

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110619\
 Data File : VV013503.D
 Acq On : 06 Nov 2019 17:34
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.0G/5mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 10:49:58 AM

Quant Time: Nov 07 03:17:34 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	860501	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	829487	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	385986	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	242993	48.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.44%
7) Chloroethane-d5	1.58	69	206183	50.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.54%
11) 1,1-Dichloroethene-d2	2.13	63	337881	38.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.68%
21) 2-Butanone-d5	3.92	46	428056	114.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.89%
24) Chloroform-d	4.40	84	536770	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.14%
26) 1,2-Dichloroethane-d4	5.08	65	367377	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.92%
32) Benzene-d6	5.10	84	1126558	50.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.84%
36) 1,2-Dichloropropane-d6	6.11	67	366698	51.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.20%
41) Toluene-d8	7.36	98	1018953	50.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.12%
43) trans-1,3-Dichloropropene-	7.66	79	161925	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.20%
47) 2-Hexanone-d5	8.13	63	261388	100.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.40%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	442751	49.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	416121	54.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16783	2.343 ug/L	98
3) Chloromethane	1.25	50	14499	2.131 ug/L	98
5) Vinyl chloride	1.32	62	15945	2.508 ug/L #	61
6) Bromomethane	1.53	94	7569	2.482 ug/L	97
8) Chloroethane	1.60	64	8954	2.514 ug/L	95
9) Trichlorofluoromethane	1.77	101	20393	2.417 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	14559	3.064 ug/L #	84
12) 1,1-Dichloroethene	2.14	96	13364m	2.946 ug/L	
13) Acetone	2.19	43	14695	4.226 ug/L	91
14) Carbon disulfide	2.32	76	38228	2.408 ug/L	98
15) Methyl Acetate	2.46	43	14287	2.252 ug/L	94
16) Methylene chloride	2.53	84	16095	2.622 ug/L	94
17) trans-1,2-Dichloroethene	2.80	96	13327	2.359 ug/L	91
18) Methyl tert-butyl Ether	2.80	73	38096	2.212 ug/L	97
19) 1,1-Dichloroethane	3.23	63	25285	2.348 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	14056m	2.279 ug/L	
22) 2-Butanone	4.04	43	17432m	3.785 ug/L	

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 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	7974m	2.446	ug/L	
25) Chloroform	4.42	83	49669	4.482	ug/L	93
27) 1,2-Dichloroethane	5.18	62	19246	2.266	ug/L	99
29) Cyclohexane	4.72	56	21514	2.258	ug/L	96
30) 1,1,1-Trichloroethane	4.66	97	21485	2.327	ug/L	99
31) Carbon tetrachloride	4.87	117	18615m	2.261	ug/L	
33) Benzene	5.15	78	55135	2.341	ug/L	100
34) Trichloroethene	5.96	95	15226	2.433	ug/L	96
35) Methylcyclohexane	6.18	83	20825	2.158	ug/L	98
37) 1,2-Dichloropropane	6.22	63	13355	2.154	ug/L #	90
38) Bromodichloromethane	6.56	83	18609	2.282	ug/L #	94
39) cis-1,3-Dichloropropene	7.07	75	21994m	2.336	ug/L	
40) 4-Methyl-2-pentanone	7.27	43	33939	4.247	ug/L	99
42) Toluene	7.43	91	57787	2.354	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	18881	2.304	ug/L	93
45) 1,1,2-Trichloroethane	7.88	97	12814	2.207	ug/L	92
46) Tetrachloroethene	8.02	164	13089	2.450	ug/L	92
48) 2-Hexanone	8.18	43	47503	7.527	ug/L	94
49) Dibromochloromethane	8.29	129	14999	2.247	ug/L	92
50) 1,2-Dibromoethane	8.40	107	15011m	2.464	ug/L	
51) Chlorobenzene	8.92	112	38518	2.361	ug/L	90
52) Ethylbenzene	9.05	91	56119	2.107	ug/L	99
53) m,p-Xylene	9.18	106	19507	1.930	ug/L	95
54) o-xylene	9.59	106	18072	1.864	ug/L	98
55) Styrene	9.60	104	30863	1.842	ug/L	91
56) Isopropylbenzene	9.97	105	46510	1.827	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	22475	2.564	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	15997	2.192	ug/L	93
61) Bromoform	9.77	173	10426	2.304	ug/L #	92
62) 1,3-Dichlorobenzene	11.23	146	27720	2.370	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	29783	2.458	ug/L	95
65) 1,2-Dichlorobenzene	11.68	146	29219	2.494	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	3669	2.270	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	20728m	2.268	ug/L	
68) 1,2,4-trichlorobenzene	13.31	180	18342m	2.291	ug/L	
69) Naphthalene	13.55	128	42108m	1.968	ug/L	
70) 1,2,3-Trichlorobenzene	13.79	180	18320	2.154	ug/L	97

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

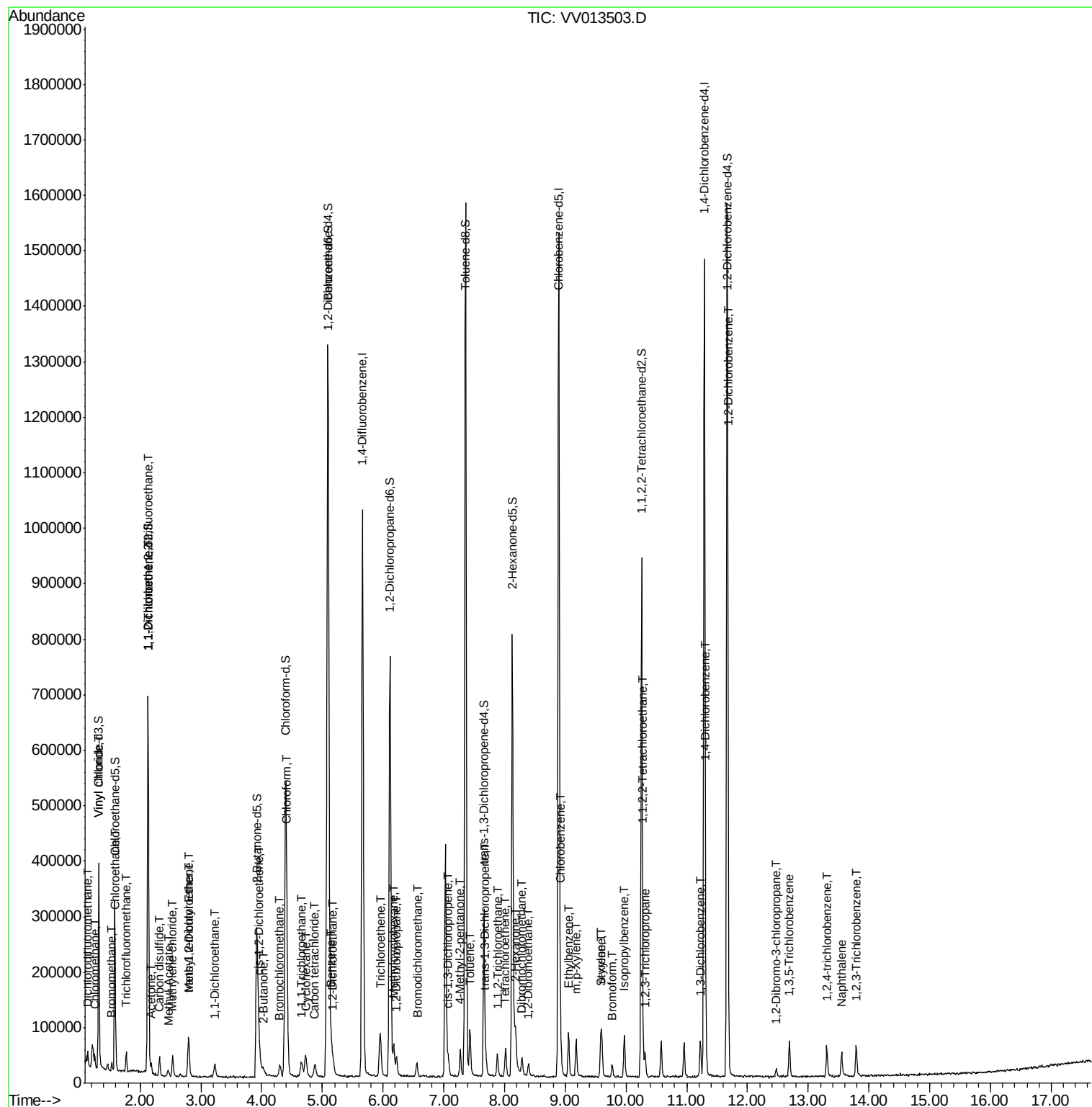
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV110619\
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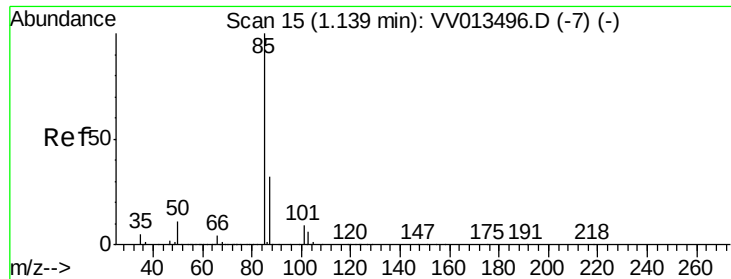
Instrument :
MSVOA_V
ClientSampled :
MDL06

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.343 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 85 Resp: 16783

Ion Ratio Lower Upper

85 100

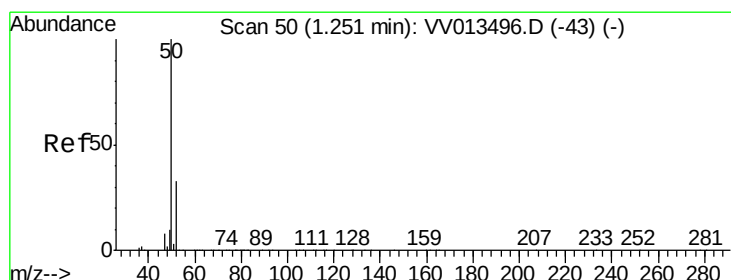
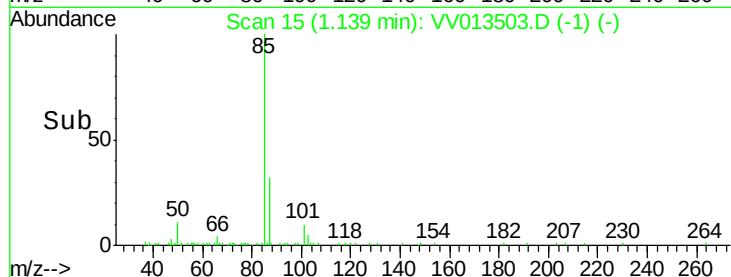
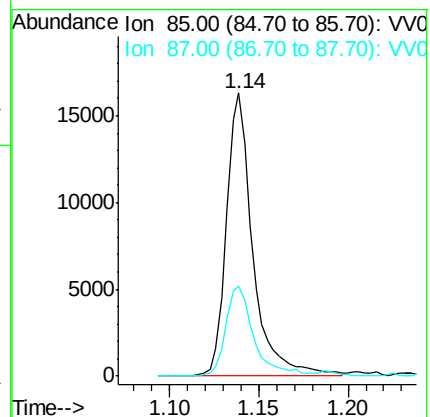
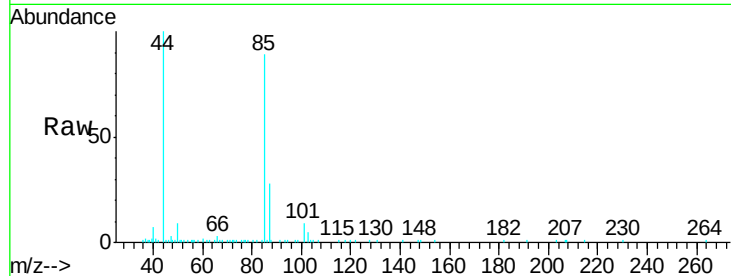
87 32.8 25.4 38.0

Manual Integrations

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#3

Chloromethane

Concen: 2.131 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013503.D

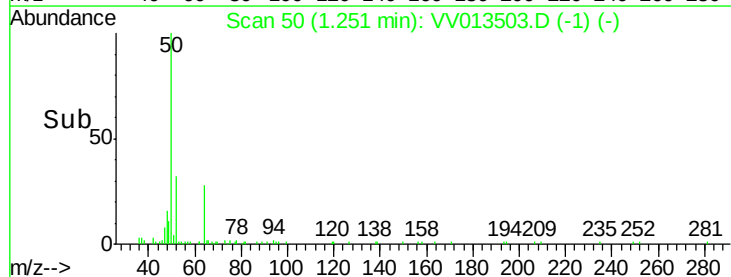
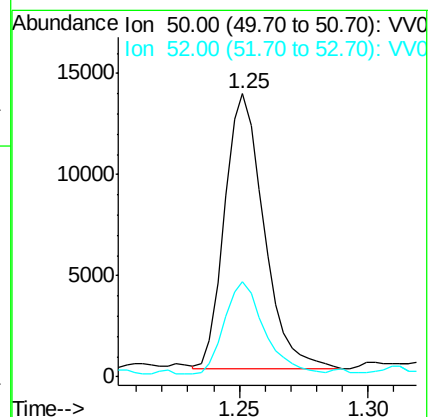
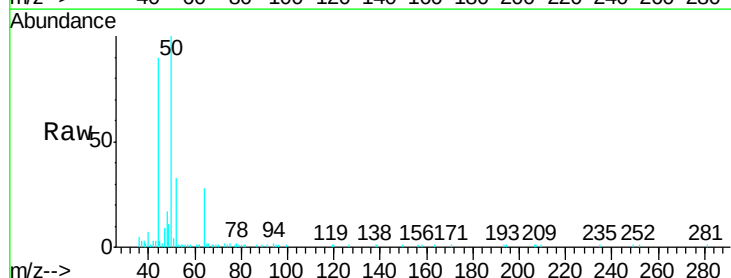
Acq: 06 Nov 2019 17:34

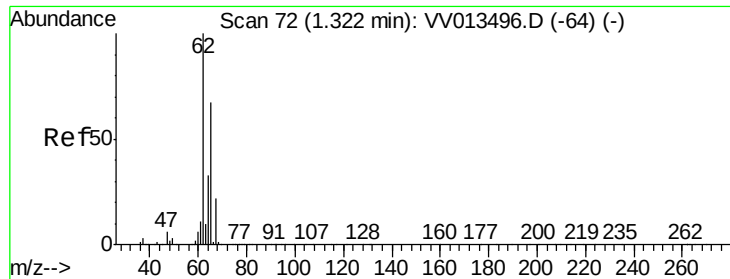
Tgt Ion: 50 Resp: 14499

Ion Ratio Lower Upper

50 100

52 33.4 22.5 41.9





#5

Vinyl chloride

Concen: 2.508 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tgt Ion: 62 Resp: 15945

Ion Ratio Lower Upper

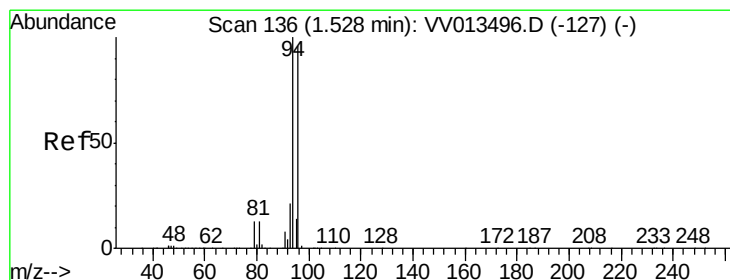
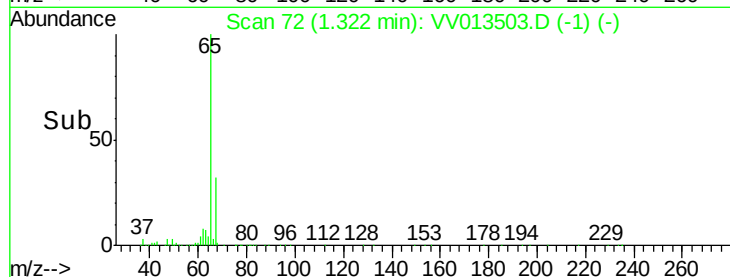
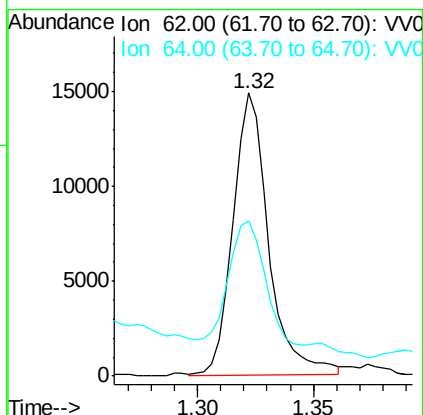
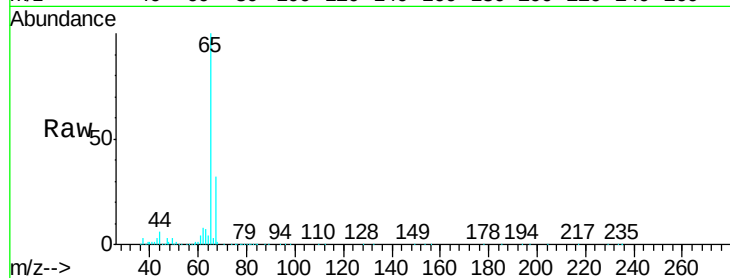
62 100

64 54.8 23.1 42.9#

Manual Integrations
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#6

Bromomethane

Concen: 2.482 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013503.D

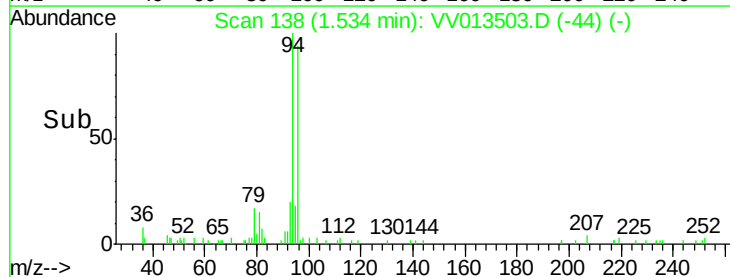
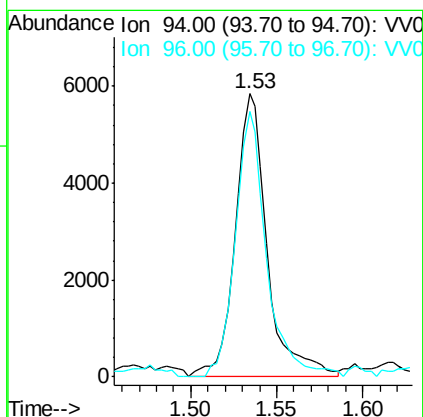
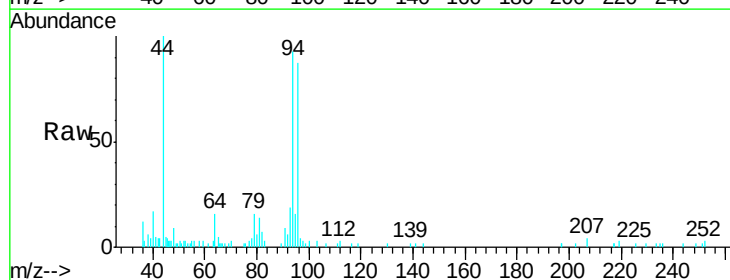
Acq: 06 Nov 2019 17:34

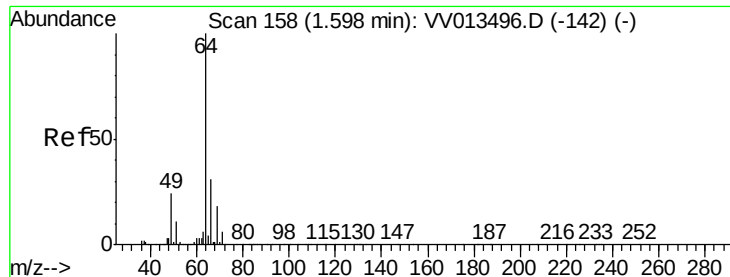
Tgt Ion: 94 Resp: 7569

Ion Ratio Lower Upper

94 100

96 93.7 67.4 125.2





#8

Chloroethane

Concen: 2.514 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 64 Resp: 8954

Ion Ratio Lower Upper

64 100

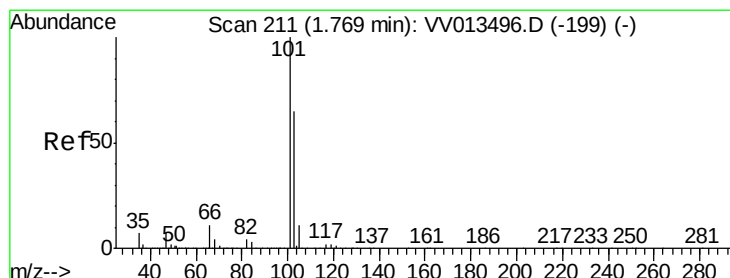
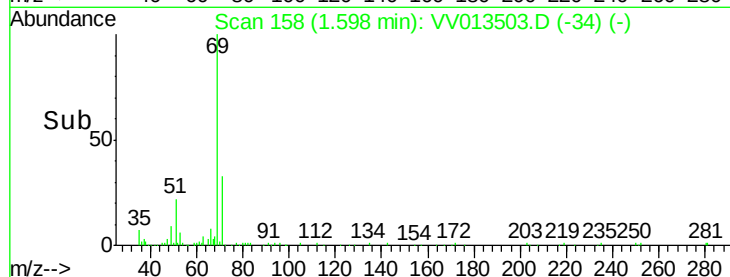
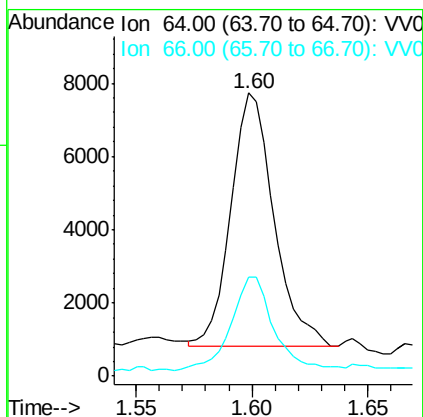
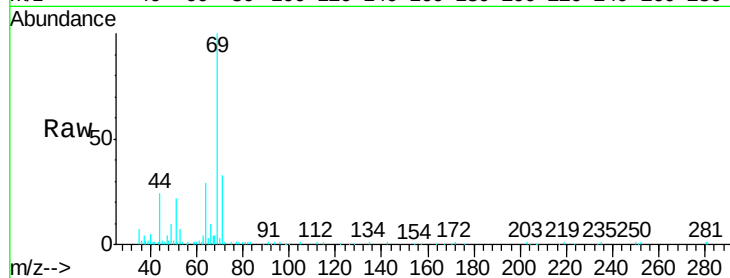
66 34.9 22.5 41.9

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.417 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013503.D

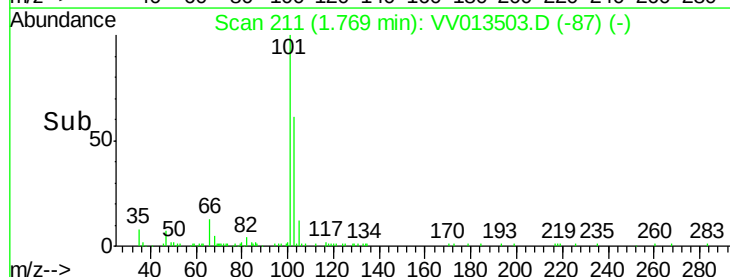
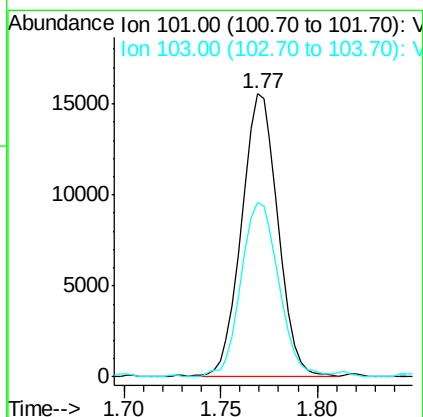
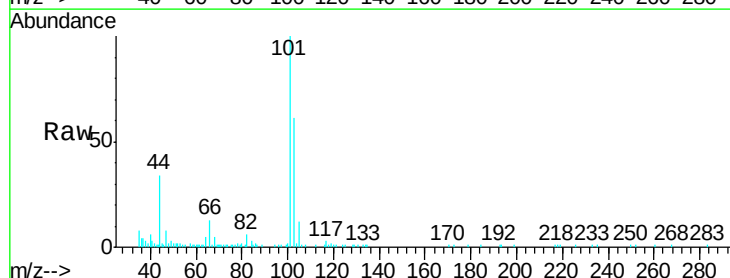
Acq: 06 Nov 2019 17:34

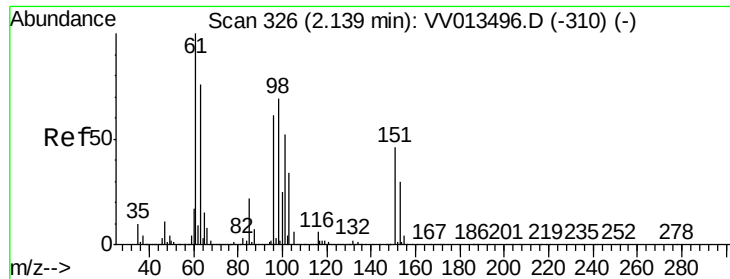
Tgt Ion: 101 Resp: 20393

Ion Ratio Lower Upper

101 100

103 63.9 52.5 78.7





#10

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

Concen: 3.064 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Instrument :

MSVOA_V

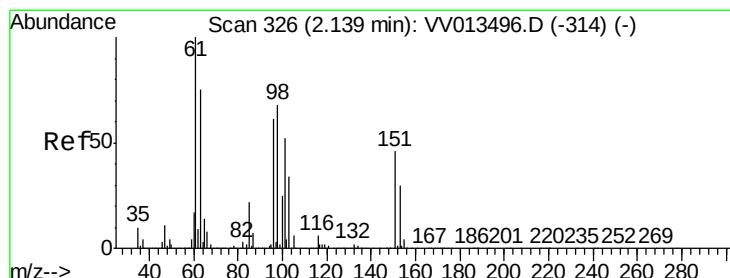
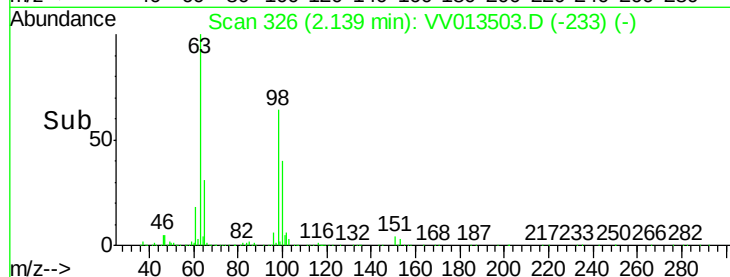
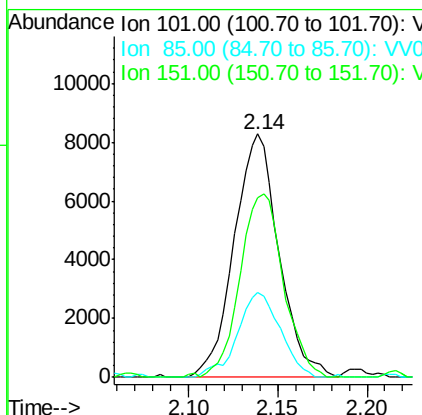
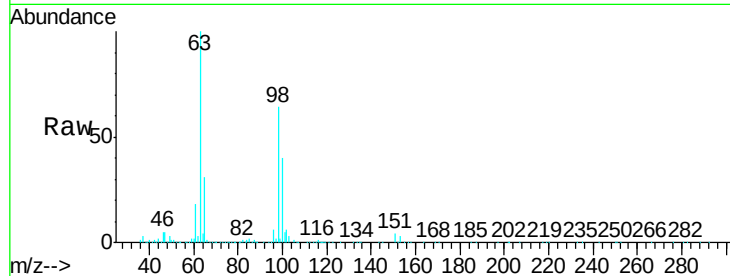
ClientSampled :

MDL06

Tgt Ion:	101	Resp:	14559
Ion Ratio	Lower	Upper	
101	100		
85	31.3	33.3	49.9#
151	73.0	69.5	104.3

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#12

1,1-Dichloroethene

Concen: 2.946 ug/L m

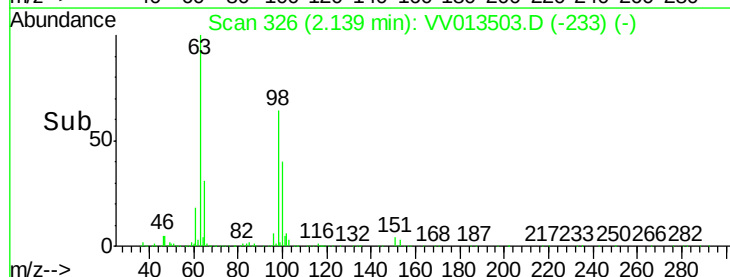
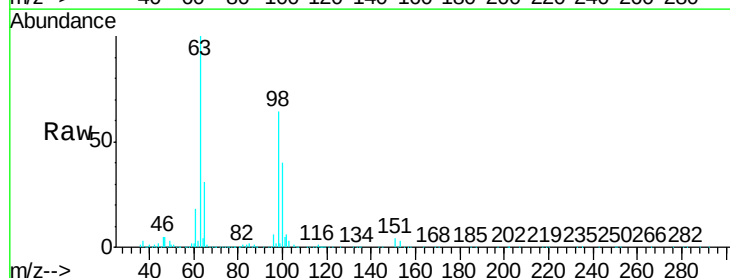
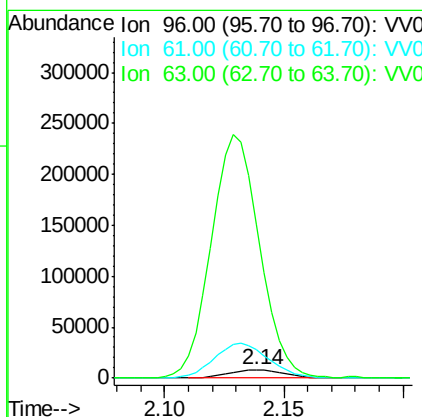
RT: 2.14 min Scan# 326

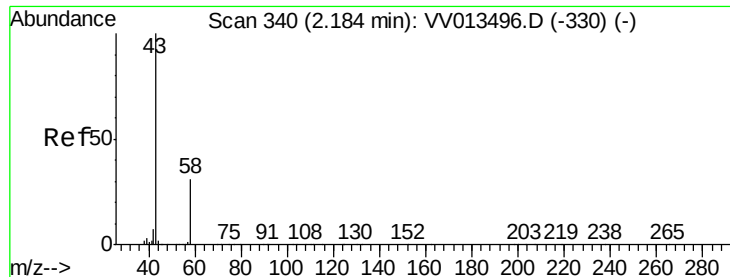
Delta R.T. 0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Tgt Ion:	96	Resp:	13364
Ion Ratio	Lower	Upper	
96	100		
61	333.6	116.9	217.1#
63	1816.6	91.5	169.9#





#13

Acetone

Concen: 4.226 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 43 Resp: 14695

Ion Ratio Lower Upper

43 100

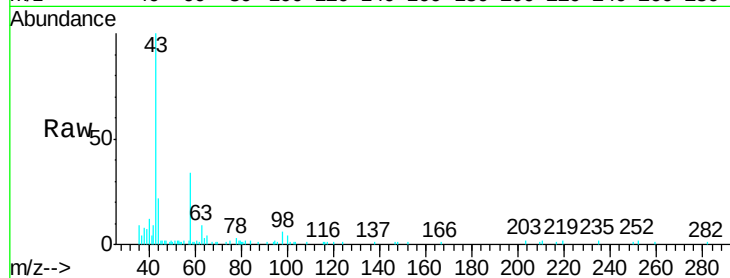
58 37.6 0.0 65.2

Manual Integrations

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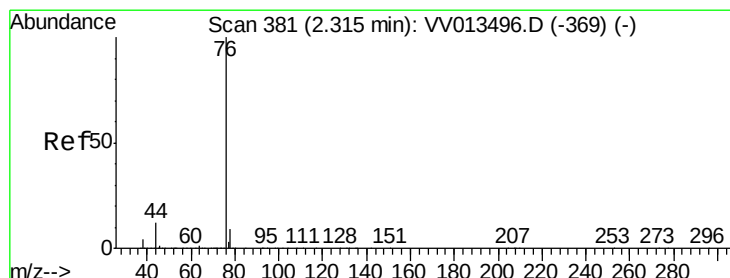
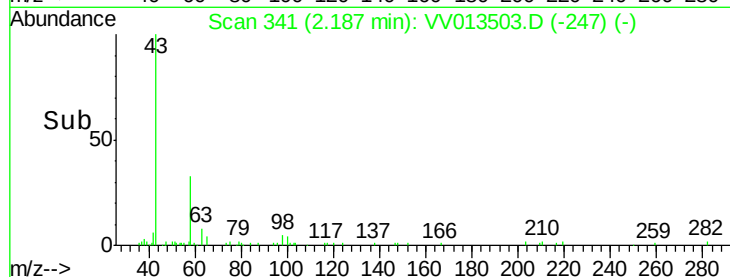
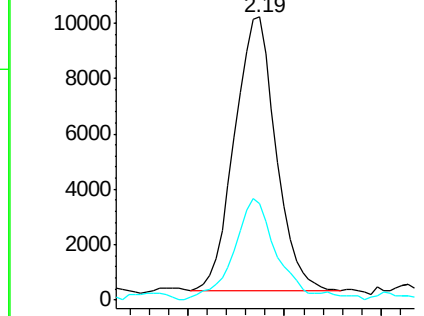
MMDadoda

11/7/2019 10:49:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VV013496.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV013496.D (-330) (-)



#14

Carbon disulfide

Concen: 2.408 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV013503.D

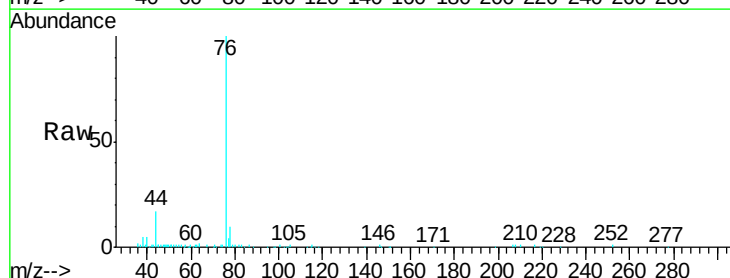
Acq: 06 Nov 2019 17:34

Tgt Ion: 76 Resp: 38228

Ion Ratio Lower Upper

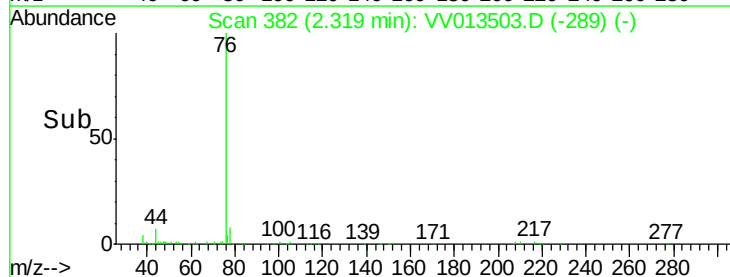
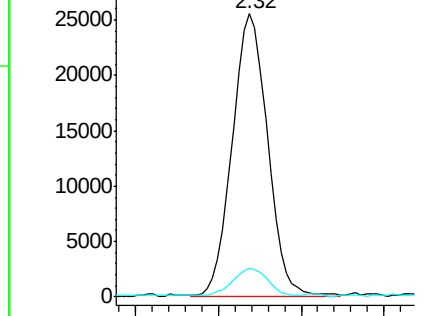
76 100

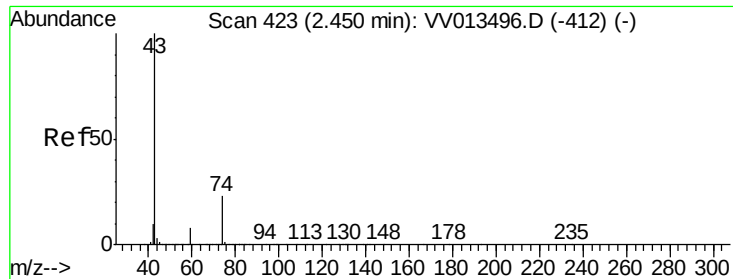
78 10.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV013496.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV013496.D (-369) (-)





#15

Methyl Acetate

Concen: 2.252 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 43 Resp: 14287

Ion Ratio Lower Upper

43 100

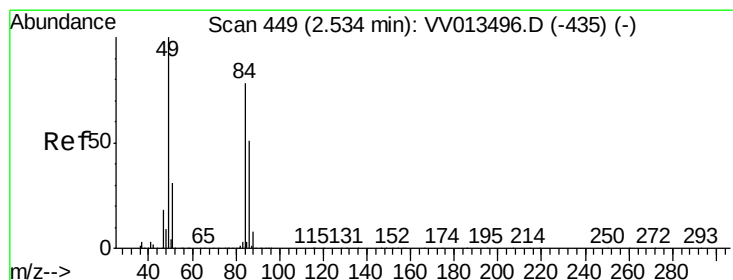
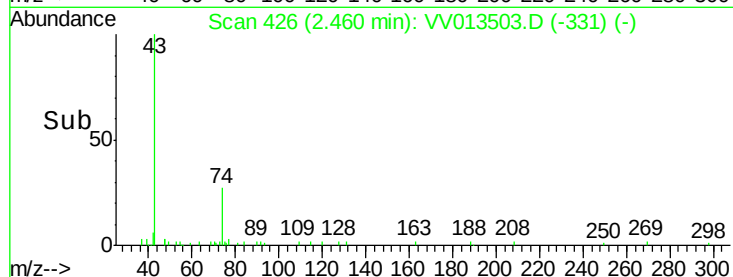
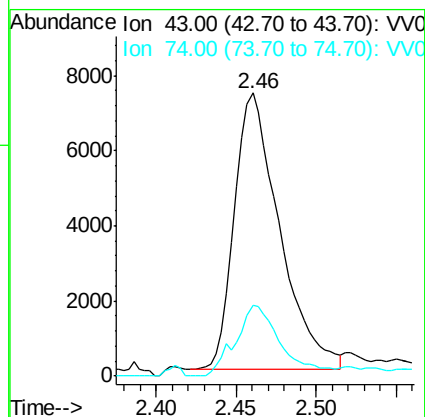
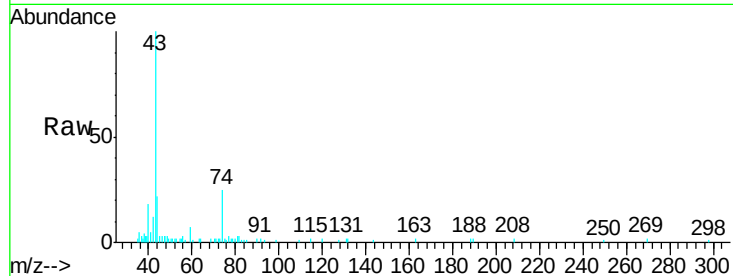
74 19.3 17.7 26.5

Manual Integrations

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#16

Methylene chloride

Concen: 2.622 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

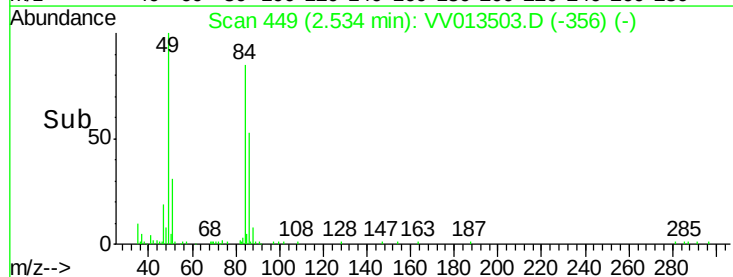
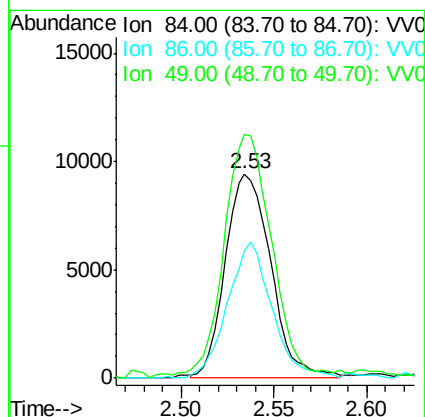
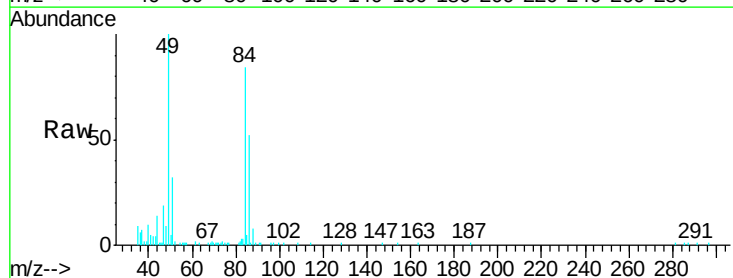
Tgt Ion: 84 Resp: 16095

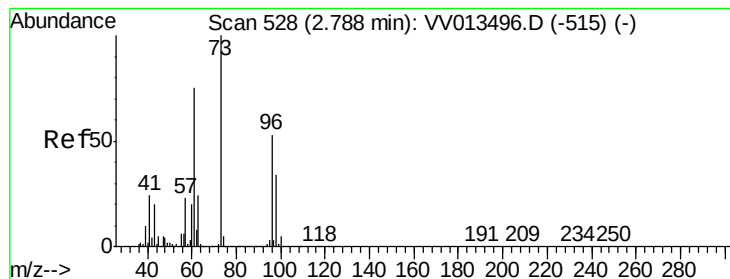
Ion Ratio Lower Upper

84 100

86 62.1 44.7 83.1

49 119.1 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 2.359 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.01 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Instrument :

MSVOA_V

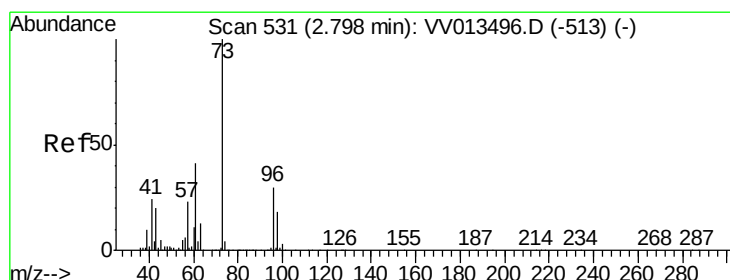
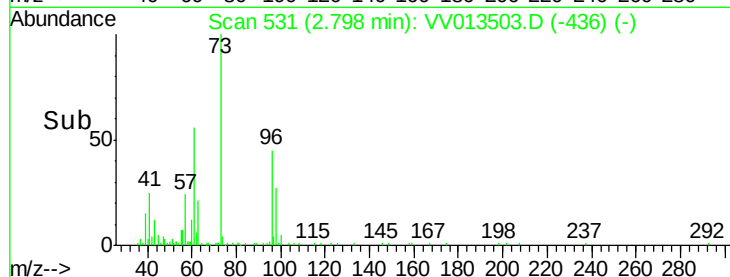
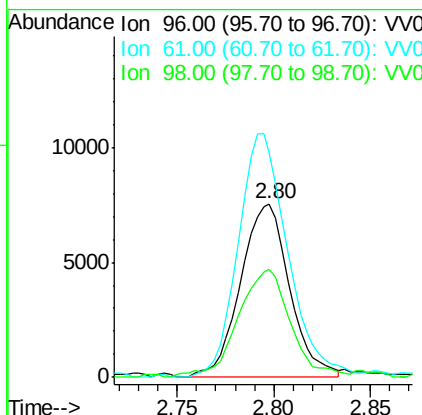
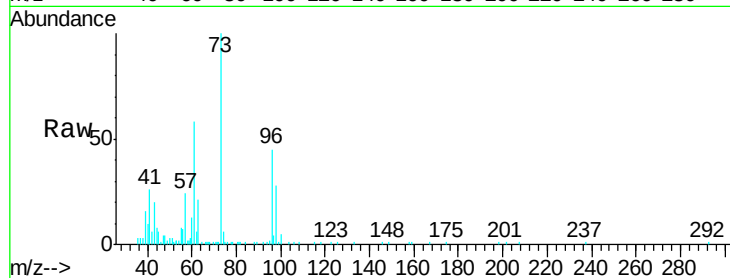
ClientSampled :

MDL06

Tgt Ion:	96	Resp:	13327
Ion Ratio	Lower	Upper	
96	100		
61	129.2	100.4	186.6
98	62.4	44.7	83.1

Manual Integrations
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#18

Methyl tert-butyl Ether

Concen: 2.212 ug/L

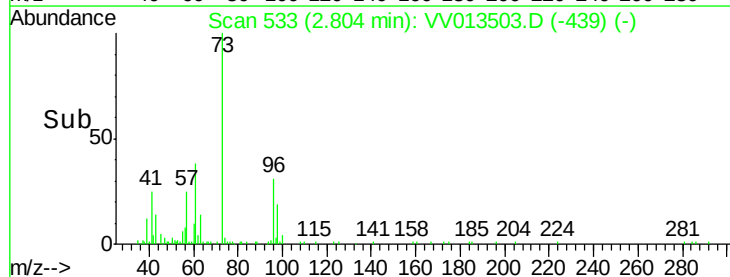
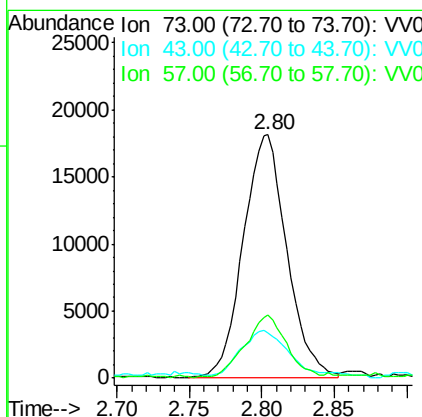
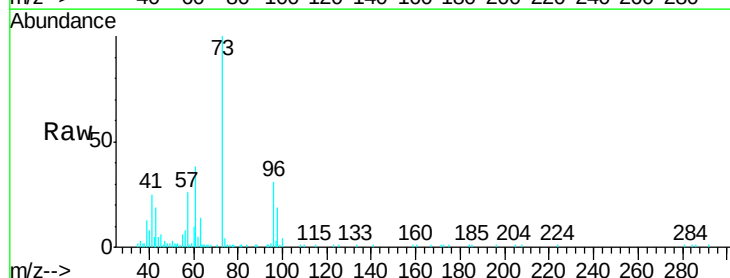
RT: 2.80 min Scan# 533

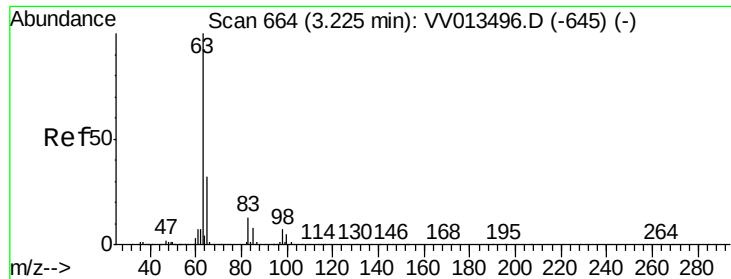
Delta R.T. 0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Tgt Ion:	73	Resp:	38096
Ion Ratio	Lower	Upper	
73	100		
43	18.7	15.7	23.5
57	24.8	18.1	27.1





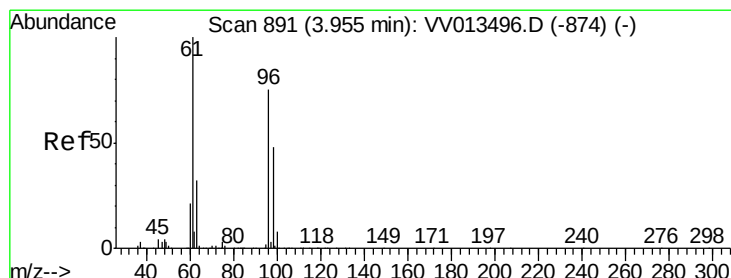
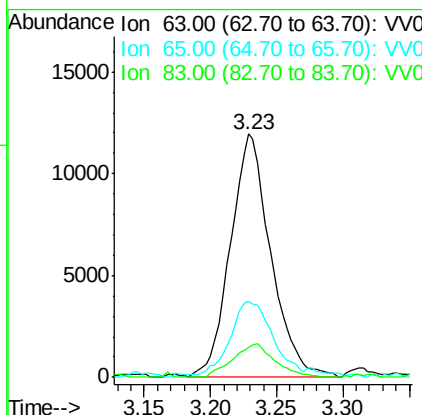
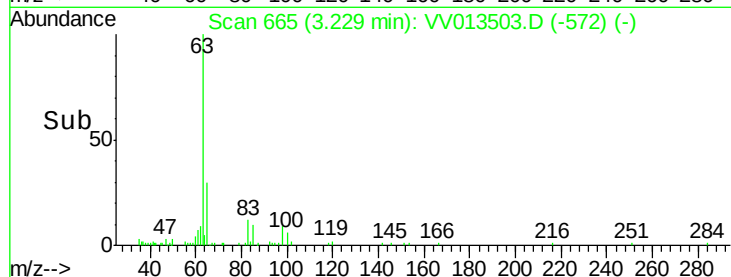
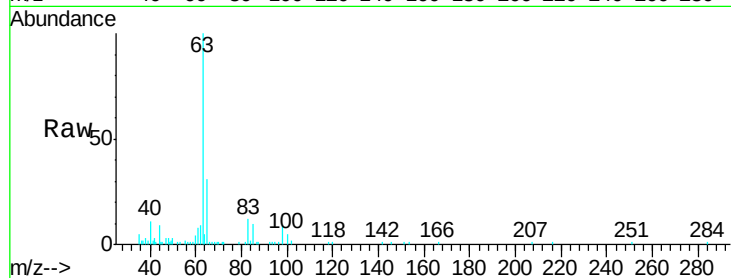
#19
 1,1-Dichloroethane
 Concen: 2.348 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013503.D
 Acq: 06 Nov 2019 17:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.2	41.2
83	12.1	8.9	16.5

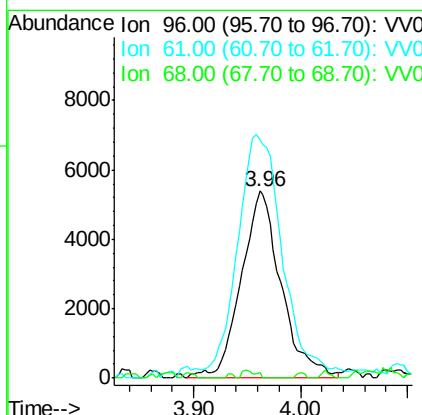
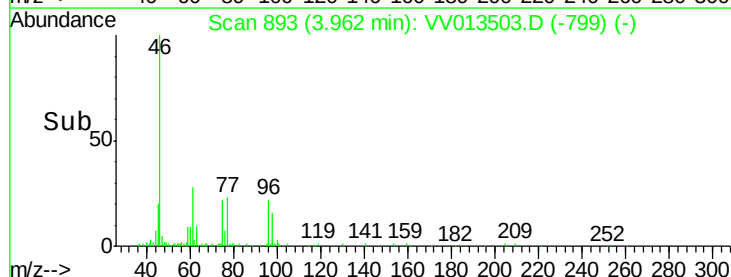
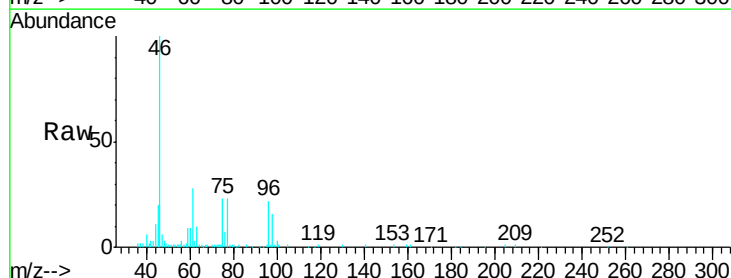
Manual Integrations
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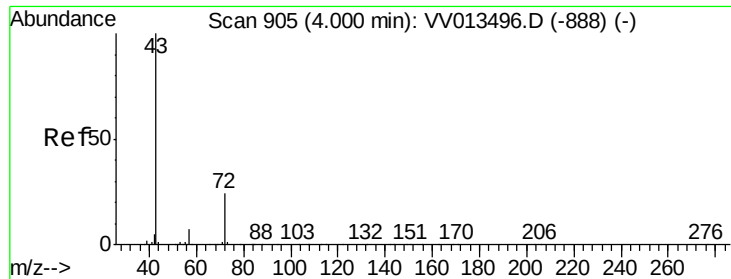
MMDadoda
 11/7/2019 10:49:58 AM



#20
 cis-1,2-Dichloroethene
 Concen: 2.279 ug/L m
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV013503.D
 Acq: 06 Nov 2019 17:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.7	92.1	171.1
68	2.6	0.0	0.0#





#22

2-Butanone

Concen: 3.785 ug/L m

RT: 4.04 min Scan# 916

Delta R.T. 0.03 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 43 Resp: 17432

Ion Ratio Lower Upper

43 100

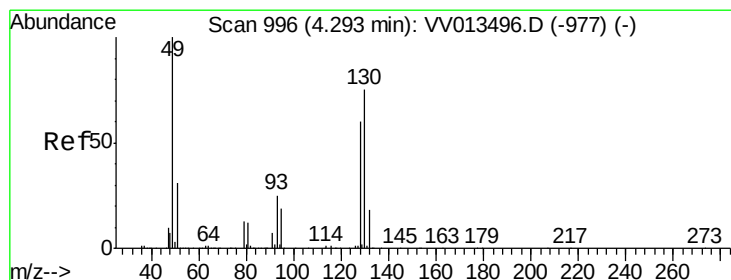
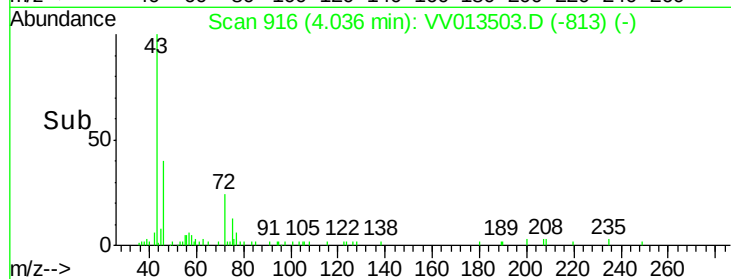
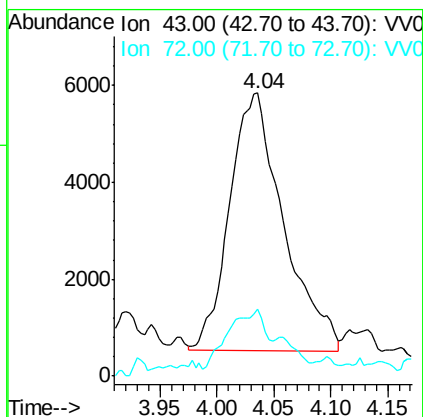
72 0.1 12.3 36.9#

Manual Integrations

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#23

Bromochloromethane

Concen: 2.446 ug/L m

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Tgt Ion: 128 Resp: 7974

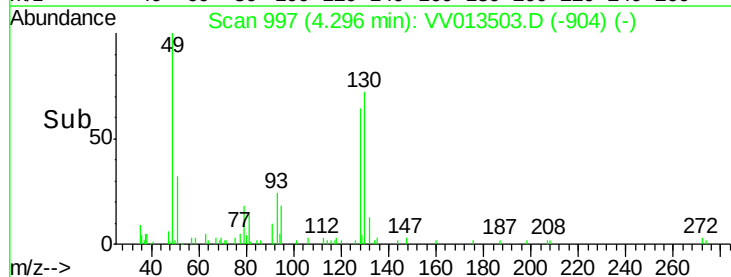
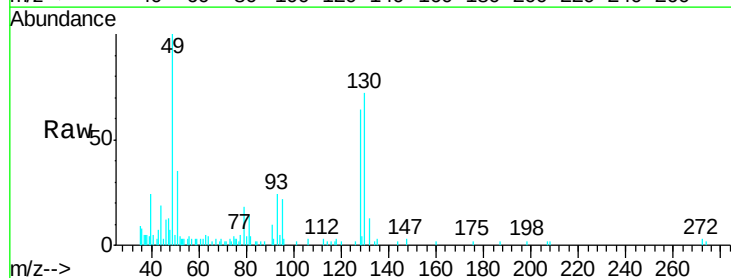
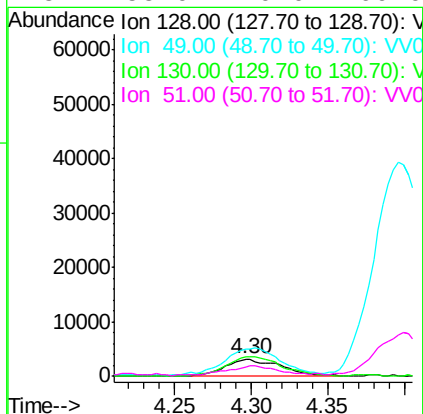
Ion Ratio Lower Upper

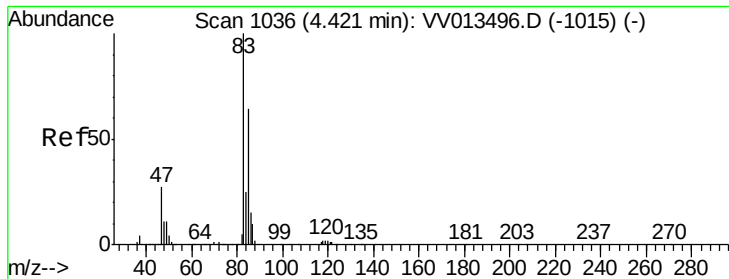
128 100

49 157.0 115.8 215.2

130 113.1 89.1 165.5

51 55.0 40.0 60.0





#25

Chloroform

Concen: 4.482 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 83 Resp: 49669

Ion Ratio Lower Upper

83 100

85 68.8

44.4

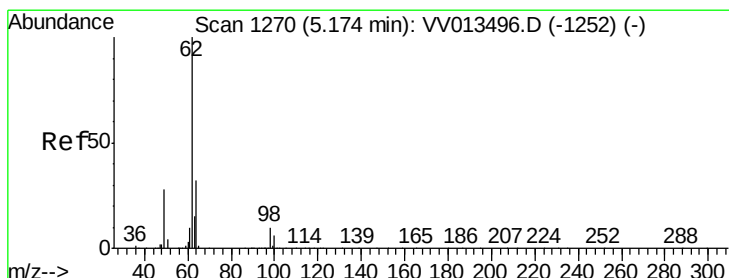
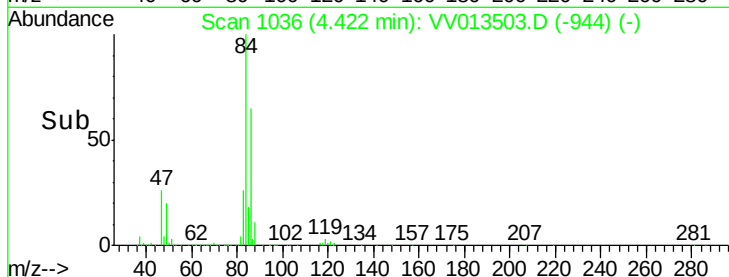
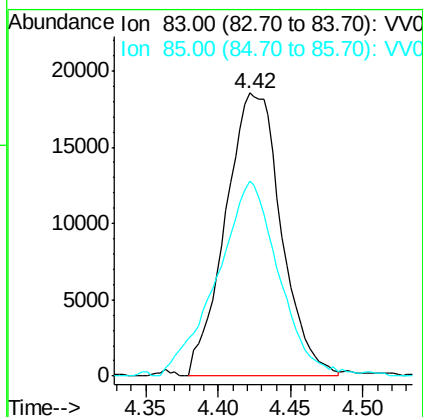
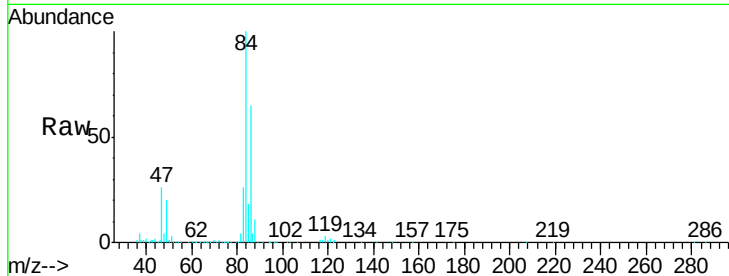
82.5

Manual Integrations

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#27

1,2-Dichloroethane

Concen: 2.266 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Tgt Ion: 62 Resp: 19246

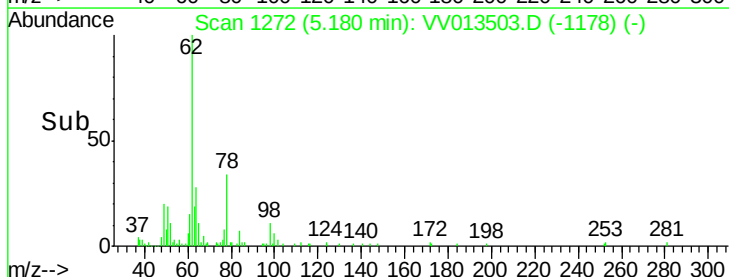
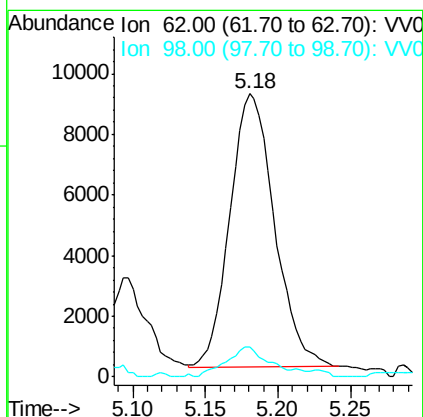
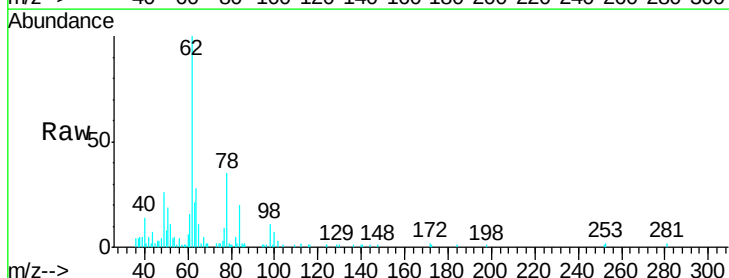
Ion Ratio Lower Upper

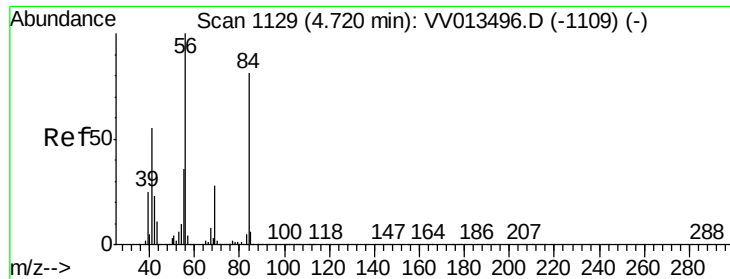
62 100

98 10.8

8.2

12.4





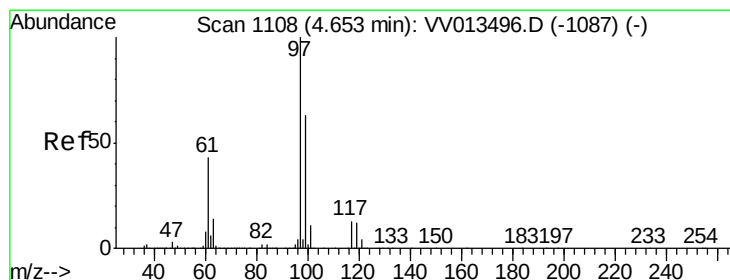
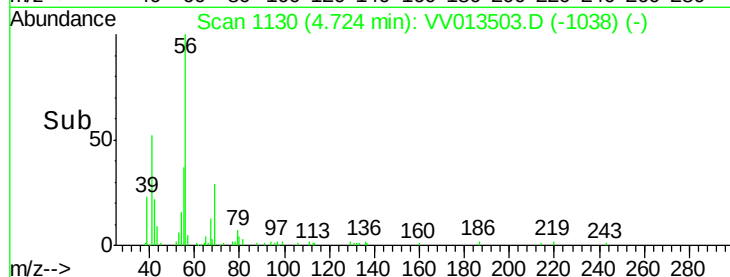
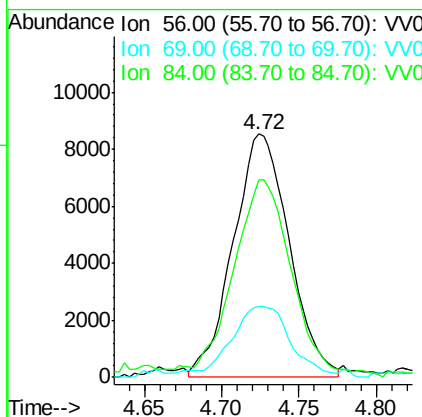
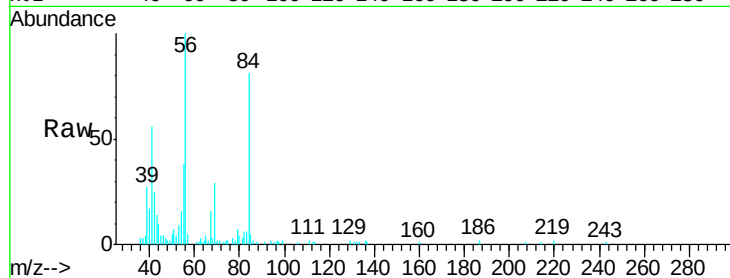
#29
Cyclohexane
Concen: 2.258 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV013503.D
Acq: 06 Nov 2019 17:34

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.7	35.5
84	77.5	66.3	99.5

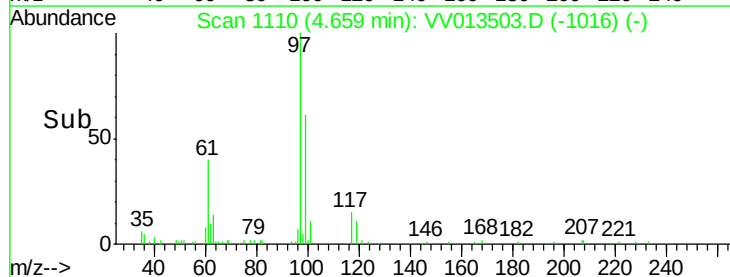
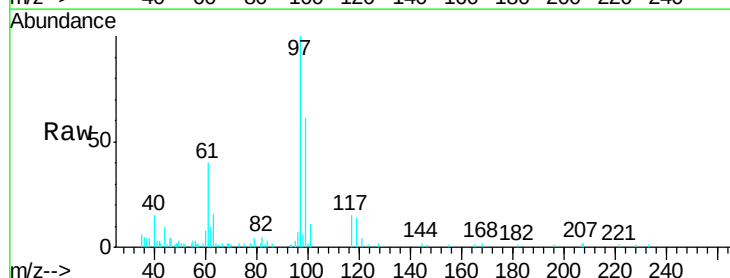
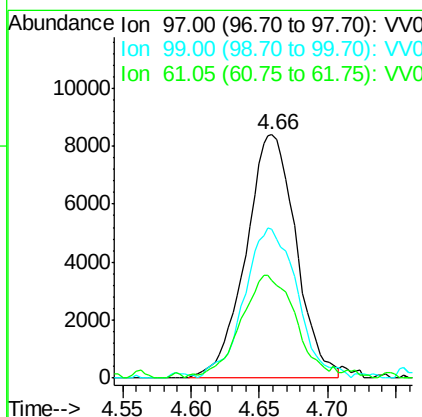
Manual Integrations
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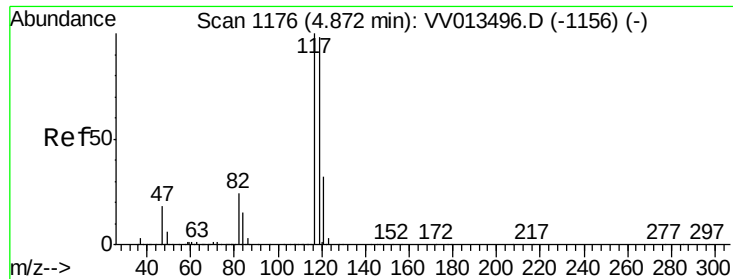
MMDadoda
11/7/2019 10:49:58 AM



#30
1,1,1-Trichloroethane
Concen: 2.327 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV013503.D
Acq: 06 Nov 2019 17:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.0	78.0
61	45.5	35.8	53.8





#31

Carbon tetrachloride

Concen: 2.261 ug/L m

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion:117 Resp: 18615

Ion Ratio Lower Upper

117 100

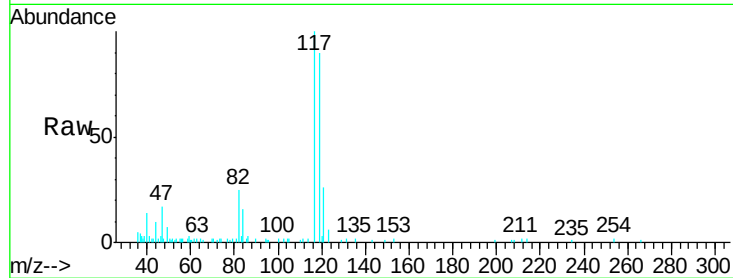
119 96.9 77.6 116.4

Manual Integrations

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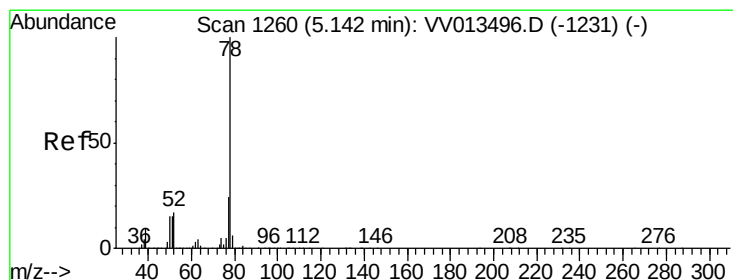
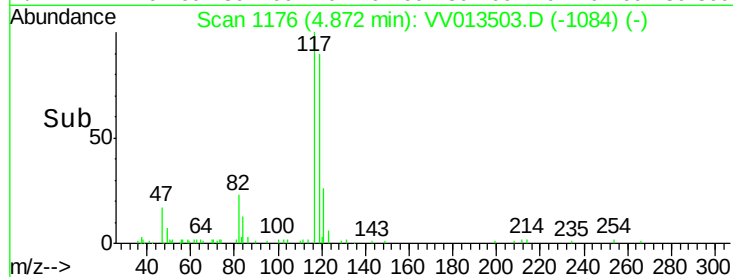
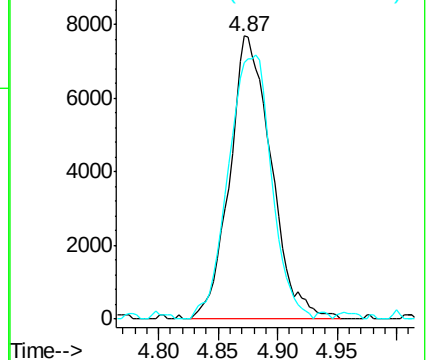
MMDadoda

11/7/2019 10:49:58 AM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.341 ug/L

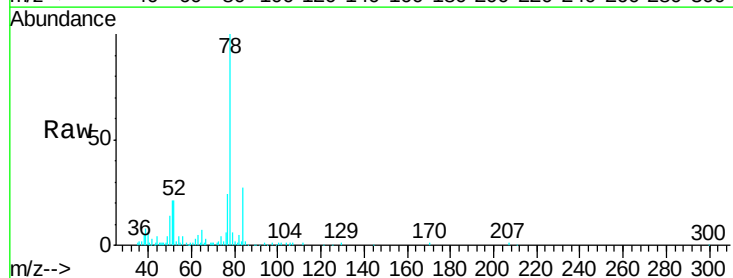
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

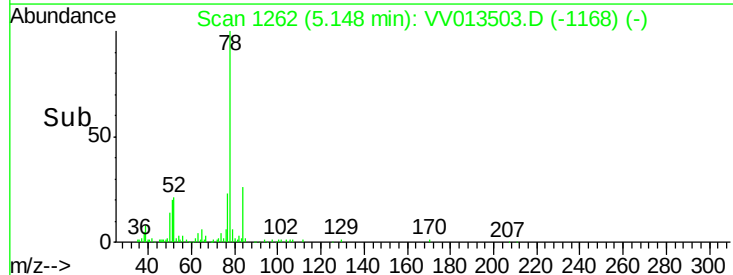
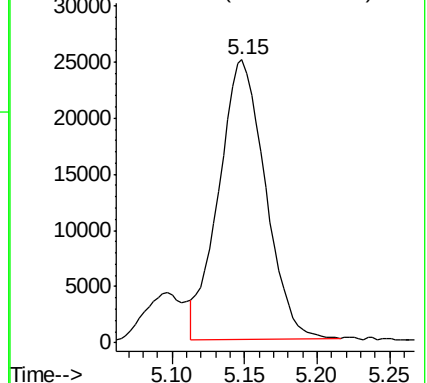
Lab File: VV013503.D

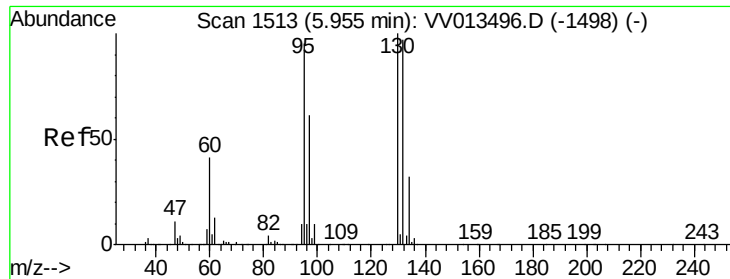
Acq: 06 Nov 2019 17:34

Tgt Ion: 78 Resp: 55135



Abundance Ion 78.00 (77.70 to 78.70): VV0





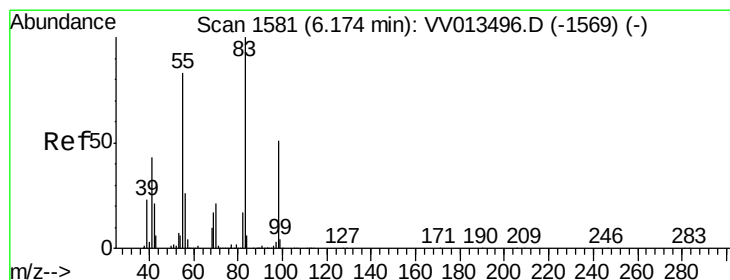
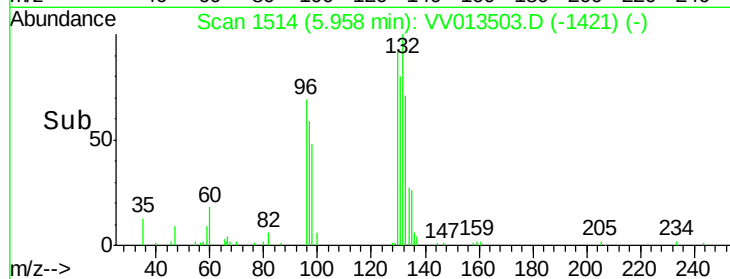
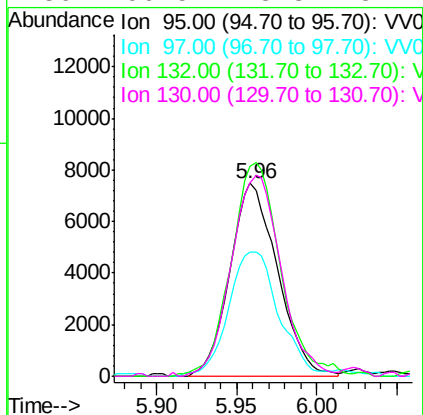
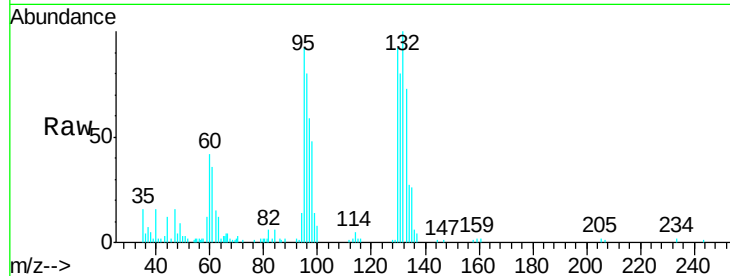
#34
 Trichloroethene
 Concen: 2.433 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013503.D
 Acq: 06 Nov 2019 17:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	15226		
97	64.4	45.1	83.7	
132	108.9	71.7	133.1	
130	100.5	73.8	137.2	

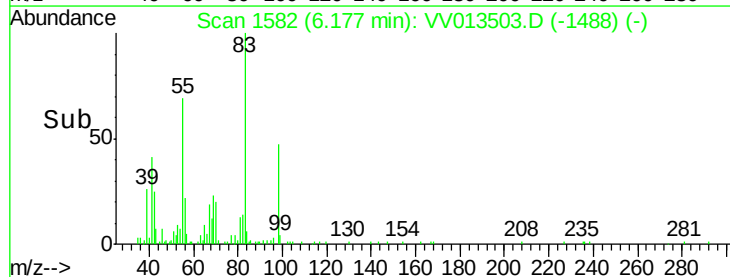
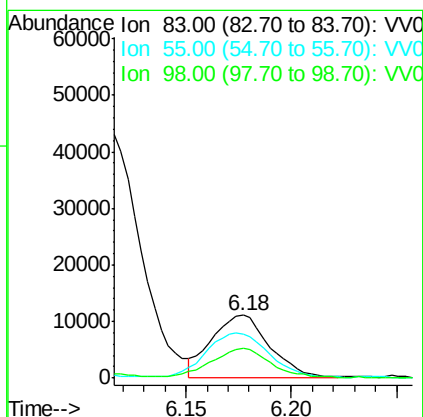
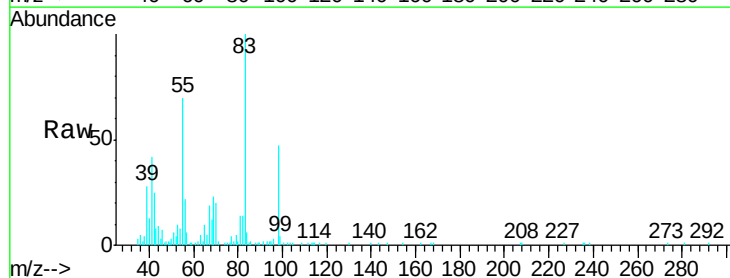
Manual Integrations
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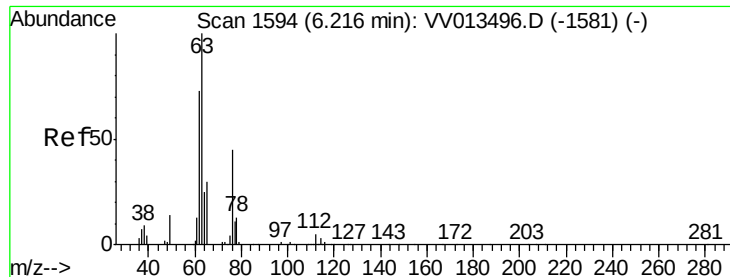
MMDadoda
 11/7/2019 10:49:58 AM



#35
 Methylcyclohexane
 Concen: 2.158 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV013503.D
 Acq: 06 Nov 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	20825		
55	78.2	63.4	95.0	
98	50.1	38.6	58.0	





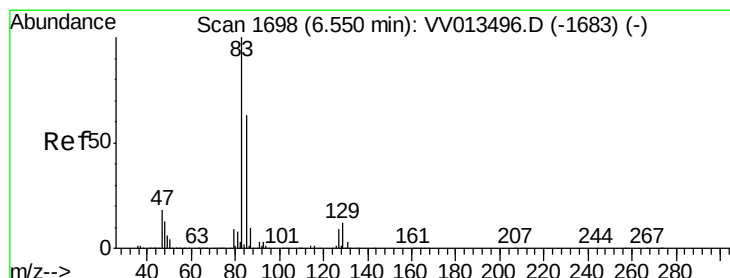
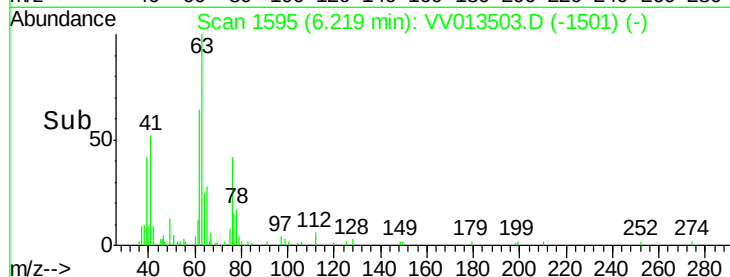
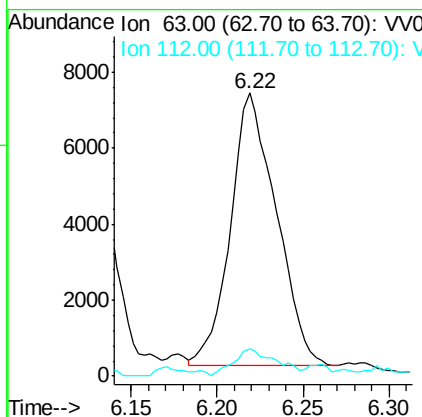
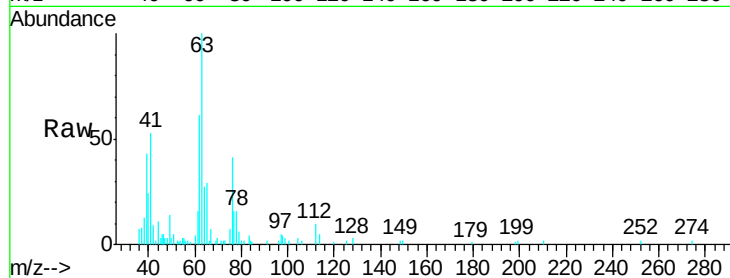
#37
 1,2-Dichloropropane
 Concen: 2.154 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013503.D
 Acq: 06 Nov 2019 17:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion	Ratio	Lower	Upper
63	100		
112	8.1	3.9	5.9#

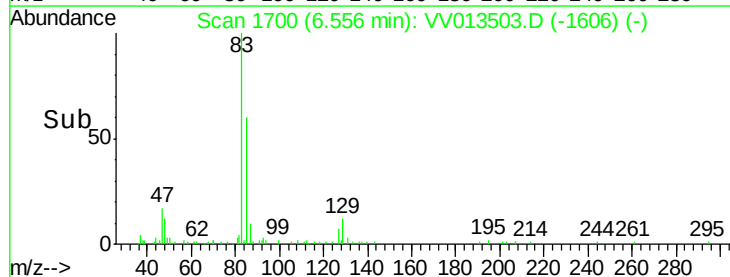
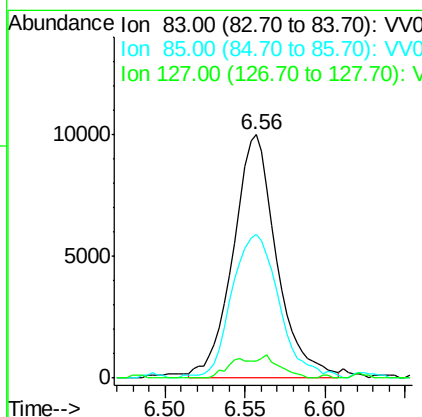
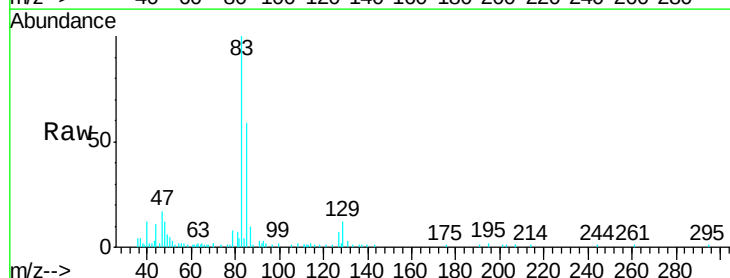
Manual Integrations
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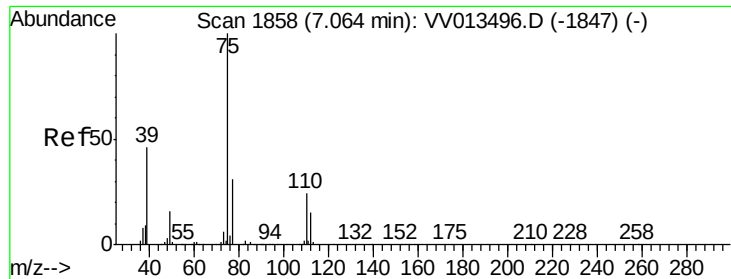
MMDadoda
 11/7/2019 10:49:58 AM



#38
 Bromodichloromethane
 Concen: 2.282 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV013503.D
 Acq: 06 Nov 2019 17:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.8	44.8	83.2
127	7.1	7.1	10.7#





#39

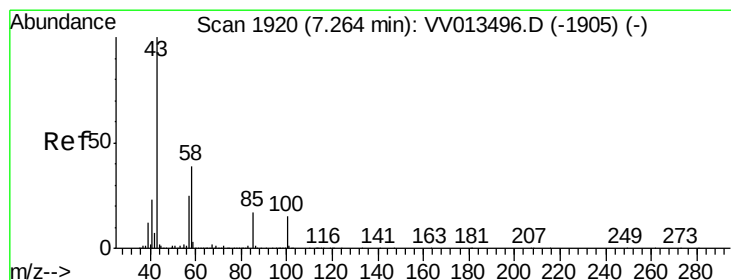
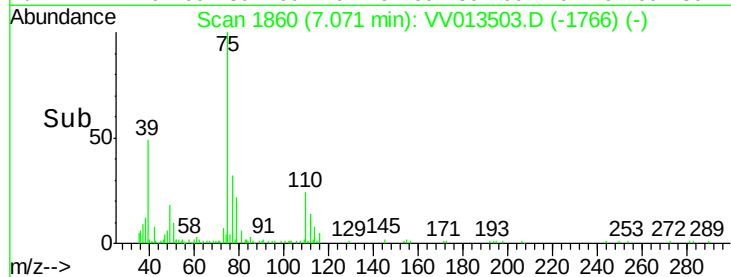
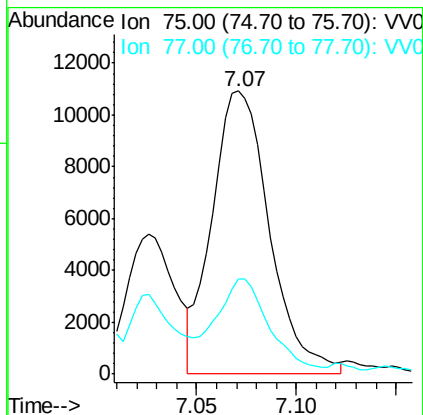
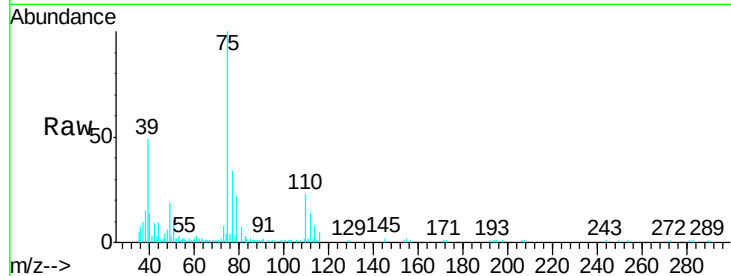
cis-1,3-Dichloropropene
Concen: 2.336 ug/L m
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV013503.D
Acq: 06 Nov 2019 17:34

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion: 75 Resp: 21994
Ion Ratio Lower Upper
75 100
77 33.6 22.0 40.8

Manual Integrations
APPROVED

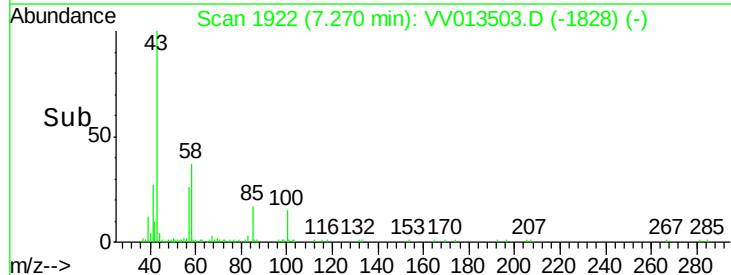
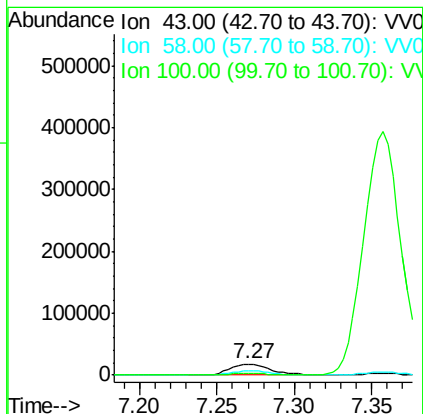
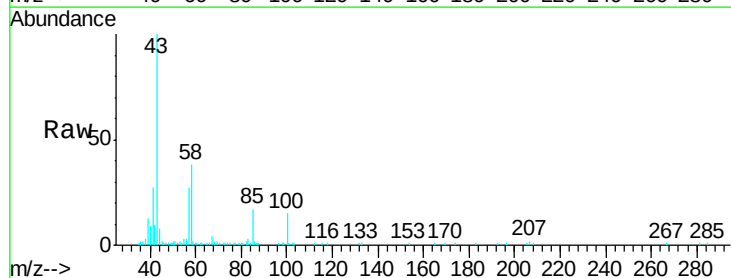
MMDadoda
11/7/2019 10:49:58 AM

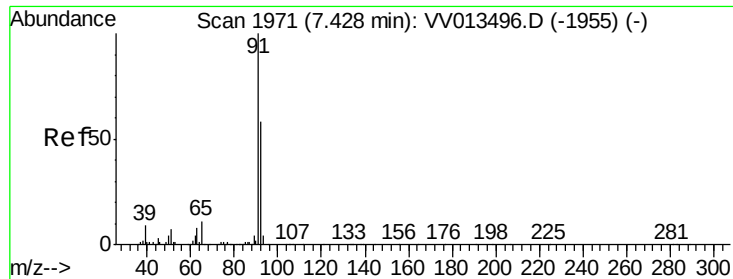


#40

4-Methyl-2-pentanone
Concen: 4.247 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV013503.D
Acq: 06 Nov 2019 17:34

Tgt Ion: 43 Resp: 33939
Ion Ratio Lower Upper
43 100
58 39.0 31.0 46.4
100 13.7 12.2 18.2





#42

Toluene

Concen: 2.354 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 91 Resp: 57787

Ion Ratio Lower Upper

91 100

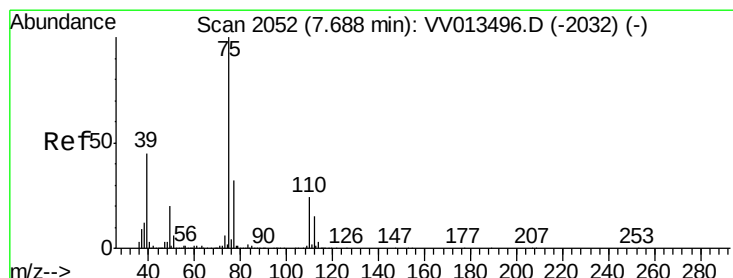
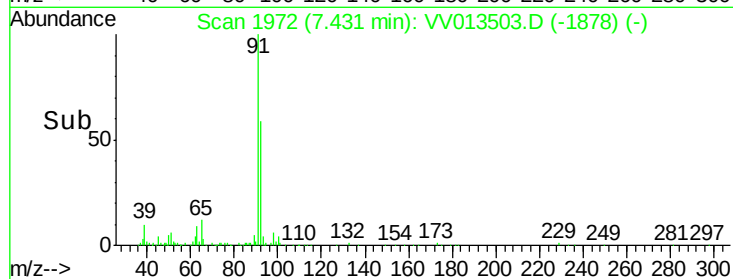
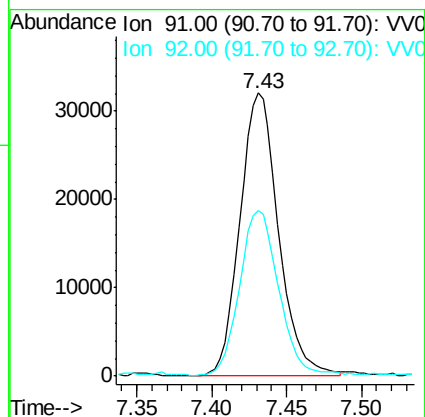
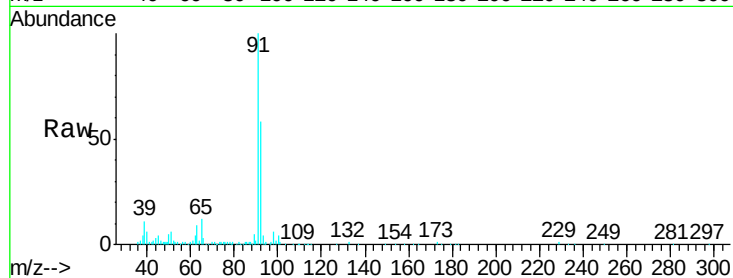
92 58.4 41.3 76.7

Manual Integrations

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#44

trans-1,3-Dichloropropene

Concen: 2.304 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013503.D

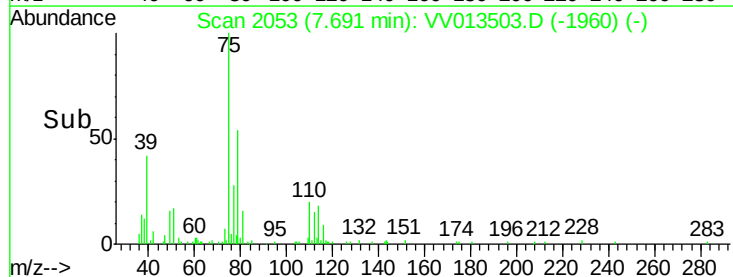
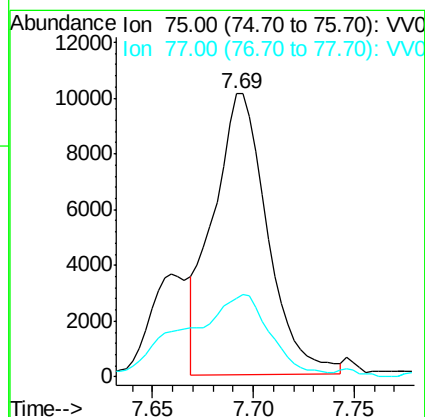
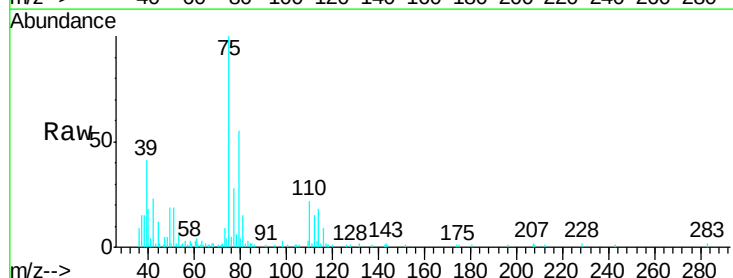
Acq: 06 Nov 2019 17:34

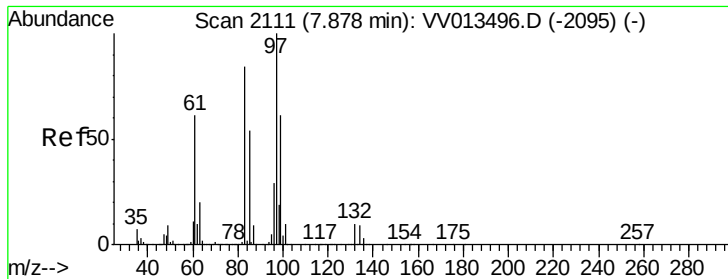
Tgt Ion: 75 Resp: 18881

Ion Ratio Lower Upper

75 100

77 27.8 22.0 41.0





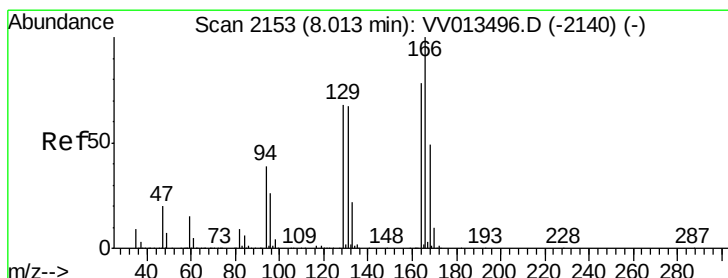
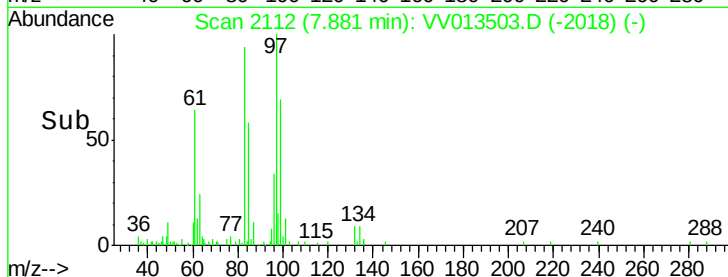
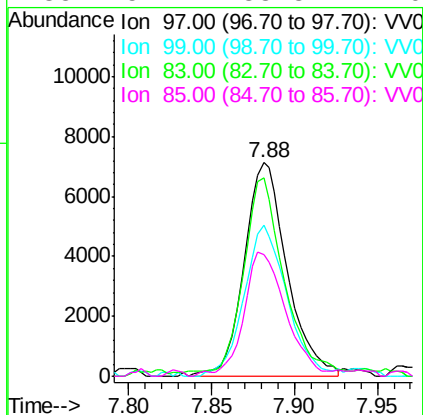
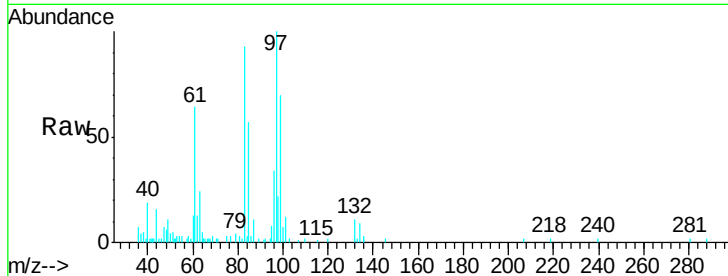
#45
 1,1,2-Trichloroethane
 Concen: 2.207 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013503.D
 Acq: 06 Nov 2019 17:34

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	70.5	43.8	81.4
83	92.6	59.1	109.9
85	57.1	38.8	72.0

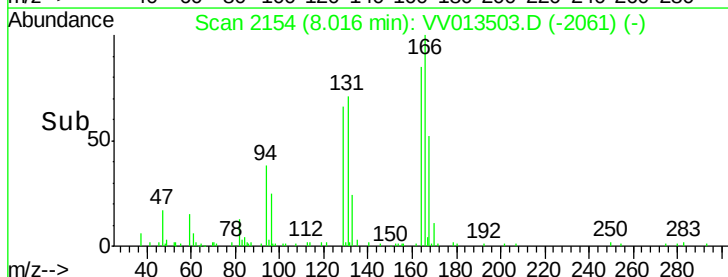
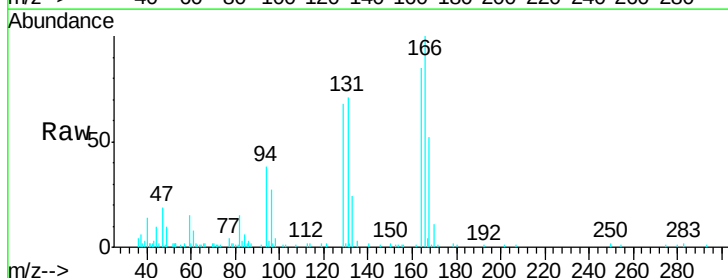
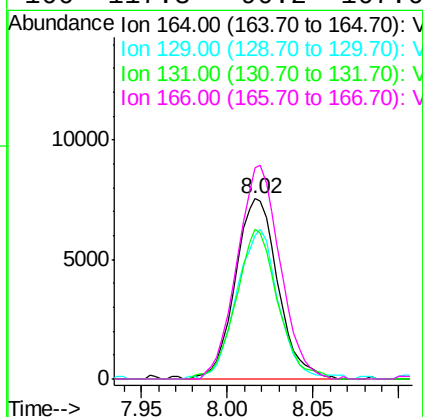
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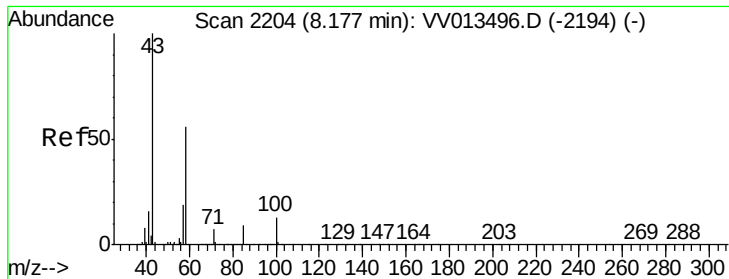
MMDadoda
 11/7/2019 10:49:58 AM



#46
 Tetrachloroethene
 Concen: 2.450 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013503.D
 Acq: 06 Nov 2019 17:34

Tgt Ion	Ratio	Lower	Upper
164	100		
129	79.3	61.5	114.3
131	83.3	60.6	112.6
166	117.3	90.2	167.6





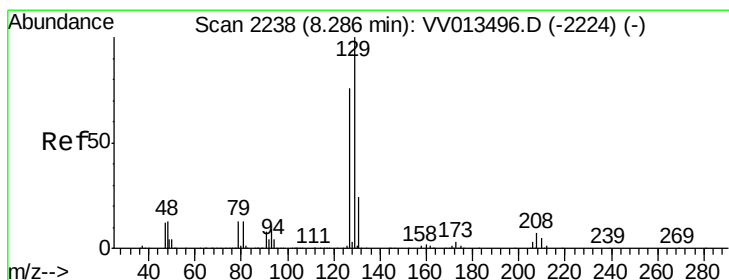
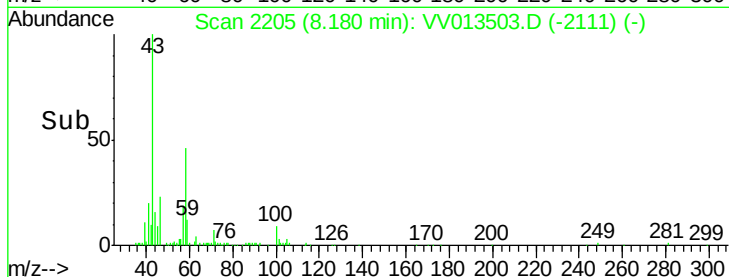
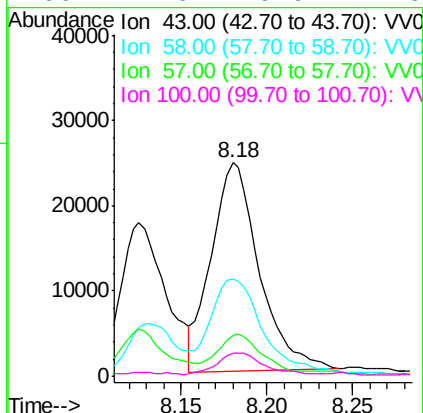
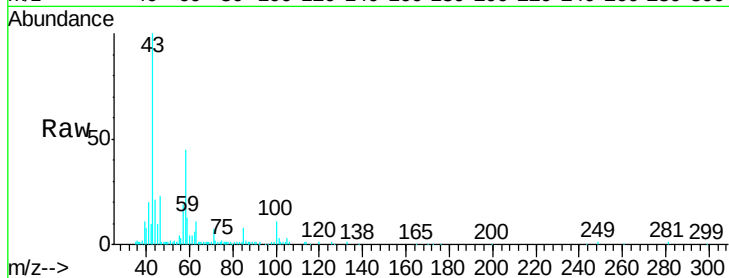
#48
2-Hexanone
Concen: 7.527 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV013503.D
Acq: 06 Nov 2019 17:34

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.3	43.4	65.0
57	16.2	15.2	22.8
100	11.6	9.9	14.9

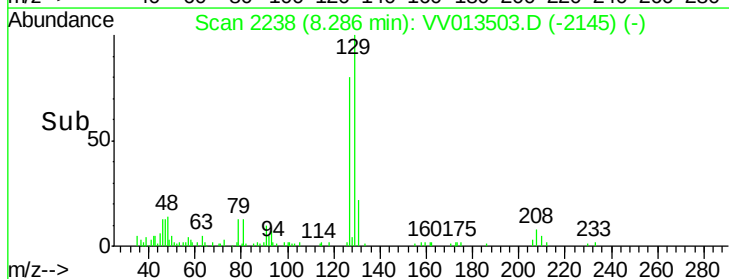
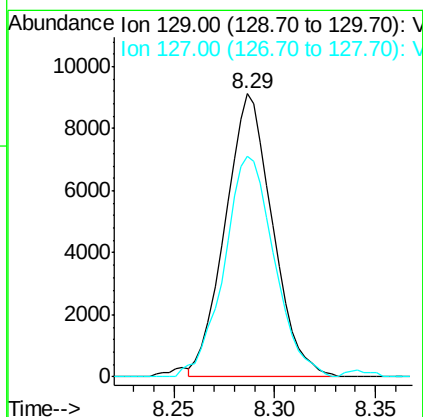
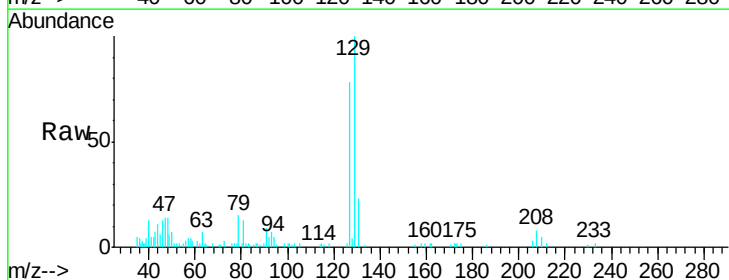
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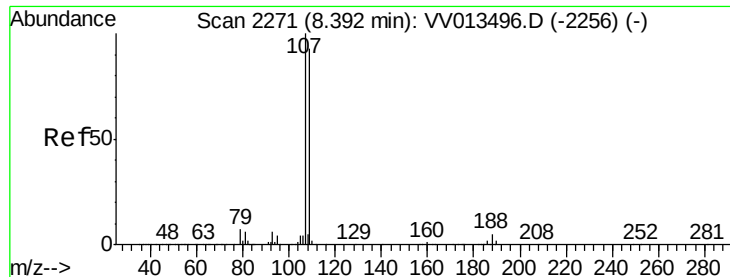
MMDadoda
11/7/2019 10:49:58 AM



#49
Dibromochloromethane
Concen: 2.247 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013503.D
Acq: 06 Nov 2019 17:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.6	52.5	97.5





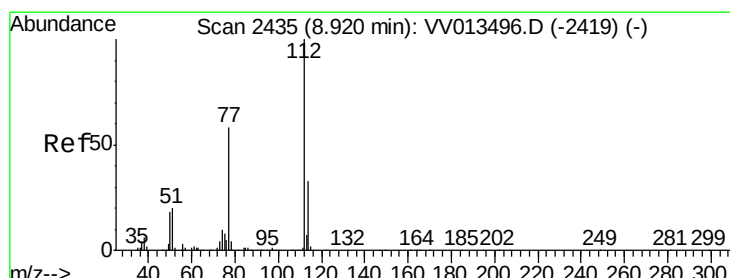
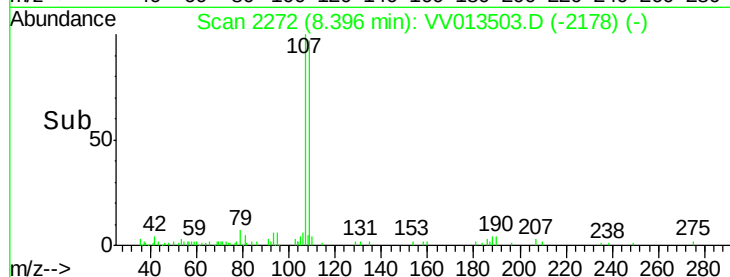
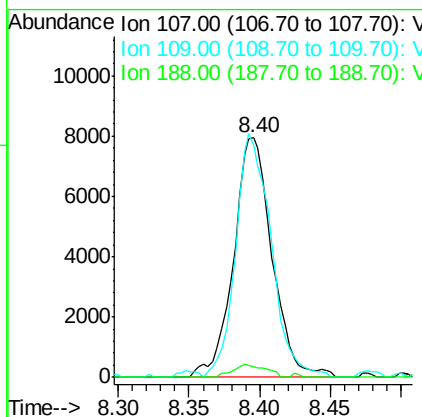
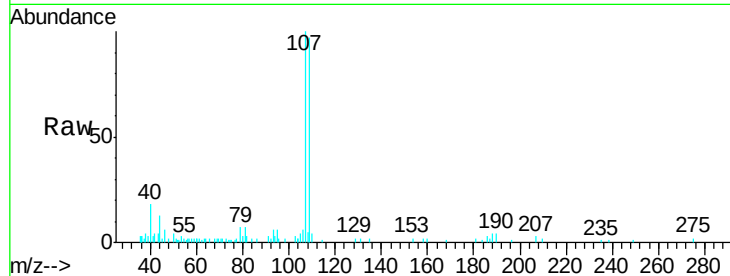
#50
1,2-Dibromoethane
Concen: 2.464 ug/L m
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013503.D
Acq: 06 Nov 2019 17:34

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.9	65.7	122.1
188	4.3	3.5	5.3

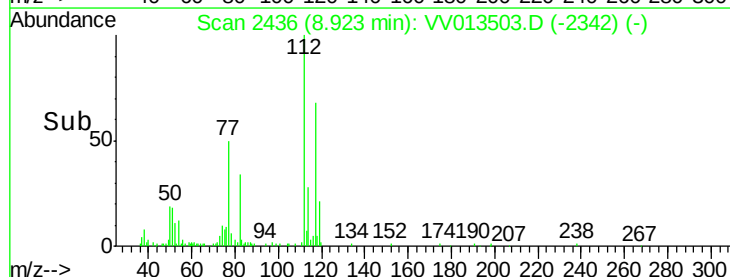
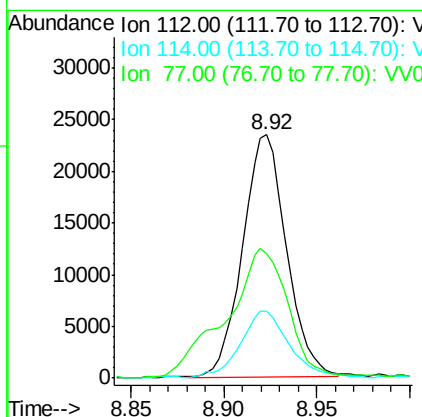
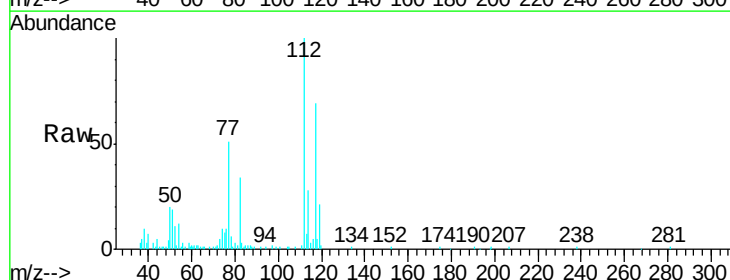
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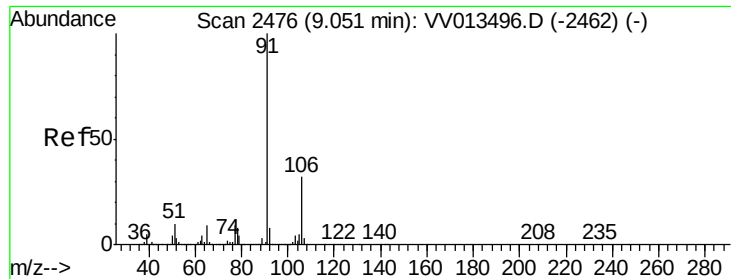
MMDadoda
11/7/2019 10:49:58 AM



#51
Chlorobenzene
Concen: 2.361 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013503.D
Acq: 06 Nov 2019 17:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	27.6	22.8	42.4
77	51.0	46.7	70.1





#52

Ethylbenzene

Concen: 2.107 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 91 Resp: 56119

Ion Ratio Lower Upper

91 100

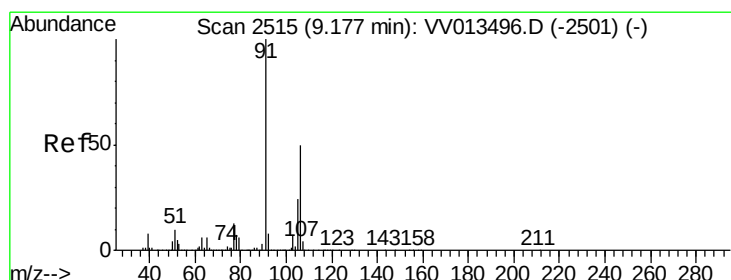
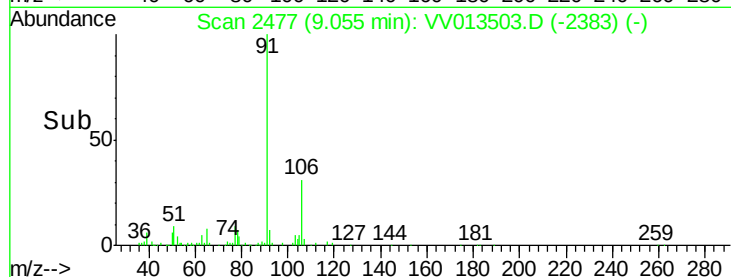
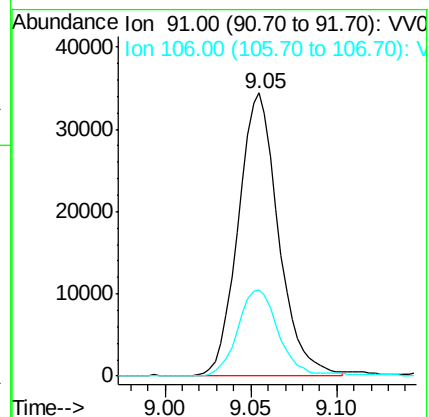
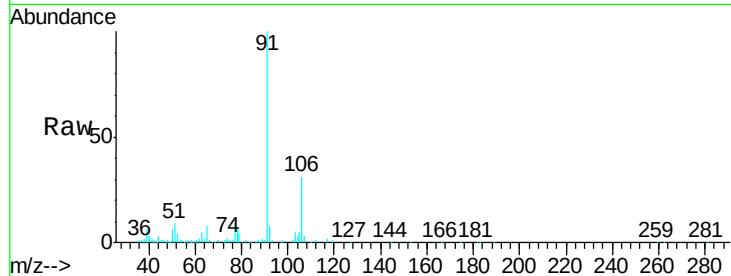
106 30.6 22.0 40.8

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#53

m,p-Xylene

Concen: 1.930 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013503.D

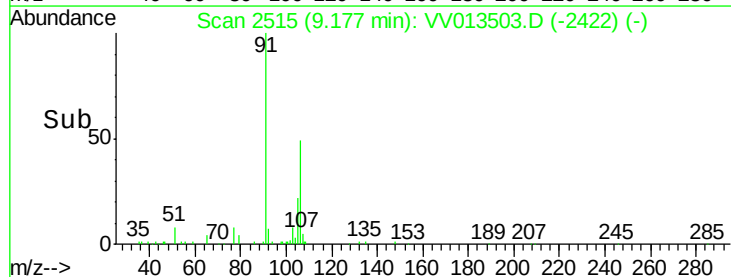
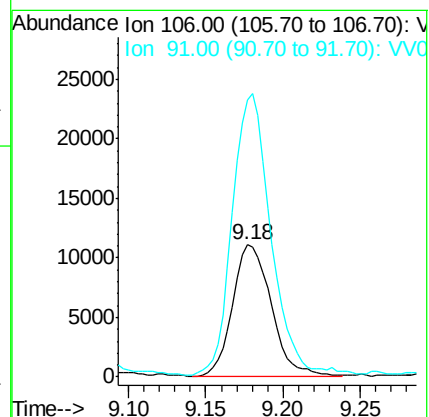
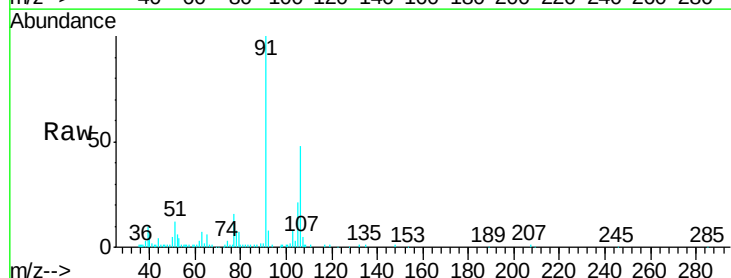
Acq: 06 Nov 2019 17:34

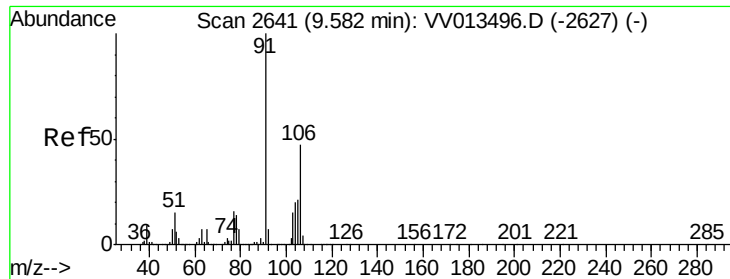
Tgt Ion: 106 Resp: 19507

Ion Ratio Lower Upper

106 100

91 209.7 141.6 263.0





#54

o-xylene

Concen: 1.864 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tgt Ion:106 Resp: 18072

Ion Ratio Lower Upper

106 100

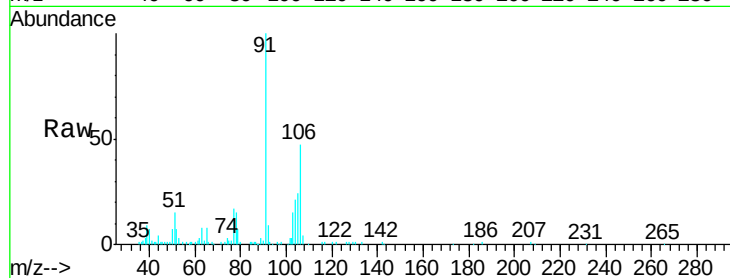
91 212.9 147.2 273.4

Manual Integrations

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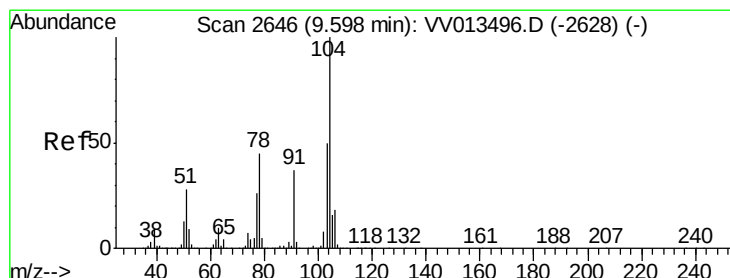
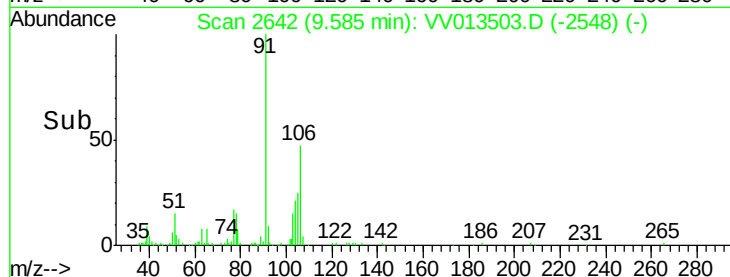
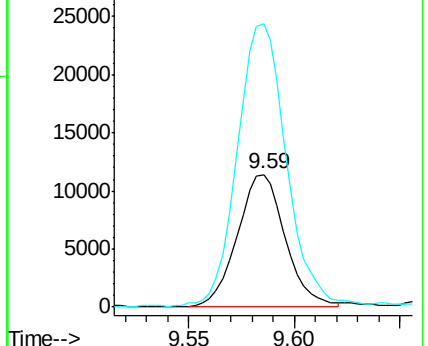
MMDadoda

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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: 1.842 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.01 min

Lab File: VV013503.D

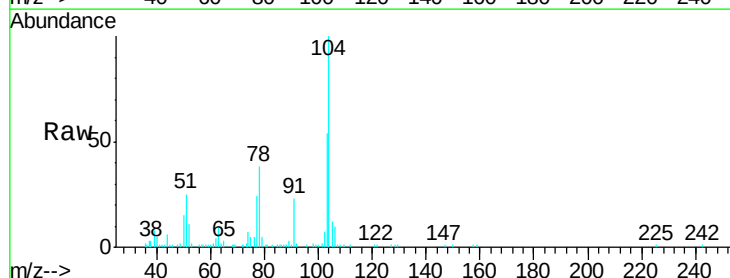
Acq: 06 Nov 2019 17:34

Tgt Ion:104 Resp: 30863

Ion Ratio Lower Upper

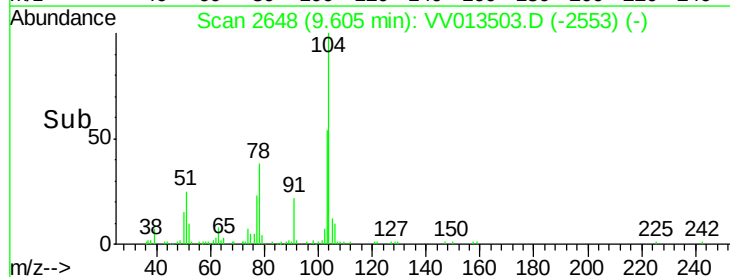
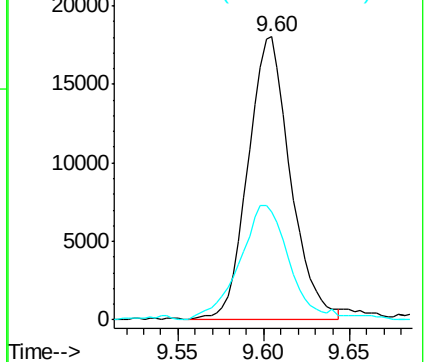
104 100

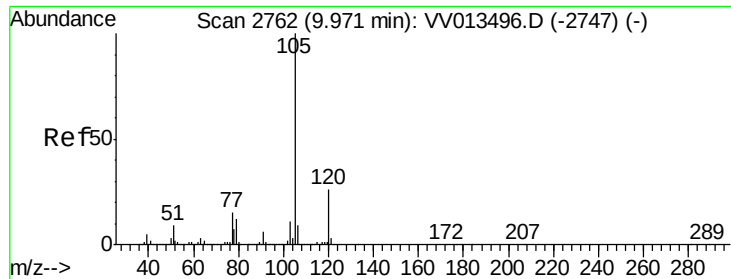
78 38.3 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





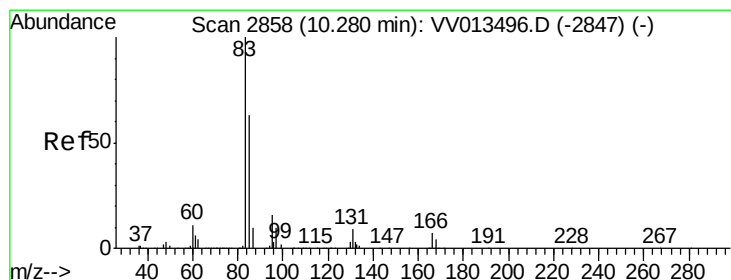
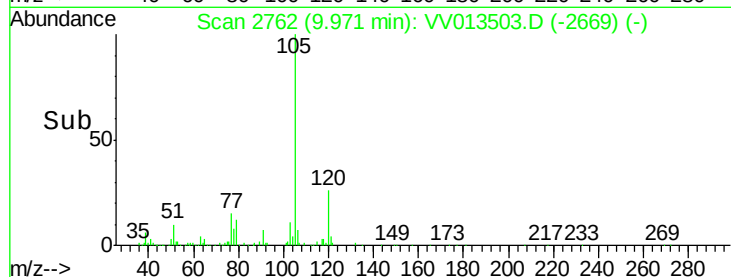
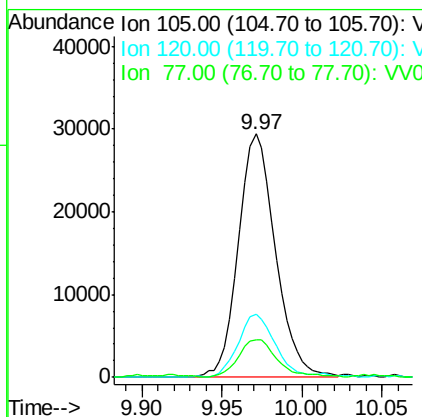
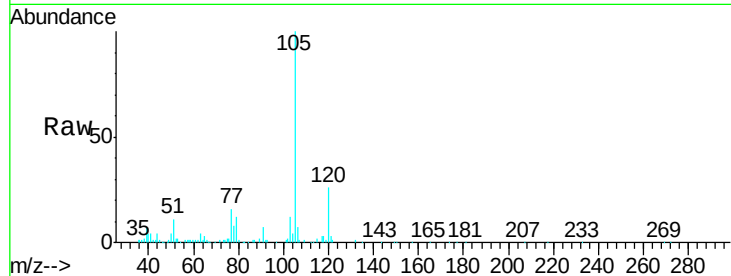
#56
Isopropylbenzene
Concen: 1.827 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. 0.00 min
Lab File: VV013503.D
Acq: 06 Nov 2019 17:34

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	25.7	21.1	31.7
77	16.1	12.2	18.4

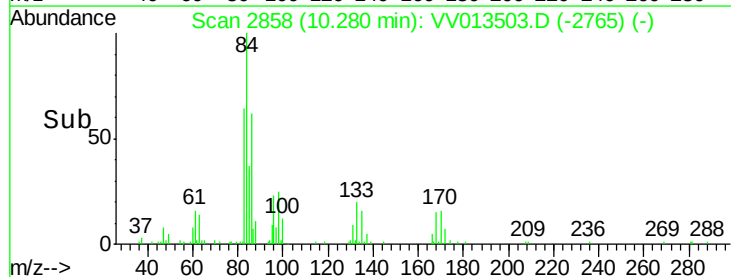
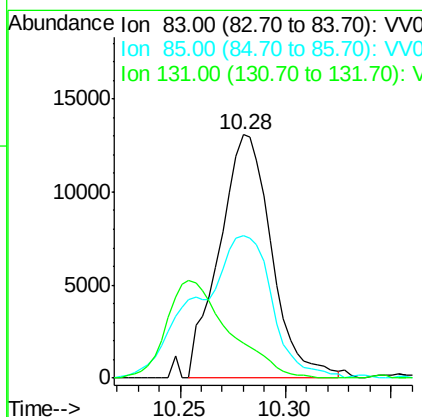
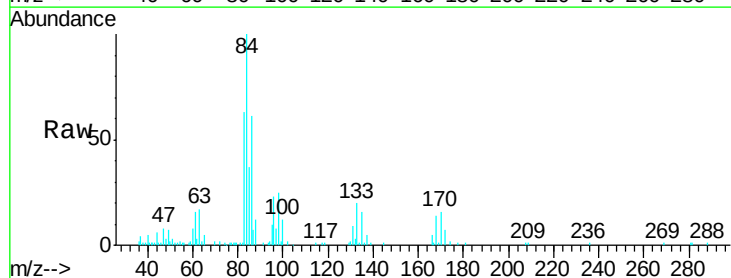
Manual Integrations
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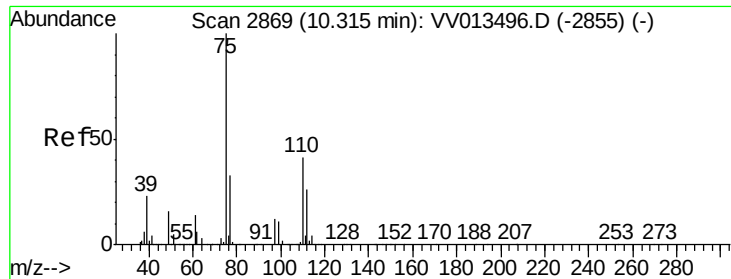
MMDadoda
11/7/2019 10:49:58 AM



#58
1,1,2,2-Tetrachloroethane
Concen: 2.564 ug/L
RT: 10.28 min Scan# 2858
Delta R.T. 0.00 min
Lab File: VV013503.D
Acq: 06 Nov 2019 17:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
85	58.7	44.0	81.6
131	14.2	7.7	11.5#





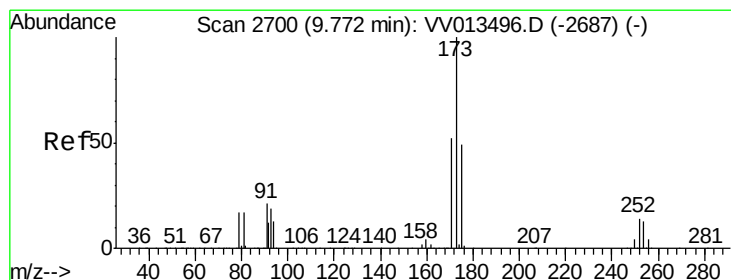
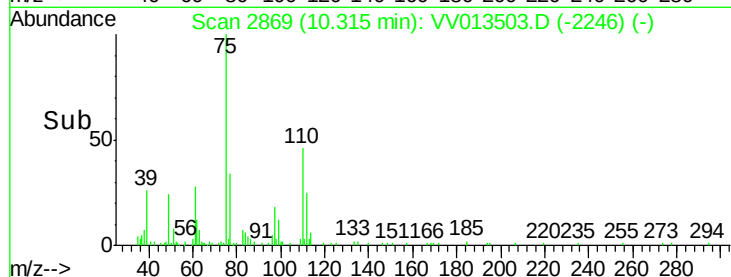
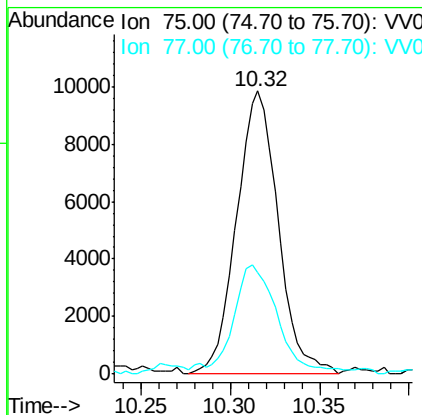
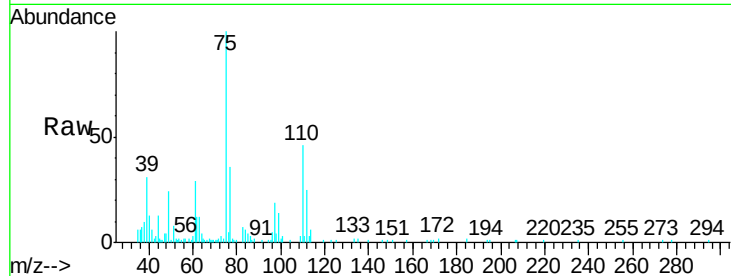
#59
 1,2,3-Trichloropropane
 Concen: 2.192 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV013503.D
 Acq: 06 Nov 2019 17:34

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tgt Ion: 75 Resp: 15997
 Ion Ratio Lower Upper
 75 100
 77 35.5 25.4 38.2

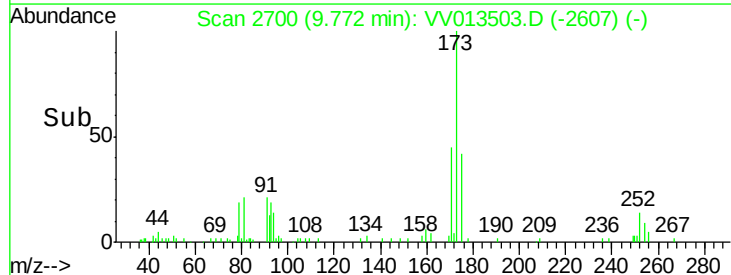
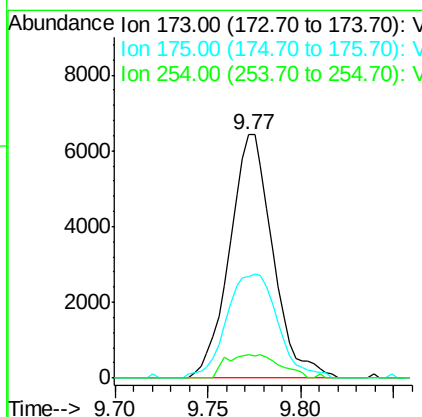
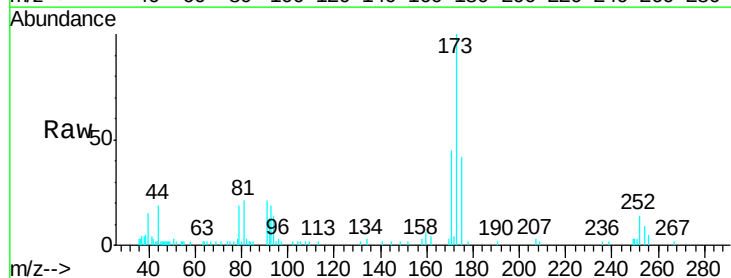
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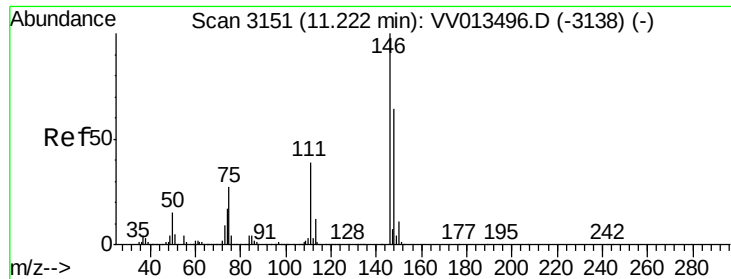
MMDadoda
 11/7/2019 10:49:58 AM



#61
 Bromoform
 Concen: 2.304 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV013503.D
 Acq: 06 Nov 2019 17:34

Tgt Ion: 173 Resp: 10426
 Ion Ratio Lower Upper
 173 100
 175 50.8 39.0 58.4
 254 1.8 10.2 15.2#





#62

1,3-Dichlorobenzene

Concen: 2.370 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Instrument :

MSVOA_V

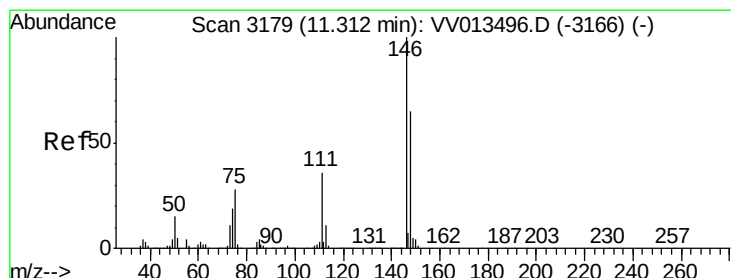
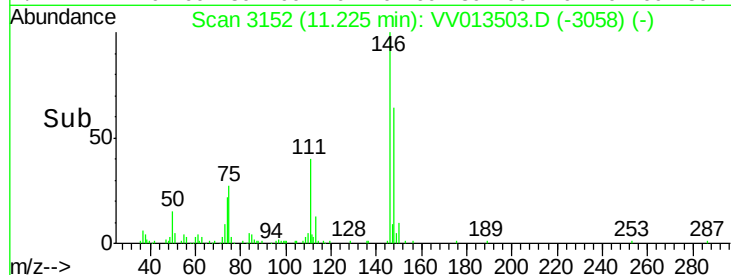
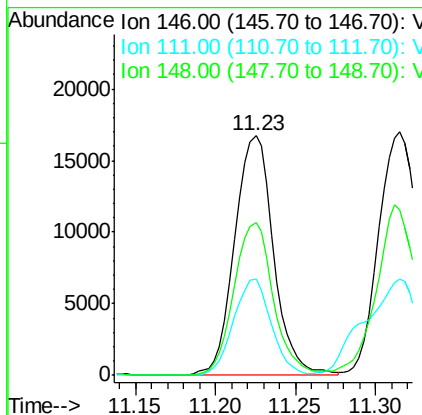
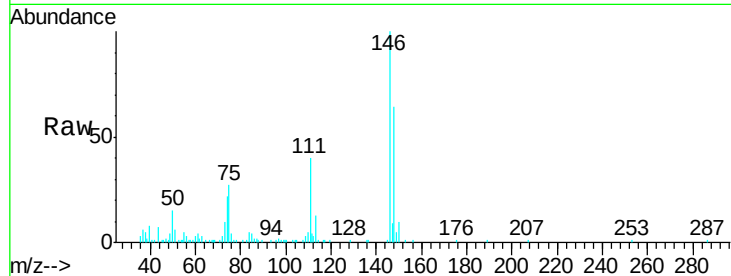
ClientSampled :

MDL06

Tgt Ion:	146	Resp:	27720
Ion Ratio	Lower	Upper	
146	100		
111	40.5	26.4	49.0
148	63.7	44.4	82.4

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#63

1,4-Dichlorobenzene

Concen: 2.458 ug/L

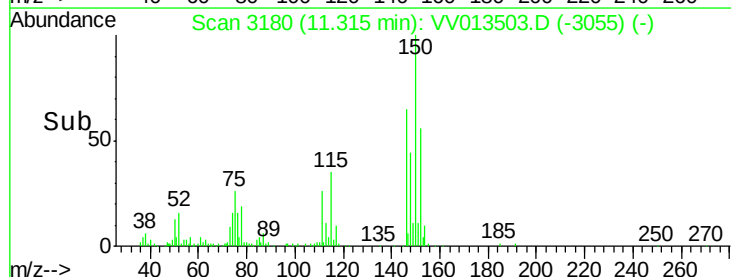
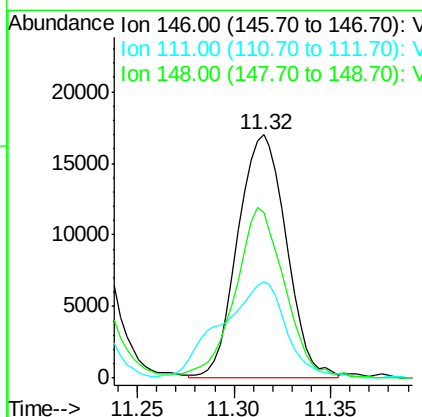
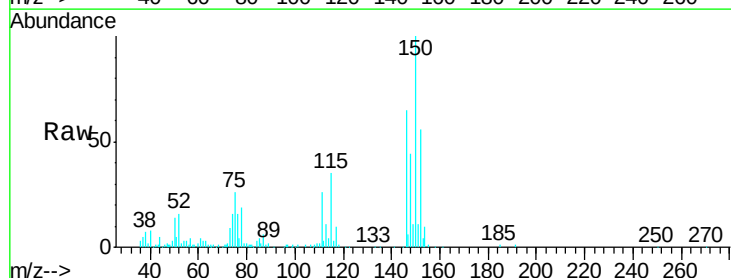
RT: 11.32 min Scan# 3180

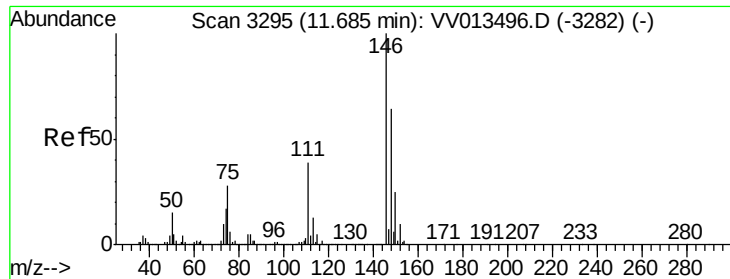
Delta R.T. 0.00 min

Lab File: VV013503.D

Acq: 06 Nov 2019 17:34

Tgt Ion:	146	Resp:	29783
Ion Ratio	Lower	Upper	
146	100		
111	39.5	25.5	47.3
148	67.9	44.9	83.5





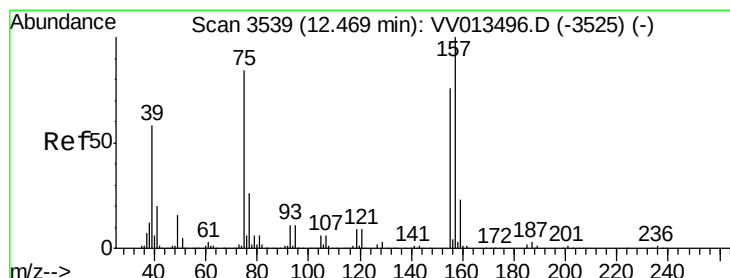
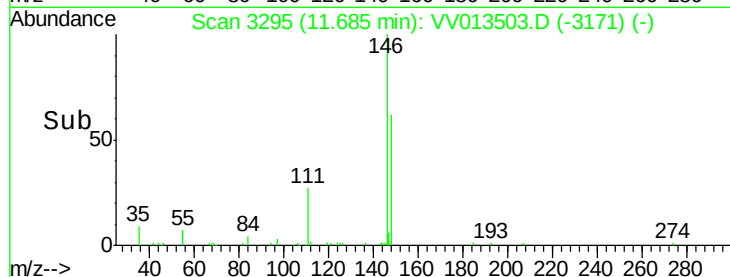
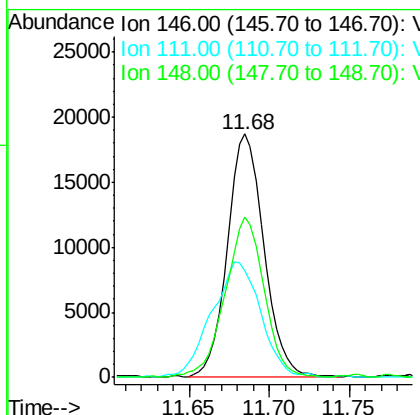
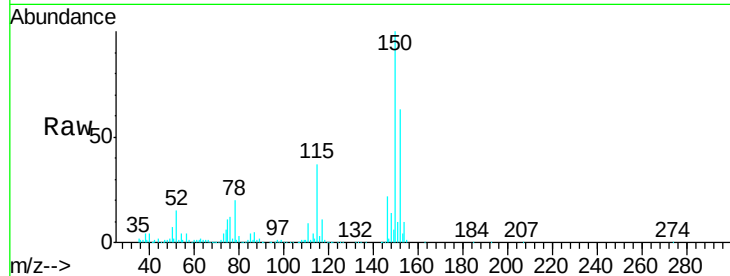
#65
 1,2-Dichlorobenzene
 Concen: 2.494 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013503.D
 Acq: 06 Nov 2019 17:34

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	29219		
111	43.6	32.1	48.1	
148	65.9	52.0	78.0	

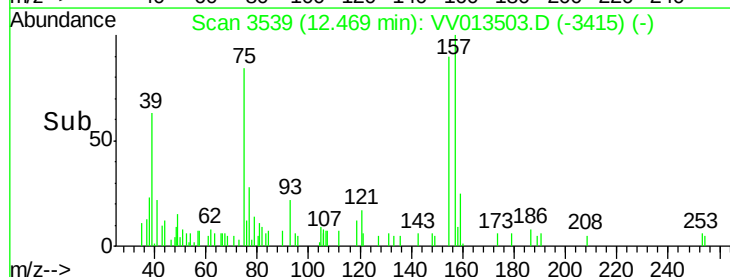
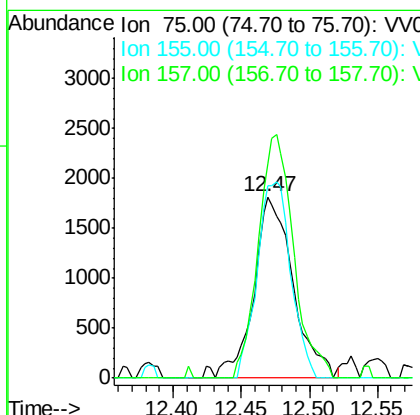
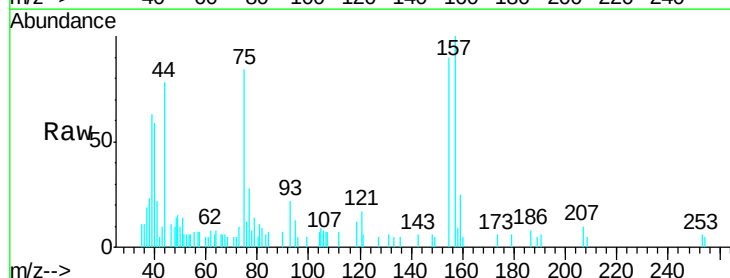
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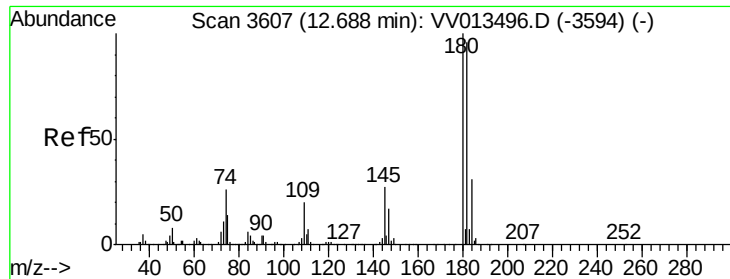
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.270 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV013503.D
 Acq: 06 Nov 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	3669		
155	106.6	71.9	107.9	
157	118.4	96.6	145.0	





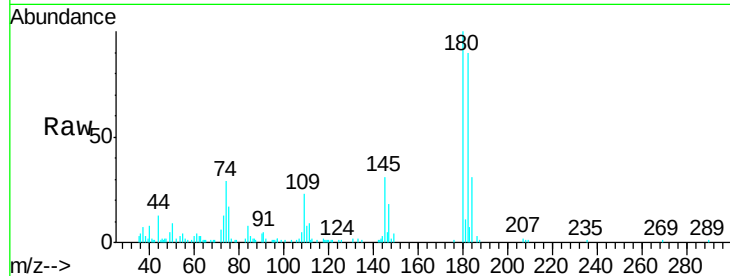
#67
 1,3,5-Trichlorobenzene
 Concen: 2.268 ug/L m
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013503.D
 Acq: 06 Nov 2019 17:34

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	20728		
182	83.3	76.2	114.2	
184	26.8	24.3	36.5	
145	25.3	21.2	31.8	

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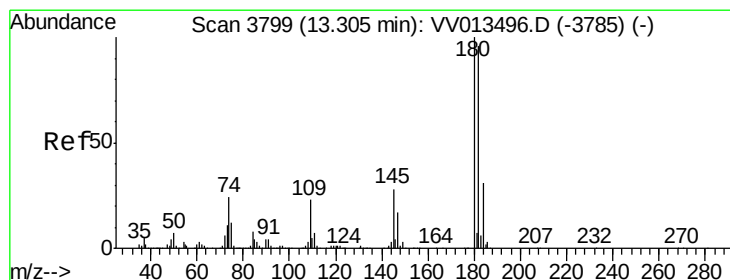
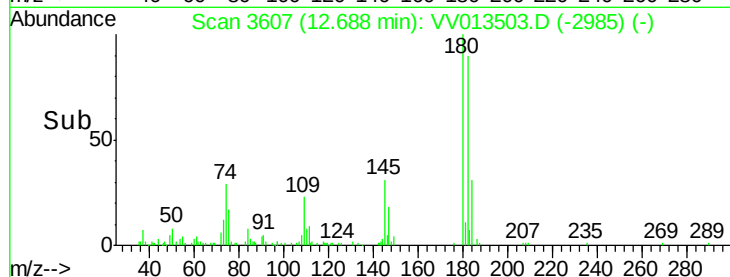
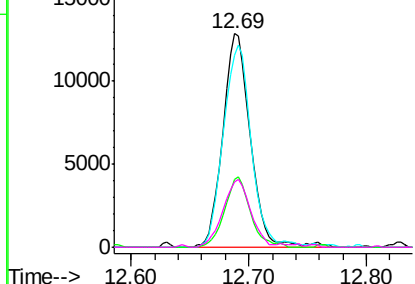


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

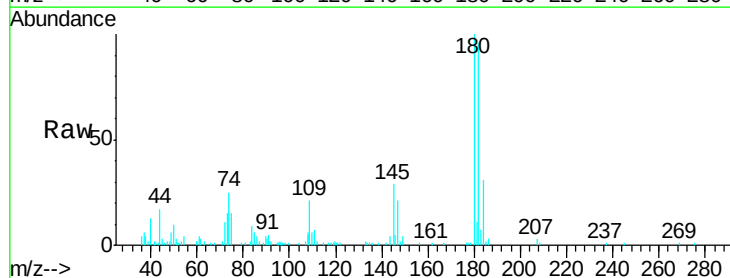
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.291 ug/L m
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013503.D
 Acq: 06 Nov 2019 17:34

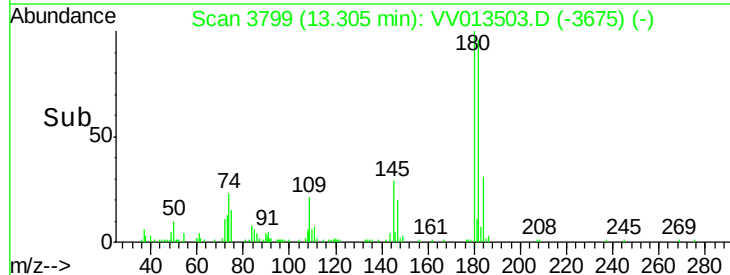
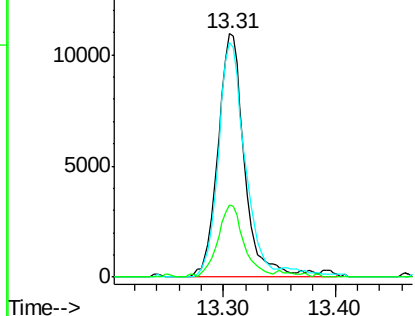
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	18342		
182	94.2	76.4	114.6	
145	28.6	22.4	33.6	

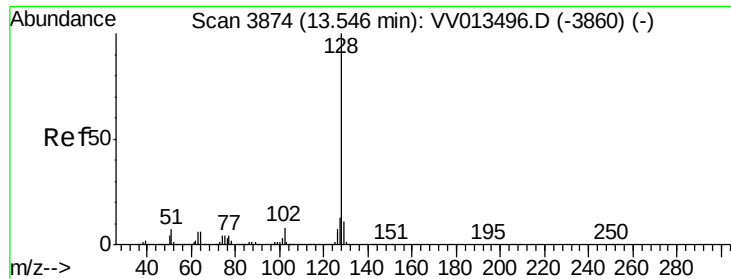


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





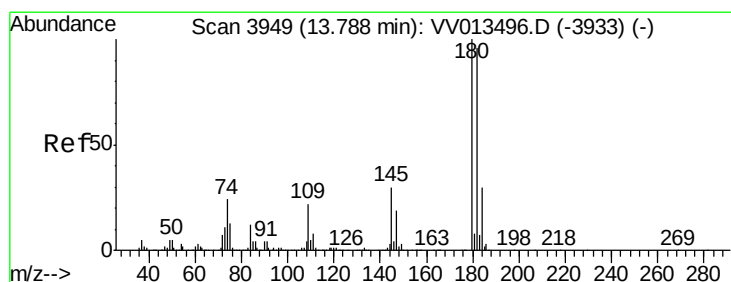
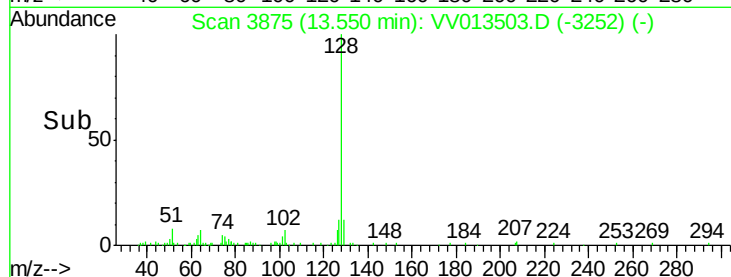
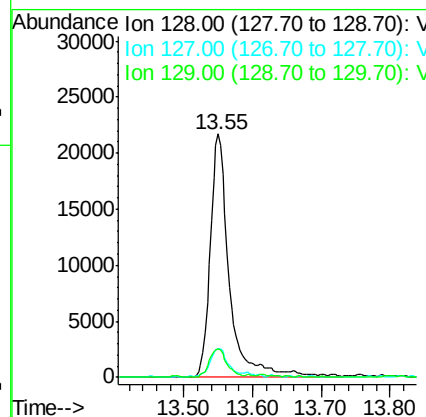
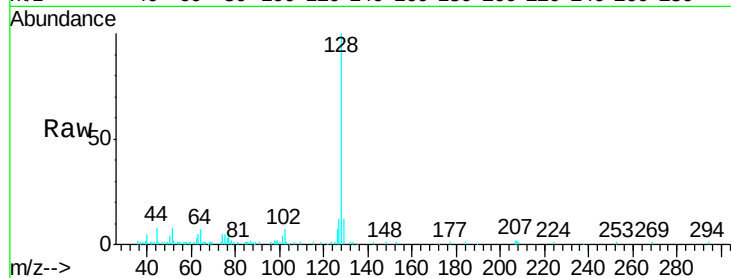
#69
Naphthalene
Concen: 1.968 ug/L m
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV013503.D
Acq: 06 Nov 2019 17:34

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.6	15.8
129	10.8	8.6	13.0

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#70
1,2,3-Trichlorobenzene
Concen: 2.154 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV013503.D
Acq: 06 Nov 2019 17:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	77.4	116.0
145	29.5	24.0	36.0

