

Data File : VV013470.D
Acq On : 01 Nov 2019 15:51
Operator : SY/MD
Sample : MDL04
Misc : 5.00G/10.0ML/MSVOA_V/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Manual Integrations
APPROVED

MMDadoda
11/4/2019 12:38:40 PM

Quant Time: Nov 02 03:38:41 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	705129	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	686097	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	347560	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	240009	24.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.68%
7) Chloroethane-d5	1.58	69	188963	26.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.32%
10) 1,1-Dichloroethene-d2	2.13	63	307666m	17.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.28%
20) 2-Butanone-d5	3.95	46	228354	49.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.06%
24) Chloroform-d	4.40	84	447733	22.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.68%
26) 1,2-Dichloroethane-d4	5.08	65	280857	24.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.28%
29) Benzene-d6	5.09	84	963292	23.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.64%
33) 1,2-Dichloropropane-d6	6.11	67	294383	23.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.80%
37) Toluene-d8	7.36	98	852472	23.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.48%
38) trans-1,3-Dichloropropene-	7.66	79	120380	22.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.16%
39) 2-Hexanone-d5	8.13	63	124008	47.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.36%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	263765	23.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	336768	24.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	12591	1.145 ug/L	92
3) Chloromethane	1.25	50	10653	0.950 ug/L	95
5) Vinyl chloride	1.32	62	11935	1.087 ug/L #	61
6) Bromomethane	1.54	94	5858	1.135 ug/L	97
8) Chloroethane	1.60	64	5950	0.977 ug/L	97
9) Trichlorofluoromethane	1.77	101	15601	1.038 ug/L	93
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	11090	1.237 ug/L	88
12) 1,1-Dichloroethene	2.14	96	11068m	1.306 ug/L	
13) Acetone	2.22	43	23052	4.234 ug/L	98
14) Carbon disulfide	2.32	76	31907	0.970 ug/L #	95
15) Methyl Acetate	2.47	43	7685	0.938 ug/L	91
16) Methylene chloride	2.53	84	34777	2.650 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	26097	0.938 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	11271	0.997 ug/L	93
19) 1,1-Dichloroethane	3.23	63	20268	0.983 ug/L	96
21) 2-Butanone	4.05	43	13967m	2.487 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	10835	0.912 ug/L	78

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	6005m	1.053	ug/L	
25) Chloroform	4.42	83	34406	1.631	ug/L	83
27) 1,2-Dichloroethane	5.18	62	15569m	1.063	ug/L	
30) Cyclohexane	4.72	56	17408	0.940	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	17279	0.992	ug/L	97
32) Carbon tetrachloride	4.87	117	14670	0.946	ug/L	97
34) Benzene	5.15	78	40806	0.907	ug/L	100
35) Trichloroethene	5.96	95	13828	1.138	ug/L #	85
36) Methylcyclohexane	6.17	83	16952	0.891	ug/L	94
40) 1,2-Dichloropropane	6.22	63	12684m	1.119	ug/L	
41) Bromodichloromethane	6.56	83	13980	0.958	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	14533	0.865	ug/L	86
43) 4-Methyl-2-pentanone	7.27	43	22881	2.187	ug/L	92
44) Toluene	7.43	91	44766	0.974	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	14249	0.989	ug/L	90
46) 1,1,2-Trichloroethane	7.88	97	10519	1.158	ug/L	97
47) Tetrachloroethene	8.01	164	10209	0.991	ug/L	93
49) 2-Hexanone	8.19	43	32027	4.205	ug/L	97
50) Dibromochloromethane	8.29	129	10364	0.954	ug/L	96
51) 1,2-Dibromoethane	8.40	107	9253	0.986	ug/L	89
52) Chlorobenzene	8.92	112	28913	0.929	ug/L	94
53) Ethylbenzene	9.05	91	45054	0.889	ug/L	96
54) m,p-Xylene	9.18	106	16767	0.880	ug/L	97
55) o-xylene	9.58	106	15971	0.886	ug/L	95
56) Styrene	9.60	104	23782	0.761	ug/L	98
57) Isopropylbenzene	9.97	105	39492	0.812	ug/L	94
58) 1,1,2,2-Tetrachloroethane	10.28	83	13696	1.176	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	10241	1.049	ug/L	91
62) Bromoform	9.77	173	6256	0.908	ug/L	95
63) 1,3-Dichlorobenzene	11.22	146	25692	1.071	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	26533	1.081	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	25200	1.130	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.48	75	2811	1.370	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	20736	1.093	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	17189	1.063	ug/L	98
69) Naphthalene	13.55	128	27597	0.882	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	15630	1.033	ug/L	98

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

Data File : VV013470.D

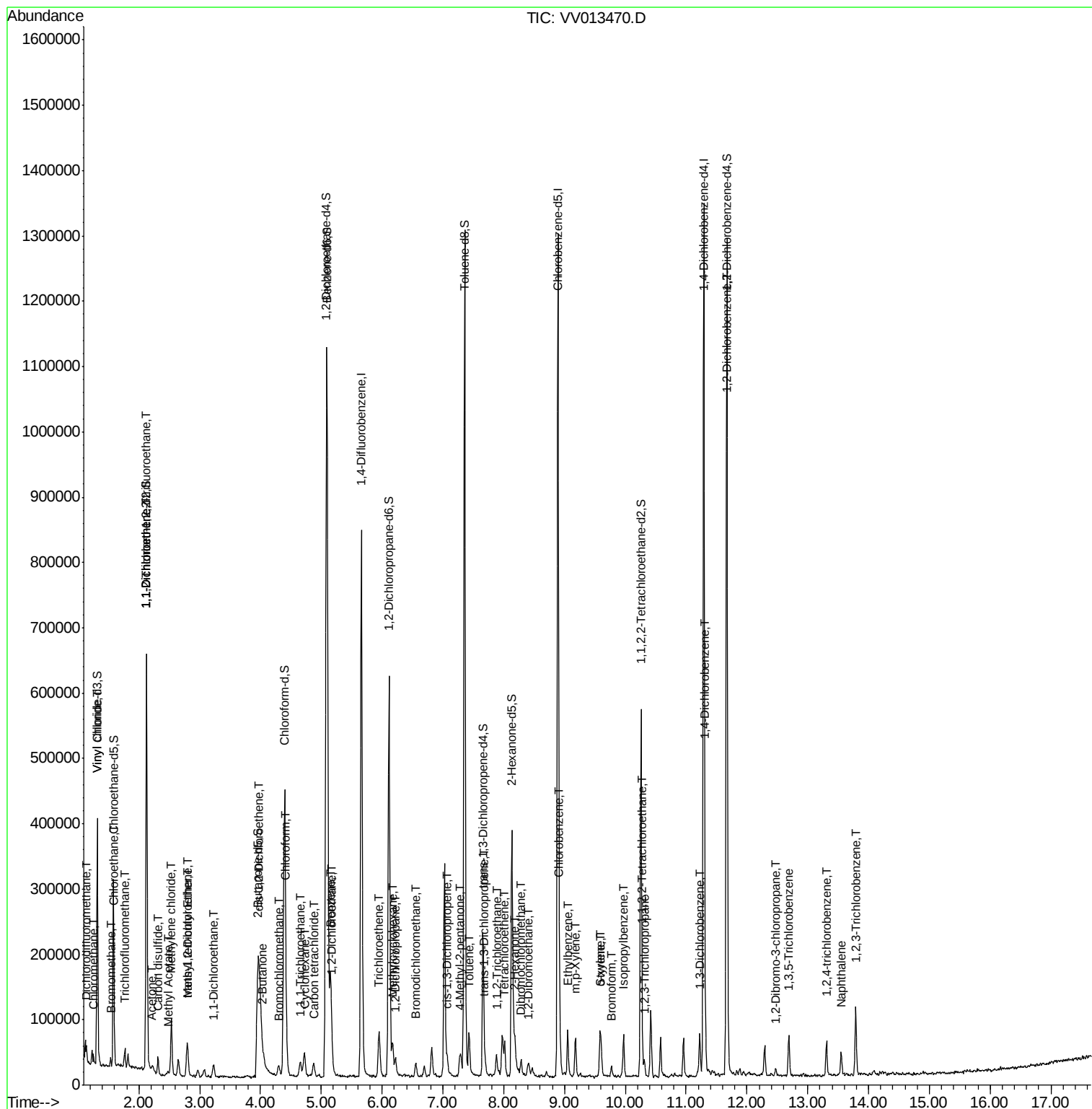
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Acq On       : 01 Nov 2019 15:51
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Misc        : 5.00G/10.0ML/MSVOA_V/SOIL
ALS Vial    : 15      Sample Multiplier: 1
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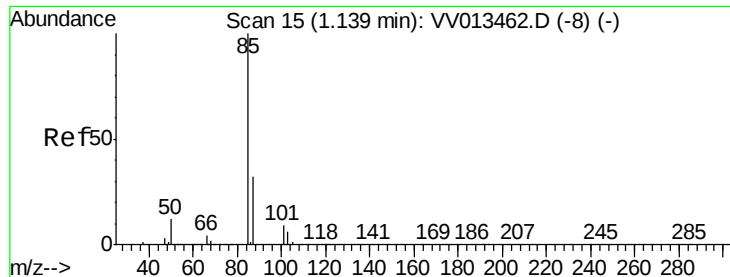
Instrument :
MSVOA_V
ClientSampleId :
MDL04

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#2

Dichlorodifluoromethane

Concen: 1.145 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013470.D

Acq: 01 Nov 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tgt Ion: 85 Resp: 12591

Ion Ratio Lower Upper

85 100

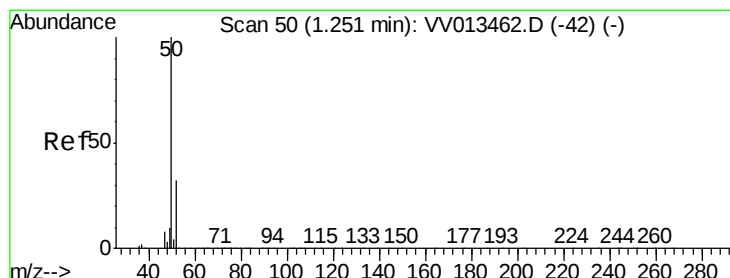
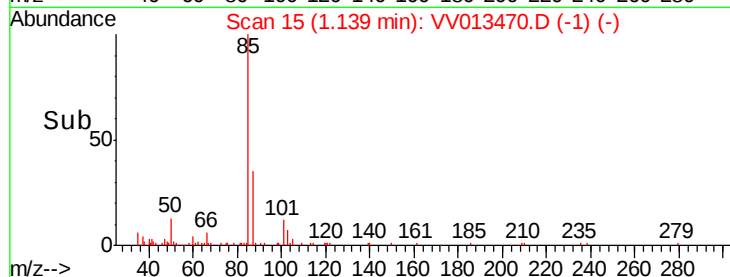
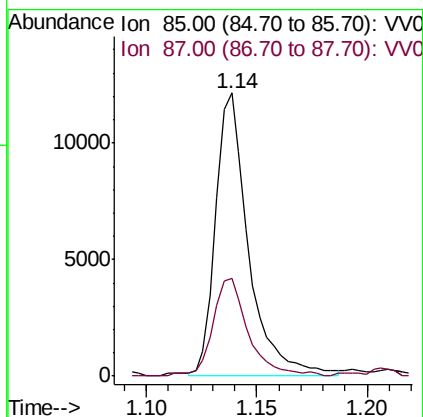
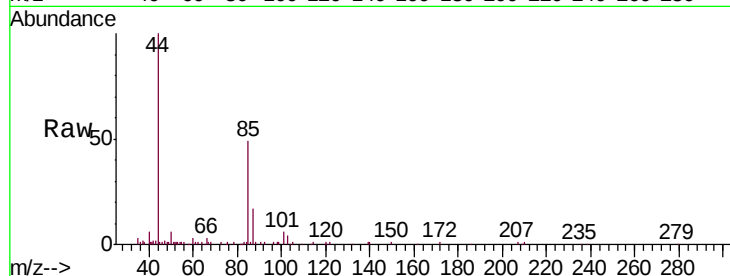
87 36.0 22.2 41.2

Manual Integrations

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#3

Chloromethane

Concen: 0.950 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013470.D

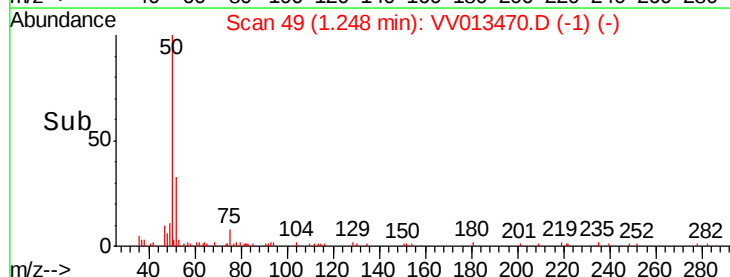
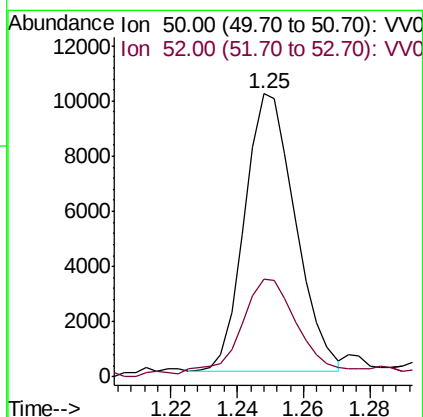
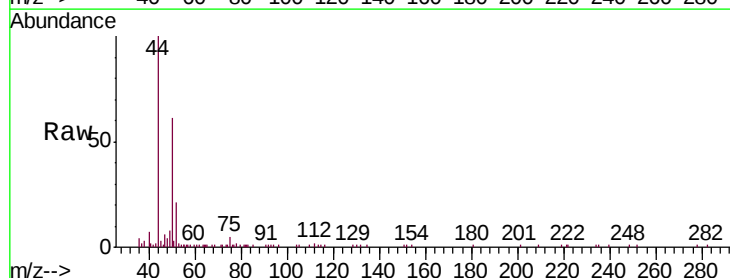
Acq: 01 Nov 2019 15:51

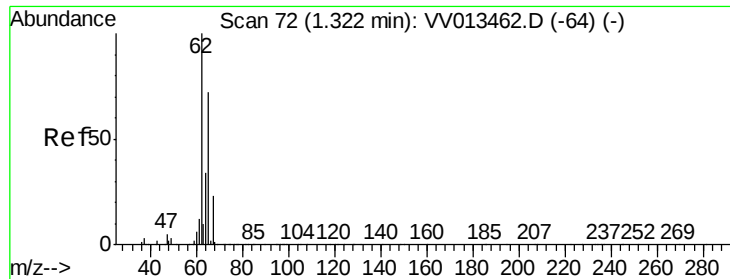
Tgt Ion: 50 Resp: 10653

Ion Ratio Lower Upper

50 100

52 34.6 22.2 41.2





#5

Vinyl chloride

Concen: 1.087 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013470.D

Acq: 01 Nov 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tgt Ion: 62 Resp: 11935

Ion Ratio Lower Upper

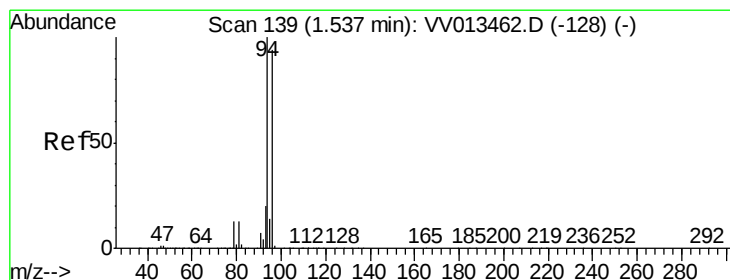
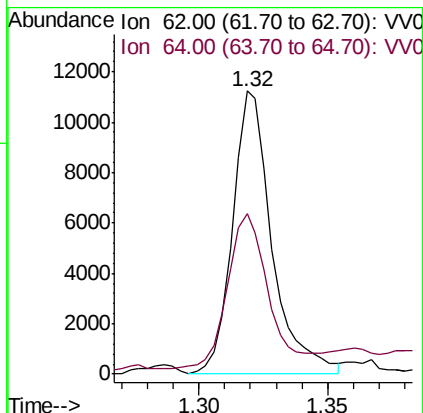
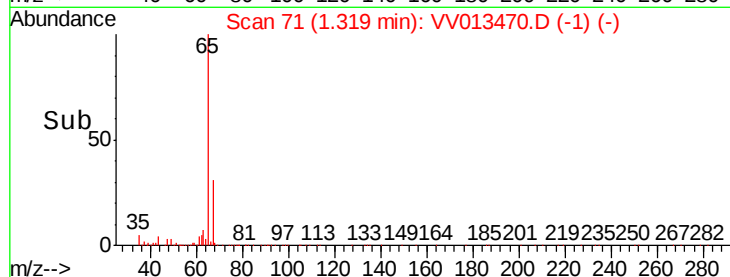
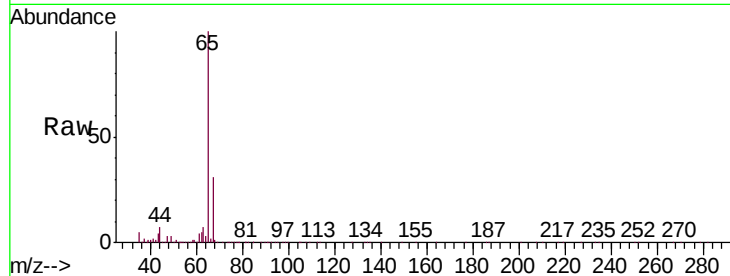
62 100

64 56.6 23.8 44.2#

Manual Integrations
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#6

Bromomethane

Concen: 1.135 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013470.D

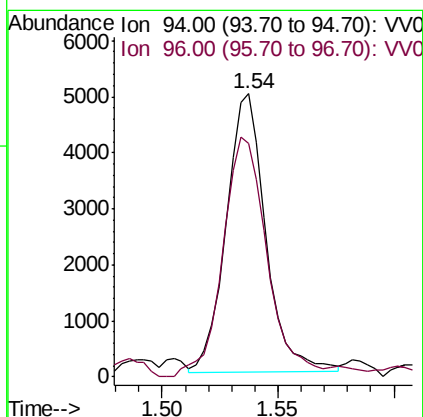
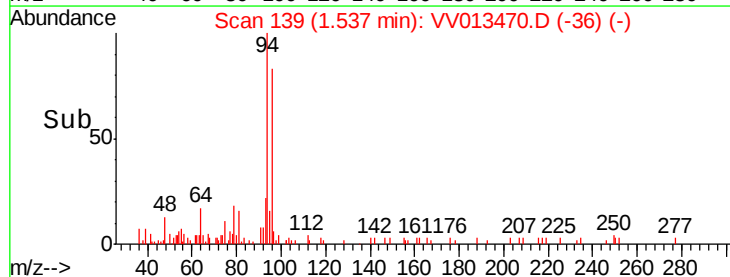
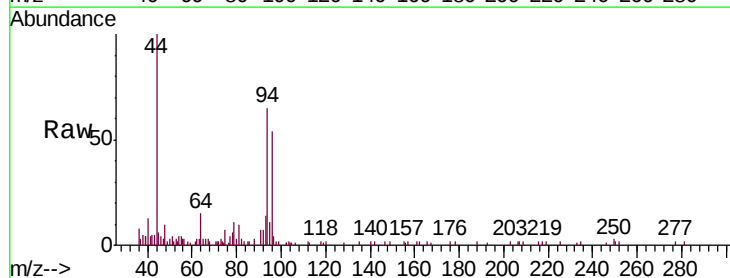
Acq: 01 Nov 2019 15:51

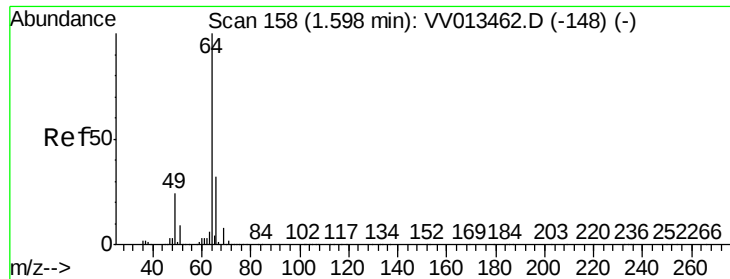
Tgt Ion: 94 Resp: 5858

Ion Ratio Lower Upper

94 100

96 96.5 9.4 177.8





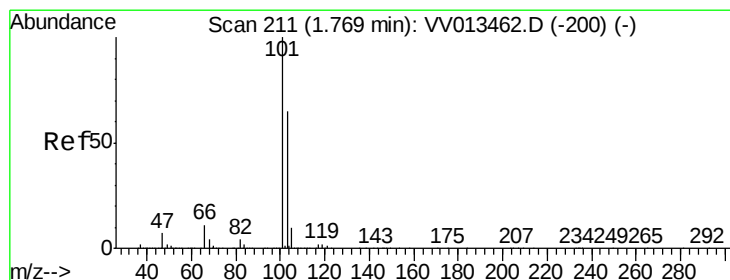
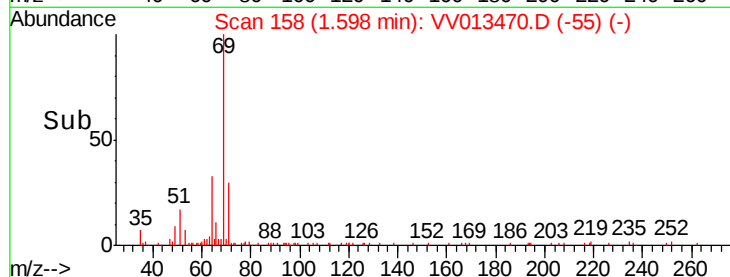
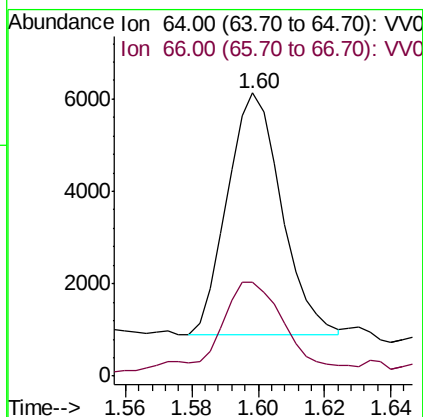
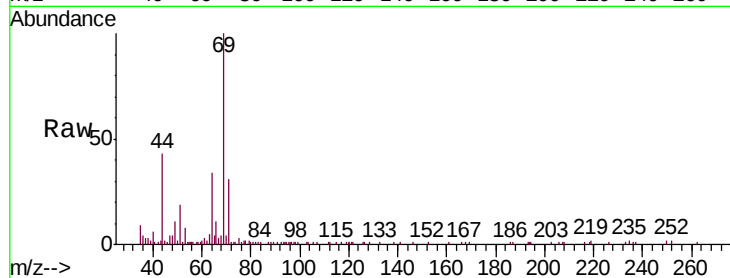
#8
Chloroethane
Concen: 0.977 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tgt Ion	Ratio	Lower	Upper
64	100		
66	33.2	22.3	41.3

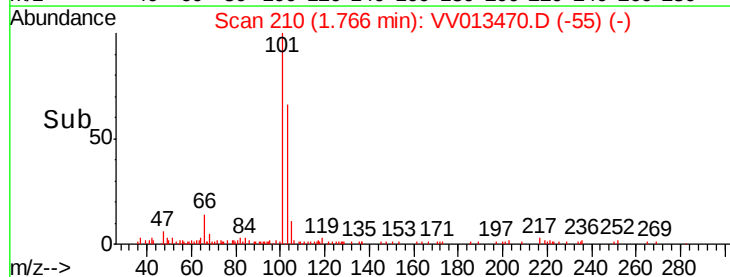
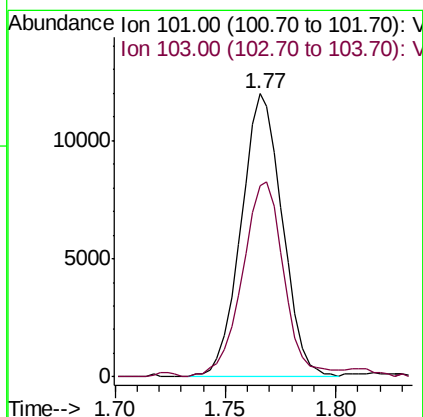
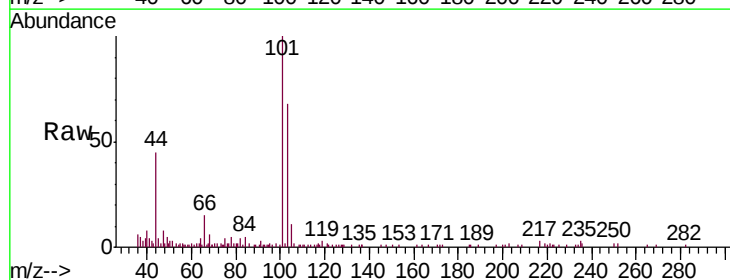
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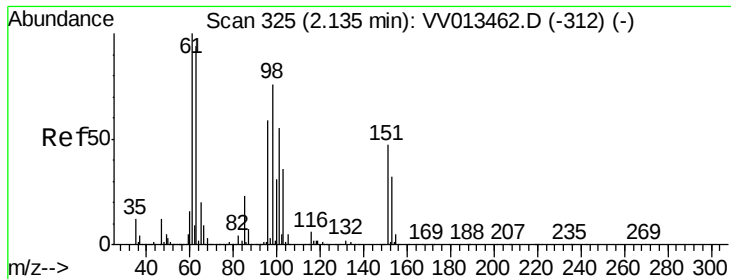
MMDadoda
11/4/2019 12:38:40 PM



#9
Trichlorofluoromethane
Concen: 1.038 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
101	100		
103	69.8	45.1	83.9





#11

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

Concen: 1.237 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013470.D

Acq: 01 Nov 2019 15:51

Instrument :

MSVOA_V

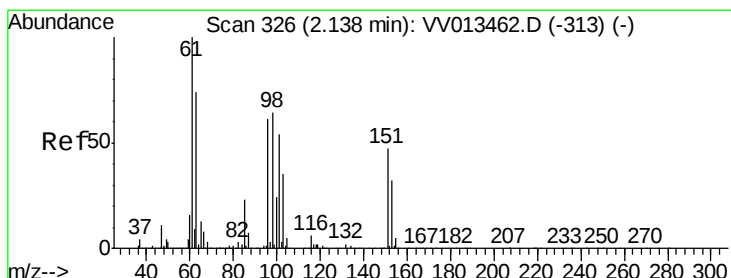
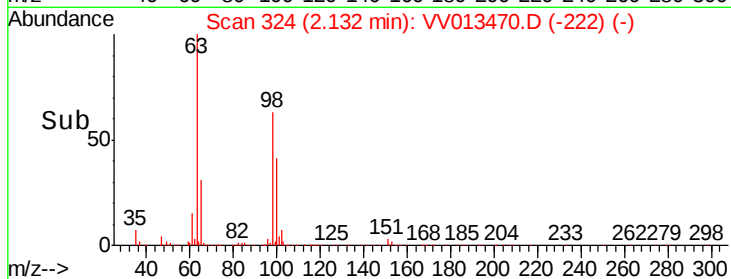
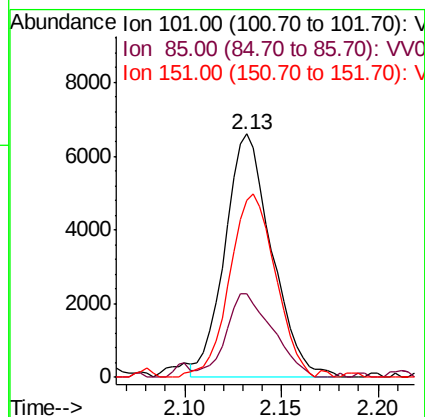
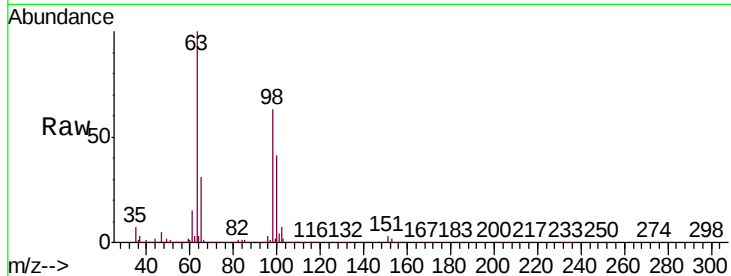
ClientSampleId :

MDL04

Tgt Ion:	101	Resp:	11090
Ion Ratio	Lower	Upper	
101	100		
85	34.6	33.1	49.7
151	74.0	68.3	102.5

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.306 ug/L m

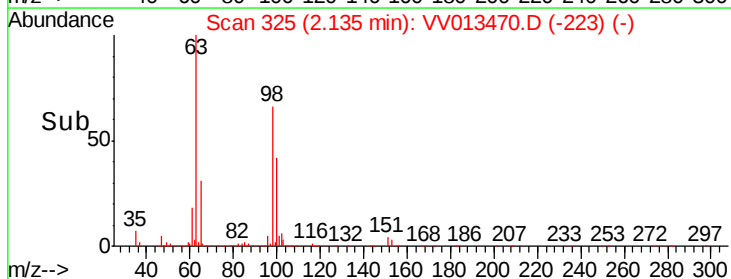
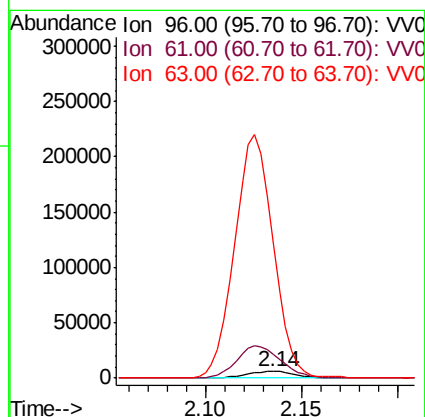
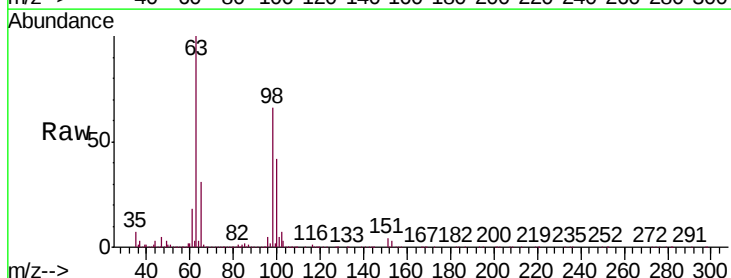
RT: 2.14 min Scan# 325

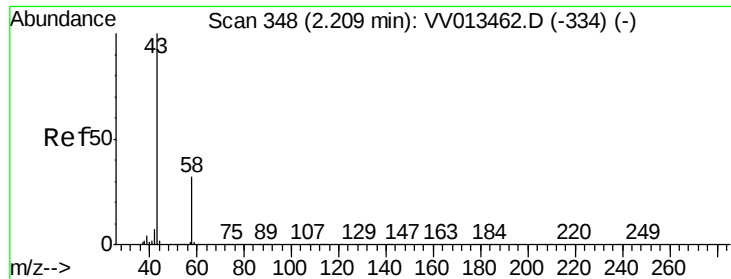
Delta R.T. -0.00 min

Lab File: VV013470.D

Acq: 01 Nov 2019 15:51

Tgt Ion:	96	Resp:	11068
Ion Ratio	Lower	Upper	
96	100		
61	370.5	114.7	212.9#
63	2042.9	84.7	157.3#





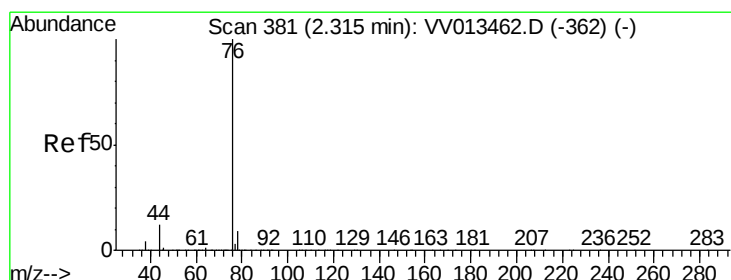
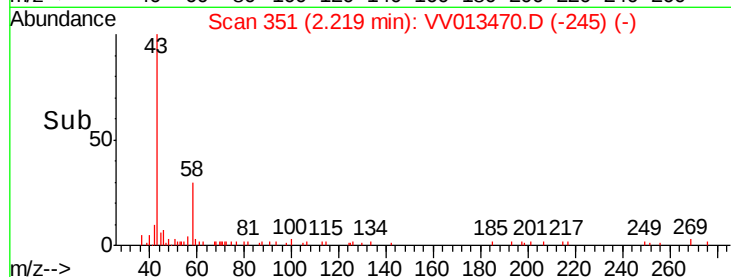
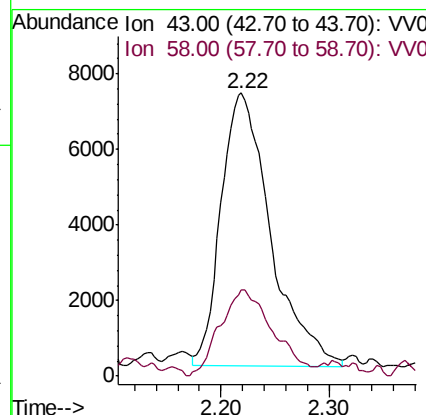
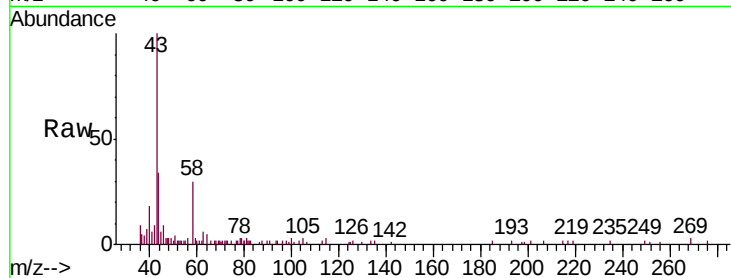
#13
Acetone
Concen: 4.234 ug/L
RT: 2.22 min Scan# 351
Delta R.T. 0.01 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.3	0.0	63.2

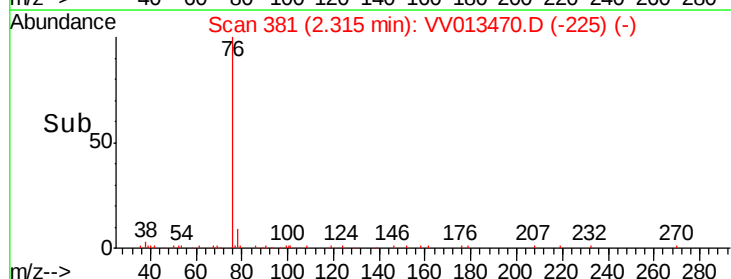
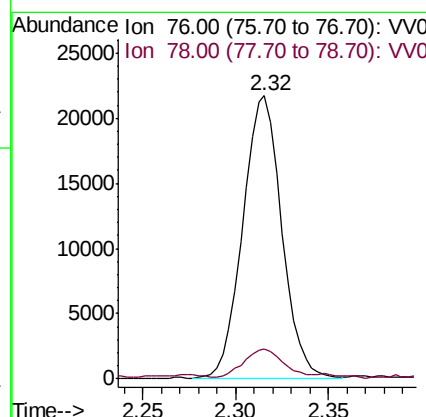
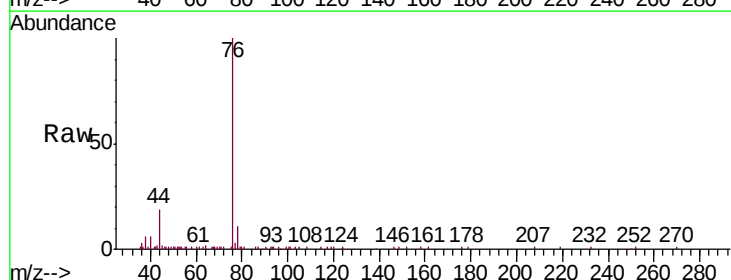
Manual Integrations
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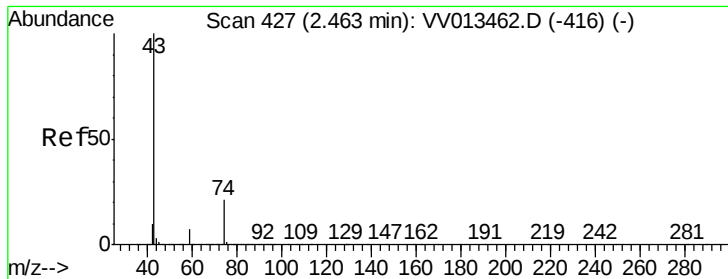
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#14
Carbon disulfide
Concen: 0.970 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.1	10.7#





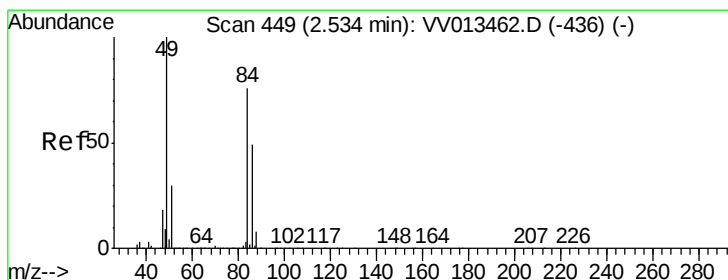
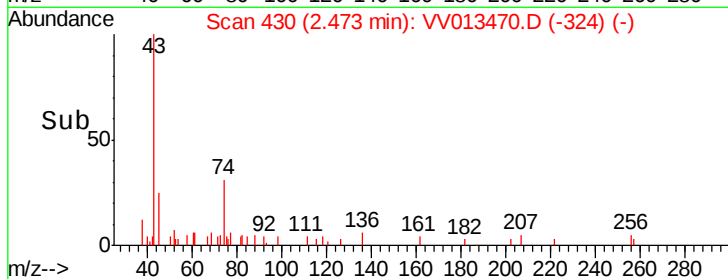
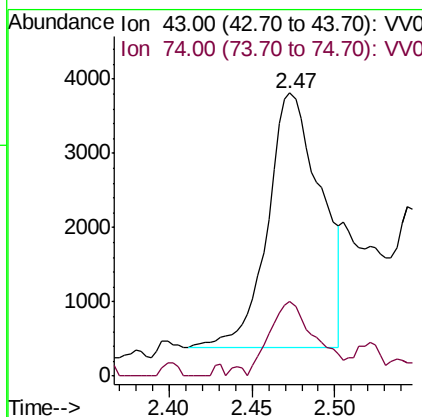
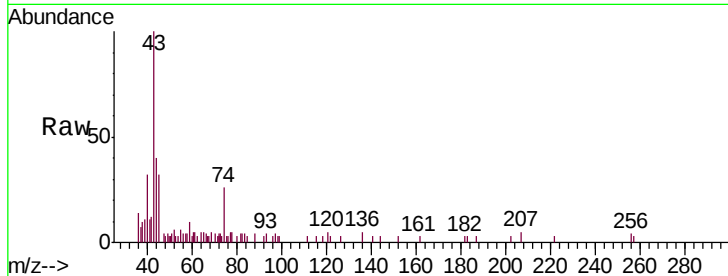
#15
Methyl Acetate
Concen: 0.938 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.01 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tgt Ion: 43 Resp: 7685
Ion Ratio Lower Upper
43 100
74 25.2 16.9 25.3

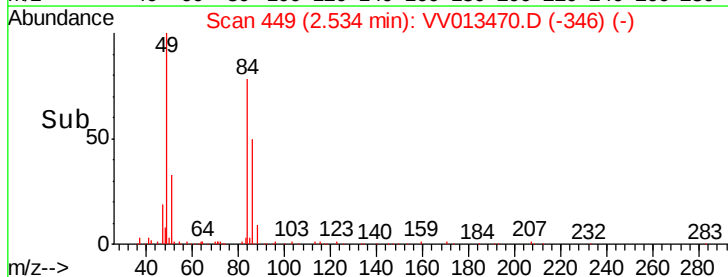
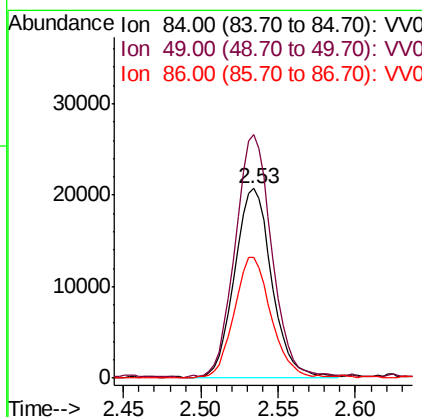
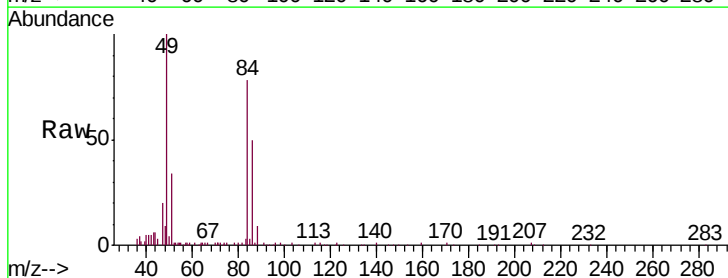
Manual Integrations
APPROVED

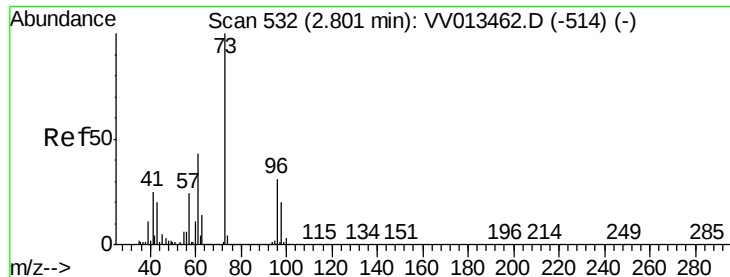
MMDadoda
11/4/2019 12:38:40 PM



#16
Methylene chloride
Concen: 2.650 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Tgt Ion: 84 Resp: 34777
Ion Ratio Lower Upper
84 100
49 128.6 92.4 171.6
86 64.1 45.1 83.7





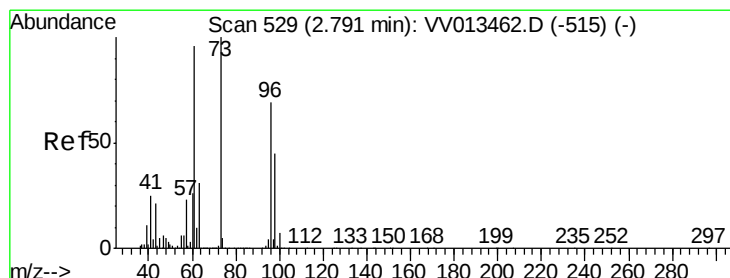
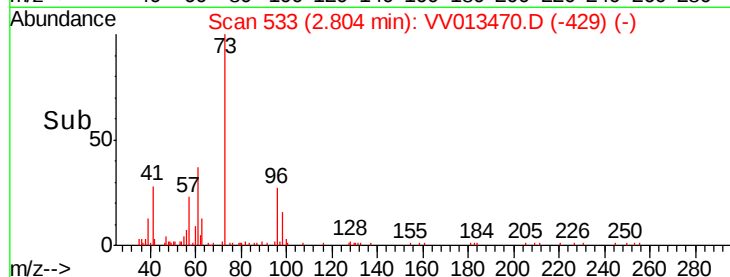
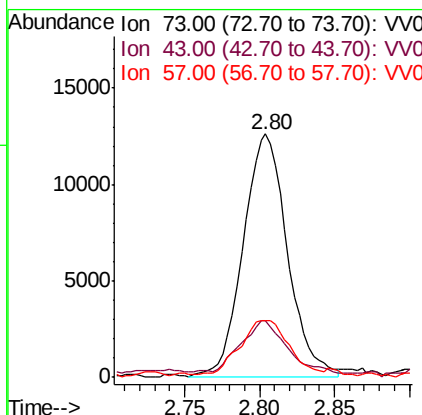
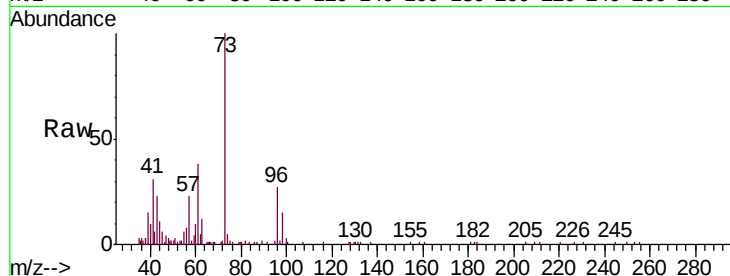
#17
Methyl tert-butyl Ether
Concen: 0.938 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.8	16.2	24.2
57	24.4	18.6	27.8

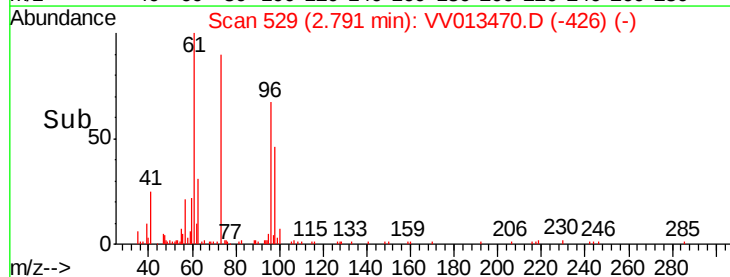
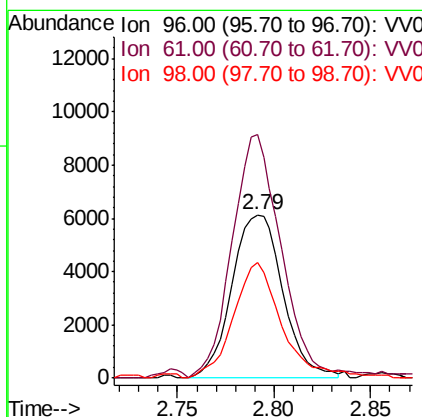
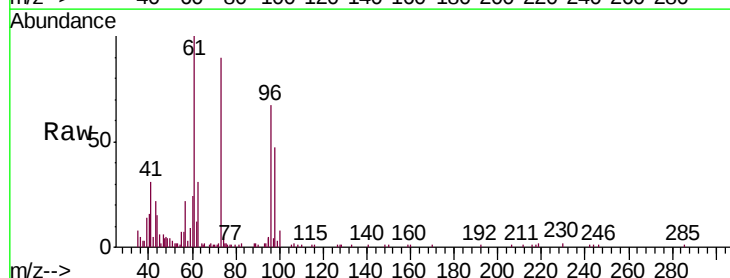
Manual Integrations
APPROVED

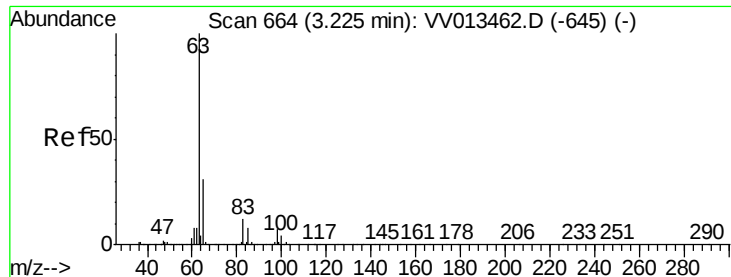
MMDadoda
11/4/2019 12:38:40 PM



#18
trans-1,2-Dichloroethene
Concen: 0.997 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.4	98.0	182.0
98	70.6	45.6	84.8





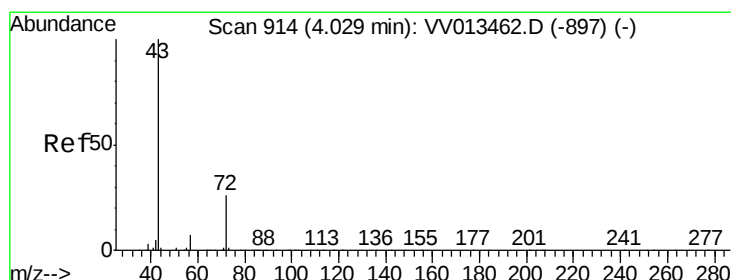
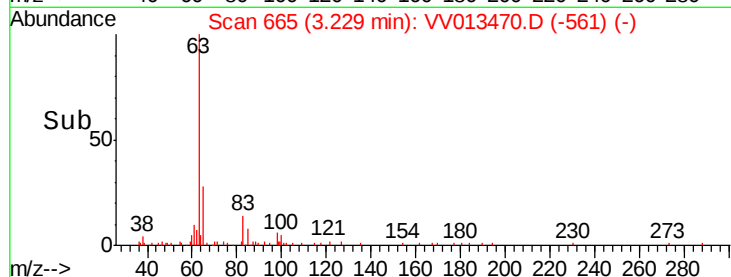
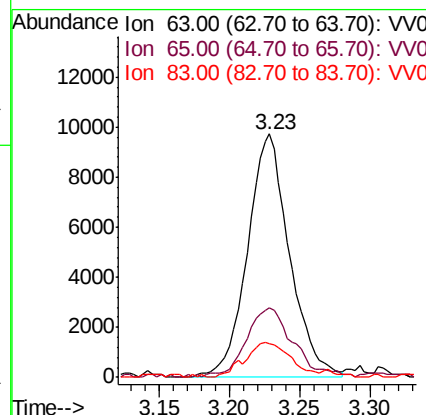
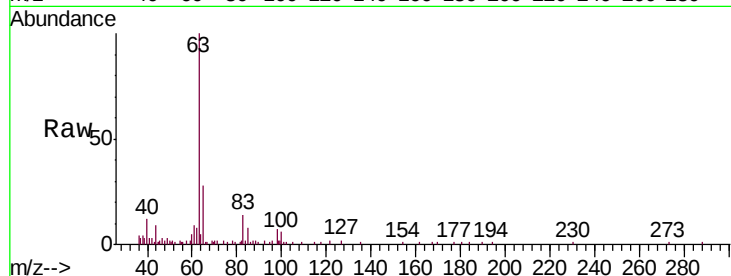
#19
 1,1-Dichloroethane
 Concen: 0.983 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013470.D
 Acq: 01 Nov 2019 15:51

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion	Ratio	Lower	Upper
63	100		
65	28.4	21.7	40.3
83	14.1	8.8	16.3

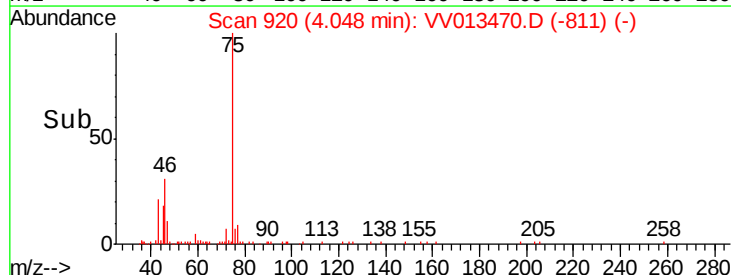
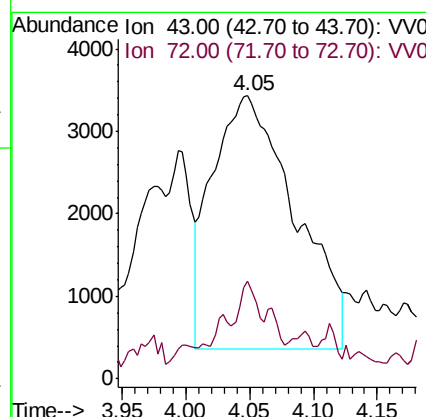
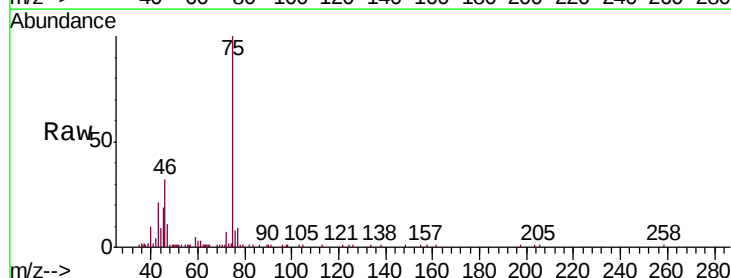
Manual Integrations
 APPROVED

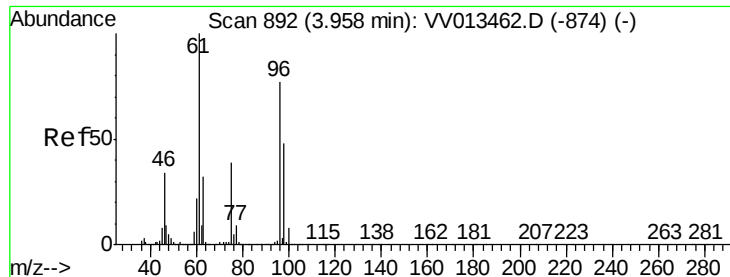
MMDadoda
 11/4/2019 12:38:40 PM



#21
 2-Butanone
 Concen: 2.487 ug/L m
 RT: 4.05 min Scan# 920
 Delta R.T. 0.02 min
 Lab File: VV013470.D
 Acq: 01 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	9.0	12.1	36.3#





#22

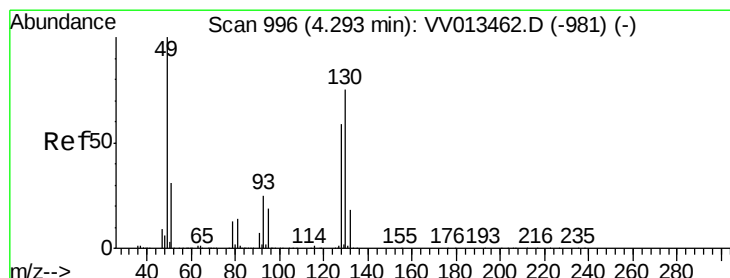
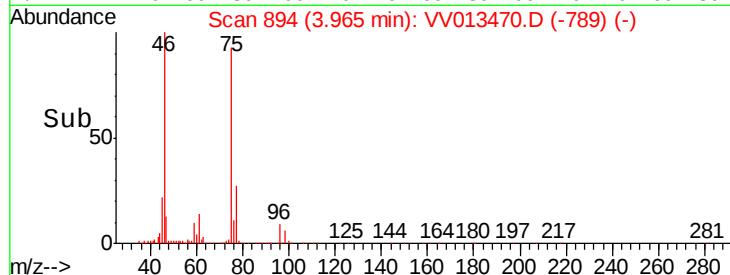
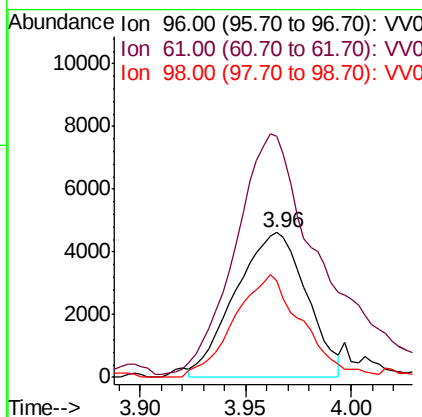
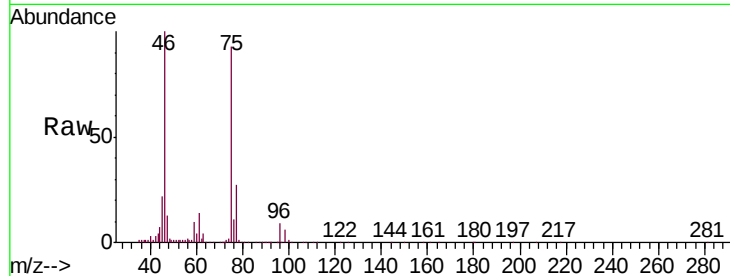
cis-1,2-Dichloroethene
Concen: 0.912 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.5	91.5	169.9
98	66.2	43.8	81.3

Manual Integrations
APPROVED

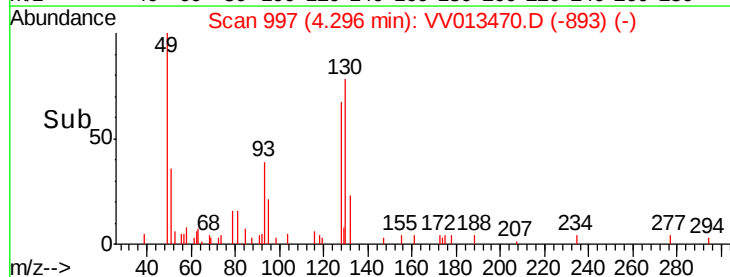
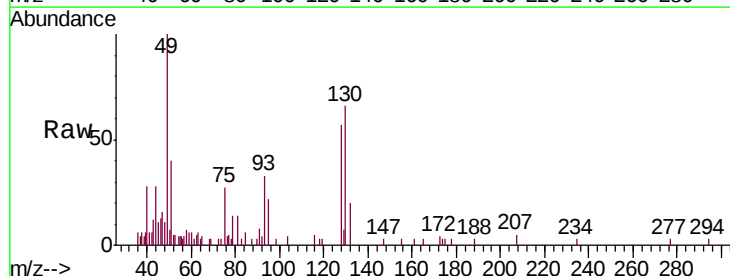
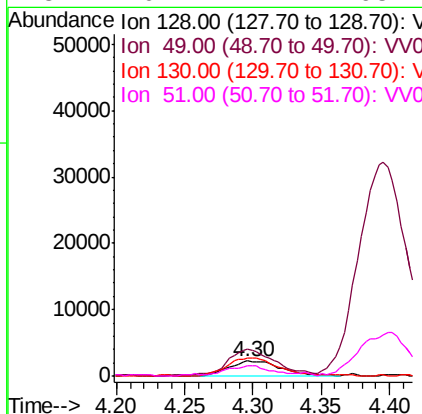
MMDadoda
11/4/2019 12:38:40 PM

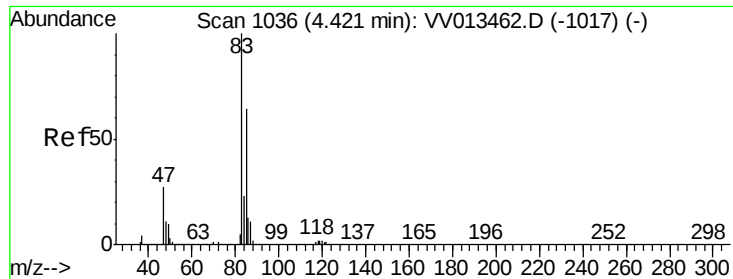


#23

Bromochloromethane
Concen: 1.053 ug/L m
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
128	100		
49	176.9	118.2	219.4
130	116.6	89.0	165.4
51	70.2	42.2	63.4





#25

Chloroform

Concen: 1.631 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013470.D

Acq: 01 Nov 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tgt Ion: 83 Resp: 34406

Ion Ratio Lower Upper

83 100

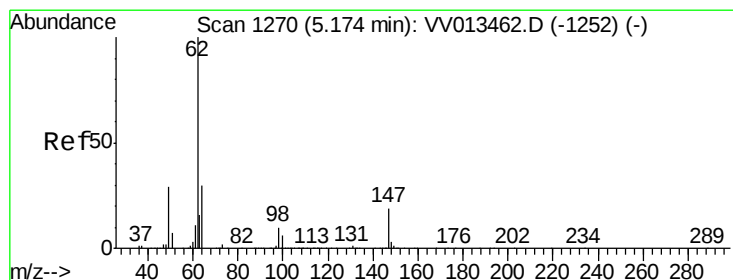
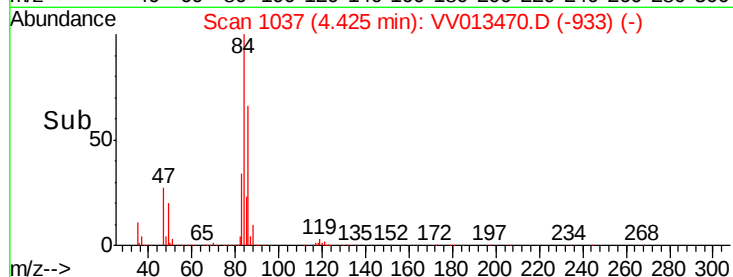
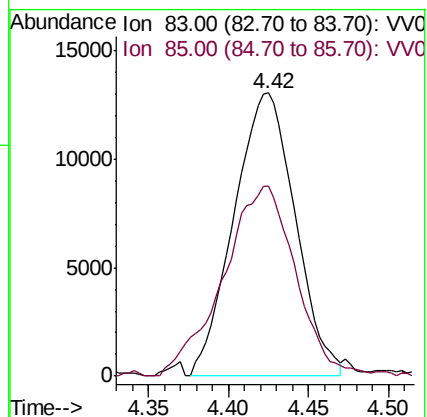
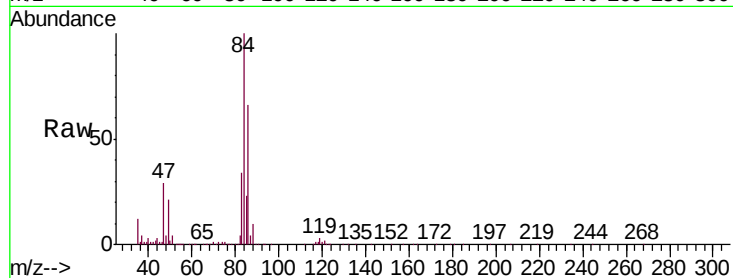
85 79.1 45.8 85.0

Manual Integrations

APPROVED

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#27

1,2-Dichloroethane

Concen: 1.063 ug/L m

RT: 5.18 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VV013470.D

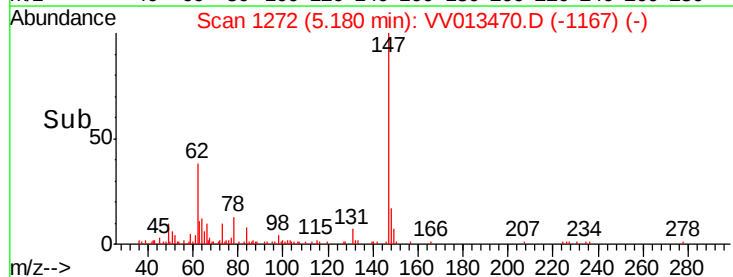
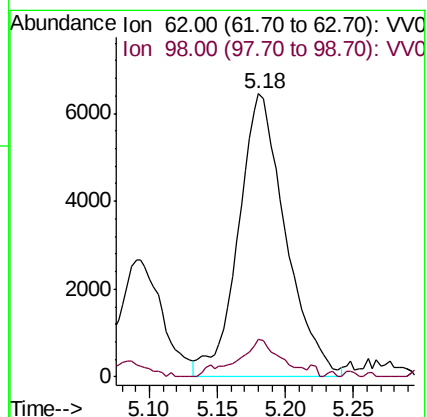
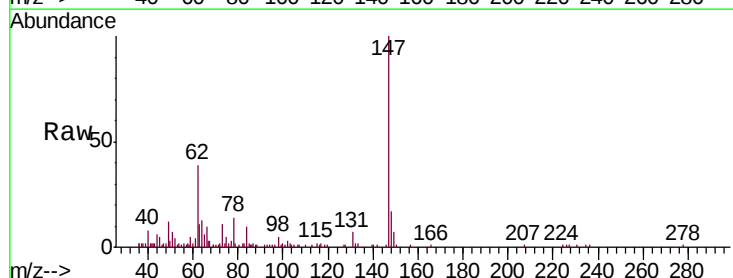
Acq: 01 Nov 2019 15:51

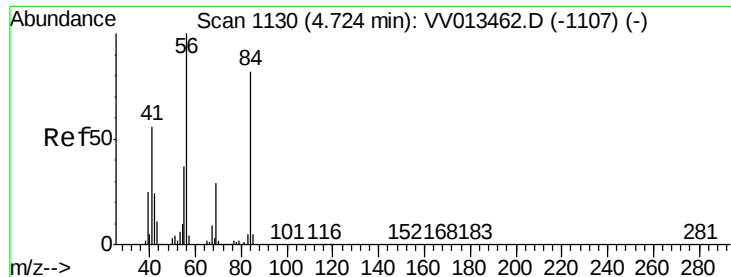
Tgt Ion: 62 Resp: 15569

Ion Ratio Lower Upper

62 100

98 13.3 7.8 11.6#





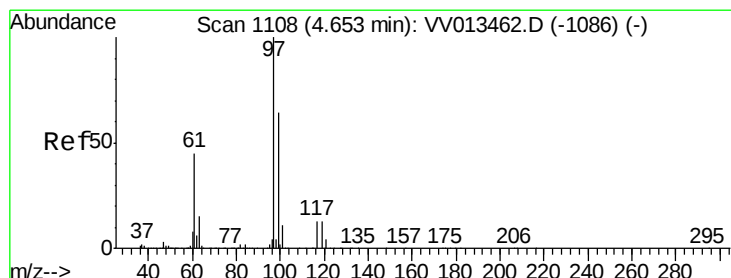
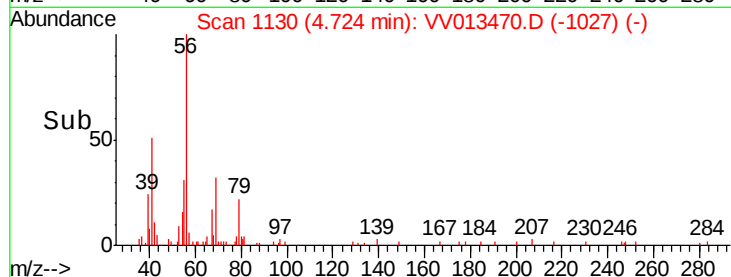
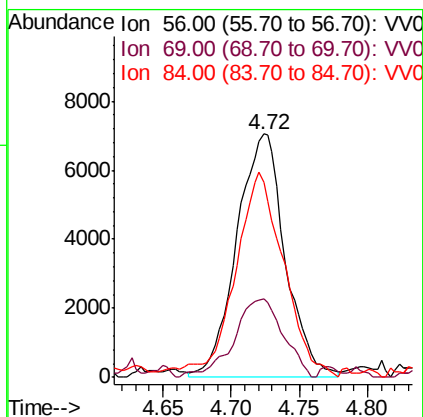
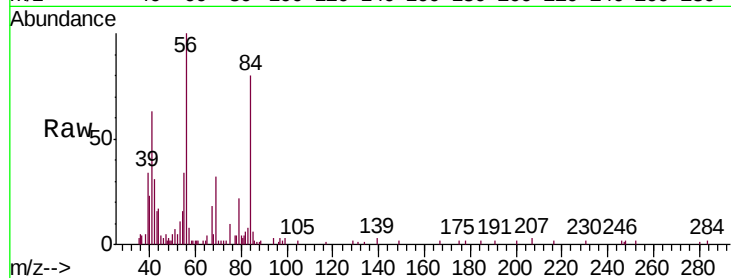
#30
Cyclohexane
Concen: 0.940 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.1	23.0	34.6
84	82.1	66.2	99.4

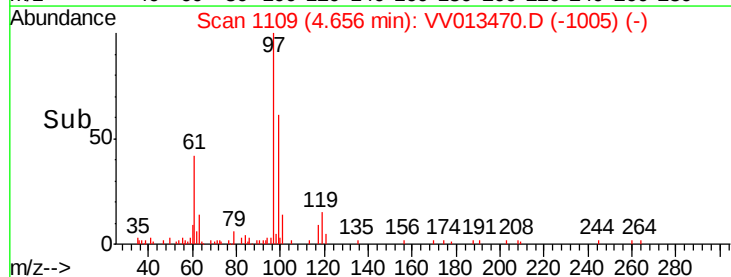
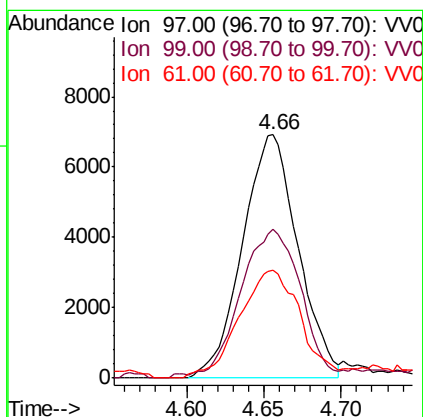
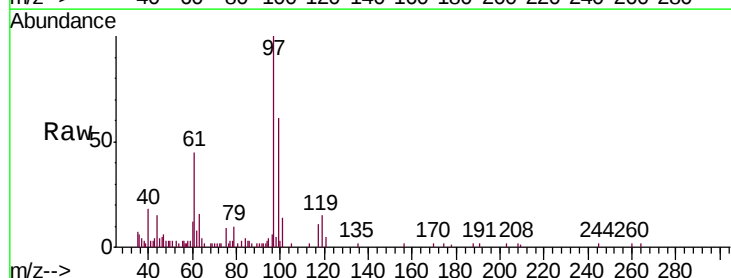
Manual Integrations
APPROVED

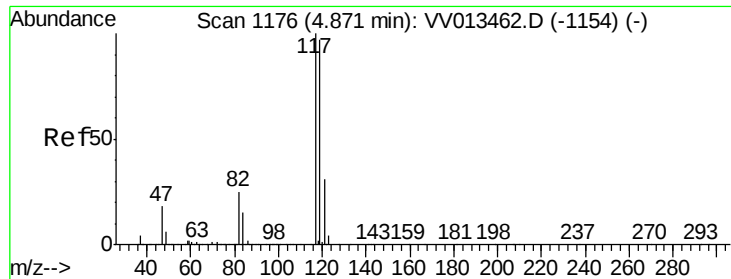
MMDadoda
11/4/2019 12:38:40 PM



#31
1,1,1-Trichloroethane
Concen: 0.992 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.1	76.7
61	48.5	36.3	54.5





#32

Carbon tetrachloride

Concen: 0.946 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013470.D

Acq: 01 Nov 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tgt Ion:117 Resp: 14670

Ion Ratio Lower Upper

117 100

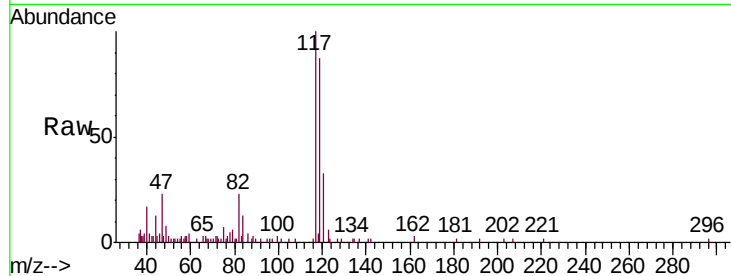
119 99.5 77.4 116.0

Manual Integrations

APPROVED

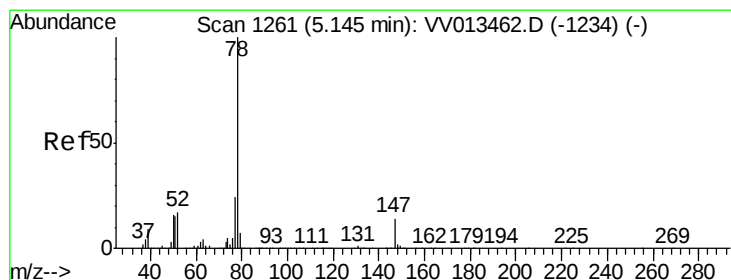
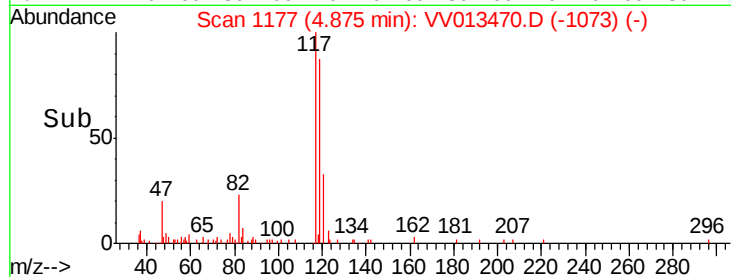
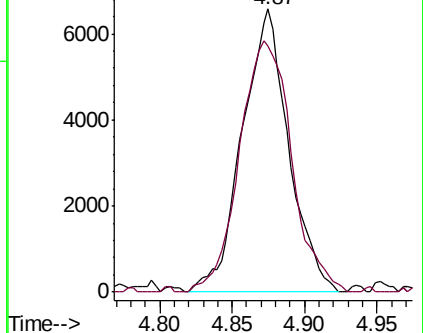
MMDadoda

11/4/2019 12:38:40 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 0.907 ug/L

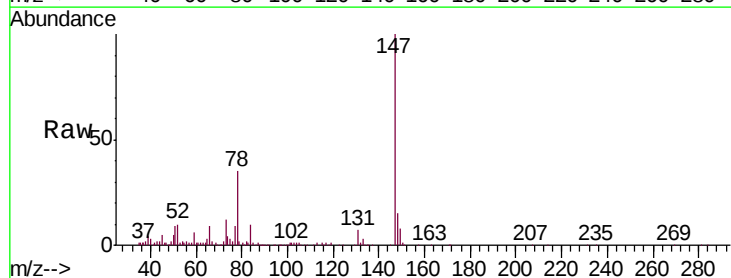
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

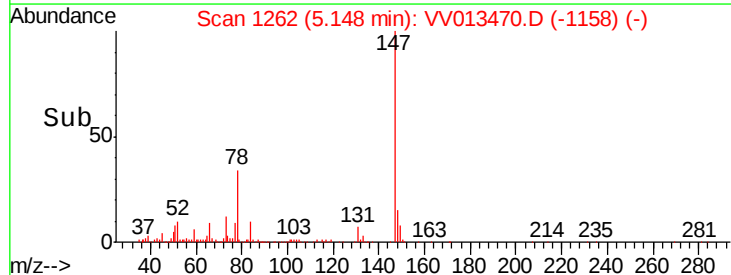
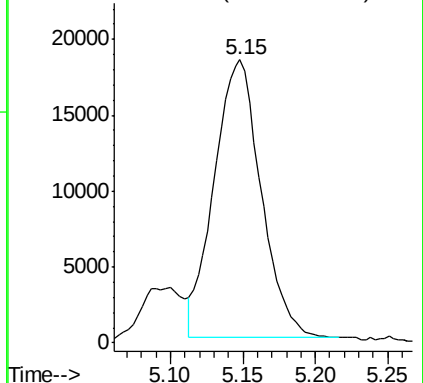
Lab File: VV013470.D

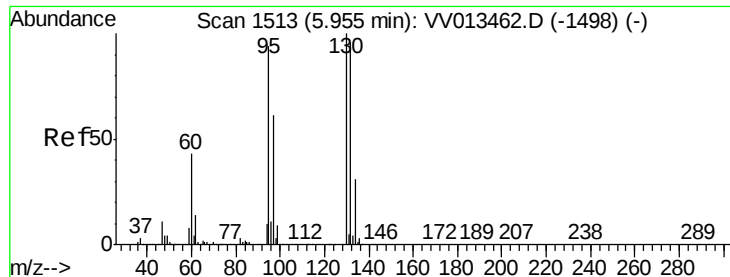
Acq: 01 Nov 2019 15:51

Tgt Ion: 78 Resp: 40806



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 1.138 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013470.D

Acq: 01 Nov 2019 15:51

Instrument :

MSVOA_V

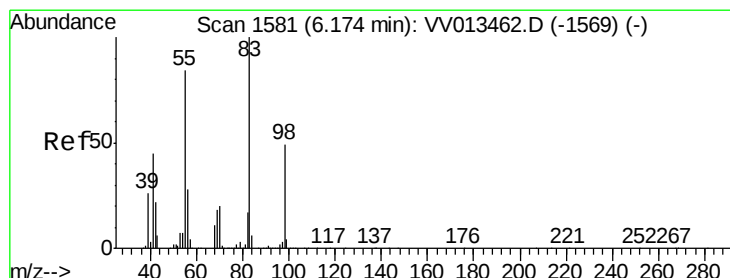
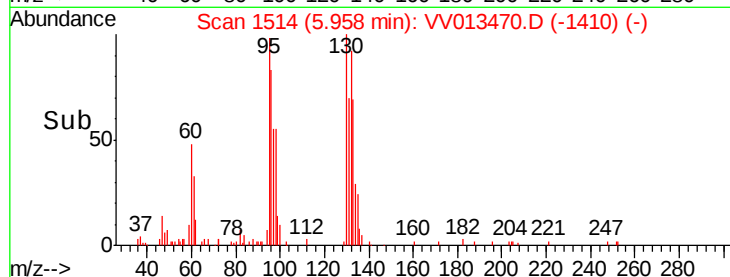
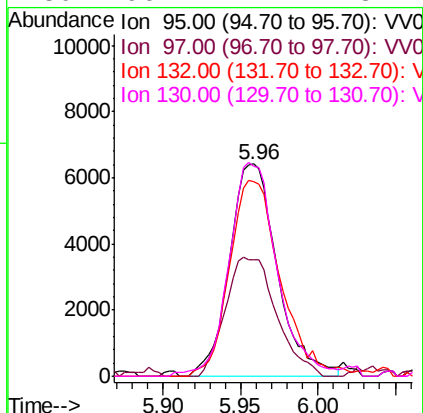
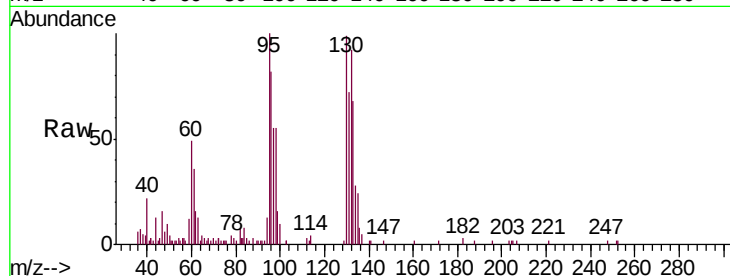
ClientSampleID :

MDL04

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	13828		
97	33.9	44.7	83.1#	
132	94.0	71.0	131.8	
130	96.7	74.1	137.7	

Manual Integrations
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#36

Methylcyclohexane

Concen: 0.891 ug/L

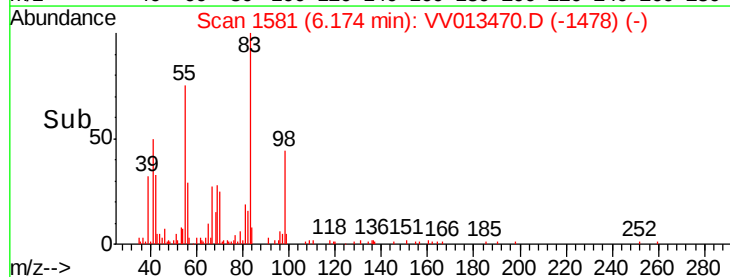
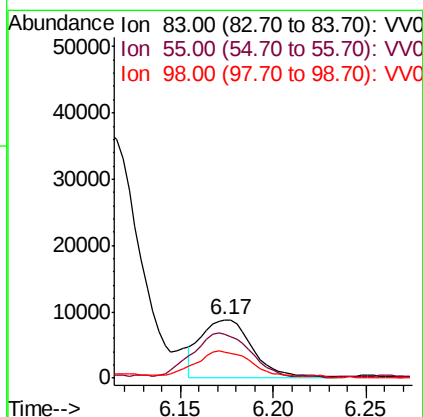
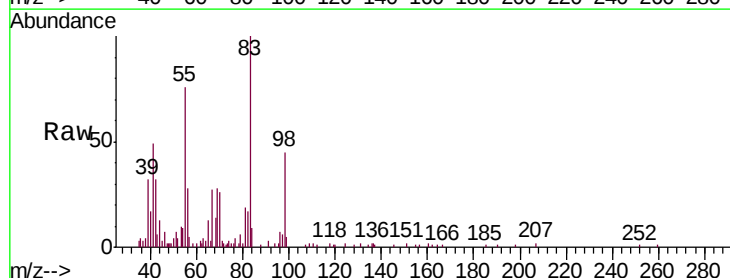
RT: 6.17 min Scan# 1581

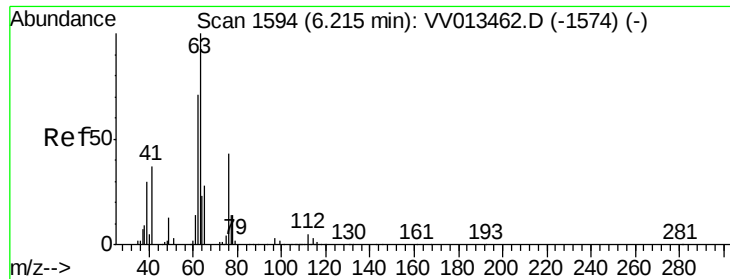
Delta R.T. 0.00 min

Lab File: VV013470.D

Acq: 01 Nov 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	16952		
55	83.8	64.2	96.4	
98	53.6	38.4	57.6	





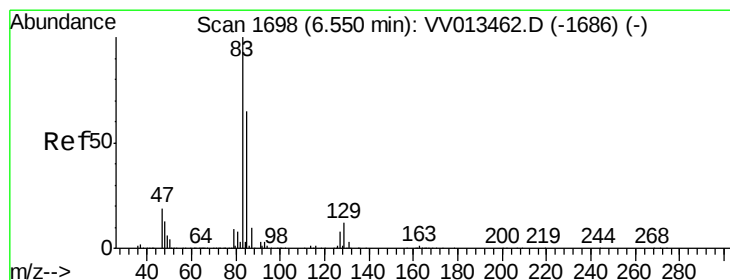
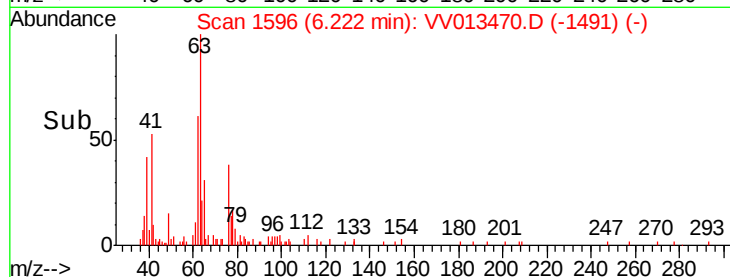
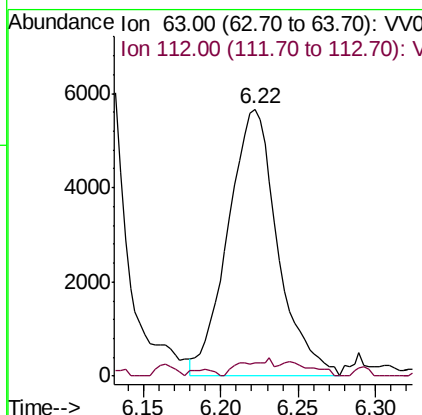
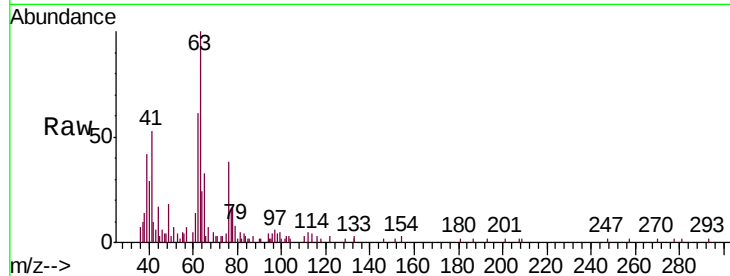
#40
 1,2-Dichloropropane
 Concen: 1.119 ug/L m
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: VV013470.D
 Acq: 01 Nov 2019 15:51

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion: 63 Resp: 12684
 Ion Ratio Lower Upper
 63 100
 112 0.9 3.8 5.6#

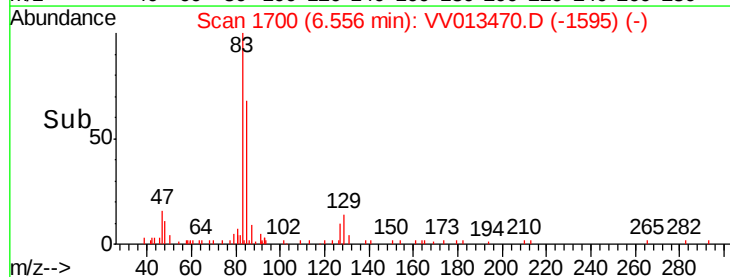
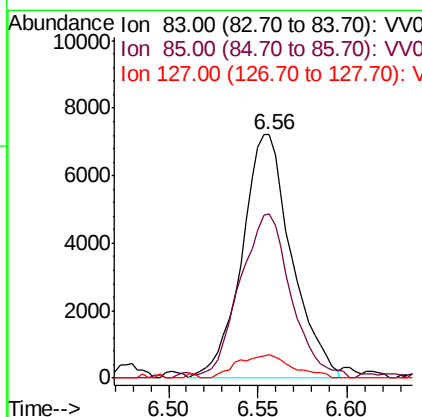
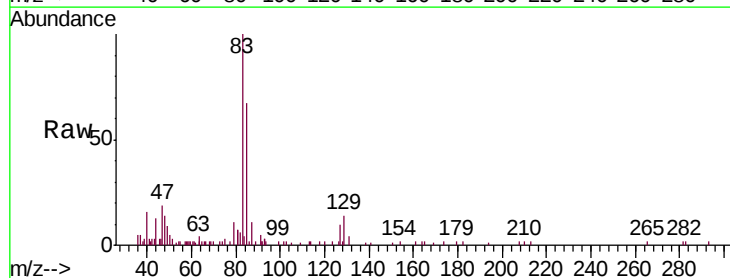
Manual Integrations
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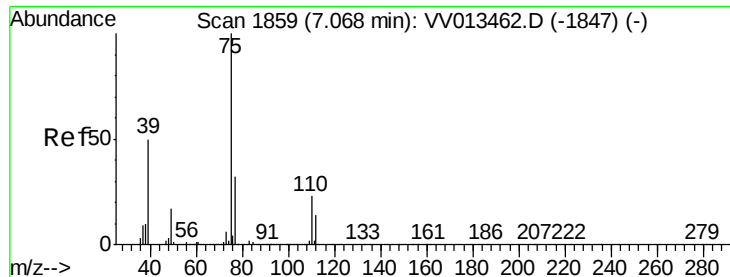
MMDadoda
 11/4/2019 12:38:40 PM



#41
 Bromodichloromethane
 Concen: 0.958 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.01 min
 Lab File: VV013470.D
 Acq: 01 Nov 2019 15:51

Tgt Ion: 83 Resp: 13980
 Ion Ratio Lower Upper
 83 100
 85 67.3 45.4 84.4
 127 9.6 6.7 10.1





#42

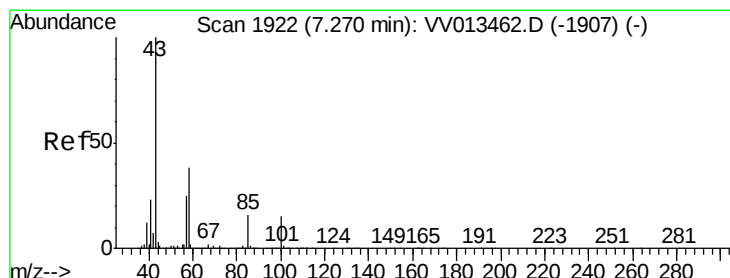
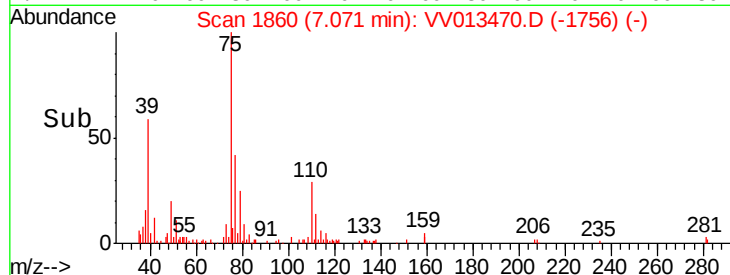
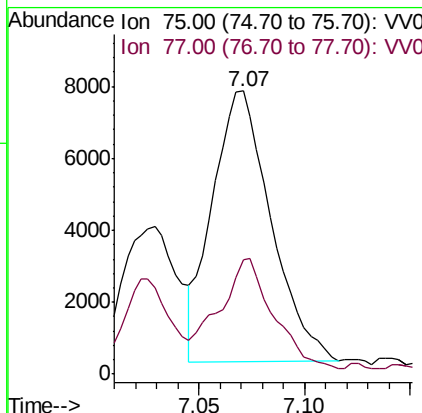
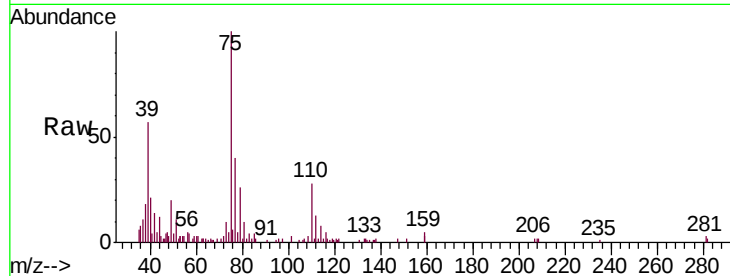
cis-1,3-Dichloropropene
Concen: 0.865 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tgt Ion: 75 Resp: 14533
Ion Ratio Lower Upper
75 100
77 40.5 22.7 42.1

Manual Integrations
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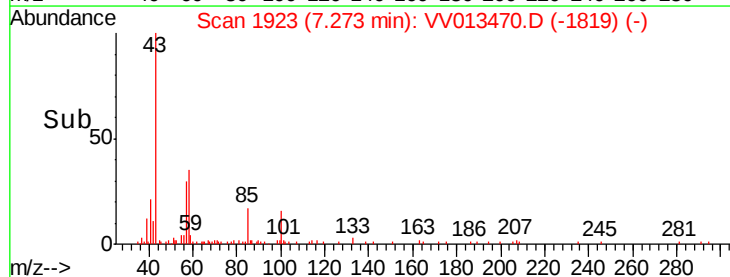
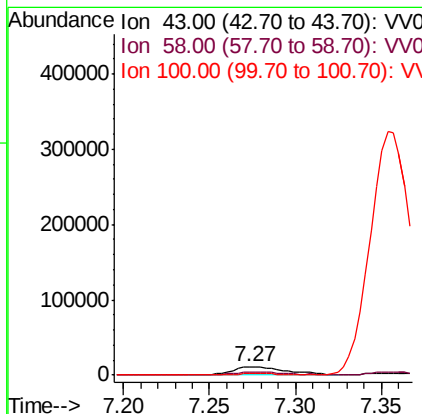
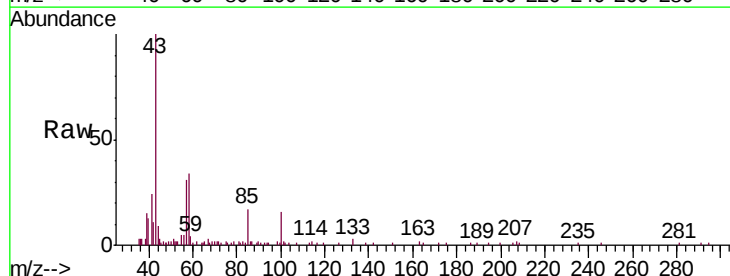
MMDadoda
11/4/2019 12:38:40 PM

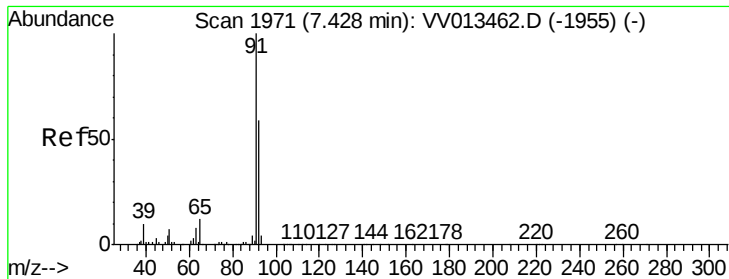


#43

4-Methyl-2-pentanone
Concen: 2.187 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Tgt Ion: 43 Resp: 22881
Ion Ratio Lower Upper
43 100
58 32.1 29.9 44.9
100 16.3 11.5 17.3





#44

Toluene

Concen: 0.974 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013470.D

Acq: 01 Nov 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tgt Ion: 91 Resp: 44766

Ion Ratio Lower Upper

91 100

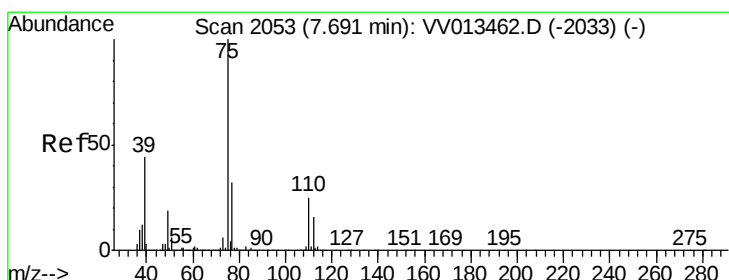
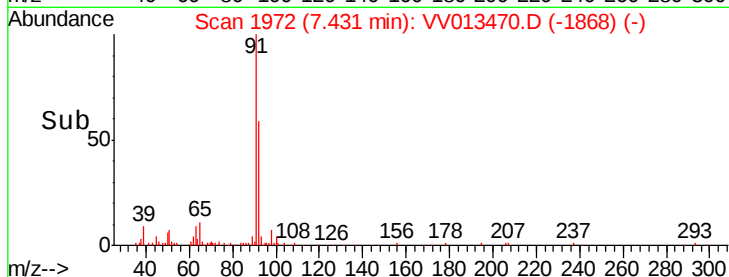
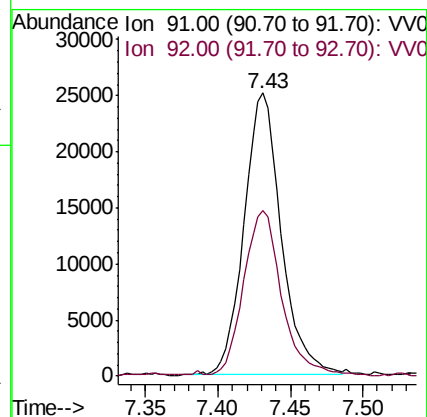
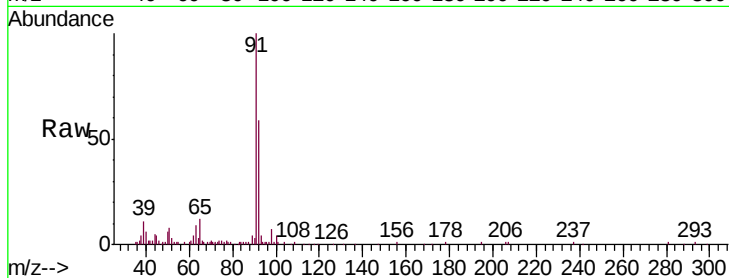
92 58.6 41.4 76.8

Manual Integrations

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#45

trans-1,3-Dichloropropene

Concen: 0.989 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013470.D

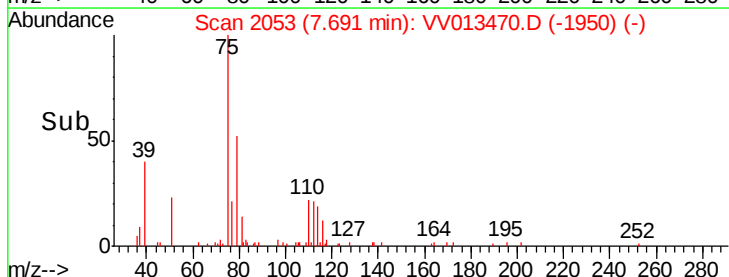
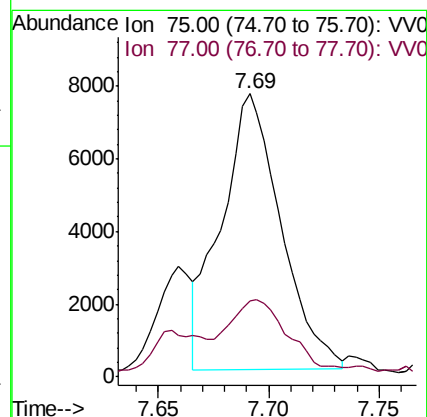
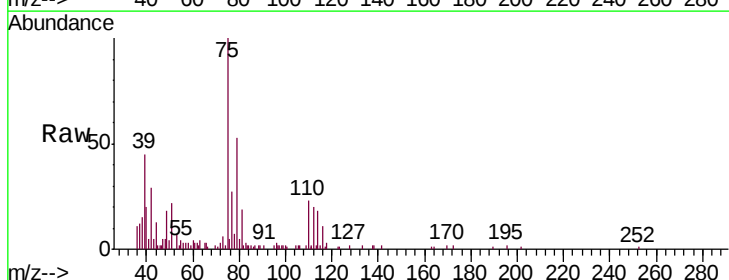
Acq: 01 Nov 2019 15:51

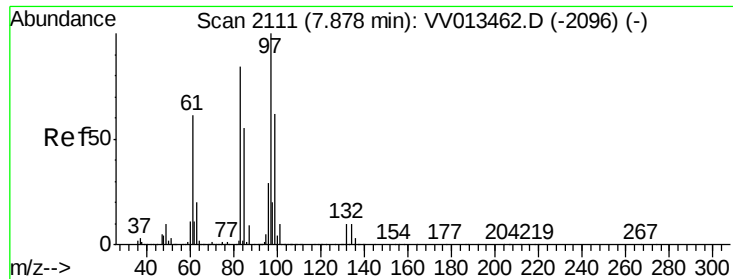
Tgt Ion: 75 Resp: 14249

Ion Ratio Lower Upper

75 100

77 26.7 22.5 41.7





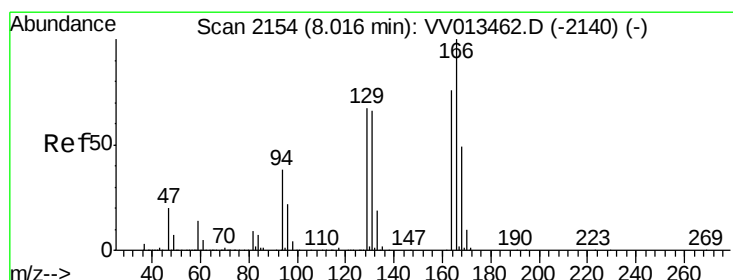
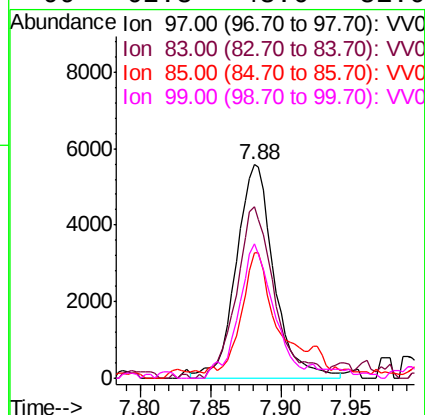
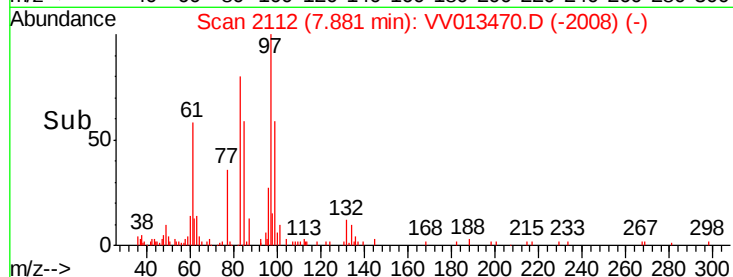
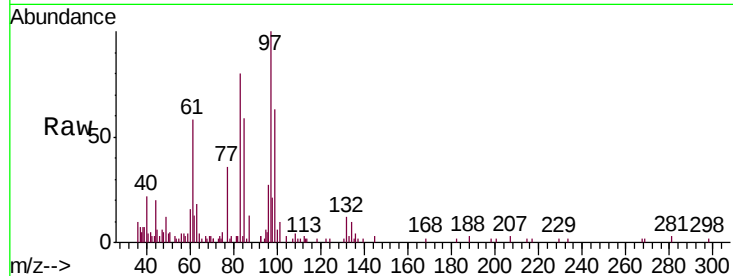
#46
1,1,2-Trichloroethane
Concen: 1.158 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	10519		
83	80.1	58.9	109.3	
85	59.0	38.6	71.6	
99	62.8	43.6	81.0	

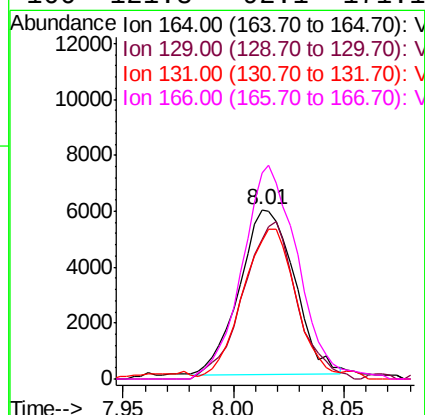
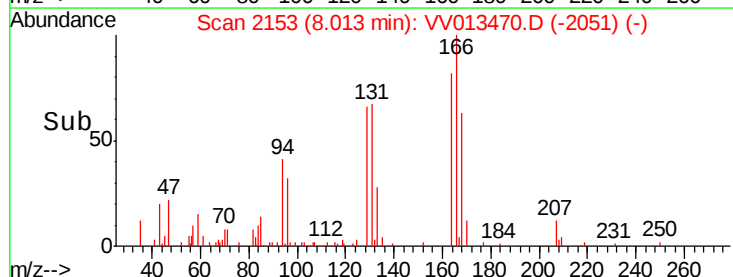
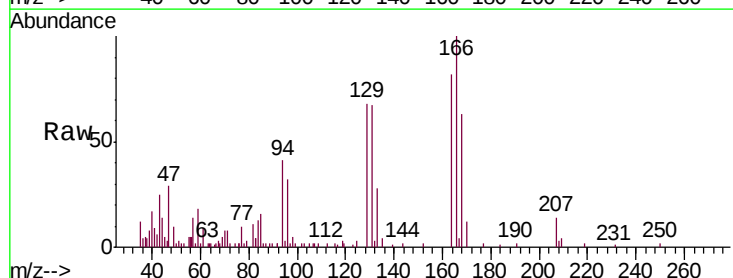
Manual Integrations
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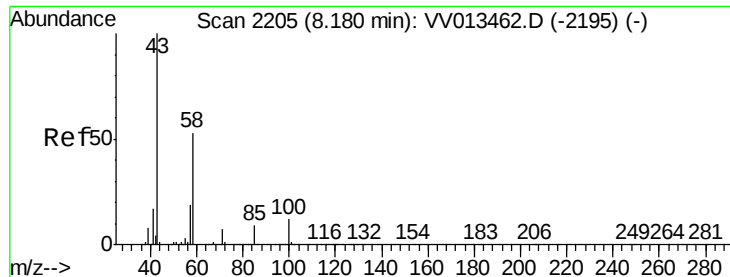
MMDadoda
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#47
Tetrachloroethene
Concen: 0.991 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	10209		
129	82.5	61.8	114.8	
131	81.2	61.0	113.2	
166	121.8	92.1	171.1	





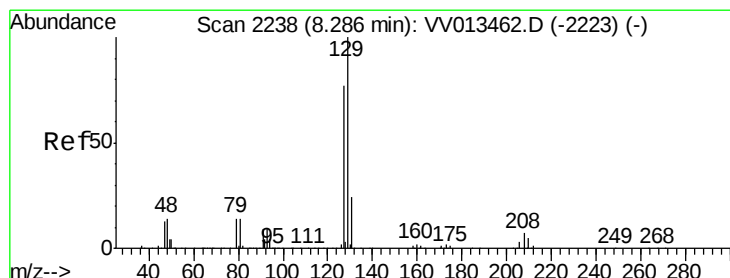
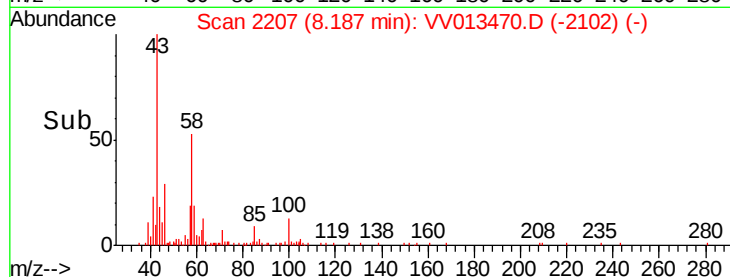
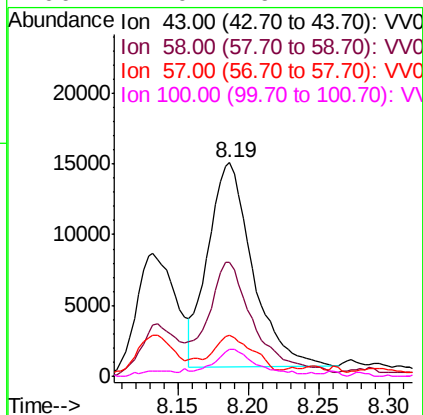
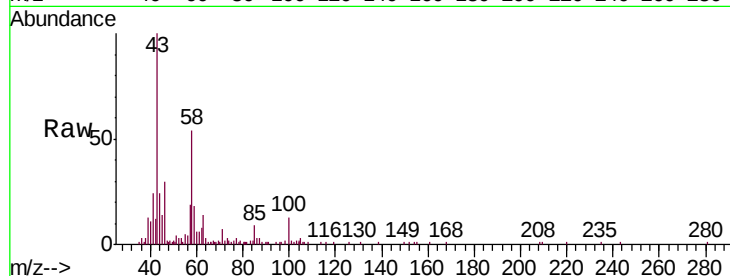
#49
2-Hexanone
Concen: 4.205 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.01 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.2	43.8	65.8
57	16.8	15.0	22.4
100	12.0	9.4	14.2

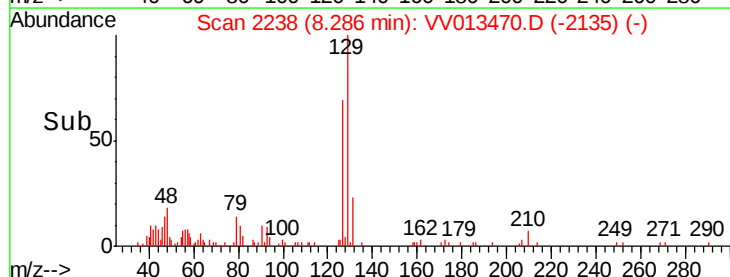
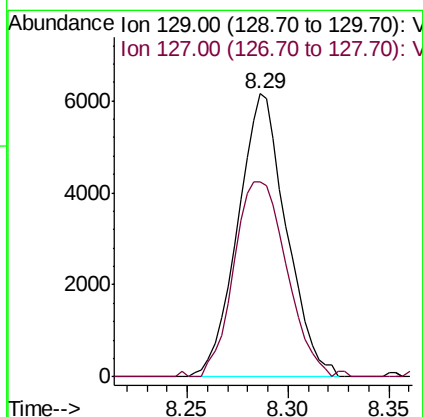
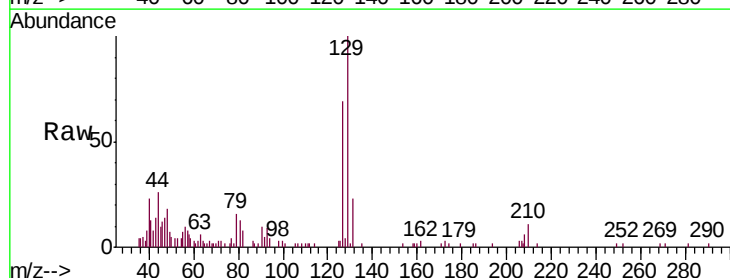
Manual Integrations
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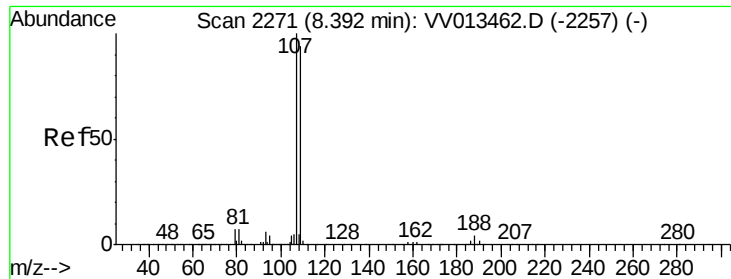
MMDadoda
11/4/2019 12:38:40 PM



#50
Dibromochloromethane
Concen: 0.954 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.2	53.9	100.1





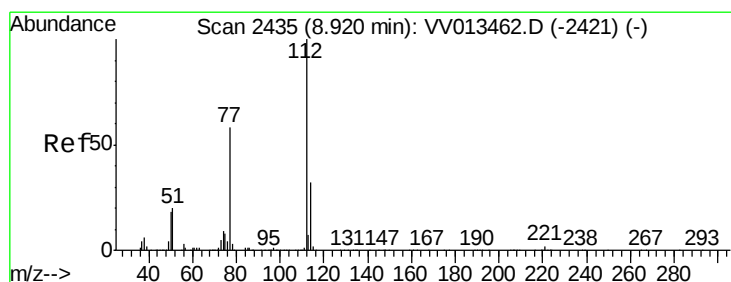
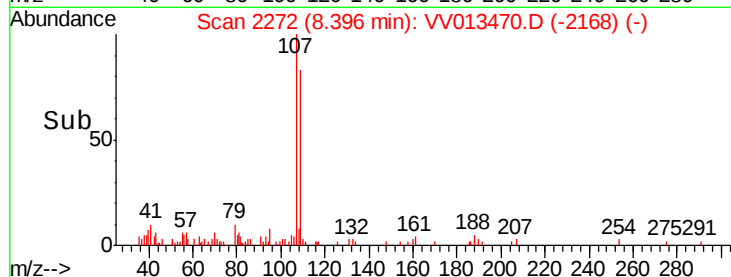
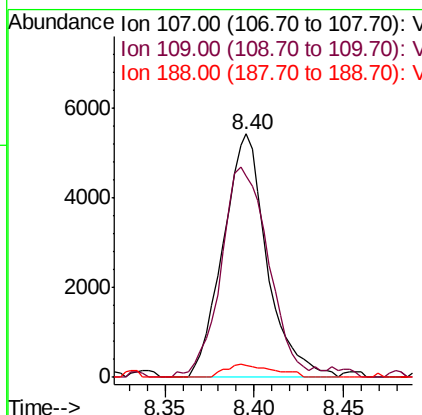
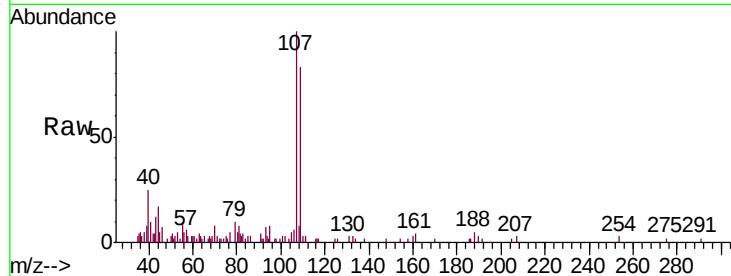
#51
1,2-Dibromoethane
Concen: 0.986 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	9253		
109	82.7	65.6	121.8	
188	5.1	3.5	5.3	

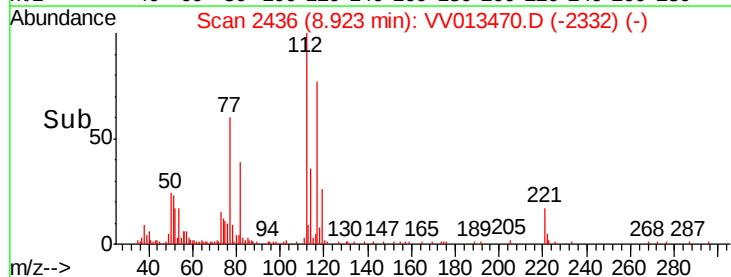
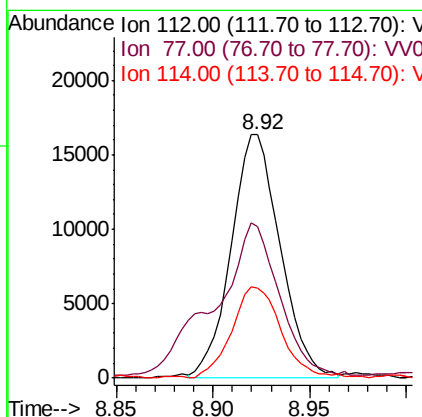
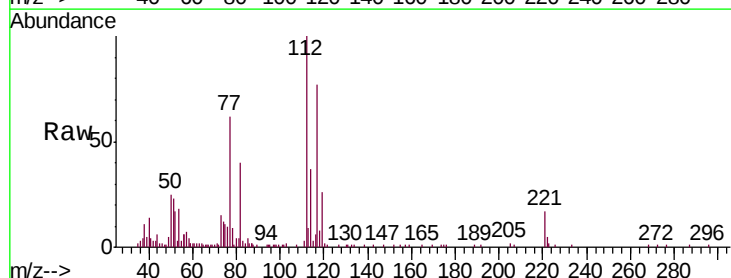
Manual Integrations
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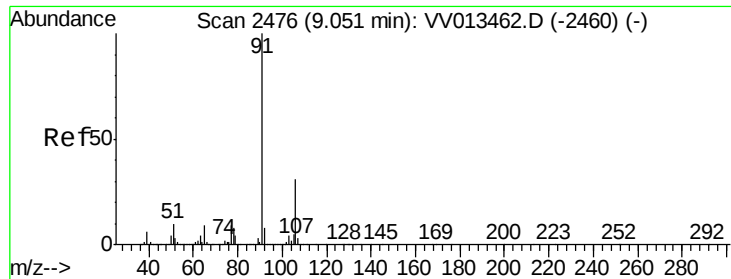
MMDadoda
11/4/2019 12:38:40 PM



#52
Chlorobenzene
Concen: 0.929 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013470.D
Acq: 01 Nov 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	28913		
77	62.0	46.6	70.0	
114	36.9	22.5	41.9	





#53

Ethylbenzene

Concen: 0.889 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013470.D

Acq: 01 Nov 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tgt Ion: 91 Resp: 45054

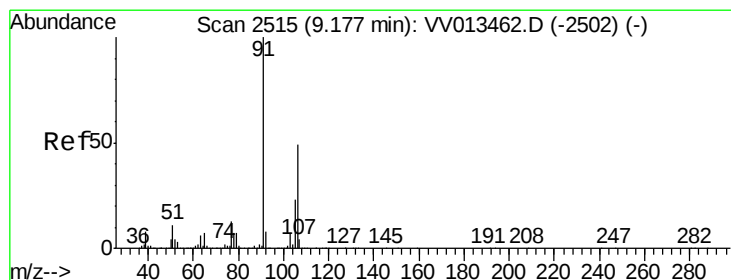
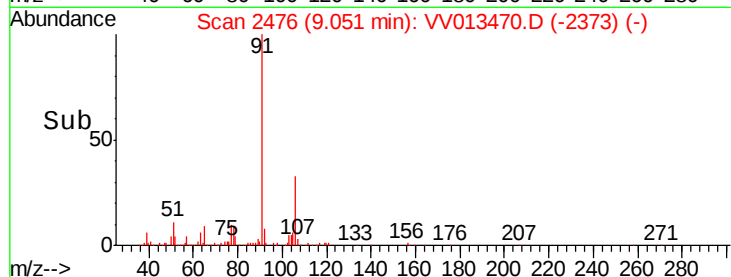
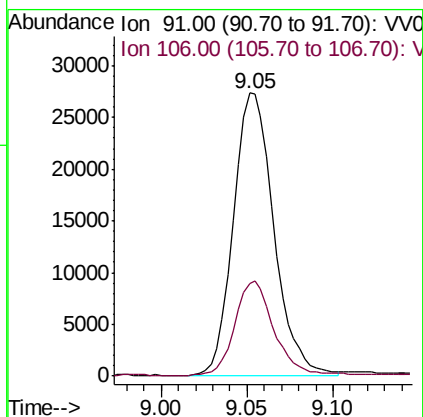
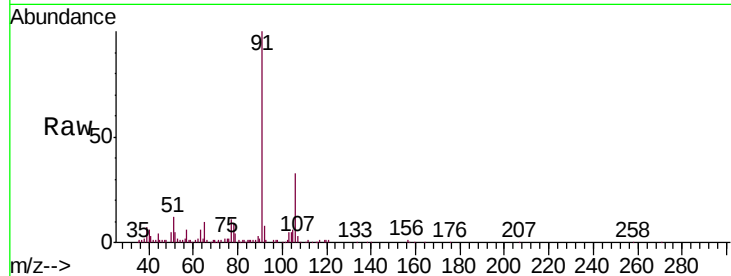
Ion Ratio Lower Upper

91 100

106 32.8 21.5 39.9

Manual Integrations
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#54

m,p-Xylene

Concen: 0.880 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013470.D

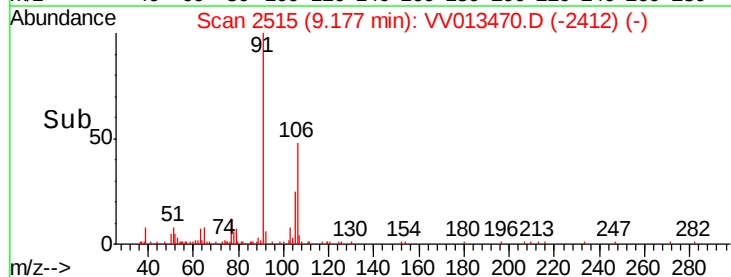
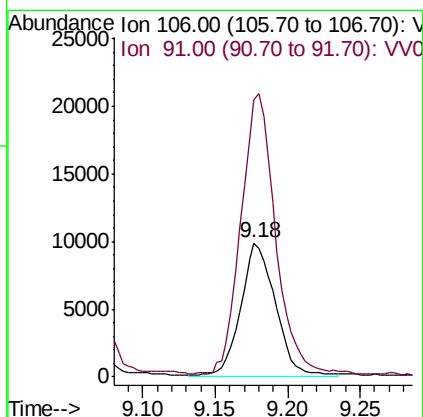
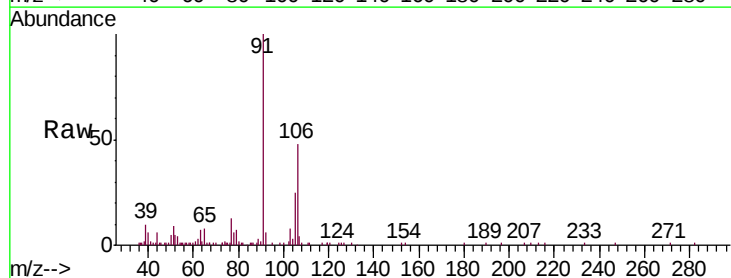
Acq: 01 Nov 2019 15:51

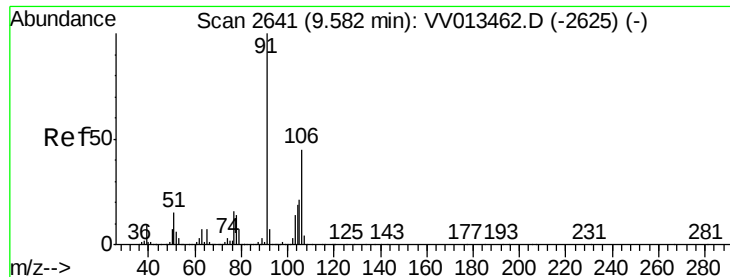
Tgt Ion: 106 Resp: 16767

Ion Ratio Lower Upper

106 100

91 207.0 141.7 263.1





#55

o-xylene

Concen: 0.886 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013470.D

Acq: 01 Nov 2019 15:51

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tgt Ion:106 Resp: 15971

Ion Ratio Lower Upper

106 100

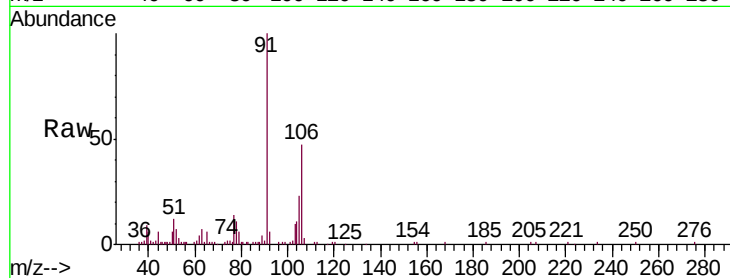
91 211.6 154.2 286.4

Manual Integrations

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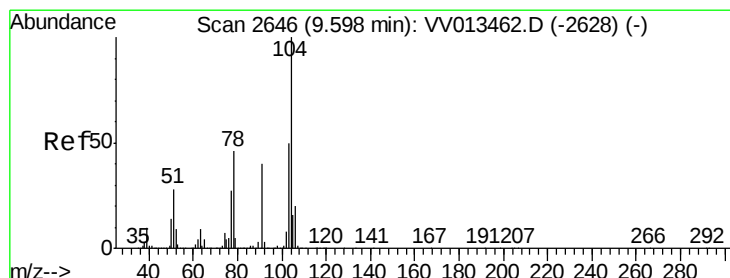
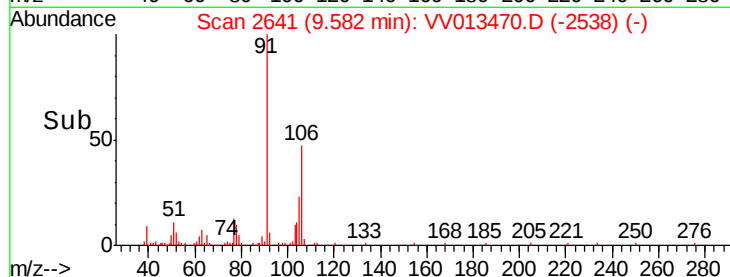
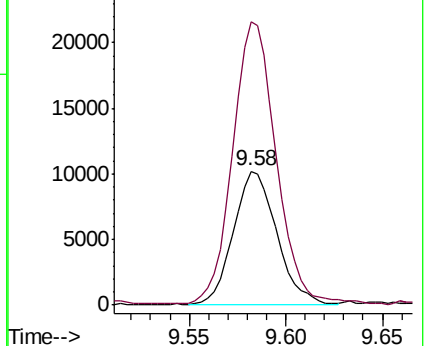
MMDadoda

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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: 0.761 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013470.D

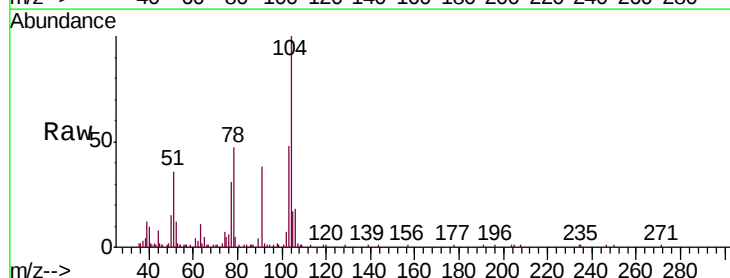
Acq: 01 Nov 2019 15:51

Tgt Ion:104 Resp: 23782

Ion Ratio Lower Upper

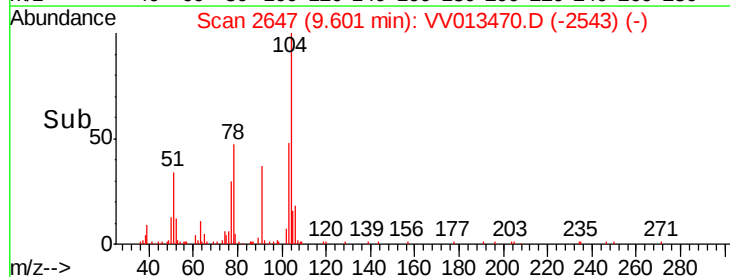
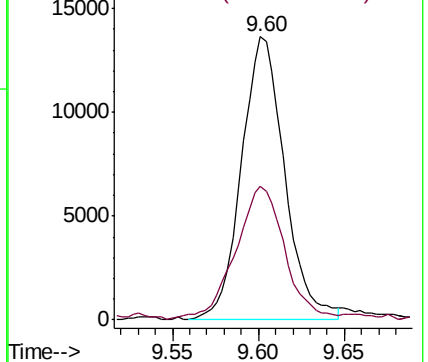
104 100

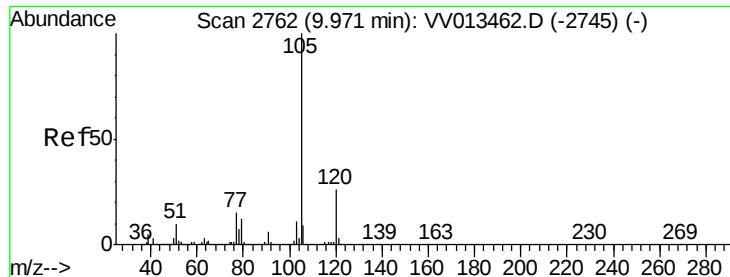
78 47.1 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 0.812 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013470.D

Acq: 01 Nov 2019 15:51

Instrument :

MSVOA_V

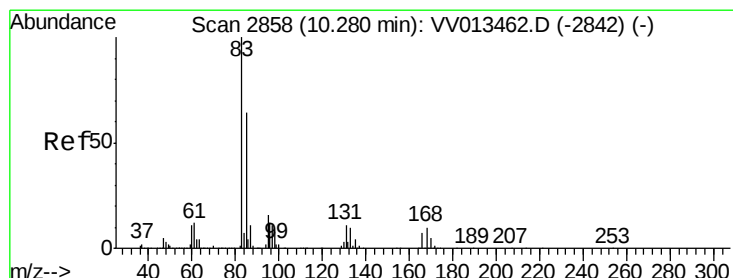
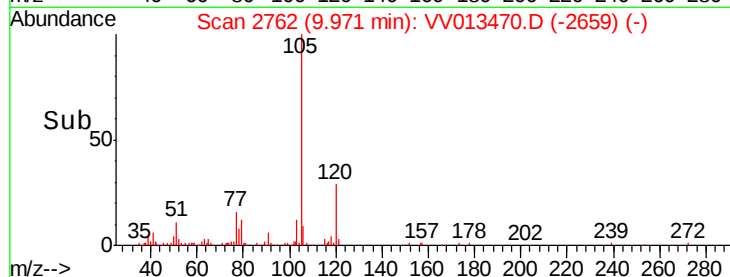
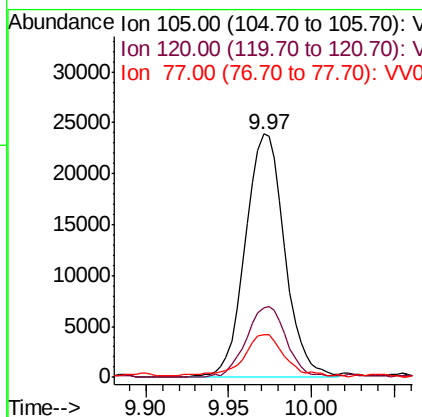
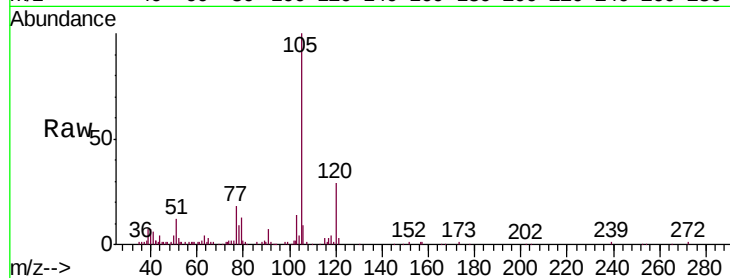
ClientSampleId :

MDL04

Tgt Ion:	105	Resp:	39492
Ion Ratio	Lower	Upper	
105	100		
120	29.7	21.1	31.7
77	17.2	12.3	18.5

Manual Integrations
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#58

1,1,2,2-Tetrachloroethane

Concen: 1.176 ug/L

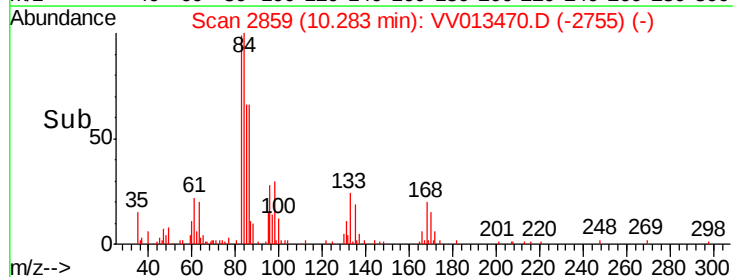
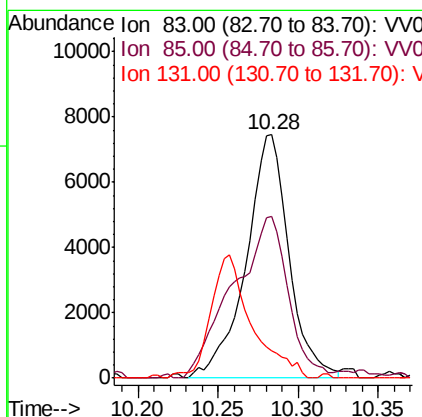
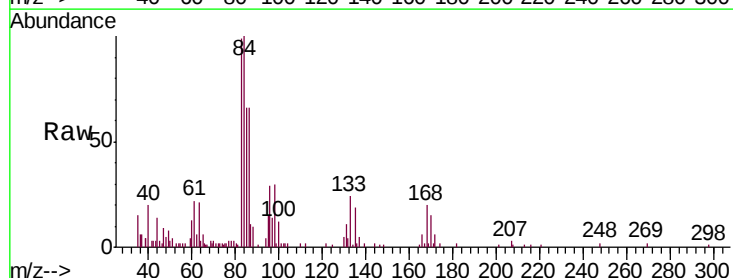
RT: 10.28 min Scan# 2859

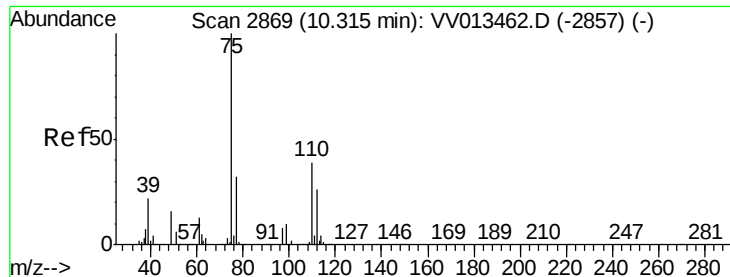
Delta R.T. 0.00 min

Lab File: VV013470.D

Acq: 01 Nov 2019 15:51

Tgt Ion:	83	Resp:	13696
Ion Ratio	Lower	Upper	
83	100		
85	66.4	45.1	83.7
131	11.3	8.5	12.7





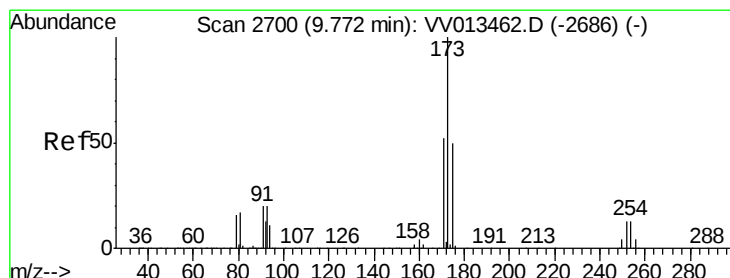
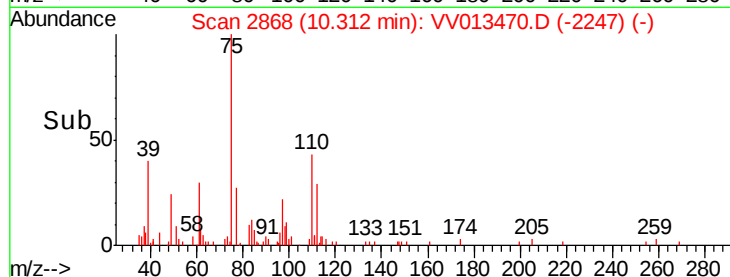
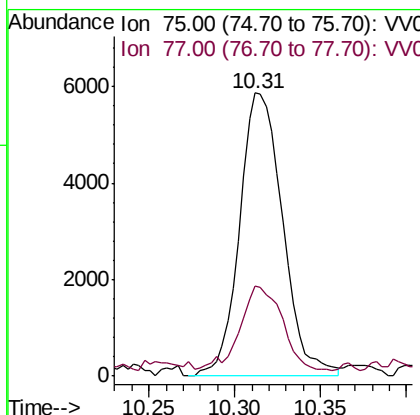
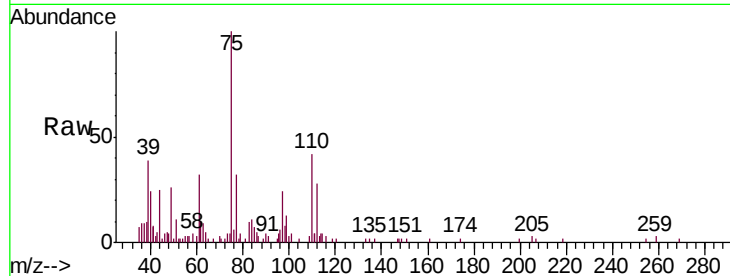
#59
 1,2,3-Trichloropropane
 Concen: 1.049 ug/L
 RT: 10.31 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VV013470.D
 Acq: 01 Nov 2019 15:51

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion: 75 Resp: 10241
 Ion Ratio Lower Upper
 75 100
 77 26.9 25.7 38.5

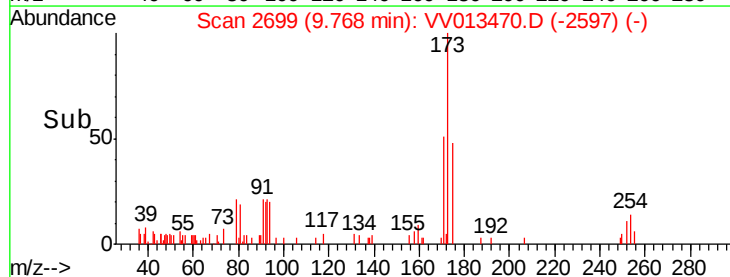
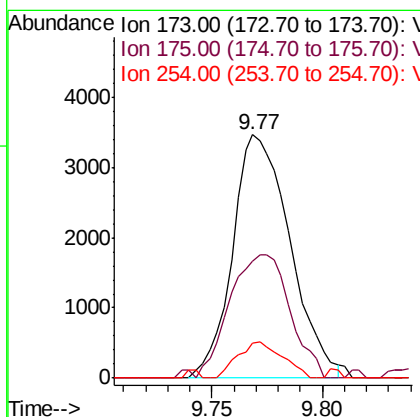
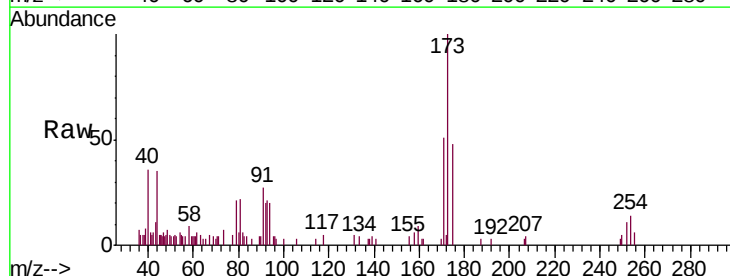
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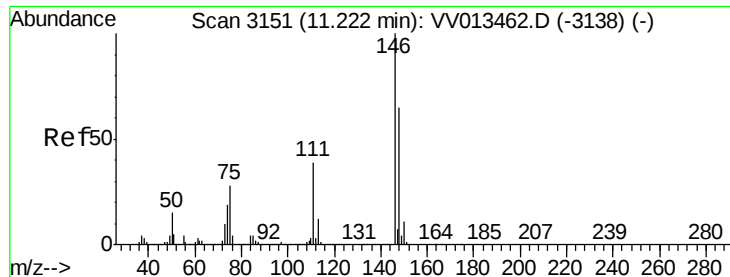
MMDadoda
 11/4/2019 12:38:40 PM



#62
 Bromoform
 Concen: 0.908 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. -0.00 min
 Lab File: VV013470.D
 Acq: 01 Nov 2019 15:51

Tgt Ion: 173 Resp: 6256
 Ion Ratio Lower Upper
 173 100
 175 53.1 39.4 59.0
 254 11.7 10.1 15.1





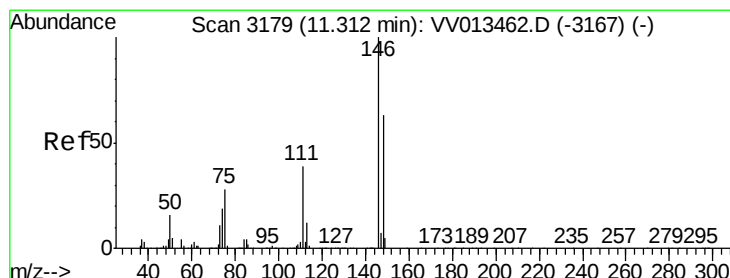
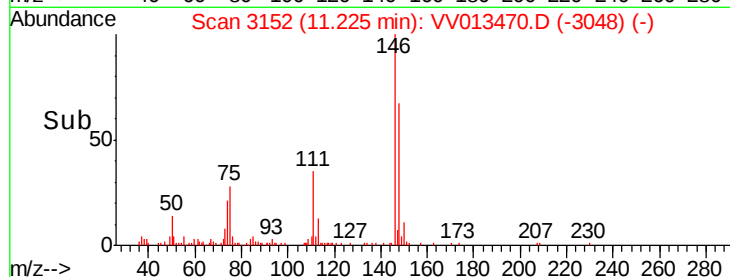
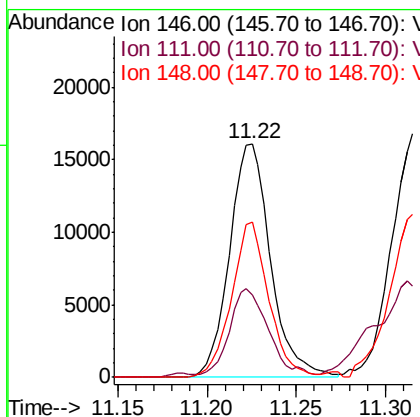
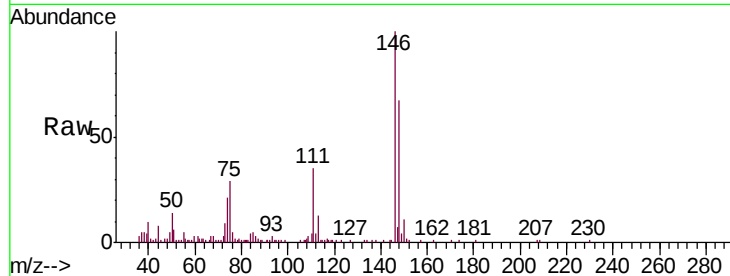
#63
 1,3-Dichlorobenzene
 Concen: 1.071 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV013470.D
 Acq: 01 Nov 2019 15:51

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	27.1	50.3
148	66.6	45.4	84.2

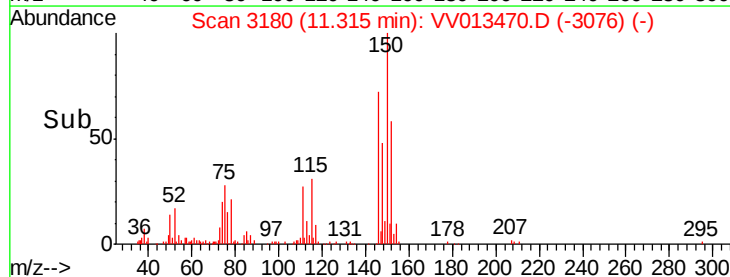
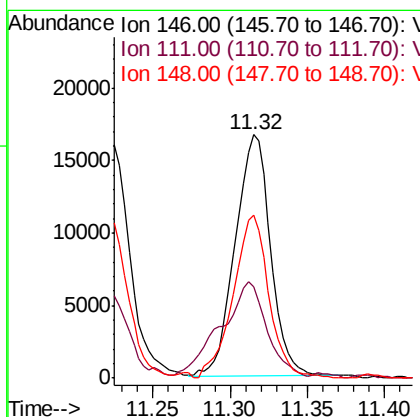
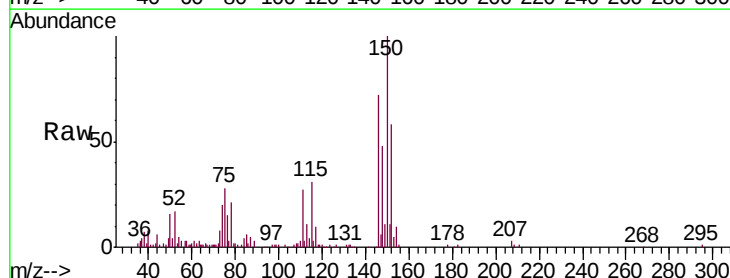
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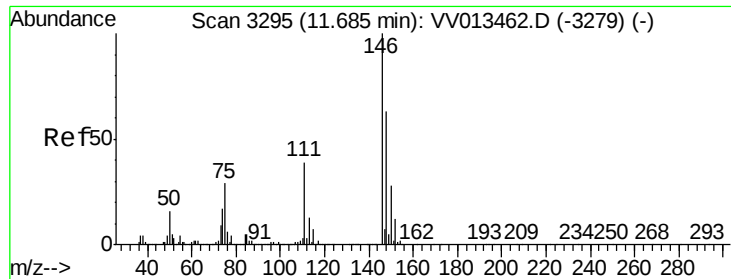
MMDadoda
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#64
 1,4-Dichlorobenzene
 Concen: 1.081 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013470.D
 Acq: 01 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	27.2	50.6
148	66.8	44.4	82.5





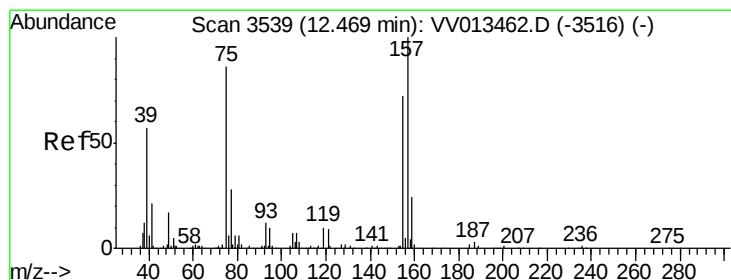
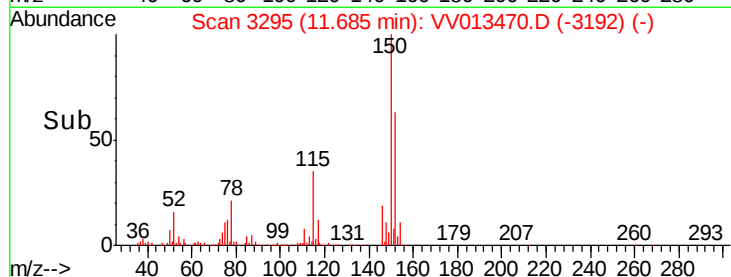
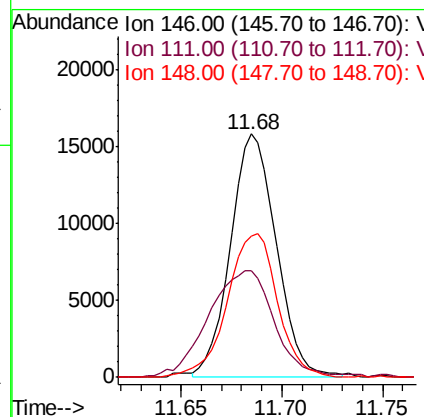
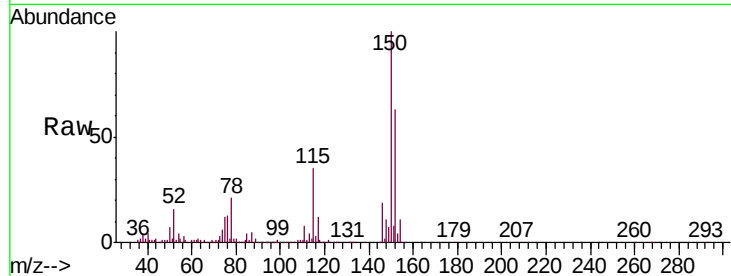
#65
 1,2-Dichlorobenzene
 Concen: 1.130 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013470.D
 Acq: 01 Nov 2019 15:51

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	31.4	47.2
148	58.0	50.5	75.7

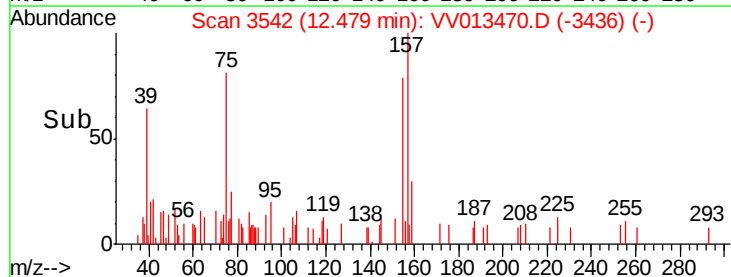
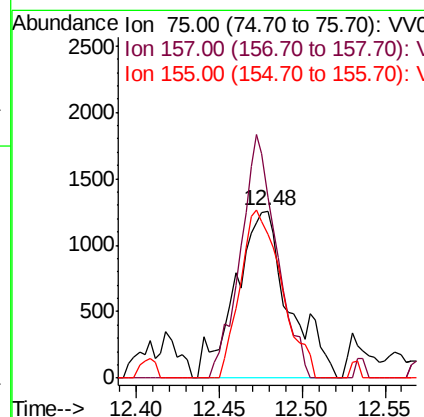
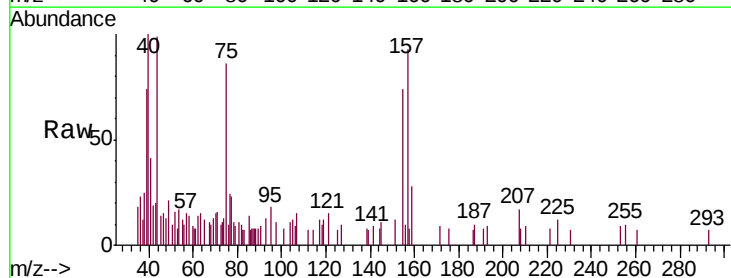
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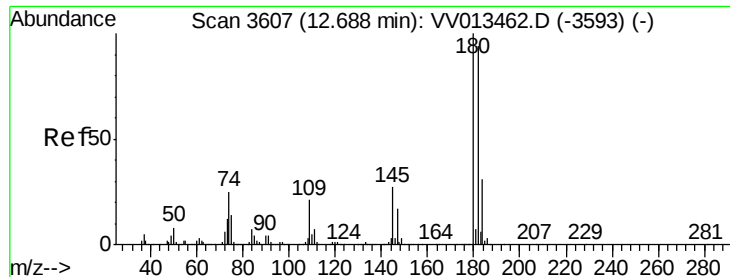
MMDadoda
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.370 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.01 min
 Lab File: VV013470.D
 Acq: 01 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
157	108.4	93.2	139.8
155	86.1	66.9	100.3





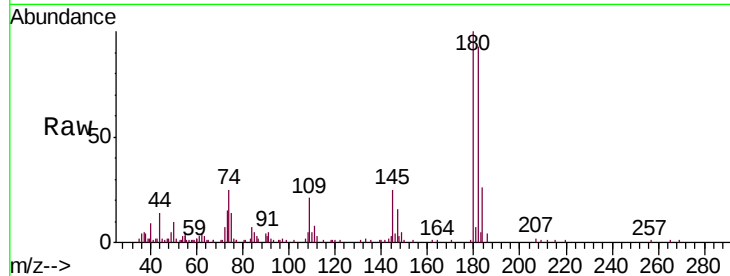
#67
 1,3,5-Trichlorobenzene
 Concen: 1.093 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013470.D
 Acq: 01 Nov 2019 15:51

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	74.8	112.2
184	28.5	24.3	36.5
145	27.2	21.1	31.7

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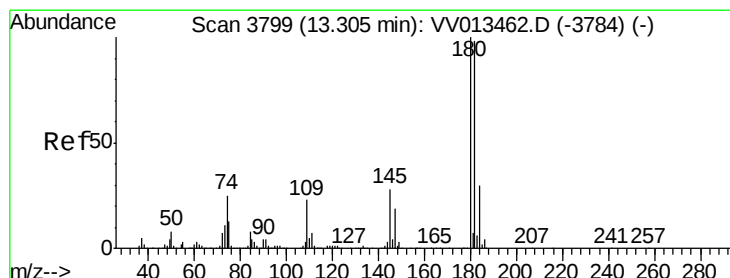
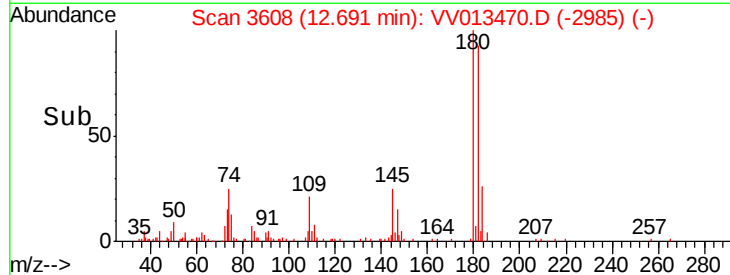
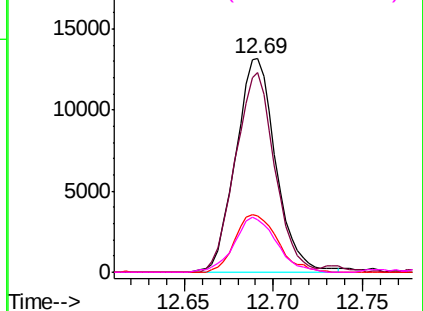
Abundance

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: 1.063 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013470.D
 Acq: 01 Nov 2019 15:51

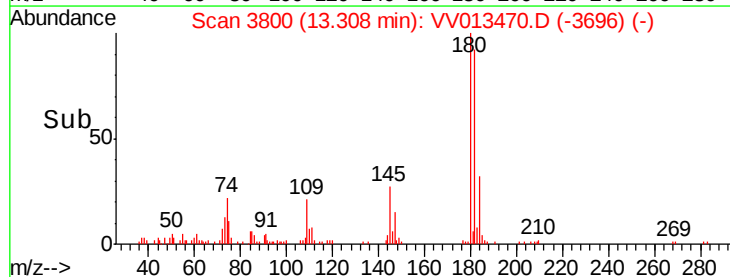
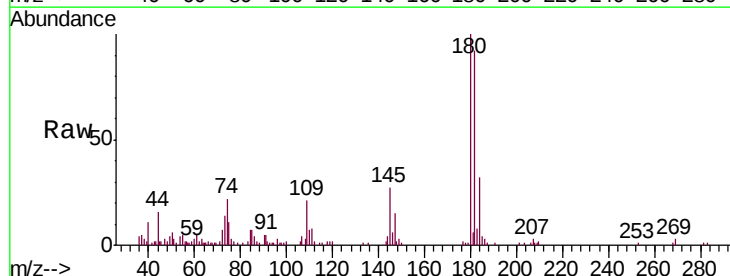
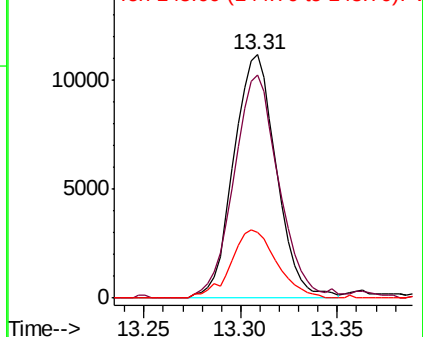
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.4	116.0
145	30.1	22.3	33.5

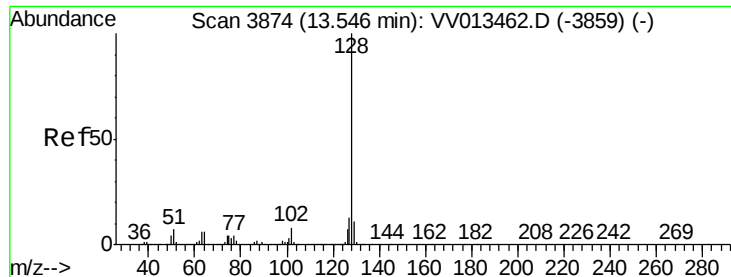
Abundance

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: 0.882 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013470.D

Acq: 01 Nov 2019 15:51

Instrument :

MSVOA_V

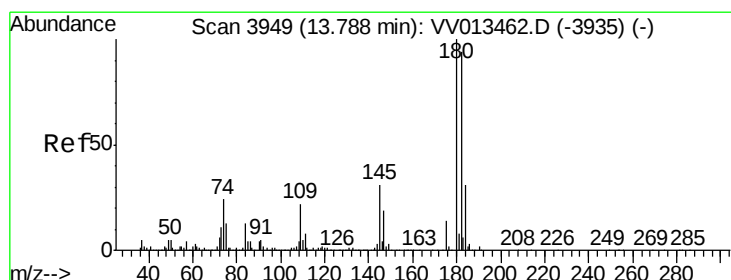
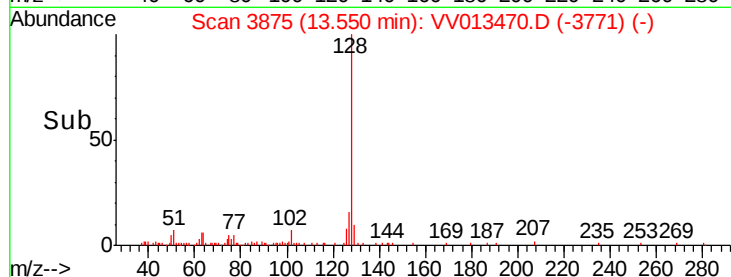
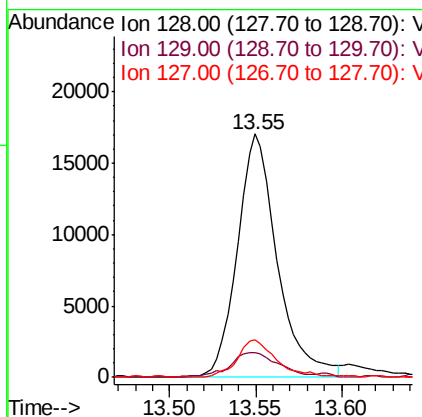
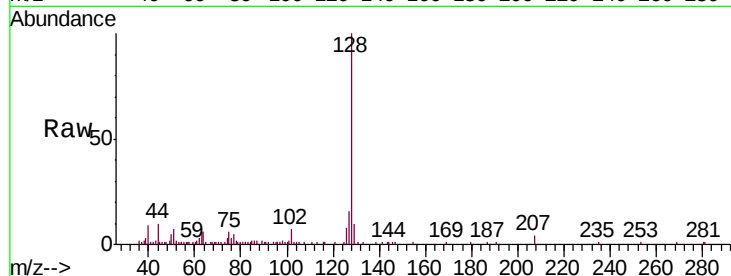
ClientSampleId :

MDL04

Tgt Ion:	128	Resp:	27597
Ion Ratio	Lower	Upper	
128	100		
129	10.0	8.6	13.0
127	14.5	10.5	15.7

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#70

1,2,3-Trichlorobenzene

Concen: 1.033 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013470.D

Acq: 01 Nov 2019 15:51

Tgt Ion:	180	Resp:	15630
Ion Ratio	Lower	Upper	
180	100		
182	95.2	75.2	112.8
145	32.7	23.8	35.6

