

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110619\
 Data File : VV013502.D
 Acq On : 06 Nov 2019 17:10
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0G/5mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 10:49:54 AM

Quant Time: Nov 07 03:54:55 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	902663	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	881838	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	397170	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	243409	46.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.10%
7) Chloroethane-d5	1.58	69	209890	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.56%
11) 1,1-Dichloroethene-d2	2.13	63	337330m	36.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.98%
21) 2-Butanone-d5	3.92	46	399244	102.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.15%
24) Chloroform-d	4.40	84	534137	46.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.10%
26) 1,2-Dichloroethane-d4	5.08	65	377291	50.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.76%
32) Benzene-d6	5.10	84	1152451	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.11	67	372959	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.78%
41) Toluene-d8	7.36	98	1037630	47.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.90%
43) trans-1,3-Dichloropropene-	7.66	79	166447	47.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.94%
47) 2-Hexanone-d5	8.13	63	260578	94.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.15%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	443123	46.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.46%
64) 1,2-Dichlorobenzene-d4	11.67	152	417833	52.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.54%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	18085	2.407 ug/L	96
3) Chloromethane	1.25	50	18223	2.553 ug/L	99
5) Vinyl chloride	1.32	62	17460	2.618 ug/L #	56
6) Bromomethane	1.53	94	8052m	2.517 ug/L	
8) Chloroethane	1.60	64	9621	2.575 ug/L	95
9) Trichlorofluoromethane	1.77	101	20745	2.344 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	14944	2.998 ug/L #	85
12) 1,1-Dichloroethene	2.14	96	13371m	2.810 ug/L	
13) Acetone	2.18	43	15812	4.335 ug/L	99
14) Carbon disulfide	2.32	76	40091	2.407 ug/L	97
15) Methyl Acetate	2.46	43	15572m	2.340 ug/L	
16) Methylene chloride	2.54	84	16987	2.638 ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	14706	2.482 ug/L	94
18) Methyl tert-butyl Ether	2.80	73	41214	2.281 ug/L	99
19) 1,1-Dichloroethane	3.23	63	27665	2.449 ug/L	93
20) cis-1,2-Dichloroethene	3.96	96	16021m	2.476 ug/L	
22) 2-Butanone	4.02	43	17895m	3.704 ug/L	

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 Response via : Initial Calibration

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

23) Bromochloromethane	4.30	128	7708	2.254	ug/L	95
25) Chloroform	4.42	83	57381	4.936	ug/L	99
27) 1,2-Dichloroethane	5.18	62	22872	2.568	ug/L	97
29) Cyclohexane	4.72	56	22544	2.225	ug/L #	92
30) 1,1,1-Trichloroethane	4.66	97	22851	2.328	ug/L	96
31) Carbon tetrachloride	4.87	117	19257m	2.200	ug/L	
33) Benzene	5.15	78	57370	2.291	ug/L	100
34) Trichloroethene	5.96	95	17143	2.576	ug/L	94
35) Methylcyclohexane	6.17	83	22537	2.197	ug/L	96
37) 1,2-Dichloropropane	6.22	63	15867	2.407	ug/L #	95
38) Bromodichloromethane	6.55	83	21030	2.426	ug/L #	95
39) cis-1,3-Dichloropropene	7.07	75	21386	2.136	ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	34805	4.097	ug/L	95
42) Toluene	7.43	91	63885	2.448	ug/L	93
44) trans-1,3-Dichloropropene	7.69	75	22166m	2.544	ug/L	
45) 1,1,2-Trichloroethane	7.88	97	14515	2.352	ug/L	96
46) Tetrachloroethene	8.02	164	13299	2.342	ug/L	93
48) 2-Hexanone	8.18	43	47993	7.153	ug/L #	89
49) Dibromochloromethane	8.29	129	15987	2.253	ug/L	94
50) 1,2-Dibromoethane	8.39	107	14792	2.284	ug/L	92
51) Chlorobenzene	8.92	112	41038	2.366	ug/L	99
52) Ethylbenzene	9.05	91	58410	2.063	ug/L	96
53) m,p-Xylene	9.18	106	22926	2.134	ug/L	92
54) o-xylene	9.59	106	21063	2.044	ug/L	94
55) Styrene	9.60	104	32660	1.833	ug/L	96
56) Isopropylbenzene	9.97	105	51985	1.921	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	23278	2.498	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	19141	2.467	ug/L	99
61) Bromoform	9.77	173	11225	2.410	ug/L	96
62) 1,3-Dichlorobenzene	11.22	146	30702	2.551	ug/L	96
63) 1,4-Dichlorobenzene	11.31	146	30527	2.448	ug/L	94
65) 1,2-Dichlorobenzene	11.68	146	32666	2.710	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	4872	2.930	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.69	180	22927	2.438	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	18715m	2.272	ug/L	
69) Naphthalene	13.55	128	44515m	2.022	ug/L	
70) 1,2,3-Trichlorobenzene	13.79	180	19995m	2.285	ug/L	

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

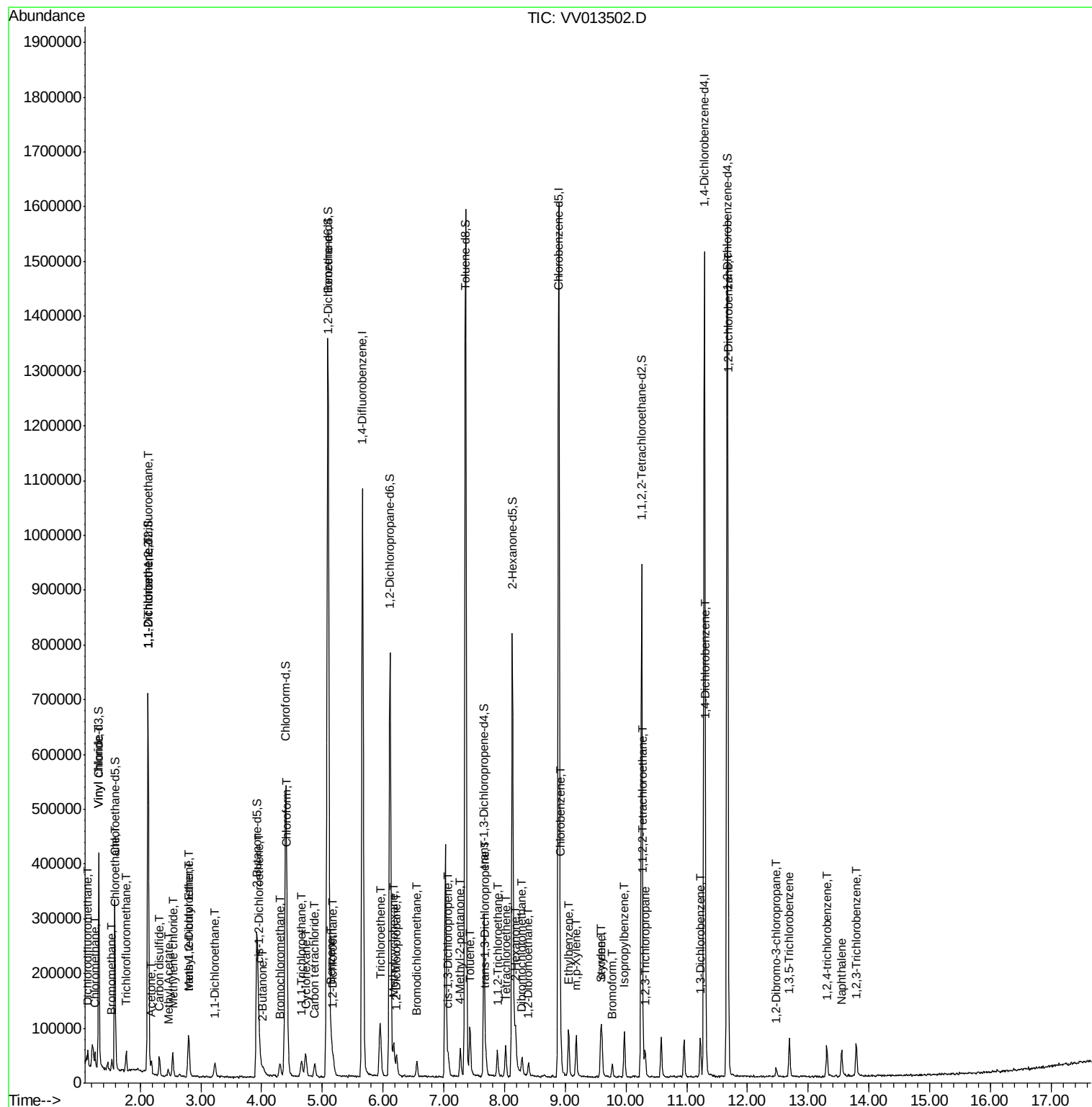
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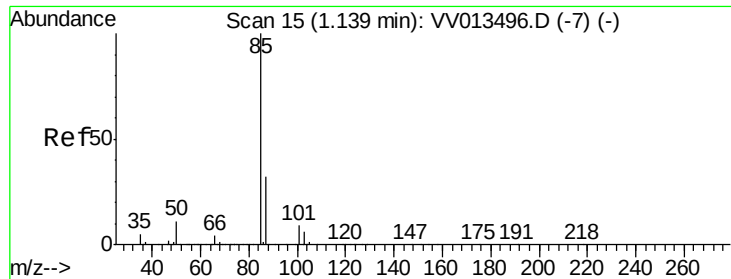
Instrument :
MSVOA_V
ClientSampleId :
MDL05

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#2

Dichlorodifluoromethane

Concen: 2.407 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 85 Resp: 18085

Ion Ratio Lower Upper

85 100

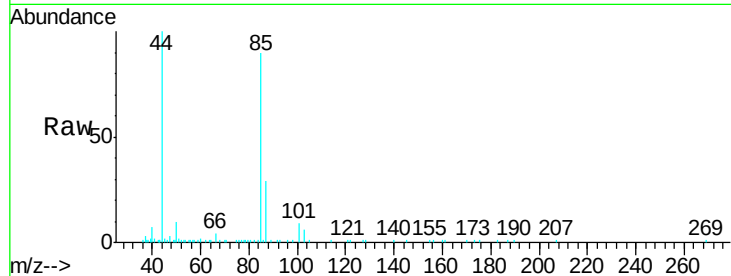
87 29.5 25.4 38.0

Manual Integrations

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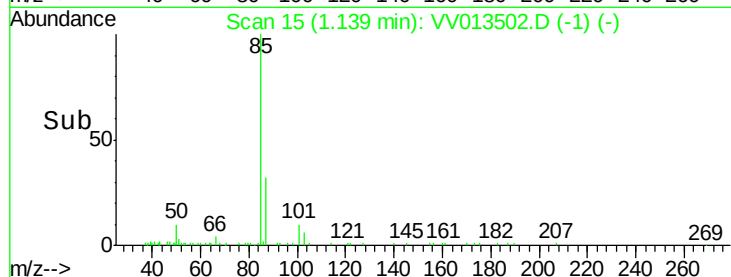
Abundance Ion 85.00 (84.70 to 85.70): VV013496.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV013496.D (-7) (-)

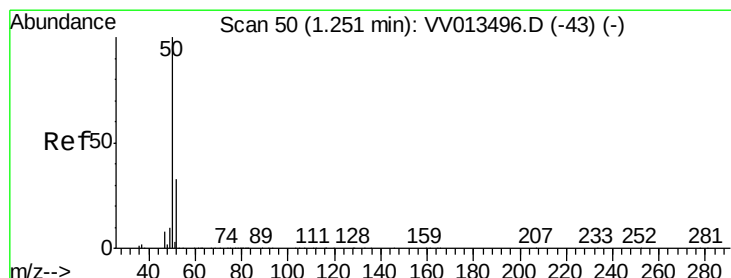
1.14

1.15

1.20



Time-->



#3

Chloromethane

Concen: 2.553 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013502.D

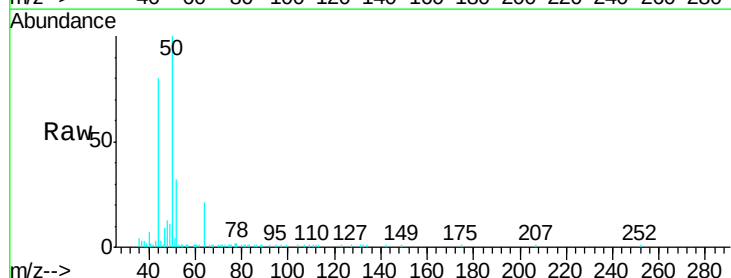
Acq: 06 Nov 2019 17:10

Tgt Ion: 50 Resp: 18223

Ion Ratio Lower Upper

50 100

52 31.8 22.5 41.9

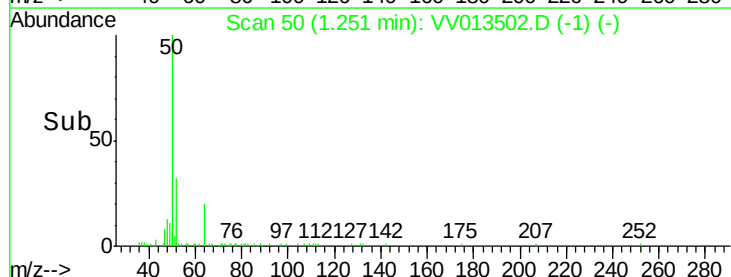


Abundance Ion 50.00 (49.70 to 50.70): VV013496.D (-43) (-)

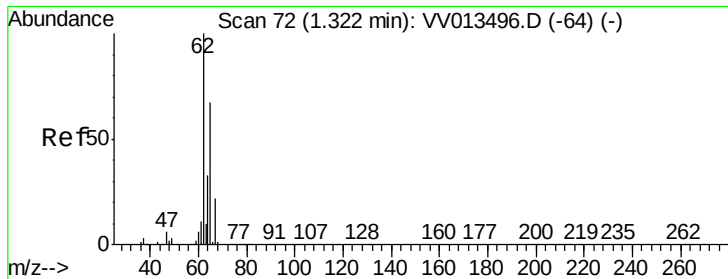
Ion 52.00 (51.70 to 52.70): VV013496.D (-43) (-)

1.25

1.30



Time-->



#5

Vinyl chloride

Concen: 2.618 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 62 Resp: 17460

Ion Ratio Lower Upper

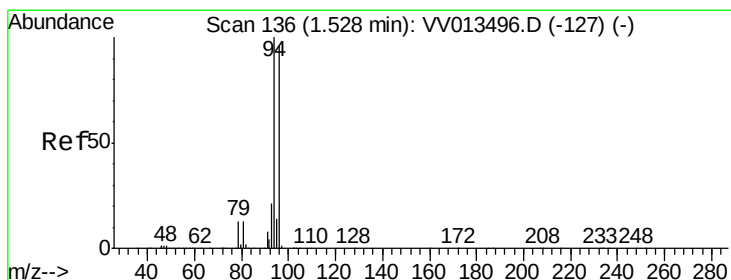
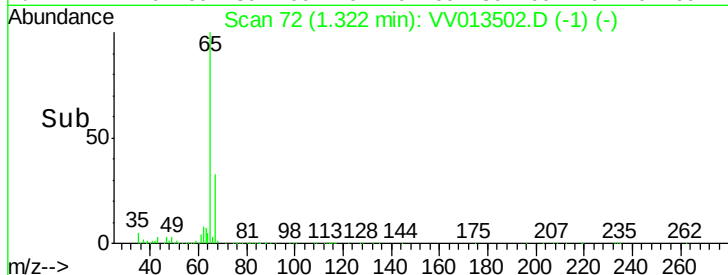
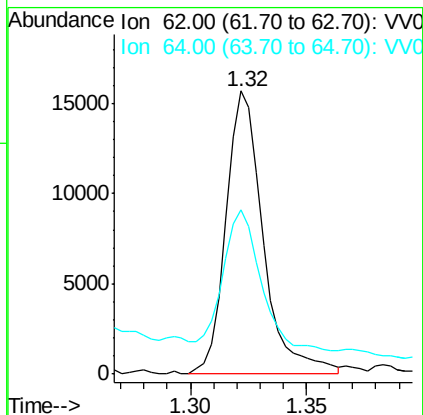
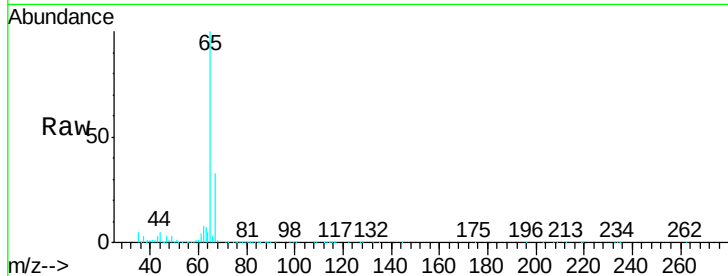
62 100

64 58.0 23.1 42.9#

Manual Integrations
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#6

Bromomethane

Concen: 2.517 ug/L m

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013502.D

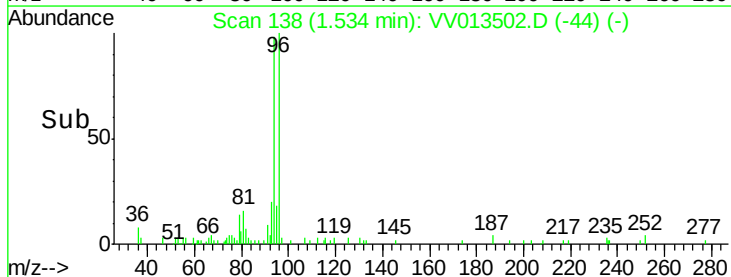
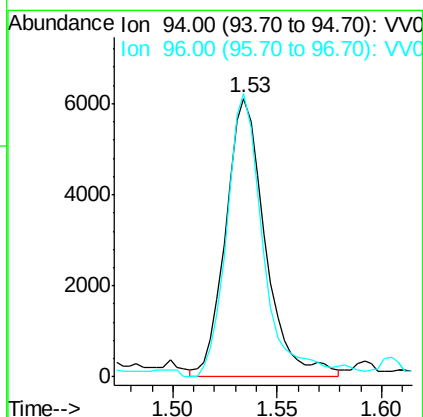
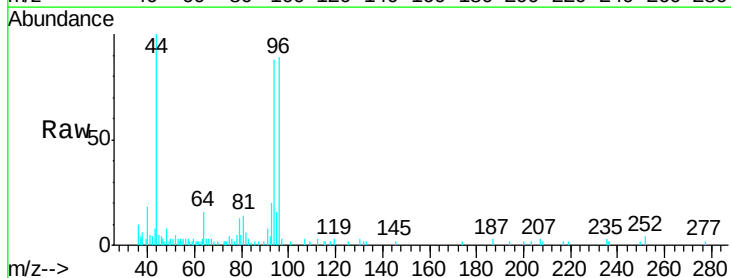
Acq: 06 Nov 2019 17:10

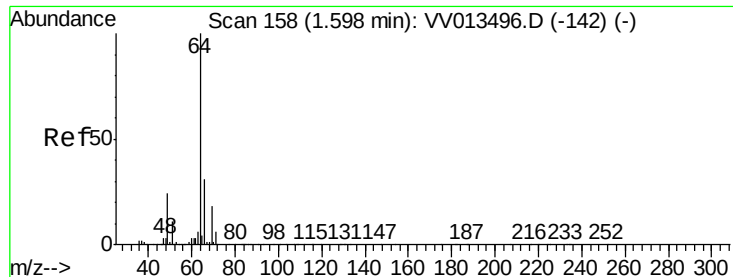
Tgt Ion: 94 Resp: 8052

Ion Ratio Lower Upper

94 100

96 101.6 67.4 125.2





#8

Chloroethane

Concen: 2.575 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Instrument :

MSVOA_V

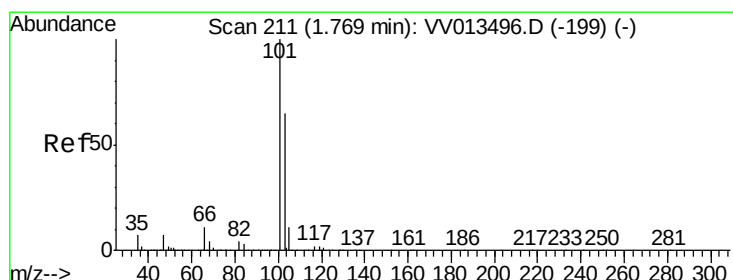
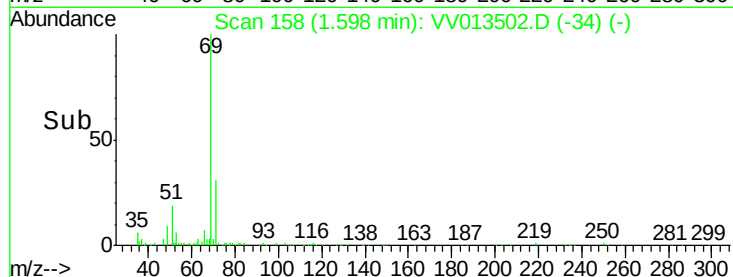
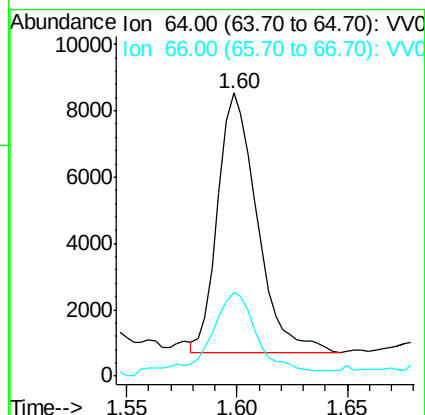
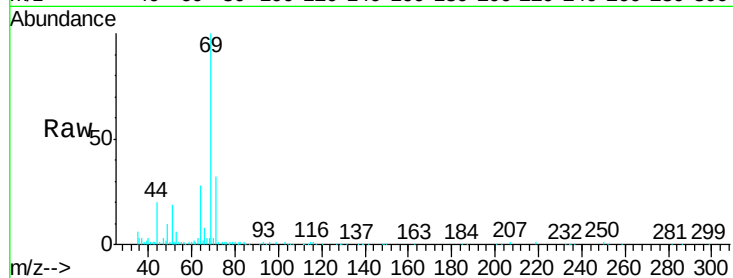
ClientSampleId :

MDL05

Tgt Ion	Ratio	Lower	Upper
64	100		
66	29.4	22.5	41.9

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#9

Trichlorofluoromethane

Concen: 2.344 ug/L

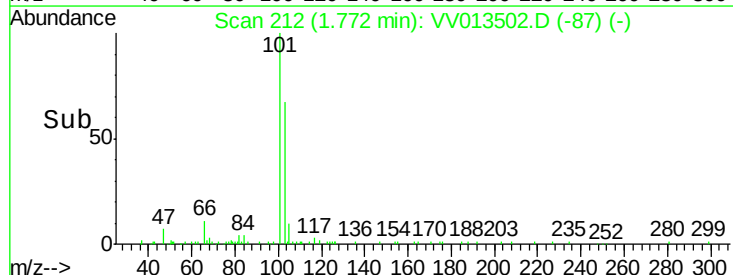
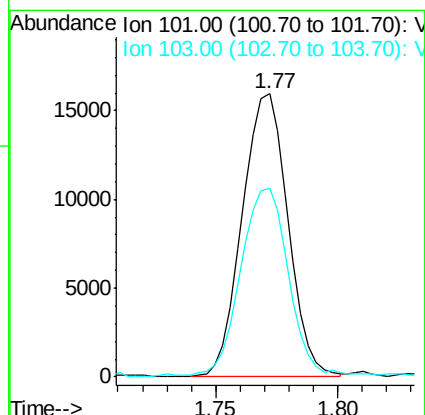
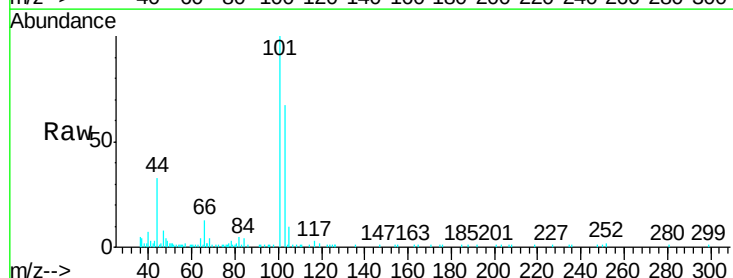
RT: 1.77 min Scan# 212

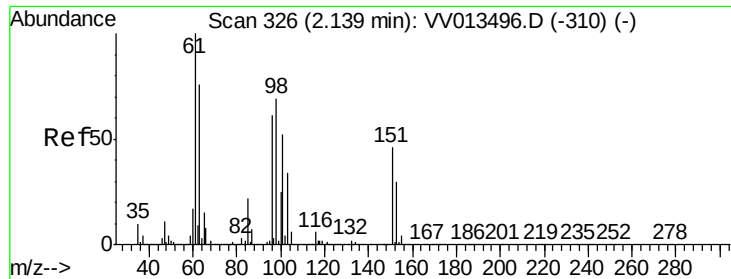
Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Tgt Ion	Ratio	Lower	Upper
101	100		
103	69.4	52.5	78.7





#10

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

Concen: 2.998 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Instrument :

MSVOA_V

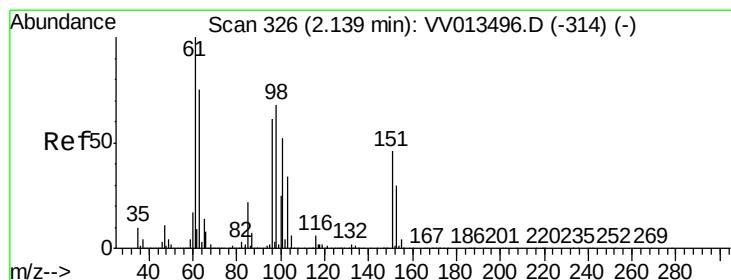
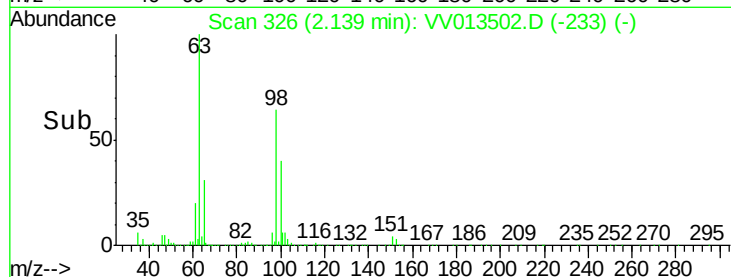
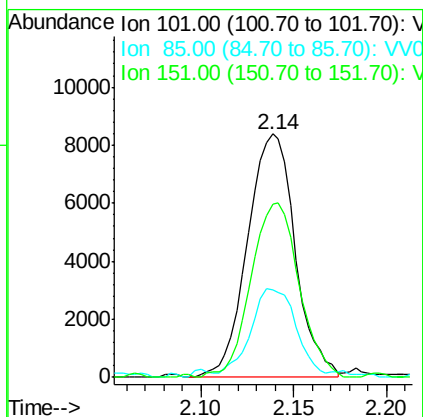
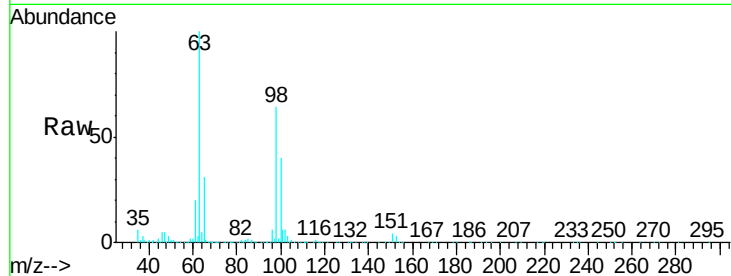
ClientSampleId :

MDL05

Tgt Ion:	101	Resp:	14944
Ion Ratio	Lower	Upper	
101	100		
85	33.1	33.3	49.9#
151	71.7	69.5	104.3

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#12

1,1-Dichloroethene

Concen: 2.810 ug/L m

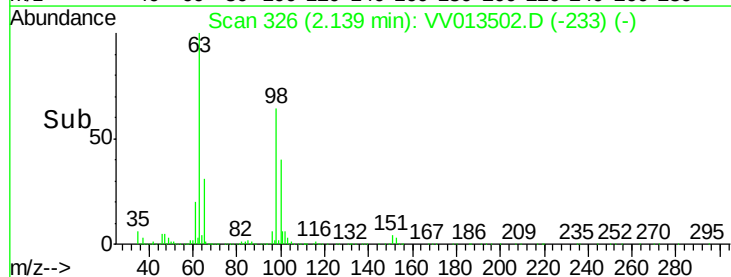
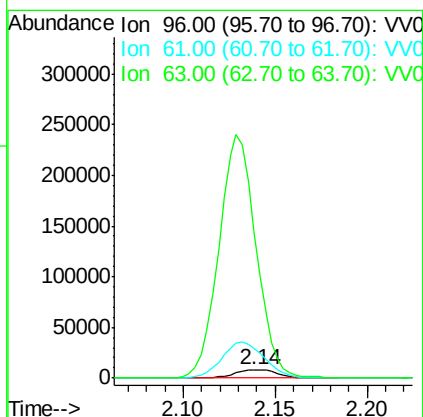
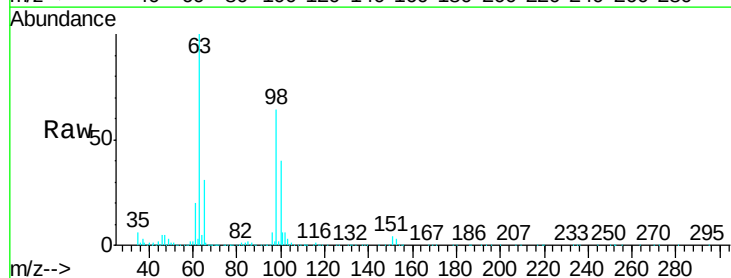
RT: 2.14 min Scan# 326

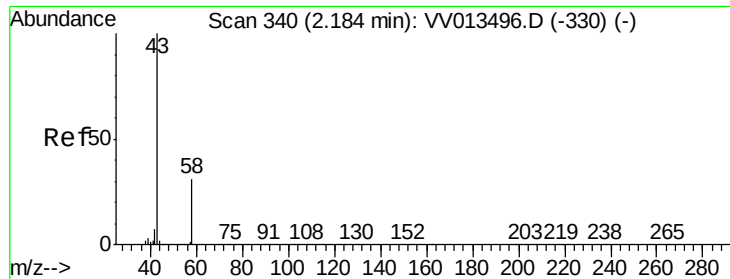
Delta R.T. -0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Tgt Ion:	96	Resp:	13371
Ion Ratio	Lower	Upper	
96	100		
61	356.4	116.9	217.1#
63	1755.0	91.5	169.9#





#13

Acetone

Concen: 4.335 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 43 Resp: 15812

Ion Ratio Lower Upper

43 100

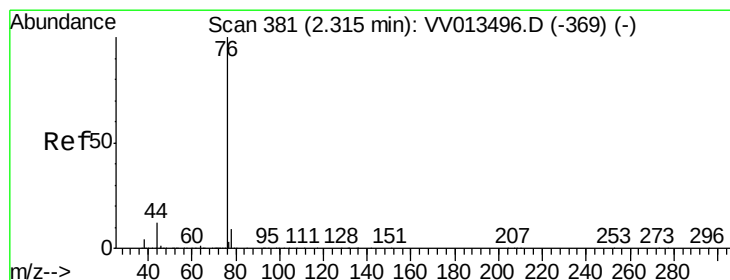
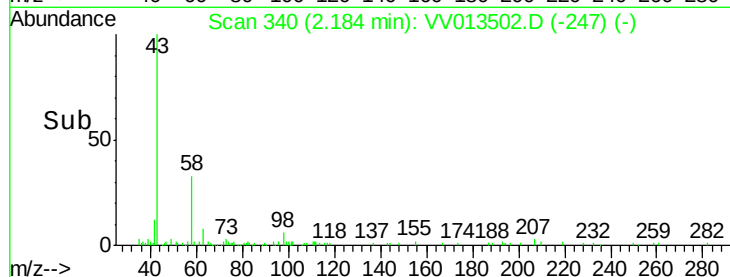
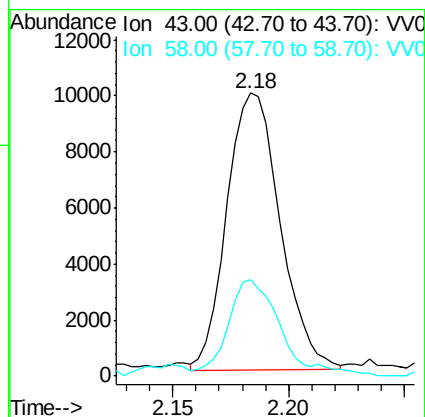
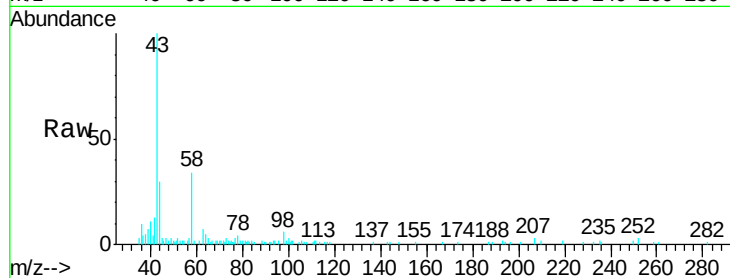
58 32.2 0.0 65.2

Manual Integrations

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#14

Carbon disulfide

Concen: 2.407 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV013502.D

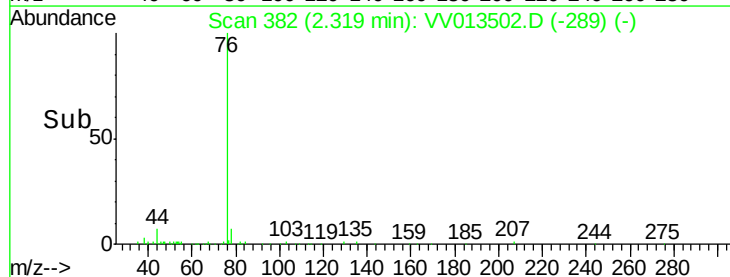
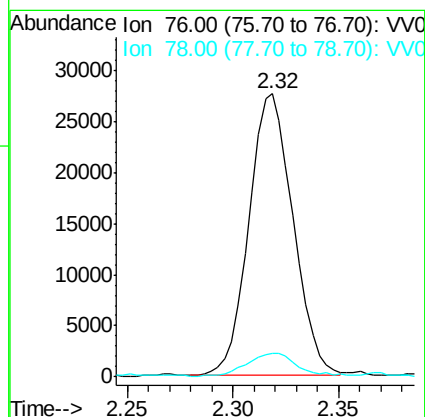
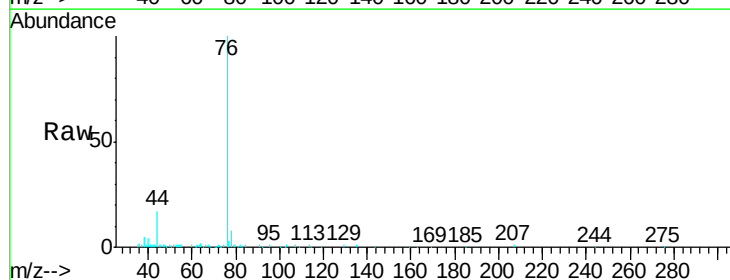
Acq: 06 Nov 2019 17:10

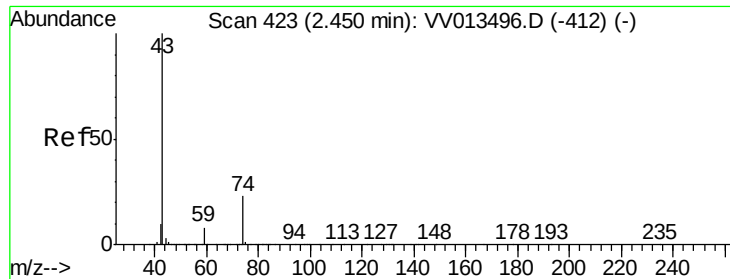
Tgt Ion: 76 Resp: 40091

Ion Ratio Lower Upper

76 100

78 8.2 7.3 10.9





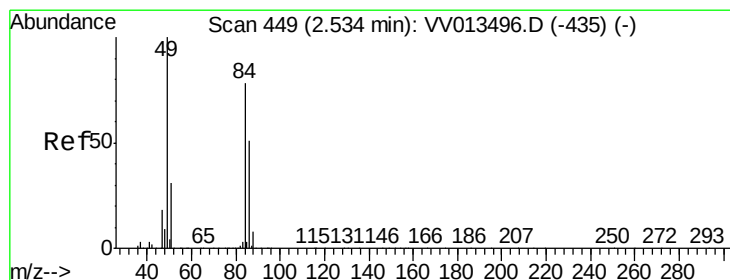
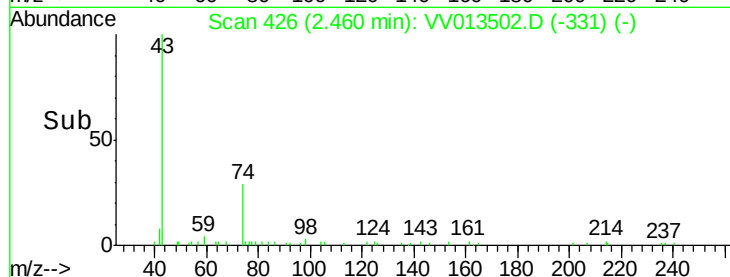
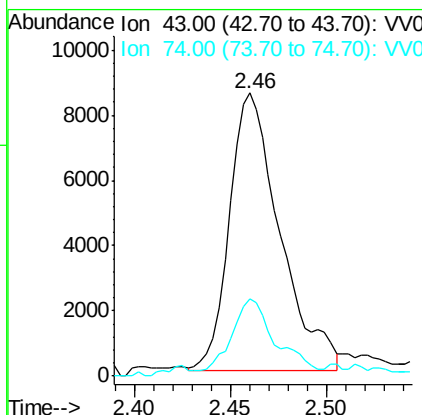
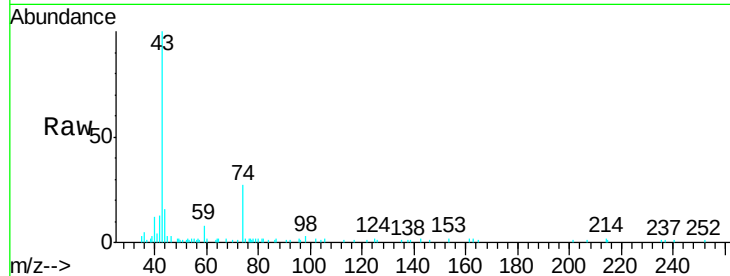
#15
Methyl Acetate
Concen: 2.340 ug/L m
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV013502.D
Acq: 06 Nov 2019 17:10

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion: 43 Resp: 15572
Ion Ratio Lower Upper
43 100
74 17.6 17.7 26.5#

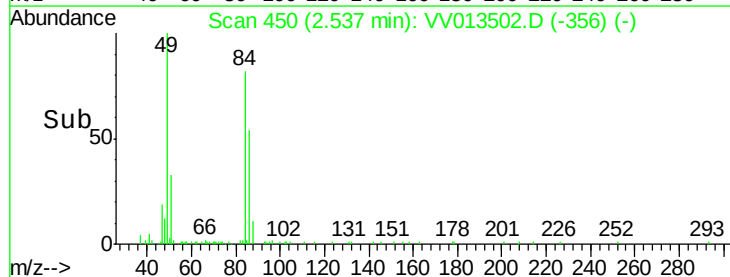
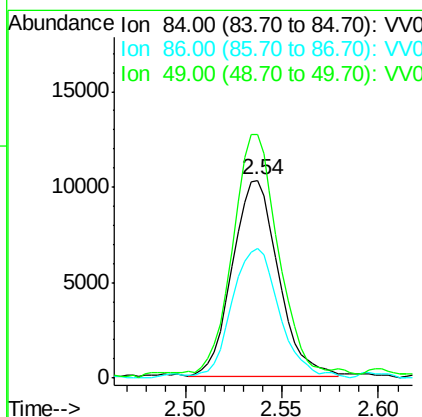
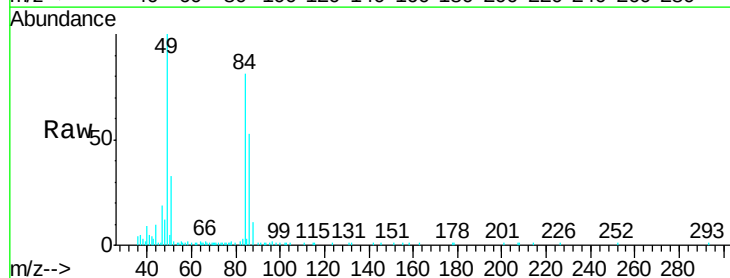
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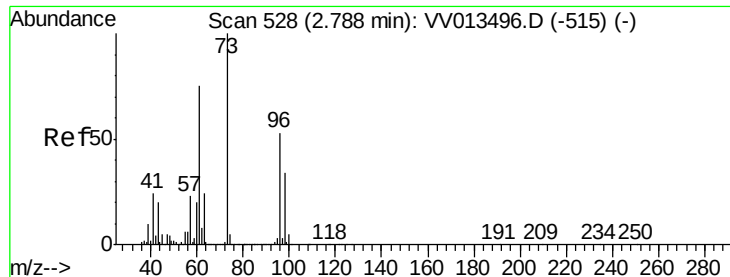
MMDadoda
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#16
Methylene chloride
Concen: 2.638 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 17:10

Tgt Ion: 84 Resp: 16987
Ion Ratio Lower Upper
84 100
86 65.6 44.7 83.1
49 122.9 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 2.482 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Instrument :

MSVOA_V

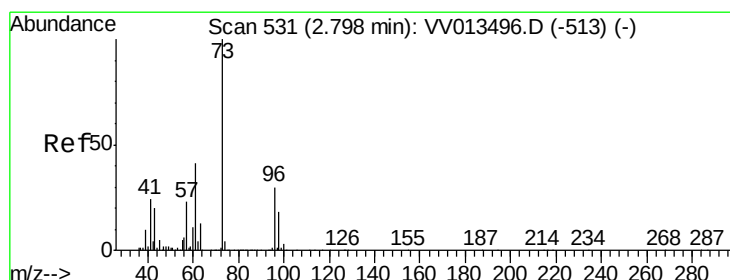
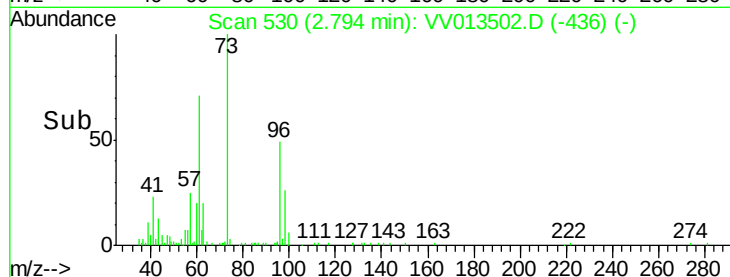
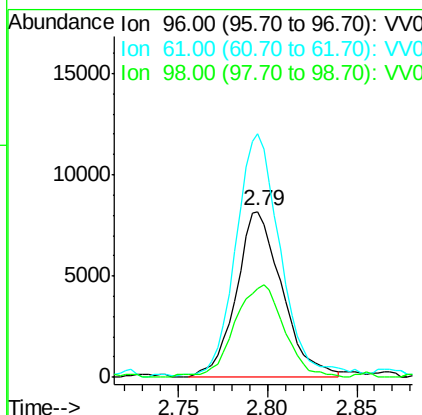
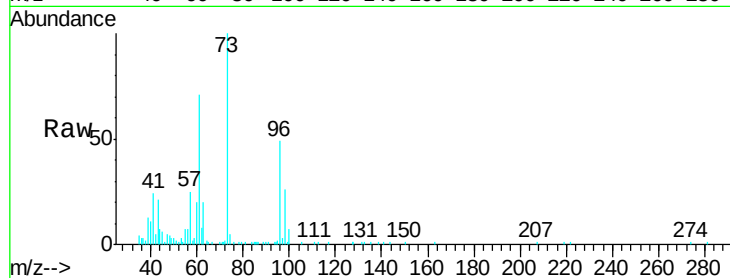
ClientSampleId :

MDL05

Tgt Ion:	96	Resp:	14706
Ion	Ratio	Lower	Upper
96	100		
61	146.8	100.4	186.6
98	53.9	44.7	83.1

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#18

Methyl tert-butyl Ether

Concen: 2.281 ug/L

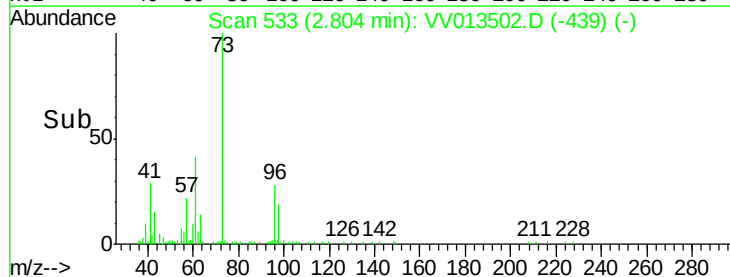
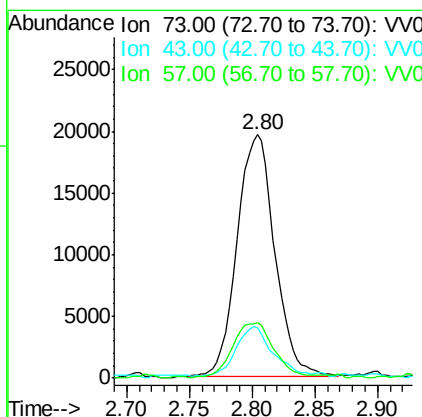
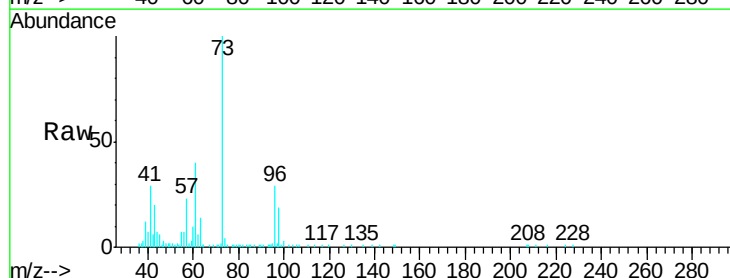
RT: 2.80 min Scan# 533

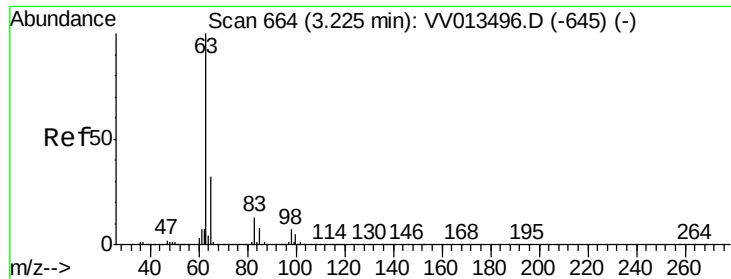
Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Tgt Ion:	73	Resp:	41214
Ion	Ratio	Lower	Upper
73	100		
43	19.4	15.7	23.5
57	23.6	18.1	27.1





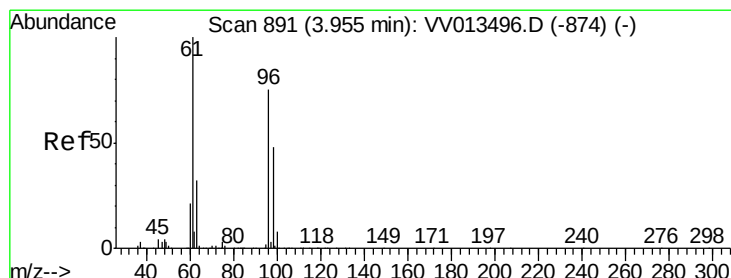
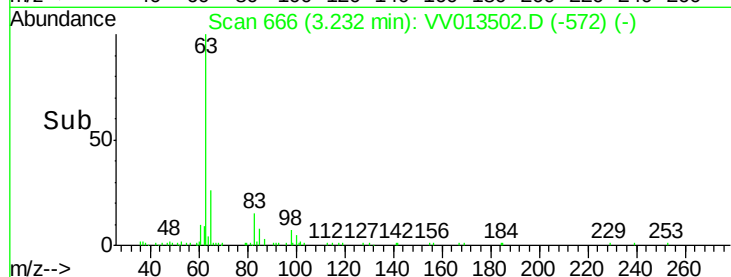
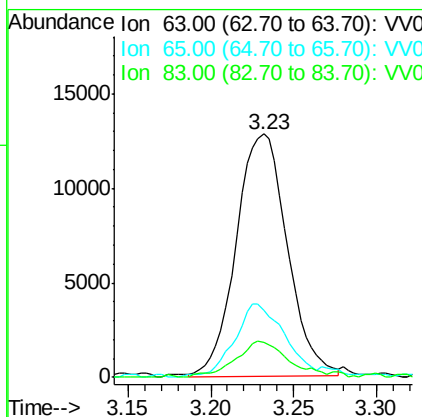
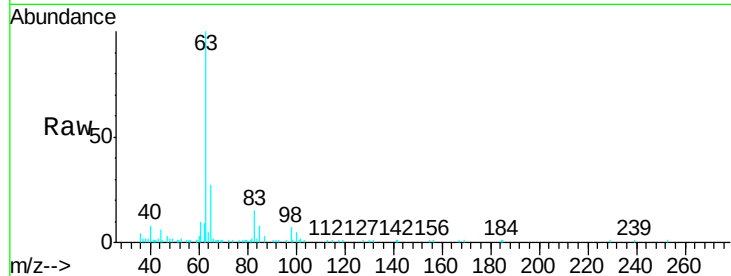
#19
1,1-Dichloroethane
Concen: 2.449 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 17:10

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion	Ratio	Resp Lower	Upper
63	100		
65	27.4	22.2	41.2
83	14.5	8.9	16.5

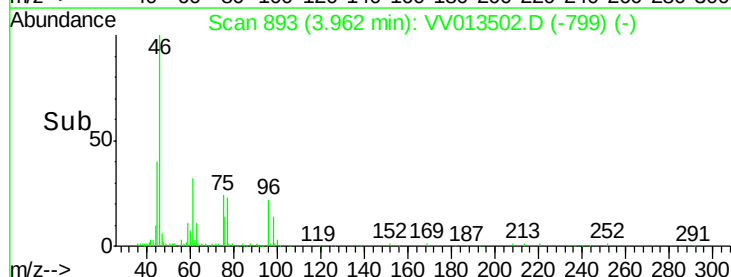
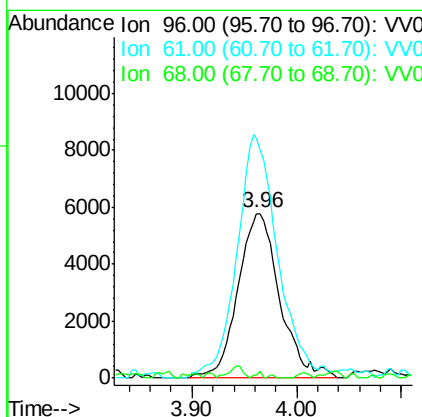
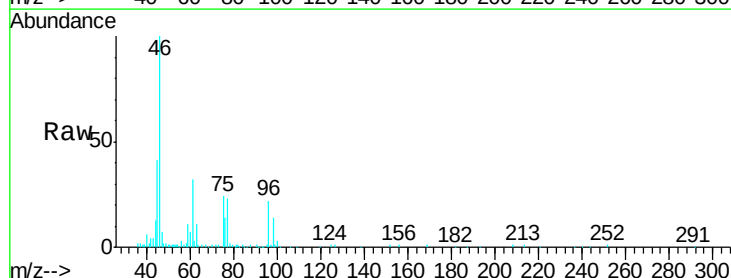
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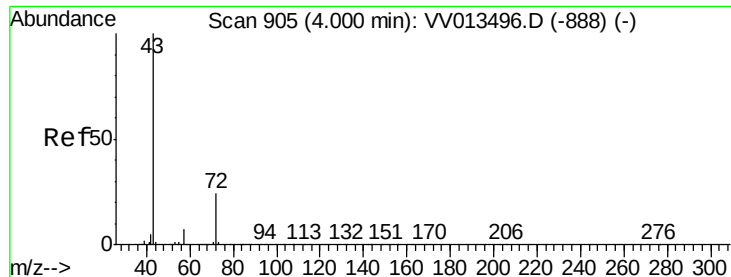
MMDadoda
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#20
cis-1,2-Dichloroethene
Concen: 2.476 ug/L m
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 17:10

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	145.7	92.1	171.1
68	2.2	0.0	0.0#





#22

2-Butanone

Concen: 3.704 ug/L m

RT: 4.02 min Scan# 911

Delta R.T. 0.02 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 43 Resp: 17895

Ion Ratio Lower Upper

43 100

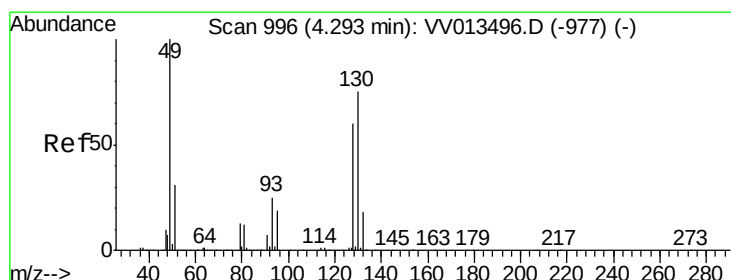
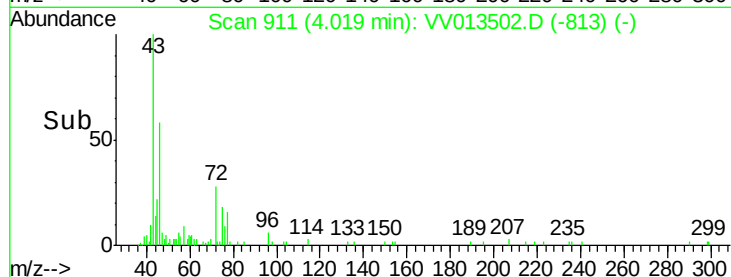
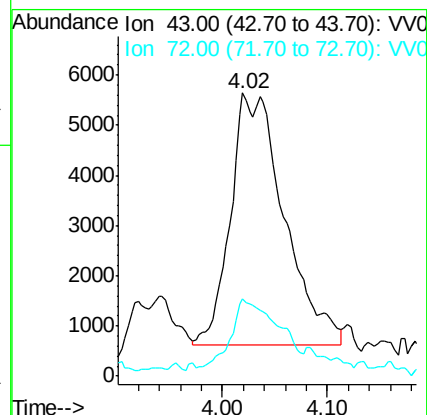
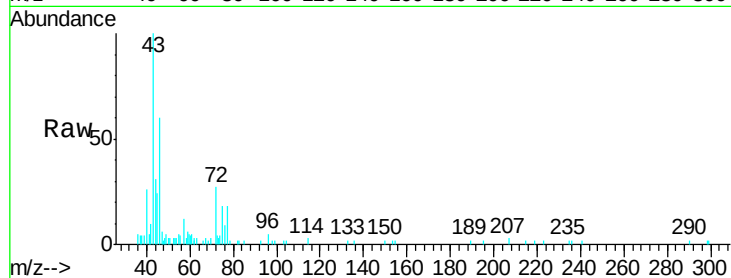
72 20.4 12.3 36.9

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#23

Bromochloromethane

Concen: 2.254 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.01 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Tgt Ion: 128 Resp: 7708

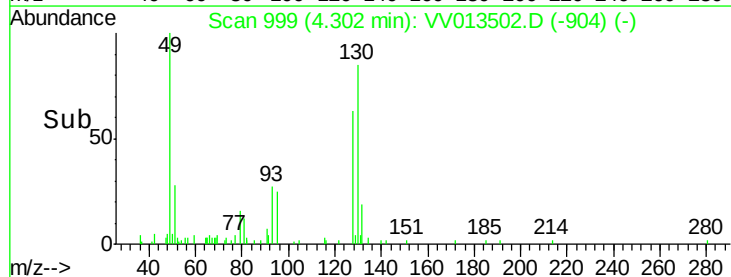
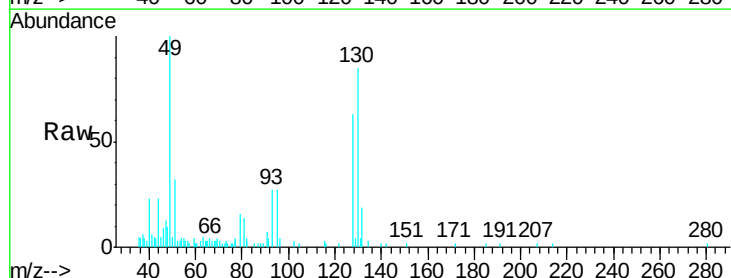
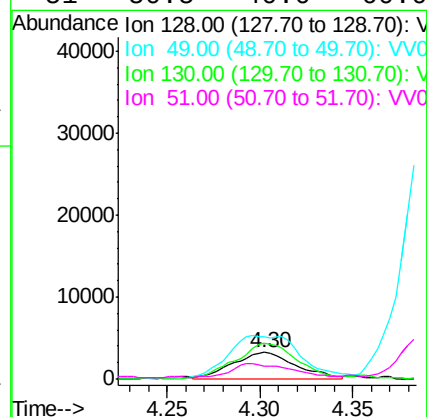
Ion Ratio Lower Upper

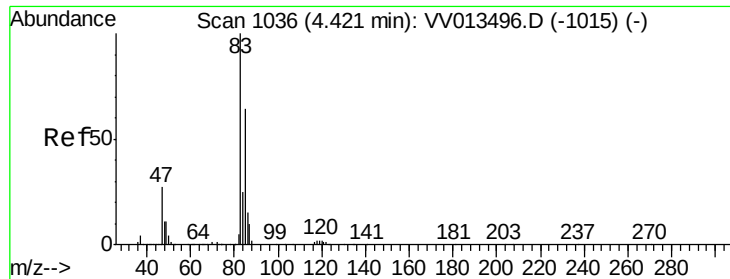
128 100

49 159.9 115.8 215.2

130 136.7 89.1 165.5

51 50.5 40.0 60.0





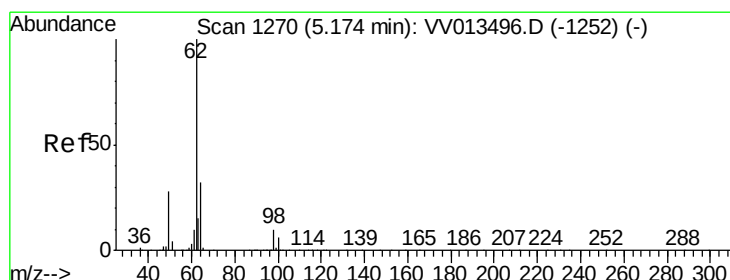
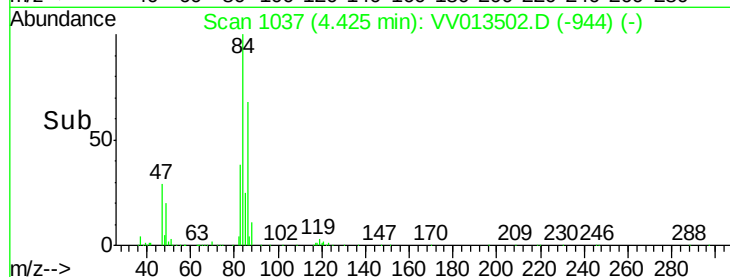
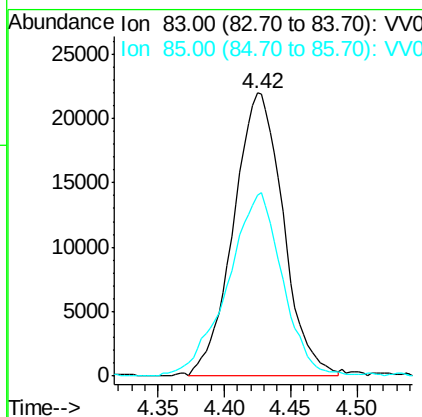
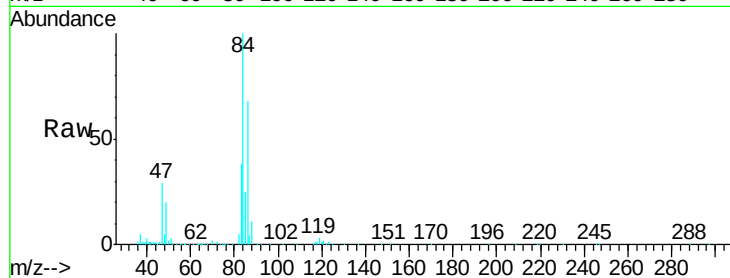
#25
Chloroform
Concen: 4.936 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 17:10

Instrument :
MSVOA_V
ClientSampleID :
MDL05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	44.4	82.5

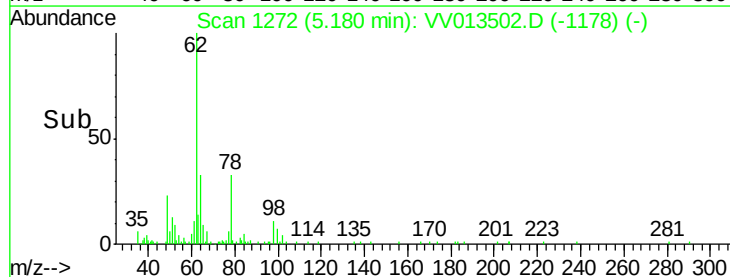
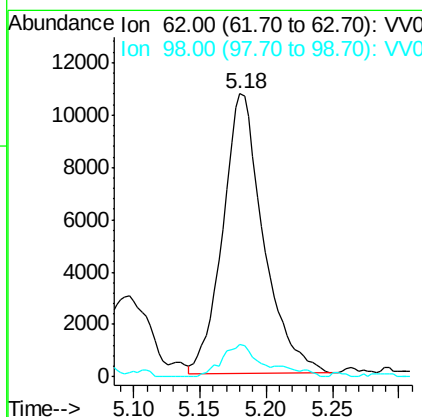
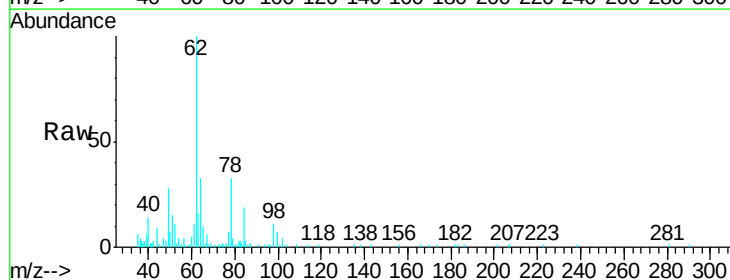
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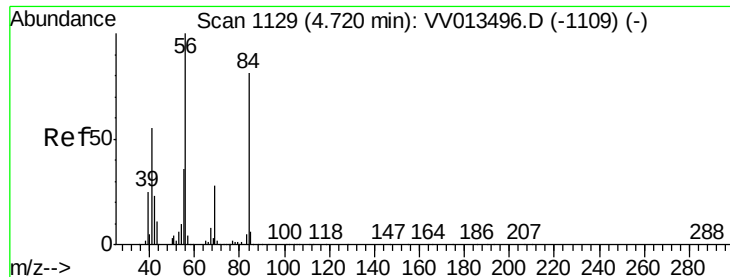
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.568 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 17:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.4	8.2	12.4





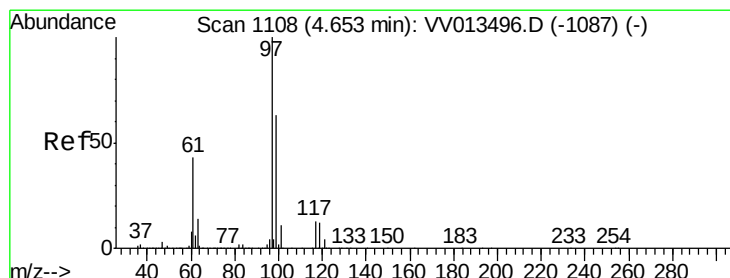
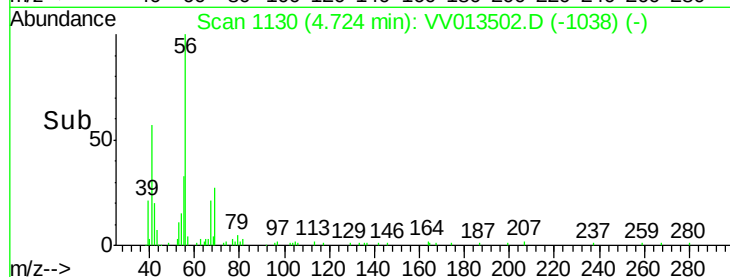
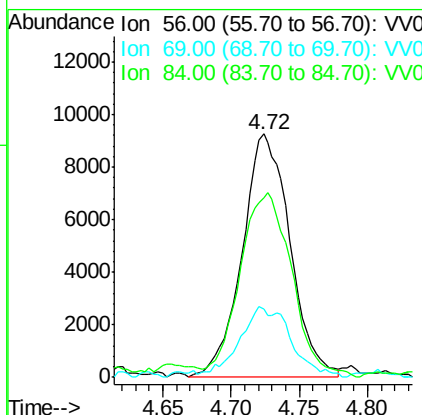
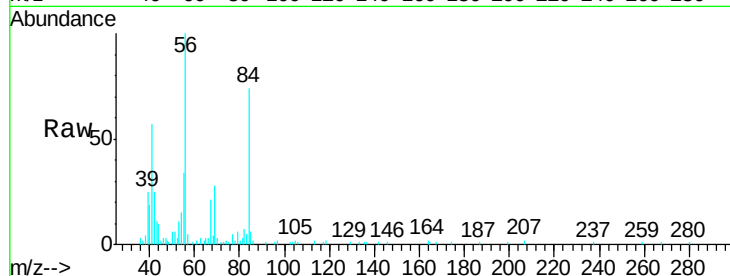
#29
Cyclohexane
Concen: 2.225 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 17:10

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion	Ratio	Lower	Upper
56	100		
69	14.2	23.7	35.5#
84	82.4	66.3	99.5

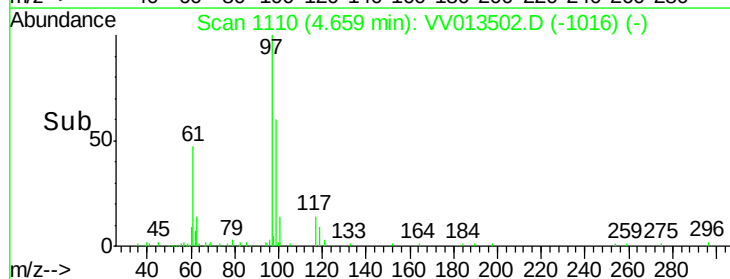
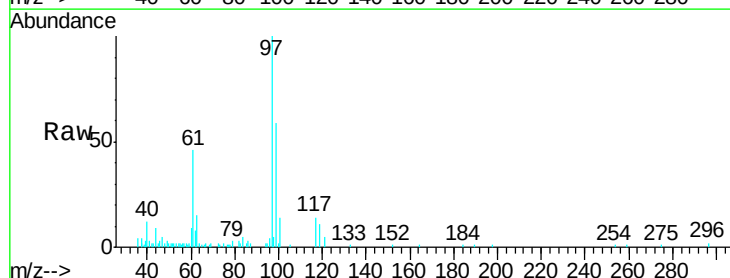
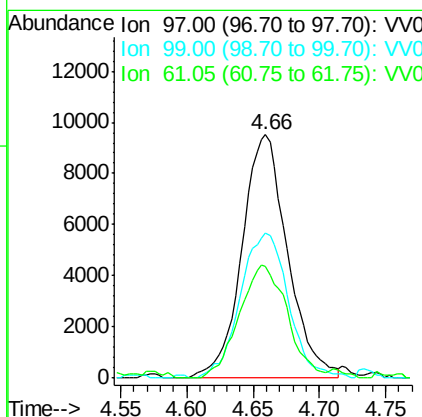
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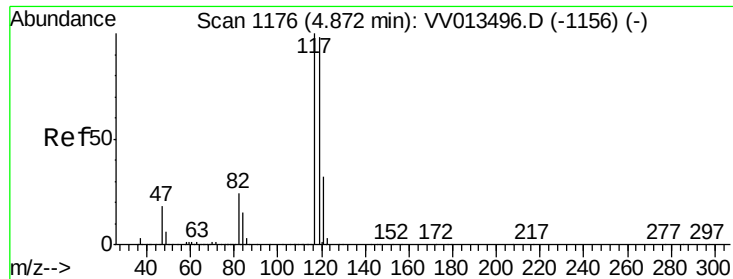
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 2.328 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 17:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	52.0	78.0
61	48.7	35.8	53.8





#31

Carbon tetrachloride

Concen: 2.200 ug/L m

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion:117 Resp: 19257

Ion Ratio Lower Upper

117 100

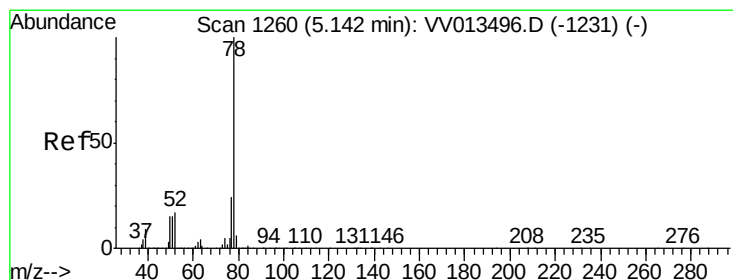
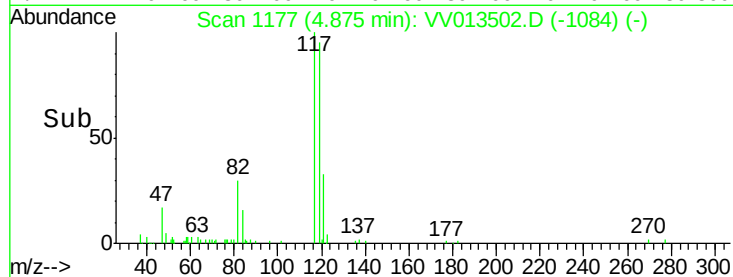
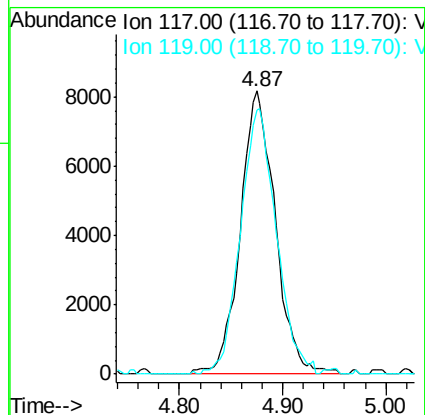
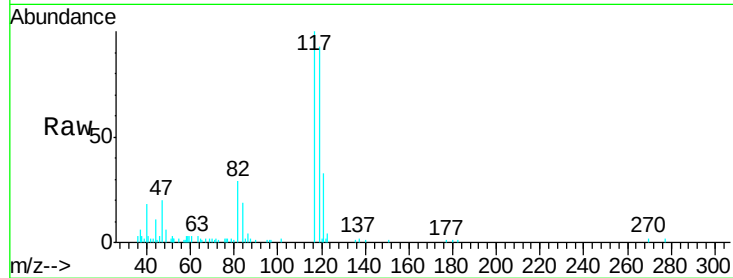
119 95.6 77.6 116.4

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#33

Benzene

Concen: 2.291 ug/L

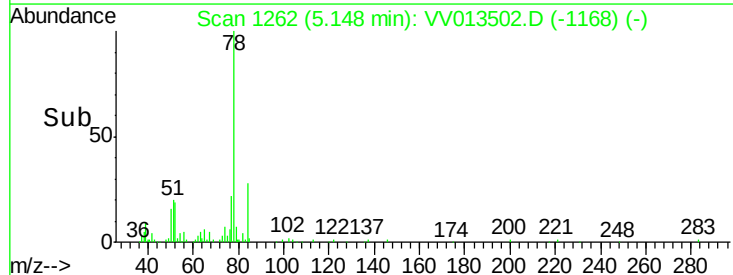
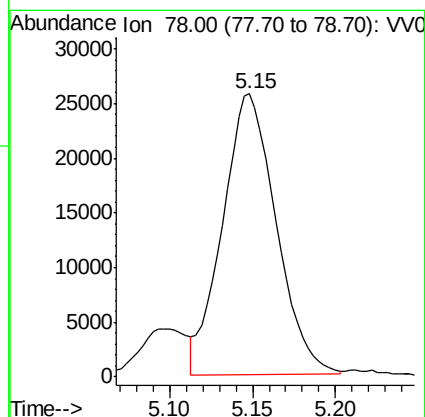
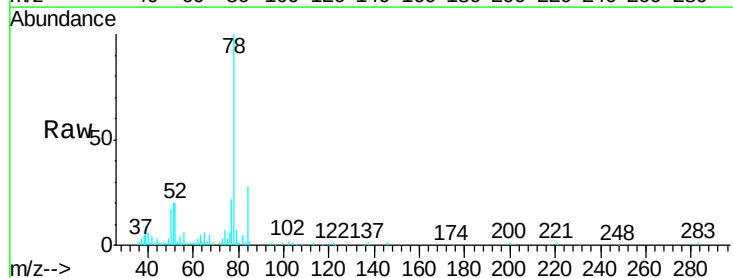
RT: 5.15 min Scan# 1262

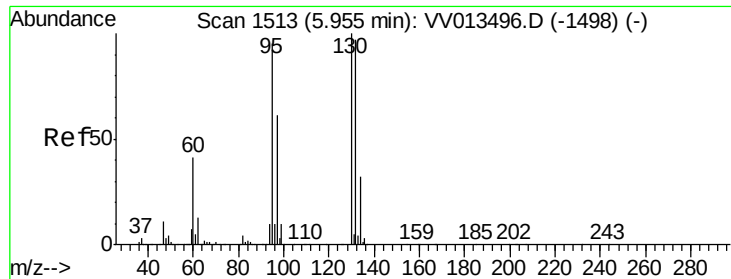
Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Tgt Ion: 78 Resp: 57370





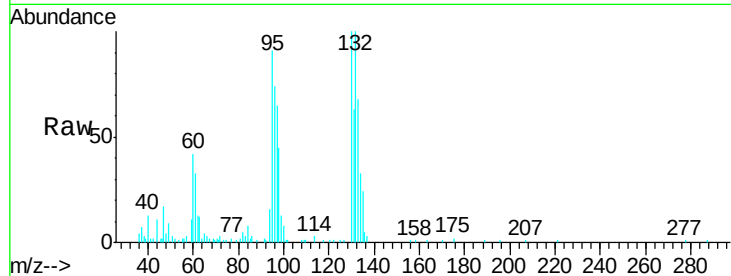
#34
 Trichloroethene
 Concen: 2.576 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 17:10

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

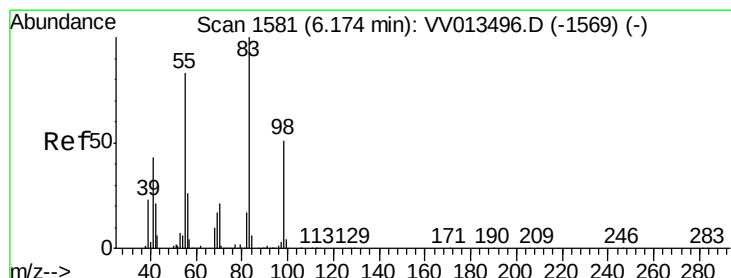
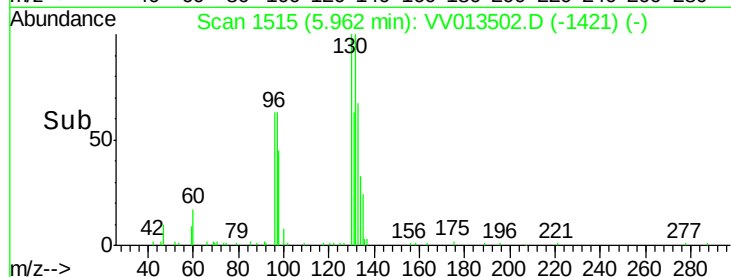
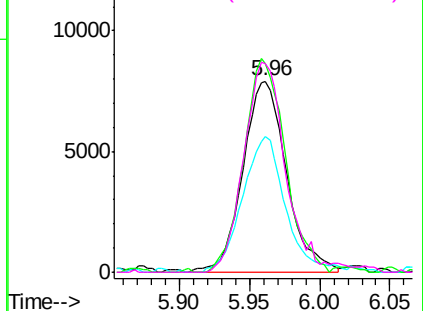
Tgt Ion	Ratio	Lower	Upper
95	100		
97	71.2	45.1	83.7
132	109.7	71.7	133.1
130	109.2	73.8	137.2

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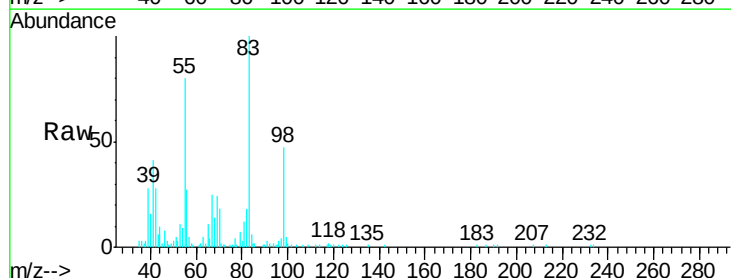


Abundance Ion 95.00 (94.70 to 95.70): VV013502.D (-1421) (-)
 Ion 97.00 (96.70 to 97.70): VV013502.D (-1421) (-)
 Ion 132.00 (131.70 to 132.70): VV013502.D (-1421) (-)
 Ion 130.00 (129.70 to 130.70): VV013502.D (-1421) (-)

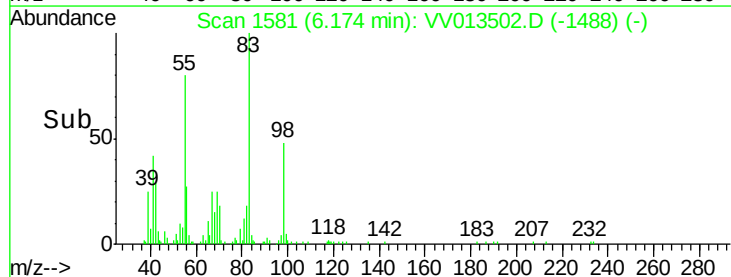
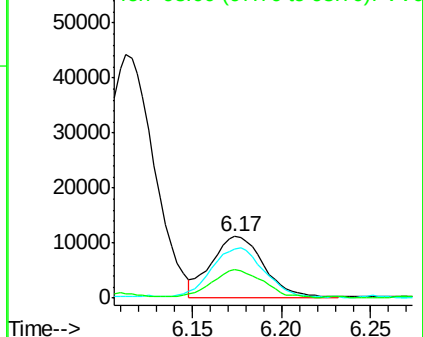


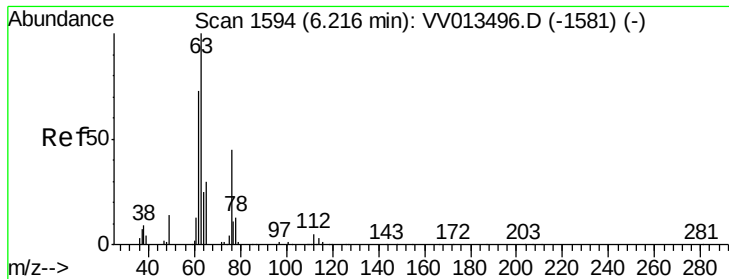
#35
 Methylcyclohexane
 Concen: 2.197 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 17:10

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.8	63.4	95.0
98	47.0	38.6	58.0



Abundance Ion 83.00 (82.70 to 83.70): VV013502.D (-1488) (-)
 Ion 55.00 (54.70 to 55.70): VV013502.D (-1488) (-)
 Ion 98.00 (97.70 to 98.70): VV013502.D (-1488) (-)





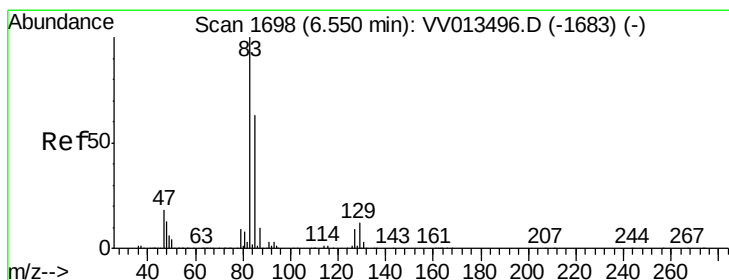
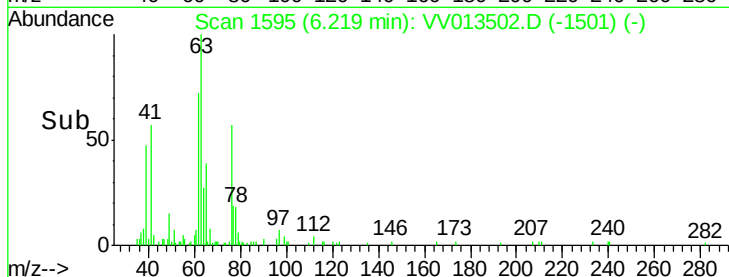
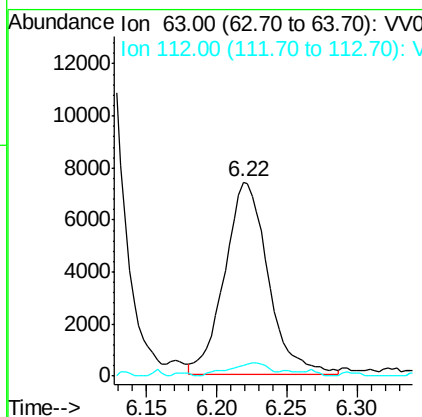
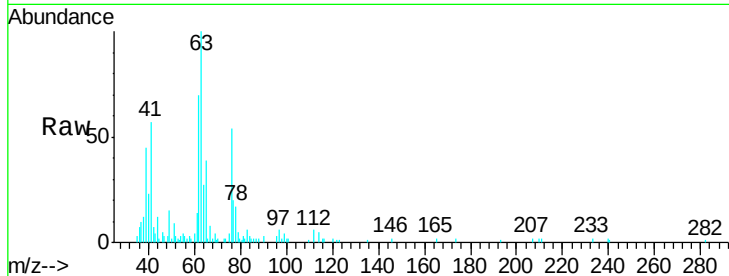
#37
 1,2-Dichloropropane
 Concen: 2.407 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 17:10

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion: 63 Resp: 15867
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.9 5.9#

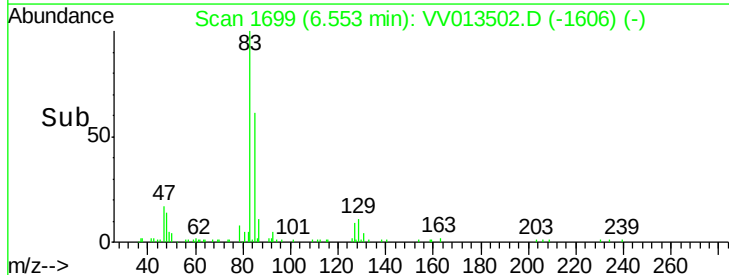
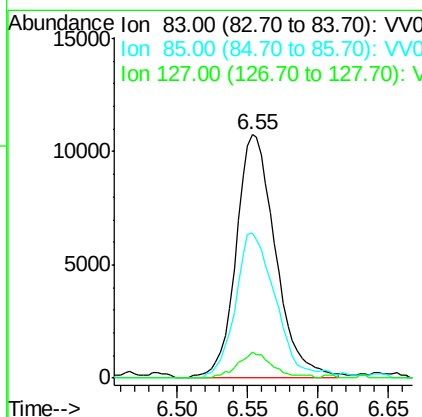
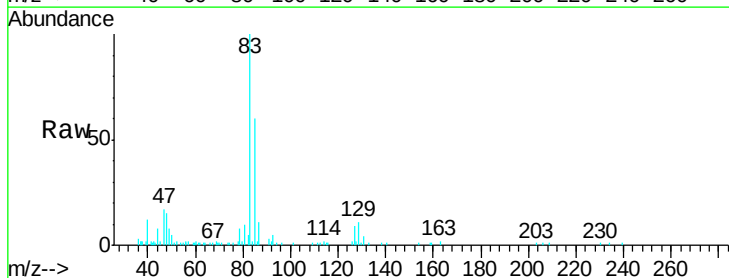
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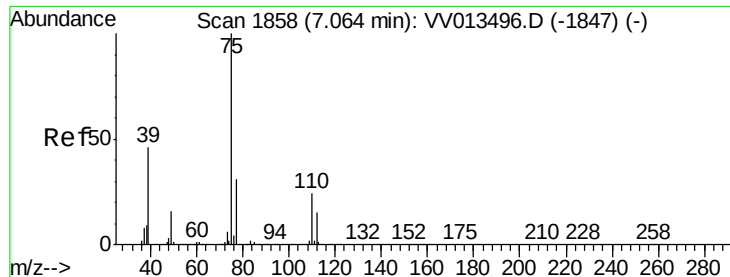
MMDadoda
 11/7/2019 10:49:54 AM



#38
 Bromodichloromethane
 Concen: 2.426 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 17:10

Tgt Ion: 83 Resp: 21030
 Ion Ratio Lower Upper
 83 100
 85 59.8 44.8 83.2
 127 10.9 7.1 10.7#





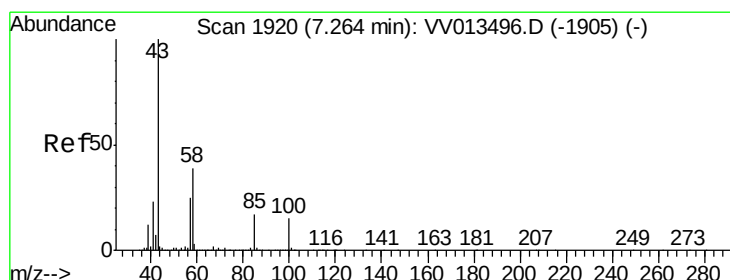
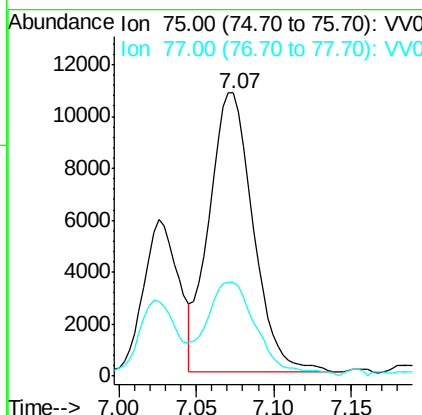
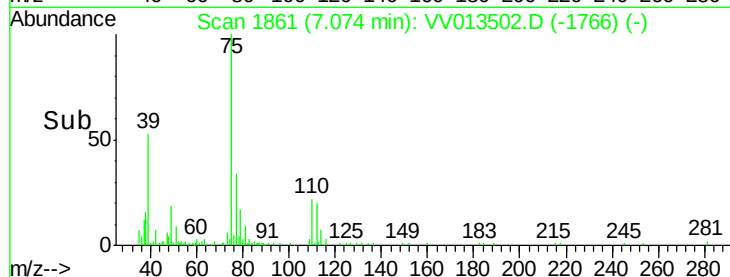
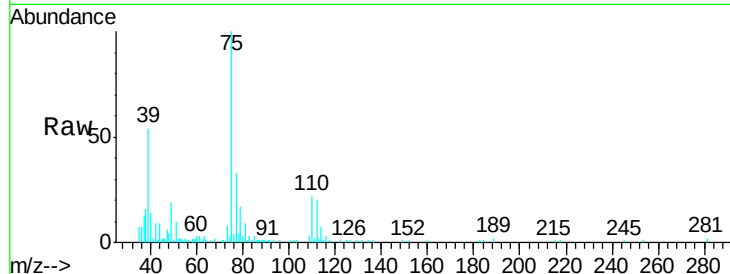
#39
 cis-1,3-Dichloropropene
 Concen: 2.136 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 17:10

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion: 75 Resp: 21386
 Ion Ratio Lower Upper
 75 100
 77 33.2 22.0 40.8

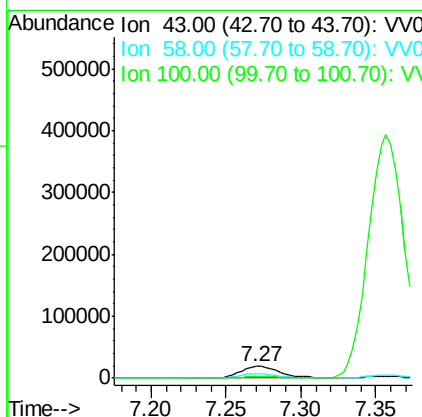
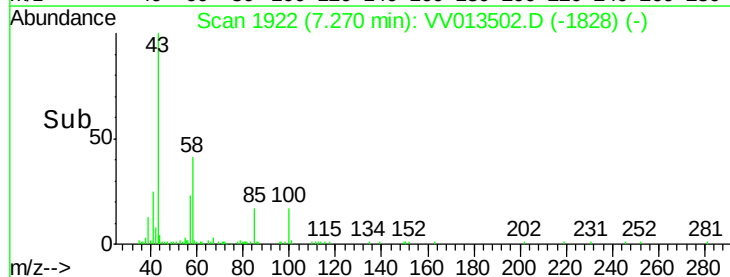
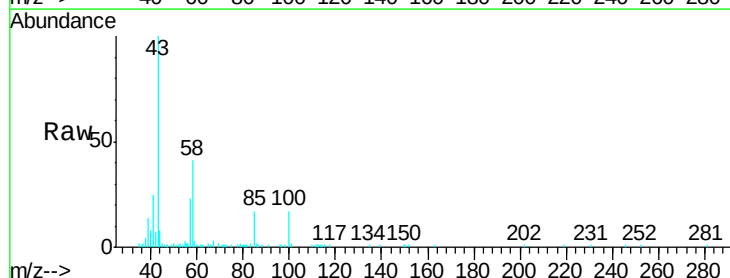
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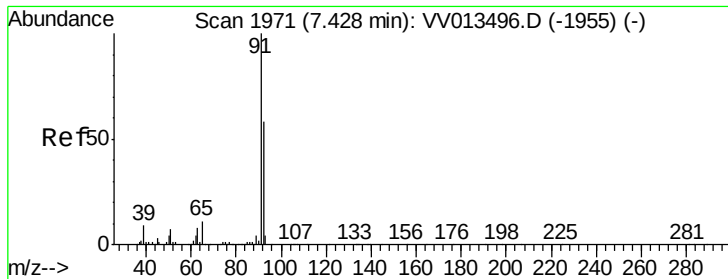
MMDadoda
 11/7/2019 10:49:54 AM



#40
 4-Methyl-2-pentanone
 Concen: 4.097 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 17:10

Tgt Ion: 43 Resp: 34805
 Ion Ratio Lower Upper
 43 100
 58 34.8 31.0 46.4
 100 15.2 12.2 18.2





#42

Toluene

Concen: 2.448 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 91 Resp: 63885

Ion Ratio Lower Upper

91 100

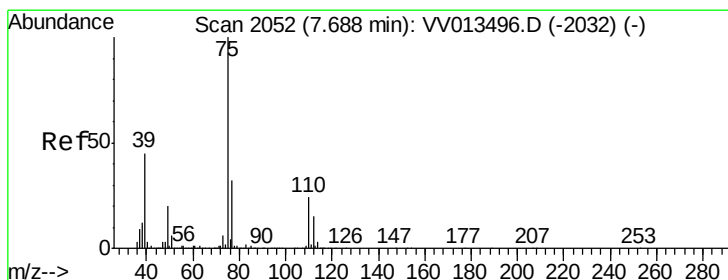
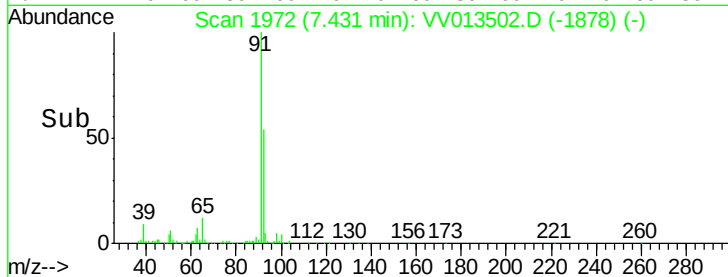
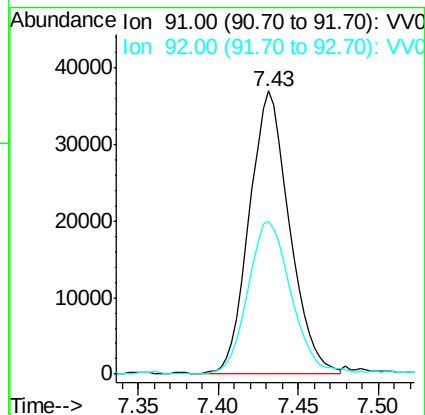
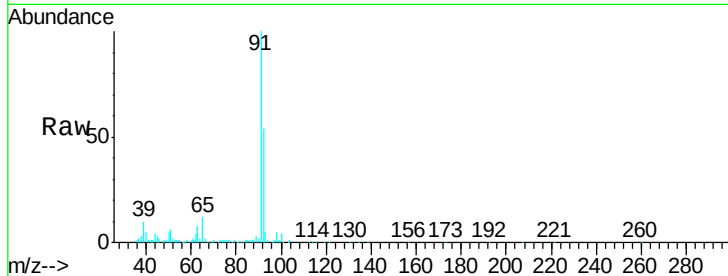
92 54.1 41.3 76.7

Manual Integrations

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MMDadoda

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#44

trans-1,3-Dichloropropene

Concen: 2.544 ug/L m

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013502.D

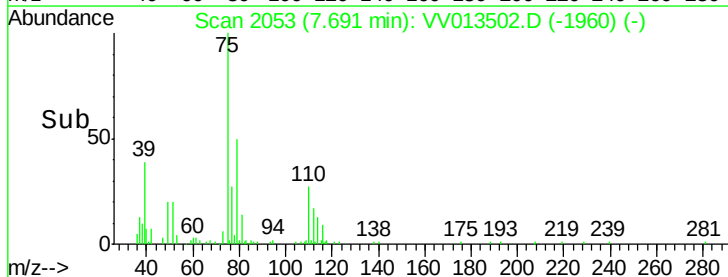
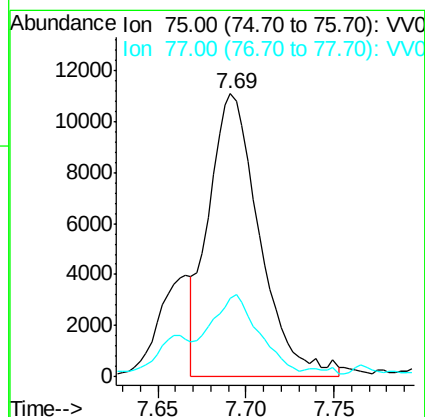
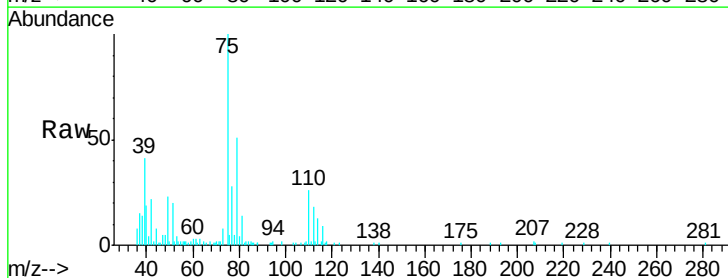
Acq: 06 Nov 2019 17:10

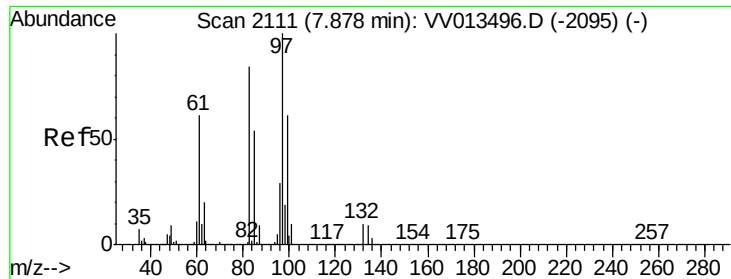
Tgt Ion: 75 Resp: 22166

Ion Ratio Lower Upper

75 100

77 27.6 22.0 41.0





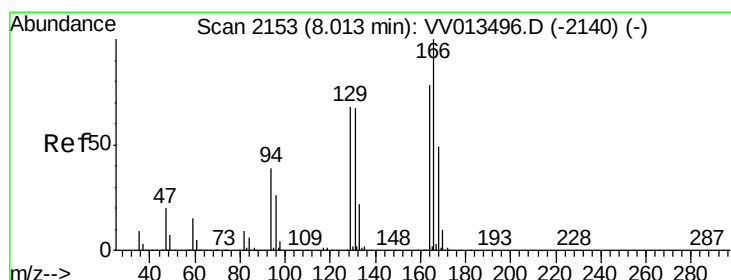
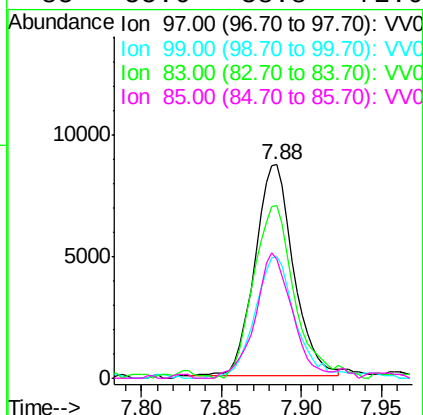
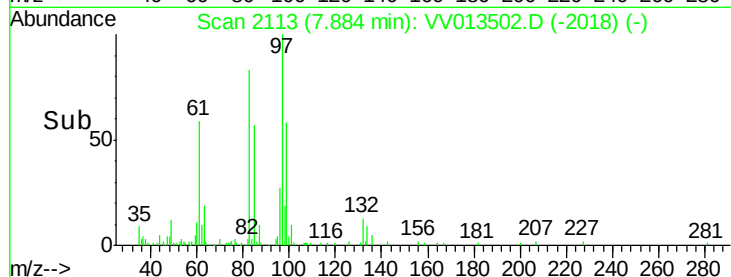
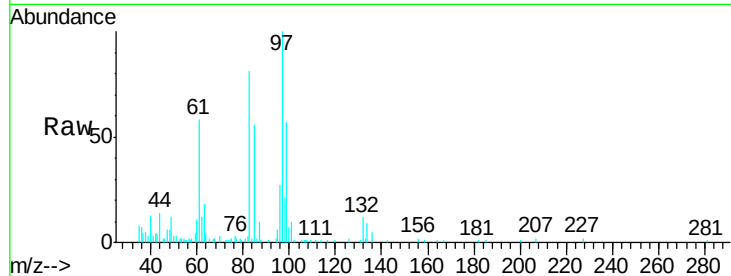
#45
1,1,2-Trichloroethane
Concen: 2.352 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.01 min
Lab File: VV013502.D
Acq: 06 Nov 2019 17:10

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	14515		
99	56.9	43.8	81.4	
83	81.1	59.1	109.9	
85	55.6	38.8	72.0	

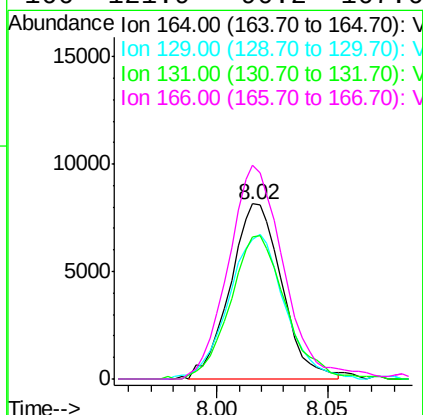
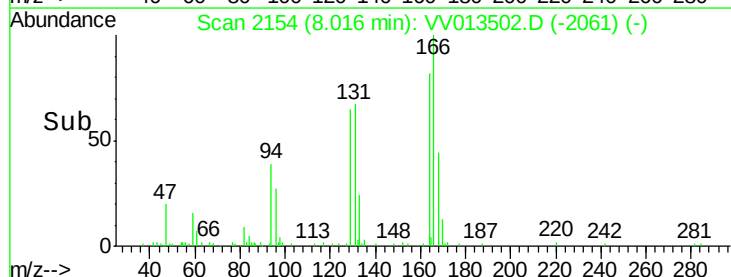
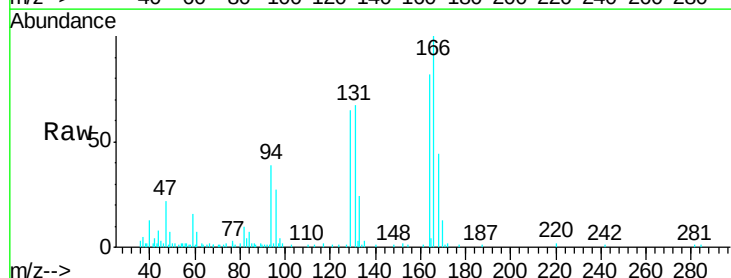
Manual Integrations
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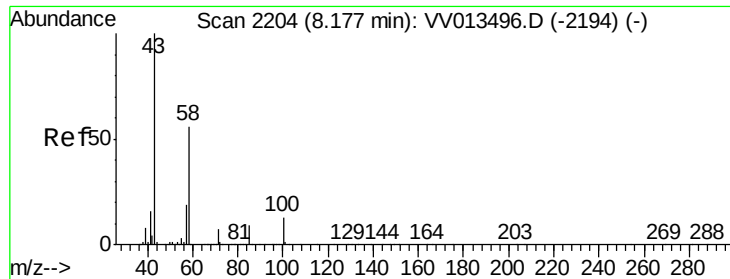
MMDadoda
11/7/2019 10:49:54 AM



#46
Tetrachloroethene
Concen: 2.342 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	13299		
129	79.4	61.5	114.3	
131	81.3	60.6	112.6	
166	121.9	90.2	167.6	





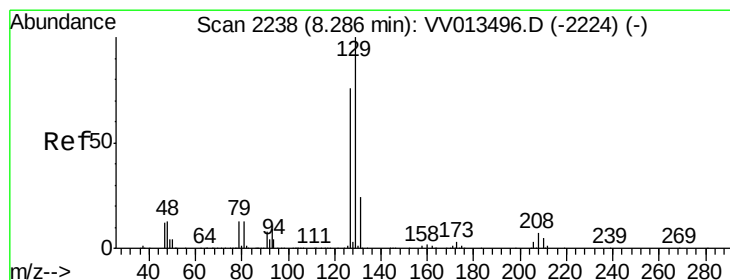
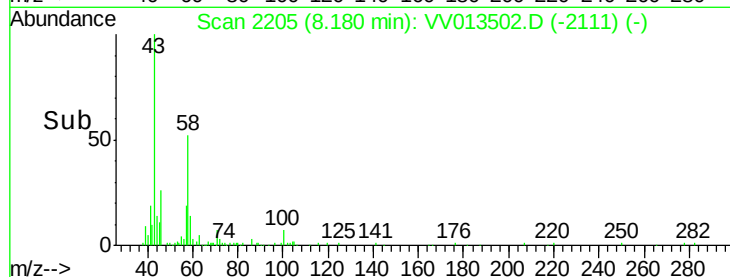
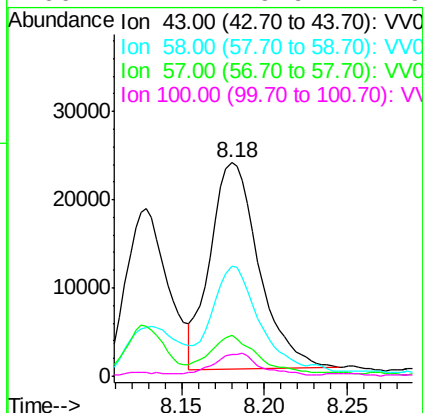
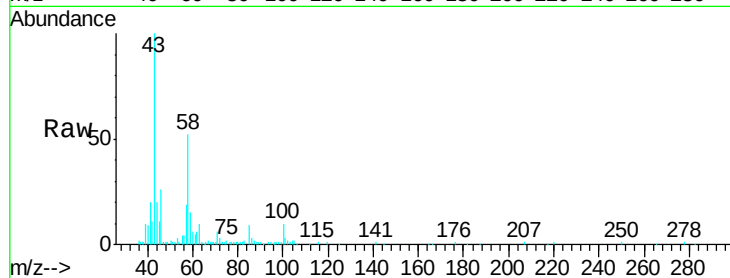
#48
2-Hexanone
Concen: 7.153 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 17:10

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion: 43 Resp: 47993
Ion Ratio Lower Upper
43 100
58 43.3 43.4 65.0#
57 17.4 15.2 22.8
100 11.2 9.9 14.9

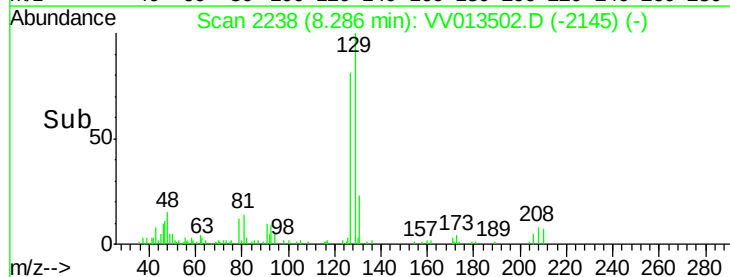
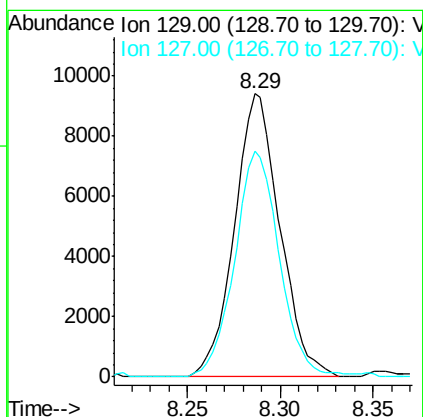
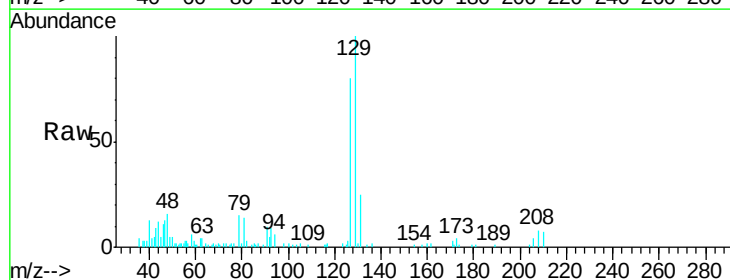
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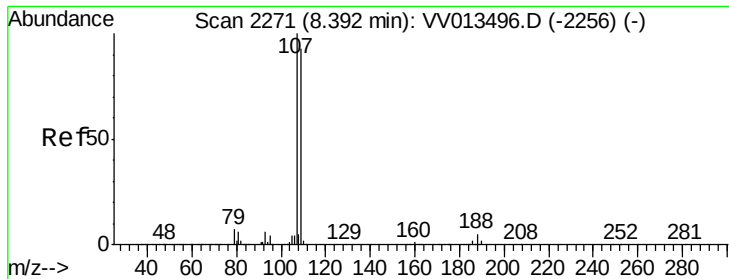
MMDadoda
11/7/2019 10:49:54 AM



#49
Dibromochloromethane
Concen: 2.253 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013502.D
Acq: 06 Nov 2019 17:10

Tgt Ion: 129 Resp: 15987
Ion Ratio Lower Upper
129 100
127 79.7 52.5 97.5





#50

1,2-Dibromoethane

Concen: 2.284 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Instrument :

MSVOA_V

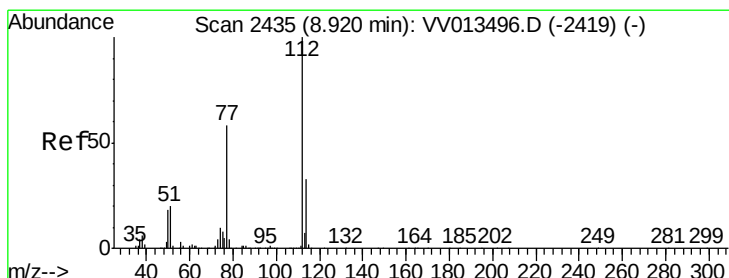
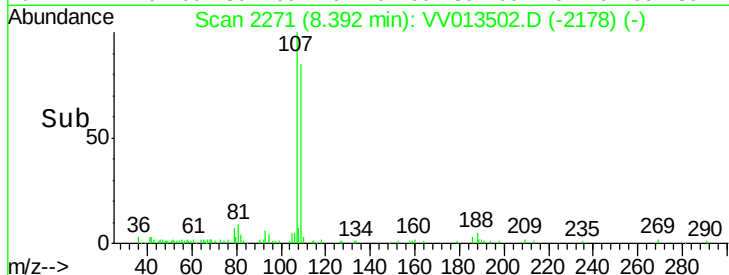
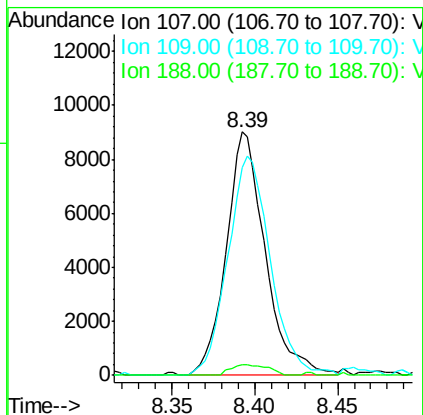
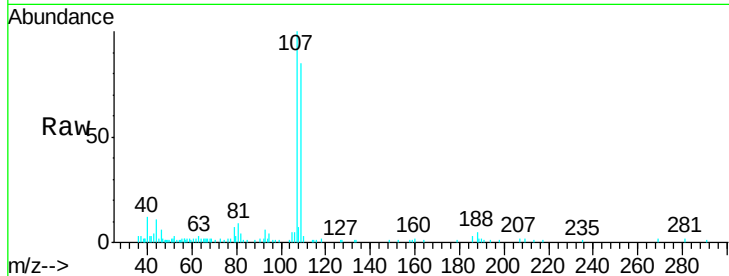
ClientSampleId :

MDL05

Tgt Ion:	107	Resp:	14792
Ion Ratio	Lower	Upper	
107	100		
109	85.4	65.7	122.1
188	4.6	3.5	5.3

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11/7/2019 10:49:54 AM



#51

Chlorobenzene

Concen: 2.366 ug/L

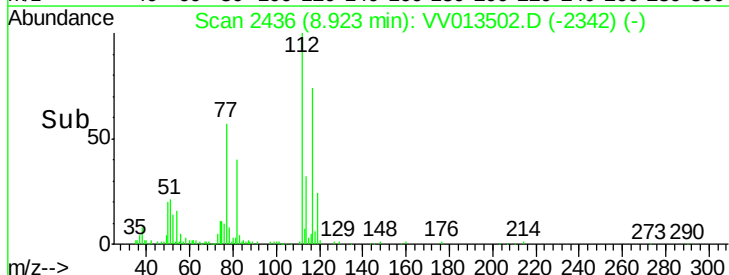
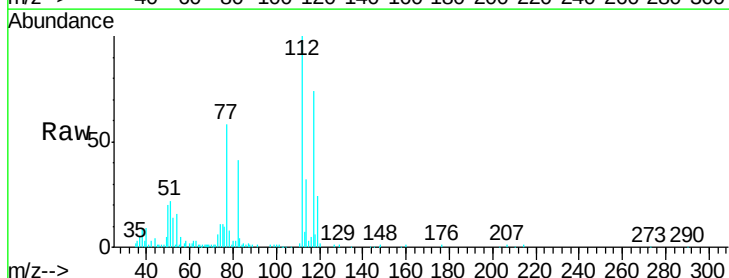
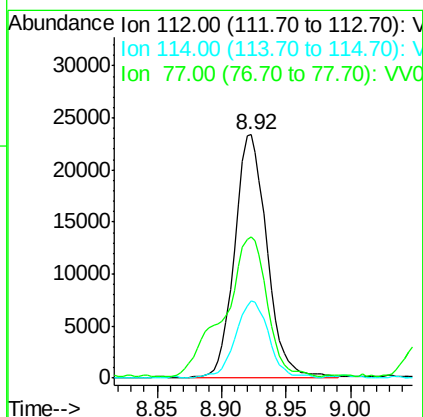
RT: 8.92 min Scan# 2436

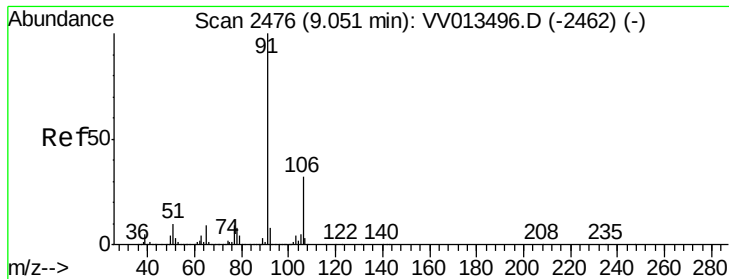
Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Tgt Ion:	112	Resp:	41038
Ion Ratio	Lower	Upper	
112	100		
114	31.9	22.8	42.4
77	57.8	46.7	70.1





#52

Ethylbenzene

Concen: 2.063 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 91 Resp: 58410

Ion Ratio Lower Upper

91 100

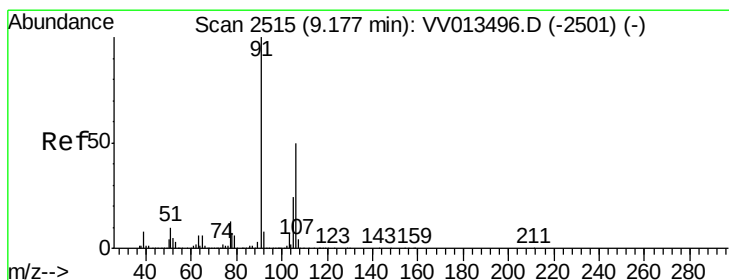
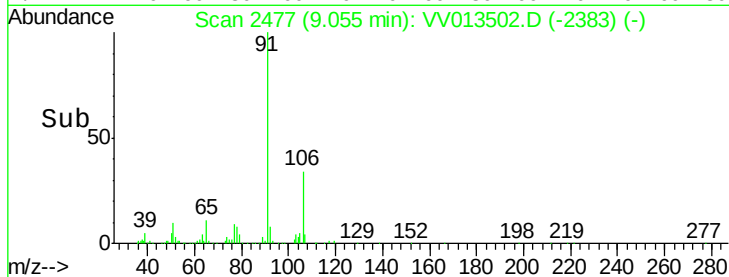
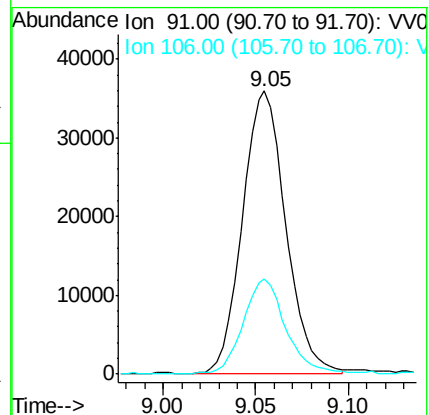
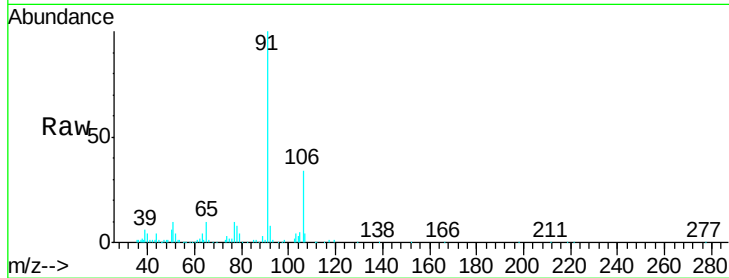
106 33.7 22.0 40.8

Manual Integrations

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#53

m,p-Xylene

Concen: 2.134 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013502.D

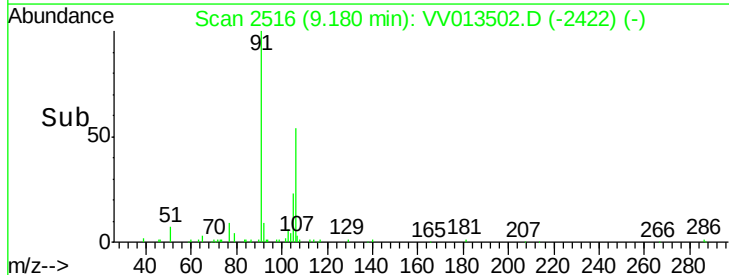
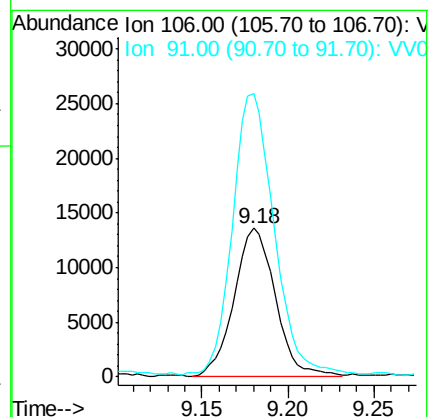
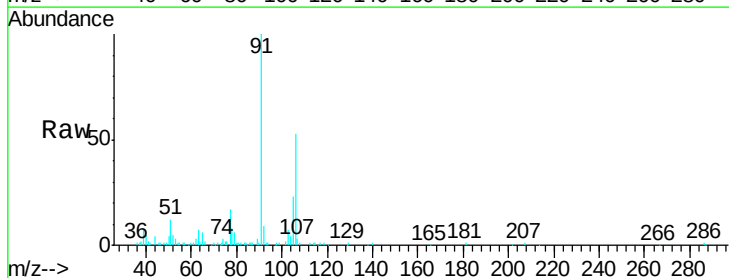
Acq: 06 Nov 2019 17:10

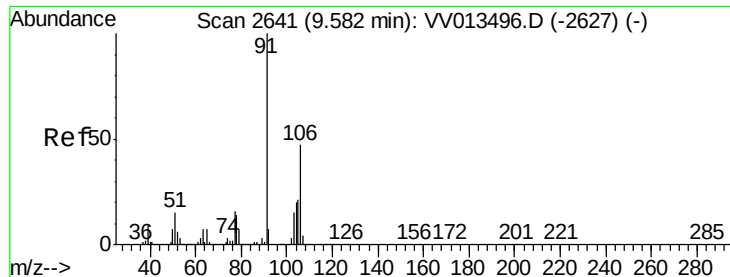
Tgt Ion: 106 Resp: 22926

Ion Ratio Lower Upper

106 100

91 190.2 141.6 263.0





#54

o-xylene

Concen: 2.044 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion:106 Resp: 21063

Ion Ratio Lower Upper

106 100

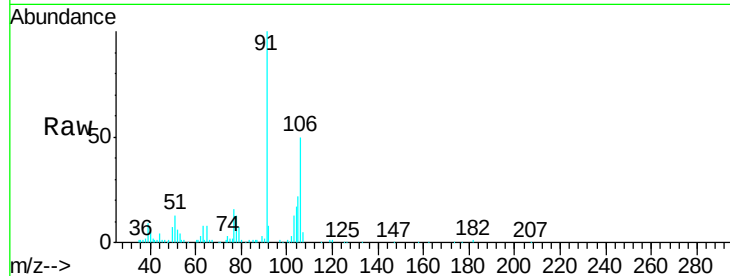
91 201.1 147.2 273.4

Manual Integrations

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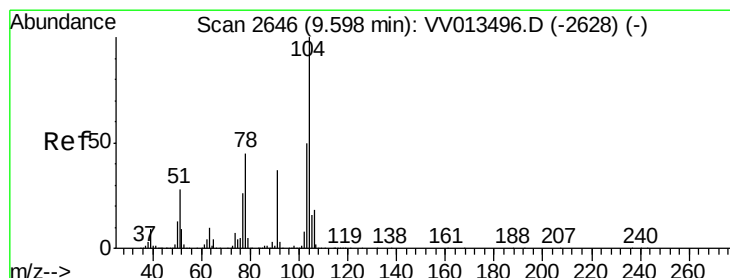
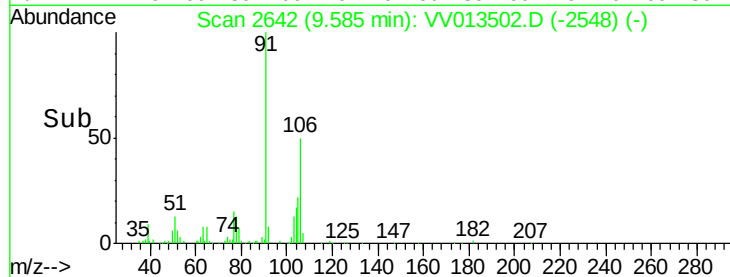
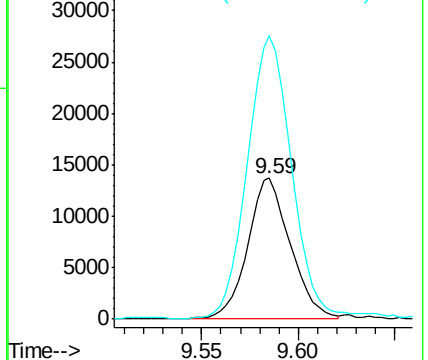
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 1.833 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.01 min

Lab File: VV013502.D

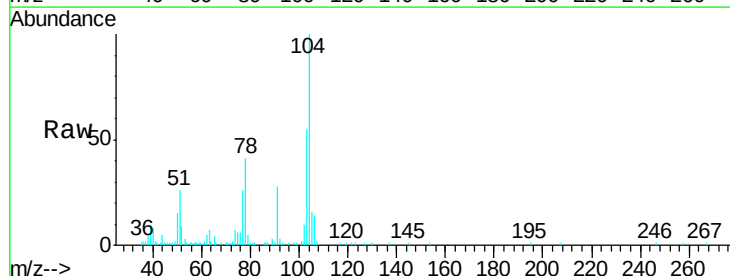
Acq: 06 Nov 2019 17:10

Tgt Ion:104 Resp: 32660

Ion Ratio Lower Upper

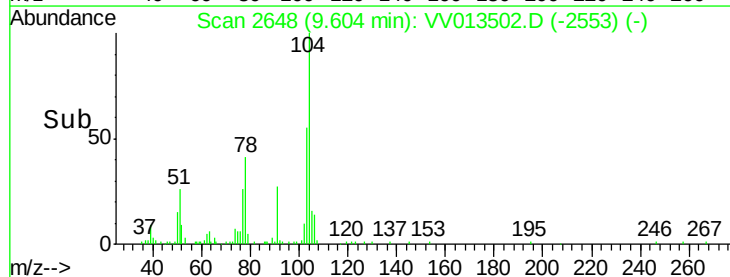
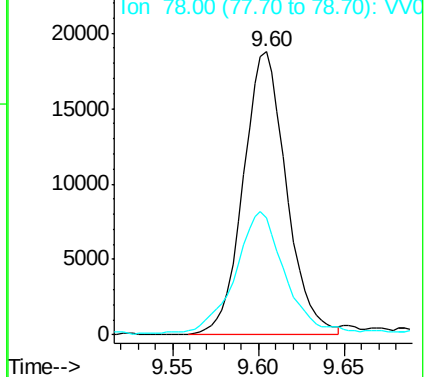
104 100

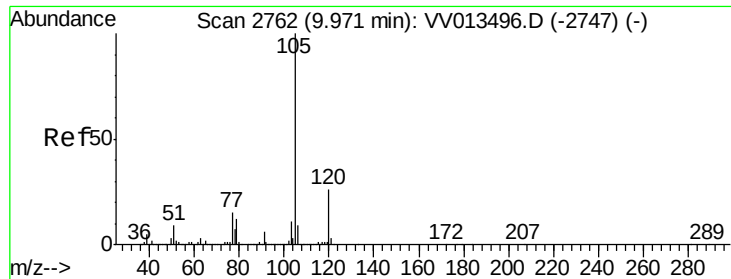
78 41.2 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 1.921 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Instrument :

MSVOA_V

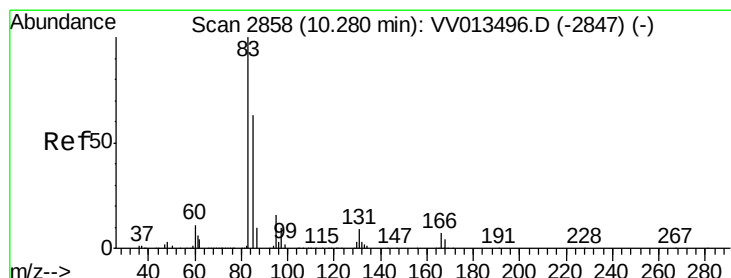
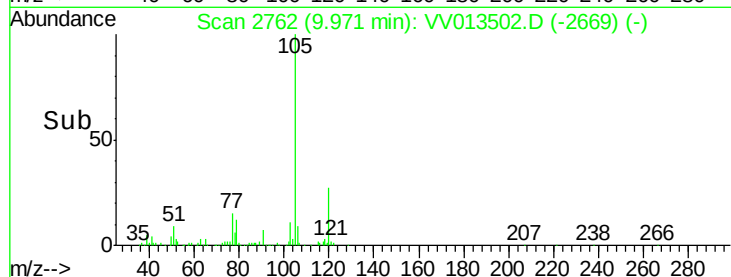
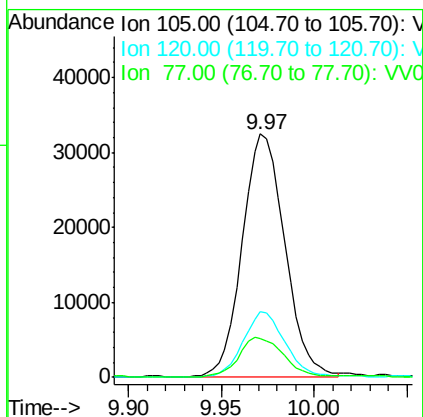
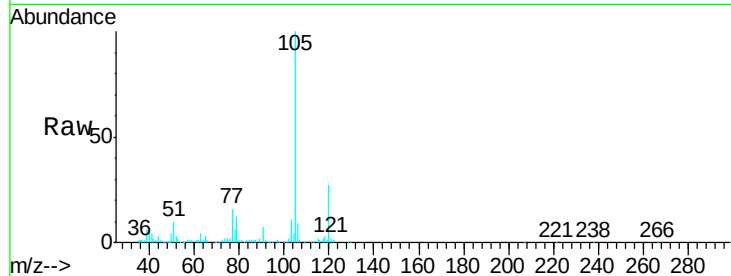
ClientSampleId :

MDL05

Tgt Ion:	105	Resp:	51985
Ion Ratio	Lower	Upper	
105	100		
120	26.7	21.1	31.7
77	17.3	12.2	18.4

Manual Integrations
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11/7/2019 10:49:54 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.498 ug/L

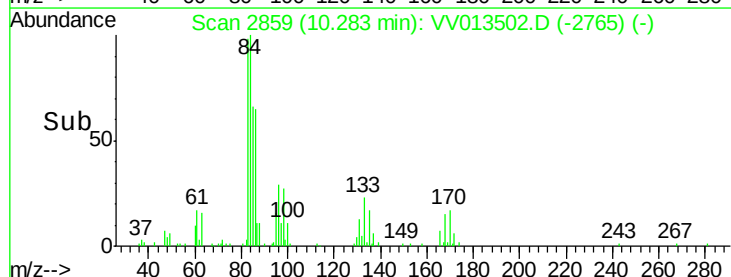
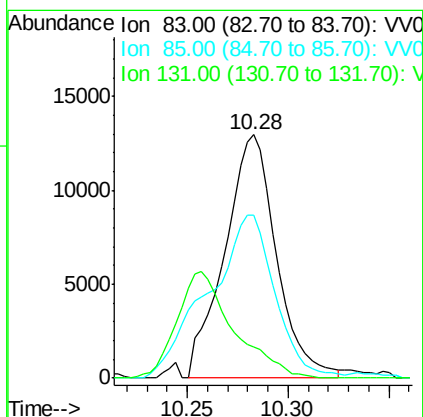
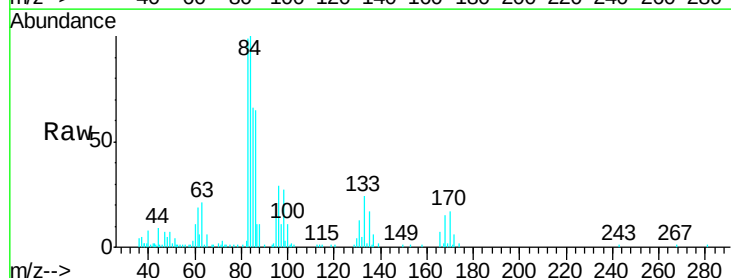
RT: 10.28 min Scan# 2859

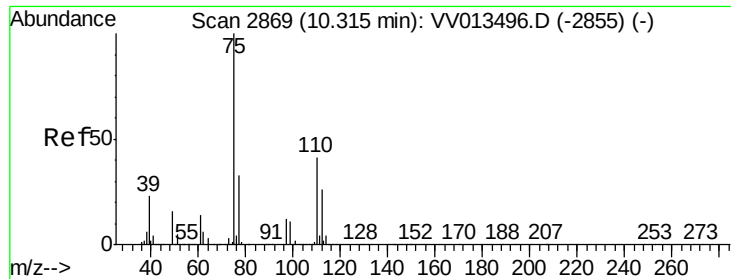
Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Tgt Ion:	83	Resp:	23278
Ion Ratio	Lower	Upper	
83	100		
85	66.8	44.0	81.6
131	13.0	7.7	11.5#





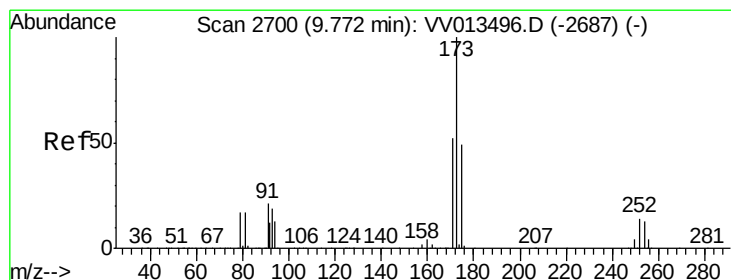
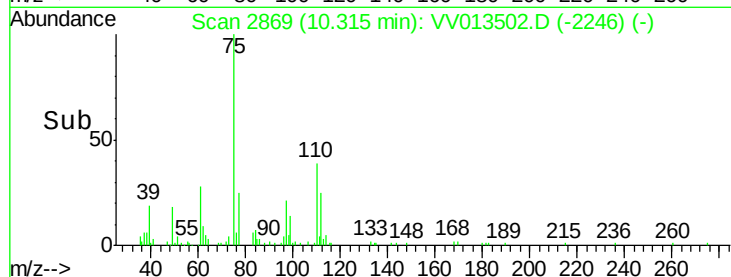
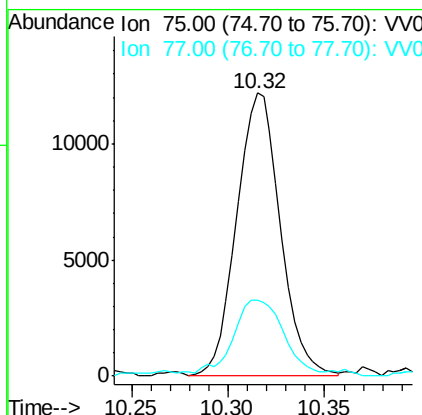
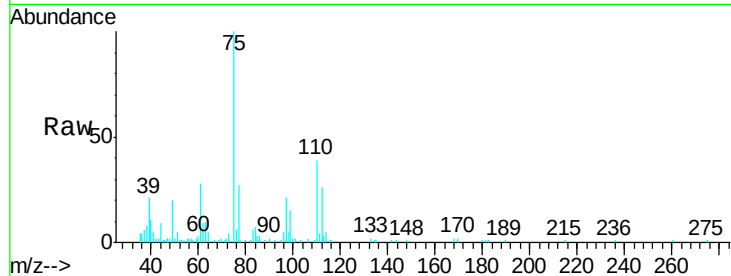
#59
 1,2,3-Trichloropropane
 Concen: 2.467 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 17:10

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tgt Ion: 75 Resp: 19141
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.2

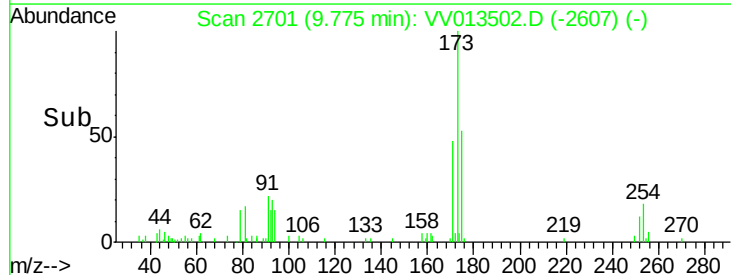
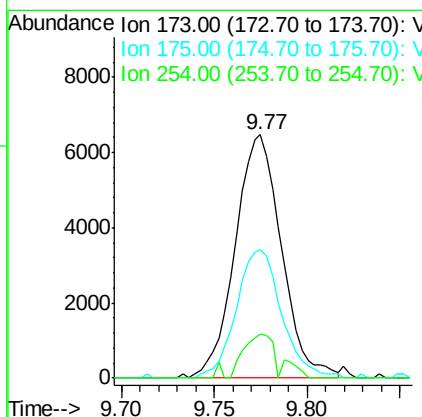
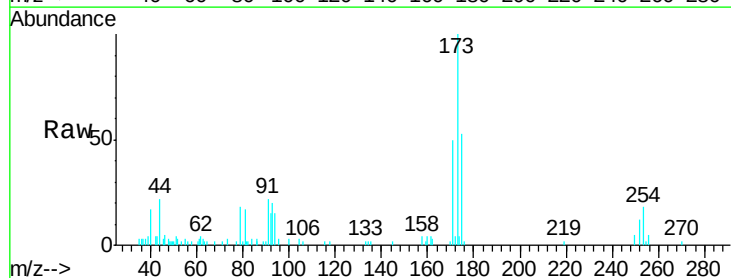
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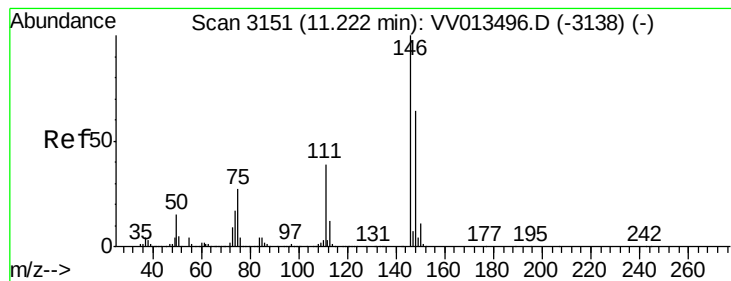
MMDadoda
 11/7/2019 10:49:54 AM



#61
 Bromoform
 Concen: 2.410 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 17:10

Tgt Ion: 173 Resp: 11225
 Ion Ratio Lower Upper
 173 100
 175 51.4 39.0 58.4
 254 11.1 10.2 15.2





#62

1,3-Dichlorobenzene

Concen: 2.551 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Instrument :

MSVOA_V

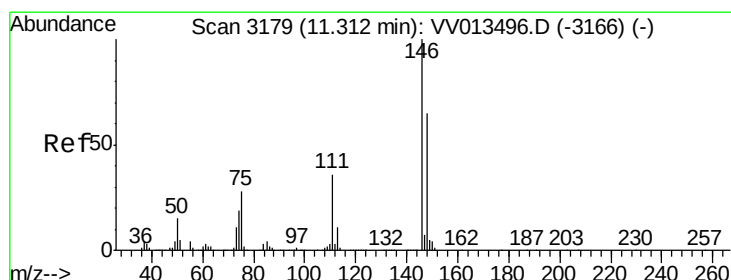
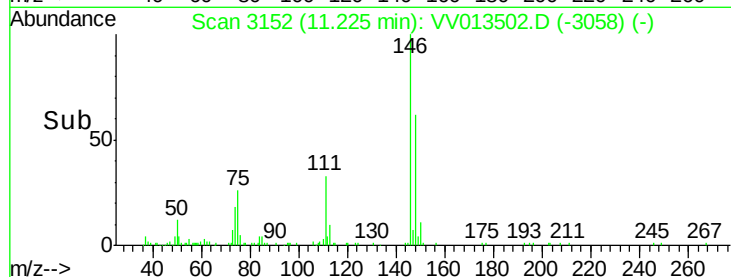
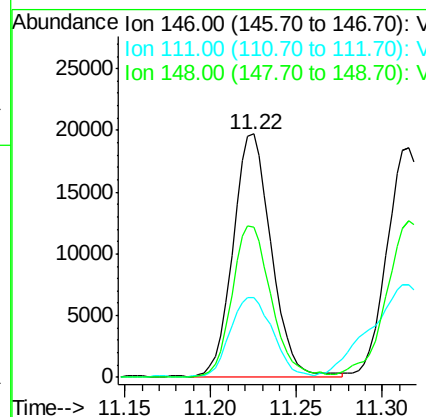
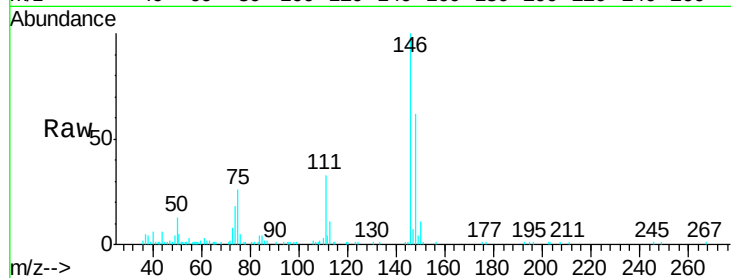
ClientSampled :

MDL05

Tgt Ion:	146	Resp:	30702
Ion Ratio	Lower	Upper	
146	100		
111	33.0	26.4	49.0
148	61.7	44.4	82.4

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#63

1,4-Dichlorobenzene

Concen: 2.448 ug/L

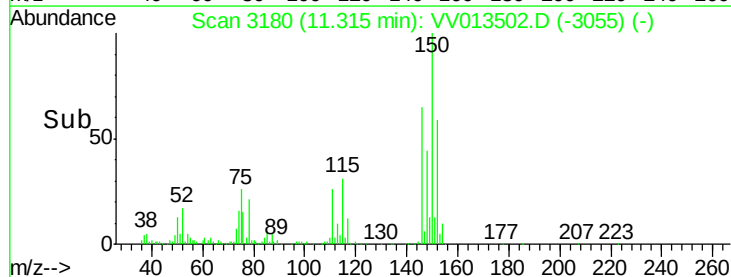
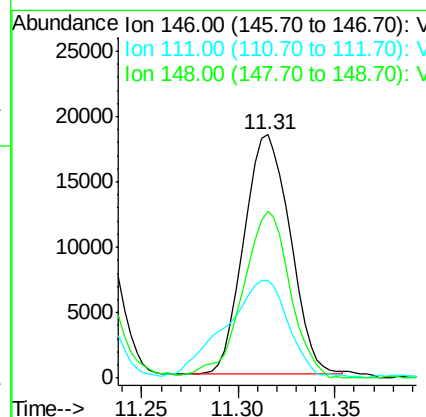
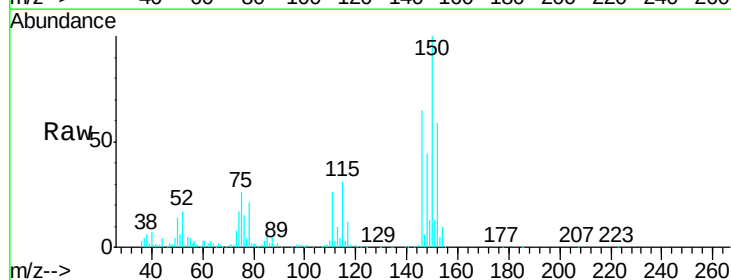
RT: 11.31 min Scan# 3180

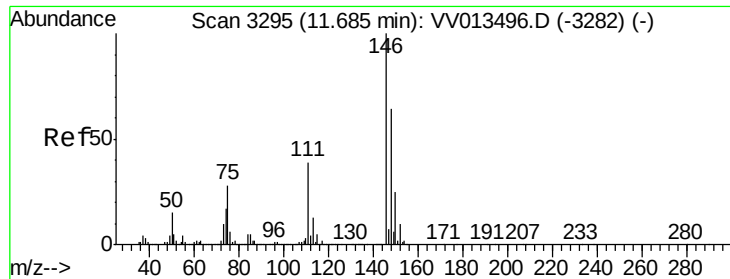
Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Tgt Ion:	146	Resp:	30527
Ion Ratio	Lower	Upper	
146	100		
111	40.2	25.5	47.3
148	68.3	44.9	83.5





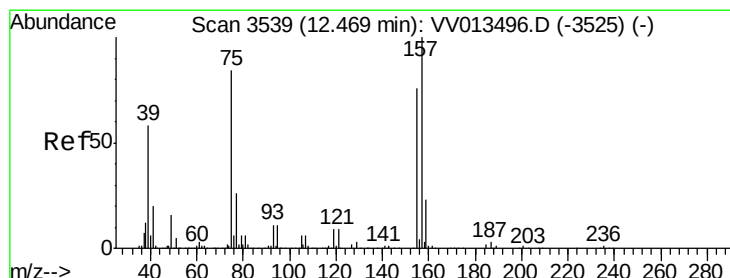
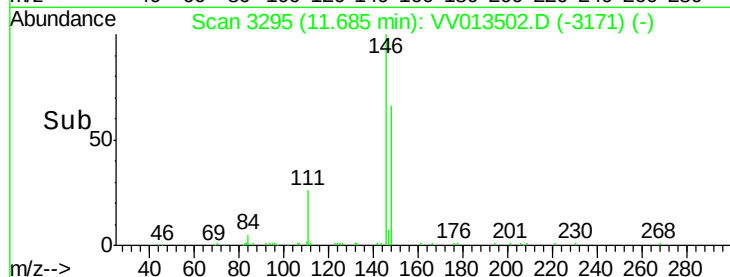
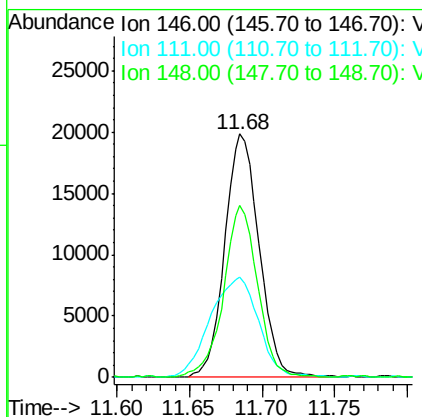
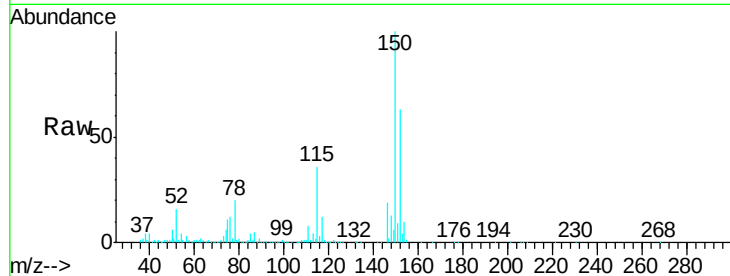
#65
 1,2-Dichlorobenzene
 Concen: 2.710 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 17:10

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	32666		
111	41.1	32.1	48.1	
148	70.4	52.0	78.0	

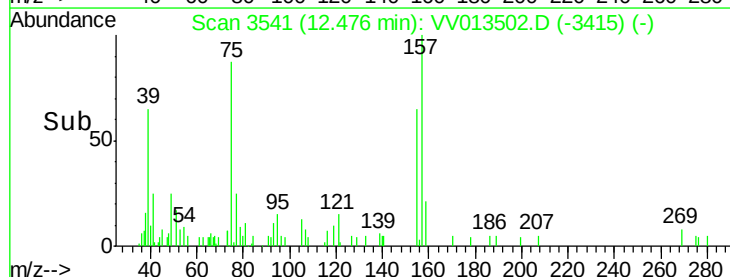
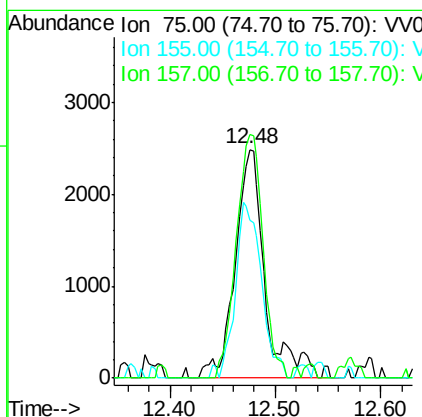
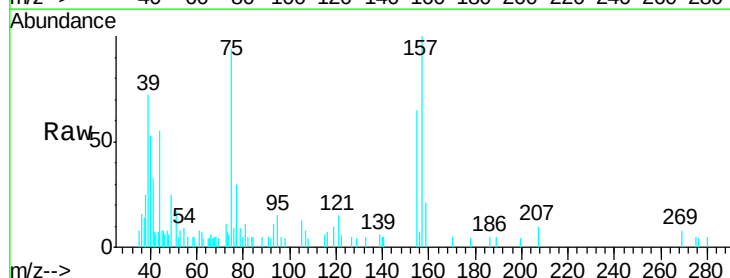
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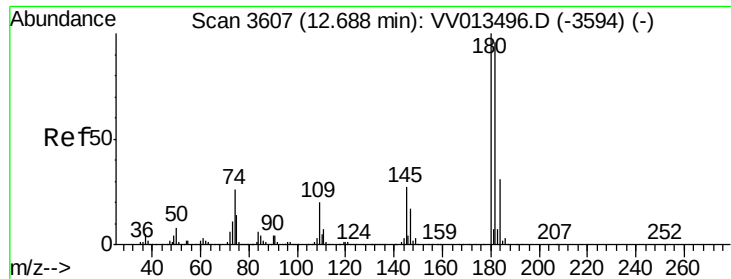
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.930 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.01 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 17:10

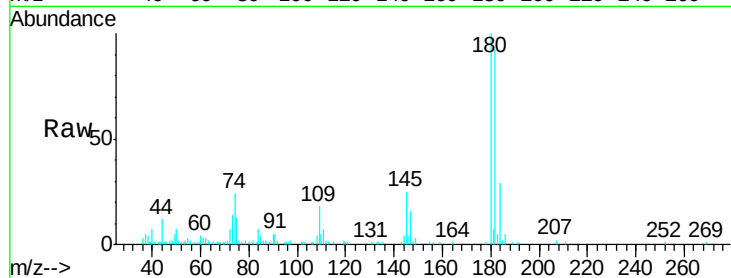
Tgt Ion	Ratio	Resp	Lower	Upper
75	100	4872		
155	68.8	71.9	107.9	
157	106.4	96.6	145.0	





#67
 1,3,5-Trichlorobenzene
 Concen: 2.438 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 17:10

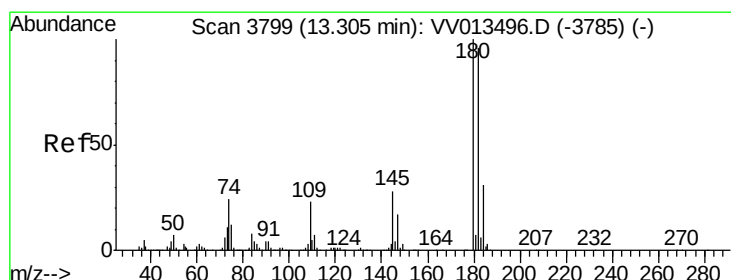
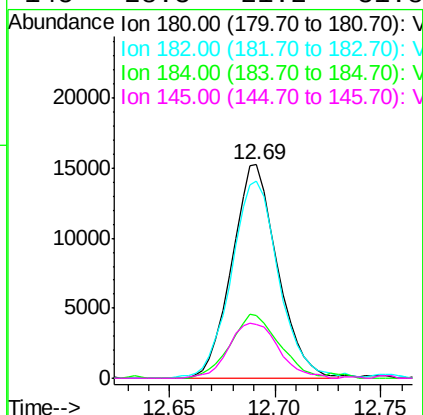
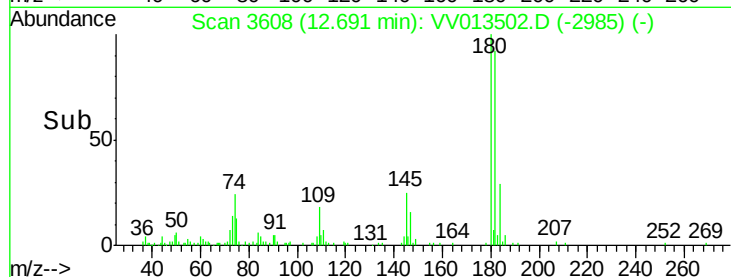
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05



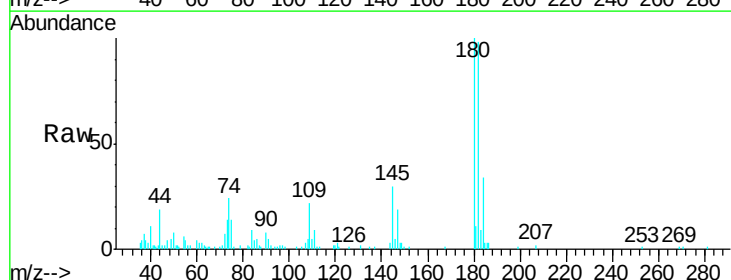
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.2	114.2
184	32.0	24.3	36.5
145	28.3	21.2	31.8

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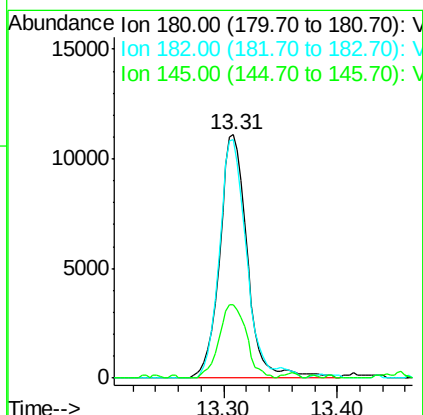
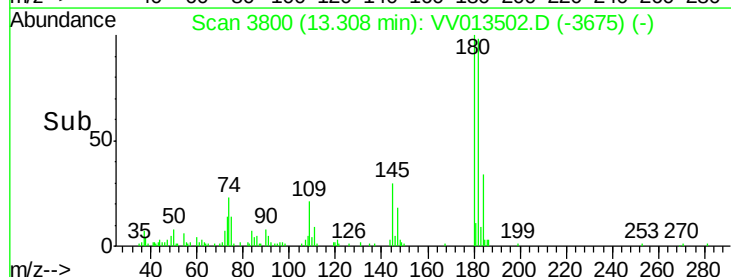
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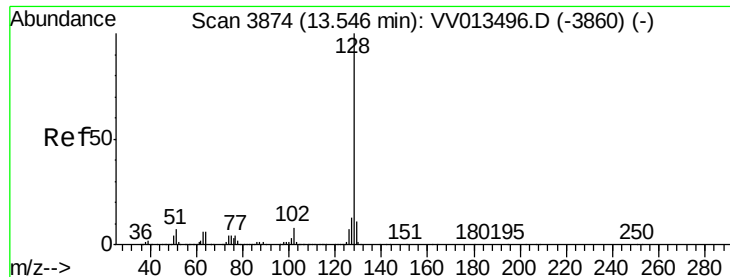


#68
 1,2,4-trichlorobenzene
 Concen: 2.272 ug/L m
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013502.D
 Acq: 06 Nov 2019 17:10



Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.4	114.6
145	30.2	22.4	33.6





#69

Naphthalene

Concen: 2.022 ug/L m

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Instrument :

MSVOA_V

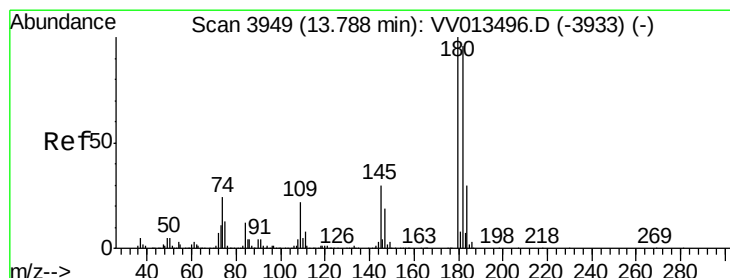
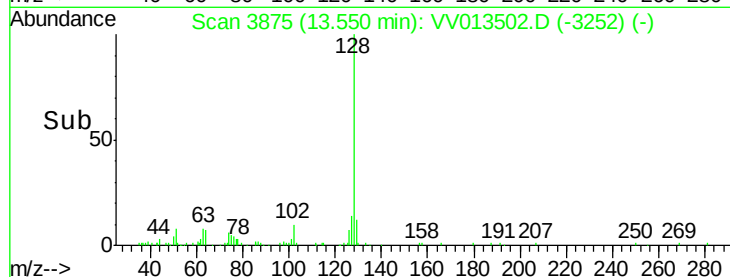
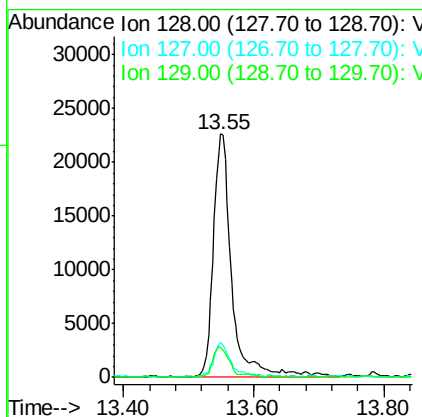
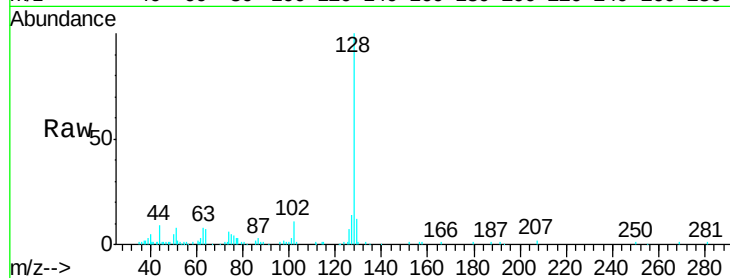
ClientSampleId :

MDL05

Tgt Ion:	128	Resp:	44515
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.8	8.6	13.0

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 2.285 ug/L m

RT: 13.79 min Scan# 3951

Delta R.T. 0.01 min

Lab File: VV013502.D

Acq: 06 Nov 2019 17:10

Tgt Ion:	180	Resp:	19995
Ion	Ratio	Lower	Upper
180	100		
182	88.6	77.4	116.0
145	29.0	24.0	36.0

