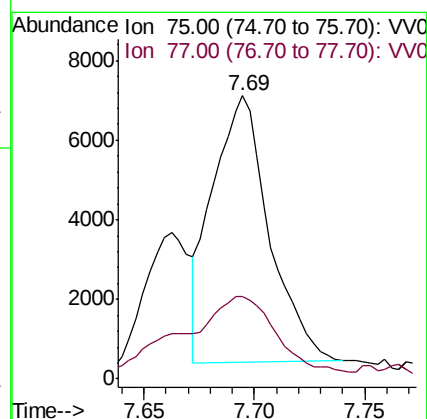
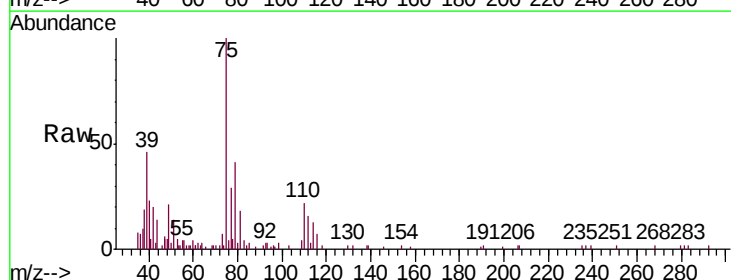
Acq: 01 Nov 2019 17:13

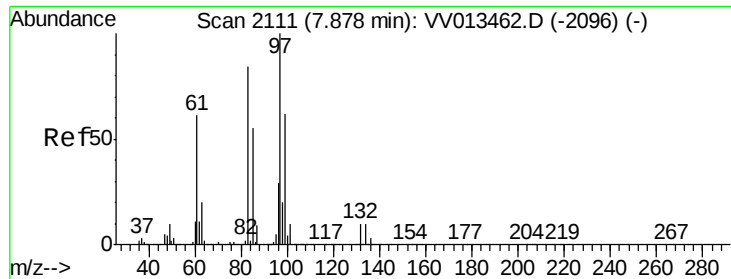
Tgt Ion: 75 Resp: 11955

Ion Ratio Lower Upper

75 100

77 29.1 22.5 41.7





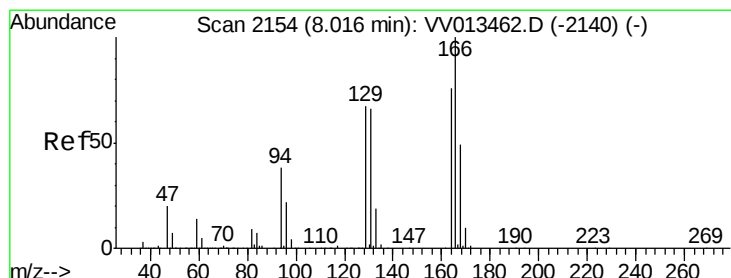
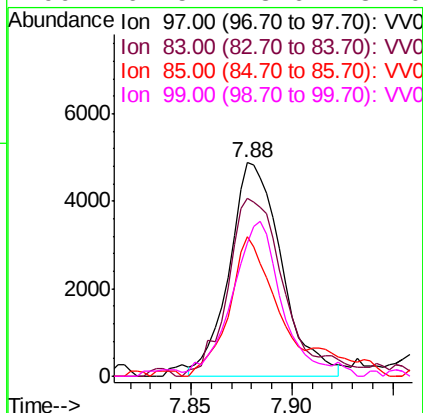
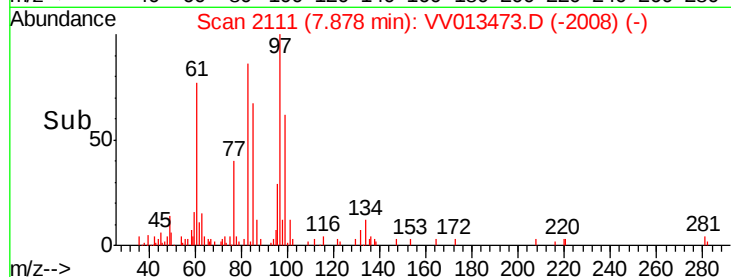
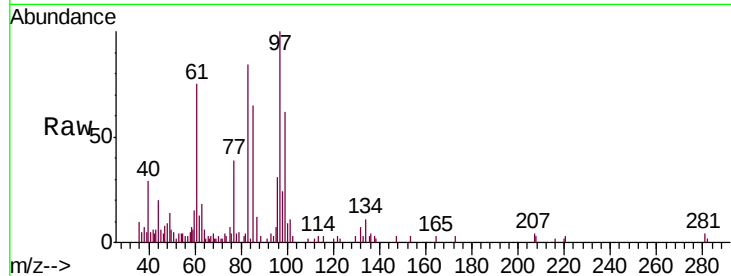
#46
1,1,2-Trichloroethane
Concen: 1.037 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion:	97	Resp:	8829
Ion	Ratio	Lower	Upper
97	100		
83	83.5	58.9	109.3
85	65.4	38.6	71.6
99	62.5	43.6	81.0

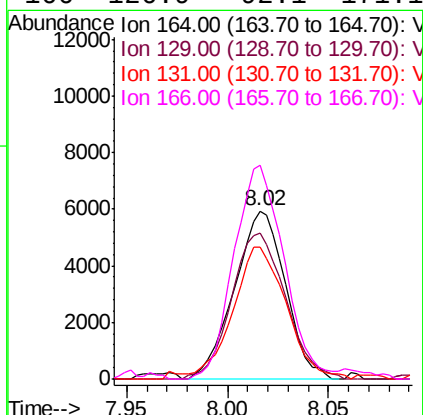
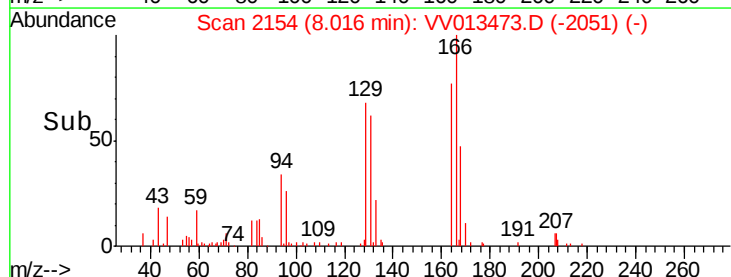
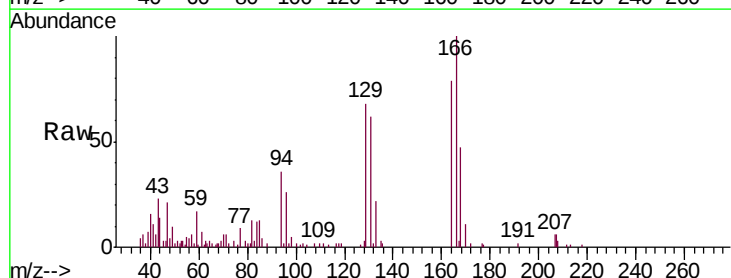
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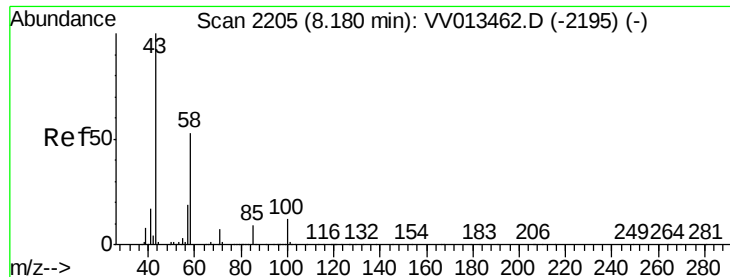
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#47
Tetrachloroethene
Concen: 1.085 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion:	164	Resp:	10484
Ion	Ratio	Lower	Upper
164	100		
129	86.5	61.8	114.8
131	78.3	61.0	113.2
166	126.9	92.1	171.1





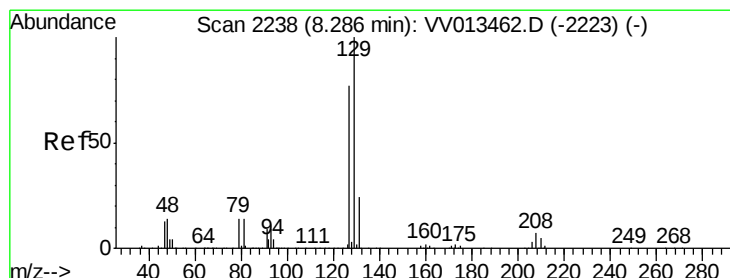
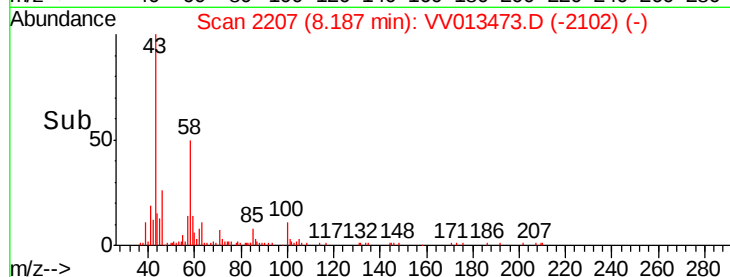
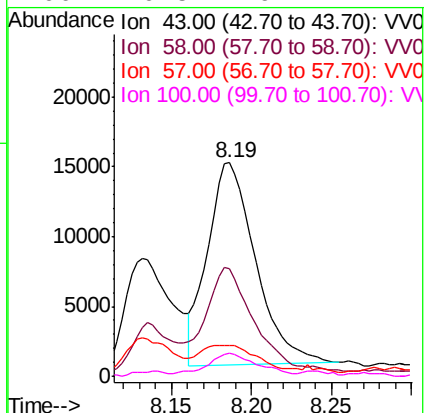
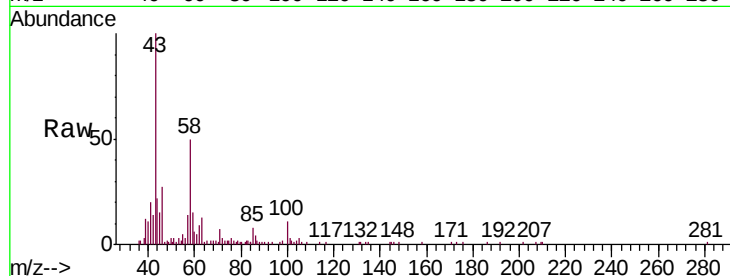
#49
2-Hexanone
Concen: 4.210 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.01 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	44.3	43.8	65.8
57	15.1	15.0	22.4
100	10.5	9.4	14.2

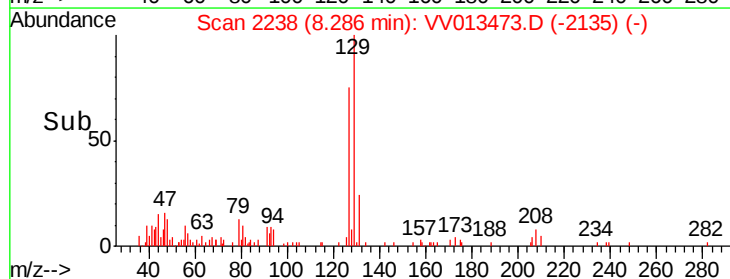
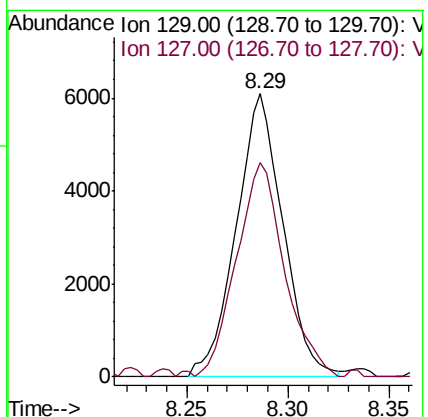
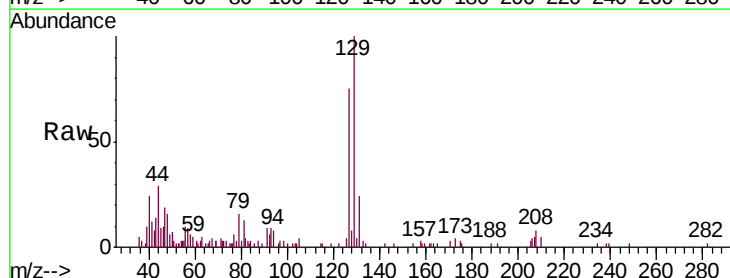
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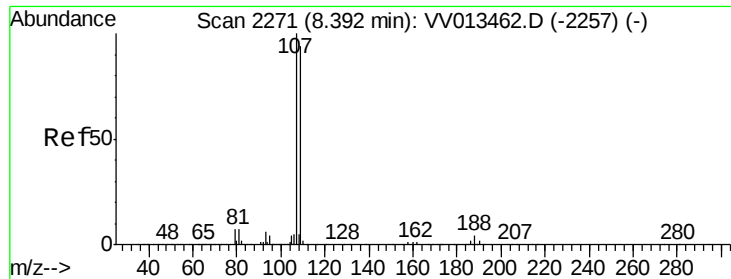
MMDadoda
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#50
Dibromochloromethane
Concen: 0.970 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.5	53.9	100.1





#51

1,2-Dibromoethane

Concen: 1.047 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

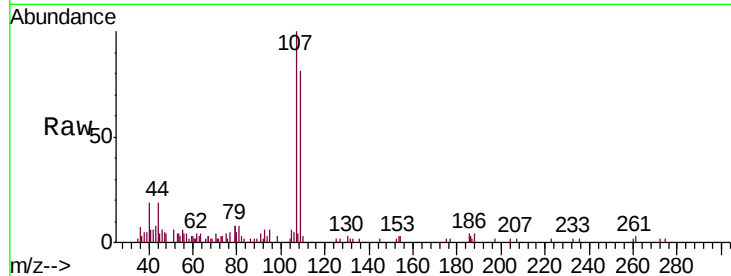
ClientSampleId :

MDL07

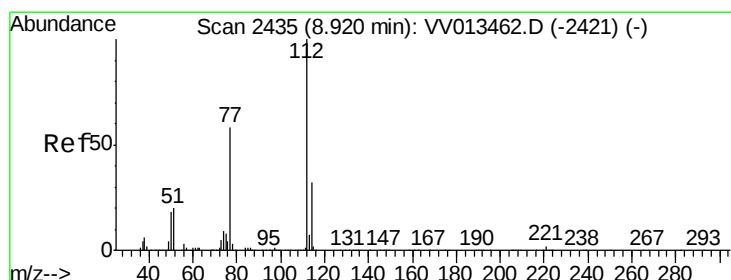
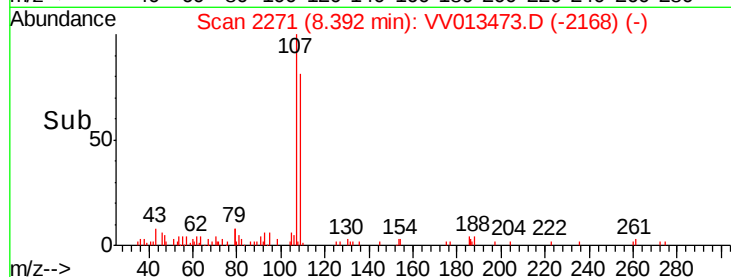
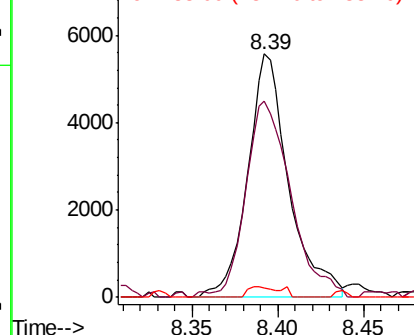
Tgt Ion:	107	Resp:	9217
Ion Ratio	Lower	Upper	
107	100		
109	80.8	65.6	121.8
188	3.7	3.5	5.3

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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: 1.037 ug/L

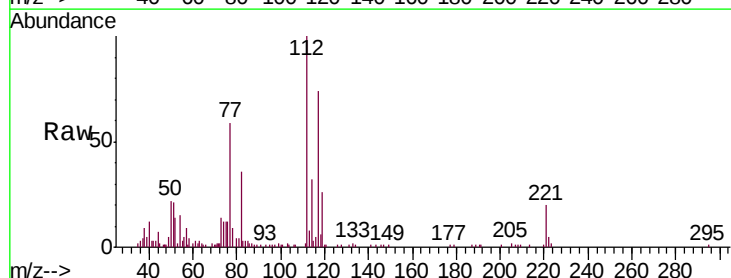
RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

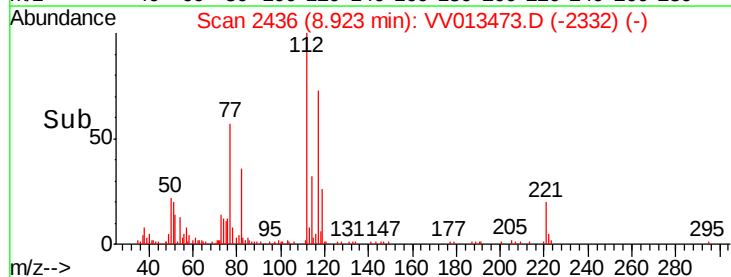
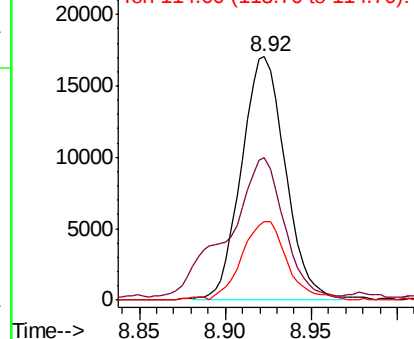
Lab File: VV013473.D

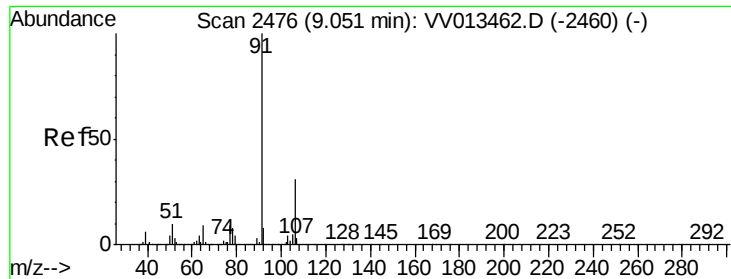
Acq: 01 Nov 2019 17:13

Tgt Ion:	112	Resp:	30253
Ion Ratio	Lower	Upper	
112	100		
77	58.8	46.6	70.0
114	32.2	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: 0.942 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 91 Resp: 44777

Ion Ratio Lower Upper

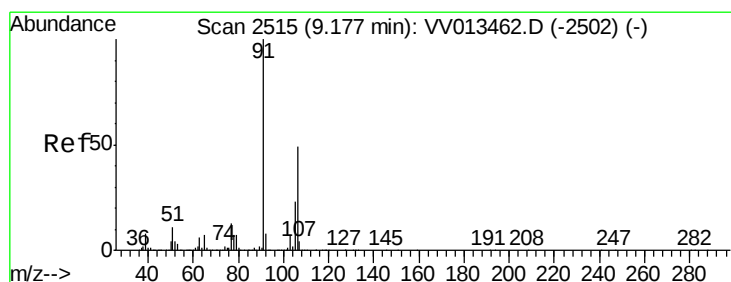
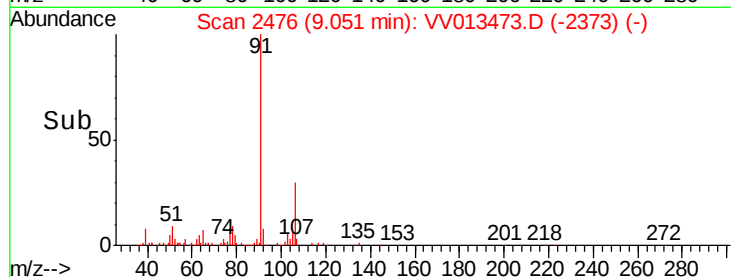
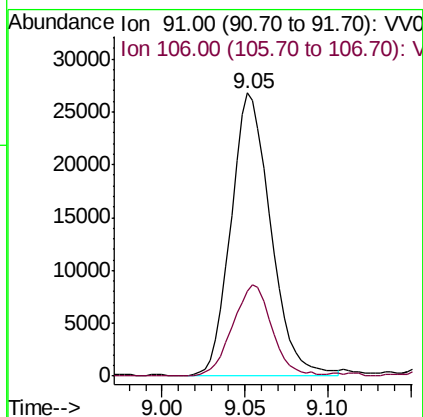
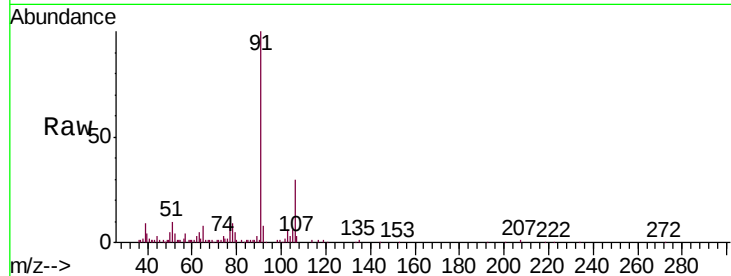
91 100

106 30.0 21.5 39.9

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#54

m,p-Xylene

Concen: 0.906 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013473.D

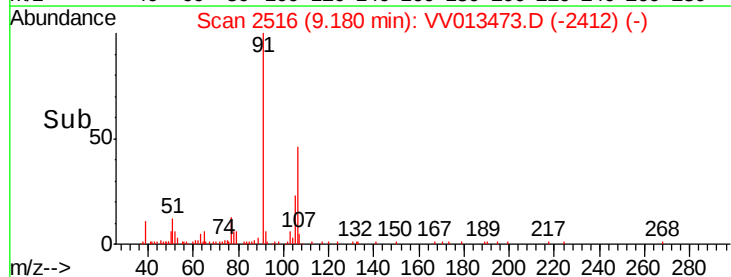
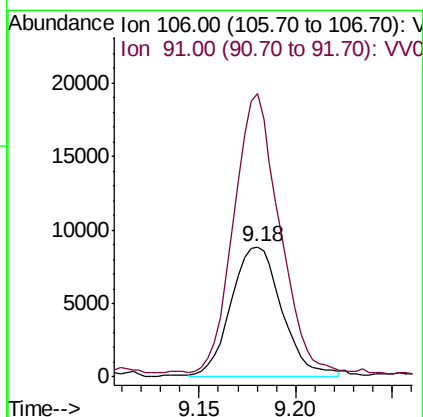
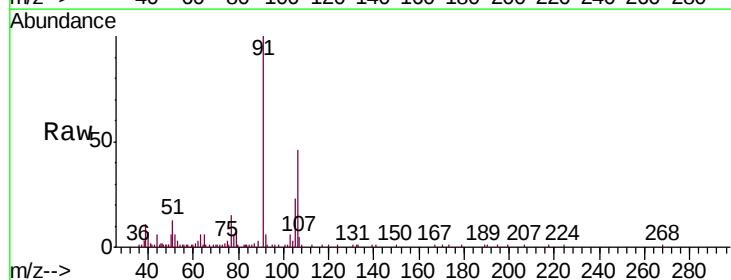
Acq: 01 Nov 2019 17:13

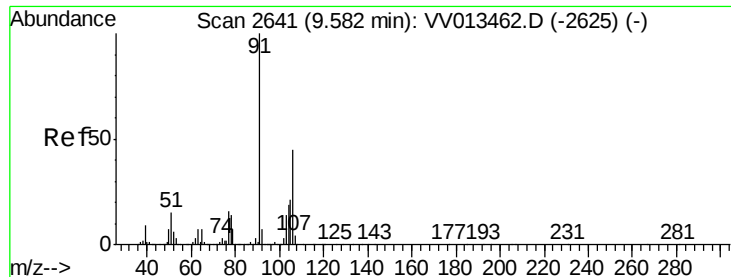
Tgt Ion: 106 Resp: 16197

Ion Ratio Lower Upper

106 100

91 218.0 141.7 263.1





#55

o-xylene

Concen: 0.859 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion:106 Resp: 14518

Ion Ratio Lower Upper

106 100

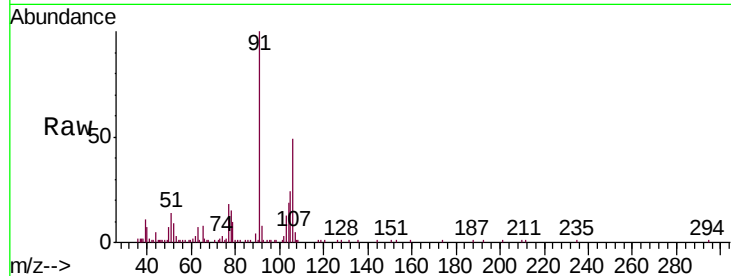
91 205.4 154.2 286.4

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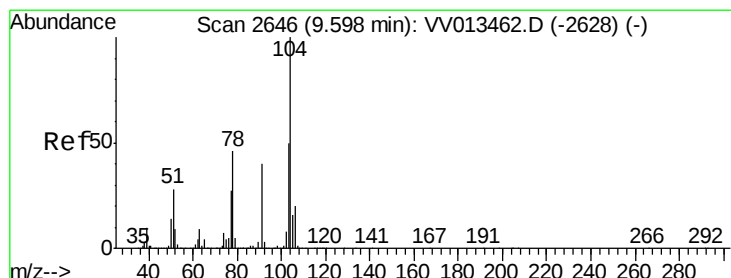
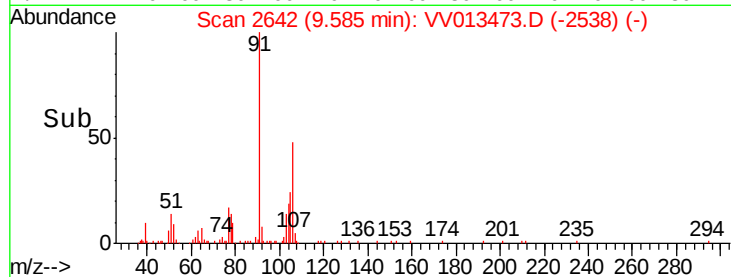
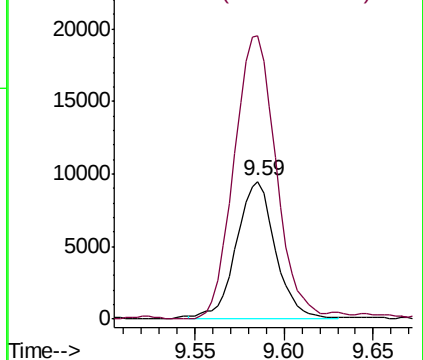
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 0.829 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013473.D

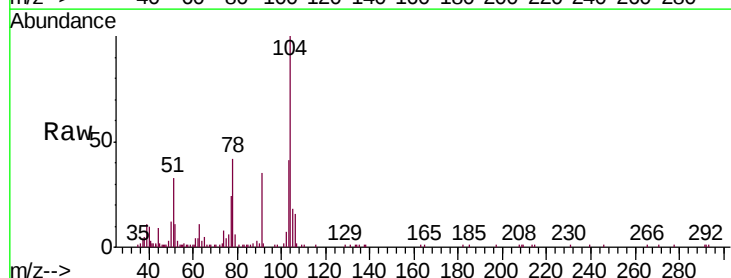
Acq: 01 Nov 2019 17:13

Tgt Ion:104 Resp: 24284

Ion Ratio Lower Upper

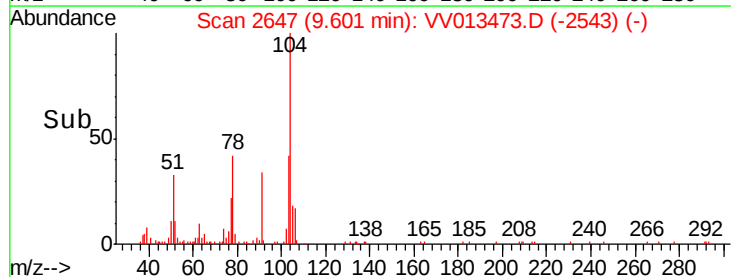
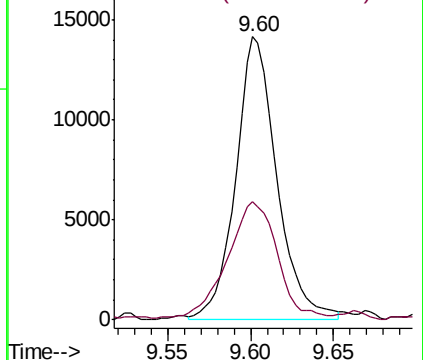
104 100

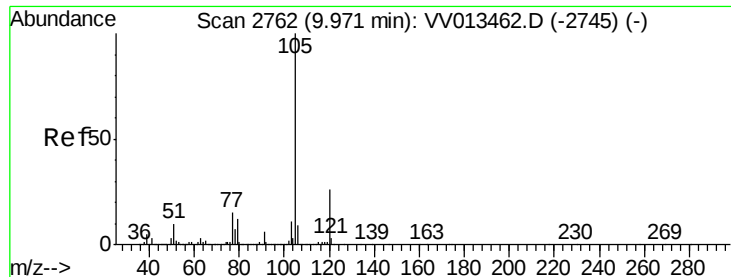
78 41.7 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 0.820 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

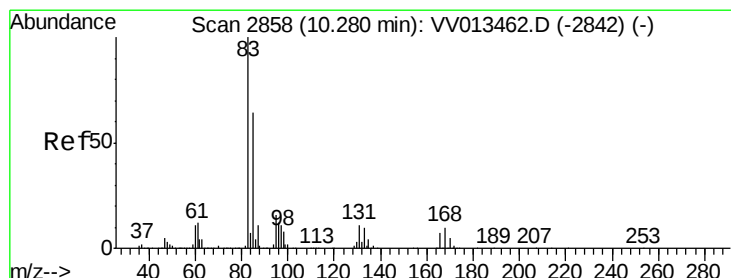
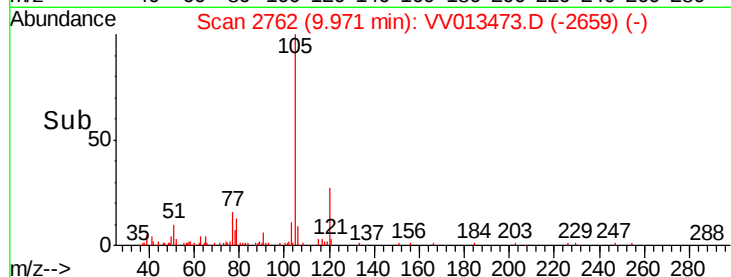
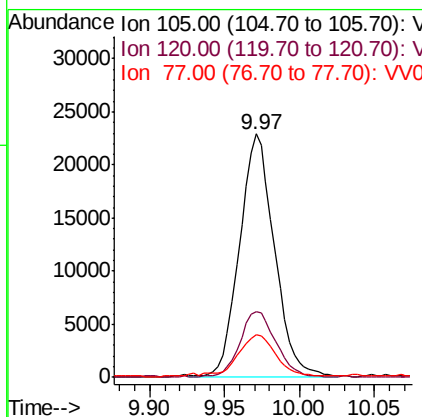
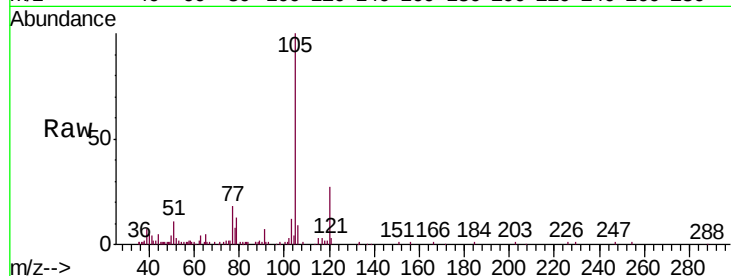
ClientSampleId :

MDL07

Tgt Ion:	105	Resp:	37407
Ion Ratio	Lower	Upper	
105	100		
120	27.0	21.1	31.7
77	17.3	12.3	18.5

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#58

1,1,2,2-Tetrachloroethane

Concen: 1.195 ug/L

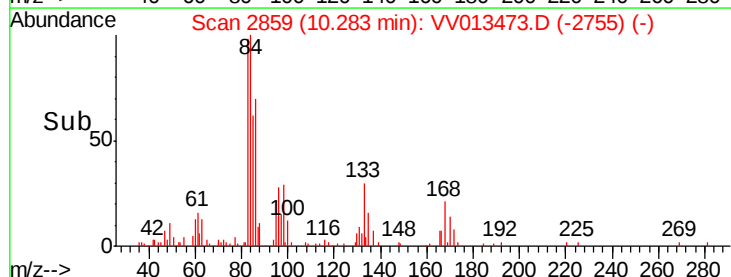
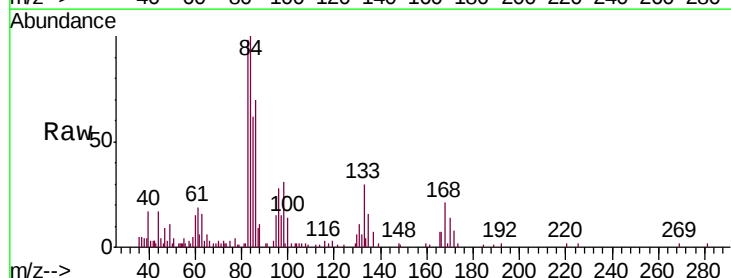
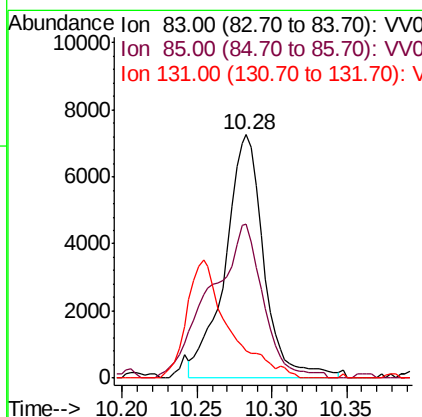
RT: 10.28 min Scan# 2859

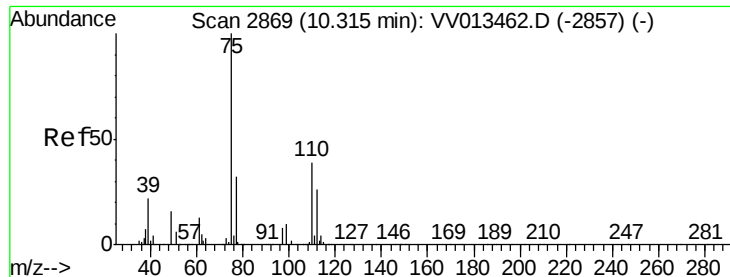
Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Tgt Ion:	83	Resp:	13051
Ion Ratio	Lower	Upper	
83	100		
85	63.3	45.1	83.7
131	11.2	8.5	12.7





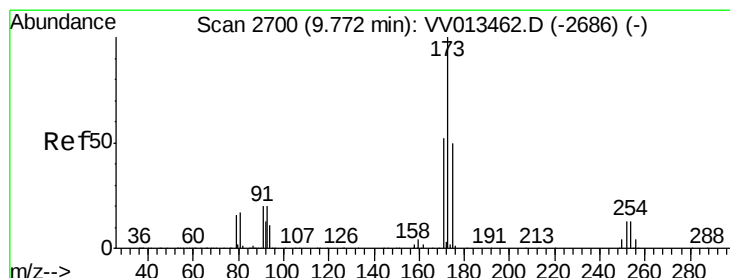
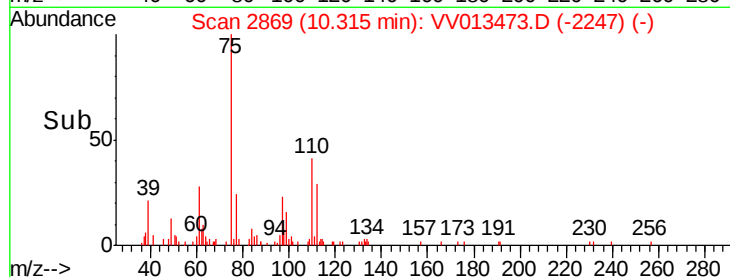
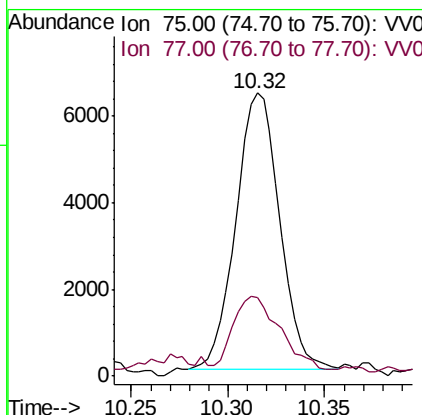
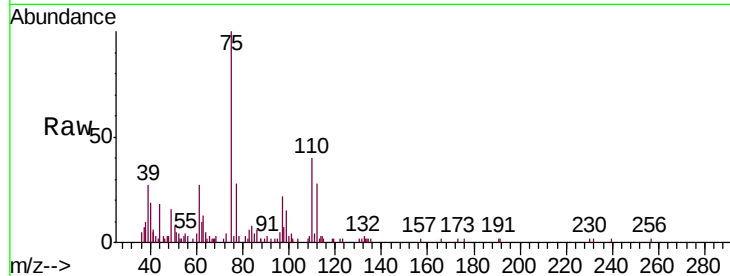
#59
 1,2,3-Trichloropropane
 Concen: 1.096 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion: 75 Resp: 10038
 Ion Ratio Lower Upper
 75 100
 77 27.9 25.7 38.5

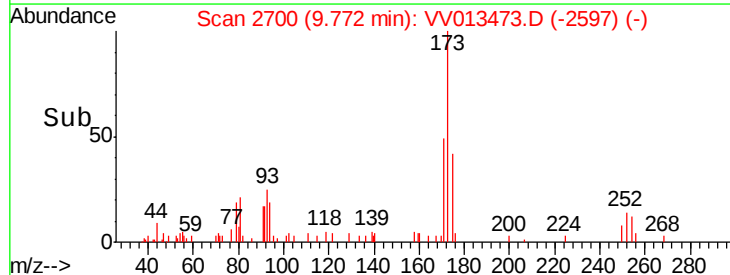
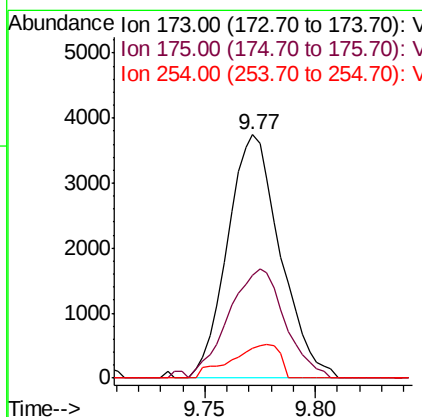
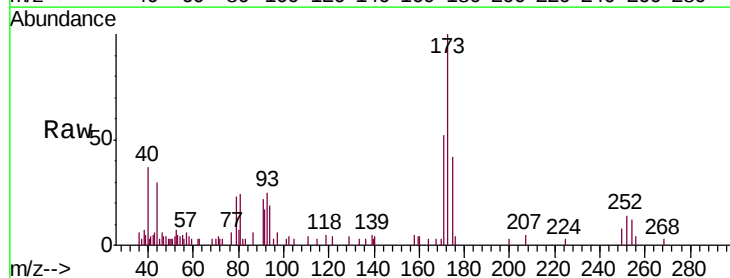
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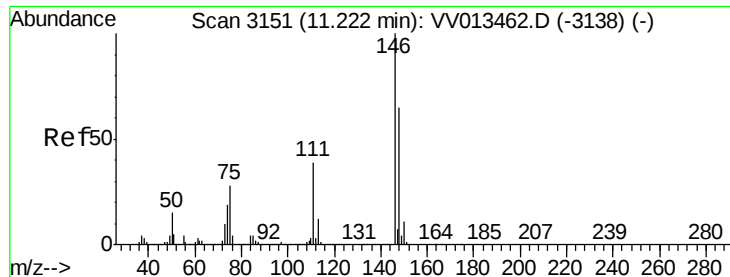
MMDadoda
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#62
 Bromoform
 Concen: 0.968 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Tgt Ion: 173 Resp: 6198
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.4 59.0
 254 11.1 10.1 15.1





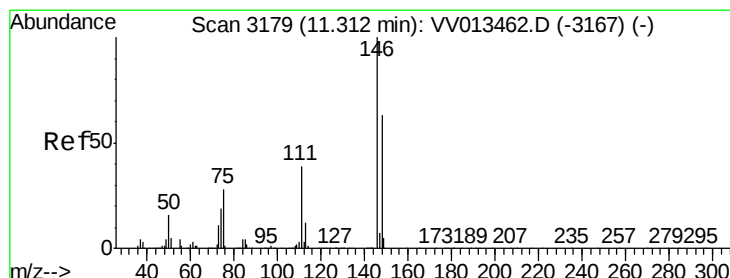
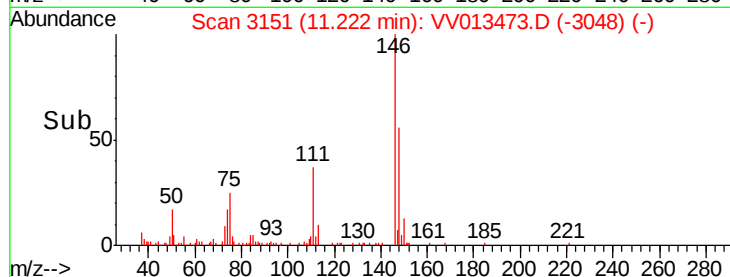
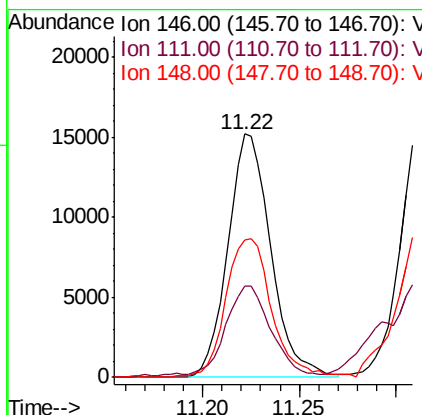
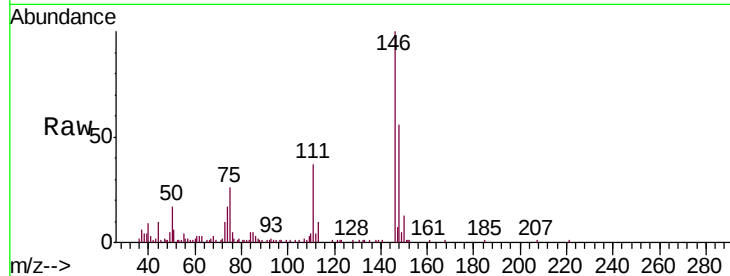
#63
 1,3-Dichlorobenzene
 Concen: 1.051 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	27.1	50.3
148	56.3	45.4	84.2

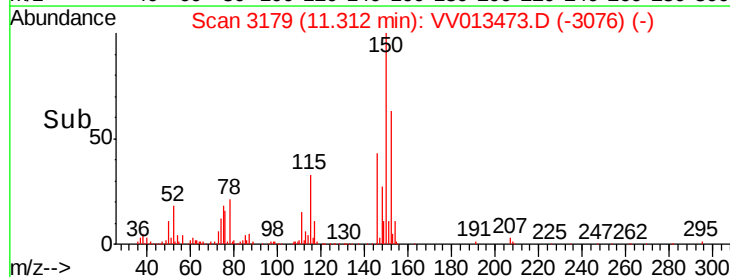
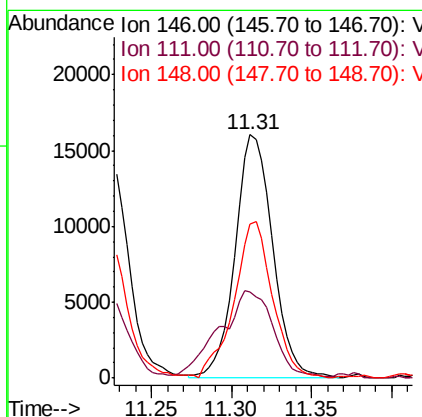
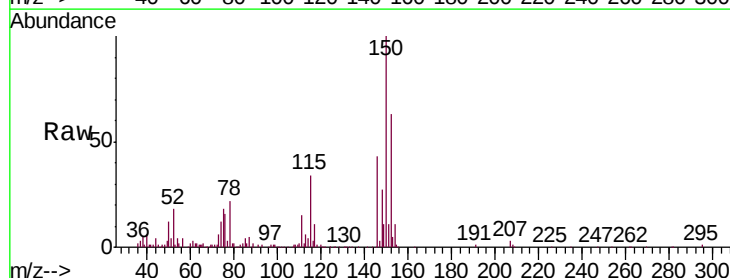
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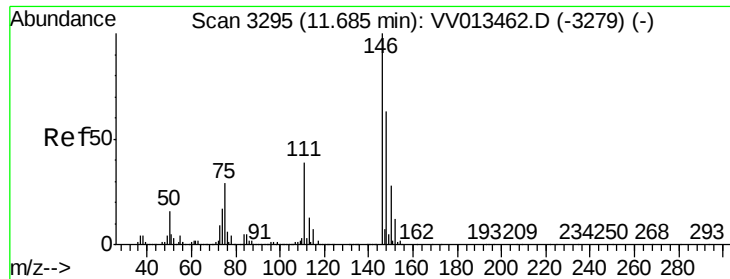
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#64
 1,4-Dichlorobenzene
 Concen: 1.127 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	27.2	50.6
148	63.3	44.4	82.5





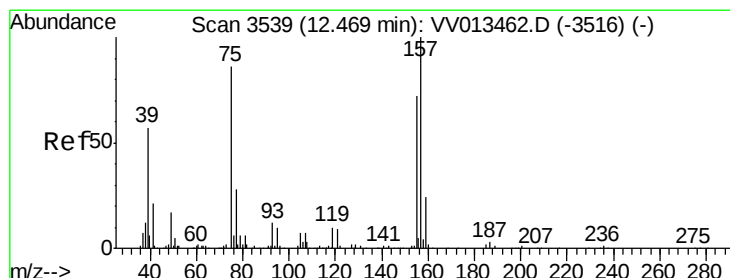
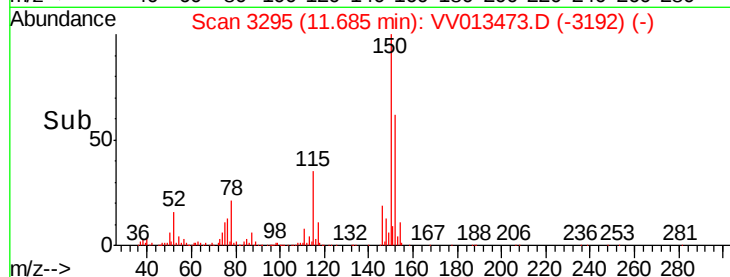
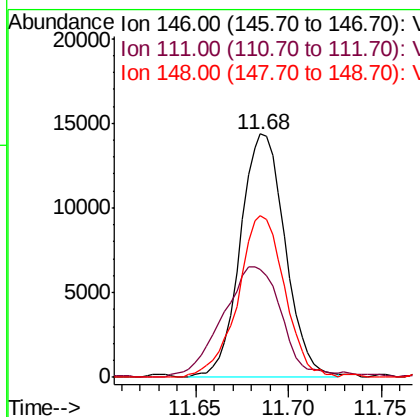
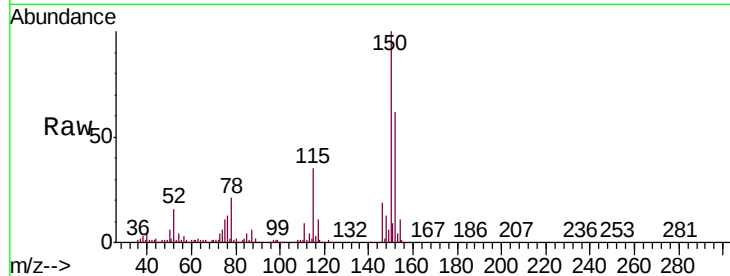
#65
 1,2-Dichlorobenzene
 Concen: 1.168 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	24229		
111	44.3	31.4	47.2	
148	66.6	50.5	75.7	

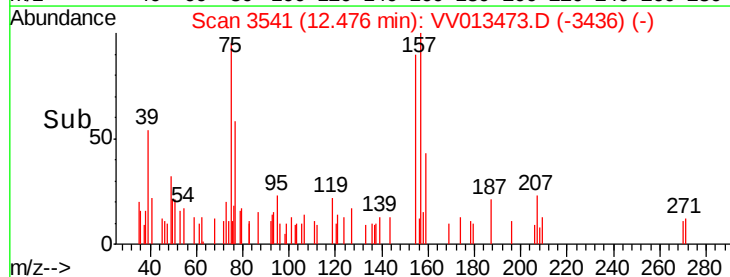
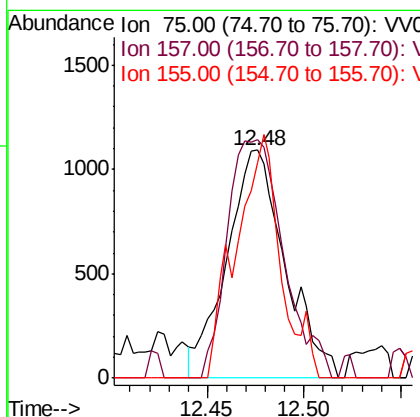
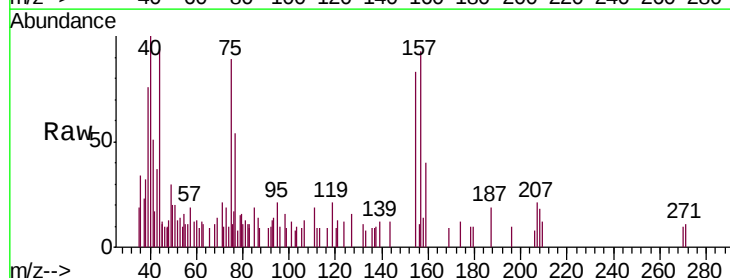
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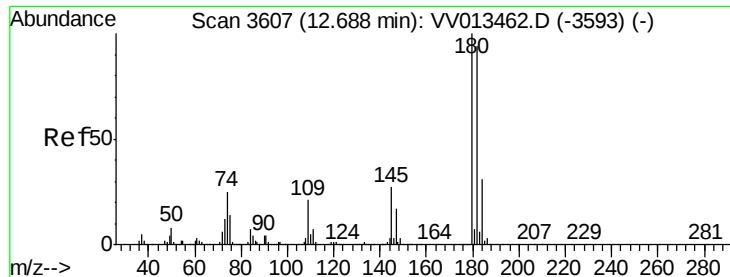
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.208 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.01 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	2305		
157	93.6	93.2	139.8	
155	84.2	66.9	100.3	





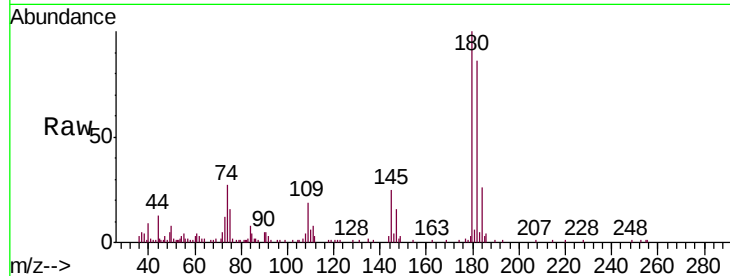
#67
 1,3,5-Trichlorobenzene
 Concen: 1.110 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	19591		
182	91.1	74.8	112.2	
184	29.5	24.3	36.5	
145	26.2	21.1	31.7	

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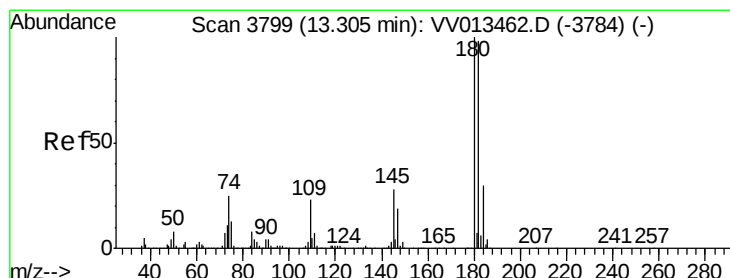
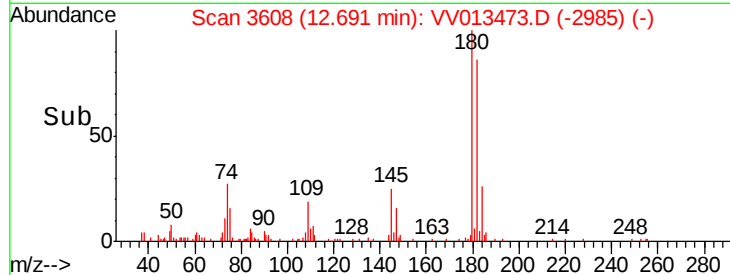
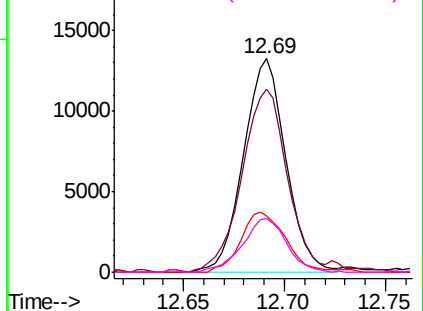
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

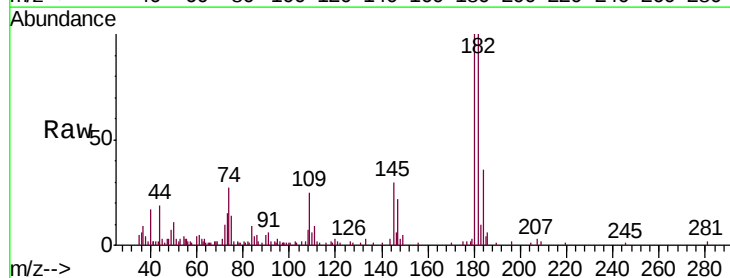
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.039 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	15630		
182	93.6	77.4	116.0	
145	27.2	22.3	33.5	

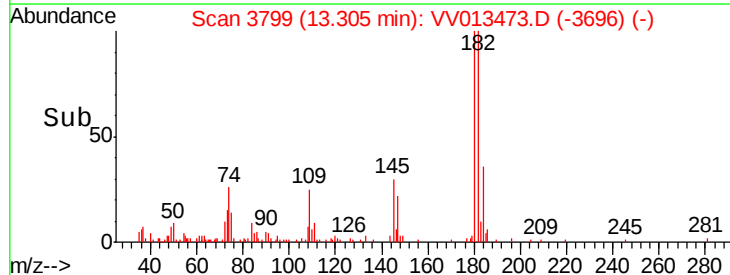
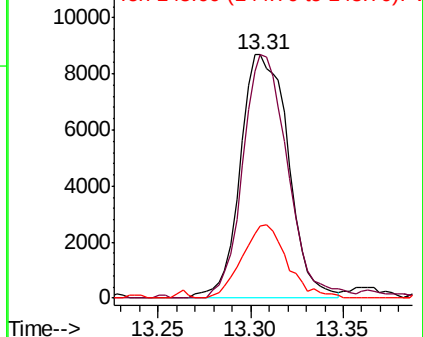


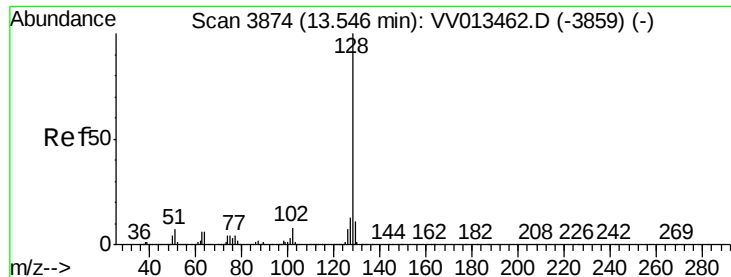
Abundance

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





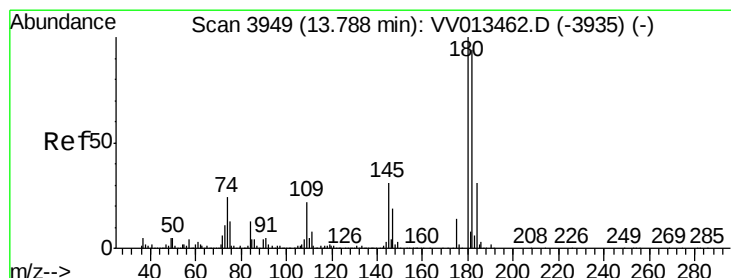
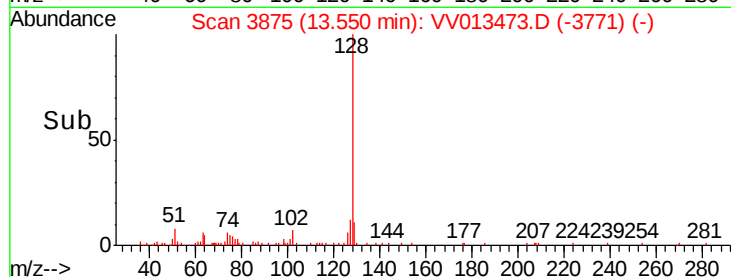
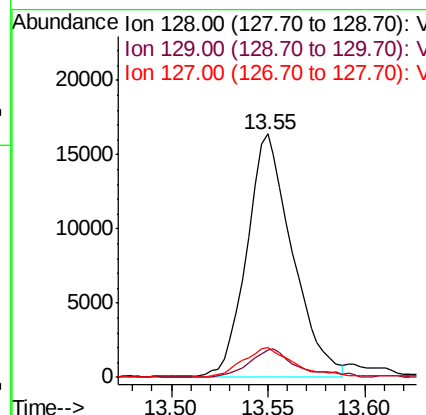
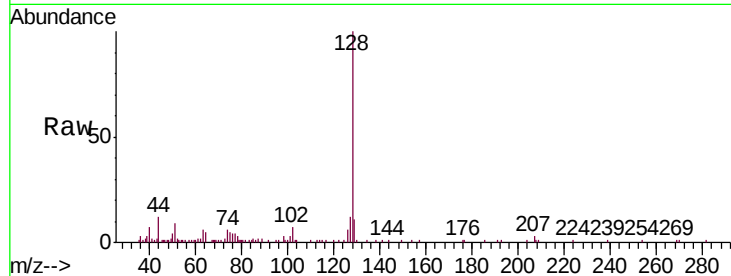
#69
Naphthalene
Concen: 0.923 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	13.0
127	13.9	10.5	15.7

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#70
1,2,3-Trichlorobenzene
Concen: 1.040 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.8	75.2	112.8
145	35.6	23.8	35.6

