

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073119\
 Data File : VV012085.D
 Acq On : 30 Jul 2019 22:17
 Operator : SY/MD
 Sample : MDL02
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 9:58:15 AM

Quant Time: Jul 31 06:33:52 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	110585	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	106579	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	55151	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25535	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.59	69	19932	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.13	63	42110	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	3.97	46	74254	51.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.02%
24) Chloroform-d	4.40	84	69728	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.08	65	40764	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.10	84	137759	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.12	67	37784	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.36	98	128486	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	7.67	79	15840	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.14	63	57758	51.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.60%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	27005	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	53159	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3436	0.280 ug/L	98
3) Chloromethane	1.25	50	1896	0.324 ug/L	95
5) Vinyl chloride	1.32	62	1920	0.300 ug/L #	62
6) Bromomethane	1.54	94	1078	0.272 ug/L	88
8) Chloroethane	1.60	64	1322	0.371 ug/L	87
9) Trichlorofluoromethane	1.77	101	4001	0.322 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1965	0.371 ug/L	87
12) 1,1-Dichloroethene	2.14	96	1918	0.395 ug/L #	1
13) Acetone	2.24	43	2568	3.501 ug/L	78
14) Carbon disulfide	2.32	76	4192	0.316 ug/L	100
15) Methyl Acetate	2.48	43	503	0.302 ug/L #	63
16) Methylene chloride	2.54	84	1743	0.346 ug/L #	77
17) Methyl tert-butyl Ether	2.81	73	4699	0.291 ug/L #	90
18) trans-1,2-Dichloroethene	2.78	96	2294	0.317 ug/L	89
19) 1,1-Dichloroethane	3.23	63	3863	0.300 ug/L #	85
21) 2-Butanone	4.07	43	4740m	3.259 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2281	0.294 ug/L	97

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

23) Bromochloromethane	4.30	128	811	0.233	ug/L	94
25) Chloroform	4.43	83	11292	0.676	ug/L	97
27) 1,2-Dichloroethane	5.19	62	2890	0.314	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	4060	0.293	ug/L #	87
30) Cyclohexane	4.72	56	3014	0.286	ug/L #	89
31) Carbon tetrachloride	4.88	117	3337	0.269	ug/L	97
33) Benzene	5.15	78	8278	0.293	ug/L	100
34) Trichloroethene	5.96	95	2534	0.311	ug/L	84
35) Methylcyclohexane	6.17	83	3412	0.276	ug/L #	90
37) 1,2-Dichloropropane	6.23	63	1913	0.293	ug/L #	82
38) Bromodichloromethane	6.56	83	2849	0.297	ug/L	94
39) cis-1,3-Dichloropropene	7.07	75	2691	0.265	ug/L	85
40) 4-Methyl-2-pentanone	7.28	43	9180	2.581	ug/L #	85
42) Toluene	7.43	91	9756	0.316	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	2586m	0.315	ug/L	
45) 1,1,2-Trichloroethane	7.89	97	1645	0.338	ug/L	84
47) Tetrachloroethene	8.02	164	2168	0.293	ug/L	90
48) 2-Hexanone	8.19	43	8202	3.316	ug/L	95
49) Dibromochloromethane	8.29	129	1788	0.283	ug/L	92
50) 1,2-Dibromoethane	8.40	107	1549	0.332	ug/L #	98
51) Chlorobenzene	8.92	112	6494	0.310	ug/L	96
52) Ethylbenzene	9.05	91	10115	0.284	ug/L	97
53) m,p-xylene	9.18	106	3756	0.275	ug/L	97
54) o-xylene	9.59	106	3693	0.282	ug/L	100
55) Styrene	9.61	104	5419	0.244	ug/L	98
56) Isopropylbenzene	9.97	105	9742	0.269	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	1804	0.335	ug/L	89
59) 1,2,3-Trichloropropane	10.32	75	1203	0.296	ug/L	90
61) Bromoform	9.77	173	980	0.299	ug/L #	88
62) 1,3-Dichlorobenzene	11.22	146	5266	0.310	ug/L	90
63) 1,4-Dichlorobenzene	11.32	146	5686	0.328	ug/L	93
65) 1,2-Dichlorobenzene	11.69	146	4943	0.322	ug/L #	86
66) 1,2-Dibromo-3-chloropropan	12.48	75	210	0.254	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	4525	0.325	ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	3326	0.296	ug/L	88
69) Naphthalene	13.56	128	4129	0.273	ug/L #	92
70) 1,2,3-Trichlorobenzene	13.79	180	3008	0.301	ug/L	96

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

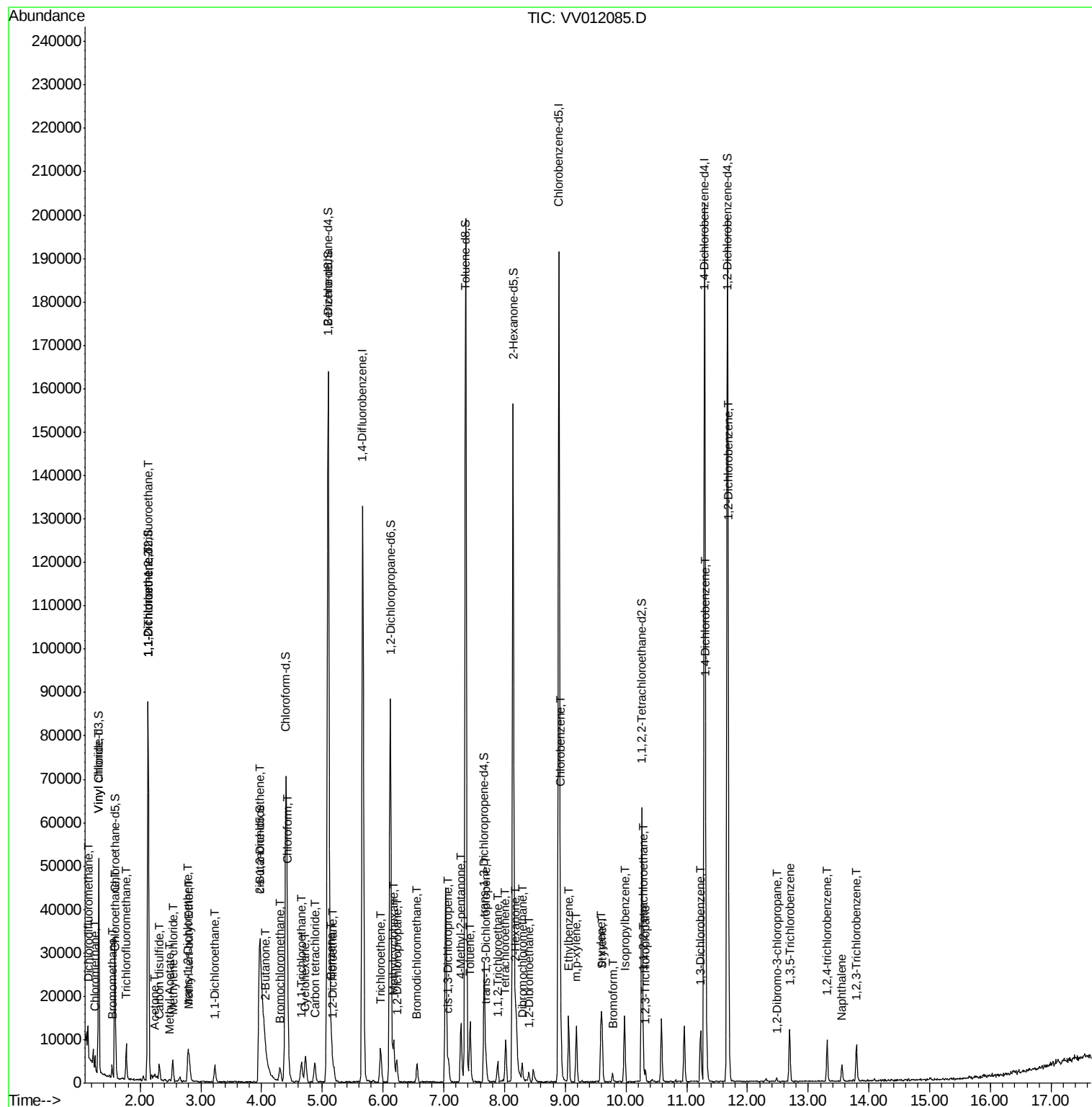
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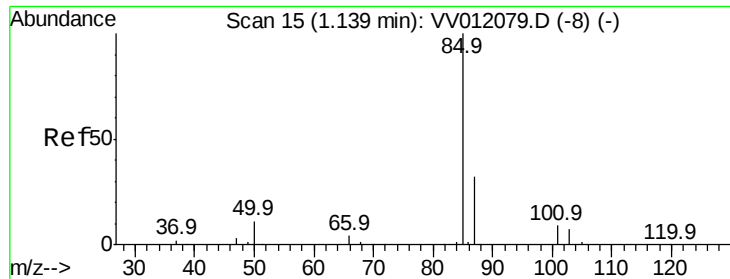
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#2

Dichlorodifluoromethane

Concen: 0.280 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 85 Resp: 3436

Ion Ratio Lower Upper

85 100

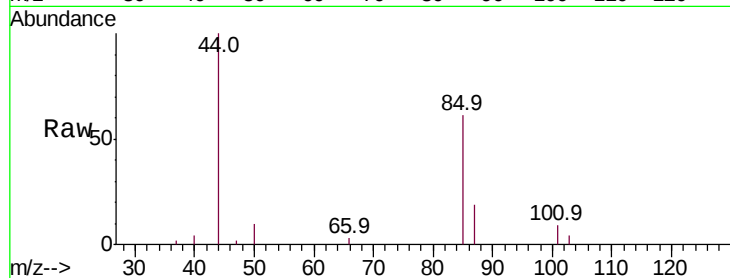
87 33.2 25.6 38.4

Manual Integrations

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

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

1.14

4000

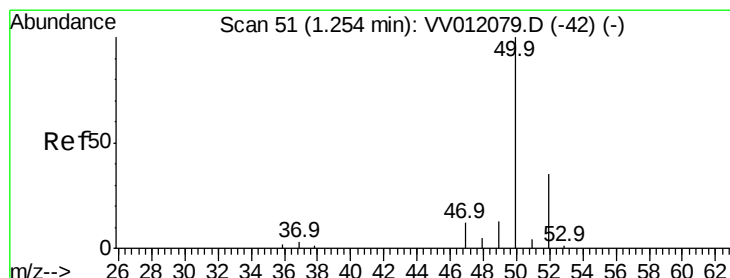
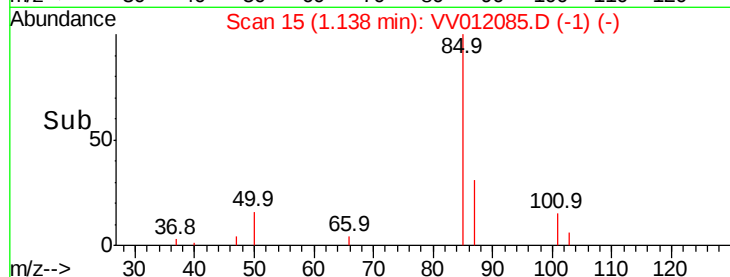
3000

2000

1000

0

Time-->



#3

Chloromethane

Concen: 0.324 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012085.D

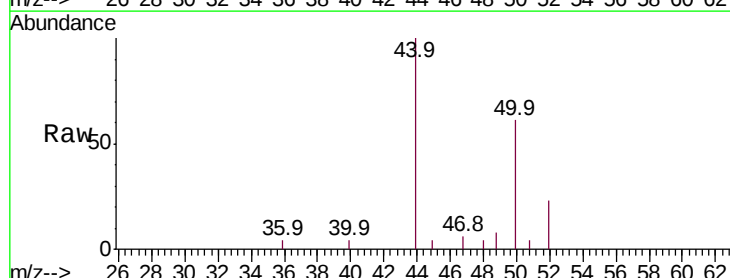
Acq: 30 Jul 2019 22:17

Tgt Ion: 50 Resp: 1896

Ion Ratio Lower Upper

50 100

52 36.9 23.7 43.9



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

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

1.25

2000

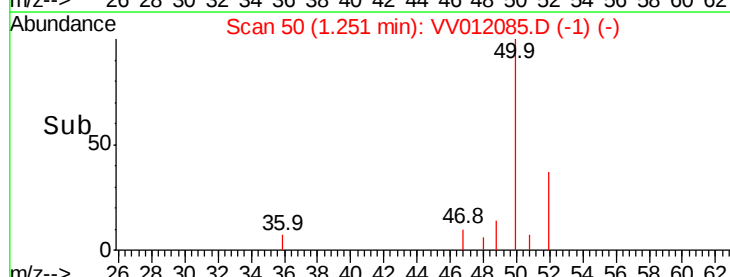
1500

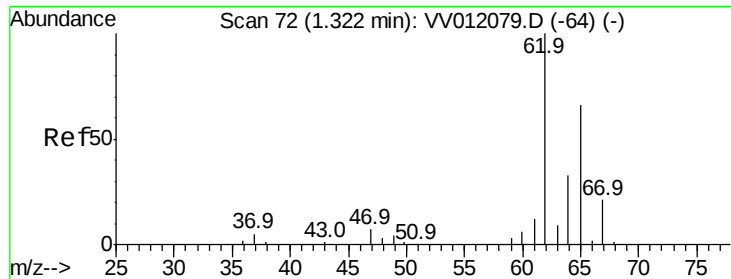
1000

500

0

Time-->





#5

Vinyl chloride

Concen: 0.300 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 62 Resp: 1920

Ion Ratio Lower Upper

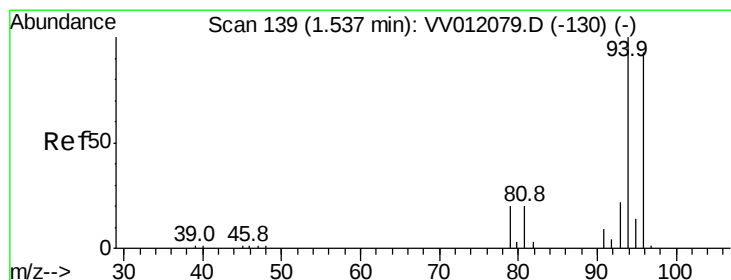
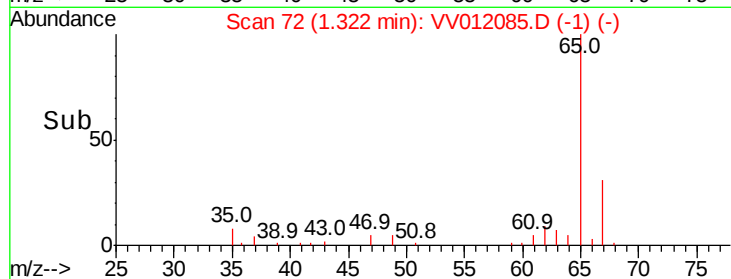
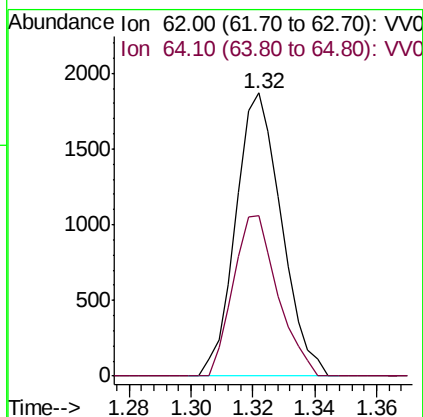
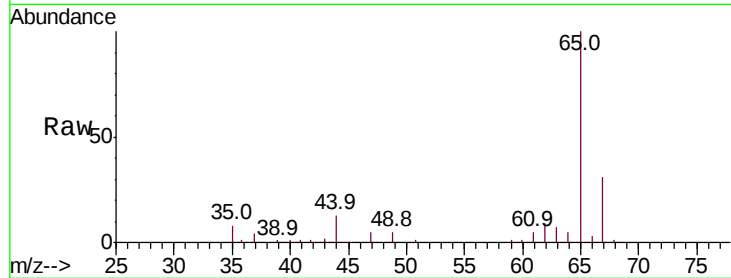
62 100

64 56.8 24.3 45.1#

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#6

Bromomethane

Concen: 0.272 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012085.D

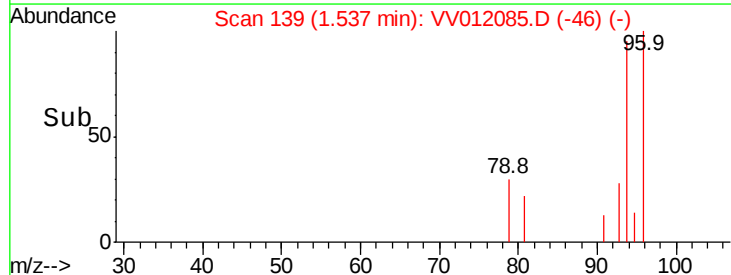
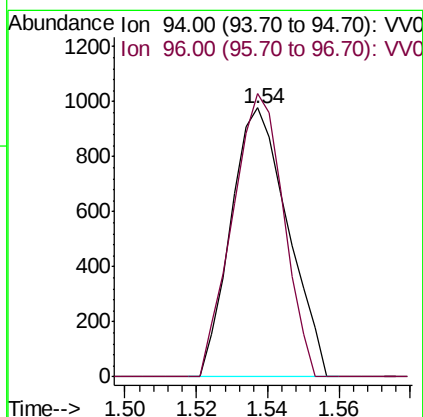
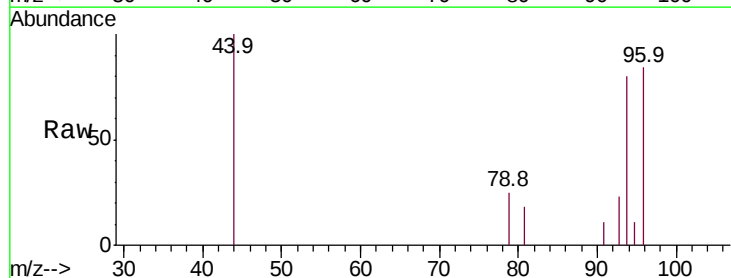
Acq: 30 Jul 2019 22:17

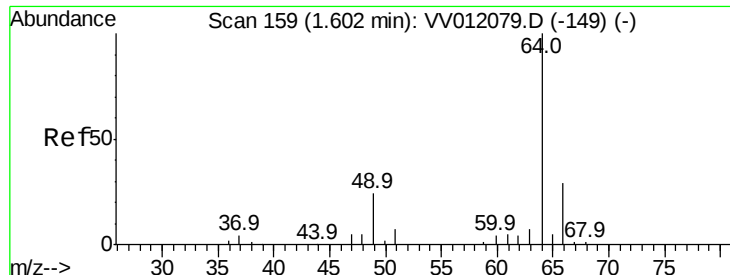
Tgt Ion: 94 Resp: 1078

Ion Ratio Lower Upper

94 100

96 105.1 65.6 121.8





#8

Chloroethane

Concen: 0.371 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 64 Resp: 1322

Ion Ratio Lower Upper

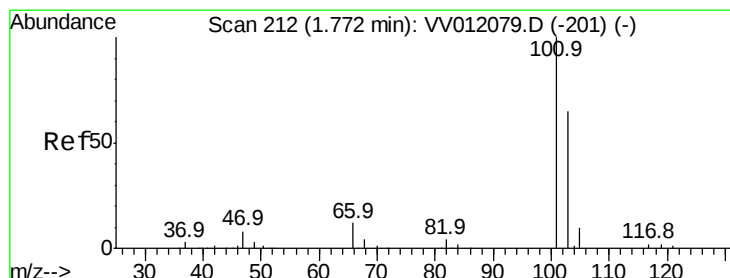
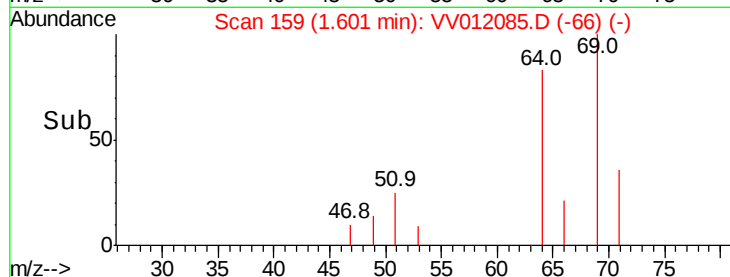
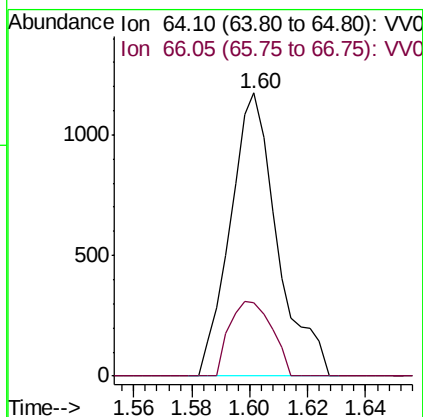
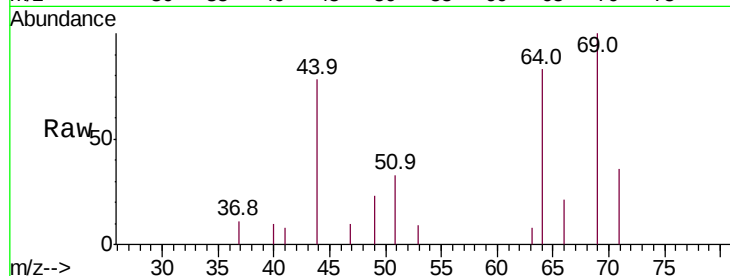
64 100

66 25.8 23.1 42.9

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 0.322 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012085.D

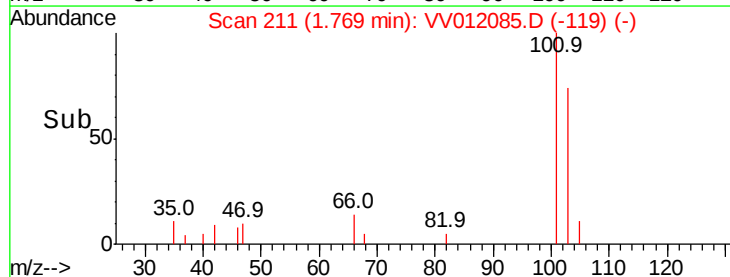
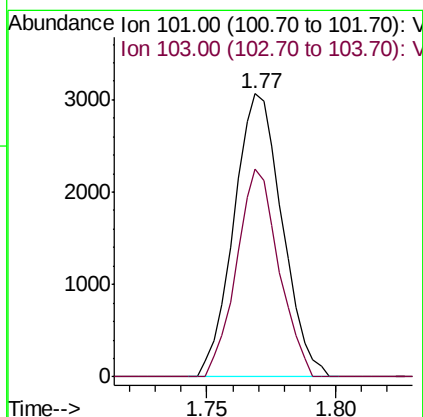
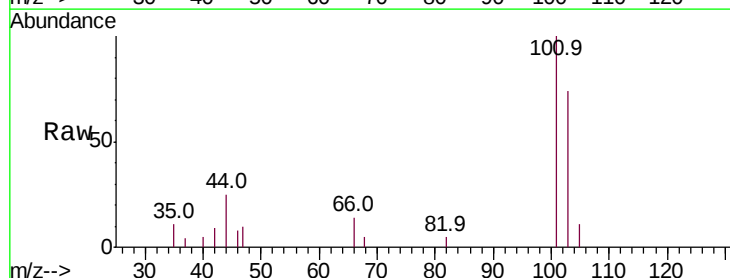
Acq: 30 Jul 2019 22:17

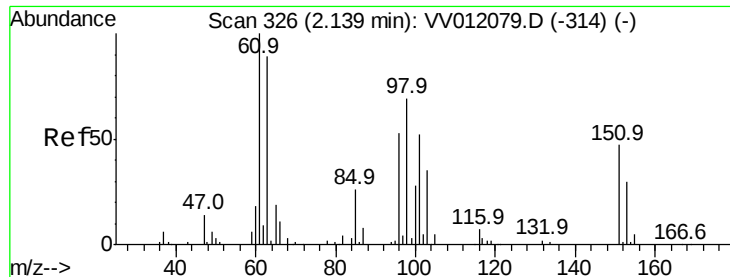
Tgt Ion: 101 Resp: 4001

Ion Ratio Lower Upper

101 100

103 64.3 51.3 76.9





#10

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

Concen: 0.371 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

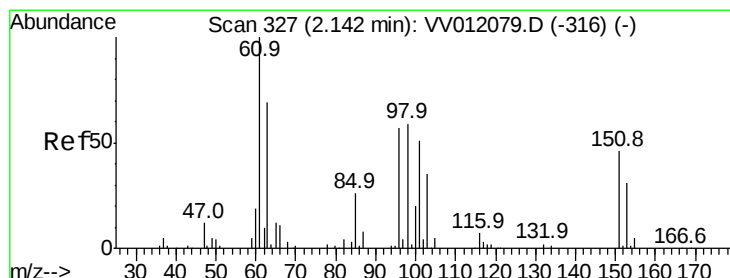
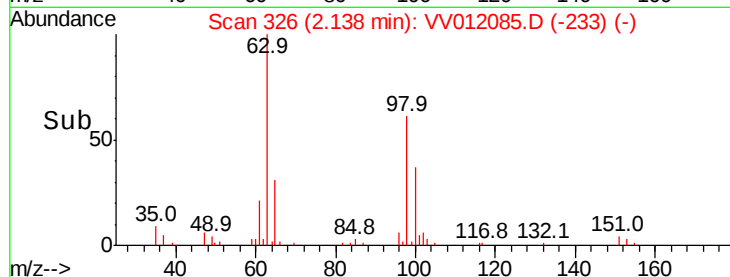
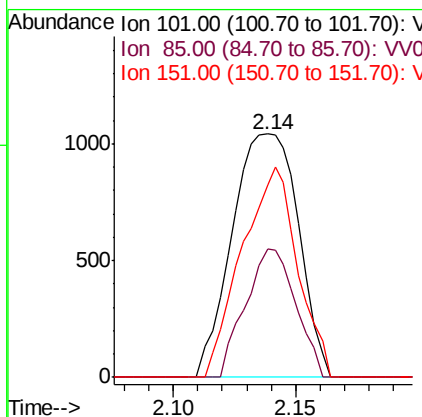
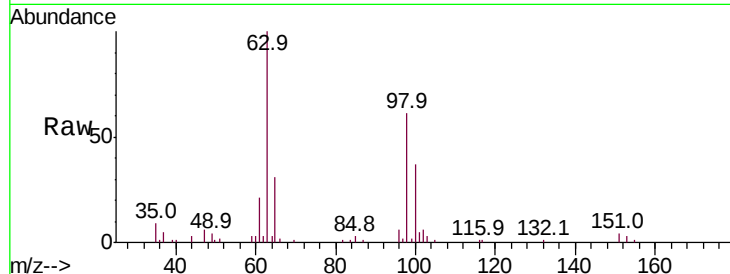
ClientSampled :

MDL02

Tot Ion:	101	Resp:	1965
Ion Ratio	Lower	Upper	
101	100		
85	39.8	37.4	56.2
151	72.7	69.1	103.7

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#12

1,1-Dichloroethene

Concen: 0.395 ug/L

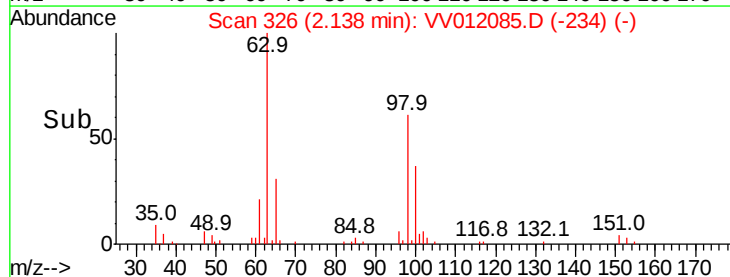
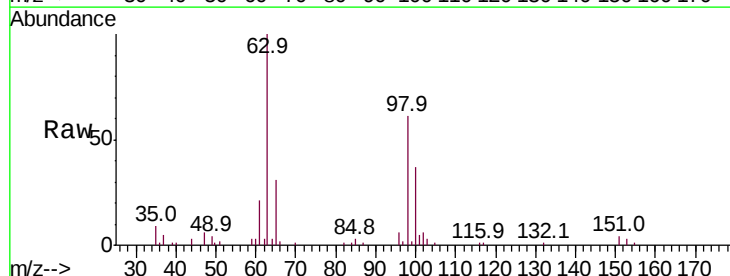
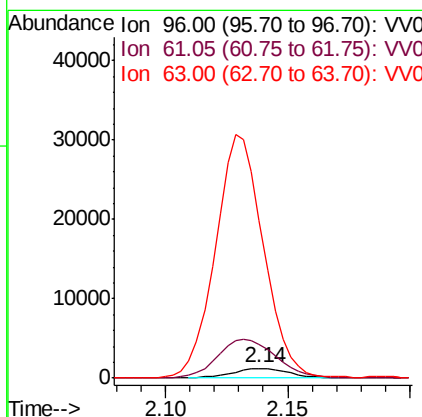
RT: 2.14 min Scan# 326

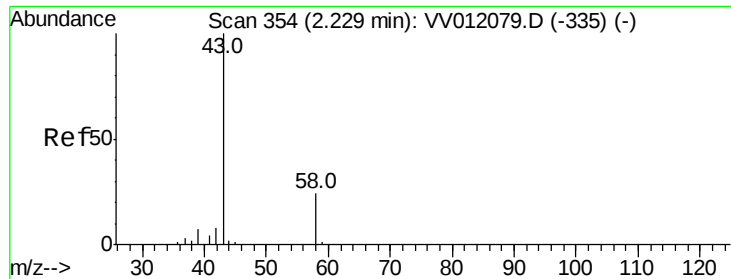
Delta R.T. -0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Tgt Ion:	96	Resp:	1918
Ion Ratio	Lower	Upper	
96	100		
61	339.3	126.9	235.7#
63	1586.0	87.6	162.8#





#13

Acetone

Concen: 3.501 ug/L

RT: 2.24 min Scan# 358

Delta R.T. 0.01 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 43 Resp: 2568

Ion Ratio Lower Upper

43 100

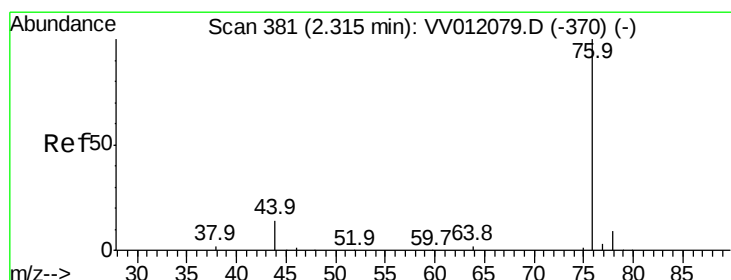
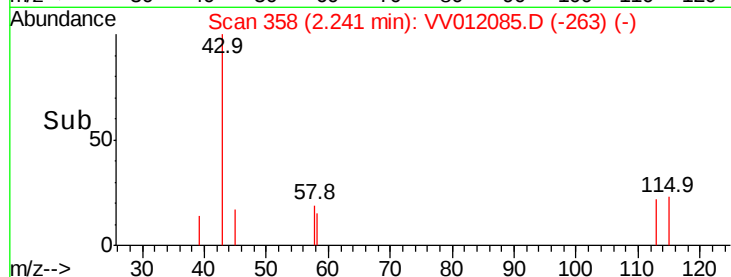
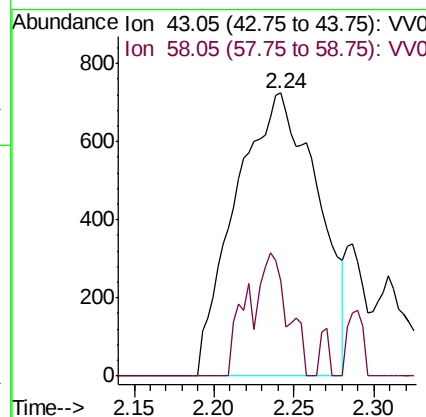
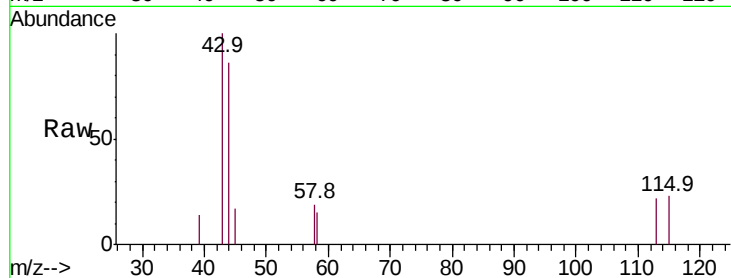
58 14.4 0.0 51.0

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#14

Carbon disulfide

Concen: 0.316 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012085.D

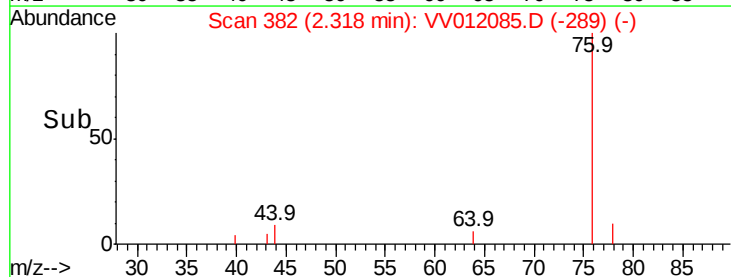
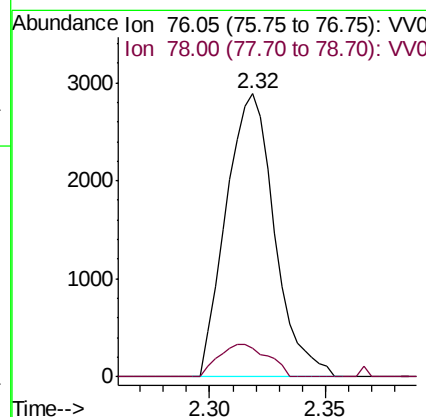
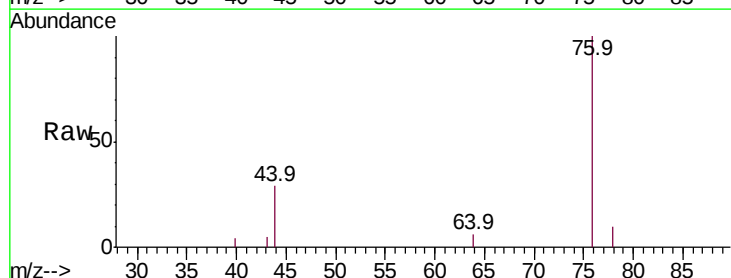
Acq: 30 Jul 2019 22:17

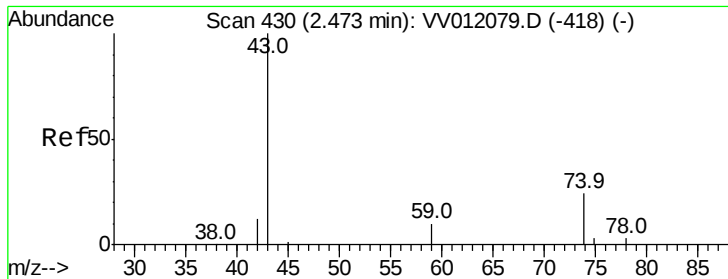
Tgt Ion: 76 Resp: 4192

Ion Ratio Lower Upper

76 100

78 9.9 7.9 11.9





#15

Methyl Acetate

Concen: 0.302 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 43 Resp: 503

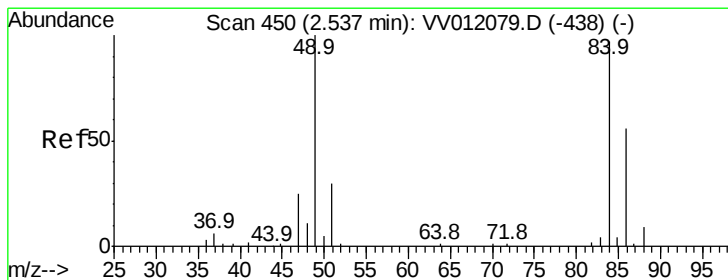
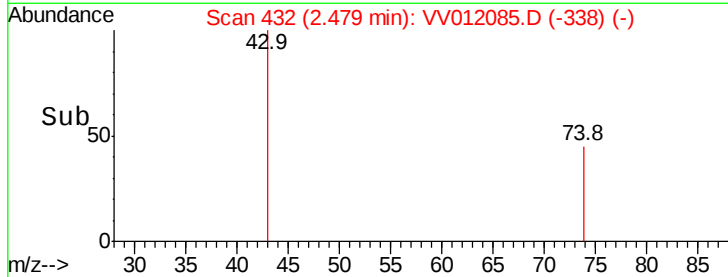
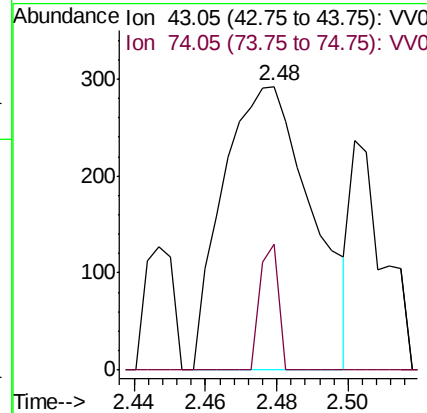
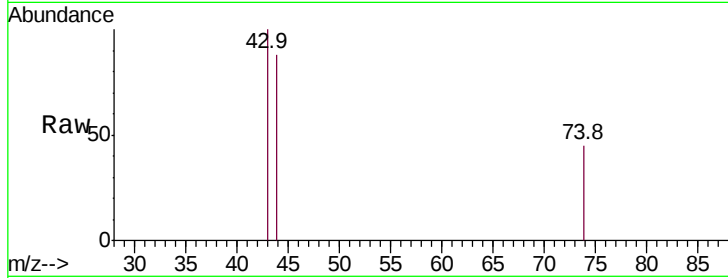
Ion Ratio Lower Upper

43 100

74 9.3 23.4 35.0#

Manual Integrations
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#16

Methylene chloride

Concen: 0.346 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

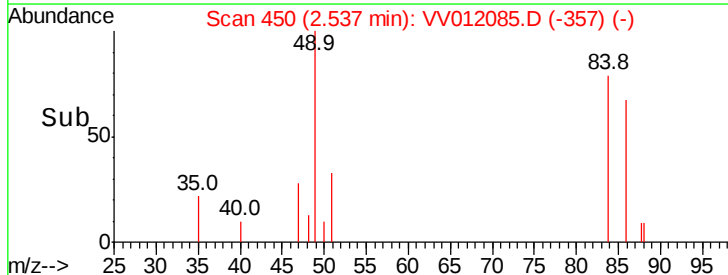
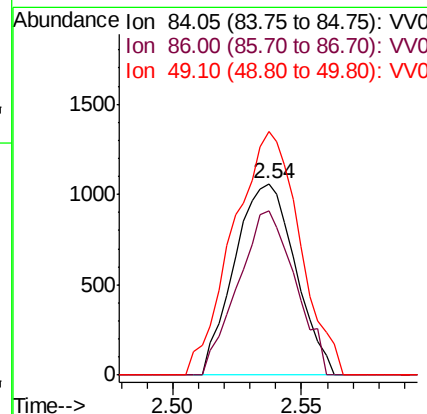
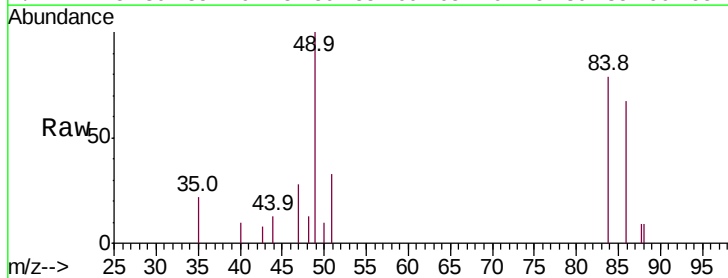
Tgt Ion: 84 Resp: 1743

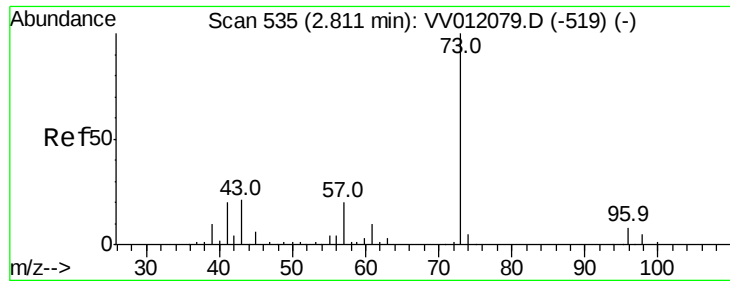
Ion Ratio Lower Upper

84 100

86 85.5 45.0 83.6#

49 127.0 74.4 138.2





#17

Methvl tert-butvl Ether

Concen: 0.291 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

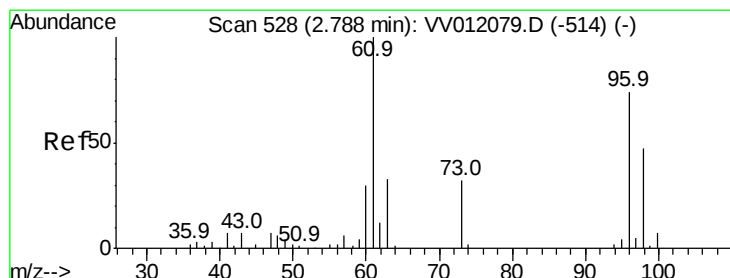
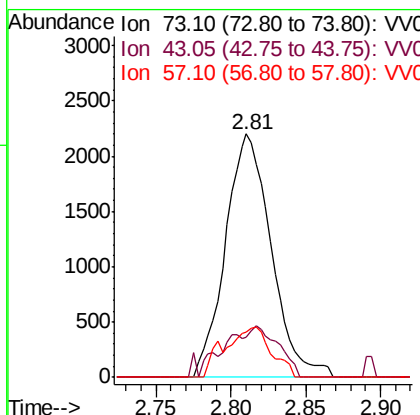
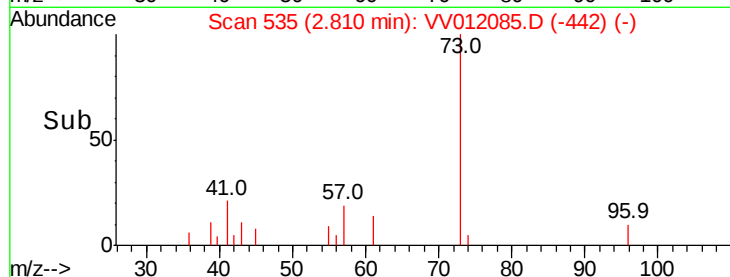
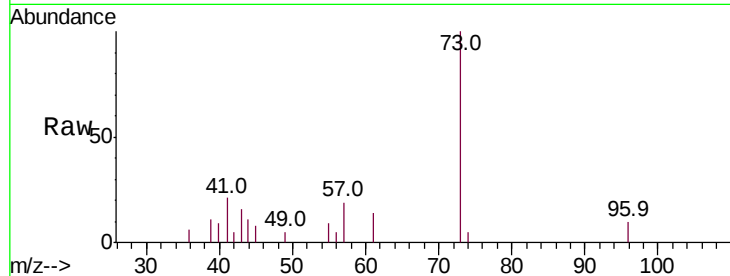
Instrument :
MSVOA_V

ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
73	100		
43	14.6	17.2	25.8#
57	17.1	15.1	22.7

Manual Integrations
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#18

trans-1,2-Dichloroethene

Concen: 0.317 ug/L

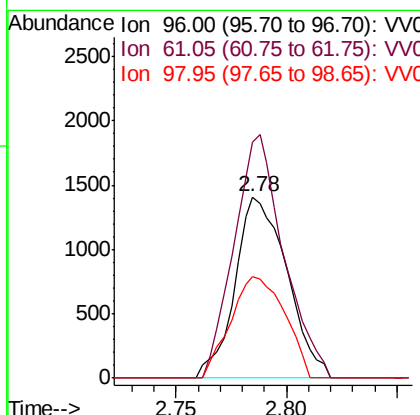
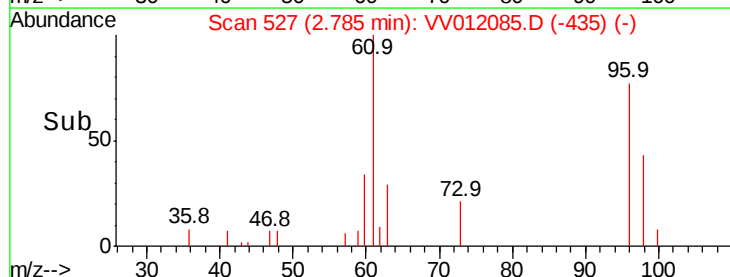
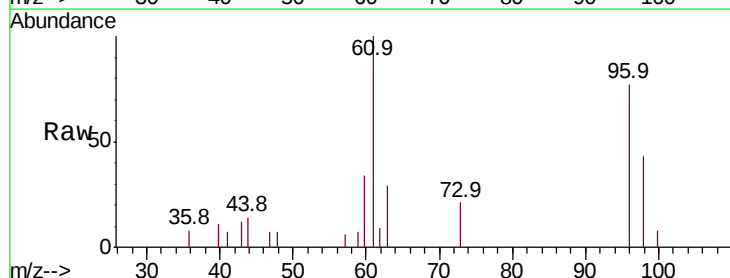
RT: 2.78 min Scan# 527

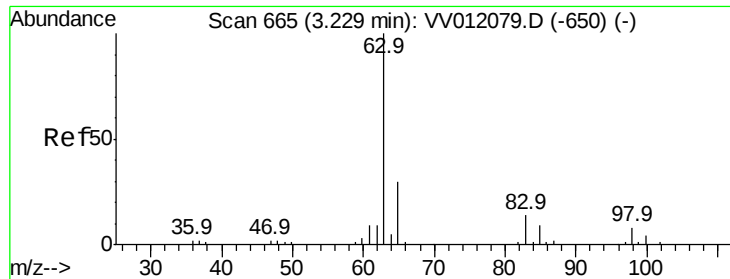
Delta R.T. -0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.4	99.0	184.0
98	56.0	47.9	88.9





#19

1,1-Dichloroethane

Concen: 0.300 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

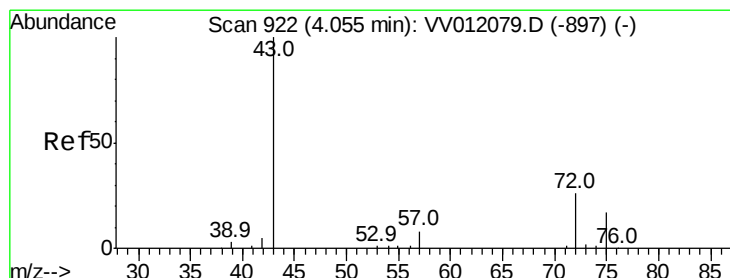
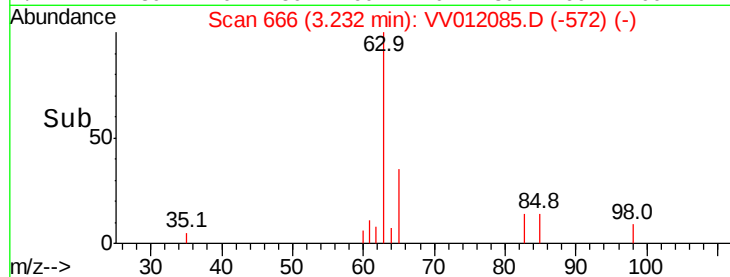
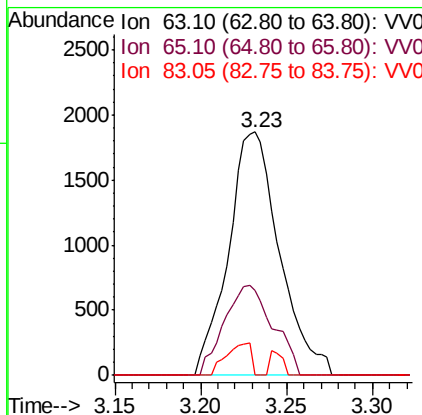
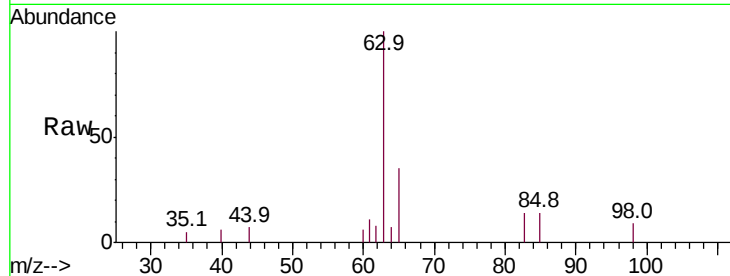
ClientSampleId :

MDL02

Tot Ion:	63	Resp:	3863
Ion	Ratio	Lower	Upper
63	100		
65	34.9	22.3	41.3
83	0.0	10.4	19.2#

Manual Integrations
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#21

2-Butanone

Concen: 3.259 ug/L m

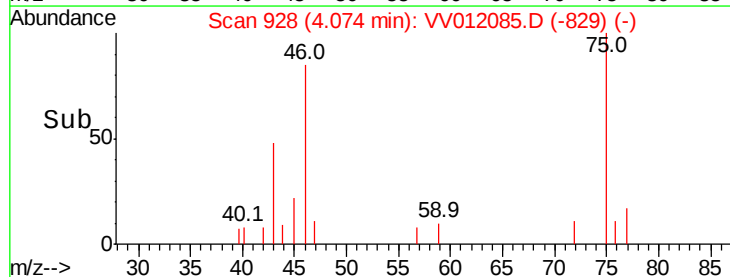
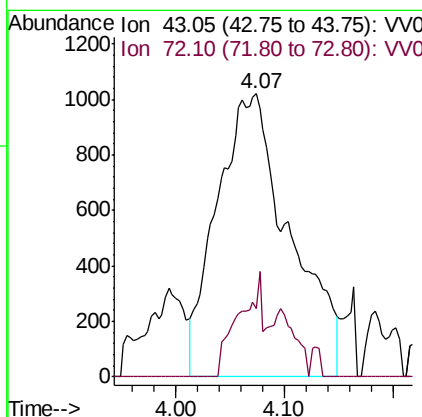
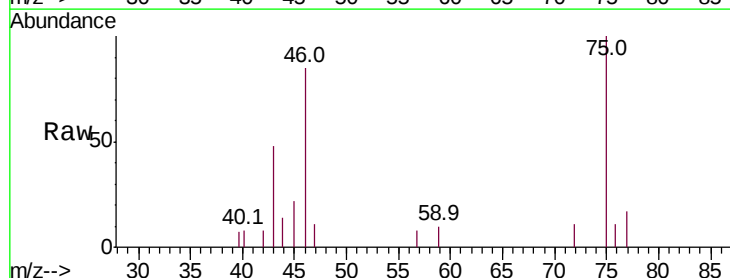
RT: 4.07 min Scan# 928

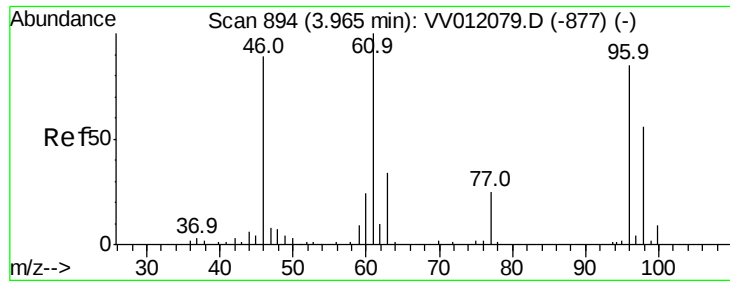
Delta R.T. 0.02 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Tgt Ion:	43	Resp:	4740
Ion	Ratio	Lower	Upper
43	100		
72	1.3	14.0	42.0#





#22

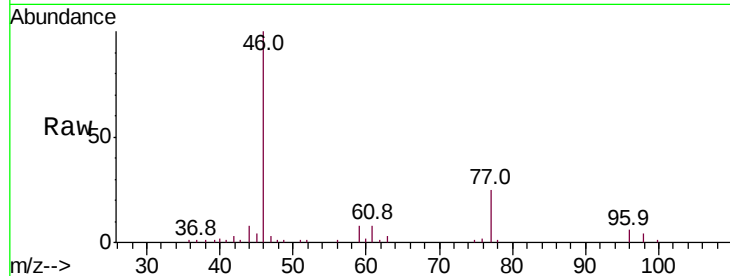
cis-1,2-Dichloroethene
Concen: 0.294 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V
ClientSampleId :
MDL02

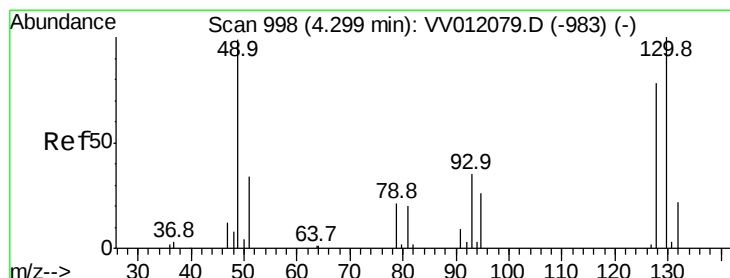
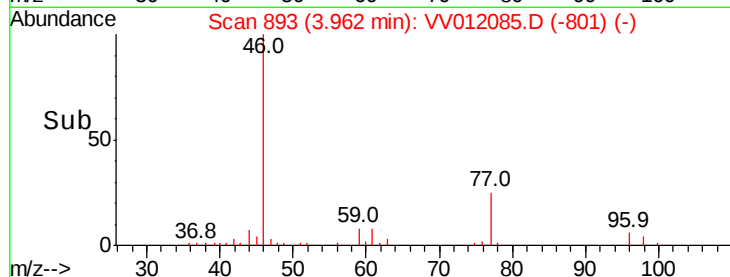
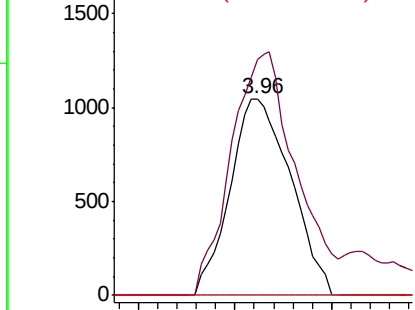
Tot Ion	Ratio	Lower	Upper
96	100		
61	120.2	81.5	151.5
68	0.0	0.0	0.0

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Abundance Ion 96.00 (95.70 to 96.70): VV012079.D (-877) (-)
Ion 61.05 (60.75 to 61.75): VV012079.D (-877) (-)
Ion 68.15 (67.85 to 68.85): VV012079.D (-877) (-)

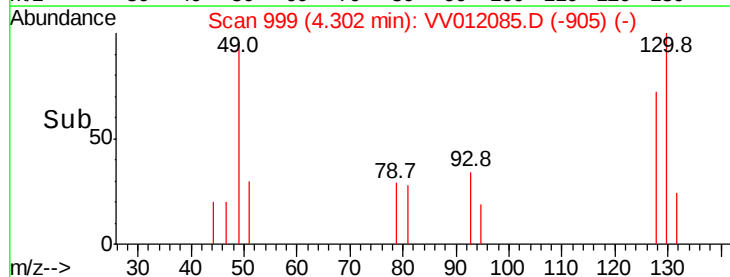
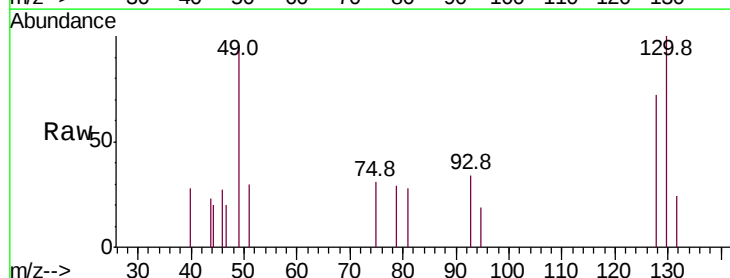
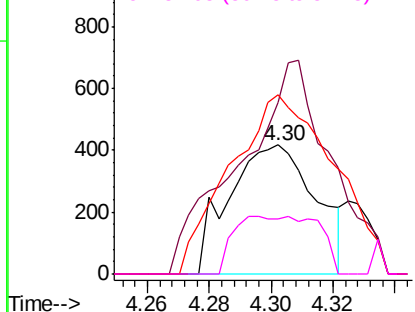


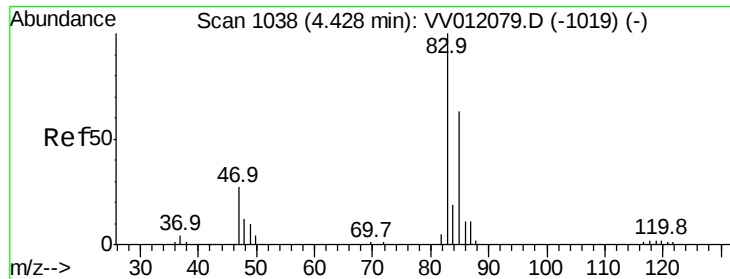
#23

Bromochloromethane
Concen: 0.233 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
128	100		
49	133.1	97.9	181.7
130	139.3	90.9	168.9
51	42.4	34.6	51.8

Abundance Ion 127.90 (127.60 to 128.60): VV012079.D (-983) (-)
Ion 49.10 (48.80 to 49.80): VV012079.D (-983) (-)
Ion 129.95 (129.65 to 130.65): VV012079.D (-983) (-)
Ion 51.05 (50.75 to 51.75): VV012079.D (-983) (-)





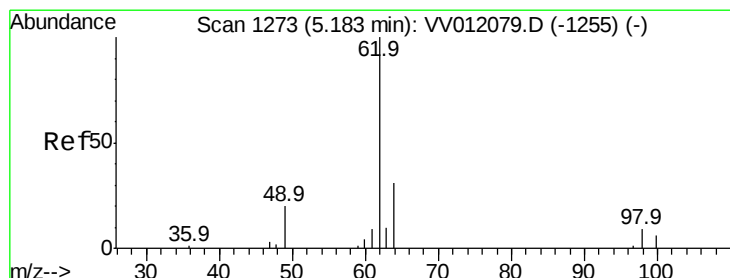
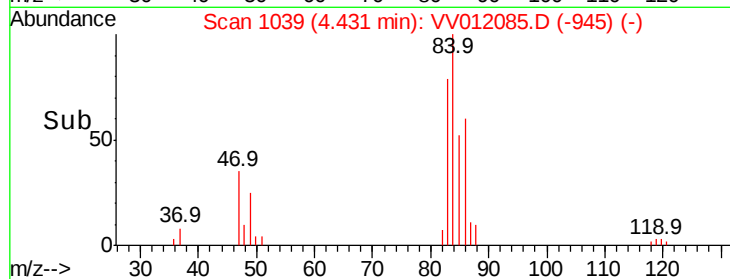
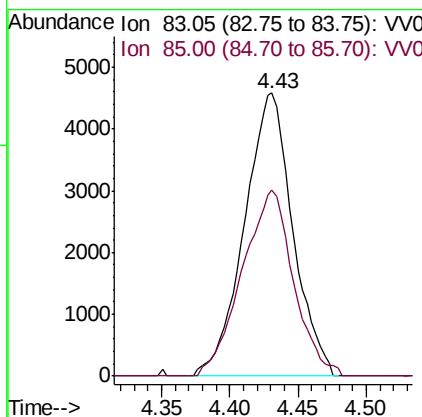
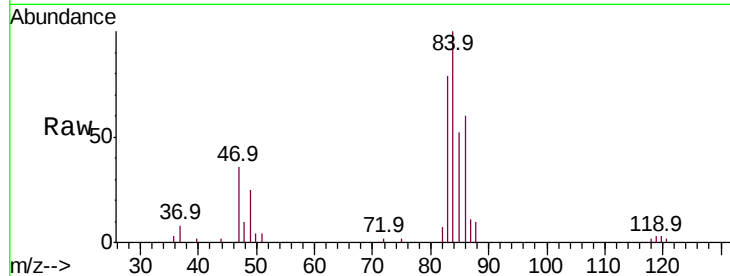
#25
Chloroform
Concen: 0.676 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion: 83 Resp: 11292
Ion Ratio Lower Upper
83 100
85 65.9 44.7 83.1

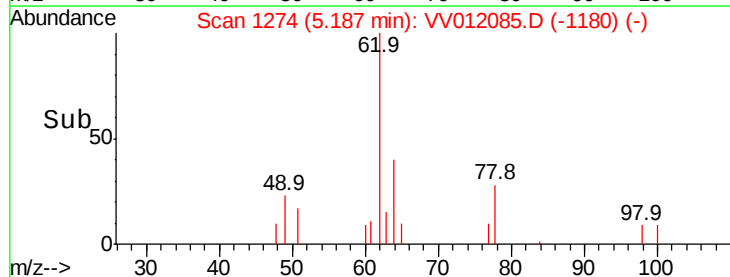
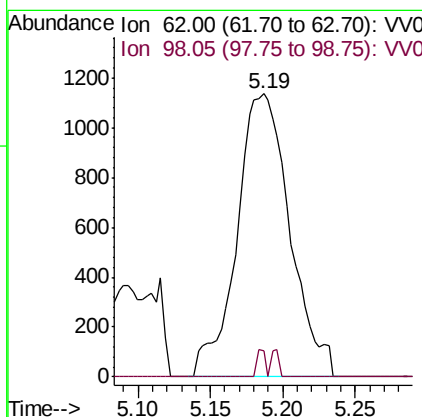
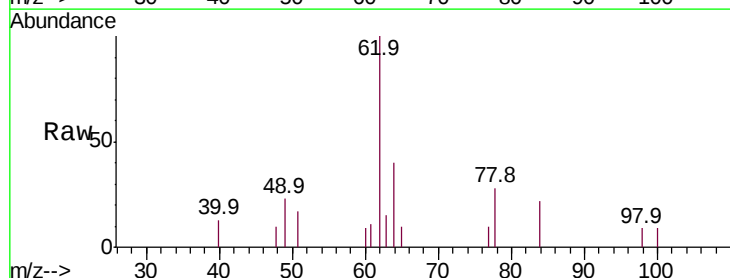
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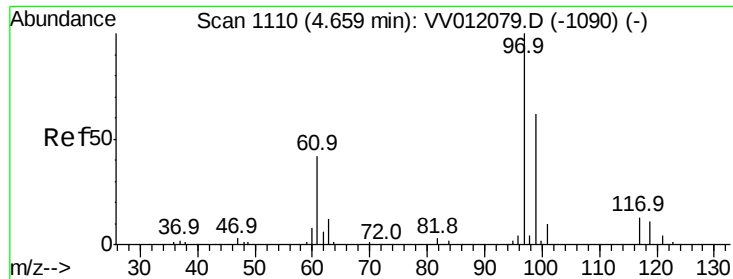
MMdadoda
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#27
1,2-Dichloroethane
Concen: 0.314 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion: 62 Resp: 2890
Ion Ratio Lower Upper
62 100
98 9.2 7.3 10.9





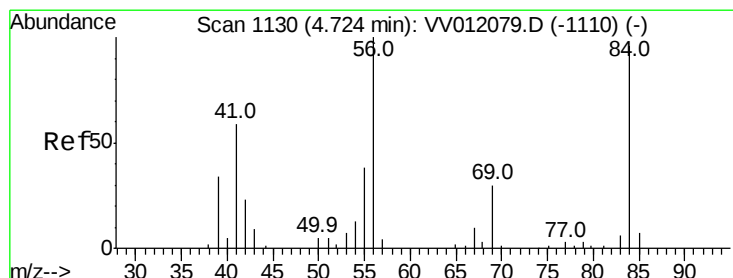
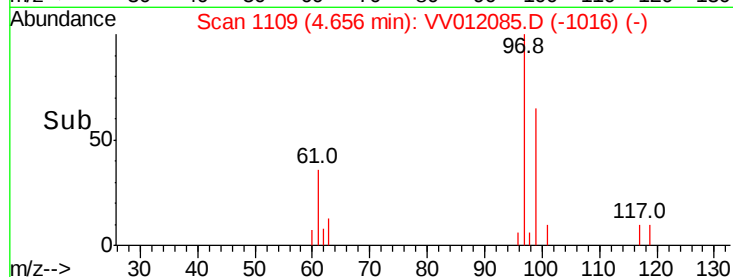
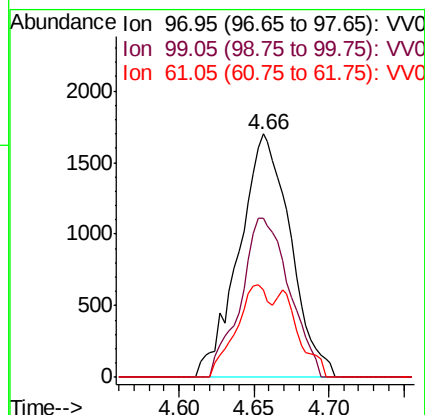
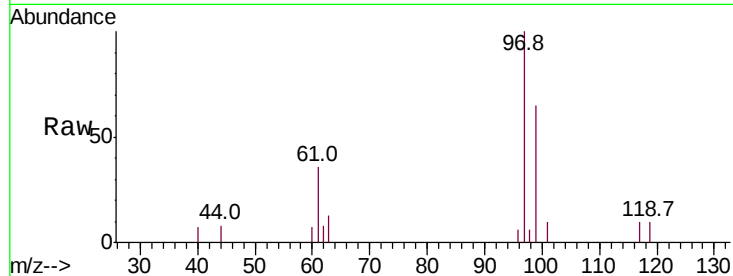
#29
1,1,1-Trichloroethane
Concen: 0.293 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
97	100		
99	61.6	51.7	77.5
61	25.5	34.2	51.2#

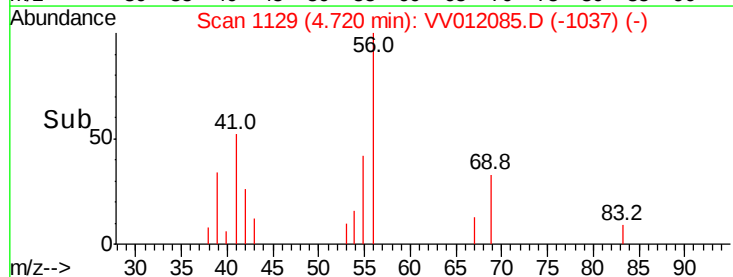
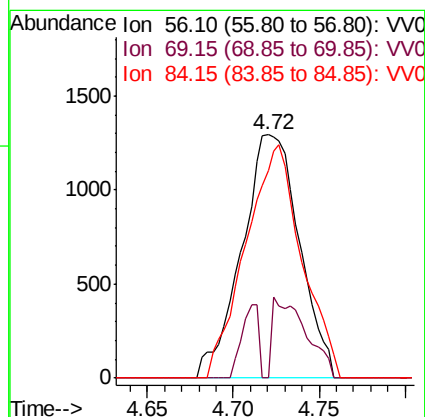
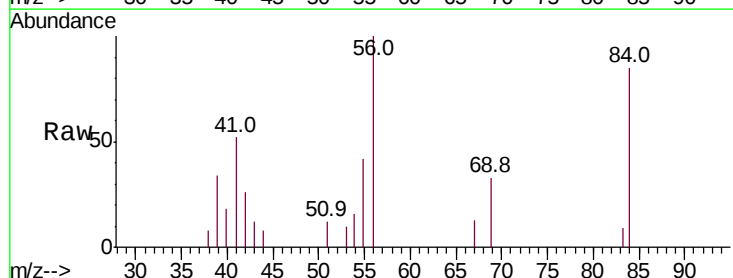
Manual Integrations
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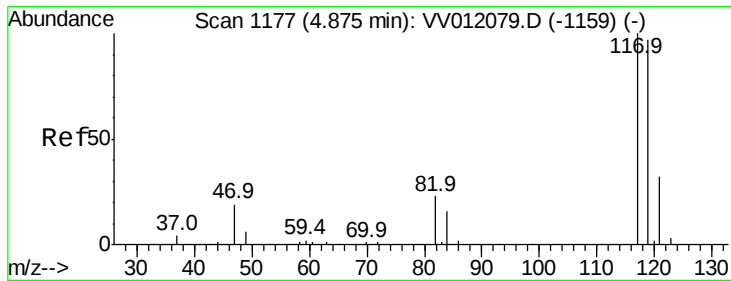
MMdadoda
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#30
Cyclohexane
Concen: 0.286 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
56	100		
69	19.3	26.0	39.0#
84	93.3	79.9	119.9





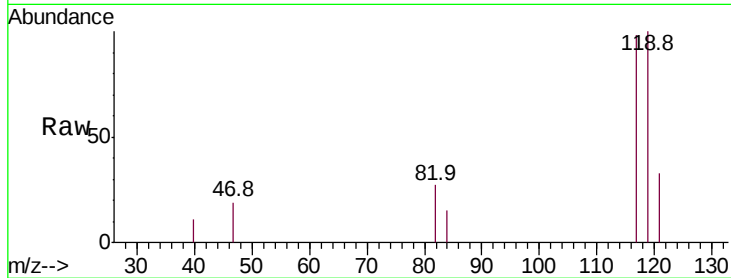
#31
Carbon tetrachloride
Concen: 0.269 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V
ClientSampleId :
MDL02

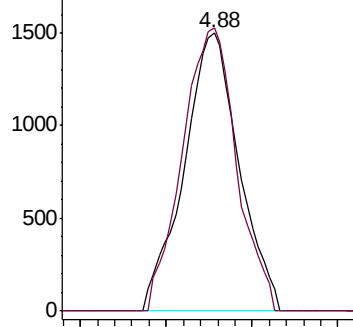
Tot Ion:117 Resp: 3337
Ion Ratio Lower Upper
117 100
119 100.2 77.7 116.5

Manual Integrations
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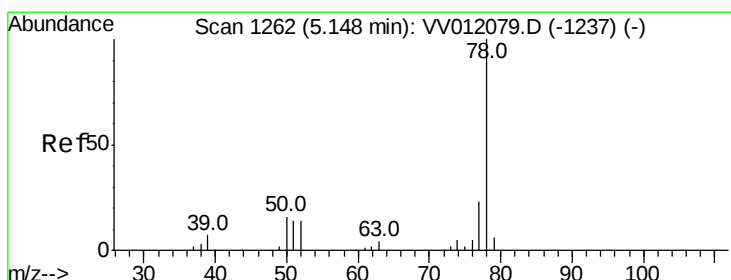
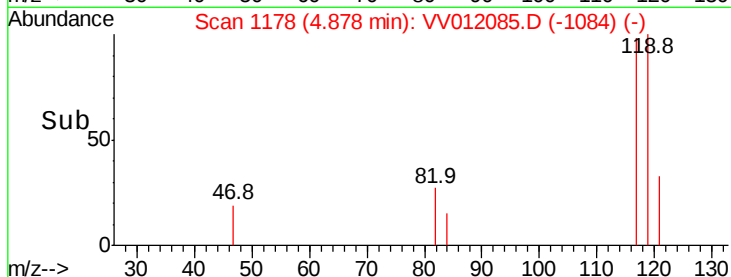
MMdadoda
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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

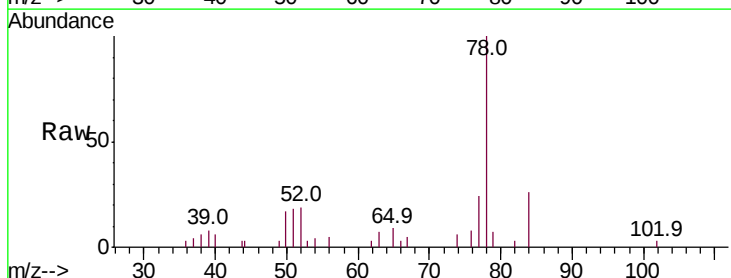


Time-->

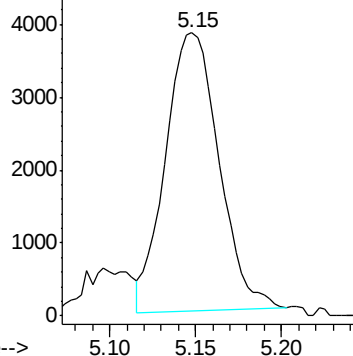


#33
Benzene
Concen: 0.293 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

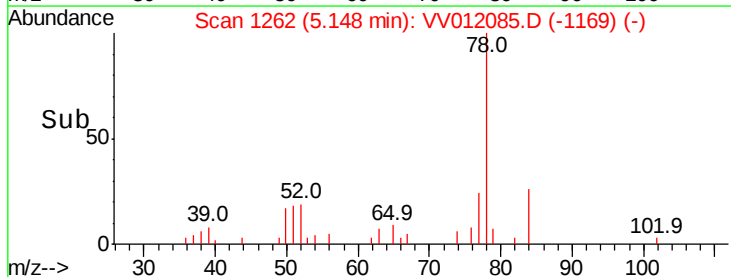
Tgt Ion: 78 Resp: 8278

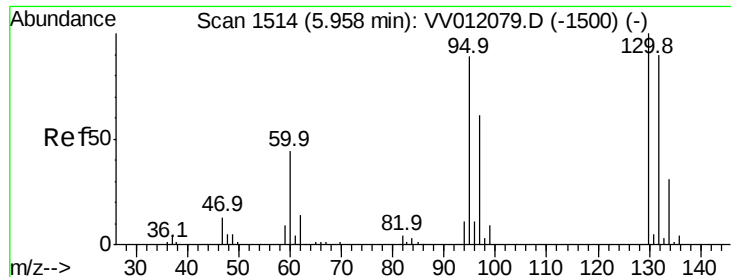


Abundance Ion 78.10 (77.80 to 78.80): VV0



Time-->





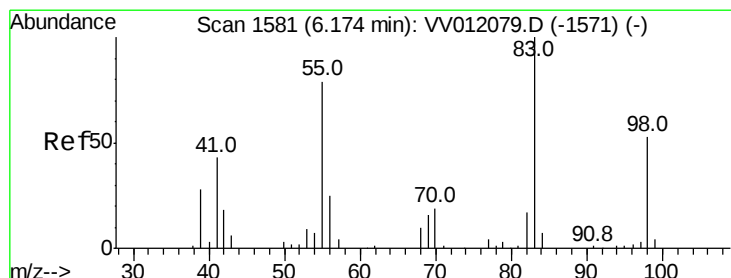
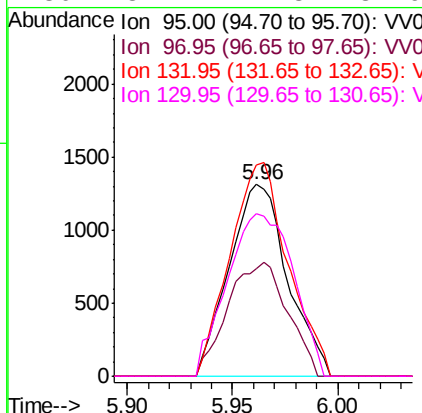
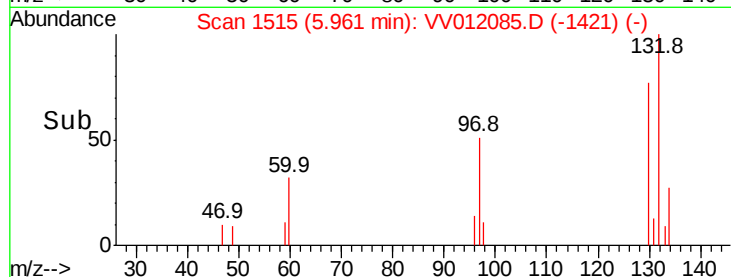
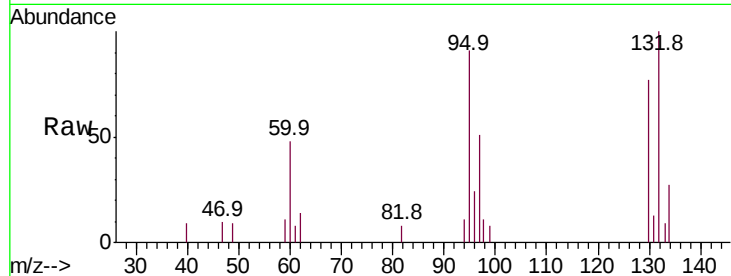
#34
 Trichloroethene
 Concen: 0.311 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion: 95 Resp: 2534
 Ion Ratio Lower Upper
 95 100
 97 56.4 45.4 84.2
 132 110.2 67.0 124.4
 130 84.7 74.3 137.9

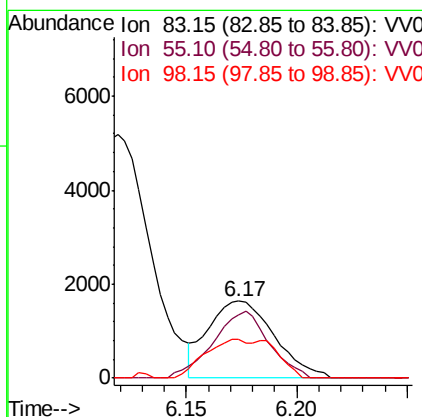
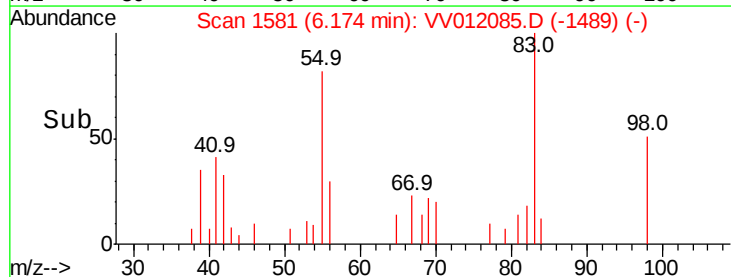
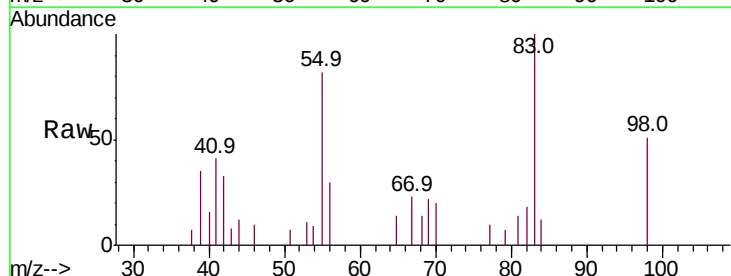
Manual Integrations
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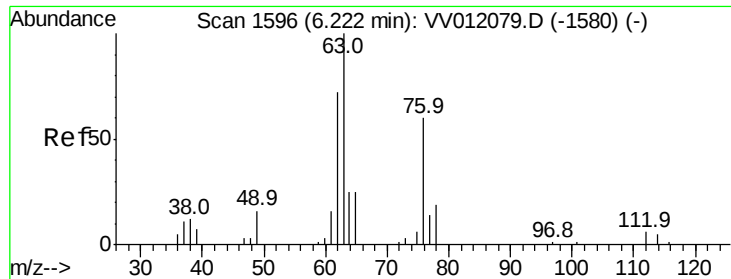
MMdadoda
 8/1/2019 9:58:15 AM



#35
 Methylcyclohexane
 Concen: 0.276 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

Tgt Ion: 83 Resp: 3412
 Ion Ratio Lower Upper
 83 100
 55 73.5 59.9 89.9
 98 35.8 40.8 61.2#





#37

1,2-Dichloropropane

Concen: 0.293 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. 0.01 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V

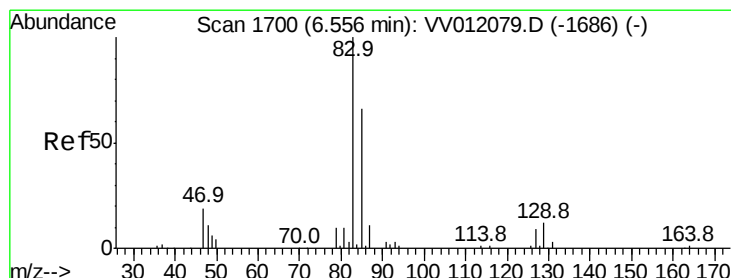
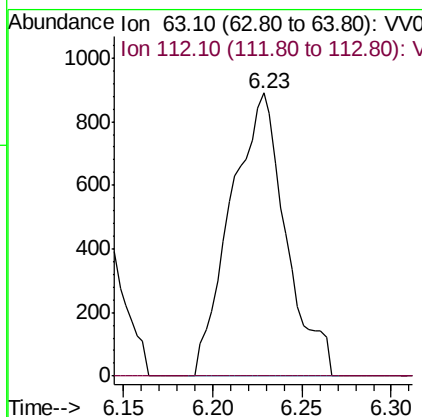
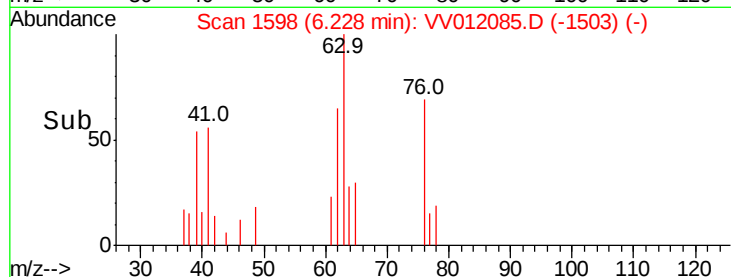
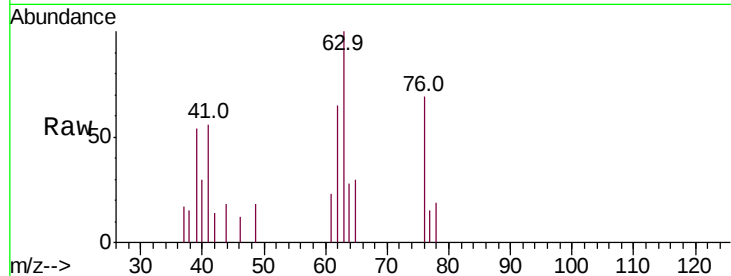
ClientSampled :
MDL02

Tot Ion: 63 Resp: 1913

Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.7	7.1#

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#38

Bromodichloromethane

Concen: 0.297 ug/L

RT: 6.56 min Scan# 1701

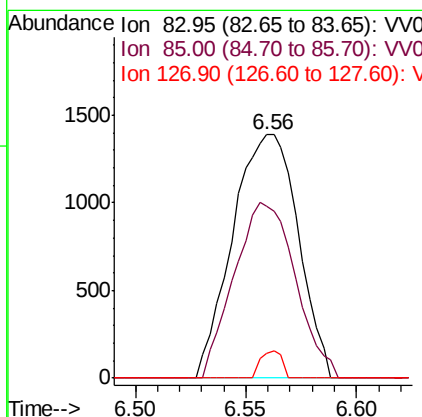
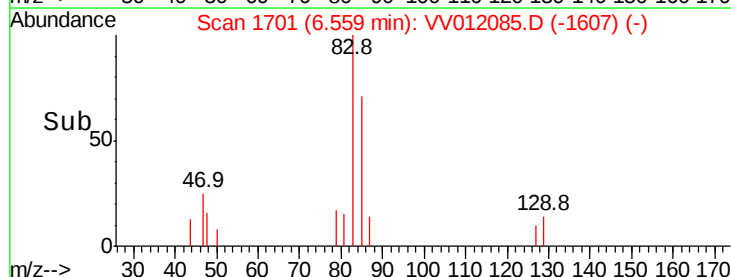
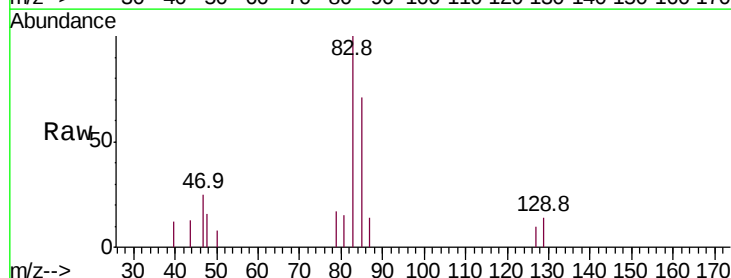
Delta R.T. 0.00 min

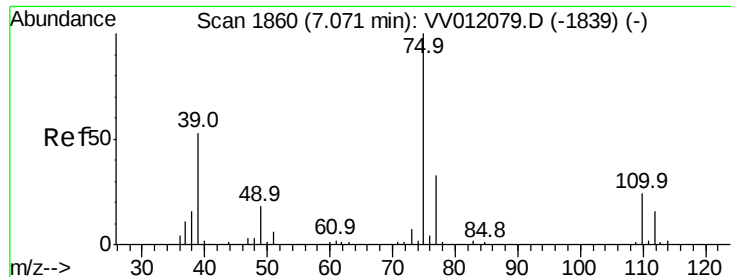
Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Tgt Ion: 83 Resp: 2849

Ion	Ratio	Lower	Upper
83	100		
85	70.9	46.2	85.8
127	10.3	7.2	10.8





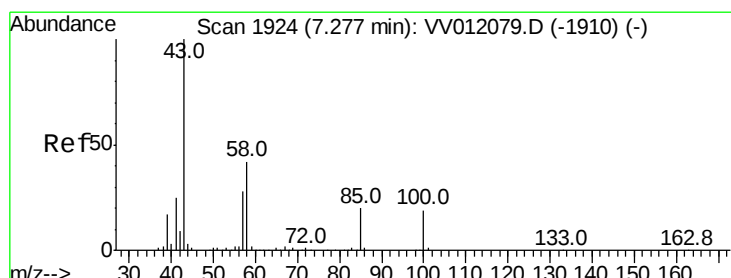
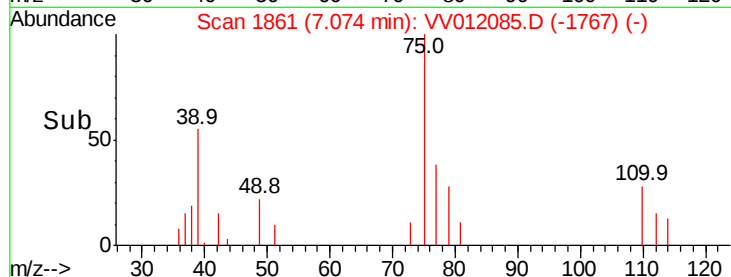
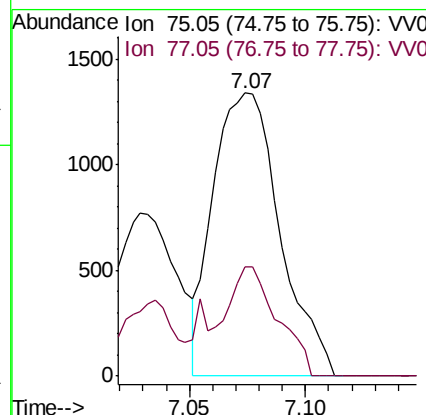
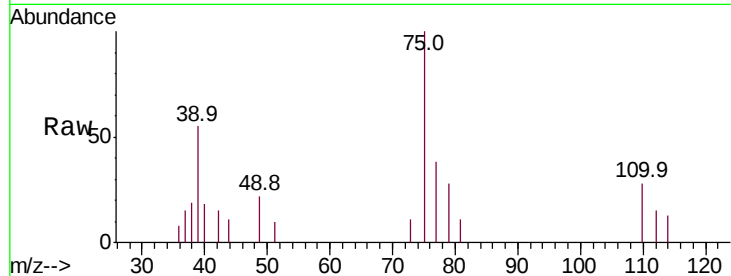
#39
 cis-1,3-Dichloropropene
 Concen: 0.265 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion: 75 Resp: 2691
 Ion Ratio Lower Upper
 75 100
 77 38.4 21.3 39.5

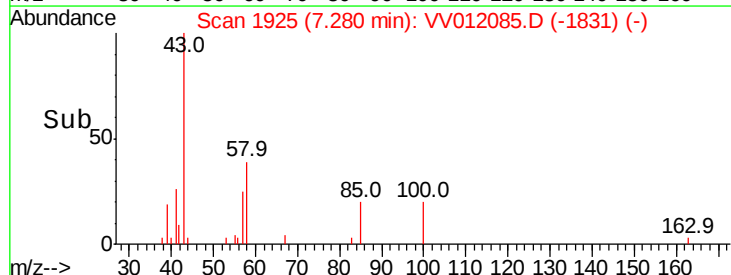
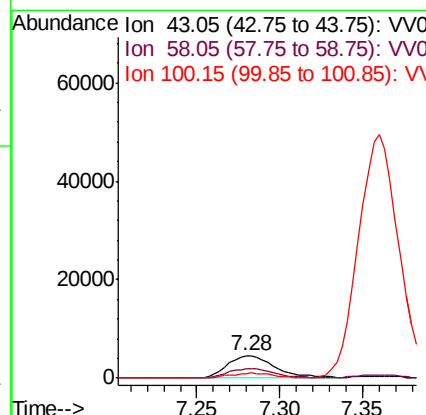
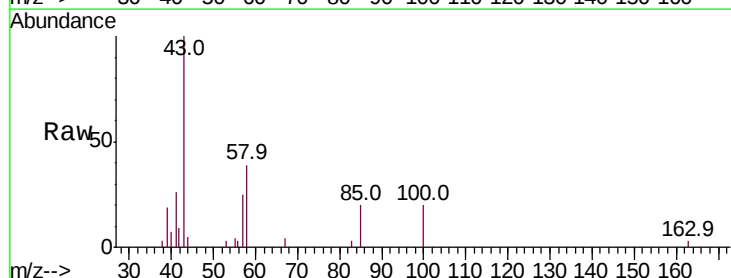
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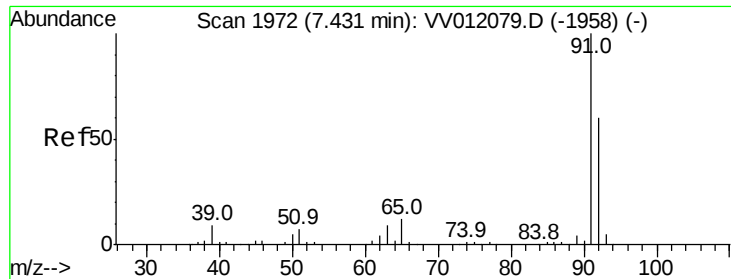
MMdadoda
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#40
 4-Methyl-2-pentanone
 Concen: 2.581 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

Tgt Ion: 43 Resp: 9180
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.8 47.6
 100 0.0 15.0 22.4#





#42

Toluene

Concen: 0.316 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 9756

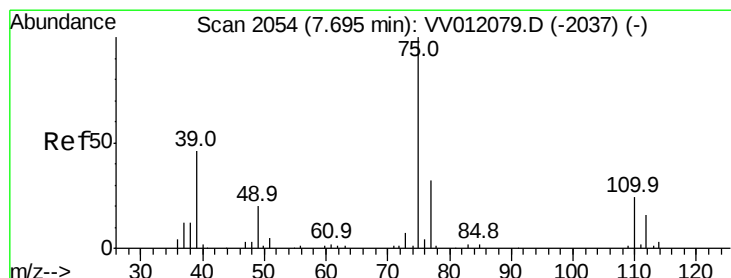
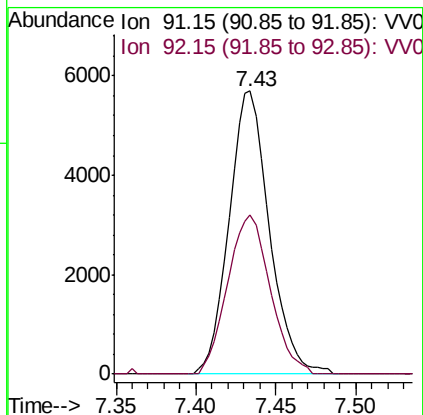
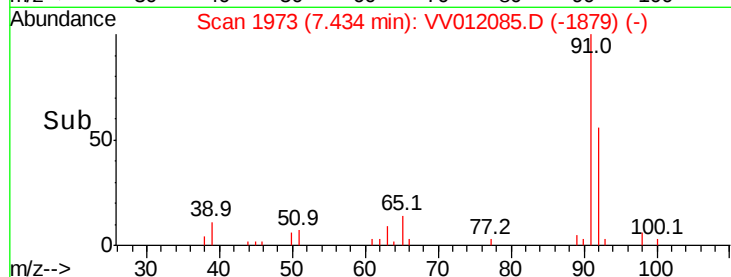
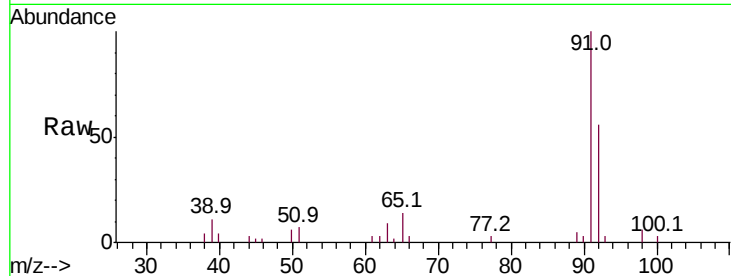
Ion Ratio Lower Upper

91 100

92 56.2 41.6 77.2

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#44

trans-1,3-Dichloropropene

Concen: 0.315 ug/L m

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV012085.D

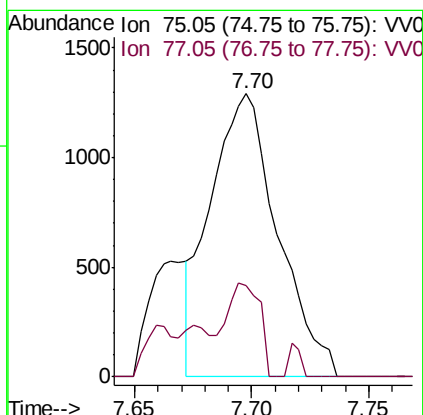
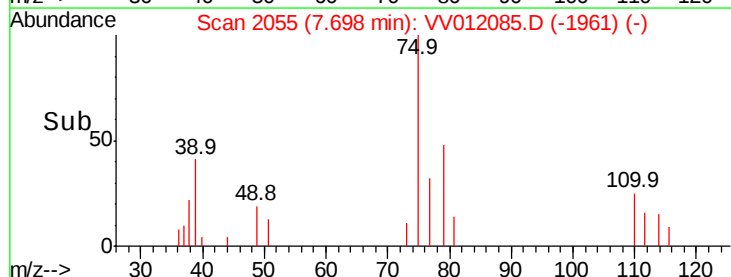
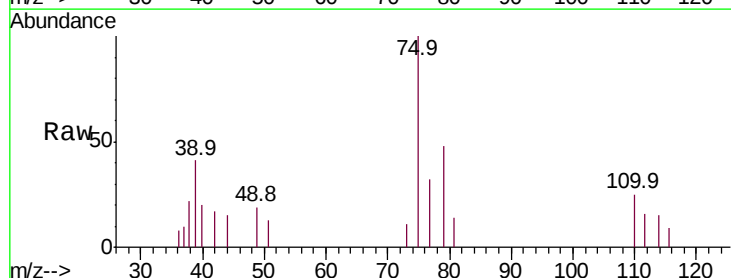
Acq: 30 Jul 2019 22:17

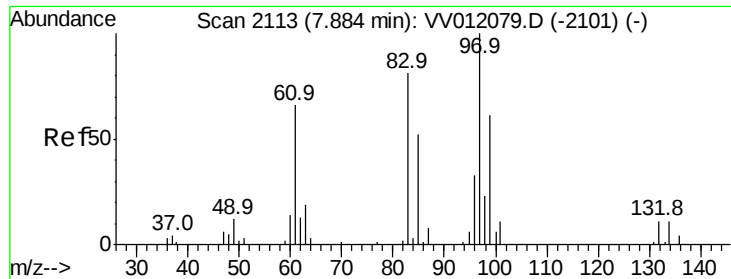
Tgt Ion: 75 Resp: 2586

Ion Ratio Lower Upper

75 100

77 32.4 22.8 42.4





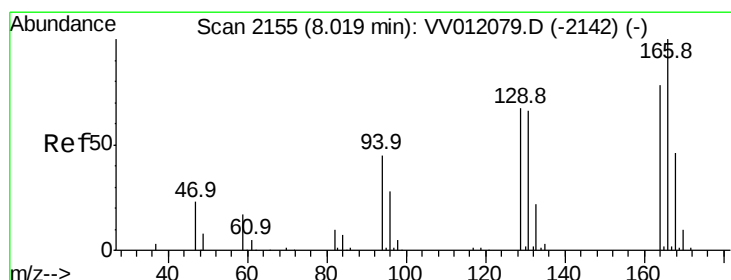
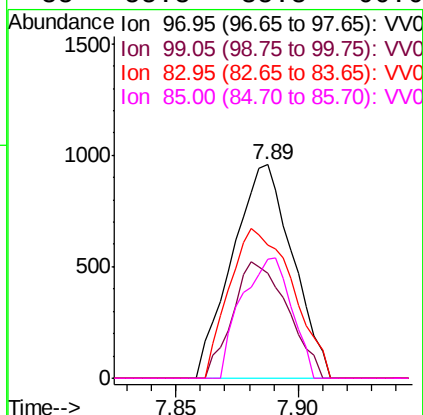
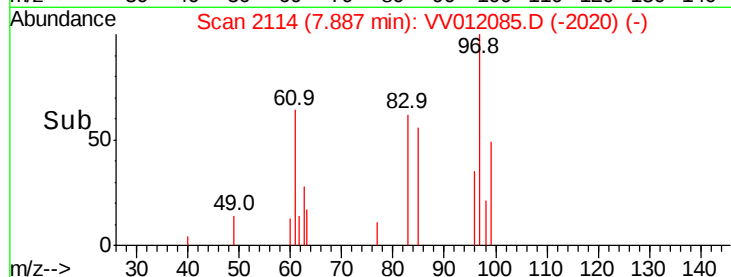
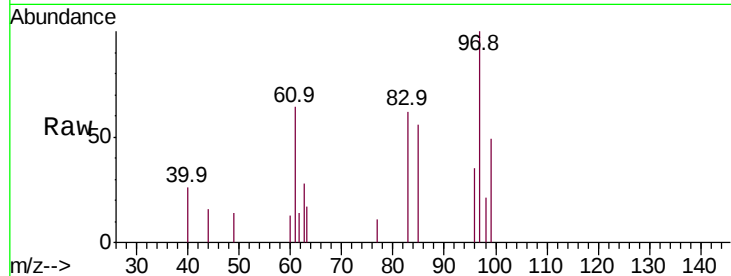
#45
1,1,2-Trichloroethane
Concen: 0.338 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
97	100		
99	48.9	43.3	80.3
83	62.4	56.6	105.0
85	55.8	35.8	66.6

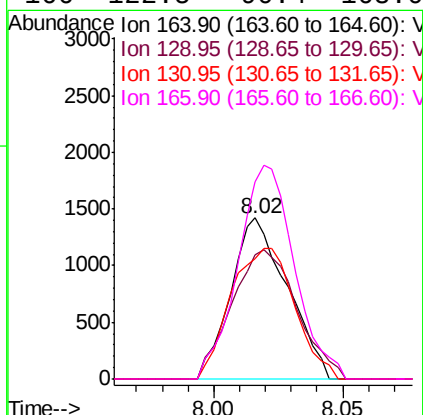
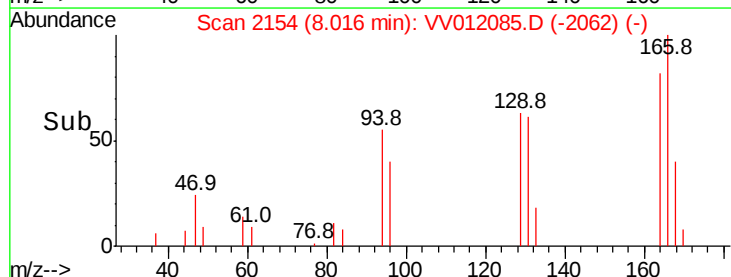
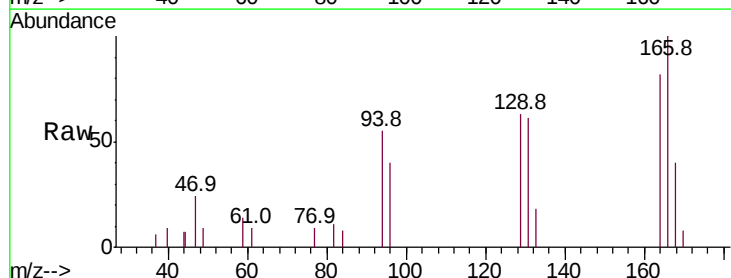
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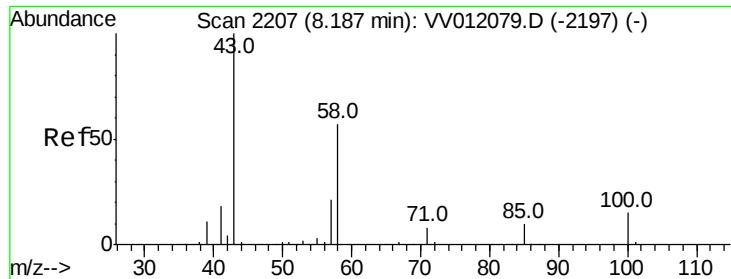
MMdadoda
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#47
Tetrachloroethene
Concen: 0.293 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
164	100		
129	77.2	62.5	116.1
131	75.1	60.9	113.1
166	122.5	90.4	168.0





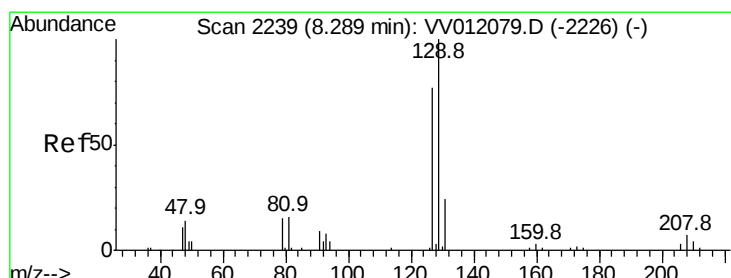
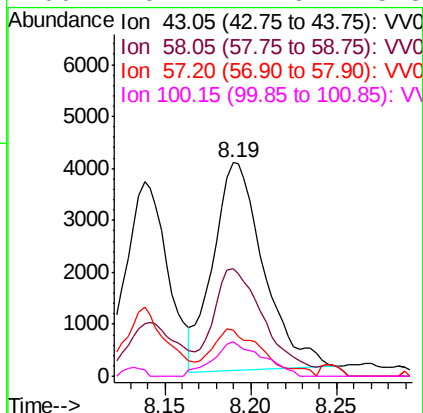
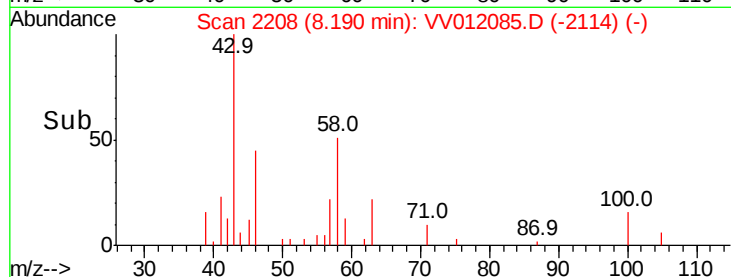
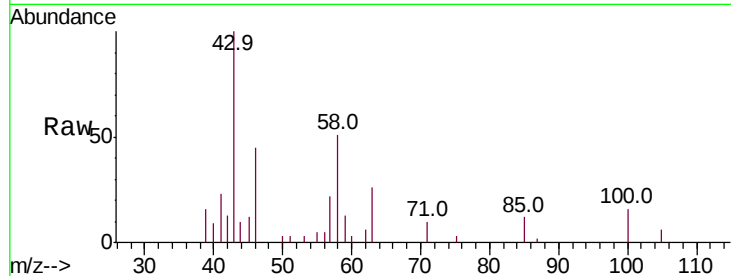
#48
2-Hexanone
Concen: 3.316 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.6	45.7	68.5
57	23.0	17.0	25.4
100	16.2	12.6	18.8

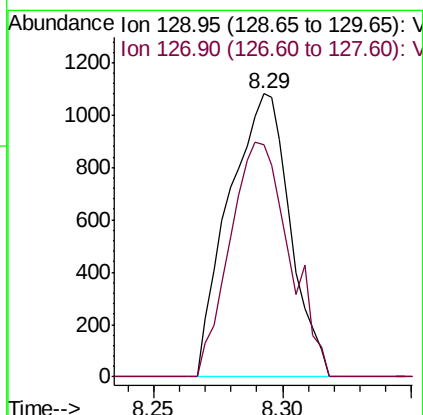
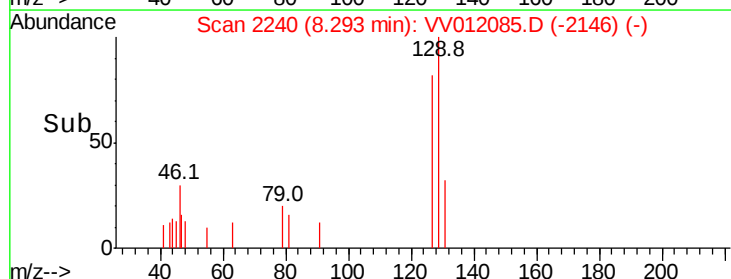
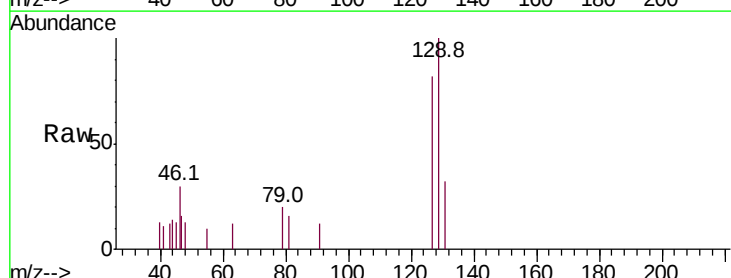
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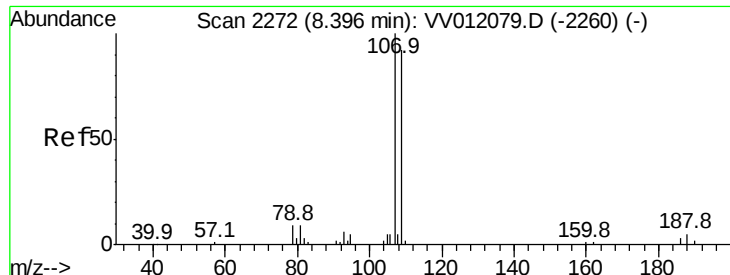
MMDadoda
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#49
Dibromochloromethane
Concen: 0.283 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.2	52.8	98.2





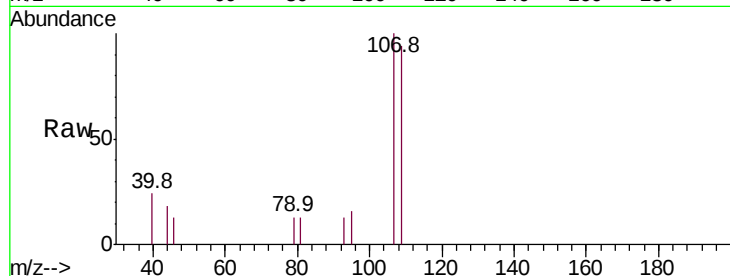
#50
1,2-Dibromoethane
Concen: 0.332 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V
ClientSampled :
MDL02

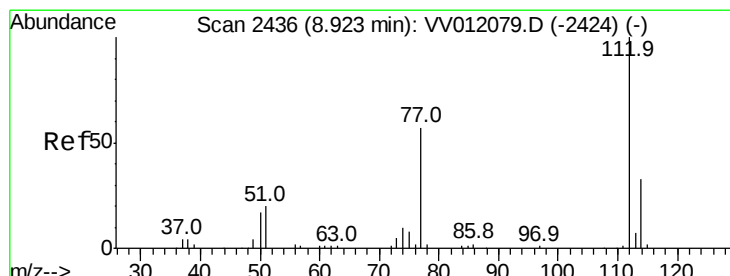
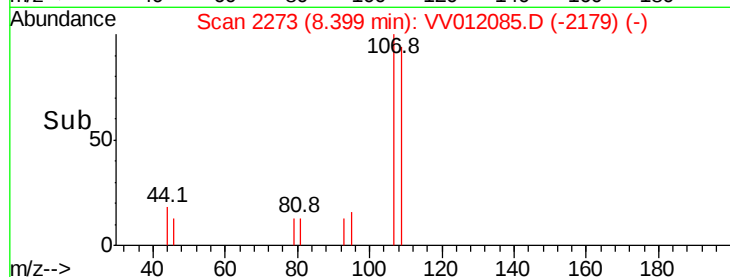
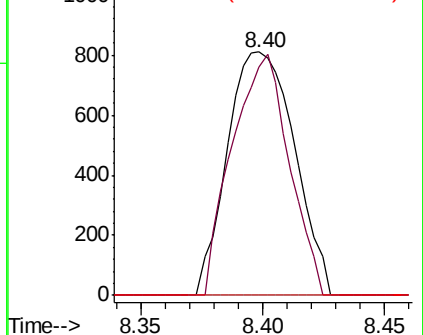
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	64.7	120.1
188	0.0	3.4	5.0#

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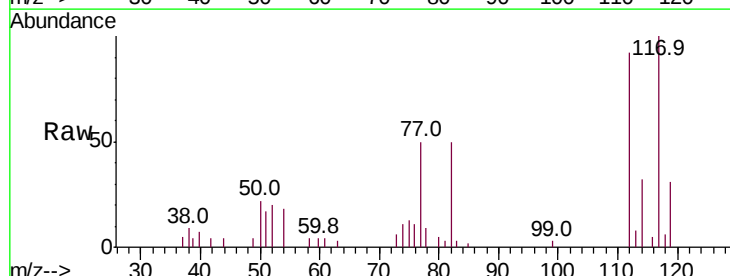


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

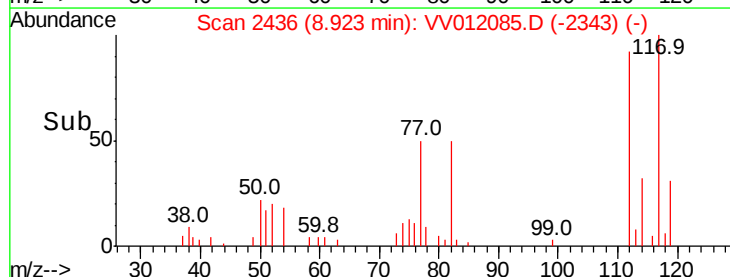
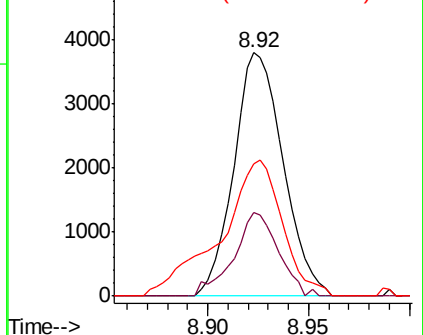


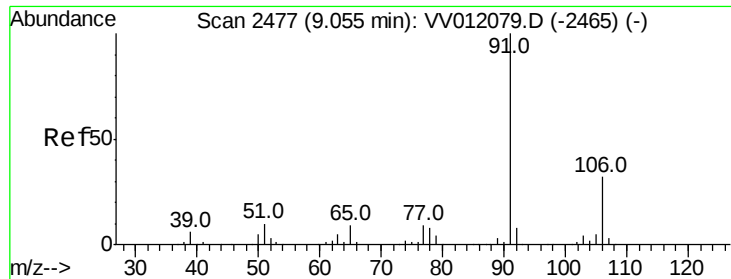
#51
Chlorobenzene
Concen: 0.310 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.5	22.4	41.6
77	54.5	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: 0.284 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 10115

Ion Ratio Lower Upper

91 100

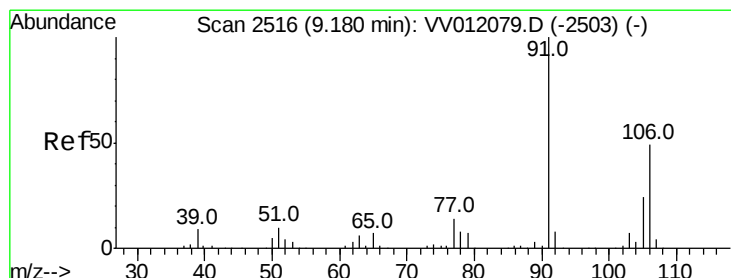
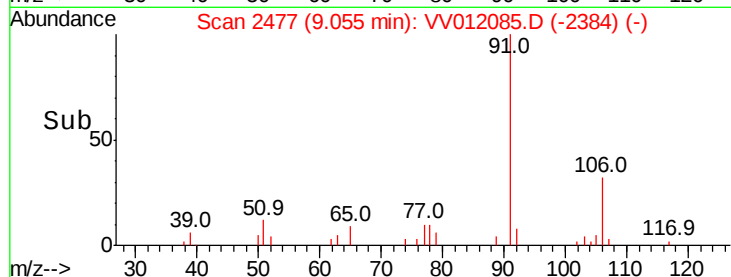
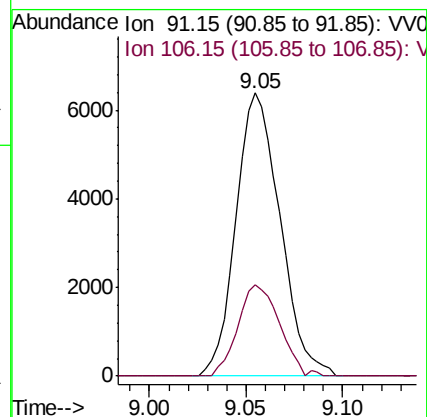
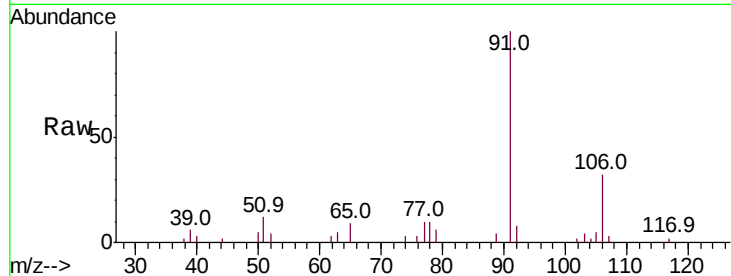
106 32.2 21.6 40.0

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#53

m,p-xylene

Concen: 0.275 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012085.D

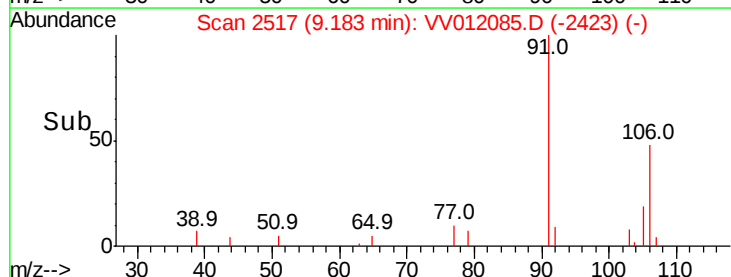
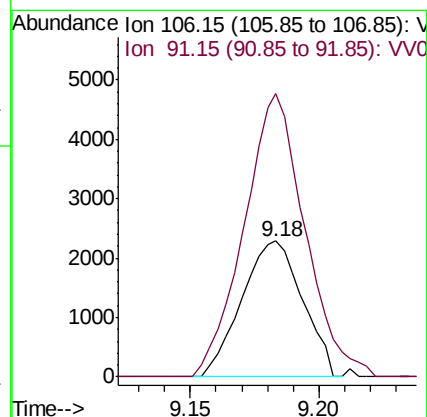
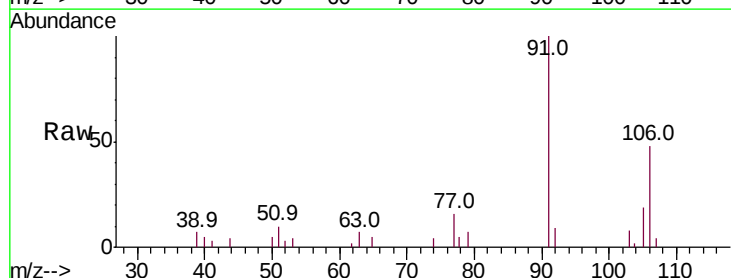
Acq: 30 Jul 2019 22:17

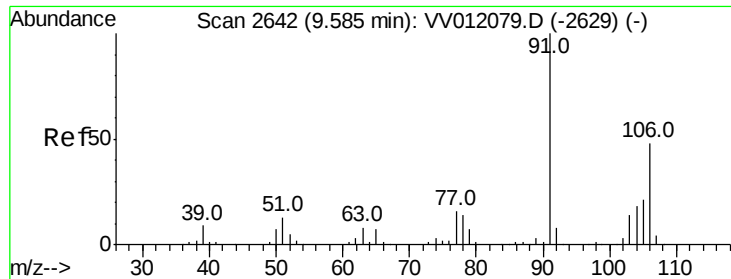
Tgt Ion: 106 Resp: 3756

Ion Ratio Lower Upper

106 100

91 208.3 148.7 276.3





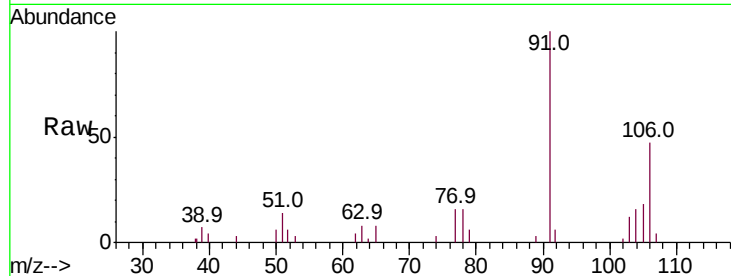
#54
o-xylene
Concen: 0.282 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V
ClientSampleId :
MDL02

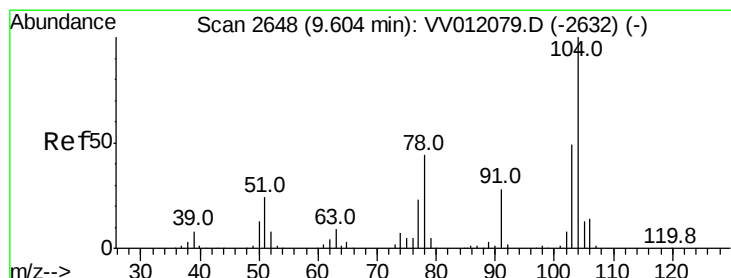
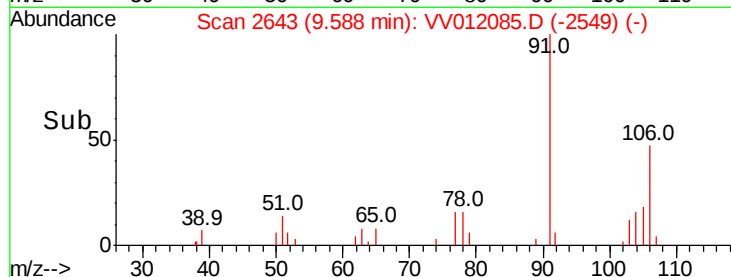
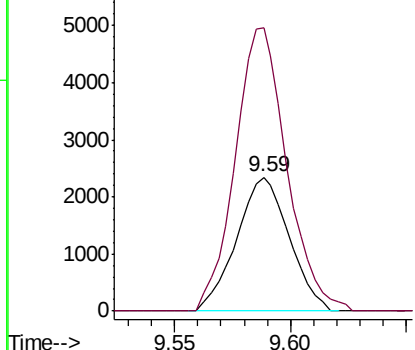
Tot Ion:106 Resp: 3693
Ion Ratio Lower Upper
106 100
91 211.3 147.7 274.3

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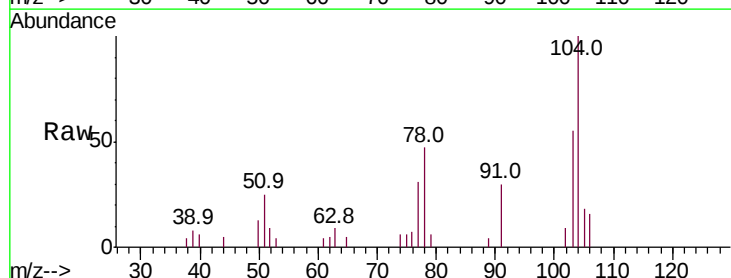


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

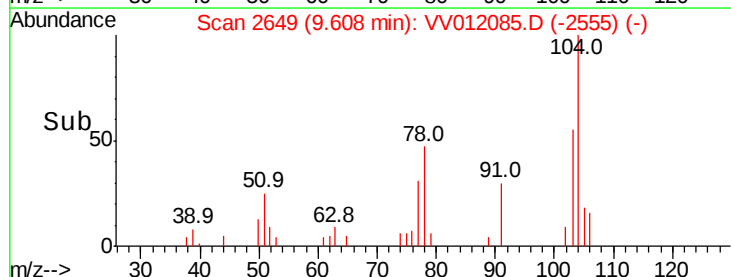
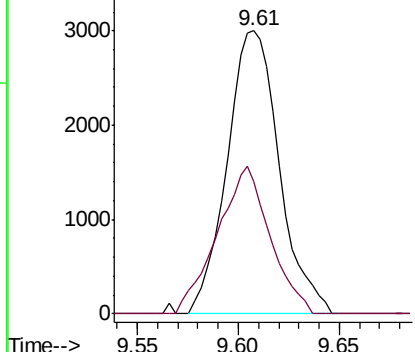


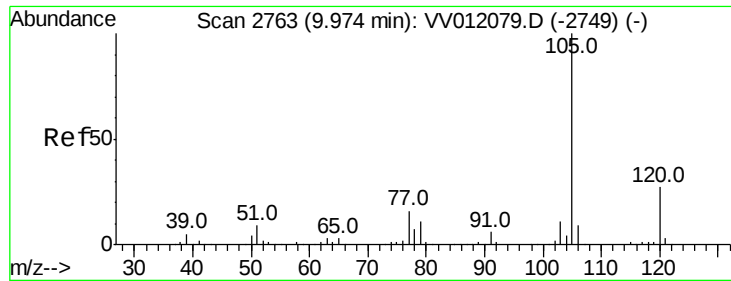
#55
Styrene
Concen: 0.244 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion:104 Resp: 5419
Ion Ratio Lower Upper
104 100
78 46.7 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





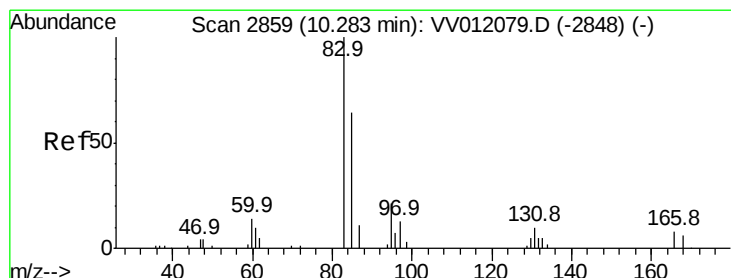
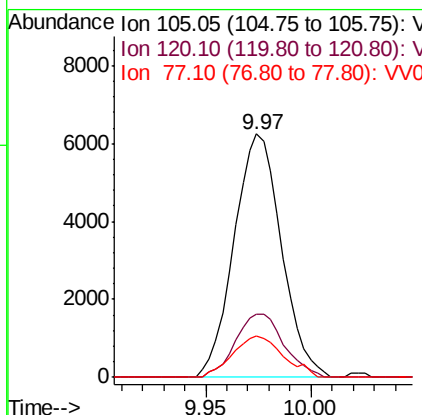
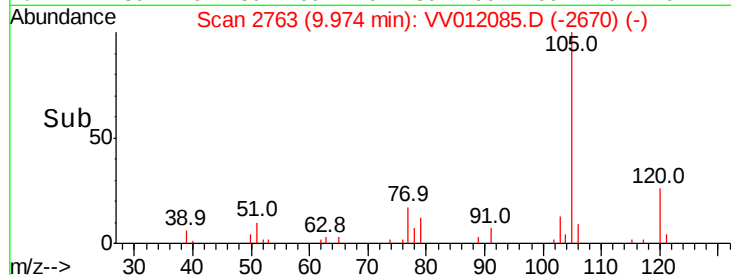
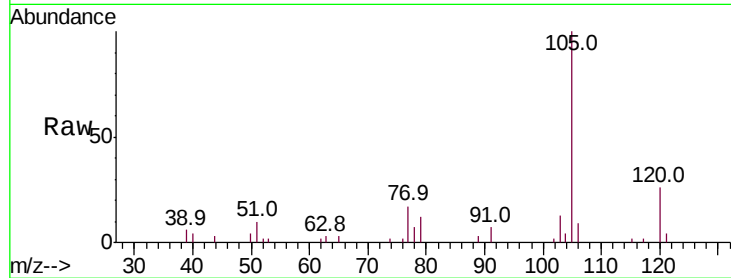
#56
Isopropylbenzene
Concen: 0.269 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion:	105	Resp:	9742
Ion Ratio	Lower	Upper	
105	100		
120	26.7	21.8	32.8
77	18.0	12.7	19.1

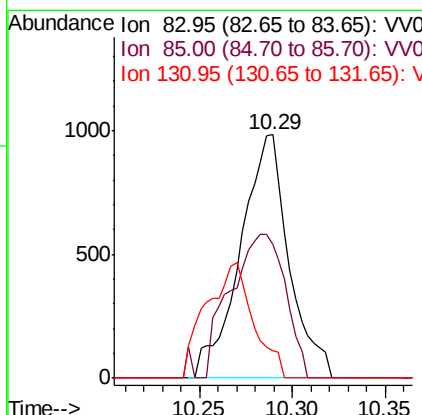
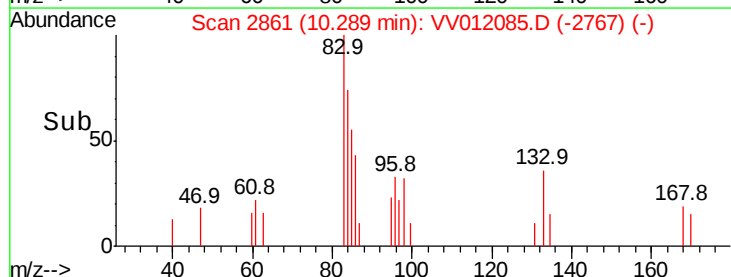
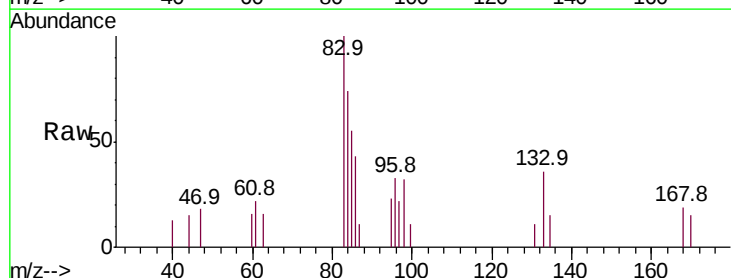
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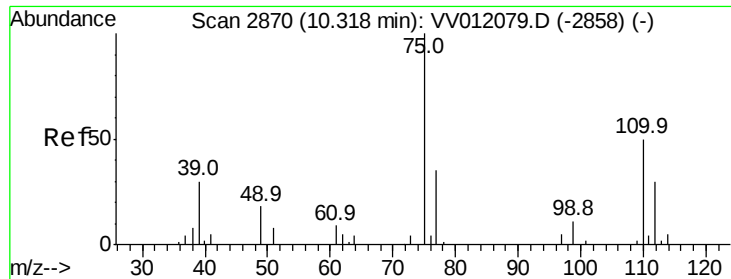
MMdadoda
8/1/2019 9:58:15 AM



#58
1,1,2,2-Tetrachloroethane
Concen: 0.335 ug/L
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VV012085.D
Acq: 30 Jul 2019 22:17

Tgt Ion:	83	Resp:	1804
Ion Ratio	Lower	Upper	
83	100		
85	54.6	45.1	83.7
131	11.1	10.3	15.5





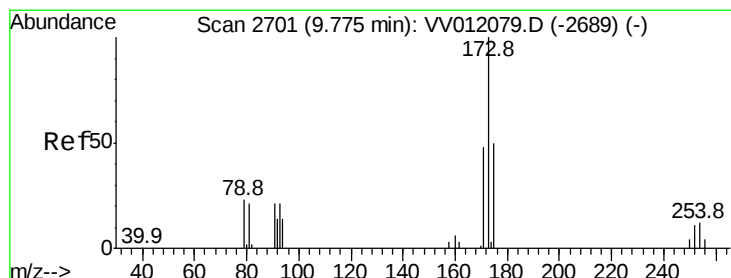
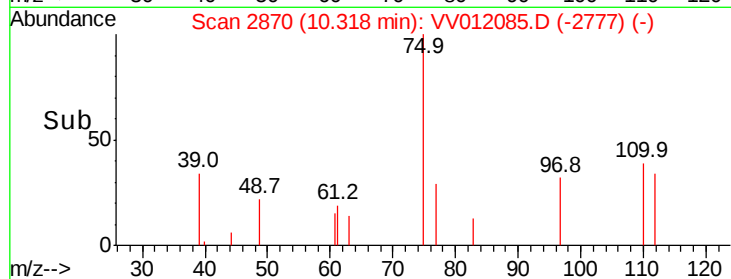
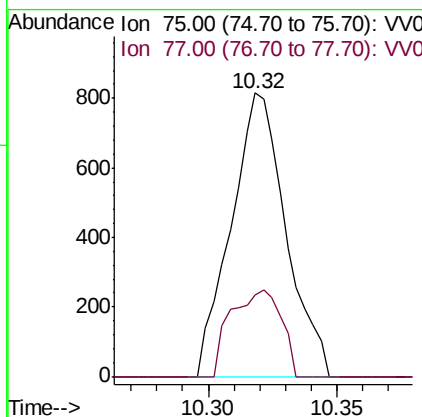
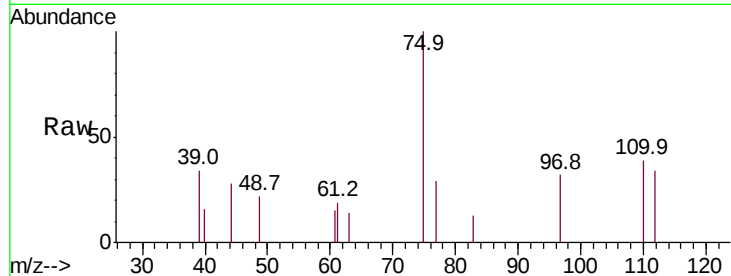
#59
 1,2,3-Trichloropropane
 Concen: 0.296 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
75	100		
77	27.9	26.9	40.3

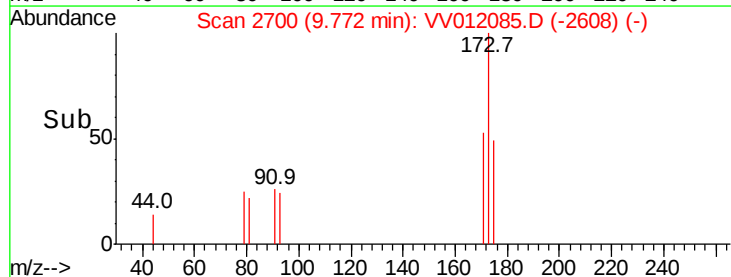
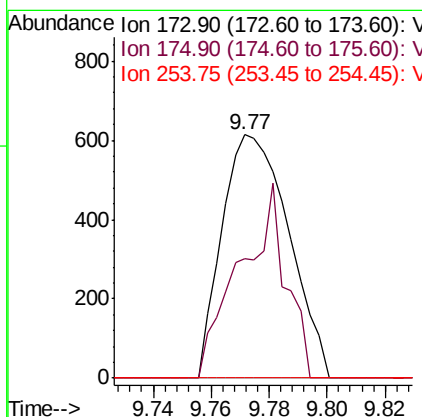
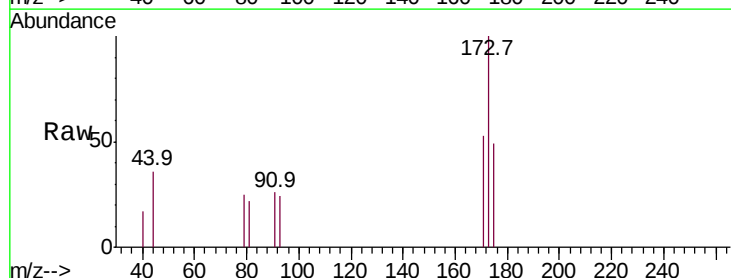
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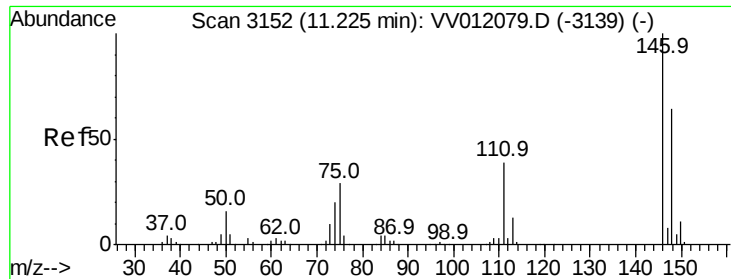
MMdadoda
 8/1/2019 9:58:15 AM



#61
 Bromoform
 Concen: 0.299 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
173	100		
175	55.3	39.4	59.2
254	0.0	8.7	13.1#





#62

1,3-Dichlorobenzene

Concen: 0.310 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

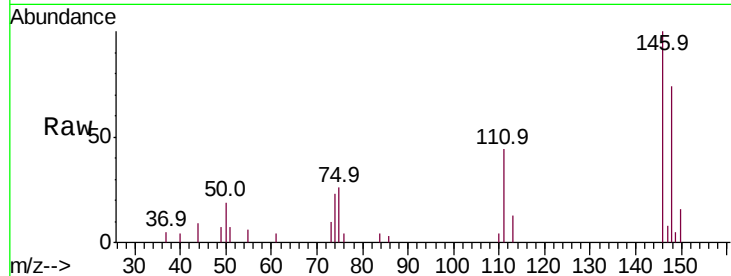
ClientSampleId :

MDL02

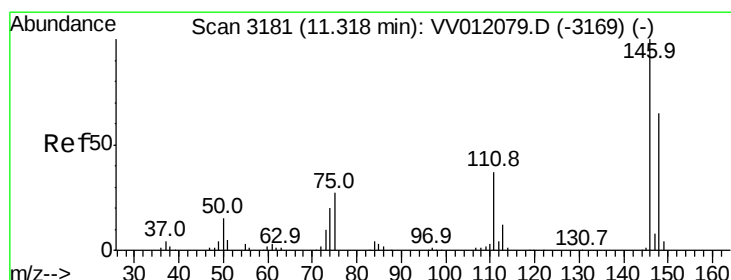
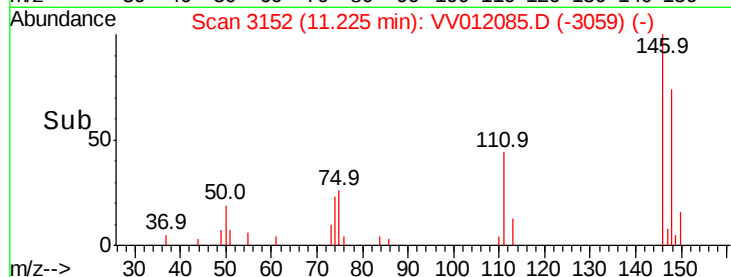
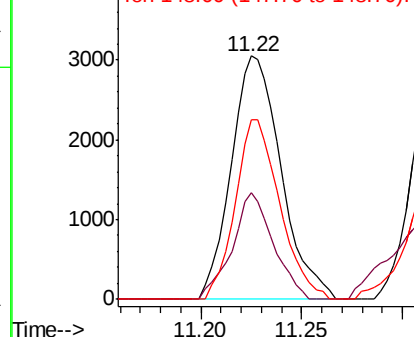
Tot Ion:	146	Resp:	5266
Ion	Ratio	Lower	Upper
146	100		
111	43.9	27.2	50.6
148	74.0	45.9	85.3

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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.328 ug/L

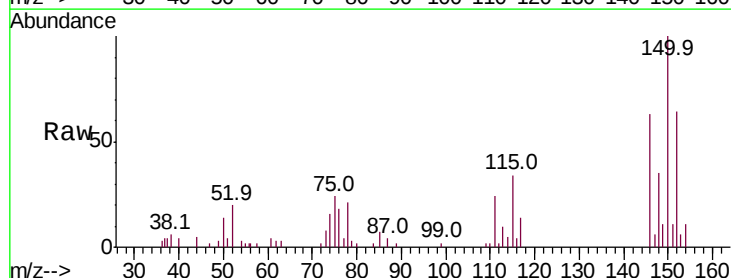
RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

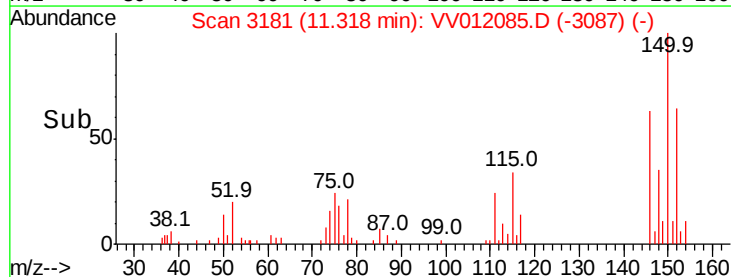
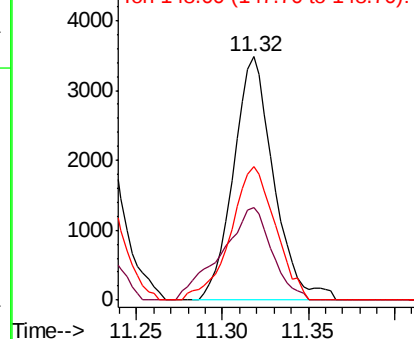
Lab File: VV012085.D

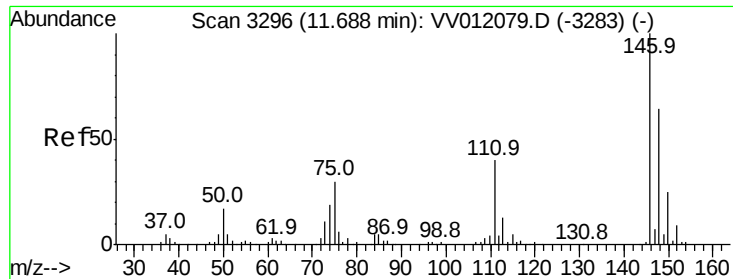
Acq: 30 Jul 2019 22:17

Tgt Ion:	146	Resp:	5686
Ion	Ratio	Lower	Upper
146	100		
111	37.8	25.4	47.2
148	54.7	43.5	80.7



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.322 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

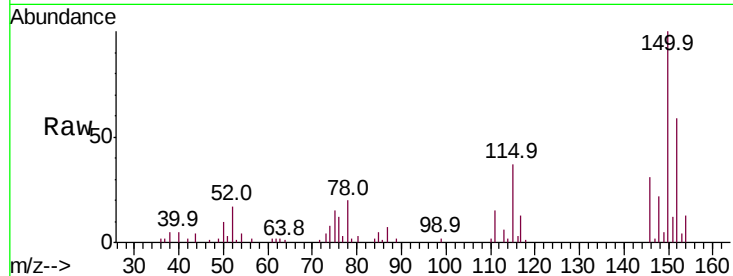
ClientSampled :

MDL02

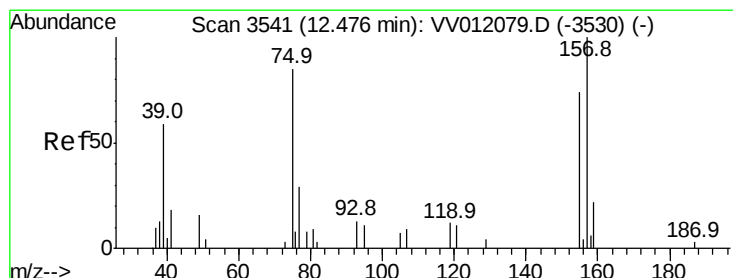
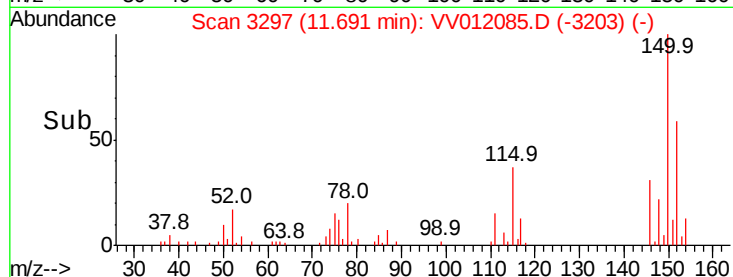
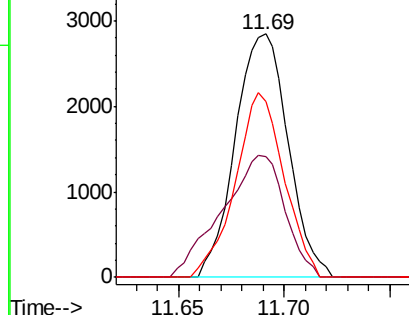
Tot Ion:	146	Resp:	4943
Ion Ratio	Lower	Upper	
146	100		
111	49.8	32.3	48.5#
148	72.2	49.9	74.9

Manual Integrations
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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.254 ug/L

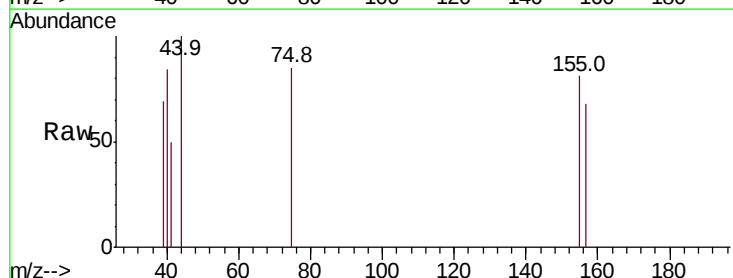
RT: 12.48 min Scan# 3543

Delta R.T. 0.01 min

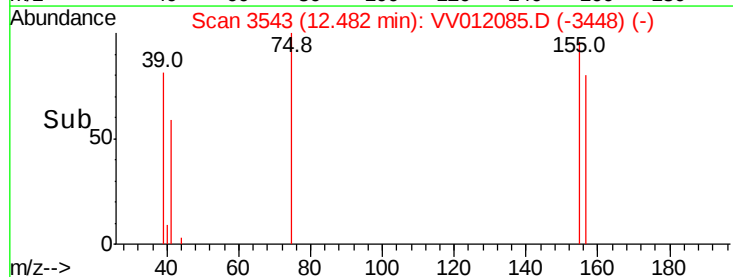
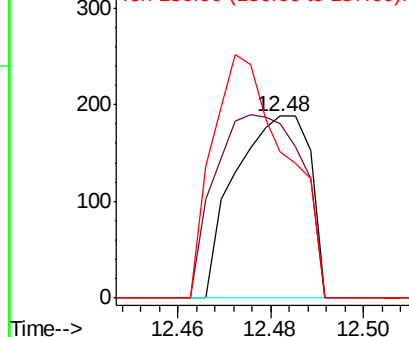
Lab File: VV012085.D

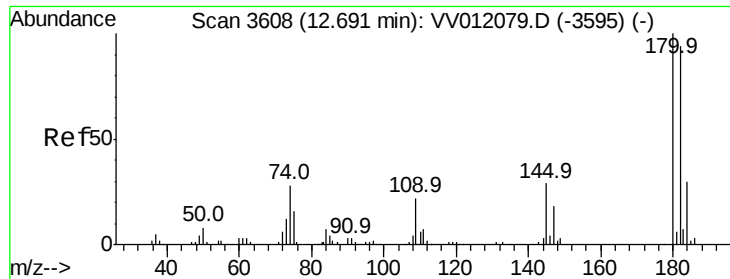
Acq: 30 Jul 2019 22:17

Tgt Ion:	75	Resp:	210
Ion Ratio	Lower	Upper	
75	100		
155	95.7	66.9	100.3
157	80.3	81.8	122.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 154.95 (154.65 to 155.65): V
Ion 156.90 (156.60 to 157.60): V





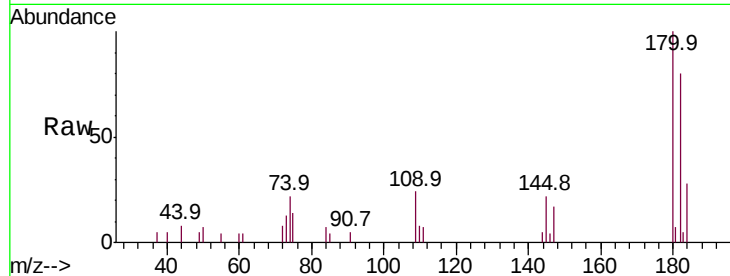
#67
 1,3,5-Trichlorobenzene
 Concen: 0.325 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.4	76.6	115.0
184	29.4	23.8	35.8
145	26.1	22.6	33.8

Manual Integrations
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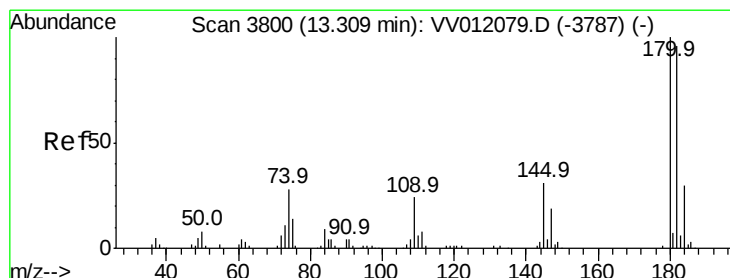
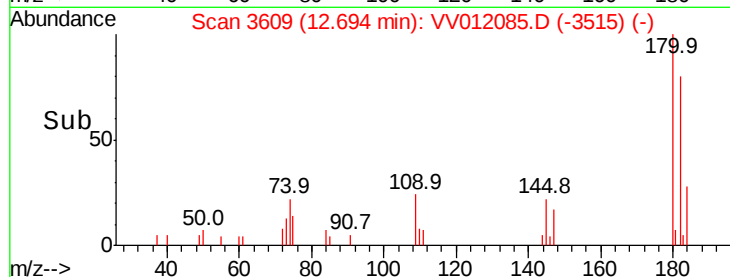
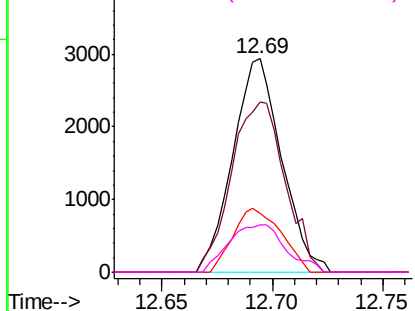
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

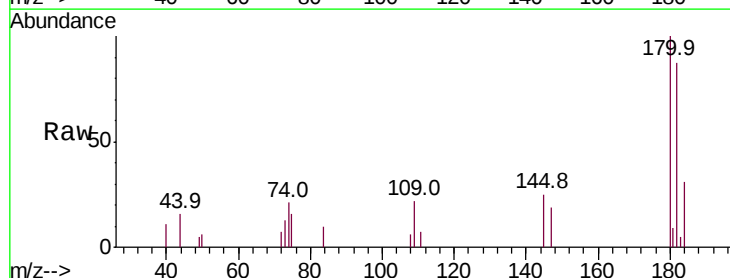
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.296 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.01 min
 Lab File: VV012085.D
 Acq: 30 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	106.3	75.4	113.0
145	24.2	23.5	35.3

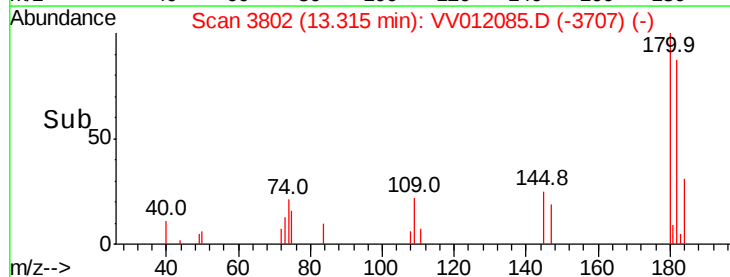
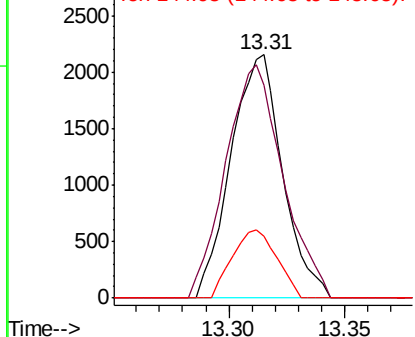


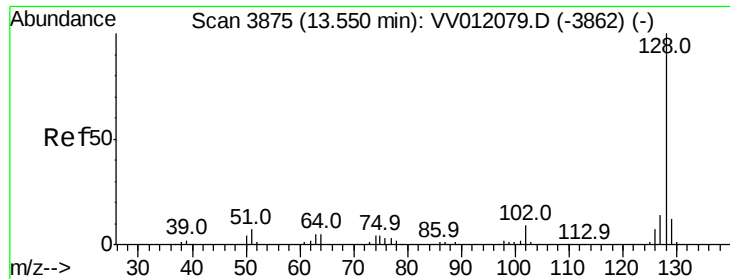
Abundance

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: 0.273 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Instrument :

MSVOA_V

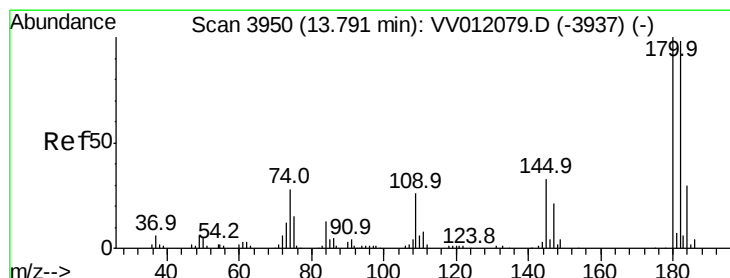
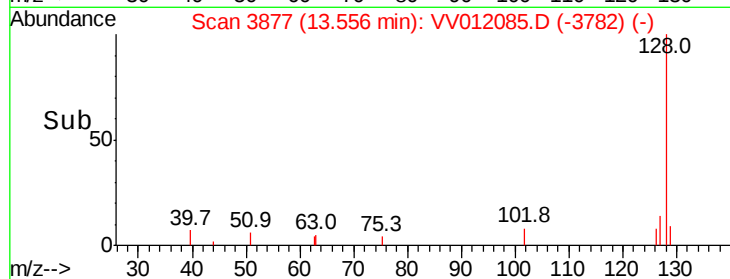
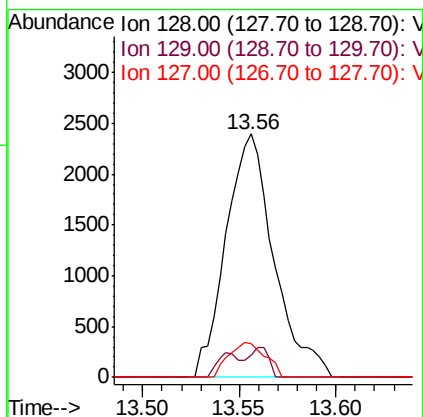
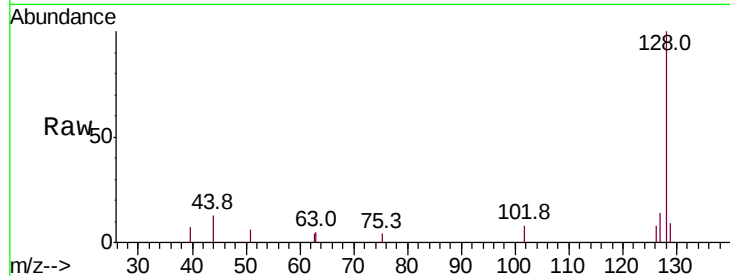
ClientSampleId :

MDL02

Tot Ion	Ratio	Lower	Upper
128	100		
129	5.4	8.4	12.6#
127	10.9	10.0	15.0

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#70

1,2,3-Trichlorobenzene

Concen: 0.301 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012085.D

Acq: 30 Jul 2019 22:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	76.5	114.7
145	27.3	24.4	36.6

