

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073119\
 Data File : VV012084.D
 Acq On : 30 Jul 2019 21:51
 Operator : SY/MD
 Sample : MDL01
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 9:58:11 AM

Quant Time: Jul 31 06:31:16 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	106923	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	104829	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	52834	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25920	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.58	69	20241	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.13	63	42370	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	3.97	46	74436	53.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.82%
24) Chloroform-d	4.40	84	71316	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.08	65	40639	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.10	84	141267	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	6.12	67	39155	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	7.36	98	129101	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
43) trans-1,3-Dichloropropene-	7.67	79	16340	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.14	63	58974	53.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.52%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	29062	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	54125	5.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3397	0.287 ug/L	94
3) Chloromethane	1.25	50	1644	0.290 ug/L	83
5) Vinyl chloride	1.32	62	1977	0.320 ug/L #	79
6) Bromomethane	1.54	94	1031	0.269 ug/L	84
8) Chloroethane	1.60	64	1157	0.336 ug/L	91
9) Trichlorofluoromethane	1.77	101	3438	0.286 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1895	0.370 ug/L #	83
12) 1,1-Dichloroethene	2.14	96	1577	0.336 ug/L #	1
13) Acetone	2.23	43	2229m	3.143 ug/L	
14) Carbon disulfide	2.32	76	4069	0.317 ug/L	95
15) Methyl Acetate	2.48	43	680	0.422 ug/L #	45
16) Methylene chloride	2.54	84	2006	0.411 ug/L	86
17) Methyl tert-butyl Ether	2.81	73	4752	0.305 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	2191	0.314 ug/L	89
19) 1,1-Dichloroethane	3.23	63	3880	0.312 ug/L	92
21) 2-Butanone	4.08	43	4738m	3.369 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2077	0.277 ug/L	94

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

23) Bromochloromethane	4.30	128	1021	0.303	ug/L	96
25) Chloroform	4.42	83	10579	0.655	ug/L	96
27) 1,2-Dichloroethane	5.18	62	2813	0.316	ug/L #	93
29) 1,1,1-Trichloroethane	4.66	97	3725	0.273	ug/L	96
30) Cyclohexane	4.72	56	3109	0.299	ug/L	94
31) Carbon tetrachloride	4.87	117	3266	0.267	ug/L	96
33) Benzene	5.15	78	8075	0.291	ug/L	100
34) Trichloroethene	5.96	95	2170	0.271	ug/L #	82
35) Methylcyclohexane	6.17	83	3272	0.270	ug/L	94
37) 1,2-Dichloropropane	6.22	63	1855	0.289	ug/L #	82
38) Bromodichloromethane	6.56	83	2875	0.305	ug/L #	95
39) cis-1,3-Dichloropropene	7.07	75	2486	0.249	ug/L	88
40) 4-Methyl-2-pentanone	7.28	43	9238	2.641	ug/L #	86
42) Toluene	7.43	91	8871	0.292	ug/L	95
44) trans-1,3-Dichloropropene	7.69	75	2323	0.288	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	1388	0.290	ug/L	93
47) Tetrachloroethene	8.02	164	2125	0.292	ug/L	96
48) 2-Hexanone	8.19	43	8550	3.514	ug/L #	93
49) Dibromochloromethane	8.29	129	1537	0.247	ug/L	82
50) 1,2-Dibromoethane	8.40	107	1167	0.254	ug/L #	98
51) Chlorobenzene	8.92	112	6363	0.309	ug/L	95
52) Ethylbenzene	9.05	91	9565	0.273	ug/L	87
53) m,p-xylene	9.18	106	3496	0.260	ug/L	89
54) o-xylene	9.59	106	3531	0.274	ug/L	92
55) Styrene	9.60	104	5818	0.267	ug/L	92
56) Isopropylbenzene	9.97	105	9374	0.263	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.28	83	1544	0.292	ug/L #	93
59) 1,2,3-Trichloropropane	10.32	75	1064	0.266	ug/L	90
61) Bromoform	9.77	173	1145	0.365	ug/L #	93
62) 1,3-Dichlorobenzene	11.23	146	5184	0.318	ug/L	91
63) 1,4-Dichlorobenzene	11.32	146	5348	0.322	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	4666	0.317	ug/L #	88
66) 1,2-Dibromo-3-chloropropan	12.48	75	200	0.253	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	4111	0.308	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	3128	0.290	ug/L	97
69) Naphthalene	13.55	128	3373	0.233	ug/L	96
70) 1,2,3-Trichlorobenzene	13.79	180	2974	0.310	ug/L	94

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

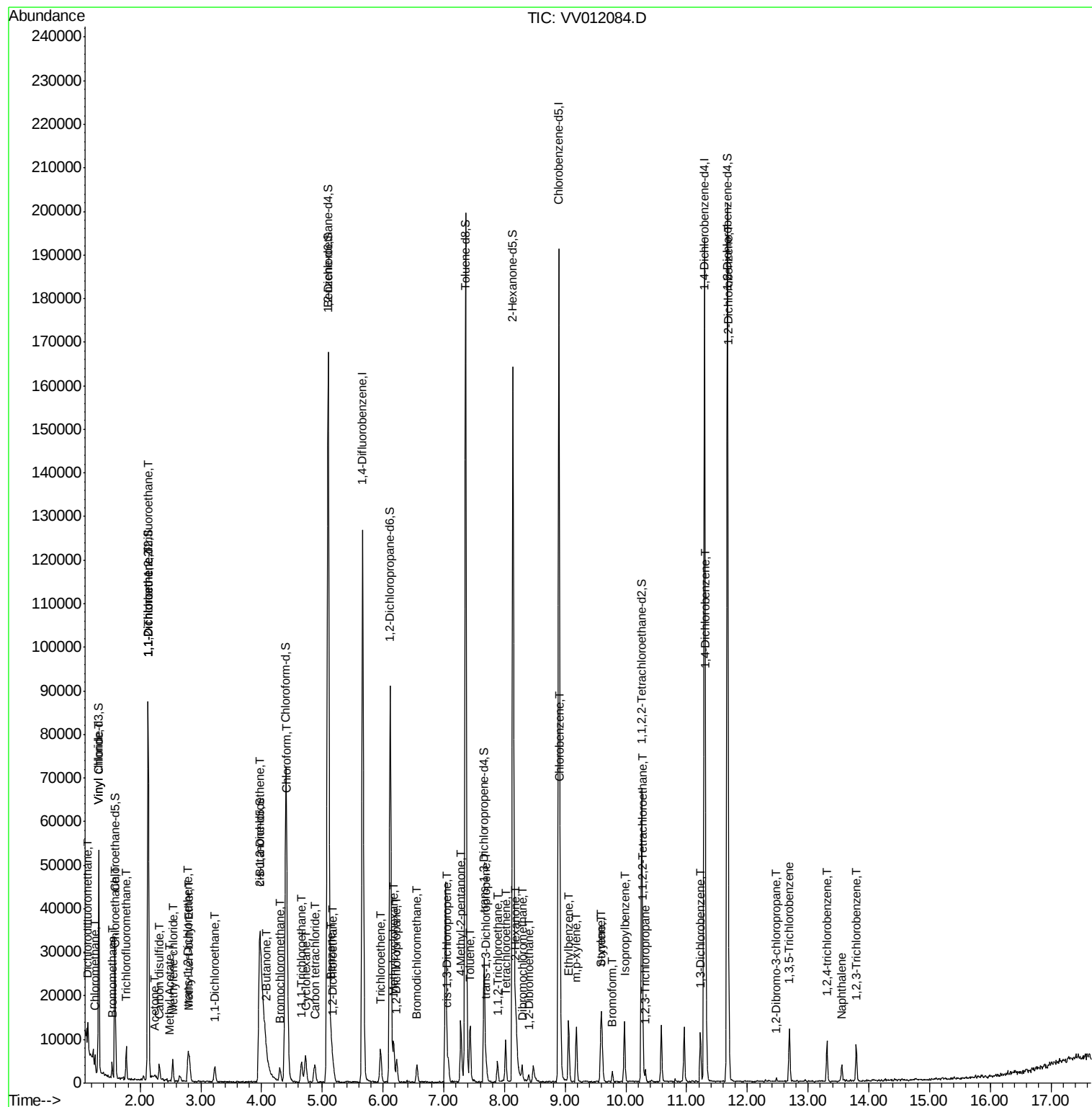
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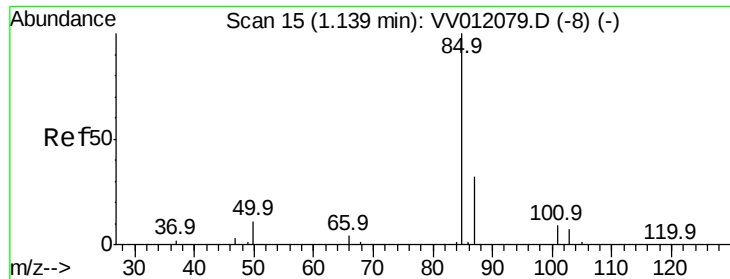
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#2

Dichlorodifluoromethane

Concen: 0.287 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 85 Resp: 3397

Ion Ratio Lower Upper

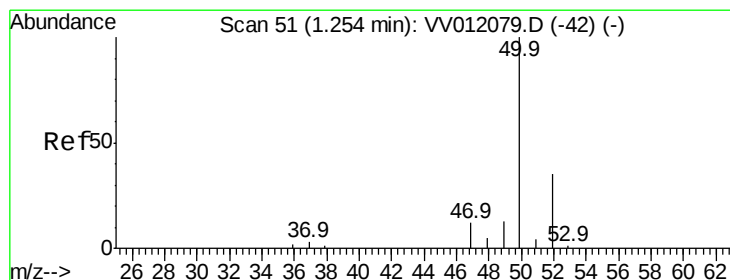
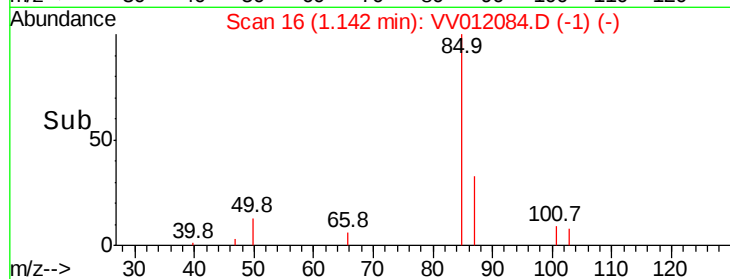
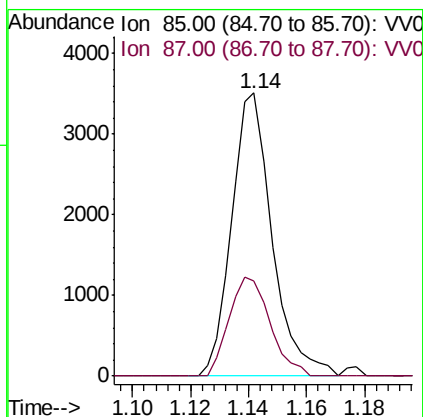
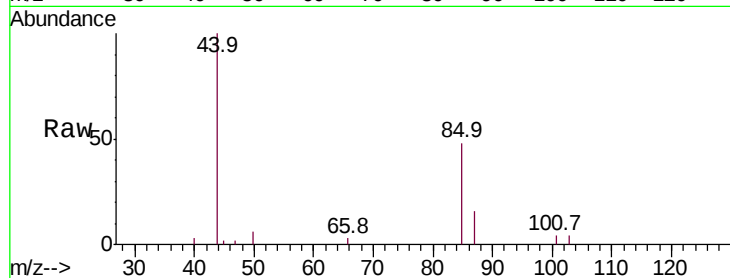
85 100

87 35.4 25.6 38.4

Manual Integrations
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#3

Chloromethane

Concen: 0.290 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012084.D

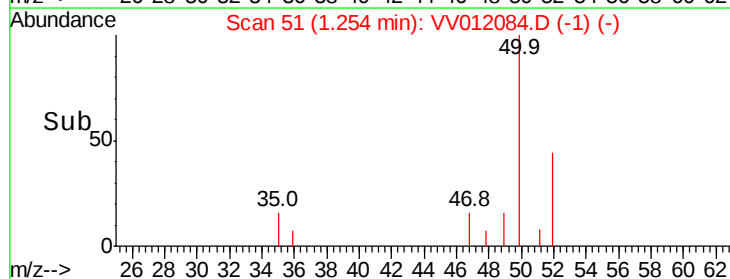
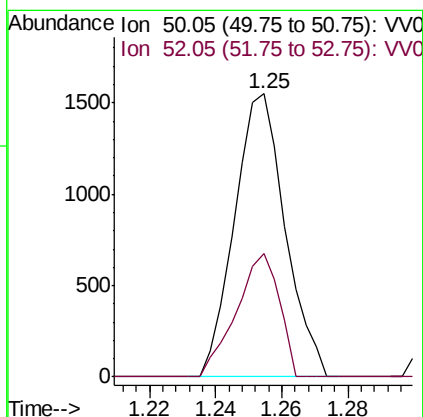
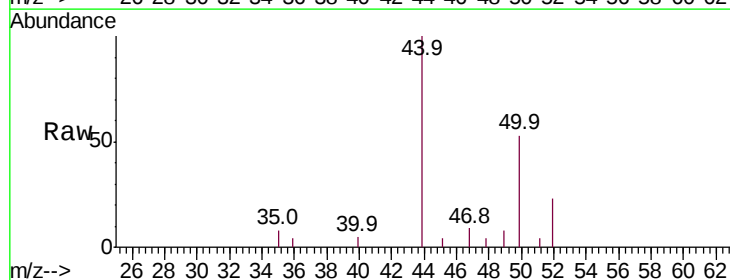
Acq: 30 Jul 2019 21:51

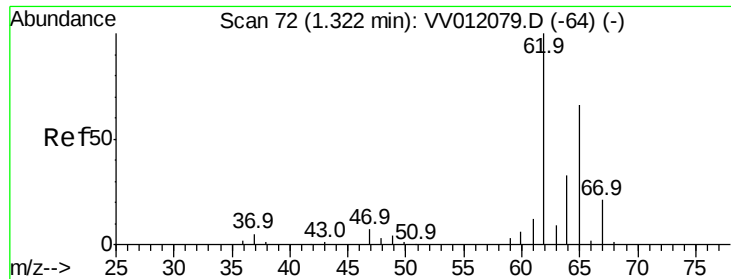
Tgt Ion: 50 Resp: 1644

Ion Ratio Lower Upper

50 100

52 43.8 23.7 43.9





#5

Vinyl chloride

Concen: 0.320 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 62 Resp: 1977

Ion Ratio Lower Upper

62 100

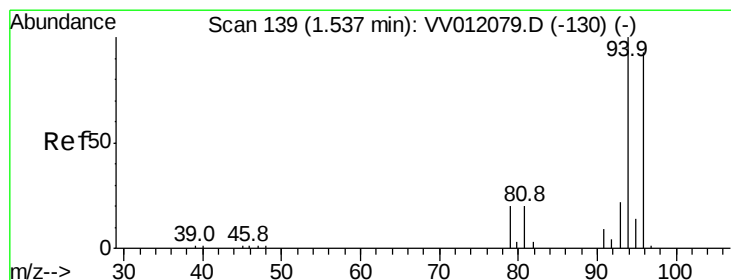
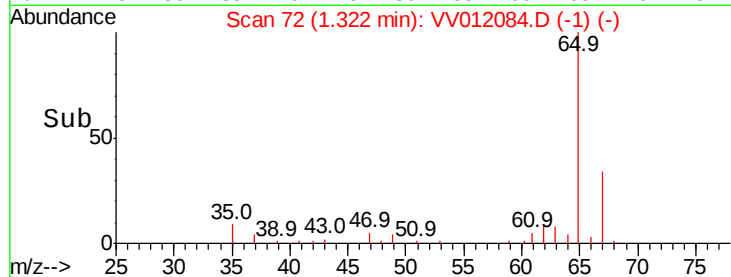
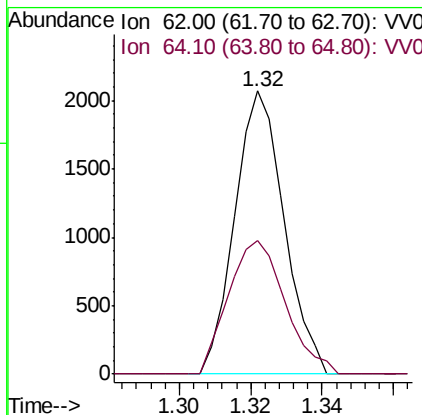
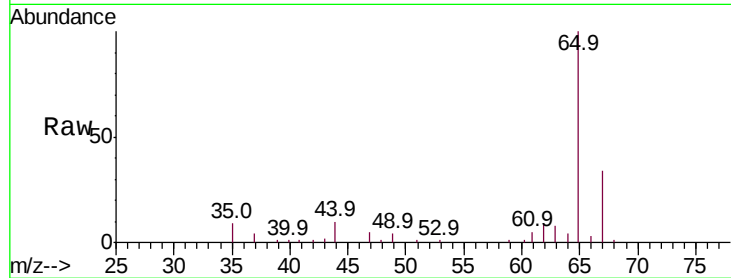
64 47.1 24.3 45.1#

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#6

Bromomethane

Concen: 0.269 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012084.D

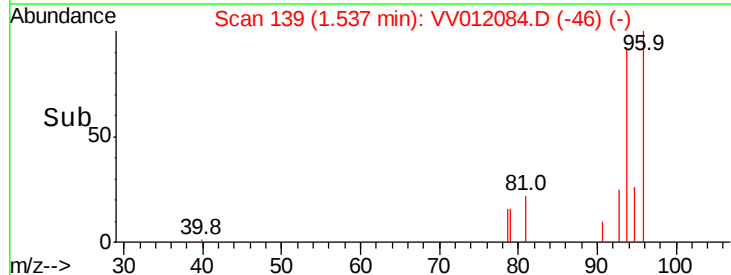
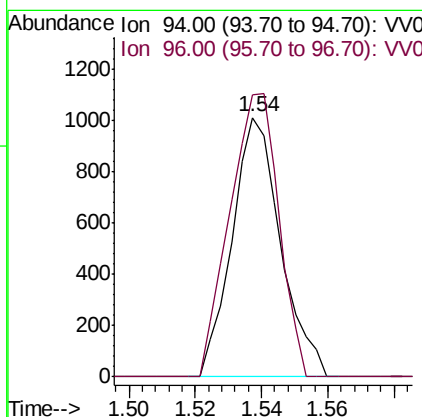
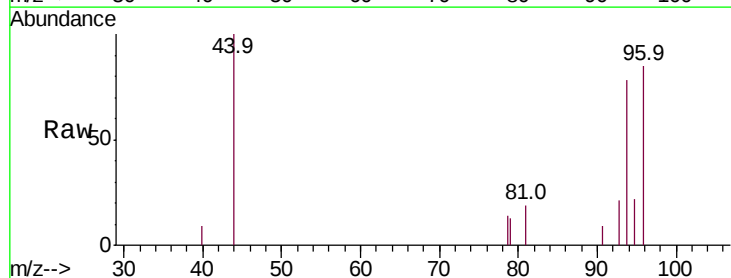
Acq: 30 Jul 2019 21:51

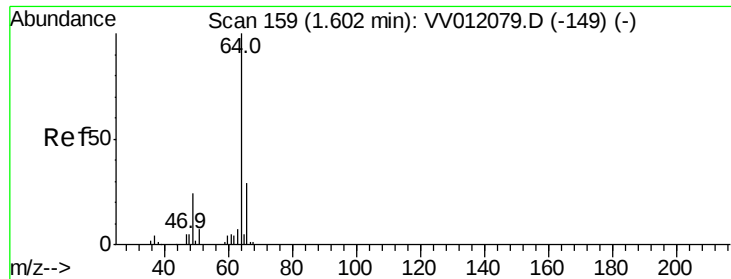
Tgt Ion: 94 Resp: 1031

Ion Ratio Lower Upper

94 100

96 109.0 65.6 121.8





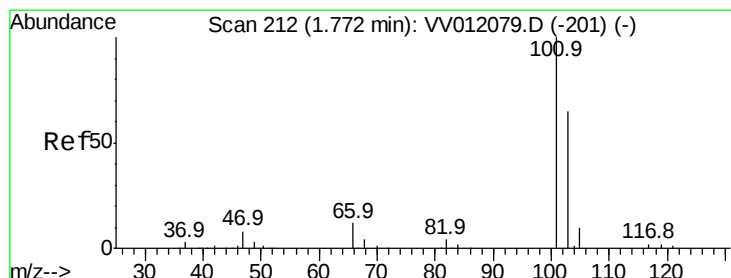
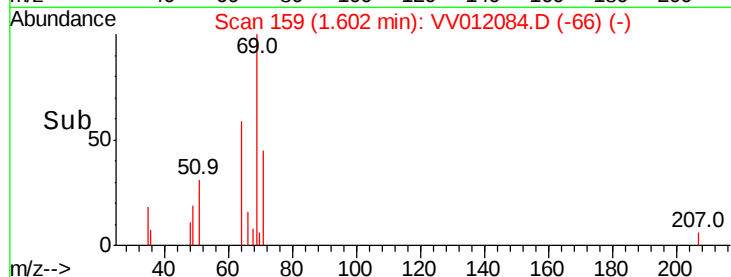
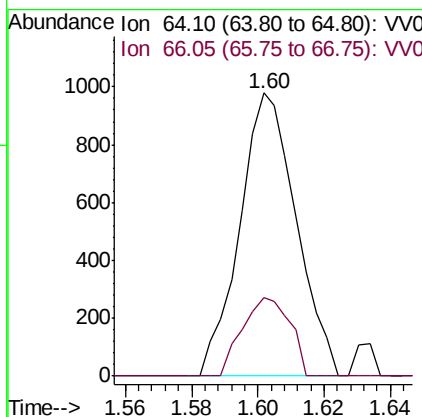
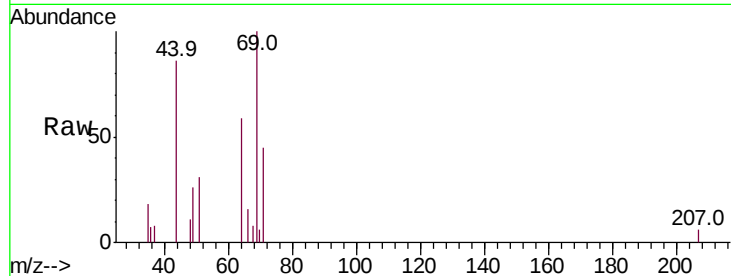
#8
Chloroethane
Concen: 0.336 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion: 64 Resp: 1157
Ion Ratio Lower Upper
64 100
66 27.7 23.1 42.9

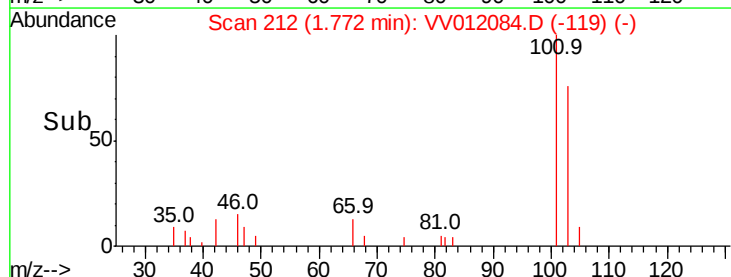
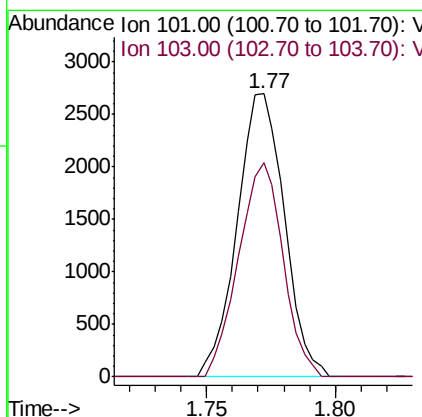
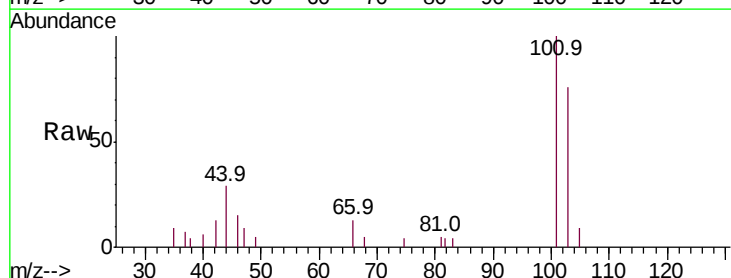
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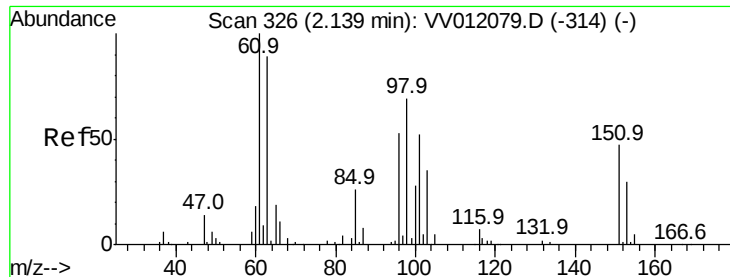
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#9
Trichlorofluoromethane
Concen: 0.286 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Tgt Ion: 101 Resp: 3438
Ion Ratio Lower Upper
101 100
103 71.2 51.3 76.9





#10

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

Concen: 0.370 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Instrument :

MSVOA_V

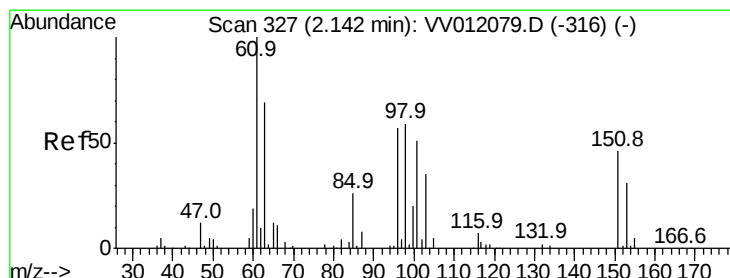
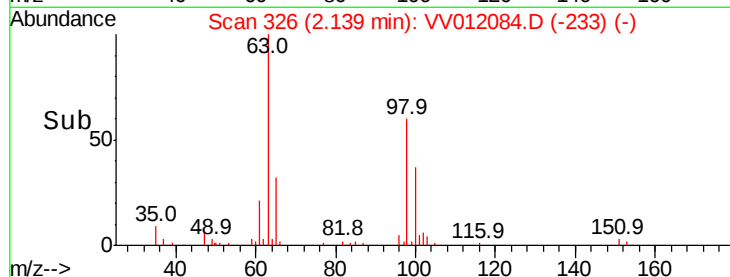
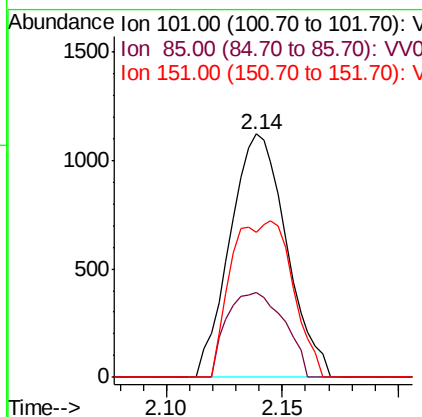
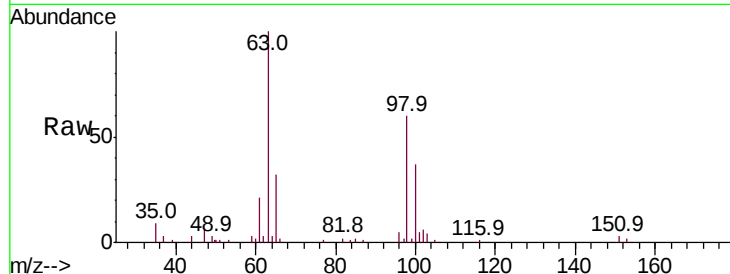
ClientSampled :

MDL01

Tot Ion:	101	Resp:	1895
Ion Ratio	Lower	Upper	
101	100		
85	35.5	37.4	56.2#
151	70.1	69.1	103.7

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#12

1,1-Dichloroethene

Concen: 0.336 ug/L

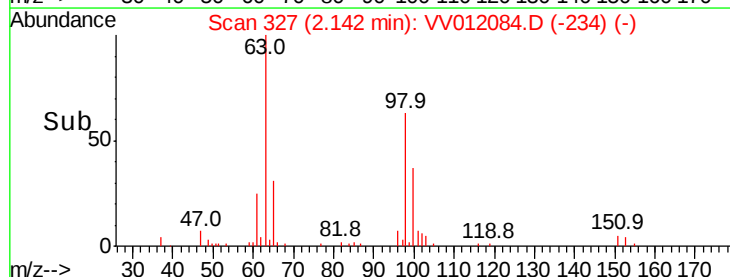
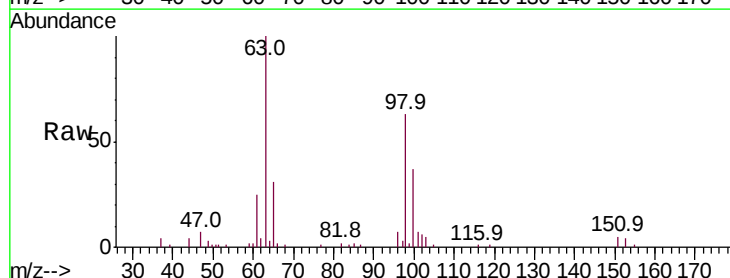
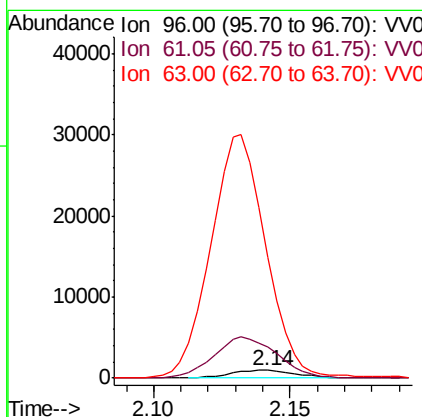
RT: 2.14 min Scan# 327

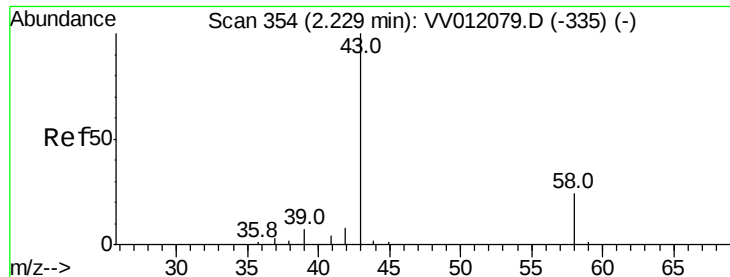
Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Tgt Ion:	96	Resp:	1577
Ion Ratio	Lower	Upper	
96	100		
61	388.4	126.9	235.7#
63	1528.6	87.6	162.8#





#13

Acetone

Concen: 3.143 ug/L m

RT: 2.23 min Scan# 354

Delta R.T. -0.01 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 43 Resp: 2229

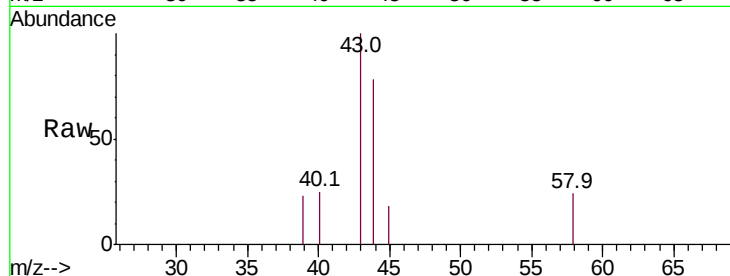
Ion Ratio Lower Upper

43 100

58 19.7 0.0 51.0

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Abundance Ion 43.05 (42.75 to 43.75): VV012079.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV012079.D (-335) (-)

2.23

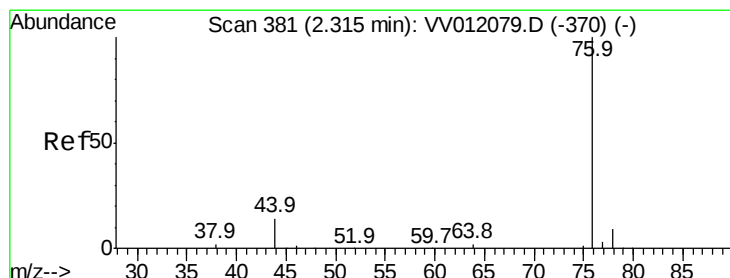
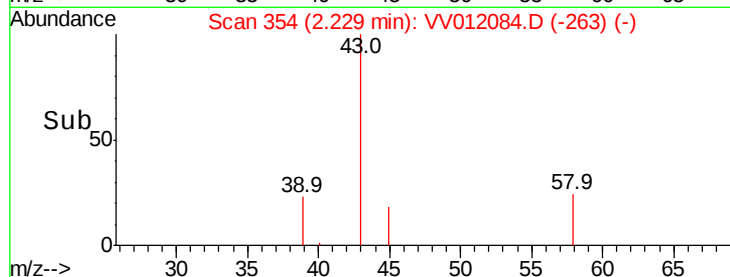
600

400

200

0

Time--> 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 0.317 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012084.D

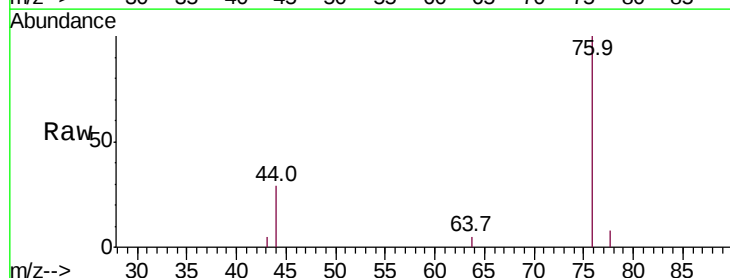
Acq: 30 Jul 2019 21:51

Tgt Ion: 76 Resp: 4069

Ion Ratio Lower Upper

76 100

78 8.1 7.9 11.9



Abundance Ion 76.05 (75.75 to 76.75): VV012079.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV012079.D (-370) (-)

2.32

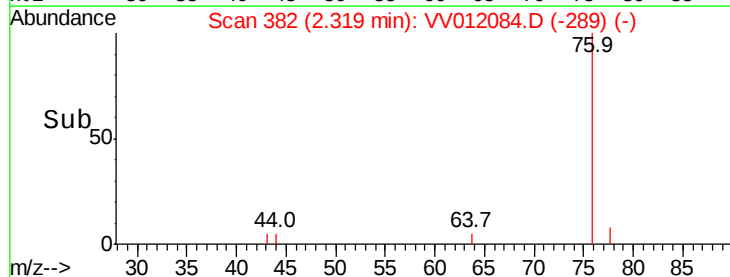
3000

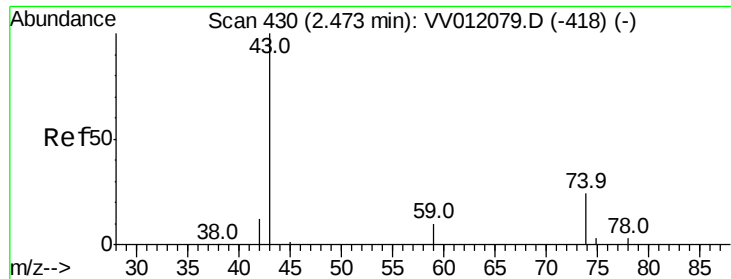
2000

1000

0

Time--> 2.30 2.35





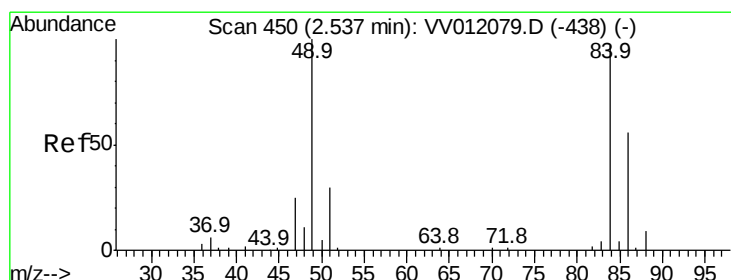
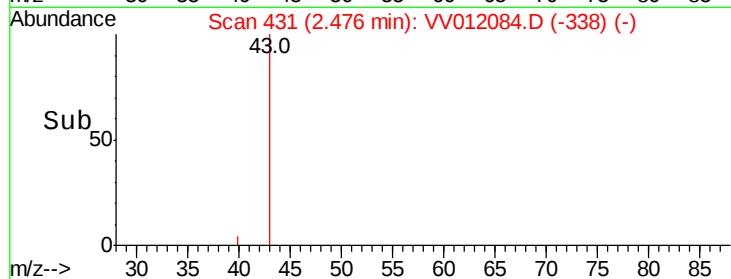
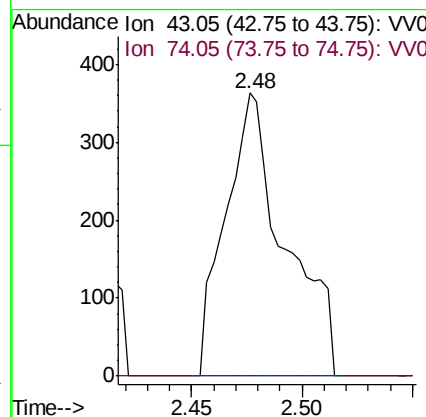
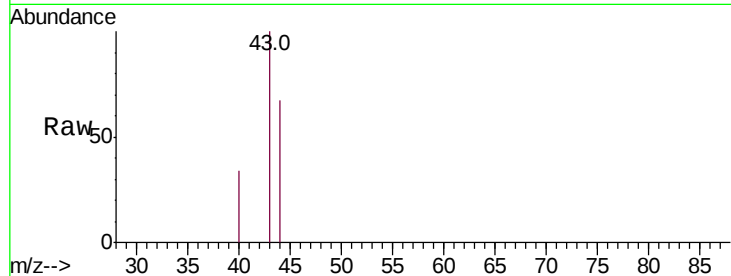
#15
Methyl Acetate
Concen: 0.422 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
74 0.0 23.4 35.0#

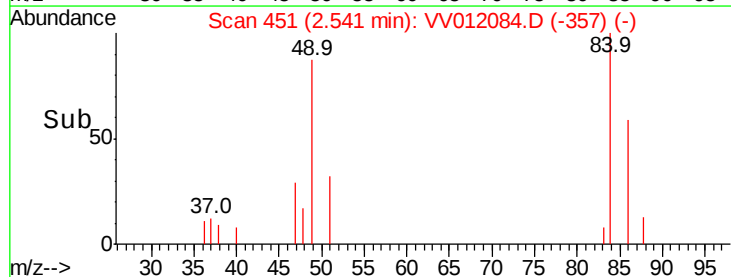
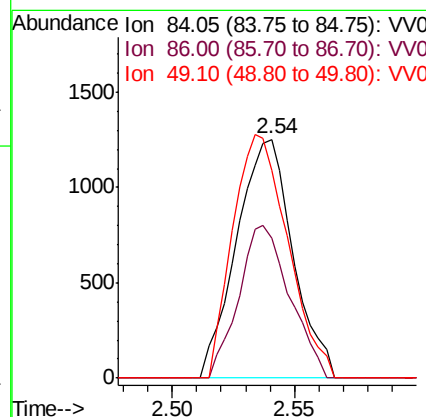
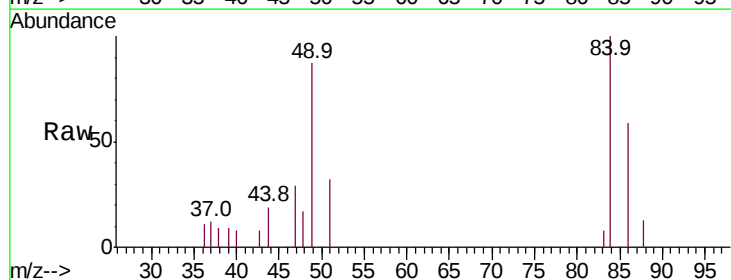
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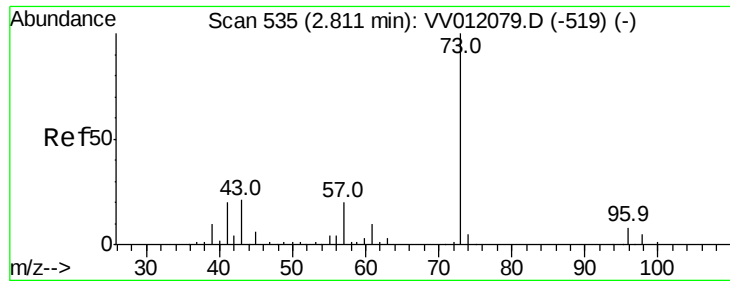
MMdadoda
8/1/2019 9:58:11 AM



#16
Methylene chloride
Concen: 0.411 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Tgt Ion: 84 Resp: 2006
Ion Ratio Lower Upper
84 100
86 58.7 45.0 83.6
49 87.1 74.4 138.2





#17

Methvl tert-butvl Ether

Concen: 0.305 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

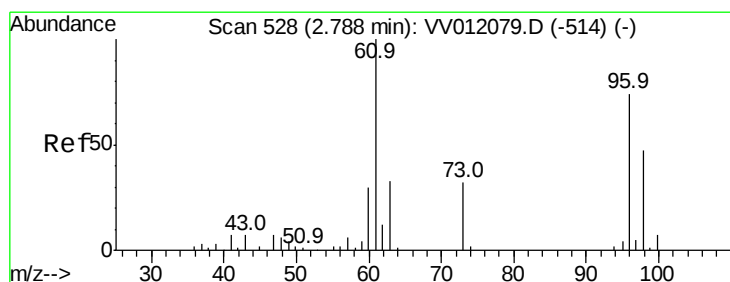
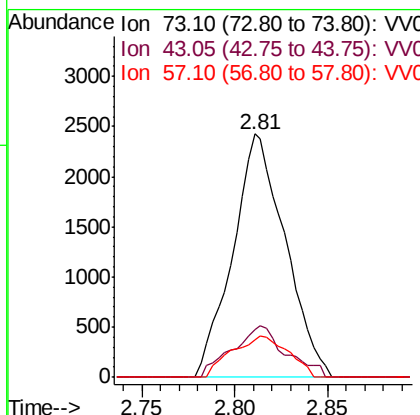
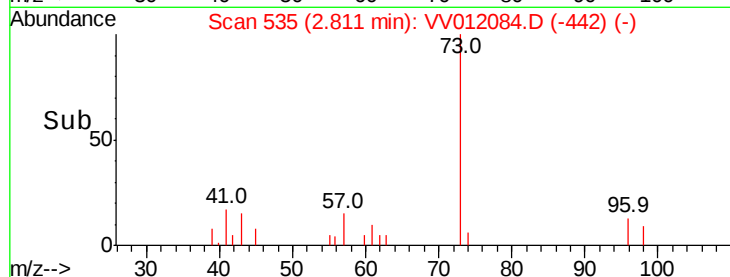
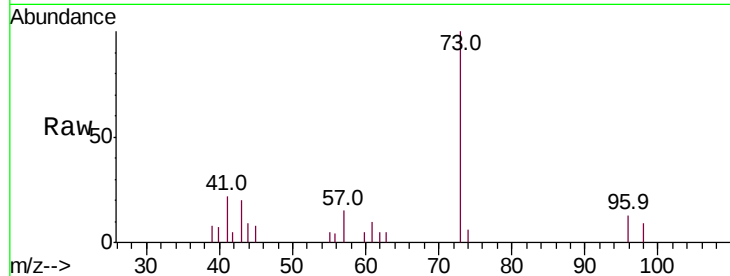
Instrument :
MSVOA_V

ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.5	17.2	25.8
57	18.3	15.1	22.7

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#18

trans-1,2-Dichloroethene

Concen: 0.314 ug/L

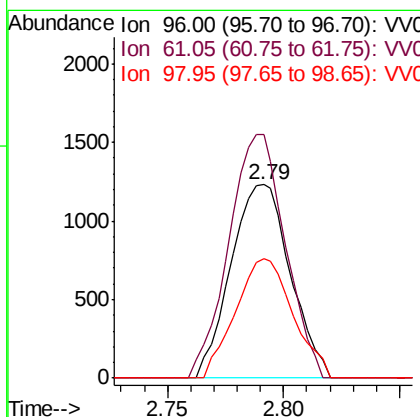
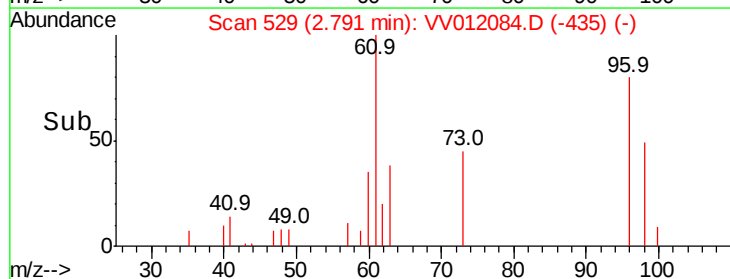
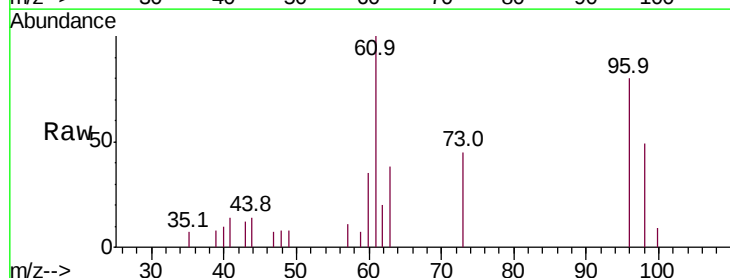
RT: 2.79 min Scan# 529

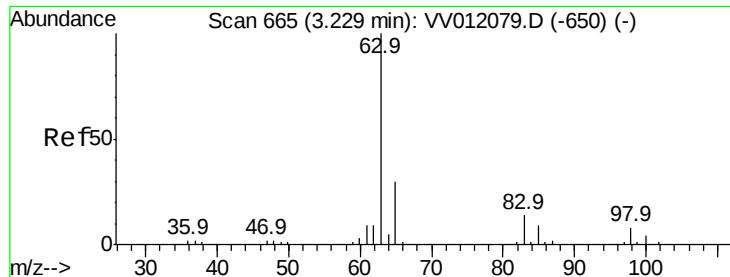
Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.6	99.0	184.0
98	61.7	47.9	88.9





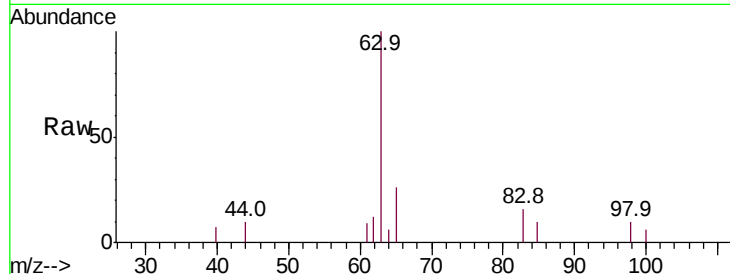
#19
 1,1-Dichloroethane
 Concen: 0.312 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012084.D
 Acq: 30 Jul 2019 21:51

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

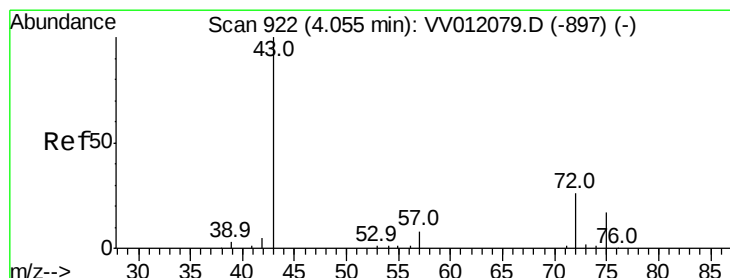
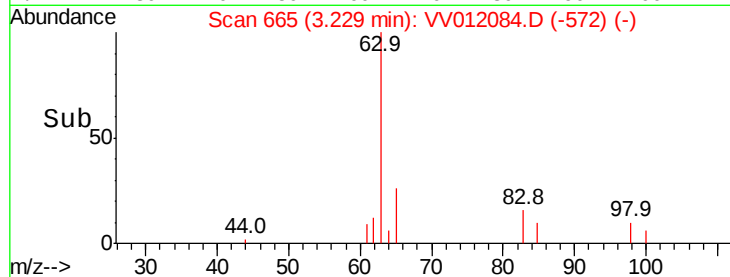
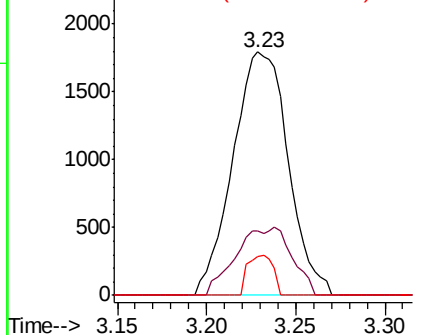
Tot Ion	Ratio	Lower	Upper
63	100		
65	26.3	22.3	41.3
83	15.9	10.4	19.2

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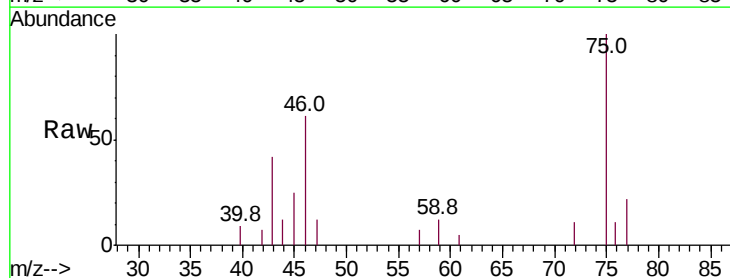


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

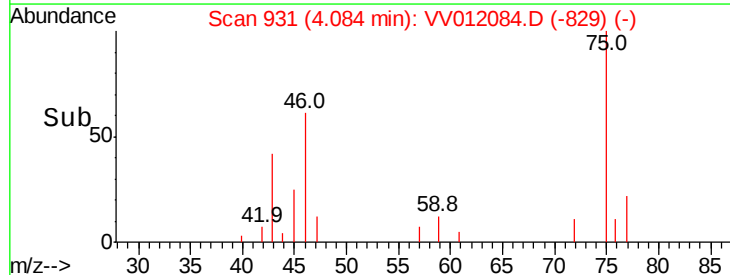
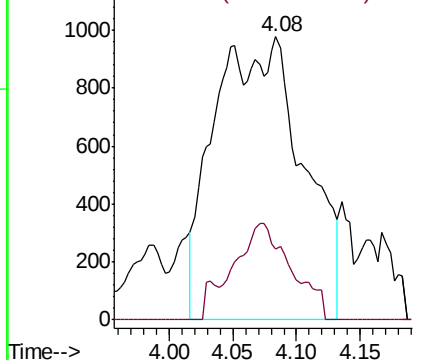


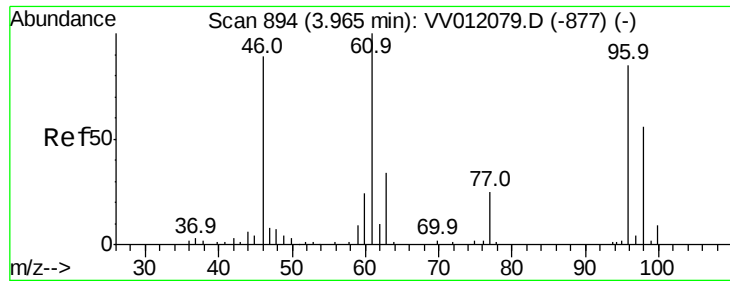
#21
 2-Butanone
 Concen: 3.369 ug/L m
 RT: 4.08 min Scan# 931
 Delta R.T. 0.03 min
 Lab File: VV012084.D
 Acq: 30 Jul 2019 21:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	2.0	14.0	42.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0





#22

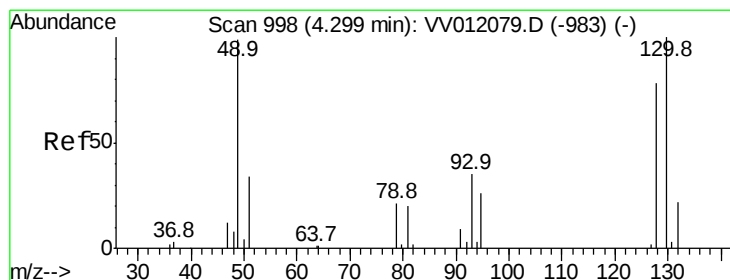
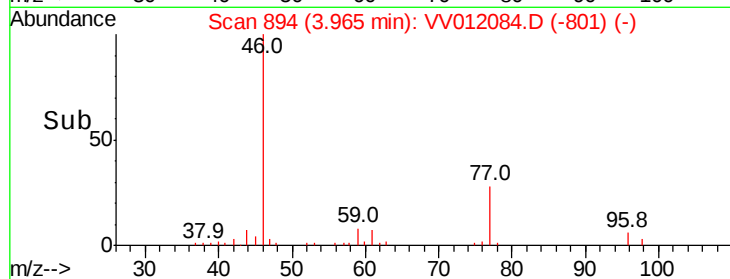
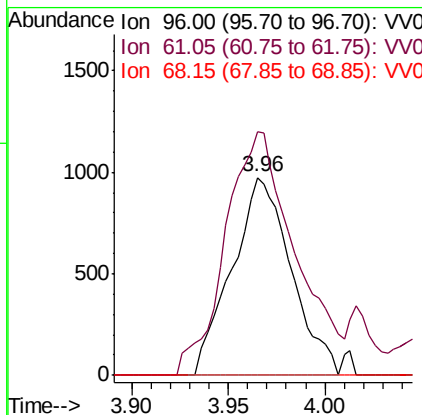
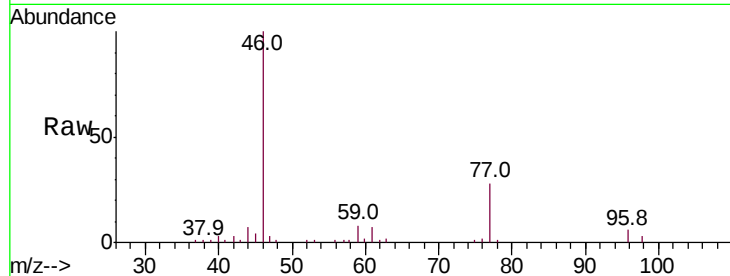
cis-1,2-Dichloroethene
 Concen: 0.277 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV012084.D
 Acq: 30 Jul 2019 21:51

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.2	81.5	151.5
68	0.0	0.0	0.0

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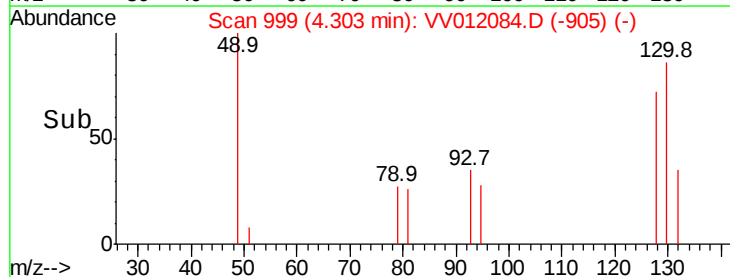
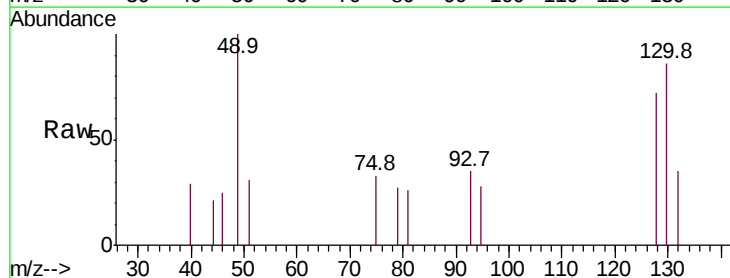
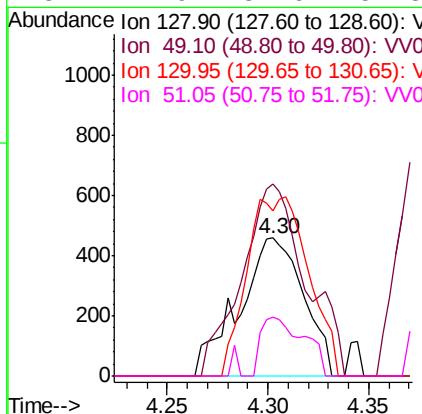
MMdadoda
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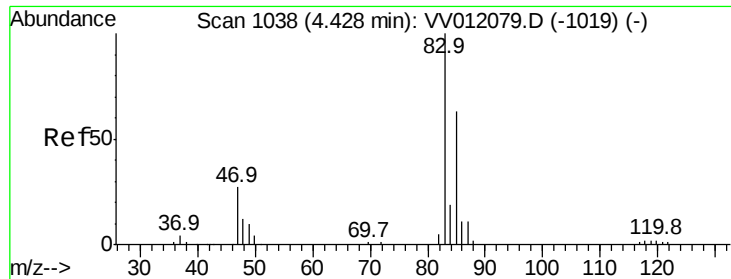


#23

Bromochloromethane
 Concen: 0.303 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV012084.D
 Acq: 30 Jul 2019 21:51

Tgt Ion	Ratio	Lower	Upper
128	100		
49	138.8	97.9	181.7
130	119.2	90.9	168.9
51	42.9	34.6	51.8





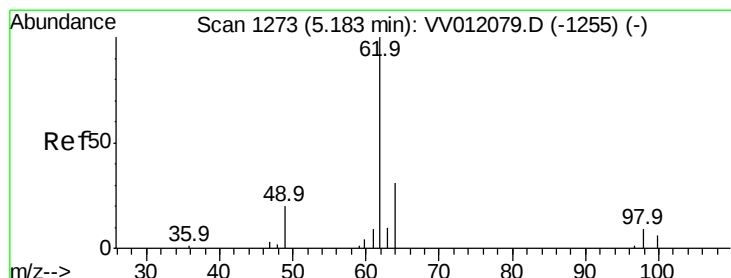
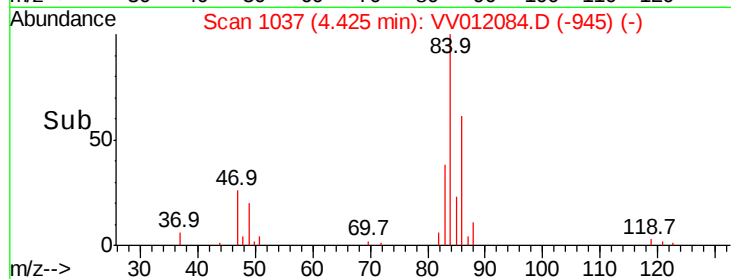
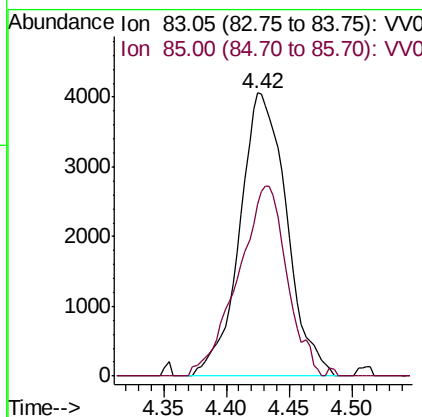
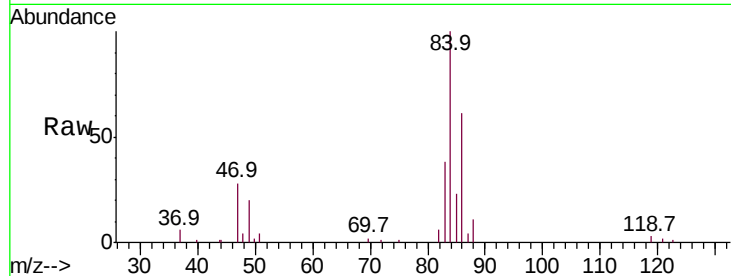
#25
Chloroform
Concen: 0.655 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion: 83 Resp: 10579
Ion Ratio Lower Upper
83 100
85 60.6 44.7 83.1

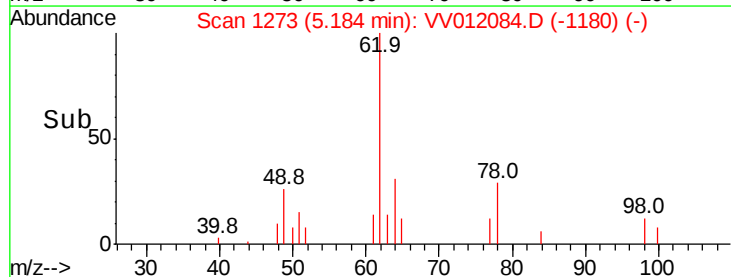
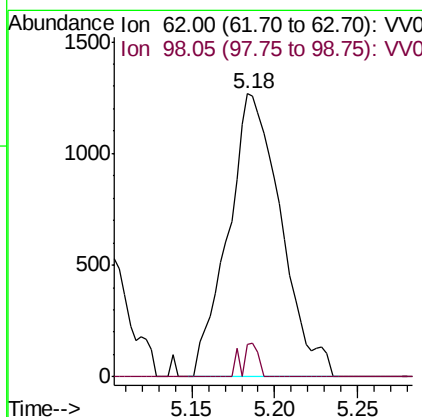
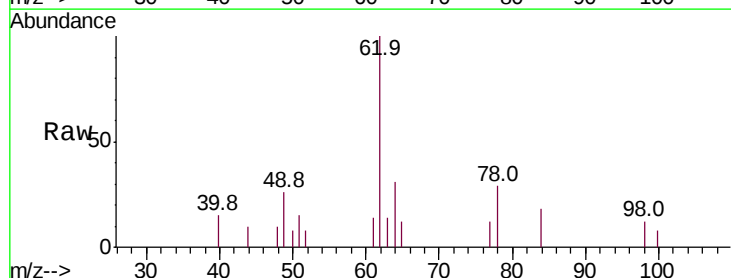
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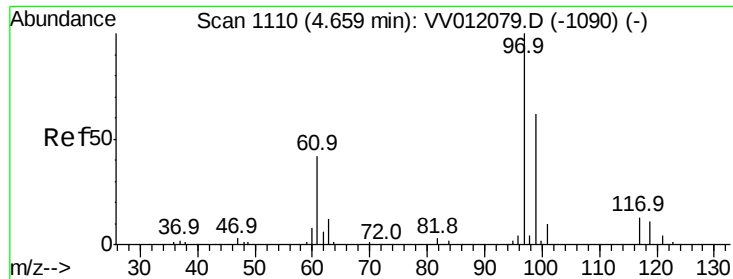
MMdadoda
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#27
1,2-Dichloroethane
Concen: 0.316 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Tgt Ion: 62 Resp: 2813
Ion Ratio Lower Upper
62 100
98 11.6 7.3 10.9#





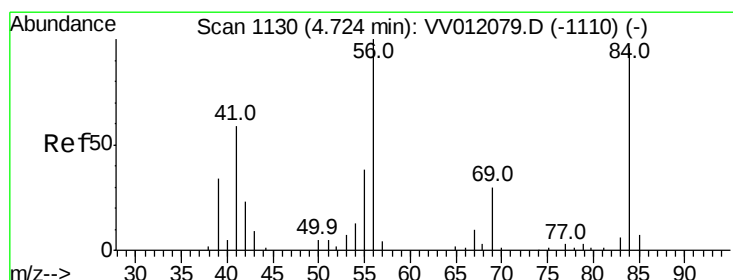
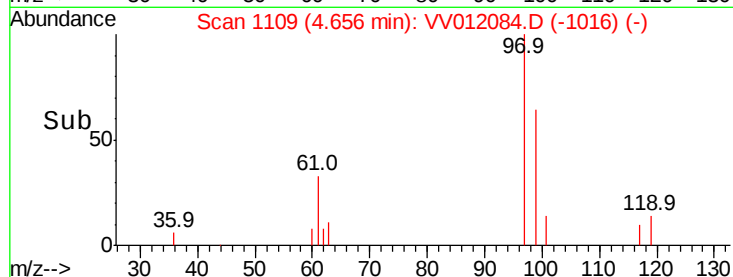
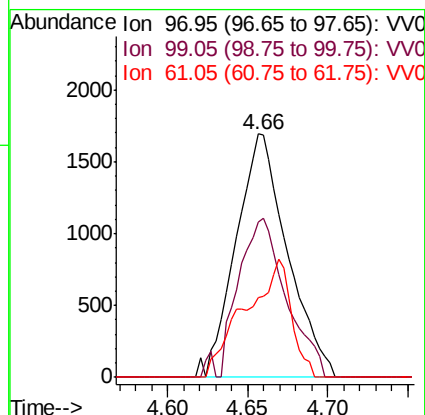
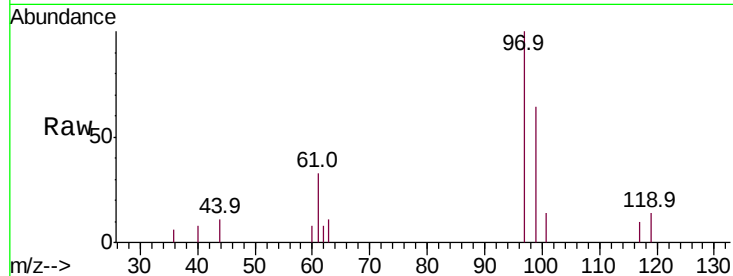
#29
1,1,1-Trichloroethane
Concen: 0.273 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
97	100		
99	60.3	51.7	77.5
61	43.4	34.2	51.2

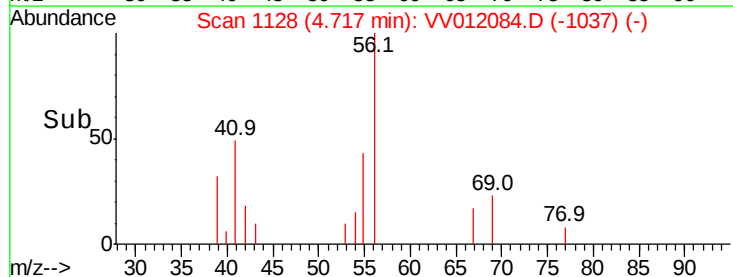
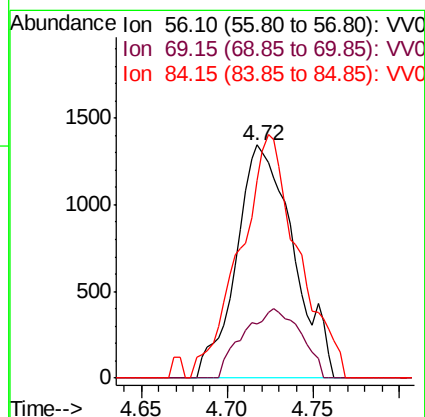
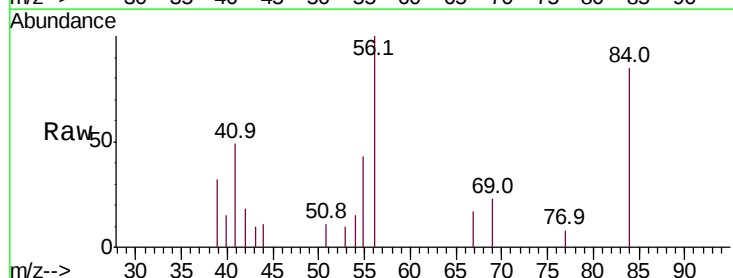
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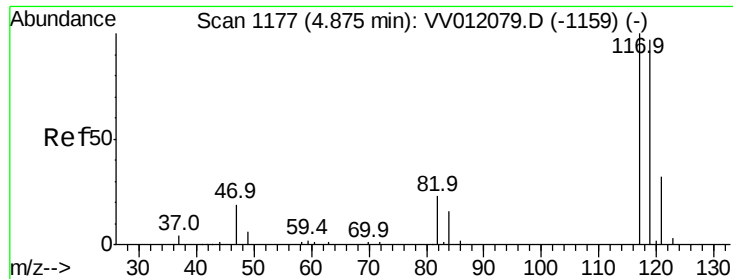
MMdadoda
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#30
Cyclohexane
Concen: 0.299 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.9	26.0	39.0
84	106.2	79.9	119.9





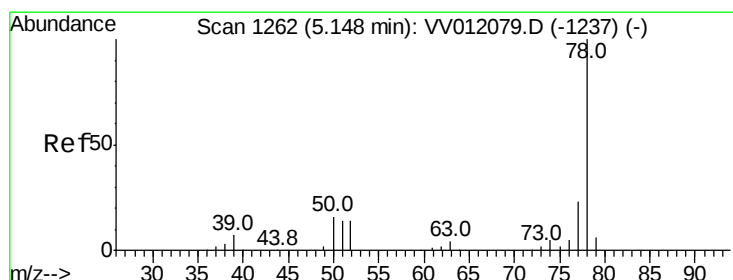
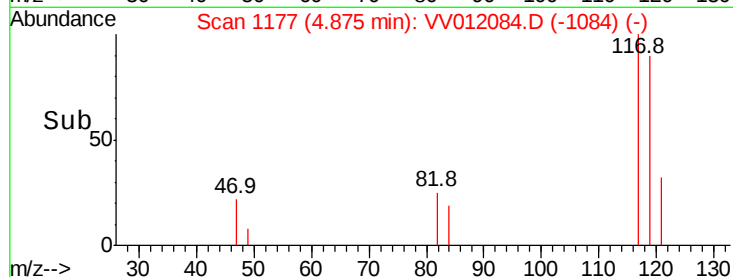
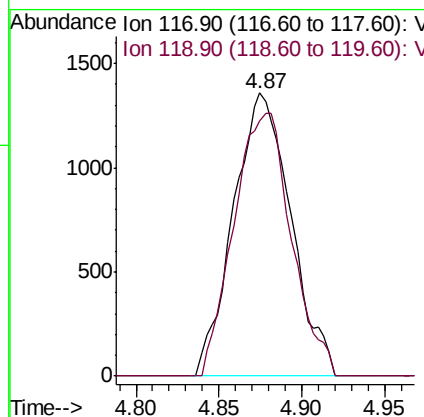
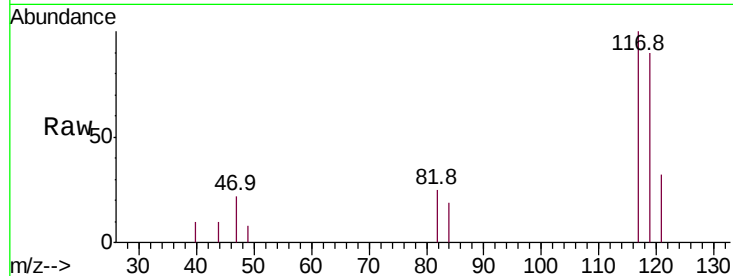
#31
Carbon tetrachloride
Concen: 0.267 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion:117 Resp: 3266
Ion Ratio Lower Upper
117 100
119 93.4 77.7 116.5

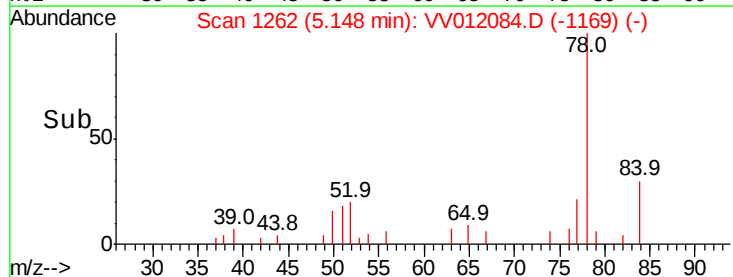
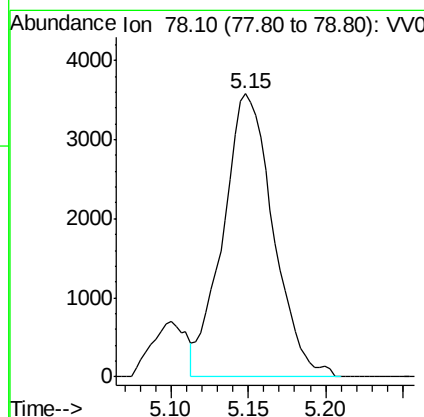
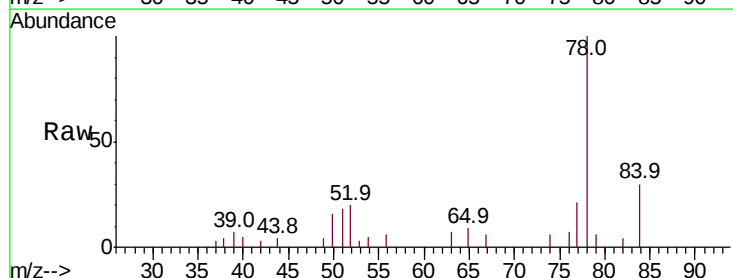
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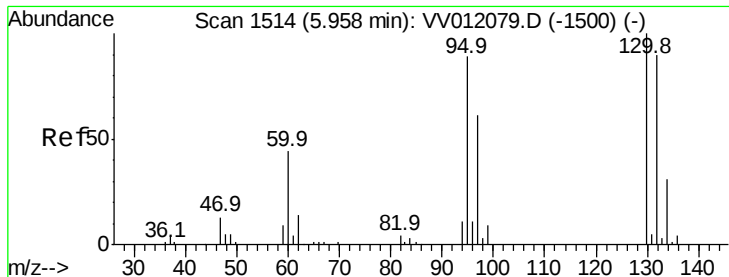
MMdadoda
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#33
Benzene
Concen: 0.291 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Tgt Ion: 78 Resp: 8075





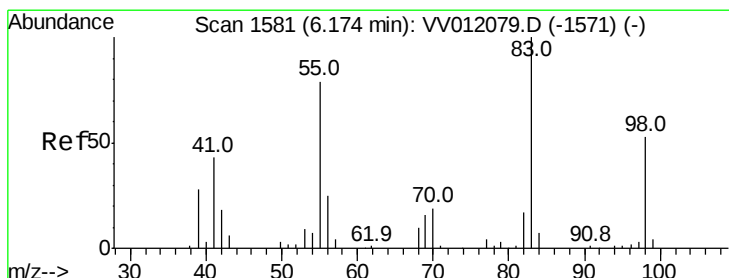
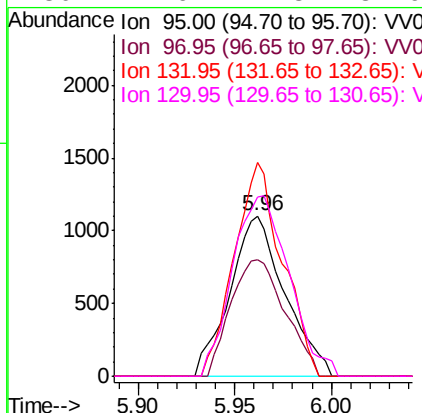
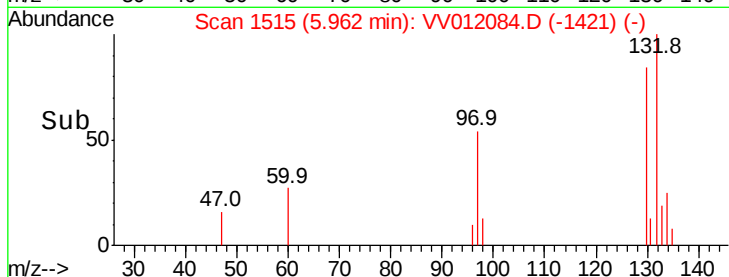
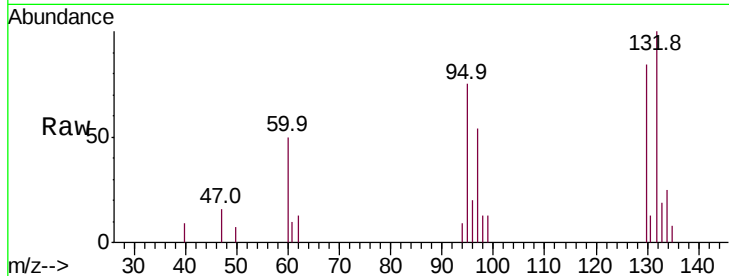
#34
 Trichloroethene
 Concen: 0.271 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV012084.D
 Acq: 30 Jul 2019 21:51

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
95	100		
97	72.5	45.4	84.2
132	133.5	67.0	124.4
130	111.6	74.3	137.9

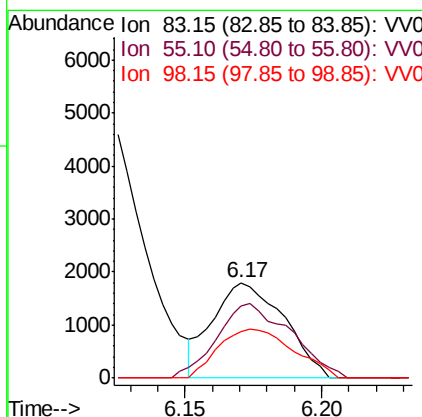
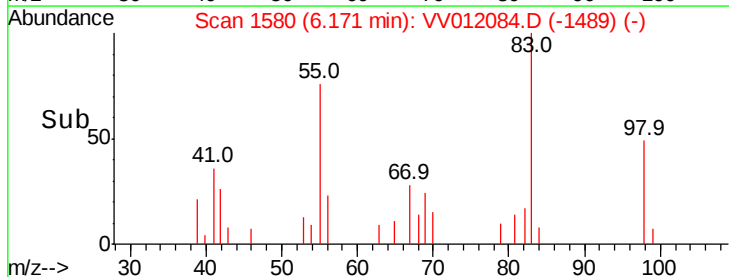
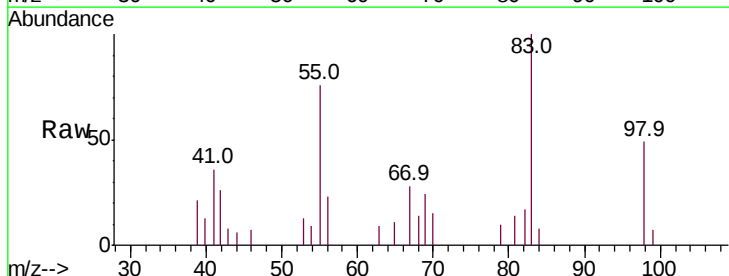
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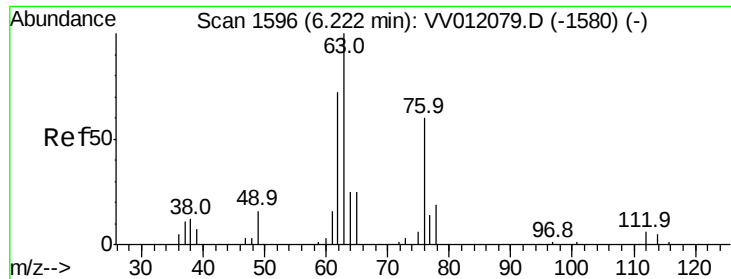
MMdadoda
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#35
 Methylcyclohexane
 Concen: 0.270 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VV012084.D
 Acq: 30 Jul 2019 21:51

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.8	59.9	89.9
98	54.0	40.8	61.2





#37

1,2-Dichloropropane

Concen: 0.289 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 63 Resp: 1855

Ion Ratio Lower Upper

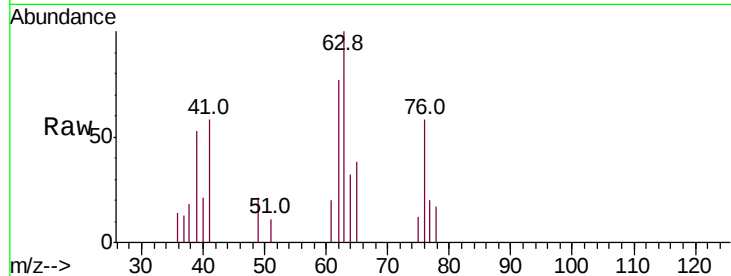
63 100

112 0.0 4.7 7.1#

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Abundance Ion 63.10 (62.80 to 63.80): VV012079.D (-1580) (-)

Ion 112.10 (111.80 to 112.80): VV012079.D (-1580) (-)

6.22

1000

800

600

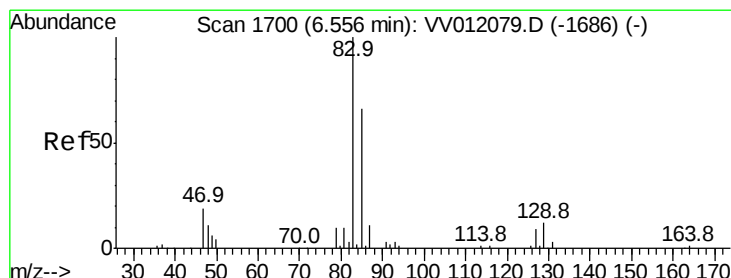
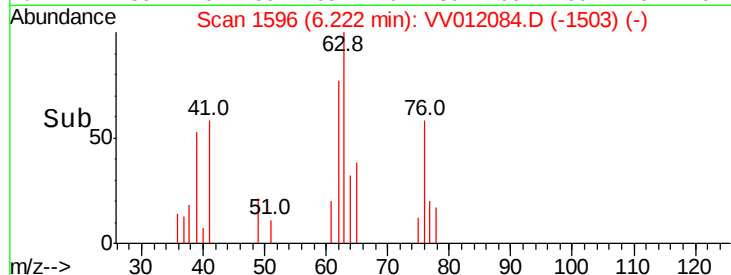
400

200

0

6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 0.305 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

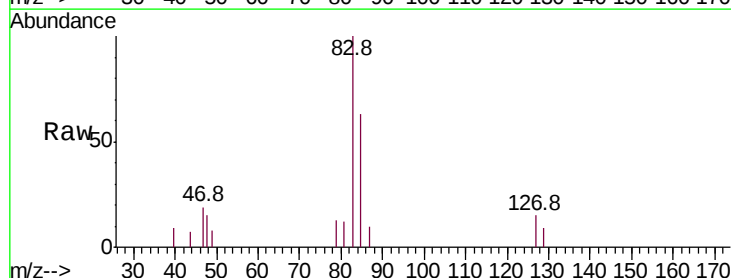
Tgt Ion: 83 Resp: 2875

Ion Ratio Lower Upper

83 100

85 63.0 46.2 85.8

127 14.5 7.2 10.8#



Abundance Ion 82.95 (82.65 to 83.65): VV012079.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV012079.D (-1686) (-)

Ion 126.90 (126.60 to 127.60): VV012079.D (-1686) (-)

2000

1500

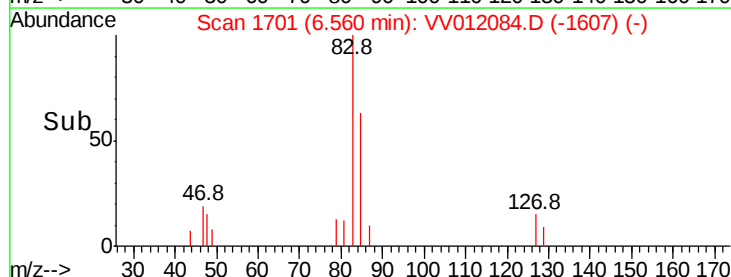
1000

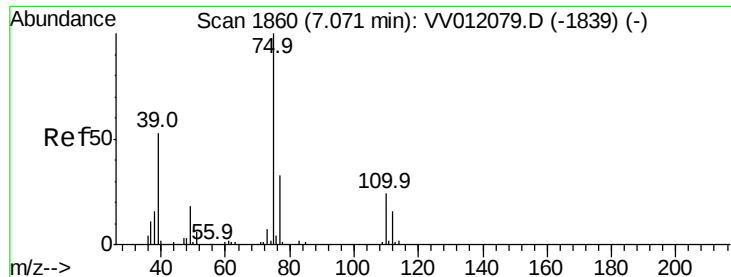
500

0

6.50 6.55 6.60

Time-->





#39

cis-1,3-Dichloropropene

Concen: 0.249 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Instrument :
MSVOA_V

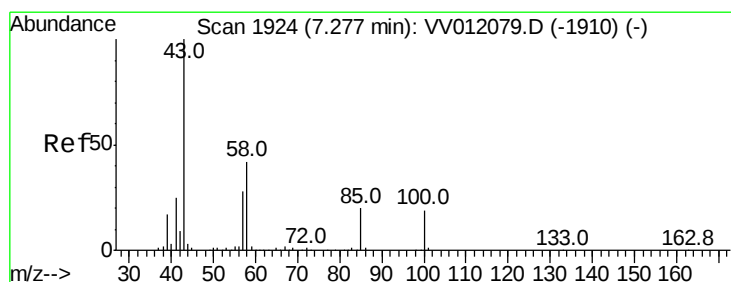
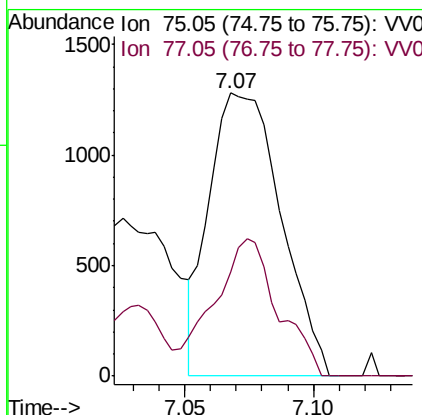
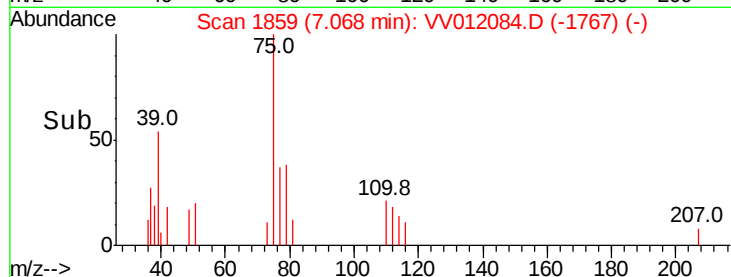
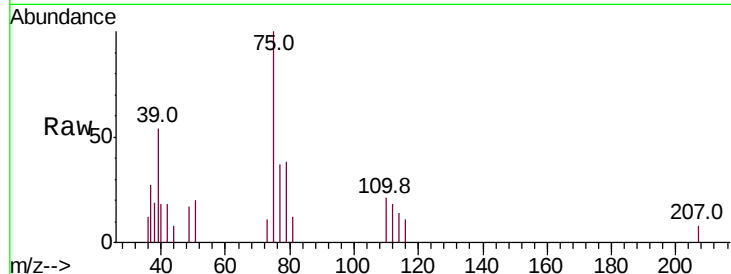
ClientSampled :
MDL01

Tot Ion: 75 Resp: 2486

Ion	Ratio	Lower	Upper
75	100		
77	36.9	21.3	39.5

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#40

4-Methyl-2-pentanone

Concen: 2.641 ug/L

RT: 7.28 min Scan# 1926

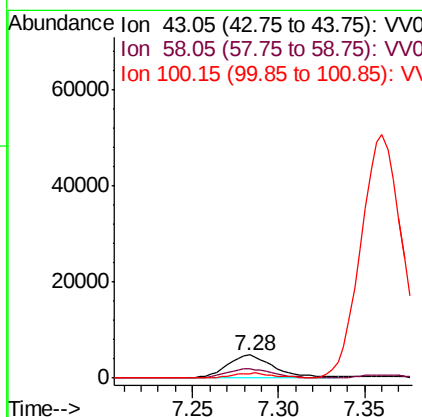
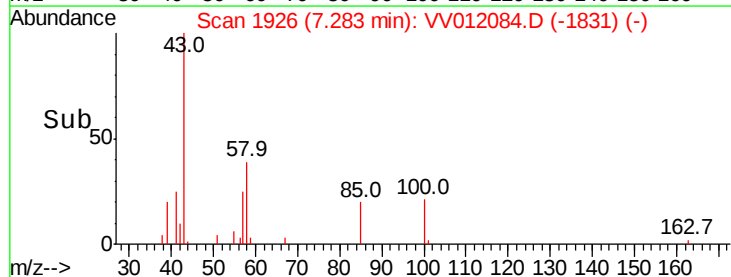
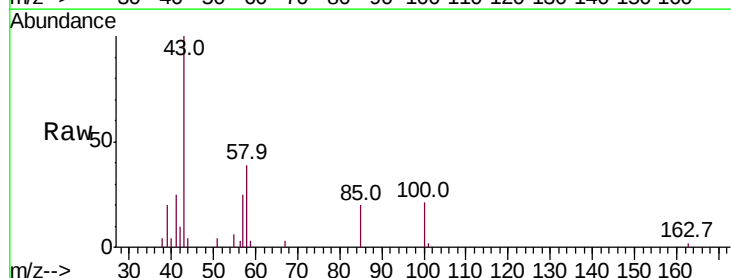
Delta R.T. 0.01 min

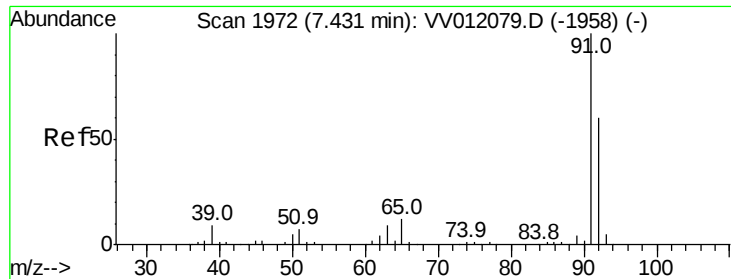
Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Tgt Ion: 43 Resp: 9238

Ion	Ratio	Lower	Upper
43	100		
58	38.7	31.8	47.6
100	0.0	15.0	22.4#





#42

Toluene

Concen: 0.292 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion: 91 Resp: 8871

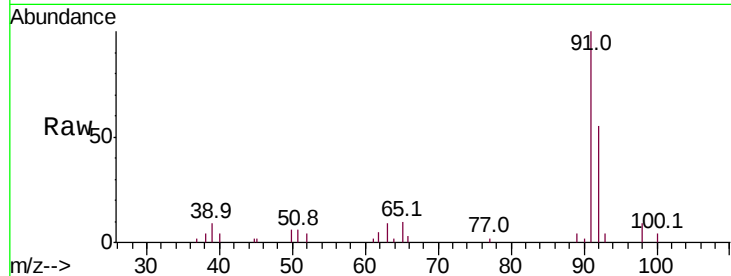
Ion Ratio Lower Upper

91 100

92 55.5 41.6 77.2

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Abundance Ion 91.15 (90.85 to 91.85): VV012079.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV012079.D (-1958) (-)

7.43

6000

5000

4000

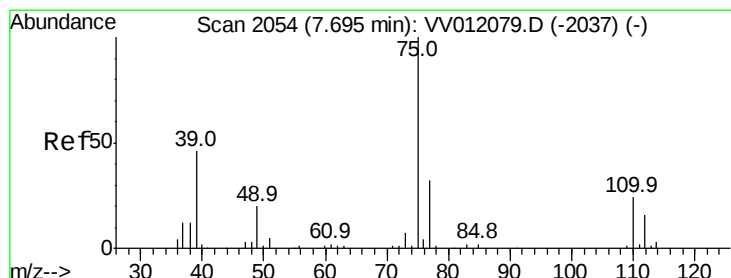
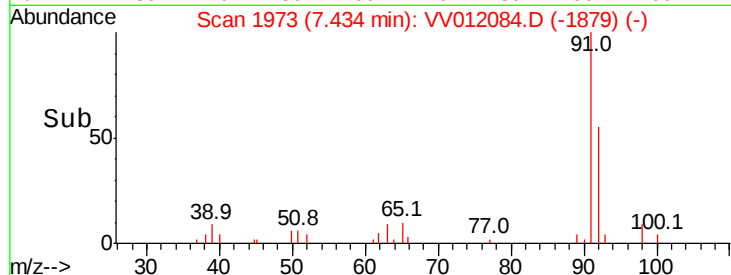
3000

2000

1000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.288 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012084.D

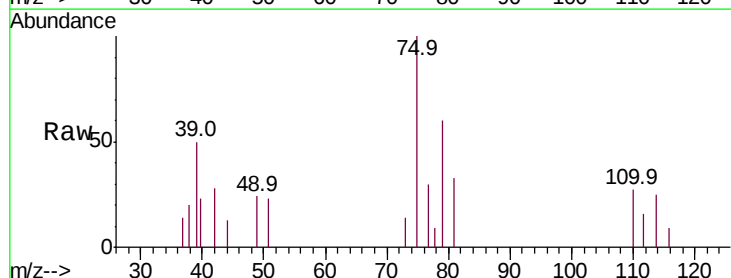
Acq: 30 Jul 2019 21:51

Tgt Ion: 75 Resp: 2323

Ion Ratio Lower Upper

75 100

77 30.3 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV012079.D (-2037) (-)

Ion 77.05 (76.75 to 77.75): VV012079.D (-2037) (-)

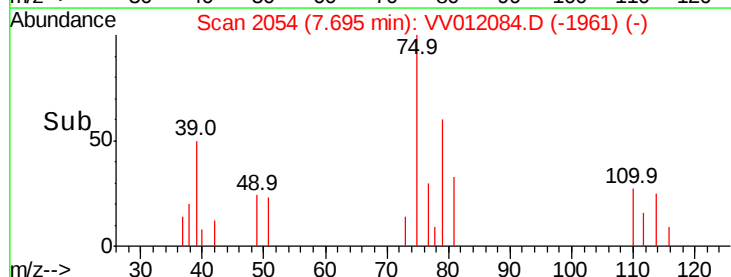
7.69

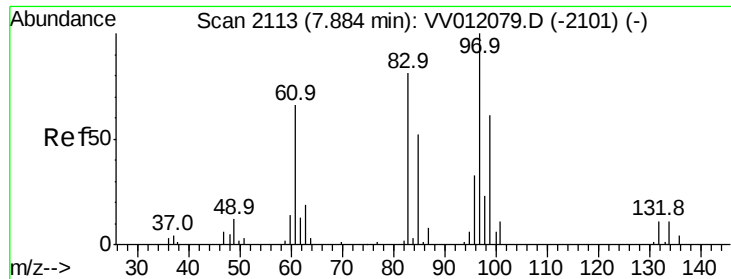
1000

500

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 0.290 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 97 Resp: 1388

Ion Ratio Lower Upper

97 100

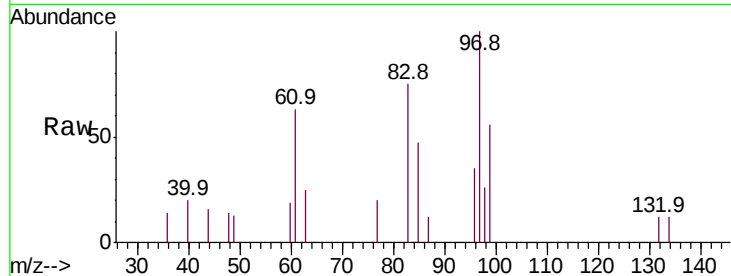
99 55.7 43.3 80.3

83 74.5 56.6 105.0

85 47.5 35.8 66.6

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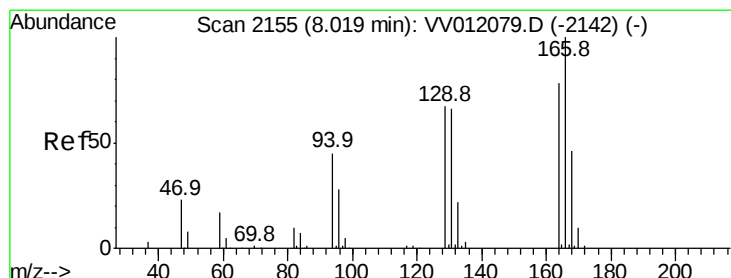
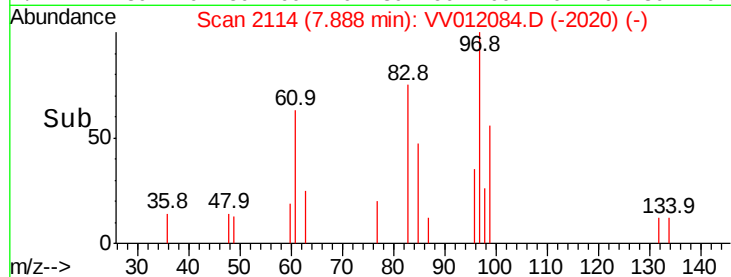
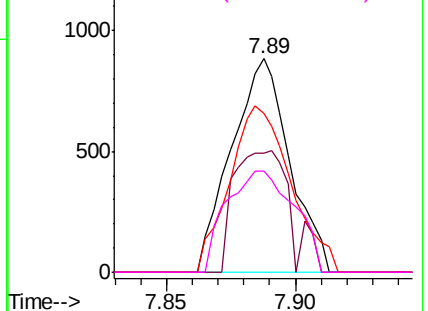


Abundance Ion 96.95 (96.65 to 97.65): VV012079.D (-2101) (-)

Ion 99.05 (98.75 to 99.75): VV012079.D (-2101) (-)

Ion 82.95 (82.65 to 83.65): VV012079.D (-2101) (-)

Ion 85.00 (84.70 to 85.70): VV012079.D (-2101) (-)



#47

Tetrachloroethene

Concen: 0.292 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Tgt Ion: 164 Resp: 2125

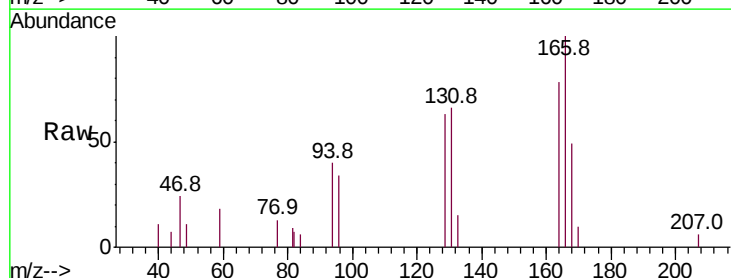
Ion Ratio Lower Upper

164 100

129 81.0 62.5 116.1

131 84.2 60.9 113.1

166 128.5 90.4 168.0

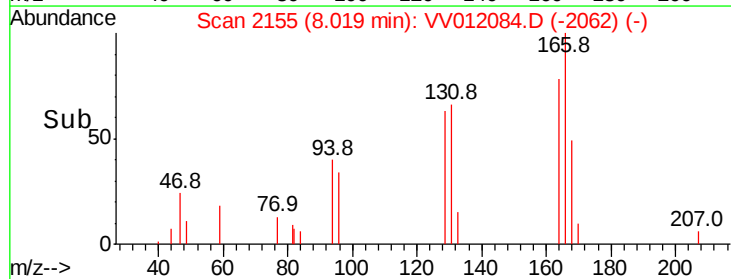
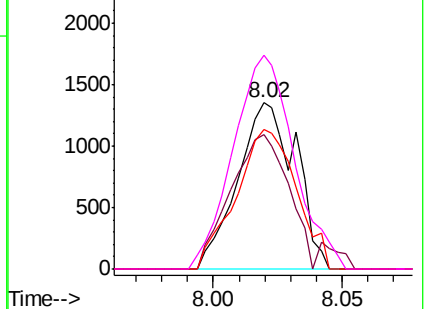


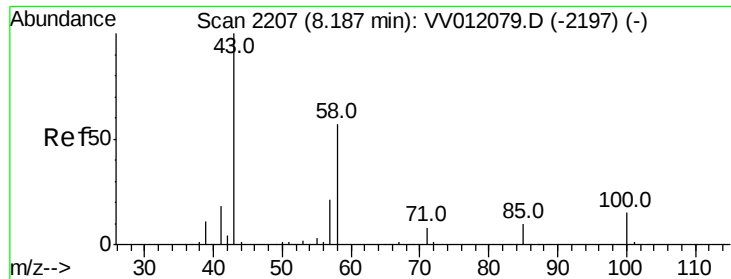
Abundance Ion 163.90 (163.60 to 164.60): VV012079.D (-2142) (-)

Ion 128.95 (128.65 to 129.65): VV012079.D (-2142) (-)

Ion 130.95 (130.65 to 131.65): VV012079.D (-2142) (-)

Ion 165.90 (165.60 to 166.60): VV012079.D (-2142) (-)





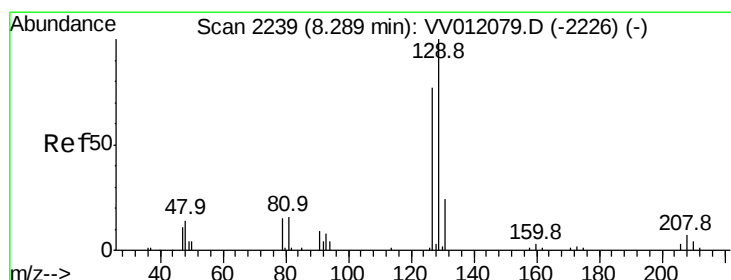
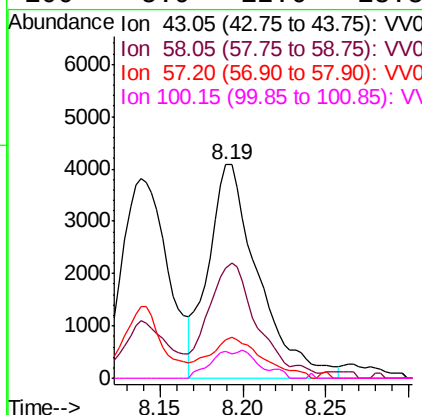
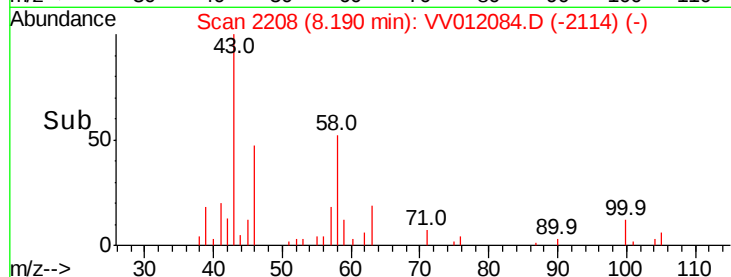
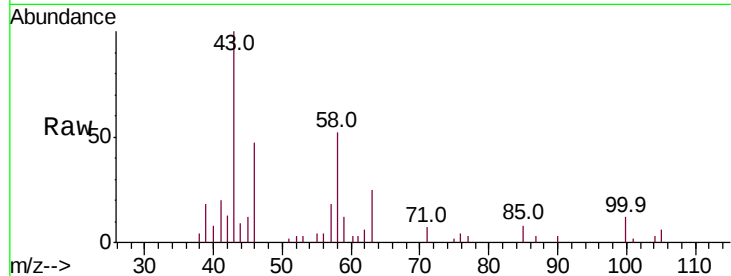
#48
2-Hexanone
Concen: 3.514 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	45.7	68.5
57	20.5	17.0	25.4
100	5.9	12.6	18.8

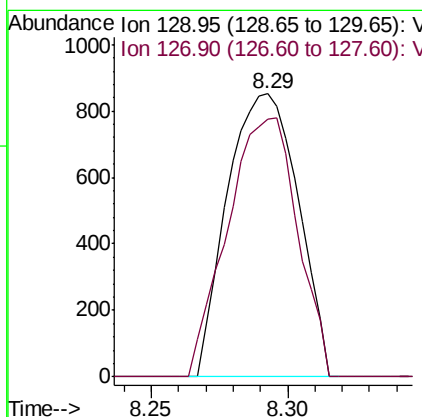
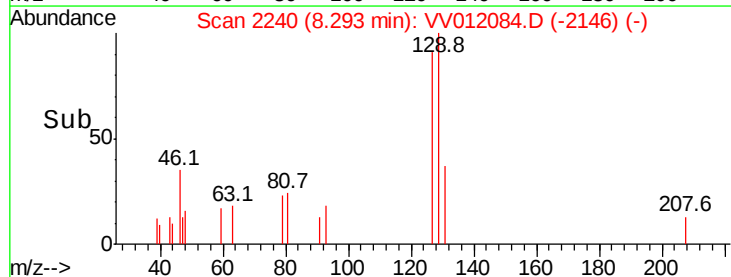
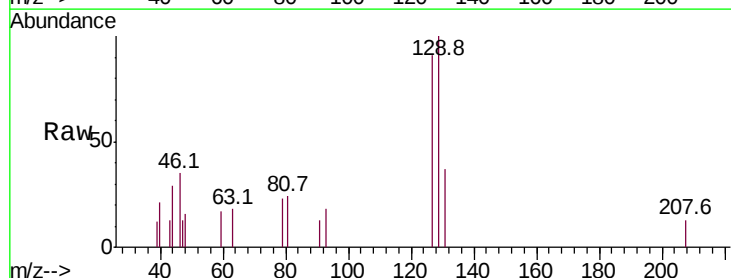
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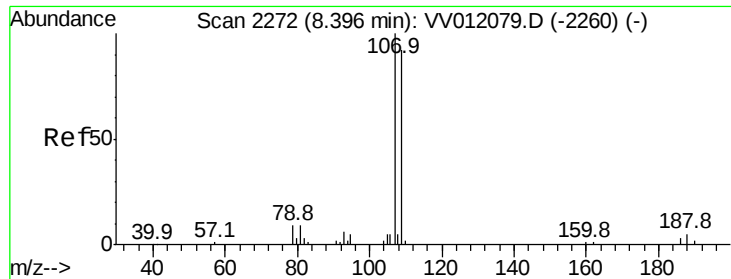
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#49
Dibromochloromethane
Concen: 0.247 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	91.1	52.8	98.2





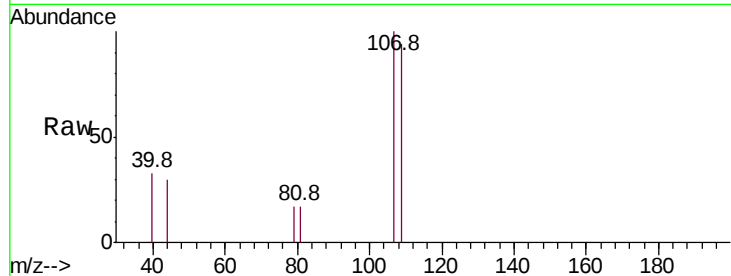
#50
1,2-Dibromoethane
Concen: 0.254 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Instrument :
MSVOA_V
ClientSampleId :
MDL01

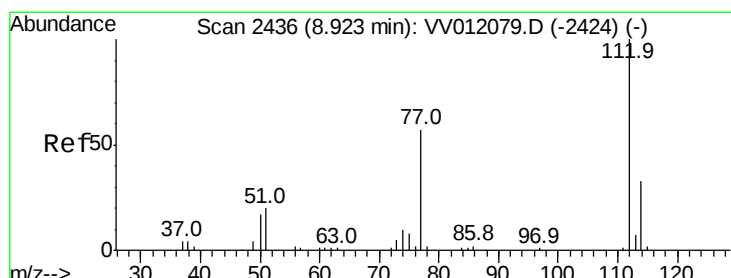
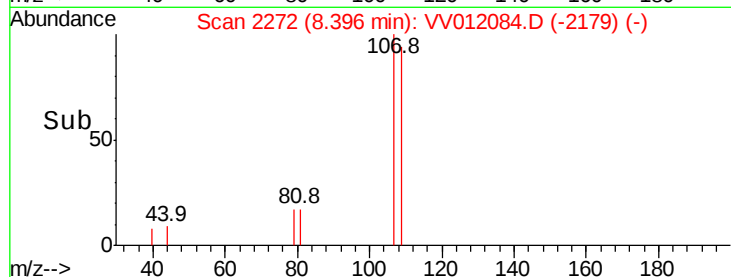
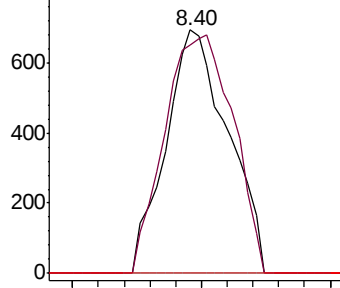
Tot Ion	Ratio	Resp	Lower	Upper
107	100	1167		
109	93.9	64.7	120.1	
188	0.0	3.4	5.0#	

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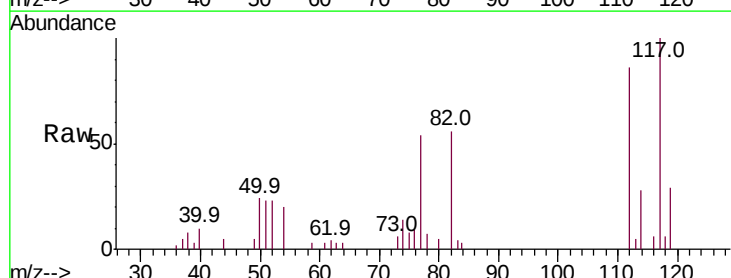


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

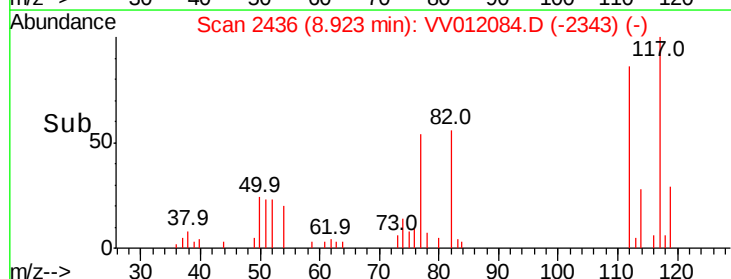
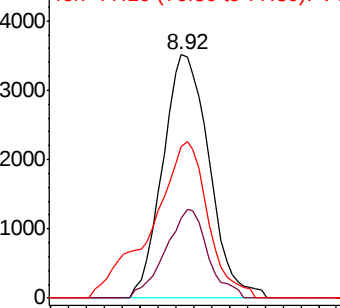


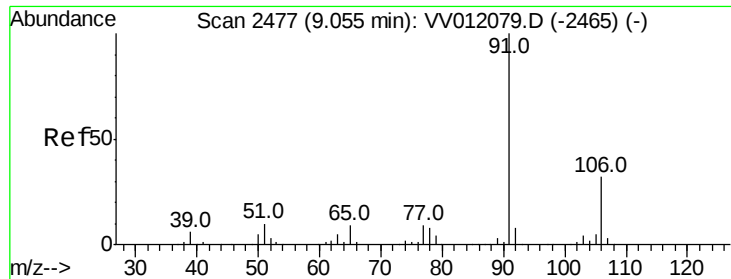
#51
Chlorobenzene
Concen: 0.309 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	6363		
114	32.5	22.4	41.6	
77	62.4	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: 0.273 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 91 Resp: 9565

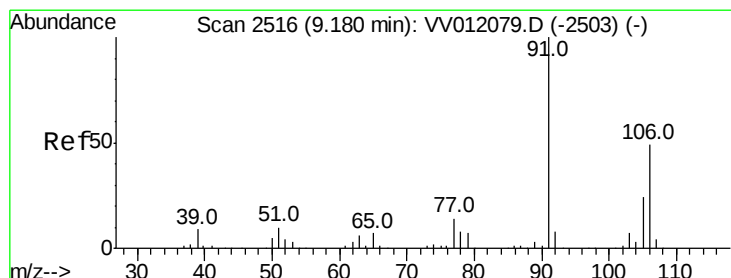
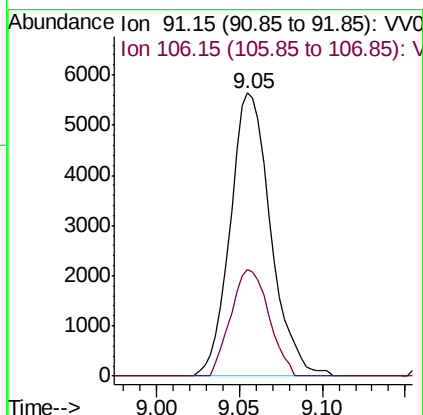
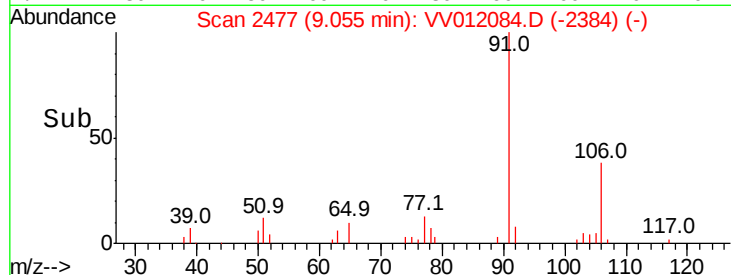
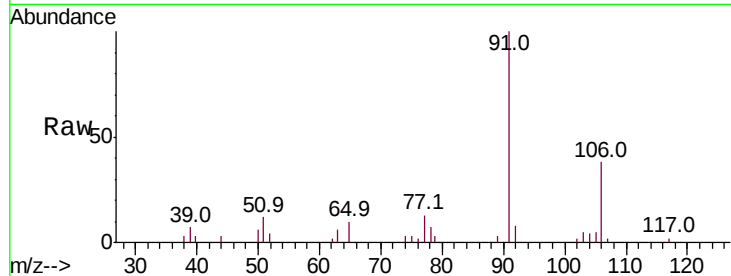
Ion Ratio Lower Upper

91 100

106 37.7 21.6 40.0

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#53

m,p-xylene

Concen: 0.260 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012084.D

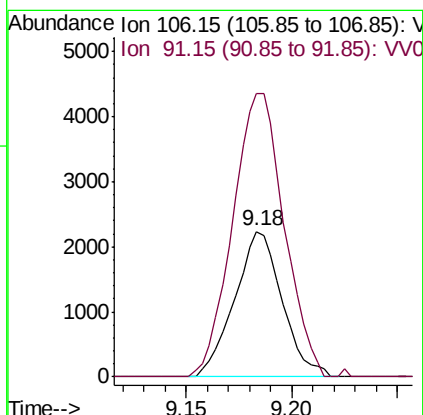
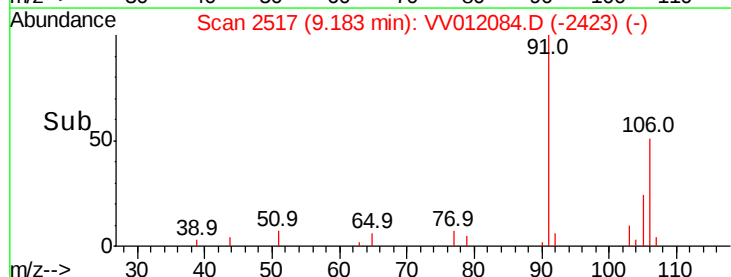
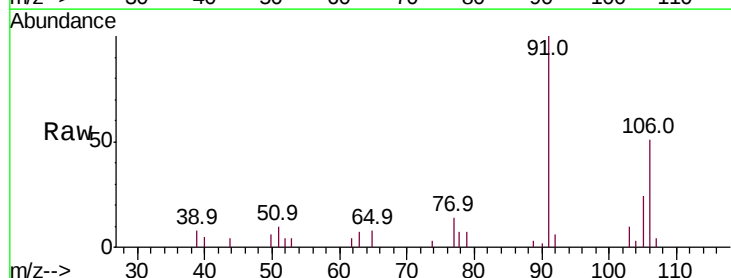
Acq: 30 Jul 2019 21:51

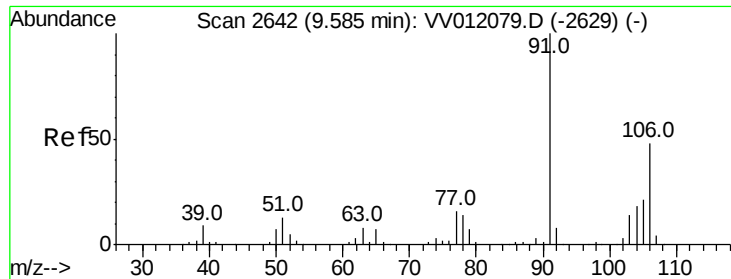
Tgt Ion: 106 Resp: 3496

Ion Ratio Lower Upper

106 100

91 194.5 148.7 276.3





#54

o-xylene

Concen: 0.274 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion:106 Resp: 3531

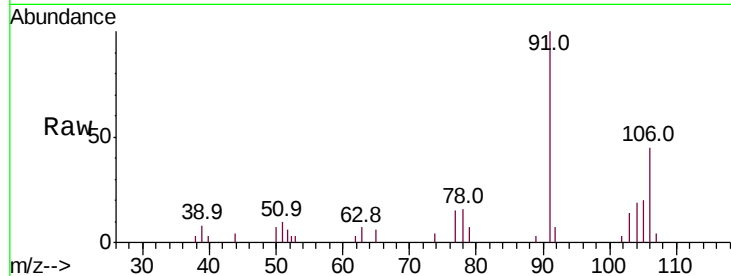
Ion Ratio Lower Upper

106 100

91 223.4 147.7 274.3

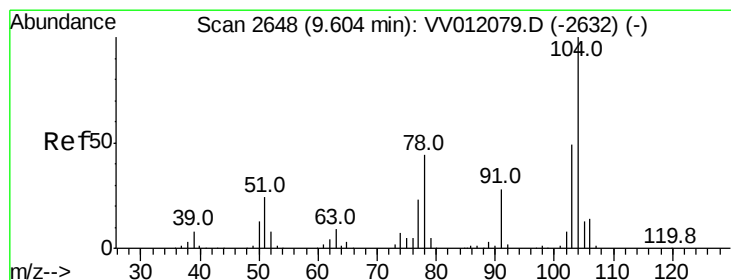
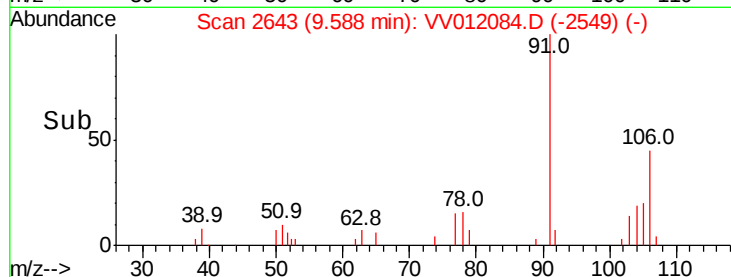
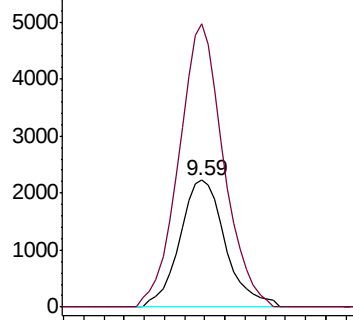
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.267 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012084.D

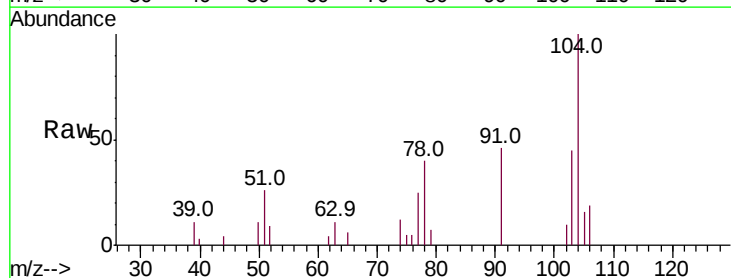
Acq: 30 Jul 2019 21:51

Tgt Ion:104 Resp: 5818

Ion Ratio Lower Upper

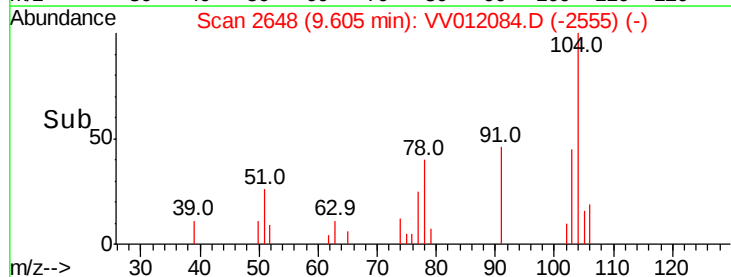
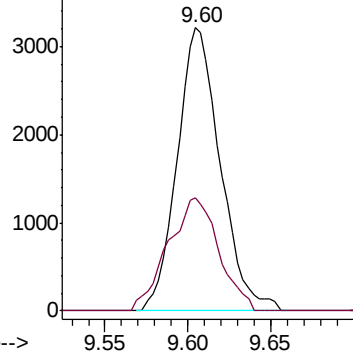
104 100

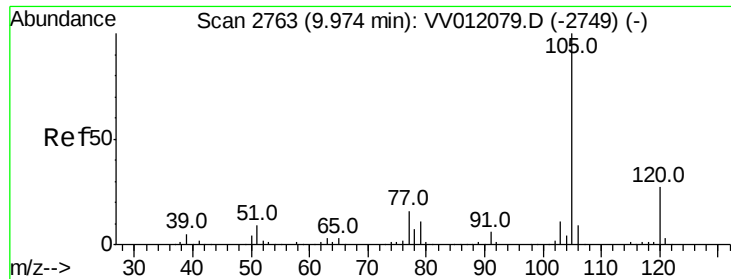
78 39.8 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





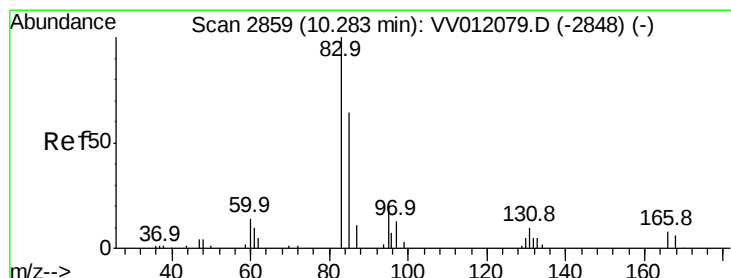
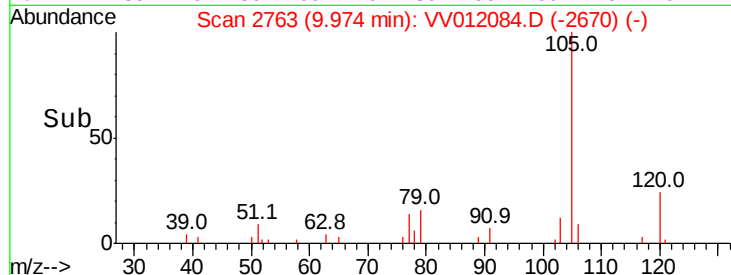
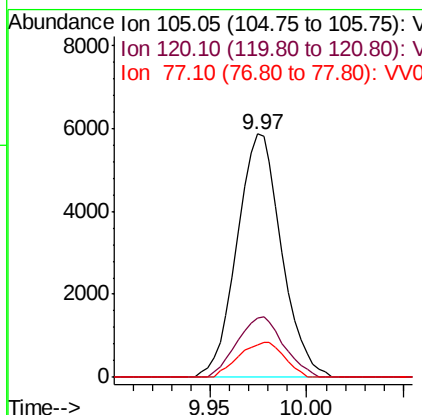
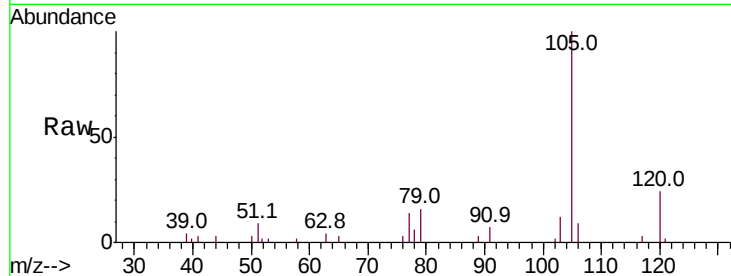
#56
Isopropylbenzene
Concen: 0.263 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.8	32.8
77	14.6	12.7	19.1

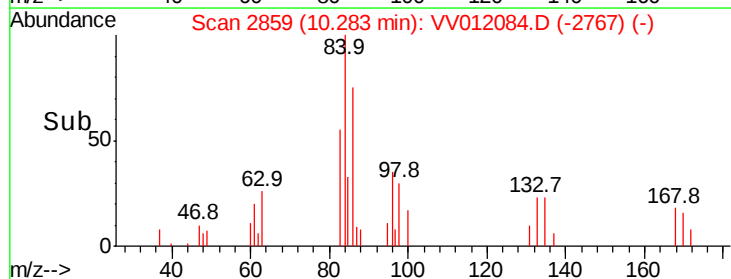
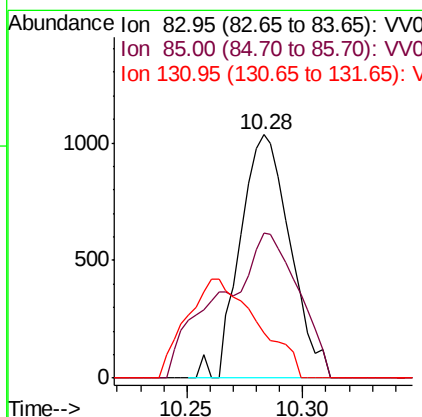
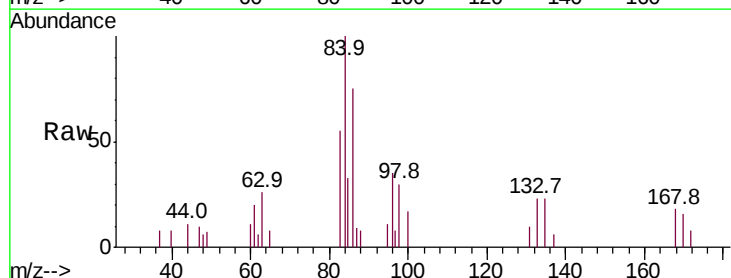
Manual Integrations
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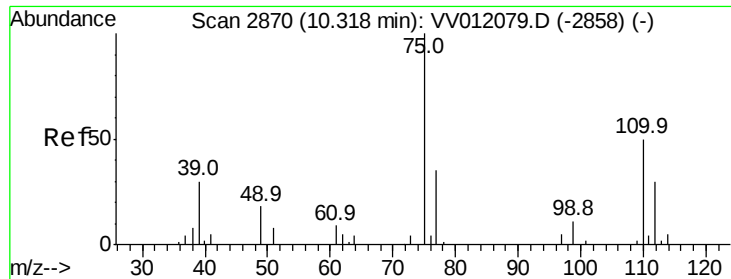
MMdadoda
8/1/2019 9:58:11 AM



#58
1,1,2,2-Tetrachloroethane
Concen: 0.292 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VV012084.D
Acq: 30 Jul 2019 21:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.5	45.1	83.7
131	18.4	10.3	15.5#





#59

1,2,3-Trichloropropane

Concen: 0.266 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tot Ion: 75 Resp: 1064

Ion Ratio Lower Upper

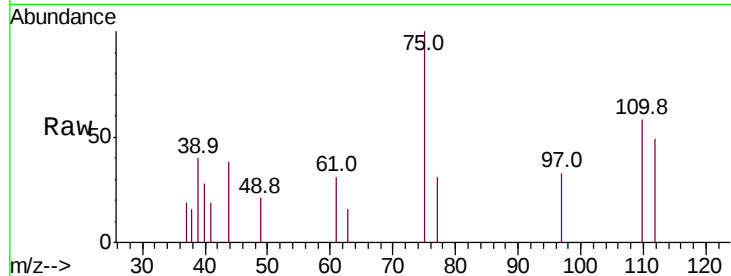
75 100

77 28.0 26.9 40.3

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

Ion 77.00 (76.70 to 77.70): VV012079.D (-2858) (-)

10.32

600

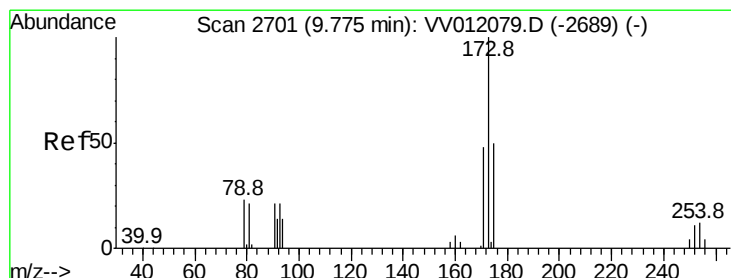
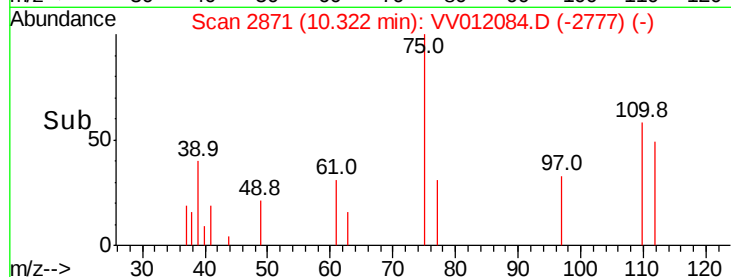
400

200

0

10.30 10.35

Time-->



#61

Bromoform

Concen: 0.365 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

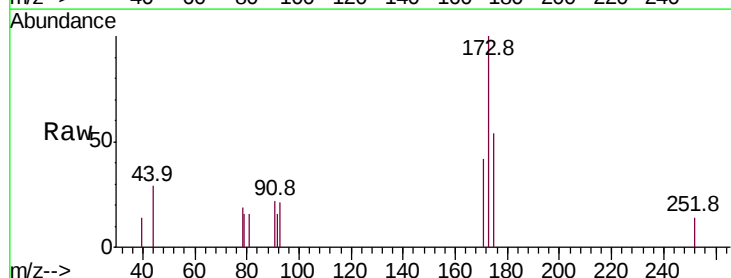
Tgt Ion: 173 Resp: 1145

Ion Ratio Lower Upper

173 100

175 48.0 39.4 59.2

254 0.0 8.7 13.1#



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

Ion 174.90 (174.60 to 175.60): VV012079.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV012079.D (-2689) (-)

1000

800

600

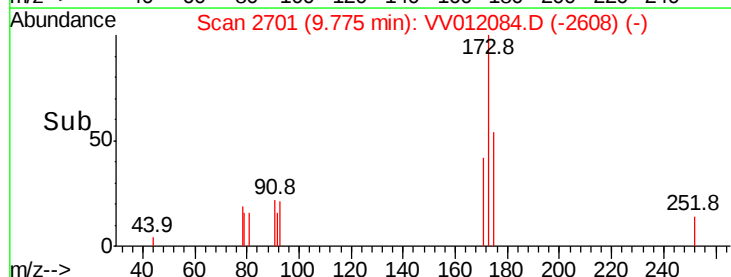
400

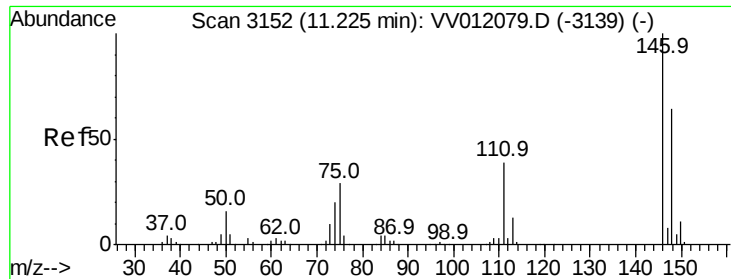
200

0

9.75 9.80

Time-->





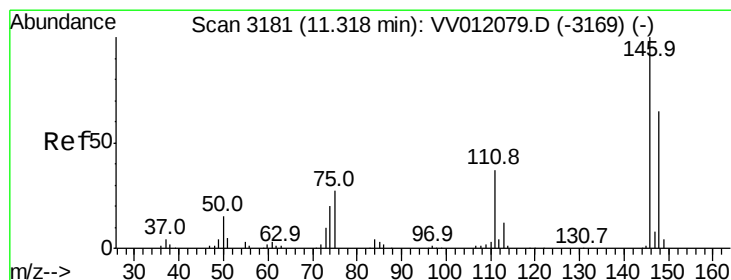
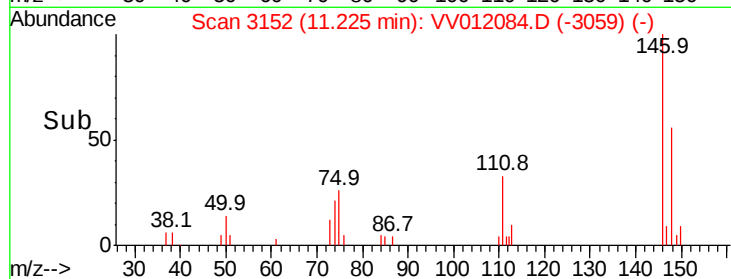
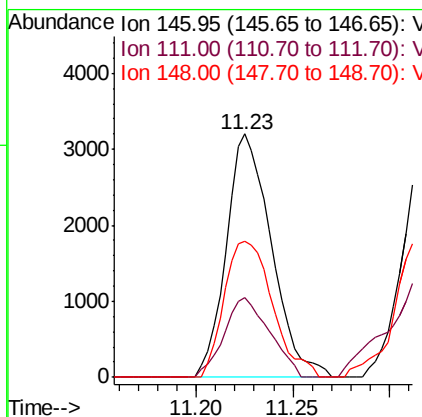
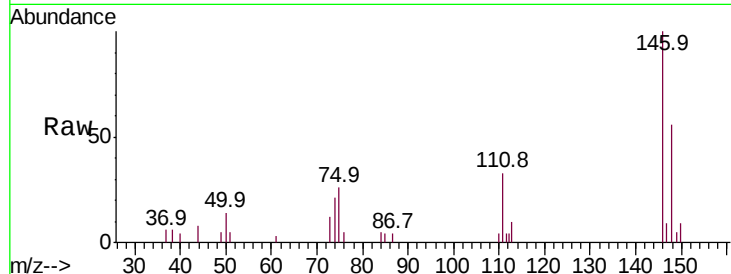
#62
 1,3-Dichlorobenzene
 Concen: 0.318 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012084.D
 Acq: 30 Jul 2019 21:51

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	27.2	50.6
148	55.8	45.9	85.3

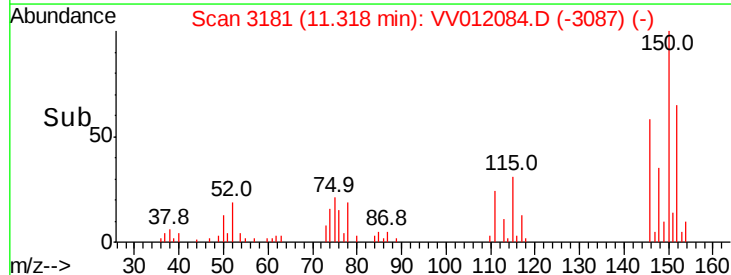
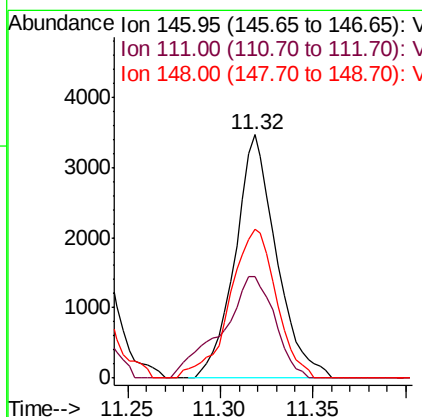
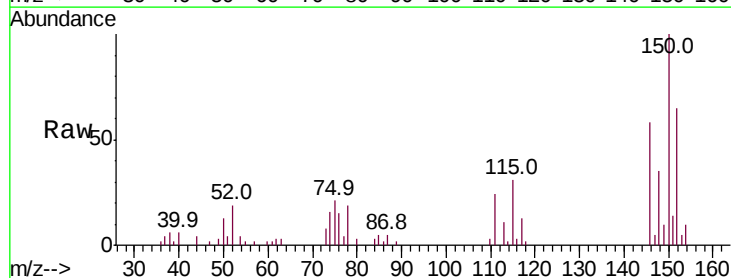
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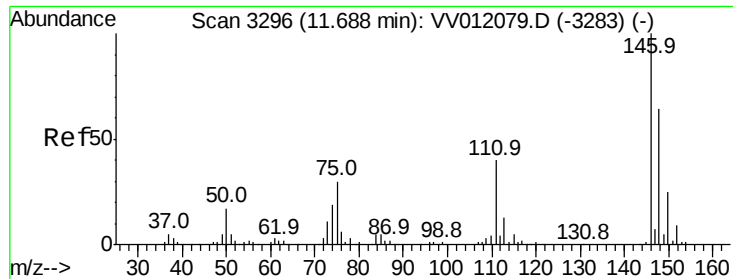
MMdadoda
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#63
 1,4-Dichlorobenzene
 Concen: 0.322 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012084.D
 Acq: 30 Jul 2019 21:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	25.4	47.2
148	61.2	43.5	80.7





#65

1,2-Dichlorobenzene

Concen: 0.317 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Instrument :

MSVOA_V

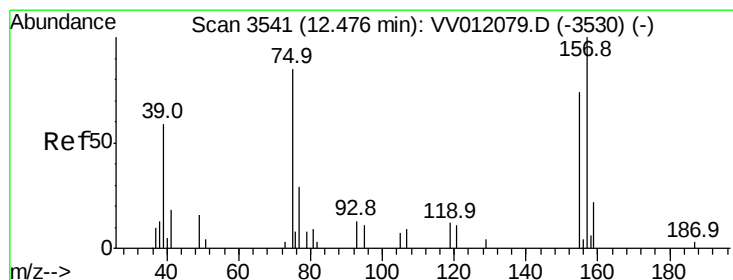
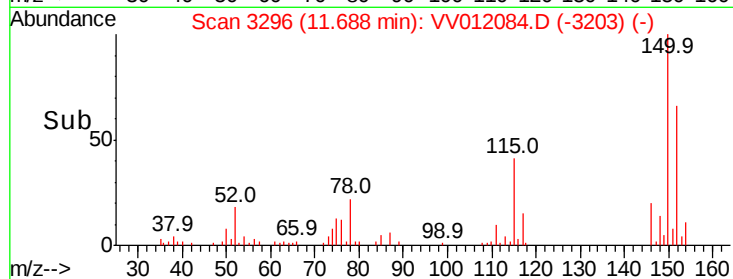
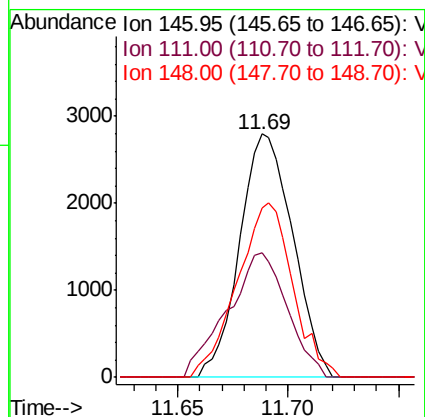
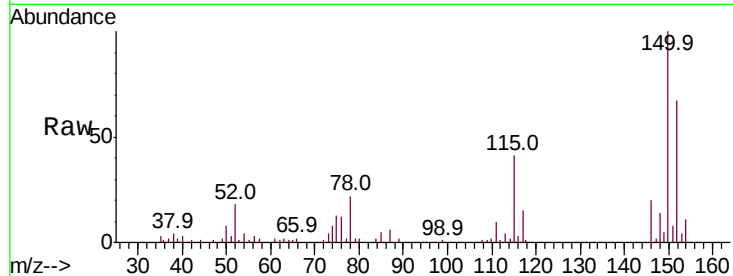
ClientSampleId :

MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.0	32.3	48.5#
148	69.5	49.9	74.9

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#66

1,2-Dibromo-3-chloropropane

Concen: 0.253 ug/L

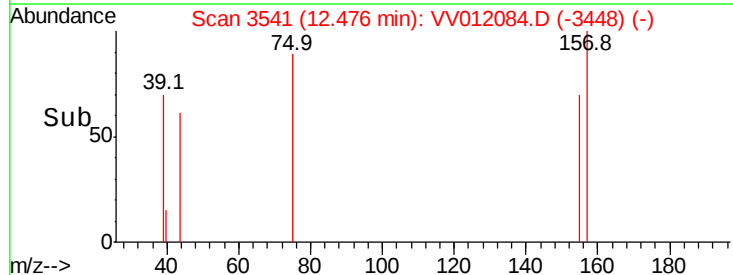
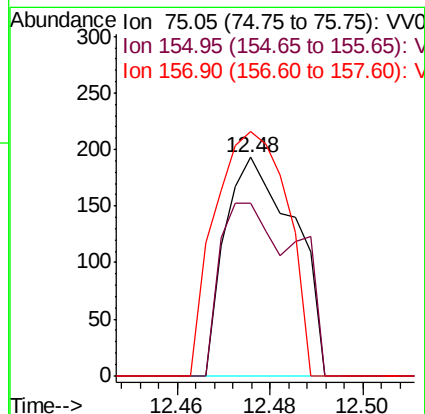
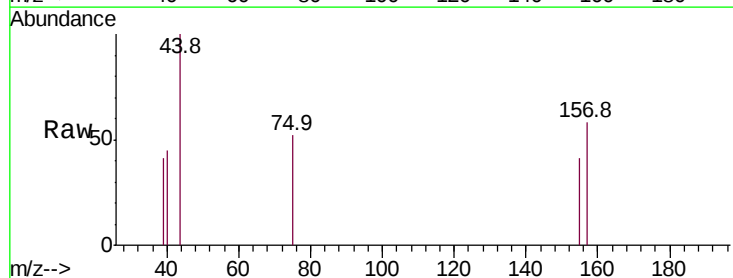
RT: 12.48 min Scan# 3541

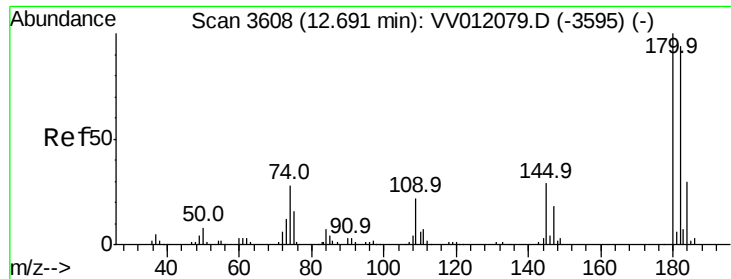
Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.8	66.9	100.3
157	111.9	81.8	122.6





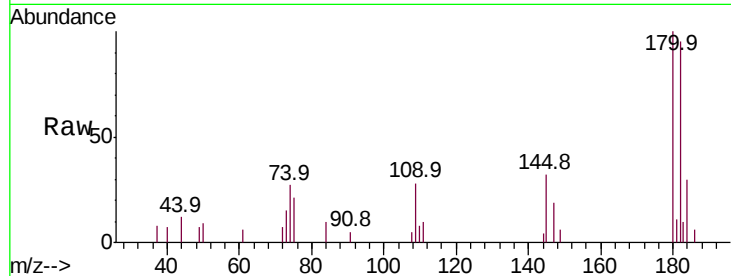
#67
 1,3,5-Trichlorobenzene
 Concen: 0.308 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012084.D
 Acq: 30 Jul 2019 21:51

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion:180	Resp:	4111
Ion Ratio	Lower	Upper
180	100	
182	94.1	76.6 115.0
184	26.6	23.8 35.8
145	32.5	22.6 33.8

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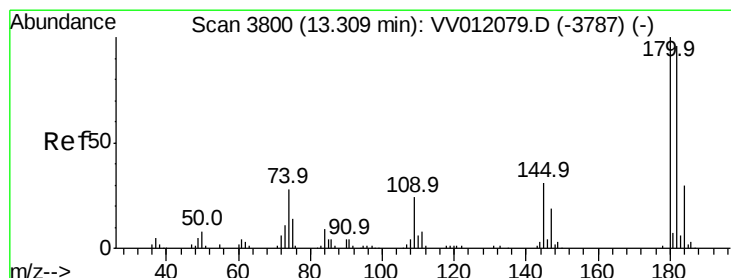
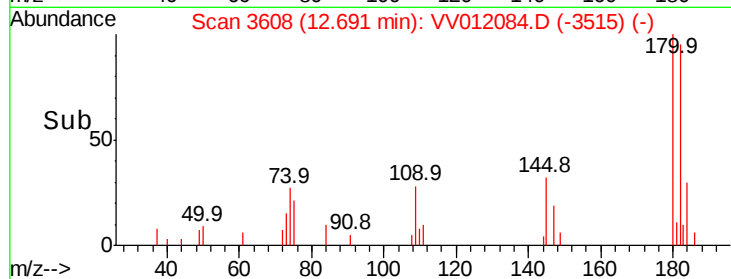
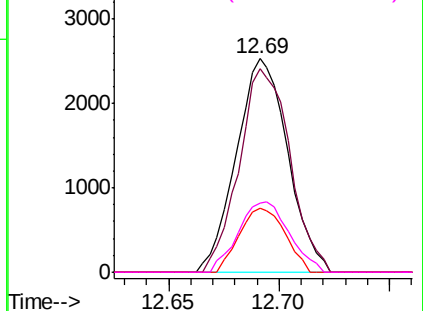
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

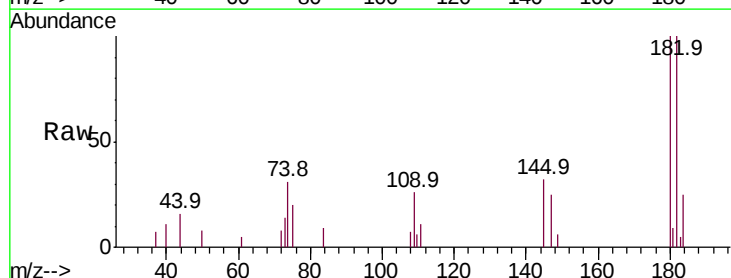
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.290 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012084.D
 Acq: 30 Jul 2019 21:51

Tgt Ion:180	Resp:	3128
Ion Ratio	Lower	Upper
180	100	
182	96.2	75.4 113.0
145	32.1	23.5 35.3

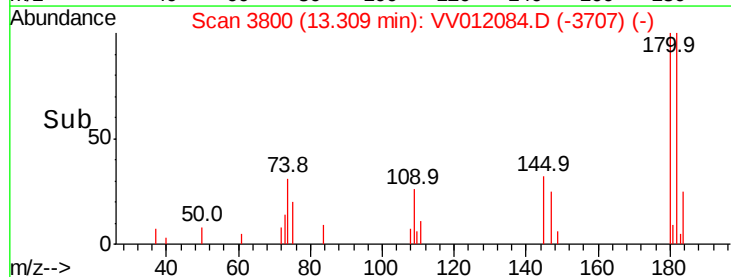
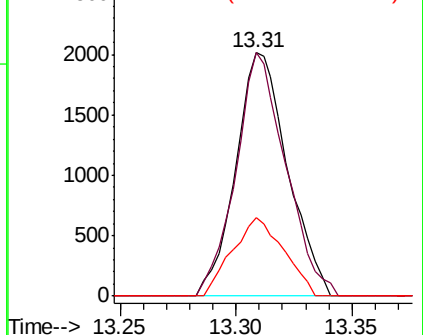


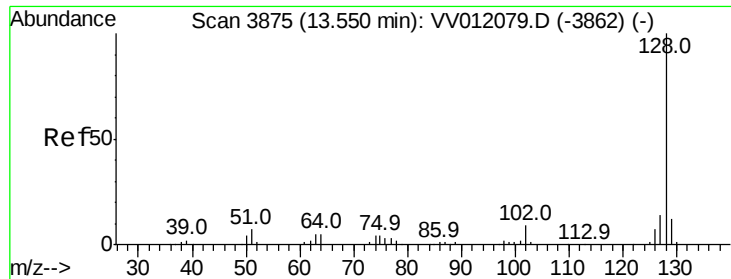
Abundance

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: 0.233 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Instrument :

MSVOA_V

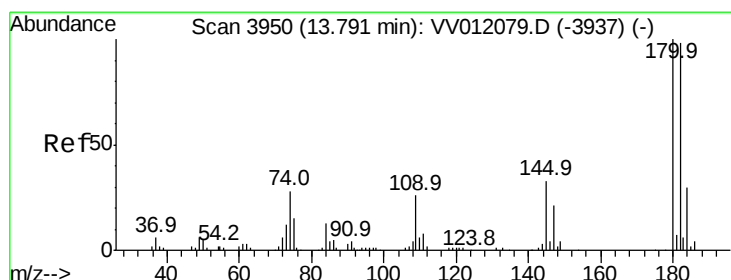
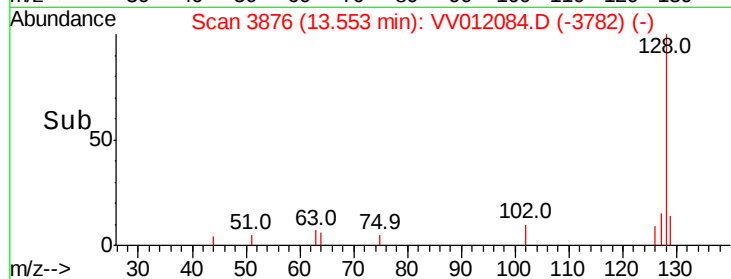
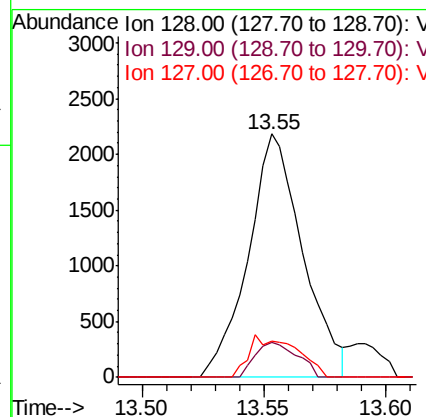
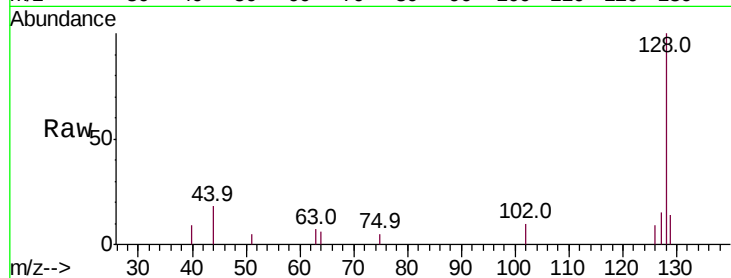
ClientSampleId :

MDL01

Tot Ion:	128	Resp:	3373
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.4	12.6
127	14.8	10.0	15.0

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#70

1,2,3-Trichlorobenzene

Concen: 0.310 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012084.D

Acq: 30 Jul 2019 21:51

Tgt Ion:	180	Resp:	2974
Ion	Ratio	Lower	Upper
180	100		
182	88.2	76.5	114.7
145	29.7	24.4	36.6

