

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073119\
 Data File : VV012089.D
 Acq On : 30 Jul 2019 23:58
 Operator : SY/MD
 Sample : MDL06
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 9:58:38 AM

Quant Time: Jul 31 06:42:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 31 05:31:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	104631	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	103876	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	53333	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24372	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.59	69	19652	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.13	63	39994	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	3.97	46	69353	50.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.70%
24) Chloroform-d	4.40	84	69693	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.08	65	39214	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
32) Benzene-d6	5.10	84	133448	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.12	67	36313	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.36	98	123794	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	7.67	79	15178	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.14	63	54930	50.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26030	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	50845	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3994	0.344 ug/L	99
3) Chloromethane	1.25	50	1975	0.356 ug/L	94
5) Vinyl chloride	1.32	62	2226	0.368 ug/L #	70
6) Bromomethane	1.54	94	1288	0.343 ug/L	98
8) Chloroethane	1.60	64	1433	0.425 ug/L	86
9) Trichlorofluoromethane	1.77	101	4244	0.361 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2154	0.430 ug/L	86
12) 1,1-Dichloroethene	2.14	96	1825	0.397 ug/L #	1
13) Acetone	2.24	43	2123m	3.059 ug/L	
14) Carbon disulfide	2.32	76	4273	0.341 ug/L #	92
15) Methyl Acetate	2.47	43	579m	0.367 ug/L	
16) Methylene chloride	2.54	84	1977	0.414 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	5191	0.340 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	2770	0.405 ug/L	76
19) 1,1-Dichloroethane	3.23	63	3847	0.316 ug/L	96
21) 2-Butanone	4.05	43	4922m	3.577 ug/L	
22) cis-1,2-Dichloroethene	3.97	96	2481	0.338 ug/L	83

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

23) Bromochloromethane	4.31	128	1158	0.351	ug/L #	73
25) Chloroform	4.43	83	10762	0.681	ug/L	100
27) 1,2-Dichloroethane	5.18	62	3069	0.353	ug/L #	75
29) 1,1,1-Trichloroethane	4.66	97	4476	0.332	ug/L	96
30) Cyclohexane	4.72	56	3530	0.343	ug/L	93
31) Carbon tetrachloride	4.88	117	4255	0.351	ug/L	90
33) Benzene	5.15	78	9627	0.350	ug/L	100
34) Trichloroethene	5.96	95	2828	0.356	ug/L #	76
35) Methylcyclohexane	6.17	83	4001	0.333	ug/L	94
37) 1,2-Dichloropropane	6.23	63	2200	0.345	ug/L #	82
38) Bromodichloromethane	6.56	83	3166	0.338	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	3239	0.327	ug/L	93
40) 4-Methyl-2-pentanone	7.28	43	10896	3.143	ug/L #	85
42) Toluene	7.43	91	10615	0.353	ug/L	93
44) trans-1,3-Dichloropropene	7.69	75	2603	0.325	ug/L	86
45) 1,1,2-Trichloroethane	7.89	97	1616	0.340	ug/L	87
47) Tetrachloroethene	8.02	164	2582	0.358	ug/L	97
48) 2-Hexanone	8.19	43	8354	3.465	ug/L #	96
49) Dibromochloromethane	8.29	129	2031	0.330	ug/L	83
50) 1,2-Dibromoethane	8.40	107	1407	0.309	ug/L #	97
51) Chlorobenzene	8.93	112	7175	0.352	ug/L	96
52) Ethylbenzene	9.05	91	11009	0.317	ug/L	97
53) m,p-xylene	9.18	106	4343	0.326	ug/L	94
54) o-xylene	9.59	106	4292	0.337	ug/L	96
55) Styrene	9.61	104	6486	0.300	ug/L	92
56) Isopropylbenzene	9.97	105	10875	0.308	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	1968	0.375	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	1410	0.356	ug/L	95
61) Bromoform	9.77	173	1075	0.339	ug/L #	89
62) 1,3-Dichlorobenzene	11.23	146	6221	0.378	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	6041	0.360	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	5369	0.361	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	306	0.383	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	5117	0.380	ug/L	93
68) 1,2,4-trichlorobenzene	13.31	180	3657	0.336	ug/L	96
69) Naphthalene	13.56	128	4565	0.312	ug/L #	87
70) 1,2,3-Trichlorobenzene	13.79	180	3476	0.359	ug/L	95

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

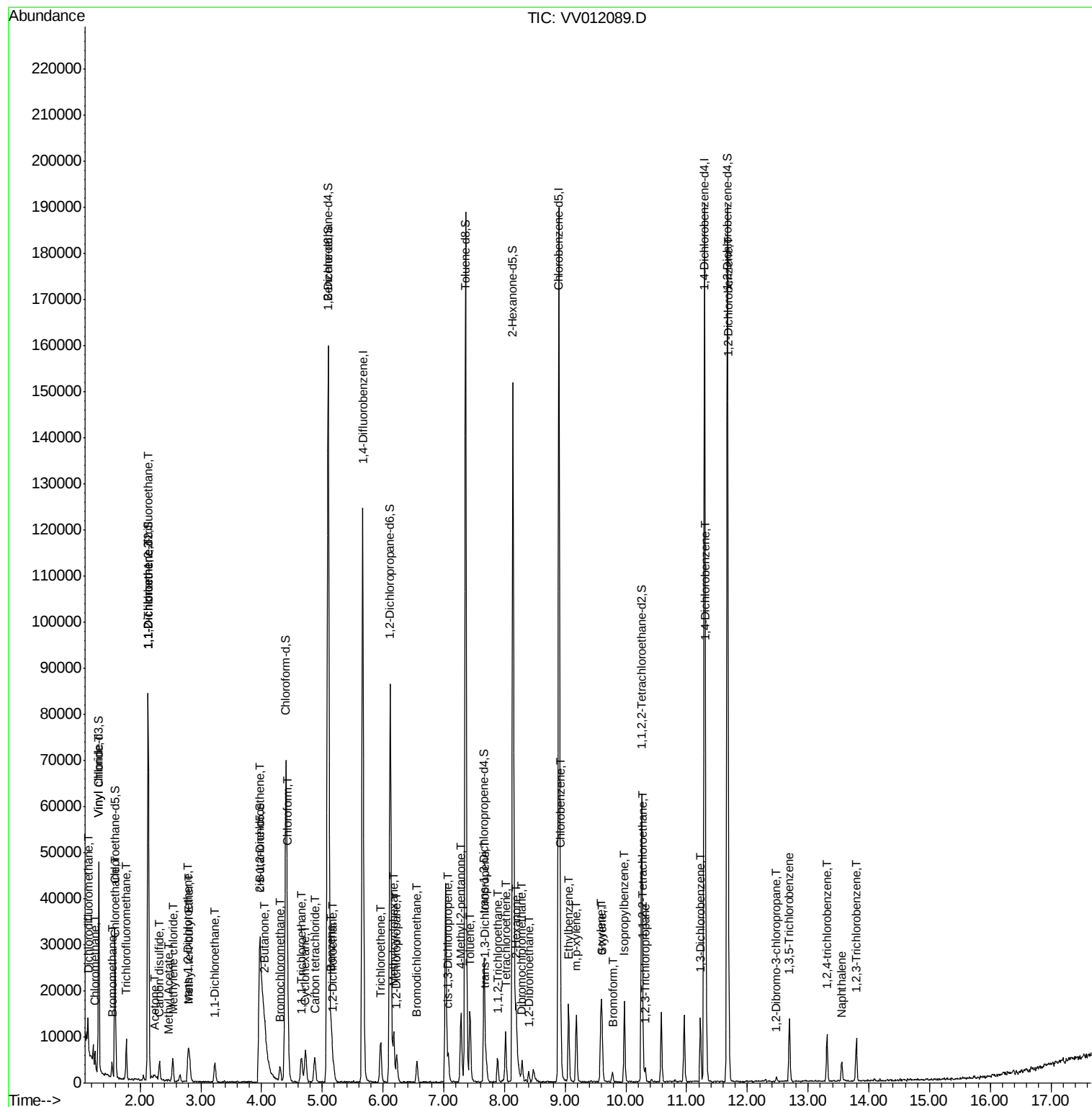
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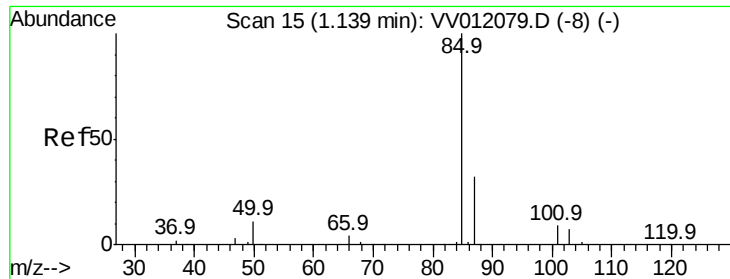
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#2

Dichlorodifluoromethane

Concen: 0.344 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 85 Resp: 3994

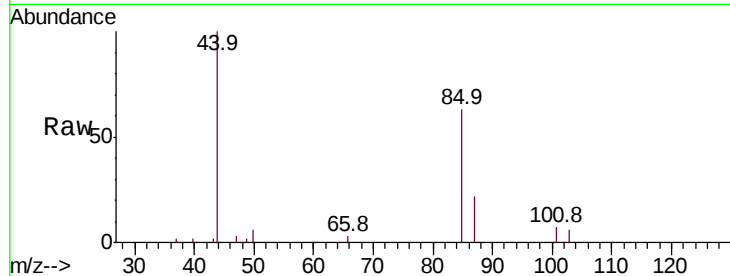
Ion Ratio Lower Upper

85 100

87 32.4 25.6 38.4

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Abundance Ion 85.00 (84.70 to 85.70): VV012079.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012079.D (-8) (-)

1.14

4000

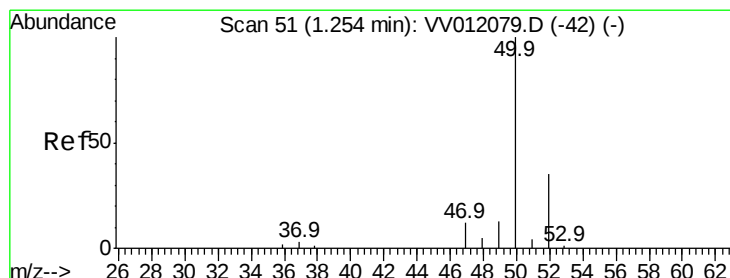
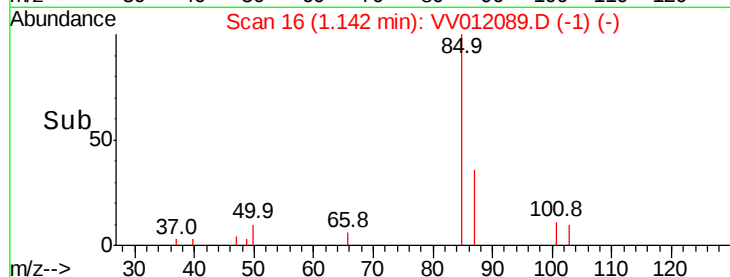
3000

2000

1000

0

Time-->



#3

Chloromethane

Concen: 0.356 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012089.D

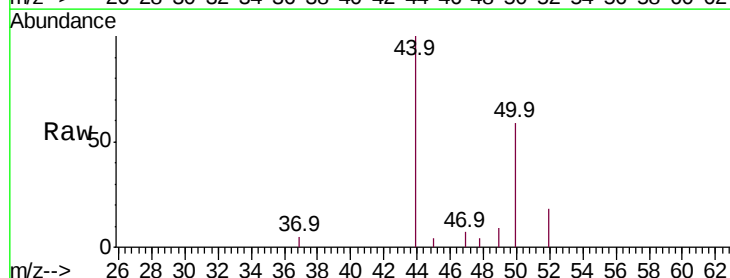
Acq: 30 Jul 2019 23:58

Tgt Ion: 50 Resp: 1975

Ion Ratio Lower Upper

50 100

52 30.5 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV012079.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV012079.D (-42) (-)

1.25

2000

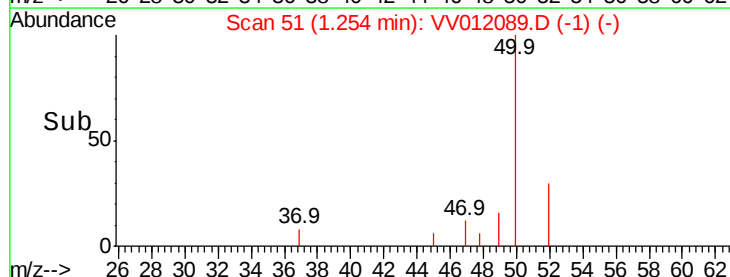
1500

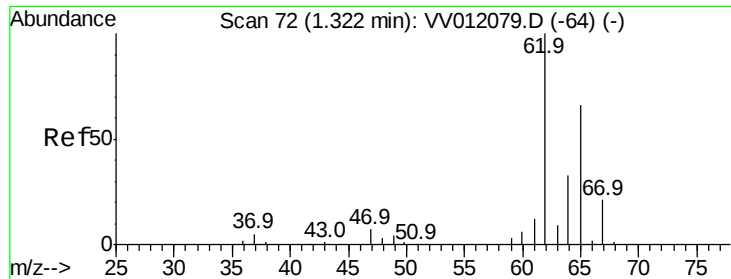
1000

500

0

Time-->





#5

Vinyl chloride

Concen: 0.368 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 62 Resp: 2226

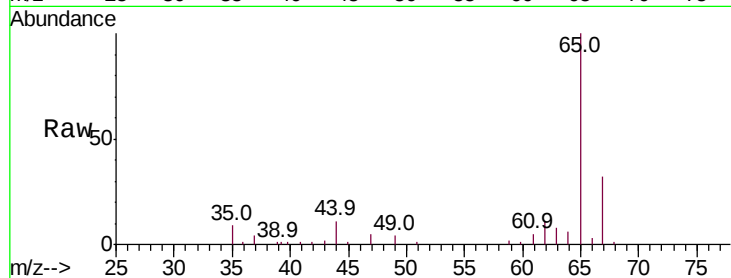
Ion Ratio Lower Upper

62 100

64 52.3 24.3 45.1#

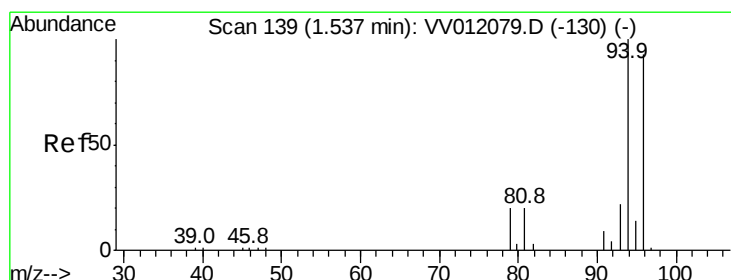
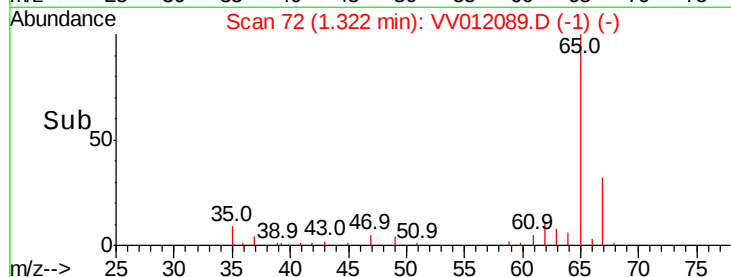
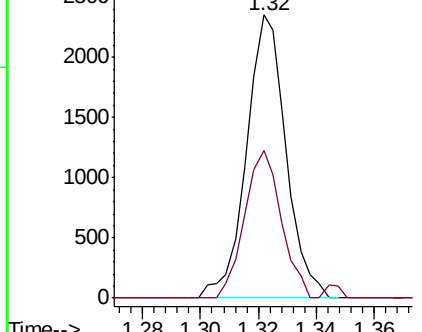
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Abundance Ion 62.00 (61.70 to 62.70): VV012079.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV012079.D (-64) (-)



#6

Bromomethane

Concen: 0.343 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012089.D

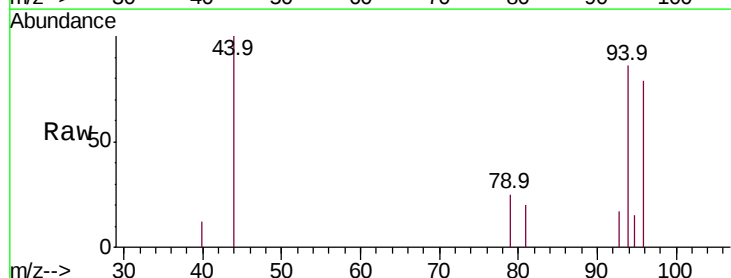
Acq: 30 Jul 2019 23:58

Tgt Ion: 94 Resp: 1288

Ion Ratio Lower Upper

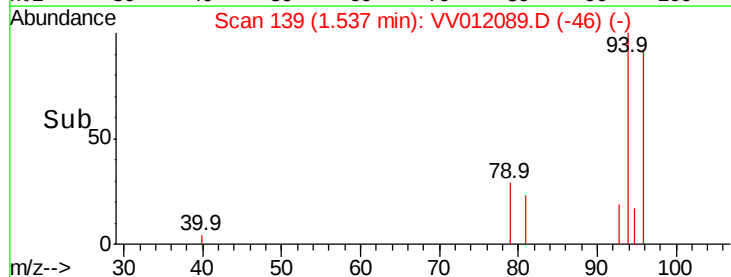
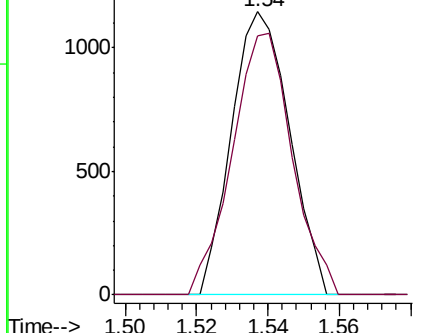
94 100

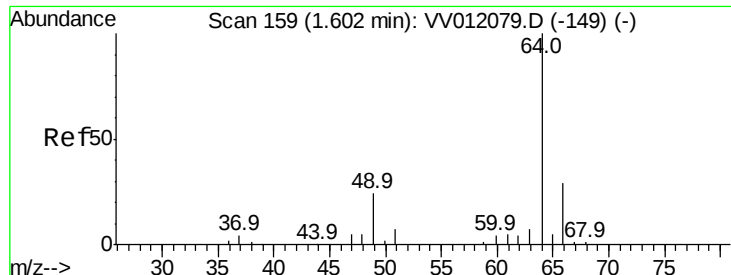
96 91.7 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV012079.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV012079.D (-130) (-)





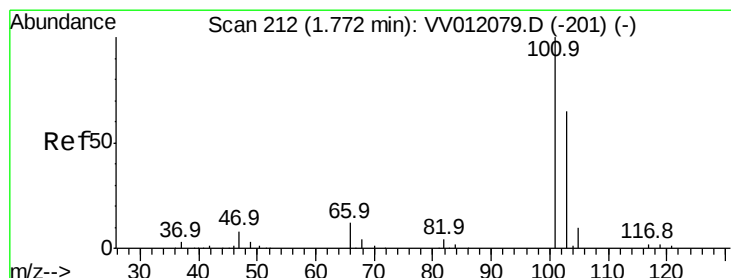
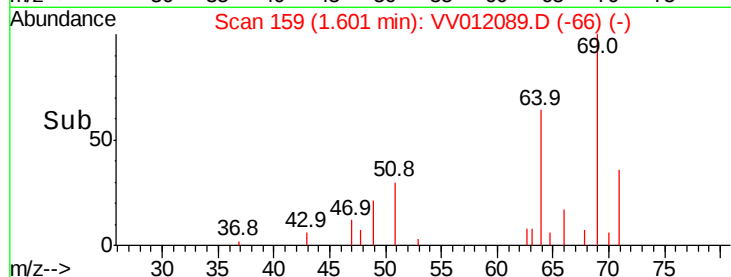
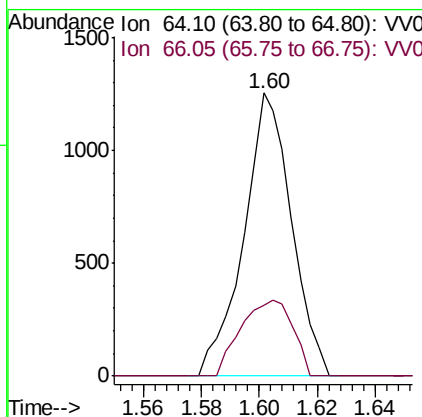
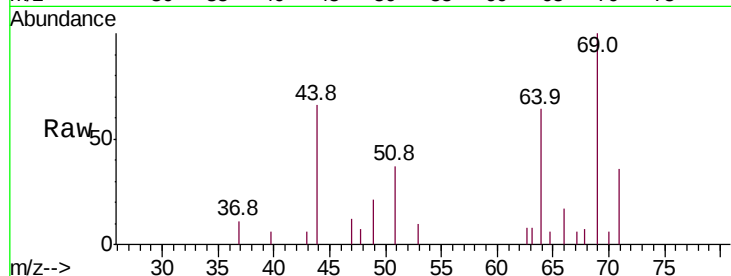
#8
Chloroethane
Concen: 0.425 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion: 64 Resp: 1433
Ion Ratio Lower Upper
64 100
66 25.0 23.1 42.9

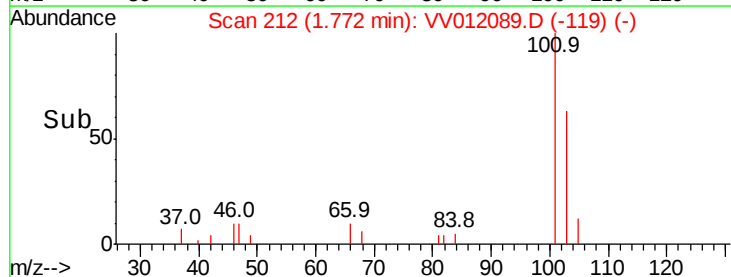
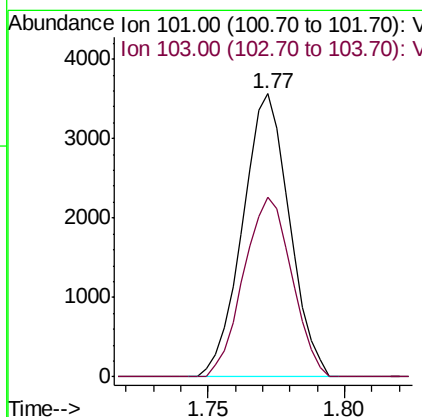
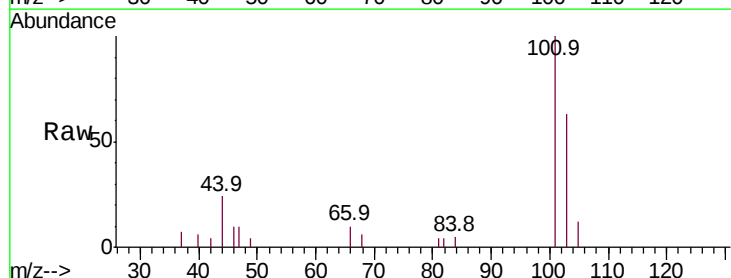
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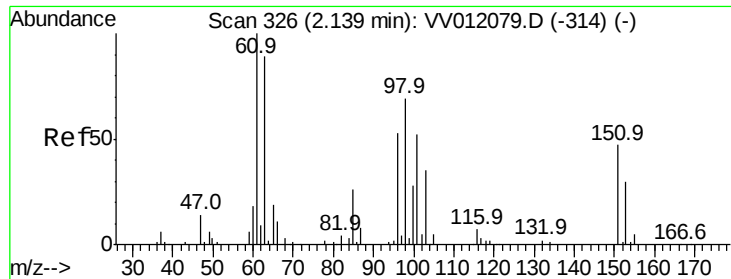
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#9
Trichlorofluoromethane
Concen: 0.361 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Tgt Ion: 101 Resp: 4244
Ion Ratio Lower Upper
101 100
103 65.2 51.3 76.9





#10

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

Concen: 0.430 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

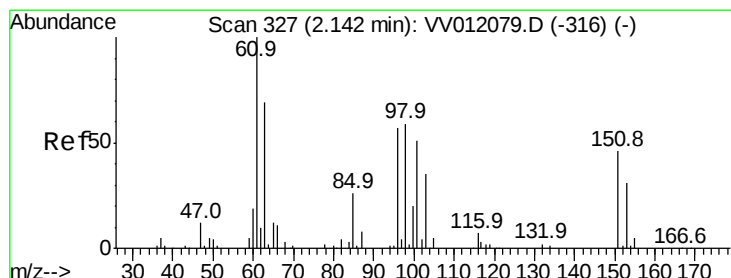
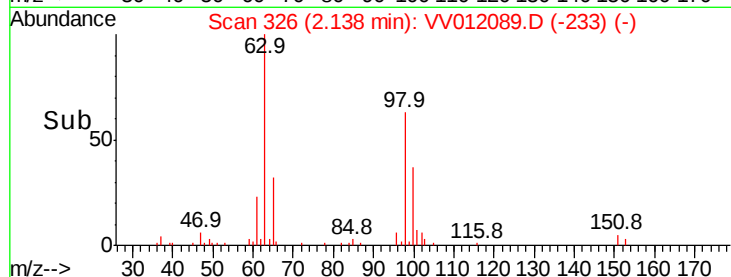
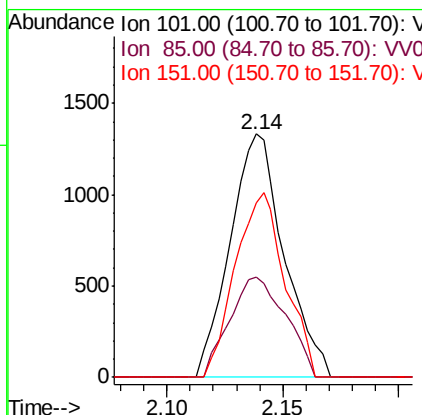
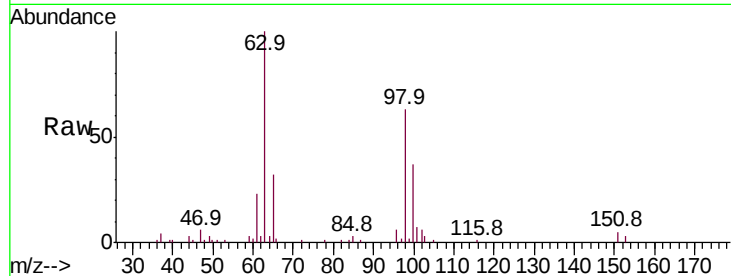
ClientSampleId :

MDL06

Tot Ion:	101	Resp:	2154
Ion Ratio	Lower	Upper	
101	100		
85	42.7	37.4	56.2
151	70.1	69.1	103.7

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#12

1,1-Dichloroethene

Concen: 0.397 ug/L

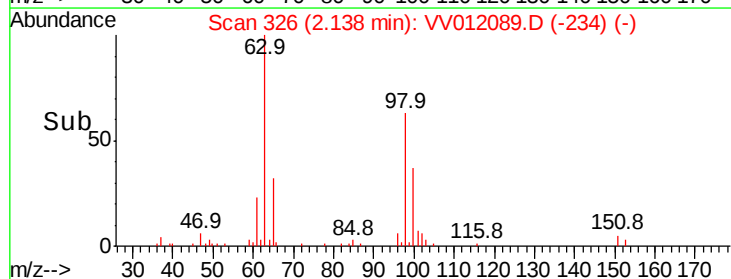
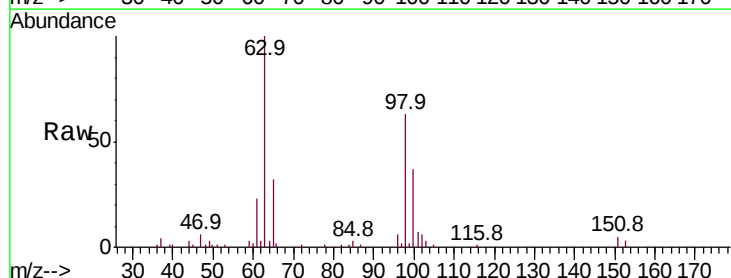
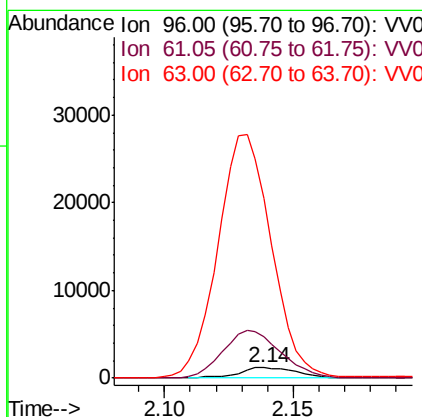
RT: 2.14 min Scan# 326

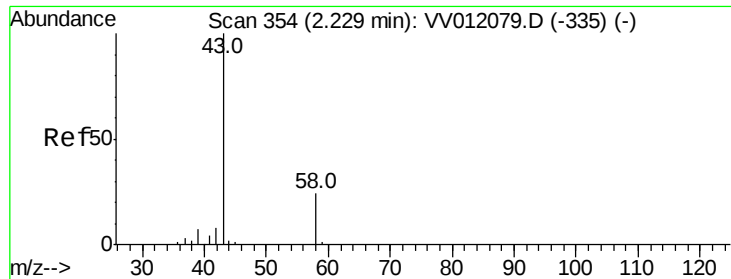
Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Tgt Ion:	96	Resp:	1825
Ion Ratio	Lower	Upper	
96	100		
61	387.9	126.9	235.7#
63	1687.9	87.6	162.8#





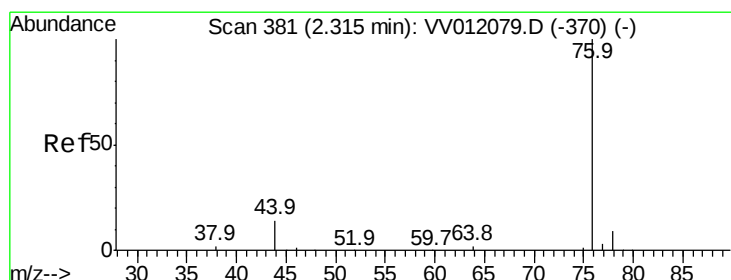
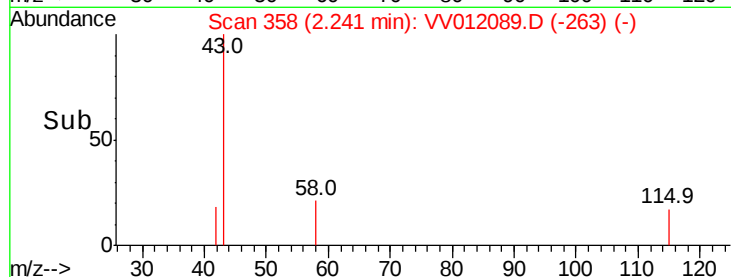
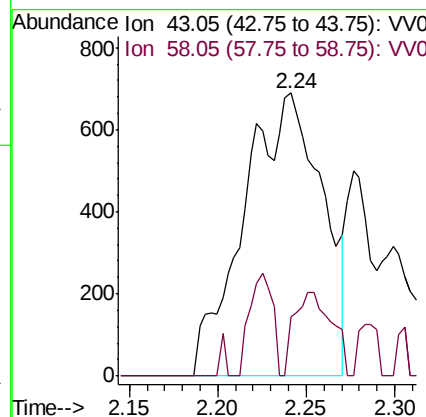
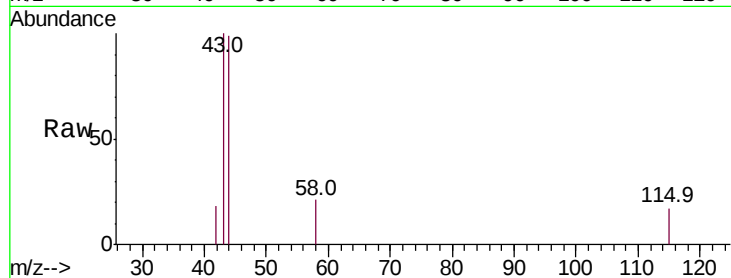
#13
Acetone
Concen: 3.059 ug/L m
RT: 2.24 min Scan# 358
Delta R.T. 0.01 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion: 43 Resp: 2123
Ion Ratio Lower Upper
43 100
58 14.1 0.0 51.0

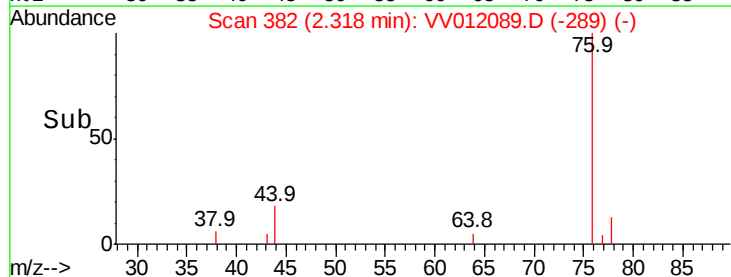
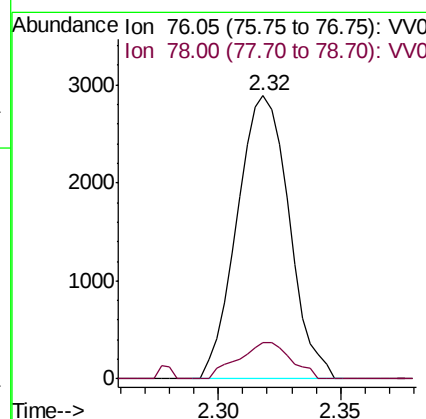
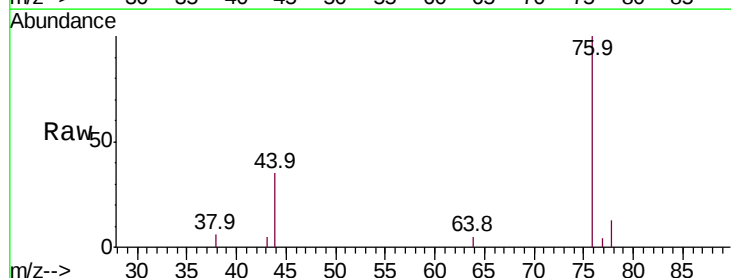
Manual Integrations
APPROVED

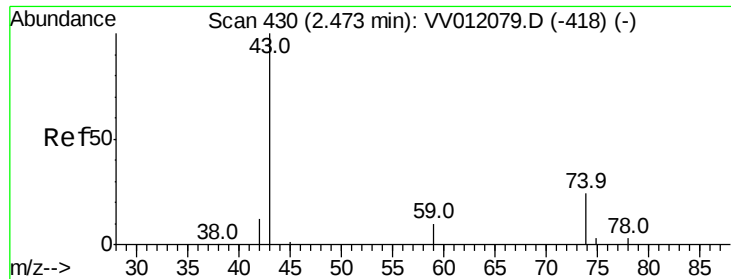
MMdadoda
8/1/2019 9:58:38 AM



#14
Carbon disulfide
Concen: 0.341 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Tgt Ion: 76 Resp: 4273
Ion Ratio Lower Upper
76 100
78 12.8 7.9 11.9#





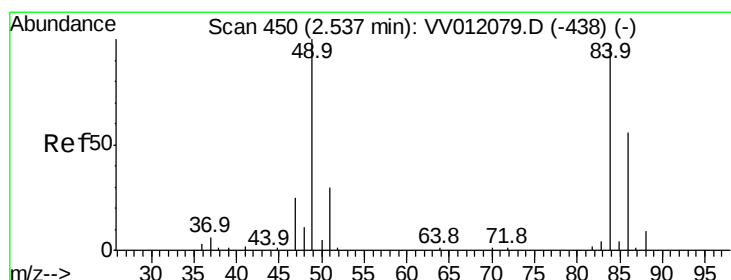
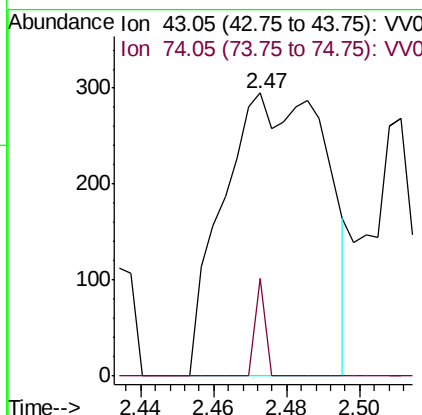
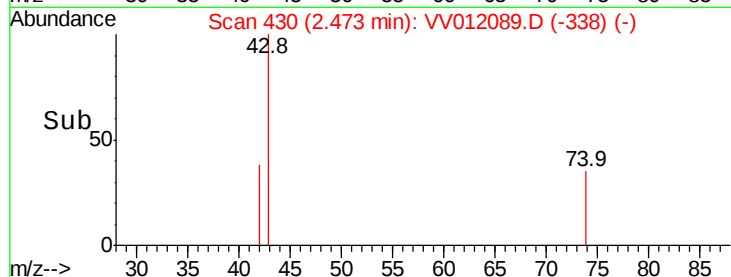
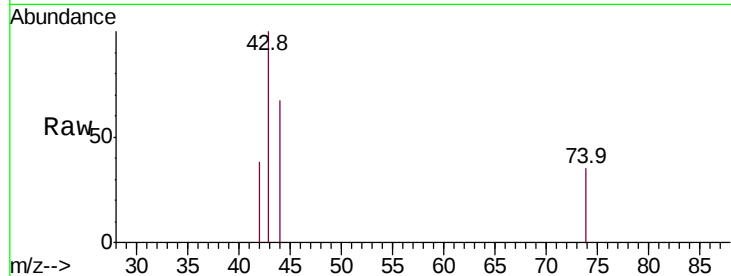
#15
Methyl Acetate
Concen: 0.367 ug/L m
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
74 3.5 23.4 35.0#

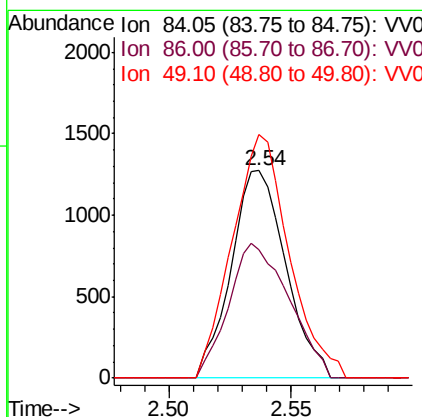
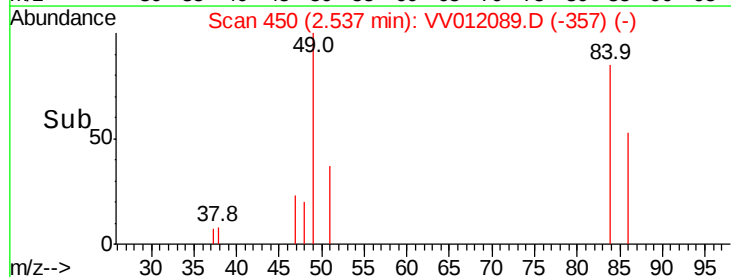
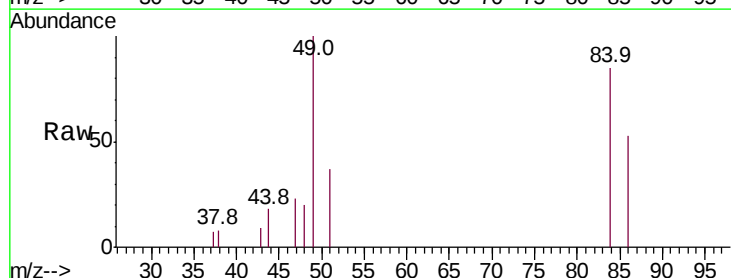
Manual Integrations
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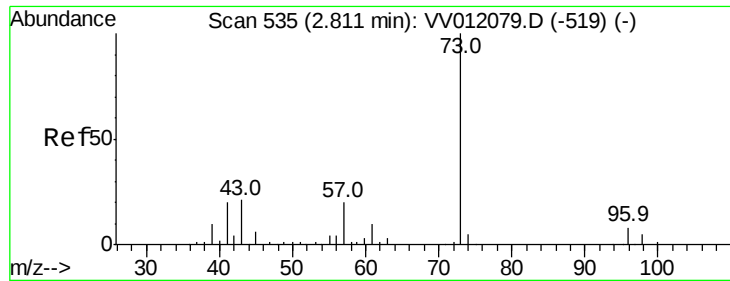
MMdadoda
8/1/2019 9:58:38 AM



#16
Methylene chloride
Concen: 0.414 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Tgt Ion: 84 Resp: 1977
Ion Ratio Lower Upper
84 100
86 62.0 45.0 83.6
49 117.3 74.4 138.2





#17

Methvl tert-butvl Ether

Concen: 0.340 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

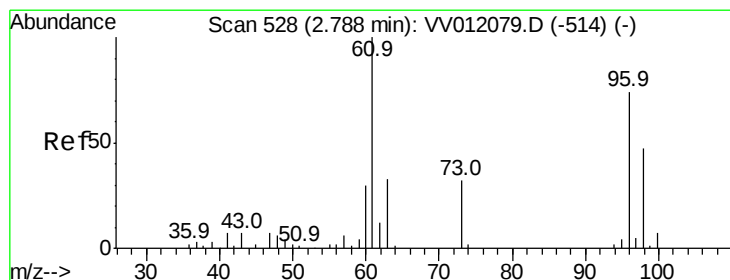
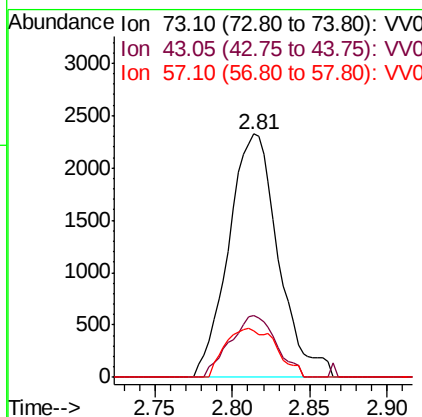
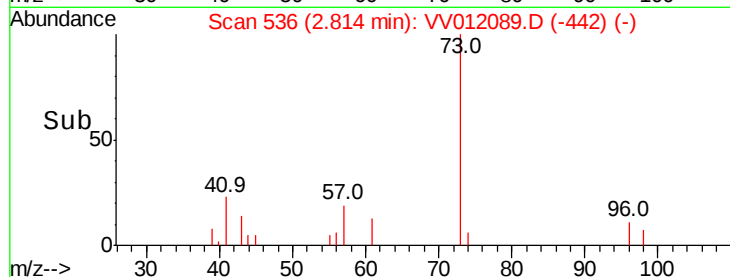
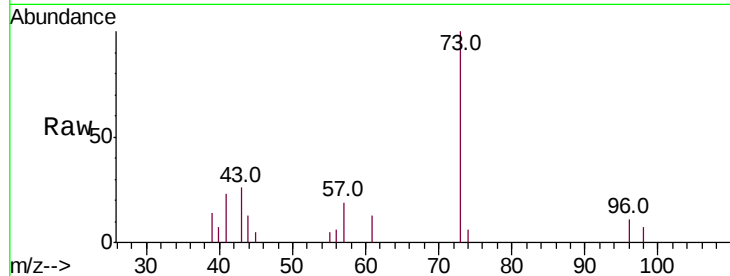
Instrument :
MSVOA_V

ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
73	100		
43	23.5	17.2	25.8
57	20.8	15.1	22.7

Manual Integrations
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#18

trans-1,2-Dichloroethene

Concen: 0.405 ug/L

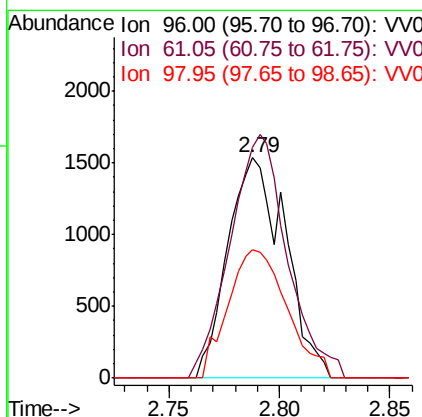
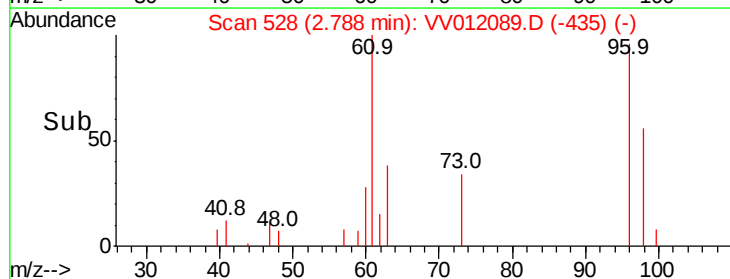
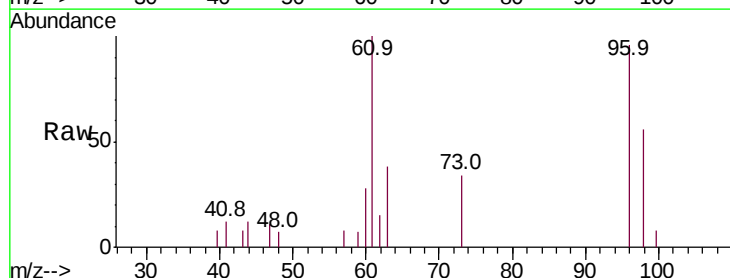
RT: 2.79 min Scan# 528

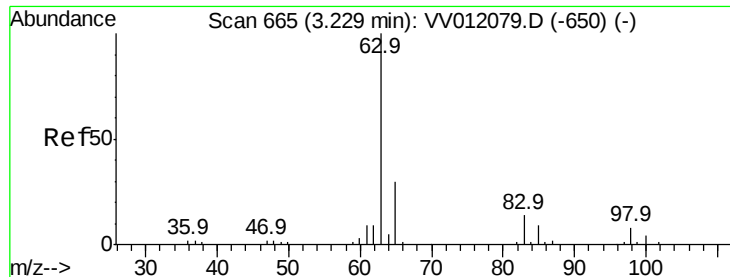
Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	104.7	99.0	184.0
98	58.2	47.9	88.9





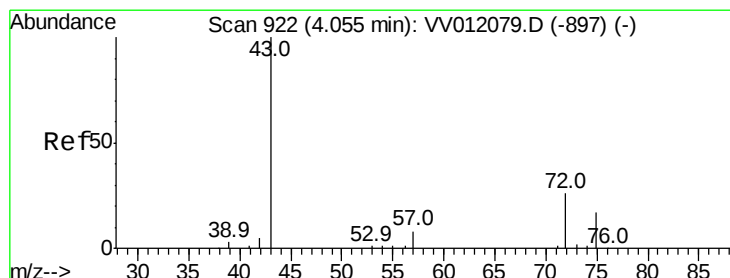
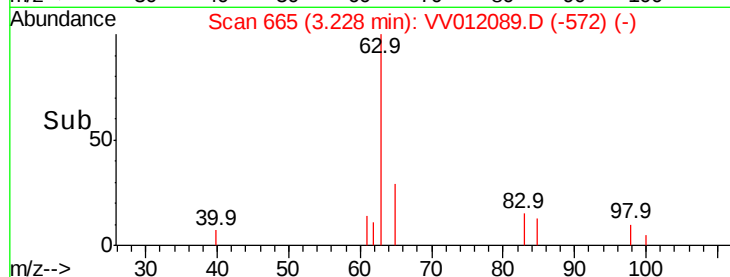
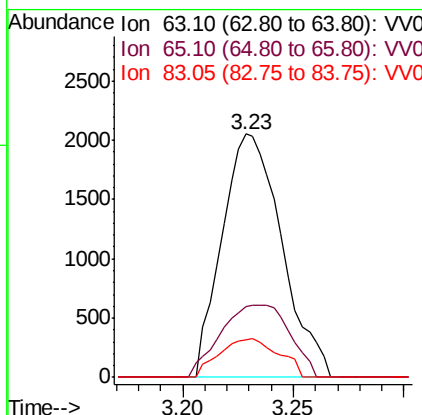
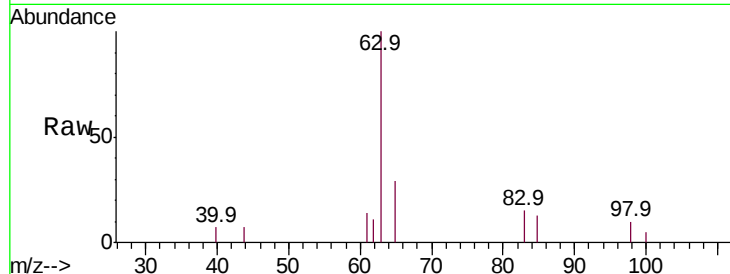
#19
 1,1-Dichloroethane
 Concen: 0.316 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.9	22.3	41.3
83	15.3	10.4	19.2

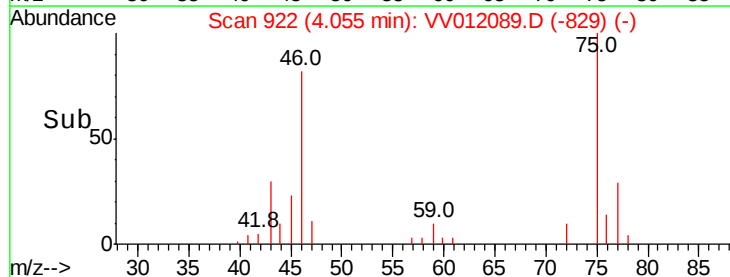
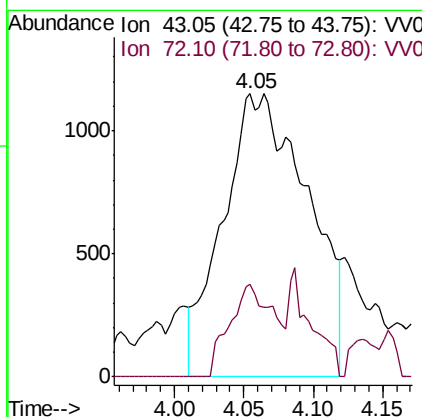
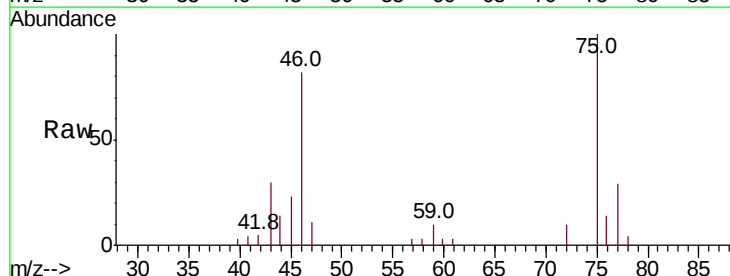
Manual Integrations
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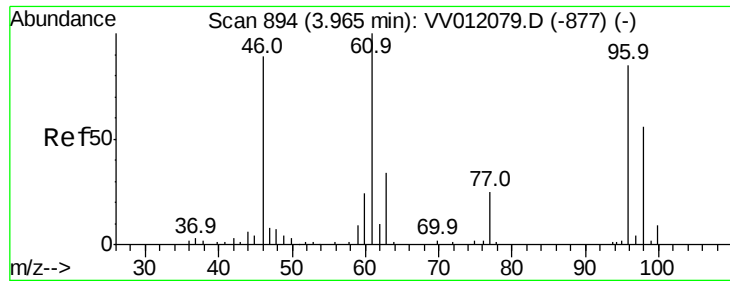
MMDadoda
 8/1/2019 9:58:38 AM



#21
 2-Butanone
 Concen: 3.577 ug/L m
 RT: 4.05 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
43	100		
72	2.4	14.0	42.0#





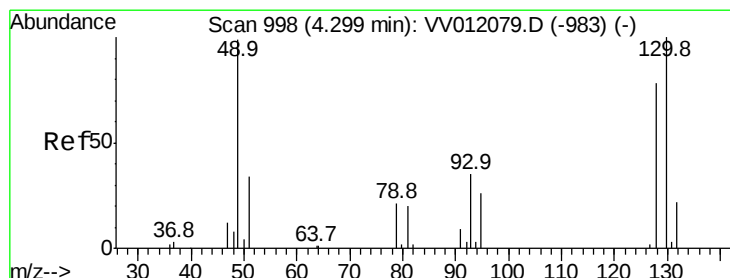
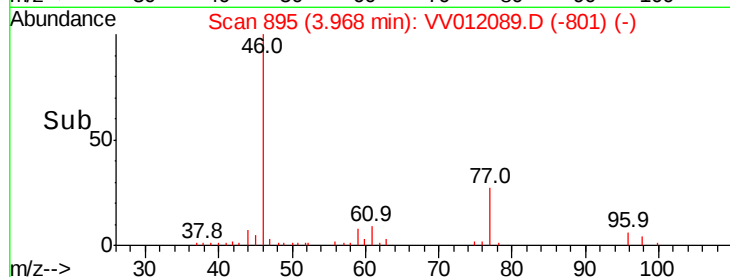
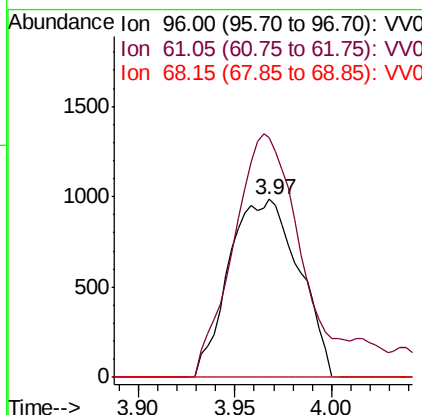
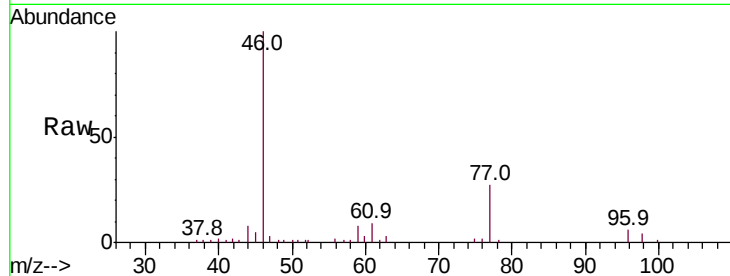
#22
 cis-1,2-Dichloroethene
 Concen: 0.338 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	81.5	151.5
68	0.0	0.0	0.0

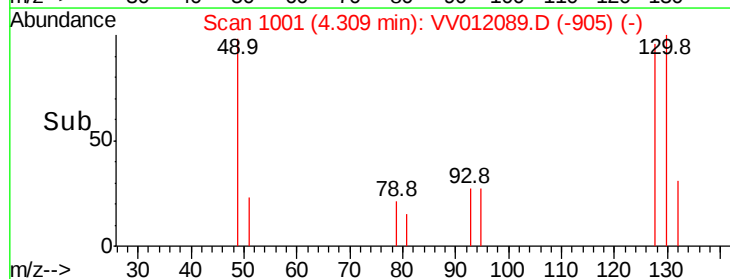
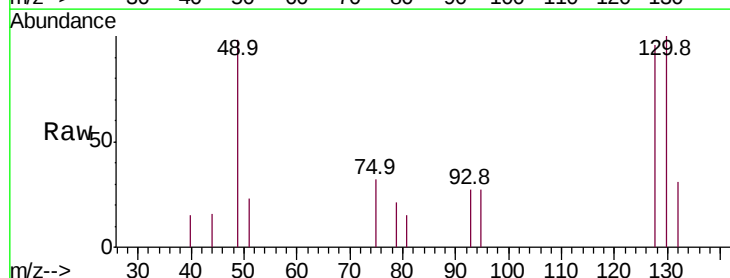
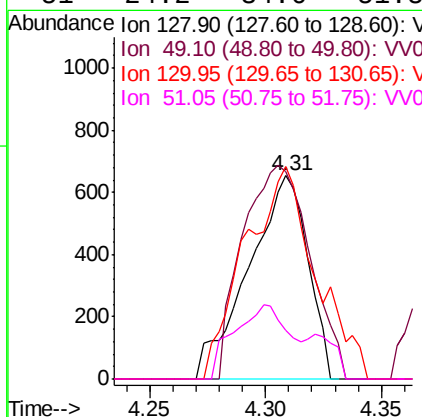
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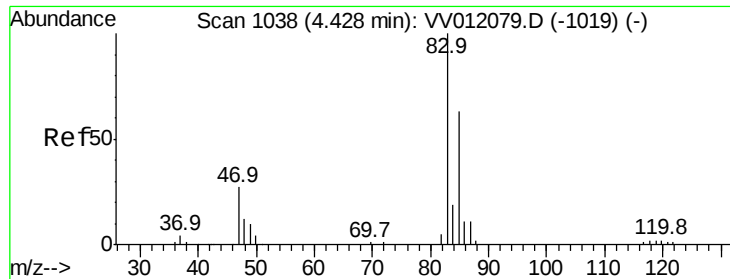
MMdadoda
 8/1/2019 9:58:38 AM



#23
 Bromochloromethane
 Concen: 0.351 ug/L
 RT: 4.31 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
128	100		
49	102.1	97.9	181.7
130	104.6	90.9	168.9
51	24.2	34.6	51.8#





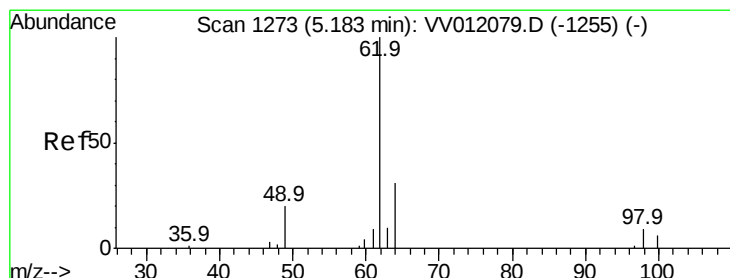
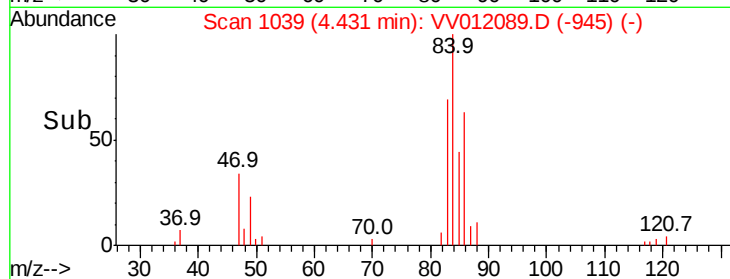
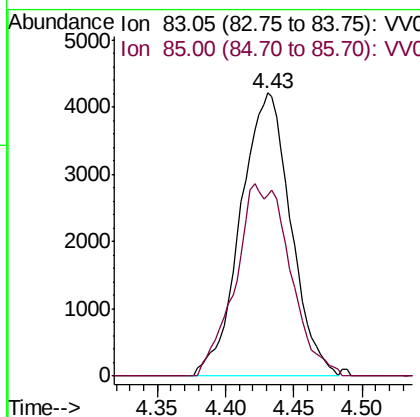
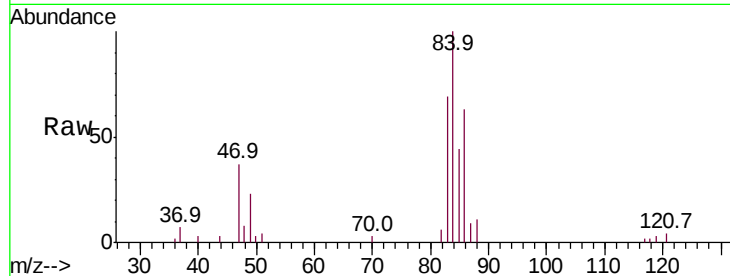
#25
Chloroform
Concen: 0.681 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion: 83 Resp: 10762
Ion Ratio Lower Upper
83 100
85 64.0 44.7 83.1

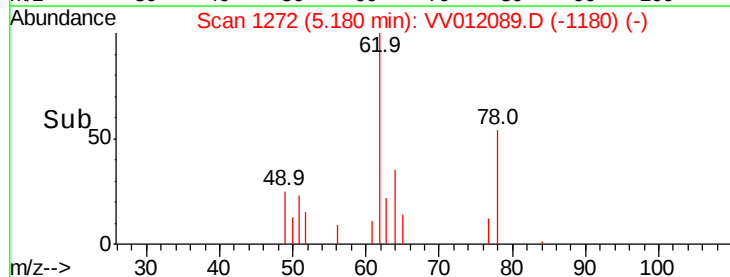
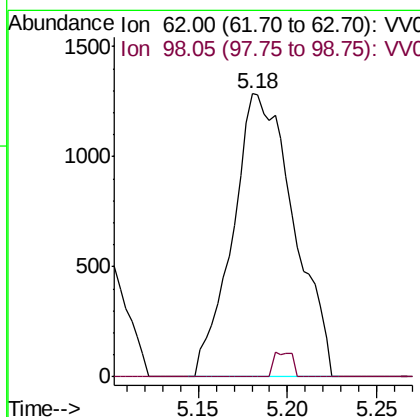
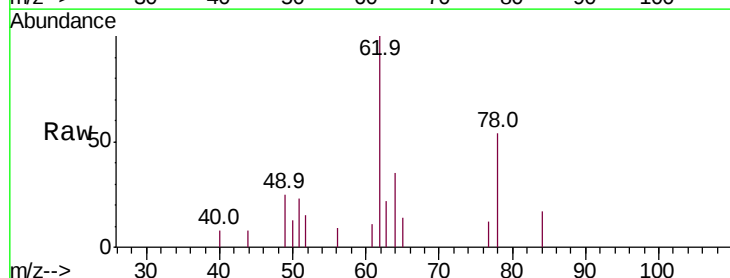
Manual Integrations
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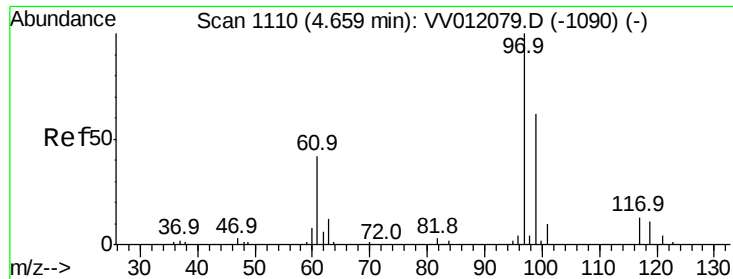
MMdadoda
8/1/2019 9:58:38 AM



#27
1,2-Dichloroethane
Concen: 0.353 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Tgt Ion: 62 Resp: 3069
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#





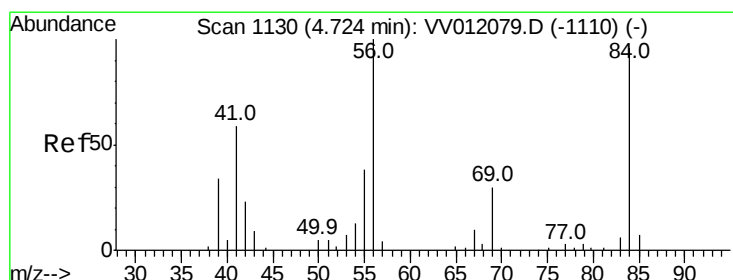
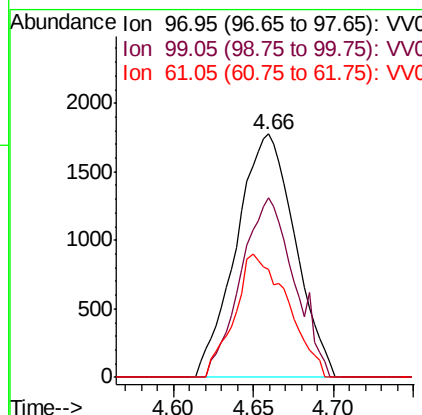
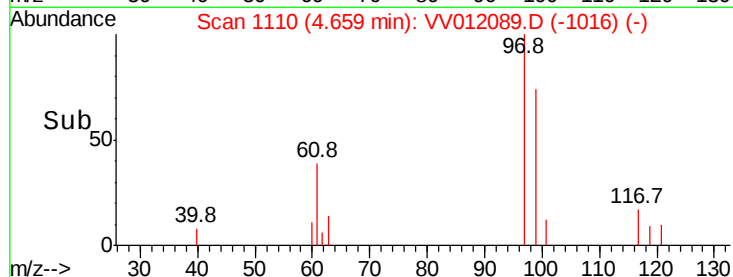
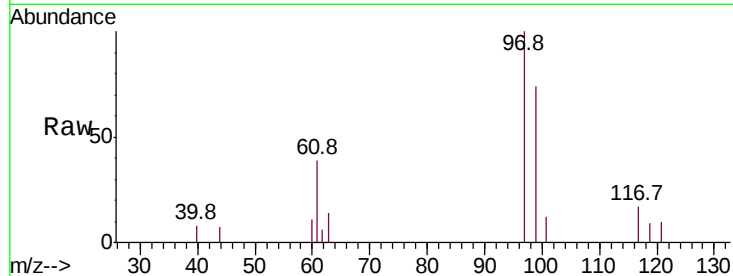
#29
1,1,1-Trichloroethane
Concen: 0.332 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion: 97 Resp: 4476
Ion Ratio Lower Upper
97 100
99 67.2 51.7 77.5
61 45.7 34.2 51.2

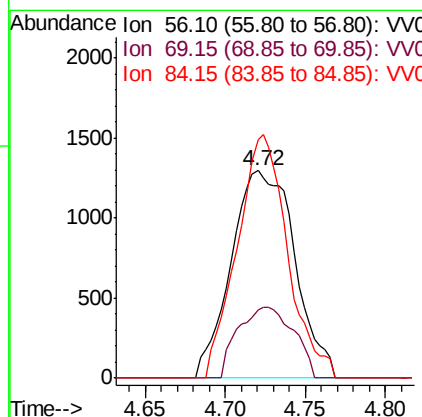
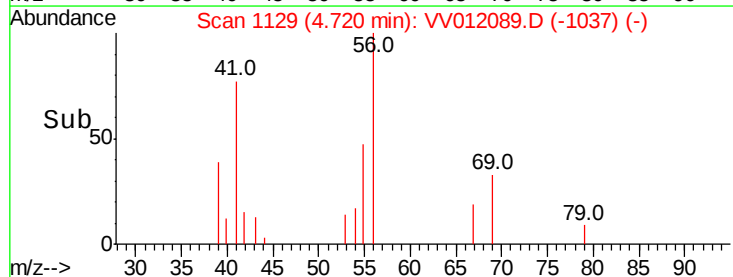
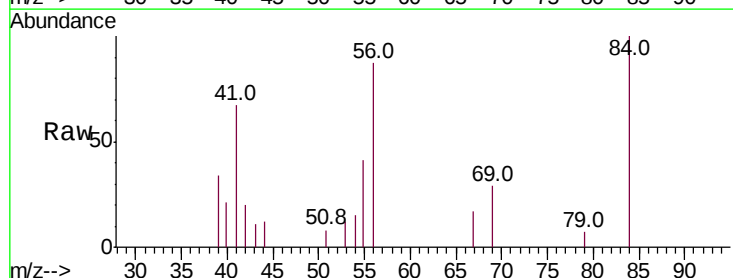
Manual Integrations
APPROVED

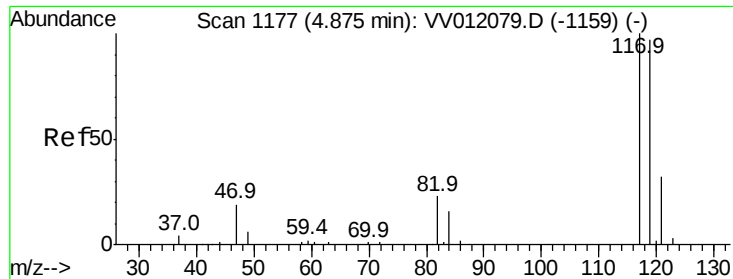
MMdadoda
8/1/2019 9:58:38 AM



#30
Cyclohexane
Concen: 0.343 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Tgt Ion: 56 Resp: 3530
Ion Ratio Lower Upper
56 100
69 29.8 26.0 39.0
84 92.6 79.9 119.9





#31

Carbon tetrachloride

Concen: 0.351 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion:117 Resp: 4255

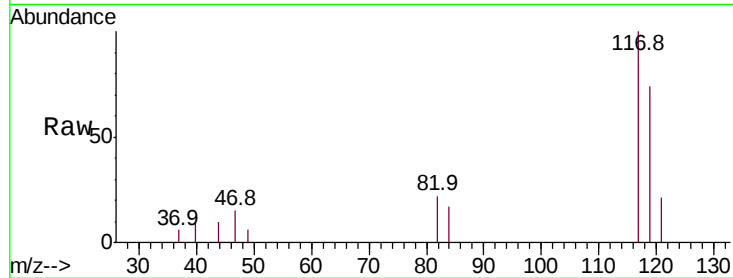
Ion Ratio Lower Upper

117 100

119 87.3 77.7 116.5

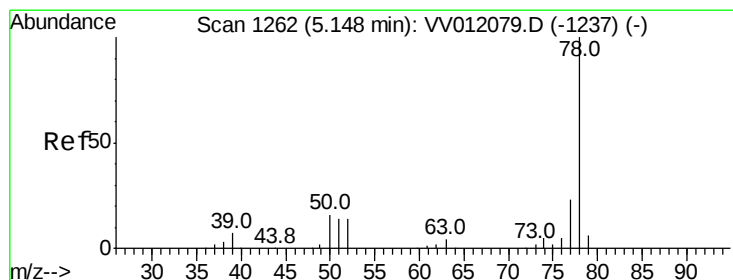
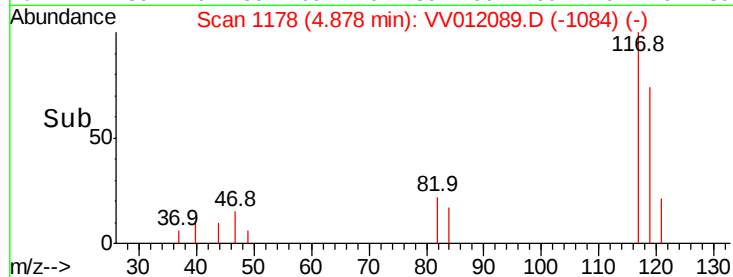
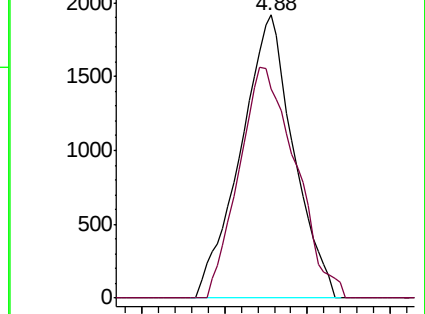
Manual Integrations
APPROVED

MMdadoda
8/1/2019 9:58:38 AM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.350 ug/L

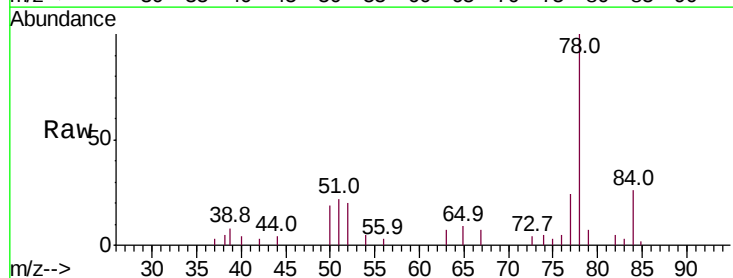
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

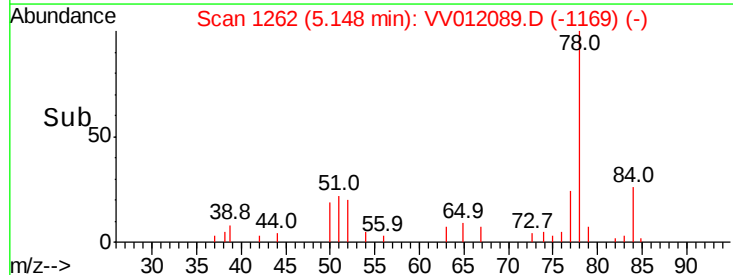
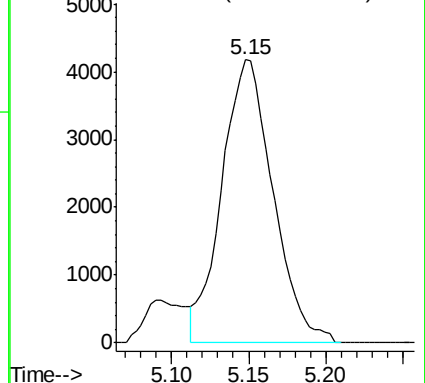
Lab File: VV012089.D

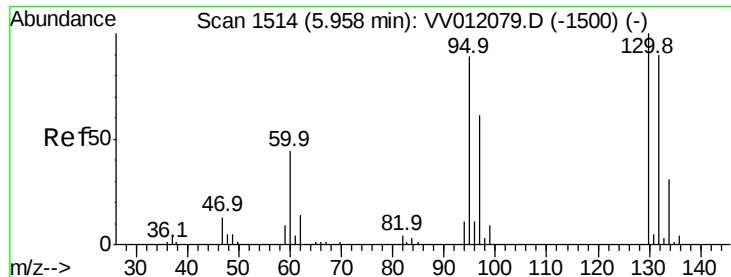
Acq: 30 Jul 2019 23:58

Tgt Ion: 78 Resp: 9627



Abundance Ion 78.10 (77.80 to 78.80): VV0





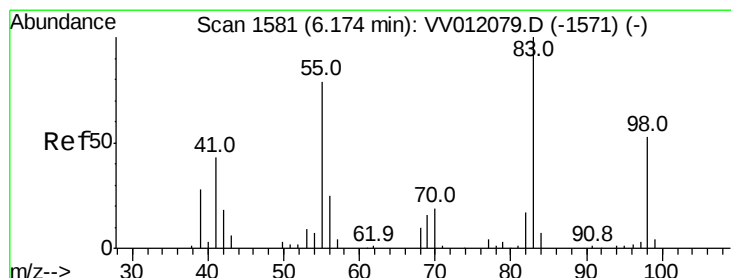
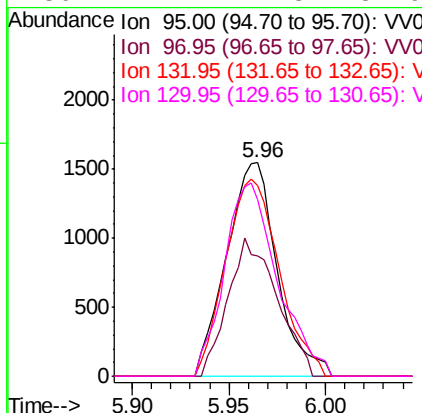
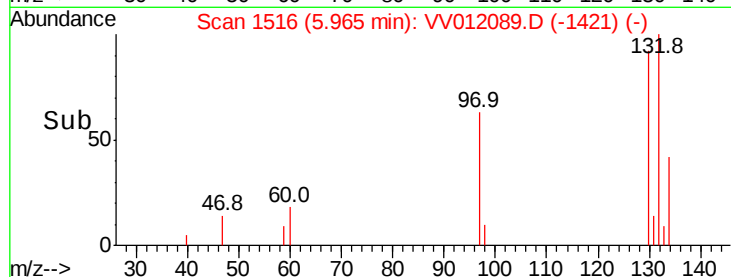
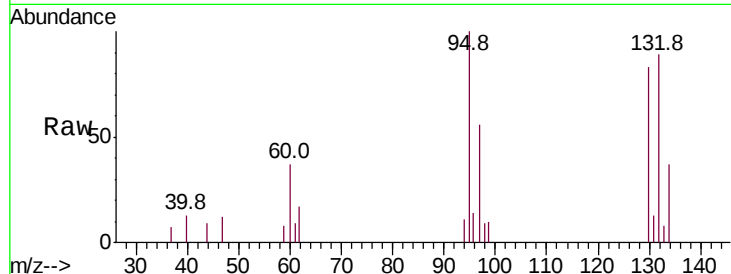
#34
 Trichloroethene
 Concen: 0.356 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.01 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion: 95 Resp: 2828
 Ion Ratio Lower Upper
 95 100
 97 49.5 45.4 84.2
 132 78.6 67.0 124.4
 130 72.7 74.3 137.9#

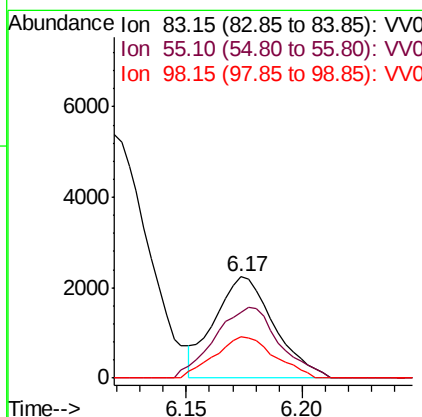
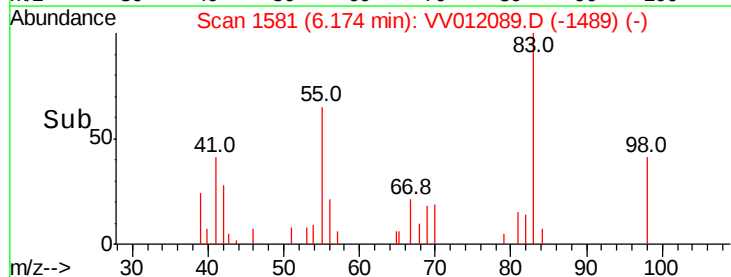
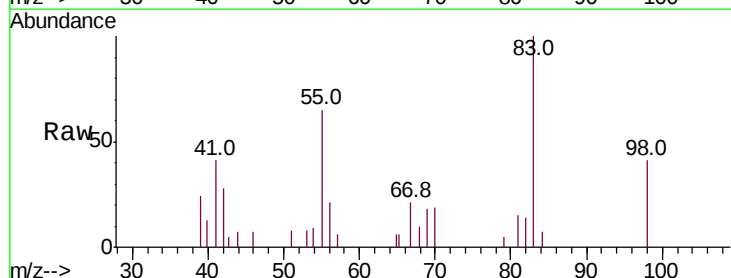
Manual Integrations
 APPROVED

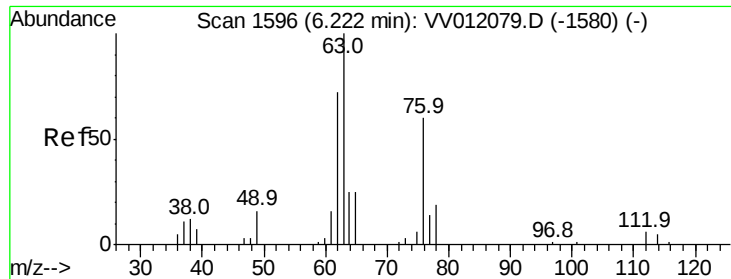
MMdadoda
 8/1/2019 9:58:38 AM



#35
 Methylcyclohexane
 Concen: 0.333 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Tgt Ion: 83 Resp: 4001
 Ion Ratio Lower Upper
 83 100
 55 75.3 59.9 89.9
 98 40.9 40.8 61.2





#37

1,2-Dichloropropane

Concen: 0.345 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :
MSVOA_V

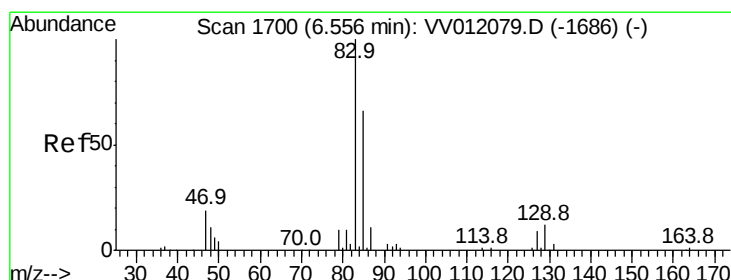
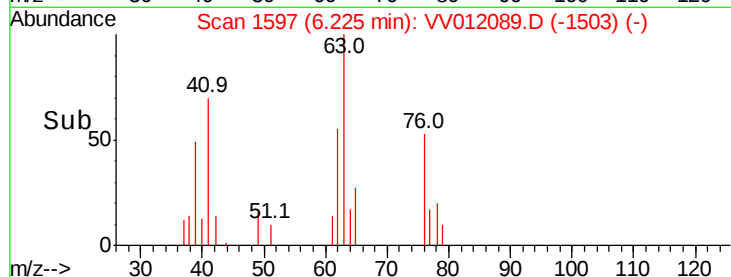
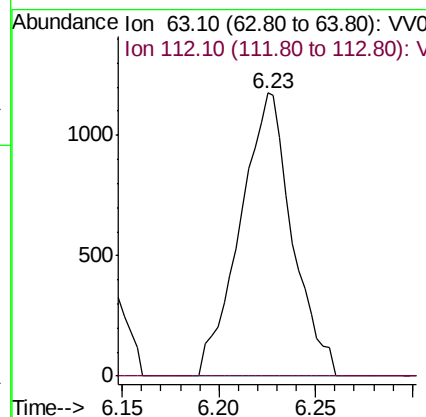
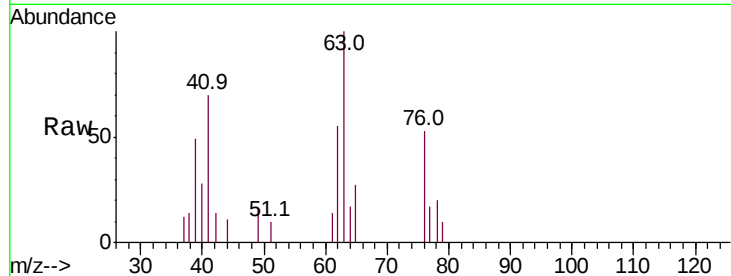
ClientSampled :
MDL06

Tot Ion: 63 Resp: 2200

Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.7	7.1#

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MMdadoda
8/1/2019 9:58:38 AM



#38

Bromodichloromethane

Concen: 0.338 ug/L

RT: 6.56 min Scan# 1701

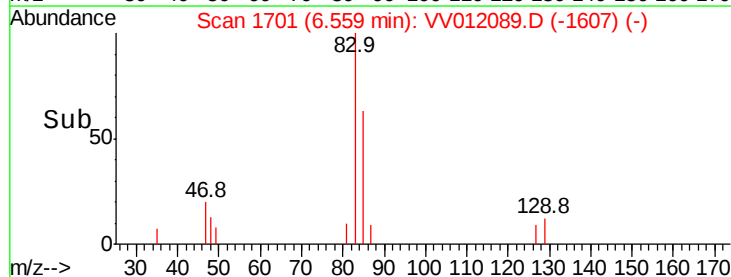
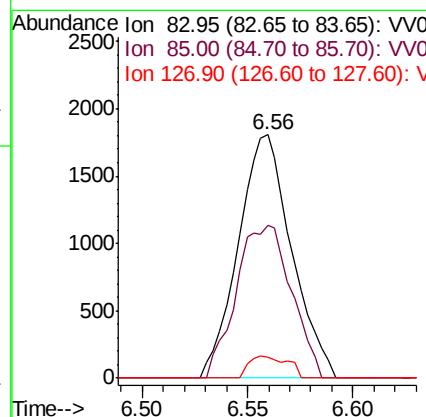
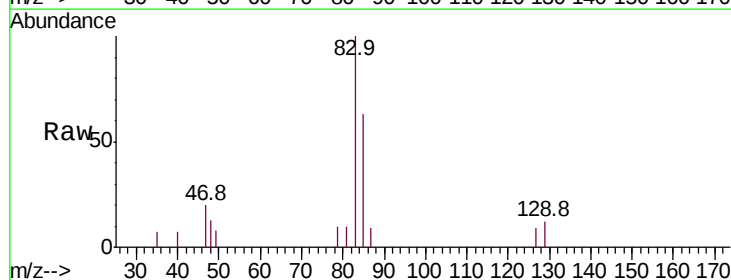
Delta R.T. 0.00 min

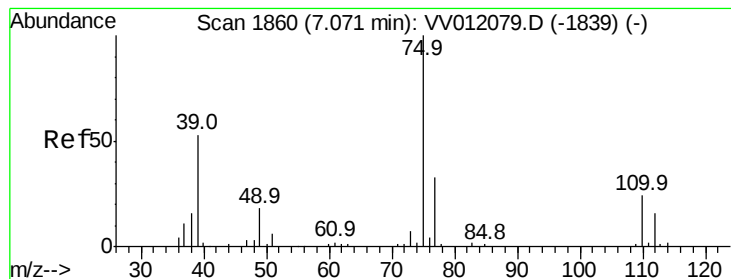
Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Tgt Ion: 83 Resp: 3166

Ion	Ratio	Lower	Upper
83	100		
85	63.0	46.2	85.8
127	8.8	7.2	10.8





#39

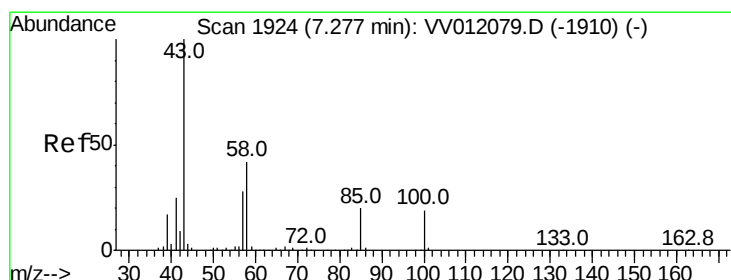
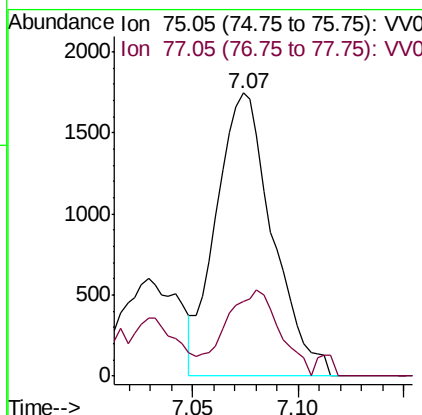
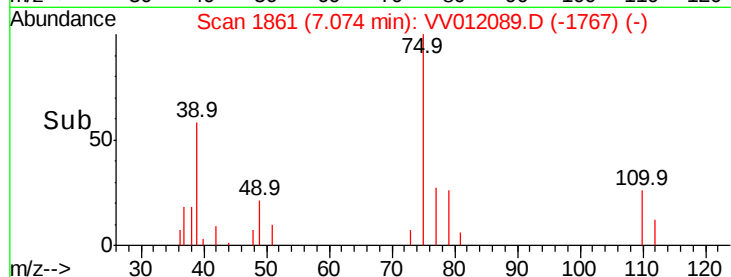
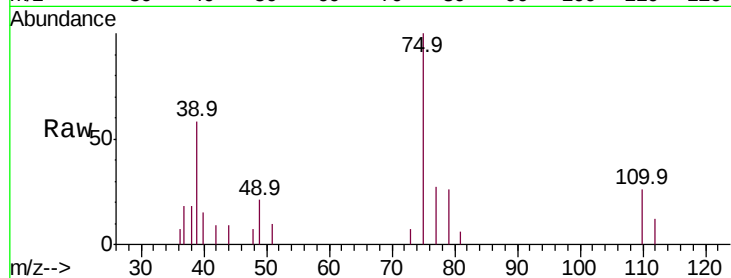
cis-1,3-Dichloropropene
Concen: 0.327 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion: 75 Resp: 3239
Ion Ratio Lower Upper
75 100
77 26.5 21.3 39.5

Manual Integrations
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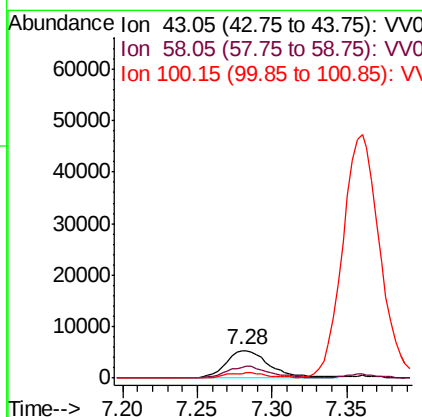
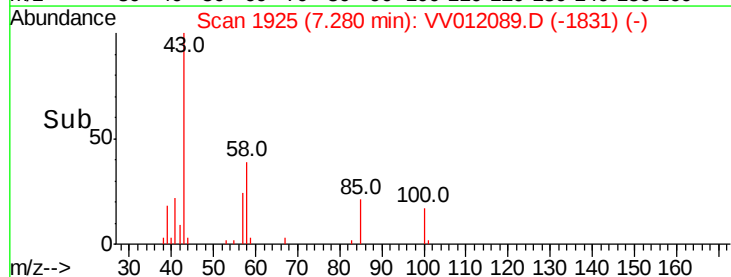
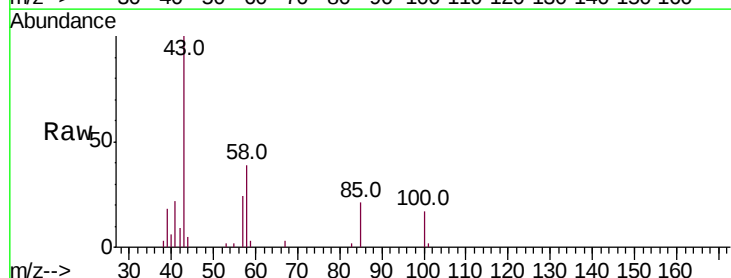
MMdadoda
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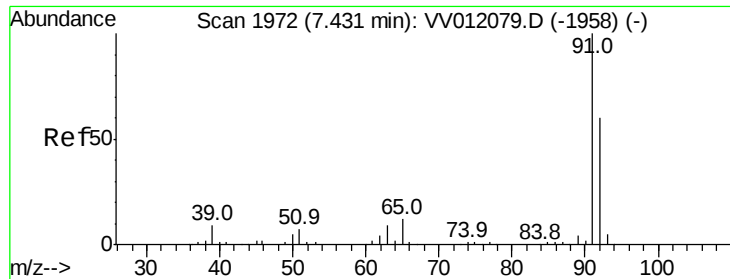


#40

4-Methyl-2-pentanone
Concen: 3.143 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Tgt Ion: 43 Resp: 10896
Ion Ratio Lower Upper
43 100
58 40.9 31.8 47.6
100 0.0 15.0 22.4#





#42

Toluene

Concen: 0.353 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 10615

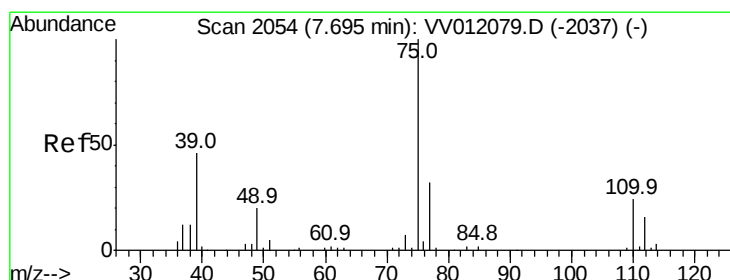
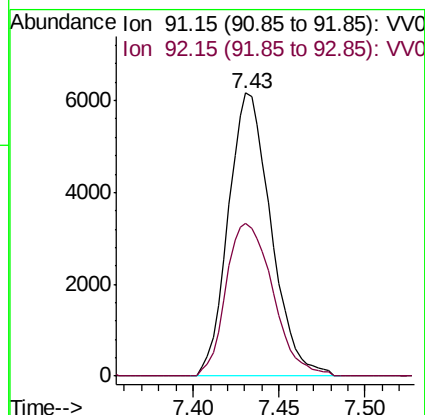
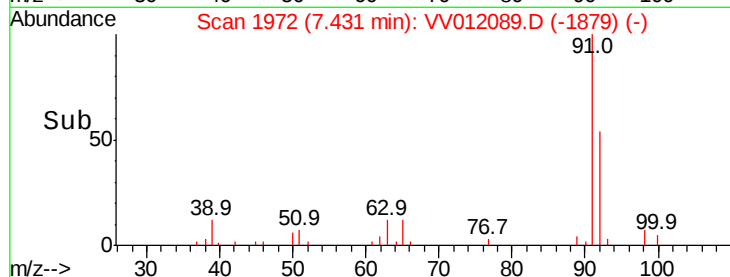
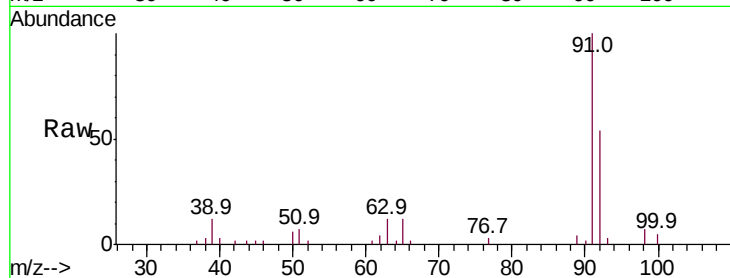
Ion Ratio Lower Upper

91 100

92 54.0 41.6 77.2

Manual Integrations
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MMDadoda
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#44

trans-1,3-Dichloropropene

Concen: 0.325 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012089.D

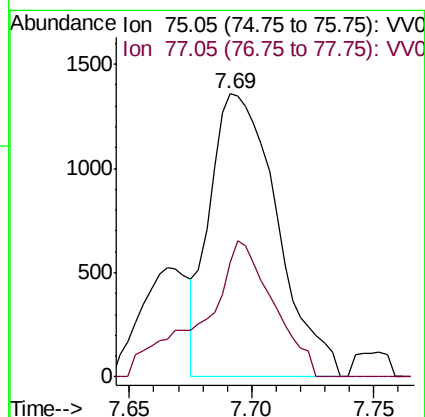
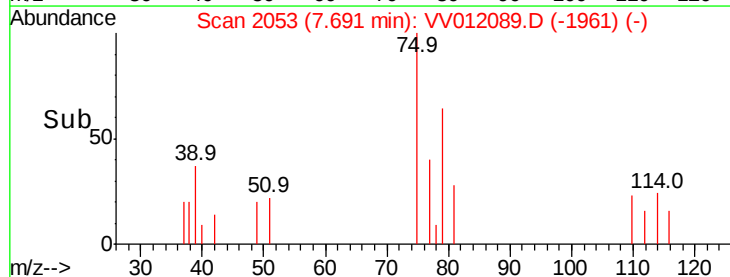
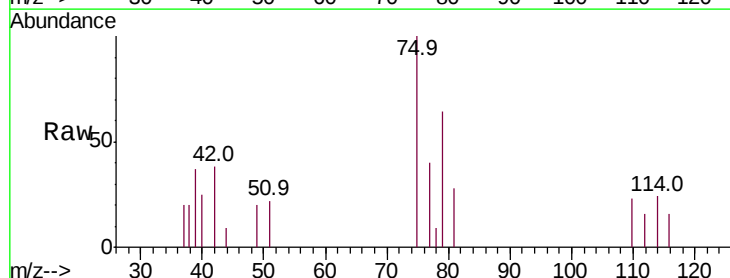
Acq: 30 Jul 2019 23:58

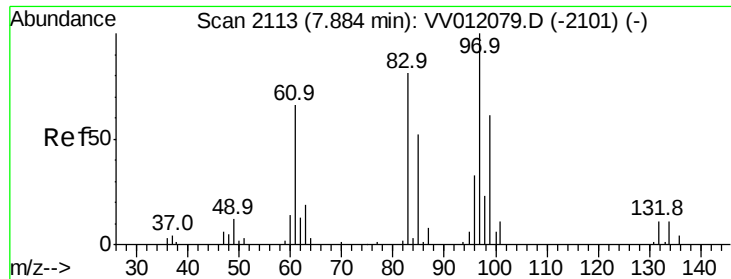
Tgt Ion: 75 Resp: 2603

Ion Ratio Lower Upper

75 100

77 40.4 22.8 42.4





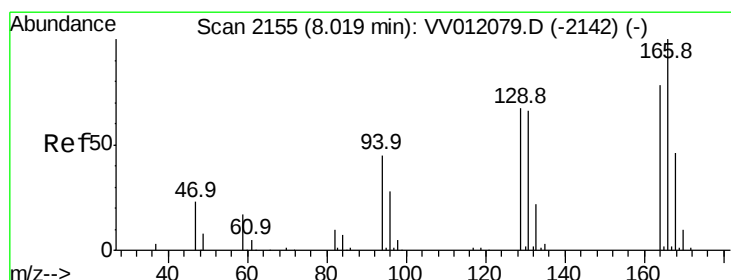
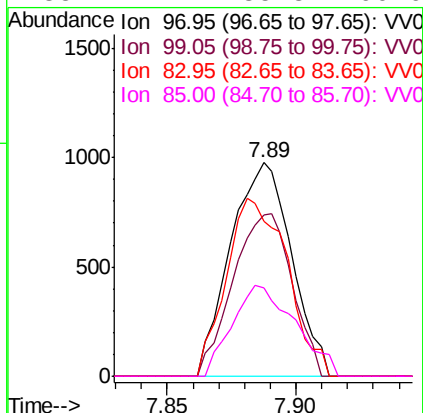
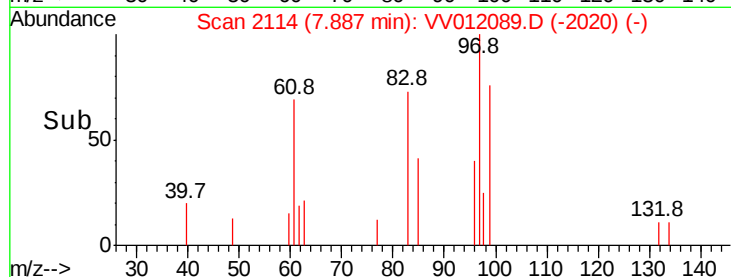
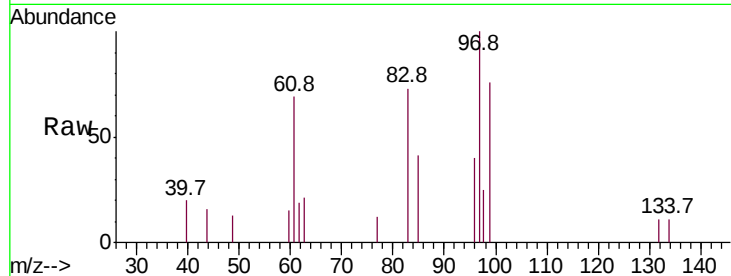
#45
 1,1,2-Trichloroethane
 Concen: 0.340 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
97	100		
99	75.5	43.3	80.3
83	72.8	56.6	105.0
85	41.2	35.8	66.6

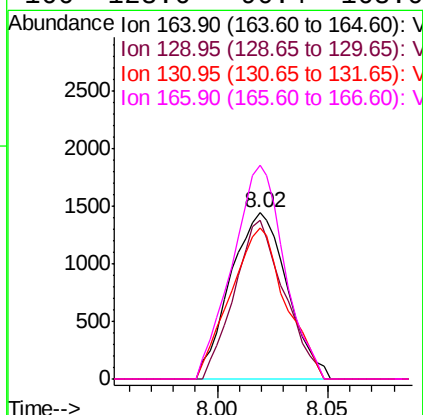
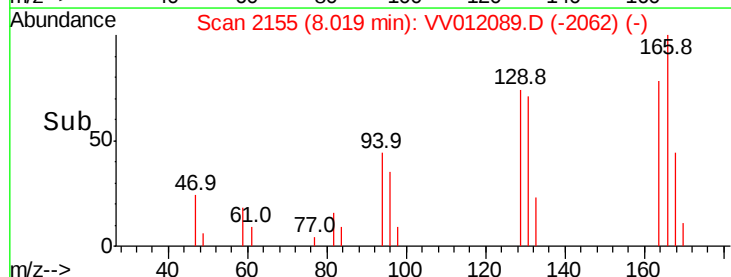
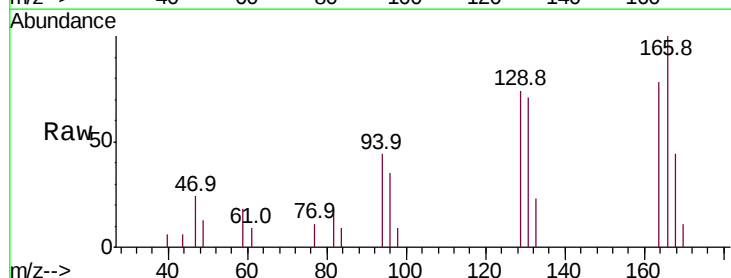
Manual Integrations
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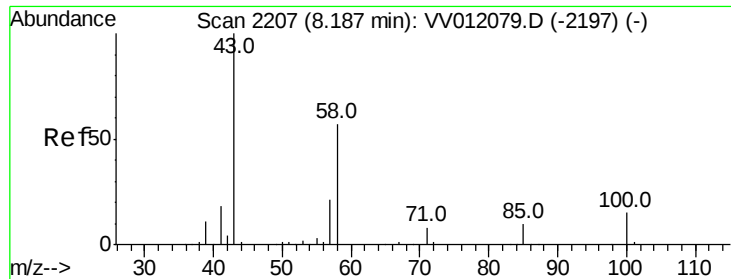
MMdadoda
 8/1/2019 9:58:38 AM



#47
 Tetrachloroethene
 Concen: 0.358 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
164	100		
129	95.5	62.5	116.1
131	90.9	60.9	113.1
166	128.6	90.4	168.0





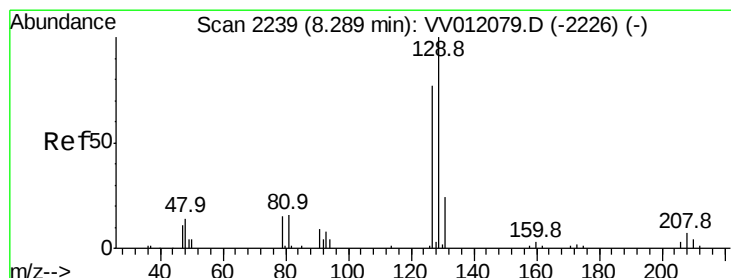
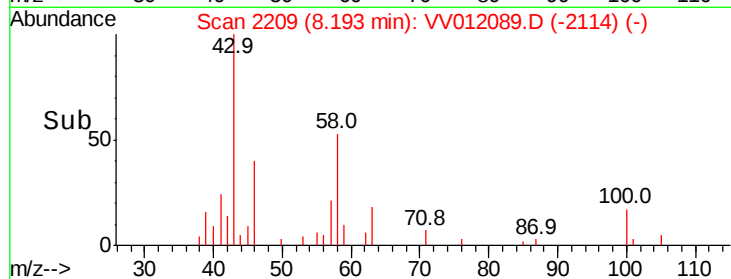
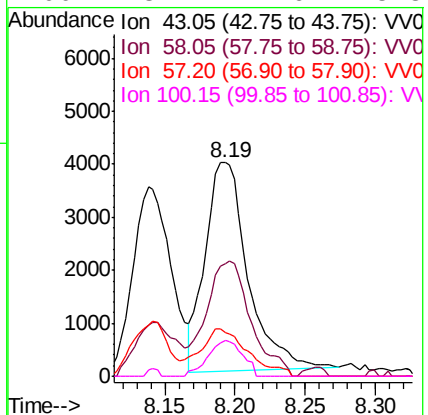
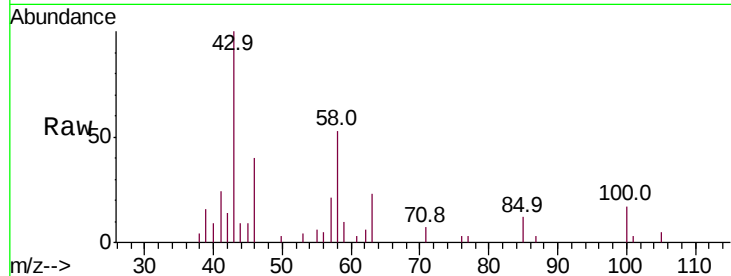
#48
2-Hexanone
Concen: 3.465 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.9	45.7	68.5
57	25.5	17.0	25.4
100	13.7	12.6	18.8

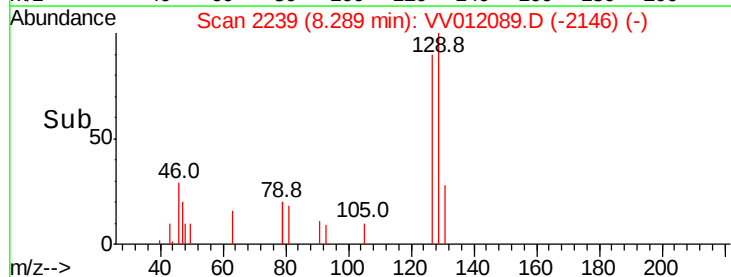
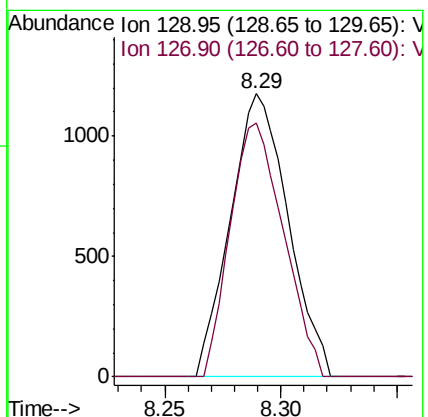
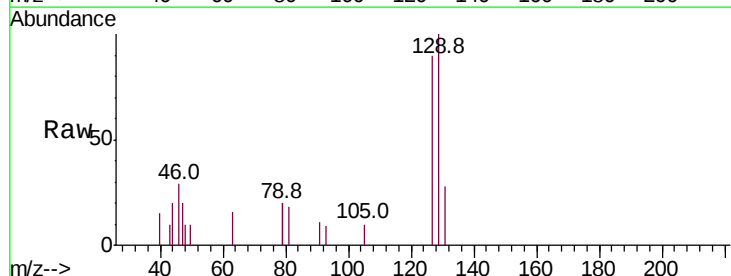
Manual Integrations
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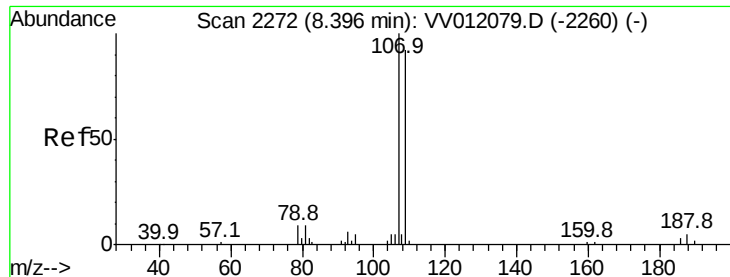
MMDadoda
8/1/2019 9:58:38 AM



#49
Dibromochloromethane
Concen: 0.330 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	89.6	52.8	98.2





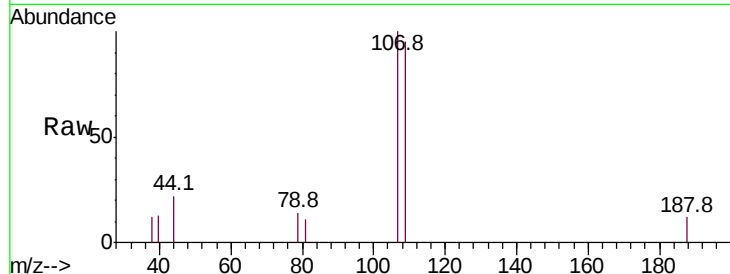
#50
1,2-Dibromoethane
Concen: 0.309 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	64.7	120.1
188	11.7	3.4	5.0#

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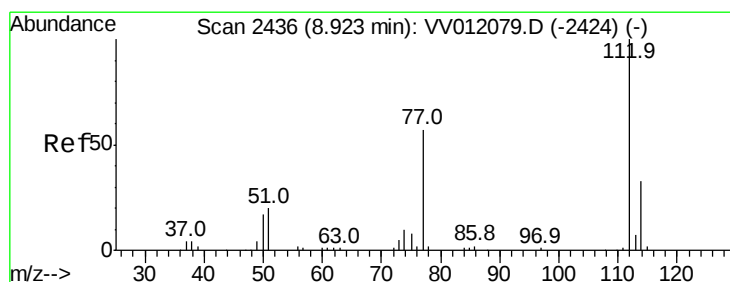
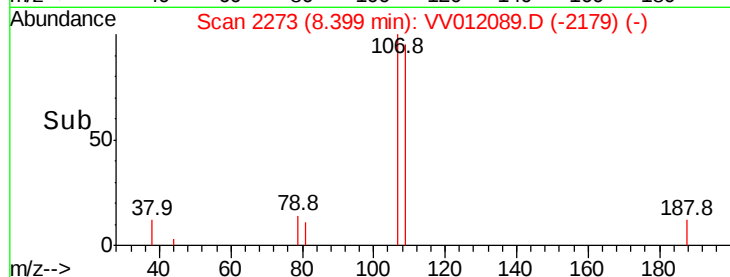
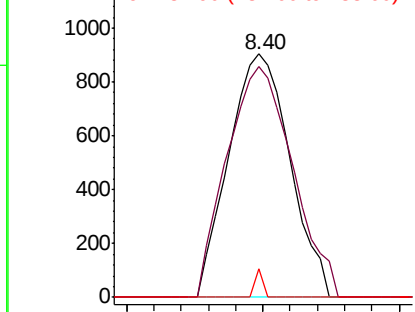


Abundance

Ion 106.95 (106.65 to 107.65): V

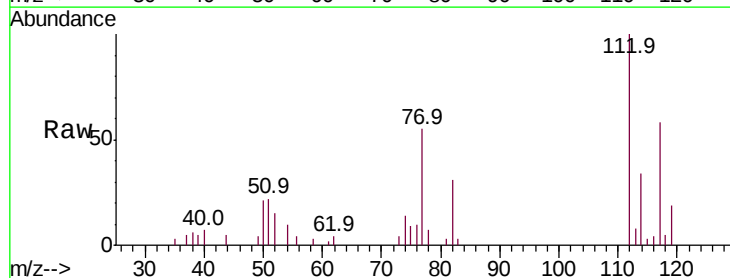
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 0.352 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.9	22.4	41.6
77	54.7	46.1	69.1

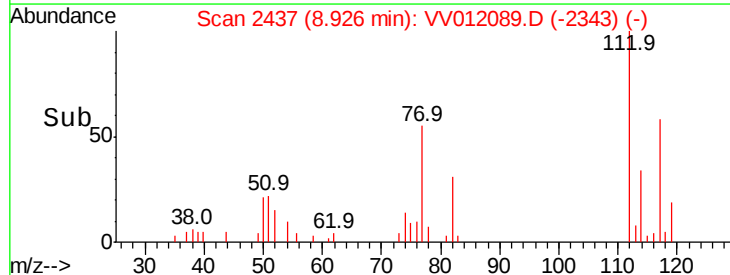
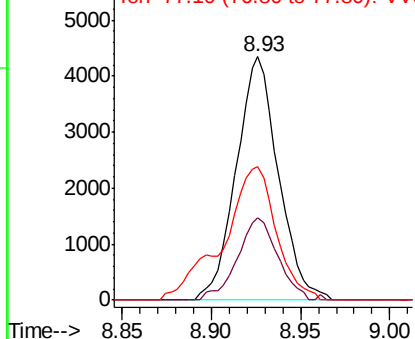


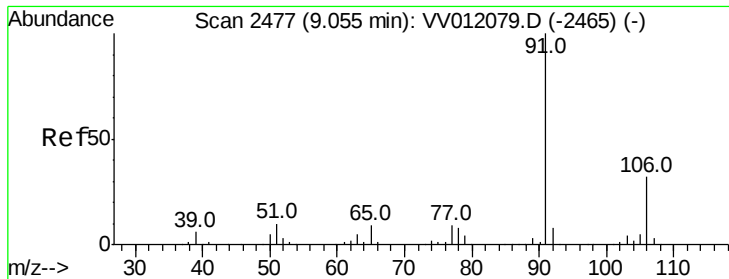
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.317 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 11009

Ion Ratio Lower Upper

91 100

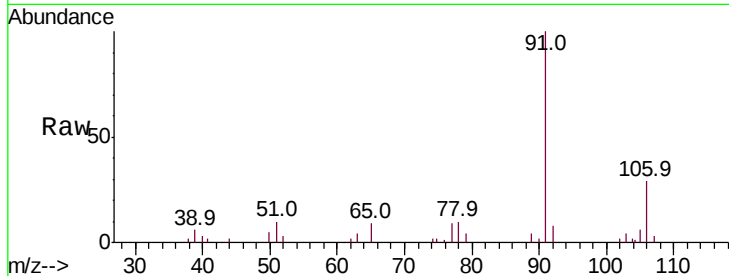
106 29.1 21.6 40.0

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Abundance Ion 91.15 (90.85 to 91.85): VV012079.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV012079.D (-2465) (-)

9.05

8000

6000

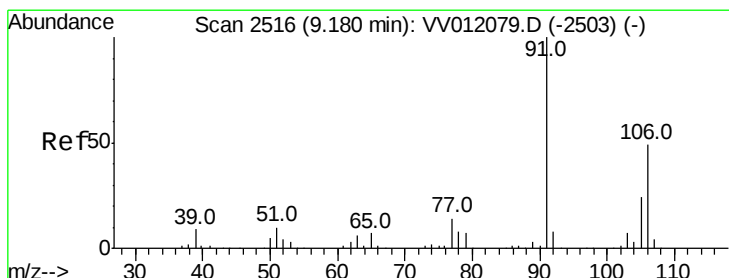
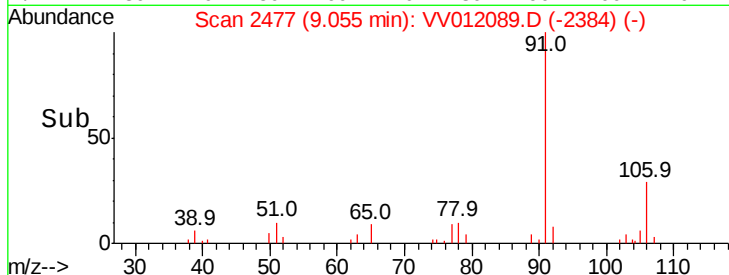
4000

2000

0

Time-->

9.00 9.05 9.10



#53

m,p-xylene

Concen: 0.326 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012089.D

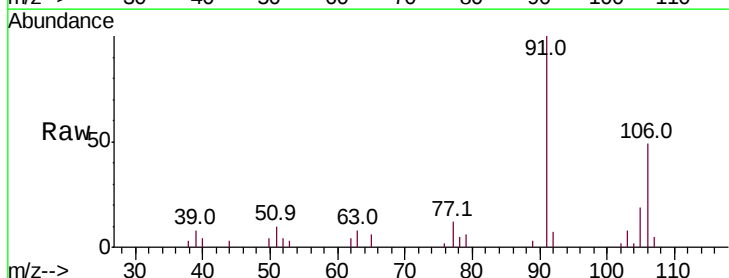
Acq: 30 Jul 2019 23:58

Tgt Ion: 106 Resp: 4343

Ion Ratio Lower Upper

106 100

91 203.5 148.7 276.3



Abundance Ion 106.15 (105.85 to 106.85): VV012079.D (-2503) (-)

Ion 91.15 (90.85 to 91.85): VV012079.D (-2503) (-)

9.18

6000

5000

4000

3000

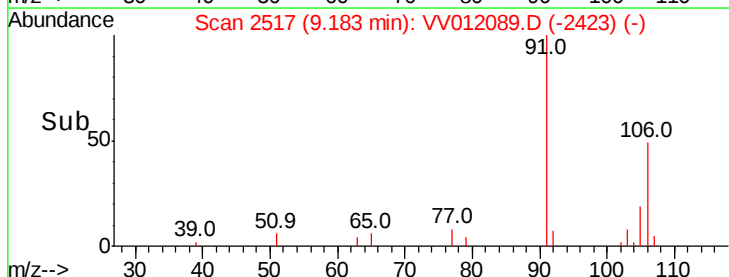
2000

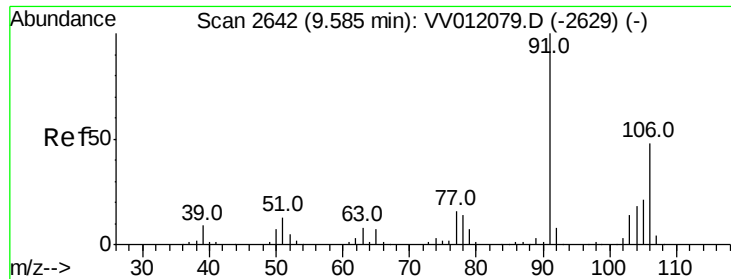
1000

0

Time-->

9.15 9.20





#54

o-xylene

Concen: 0.337 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion:106 Resp: 4292

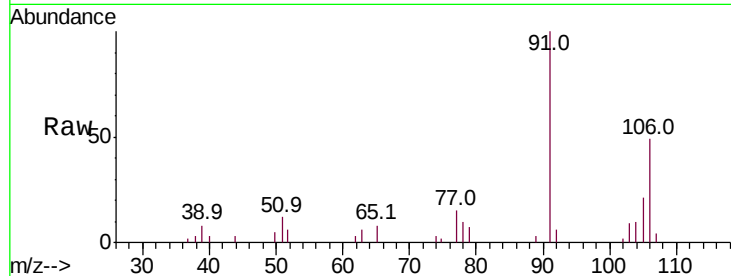
Ion Ratio Lower Upper

106 100

91 204.2 147.7 274.3

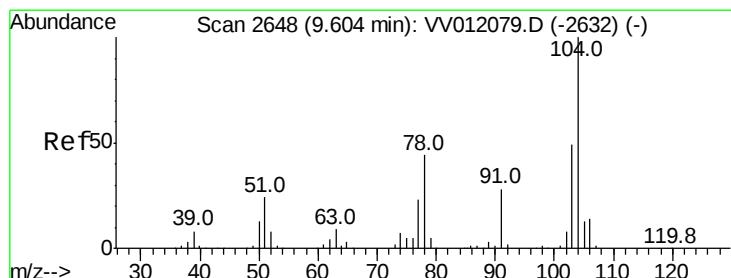
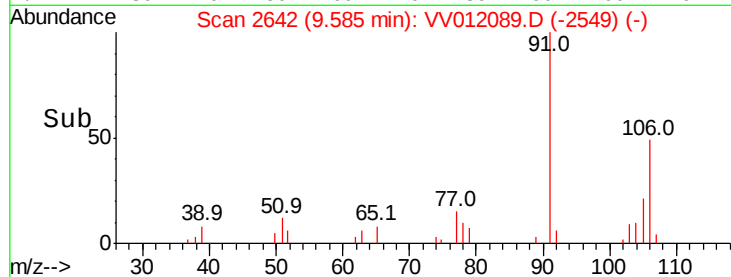
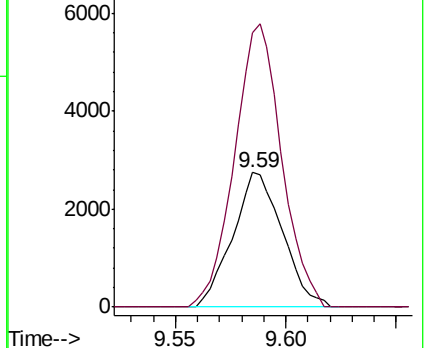
Manual Integrations
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.300 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV012089.D

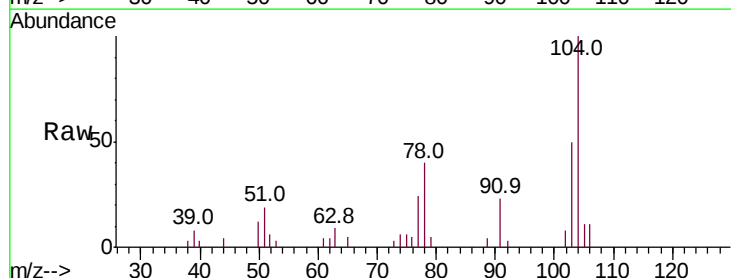
Acq: 30 Jul 2019 23:58

Tgt Ion:104 Resp: 6486

Ion Ratio Lower Upper

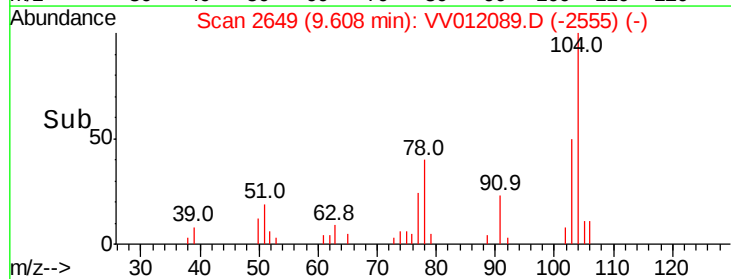
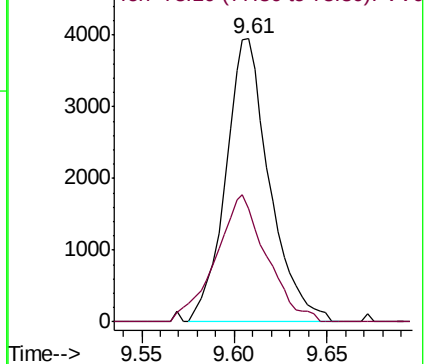
104 100

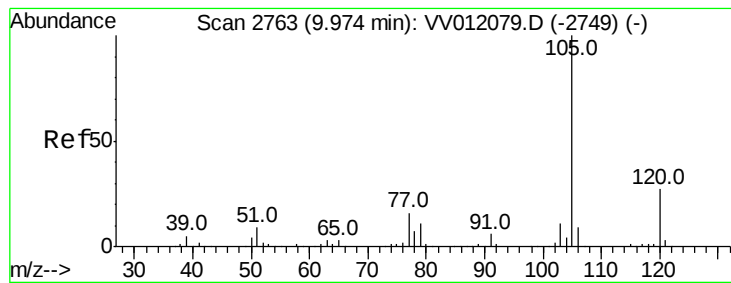
78 40.0 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.308 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

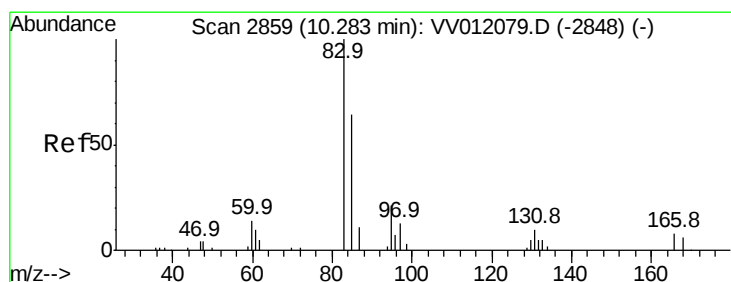
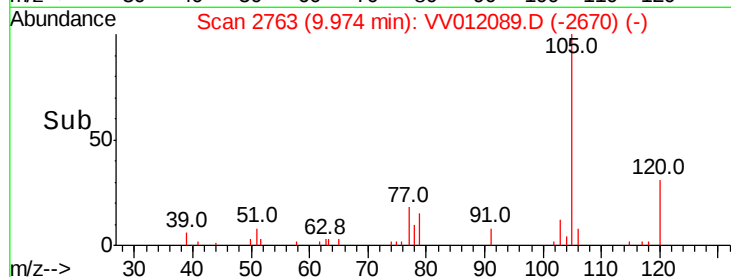
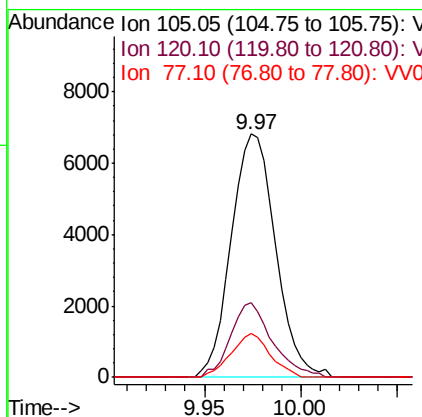
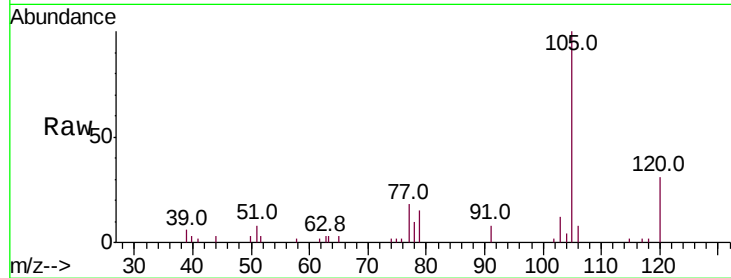
ClientSampleId :

MDL06

Tot Ion:	105	Resp:	10875
Ion Ratio	Lower	Upper	
105	100		
120	28.6	21.8	32.8
77	15.9	12.7	19.1

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.375 ug/L

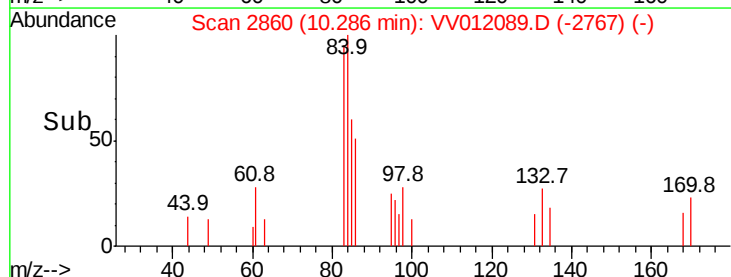
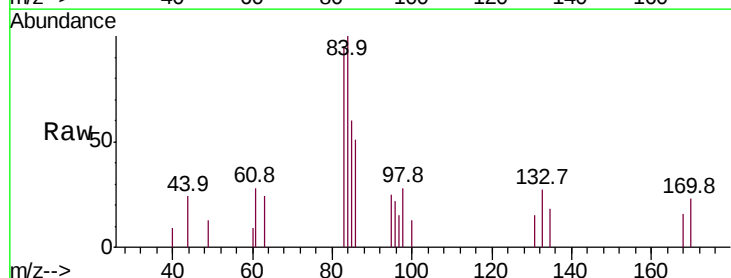
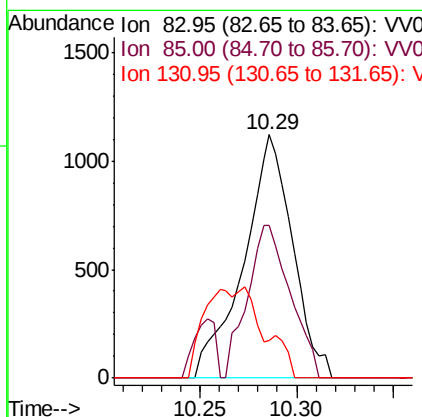
RT: 10.29 min Scan# 2860

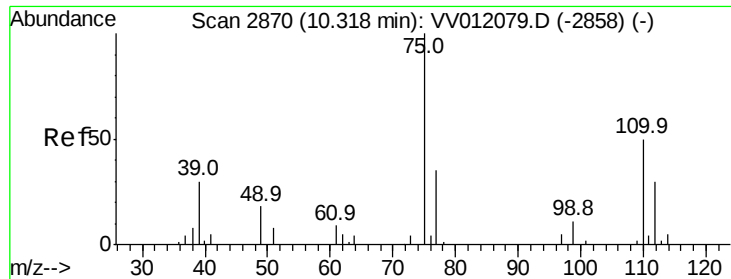
Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Tgt Ion:	83	Resp:	1968
Ion Ratio	Lower	Upper	
83	100		
85	62.9	45.1	83.7
131	15.4	10.3	15.5





#59

1,2,3-Trichloropropane

Concen: 0.356 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 75 Resp: 1410

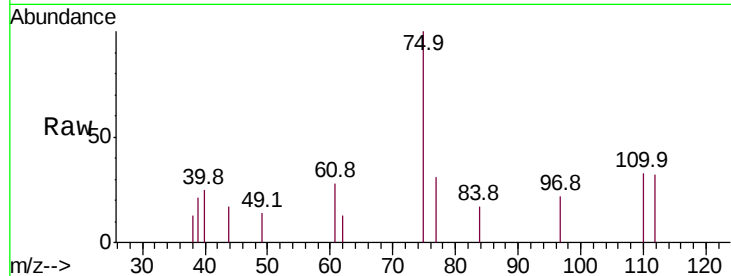
Ion Ratio Lower Upper

75 100

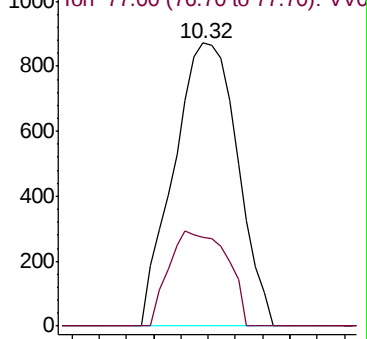
77 30.7 26.9 40.3

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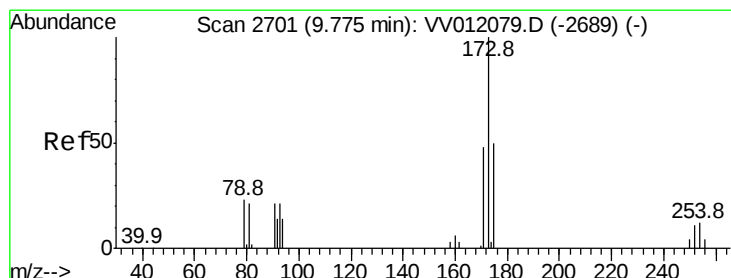
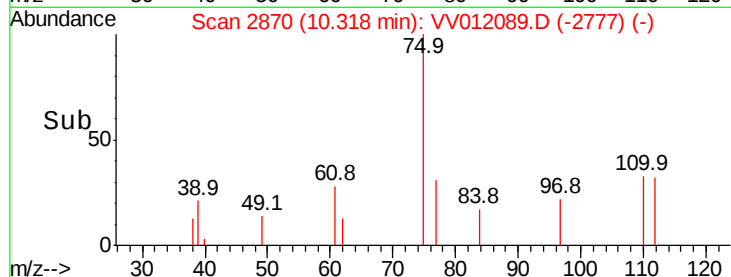
MMdadoda
8/1/2019 9:58:38 AM



Abundance Ion 75.00 (74.70 to 75.70): VV012079.D (-2858) (-)



Time-->



#61

Bromoform

Concen: 0.339 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

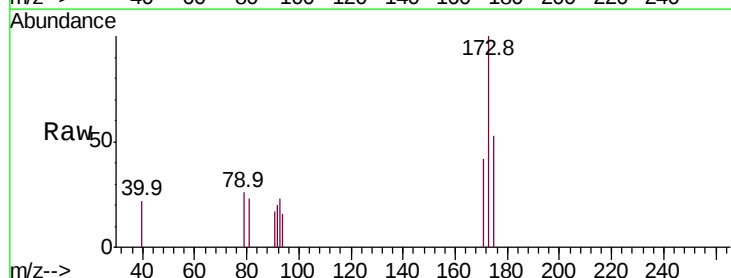
Tgt Ion: 173 Resp: 1075

Ion Ratio Lower Upper

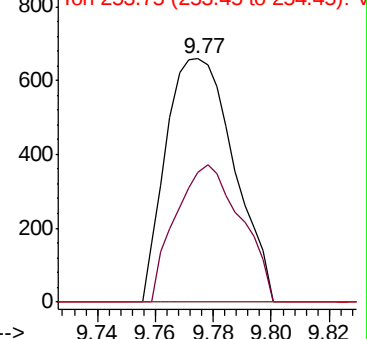
173 100

175 54.0 39.4 59.2

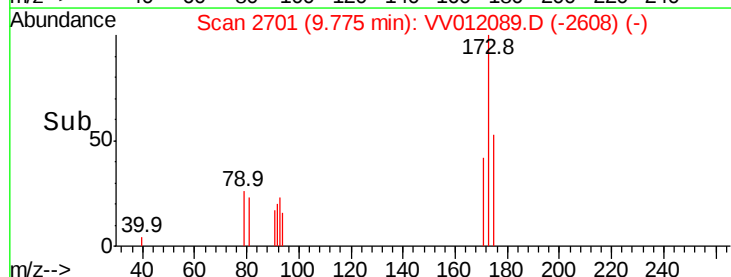
254 0.0 8.7 13.1#

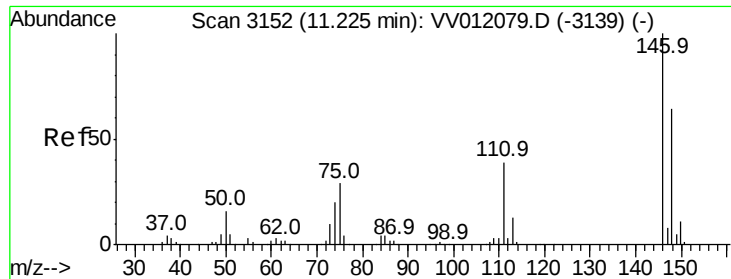


Abundance Ion 172.90 (172.60 to 173.60): VV012079.D (-2689) (-)



Time-->





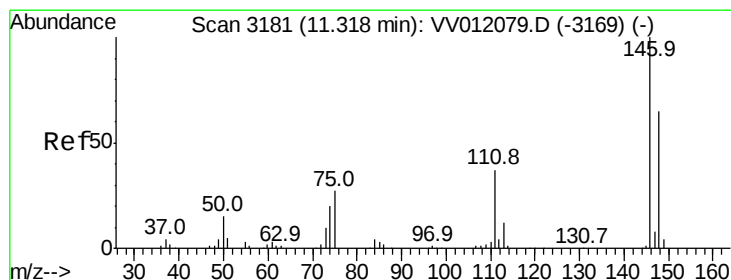
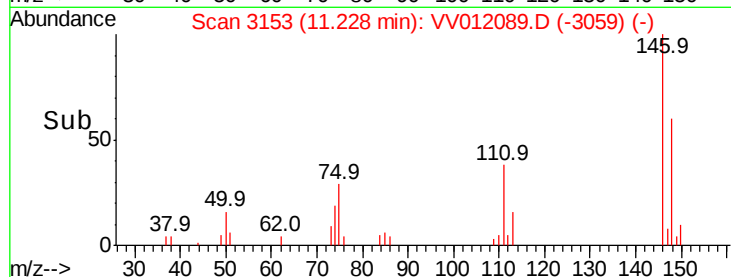
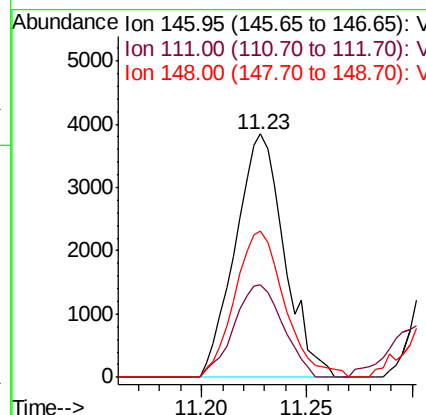
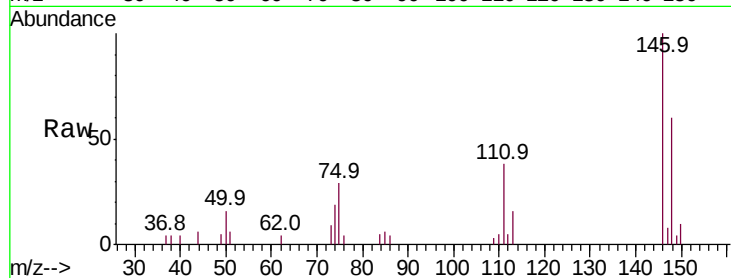
#62
 1,3-Dichlorobenzene
 Concen: 0.378 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	27.2	50.6
148	59.9	45.9	85.3

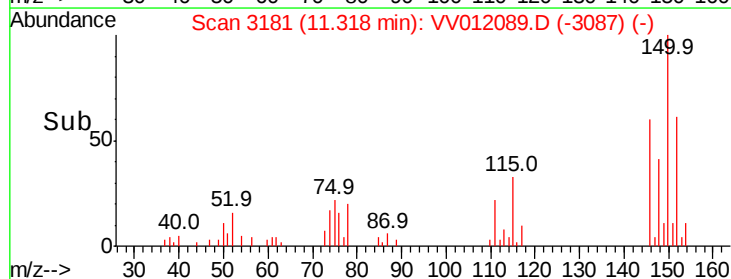
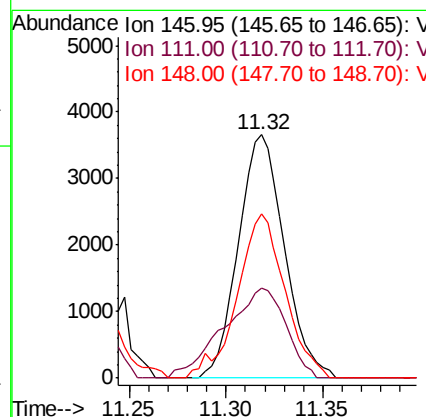
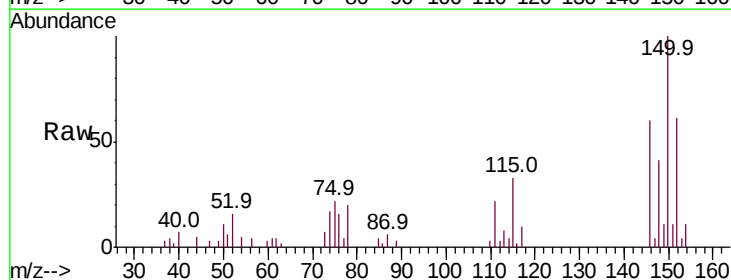
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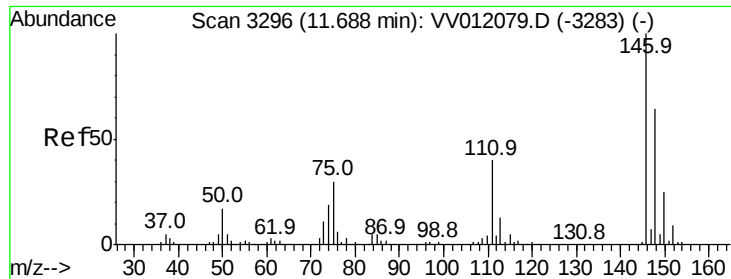
MMDadoda
 8/1/2019 9:58:38 AM



#63
 1,4-Dichlorobenzene
 Concen: 0.360 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	25.4	47.2
148	67.5	43.5	80.7





#65

1,2-Dichlorobenzene

Concen: 0.361 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion:146 Resp: 5369

Ion Ratio Lower Upper

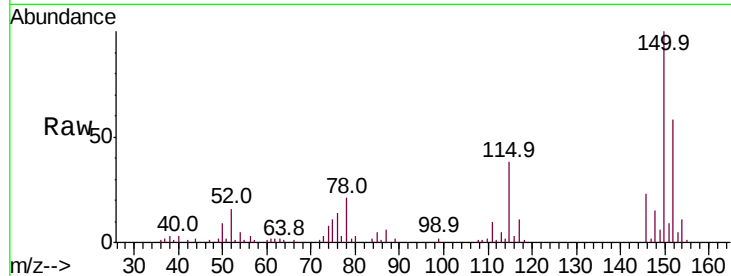
146 100

111 45.0 32.3 48.5

148 65.9 49.9 74.9

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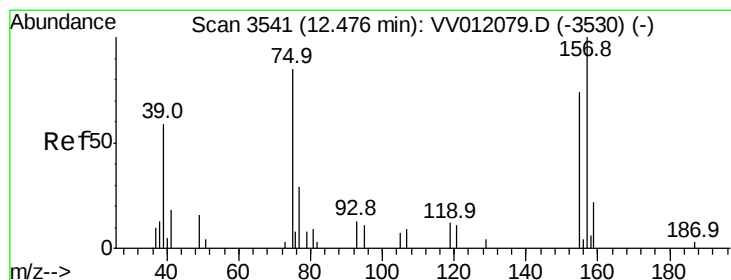
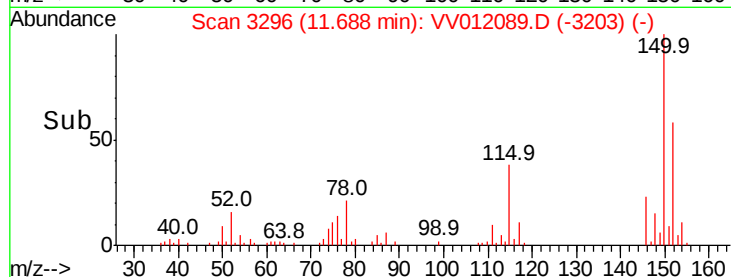
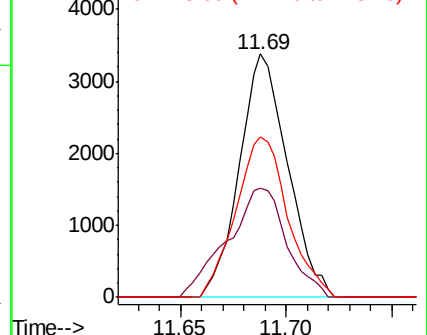
MMdadoda
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Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.383 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV012089.D

Acq: 30 Jul 2019 23:58

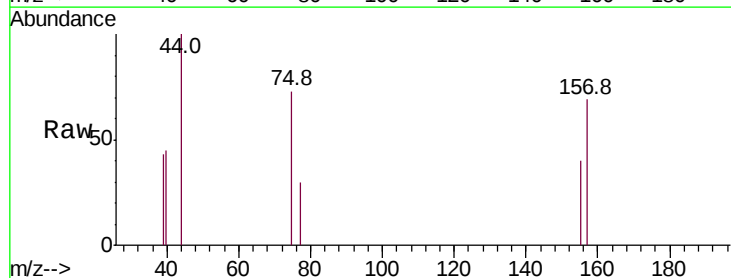
Tgt Ion: 75 Resp: 306

Ion Ratio Lower Upper

75 100

155 54.9 66.9 100.3#

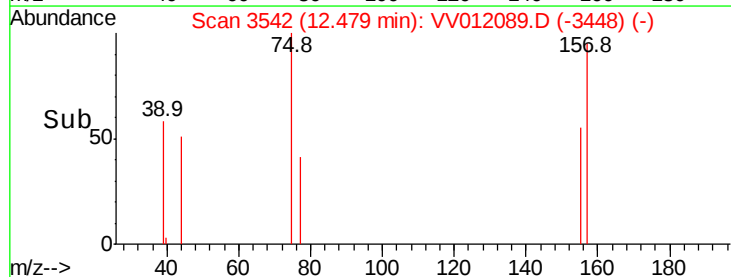
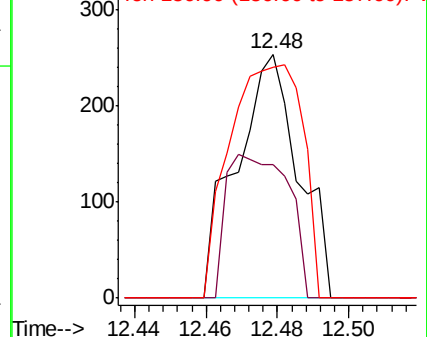
157 94.9 81.8 122.6

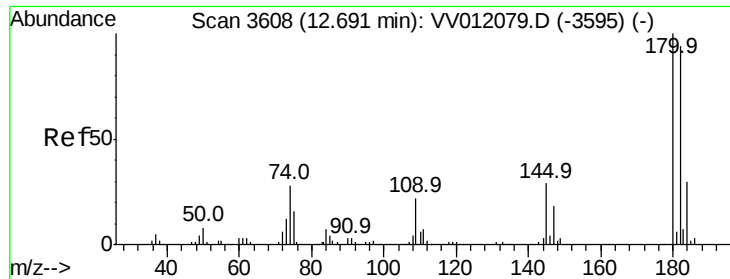


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





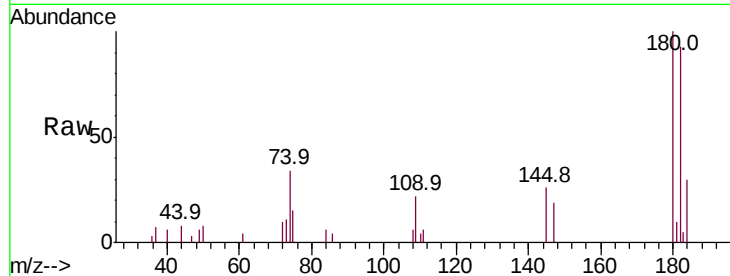
#67
 1,3,5-Trichlorobenzene
 Concen: 0.380 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.6	76.6	115.0
184	28.3	23.8	35.8
145	25.6	22.6	33.8

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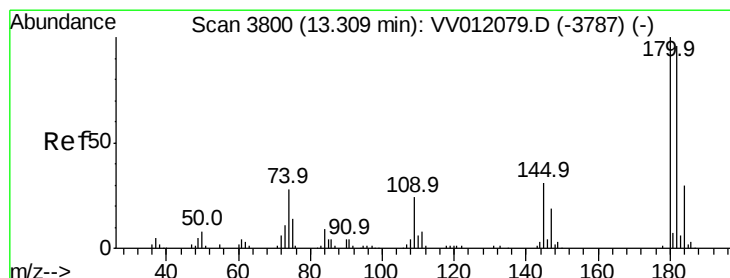
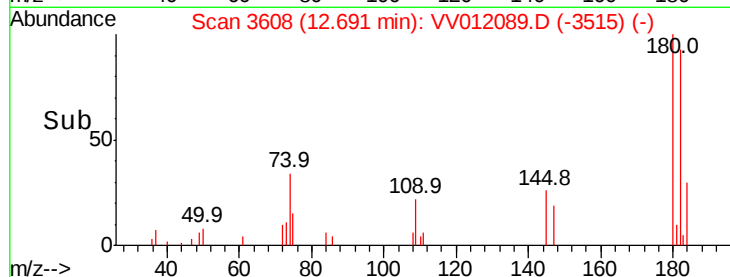
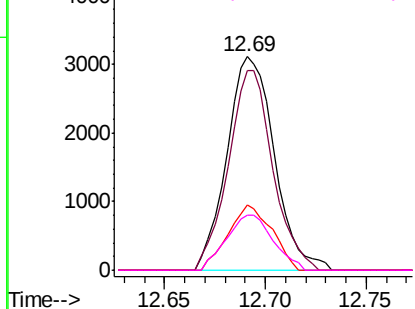
Abundance

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: 0.336 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012089.D
 Acq: 30 Jul 2019 23:58

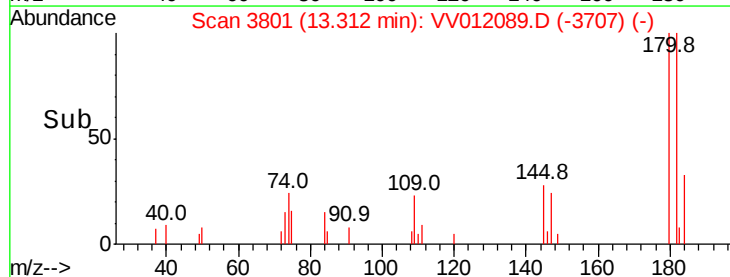
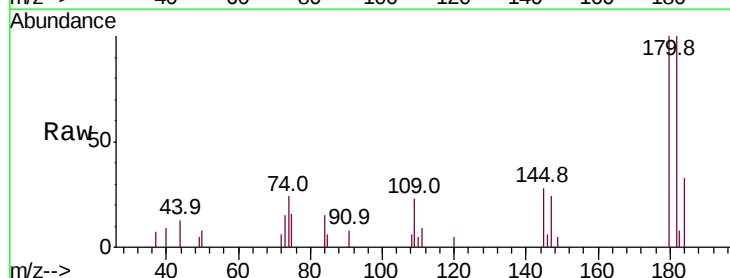
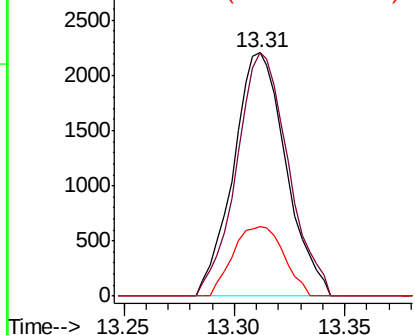
Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	75.4	113.0
145	27.5	23.5	35.3

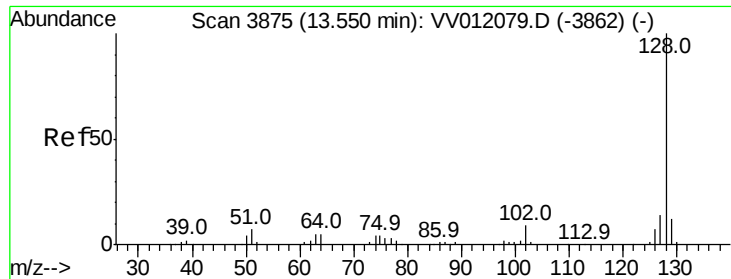
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





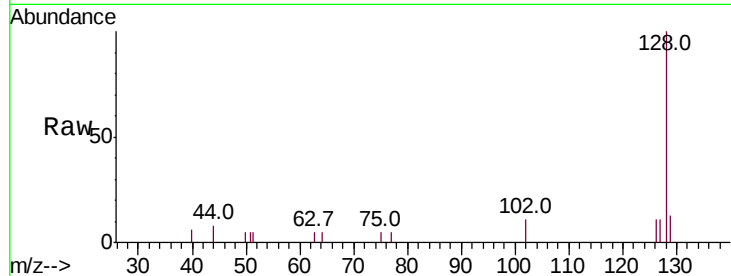
#69
Naphthalene
Concen: 0.312 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.01 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Instrument :
MSVOA_V
ClientSampleId :
MDL06

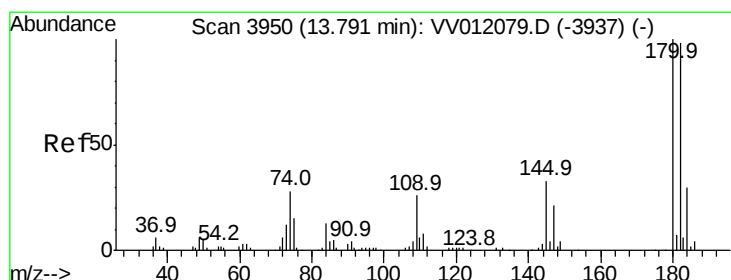
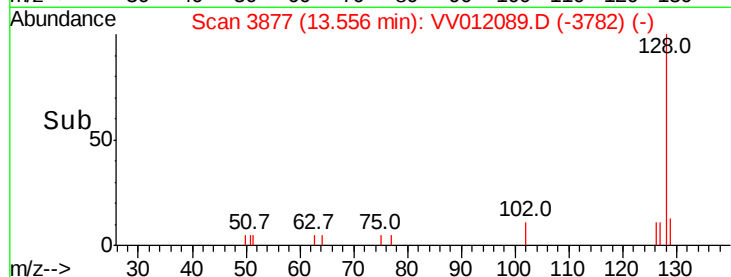
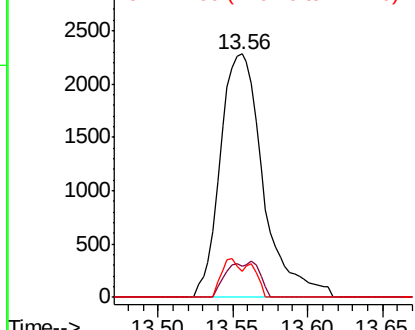
Tot Ion	Ratio	Lower	Upper
128	100		
129	6.1	8.4	12.6#
127	7.0	10.0	15.0#

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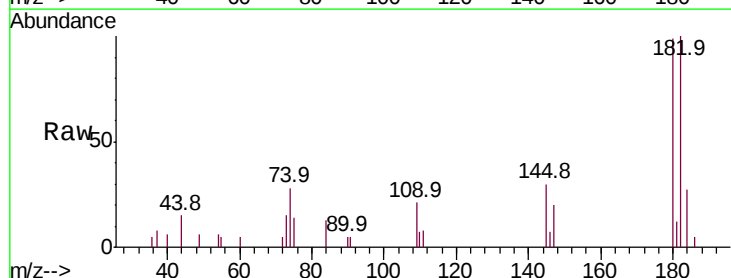


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 0.359 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV012089.D
Acq: 30 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.0	76.5	114.7
145	29.9	24.4	36.6



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

