

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110619\
 Data File : VV013504.D
 Acq On : 06 Nov 2019 17:57
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0G/5mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 10:50:02 AM

Quant Time: Nov 07 03:19:29 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Nov 07 01:53:11 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	885663	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	850809	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	398264	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	240158	46.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.62%
7) Chloroethane-d5	1.58	69	202701	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.02%
11) 1,1-Dichloroethene-d2	2.13	63	333562	36.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.56%
21) 2-Butanone-d5	3.92	46	387425	101.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.03%
24) Chloroform-d	4.40	84	533621	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.08	65	361456	49.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.40%
32) Benzene-d6	5.10	84	1107572	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
36) 1,2-Dichloropropane-d6	6.11	67	361692	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.28%
41) Toluene-d8	7.36	98	1007147	48.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.48%
43) trans-1,3-Dichloropropene-	7.66	79	160399	47.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.84%
47) 2-Hexanone-d5	8.13	63	251824	94.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	426781	46.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.30%
64) 1,2-Dichlorobenzene-d4	11.67	152	404175	50.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.82%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	21281	2.887 ug/L	98
3) Chloromethane	1.25	50	20584	2.940 ug/L	95
5) Vinyl chloride	1.32	62	20019	3.060 ug/L #	60
6) Bromomethane	1.53	94	9490	3.023 ug/L	98
8) Chloroethane	1.60	64	10419	2.842 ug/L	98
9) Trichlorofluoromethane	1.77	101	25935	2.986 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	18398	3.761 ug/L	86
12) 1,1-Dichloroethene	2.14	96	16770m	3.592 ug/L	
13) Acetone	2.18	43	19257	5.381 ug/L	97
14) Carbon disulfide	2.32	76	46436	2.842 ug/L	99
15) Methyl Acetate	2.46	43	17976	2.753 ug/L	94
16) Methylene chloride	2.54	84	20940	3.314 ug/L	91
17) trans-1,2-Dichloroethene	2.79	96	17171	2.954 ug/L	93
18) Methyl tert-butyl Ether	2.80	73	50857	2.869 ug/L	97
19) 1,1-Dichloroethane	3.23	63	32364	2.919 ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	18932m	2.983 ug/L	
22) 2-Butanone	4.02	43	20312	4.285 ug/L	95

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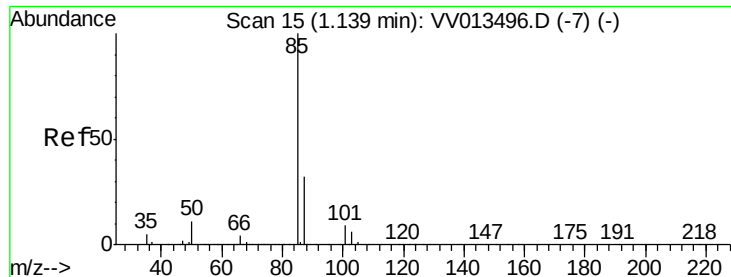
Manual Integrations
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MMDadoda
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Quant Time: Nov 07 03:19:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 07 01:53:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	10047	2.995	ug/L	92
25) Chloroform	4.42	83	61082	5.355	ug/L	92
27) 1,2-Dichloroethane	5.18	62	23304	2.666	ug/L	96
29) Cyclohexane	4.73	56	26651	2.727	ug/L	96
30) 1,1,1-Trichloroethane	4.66	97	27520	2.906	ug/L	98
31) Carbon tetrachloride	4.87	117	22919	2.714	ug/L	95
33) Benzene	5.15	78	75168	3.112	ug/L	100
34) Trichloroethene	5.96	95	20382	3.175	ug/L	95
35) Methylcyclohexane	6.18	83	27444	2.773	ug/L	96
37) 1,2-Dichloropropane	6.22	63	20378m	3.205	ug/L	
38) Bromodichloromethane	6.56	83	23007	2.751	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	24883	2.576	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	43172	5.267	ug/L	97
42) Toluene	7.43	91	75343	2.993	ug/L	93
44) trans-1,3-Dichloropropene	7.69	75	22577m	2.686	ug/L	
45) 1,1,2-Trichloroethane	7.88	97	16940	2.845	ug/L	99
46) Tetrachloroethene	8.02	164	15968	2.914	ug/L	92
48) 2-Hexanone	8.18	43	53808	8.312	ug/L #	91
49) Dibromochloromethane	8.29	129	18095	2.643	ug/L	97
50) 1,2-Dibromoethane	8.40	107	18277	2.925	ug/L #	98
51) Chlorobenzene	8.92	112	49428	2.954	ug/L	99
52) Ethylbenzene	9.05	91	72338	2.648	ug/L	99
53) m,p-Xylene	9.18	106	25699	2.479	ug/L	96
54) o-xylene	9.59	106	25811	2.596	ug/L	98
55) Styrene	9.60	104	41427	2.410	ug/L	98
56) Isopropylbenzene	9.97	105	64025	2.452	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.28	83	27597	3.070	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	22392	2.991	ug/L	97
61) Bromoform	9.77	173	13476	2.886	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	36828	3.051	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	38424	3.073	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	39038	3.230	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	5518	3.309	ug/L #	91
67) 1,3,5-Trichlorobenzene	12.69	180	27583	2.925	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	22833m	2.764	ug/L	
69) Naphthalene	13.55	128	49722m	2.252	ug/L	
70) 1,2,3-Trichlorobenzene	13.79	180	22703	2.588	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 2.887 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013504.D

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Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 85 Resp: 21281

Ion Ratio Lower Upper

85 100

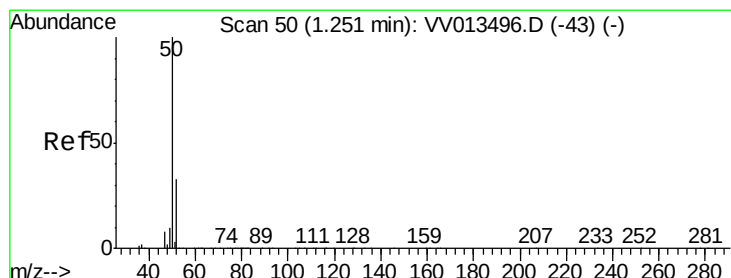
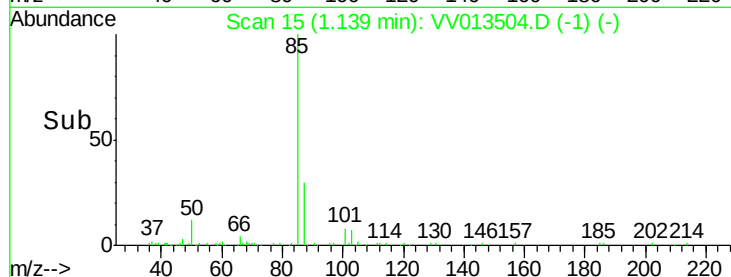
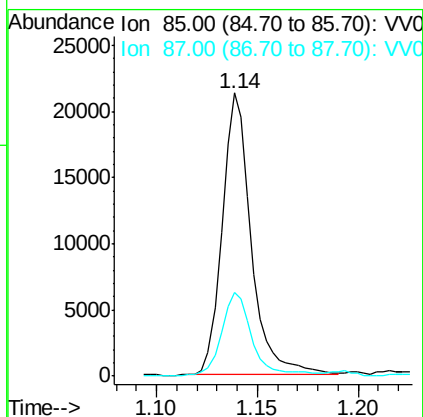
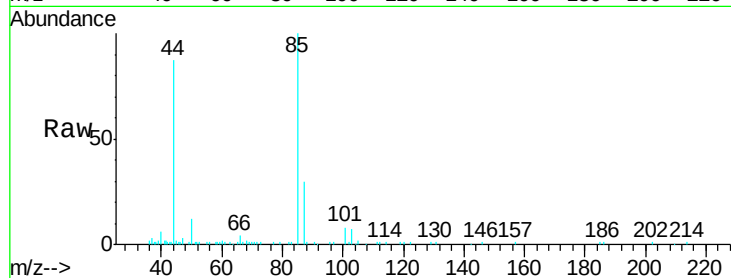
87 30.8 25.4 38.0

Manual Integrations

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#3

Chloromethane

Concen: 2.940 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013504.D

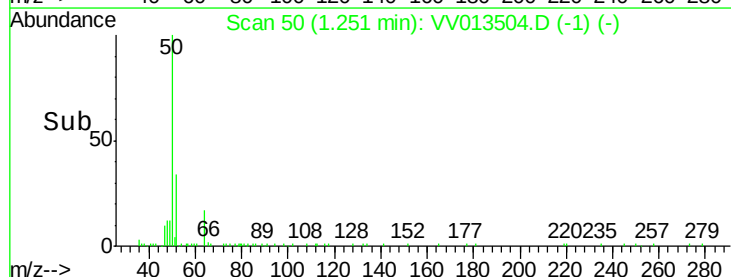
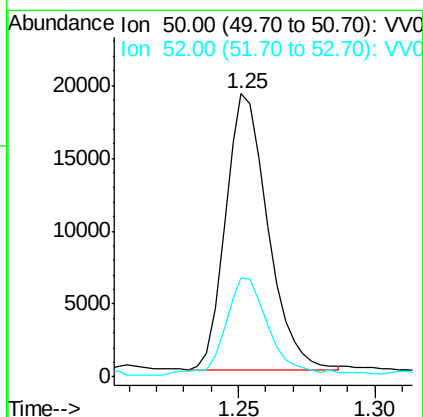
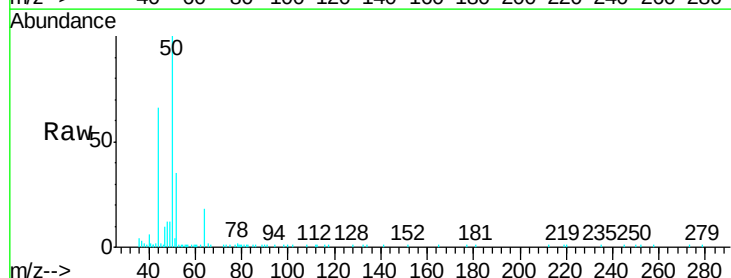
Acq: 06 Nov 2019 17:57

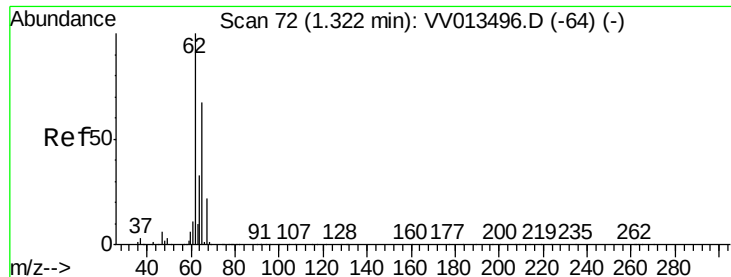
Tgt Ion: 50 Resp: 20584

Ion Ratio Lower Upper

50 100

52 34.9 22.5 41.9





#5

Vinyl chloride

Concen: 3.060 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 62 Resp: 20019

Ion Ratio Lower Upper

62 100

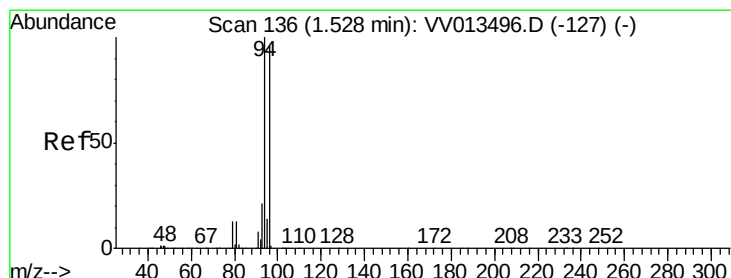
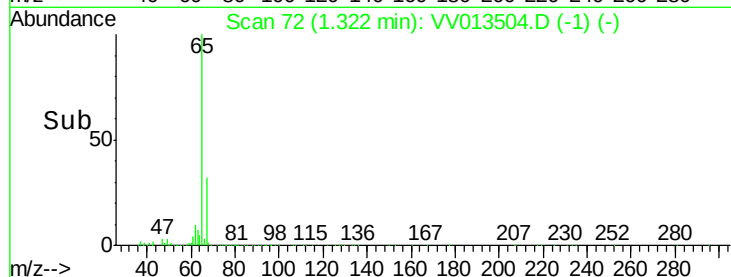
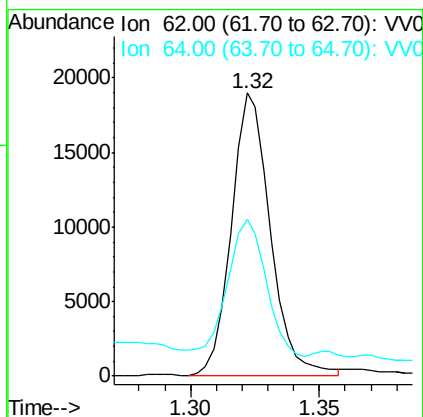
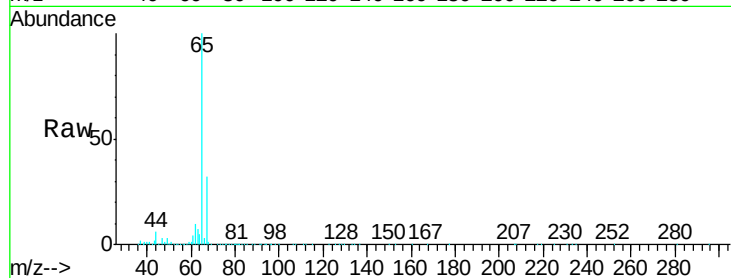
64 55.5 23.1 42.9#

Manual Integrations

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#6

Bromomethane

Concen: 3.023 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013504.D

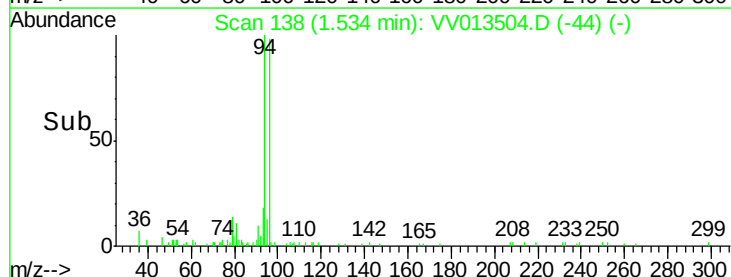
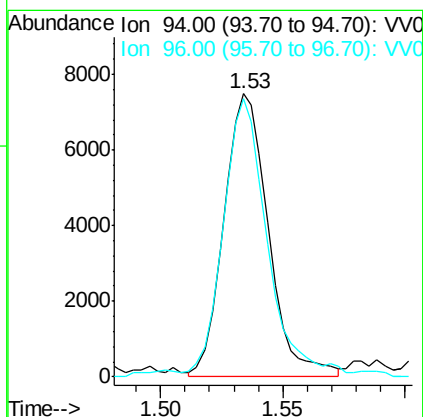
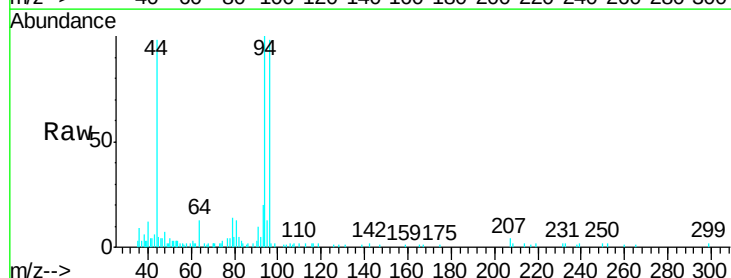
Acq: 06 Nov 2019 17:57

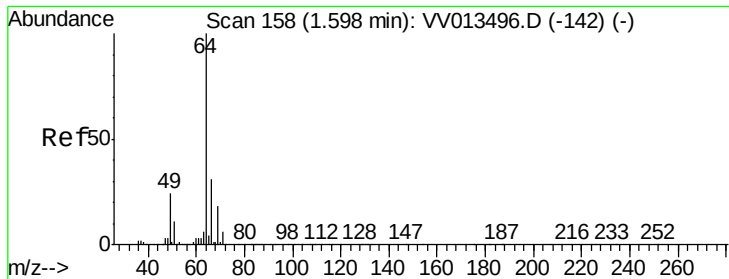
Tgt Ion: 94 Resp: 9490

Ion Ratio Lower Upper

94 100

96 98.3 67.4 125.2





#8

Chloroethane

Concen: 2.842 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 64 Resp: 10419

Ion Ratio Lower Upper

64 100

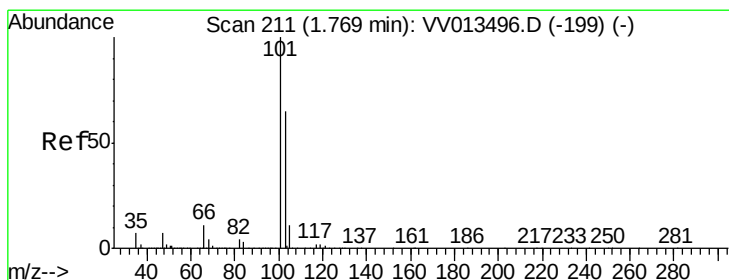
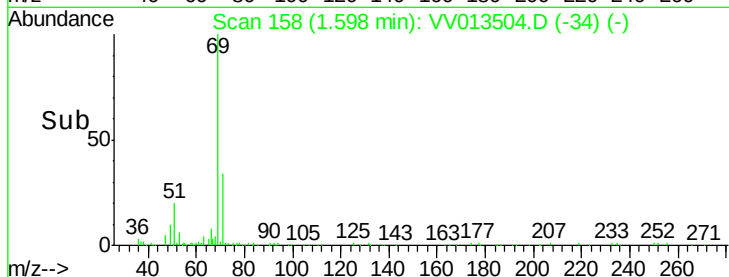
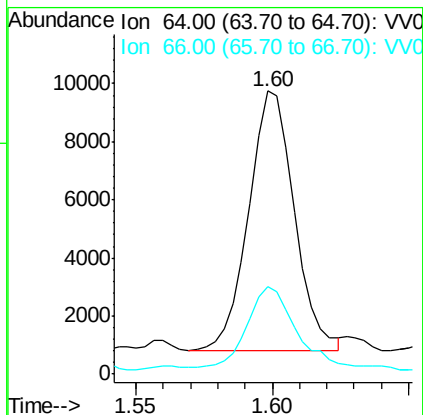
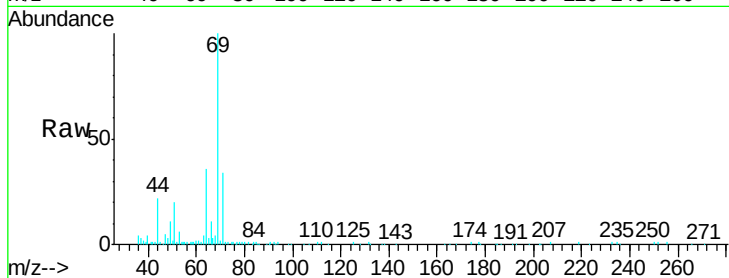
66 30.9 22.5 41.9

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.986 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV013504.D

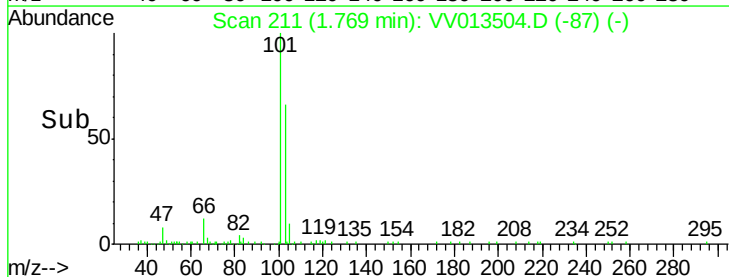
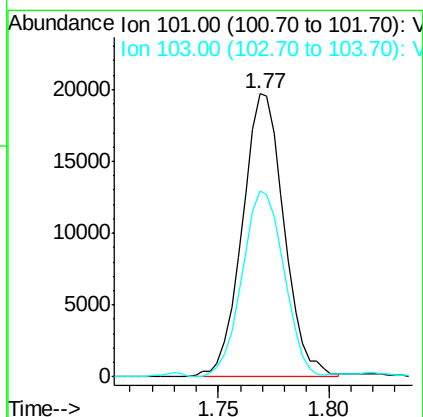
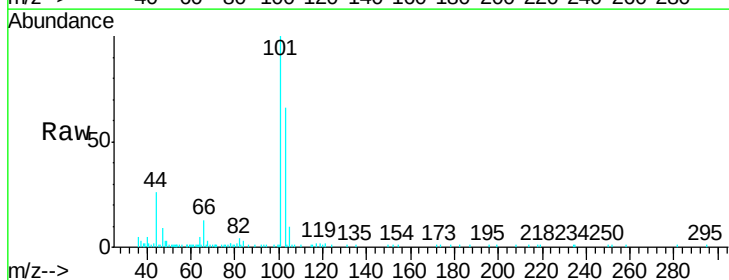
Acq: 06 Nov 2019 17:57

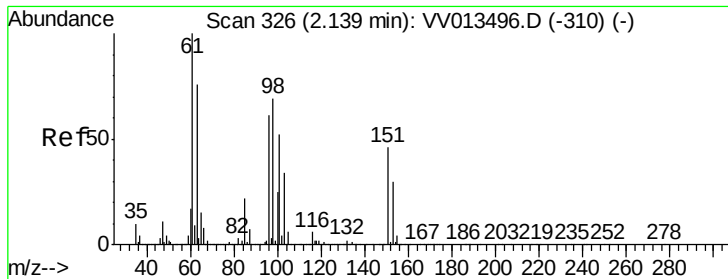
Tgt Ion: 101 Resp: 25935

Ion Ratio Lower Upper

101 100

103 65.9 52.5 78.7





#10

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

Concen: 3.761 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Instrument :

MSVOA_V

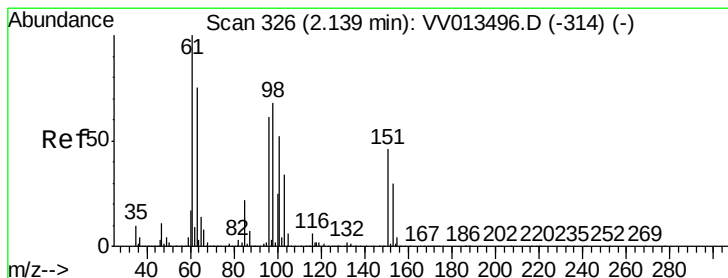
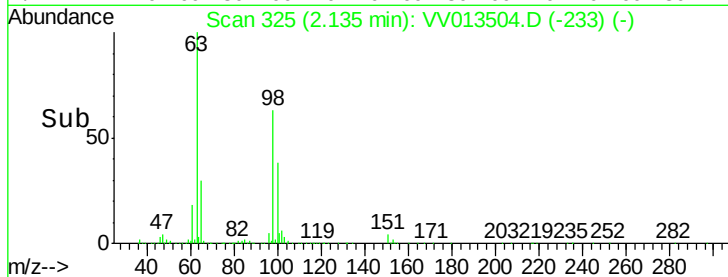
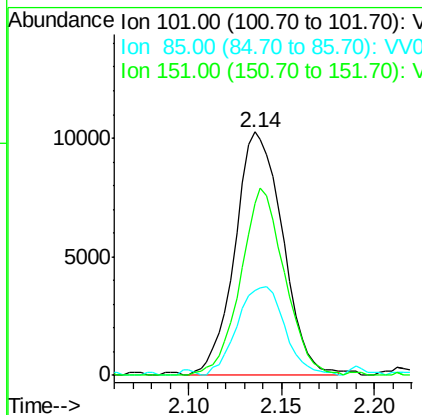
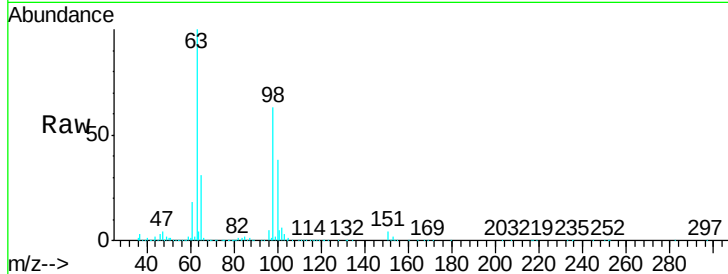
ClientSampleId :

MDL07

Tgt Ion:	101	Resp:	18398
Ion Ratio	Lower	Upper	
101	100		
85	36.4	33.3	49.9
151	71.0	69.5	104.3

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#12

1,1-Dichloroethene

Concen: 3.592 ug/L m

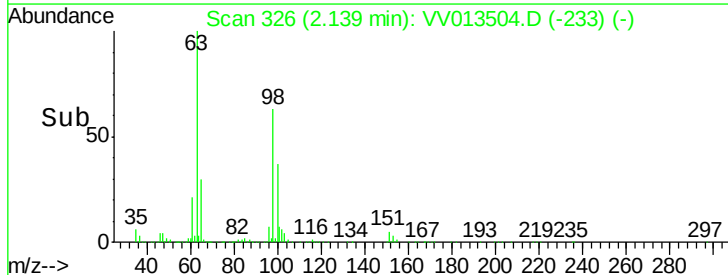
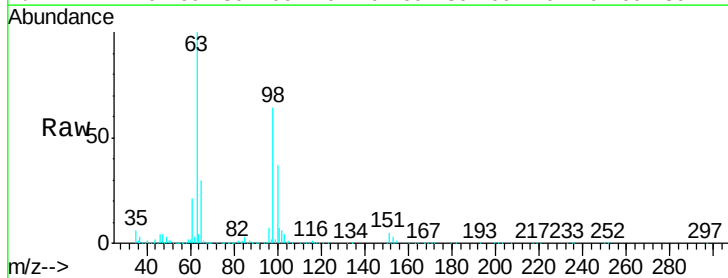
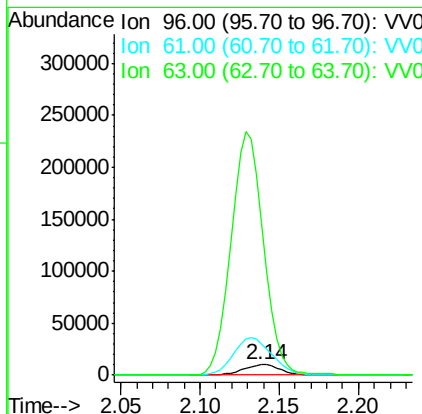
RT: 2.14 min Scan# 326

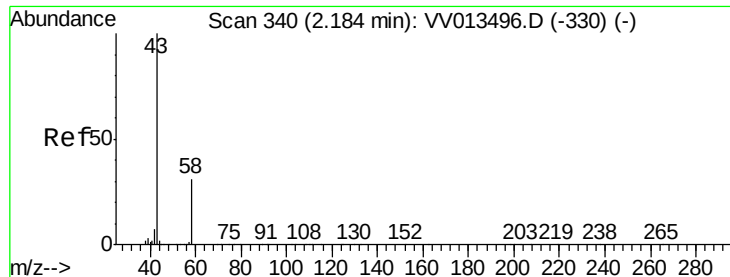
Delta R.T. -0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Tgt Ion:	96	Resp:	16770
Ion Ratio	Lower	Upper	
96	100		
61	309.8	116.9	217.1#
63	1495.2	91.5	169.9#





#13

Acetone

Concen: 5.381 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tgt Ion: 43 Resp: 19257

Ion Ratio Lower Upper

43 100

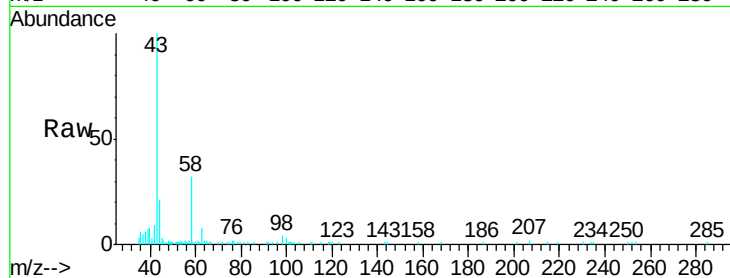
58 30.8 0.0 65.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

15000

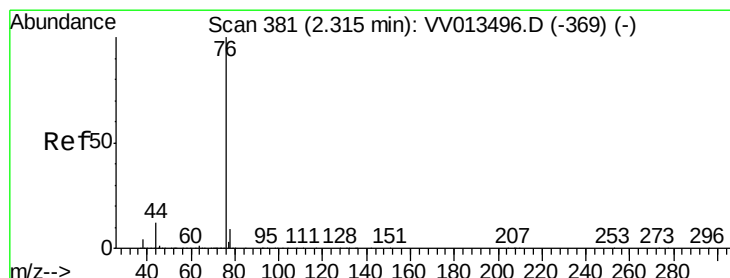
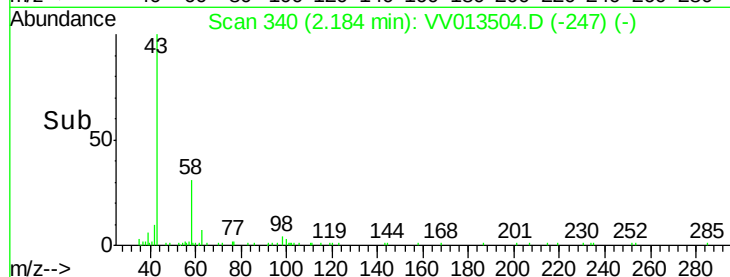
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5000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 2.842 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV013504.D

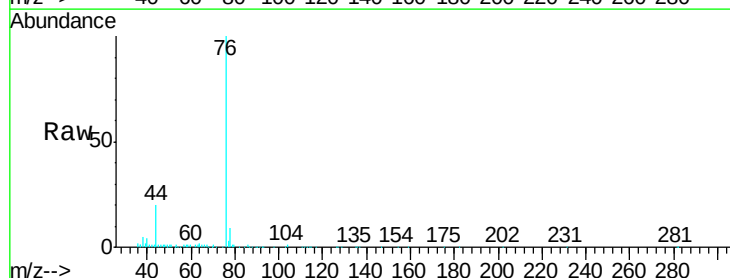
Acq: 06 Nov 2019 17:57

Tgt Ion: 76 Resp: 46436

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

30000

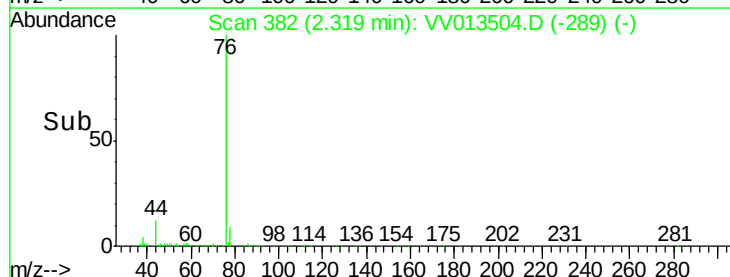
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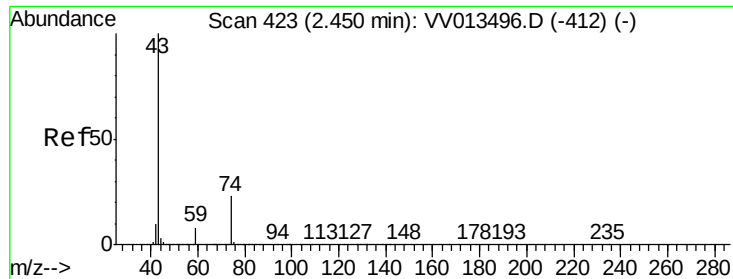
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2.25 2.30 2.35 2.40

Time-->





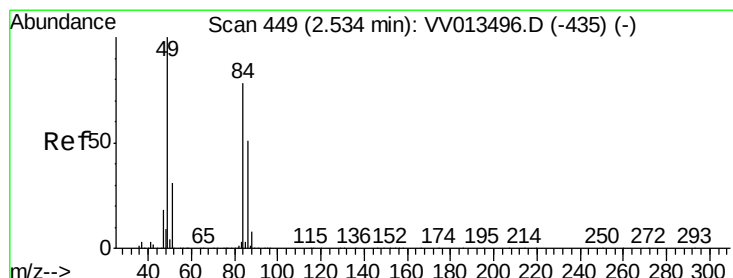
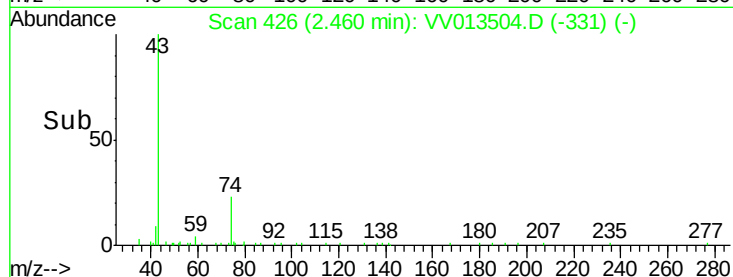
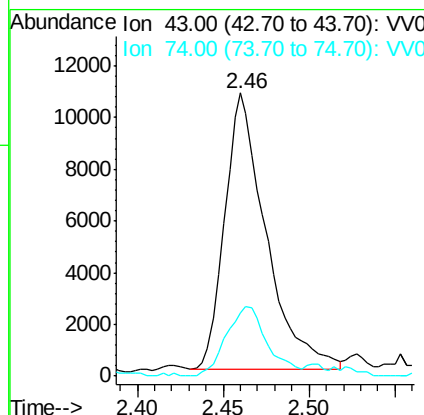
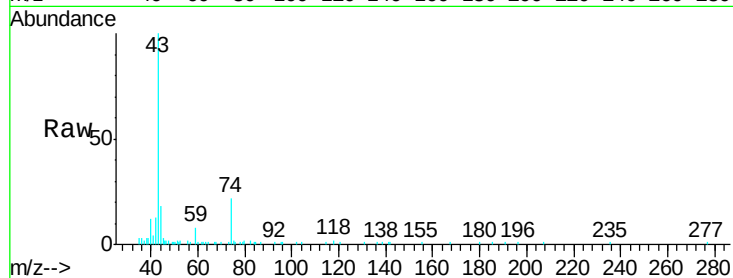
#15
Methyl Acetate
Concen: 2.753 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV013504.D
Acq: 06 Nov 2019 17:57

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion: 43 Resp: 17976
Ion Ratio Lower Upper
43 100
74 25.1 17.7 26.5

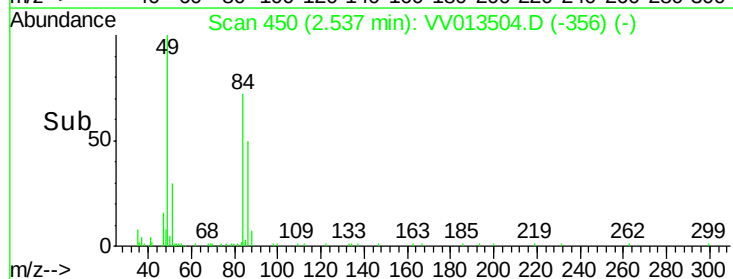
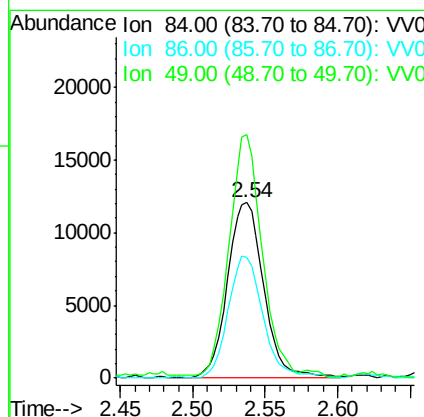
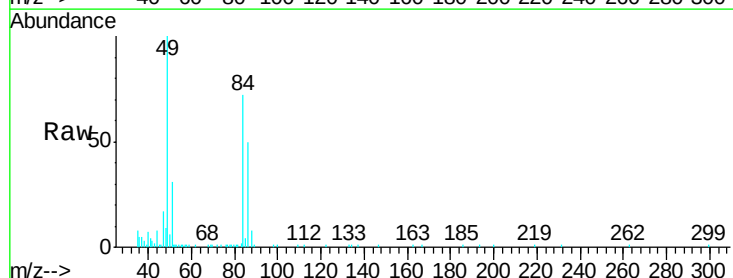
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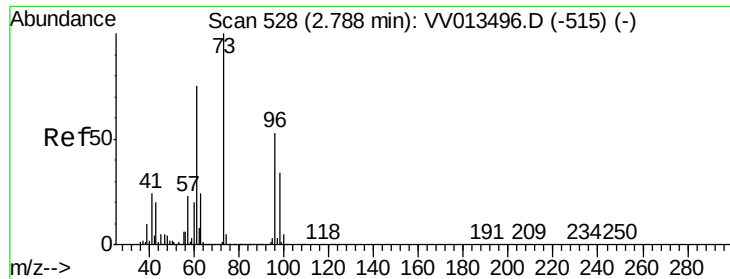
MMDadoda
11/7/2019 10:50:02 AM



#16
Methylene chloride
Concen: 3.314 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV013504.D
Acq: 06 Nov 2019 17:57

Tgt Ion: 84 Resp: 20940
Ion Ratio Lower Upper
84 100
86 69.1 44.7 83.1
49 138.9 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 2.954 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Instrument :

MSVOA_V

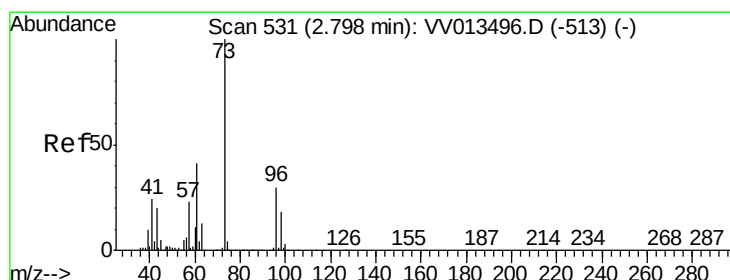
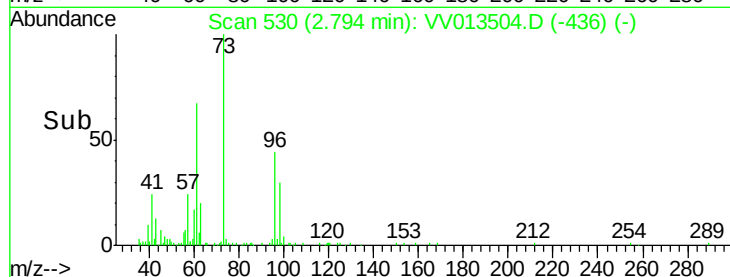
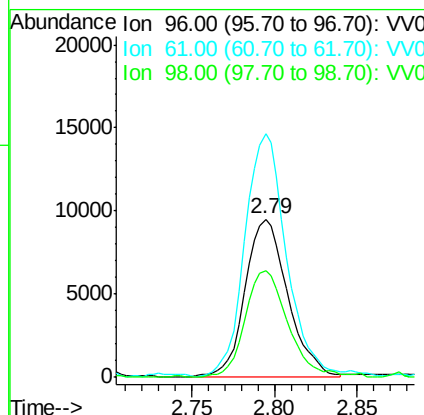
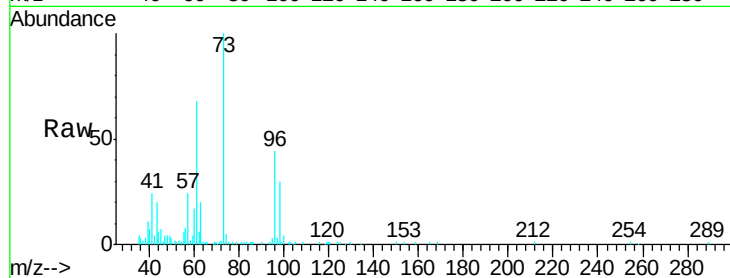
ClientSampleId :

MDL07

Tgt Ion:	96	Resp:	17171
Ion	Ratio	Lower	Upper
96	100		
61	154.1	100.4	186.6
98	67.4	44.7	83.1

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11/7/2019 10:50:02 AM



#18

Methyl tert-butyl Ether

Concen: 2.869 ug/L

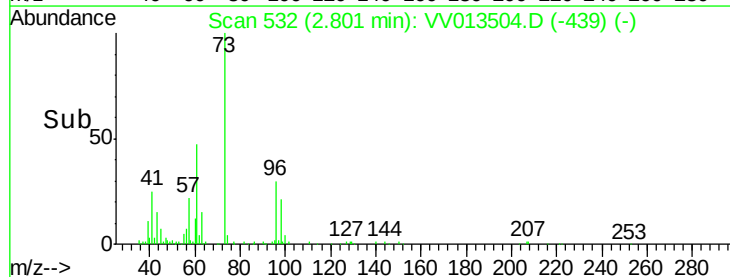
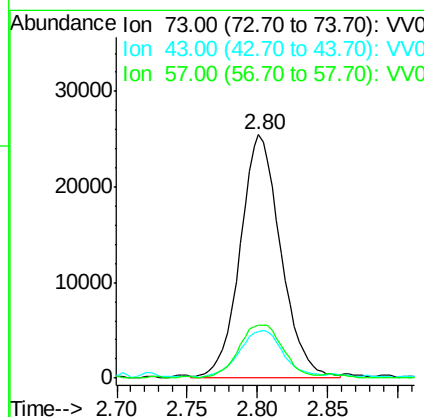
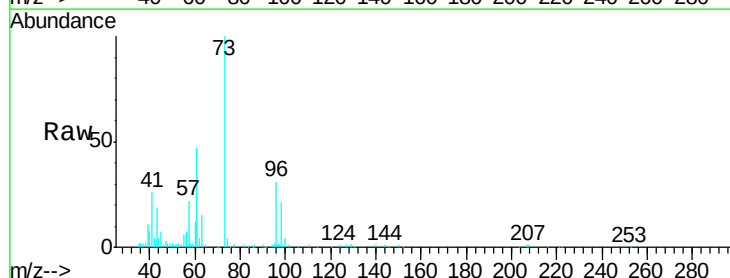
RT: 2.80 min Scan# 532

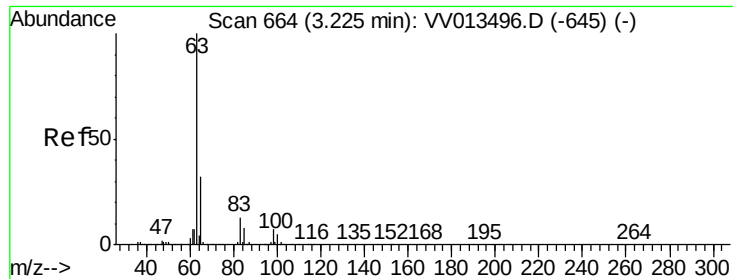
Delta R.T. -0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Tgt Ion:	73	Resp:	50857
Ion	Ratio	Lower	Upper
73	100		
43	21.8	15.7	23.5
57	23.3	18.1	27.1





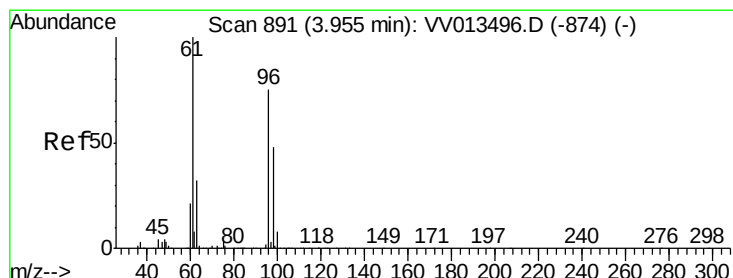
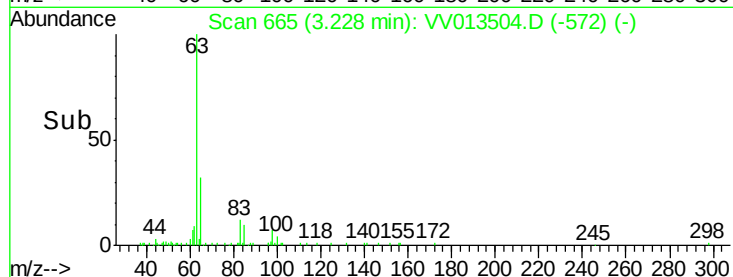
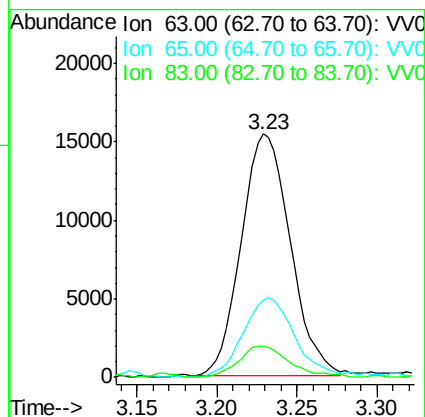
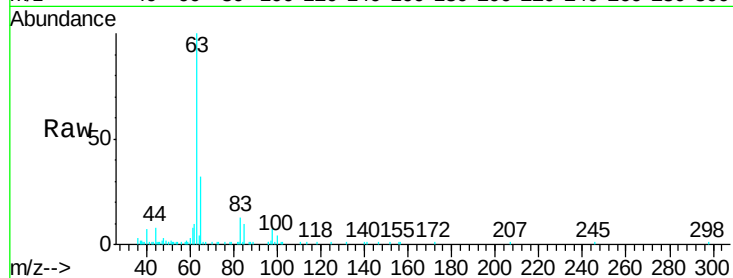
#19
 1,1-Dichloroethane
 Concen: 2.919 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV013504.D
 Acq: 06 Nov 2019 17:57

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion:	63	Resp:	32364
Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.2	41.2
83	12.9	8.9	16.5

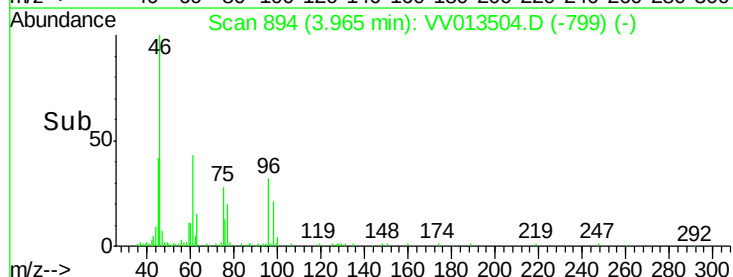
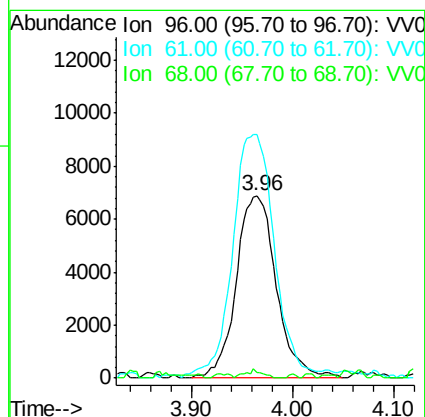
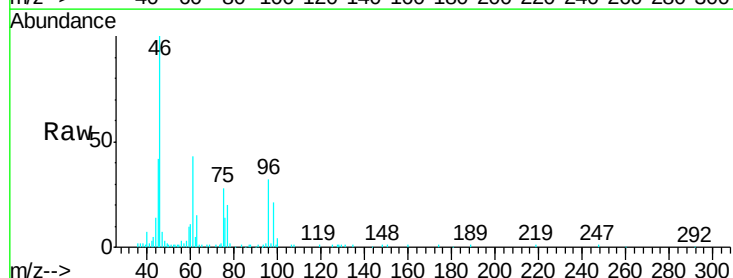
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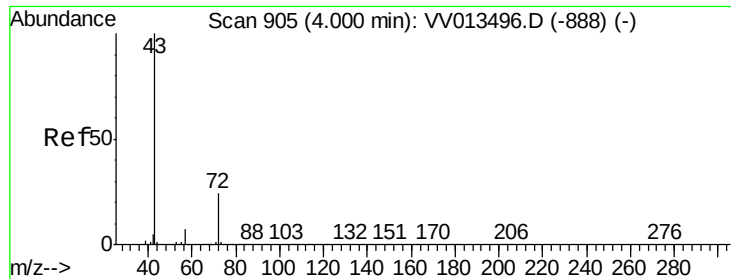
MMDadoda
 11/7/2019 10:50:02 AM



#20
 cis-1,2-Dichloroethene
 Concen: 2.983 ug/L m
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV013504.D
 Acq: 06 Nov 2019 17:57

Tgt Ion:	96	Resp:	18932
Ion	Ratio	Lower	Upper
96	100		
61	133.0	92.1	171.1
68	3.3	0.0	0.0#





#22

2-Butanone

Concen: 4.285 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.02 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 43 Resp: 20312

Ion Ratio Lower Upper

43 100

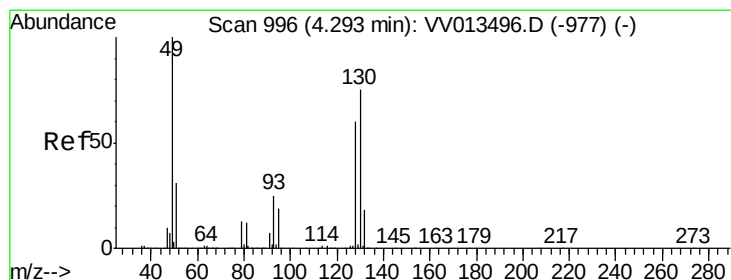
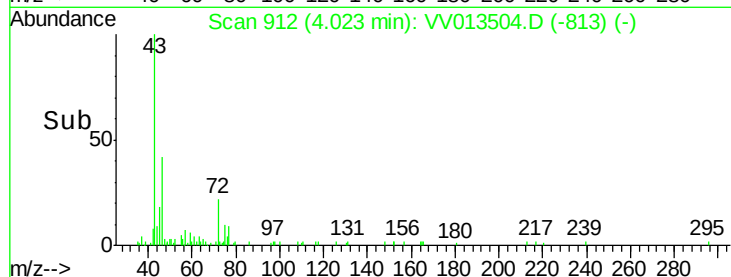
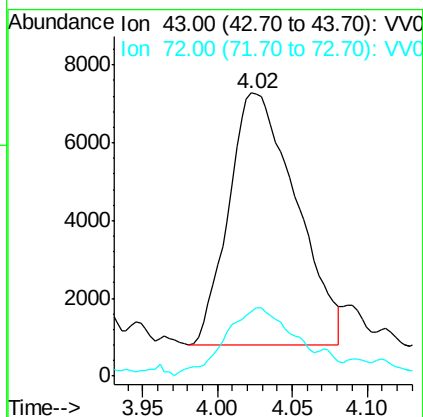
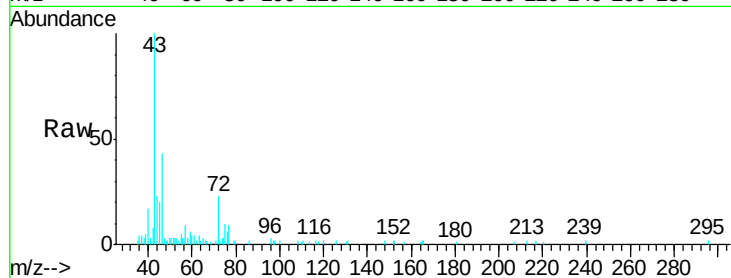
72 27.2 12.3 36.9

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#23

Bromochloromethane

Concen: 2.995 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Tgt Ion: 128 Resp: 10047

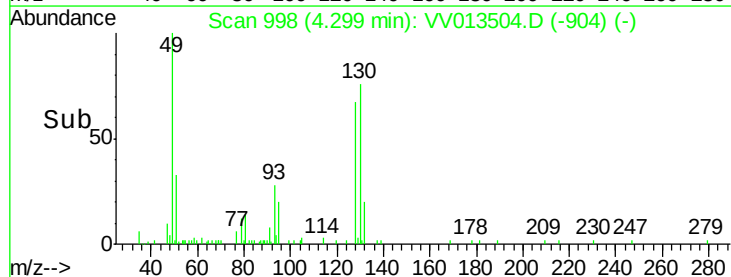
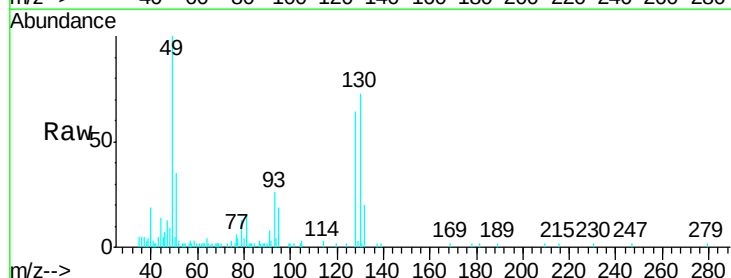
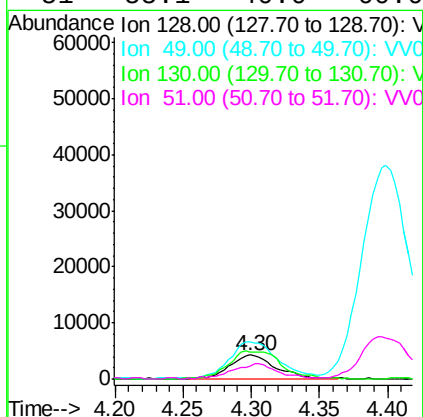
Ion Ratio Lower Upper

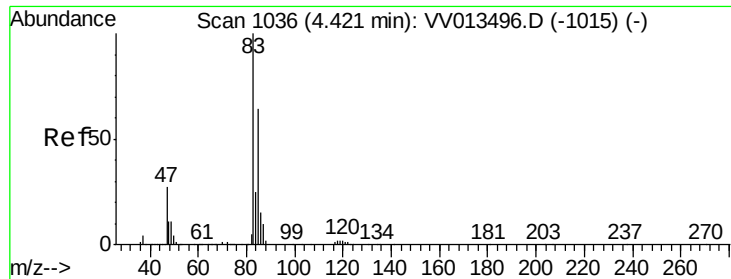
128 100

49 156.7 115.8 215.2

130 114.3 89.1 165.5

51 55.1 40.0 60.0





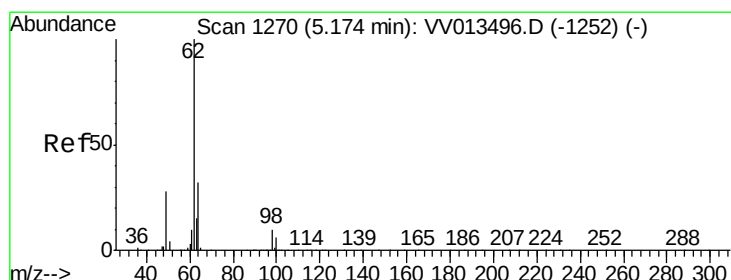
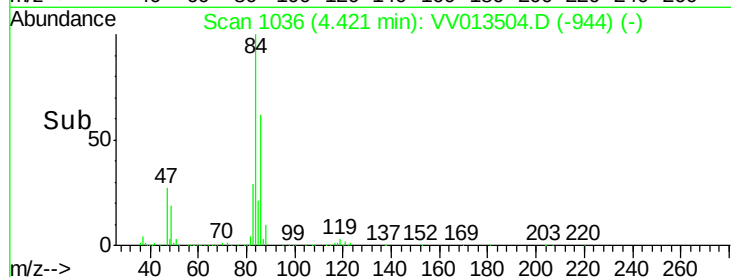
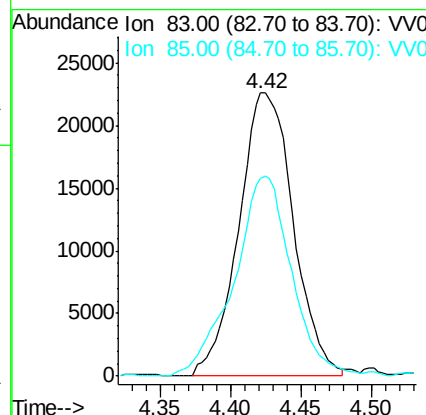
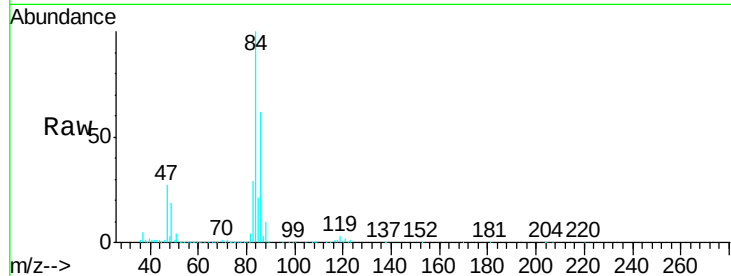
#25
Chloroform
Concen: 5.355 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013504.D
Acq: 06 Nov 2019 17:57

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.9	44.4	82.5

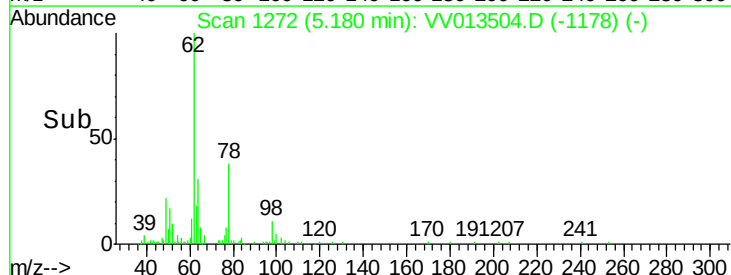
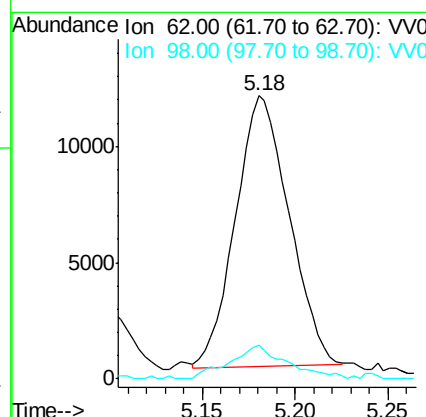
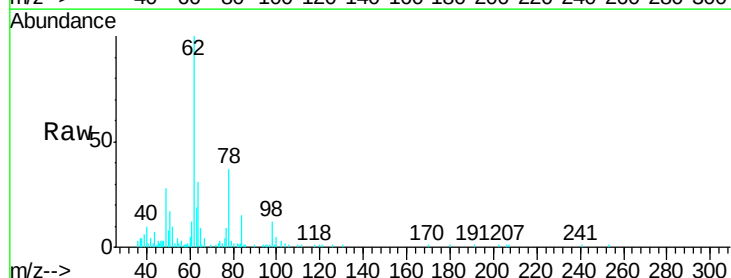
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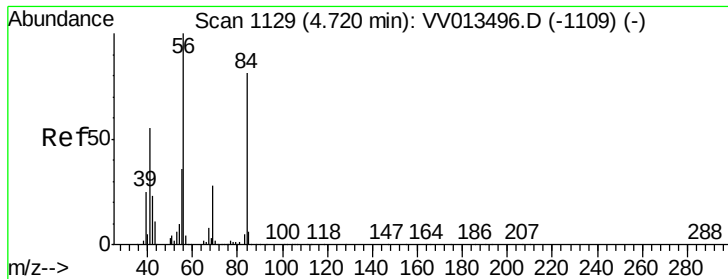
MMDadoda
11/7/2019 10:50:02 AM



#27
1,2-Dichloroethane
Concen: 2.666 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV013504.D
Acq: 06 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.8	8.2	12.4





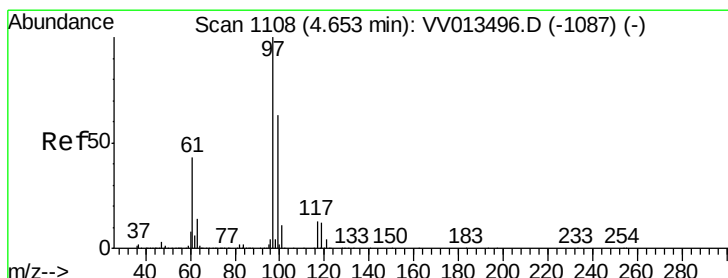
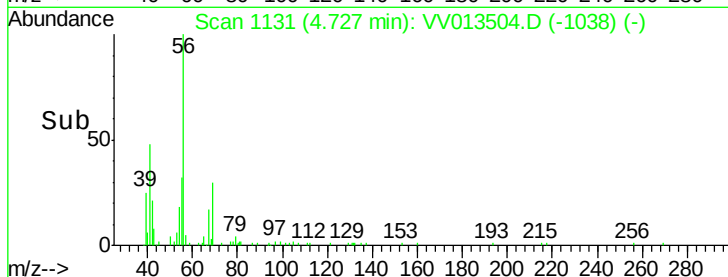
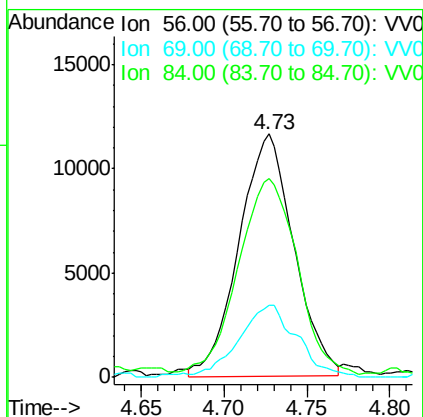
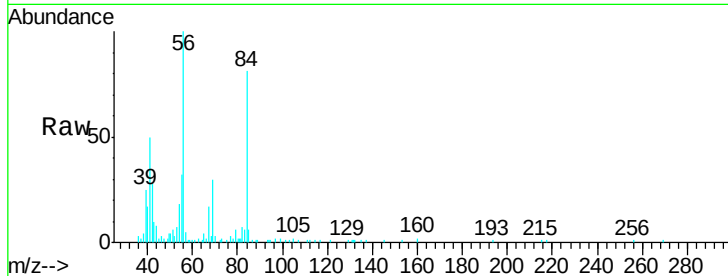
#29
Cyclohexane
Concen: 2.727 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VV013504.D
Acq: 06 Nov 2019 17:57

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.7	35.5
84	86.3	66.3	99.5

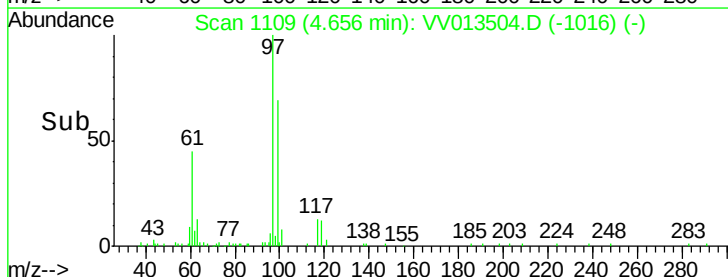
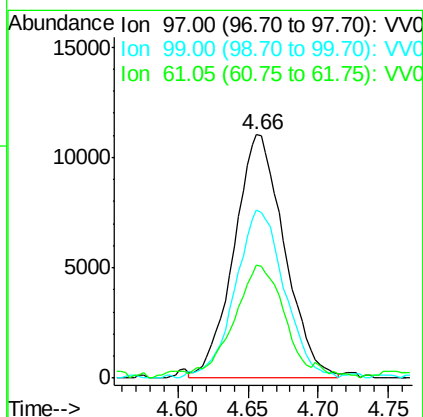
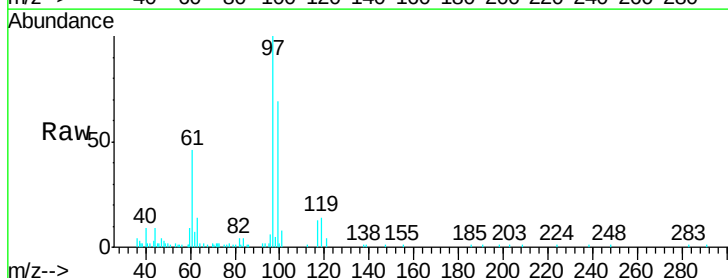
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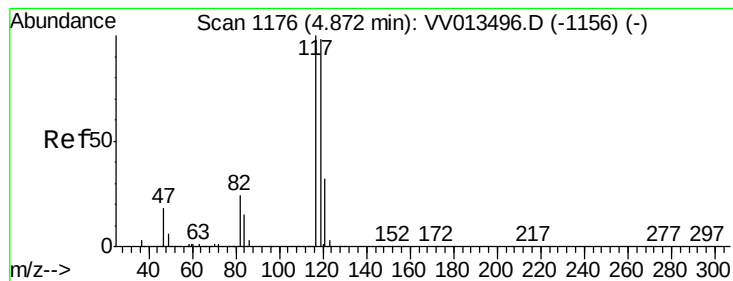
MMDadoda
11/7/2019 10:50:02 AM



#30
1,1,1-Trichloroethane
Concen: 2.906 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV013504.D
Acq: 06 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.1	52.0	78.0
61	44.7	35.8	53.8





#31

Carbon tetrachloride

Concen: 2.714 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tgt Ion:117 Resp: 22919

Ion Ratio Lower Upper

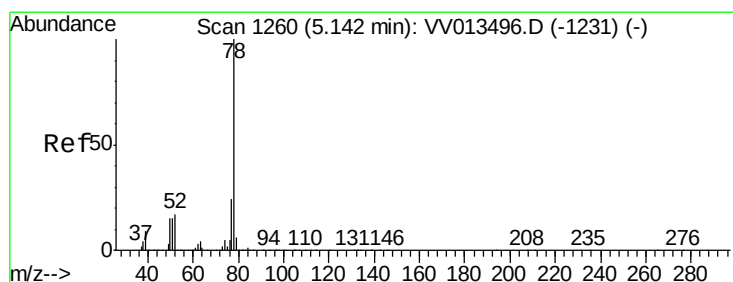
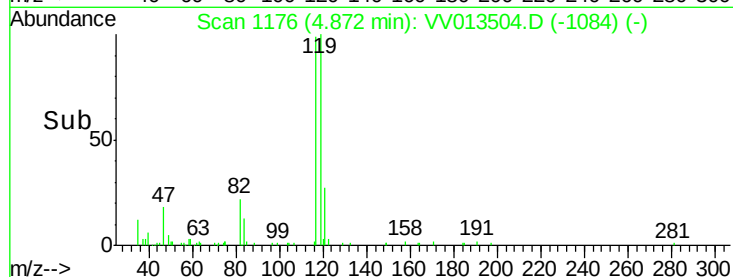
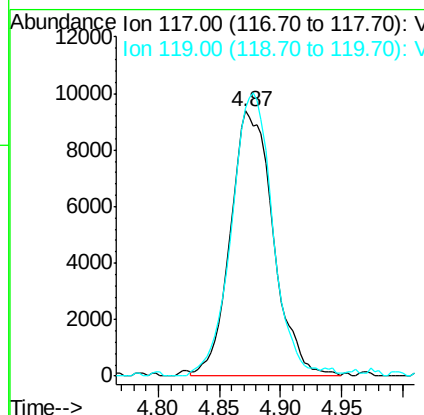
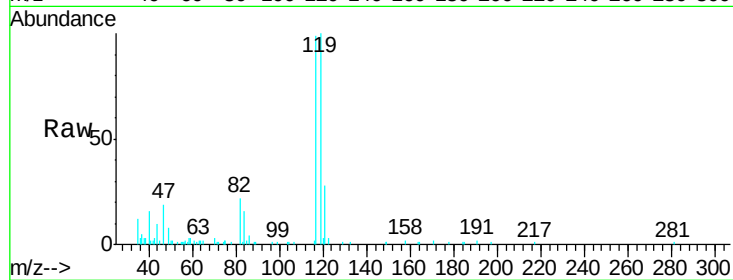
117 100

119 101.5 77.6 116.4

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#33

Benzene

Concen: 3.112 ug/L

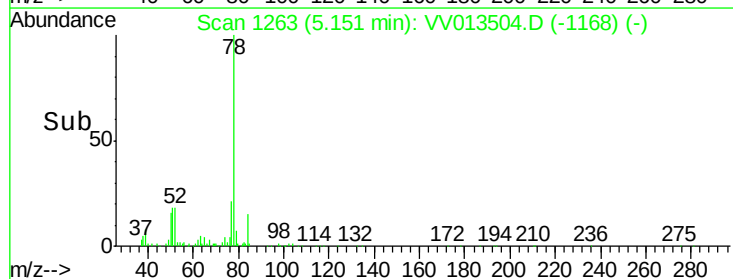
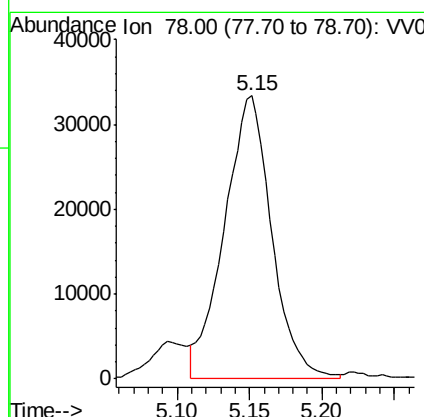
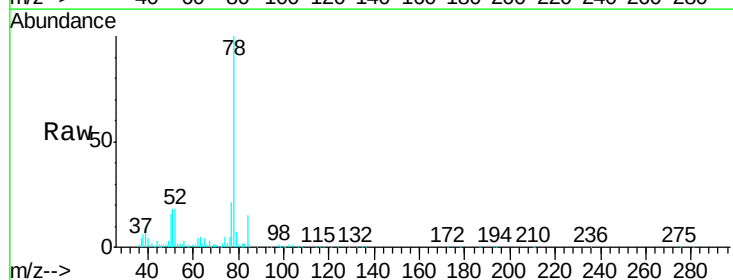
RT: 5.15 min Scan# 1263

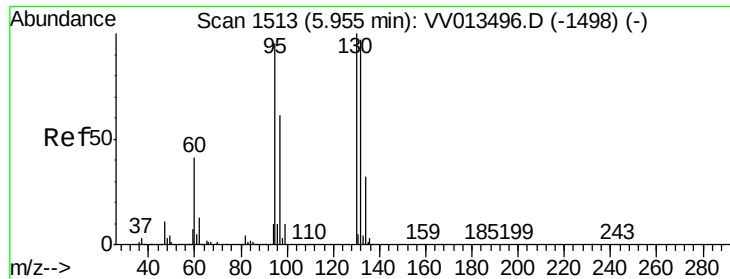
Delta R.T. 0.01 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Tgt Ion: 78 Resp: 75168





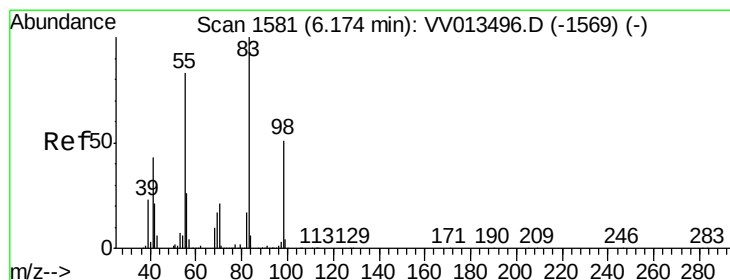
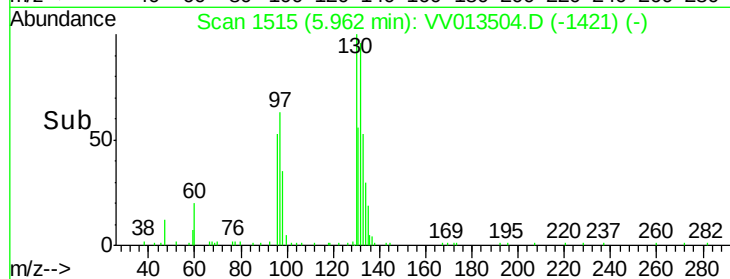
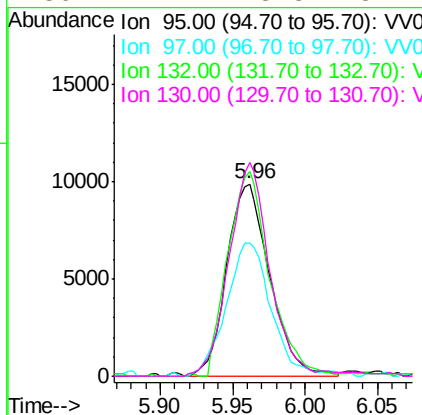
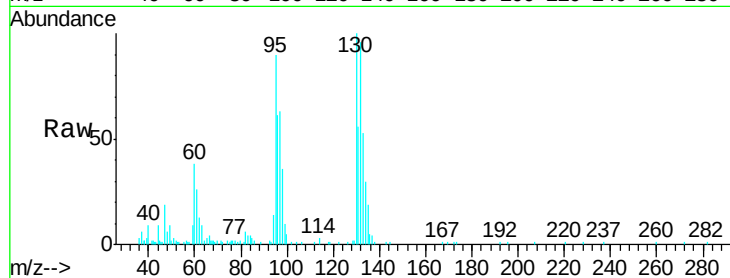
#34
 Trichloroethene
 Concen: 3.175 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV013504.D
 Acq: 06 Nov 2019 17:57

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion	Ratio	Lower	Upper
95	100		
97	69.6	45.1	83.7
132	106.4	71.7	133.1
130	111.2	73.8	137.2

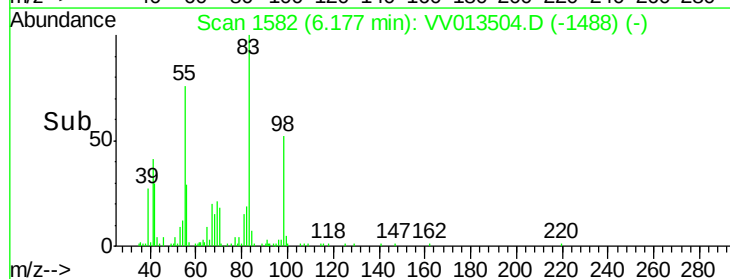
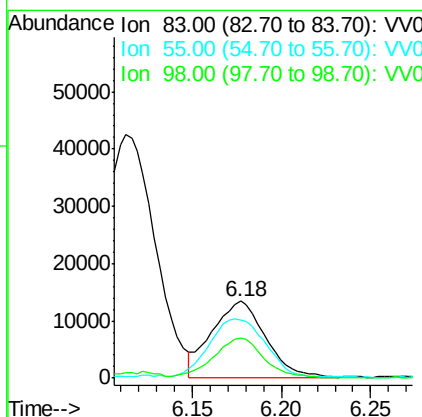
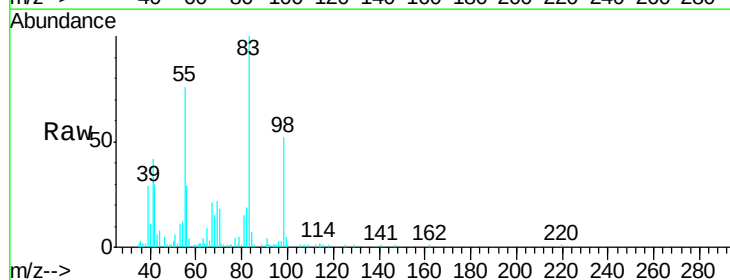
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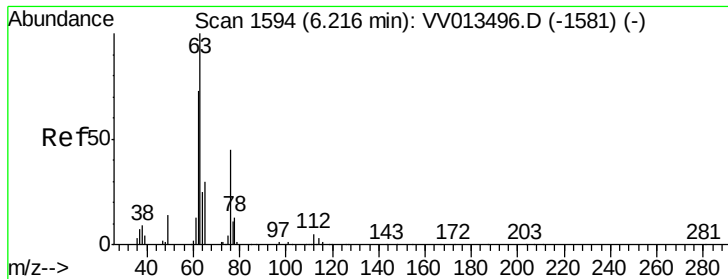
MMDadoda
 11/7/2019 10:50:02 AM



#35
 Methylcyclohexane
 Concen: 2.773 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV013504.D
 Acq: 06 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.5	63.4	95.0
98	50.6	38.6	58.0





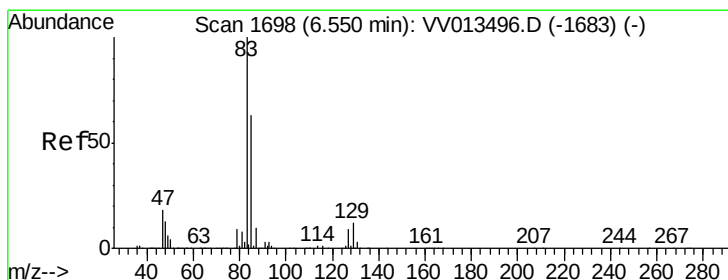
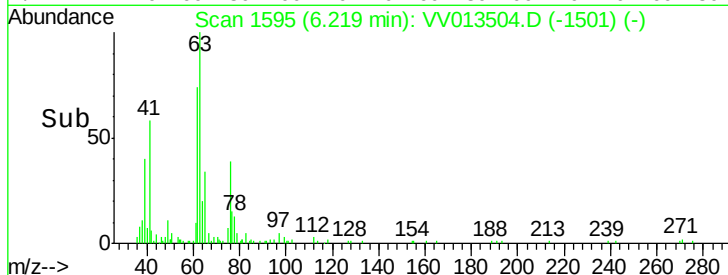
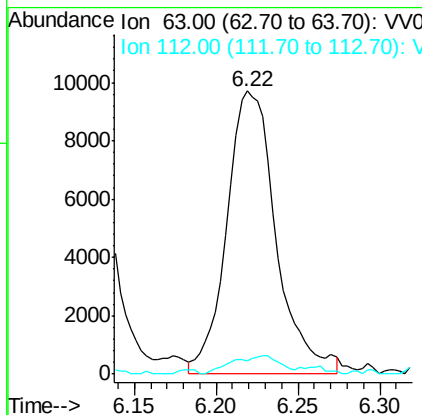
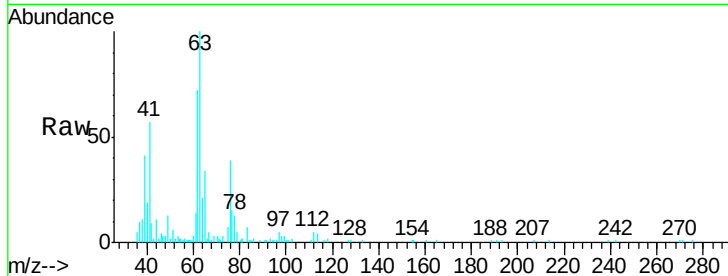
#37
 1,2-Dichloropropane
 Concen: 3.205 ug/L m
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013504.D
 Acq: 06 Nov 2019 17:57

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tgt Ion: 63 Resp: 20378
 Ion Ratio Lower Upper
 63 100
 112 0.6 3.9 5.9#

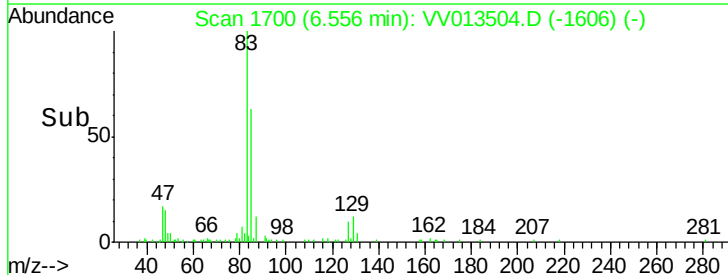
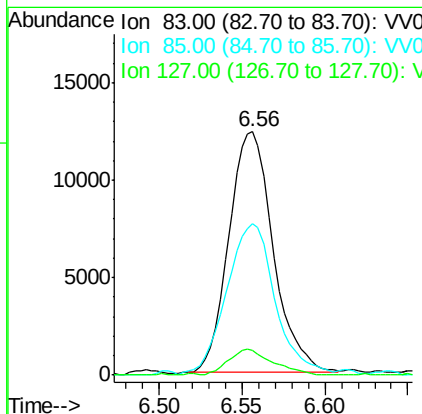
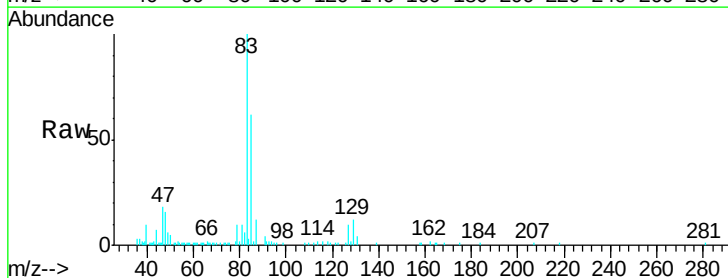
Manual Integrations
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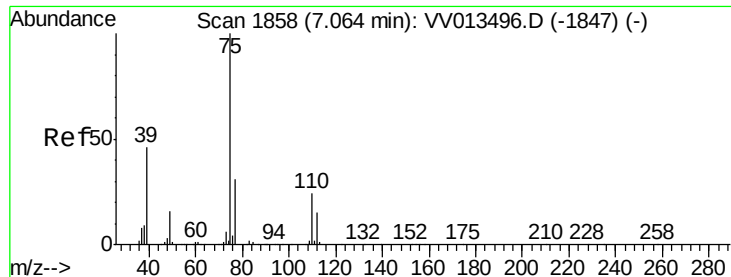
MMDadoda
 11/7/2019 10:50:02 AM



#38
 Bromodichloromethane
 Concen: 2.751 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV013504.D
 Acq: 06 Nov 2019 17:57

Tgt Ion: 83 Resp: 23007
 Ion Ratio Lower Upper
 83 100
 85 62.1 44.8 83.2
 127 10.1 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 2.576 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tgt Ion: 75 Resp: 24883

Ion Ratio Lower Upper

75 100

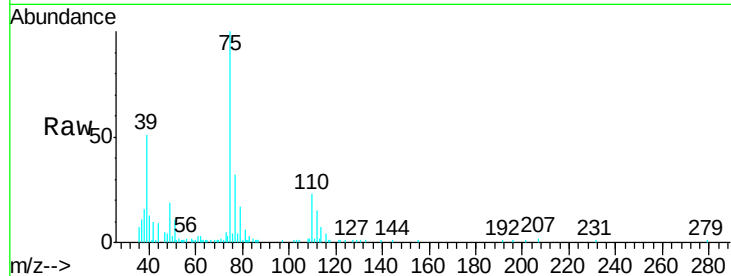
77 32.0 22.0 40.8

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VV013496.D (-1847) (-)

Ion 77.00 (76.70 to 77.70): VV013496.D (-1847) (-)

7.07

15000

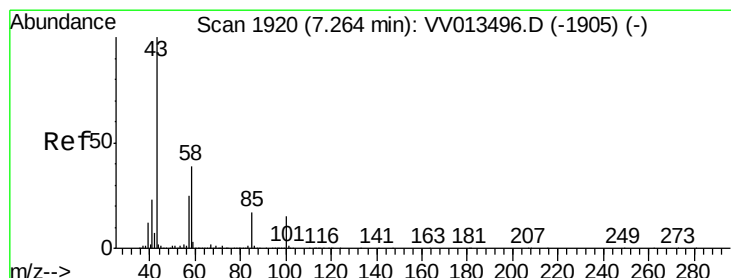
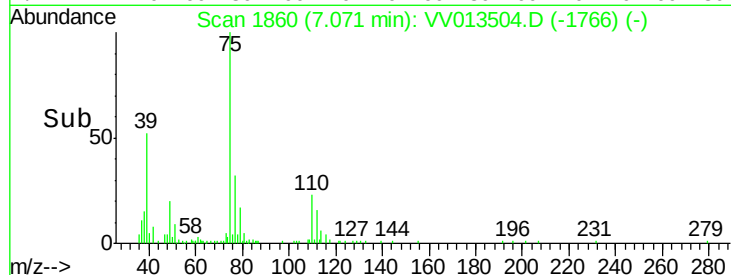
10000

5000

0

7.05 7.10 7.15

Time-->



#40

4-Methyl-2-pentanone

Concen: 5.267 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

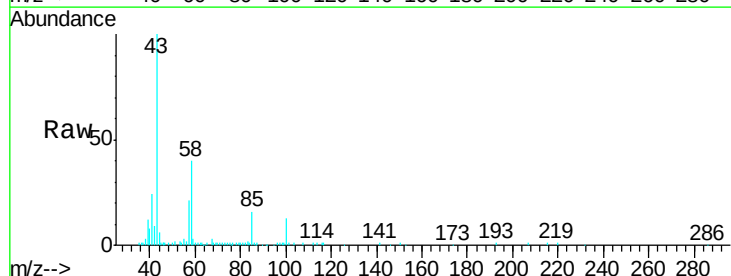
Tgt Ion: 43 Resp: 43172

Ion Ratio Lower Upper

43 100

58 35.9 31.0 46.4

100 15.1 12.2 18.2



Abundance Ion 43.00 (42.70 to 43.70): VV013496.D (-1905) (-)

Ion 58.00 (57.70 to 58.70): VV013496.D (-1905) (-)

Ion 100.00 (99.70 to 100.70): VV013496.D (-1905) (-)

500000

400000

300000

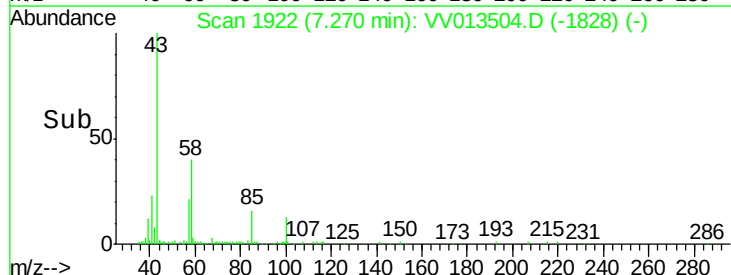
200000

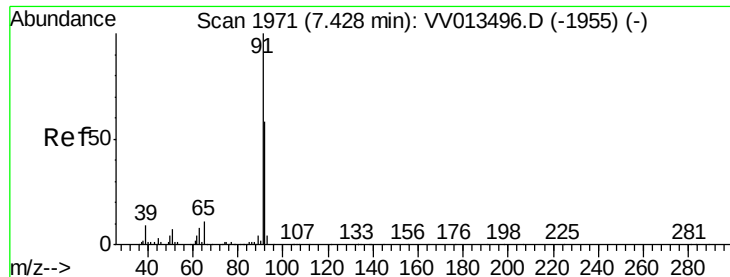
100000

0

7.20 7.25 7.30 7.35

Time-->





#42

Toluene

Concen: 2.993 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 91 Resp: 75343

Ion Ratio Lower Upper

91 100

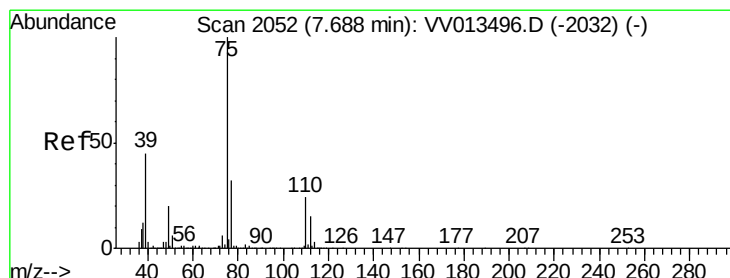
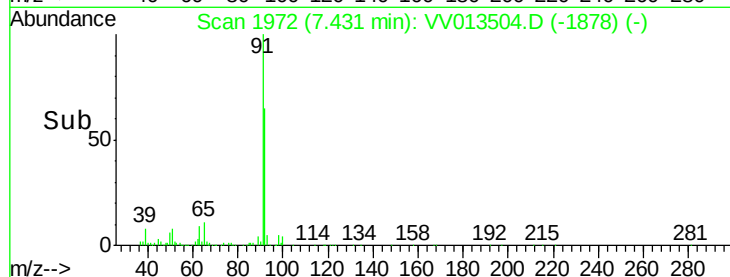
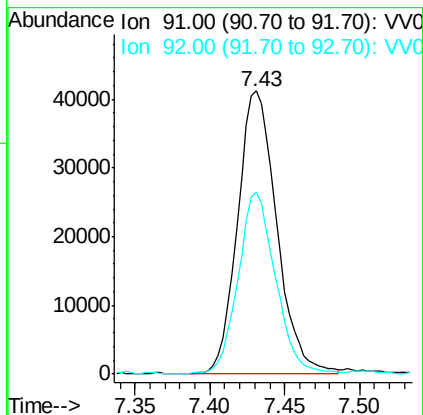
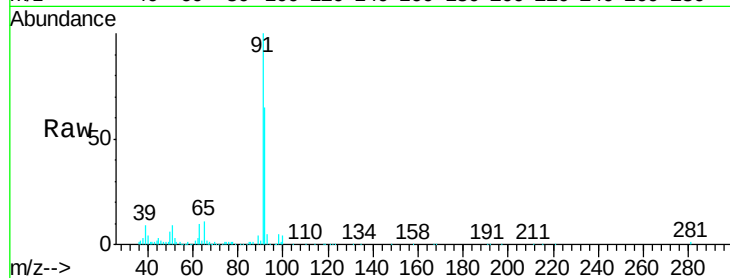
92 64.6 41.3 76.7

Manual Integrations

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MMDadoda

11/7/2019 10:50:02 AM



#44

trans-1,3-Dichloropropene

Concen: 2.686 ug/L m

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV013504.D

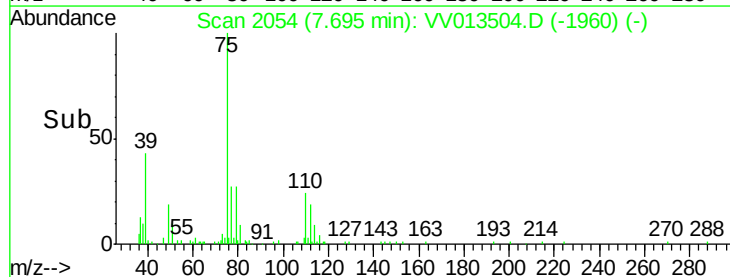
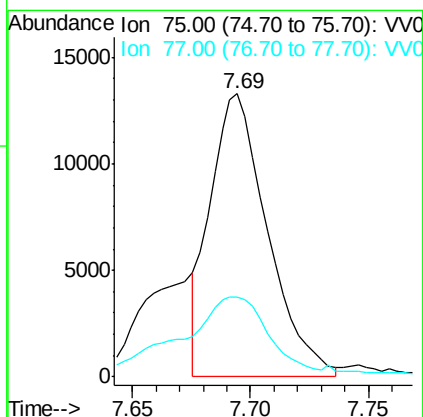
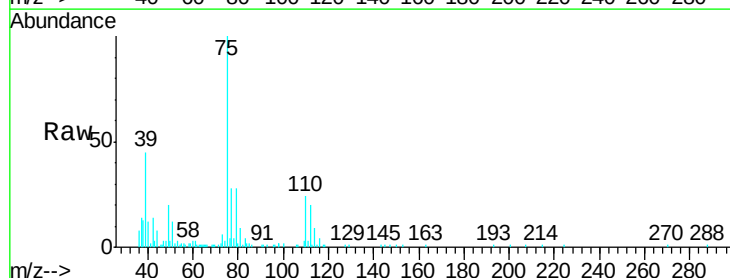
Acq: 06 Nov 2019 17:57

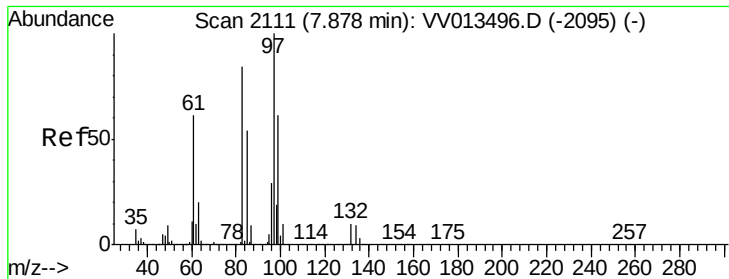
Tgt Ion: 75 Resp: 22577

Ion Ratio Lower Upper

75 100

77 28.3 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 2.845 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Instrument :

MSVOA_V

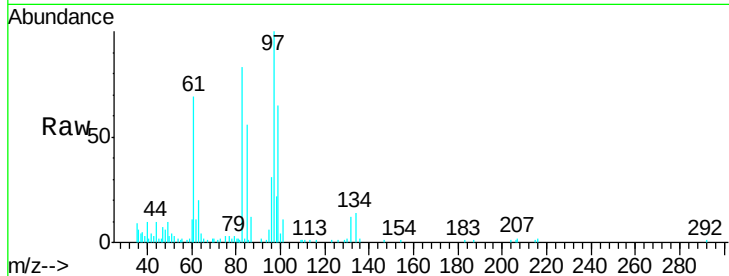
ClientSampleId :

MDL07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	43.8	81.4
83	83.4	59.1	109.9
85	55.7	38.8	72.0

Manual Integrations
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11/7/2019 10:50:02 AM



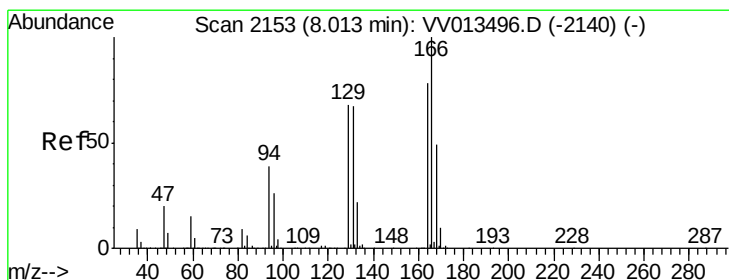
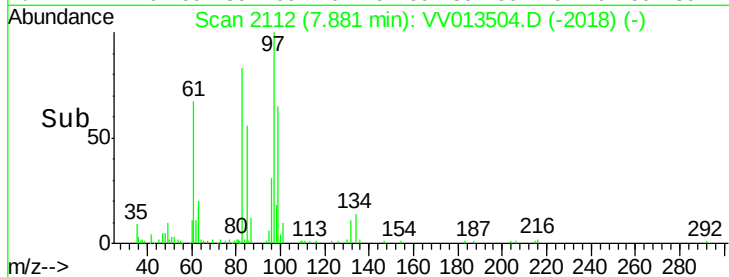
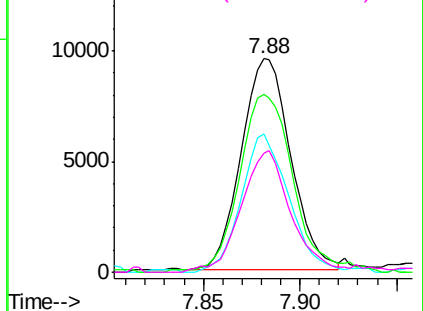
Abundance

Ion 97.00 (96.70 to 97.70): VV013496.D (-2095) (-)

Ion 99.00 (98.70 to 99.70): VV013496.D (-2095) (-)

Ion 83.00 (82.70 to 83.70): VV013496.D (-2095) (-)

Ion 85.00 (84.70 to 85.70): VV013496.D (-2095) (-)



#46

Tetrachloroethene

Concen: 2.914 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
164	100		
129	98.4	61.5	114.3
131	91.6	60.6	112.6
166	137.1	90.2	167.6

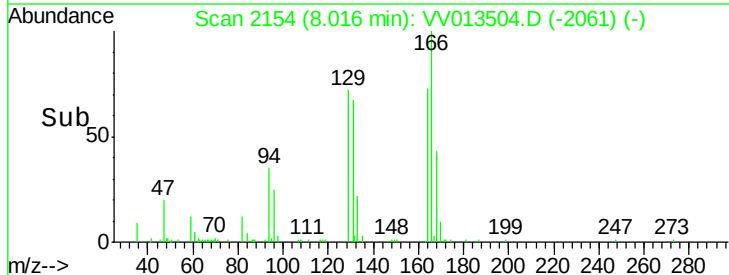
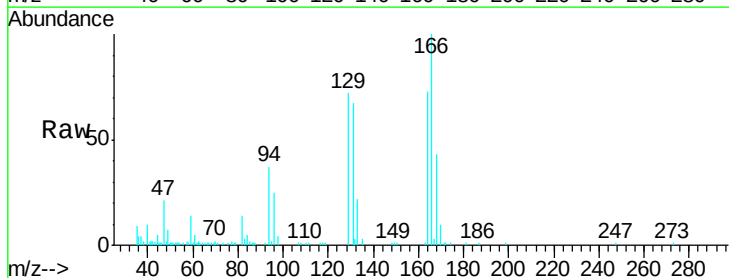
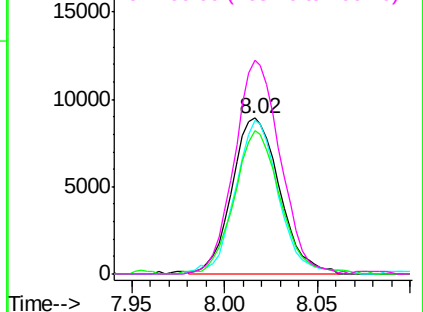
Abundance

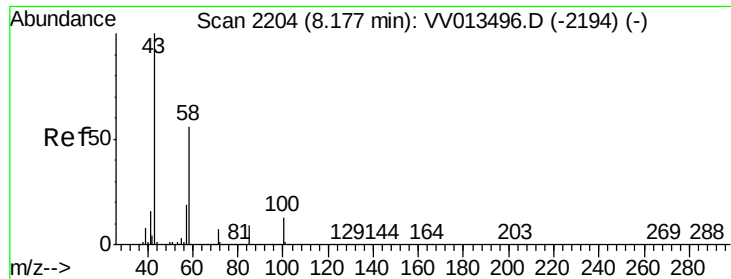
Ion 164.00 (163.70 to 164.70): VV013496.D (-2140) (-)

Ion 129.00 (128.70 to 129.70): VV013496.D (-2140) (-)

Ion 131.00 (130.70 to 131.70): VV013496.D (-2140) (-)

Ion 166.00 (165.70 to 166.70): VV013496.D (-2140) (-)





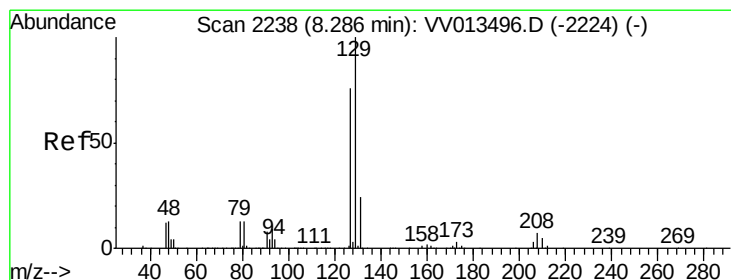
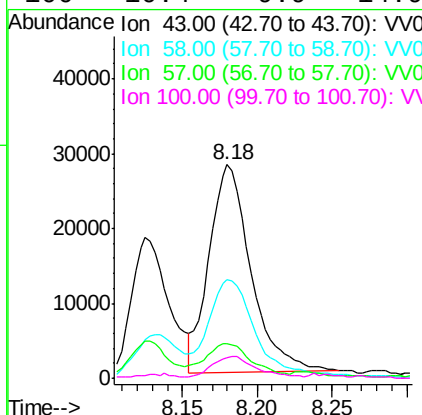
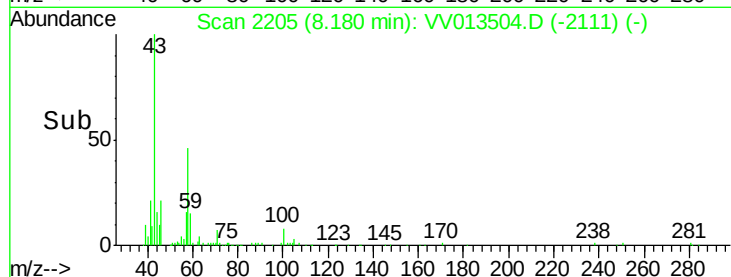
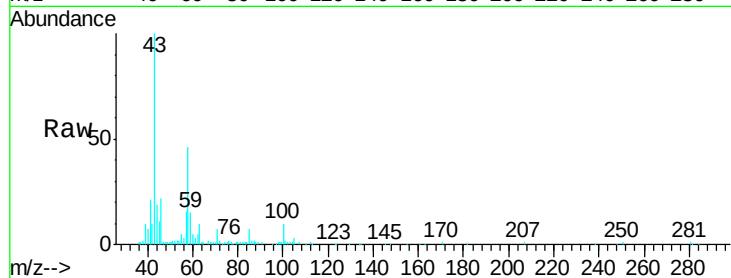
#48
2-Hexanone
Concen: 8.312 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV013504.D
Acq: 06 Nov 2019 17:57

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	47.3	43.4	65.0
57	14.6	15.2	22.8
100	10.4	9.9	14.9

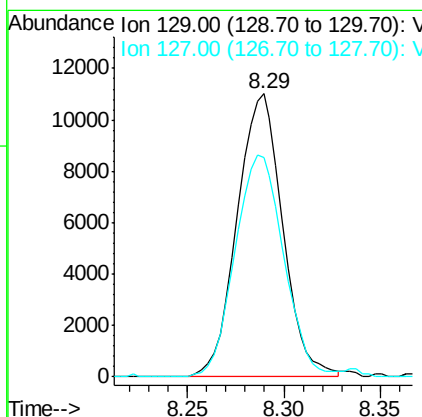
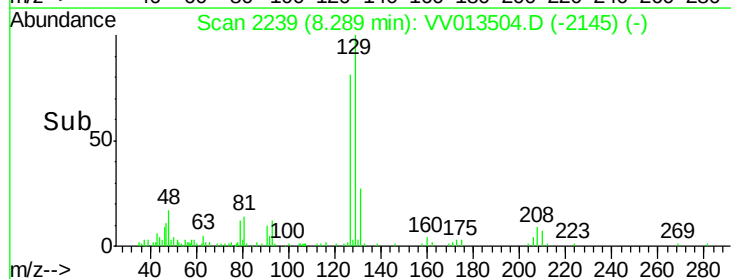
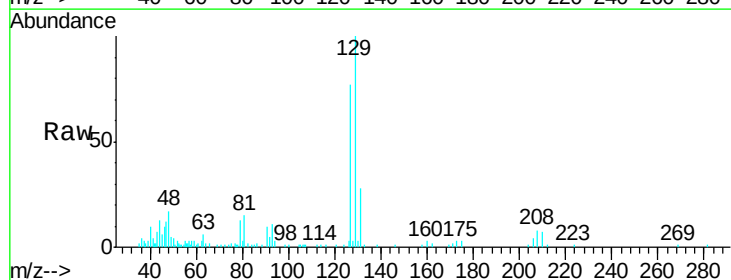
Manual Integrations
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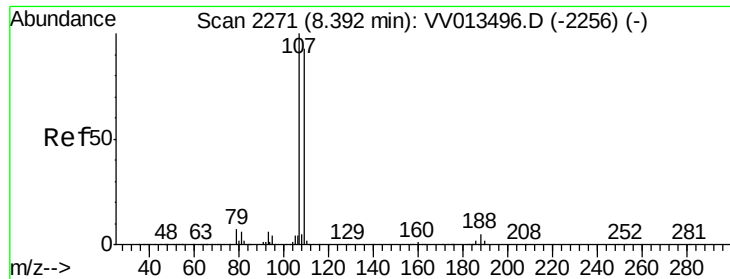
MMDadoda
11/7/2019 10:50:02 AM



#49
Dibromochloromethane
Concen: 2.643 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV013504.D
Acq: 06 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	52.5	97.5





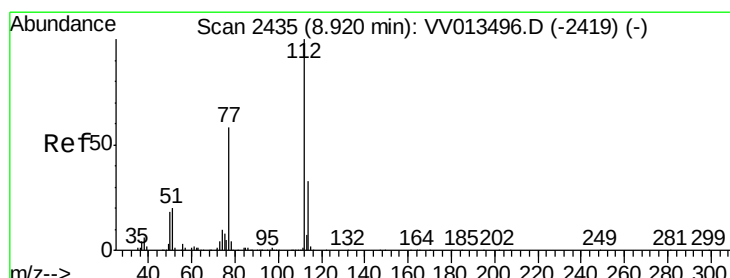
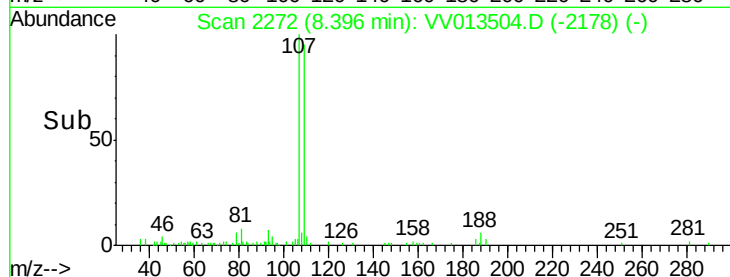
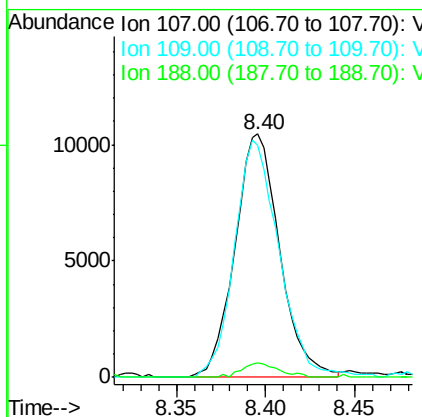
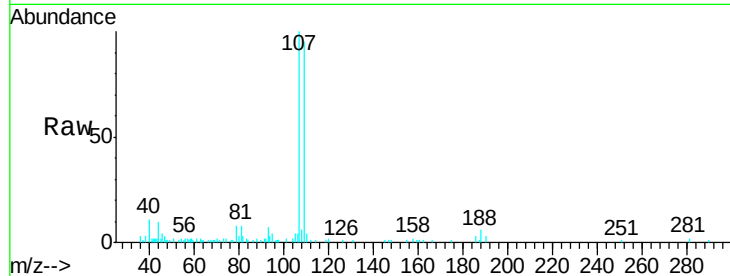
#50
1,2-Dibromoethane
Concen: 2.925 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013504.D
Acq: 06 Nov 2019 17:57

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	18277		
109	95.3	65.7	122.1	
188	5.7	3.5	5.3#	

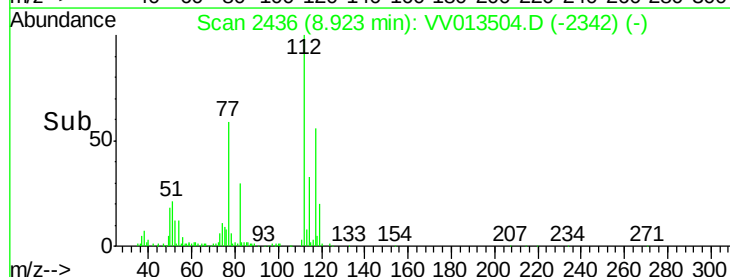
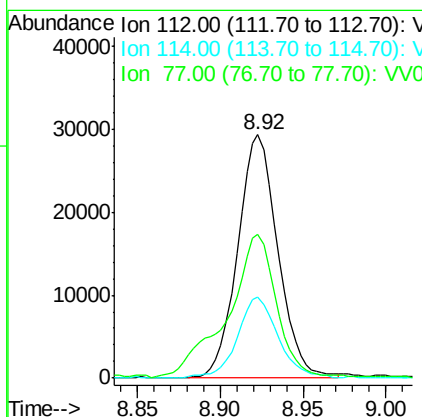
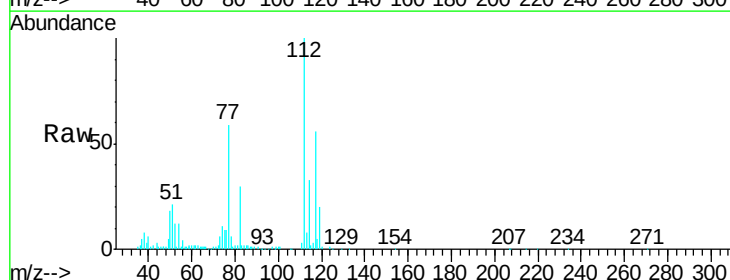
Manual Integrations
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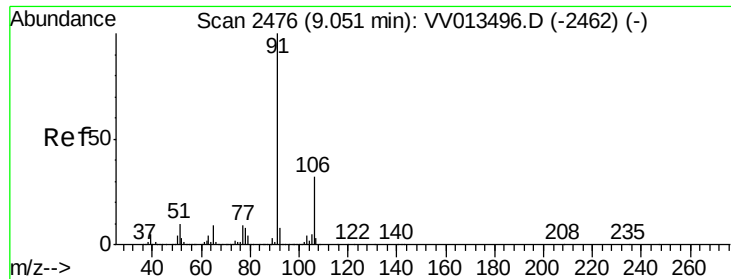
MMDadoda
11/7/2019 10:50:02 AM



#51
Chlorobenzene
Concen: 2.954 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013504.D
Acq: 06 Nov 2019 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	49428		
114	33.4	22.8	42.4	
77	59.2	46.7	70.1	





#52

Ethylbenzene

Concen: 2.648 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tgt Ion: 91 Resp: 72338

Ion Ratio Lower Upper

91 100

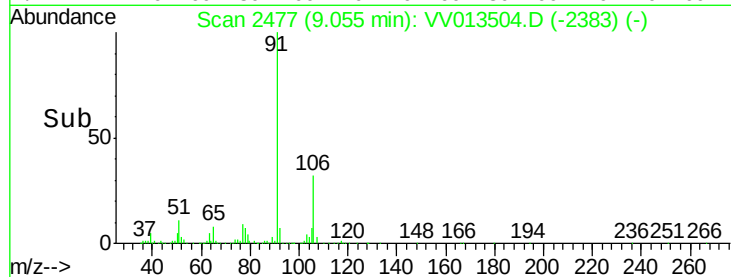
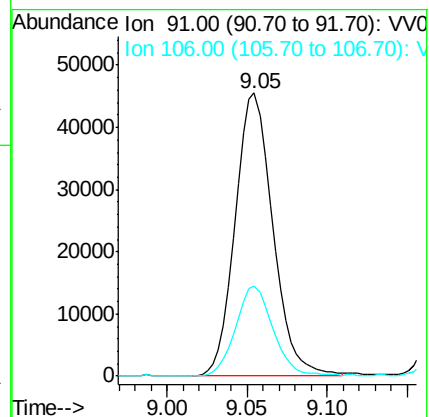
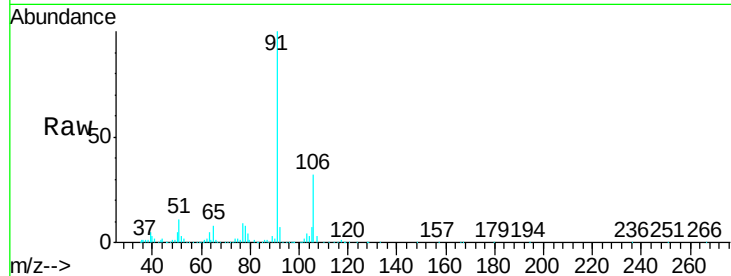
106 31.8 22.0 40.8

Manual Integrations

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11/7/2019 10:50:02 AM



#53

m,p-Xylene

Concen: 2.479 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013504.D

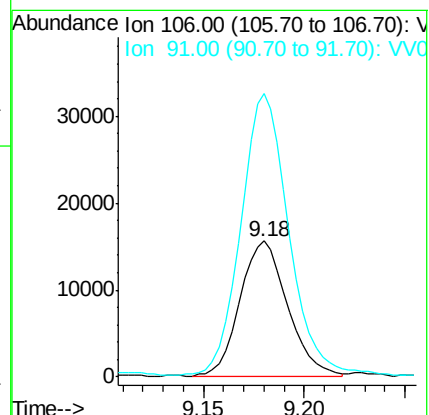
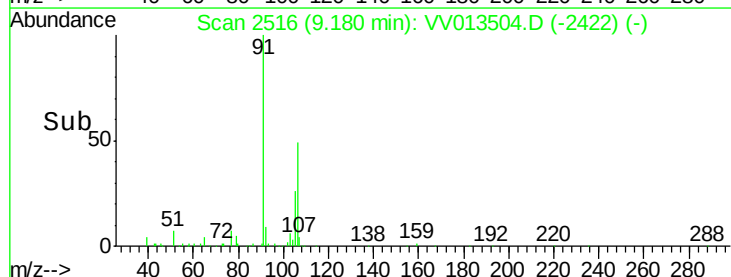
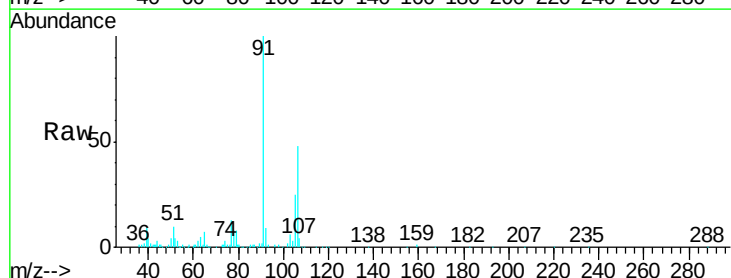
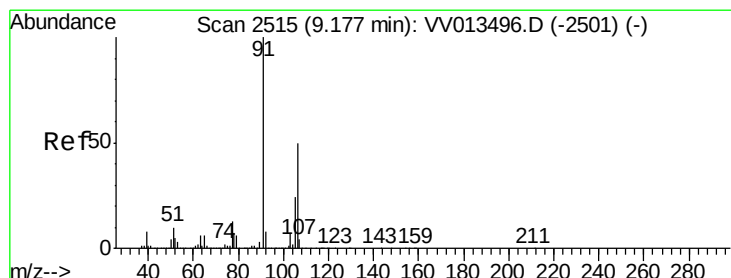
Acq: 06 Nov 2019 17:57

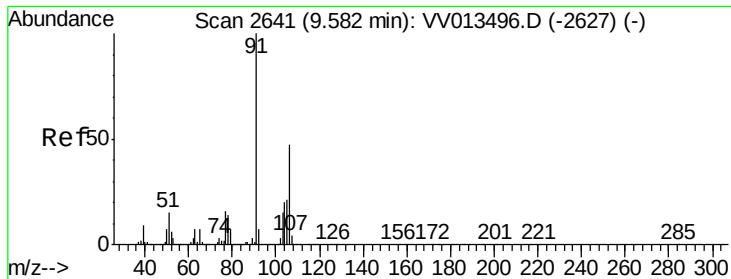
Tgt Ion: 106 Resp: 25699

Ion Ratio Lower Upper

106 100

91 208.2 141.6 263.0





#54

o-xylene

Concen: 2.596 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion:106 Resp: 25811

Ion Ratio Lower Upper

106 100

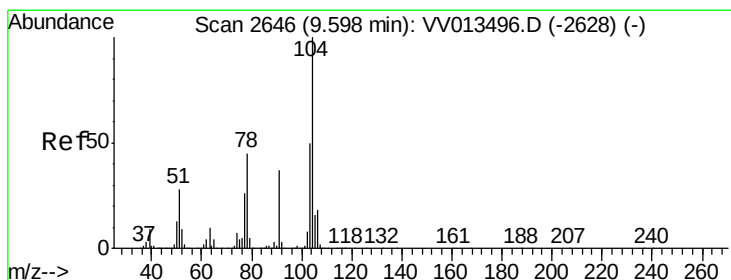
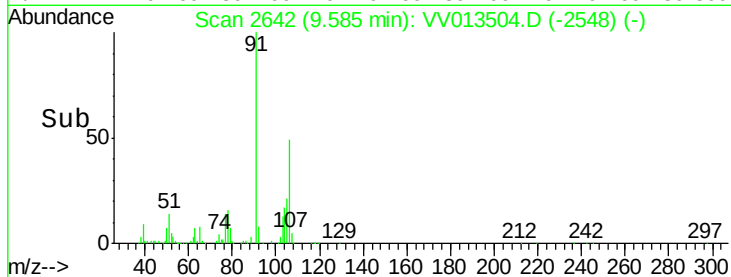
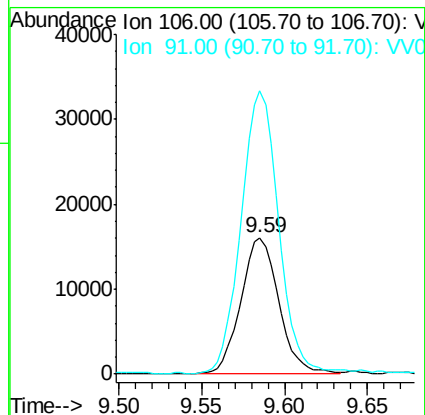
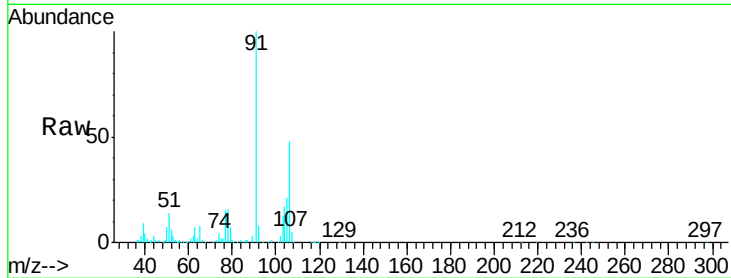
91 207.0 147.2 273.4

Manual Integrations

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11/7/2019 10:50:02 AM



#55

Styrene

Concen: 2.410 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013504.D

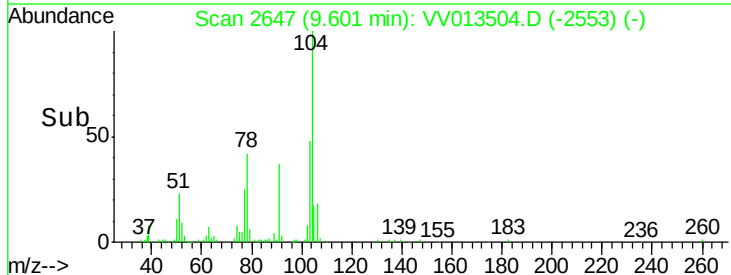
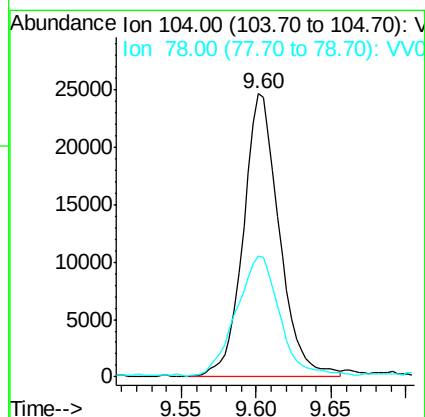
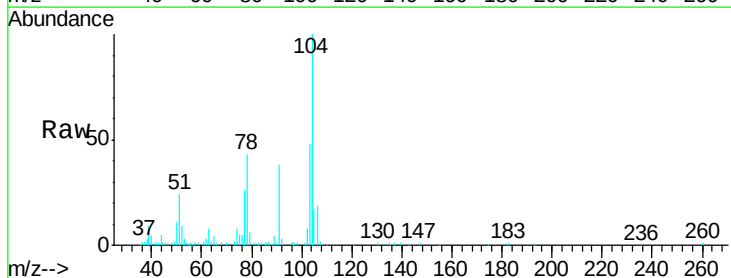
Acq: 06 Nov 2019 17:57

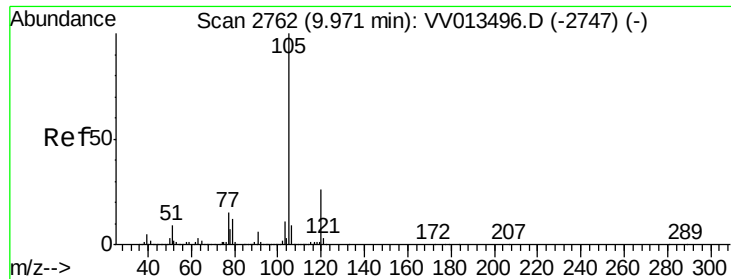
Tgt Ion:104 Resp: 41427

Ion Ratio Lower Upper

104 100

78 42.8 30.9 57.3





#56

Isopropylbenzene

Concen: 2.452 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Instrument :

MSVOA_V

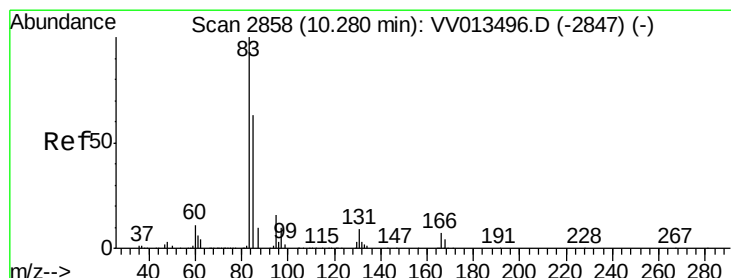
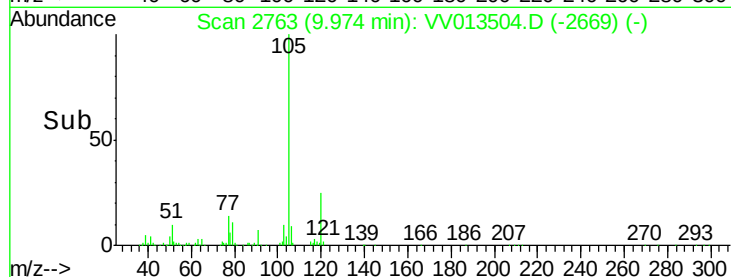
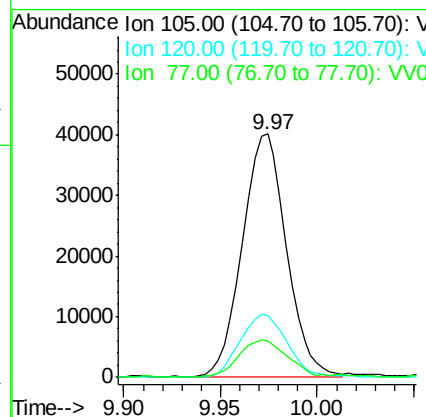
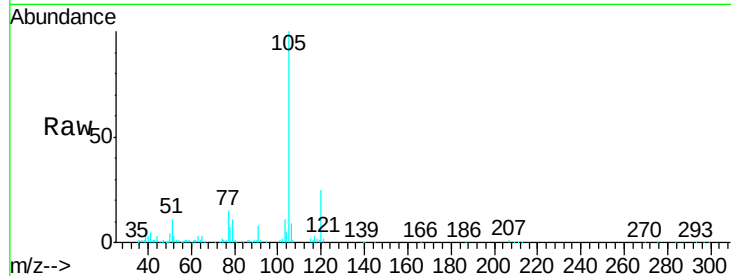
ClientSampled :

MDL07

Tgt Ion:	105	Resp:	64025
Ion Ratio	Lower	Upper	
105	100		
120	27.5	21.1	31.7
77	17.0	12.2	18.4

Manual Integrations
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MMDadoda
11/7/2019 10:50:02 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 3.070 ug/L

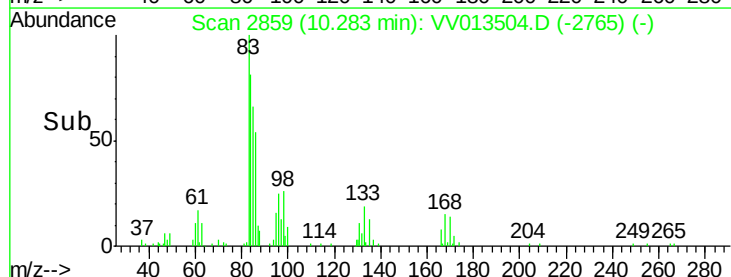
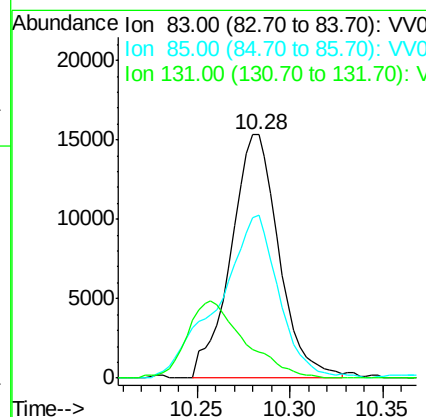
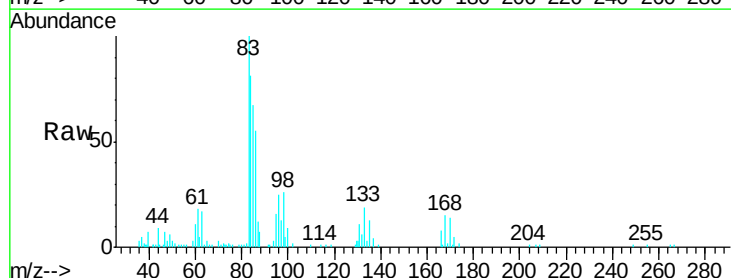
RT: 10.28 min Scan# 2859

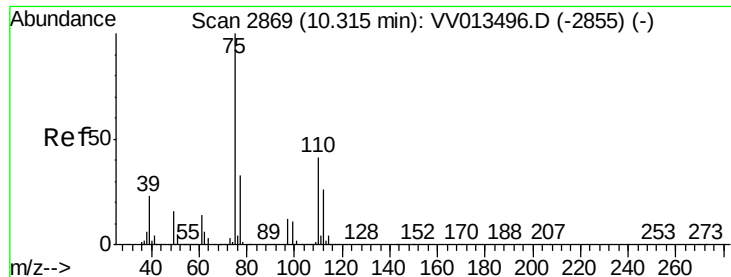
Delta R.T. 0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Tgt Ion:	83	Resp:	27597
Ion Ratio	Lower	Upper	
83	100		
85	66.8	44.0	81.6
131	10.8	7.7	11.5





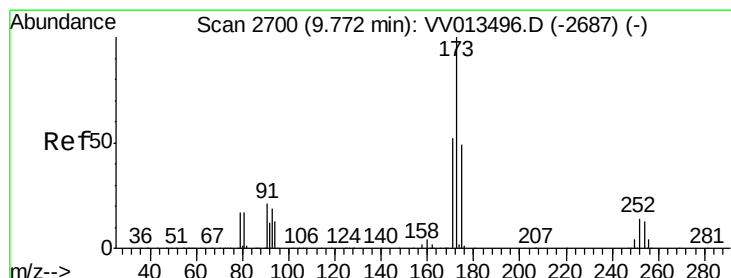
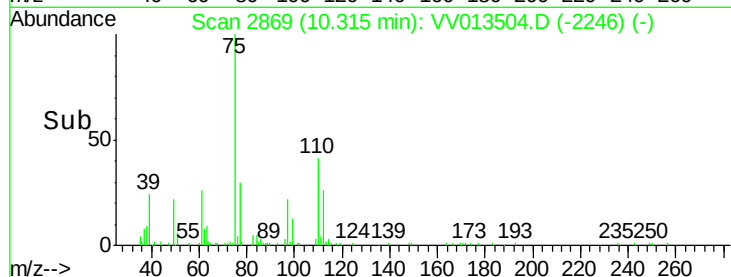
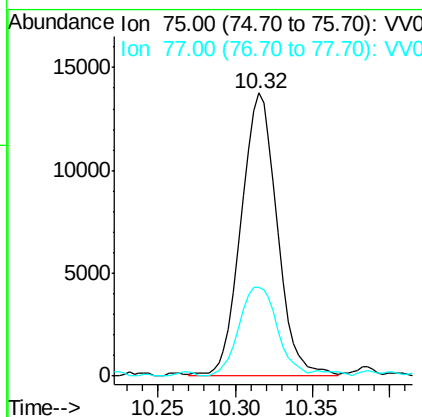
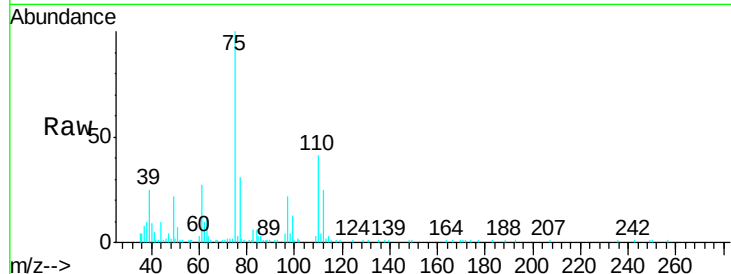
#59
1,2,3-Trichloropropane
Concen: 2.991 ug/L
RT: 10.32 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VV013504.D
Acq: 06 Nov 2019 17:57

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion: 75 Resp: 22392
Ion Ratio Lower Upper
75 100
77 33.4 25.4 38.2

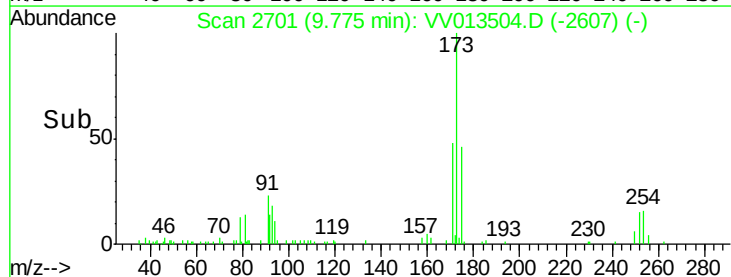
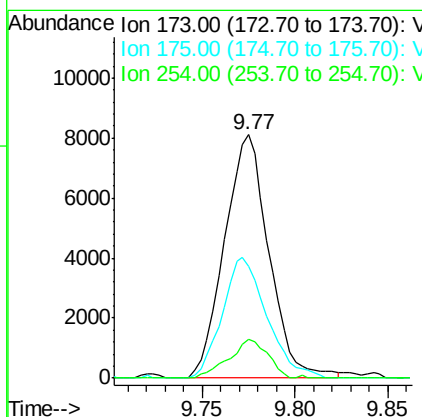
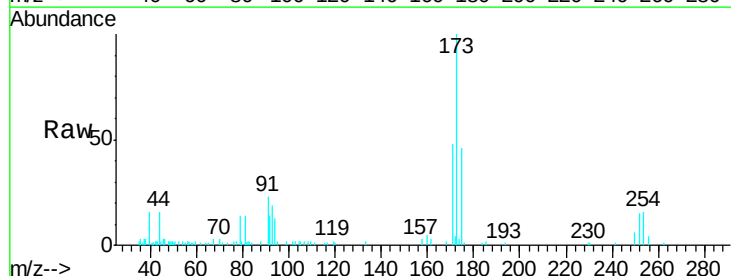
Manual Integrations
APPROVED

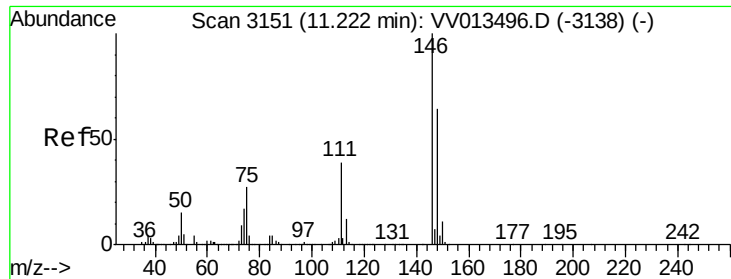
MMDadoda
11/7/2019 10:50:02 AM



#61
Bromoform
Concen: 2.886 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV013504.D
Acq: 06 Nov 2019 17:57

Tgt Ion: 173 Resp: 13476
Ion Ratio Lower Upper
173 100
175 49.8 39.0 58.4
254 13.9 10.2 15.2





#62

1,3-Dichlorobenzene

Concen: 3.051 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Instrument :

MSVOA_V

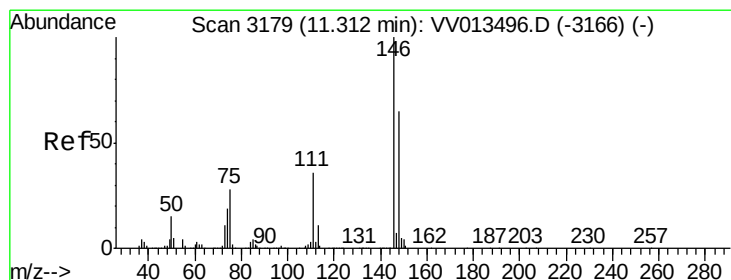
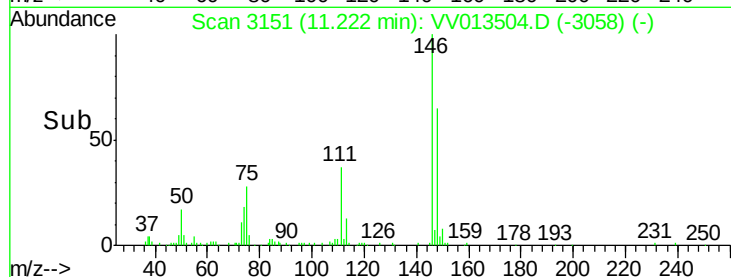
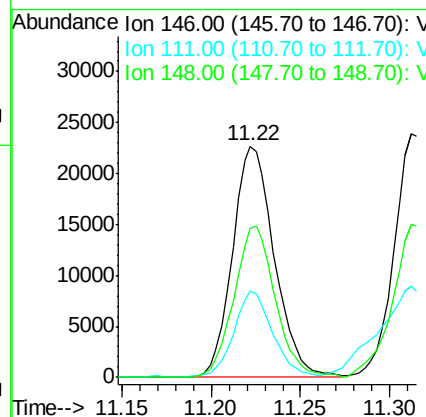
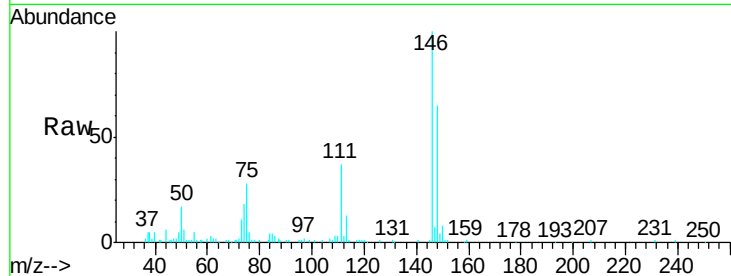
ClientSampleId :

MDL07

Tgt Ion:	146	Resp:	36828
Ion Ratio	Lower	Upper	
146	100		
111	37.1	26.4	49.0
148	64.6	44.4	82.4

Manual Integrations
APPROVED

MMDadoda
11/7/2019 10:50:02 AM



#63

1,4-Dichlorobenzene

Concen: 3.073 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013504.D

Acq: 06 Nov 2019 17:57

Tgt Ion:	146	Resp:	38424
Ion Ratio	Lower	Upper	
146	100		
111	37.2	25.5	47.3
148	62.7	44.9	83.5

