

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021720\
 Data File : VV014597.D
 Acq On : 17 Feb 2020 16:48
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 12:32:54 PM

Quant Time: Feb 18 07:05:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 18 06:41:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	285058	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	266467	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	129510	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44771	47.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.34%
7) Chloroethane-d5	1.58	69	35957	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.98%
11) 1,1-Dichloroethene-d2	2.13	63	62528	35.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.34%
21) 2-Butanone-d5	3.92	46	99393	107.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.58%
24) Chloroform-d	4.40	84	153311	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.94%
26) 1,2-Dichloroethane-d4	5.08	65	101550	51.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.38%
32) Benzene-d6	5.10	84	315443	51.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.44%
36) 1,2-Dichloropropane-d6	6.11	67	97139	52.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.42%
41) Toluene-d8	7.36	98	296435	51.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.14%
43) trans-1,3-Dichloropropene-	7.66	79	51645	49.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.78%
47) 2-Hexanone-d5	8.13	63	80436	110.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.50%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	134431	52.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.60%
66) 1,2-Dichlorobenzene-d4	11.67	152	117497	53.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5157	2.603 ug/L	98
3) Chloromethane	1.26	50	4657	2.897 ug/L	97
5) Vinyl chloride	1.33	62	3317	2.642 ug/L #	78
6) Bromomethane	1.53	94	1573	2.306 ug/L	93
8) Chloroethane	1.60	64	1670	2.635 ug/L	93
9) Trichlorofluoromethane	1.77	101	5778	2.521 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3026	3.178 ug/L #	82
12) 1,1-Dichloroethene	2.14	96	2794	3.113 ug/L #	1
13) Acetone	2.19	43	4181	5.303 ug/L	87
14) Carbon disulfide	2.32	76	11257	2.734 ug/L	97
15) Methyl Acetate	2.46	43	4106	2.744 ug/L #	85
16) Methylene chloride	2.54	84	5222	2.848 ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	4404	2.609 ug/L	93
18) Methyl tert-butyl Ether	2.80	73	14729	2.628 ug/L	97
19) 1,1-Dichloroethane	3.23	63	7750	2.577 ug/L	94
20) cis-1,2-Dichloroethene	3.96	96	5253	2.646 ug/L	95
22) 2-Butanone	4.03	43	5409m	4.505 ug/L	

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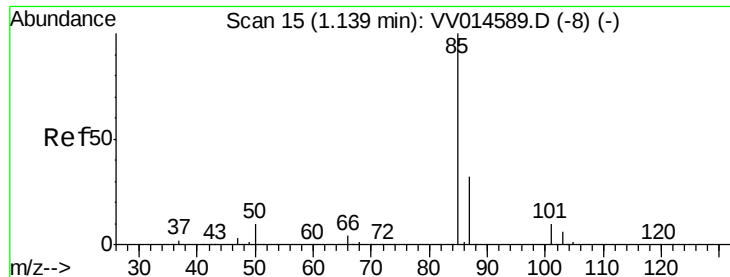
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	2437	2.490	ug/L #	84
25) Chloroform	4.42	83	12178	3.574	ug/L	97
27) 1,2-Dichloroethane	5.18	62	6106	2.396	ug/L #	94
29) Cyclohexane	4.72	56	6855	2.680	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	7141	2.399	ug/L	97
31) Carbon tetrachloride	4.88	117	6450	2.430	ug/L	91
33) Benzene	5.15	78	17796	2.585	ug/L	100
34) Trichloroethene	5.96	95	4998	2.662	ug/L	94
35) Methylcyclohexane	6.17	83	7566	2.591	ug/L #	48
37) 1,2-Dichloropropane	6.22	63	4019	2.407	ug/L #	95
38) Bromodichloromethane	6.56	83	6303	2.424	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	7699	2.600	ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	10167	4.869	ug/L	99
42) Toluene	7.43	91	20516	2.705	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	6960	2.523	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	4748	2.643	ug/L	96
46) Tetrachloroethene	8.02	164	3927	2.616	ug/L	99
48) 2-Hexanone	8.18	43	9642	5.915	ug/L #	89
49) Dibromochloromethane	8.29	129	5123	2.354	ug/L	99
50) 1,2-Dibromoethane	8.40	107	5149	2.608	ug/L	93
51) Chlorobenzene	8.92	112	13685	2.668	ug/L	98
52) Ethylbenzene	9.05	91	22078	2.533	ug/L	99
53) m,p-Xylene	9.18	106	8853	2.625	ug/L	100
54) o-Xylene	9.58	106	7766	2.391	ug/L	95
55) Styrene	9.60	104	13720	2.481	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.28	83	8326	2.912	ug/L #	88
59) Bromoform	9.77	173	3723	2.547	ug/L #	93
60) Isopropylbenzene	9.97	105	21131	2.571	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	6211	2.878	ug/L	97
62) 1,3,5-Trimethylbenzene	10.58	105	16910	2.408	ug/L	95
63) 1,2,4-Trimethylbenzene	10.95	105	16771	2.445	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	10032	2.547	ug/L	94
65) 1,4-Dichlorobenzene	11.32	146	10970	2.718	ug/L	94
67) 1,2-Dichlorobenzene	11.68	146	10549	2.721	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.47	75	1847	2.848	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.69	180	6533	2.295	ug/L	97
70) 1,2,4-trichlorobenzene	13.31	180	6090	2.367	ug/L	99
71) Naphthalene	13.55	128	18376	2.333	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	5922	2.358	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.603 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 85 Resp: 5157

Ion Ratio Lower Upper

85 100

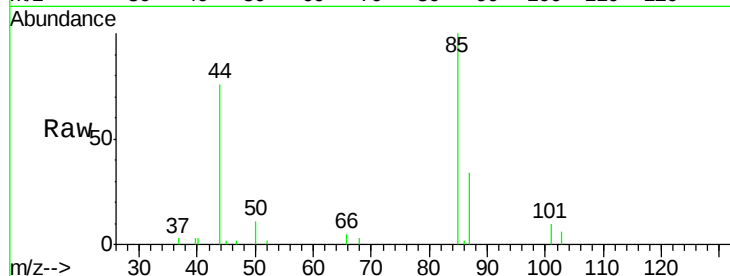
87 33.8 26.2 39.4

Manual Integrations

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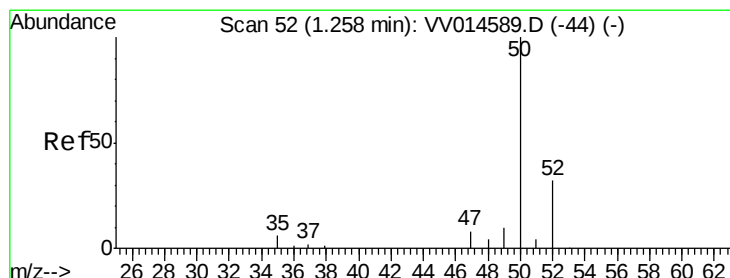
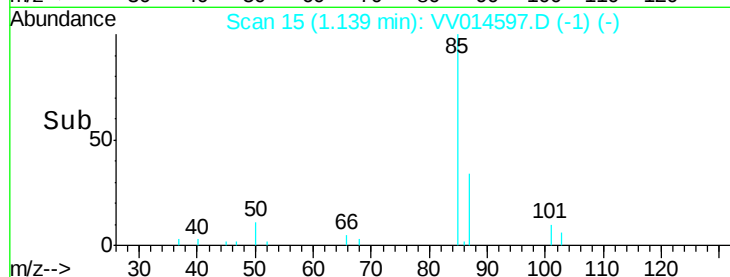
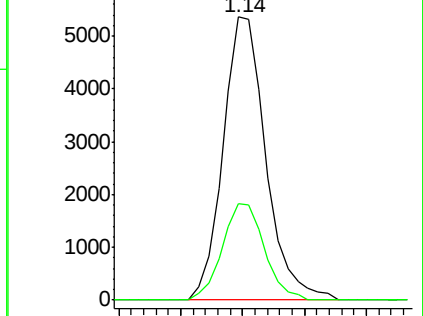
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.897 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014597.D

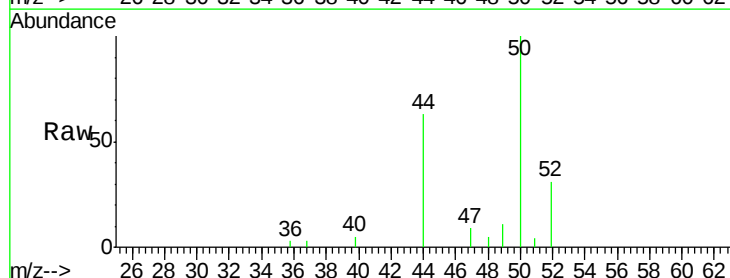
Acq: 17 Feb 2020 16:48

Tgt Ion: 50 Resp: 4657

Ion Ratio Lower Upper

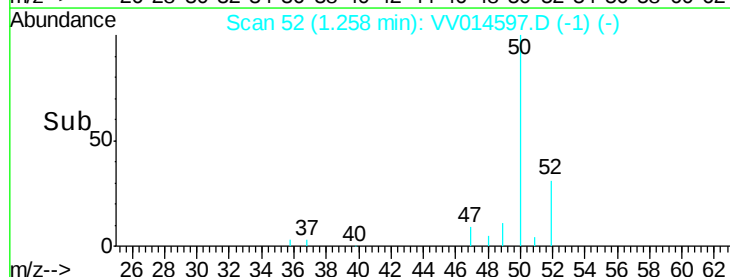
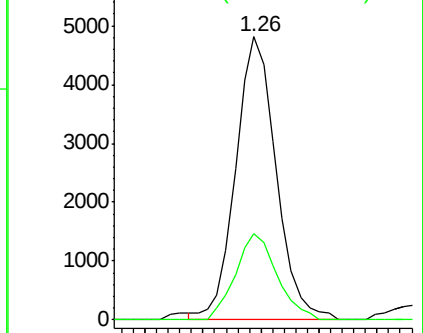
50 100

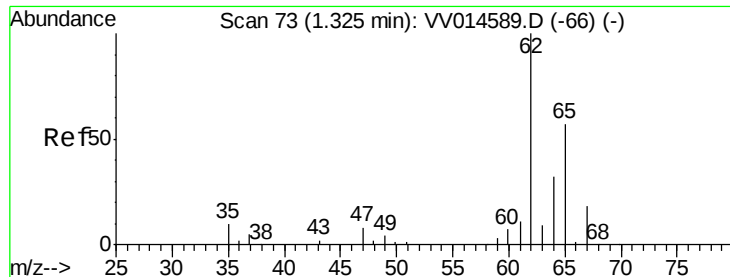
52 30.7 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.642 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 62 Resp: 3317

Ion Ratio Lower Upper

62 100

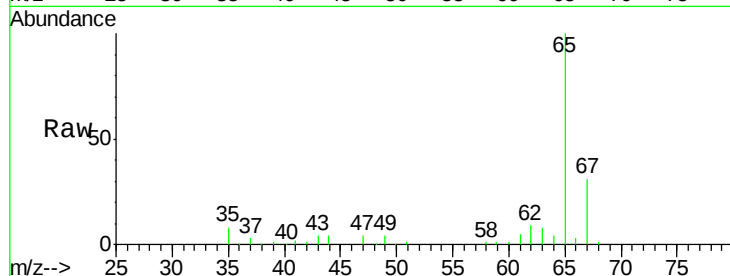
64 44.5 22.6 42.0#

Manual Integrations

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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.33

4000

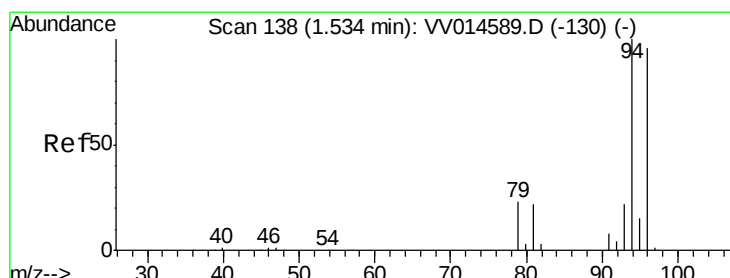
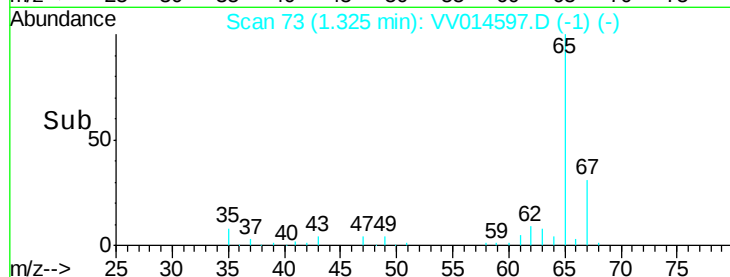
3000

2000

1000

0

Time-->



#6

Bromomethane

Concen: 2.306 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014597.D

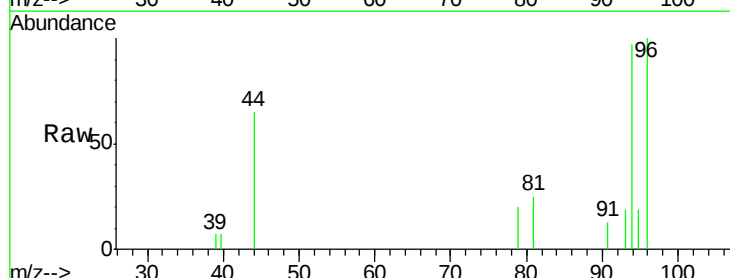
Acq: 17 Feb 2020 16:48

Tgt Ion: 94 Resp: 1573

Ion Ratio Lower Upper

94 100

96 102.9 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

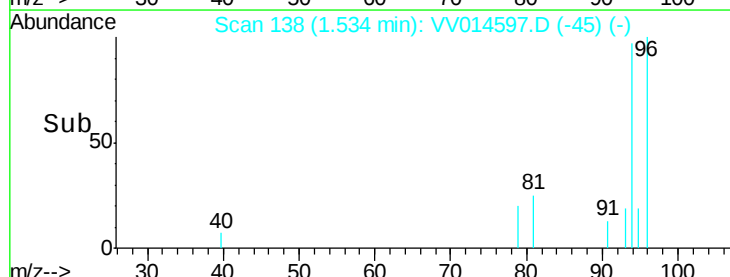
1500

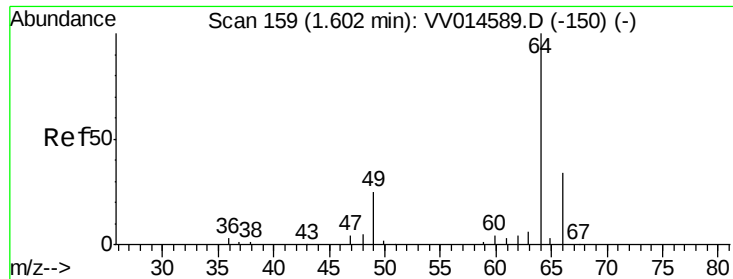
1000

500

0

Time-->





#8

Chloroethane

Concen: 2.635 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 64 Resp: 1670

Ion Ratio Lower Upper

64 100

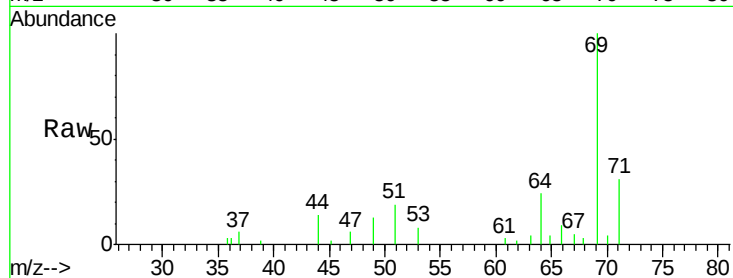
66 37.7 23.6 43.8

Manual Integrations

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Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

1.60

1500

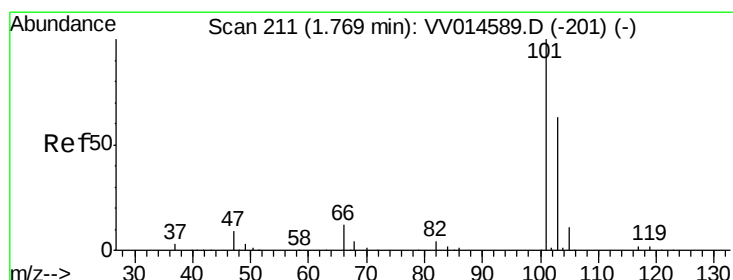
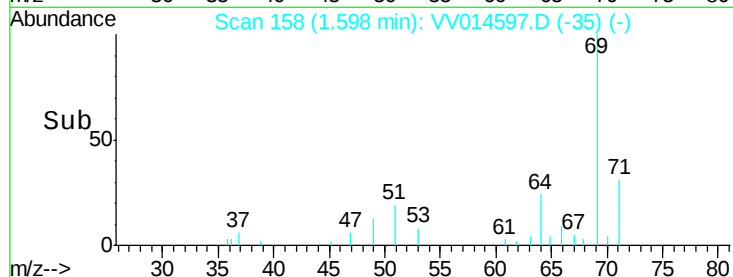
1000

500

0

1.58 1.60 1.62

Time-->



#9

Trichlorofluoromethane

Concen: 2.521 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014597.D

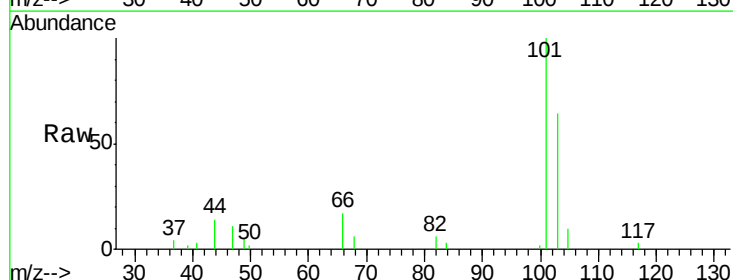
Acq: 17 Feb 2020 16:48

Tgt Ion: 101 Resp: 5778

Ion Ratio Lower Upper

101 100

103 64.4 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.77

5000

4000

3000

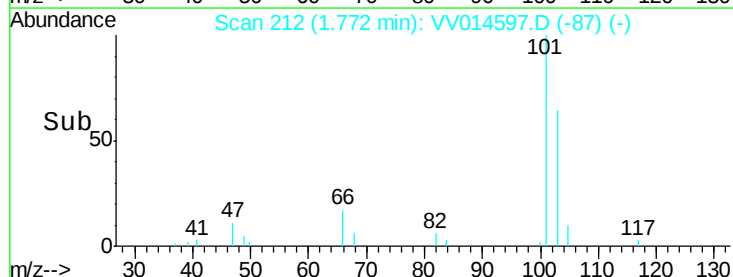
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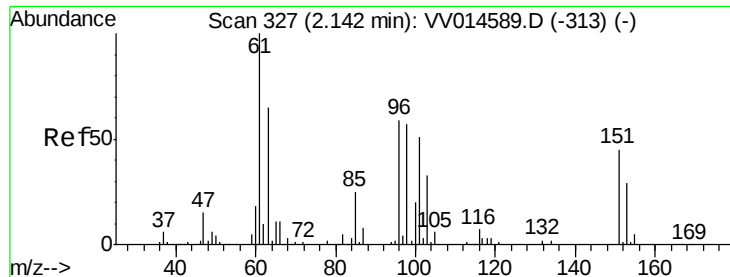
1000

0

1.75 1.77 1.80

Time-->





#10

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

Concen: 3.178 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

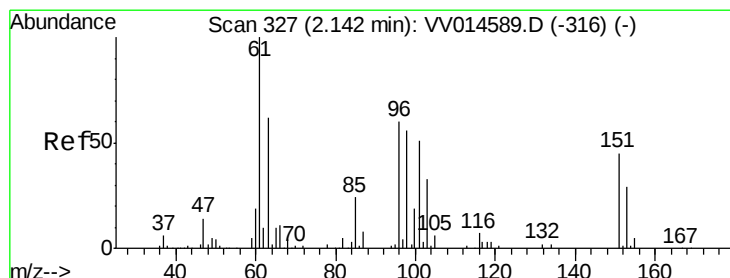
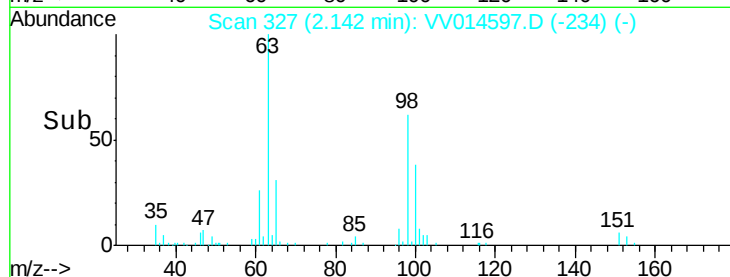
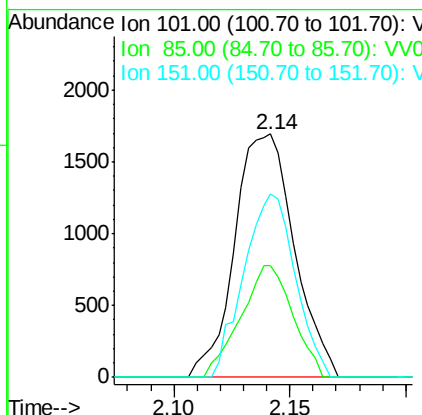
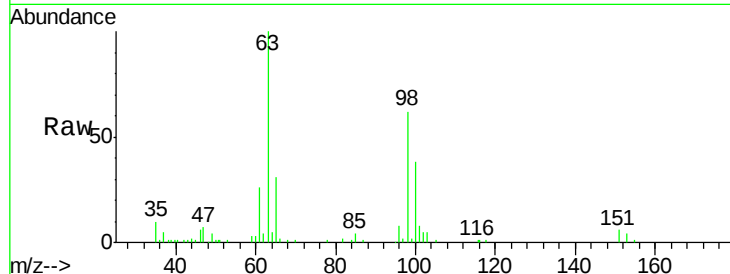
ClientSampled :

MDL06

Tot Ion	Ratio	Lower	Upper
101	100		
85	40.2	37.9	56.9
151	64.8	67.7	101.5#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 3.113 ug/L

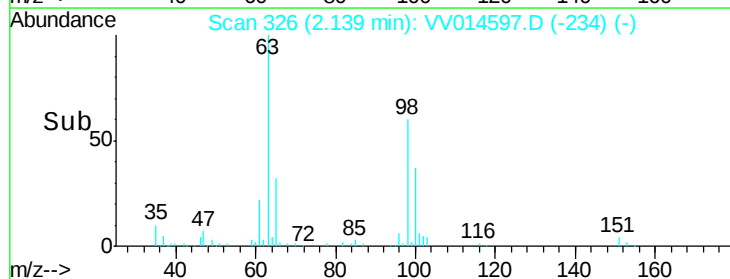
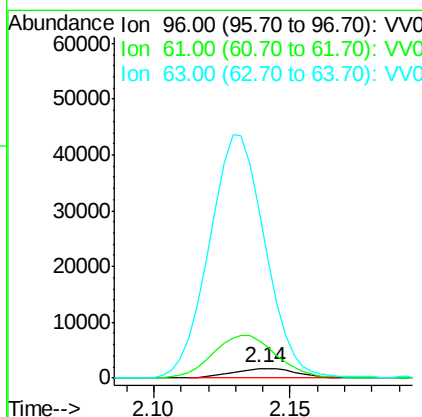
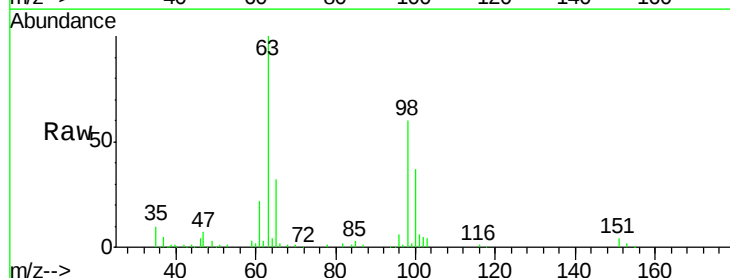
RT: 2.14 min Scan# 326

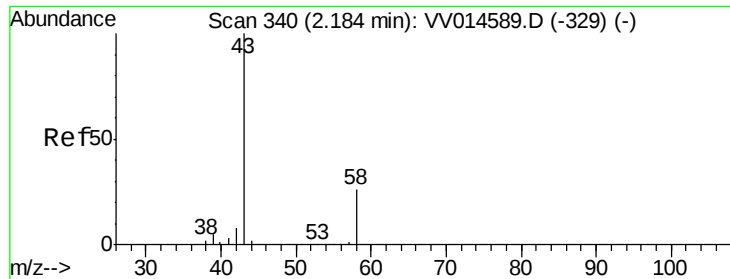
Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	389.2	118.3	219.7#
63	1731.4	77.5	143.9#





#13

Acetone

Concen: 5.303 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 4181

Ion Ratio Lower Upper

43 100

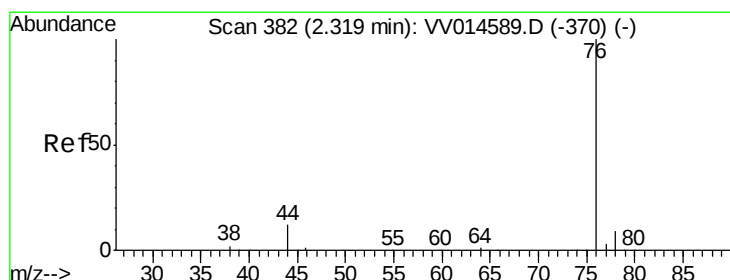
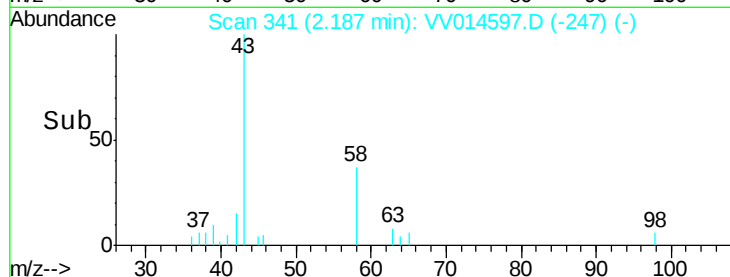
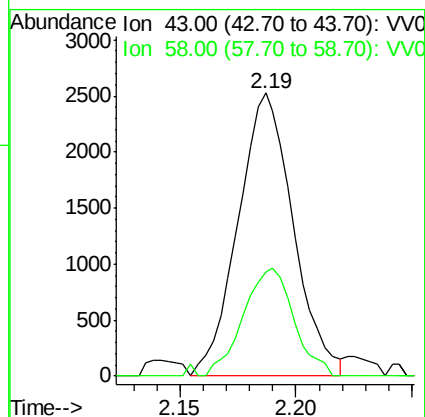
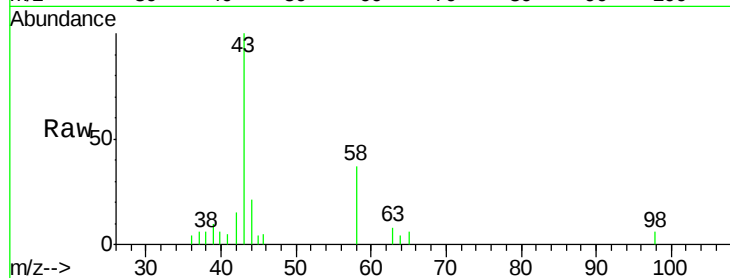
58 35.0 0.0 55.8

Manual Integrations

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#14

Carbon disulfide

Concen: 2.734 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014597.D

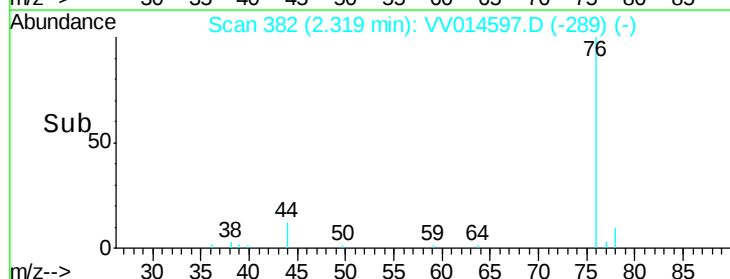
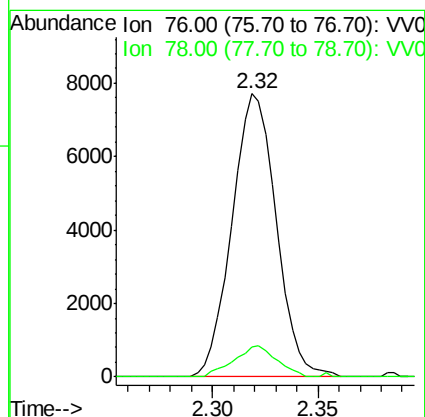
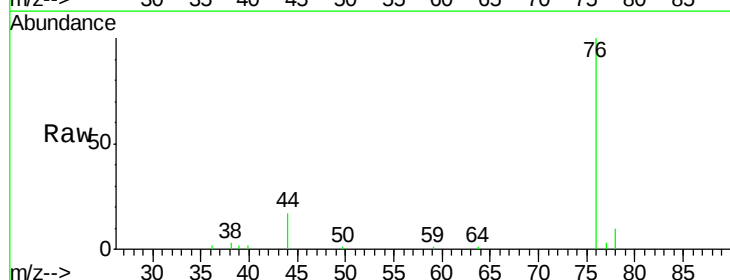
Acq: 17 Feb 2020 16:48

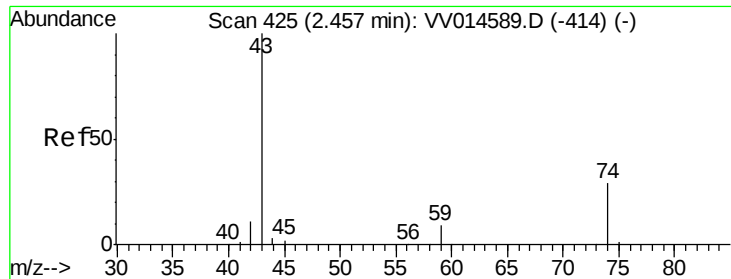
Tgt Ion: 76 Resp: 11257

Ion Ratio Lower Upper

76 100

78 10.4 7.5 11.3





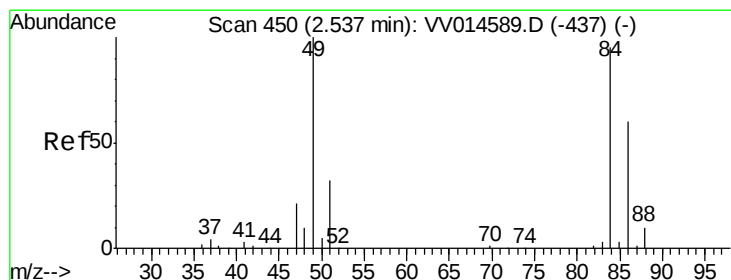
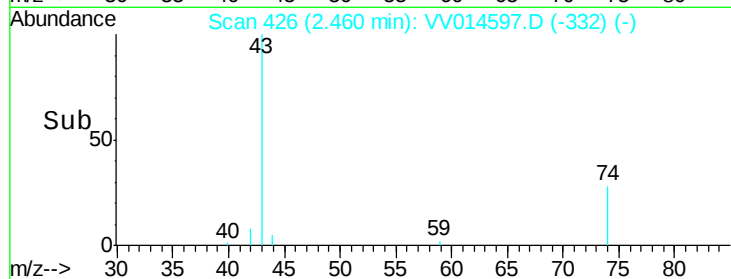
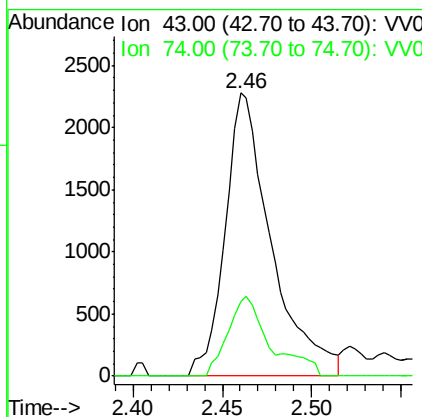
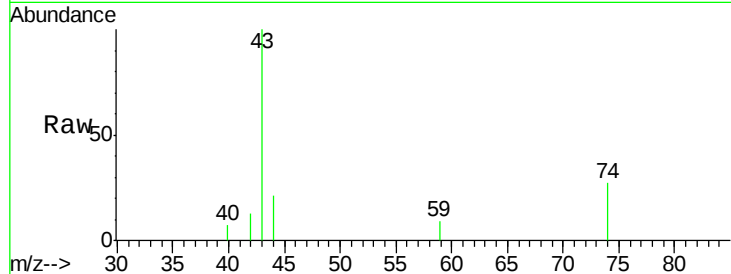
#15
Methvl Acetate
Concen: 2.744 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion: 43 Resp: 4106
Ion Ratio Lower Upper
43 100
74 20.8 22.9 34.3#

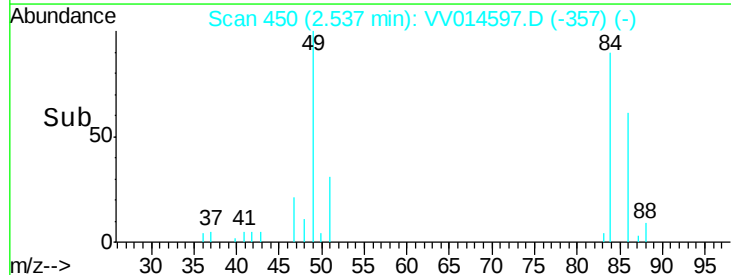
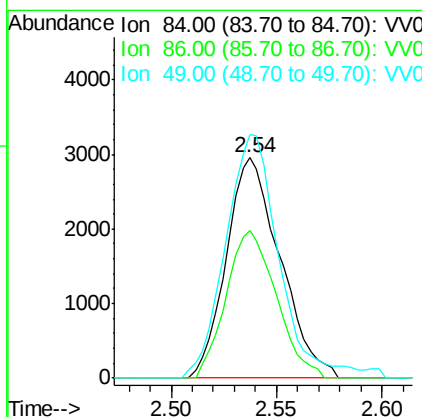
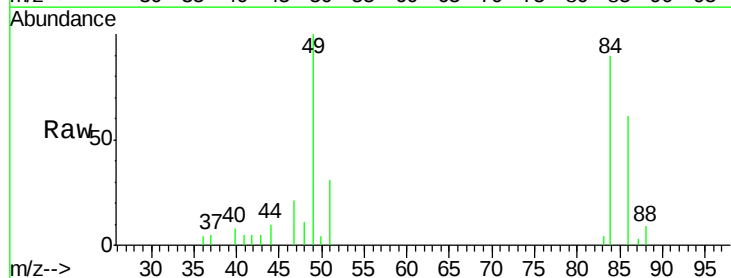
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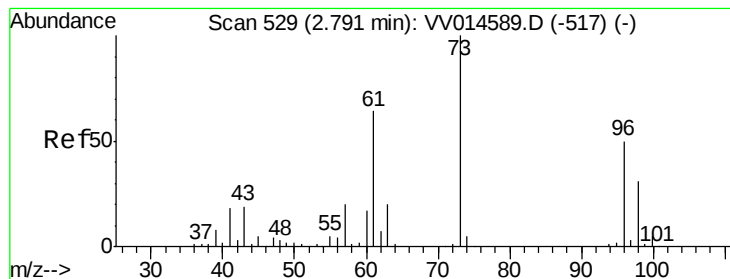
MMDadoda
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#16
Methylene chloride
Concen: 2.848 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Tgt Ion: 84 Resp: 5222
Ion Ratio Lower Upper
84 100
86 67.0 44.0 81.8
49 110.5 74.0 137.4





#17

trans-1,2-Dichloroethene

Concen: 2.609 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

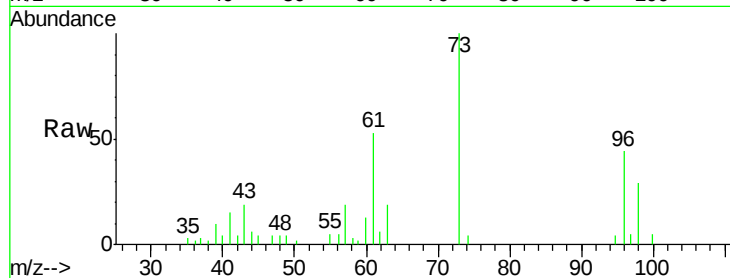
ClientSampled :

MDL06

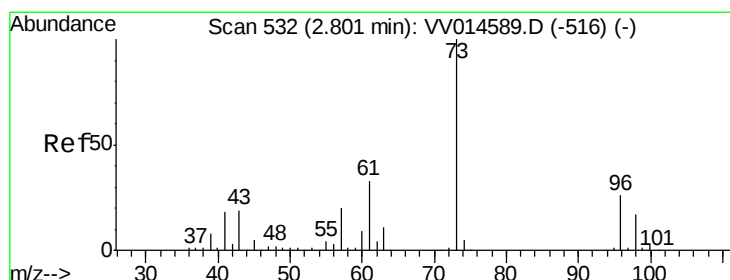
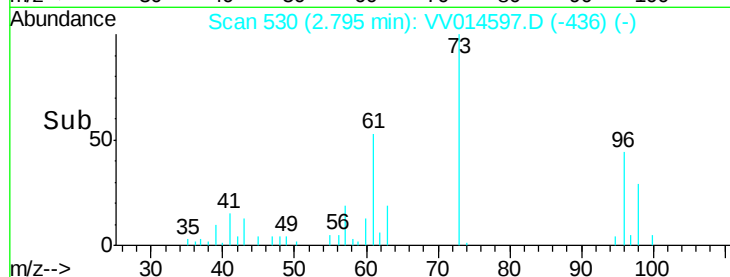
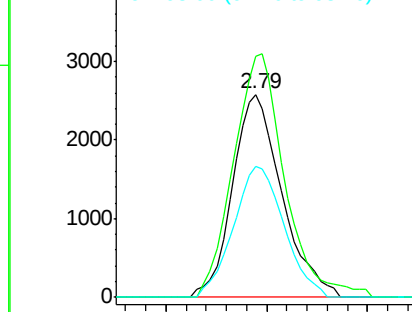
Tot Ion:	96	Resp:	4404
Ion	Ratio	Lower	Upper
96	100		
61	119.1	90.6	168.3
98	64.6	44.2	82.2

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Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 2.628 ug/L

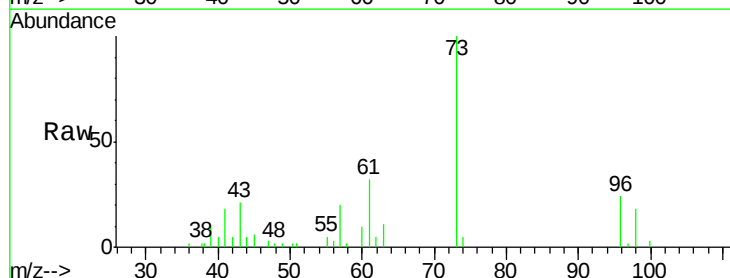
RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

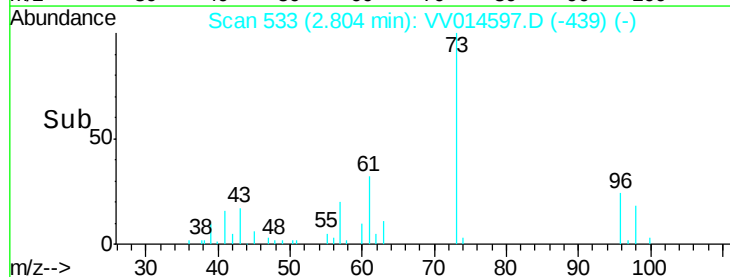
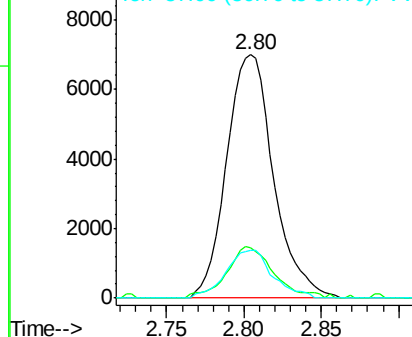
Lab File: VV014597.D

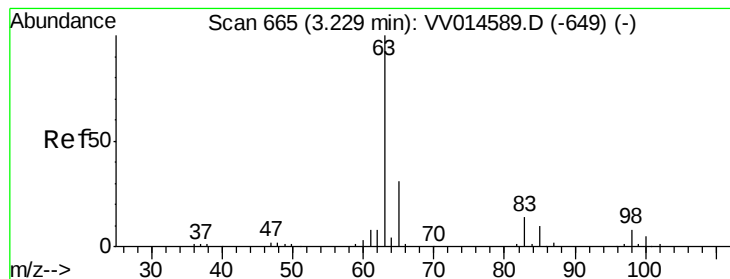
Acq: 17 Feb 2020 16:48

Tgt Ion:	73	Resp:	14729
Ion	Ratio	Lower	Upper
73	100		
43	20.5	14.7	22.1
57	19.6	16.2	24.4



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 2.577 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

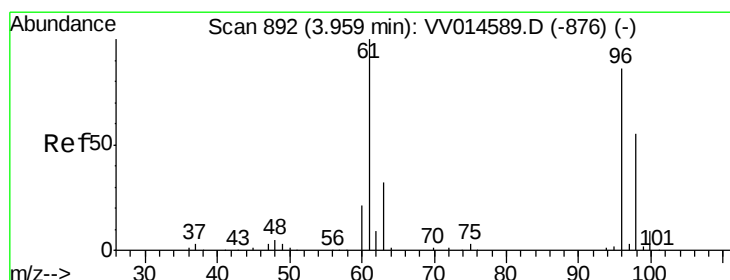
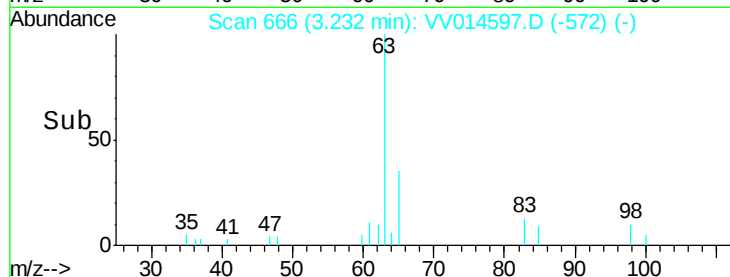
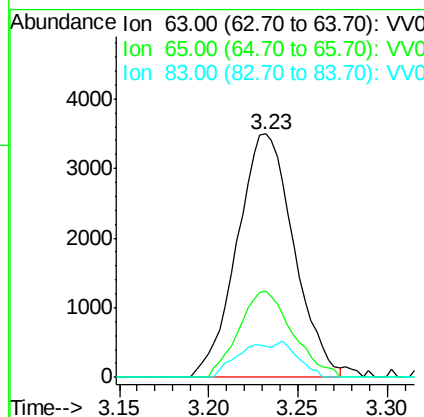
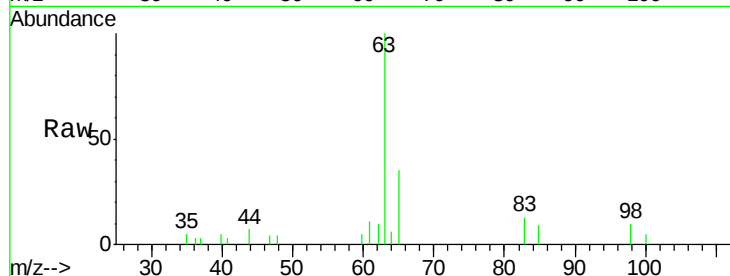
ClientSampleId :

MDL06

Tot Ion:	63	Resp:	7750
Ion	Ratio	Lower	Upper
63	100		
65	35.1	21.8	40.4
83	12.9	9.9	18.3

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#20

cis-1,2-Dichloroethene

Concen: 2.646 ug/L

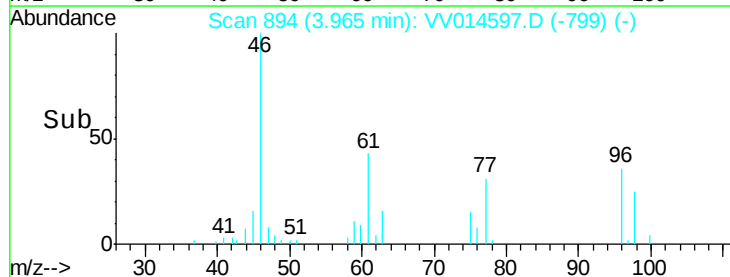
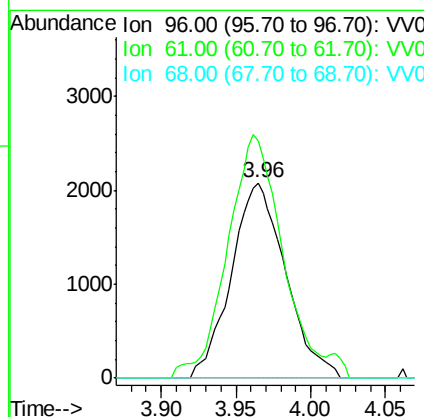
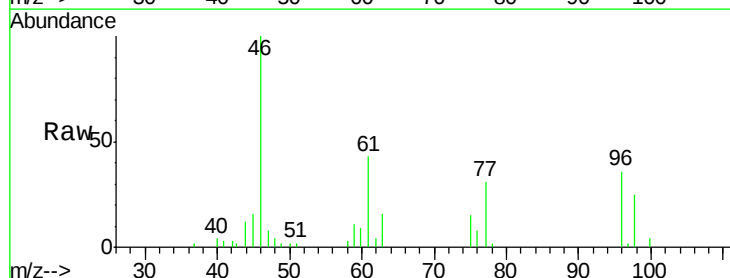
RT: 3.96 min Scan# 894

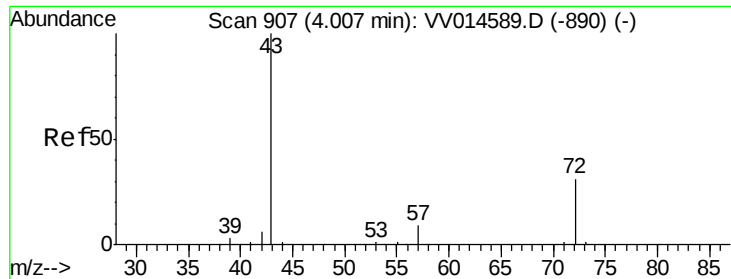
Delta R.T. 0.01 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Tgt Ion:	96	Resp:	5253
Ion	Ratio	Lower	Upper
96	100		
61	121.5	81.4	151.2
68	0.0	0.0	0.0





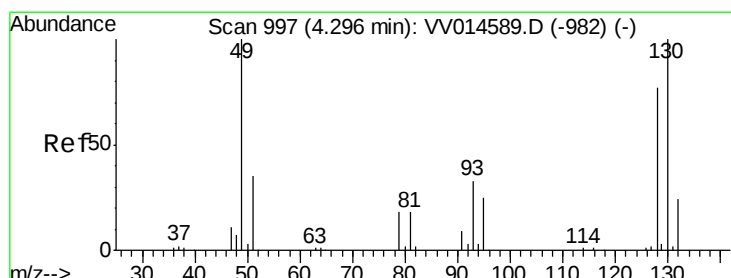
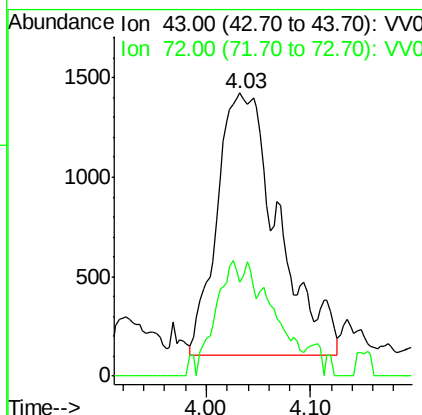
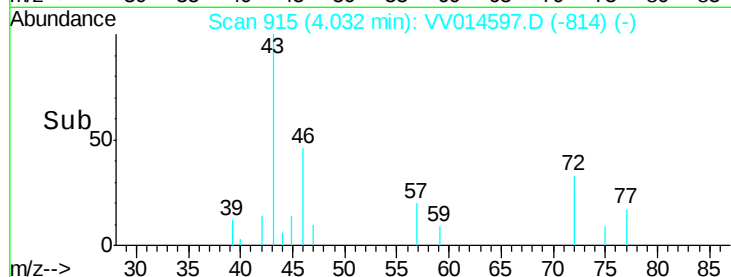
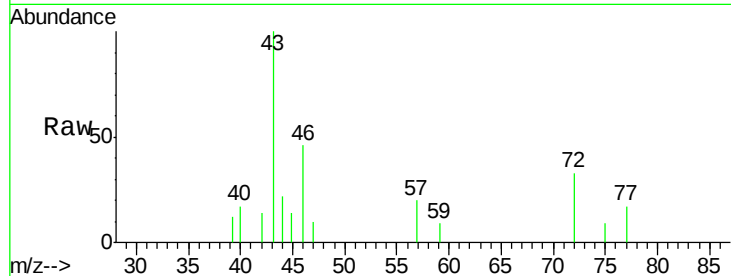
#22
 2-Butanone
 Concen: 4.505 ug/L m
 RT: 4.03 min Scan# 915
 Delta R.T. 0.03 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion: 43 Resp: 5409
 Ion Ratio Lower Upper
 43 100
 72 17.0 15.1 45.3

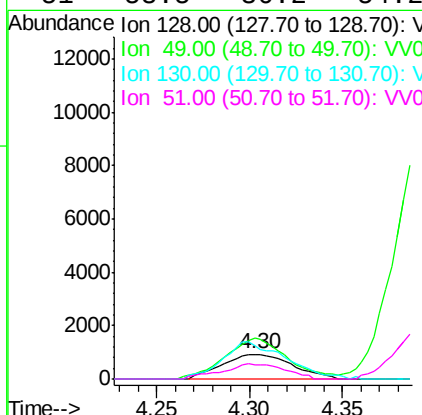
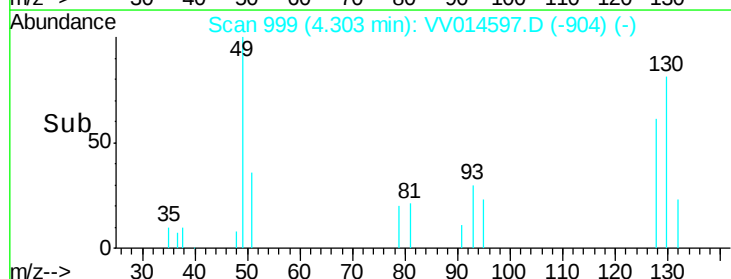
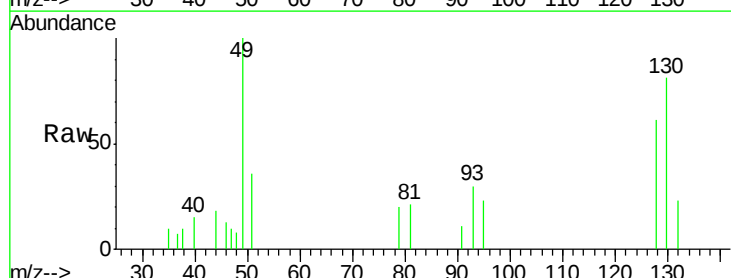
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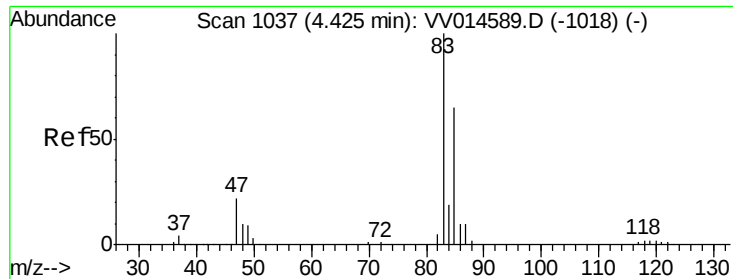
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#23
 Bromochloromethane
 Concen: 2.490 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion: 128 Resp: 2437
 Ion Ratio Lower Upper
 128 100
 49 164.1 91.7 170.3
 130 132.7 91.4 169.8
 51 58.5 36.2 54.2#





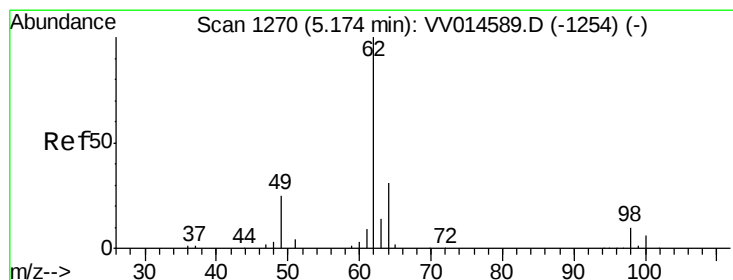
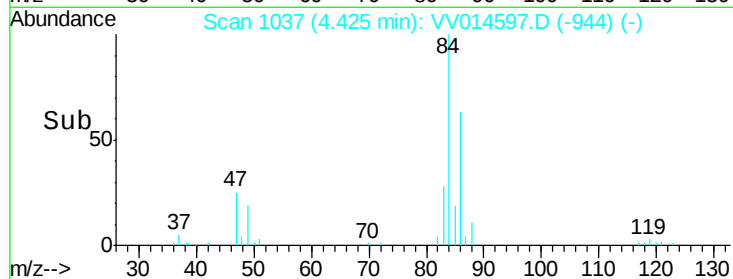
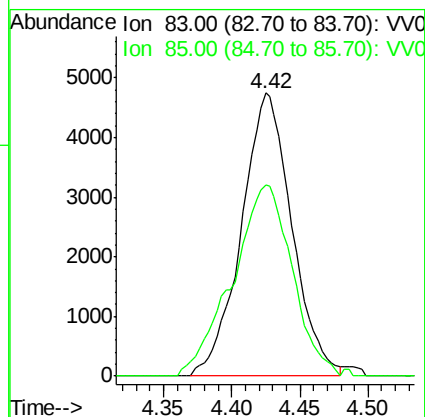
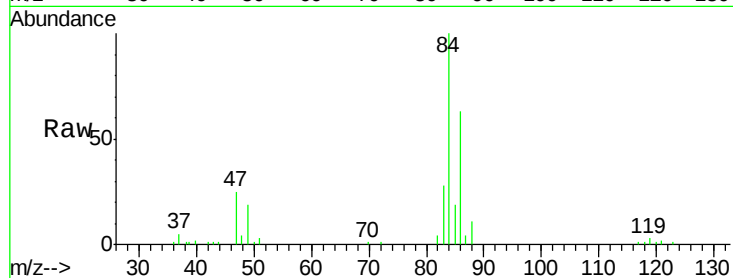
#25
Chloroform
Concen: 3.574 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion: 83 Resp: 12178
Ion Ratio Lower Upper
83 100
85 67.6 45.4 84.4

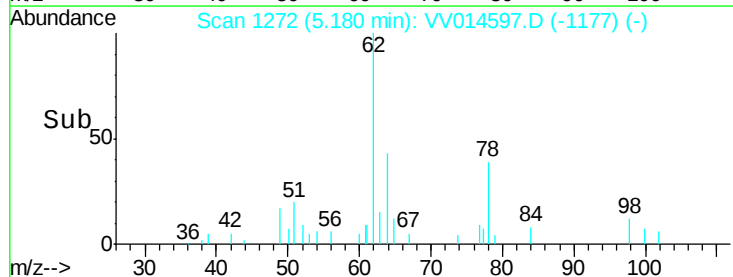
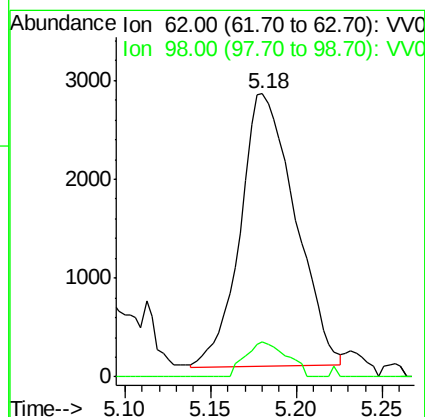
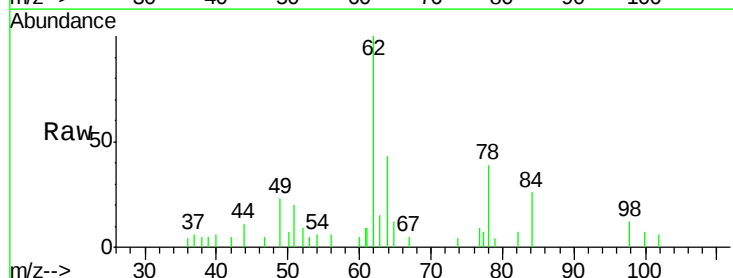
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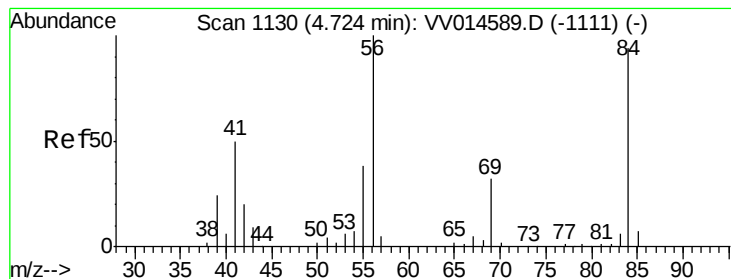
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#27
1,2-Dichloroethane
Concen: 2.396 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Tgt Ion: 62 Resp: 6106
Ion Ratio Lower Upper
62 100
98 12.4 8.1 12.1#





#29

Cyclohexane

Concen: 2.680 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

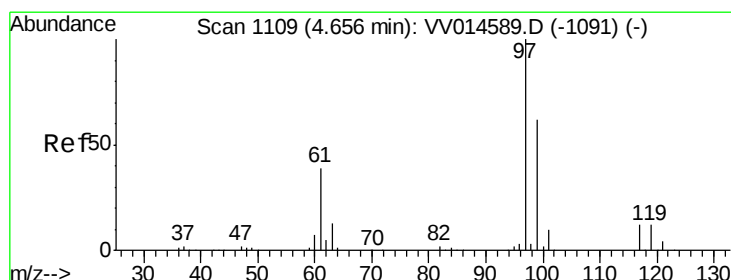
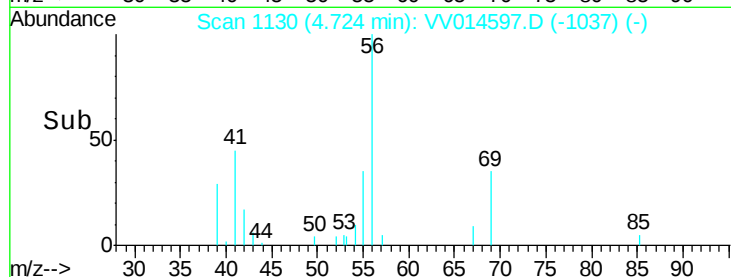
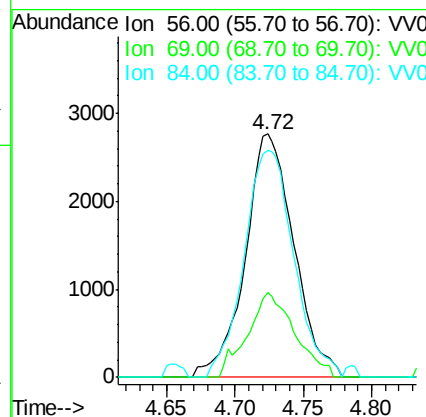
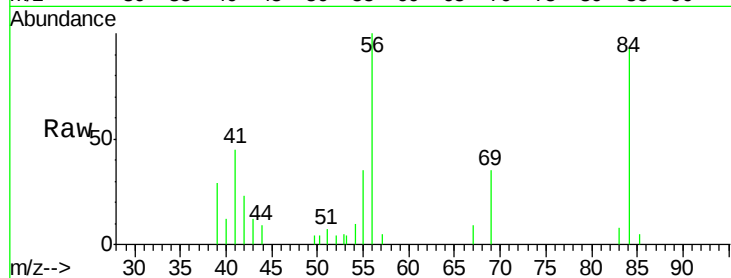
ClientSampleId :

MDL06

Tot Ion:	56	Resp:	6855
Ion	Ratio	Lower	Upper
56	100		
69	26.7	26.6	39.8
84	95.3	76.6	114.8

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#30

1,1,1-Trichloroethane

Concen: 2.399 ug/L

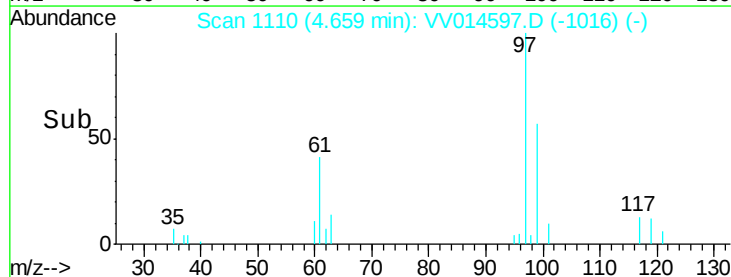
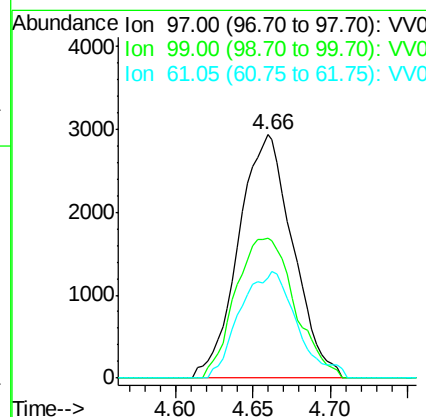
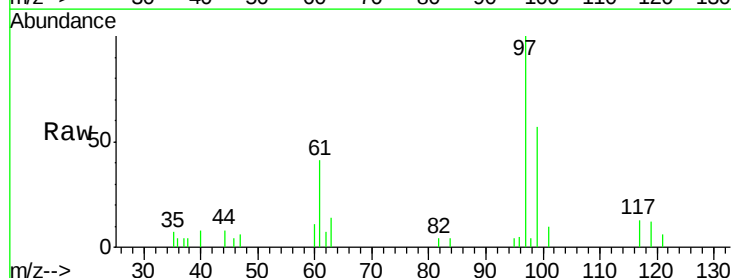
RT: 4.66 min Scan# 1110

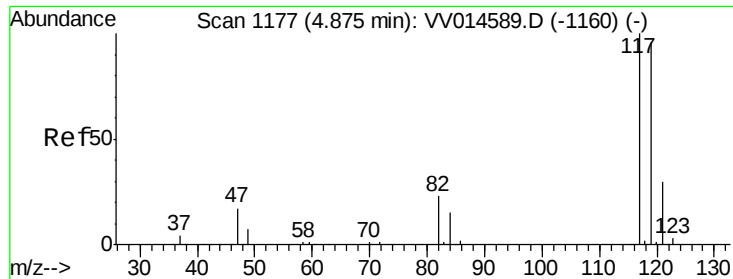
Delta R.T. 0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Tgt Ion:	97	Resp:	7141
Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.6	76.0
61	44.6	31.6	47.4





#31

Carbon tetrachloride

Concen: 2.430 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion:117 Resp: 6450

Ion Ratio Lower Upper

117 100

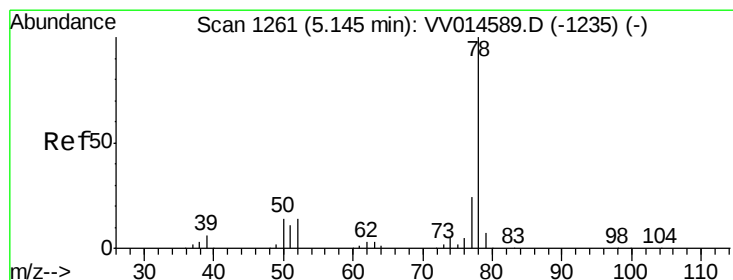
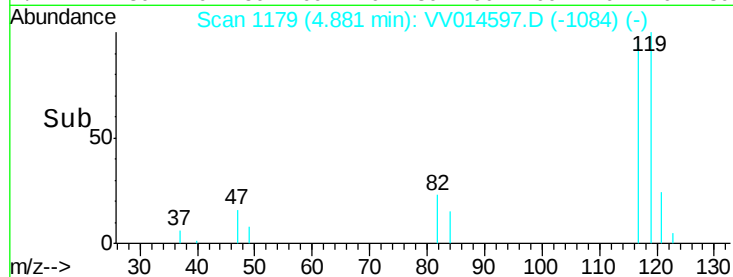
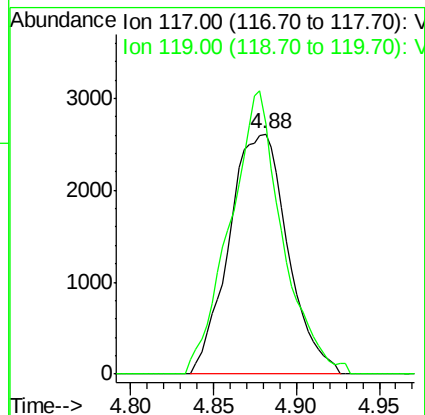
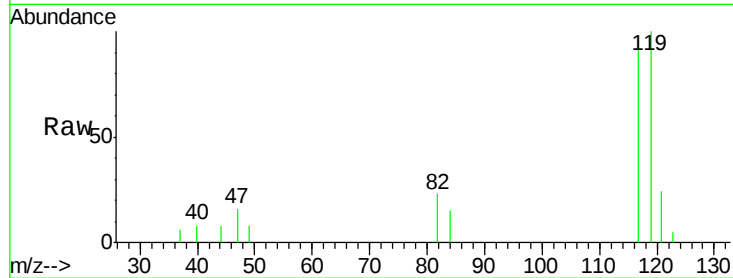
119 104.5 76.2 114.4

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#33

Benzene

Concen: 2.585 ug/L

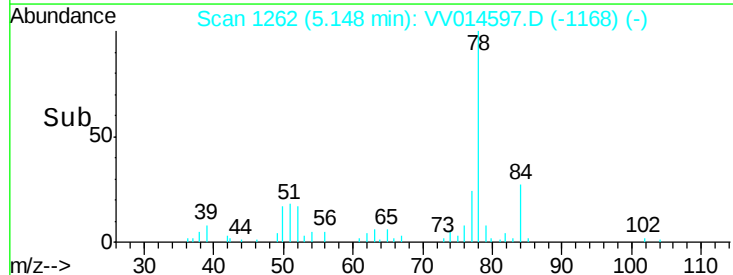
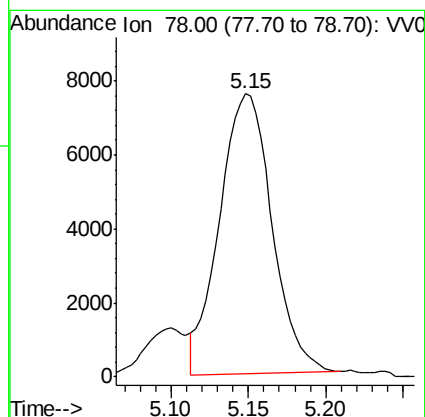
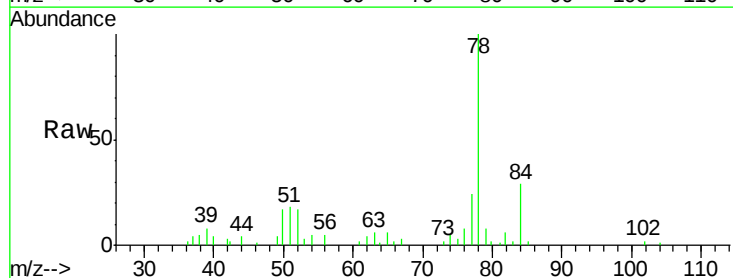
RT: 5.15 min Scan# 1262

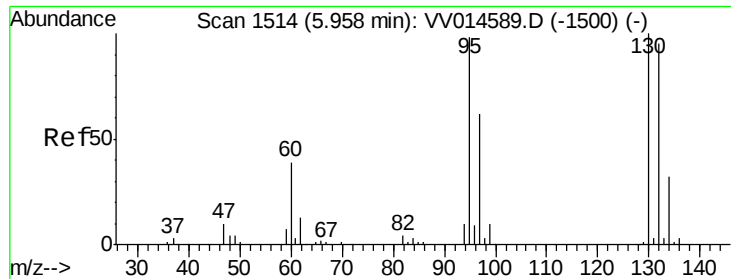
Delta R.T. 0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Tgt Ion: 78 Resp: 17796





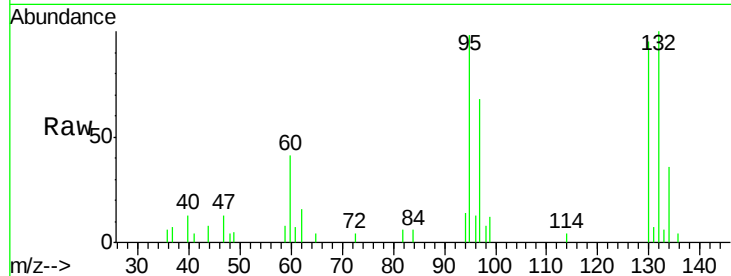
#34
 Trichloroethene
 Concen: 2.662 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.01 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

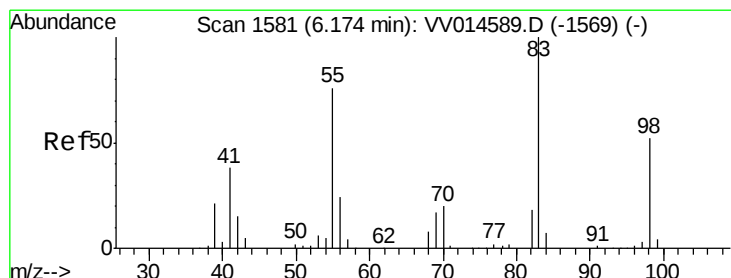
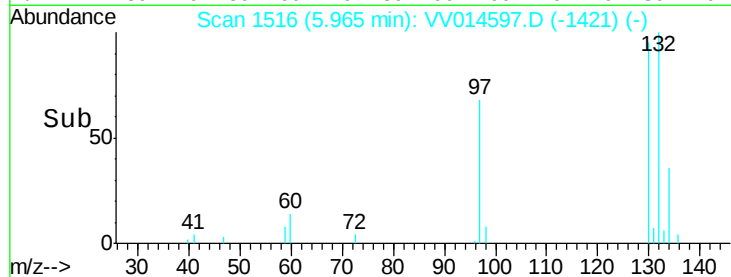
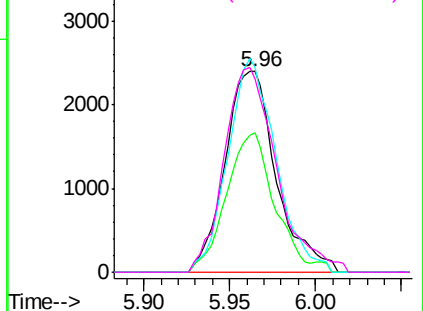
Tot Ion	95	Resp	4998
Ion	Ratio	Lower	Upper
95	100		
97	69.6	44.4	82.4
132	101.8	67.8	125.8
130	96.4	71.4	132.6

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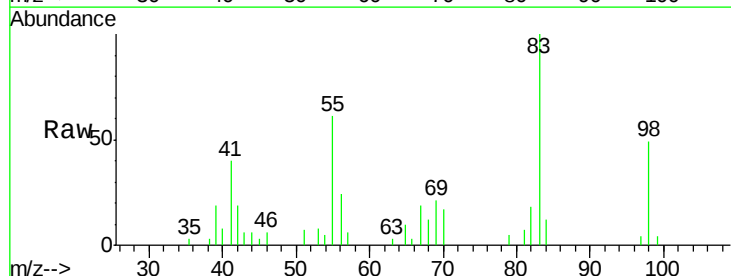


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

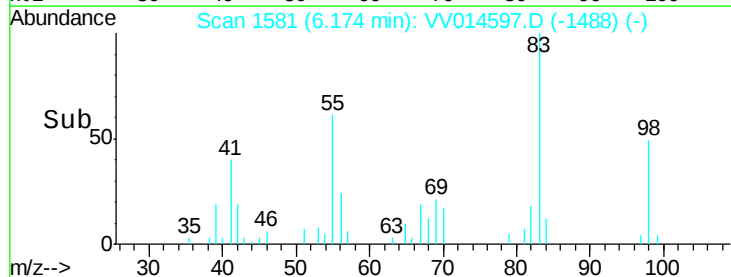
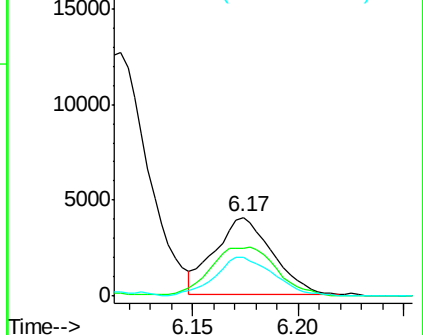


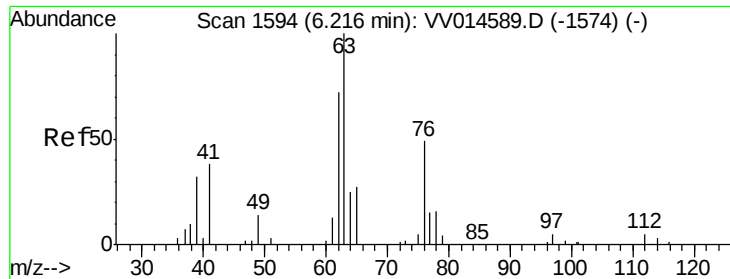
#35
 Methylcyclohexane
 Concen: 2.591 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion	83	Resp	7566
Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.4	86.2#
98	52.0	40.4	60.6



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





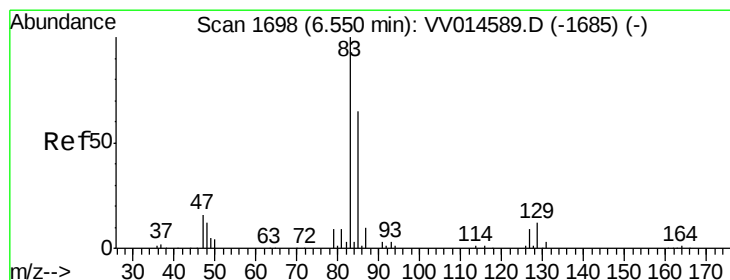
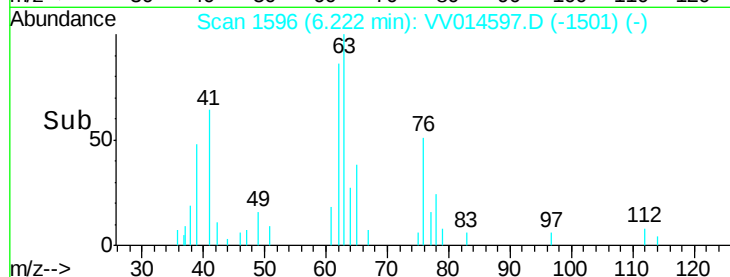
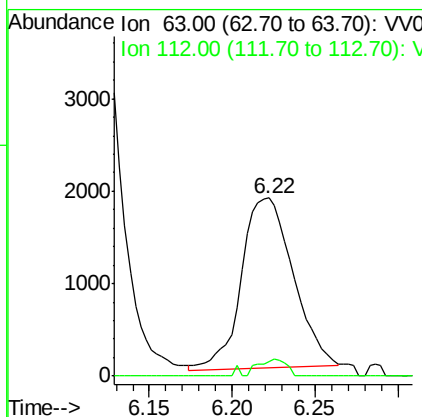
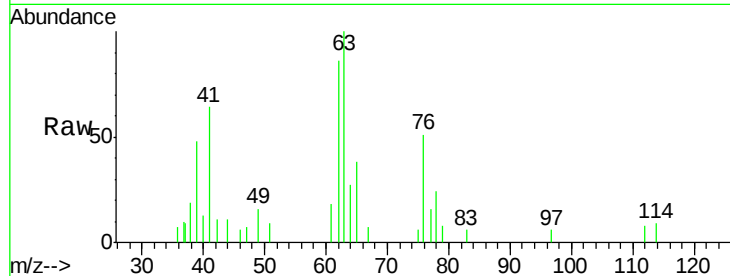
#37
 1,2-Dichloropropane
 Concen: 2.407 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion: 63 Resp: 4019
 Ion Ratio Lower Upper
 63 100
 112 3.7 4.2 6.2#

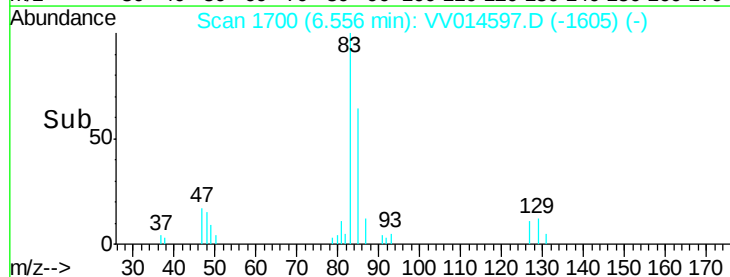
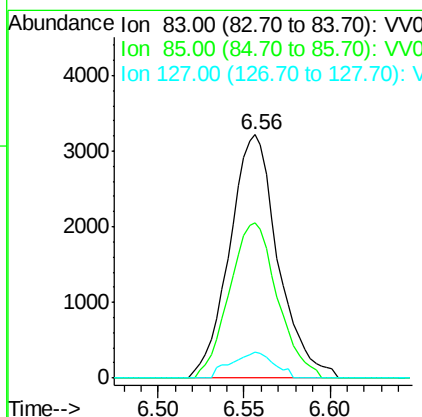
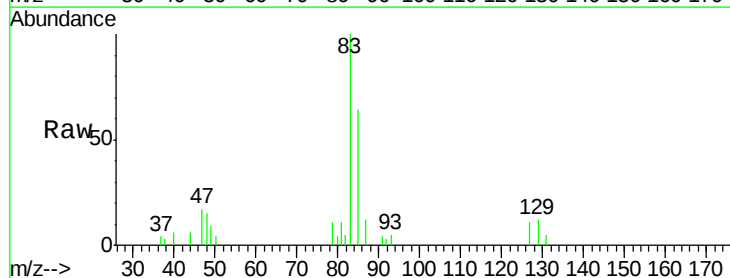
Manual Integrations
 APPROVED

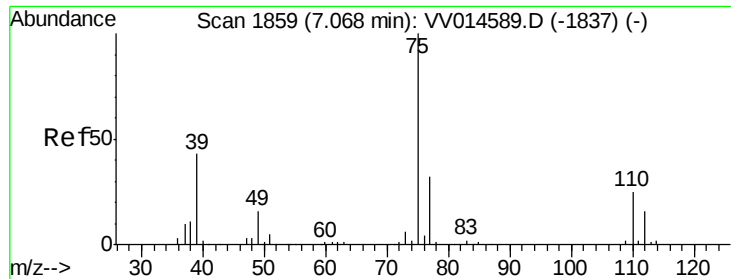
MMDadoda
 2/24/2020 12:32:54 PM



#38
 Bromodichloromethane
 Concen: 2.424 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.01 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion: 83 Resp: 6303
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.5 84.5
 127 10.5 7.1 10.7





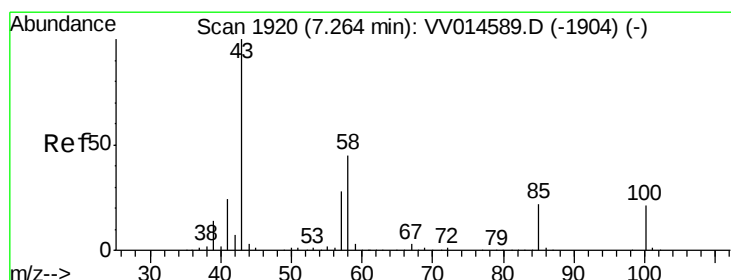
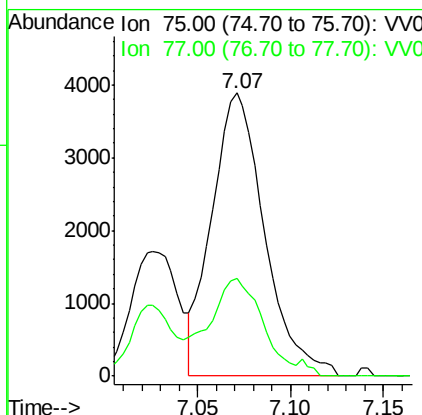
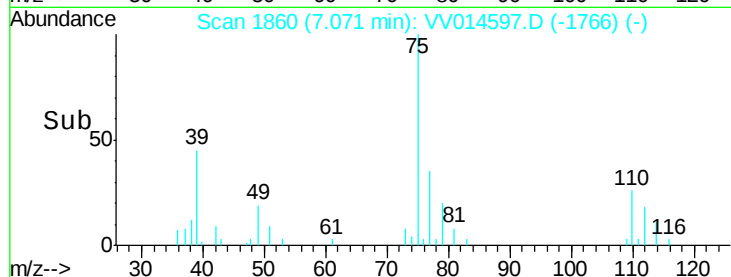
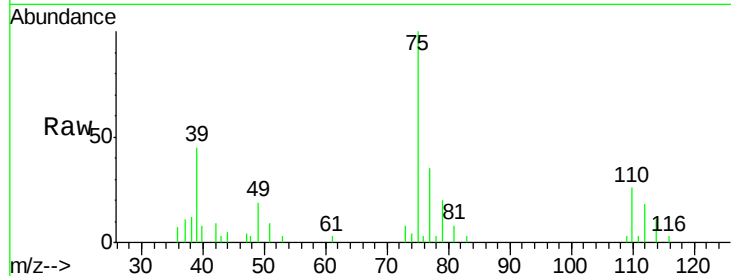
#39
 cis-1,3-Dichloropropene
 Concen: 2.600 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion: 75 Resp: 7699
 Ion Ratio Lower Upper
 75 100
 77 34.7 22.3 41.5

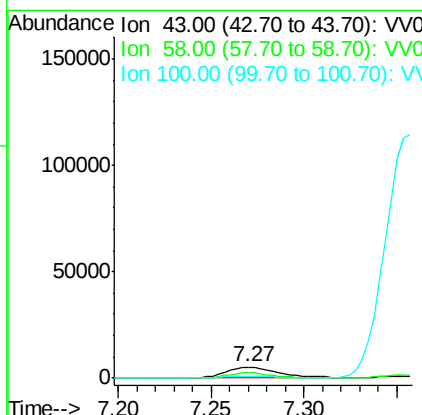
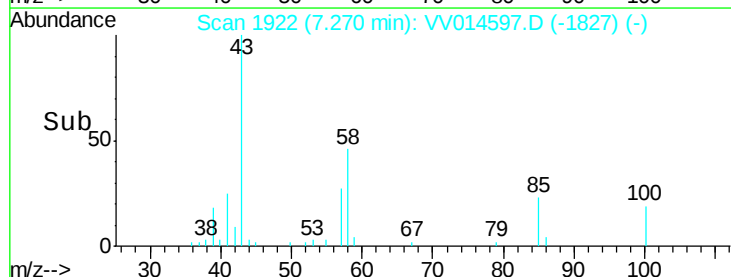
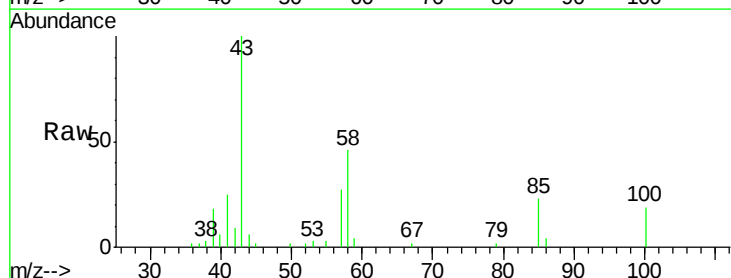
Manual Integrations
 APPROVED

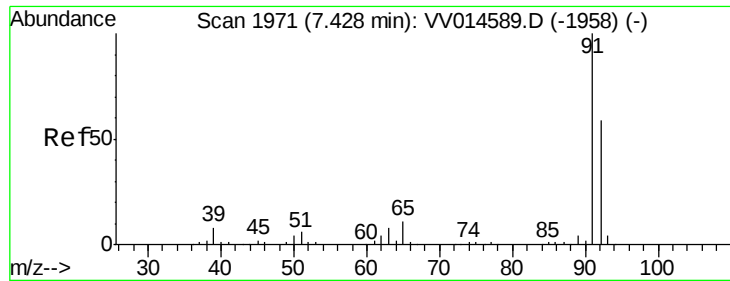
MMDadoda
 2/24/2020 12:32:54 PM



#40
 4-Methyl-2-pentanone
 Concen: 4.869 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion: 43 Resp: 10167
 Ion Ratio Lower Upper
 43 100
 58 45.6 35.6 53.4
 100 19.8 16.0 24.0





#42

Toluene

Concen: 2.705 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 20516

Ion Ratio Lower Upper

91 100

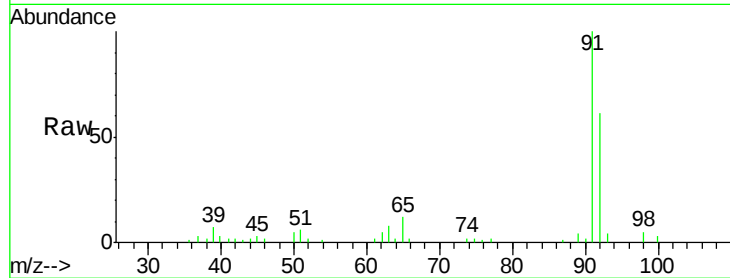
92 61.2 41.2 76.6

Manual Integrations

APPROVED

MMDadoda

2/24/2020 12:32:54 PM

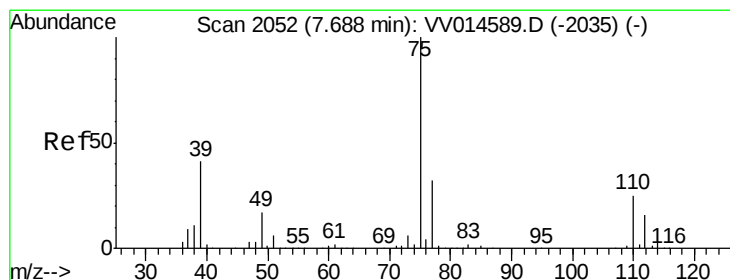
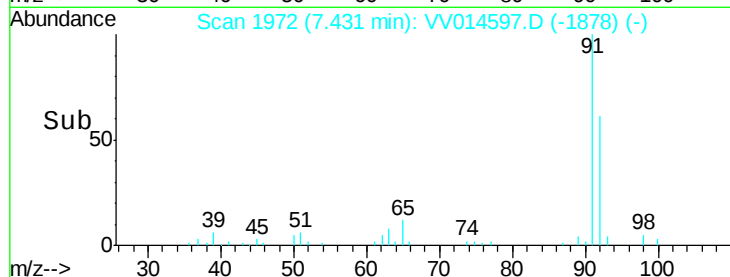


Abundance Ion 91.00 (90.70 to 91.70): VV014589.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV014589.D (-1958) (-)

7.43

Time-->



#44

trans-1,3-Dichloropropene

Concen: 2.523 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014597.D

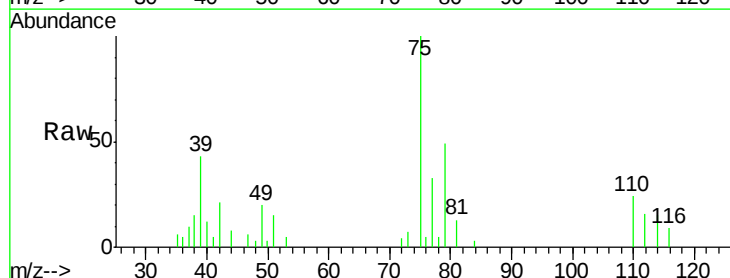
Acq: 17 Feb 2020 16:48

Tgt Ion: 75 Resp: 6960

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.1

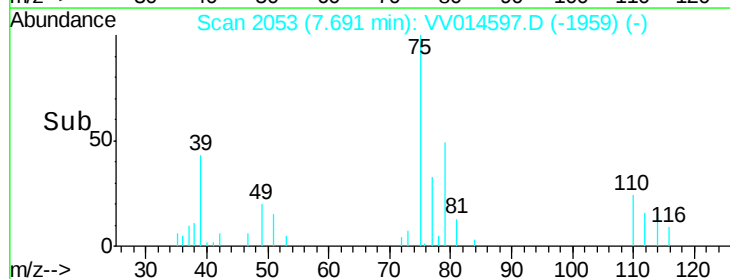


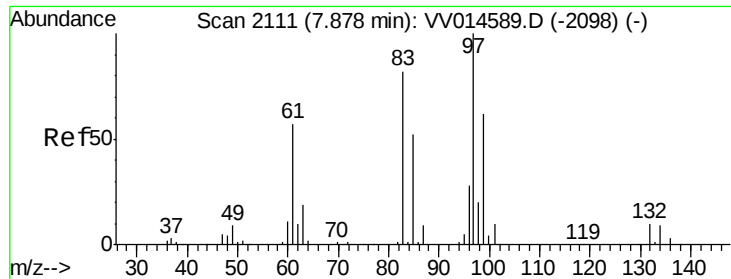
Abundance Ion 75.00 (74.70 to 75.70): VV014589.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV014589.D (-2035) (-)

7.69

Time-->





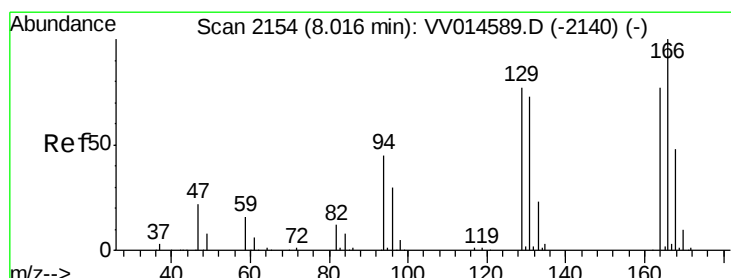
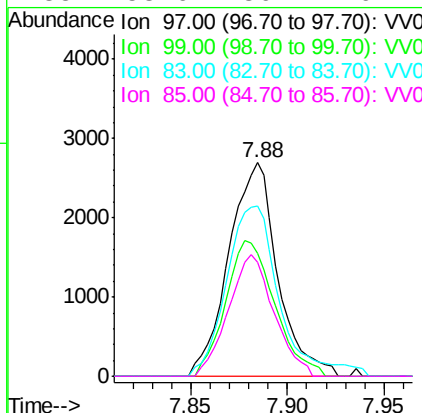
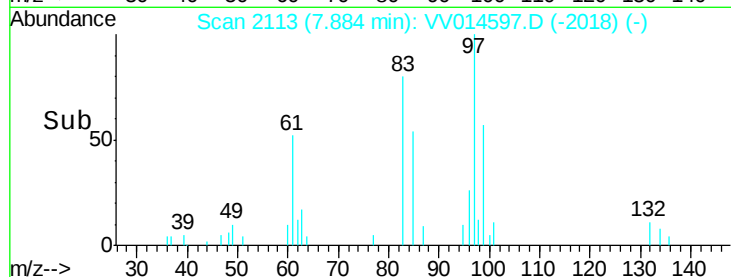
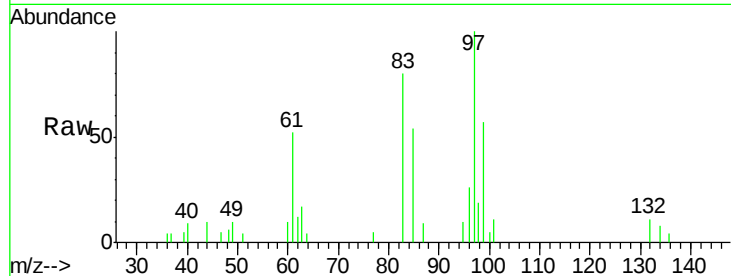
#45
1,1,2-Trichloroethane
Concen: 2.643 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.01 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion:	97	Resp:	4748
Ion	Ratio	Lower	Upper
97	100		
99	57.4	43.4	80.6
83	79.6	57.6	107.0
85	53.6	36.1	67.1

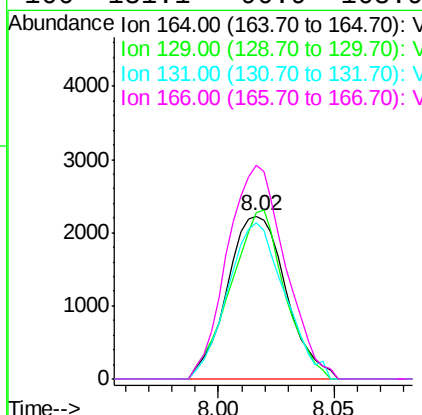
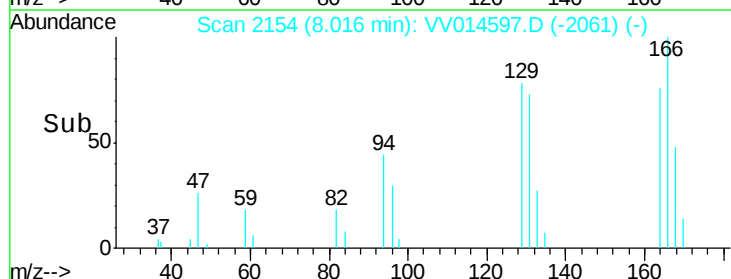
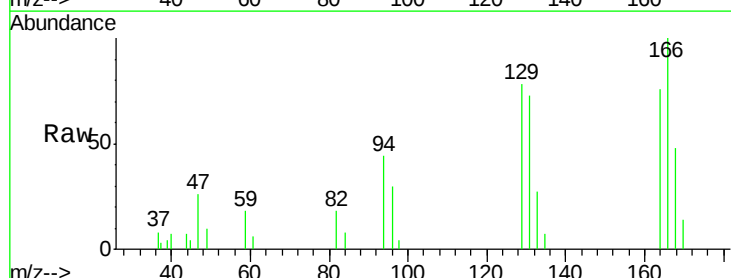
Manual Integrations
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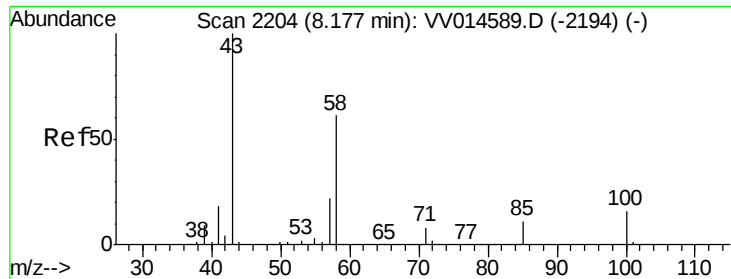
MMDadoda
2/24/2020 12:32:54 PM



#46
Tetrachloroethene
Concen: 2.616 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Tgt Ion:	164	Resp:	3927
Ion	Ratio	Lower	Upper
164	100		
129	101.8	69.8	129.6
131	95.7	66.2	123.0
166	131.1	90.9	168.9





#48

2-Hexanone

Concen: 5.915 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VV014597.D

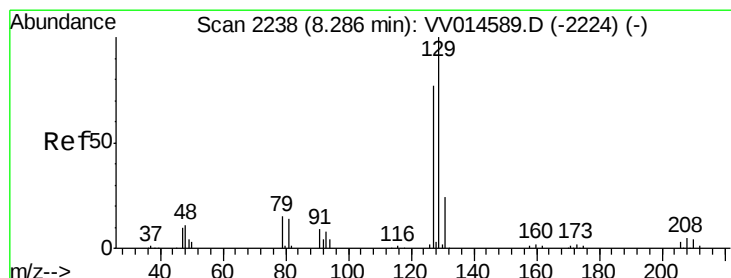
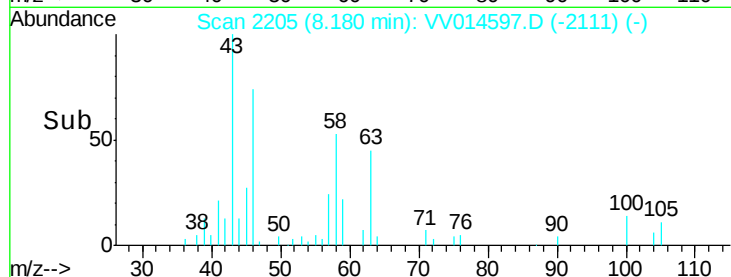
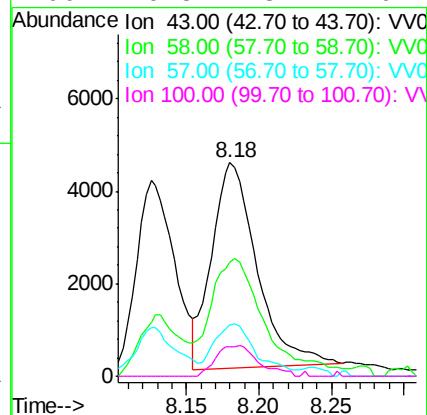
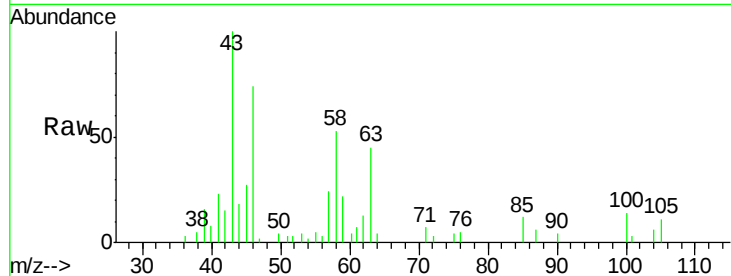
Acq: 17 Feb 2020 16:48

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion:	43	Resp:	9642
Ion	Ratio	Lower	Upper
43	100		
58	67.7	49.8	74.6
57	14.4	17.0	25.6#
100	6.8	13.4	20.2#

Manual Integrations
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MMDadoda
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#49

Dibromochloromethane

Concen: 2.354 ug/L

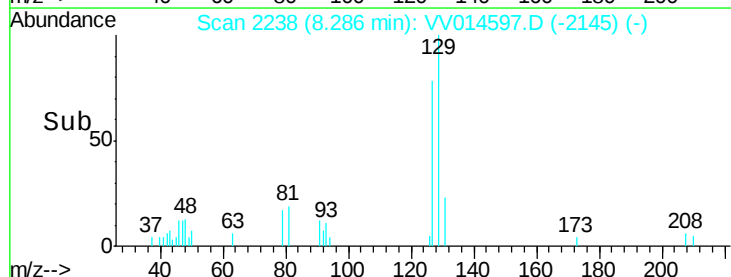
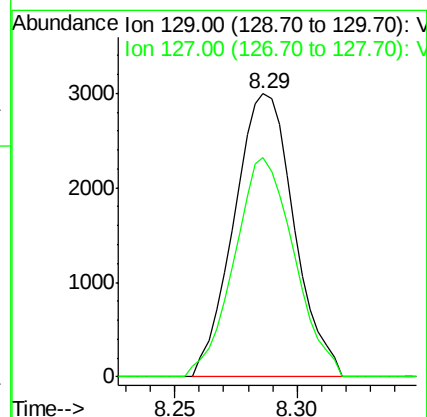
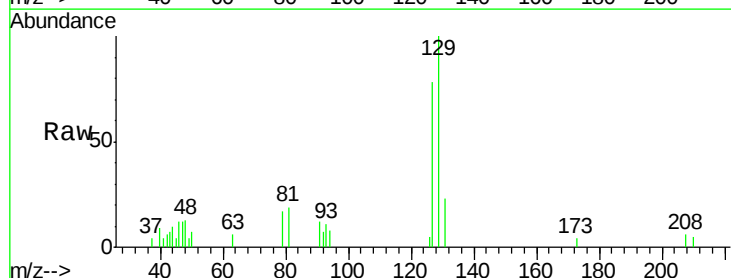
RT: 8.29 min Scan# 2238

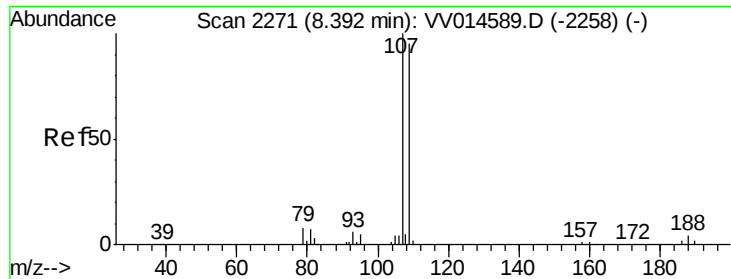
Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Tgt Ion:	129	Resp:	5123
Ion	Ratio	Lower	Upper
129	100		
127	77.6	53.8	100.0





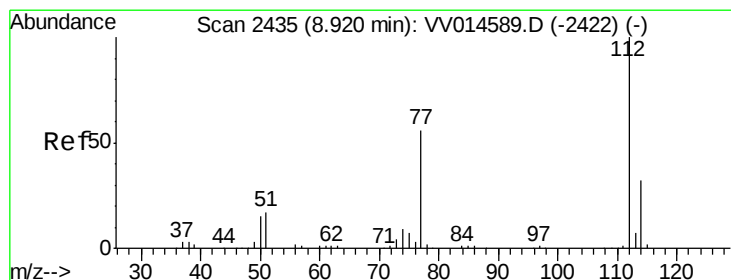
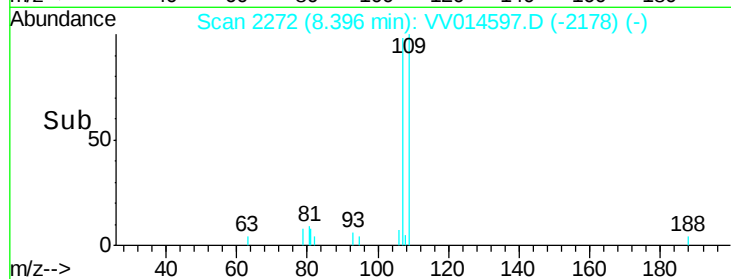
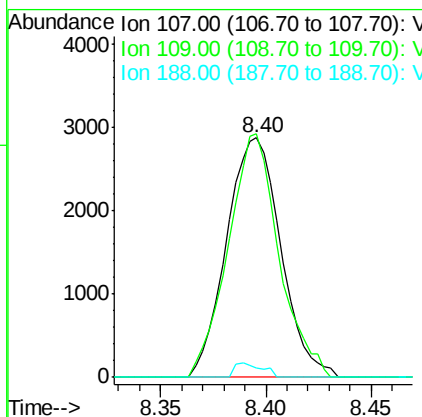
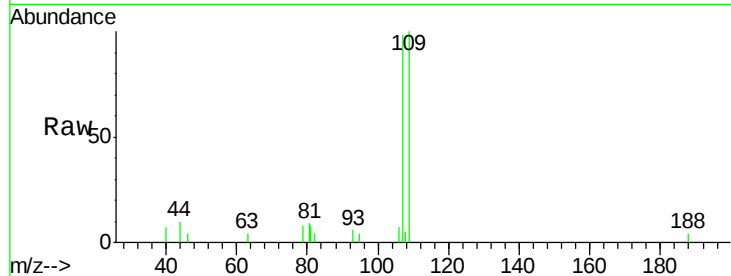
#50
1,2-Dibromoethane
Concen: 2.608 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
107	100		
109	101.7	66.5	123.5
188	3.9	3.3	4.9

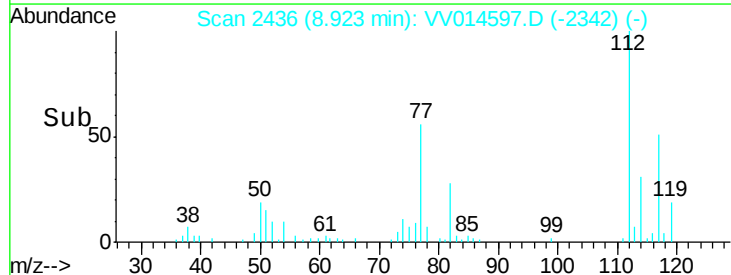
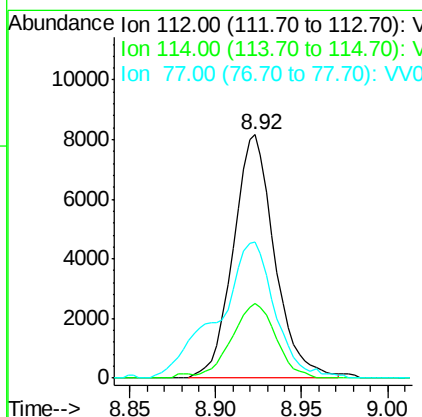
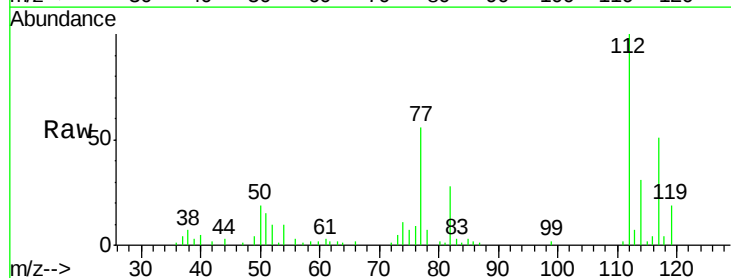
Manual Integrations
APPROVED

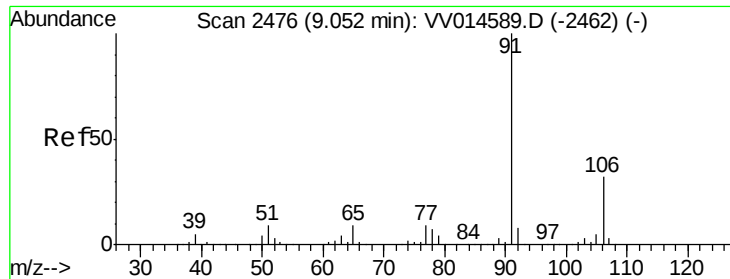
MMDadoda
2/24/2020 12:32:54 PM



#51
Chlorobenzene
Concen: 2.668 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.5	22.4	41.6
77	55.7	45.5	68.3





#52

Ethylbenzene

Concen: 2.533 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 22078

Ion Ratio Lower Upper

91 100

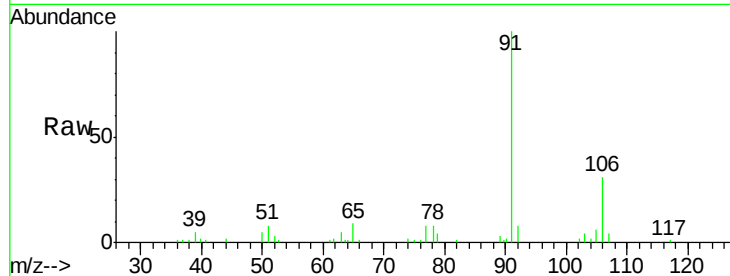
106 30.9 22.0 41.0

Manual Integrations

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2/24/2020 12:32:54 PM



Abundance Ion 91.00 (90.70 to 91.70): VV014589.D (-2462) (-)

Ion 106.00 (105.70 to 106.70): VV014589.D (-2462) (-)

9.05

15000

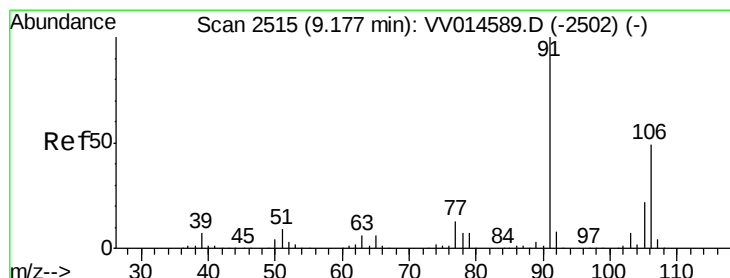
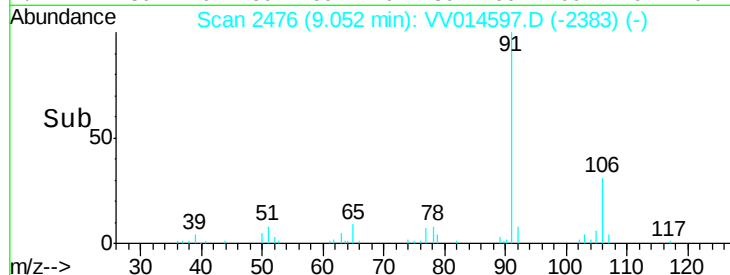
10000

5000

0

Time-->

9.00 9.05 9.10



#53

m,p-Xylene

Concen: 2.625 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014597.D

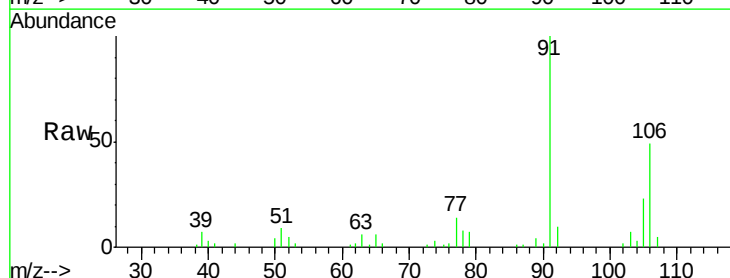
Acq: 17 Feb 2020 16:48

Tgt Ion: 106 Resp: 8853

Ion Ratio Lower Upper

106 100

91 202.0 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): VV014589.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV014589.D (-2502) (-)

9.18

10000

8000

6000

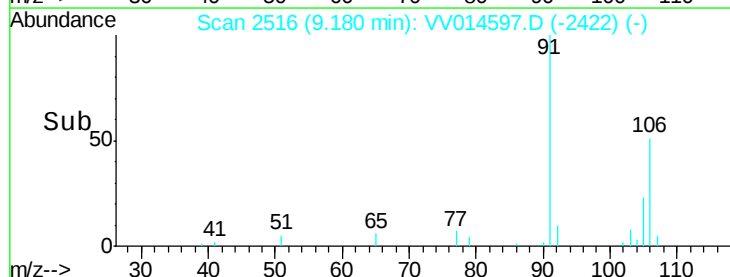
4000

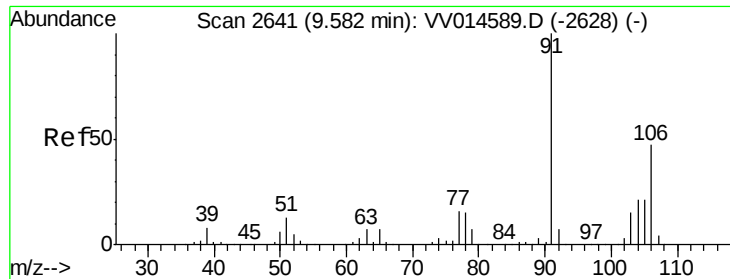
2000

0

Time-->

9.15 9.20 9.25





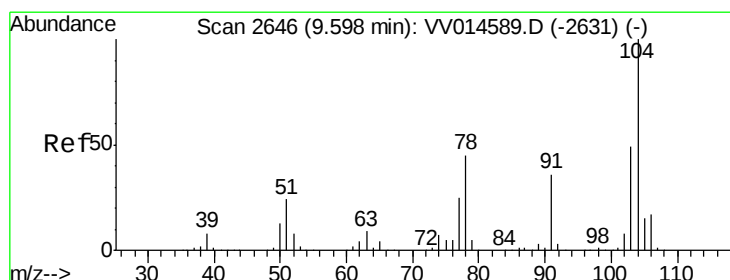
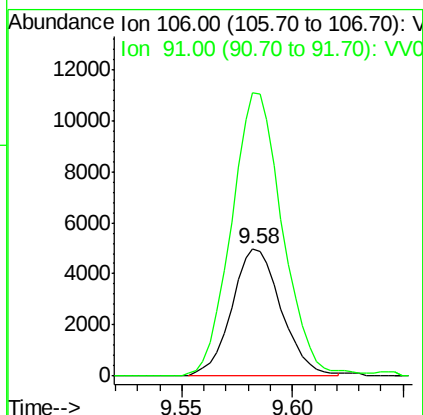
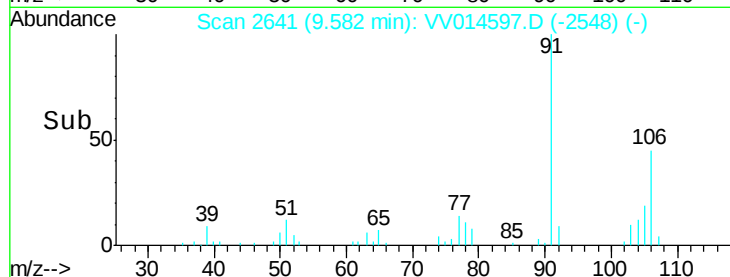
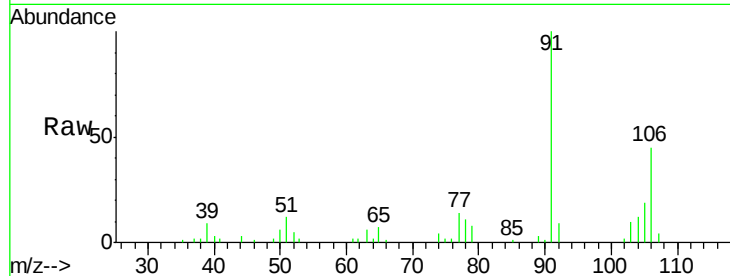
#54
o-Xylene
Concen: 2.391 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion:106 Resp: 7766
Ion Ratio Lower Upper
106 100
91 222.4 150.5 279.5

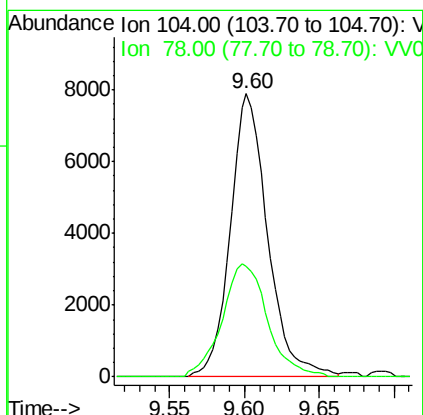
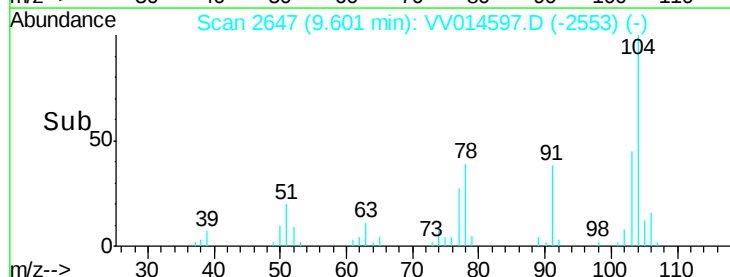
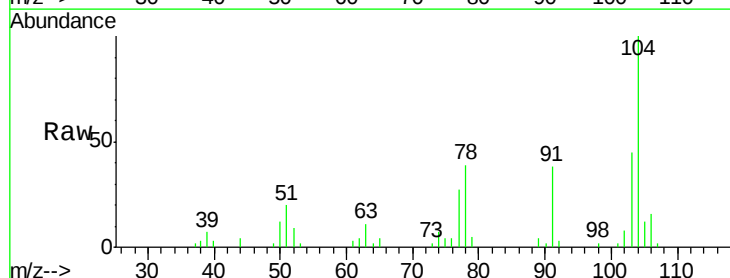
Manual Integrations
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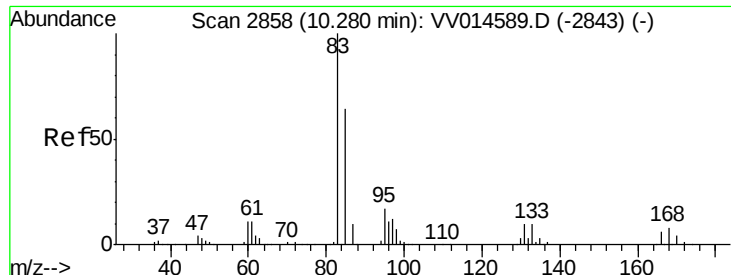
MMDadoda
2/24/2020 12:32:54 PM



#55
Styrene
Concen: 2.481 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Tgt Ion:104 Resp: 13720
Ion Ratio Lower Upper
104 100
78 39.3 31.9 59.2





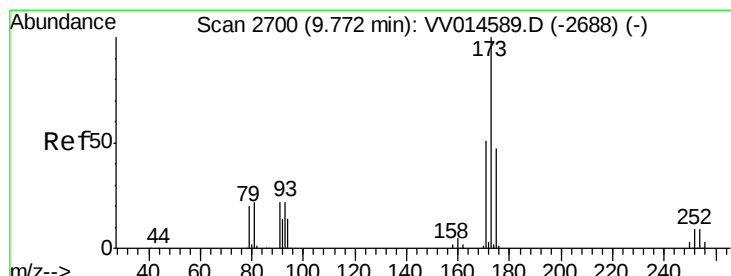
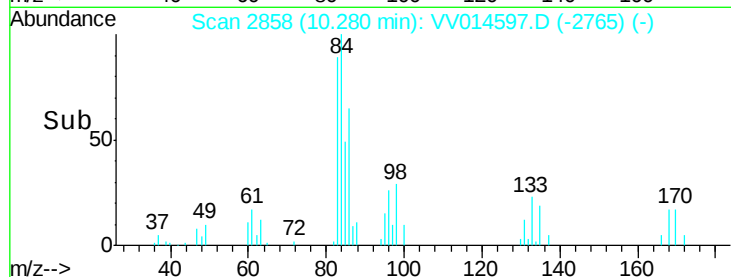
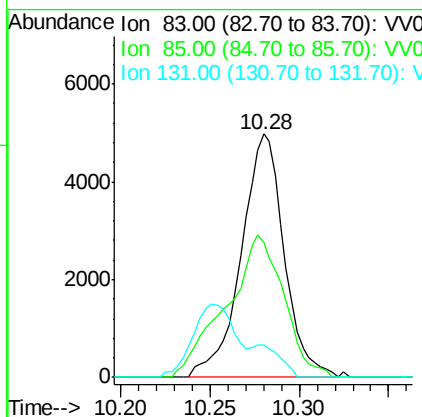
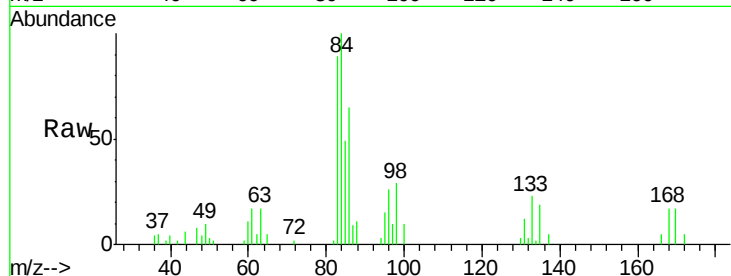
#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.912 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
83	100		
85	55.2	44.9	83.3
131	16.3	8.4	12.6#

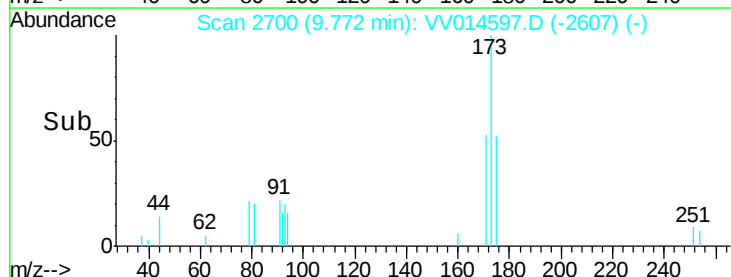
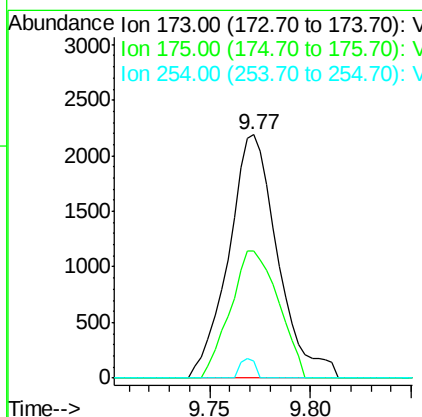
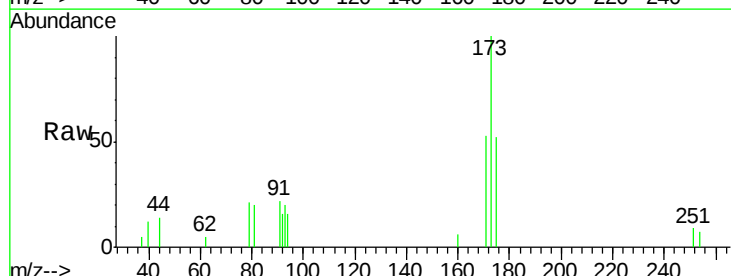
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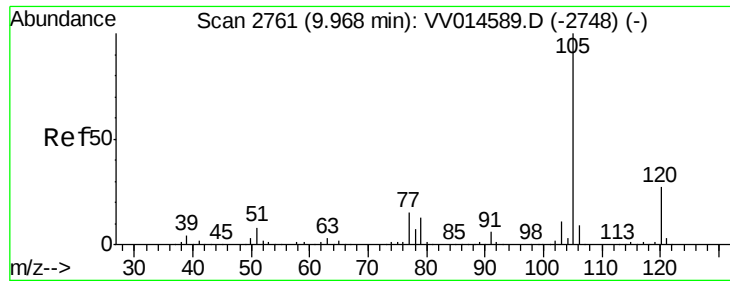
MMDadoda
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#59
 Bromoform
 Concen: 2.547 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.2	38.5	57.7
254	2.5	7.4	11.0#





#60

Isopropylbenzene

Concen: 2.571 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Instrument :

MSVOA_V

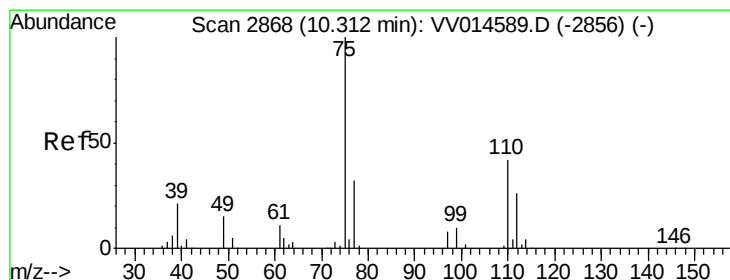
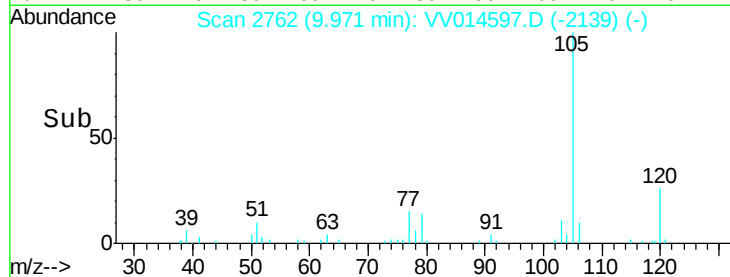
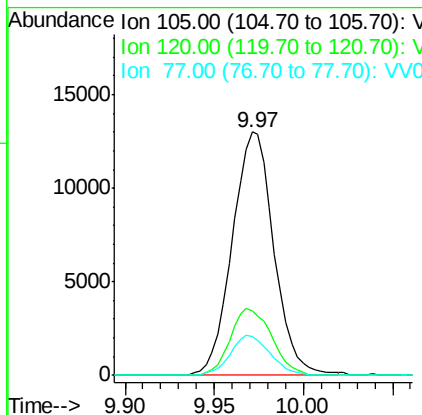
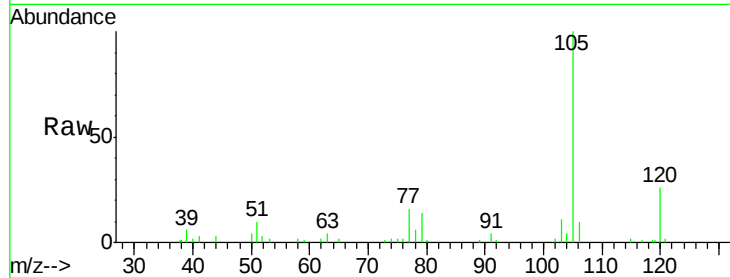
ClientSampleId :

MDL06

Tot Ion:	105	Resp:	21131
Ion Ratio	Lower	Upper	
105	100		
120	27.3	21.4	32.0
77	15.7	12.2	18.2

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#61

1,2,3-Trichloropropane

Concen: 2.878 ug/L

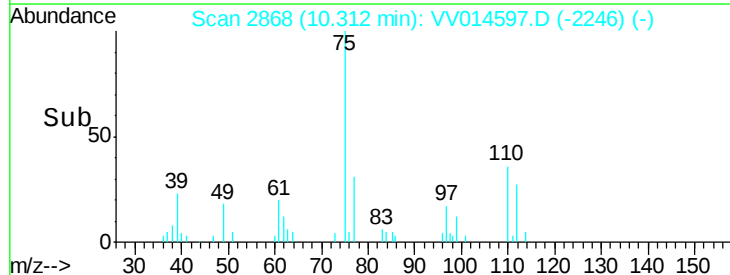
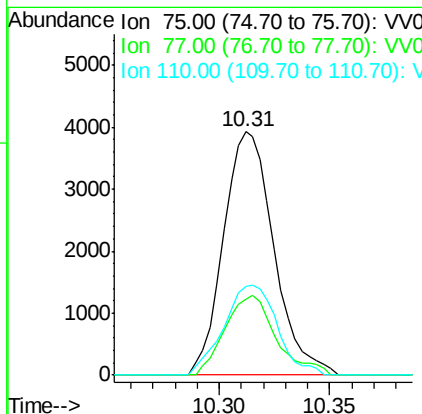
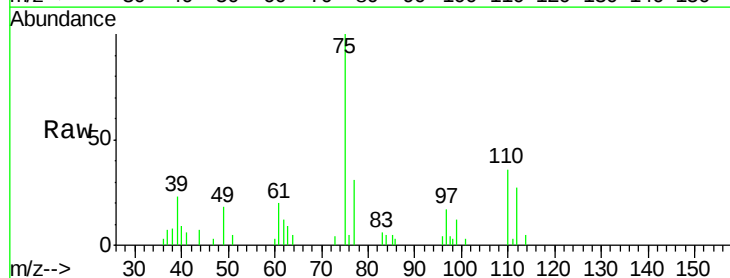
RT: 10.31 min Scan# 2868

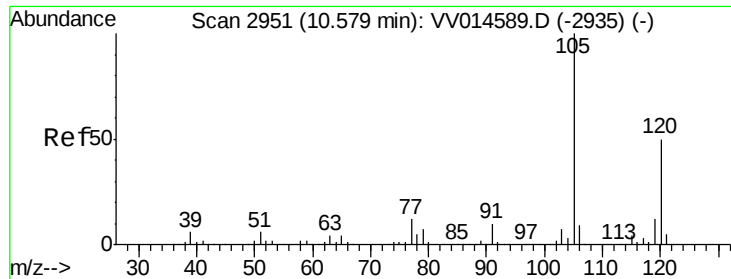
Delta R.T. -0.00 min

Lab File: VV014597.D

Acq: 17 Feb 2020 16:48

Tgt Ion:	75	Resp:	6211
Ion Ratio	Lower	Upper	
75	100		
77	33.2	25.6	38.4
110	39.3	33.4	50.0





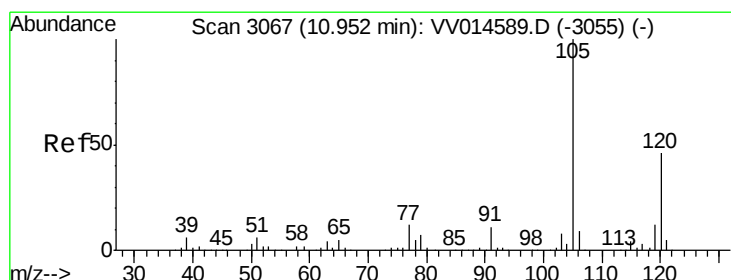
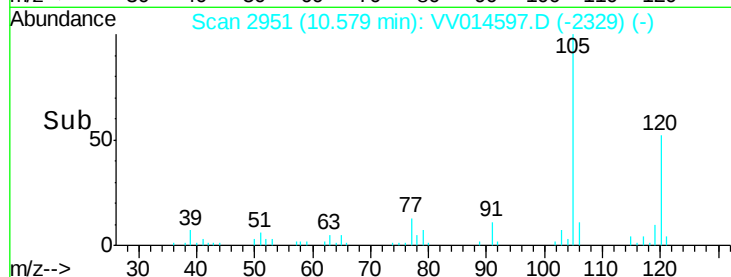
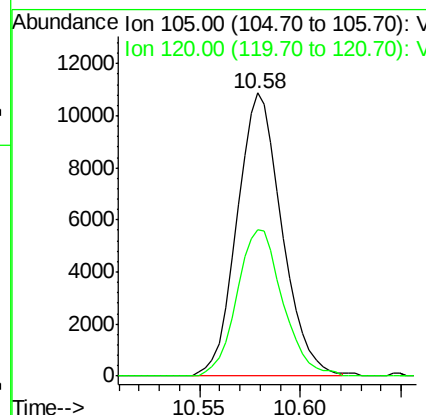
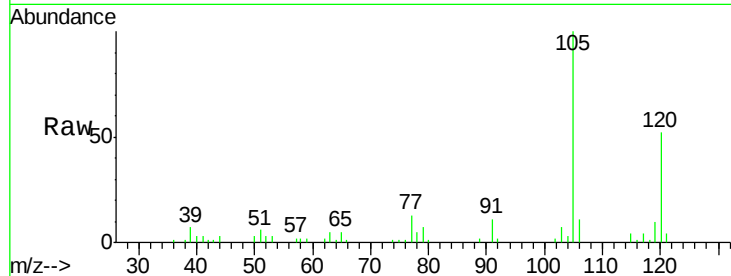
#62
 1,3,5-Trimethylbenzene
 Concen: 2.408 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion:105 Resp: 16910
 Ion Ratio Lower Upper
 105 100
 120 52.9 39.8 59.6

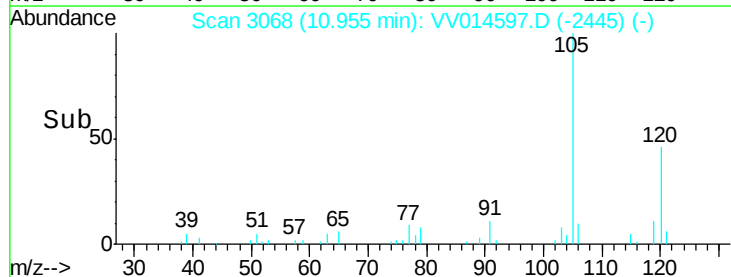
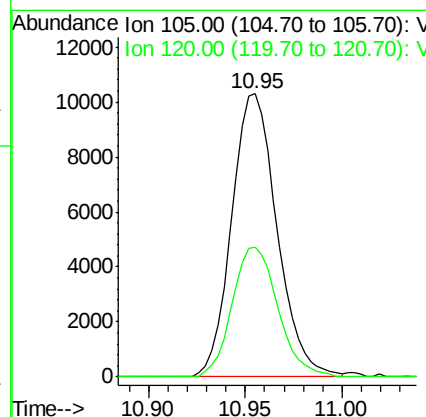
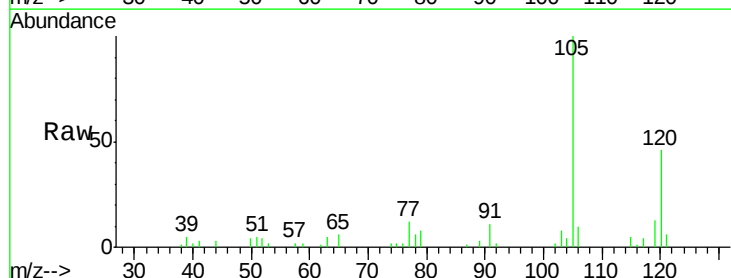
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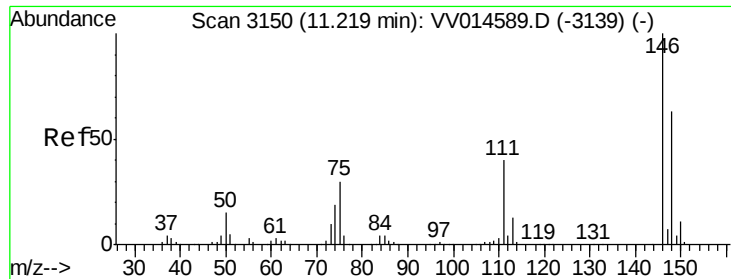
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#63
 1,2,4-Trimethylbenzene
 Concen: 2.445 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion:105 Resp: 16771
 Ion Ratio Lower Upper
 105 100
 120 46.1 36.6 55.0





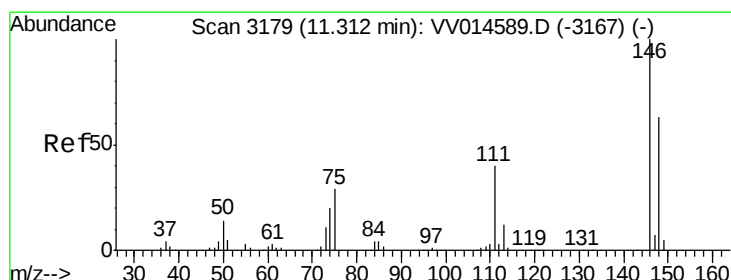
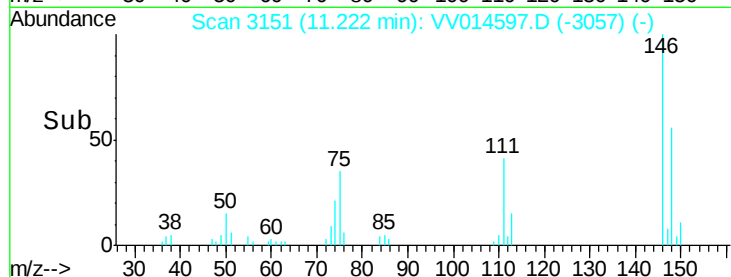
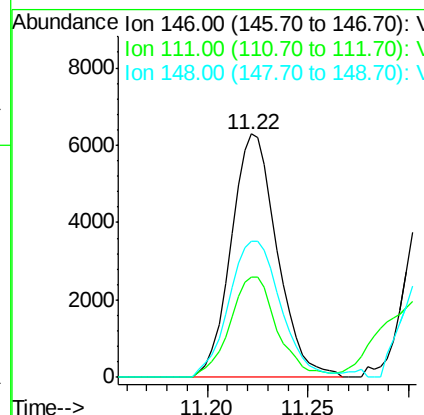
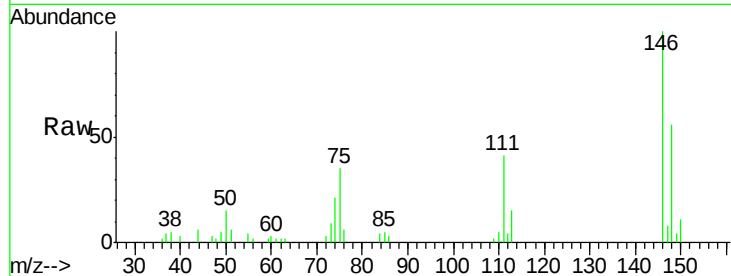
#64
 1,3-Dichlorobenzene
 Concen: 2.547 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	28.3	52.5
148	55.9	44.0	81.8

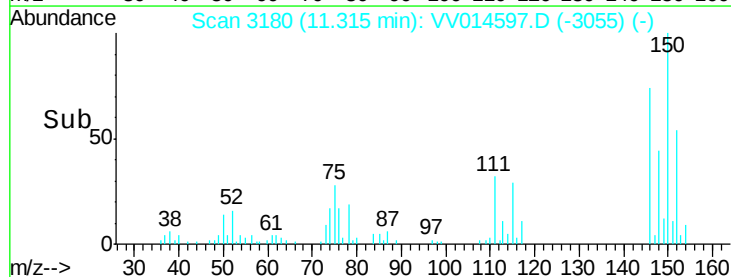
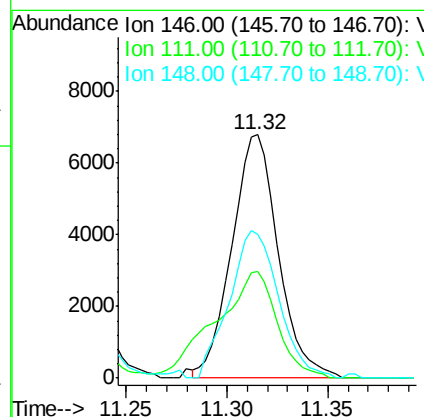
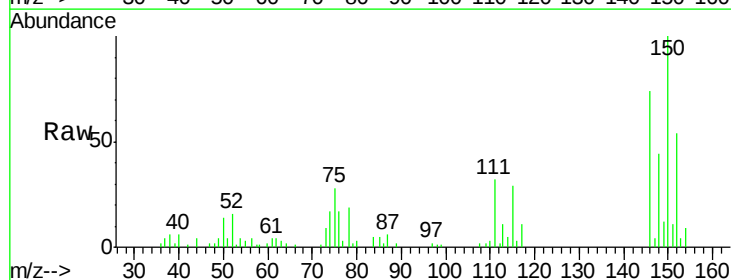
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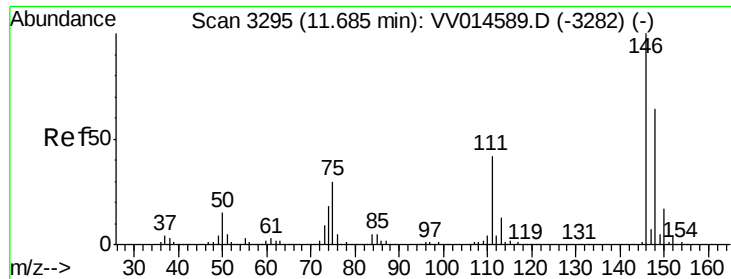
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#65
 1,4-Dichlorobenzene
 Concen: 2.718 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	27.9	51.9
148	59.0	44.2	82.2





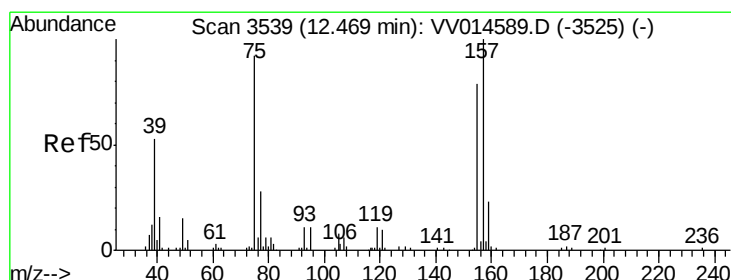
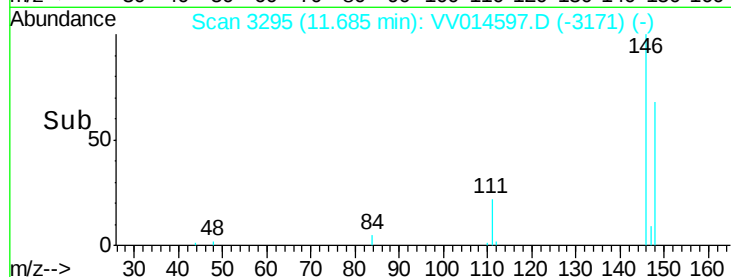
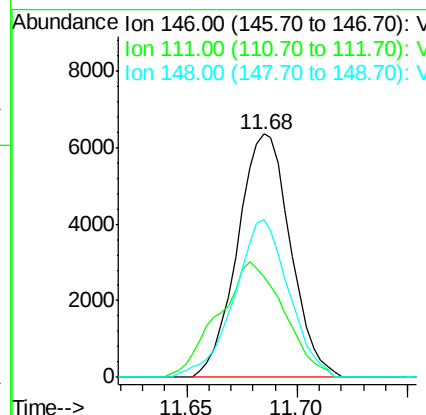
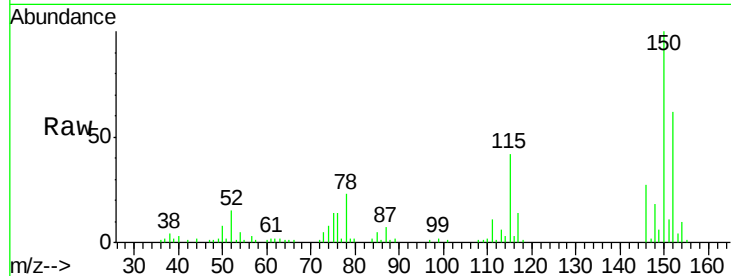
#67
 1,2-Dichlorobenzene
 Concen: 2.721 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	34.1	51.1
148	64.8	51.1	76.7

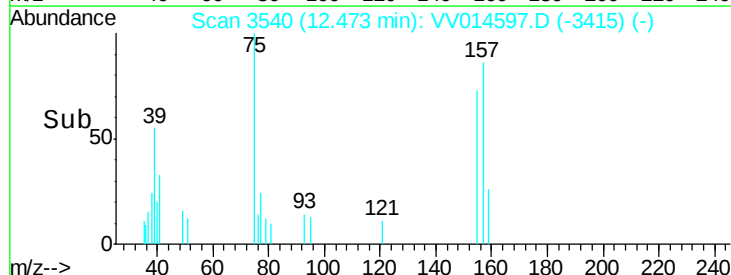
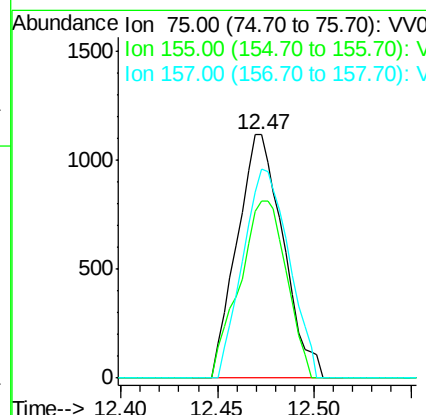
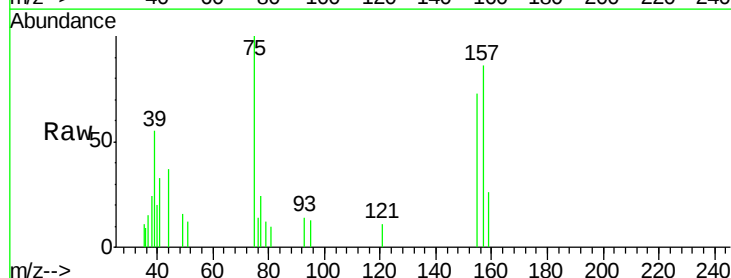
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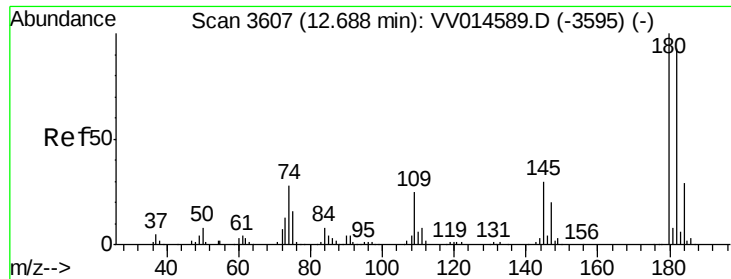
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.848 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.8	69.4	104.0
157	85.7	87.4	131.0#





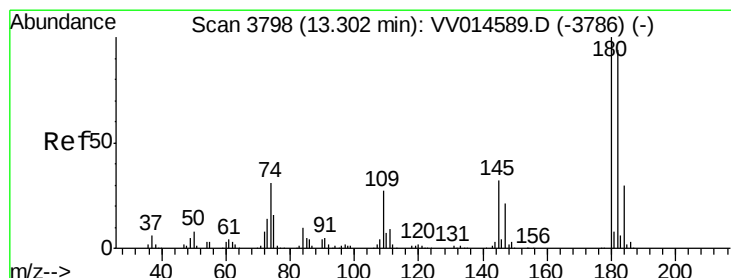
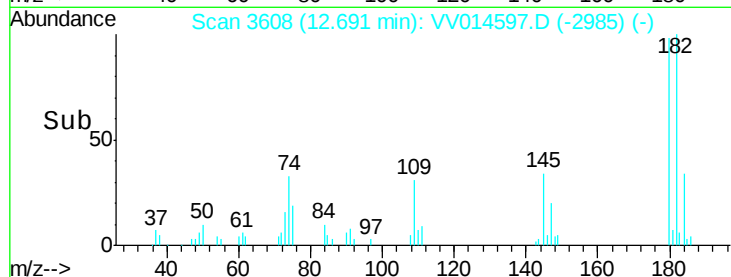
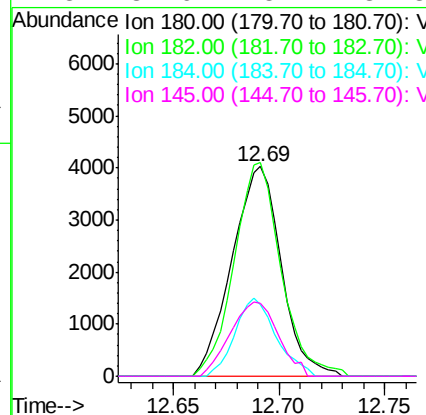
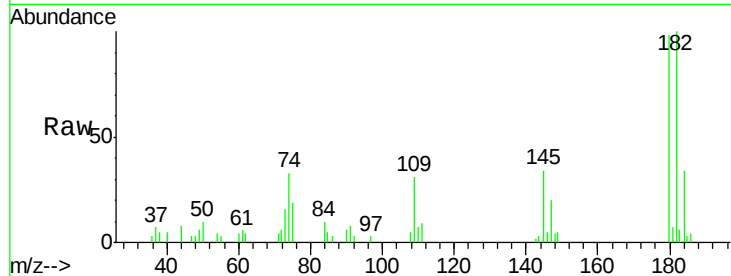
#69
 1,3,5-Trichlorobenzene
 Concen: 2.295 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.6	113.4
184	31.2	23.4	35.2
145	34.6	25.2	37.8

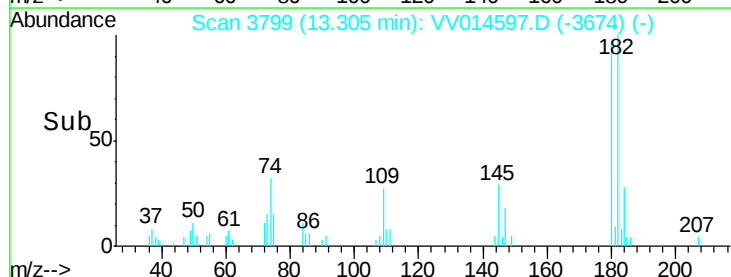
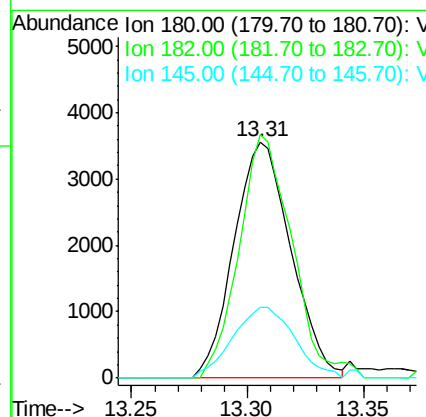
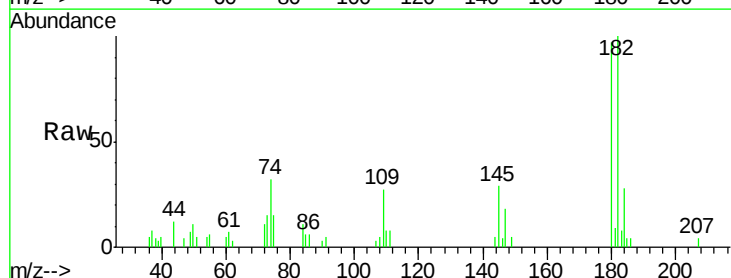
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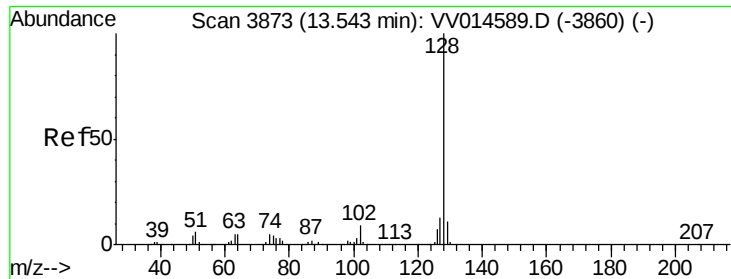
MMDadoda
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#70
 1,2,4-trichlorobenzene
 Concen: 2.367 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014597.D
 Acq: 17 Feb 2020 16:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.8	113.6
145	32.5	25.5	38.3





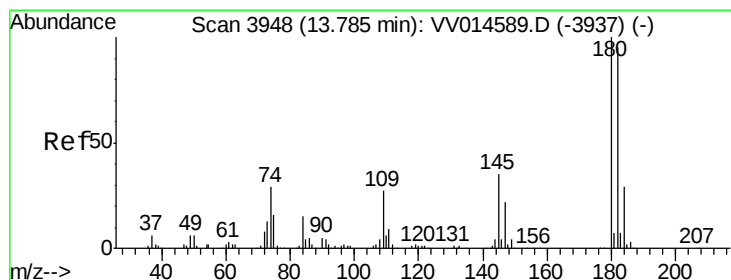
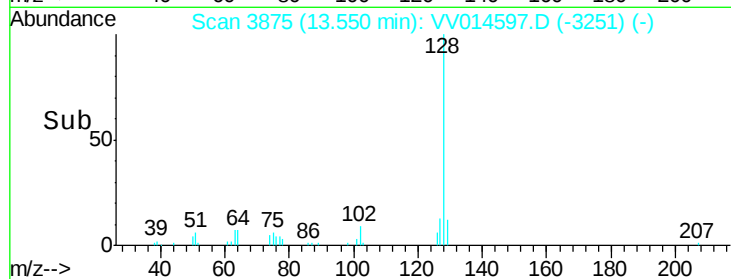
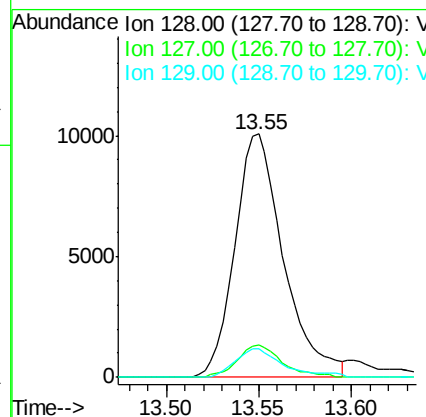
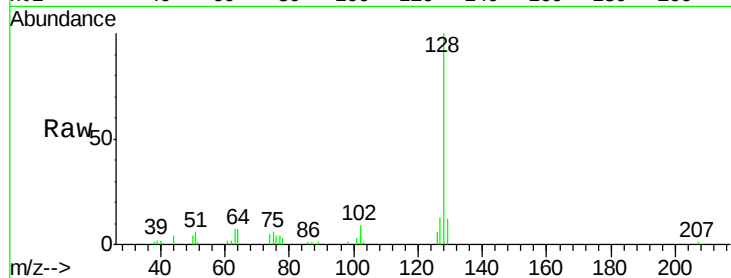
#71
Naphthalene
Concen: 2.333 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.01 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.3	15.5
129	11.4	8.6	13.0

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 2.358 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014597.D
Acq: 17 Feb 2020 16:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.0	114.0
145	36.4	27.7	41.5

