

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073119\
 Data File : VV012087.D
 Acq On : 30 Jul 2019 23:07
 Operator : SY/MD
 Sample : MDL04
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 9:58:27 AM

Quant Time: Jul 31 06:37:36 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	116645	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	112541	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	57400	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25211	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.59	69	19733	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.13	63	40798	3.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.40%
20) 2-Butanone-d5	3.97	46	73623	48.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.84%
24) Chloroform-d	4.40	84	68801	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.08	65	40105	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.10	84	135889	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.12	67	37127	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.36	98	127171	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	7.67	79	15230	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.14	63	57850	48.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.32%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	27306	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	53325	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3836	0.297 ug/L	99
3) Chloromethane	1.25	50	2002	0.324 ug/L	99
5) Vinyl chloride	1.32	62	1998	0.296 ug/L	82
6) Bromomethane	1.54	94	1244	0.297 ug/L	75
8) Chloroethane	1.60	64	1416	0.377 ug/L #	77
9) Trichlorofluoromethane	1.77	101	3916	0.299 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2111	0.378 ug/L	90
12) 1,1-Dichloroethene	2.14	96	2034	0.397 ug/L #	1
13) Acetone	2.23	43	2257m	2.917 ug/L	
14) Carbon disulfide	2.32	76	4312	0.308 ug/L	95
15) Methyl Acetate	2.47	43	415	0.236 ug/L #	78
16) Methylene chloride	2.53	84	2057	0.387 ug/L	86
17) Methyl tert-butyl Ether	2.81	73	5035	0.296 ug/L #	92
18) trans-1,2-Dichloroethene	2.79	96	2351	0.308 ug/L	91
19) 1,1-Dichloroethane	3.23	63	4033	0.297 ug/L	98
21) 2-Butanone	4.08	43	5123m	3.339 ug/L	
22) cis-1,2-Dichloroethene	3.97	96	2322	0.284 ug/L	92

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

23) Bromochloromethane	4.30	128	1033	0.281	ug/L #	75
25) Chloroform	4.43	83	10968	0.622	ug/L	97
27) 1,2-Dichloroethane	5.19	62	3236	0.334	ug/L #	94
29) 1,1,1-Trichloroethane	4.66	97	4556	0.312	ug/L #	84
30) Cyclohexane	4.72	56	3255	0.292	ug/L #	65
31) Carbon tetrachloride	4.87	117	3504	0.267	ug/L	92
33) Benzene	5.15	78	9267	0.311	ug/L	100
34) Trichloroethene	5.96	95	2538	0.295	ug/L	94
35) Methylcyclohexane	6.18	83	3797	0.291	ug/L	93
37) 1,2-Dichloropropane	6.22	63	2275	0.330	ug/L #	82
38) Bromodichloromethane	6.56	83	3271	0.323	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	2806	0.261	ug/L	84
40) 4-Methyl-2-pentanone	7.28	43	9766	2.601	ug/L #	84
42) Toluene	7.43	91	10184	0.312	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	2668	0.308	ug/L	87
45) 1,1,2-Trichloroethane	7.88	97	1406	0.273	ug/L	93
47) Tetrachloroethene	8.02	164	2249	0.288	ug/L	91
48) 2-Hexanone	8.19	43	8679	3.323	ug/L	96
49) Dibromochloromethane	8.29	129	2233	0.335	ug/L	88
50) 1,2-Dibromoethane	8.39	107	1464	0.297	ug/L #	90
51) Chlorobenzene	8.93	112	6969	0.315	ug/L	96
52) Ethylbenzene	9.05	91	10551	0.281	ug/L	98
53) m,p-xylene	9.18	106	3975	0.276	ug/L	100
54) o-xylene	9.59	106	3586	0.260	ug/L	90
55) Styrene	9.60	104	6553	0.280	ug/L	99
56) Isopropylbenzene	9.97	105	10266	0.268	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	1819	0.320	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	1132	0.264	ug/L #	80
61) Bromoform	9.77	173	1095	0.321	ug/L #	48
62) 1,3-Dichlorobenzene	11.23	146	5429	0.307	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	5824	0.322	ug/L #	84
65) 1,2-Dichlorobenzene	11.69	146	5444	0.340	ug/L #	89
66) 1,2-Dibromo-3-chloropropan	12.48	75	164	0.191	ug/L #	64
67) 1,3,5-Trichlorobenzene	12.69	180	4613	0.318	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	3430	0.293	ug/L	97
69) Naphthalene	13.55	128	4592	0.292	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.79	180	2937	0.282	ug/L	92

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

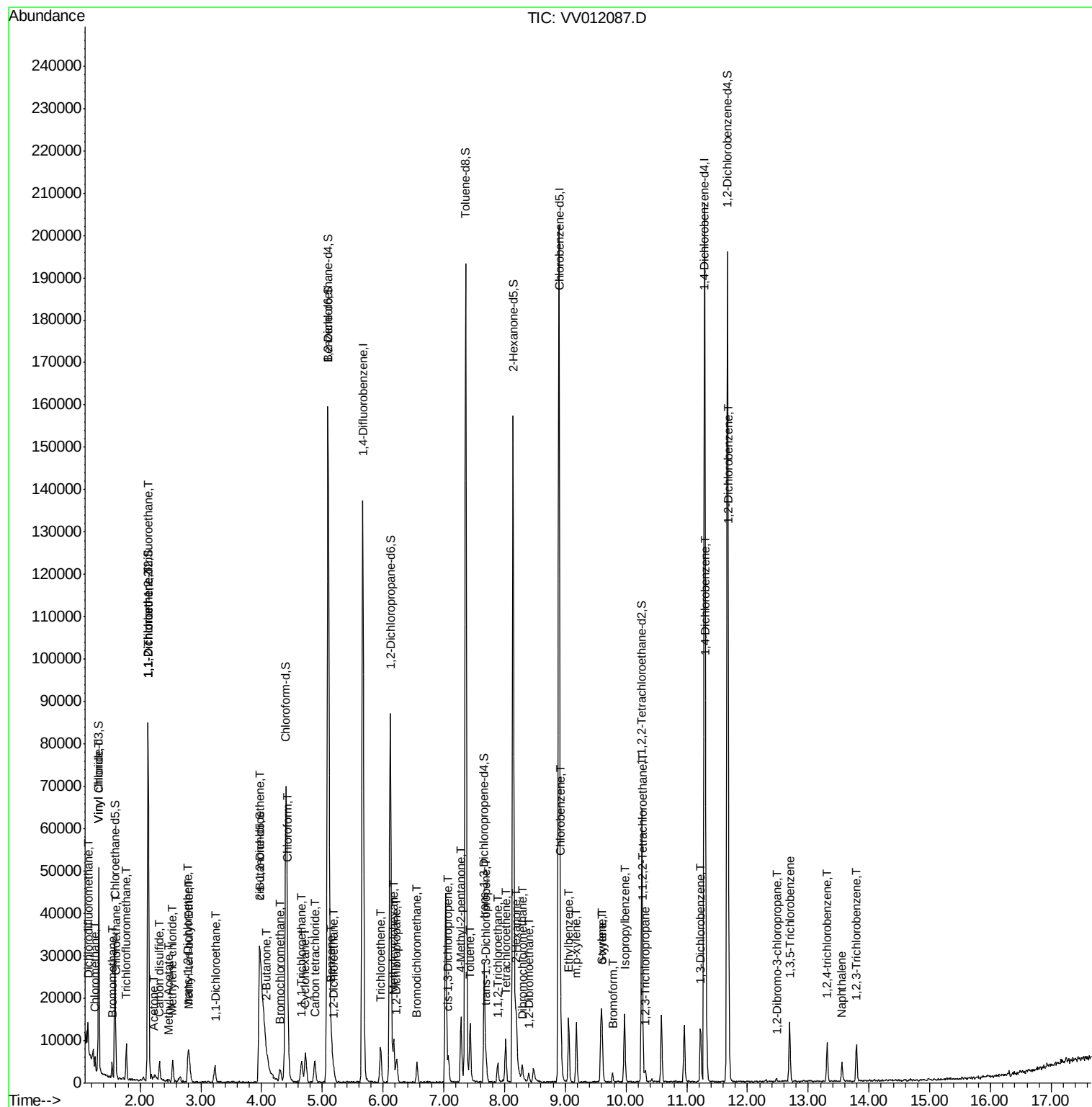
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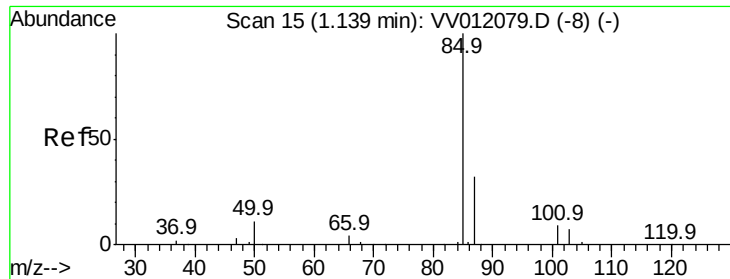
Instrument :
MSVOA_V
ClientSampleId :
MDL04

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#2

Dichlorodifluoromethane

Concen: 0.297 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 85 Resp: 3836

Ion Ratio Lower Upper

85 100

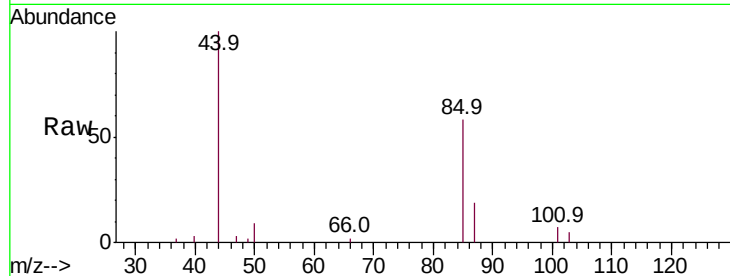
87 32.7 25.6 38.4

Manual Integrations

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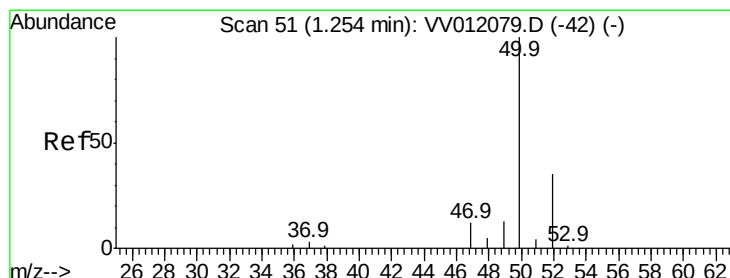
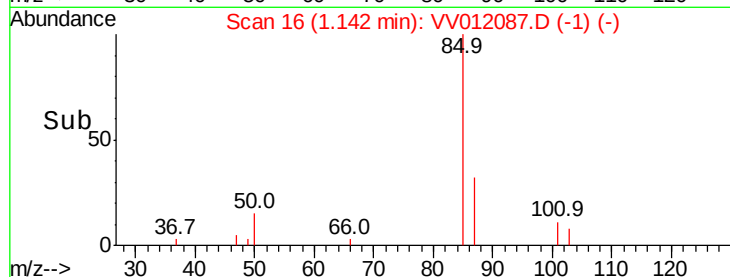
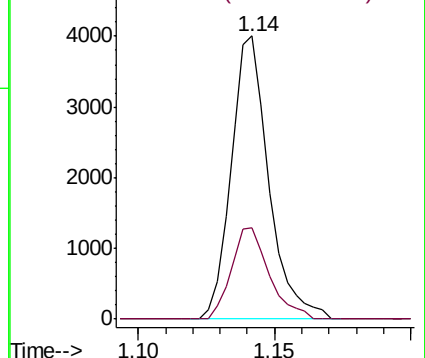
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.324 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012087.D

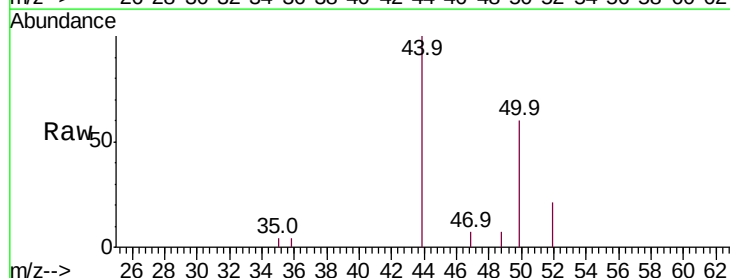
Acq: 30 Jul 2019 23:07

Tgt Ion: 50 Resp: 2002

Ion Ratio Lower Upper

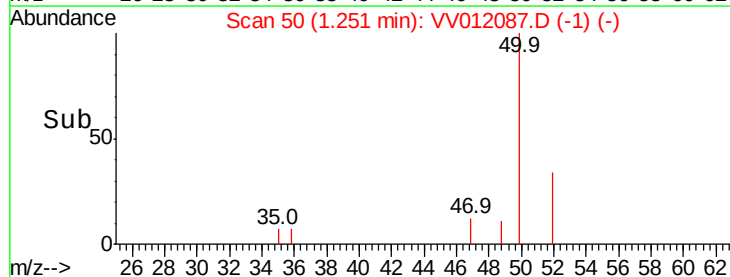
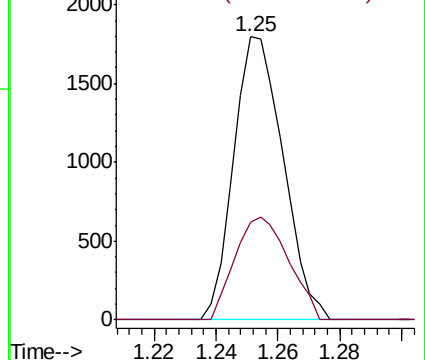
50 100

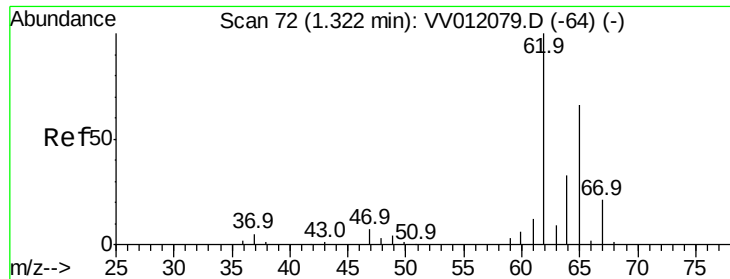
52 34.4 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.296 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 62 Resp: 1998

Ion Ratio Lower Upper

62 100

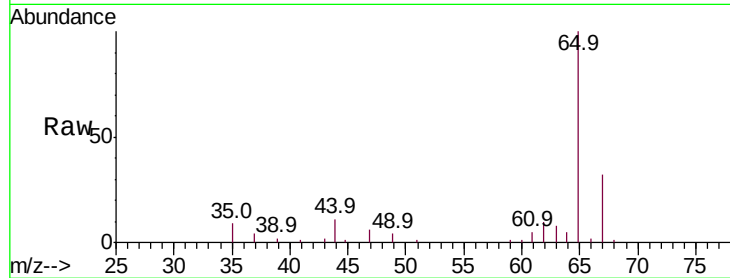
64 45.1 24.3 45.1

Manual Integrations

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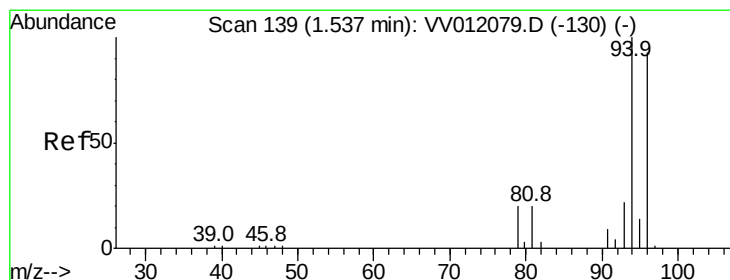
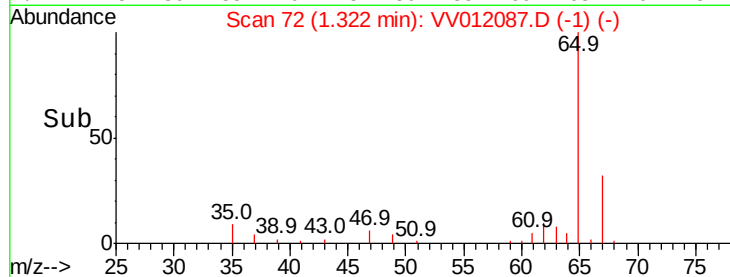
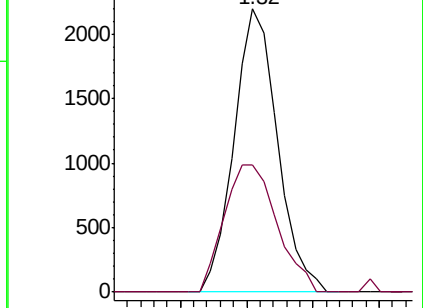
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Abundance Ion 62.00 (61.70 to 62.70): VV012079.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV012087.D (-64) (-)



#6

Bromomethane

Concen: 0.297 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012087.D

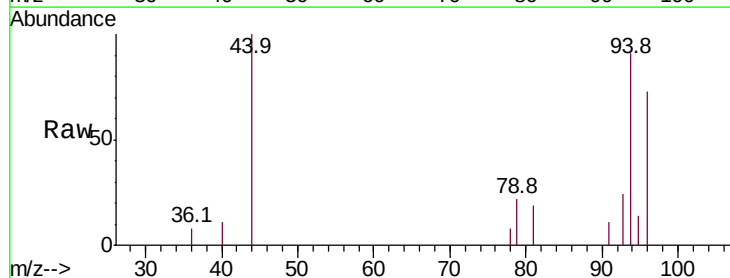
Acq: 30 Jul 2019 23:07

Tgt Ion: 94 Resp: 1244

Ion Ratio Lower Upper

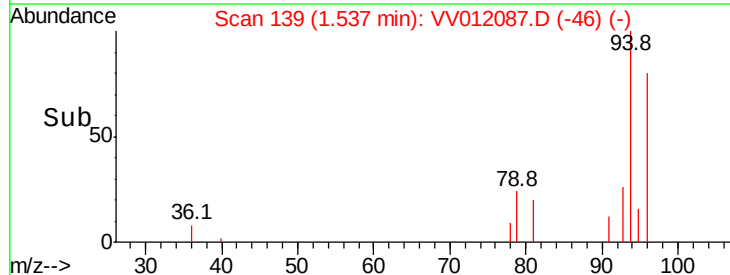
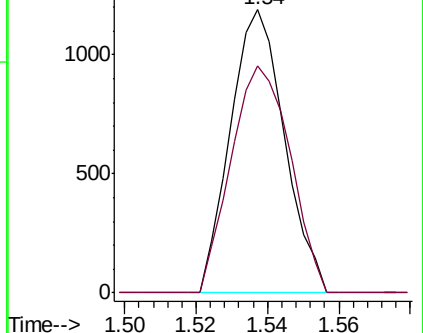
94 100

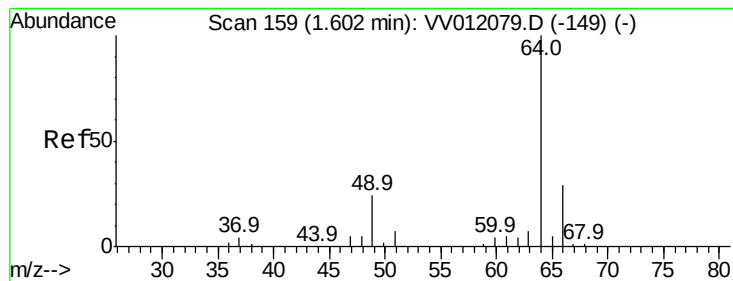
96 69.5 65.6 121.8



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

Ion 96.00 (95.70 to 96.70): VV012087.D (-130) (-)





#8

Chloroethane

Concen: 0.377 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 64 Resp: 1416

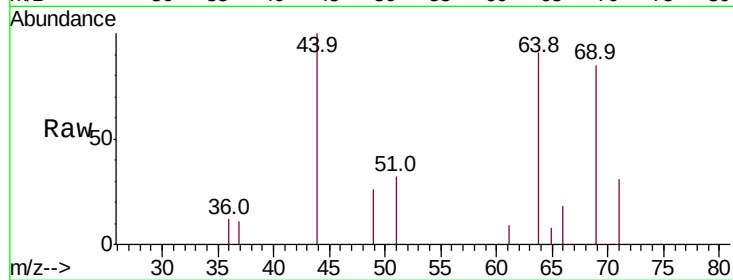
Ion Ratio Lower Upper

64 100

66 20.1 23.1 42.9#

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Abundance Ion 64.10 (63.80 to 64.80): VV012079.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012087.D (-66) (-)

1.60

1200

1000

800

600

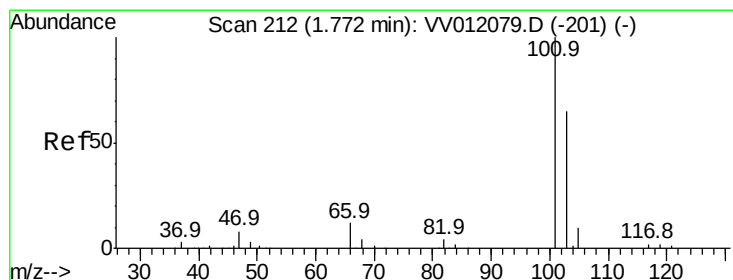
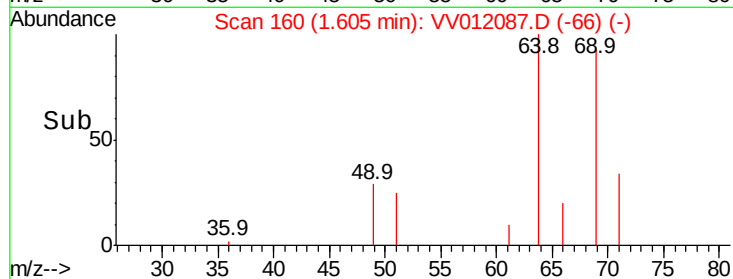
400

200

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 0.299 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012087.D

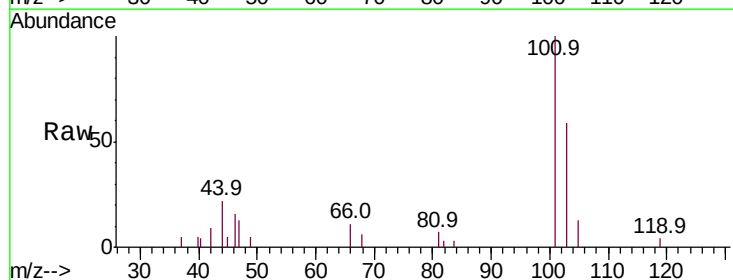
Acq: 30 Jul 2019 23:07

Tgt Ion: 101 Resp: 3916

Ion Ratio Lower Upper

101 100

103 63.1 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV012079.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV012087.D (-119) (-)

1.77

3000

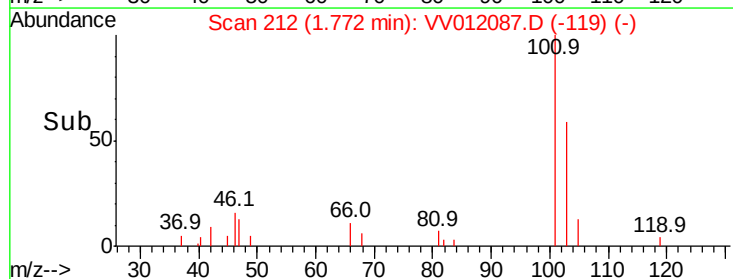
2000

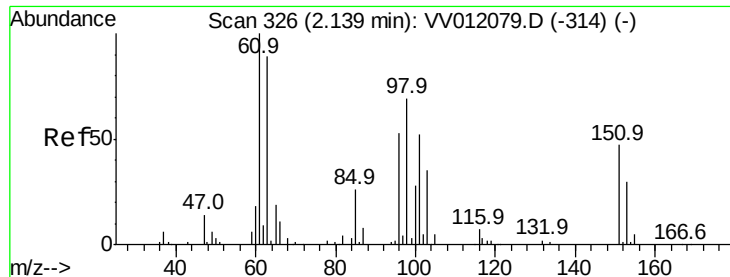
1000

0

1.74 1.76 1.78 1.80

Time-->





#10

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

Concen: 0.378 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

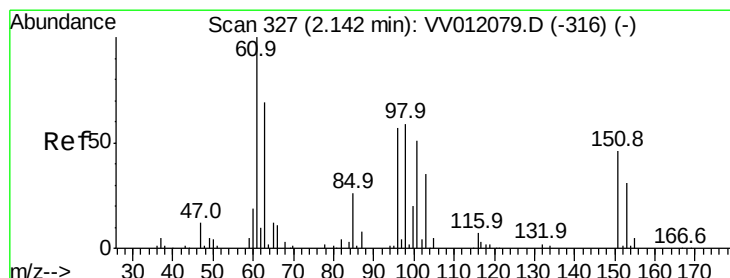
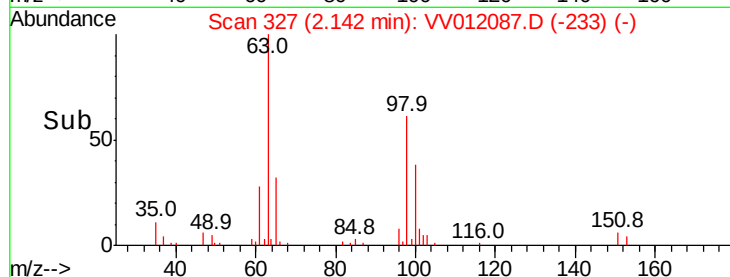
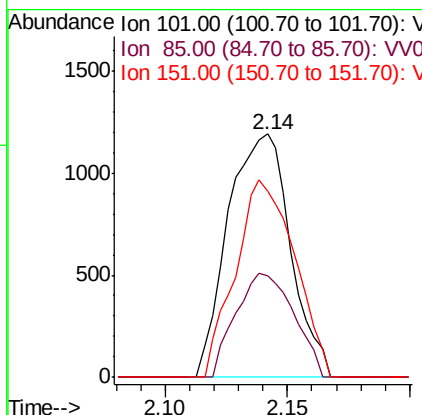
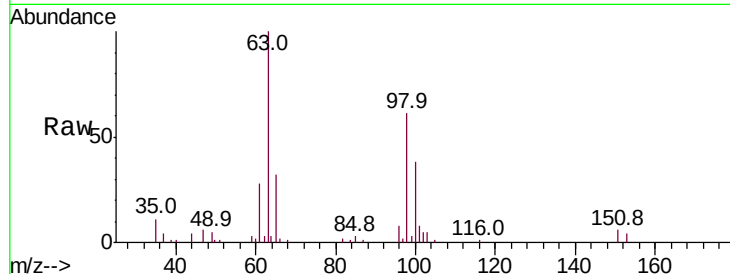
ClientSampleId :

MDL04

Tot Ion:	101	Resp:	2111
Ion Ratio	Lower	Upper	
101	100		
85	39.8	37.4	56.2
151	77.3	69.1	103.7

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.397 ug/L

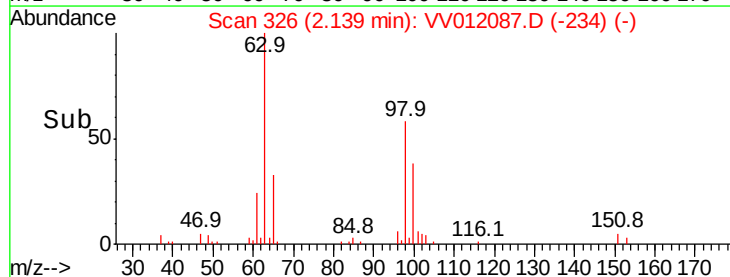
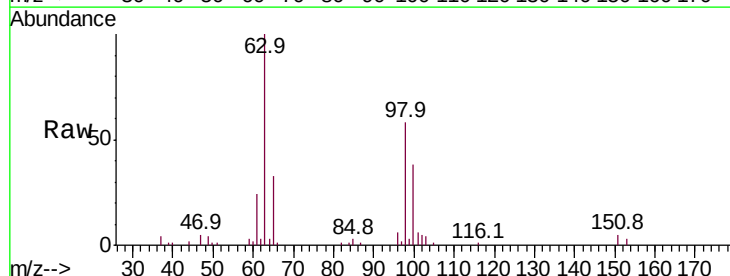
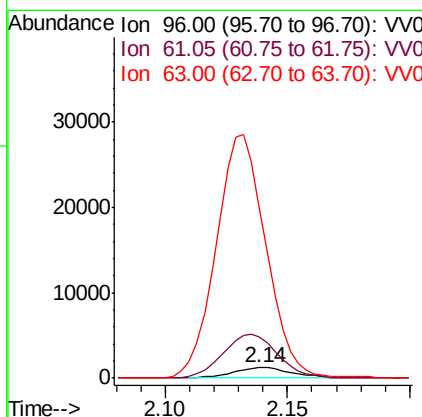
RT: 2.14 min Scan# 326

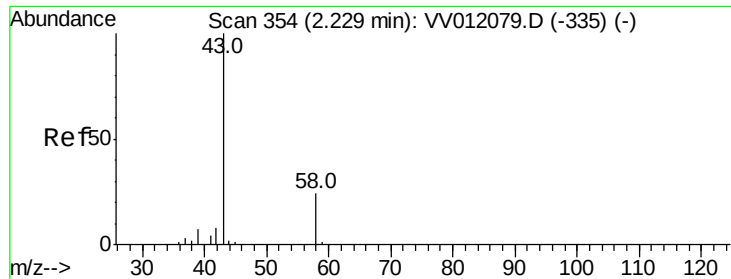
Delta R.T. -0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Tgt Ion:	96	Resp:	2034
Ion Ratio	Lower	Upper	
96	100		
61	392.3	126.9	235.7#
63	1637.8	87.6	162.8#





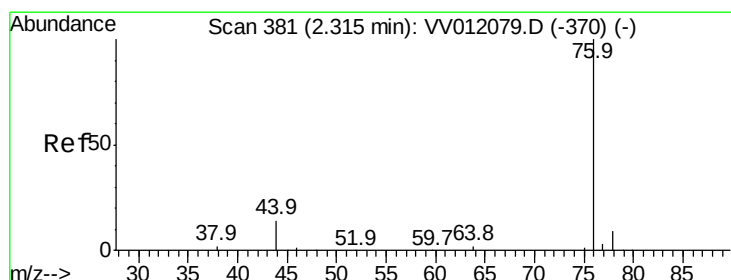
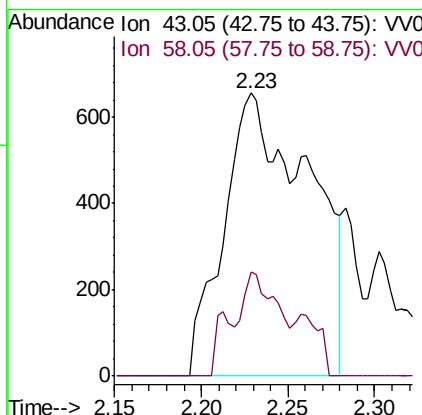
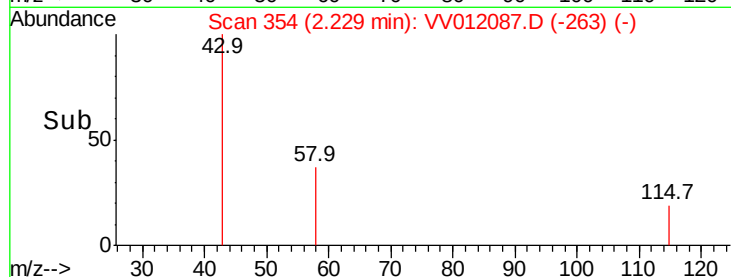
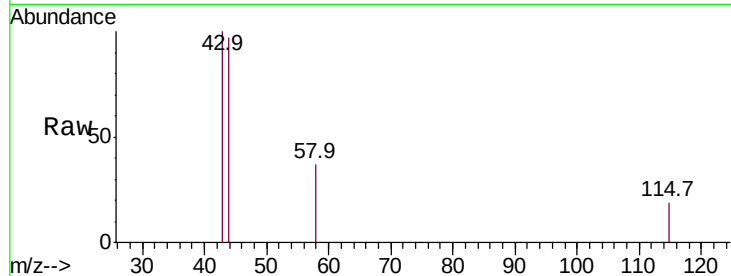
#13
Acetone
Concen: 2.917 ug/L m
RT: 2.23 min Scan# 354
Delta R.T. -0.01 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
43	100		
58	15.1	0.0	51.0

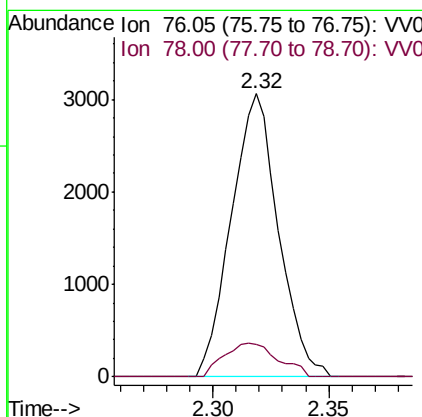
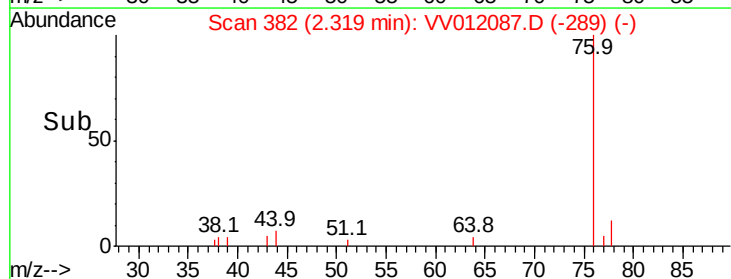
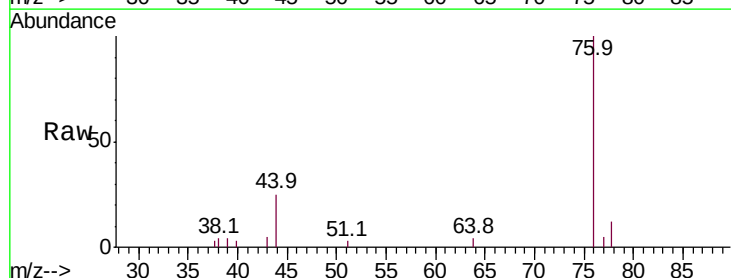
Manual Integrations
APPROVED

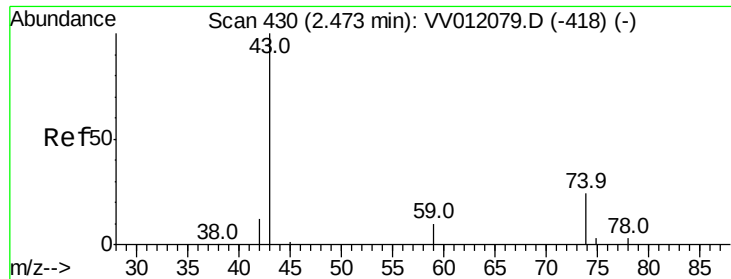
MMDadoda
8/1/2019 9:58:27 AM



#14
Carbon disulfide
Concen: 0.308 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
76	100		
78	11.6	7.9	11.9





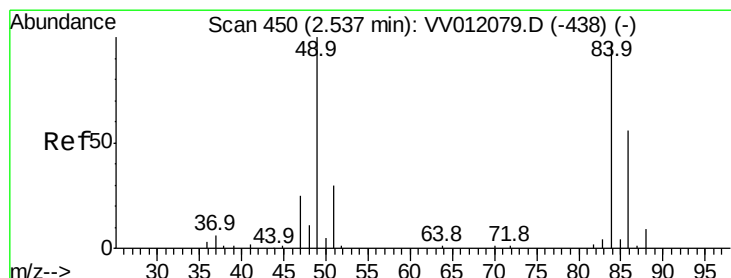
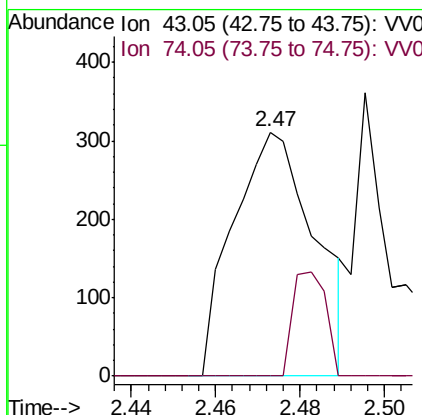
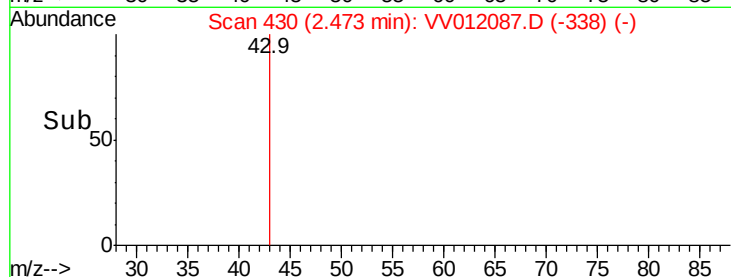
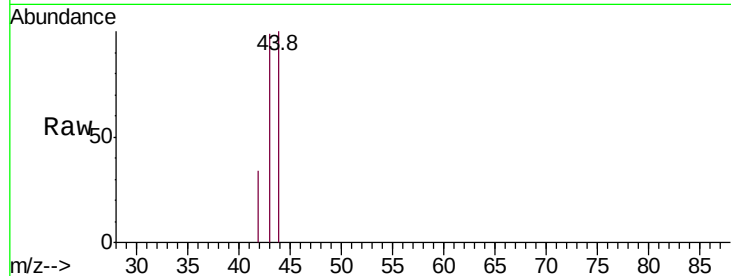
#15
Methyl Acetate
Concen: 0.236 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion: 43 Resp: 415
Ion Ratio Lower Upper
43 100
74 17.3 23.4 35.0#

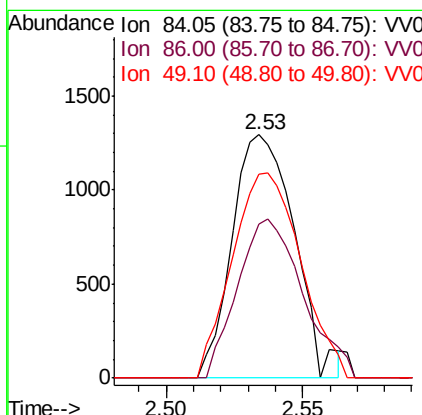
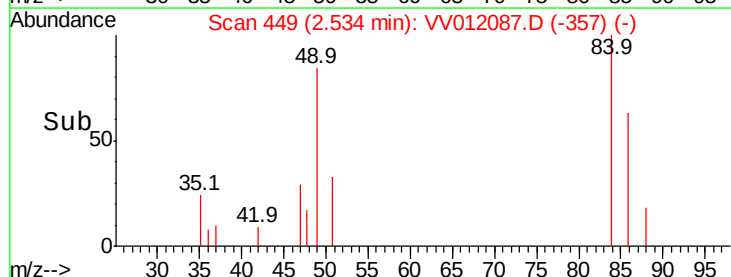
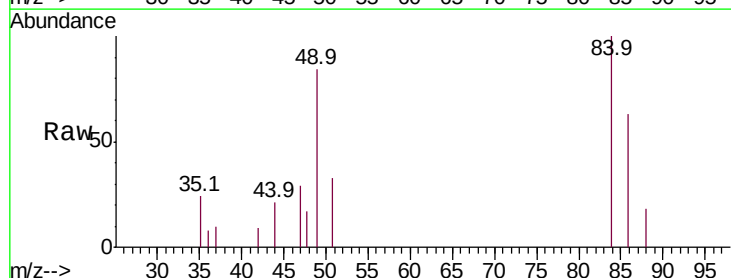
Manual Integrations
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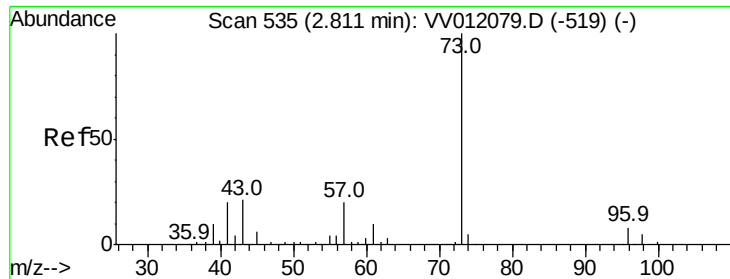
MMdadoda
8/1/2019 9:58:27 AM



#16
Methylene chloride
Concen: 0.387 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Tgt Ion: 84 Resp: 2057
Ion Ratio Lower Upper
84 100
86 63.5 45.0 83.6
49 83.7 74.4 138.2





#17

Methyl tert-butyl Ether

Concen: 0.296 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

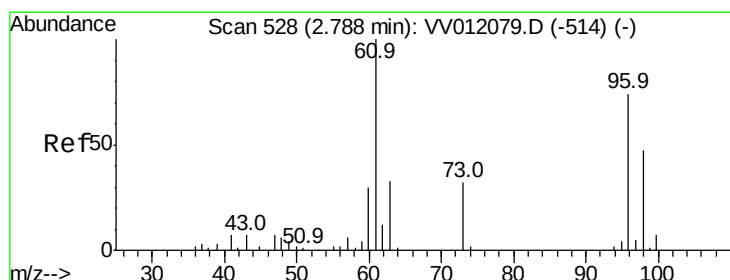
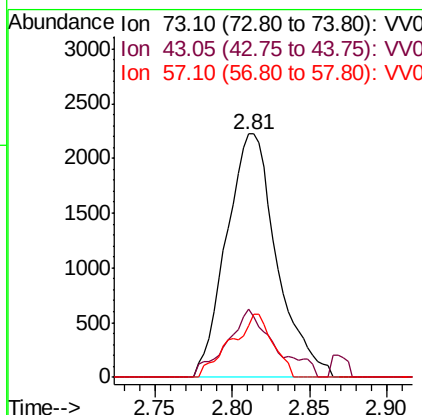
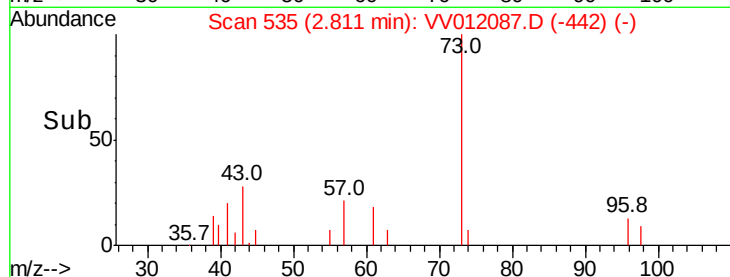
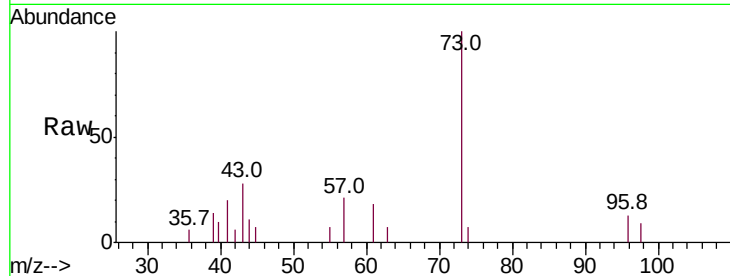
Instrument :
MSVOA_V

ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
73	100		
43	26.5	17.2	25.8#
57	21.6	15.1	22.7

Manual Integrations
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MMdadoda
8/1/2019 9:58:27 AM



#18

trans-1,2-Dichloroethene

Concen: 0.308 ug/L

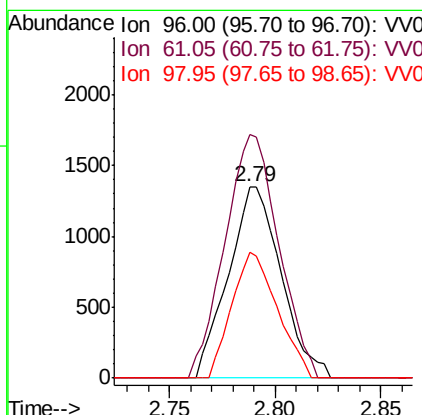
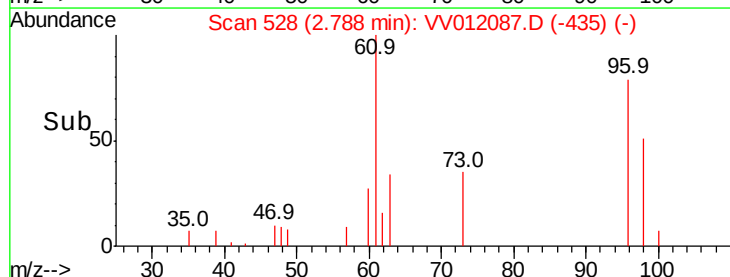
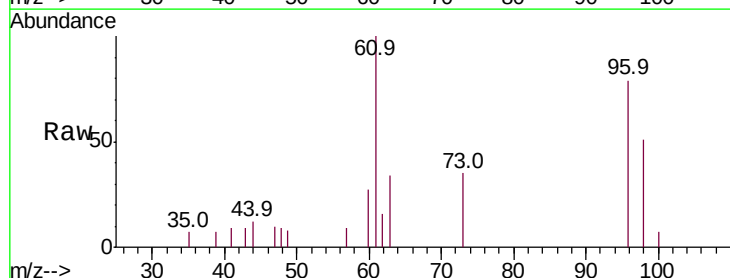
RT: 2.79 min Scan# 528

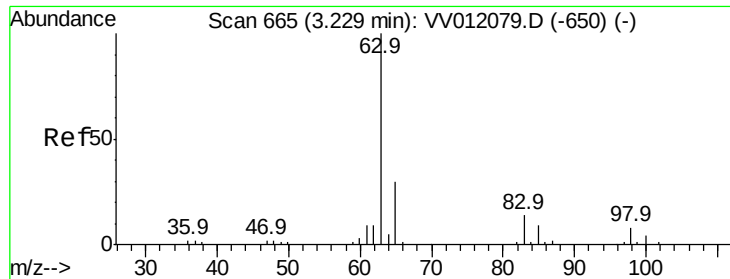
Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.0	99.0	184.0
98	65.3	47.9	88.9





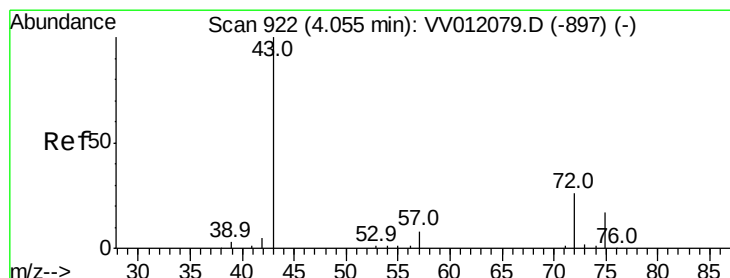
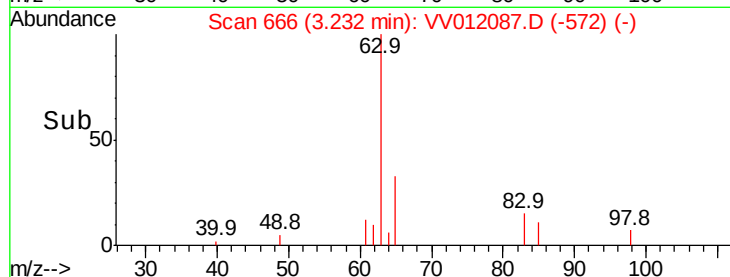
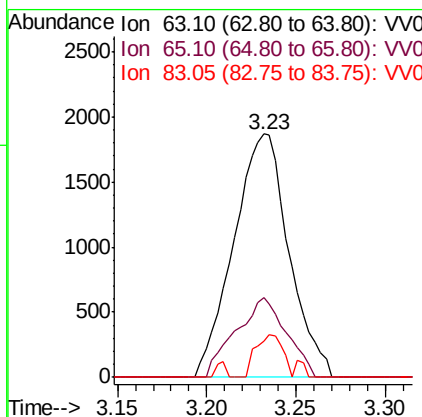
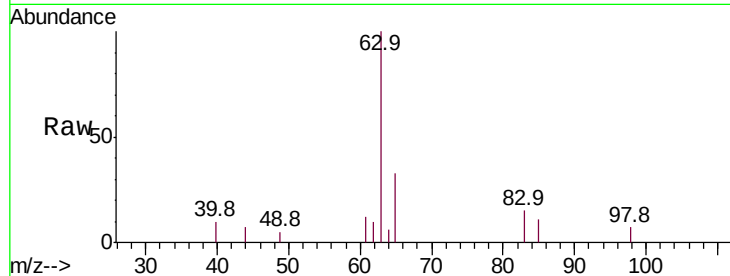
#19
 1,1-Dichloroethane
 Concen: 0.297 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	22.3	41.3
83	15.0	10.4	19.2

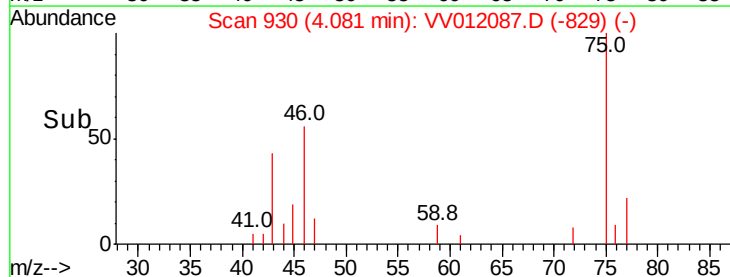
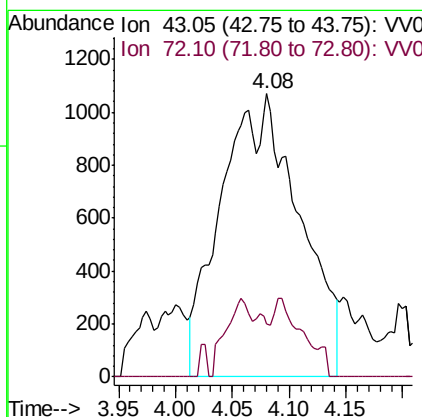
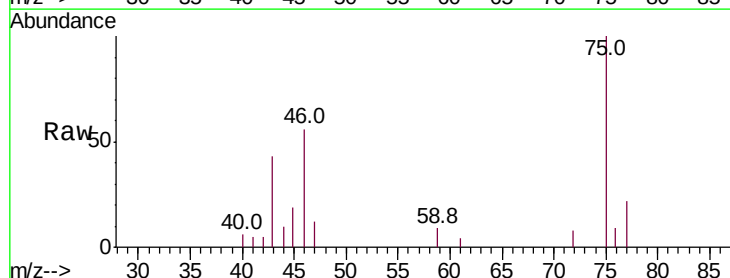
Manual Integrations
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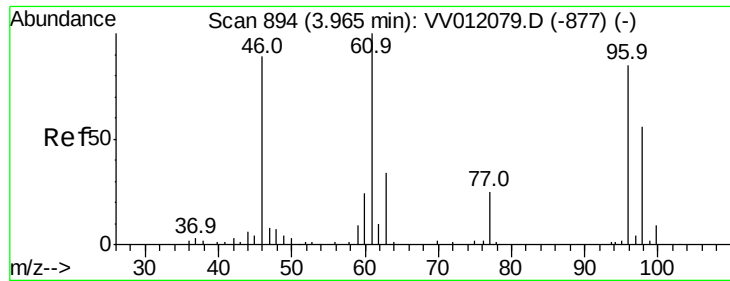
MMdadoda
 8/1/2019 9:58:27 AM



#21
 2-Butanone
 Concen: 3.339 ug/L m
 RT: 4.08 min Scan# 930
 Delta R.T. 0.03 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	8.8	14.0	42.0#





#22

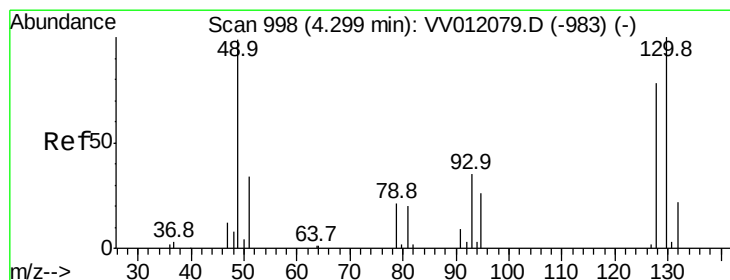
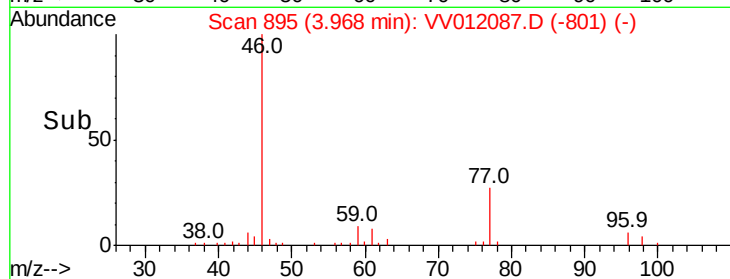
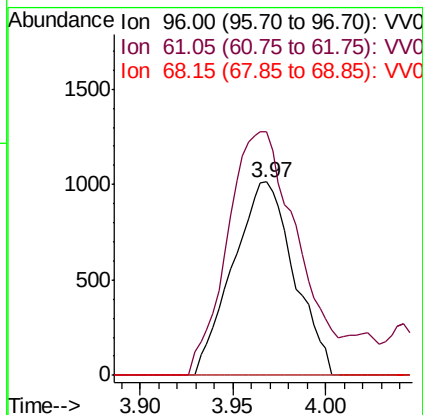
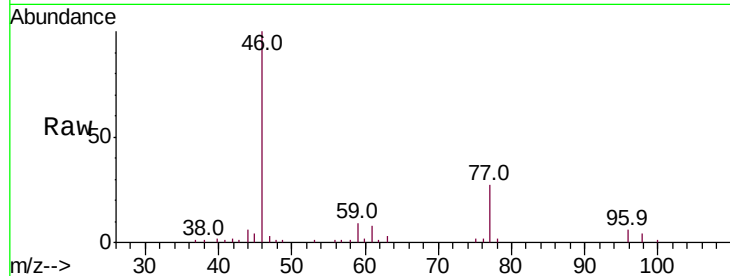
cis-1,2-Dichloroethene
Concen: 0.284 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.8	81.5	151.5
68	0.0	0.0	0.0

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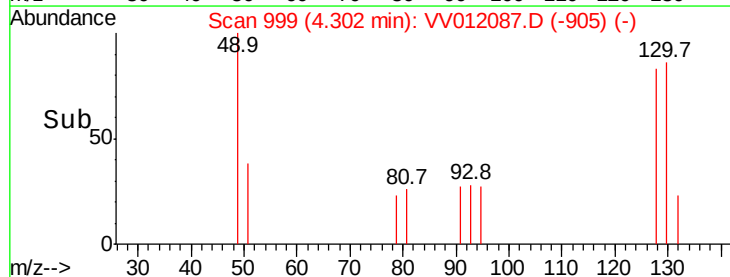
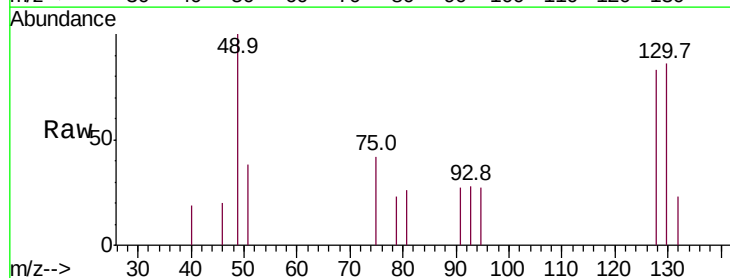
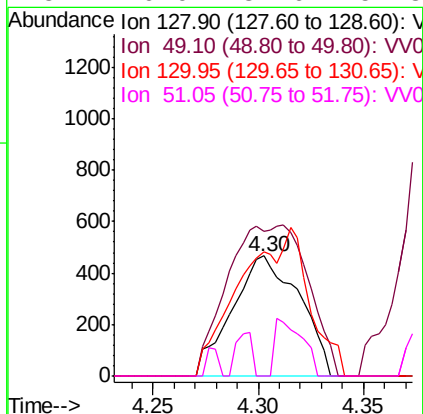
MMDadoda
8/1/2019 9:58:27 AM

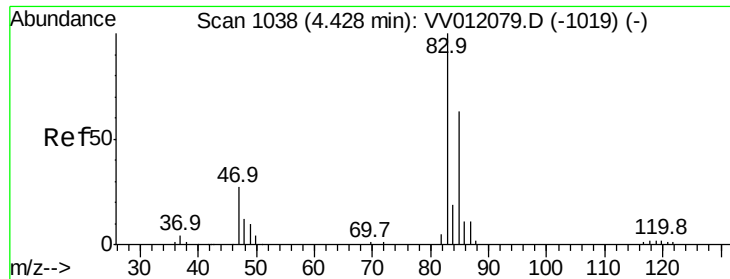


#23

Bromochloromethane
Concen: 0.281 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
128	100		
49	121.0	97.9	181.7
130	103.9	90.9	168.9
51	0.0	34.6	51.8#





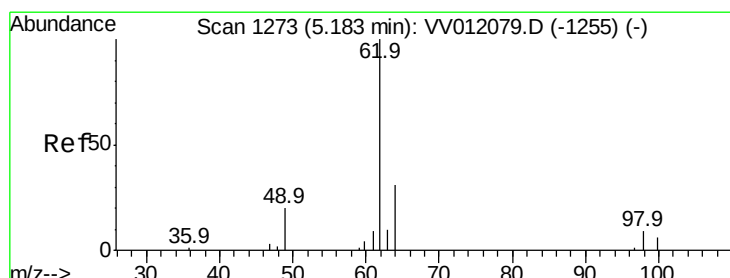
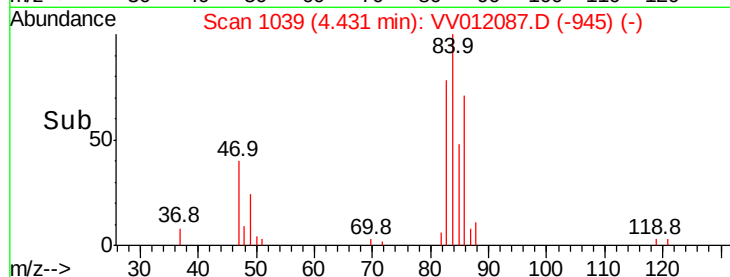
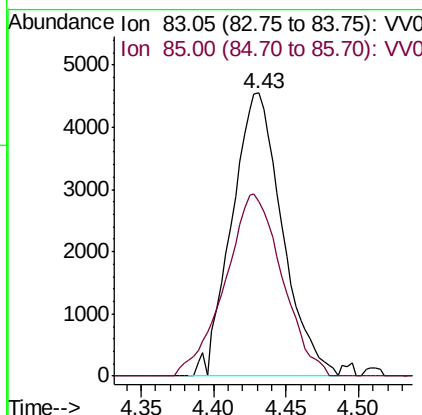
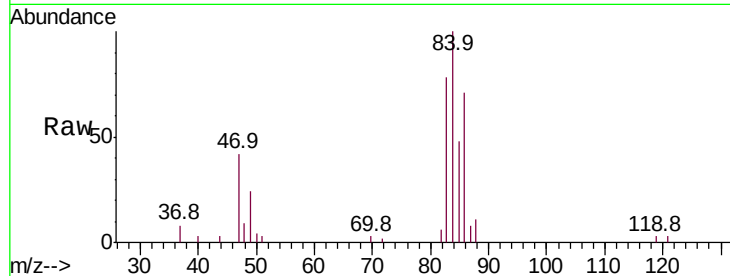
#25
Chloroform
Concen: 0.622 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion: 83 Resp: 10968
Ion Ratio Lower Upper
83 100
85 61.7 44.7 83.1

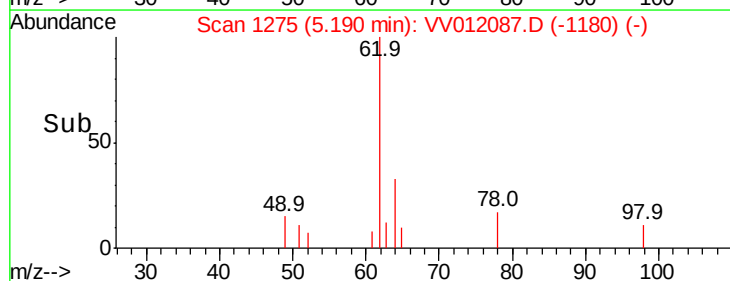
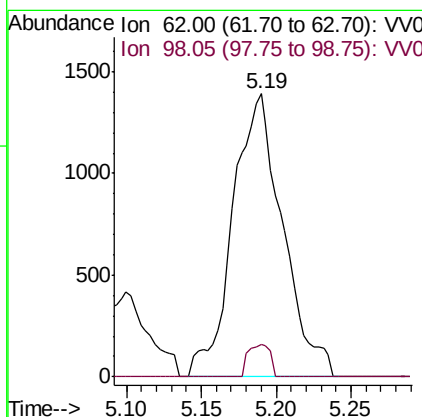
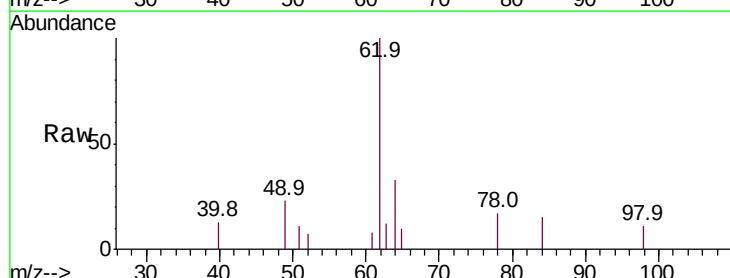
Manual Integrations
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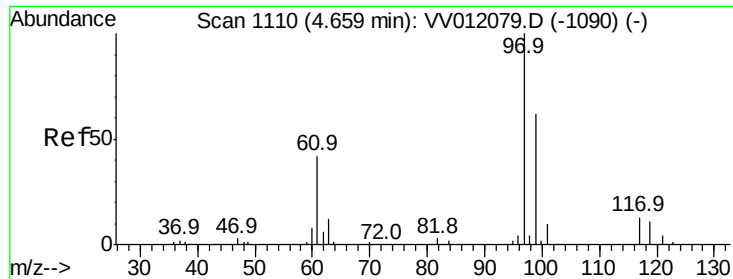
MMdadoda
8/1/2019 9:58:27 AM



#27
1,2-Dichloroethane
Concen: 0.334 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Tgt Ion: 62 Resp: 3236
Ion Ratio Lower Upper
62 100
98 11.3 7.3 10.9#





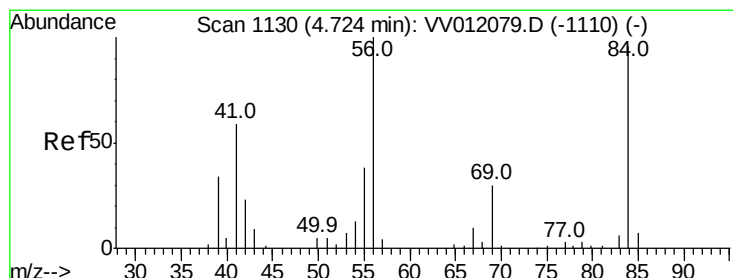
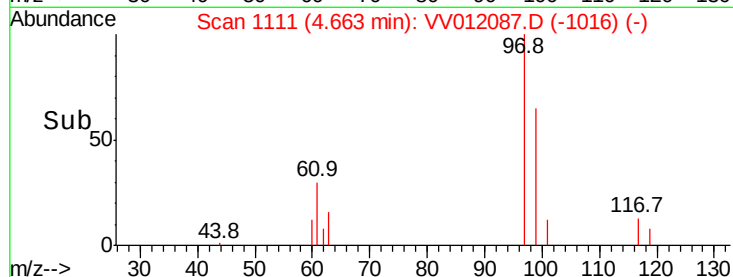
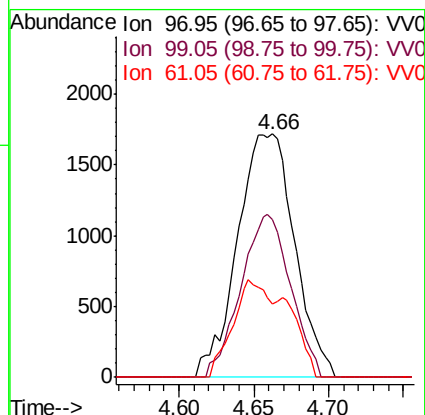
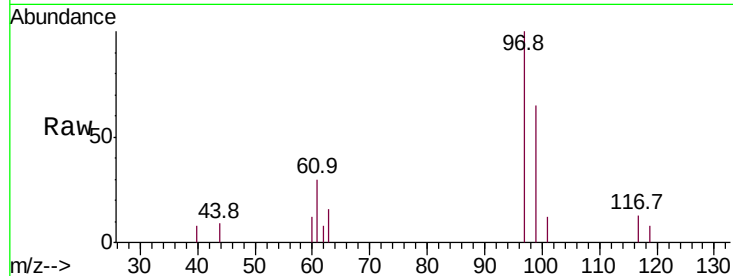
#29
1,1,1-Trichloroethane
Concen: 0.312 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
97	100		
99	58.4	51.7	77.5
61	25.5	34.2	51.2#

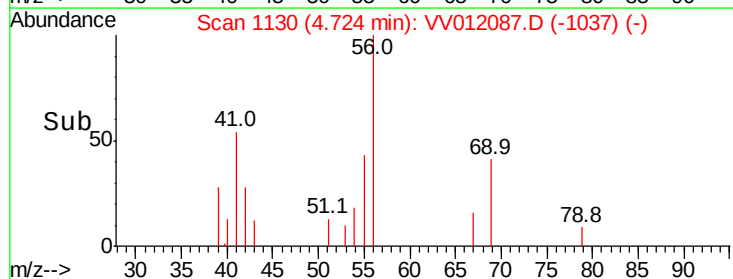
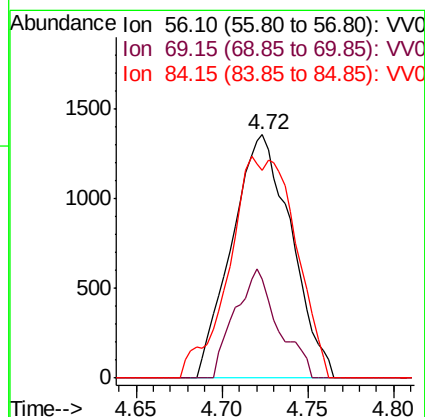
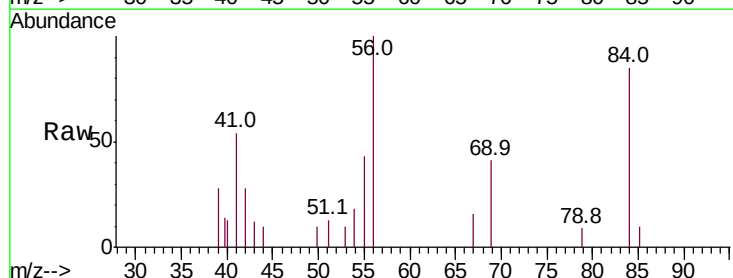
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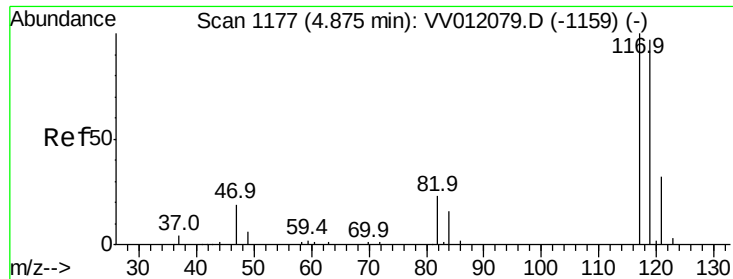
MMdadoda
8/1/2019 9:58:27 AM



#30
Cyclohexane
Concen: 0.292 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.0	39.0
84	53.6	79.9	119.9#





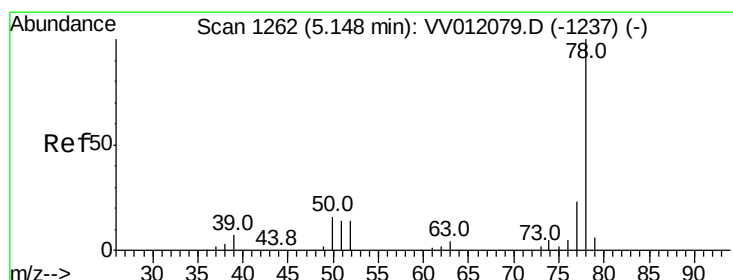
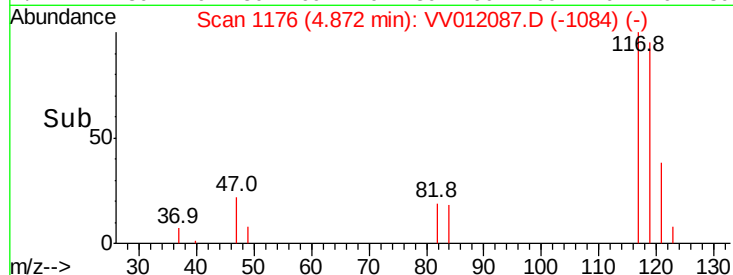
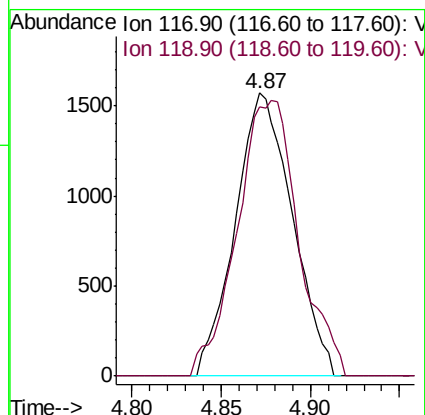
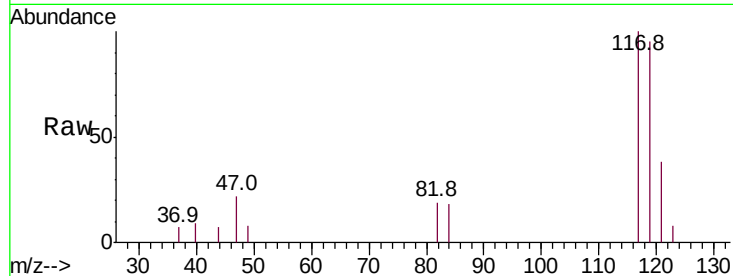
#31
Carbon tetrachloride
Concen: 0.267 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:117 Resp: 3504
Ion Ratio Lower Upper
117 100
119 105.1 77.7 116.5

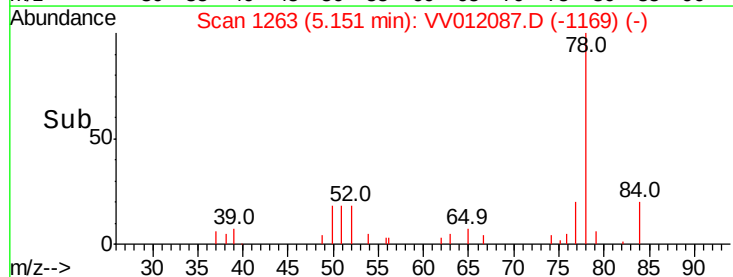
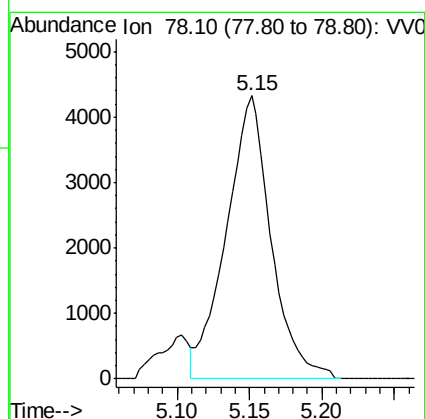
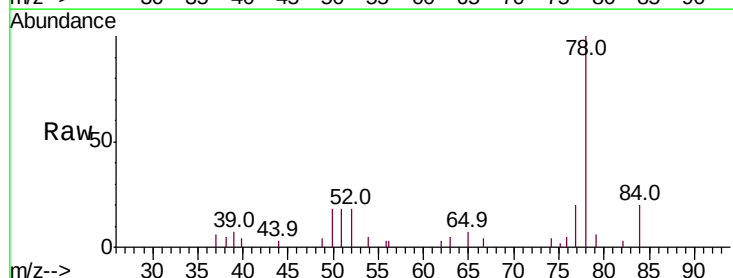
Manual Integrations
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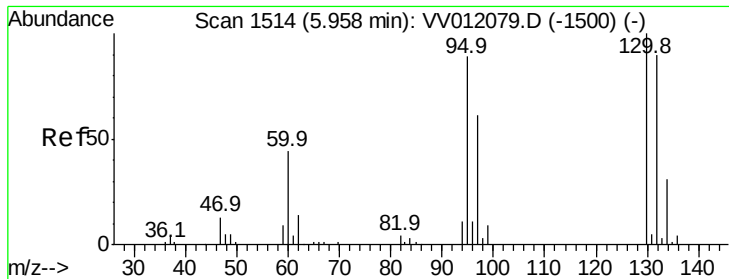
MMdadoda
8/1/2019 9:58:27 AM



#33
Benzene
Concen: 0.311 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Tgt Ion: 78 Resp: 9267





#34

Trichloroethene

Concen: 0.295 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 95 Resp: 2538

Ion Ratio Lower Upper

95 100

97 65.5 45.4 84.2

132 102.6 67.0 124.4

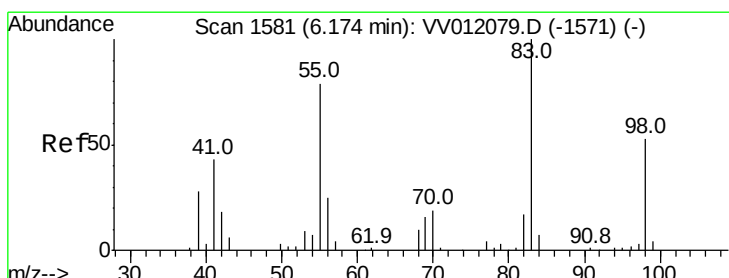
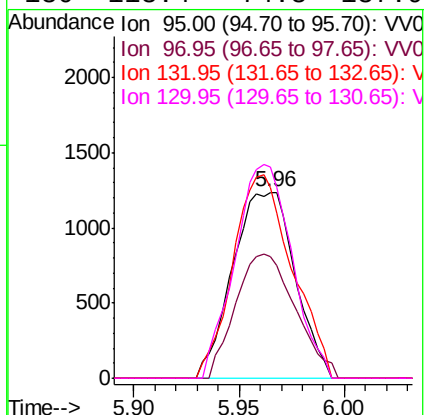
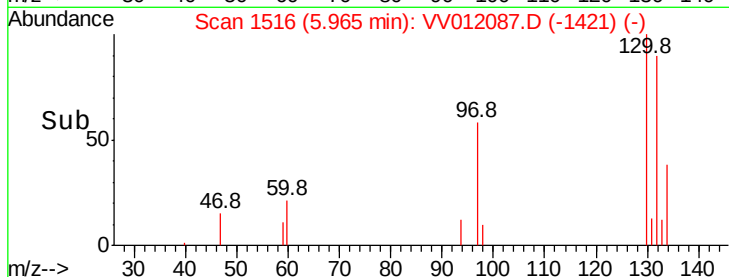
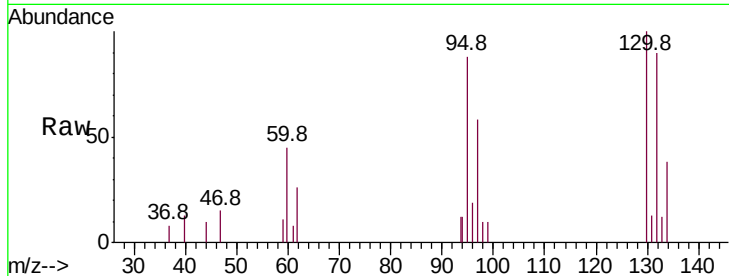
130 113.4 74.3 137.9

Manual Integrations

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MMdadoda

8/1/2019 9:58:27 AM



#35

Methylcyclohexane

Concen: 0.291 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

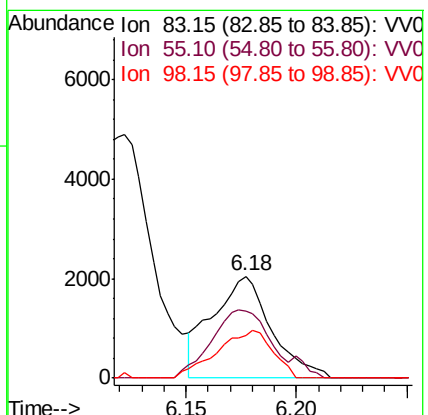
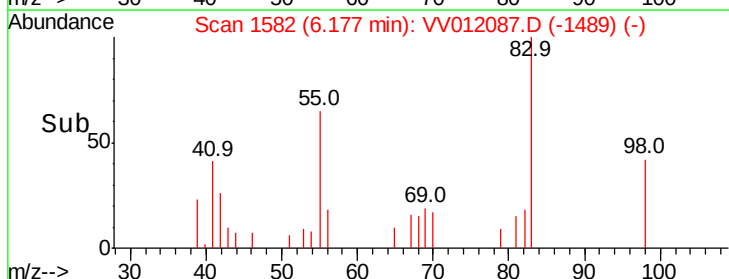
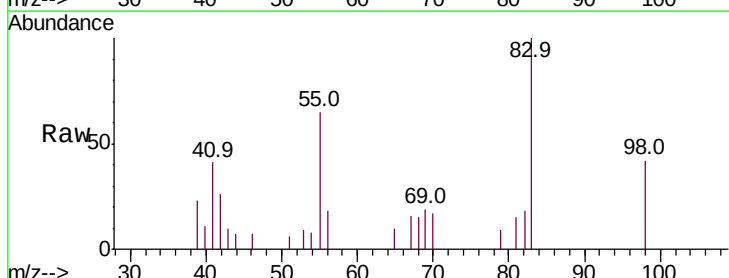
Tgt Ion: 83 Resp: 3797

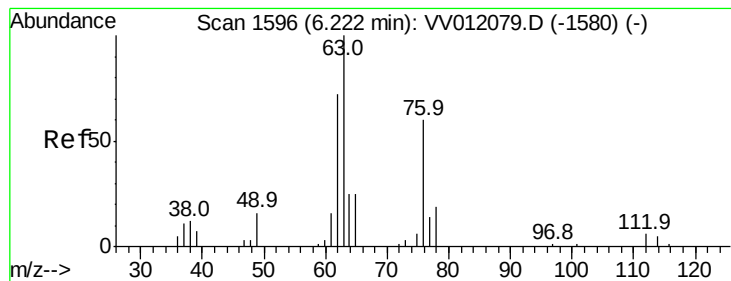
Ion Ratio Lower Upper

83 100

55 70.1 59.9 89.9

98 43.9 40.8 61.2





#37

1,2-Dichloropropane

Concen: 0.330 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 63 Resp: 2275

Ion Ratio Lower Upper

63 100

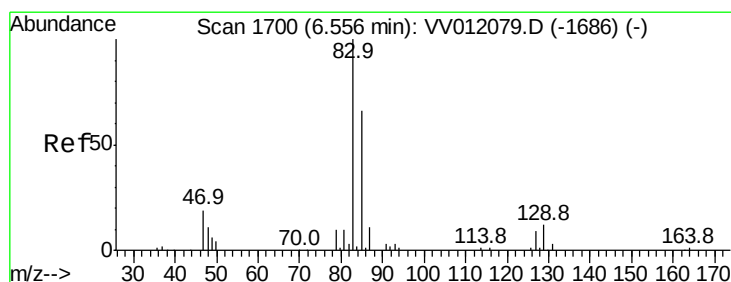
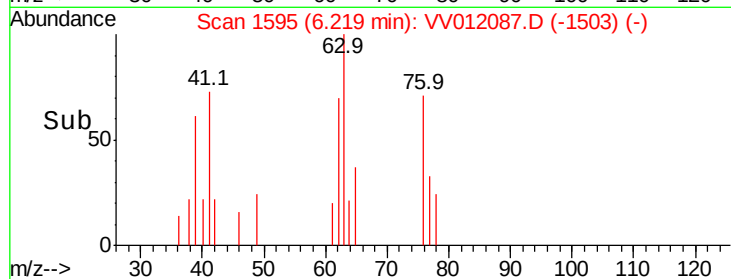
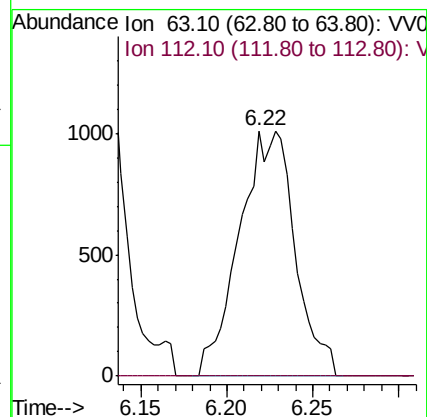
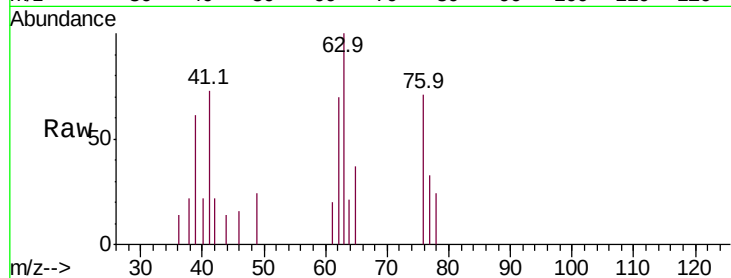
112 0.0 4.7 7.1#

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#38

Bromodichloromethane

Concen: 0.323 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

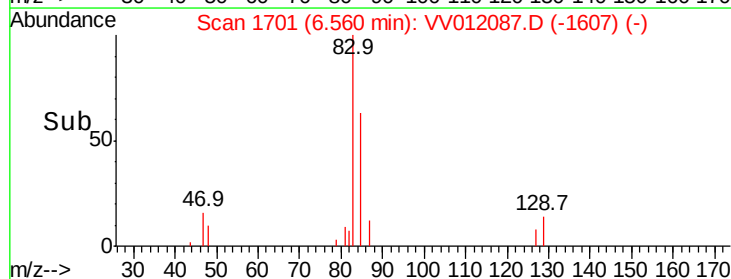
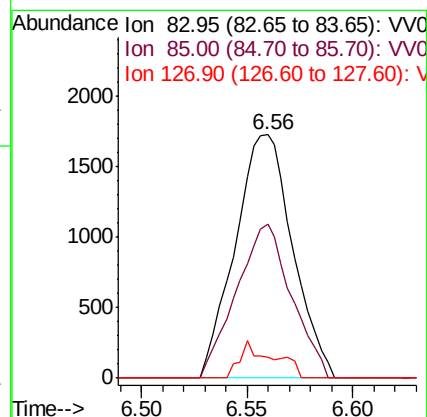
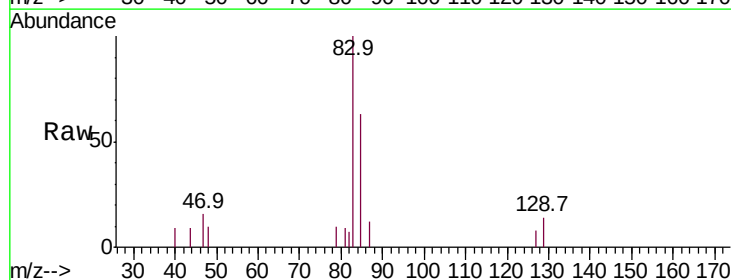
Tgt Ion: 83 Resp: 3271

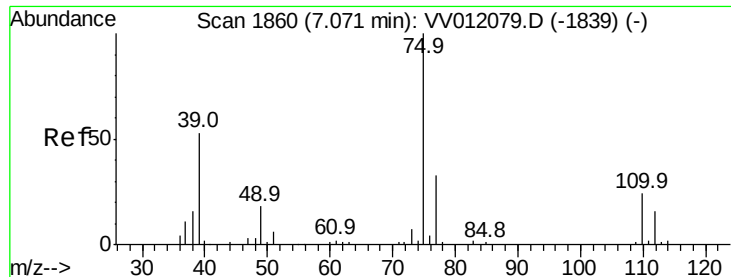
Ion Ratio Lower Upper

83 100

85 63.5 46.2 85.8

127 8.3 7.2 10.8





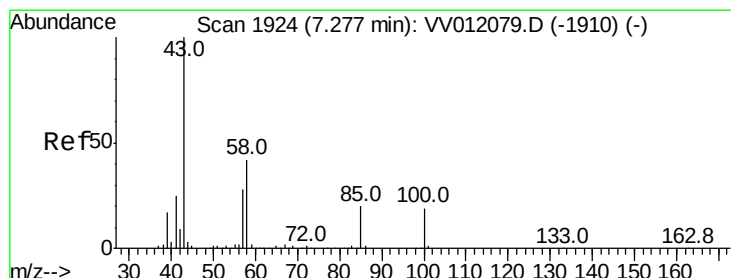
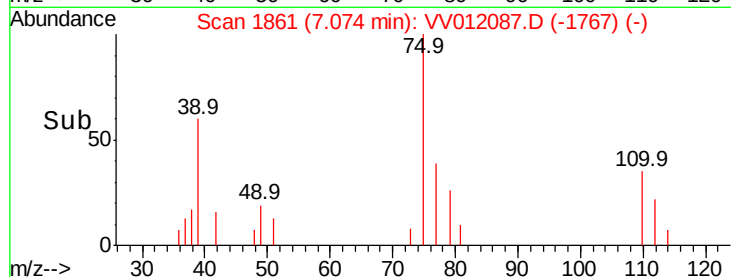
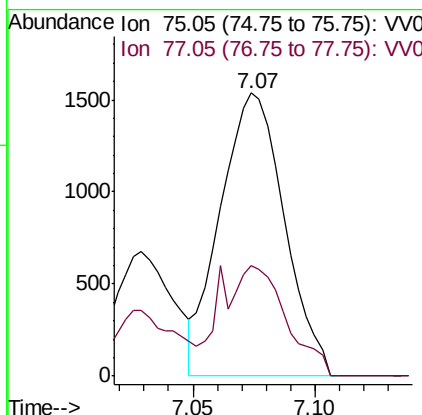
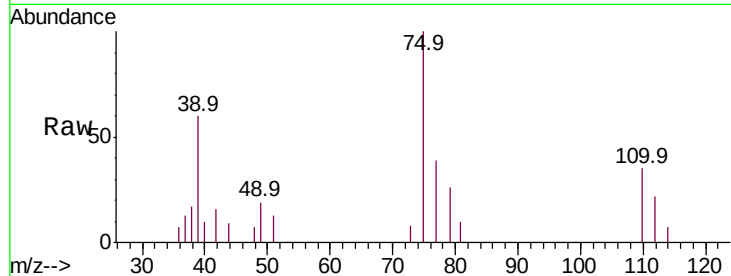
#39
 cis-1,3-Dichloropropene
 Concen: 0.261 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion: 75 Resp: 2806
 Ion Ratio Lower Upper
 75 100
 77 39.0 21.3 39.5

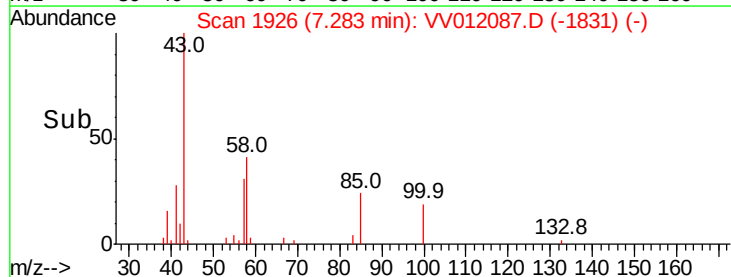
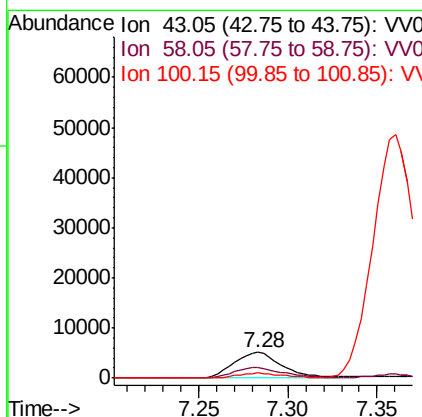
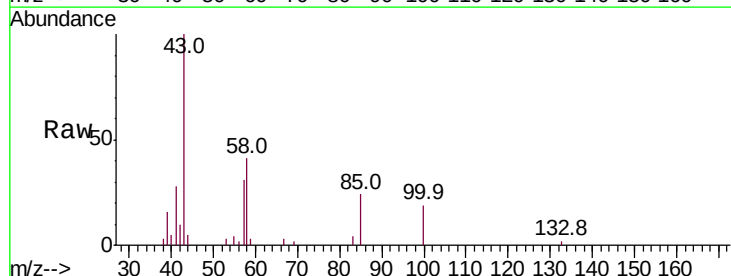
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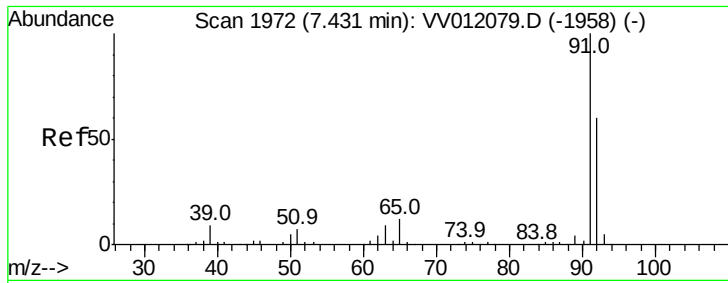
MMdadoda
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#40
 4-Methyl-2-pentanone
 Concen: 2.601 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Tgt Ion: 43 Resp: 9766
 Ion Ratio Lower Upper
 43 100
 58 42.2 31.8 47.6
 100 0.0 15.0 22.4#





#42

Toluene

Concen: 0.312 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 91 Resp: 10184

Ion Ratio Lower Upper

91 100

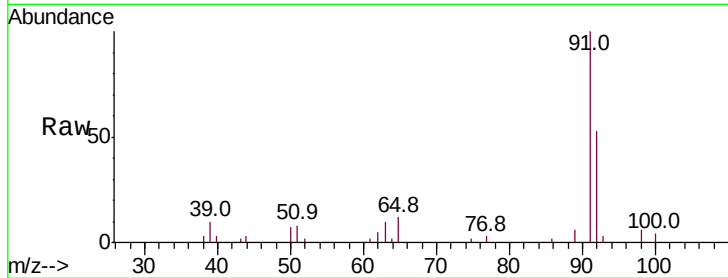
92 56.8 41.6 77.2

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Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

6000

5000

4000

3000

2000

1000

0

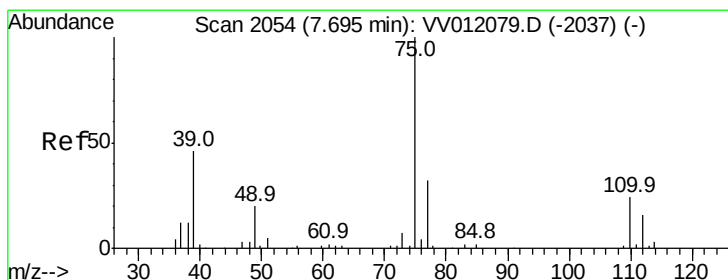
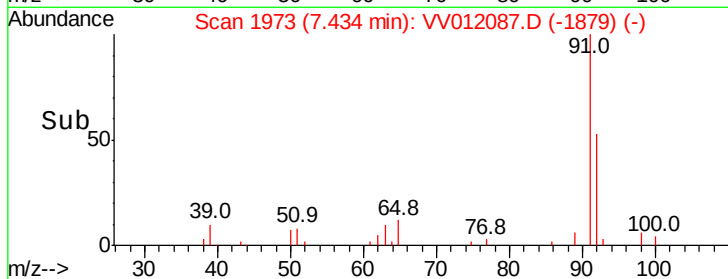
7.40

7.43

7.45

7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.308 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV012087.D

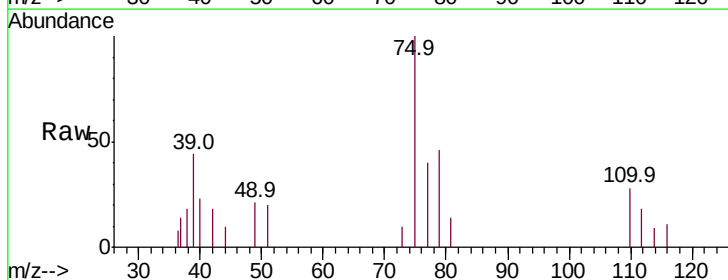
Acq: 30 Jul 2019 23:07

Tgt Ion: 75 Resp: 2668

Ion Ratio Lower Upper

75 100

77 39.7 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

1500

1000

500

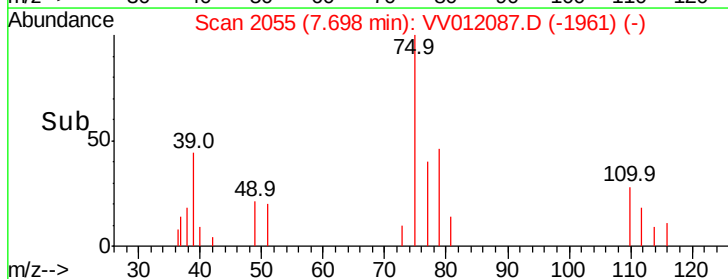
0

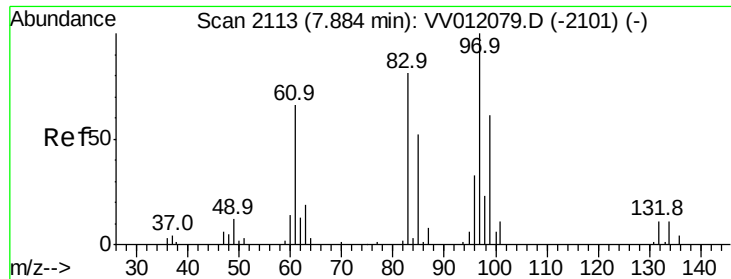
7.65

7.70

7.75

Time-->





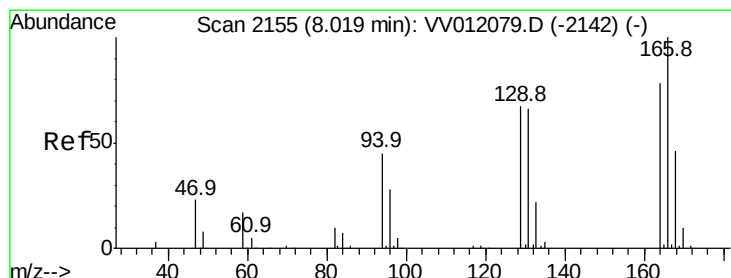
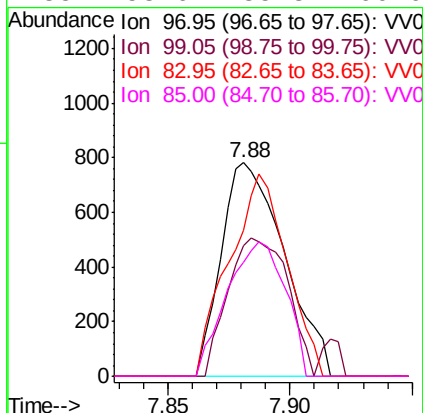
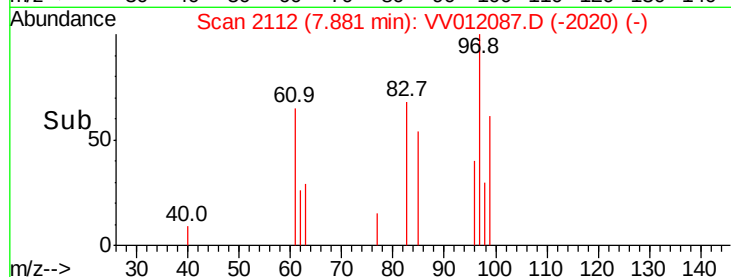
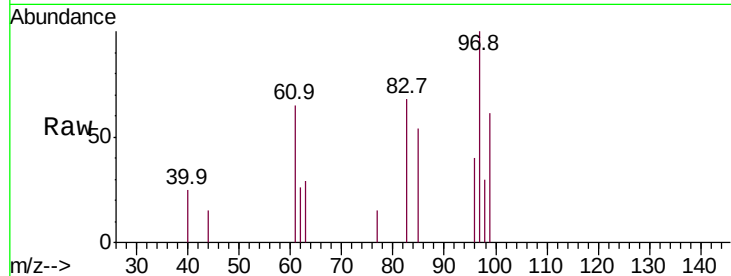
#45
1,1,2-Trichloroethane
Concen: 0.273 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	97	Resp	1406
Ion	Ratio	Lower	Upper
97	100		
99	61.3	43.3	80.3
83	68.3	56.6	105.0
85	53.6	35.8	66.6

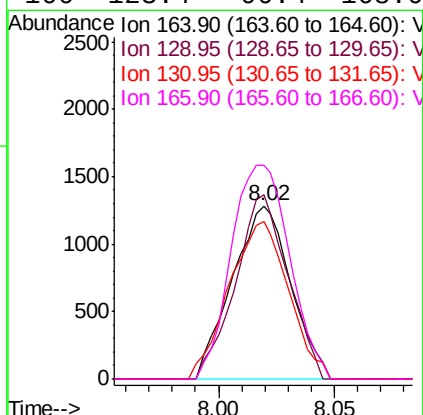
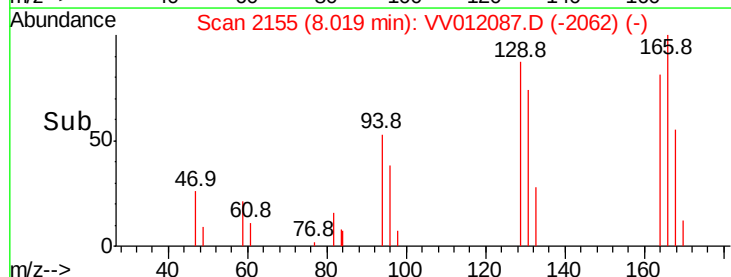
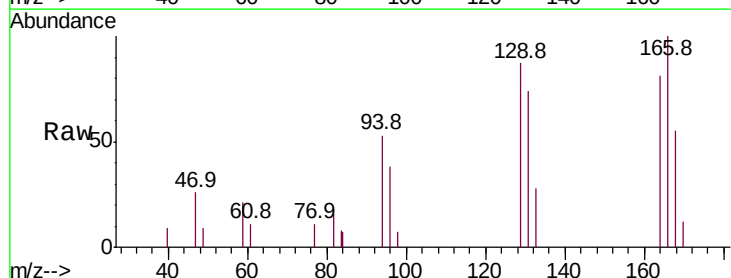
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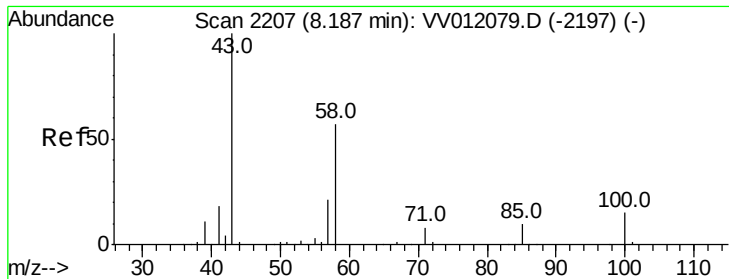
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#47
Tetrachloroethene
Concen: 0.288 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Tgt Ion	164	Resp	2249
Ion	Ratio	Lower	Upper
164	100		
129	106.8	62.5	116.1
131	91.3	60.9	113.1
166	123.4	90.4	168.0





#48

2-Hexanone

Concen: 3.323 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 43 Resp: 8679

Ion Ratio Lower Upper

43 100

58 60.3 45.7 68.5

57 24.4 17.0 25.4

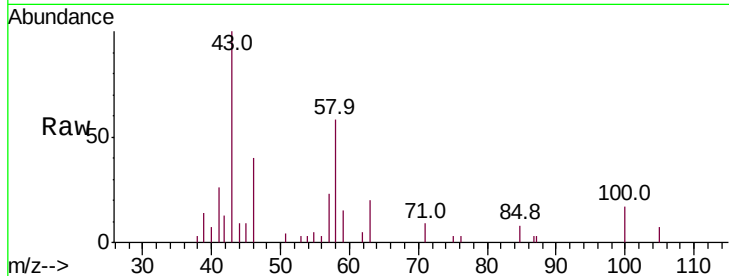
100 15.2 12.6 18.8

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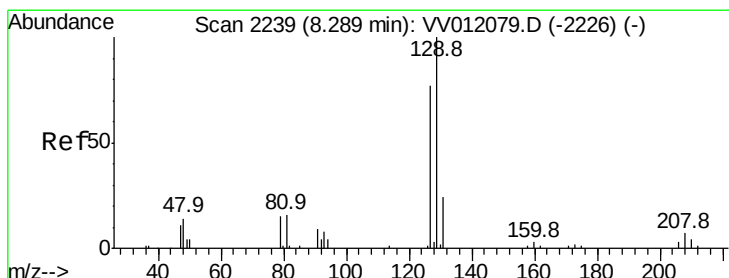
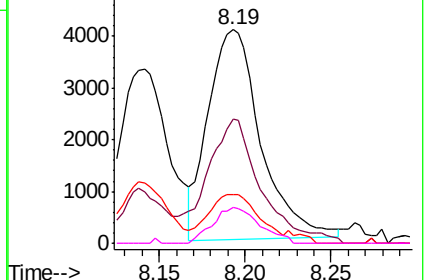
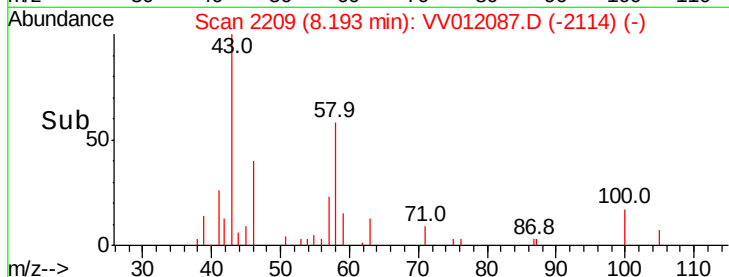


Abundance Ion 43.05 (42.75 to 43.75): VV012079.D (-2197) (-)

Ion 58.05 (57.75 to 58.75): VV012079.D (-2197) (-)

Ion 57.20 (56.90 to 57.90): VV012079.D (-2197) (-)

Ion 100.15 (99.85 to 100.85): VV012079.D (-2197) (-)



#49

Dibromochloromethane

Concen: 0.335 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV012087.D

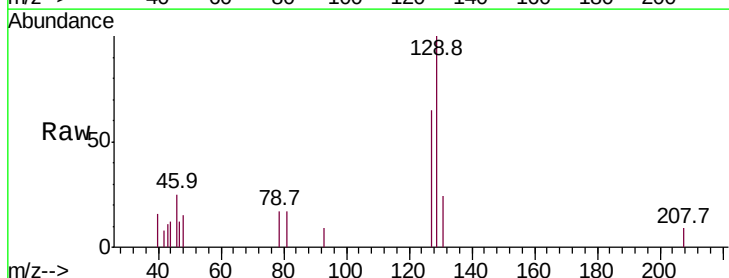
Acq: 30 Jul 2019 23:07

Tgt Ion: 129 Resp: 2233

Ion Ratio Lower Upper

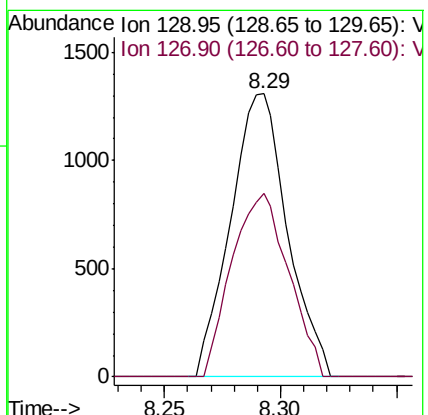
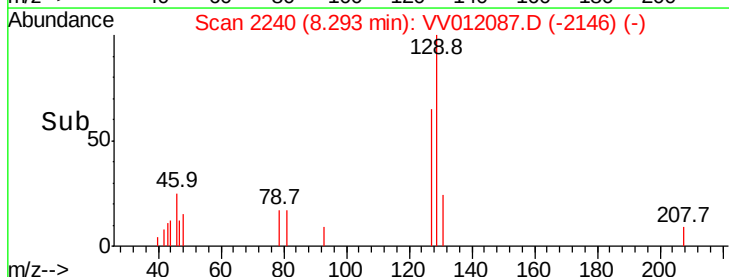
129 100

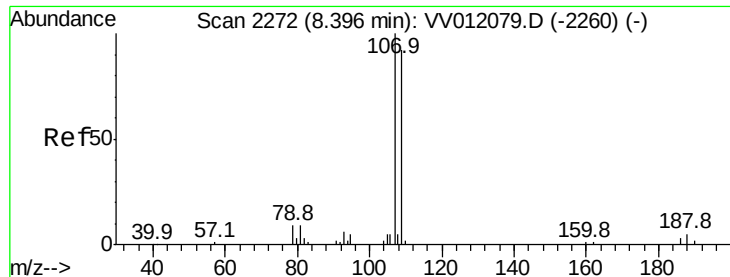
127 65.1 52.8 98.2



Abundance Ion 128.95 (128.65 to 129.65): VV012079.D (-2226) (-)

Ion 126.90 (126.60 to 127.60): VV012079.D (-2226) (-)





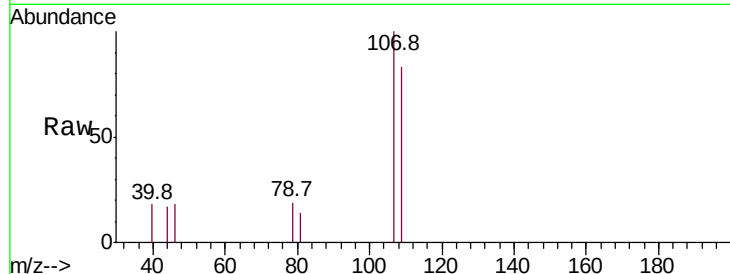
#50
1,2-Dibromoethane
Concen: 0.297 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Instrument :
MSVOA_V
ClientSampleId :
MDL04

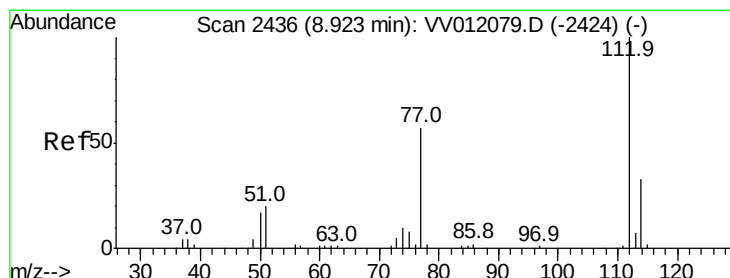
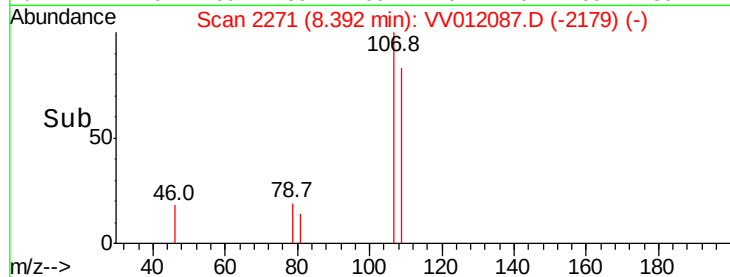
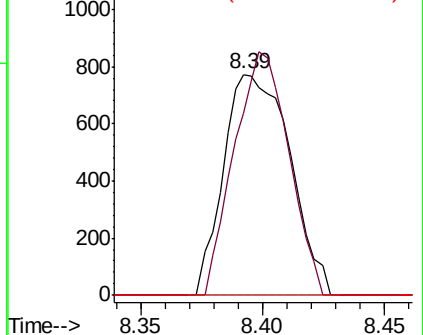
Tot Ion	Ratio	Lower	Upper
107	100		
109	82.7	64.7	120.1
188	0.0	3.4	5.0#

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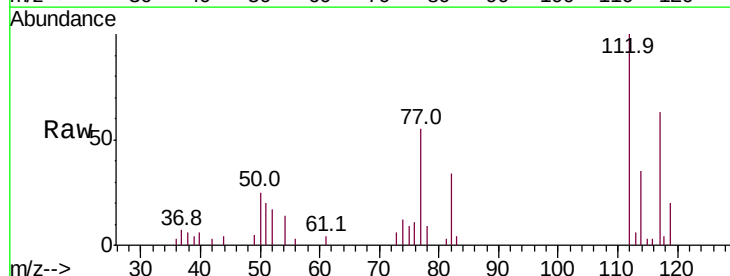


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

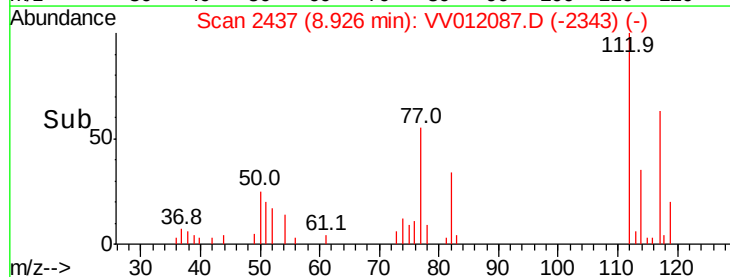
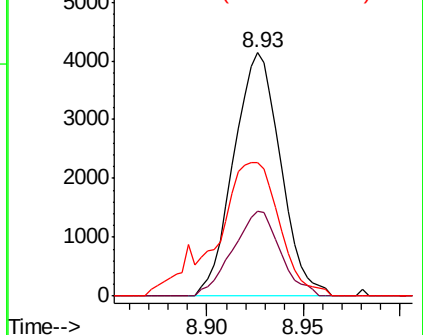


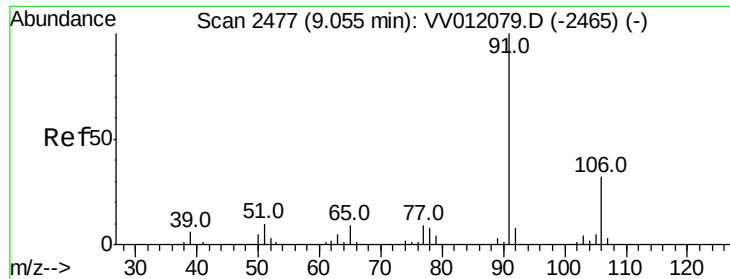
#51
Chlorobenzene
Concen: 0.315 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.8	22.4	41.6
77	55.1	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: 0.281 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 10551

Ion Ratio Lower Upper

91 100

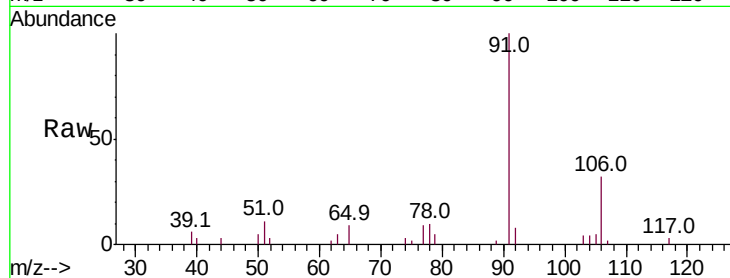
106 31.8 21.6 40.0

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Abundance Ion 91.15 (90.85 to 91.85): VV012087.D (-2384) (-)

Ion 106.15 (105.85 to 106.85): VV012087.D (-2384) (-)

9.05

6000

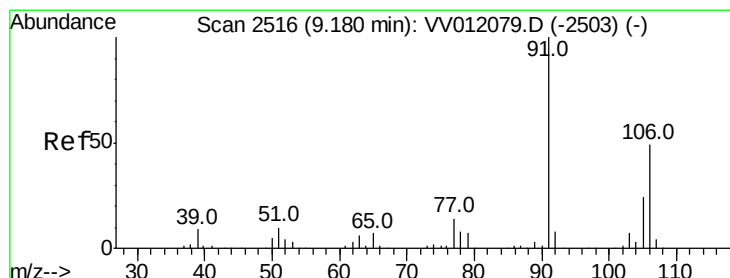
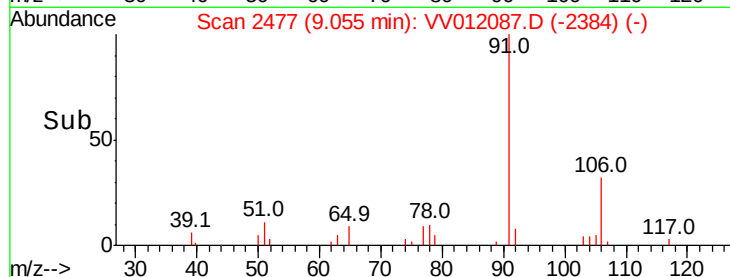
4000

2000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 0.276 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012087.D

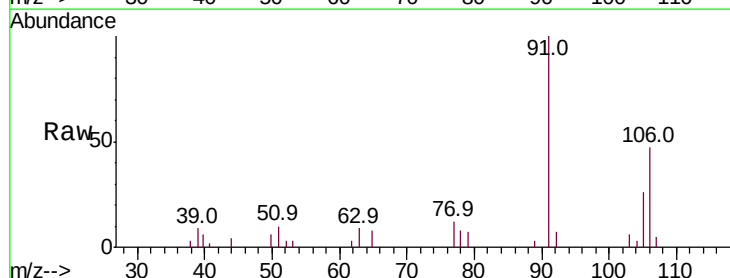
Acq: 30 Jul 2019 23:07

Tgt Ion: 106 Resp: 3975

Ion Ratio Lower Upper

106 100

91 211.9 148.7 276.3



Abundance Ion 106.15 (105.85 to 106.85): VV012087.D (-2423) (-)

Ion 91.15 (90.85 to 91.85): VV012087.D (-2423) (-)

9.18

5000

4000

3000

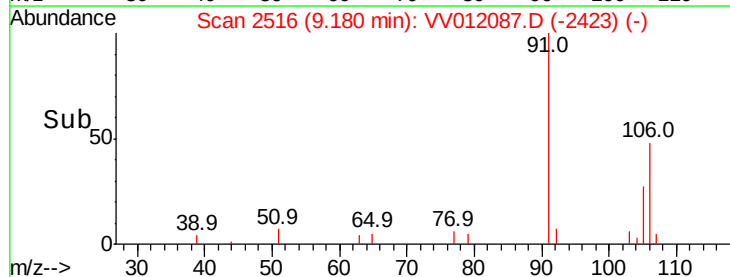
2000

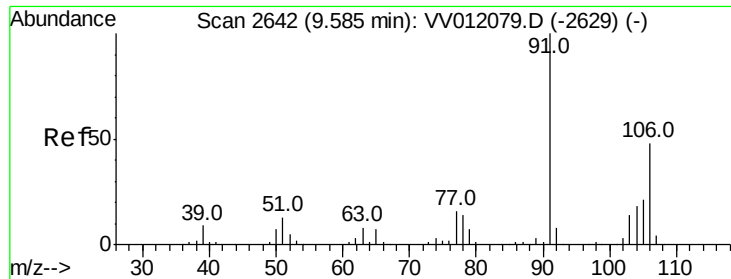
1000

0

9.15 9.20

Time-->





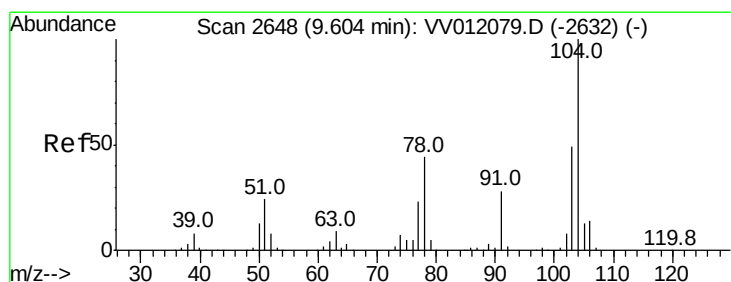
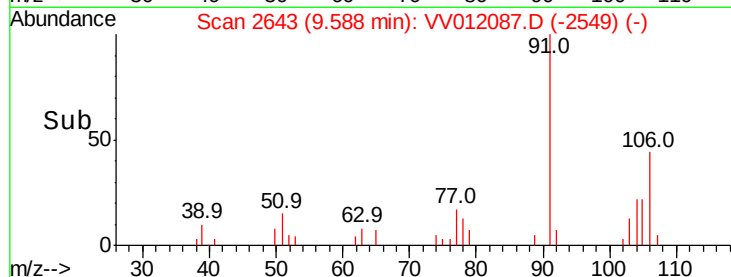
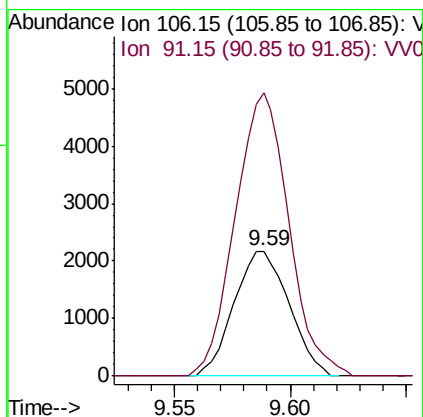
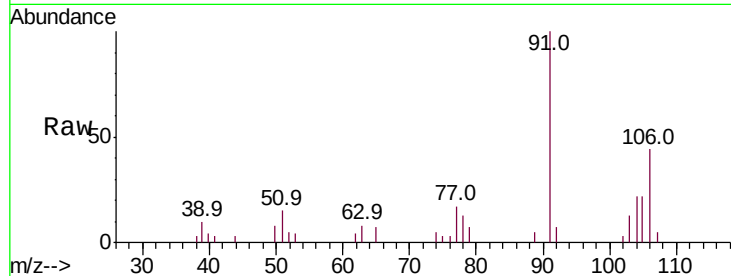
#54
o-xylene
Concen: 0.260 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion:106 Resp: 3586
Ion Ratio Lower Upper
106 100
91 227.0 147.7 274.3

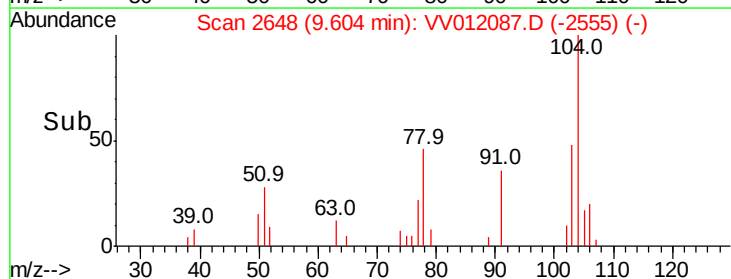
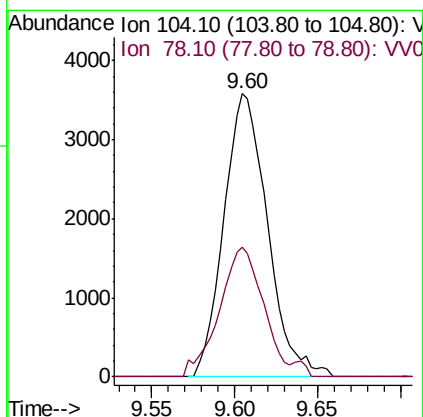
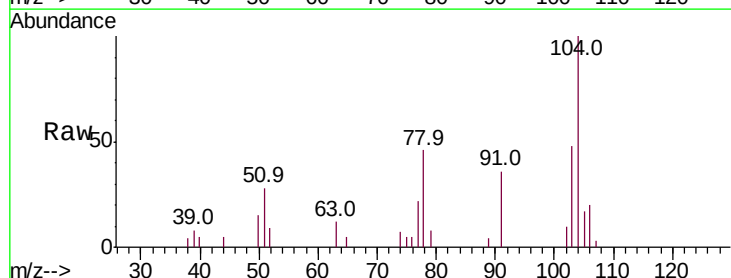
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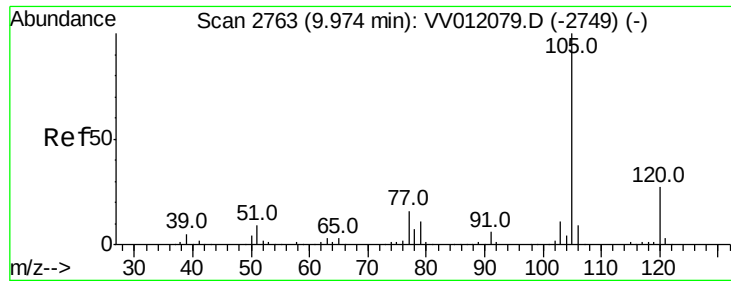
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#55
Styrene
Concen: 0.280 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Tgt Ion:104 Resp: 6553
Ion Ratio Lower Upper
104 100
78 45.8 31.7 58.9





#56

Isopropylbenzene

Concen: 0.268 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Instrument :

MSVOA_V

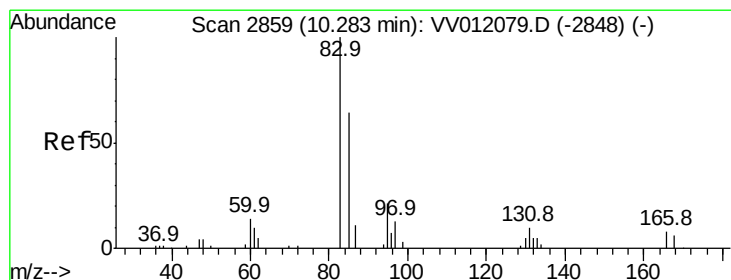
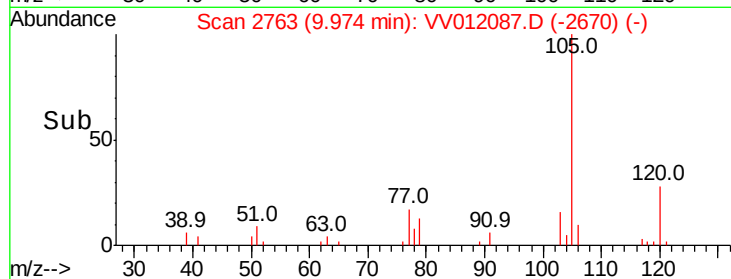
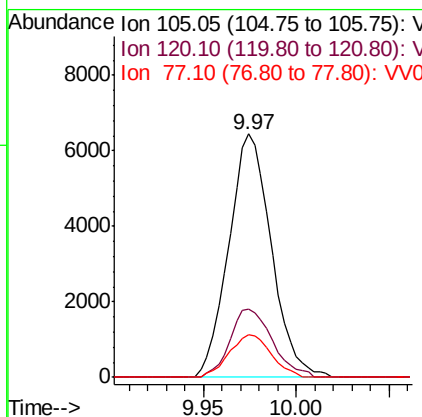
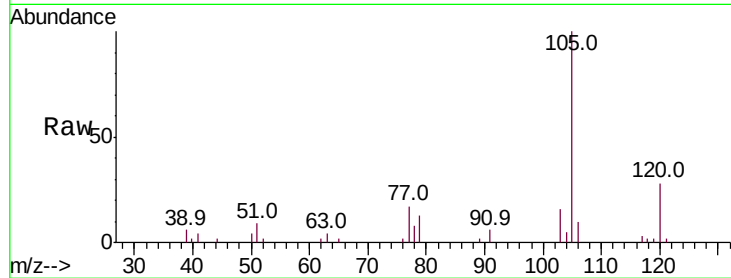
ClientSampleId :

MDL04

Tot Ion:	105	Resp:	10266
Ion Ratio	Lower	Upper	
105	100		
120	28.0	21.8	32.8
77	17.2	12.7	19.1

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.320 ug/L

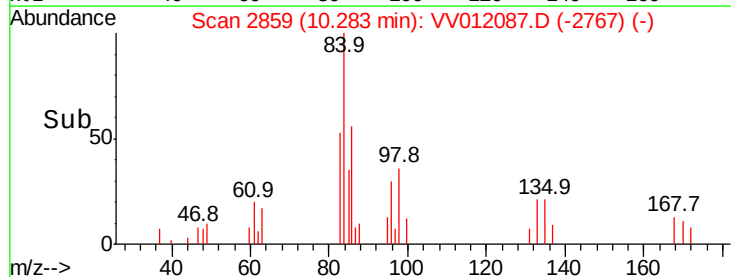
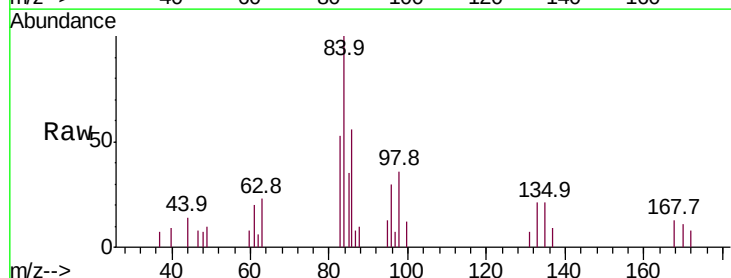
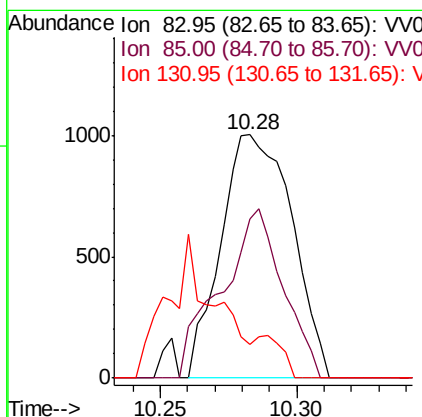
RT: 10.28 min Scan# 2859

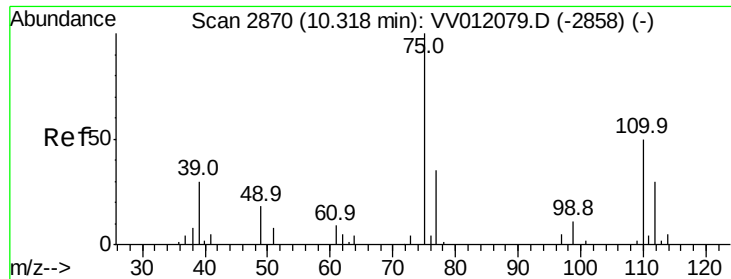
Delta R.T. -0.00 min

Lab File: VV012087.D

Acq: 30 Jul 2019 23:07

Tgt Ion:	83	Resp:	1819
Ion Ratio	Lower	Upper	
83	100		
85	65.3	45.1	83.7
131	14.1	10.3	15.5





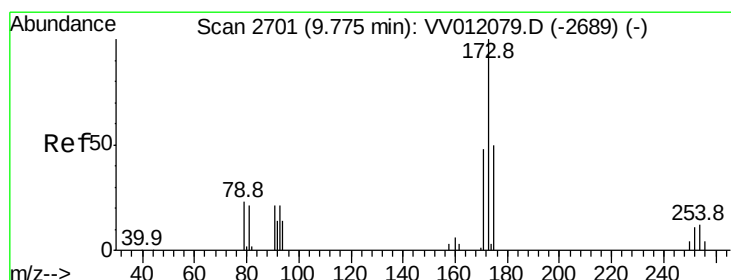
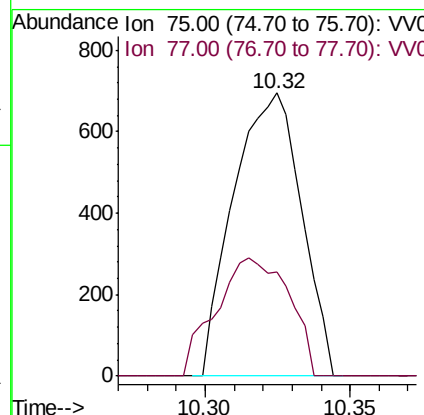
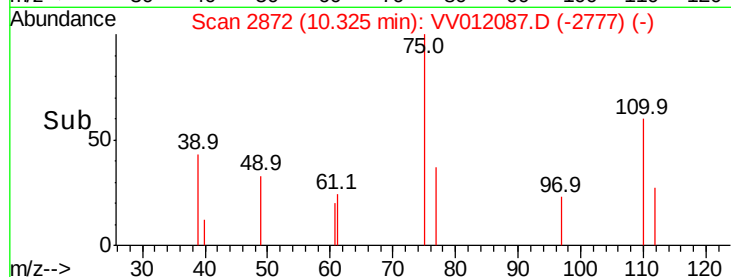
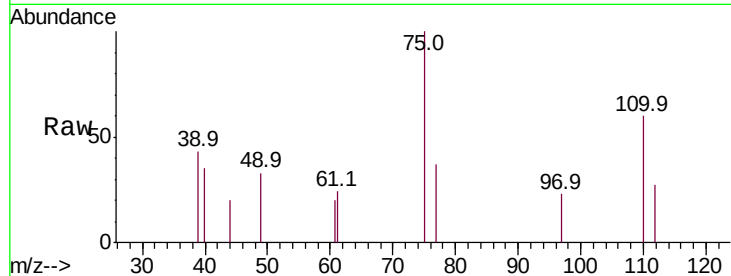
#59
 1,2,3-Trichloropropane
 Concen: 0.264 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.01 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion: 75 Resp: 1132
 Ion Ratio Lower Upper
 75 100
 77 44.8 26.9 40.3#

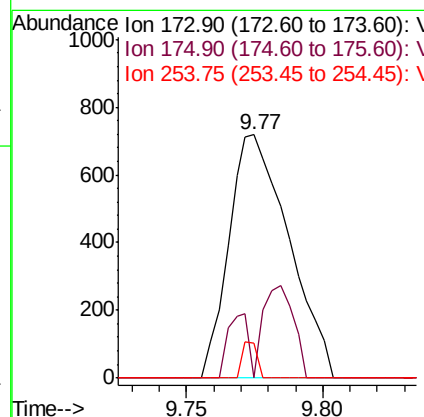
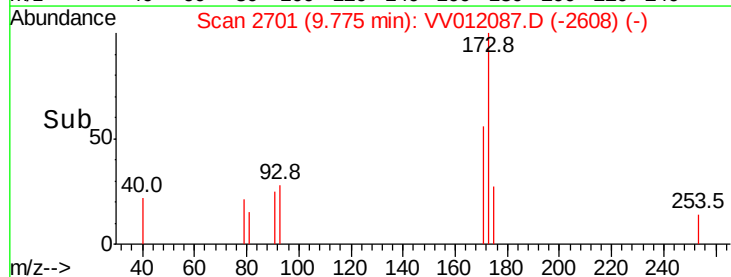
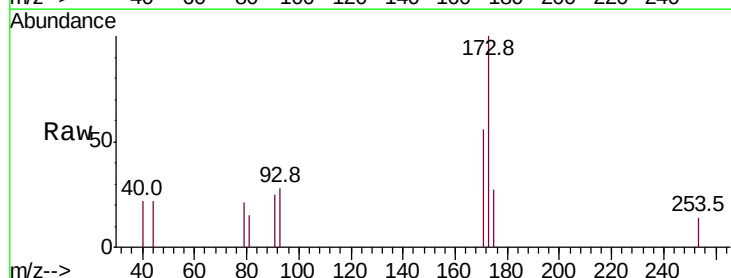
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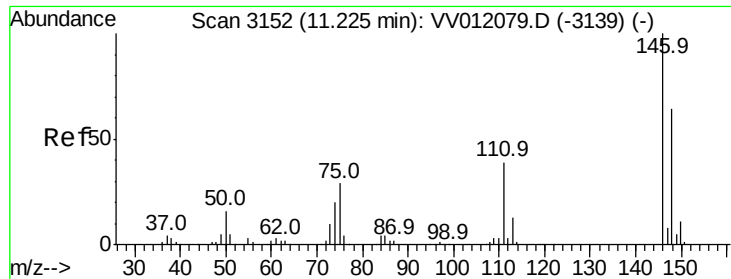
MMdadoda
 8/1/2019 9:58:27 AM



#61
 Bromoform
 Concen: 0.321 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Tgt Ion: 173 Resp: 1095
 Ion Ratio Lower Upper
 173 100
 175 9.1 39.4 59.2#
 254 3.7 8.7 13.1#





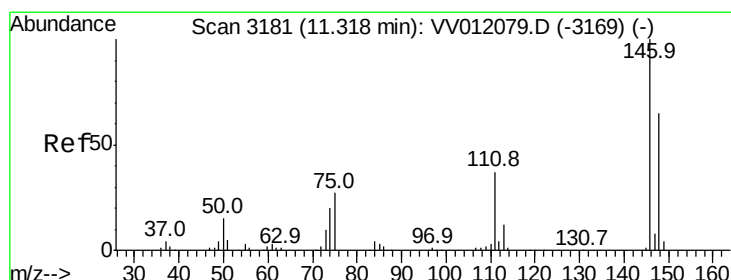
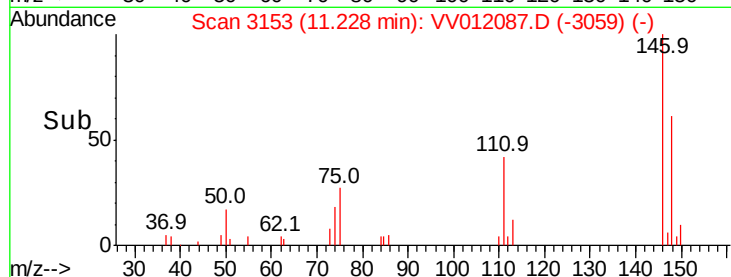
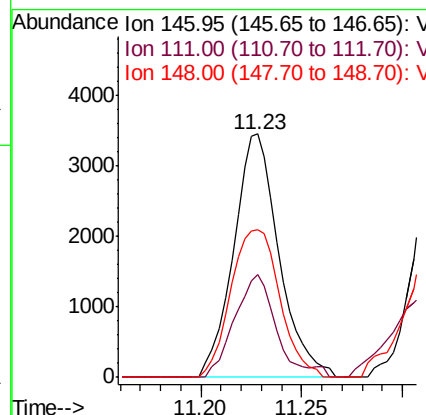
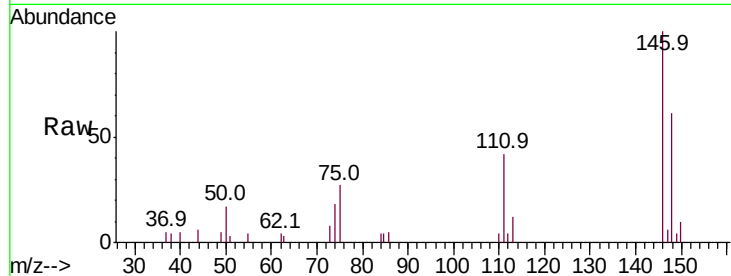
#62
 1,3-Dichlorobenzene
 Concen: 0.307 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	27.2	50.6
148	60.6	45.9	85.3

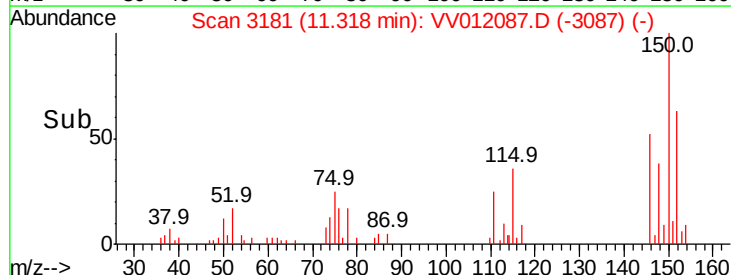
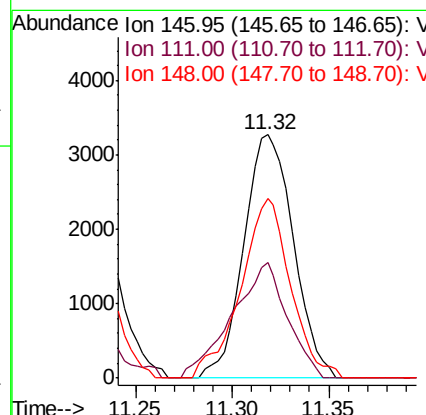
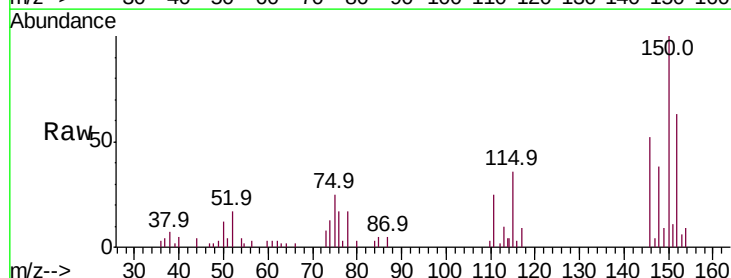
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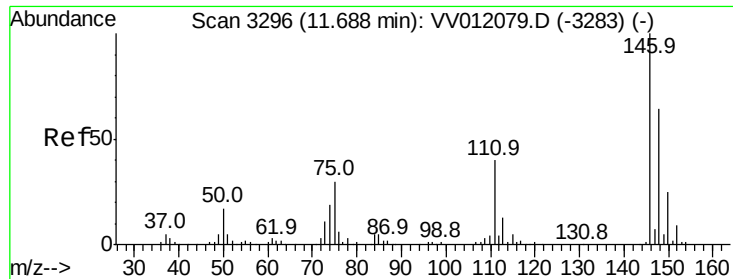
MMDadoda
 8/1/2019 9:58:27 AM



#63
 1,4-Dichlorobenzene
 Concen: 0.322 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.5	25.4	47.2#
148	73.6	43.5	80.7





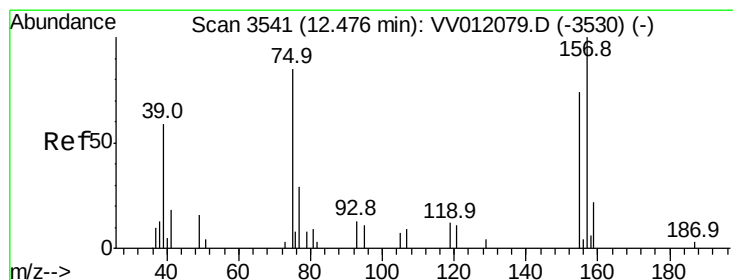
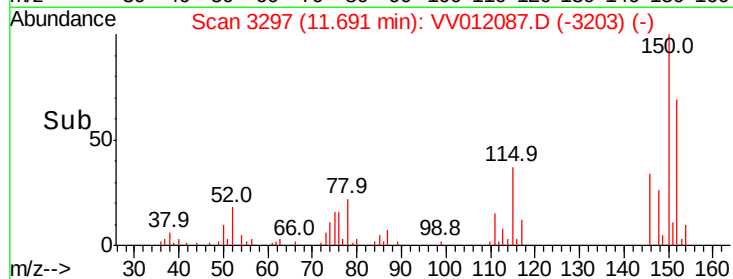
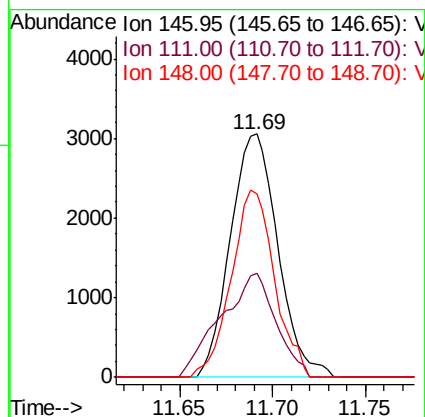
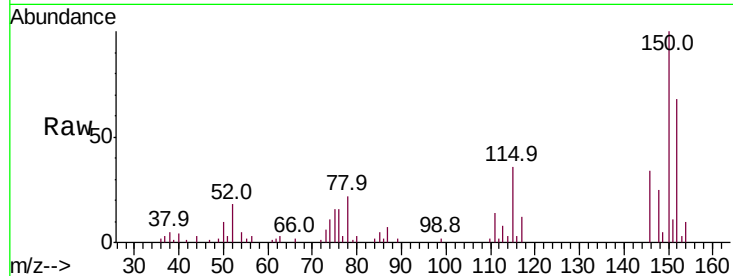
#65
 1,2-Dichlorobenzene
 Concen: 0.340 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	32.3	48.5
148	75.1	49.9	74.9#

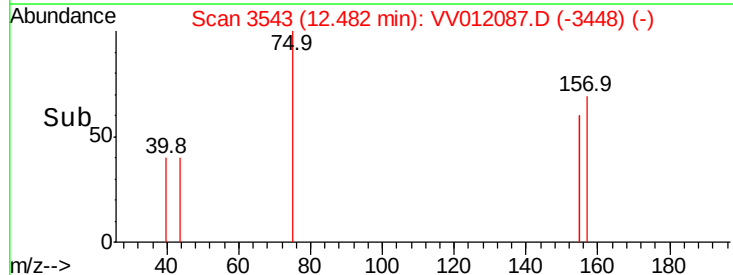
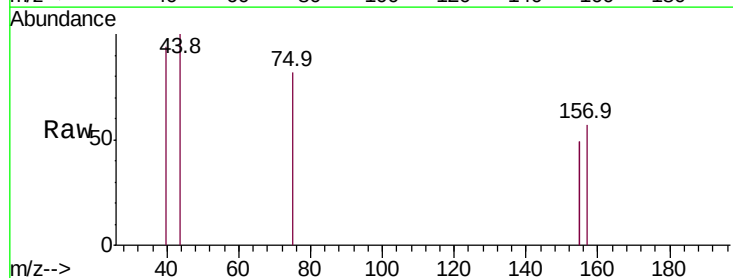
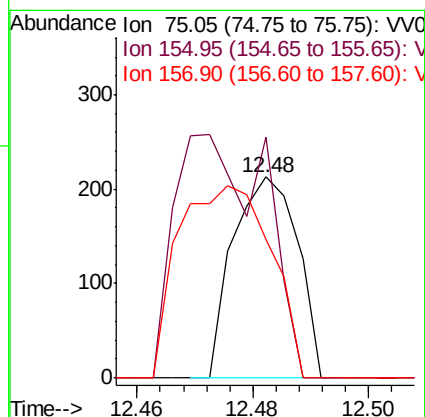
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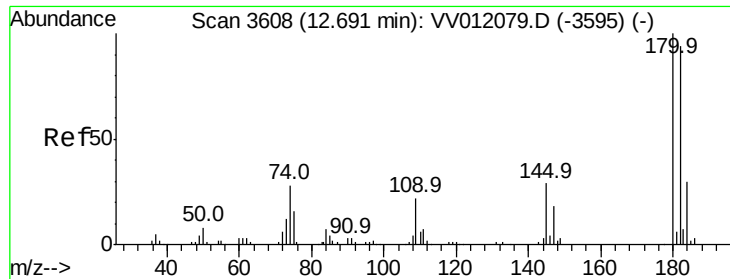
MMdadoda
 8/1/2019 9:58:27 AM



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.191 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.01 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	119.7	66.9	100.3#
157	69.0	81.8	122.6#





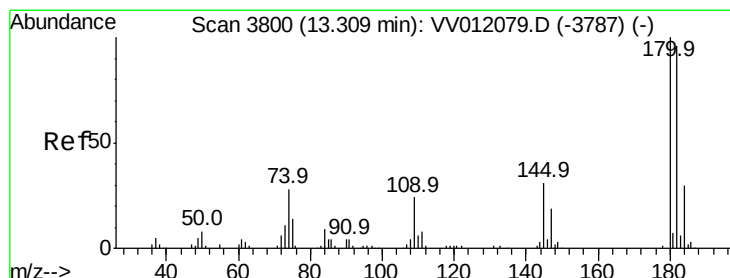
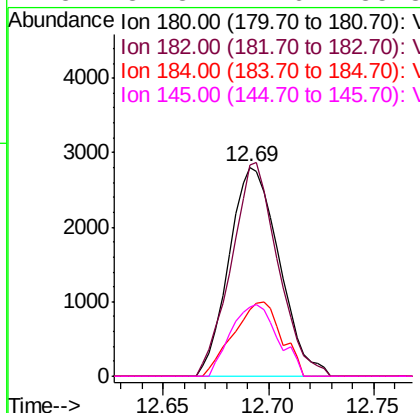
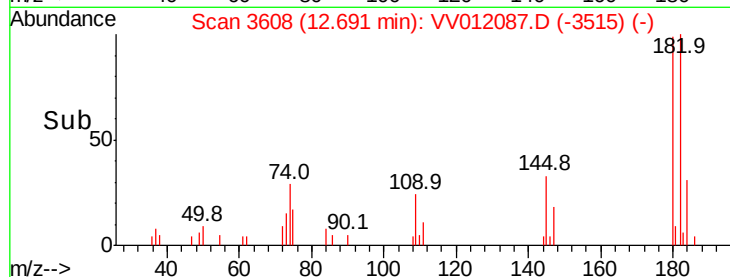
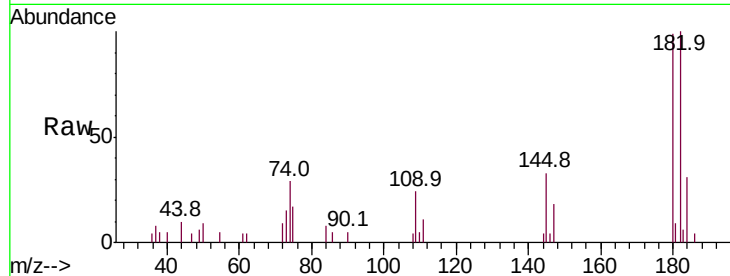
#67
 1,3,5-Trichlorobenzene
 Concen: 0.318 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.6	115.0
184	34.1	23.8	35.8
145	32.3	22.6	33.8

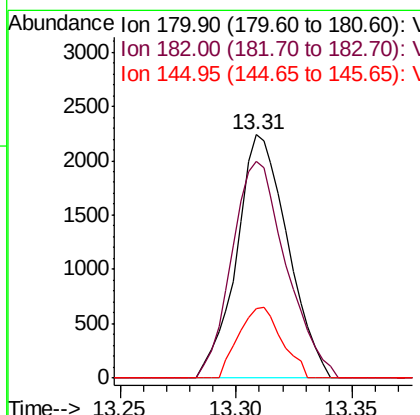
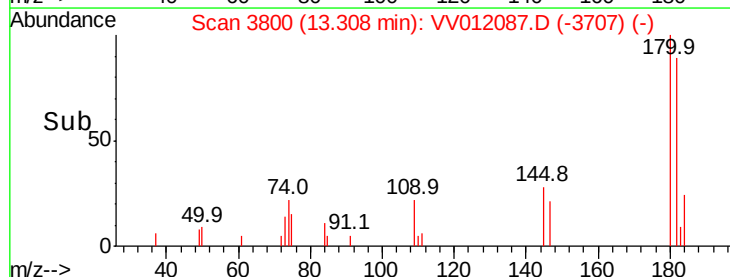
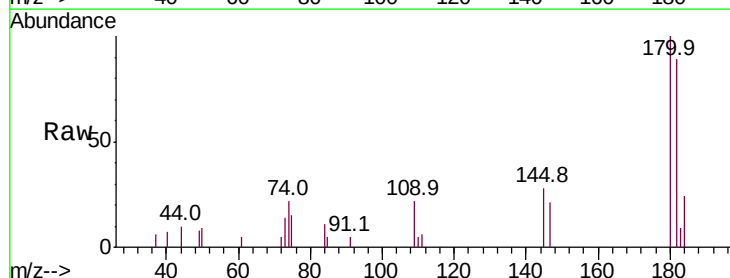
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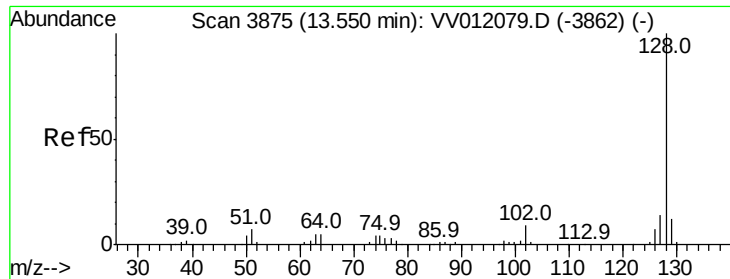
MMdadoda
 8/1/2019 9:58:27 AM



#68
 1,2,4-trichlorobenzene
 Concen: 0.293 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012087.D
 Acq: 30 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.4	113.0
145	24.5	23.5	35.3





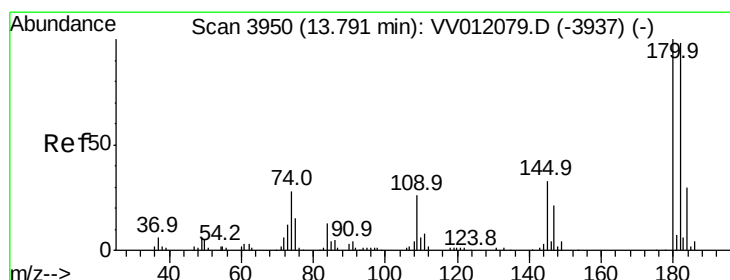
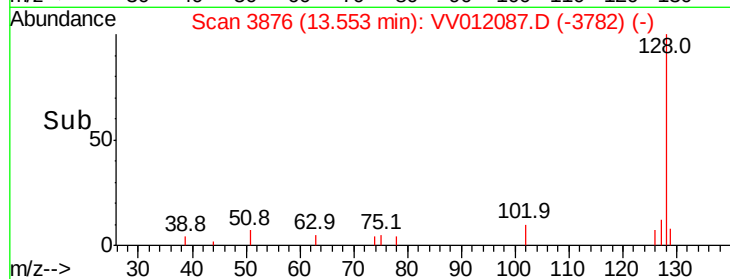
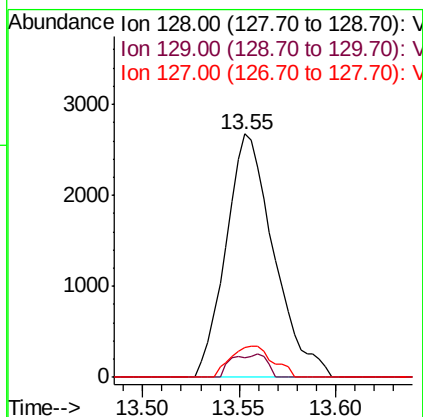
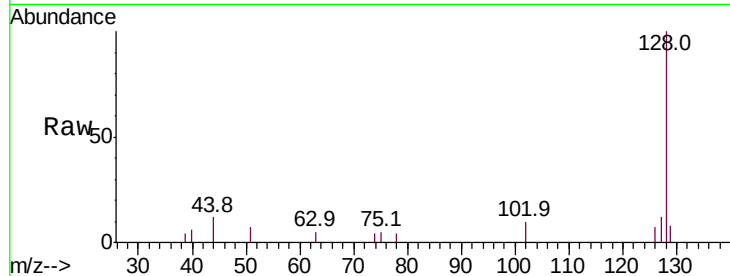
#69
Naphthalene
Concen: 0.292 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
128	100		
129	7.0	8.4	12.6#
127	11.4	10.0	15.0

Manual Integrations
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MMdadoda
8/1/2019 9:58:27 AM



#70
1,2,3-Trichlorobenzene
Concen: 0.282 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV012087.D
Acq: 30 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.5	76.5	114.7
145	34.6	24.4	36.6

