

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121118\
 Data File : VV008898.D
 Acq On : 11 Dec 2018 14:18
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.00g/10.0 mL/MSVOA V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

sam
 12/12/2018 11:26:35 AM

Quant Time: Dec 12 04:51:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 12 04:31:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	223087	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	193928	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	82968	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54775	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.92%
7) Chloroethane-d5	1.58	69	53918	31.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	126.44%
10) 1,1-Dichloroethene-d2	2.13	63	108009	18.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.84%
20) 2-Butanone-d5	3.94	46	45935	54.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.30%
24) Chloroform-d	4.40	84	126268	23.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.16%
26) 1,2-Dichloroethane-d4	5.08	65	74561	25.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.92%
29) Benzene-d6	5.10	84	263105	24.29	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.16%
33) 1,2-Dichloropropane-d6	6.12	67	75326	24.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.36%
37) Toluene-d8	7.36	98	237886	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.92%
38) trans-1,3-Dichloropropene-	7.67	79	31802	23.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.48%
39) 2-Hexanone-d5	8.14	63	29924	53.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	61864	24.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.28%
61) 1,2-Dichlorobenzene-d4	11.68	152	74240	23.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5680	1.553 ug/L	95
3) Chloromethane	1.25	50	3881	1.544 ug/L	96
5) Vinyl chloride	1.32	62	4043	1.441 ug/L #	67
6) Bromomethane	1.53	94	2396	1.776 ug/L	97
8) Chloroethane	1.60	64	2989	1.902 ug/L	92
9) Trichlorofluoromethane	1.77	101	7968	1.658 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5426	1.647 ug/L	89
12) 1,1-Dichloroethene	2.14	96	4880	1.697 ug/L #	1
13) Acetone	2.20	43	4149	3.350 ug/L	94
14) Carbon disulfide	2.32	76	12248	1.326 ug/L #	93
15) Methyl Acetate	2.46	43	2157	1.374 ug/L	95
16) Methylene chloride	2.53	84	12499	3.327 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	9047	1.385 ug/L	94
18) trans-1,2-Dichloroethene	2.79	96	4365	1.405 ug/L	98
19) 1,1-Dichloroethane	3.23	63	6497	1.290 ug/L	95
21) 2-Butanone	4.03	43	3130m	2.697 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	4503	1.390 ug/L	86

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Manual Integrations
 APPROVED

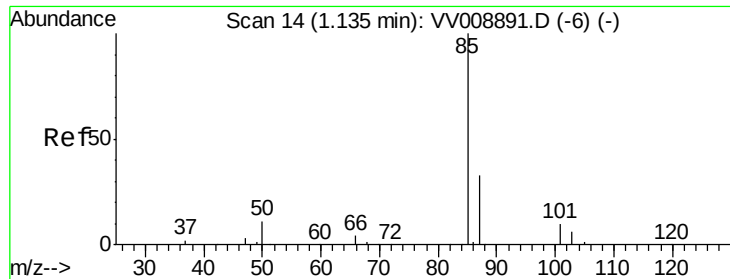
sam
 12/12/2018 11:26:35 AM

Quant Time: Dec 12 04:51:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.31	128	2021	1.323	ug/L	89
25) Chloroform	4.43	83	9736	1.801	ug/L	82
27) 1,2-Dichloroethane	5.18	62	5306	1.441	ug/L	98
30) Cyclohexane	4.73	56	6258	1.282	ug/L	95
31) 1,1,1-Trichloroethane	4.66	97	6571	1.314	ug/L #	89
32) Carbon tetrachloride	4.88	117	6025	1.320	ug/L	96
34) Benzene	5.15	78	16073m	1.383	ug/L	
35) Trichloroethene	5.96	95	5317	1.518	ug/L	96
36) Methylcyclohexane	6.18	83	7782	1.393	ug/L	93
40) 1,2-Dichloropropane	6.22	63	3752	1.346	ug/L #	85
41) Bromodichloromethane	6.56	83	4915	1.337	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	5477	1.342	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	6077	3.224	ug/L #	96
44) Toluene	7.43	91	17321	1.422	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	4754	1.336	ug/L	99
46) 1,1,2-Trichloroethane	7.89	97	3317	1.428	ug/L	94
47) Tetrachloroethene	8.02	164	3741	1.313	ug/L	89
49) 2-Hexanone	8.19	43	5446	3.493	ug/L #	89
50) Dibromochloromethane	8.29	129	3382	1.270	ug/L	87
51) 1,2-Dibromoethane	8.40	107	3149	1.350	ug/L #	95
52) Chlorobenzene	8.93	112	10974	1.383	ug/L	96
53) Ethylbenzene	9.06	91	16773	1.269	ug/L	99
54) m,p-Xylene	9.18	106	6169	1.233	ug/L	98
55) o-xylene	9.59	106	5652	1.215	ug/L	94
56) Styrene	9.61	104	8790	1.172	ug/L	97
57) Isopropylbenzene	9.98	105	14534	1.150	ug/L	95
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	3799	1.512	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	2974	1.368	ug/L	94
62) Bromoform	9.78	173	2090	1.395	ug/L #	94
63) 1,3-Dichlorobenzene	11.23	146	7598	1.421	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	7763	1.411	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	7342	1.490	ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.48	75	516m	1.278	ug/L	
67) 1,3,5-Trichlorobenzene	12.69	180	4901	1.269	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	2771	1.024	ug/L	95
69) Naphthalene	13.56	128	4169	0.895	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	2524	1.010	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 1.553 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 85 Resp: 5680

Ion Ratio Lower Upper

85 100

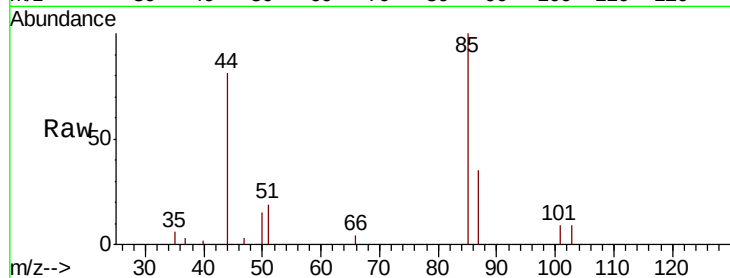
87 34.7 22.4 41.6

Manual Integrations

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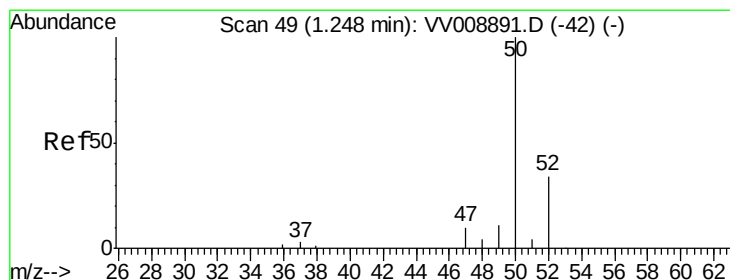
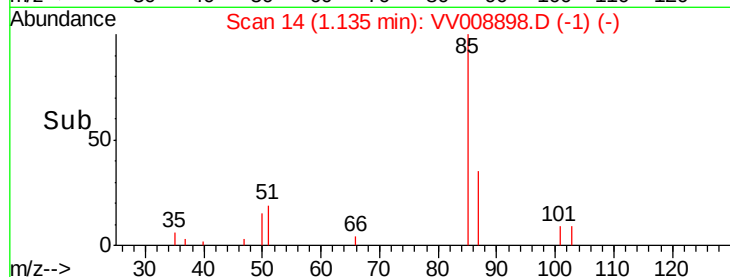
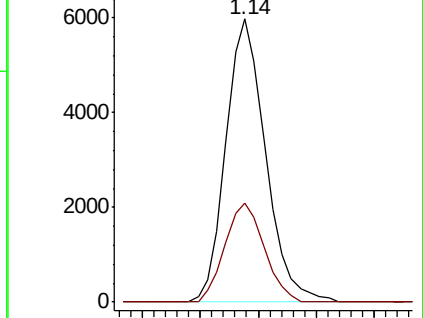
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Abundance Ion 85.00 (84.70 to 85.70): VV008898.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV008898.D (-6) (-)



#3

Chloromethane

Concen: 1.544 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV008898.D

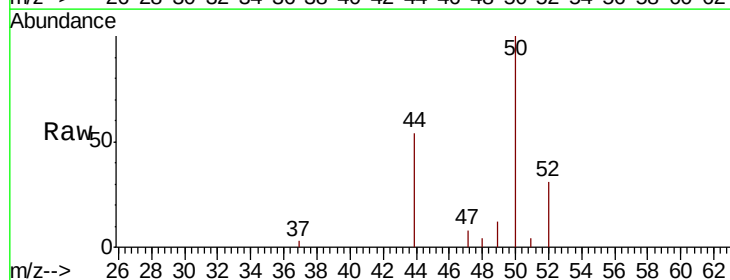
Acq: 11 Dec 2018 14:18

Tgt Ion: 50 Resp: 3881

Ion Ratio Lower Upper

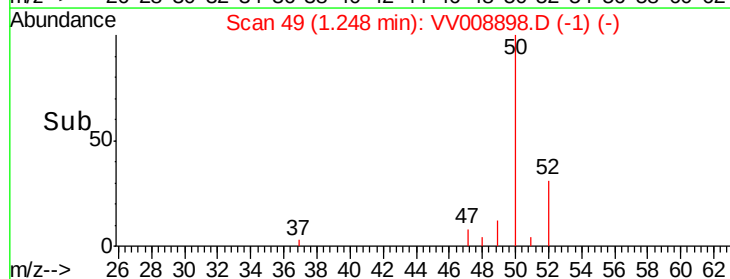
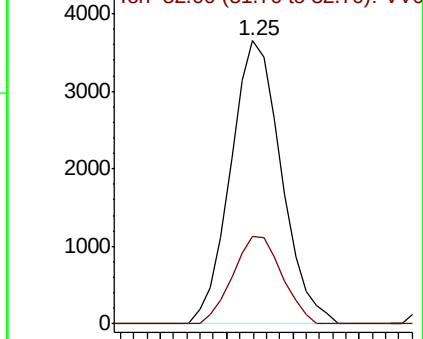
50 100

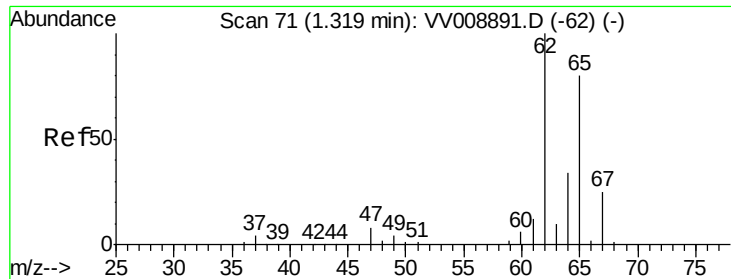
52 31.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV008898.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV008898.D (-42) (-)





#5

Vinyl chloride

Concen: 1.441 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 62 Resp: 4043

Ion Ratio Lower Upper

62 100

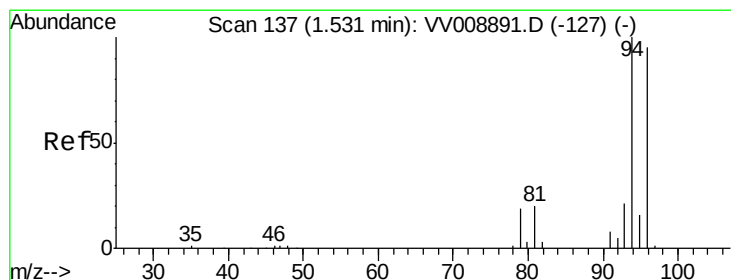
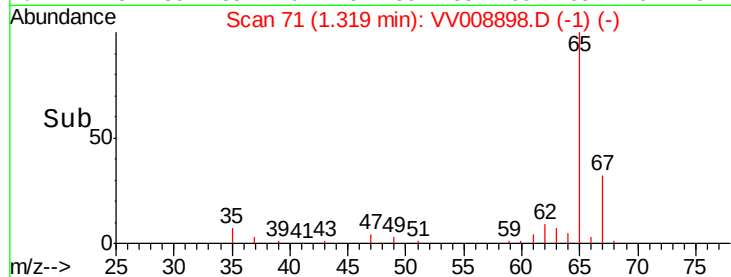
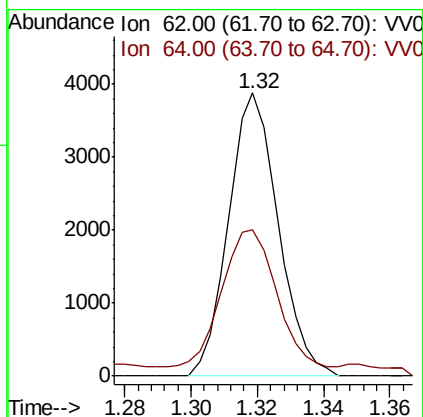
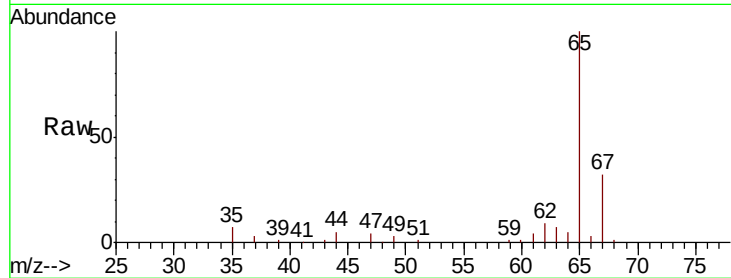
64 51.8 23.3 43.3#

Manual Integrations

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#6

Bromomethane

Concen: 1.776 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV008898.D

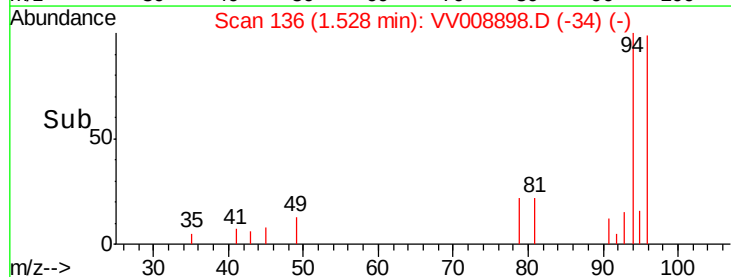
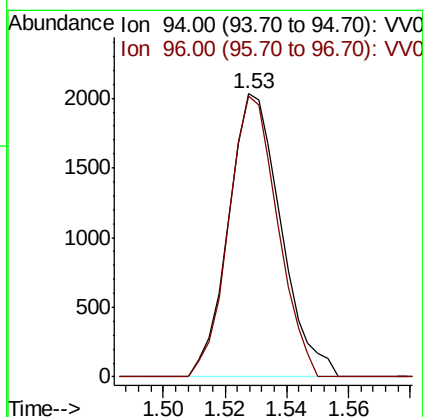
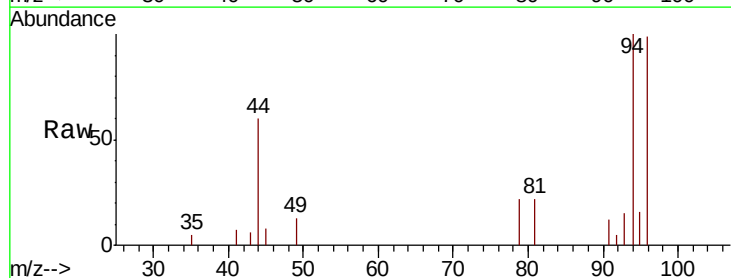
Acq: 11 Dec 2018 14:18

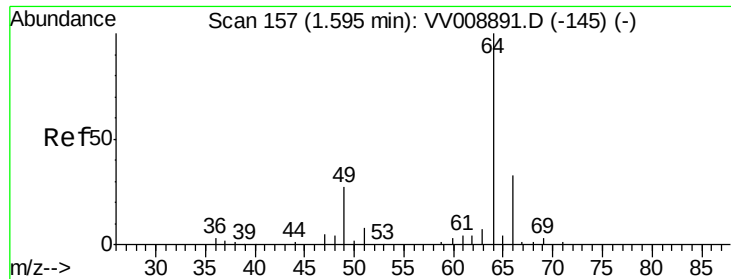
Tgt Ion: 94 Resp: 2396

Ion Ratio Lower Upper

94 100

96 92.7 9.5 180.9





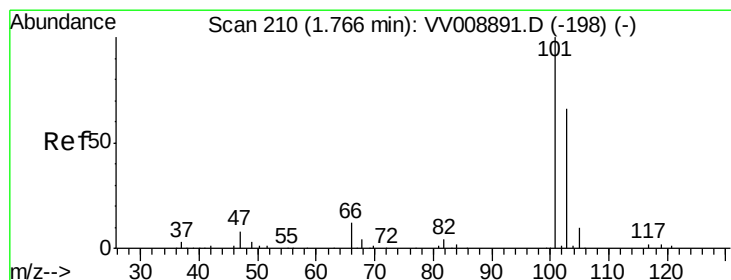
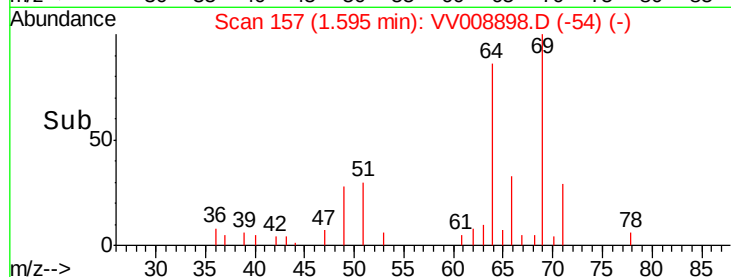
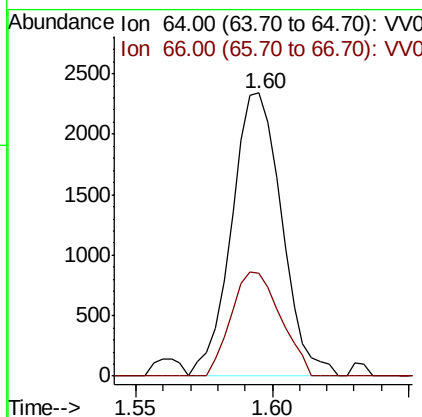
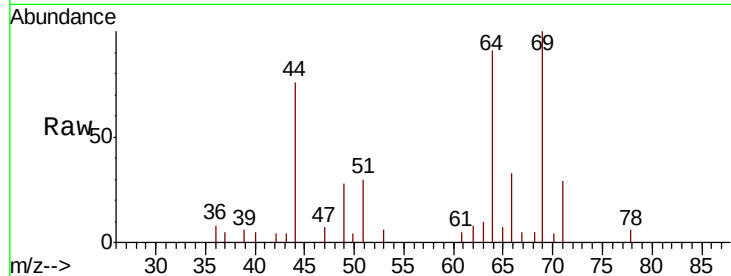
#8
Chloroethane
Concen: 1.902 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion: 64 Resp: 2989
Ion Ratio Lower Upper
64 100
66 36.2 22.2 41.2

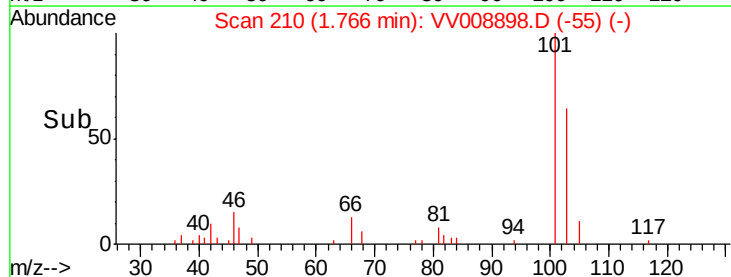
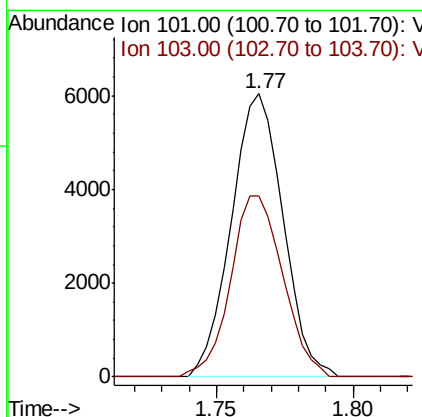
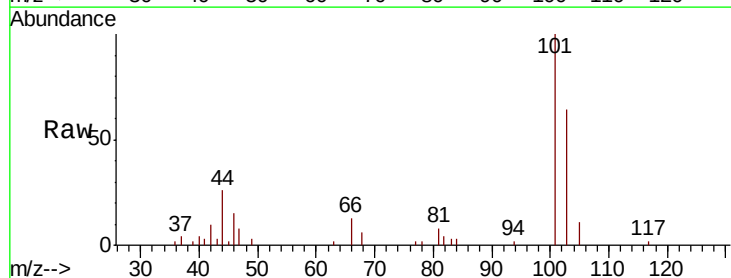
Manual Integrations
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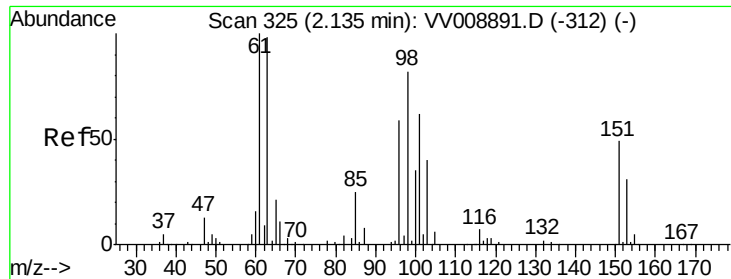
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#9
Trichlorofluoromethane
Concen: 1.658 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion: 101 Resp: 7968
Ion Ratio Lower Upper
101 100
103 64.7 44.8 83.2





#11

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

Concen: 1.647 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

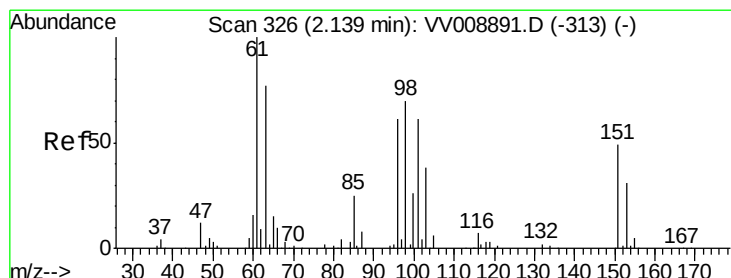
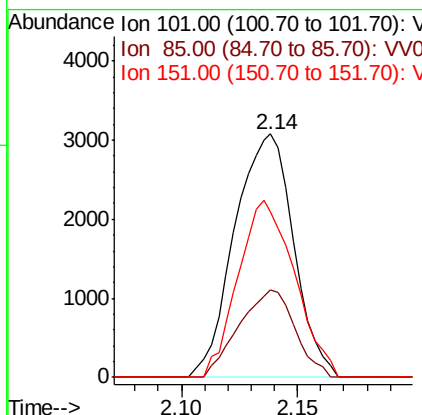
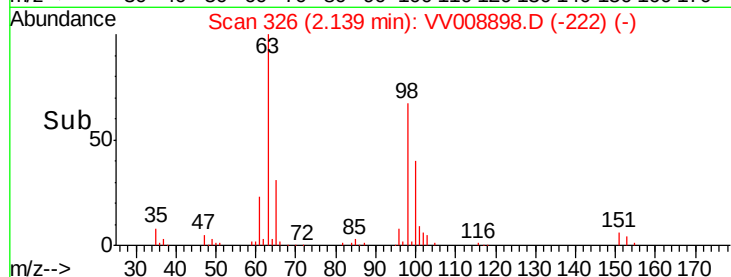
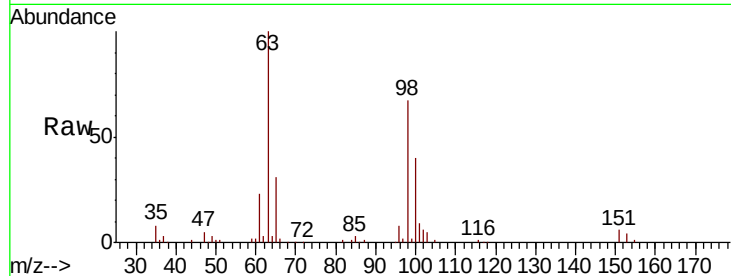
ClientSampleId :

MDL06

Tot Ion:	101	Resp:	5426
Ion Ratio	Lower	Upper	
101	100		
85	34.1	32.5	48.7
151	69.9	64.2	96.4

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.697 ug/L

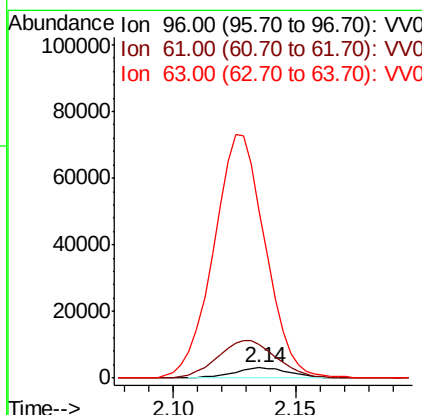
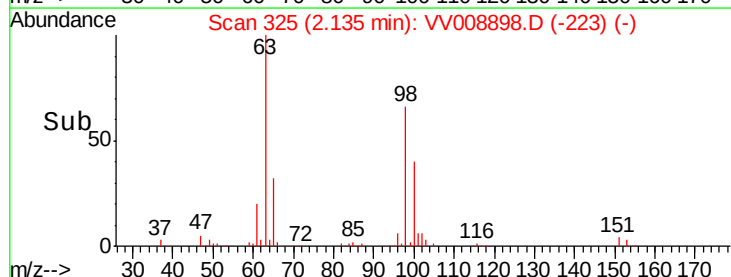
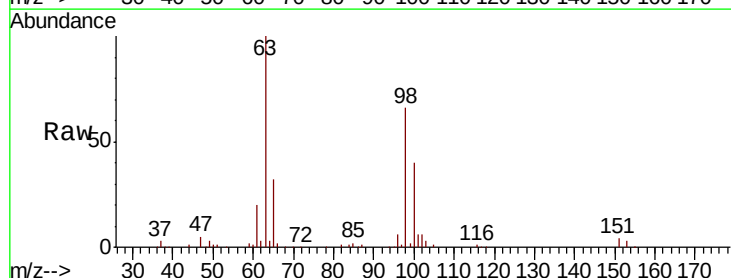
RT: 2.14 min Scan# 325

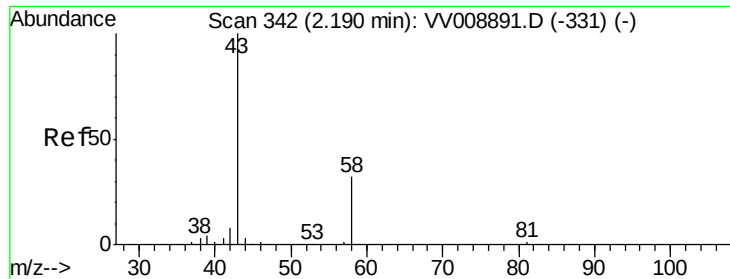
Delta R.T. -0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Tgt Ion:	96	Resp:	4880
Ion Ratio	Lower	Upper	
96	100		
61	323.8	114.0	211.6#
63	1635.0	82.4	153.0#





#13

Acetone

Concen: 3.350 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 4149

Ion Ratio Lower Upper

43 100

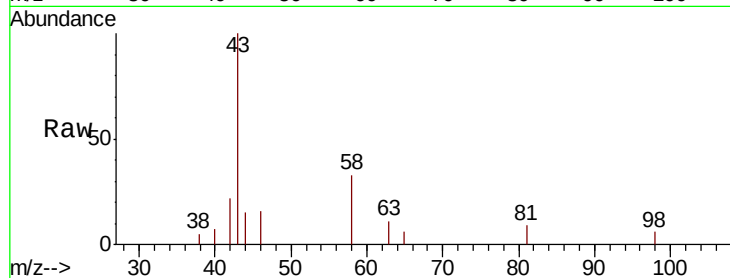
58 29.4 0.0 65.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VV008898.D (-239) (-)

Ion 58.00 (57.70 to 58.70): VV008898.D (-239) (-)

2.20

2500

2000

1500

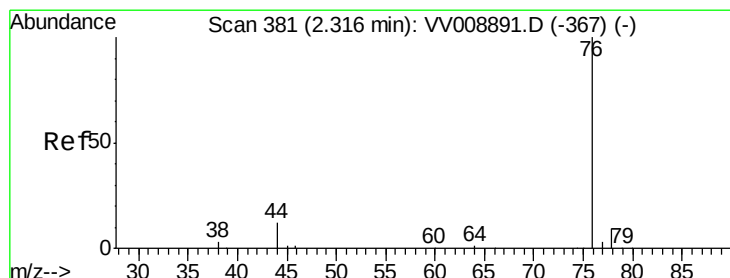
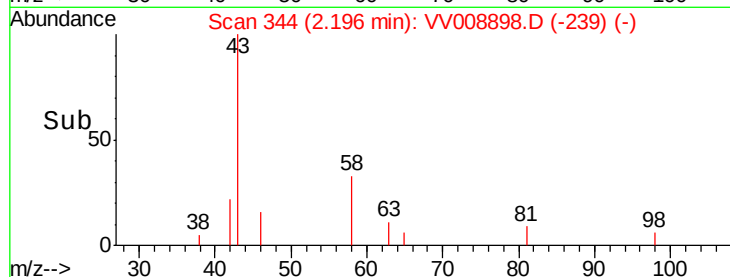
1000

500

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 1.326 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV008898.D

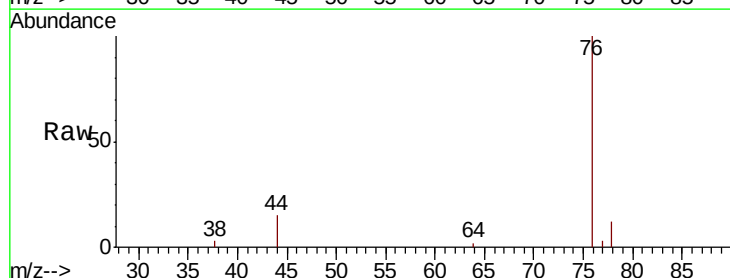
Acq: 11 Dec 2018 14:18

Tgt Ion: 76 Resp: 12248

Ion Ratio Lower Upper

76 100

78 11.6 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VV008898.D (-226) (-)

Ion 78.00 (77.70 to 78.70): VV008898.D (-226) (-)

2.32

8000

6000

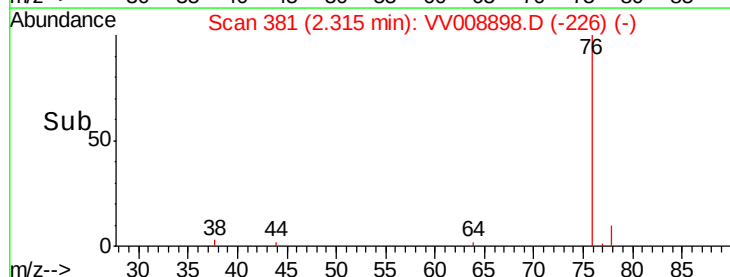
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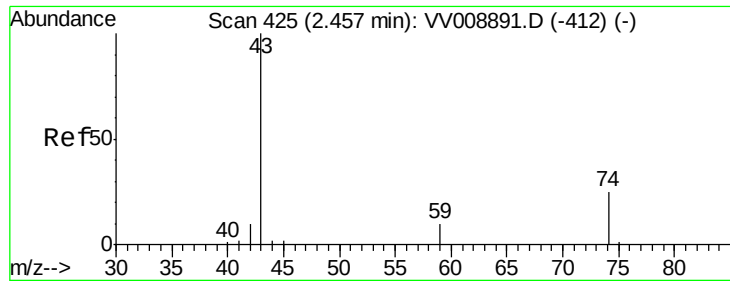
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0

Time-->

2.25 2.30 2.35





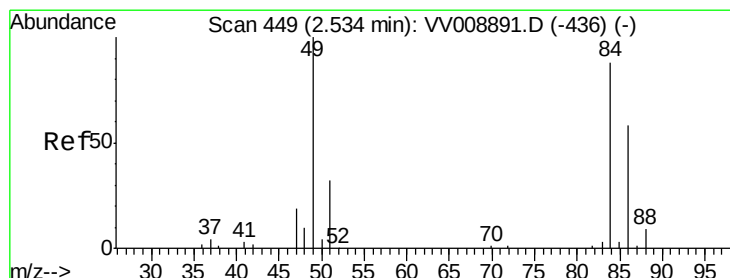
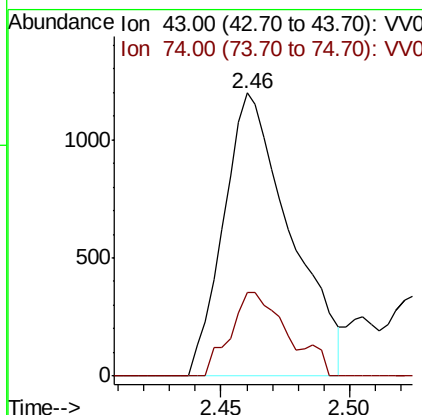
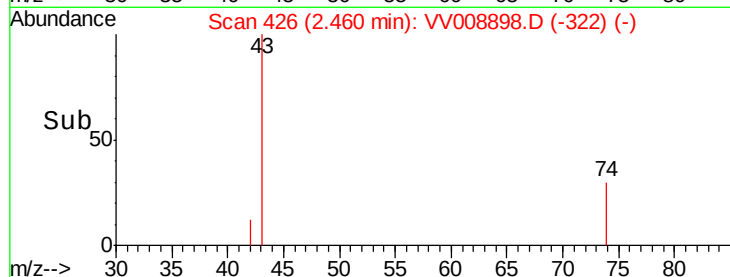
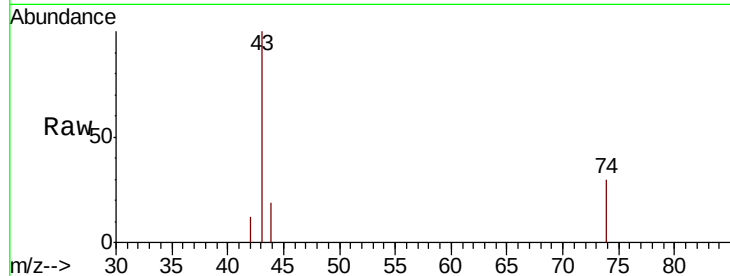
#15
Methvl Acetate
Concen: 1.374 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion: 43 Resp: 2157
Ion Ratio Lower Upper
43 100
74 22.3 19.7 29.5

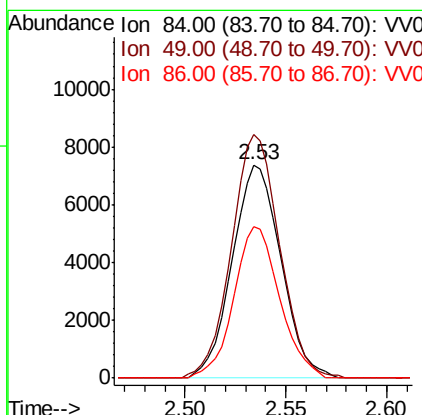
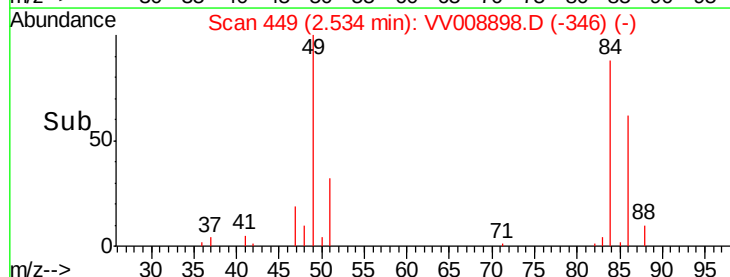
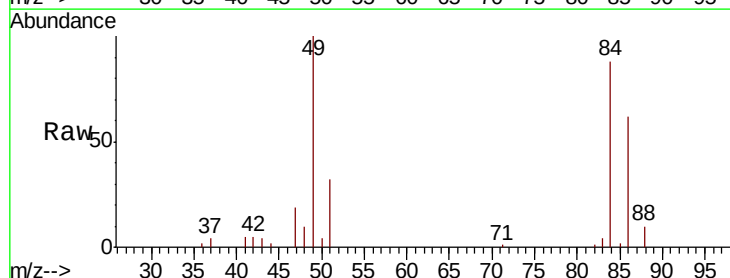
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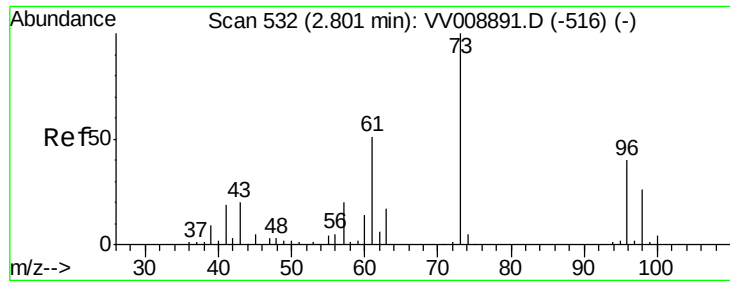
sam
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#16
Methylene chloride
Concen: 3.327 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion: 84 Resp: 12499
Ion Ratio Lower Upper
84 100
49 114.3 80.5 149.5
86 71.1 45.5 84.5





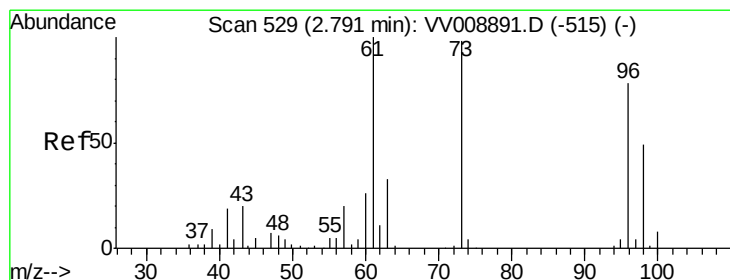
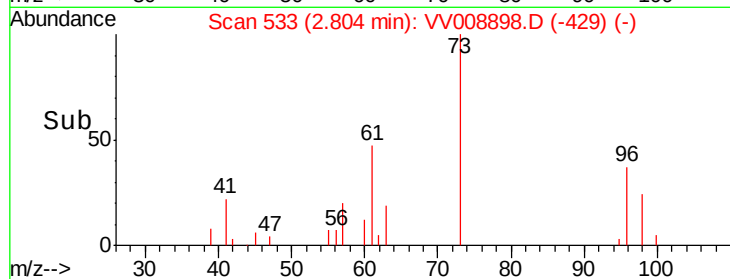
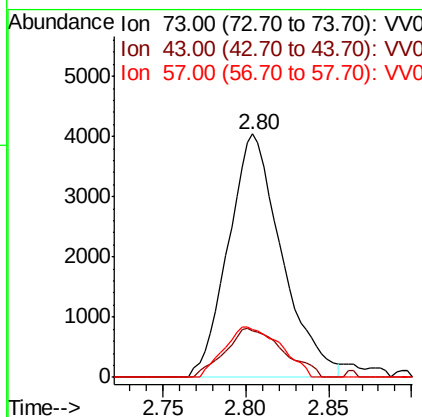
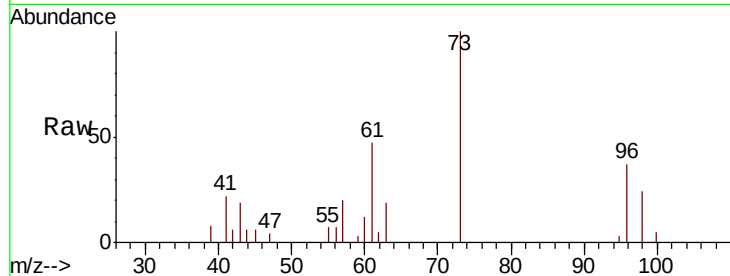
#17
Methvl tert-butvl Ether
Concen: 1.385 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion: 73 Resp: 9047
Ion Ratio Lower Upper
73 100
43 21.8 14.9 22.3
57 21.9 16.0 24.0

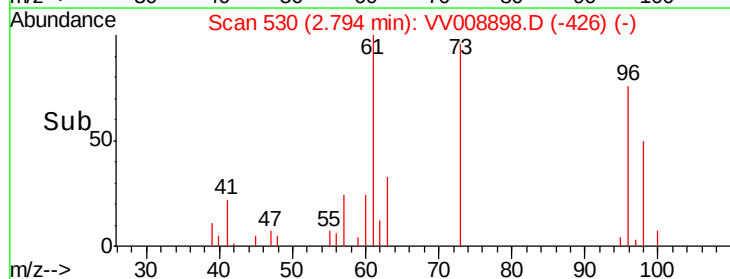
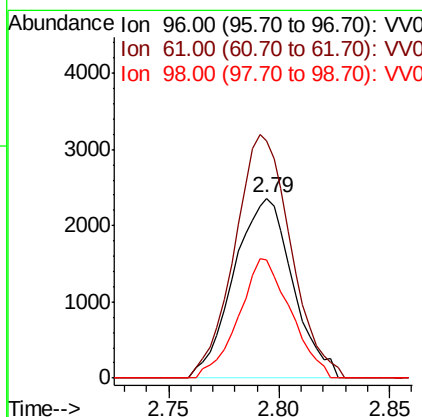
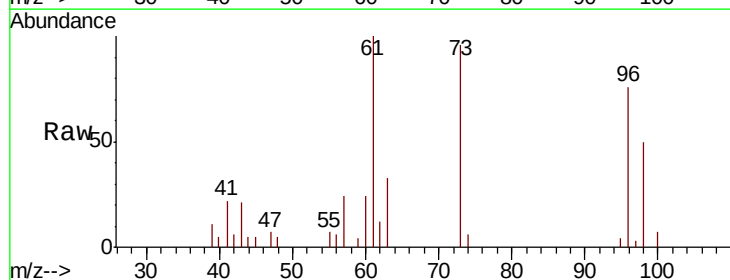
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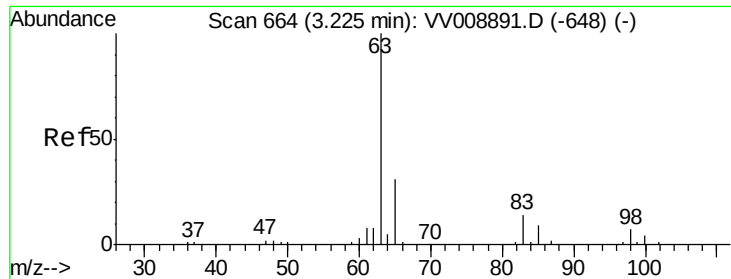
sam
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#18
trans-1,2-Dichloroethene
Concen: 1.405 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion: 96 Resp: 4365
Ion Ratio Lower Upper
96 100
61 132.1 94.6 175.8
98 65.6 45.3 84.1





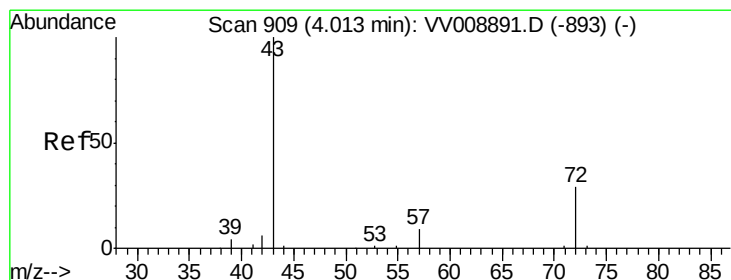
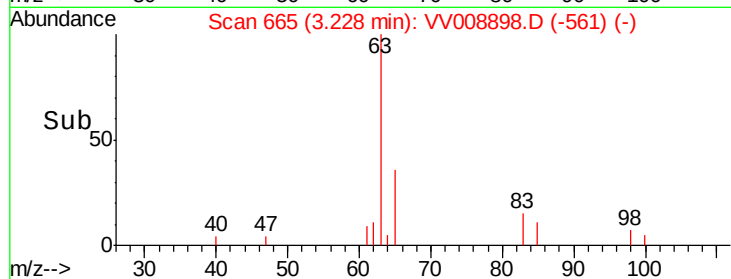
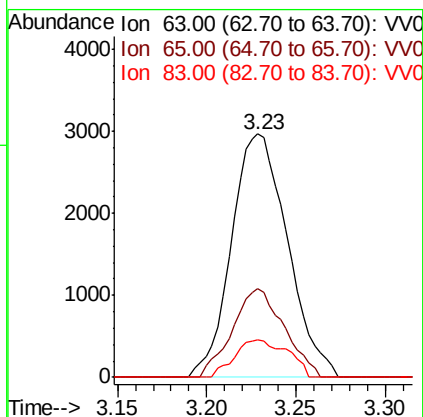
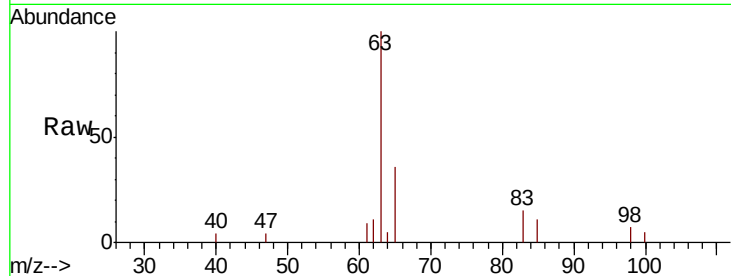
#19
 1,1-Dichloroethane
 Concen: 1.290 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
63	100		
65	36.4	22.7	42.1
83	15.2	10.2	19.0

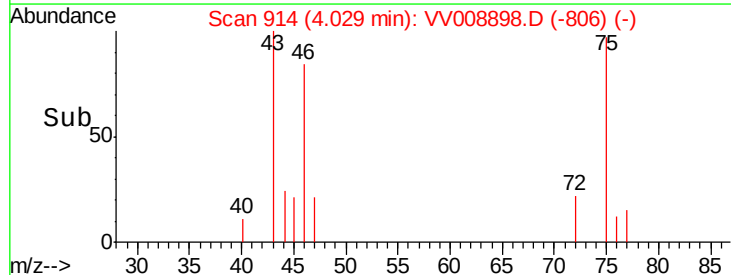
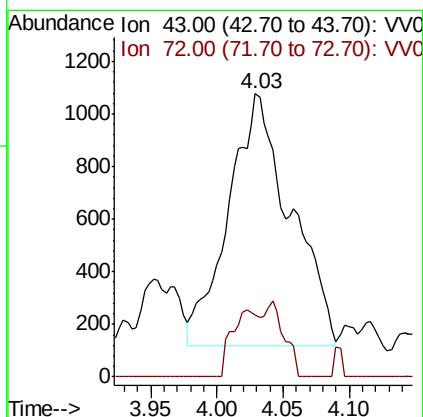
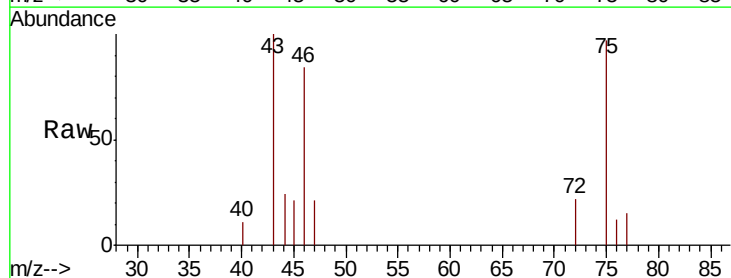
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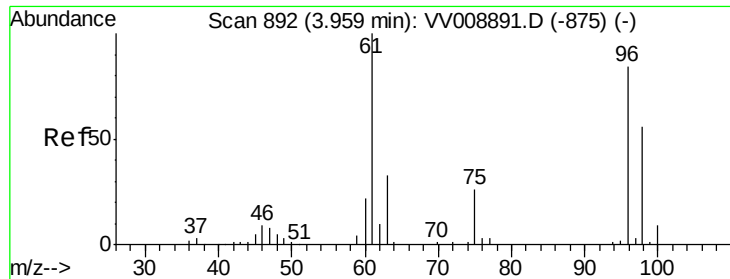
sam
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#21
 2-Butanone
 Concen: 2.697 ug/L m
 RT: 4.03 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	3.4	13.7	41.1#





#22

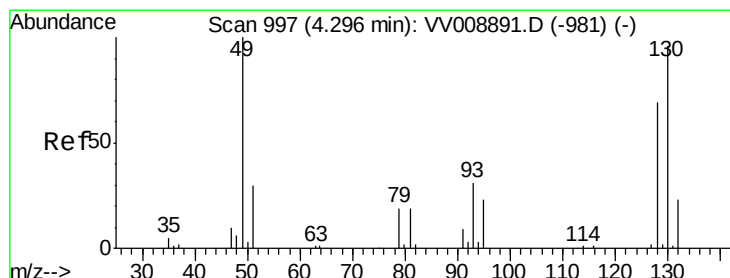
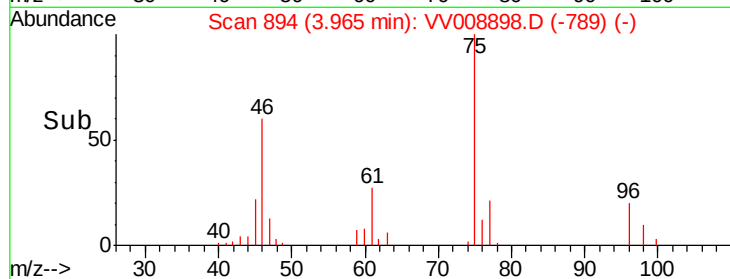
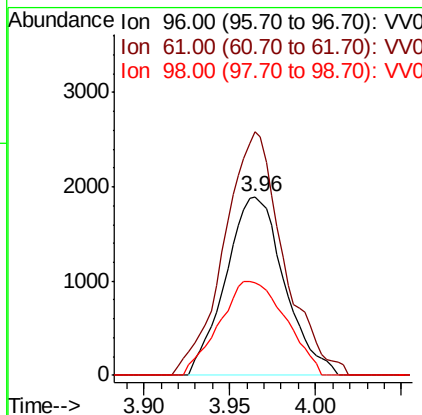
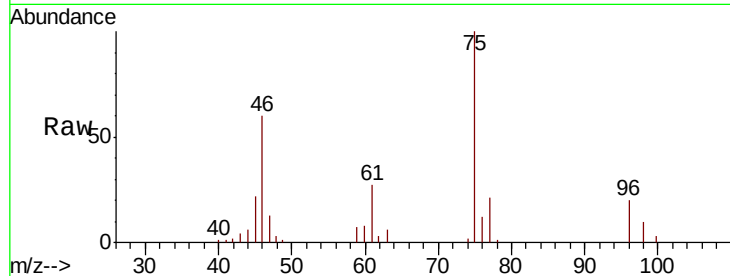
cis-1,2-Dichloroethene
Concen: 1.390 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.5	86.2	160.0
98	51.6	45.6	84.6

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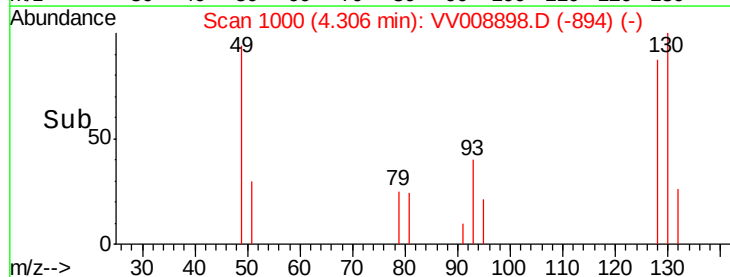
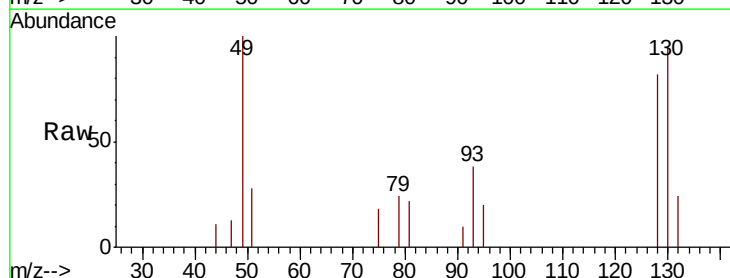
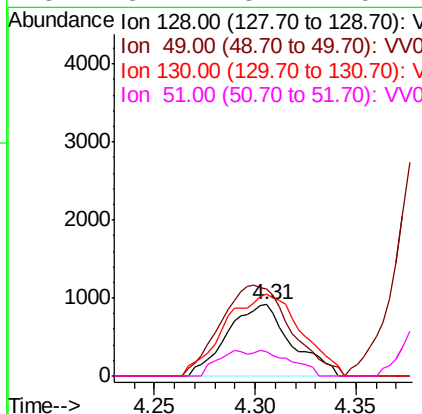
sam
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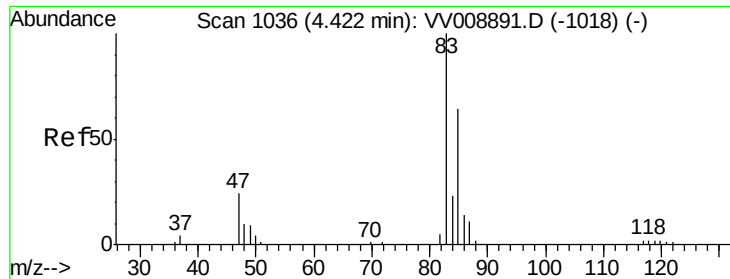


#23

Bromochloromethane
Concen: 1.323 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
128	100		
49	121.8	93.8	174.2
130	115.2	90.4	168.0
51	34.7	34.2	51.4





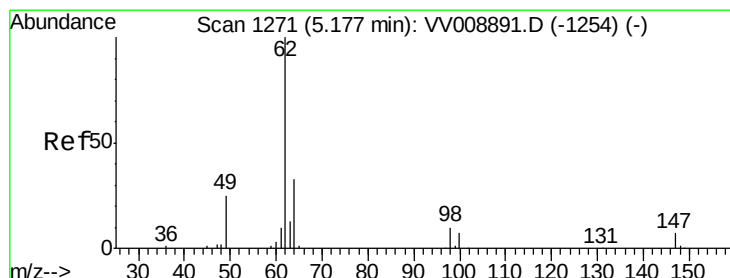
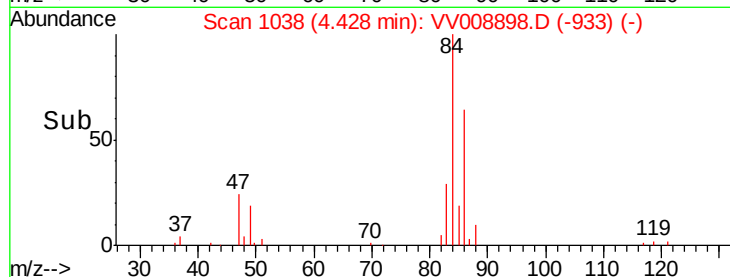
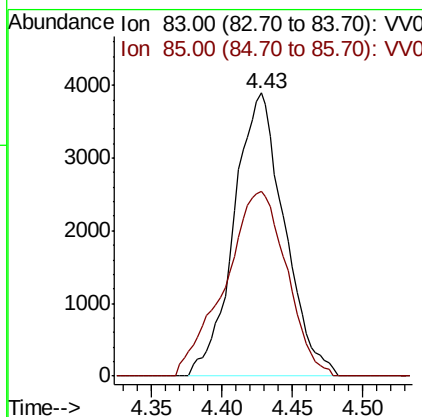
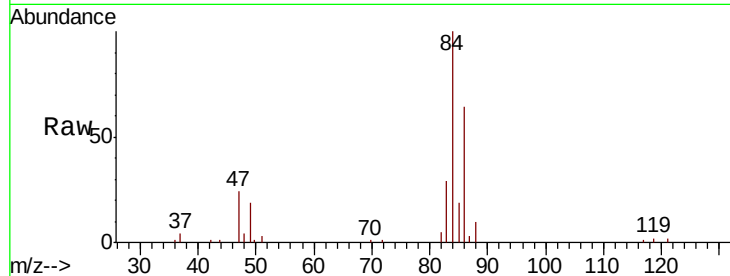
#25
Chloroform
Concen: 1.801 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion: 83 Resp: 9736
Ion Ratio Lower Upper
83 100
85 79.7 45.6 84.8

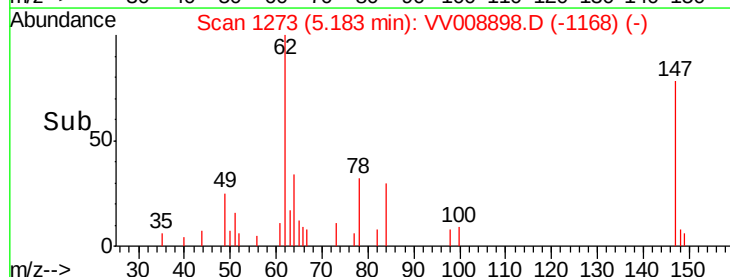
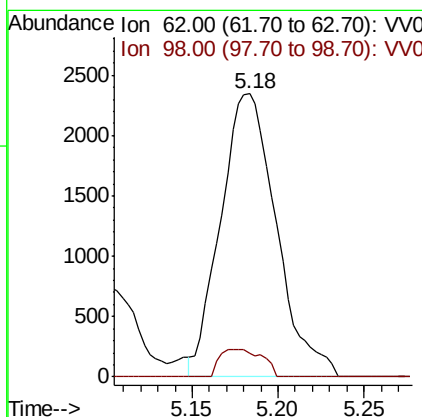
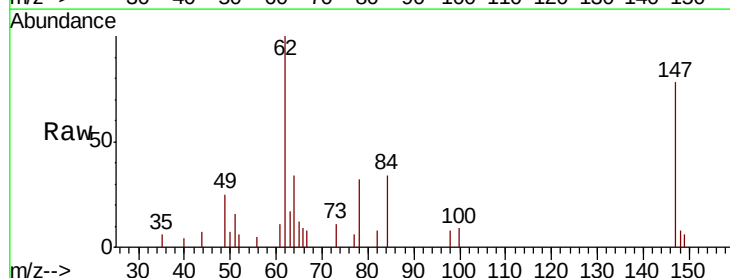
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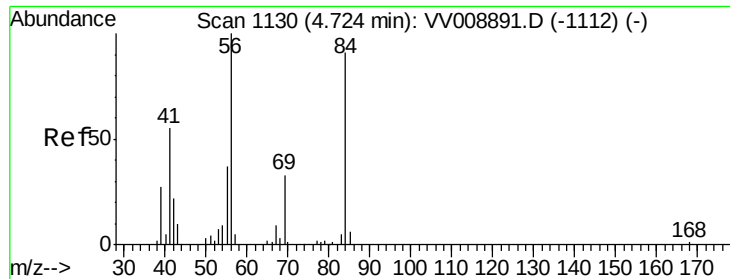
sam
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#27
1,2-Dichloroethane
Concen: 1.441 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion: 62 Resp: 5306
Ion Ratio Lower Upper
62 100
98 8.4 7.4 11.0





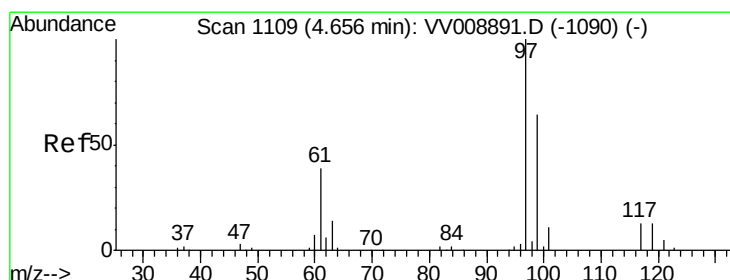
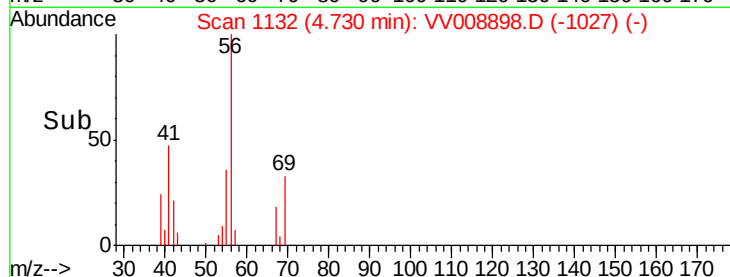
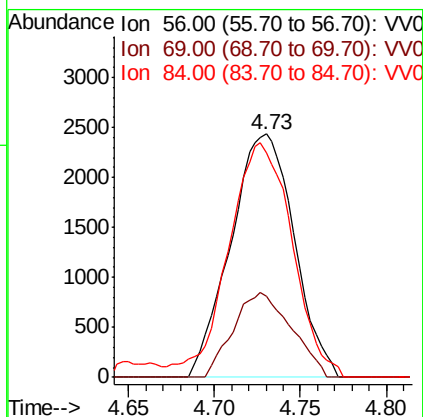
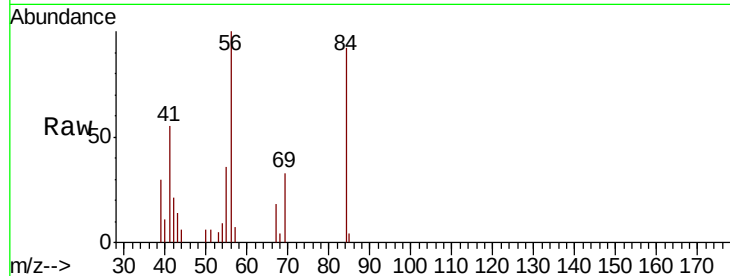
#30
Cyclohexane
Concen: 1.282 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.8	38.8
84	97.0	73.0	109.6

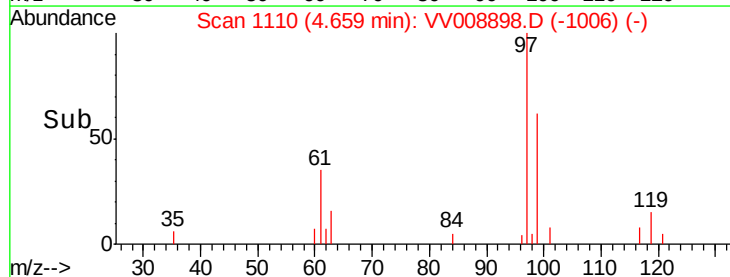
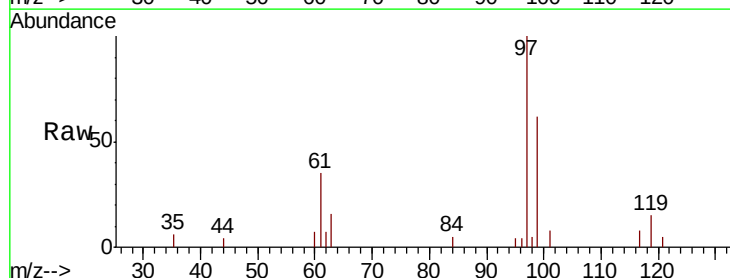
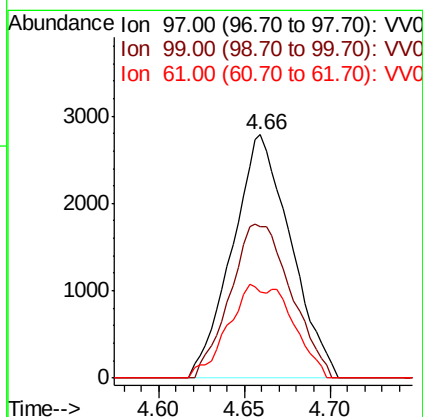
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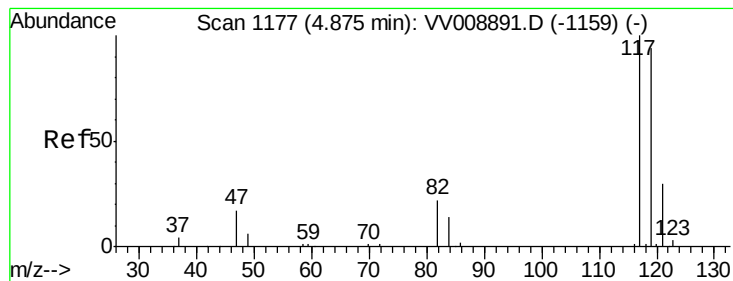
sam
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#31
1,1,1-Trichloroethane
Concen: 1.314 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.9	77.9
61	24.9	33.1	49.7#





#32

Carbon tetrachloride

Concen: 1.320 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion:117 Resp: 6025

Ion Ratio Lower Upper

117 100

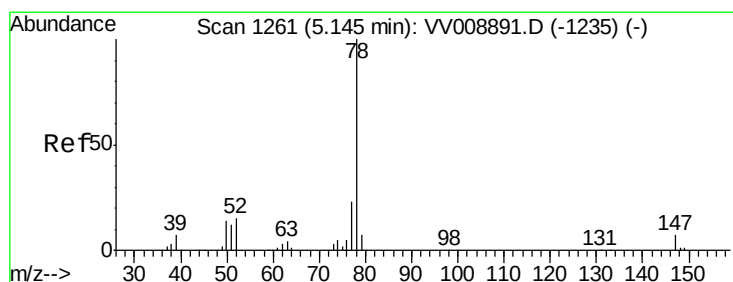
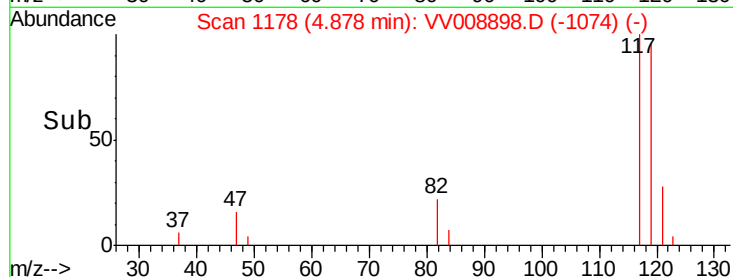
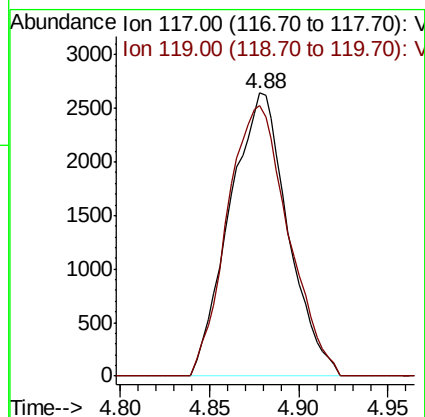
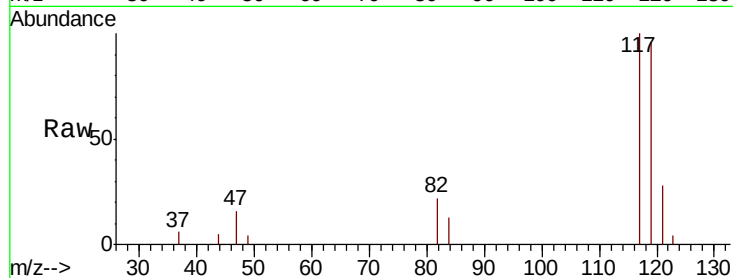
119 100.0 77.1 115.7

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#34

Benzene

Concen: 1.383 ug/L m

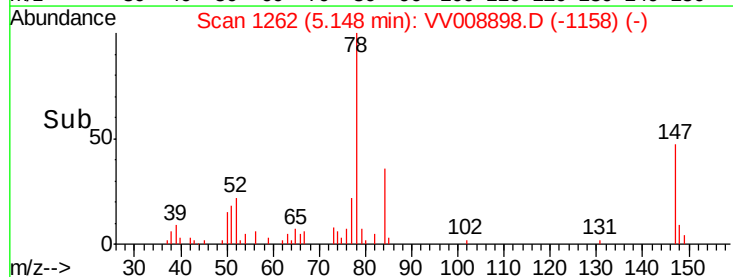
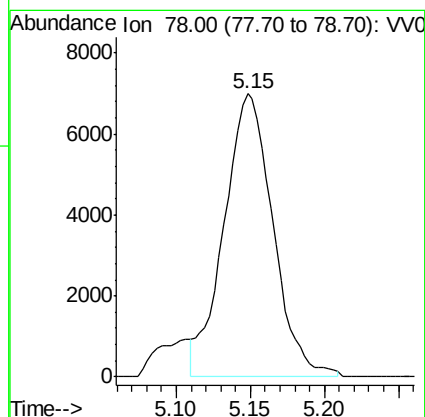
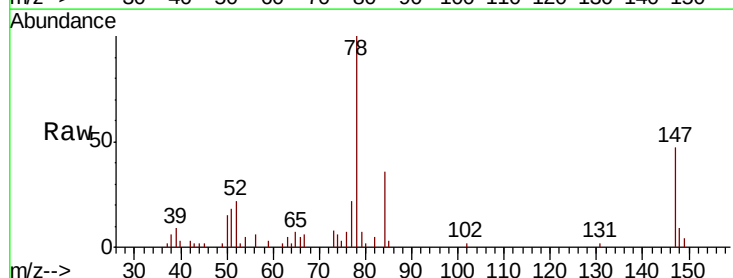
RT: 5.15 min Scan# 1262

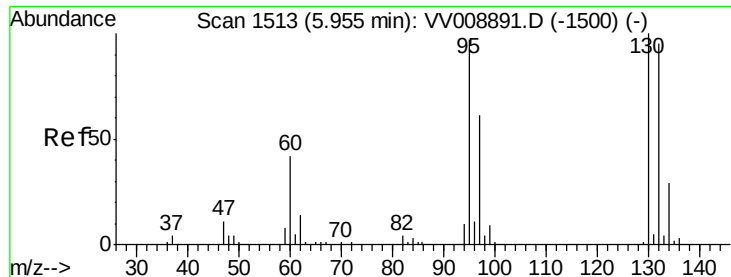
Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Tgt Ion: 78 Resp: 16073





#35

Trichloroethene

Concen: 1.518 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

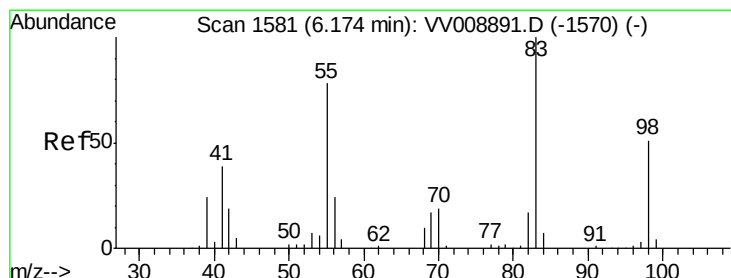
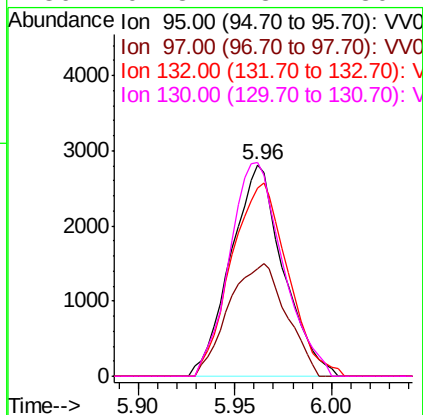
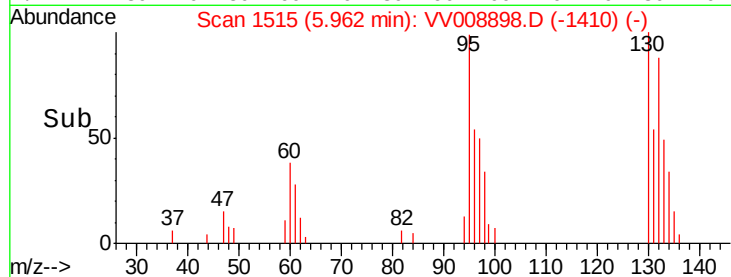
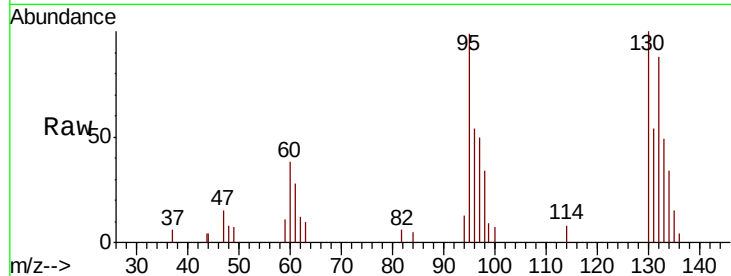
ClientSampleId :

MDL06

Tot Ion:	95	Resp:	5317
Ion	Ratio	Lower	Upper
95	100		
97	58.0	45.3	84.1
132	97.9	70.0	130.0
130	102.8	73.4	136.4

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#36

Methylcyclohexane

Concen: 1.393 ug/L

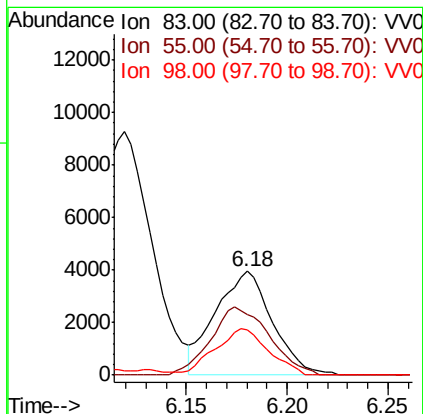
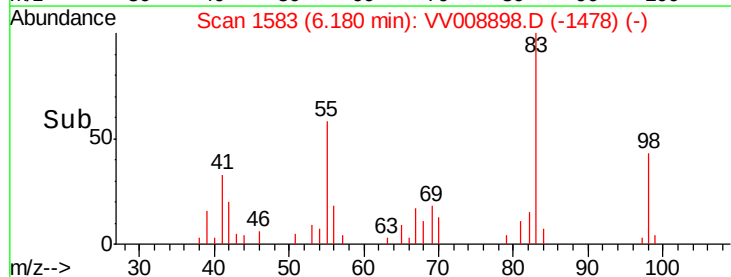
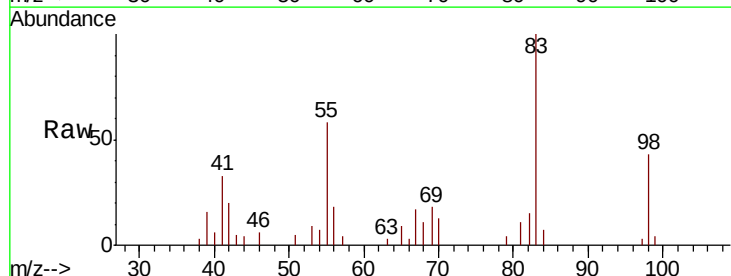
RT: 6.18 min Scan# 1583

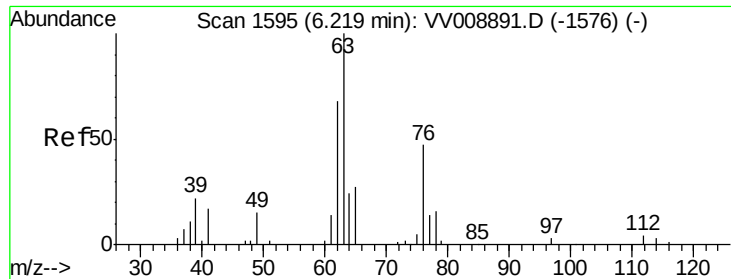
Delta R.T. 0.01 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Tgt Ion:	83	Resp:	7782
Ion	Ratio	Lower	Upper
83	100		
55	67.2	58.2	87.2
98	41.6	37.8	56.8





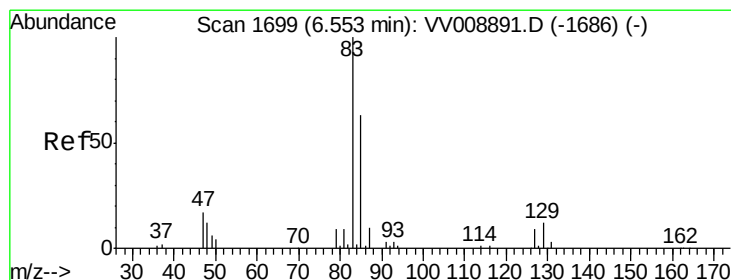
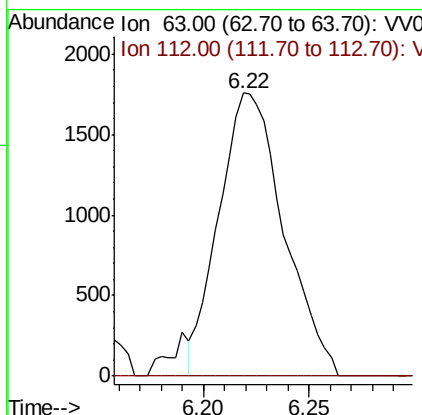
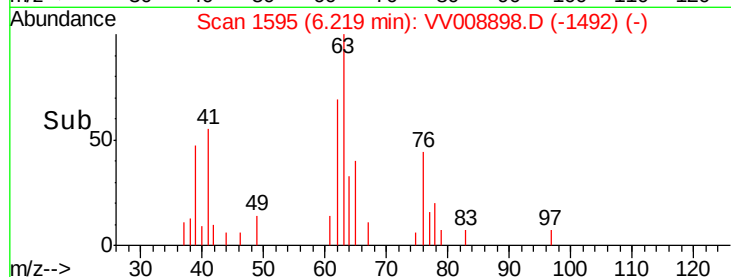
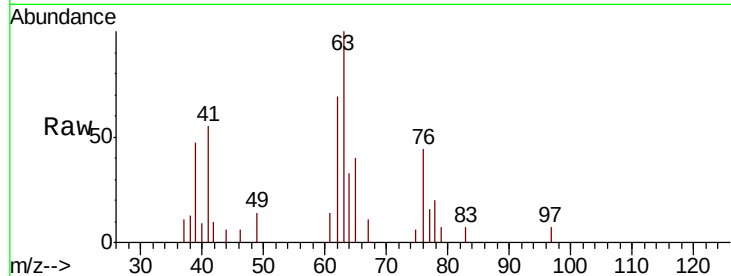
#40
 1,2-Dichloropropane
 Concen: 1.346 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion: 63 Resp: 3752
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#

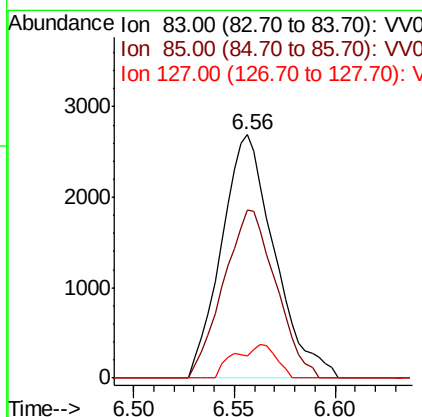
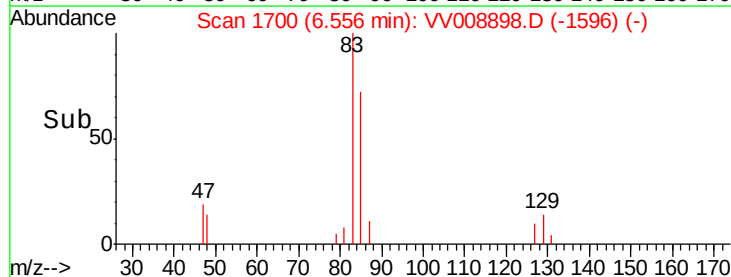
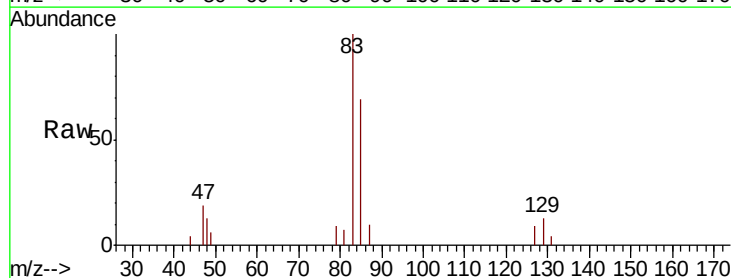
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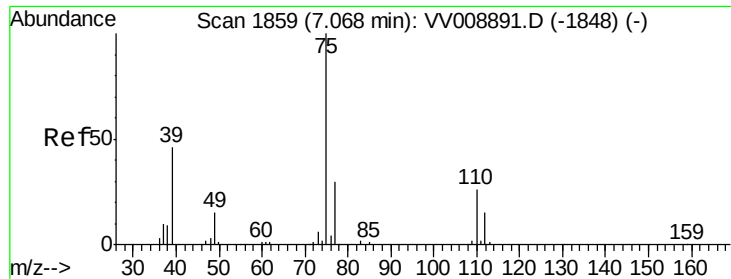
sam
 12/12/2018 11:26:35 AM



#41
 Bromodichloromethane
 Concen: 1.337 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Tgt Ion: 83 Resp: 4915
 Ion Ratio Lower Upper
 83 100
 85 69.1 45.3 84.1
 127 9.4 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 1.342 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 75 Resp: 5477

Ion Ratio Lower Upper

75 100

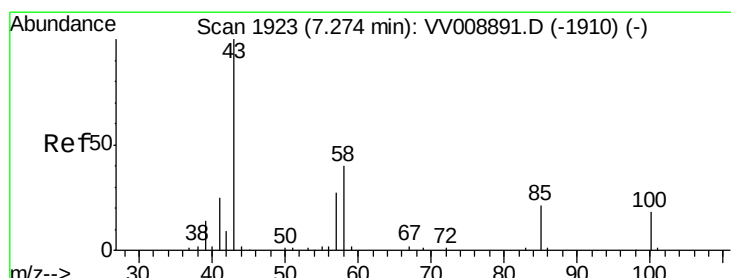
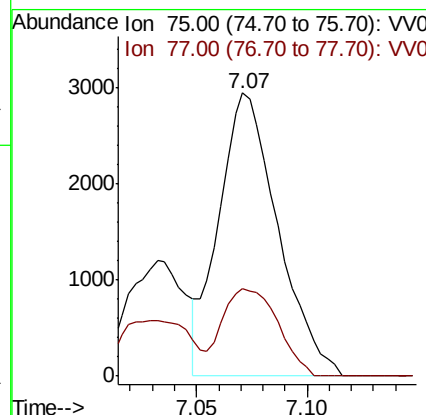
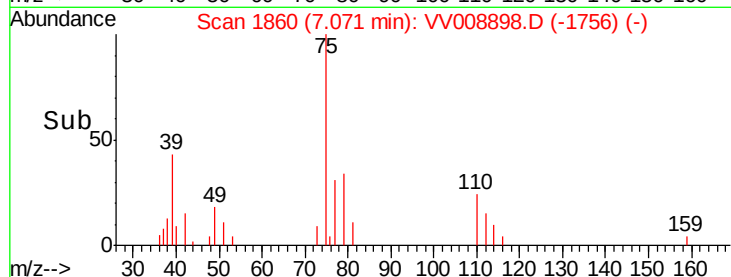
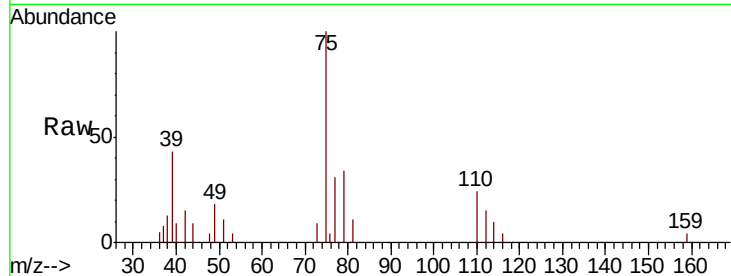
77 30.8 21.3 39.6

Manual Integrations

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#43

4-Methyl-2-pentanone

Concen: 3.224 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

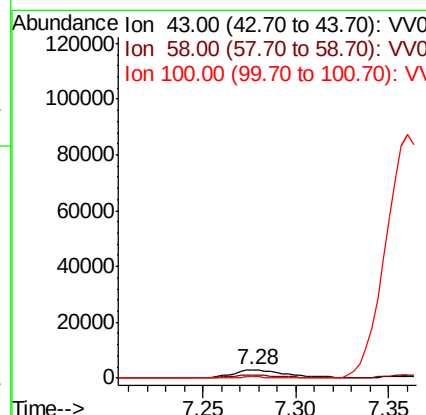
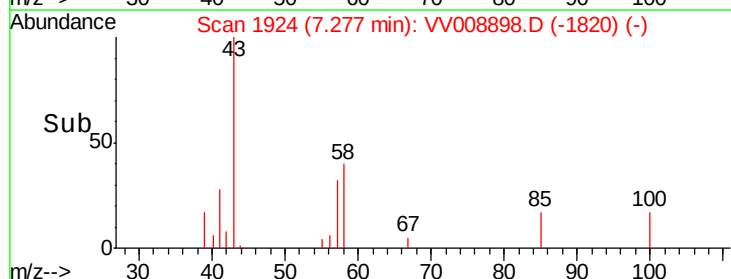
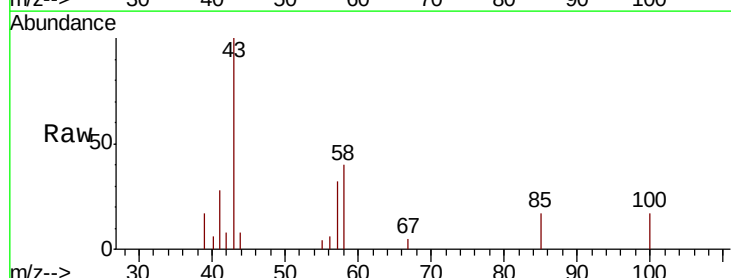
Tgt Ion: 43 Resp: 6077

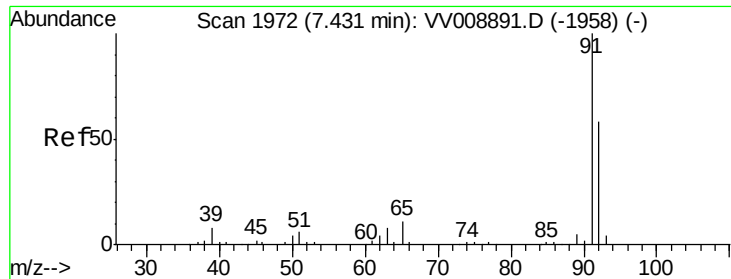
Ion Ratio Lower Upper

43 100

58 39.7 32.2 48.4

100 12.3 13.8 20.8#





#44

Toluene

Concen: 1.422 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 17321

Ion Ratio Lower Upper

91 100

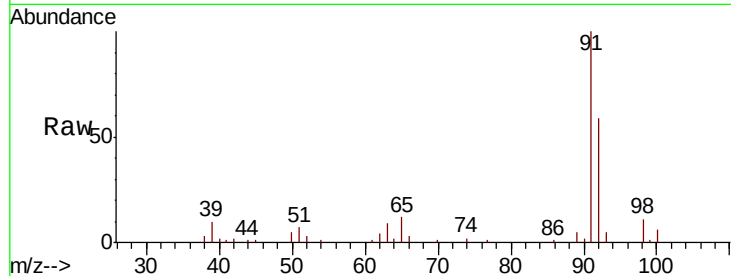
92 59.5 41.7 77.5

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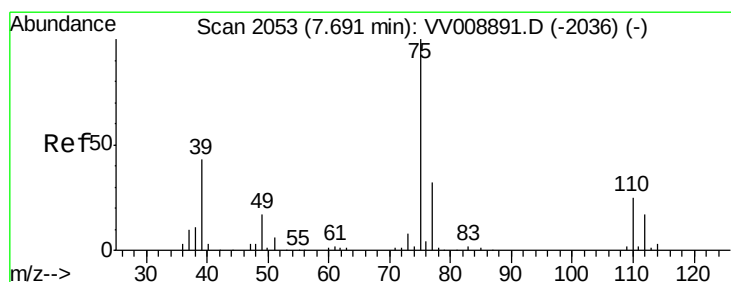
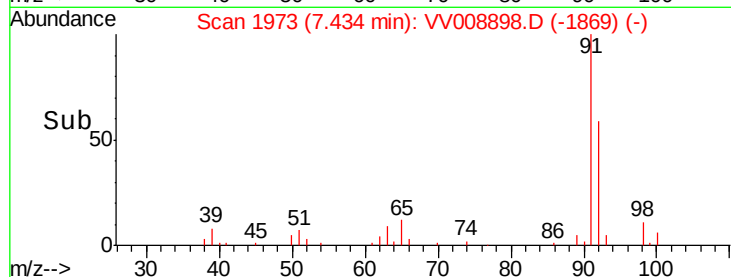
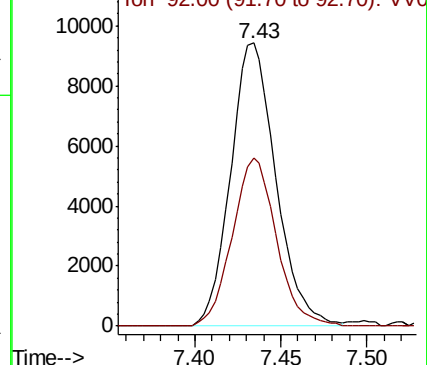
sam

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Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 1.336 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008898.D

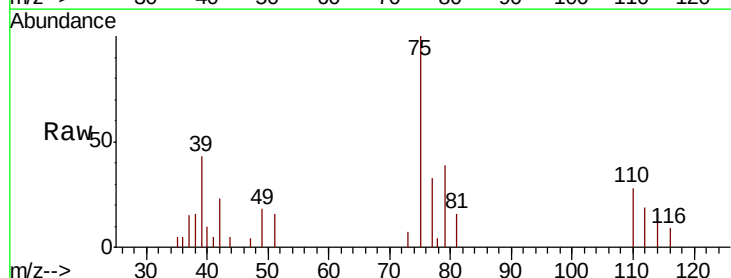
Acq: 11 Dec 2018 14:18

Tgt Ion: 75 Resp: 4754

Ion Ratio Lower Upper

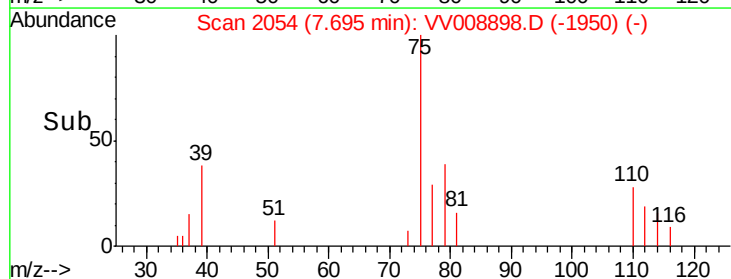
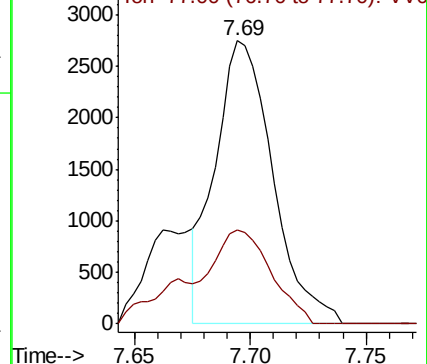
75 100

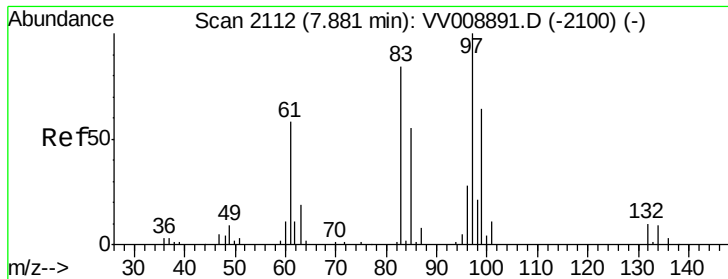
77 33.4 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





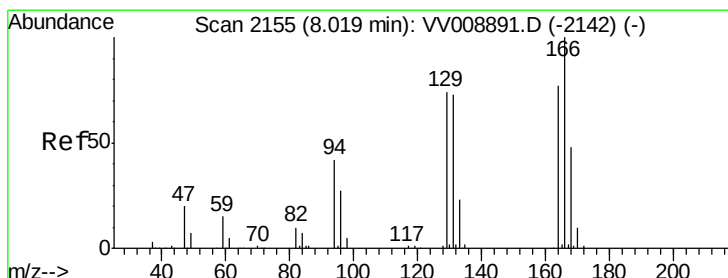
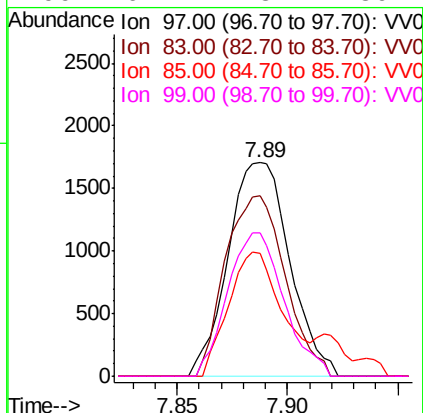
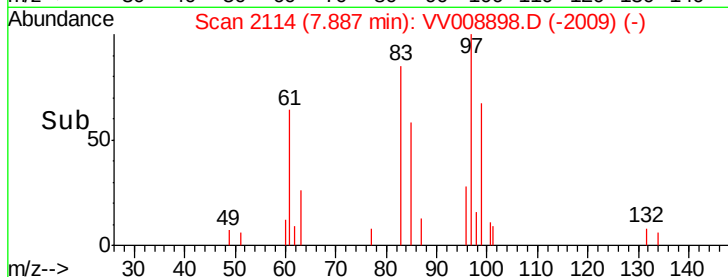
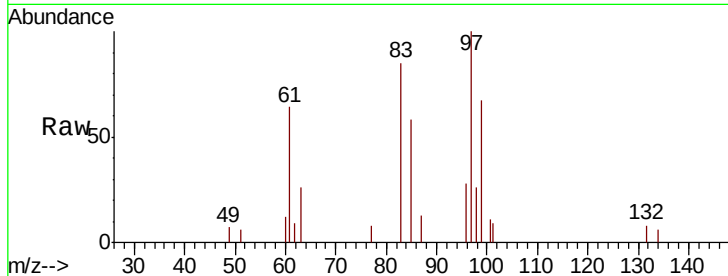
#46
1,1,2-Trichloroethane
Concen: 1.428 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.01 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion:	97	Resp:	3317
Ion	Ratio	Lower	Upper
97	100		
83	84.8	56.6	105.2
85	57.7	36.6	68.0
99	67.4	43.2	80.2

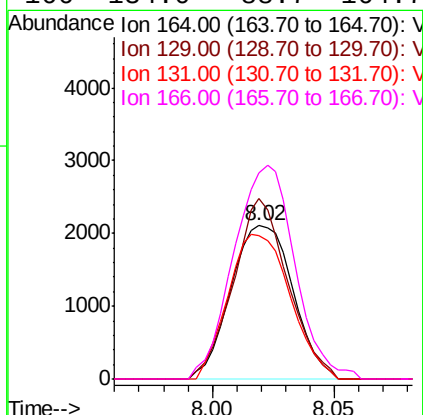
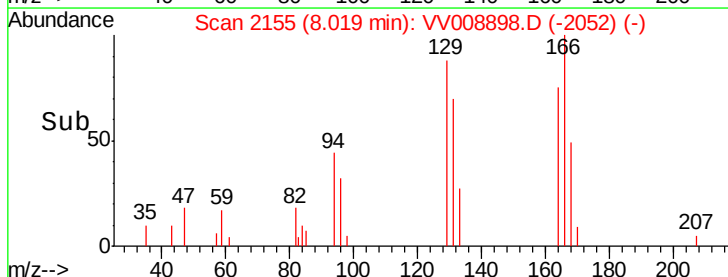
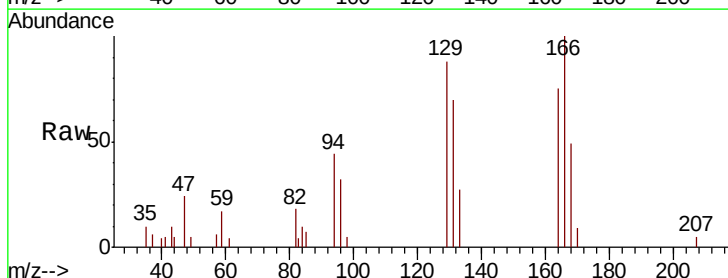
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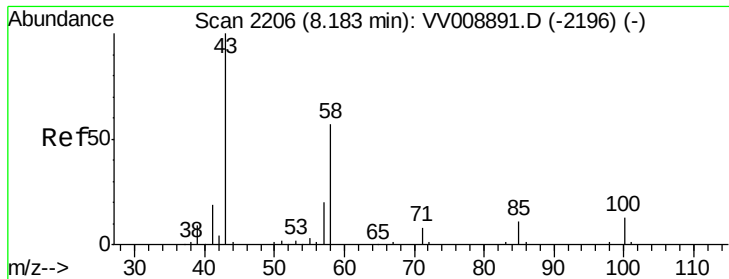
sam
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#47
Tetrachloroethene
Concen: 1.313 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion:	164	Resp:	3741
Ion	Ratio	Lower	Upper
164	100		
129	117.8	64.6	120.0
131	93.6	64.5	119.7
166	134.0	88.7	164.7





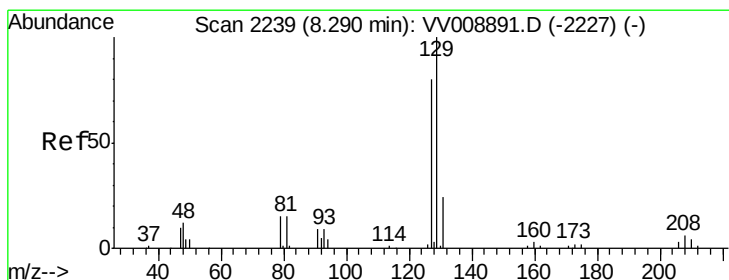
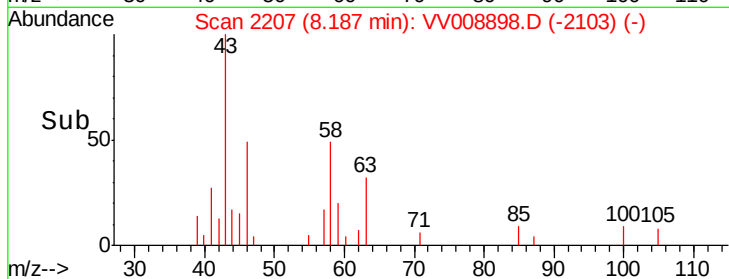
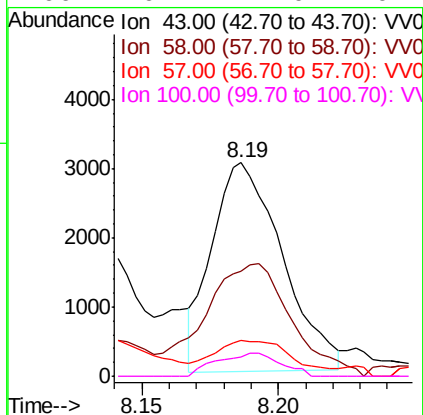
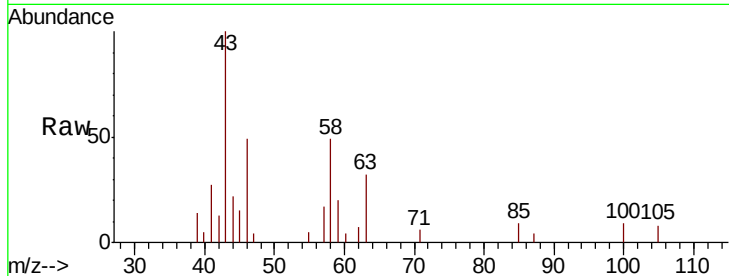
#49
2-Hexanone
Concen: 3.493 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
43	100		
58	66.0	43.9	65.9#
57	19.4	15.7	23.5
100	10.1	11.0	16.4#

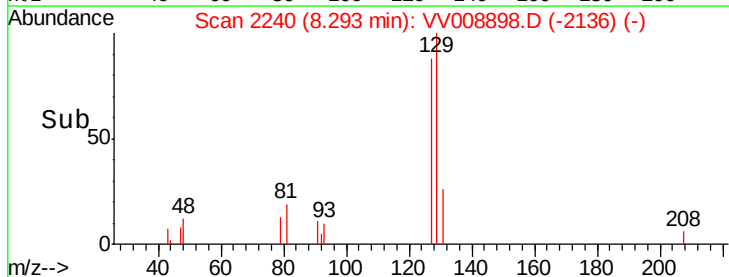
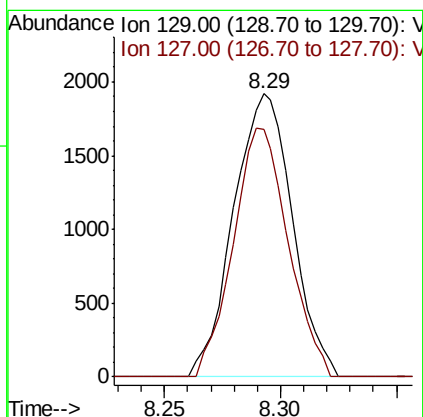
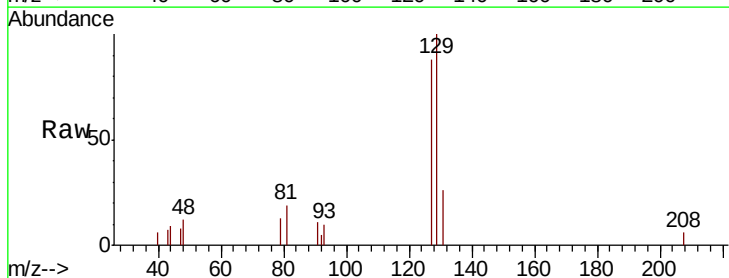
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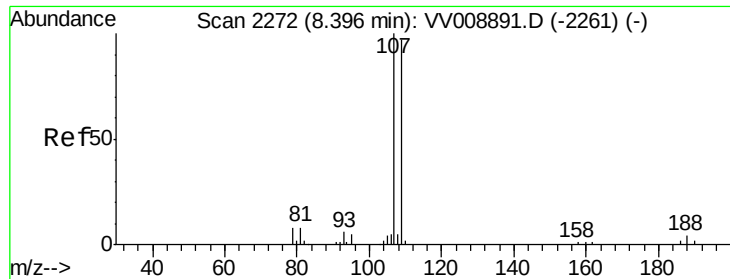
sam
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#50
Dibromochloromethane
Concen: 1.270 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	87.6	53.5	99.3





#51

1,2-Dibromoethane

Concen: 1.350 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

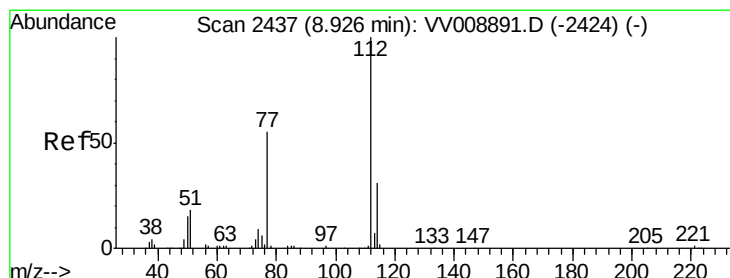
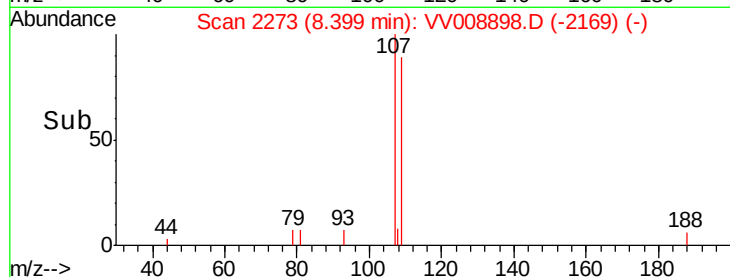
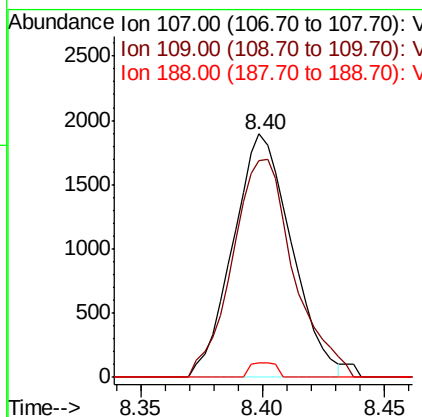
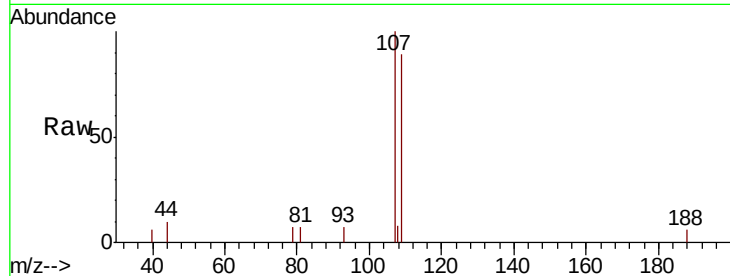
ClientSampleId :

MDL06

Tot Ion:	107	Resp:	3149
Ion Ratio	Lower	Upper	
107	100		
109	89.2	65.8	122.2
188	5.9	3.0	4.6#

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#52

Chlorobenzene

Concen: 1.383 ug/L

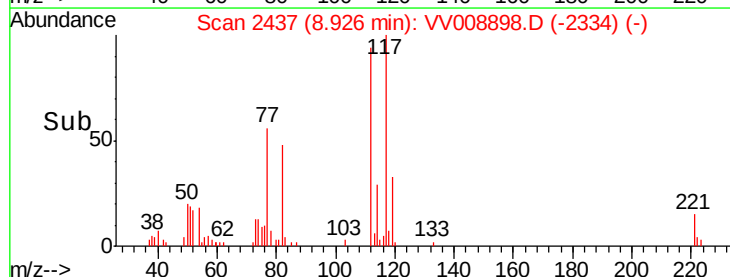
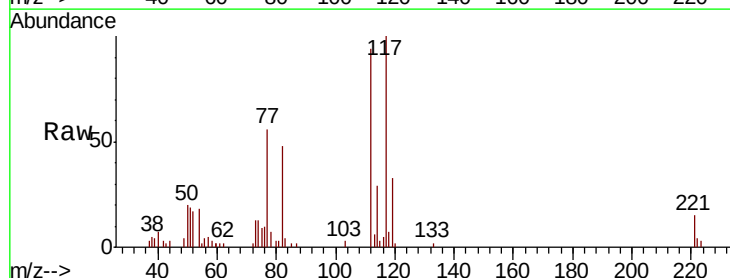
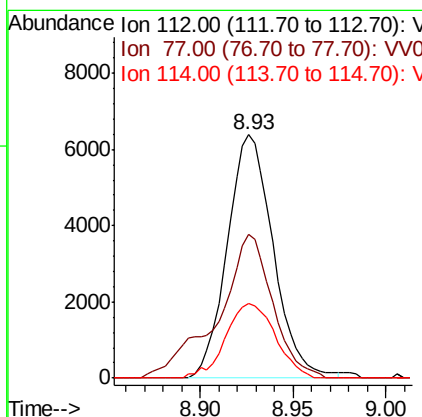
RT: 8.93 min Scan# 2437

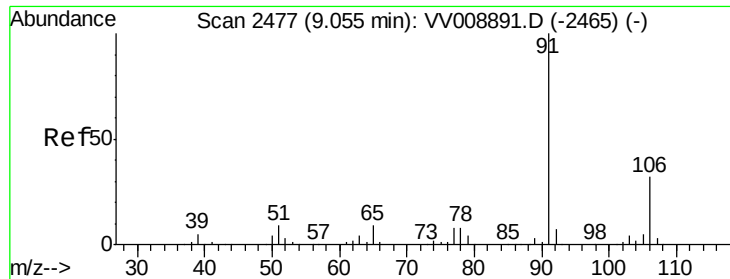
Delta R.T. -0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Tgt Ion:	112	Resp:	10974
Ion Ratio	Lower	Upper	
112	100		
77	59.0	44.6	66.8
114	30.5	22.6	42.0





#53

Ethylbenzene

Concen: 1.269 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tot Ion: 91 Resp: 16773

Ion Ratio Lower Upper

91 100

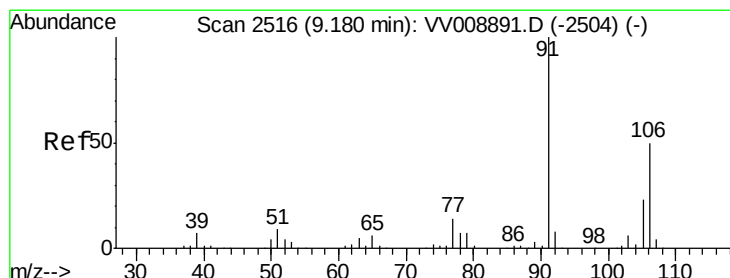
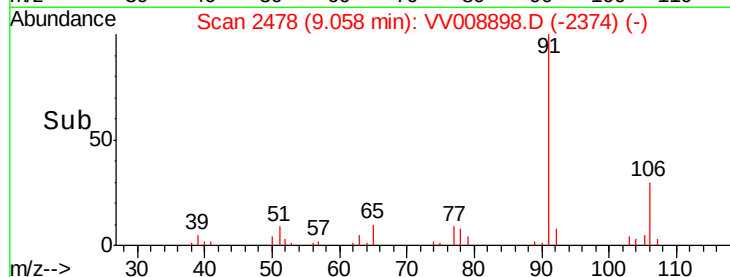
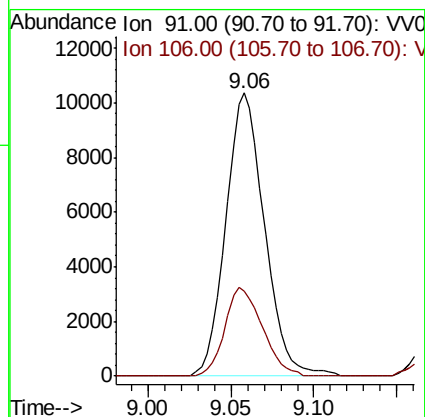
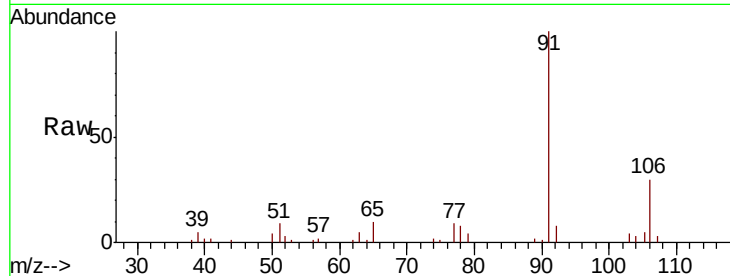
106 30.0 21.3 39.5

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#54

m,p-Xylene

Concen: 1.233 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008898.D

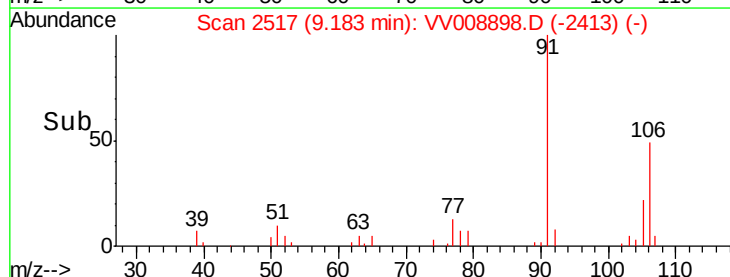
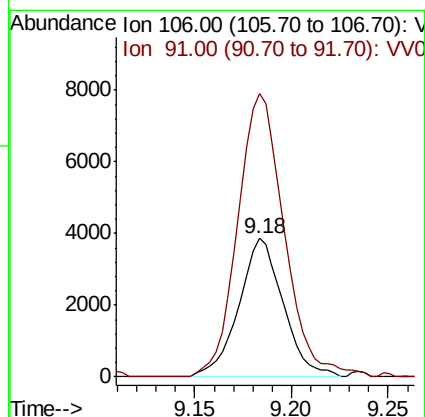
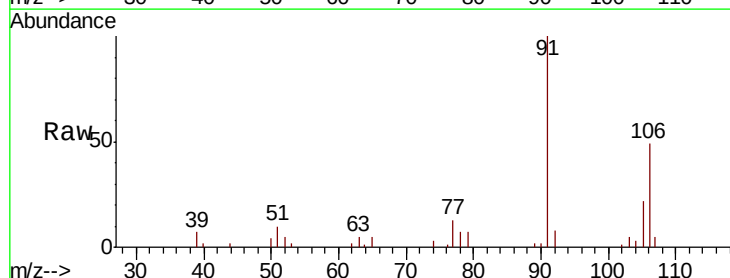
Acq: 11 Dec 2018 14:18

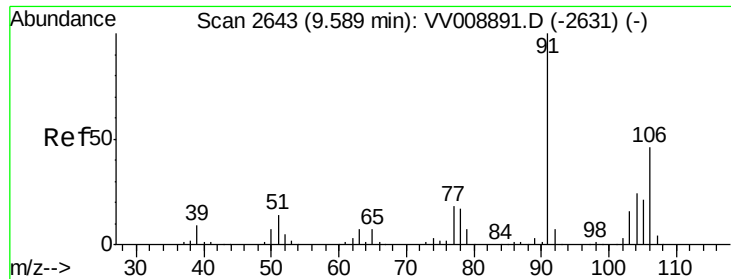
Tgt Ion: 106 Resp: 6169

Ion Ratio Lower Upper

106 100

91 204.9 141.3 262.3





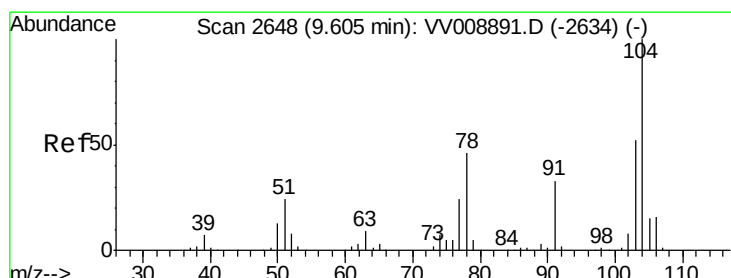
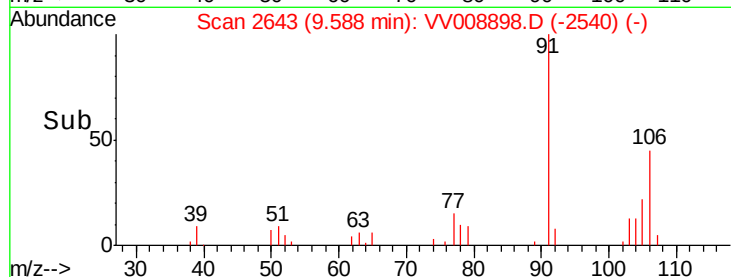
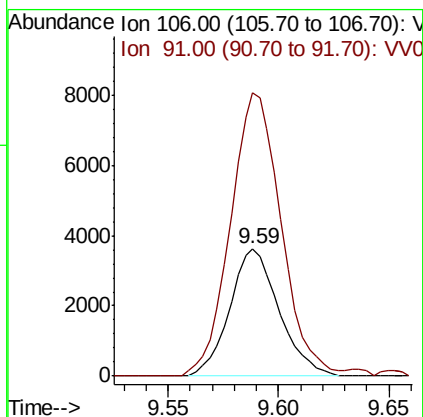
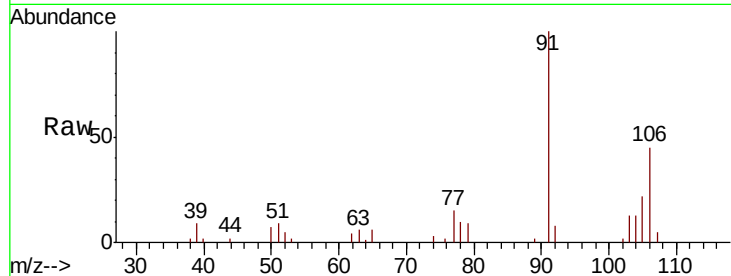
#55
o-xylene
Concen: 1.215 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion:106 Resp: 5652
Ion Ratio Lower Upper
106 100
91 221.5 148.3 275.5

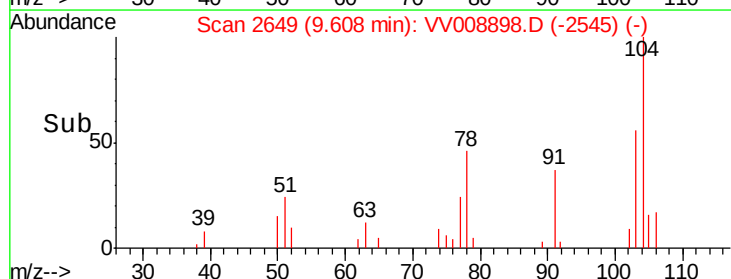
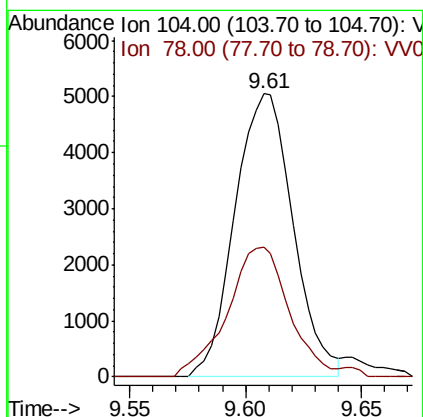
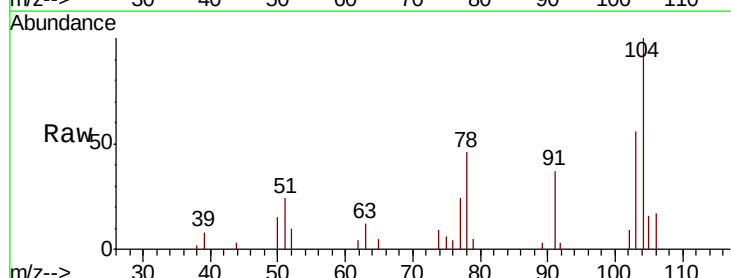
Manual Integrations
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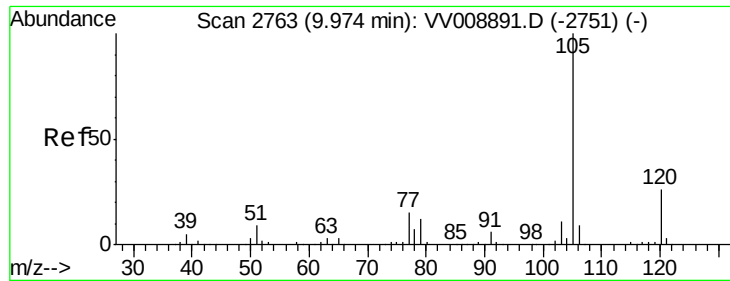
sam
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#56
Styrene
Concen: 1.172 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion:104 Resp: 8790
Ion Ratio Lower Upper
104 100
78 45.8 30.6 56.8





#57

Isopropylbenzene

Concen: 1.150 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Instrument :

MSVOA_V

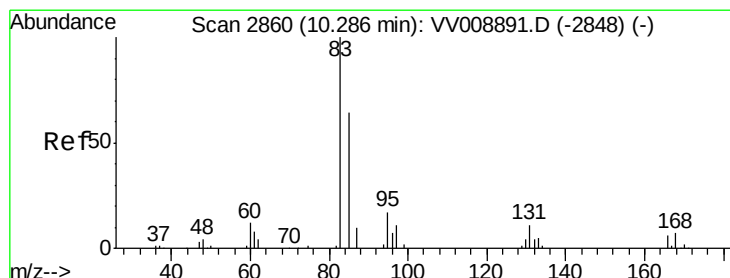
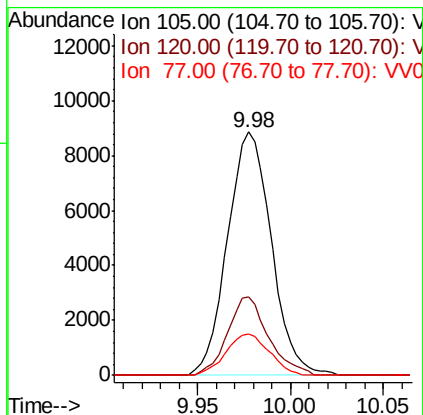
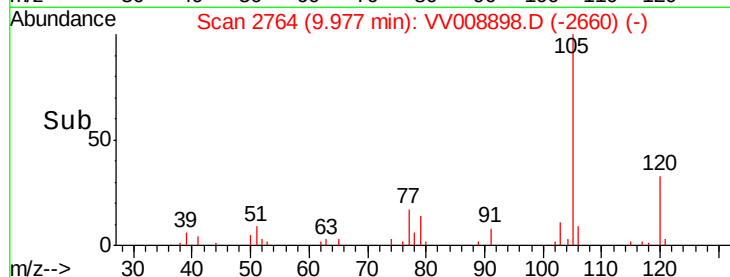
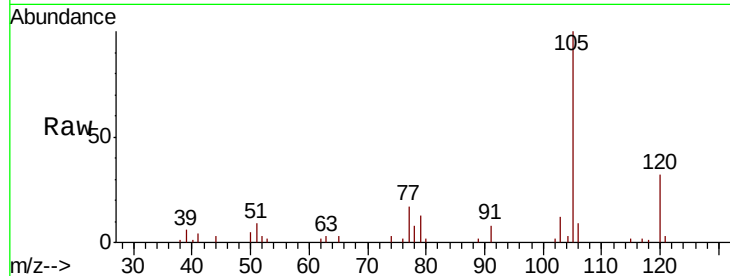
ClientSampleId :

MDL06

Tot Ion:	105	Resp:	14534
Ion Ratio	Lower	Upper	
105	100		
120	30.0	21.7	32.5
77	16.7	12.4	18.6

Manual Integrations
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#58

1,1,2,2-Tetrachloroethane

Concen: 1.512 ug/L

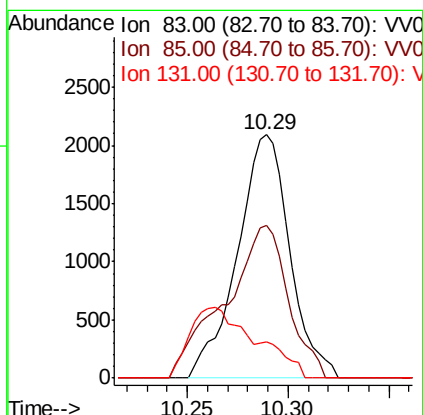
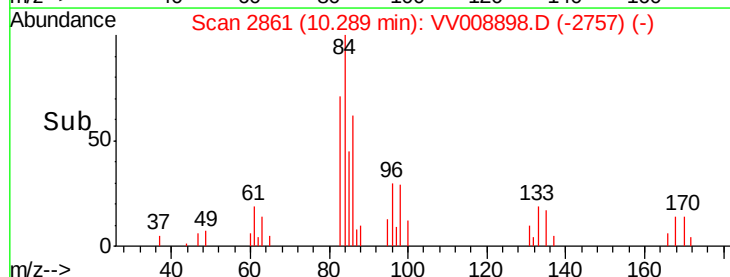
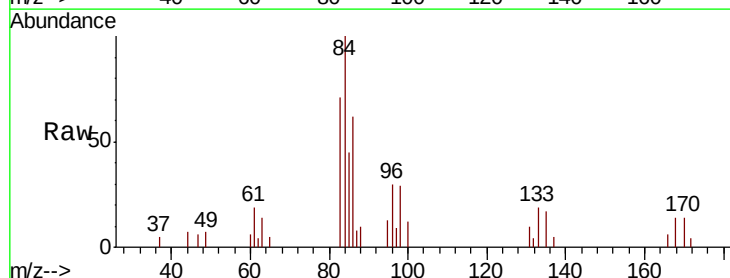
RT: 10.29 min Scan# 2861

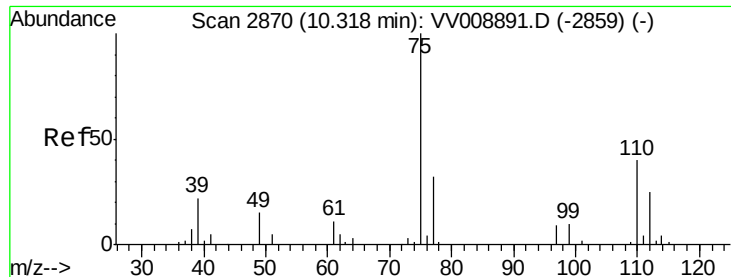
Delta R.T. 0.00 min

Lab File: VV008898.D

Acq: 11 Dec 2018 14:18

Tgt Ion:	83	Resp:	3799
Ion Ratio	Lower	Upper	
83	100		
85	62.7	44.3	82.3
131	14.6	7.8	11.8#





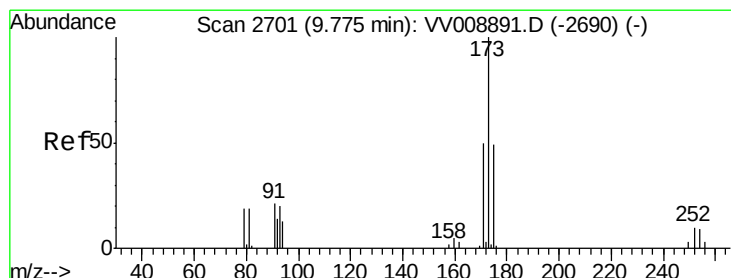
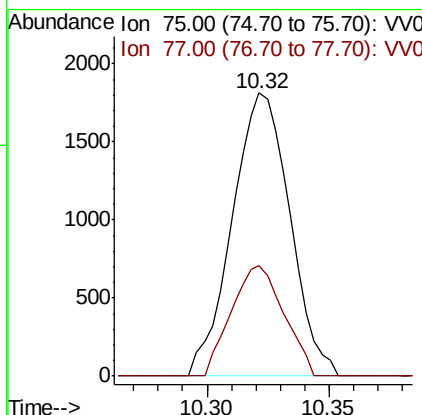
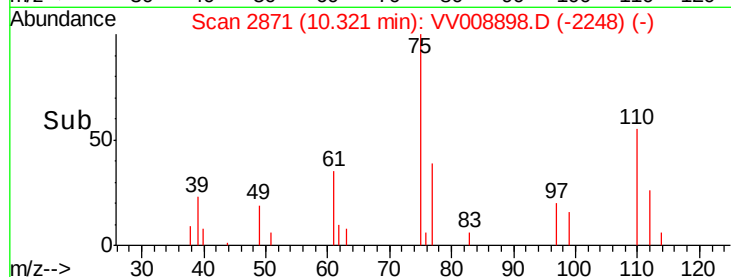
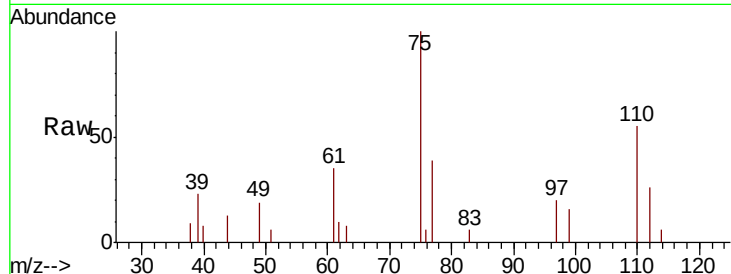
#59
1,2,3-Trichloropropane
Concen: 1.368 ug/L
RT: 10.32 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion: 75 Resp: 2974
Ion Ratio Lower Upper
75 100
77 35.5 25.6 38.4

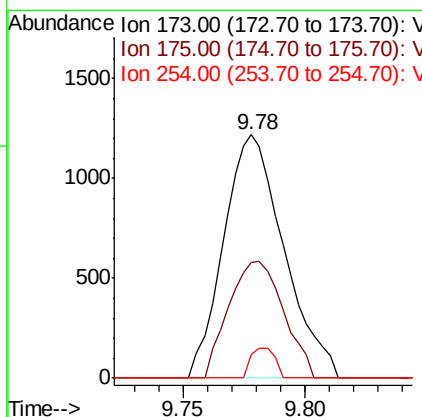
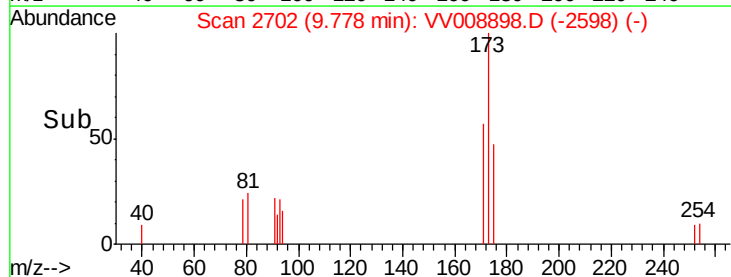
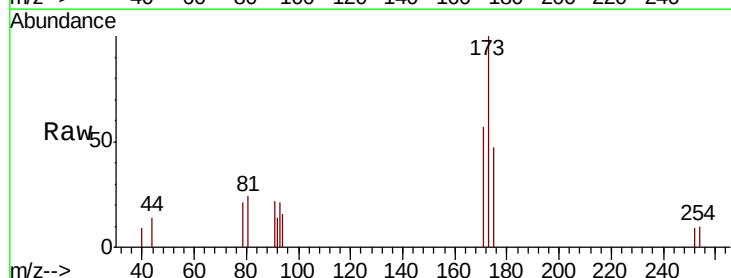
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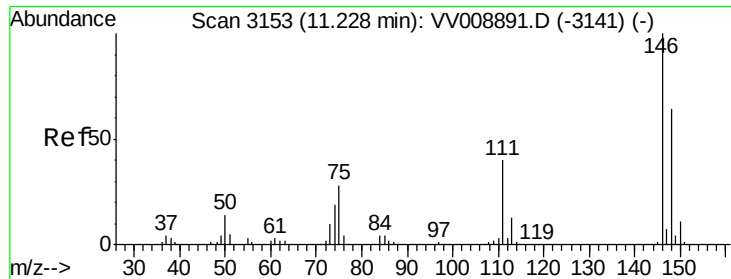
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#62
Bromoform
Concen: 1.395 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion: 173 Resp: 2090
Ion Ratio Lower Upper
173 100
175 43.6 37.7 56.5
254 4.8 7.1 10.7#





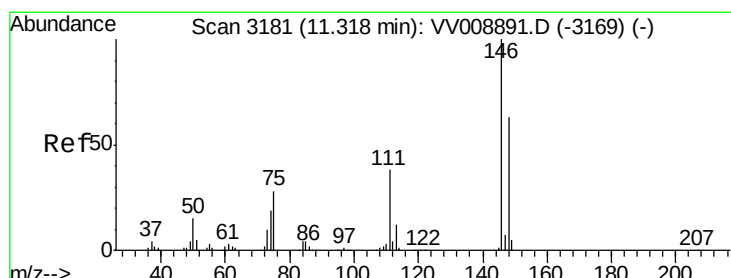
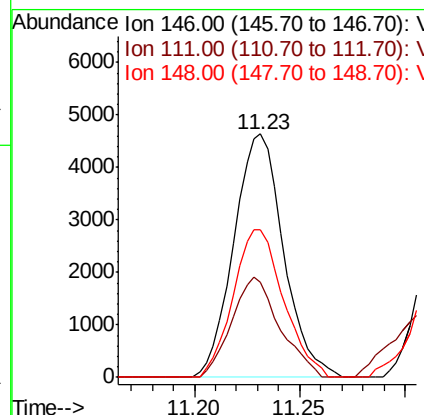
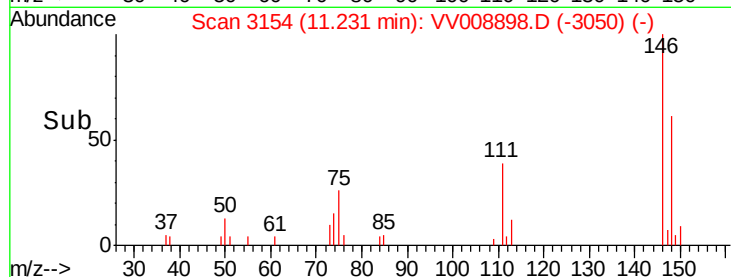
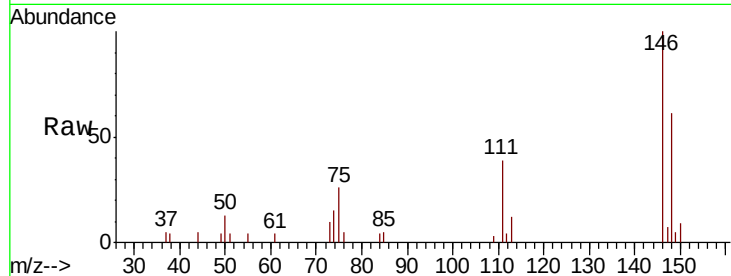
#63
 1,3-Dichlorobenzene
 Concen: 1.421 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	27.5	51.1
148	60.8	44.0	81.8

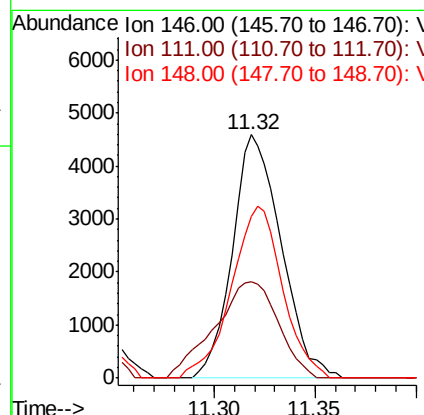
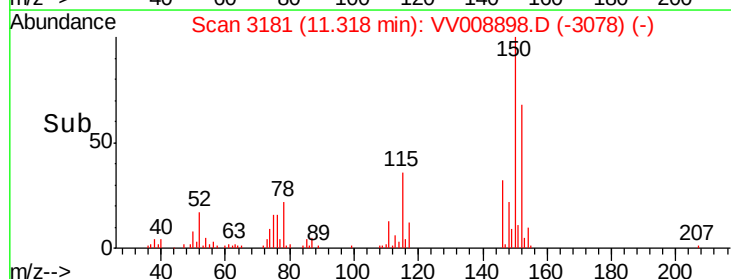
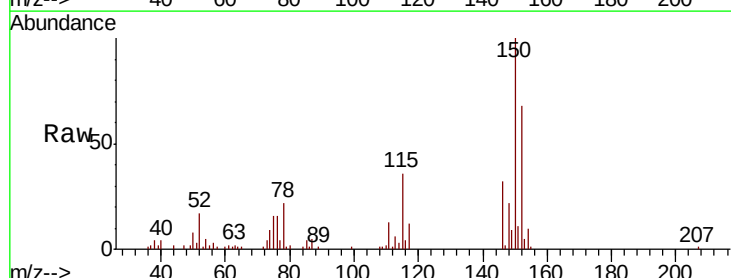
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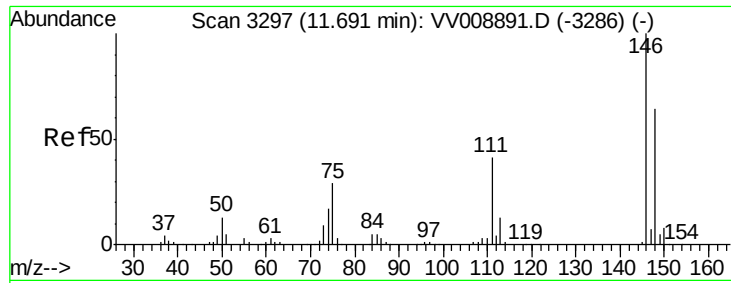
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#64
 1,4-Dichlorobenzene
 Concen: 1.411 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	26.8	49.8
148	66.6	45.8	85.0





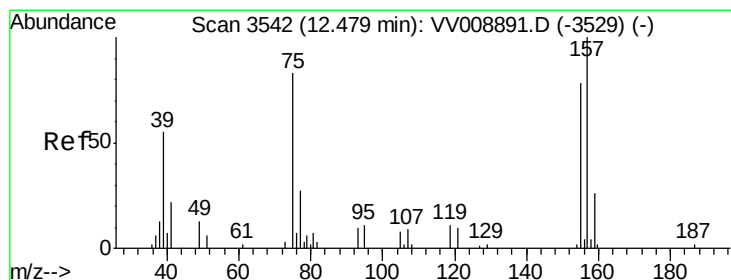
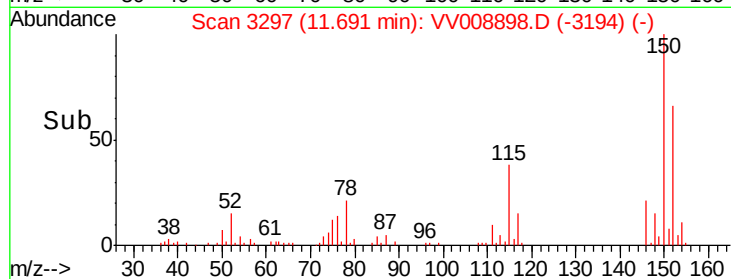
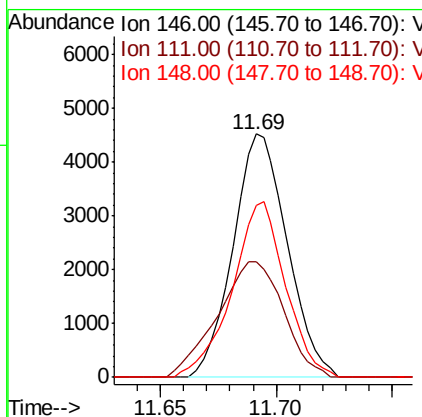
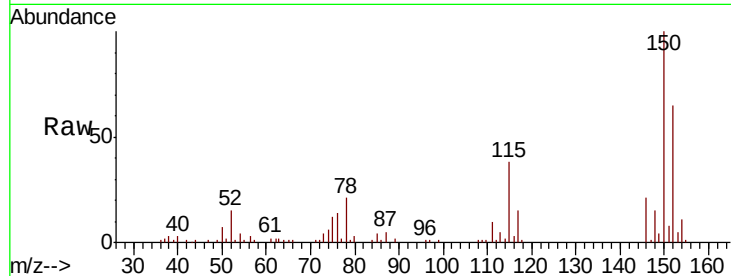
#65
 1,2-Dichlorobenzene
 Concen: 1.490 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.2	34.2	51.4
148	70.8	51.0	76.6

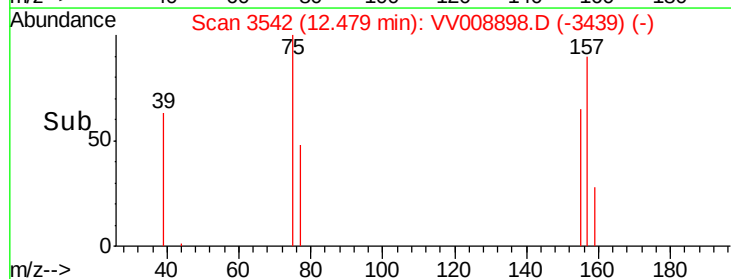
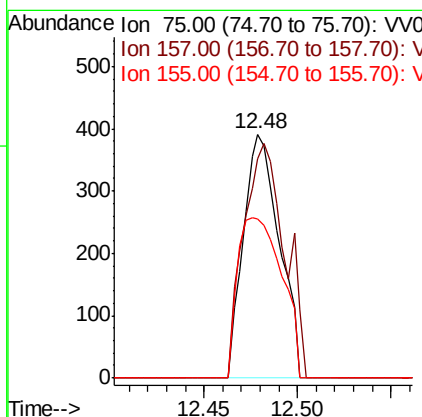
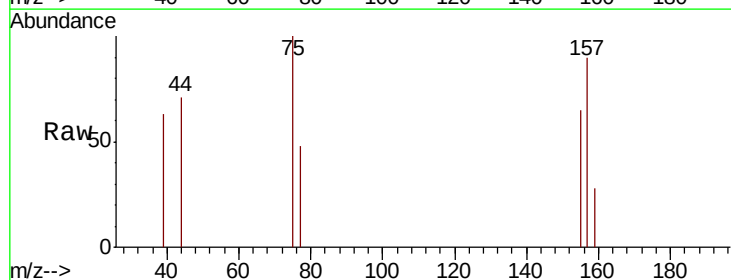
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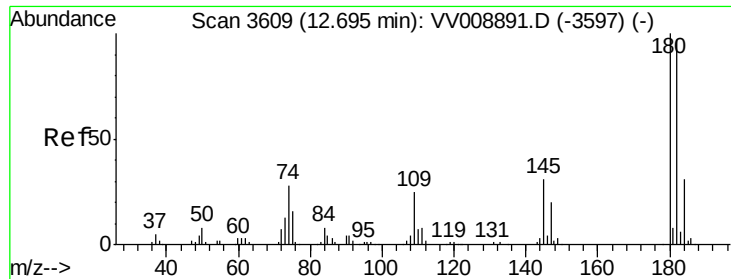
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.278 ug/L m
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
157	89.8	95.8	143.6#
155	65.5	71.4	107.2#





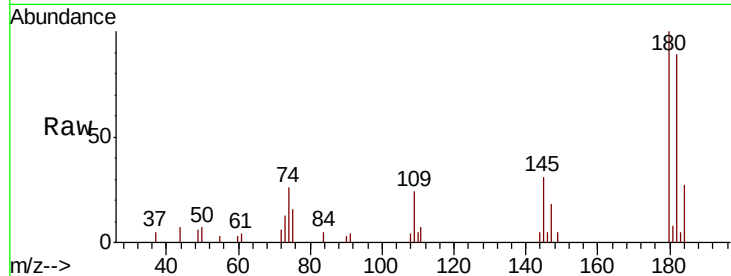
#67
 1,3,5-Trichlorobenzene
 Concen: 1.269 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

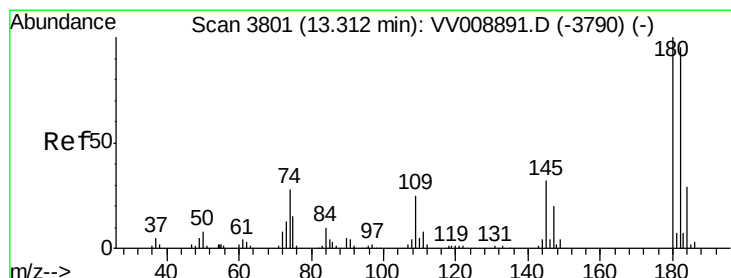
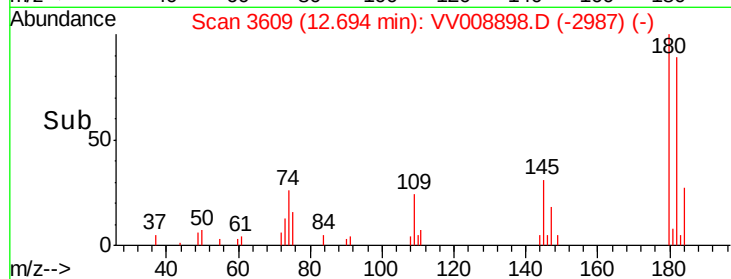
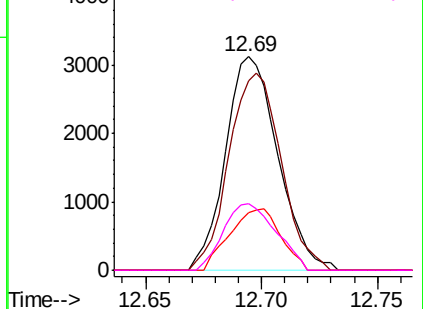
Tot Ion:	180	Resp:	4901
Ion Ratio	Lower	Upper	
180	100		
182	92.0	75.9	113.9
184	27.9	23.8	35.6
145	31.2	24.2	36.4

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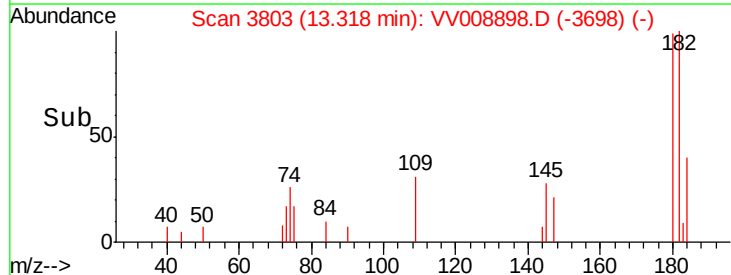
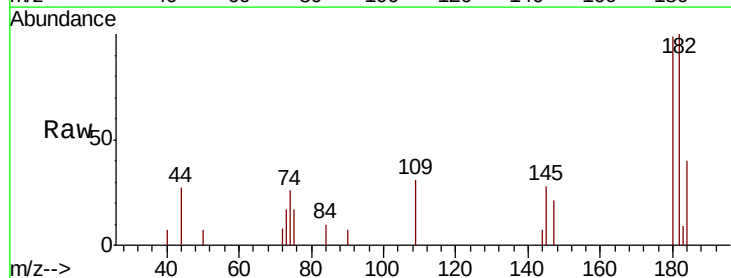
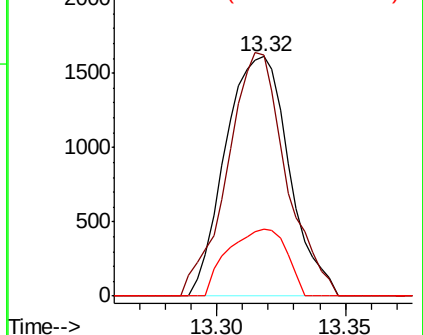
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

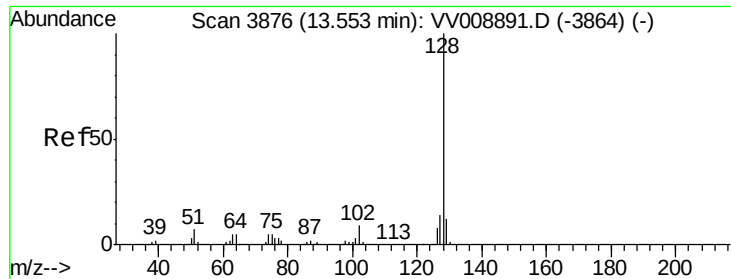


#68
 1,2,4-trichlorobenzene
 Concen: 1.024 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.01 min
 Lab File: VV008898.D
 Acq: 11 Dec 2018 14:18

Tgt Ion:	180	Resp:	2771
Ion Ratio	Lower	Upper	
180	100		
182	93.4	77.4	116.0
145	25.8	25.6	38.4

Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





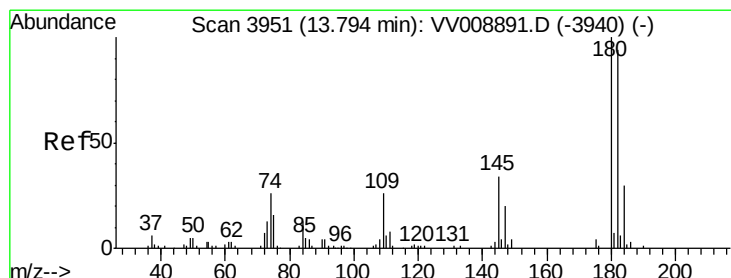
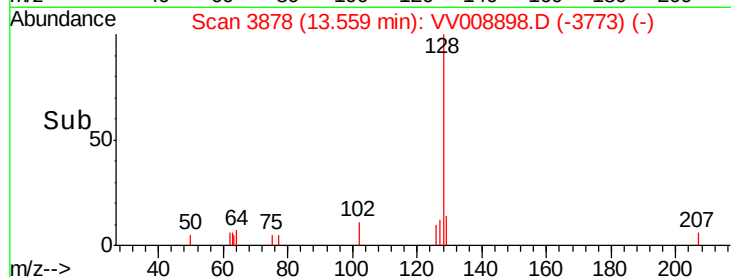
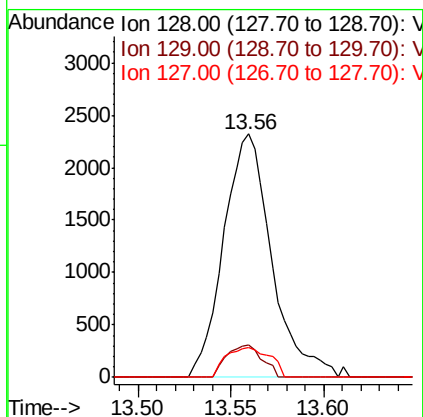
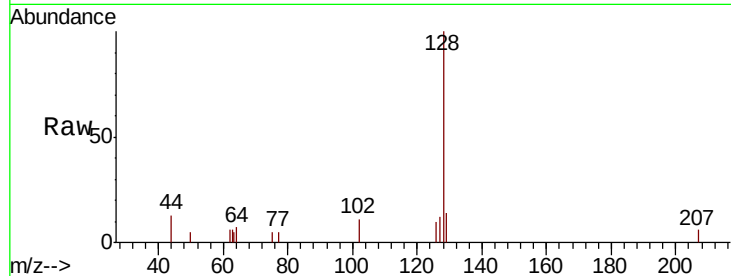
#69
Naphthalene
Concen: 0.895 ug/L
RT: 13.56 min Scan# 3878
Delta R.T. 0.01 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.7	8.6	13.0
127	11.2	10.0	15.0

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#70
1,2,3-Trichlorobenzene
Concen: 1.010 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV008898.D
Acq: 11 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.1	114.1
145	34.2	26.7	40.1

