

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121118\
 Data File : VV008894.D
 Acq On : 11 Dec 2018 12:40
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00g/10.0 mL/MSVOA V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

sam
 12/12/2018 11:26:25 AM

Quant Time: Dec 12 11:14:43 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	196638	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	168064	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73001	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51093	25.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.44%
7) Chloroethane-d5	1.58	69	48535	32.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	129.16%
10) 1,1-Dichloroethene-d2	2.13	63	98864	19.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.72%
20) 2-Butanone-d5	3.94	46	37518	50.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.28%
24) Chloroform-d	4.40	84	116972	24.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.96%
26) 1,2-Dichloroethane-d4	5.08	65	67300	26.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.36%
29) Benzene-d6	5.10	84	239312	25.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.96%
33) 1,2-Dichloropropane-d6	6.12	67	70062	26.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.64%
37) Toluene-d8	7.36	98	214937	24.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.96%
38) trans-1,3-Dichloropropene-	7.67	79	30000	25.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.92%
39) 2-Hexanone-d5	8.14	63	24170	50.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.42%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	52874	23.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.96%
61) 1,2-Dichlorobenzene-d4	11.68	152	67369	24.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3877	1.203 ug/L	96
3) Chloromethane	1.25	50	2677	1.209 ug/L	97
5) Vinyl chloride	1.32	62	2784	1.126 ug/L #	58
6) Bromomethane	1.53	94	1603	1.348 ug/L	99
8) Chloroethane	1.60	64	2111	1.524 ug/L	95
9) Trichlorofluoromethane	1.77	101	5773	1.363 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4190	1.442 ug/L	88
12) 1,1-Dichloroethene	2.14	96	3522	1.389 ug/L #	1
13) Acetone	2.20	43	3047	2.792 ug/L	87
14) Carbon disulfide	2.32	76	8599	1.056 ug/L	99
15) Methyl Acetate	2.46	43	1463	1.057 ug/L #	78
16) Methylene chloride	2.53	84	8590	2.594 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	6368	1.106 ug/L #	70
18) trans-1,2-Dichloroethene	2.79	96	2802	1.023 ug/L	96
19) 1,1-Dichloroethane	3.23	63	4728	1.065 ug/L	92
21) 2-Butanone	4.02	43	1459m	1.426 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	3030m	1.061 ug/L	

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Manual Integrations
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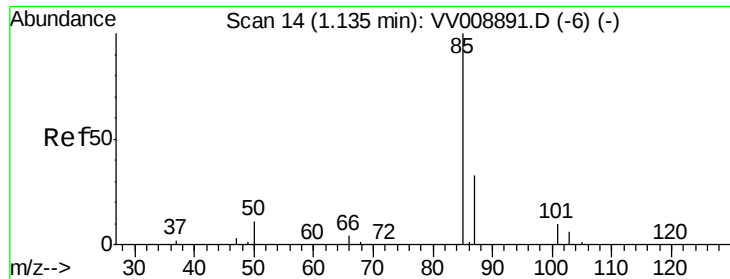
sam
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.30	128	1468	1.091	ug/L	86
25) Chloroform	4.43	83	7141	1.499	ug/L	99
27) 1,2-Dichloroethane	5.18	62	3757	1.157	ug/L	100
30) Cyclohexane	4.72	56	4486m	1.060	ug/L	
31) 1,1,1-Trichloroethane	4.66	97	4466	1.031	ug/L #	76
32) Carbon tetrachloride	4.88	117	4353	1.100	ug/L	93
34) Benzene	5.15	78	11320	1.124	ug/L	100
35) Trichloroethene	5.96	95	3983	1.312	ug/L	94
36) Methylcyclohexane	6.18	83	5478	1.131	ug/L	98
40) 1,2-Dichloropropane	6.22	63	2644	1.094	ug/L #	85
41) Bromodichloromethane	6.56	83	3314	1.040	ug/L #	94
42) cis-1,3-Dichloropropene	7.07	75	3871	1.094	ug/L	96
43) 4-Methyl-2-pentanone	7.28	43	4140	2.535	ug/L	98
44) Toluene	7.43	91	12292	1.164	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	3681	1.193	ug/L	90
46) 1,1,2-Trichloroethane	7.89	97	2347	1.166	ug/L	87
47) Tetrachloroethene	8.02	164	2556	1.035	ug/L	94
49) 2-Hexanone	8.19	43	4057	3.002	ug/L	93
50) Dibromochloromethane	8.30	129	2510	1.087	ug/L	99
51) 1,2-Dibromoethane	8.40	107	2212	1.094	ug/L #	99
52) Chlorobenzene	8.93	112	7838	1.140	ug/L	95
53) Ethylbenzene	9.06	91	11018	0.962	ug/L	97
54) m,p-Xylene	9.18	106	4389	1.012	ug/L	98
55) o-xylene	9.59	106	4263	1.058	ug/L	91
56) Styrene	9.61	104	6114	0.940	ug/L	96
57) Isopropylbenzene	9.98	105	10949	1.000	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	2564	1.178	ug/L	84
59) 1,2,3-Trichloropropane	10.32	75	2153	1.143	ug/L	99
62) Bromoform	9.78	173	1335	1.013	ug/L #	80
63) 1,3-Dichlorobenzene	11.23	146	5126	1.090	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	5893	1.217	ug/L	89
65) 1,2-Dichlorobenzene	11.69	146	5304	1.223	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	249m	0.701	ug/L	
67) 1,3,5-Trichlorobenzene	12.70	180	3469	1.021	ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	2007	0.843	ug/L	96
69) Naphthalene	13.56	128	2731	0.666	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.79	180	1763	0.802	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 1.203 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 85 Resp: 3877

Ion Ratio Lower Upper

85 100

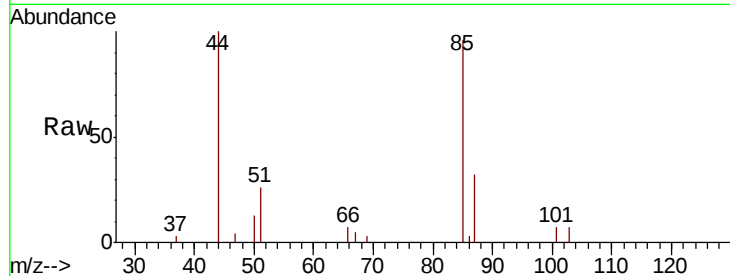
87 34.3 22.4 41.6

Manual Integrations

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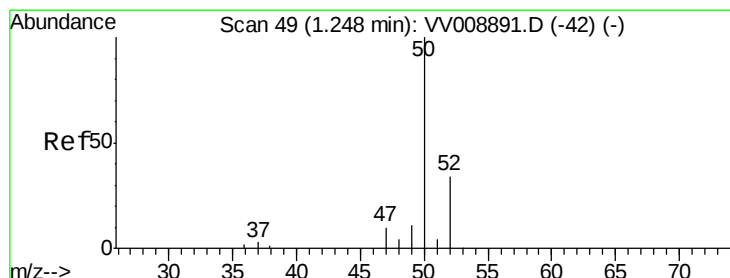
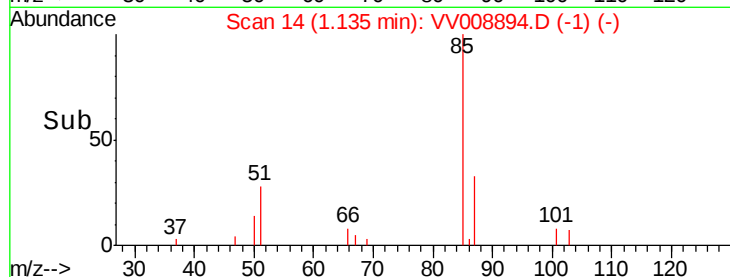
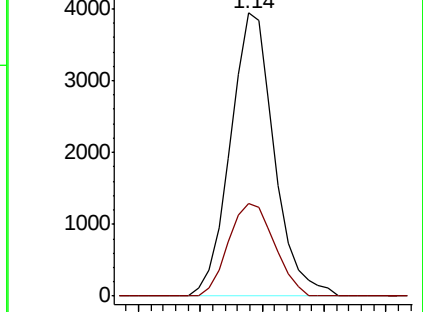
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Abundance Ion 85.00 (84.70 to 85.70): VV008891.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV008891.D (-6) (-)



#3

Chloromethane

Concen: 1.209 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008894.D

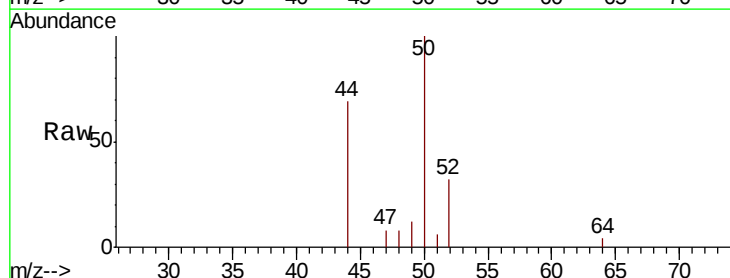
Acq: 11 Dec 2018 12:40

Tgt Ion: 50 Resp: 2677

Ion Ratio Lower Upper

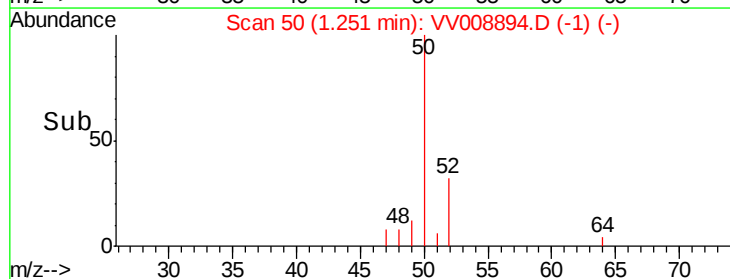
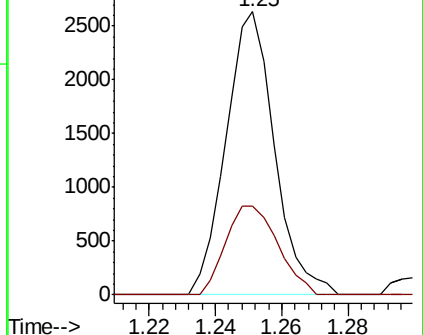
50 100

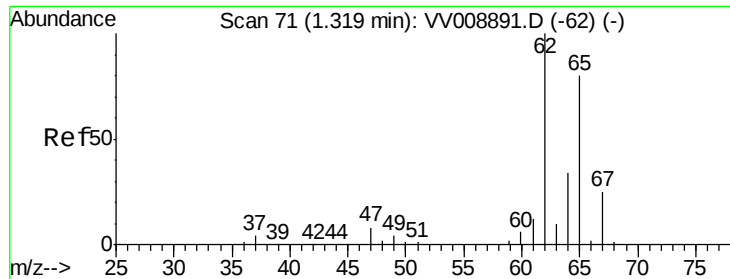
52 31.6 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV008891.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV008891.D (-42) (-)





#5

Vinyl chloride

Concen: 1.126 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 62 Resp: 2784

Ion Ratio Lower Upper

62 100

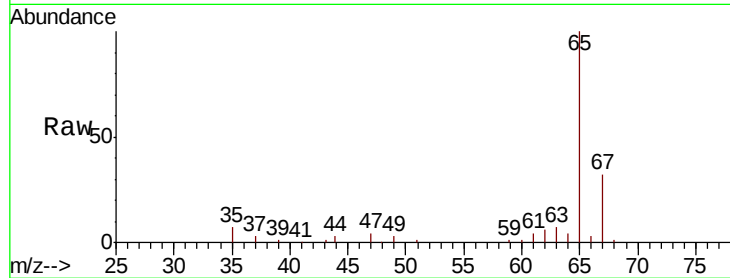
64 57.1 23.3 43.3#

Manual Integrations

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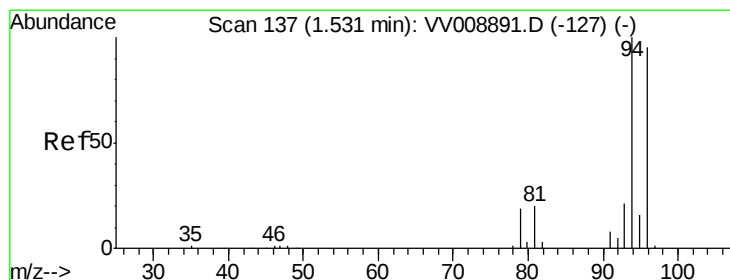
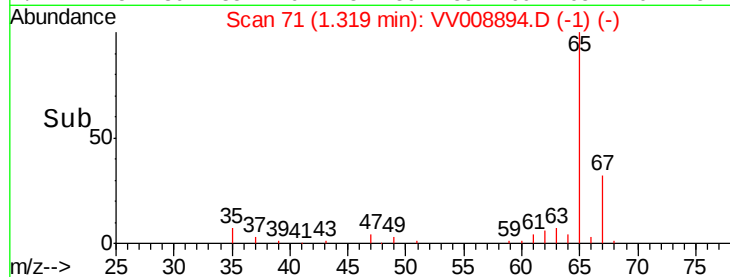
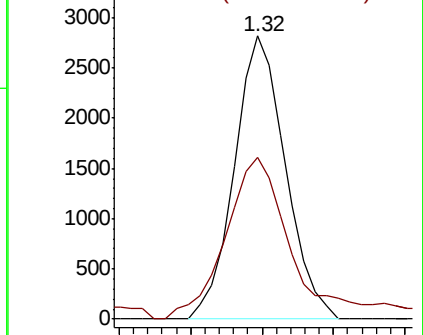
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 1.348 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV008894.D

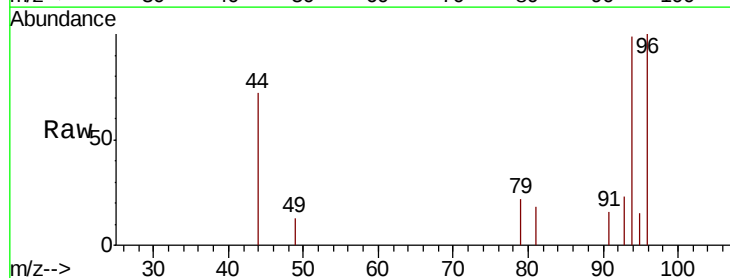
Acq: 11 Dec 2018 12:40

Tgt Ion: 94 Resp: 1603

Ion Ratio Lower Upper

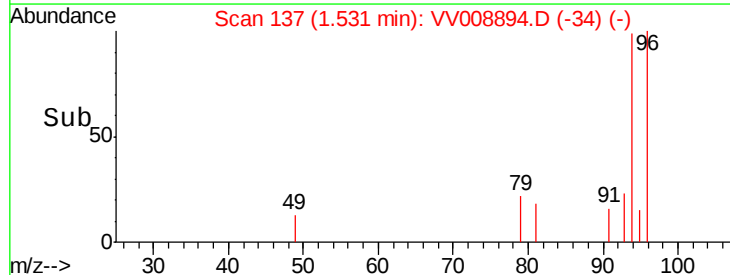
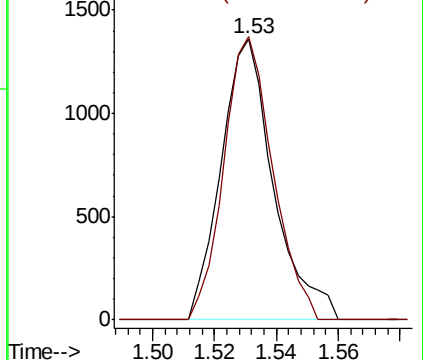
94 100

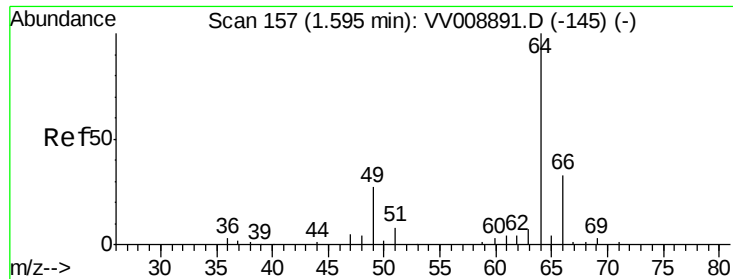
96 94.1 9.5 180.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





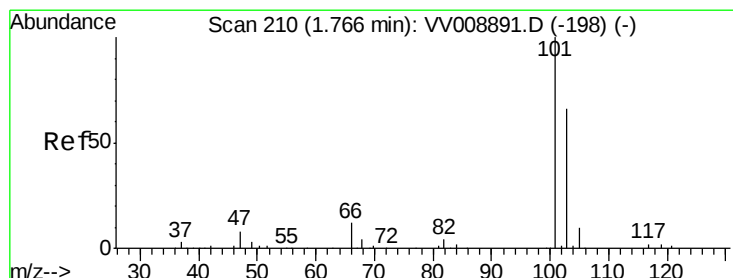
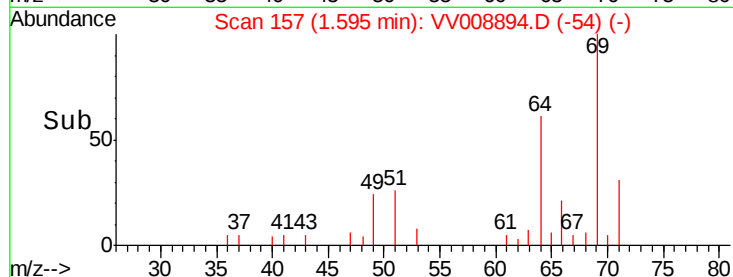
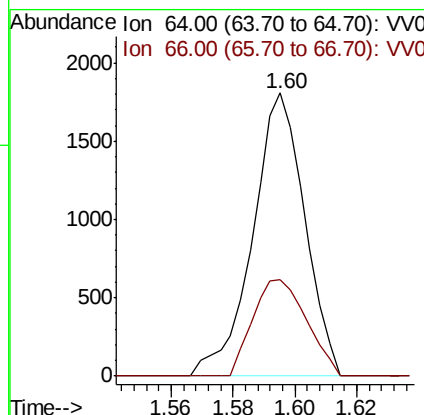
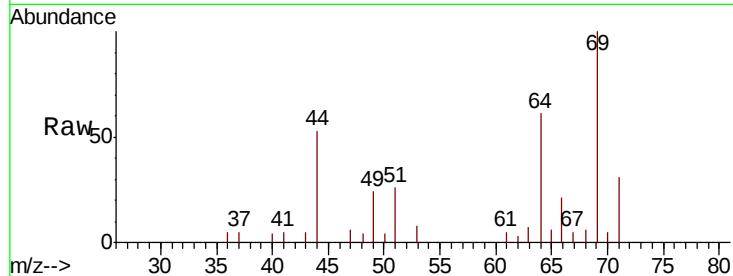
#8
Chloroethane
Concen: 1.524 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
64	100		
66	34.3	22.2	41.2

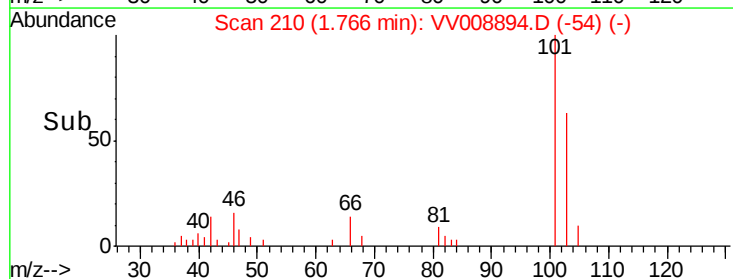
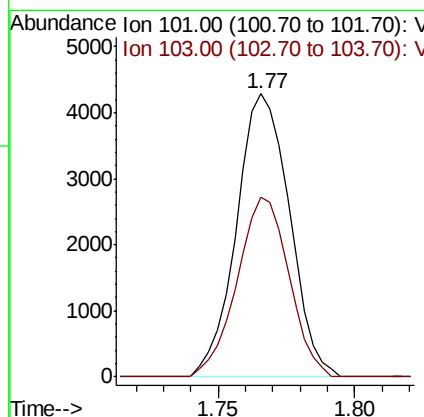
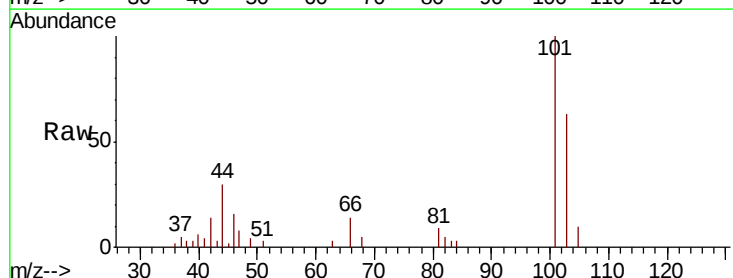
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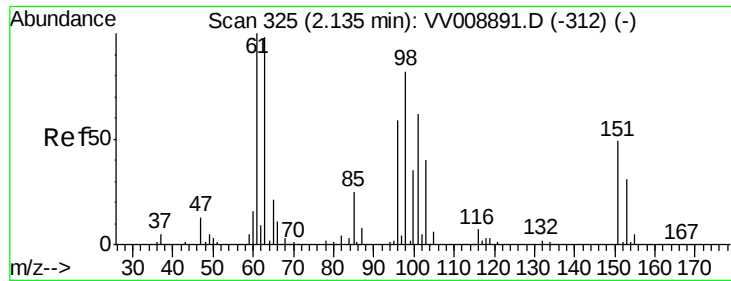
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#9
Trichlorofluoromethane
Concen: 1.363 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.1	44.8	83.2





#11

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

Concen: 1.442 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Instrument :

MSVOA_V

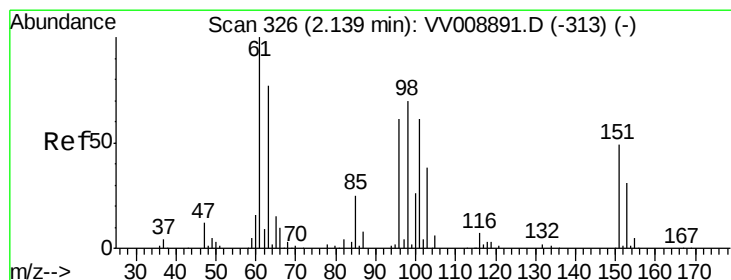
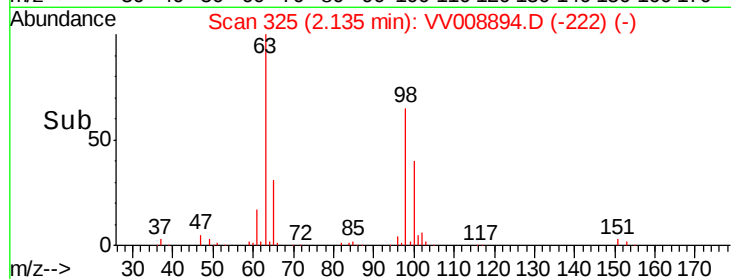
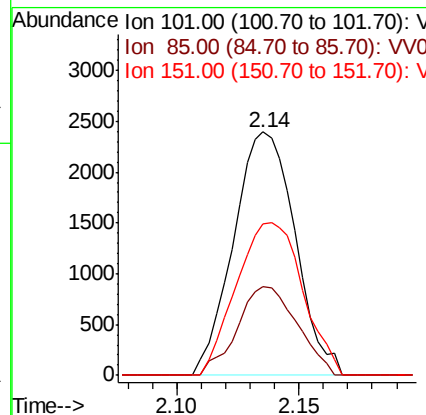
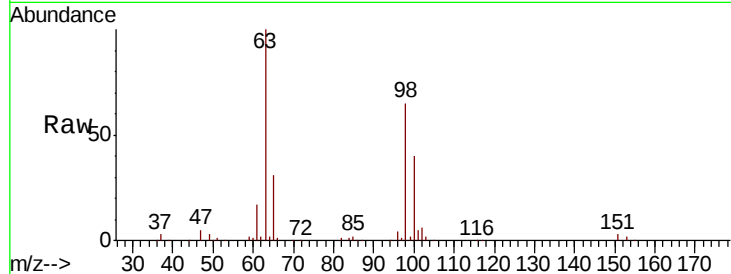
ClientSampleId :

MDL02

Tot Ion:	101	Resp:	4190
Ion Ratio	Lower	Upper	
101	100		
85	35.4	32.5	48.7
151	67.6	64.2	96.4

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#12

1,1-Dichloroethene

Concen: 1.389 ug/L

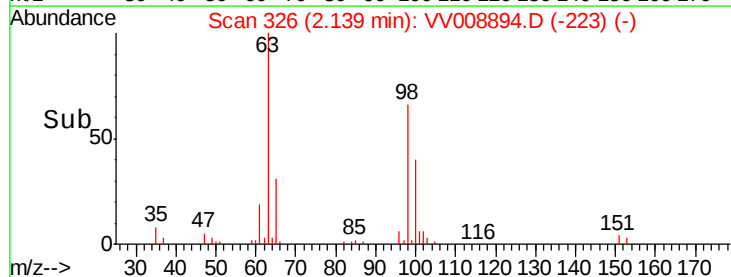
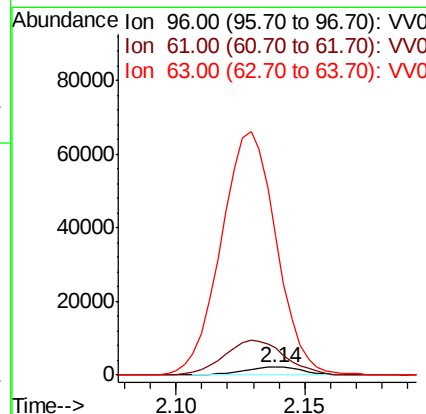
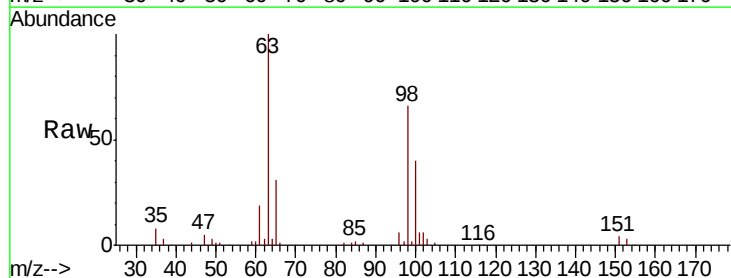
RT: 2.14 min Scan# 326

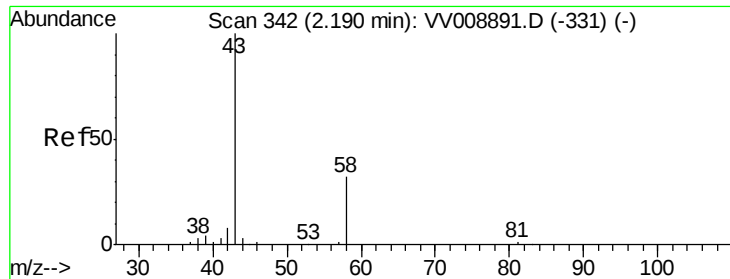
Delta R.T. 0.00 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Tgt Ion:	96	Resp:	3522
Ion Ratio	Lower	Upper	
96	100		
61	341.3	114.0	211.6#
63	1761.0	82.4	153.0#





#13

Acetone

Concen: 2.792 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 43 Resp: 3047

Ion Ratio Lower Upper

43 100

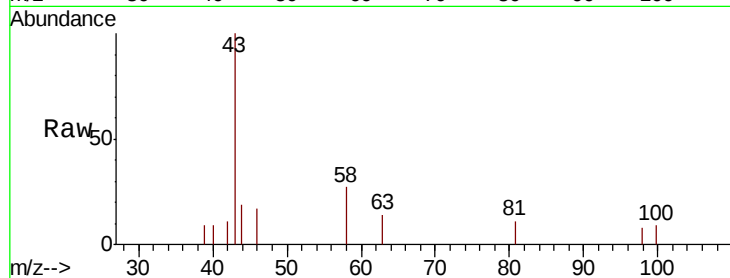
58 25.2 0.0 65.4

Manual Integrations

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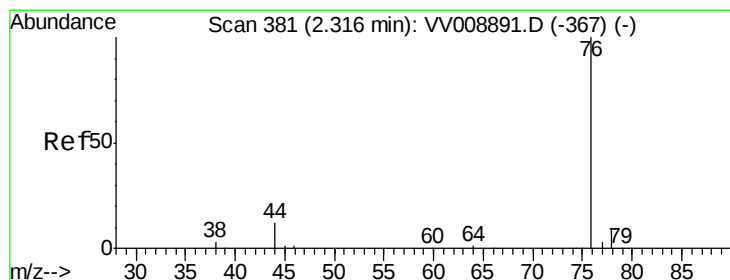
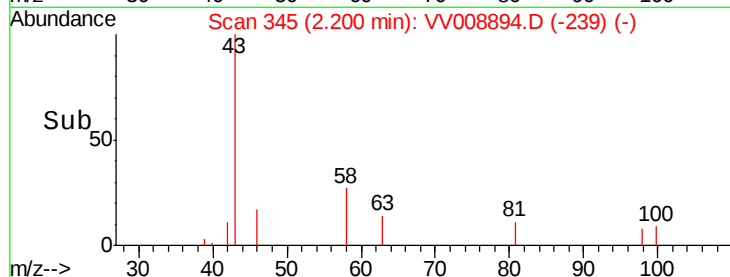
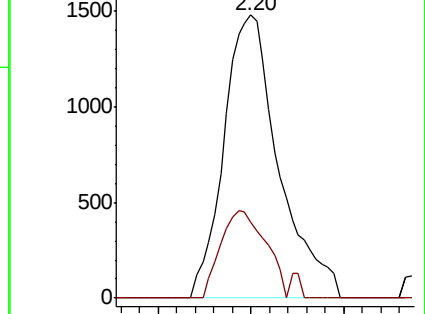
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Abundance Ion 43.00 (42.70 to 43.70): VV008891.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008891.D (-331) (-)



#14

Carbon disulfide

Concen: 1.056 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008894.D

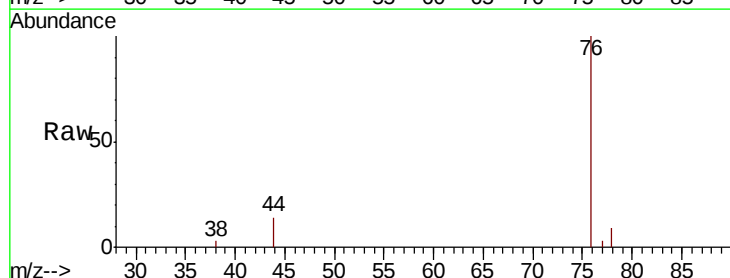
Acq: 11 Dec 2018 12:40

Tgt Ion: 76 Resp: 8599

Ion Ratio Lower Upper

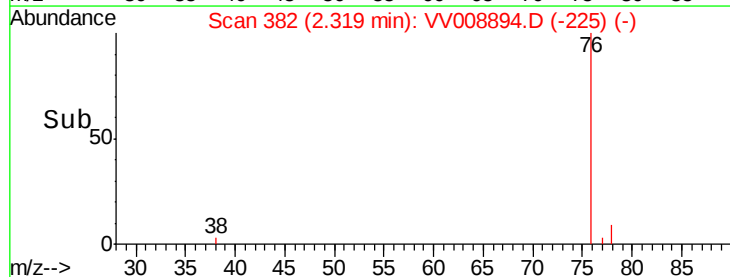
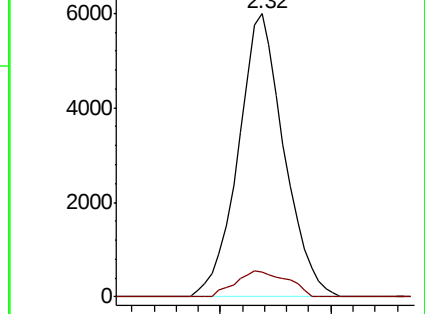
76 100

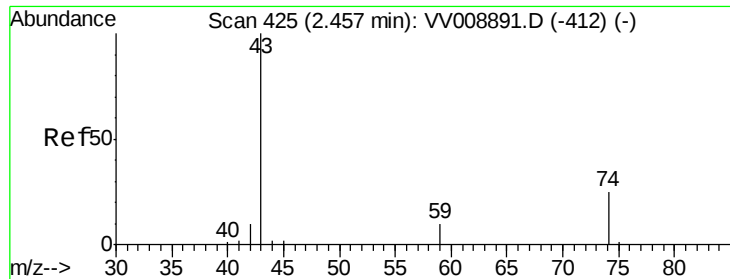
78 8.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV008891.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV008891.D (-367) (-)





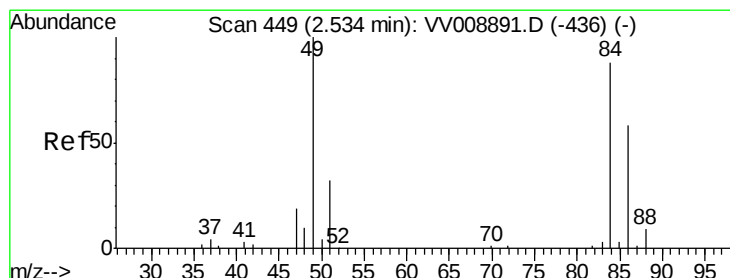
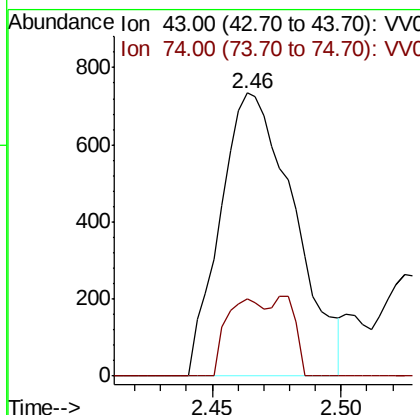
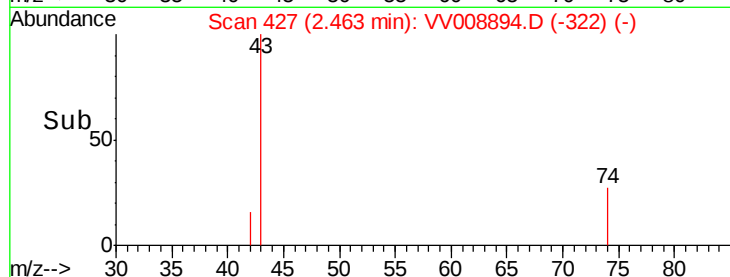
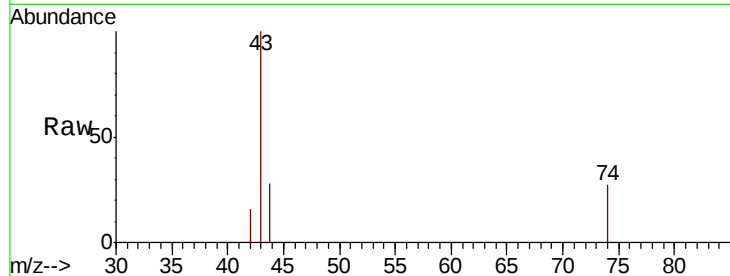
#15
Methvl Acetate
Concen: 1.057 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 43 Resp: 1463
Ion Ratio Lower Upper
43 100
74 13.8 19.7 29.5#

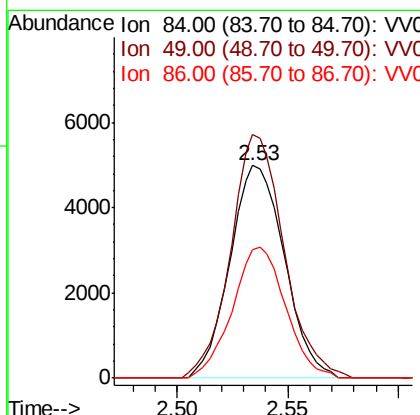
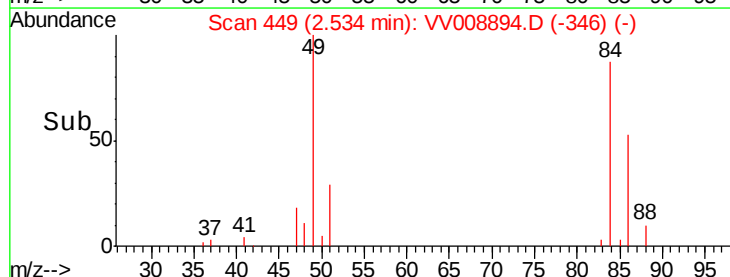
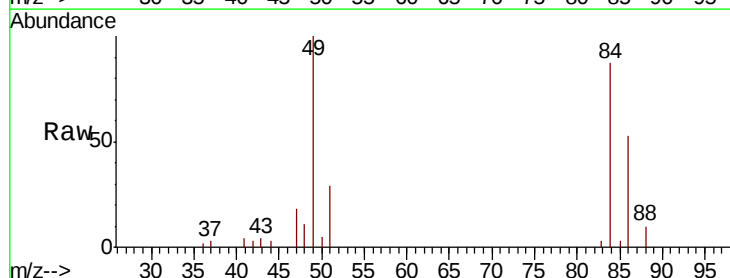
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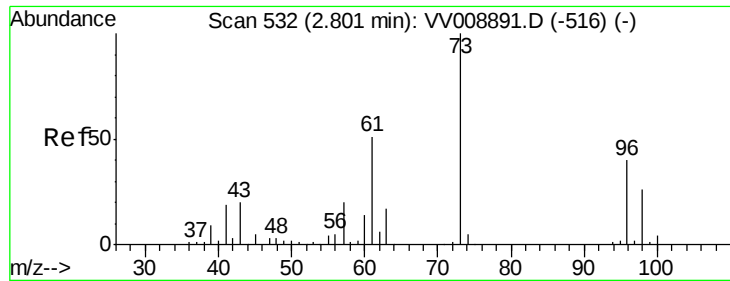
sam
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#16
Methylene chloride
Concen: 2.594 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Tgt Ion: 84 Resp: 8590
Ion Ratio Lower Upper
84 100
49 114.5 80.5 149.5
86 60.3 45.5 84.5





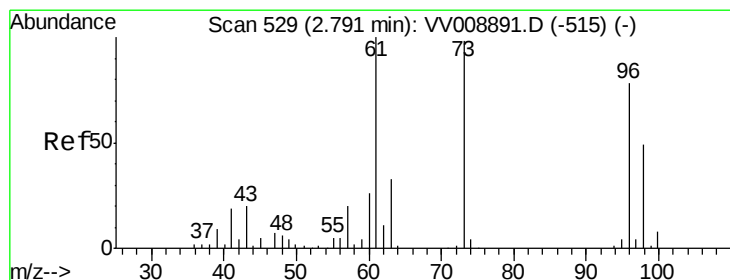
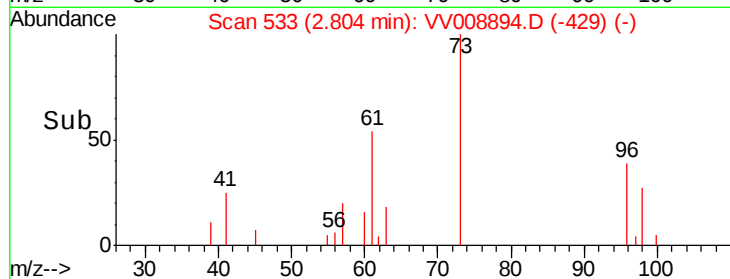
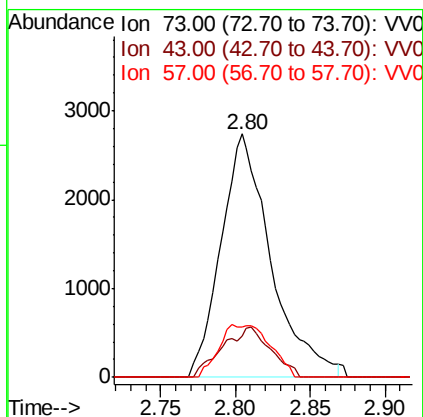
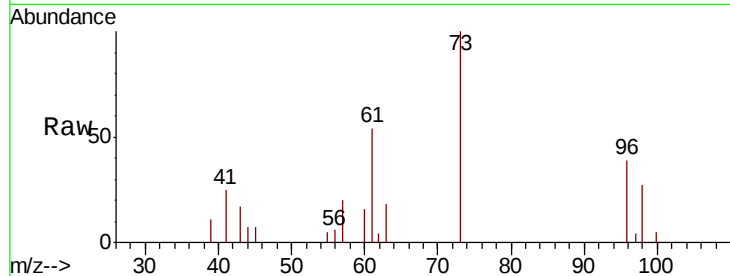
#17
Methvl tert-butvl Ether
Concen: 1.106 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
73	100		
43	12.1	14.9	22.3#
57	0.0	16.0	24.0#

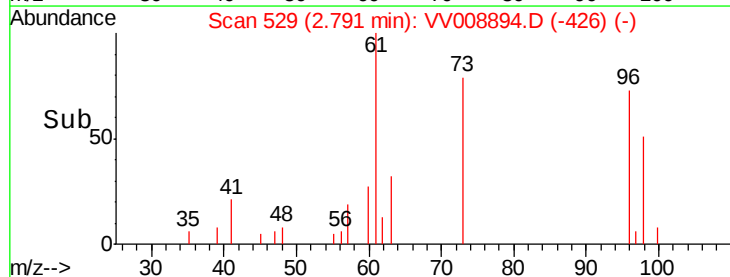
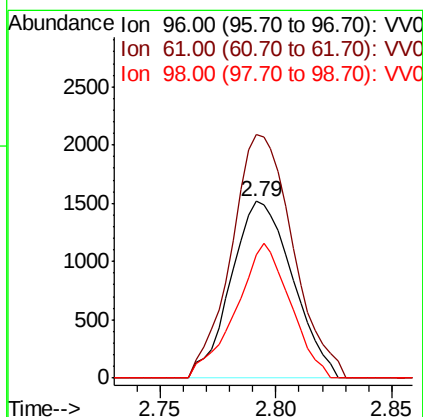
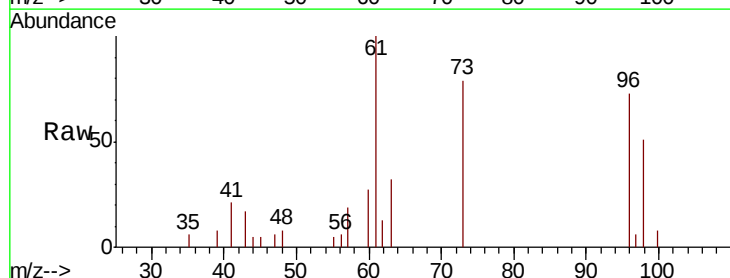
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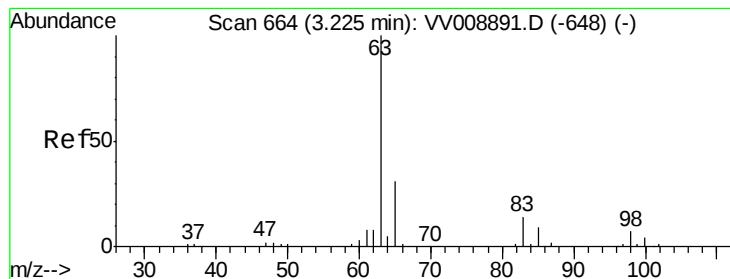
sam
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#18
trans-1,2-Dichloroethene
Concen: 1.023 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.8	94.6	175.8
98	69.9	45.3	84.1





#19

1,1-Dichloroethane

Concen: 1.065 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Instrument :

MSVOA_V

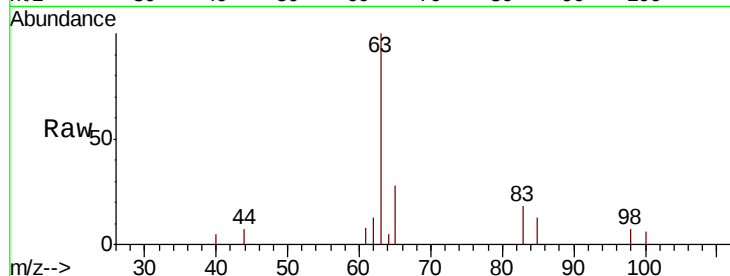
ClientSampleId :

MDL02

Tot Ion:	63	Resp:	4728
Ion	Ratio	Lower	Upper
63	100		
65	28.3	22.7	42.1
83	18.1	10.2	19.0

Manual Integrations
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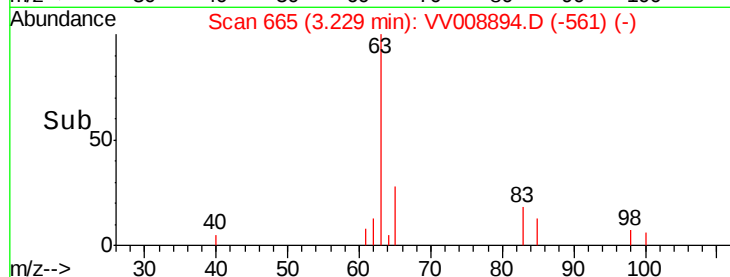


Abundance Ion 63.00 (62.70 to 63.70): VV008891.D (-648) (-)

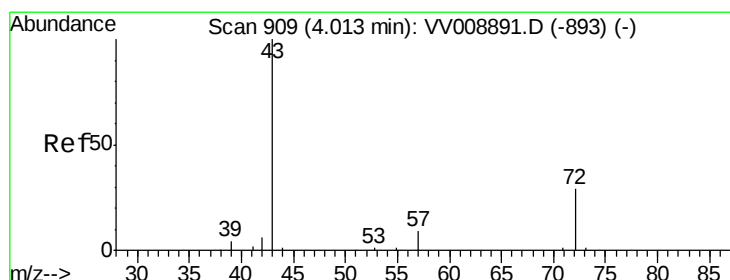
Ion 65.00 (64.70 to 65.70): VV008894.D (-561) (-)

Ion 83.00 (82.70 to 83.70): VV008894.D (-561) (-)

Time-->



Time-->



#21

2-Butanone

Concen: 1.426 ug/L m

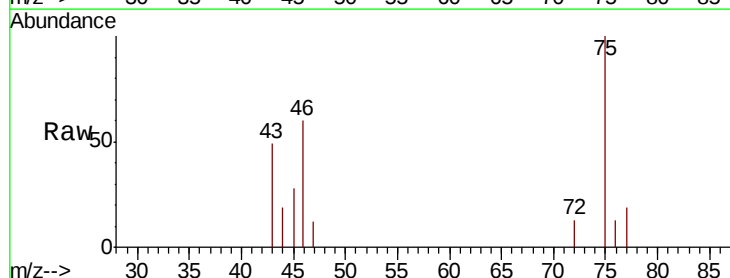
RT: 4.02 min Scan# 911

Delta R.T. 0.01 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

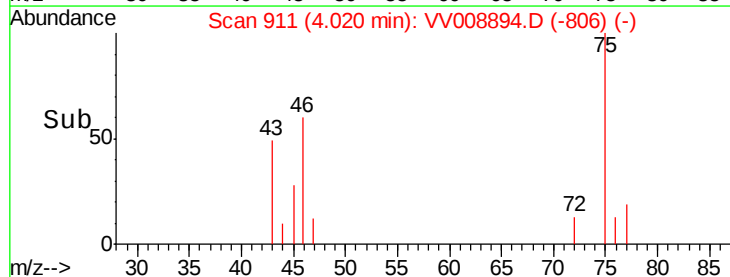
Tgt Ion:	43	Resp:	1459
Ion	Ratio	Lower	Upper
43	100		
72	19.7	13.7	41.1



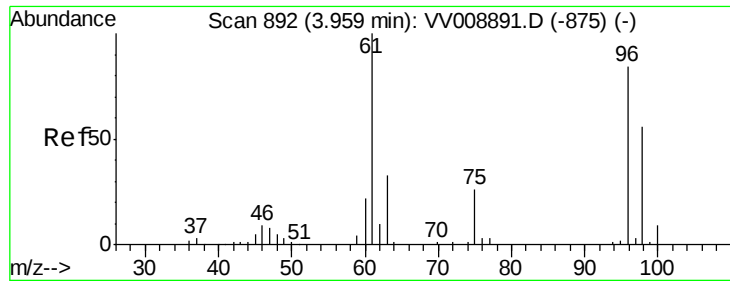
Abundance Ion 43.00 (42.70 to 43.70): VV008891.D (-893) (-)

Ion 72.00 (71.70 to 72.70): VV008894.D (-806) (-)

Time-->



Time-->



#22

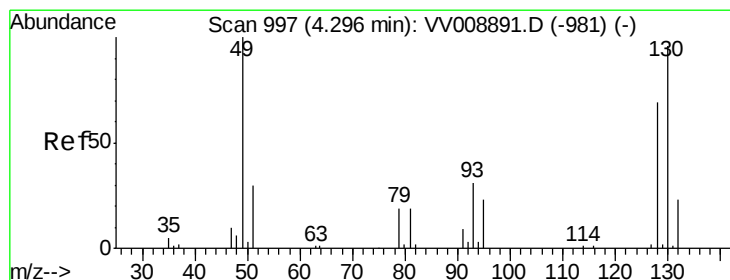
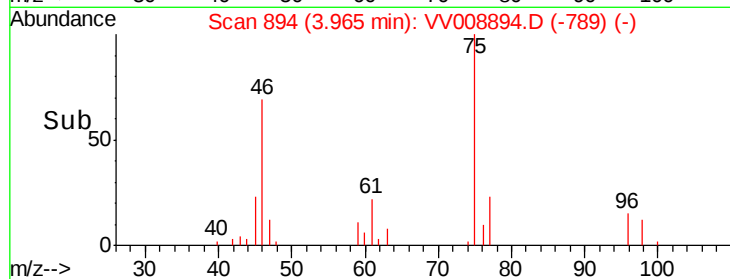
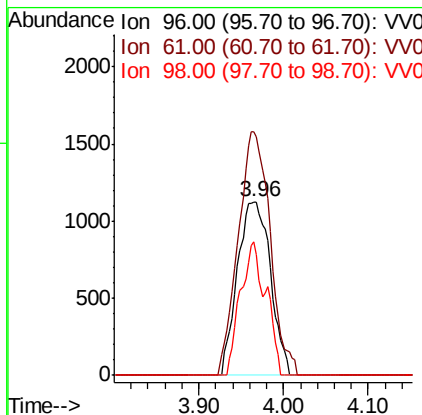
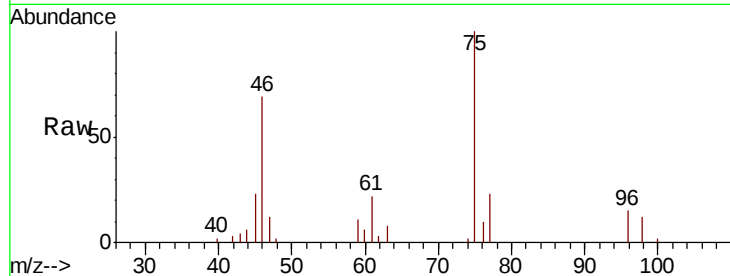
cis-1,2-Dichloroethene
Concen: 1.061 ug/L m
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	86.2	160.0
98	77.0	45.6	84.6

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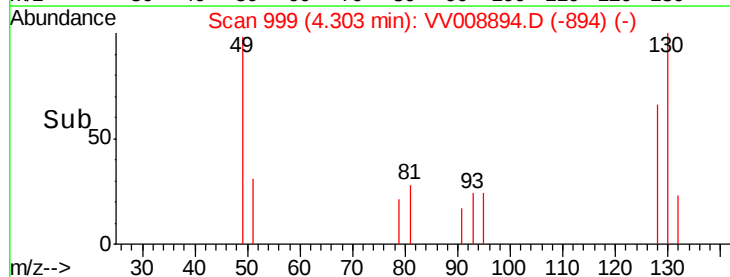
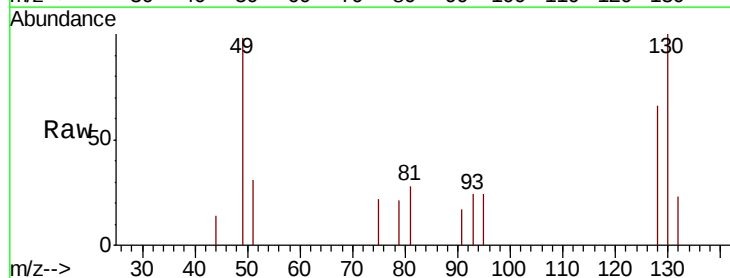
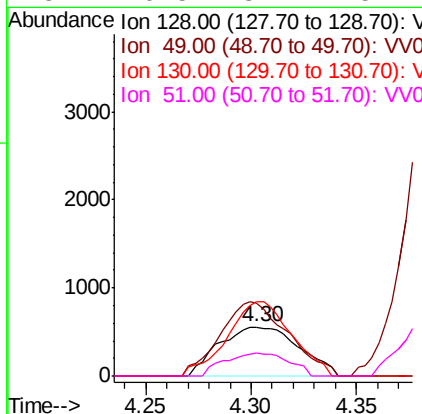
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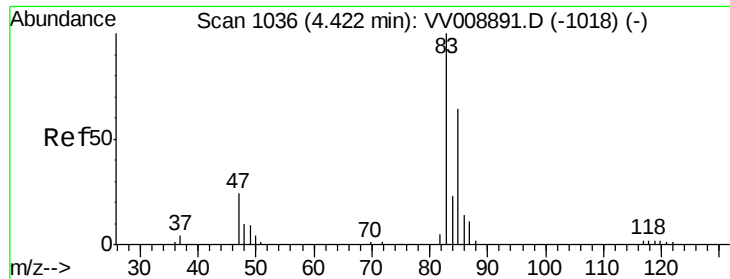


#23

Bromochloromethane
Concen: 1.091 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.01 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Tgt Ion	Ratio	Lower	Upper
128	100		
49	148.1	93.8	174.2
130	150.4	90.4	168.0
51	46.5	34.2	51.4





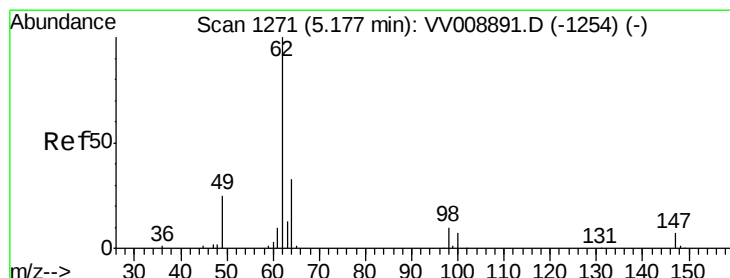
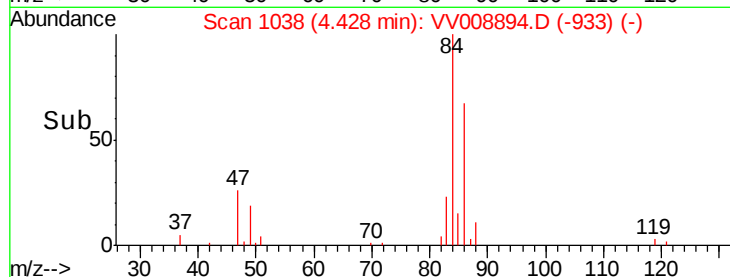
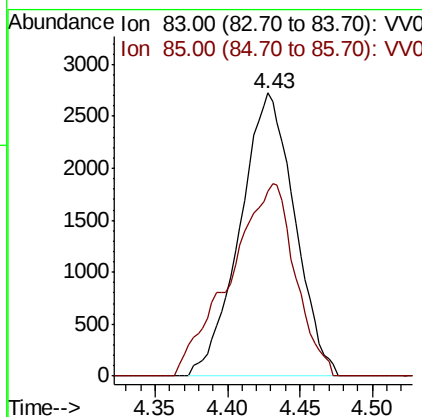
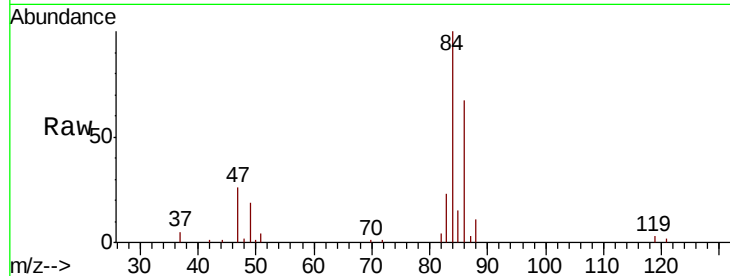
#25
Chloroform
Concen: 1.499 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 83 Resp: 7141
Ion Ratio Lower Upper
83 100
85 65.8 45.6 84.8

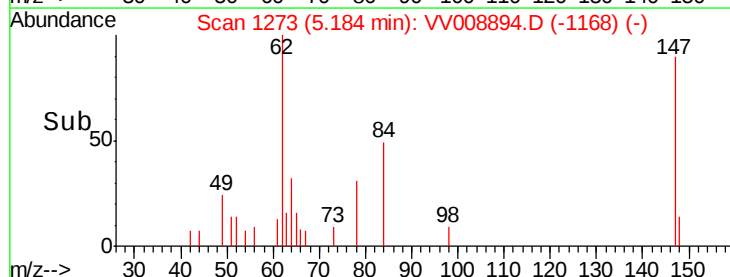
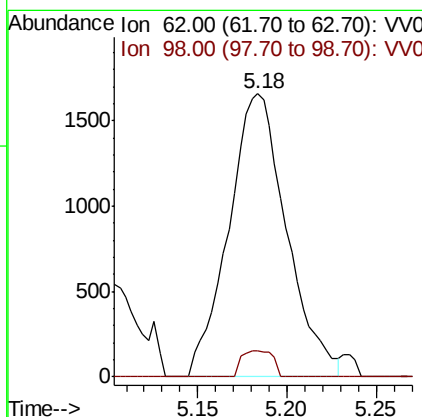
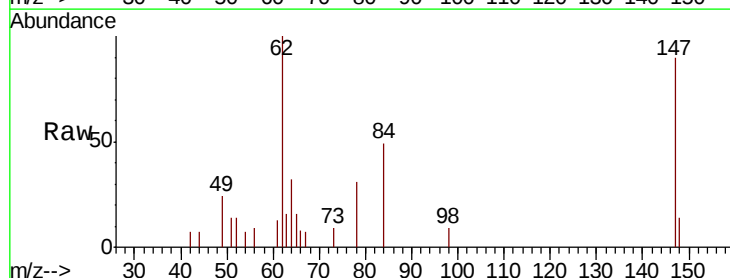
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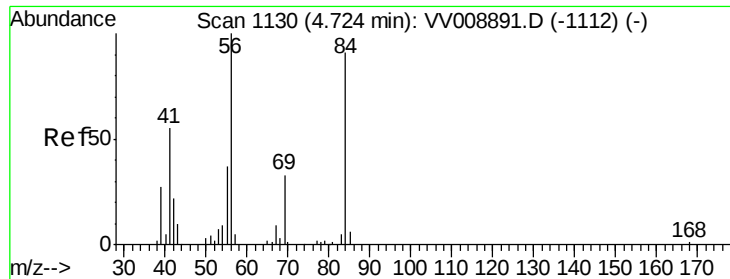
sam
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#27
1,2-Dichloroethane
Concen: 1.157 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Tgt Ion: 62 Resp: 3757
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.0





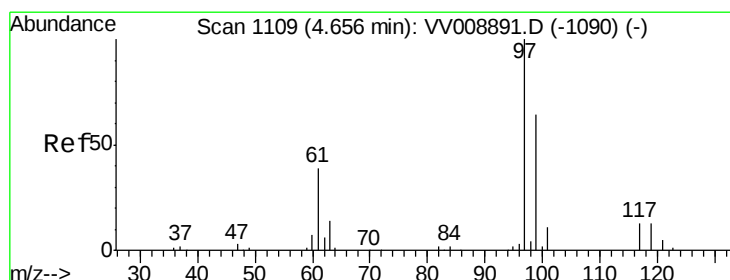
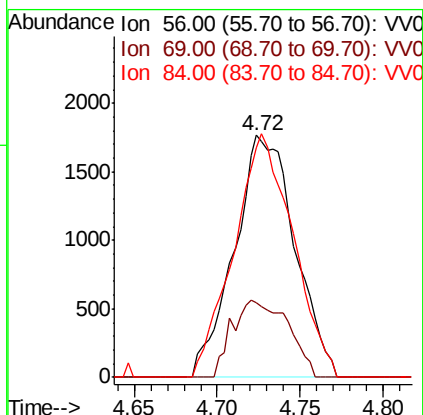
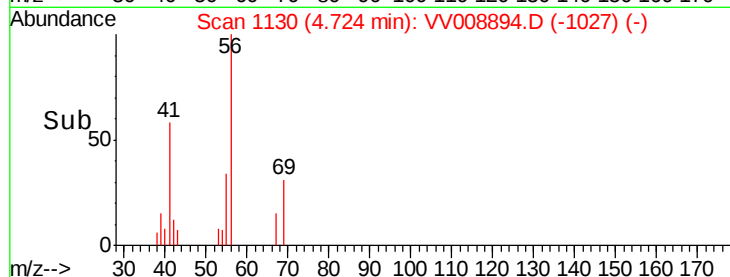
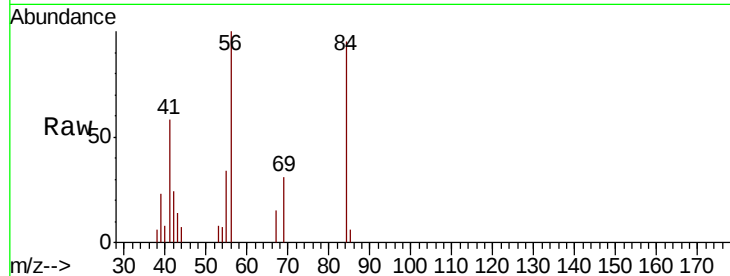
#30
Cyclohexane
Concen: 1.060 ug/L m
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
56	100		
69	7.7	25.8	38.8#
84	97.9	73.0	109.6

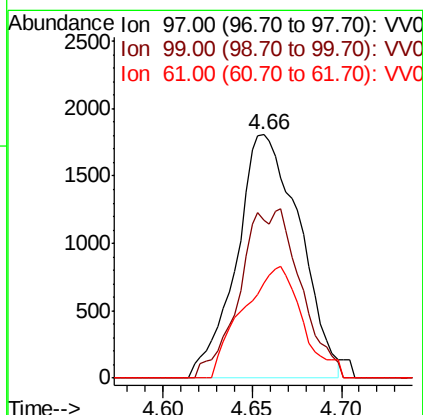
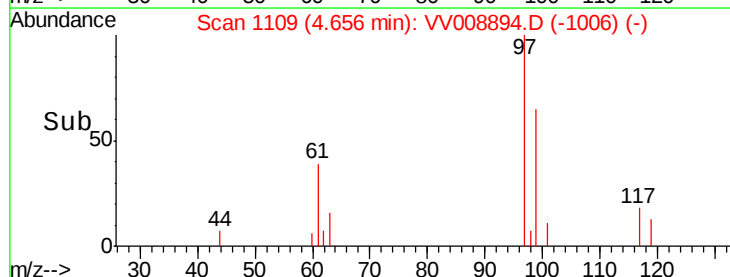
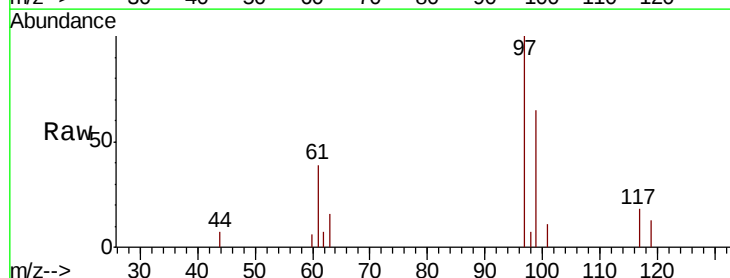
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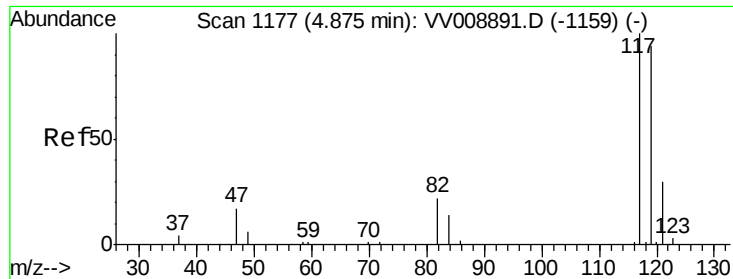
sam
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#31
1,1,1-Trichloroethane
Concen: 1.031 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	34.5	51.9	77.9#
61	42.8	33.1	49.7





#32

Carbon tetrachloride

Concen: 1.100 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion:117 Resp: 4353

Ion Ratio Lower Upper

117 100

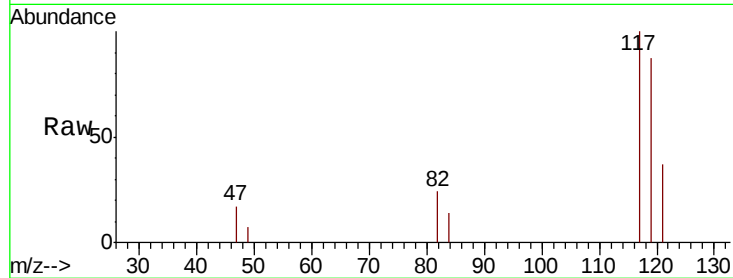
119 89.3 77.1 115.7

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.88

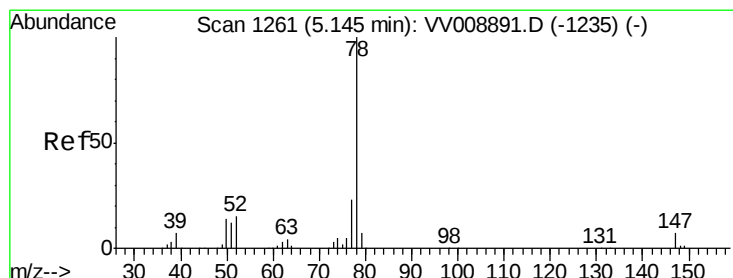
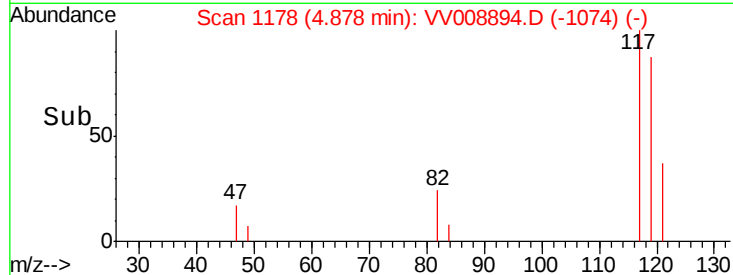
1500

1000

500

0

Time-->



#34

Benzene

Concen: 1.124 ug/L

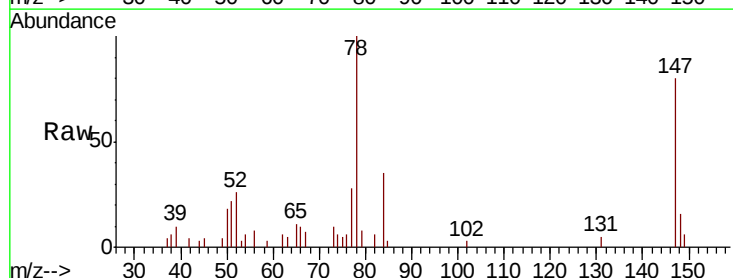
RT: 5.15 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Tgt Ion: 78 Resp: 11320



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.15

5000

4000

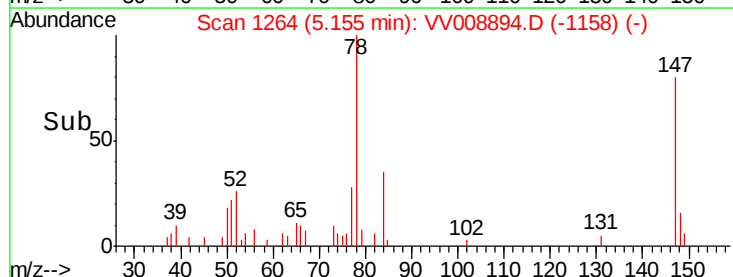
3000

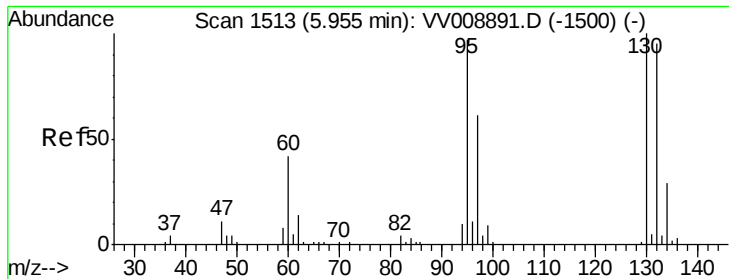
2000

1000

0

Time-->





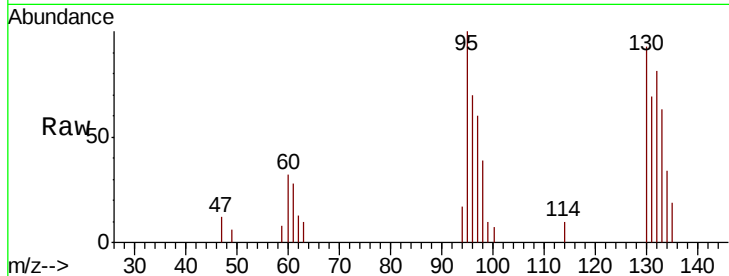
#35
 Trichloroethene
 Concen: 1.312 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: VV008894.D
 Acq: 11 Dec 2018 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

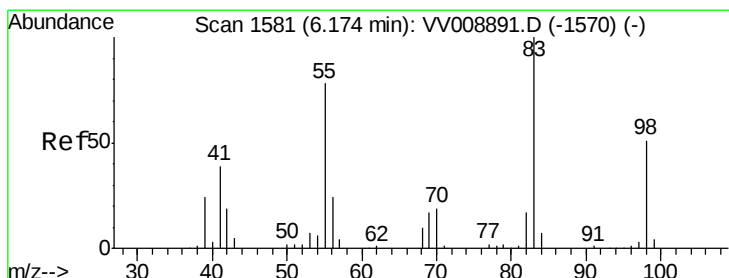
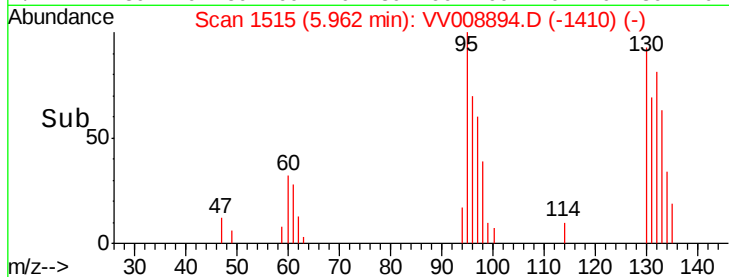
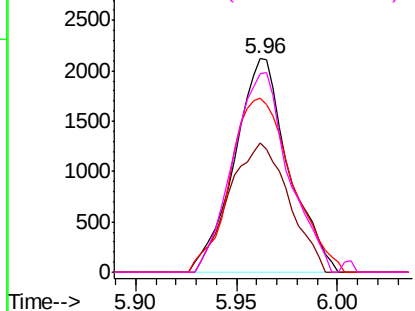
Tot Ion: 95 Resp: 3983
 Ion Ratio Lower Upper
 95 100
 97 66.3 45.3 84.1
 132 93.3 70.0 130.0
 130 95.6 73.4 136.4

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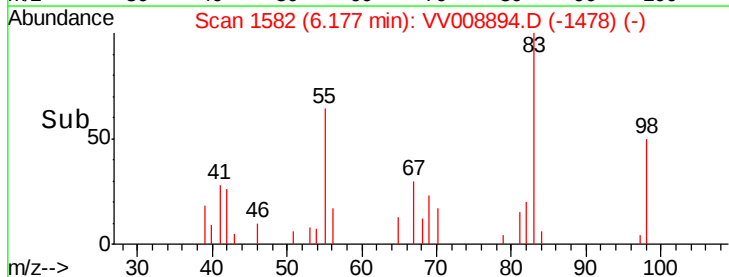
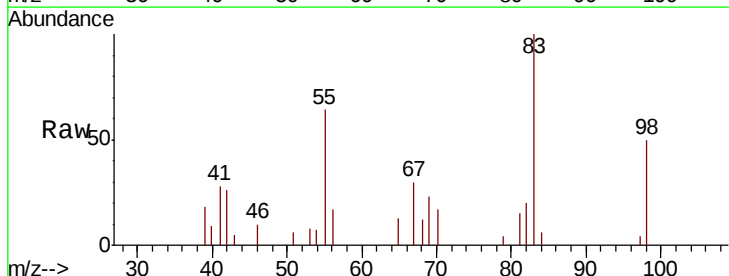
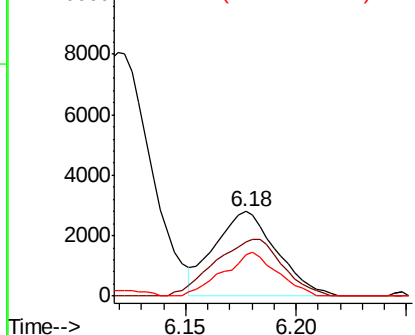
Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

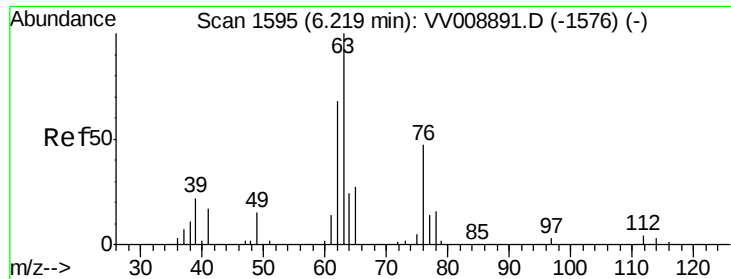


#36
 Methylcyclohexane
 Concen: 1.131 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV008894.D
 Acq: 11 Dec 2018 12:40

Tgt Ion: 83 Resp: 5478
 Ion Ratio Lower Upper
 83 100
 55 72.8 58.2 87.2
 98 44.9 37.8 56.8

Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 1.094 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 63 Resp: 2644

Ion Ratio Lower Upper

63 100

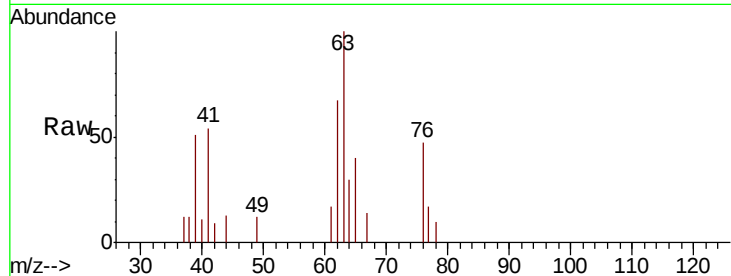
112 0.0 3.8 5.8#

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Abundance Ion 63.00 (62.70 to 63.70): VV008894.D (-1492) (-)

Ion 112.00 (111.70 to 112.70): VV008894.D (-1492) (-)

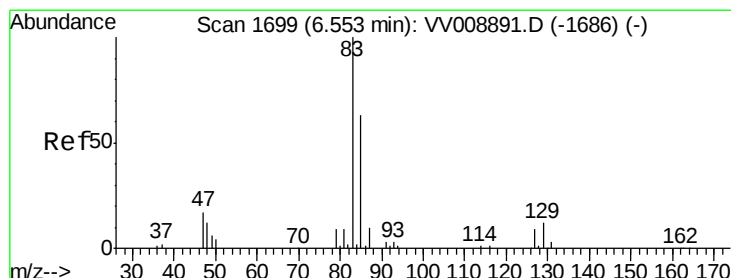
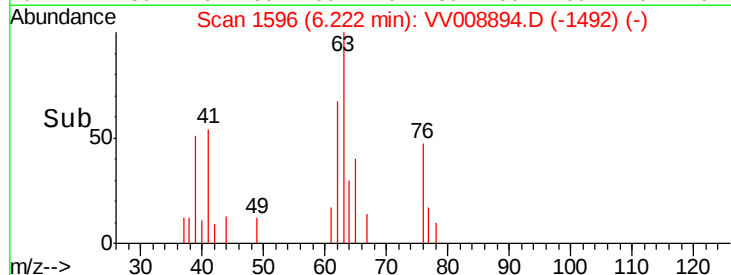
6.22

1000

500

0

Time-->



#41

Bromodichloromethane

Concen: 1.040 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

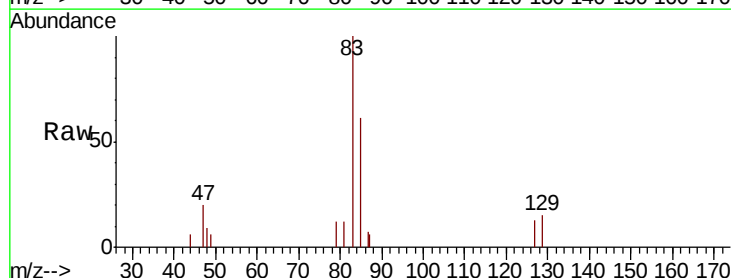
Tgt Ion: 83 Resp: 3314

Ion Ratio Lower Upper

83 100

85 61.0 45.3 84.1

127 13.2 7.2 10.8#



Abundance Ion 83.00 (82.70 to 83.70): VV008894.D (-1596) (-)

Ion 85.00 (84.70 to 85.70): VV008894.D (-1596) (-)

Ion 127.00 (126.70 to 127.70): VV008894.D (-1596) (-)

6.56

2000

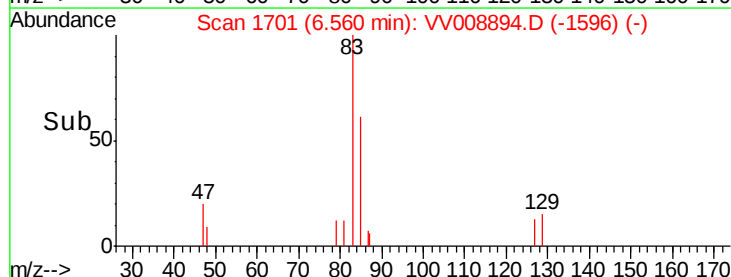
1500

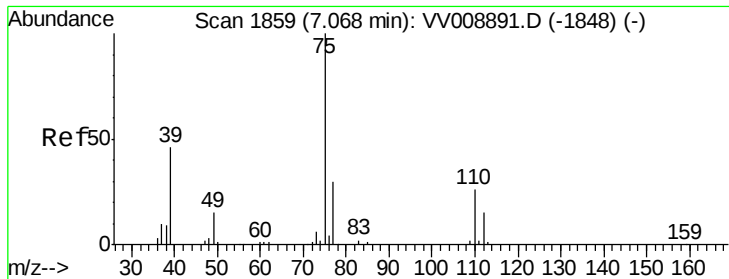
1000

500

0

Time-->





#42

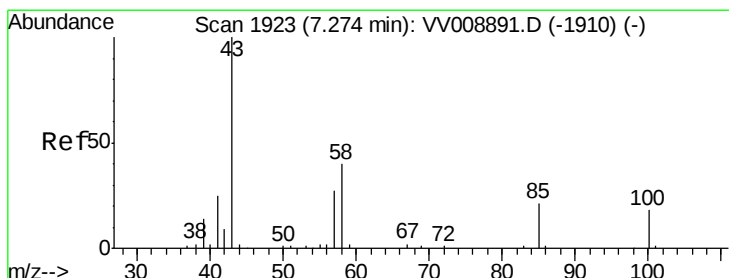
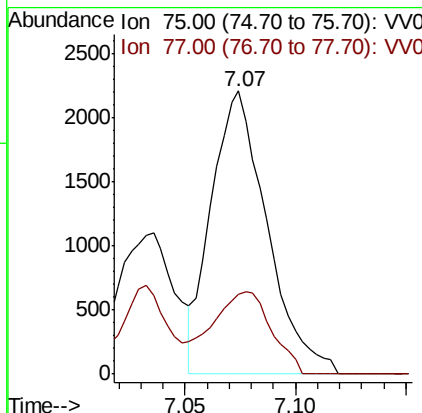
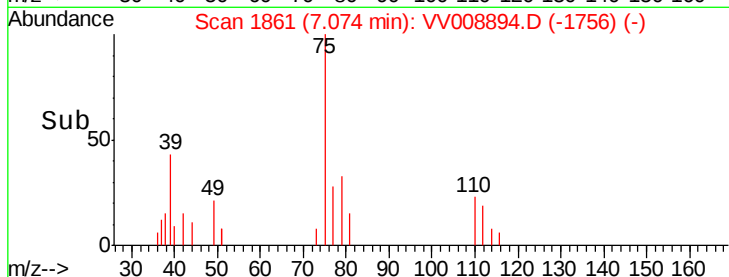
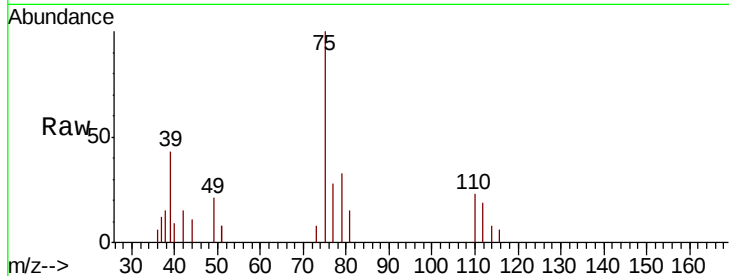
cis-1,3-Dichloropropene
Concen: 1.094 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.1	21.3	39.6

Manual Integrations
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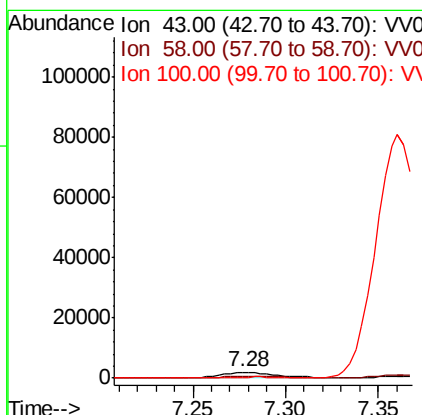
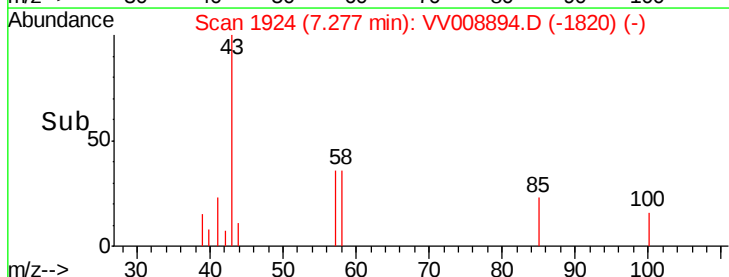
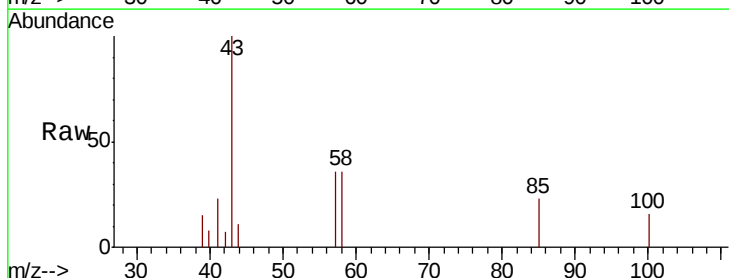
sam
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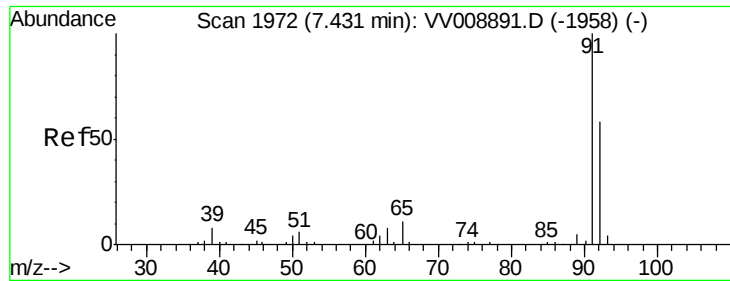


#43

4-Methyl-2-pentanone
Concen: 2.535 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.2	48.4
100	15.1	13.8	20.8





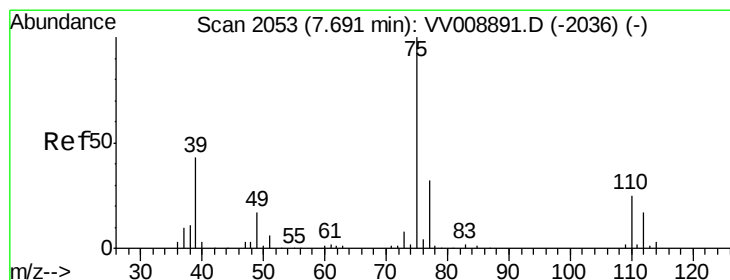
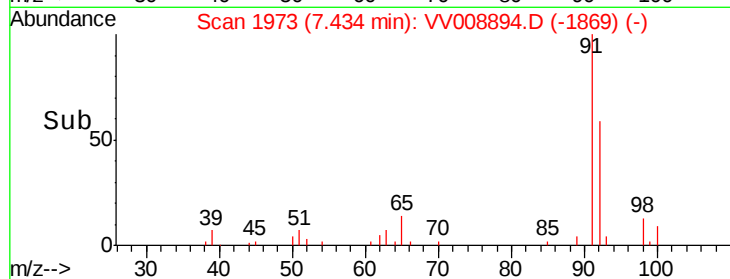
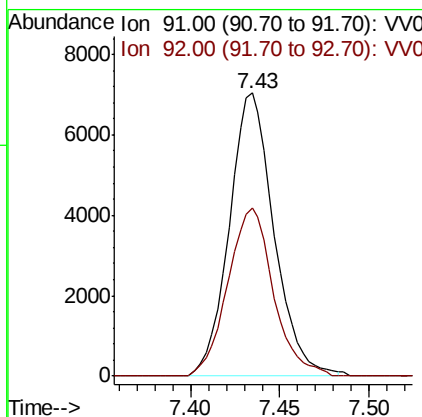
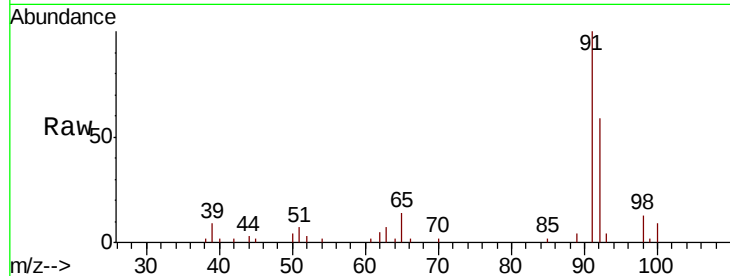
#44
Toluene
Concen: 1.164 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 91 Resp: 12292
Ion Ratio Lower Upper
91 100
92 59.4 41.7 77.5

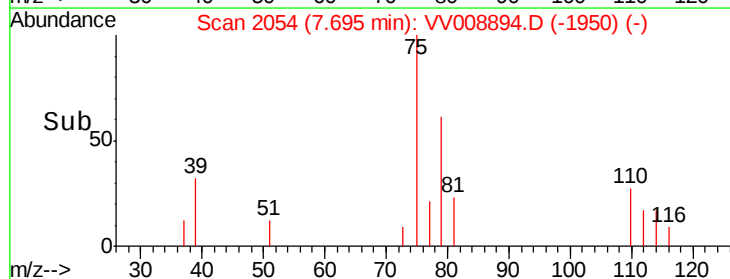
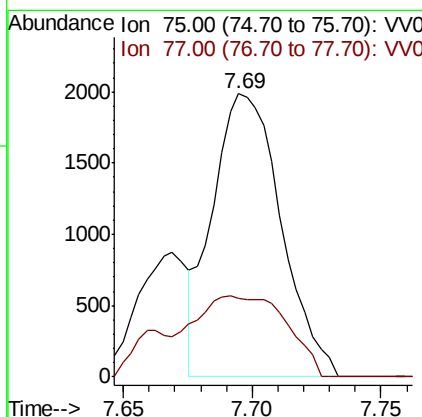
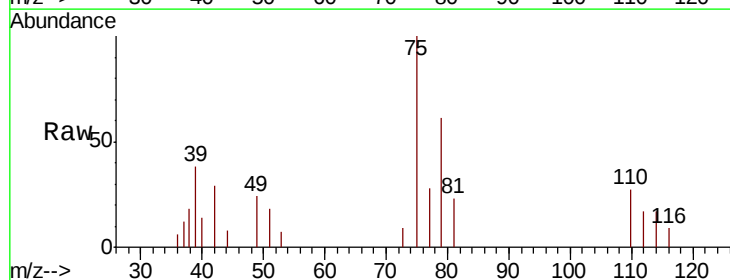
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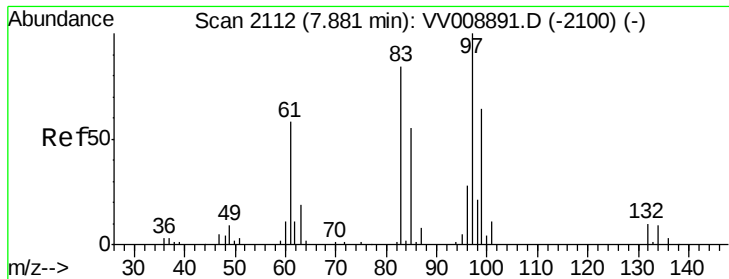
sam
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#45
trans-1,3-Dichloropropene
Concen: 1.193 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. 0.00 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Tgt Ion: 75 Resp: 3681
Ion Ratio Lower Upper
75 100
77 27.8 23.6 43.8





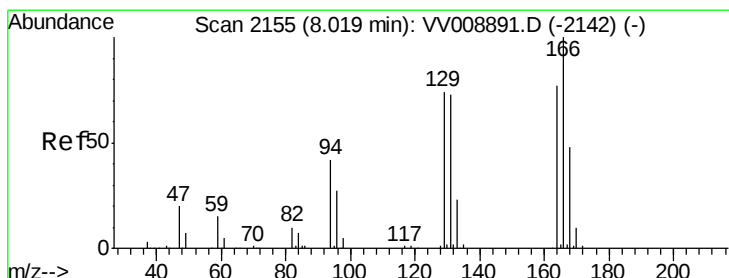
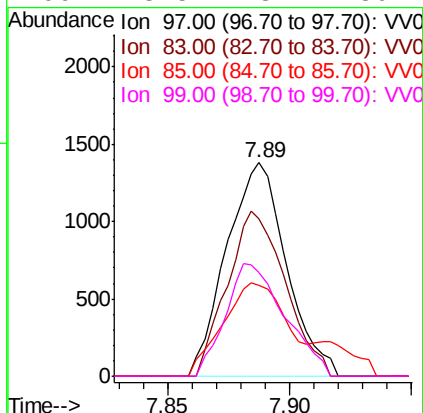
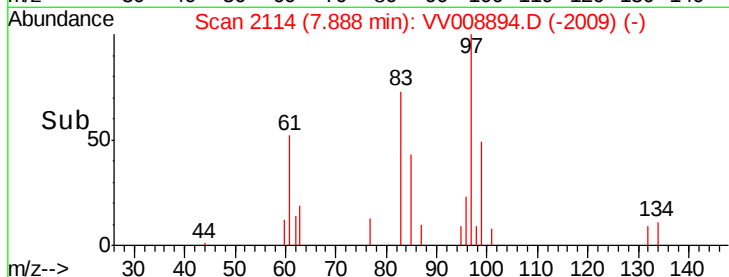
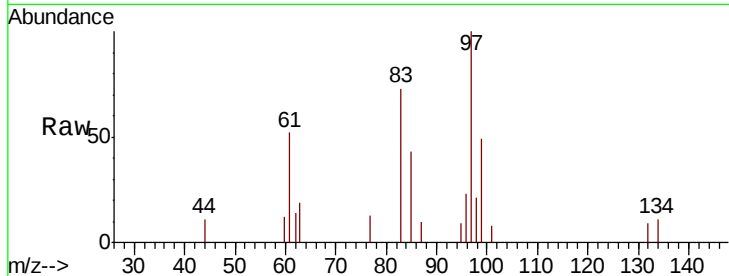
#46
 1,1,2-Trichloroethane
 Concen: 1.166 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.01 min
 Lab File: VV008894.D
 Acq: 11 Dec 2018 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion:	97	Resp:	2347
Ion	Ratio	Lower	Upper
97	100		
83	73.5	56.6	105.2
85	42.7	36.6	68.0
99	48.5	43.2	80.2

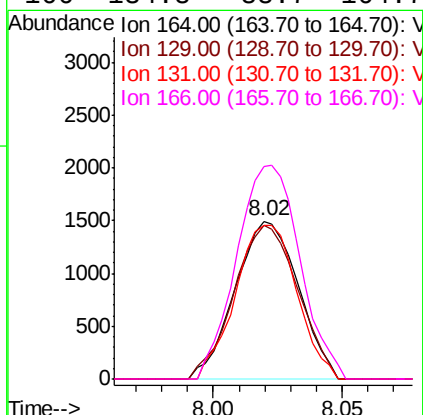
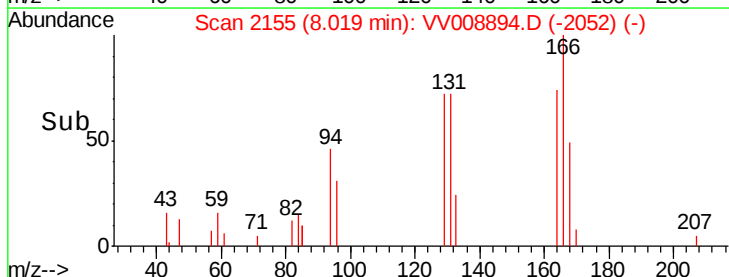
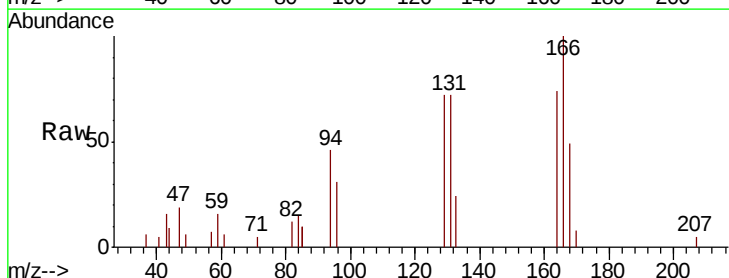
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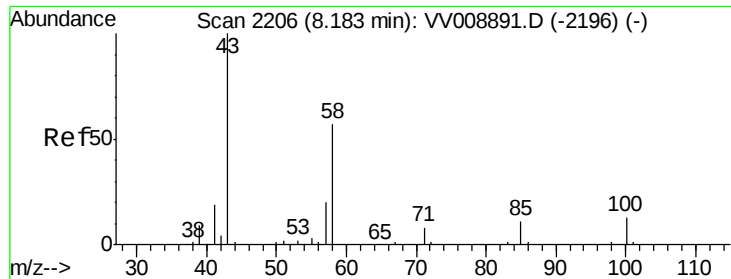
sam
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#47
 Tetrachloroethene
 Concen: 1.035 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008894.D
 Acq: 11 Dec 2018 12:40

Tgt Ion:	164	Resp:	2556
Ion	Ratio	Lower	Upper
164	100		
129	97.1	64.6	120.0
131	97.3	64.5	119.7
166	134.8	88.7	164.7





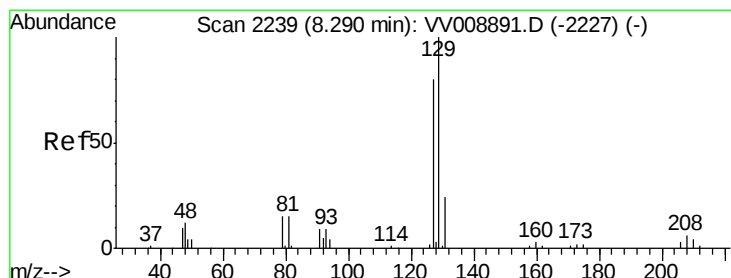
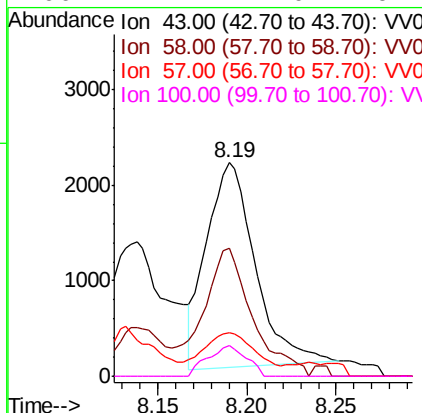
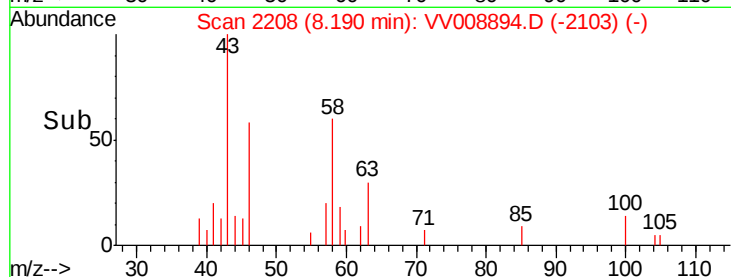
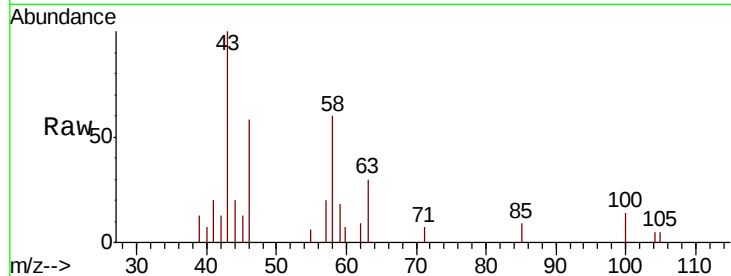
#49
2-Hexanone
Concen: 3.002 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion:	43	Resp:	4057
Ion Ratio	Lower	Upper	
43	100		
58	60.5	43.9	65.9
57	16.9	15.7	23.5
100	11.7	11.0	16.4

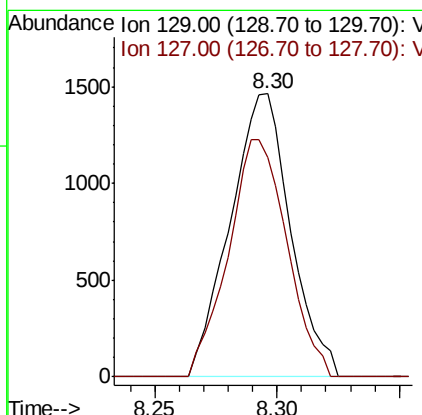
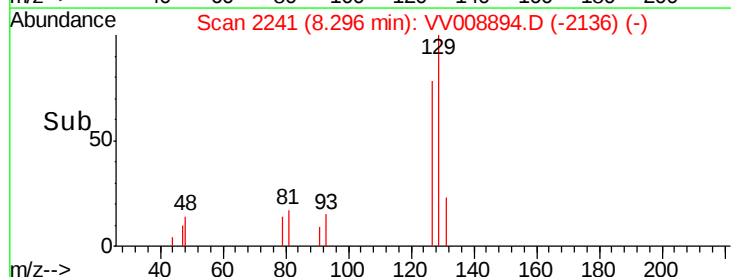
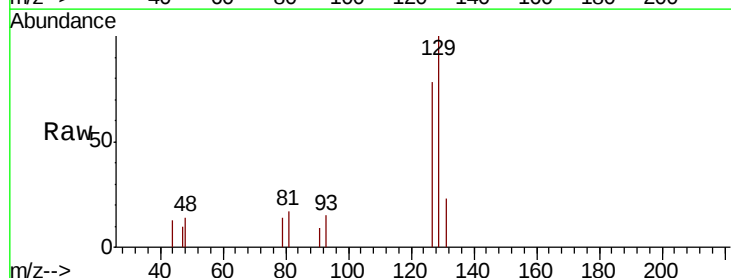
Manual Integrations
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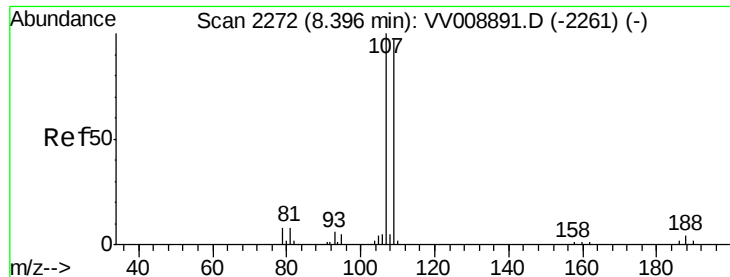
sam
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#50
Dibromochloromethane
Concen: 1.087 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Tgt Ion:	129	Resp:	2510
Ion Ratio	Lower	Upper	
129	100		
127	77.5	53.5	99.3





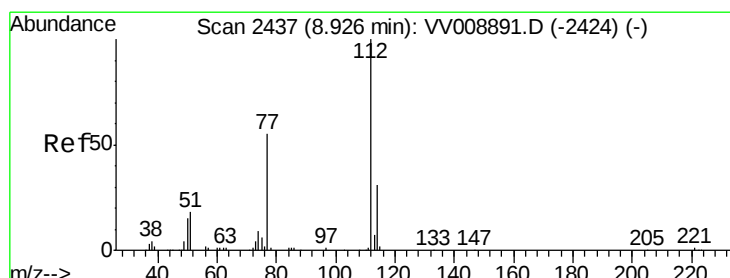
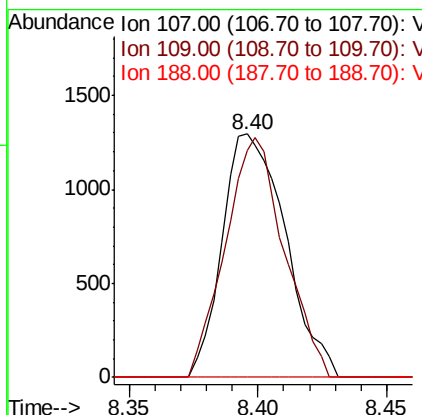
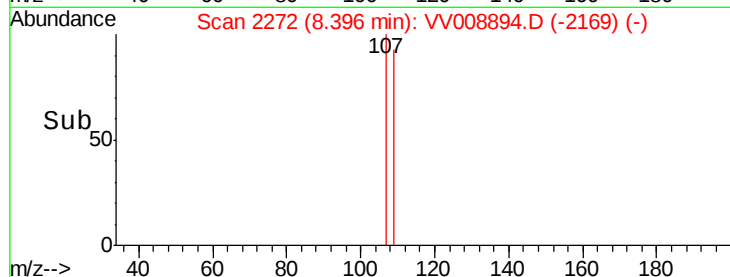
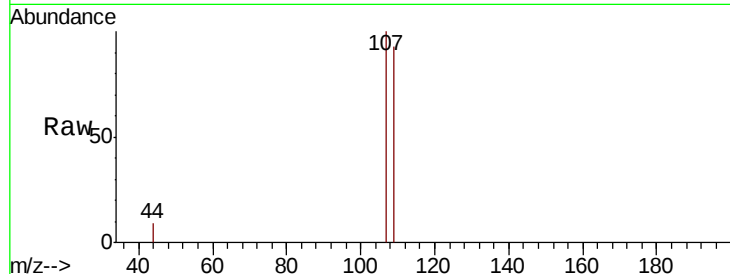
#51
 1,2-Dibromoethane
 Concen: 1.094 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV008894.D
 Acq: 11 Dec 2018 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	65.8	122.2
188	0.0	3.0	4.6#

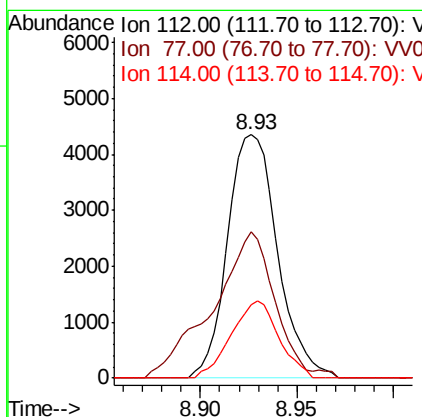
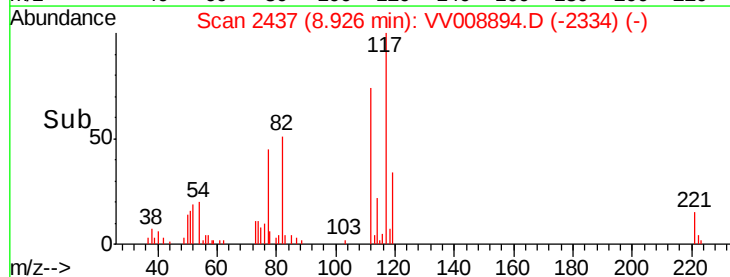
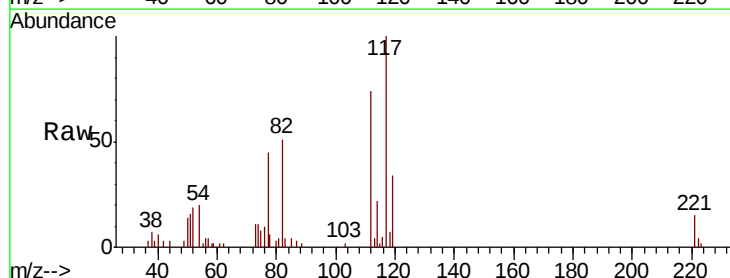
Manual Integrations
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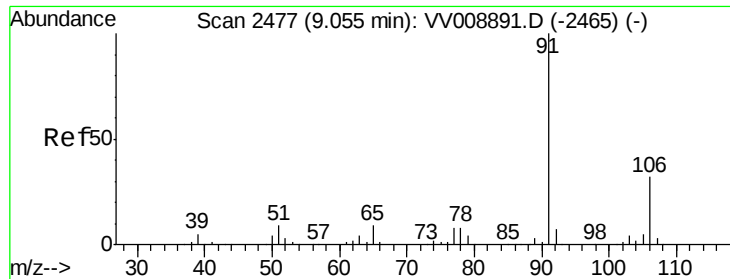
sam
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#52
 Chlorobenzene
 Concen: 1.140 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV008894.D
 Acq: 11 Dec 2018 12:40

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.9	44.6	66.8
114	30.2	22.6	42.0





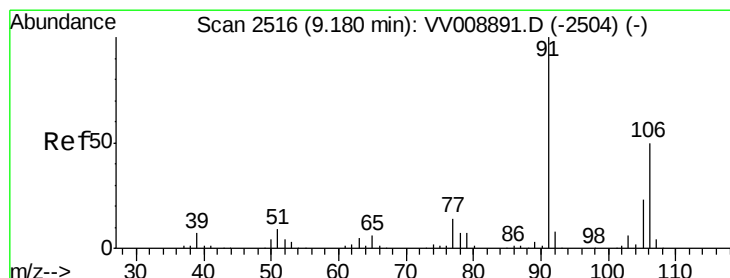
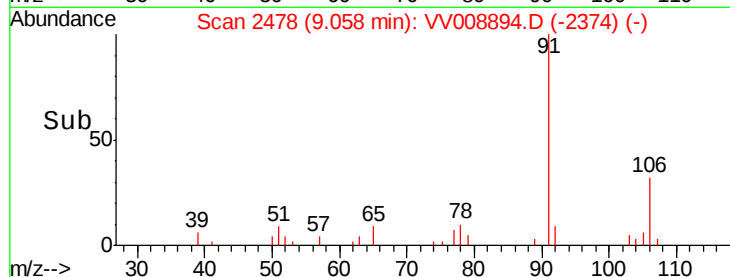
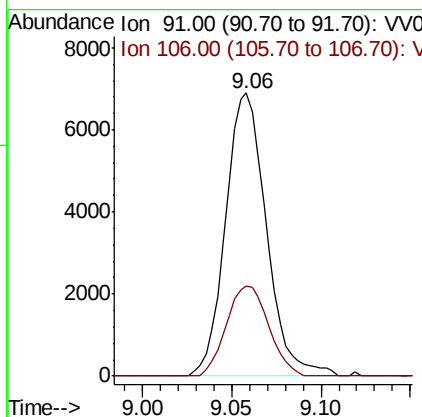
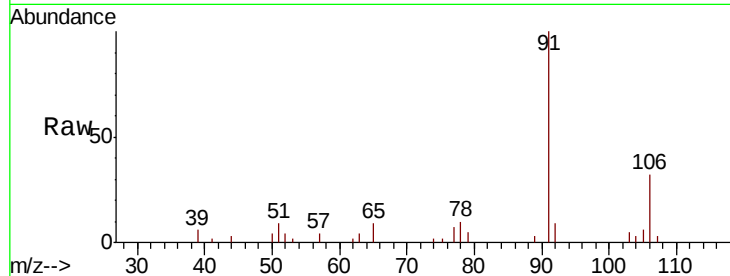
#53
Ethylbenzene
Concen: 0.962 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 91 Resp: 11018
Ion Ratio Lower Upper
91 100
106 32.0 21.3 39.5

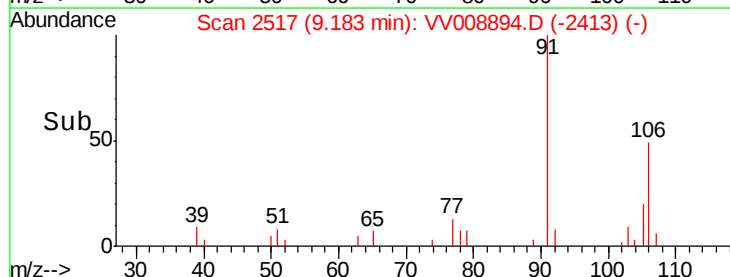
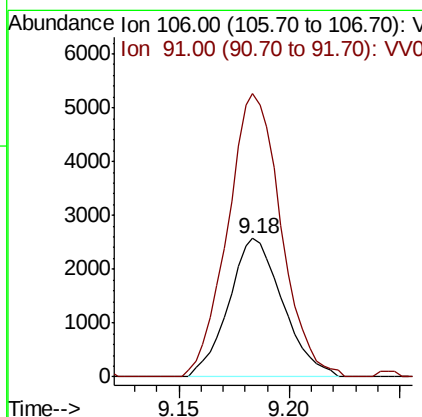
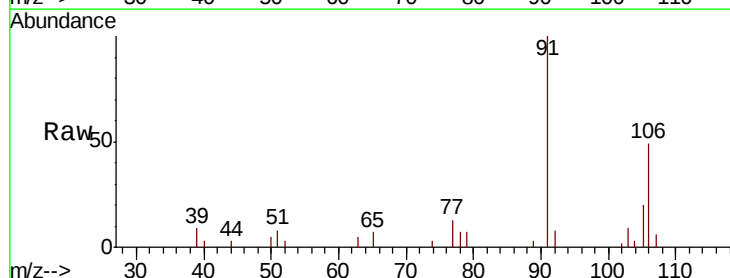
Manual Integrations
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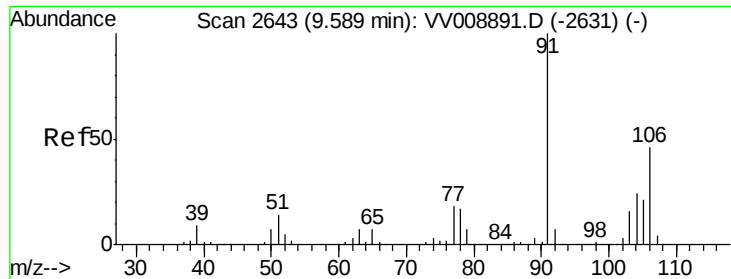
sam
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#54
m,p-Xylene
Concen: 1.012 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV008894.D
Acq: 11 Dec 2018 12:40

Tgt Ion: 106 Resp: 4389
Ion Ratio Lower Upper
106 100
91 204.1 141.3 262.3





#55

o-xylene

Concen: 1.058 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion:106 Resp: 4263

Ion Ratio Lower Upper

106 100

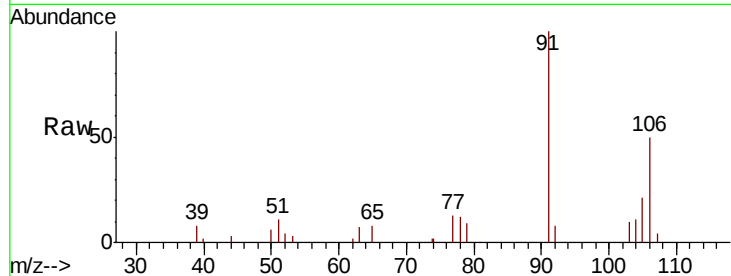
91 198.4 148.3 275.5

Manual Integrations

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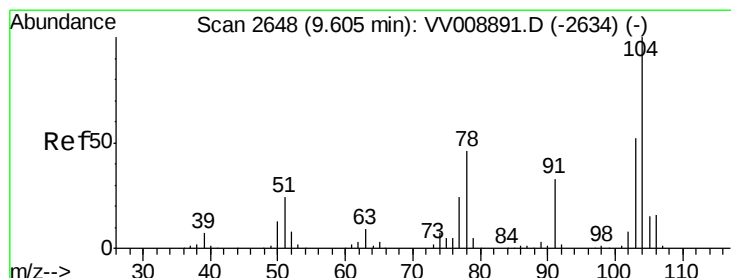
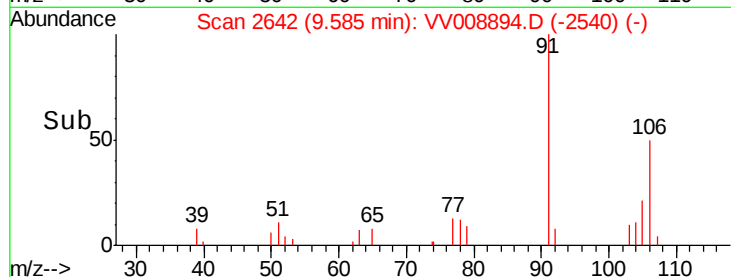
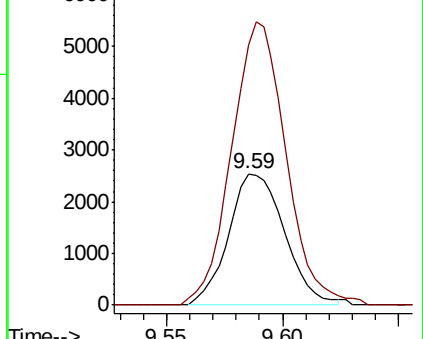
sam

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 0.940 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008894.D

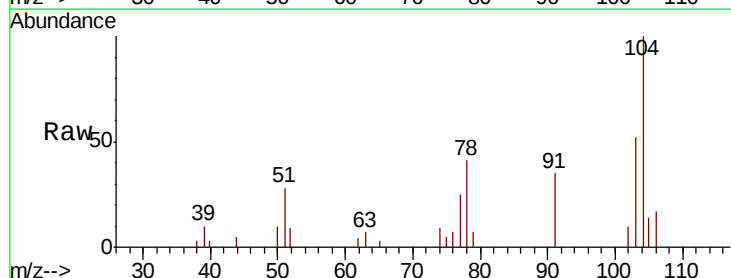
Acq: 11 Dec 2018 12:40

Tgt Ion:104 Resp: 6114

Ion Ratio Lower Upper

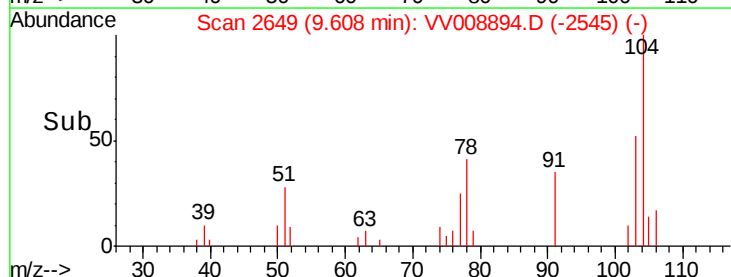
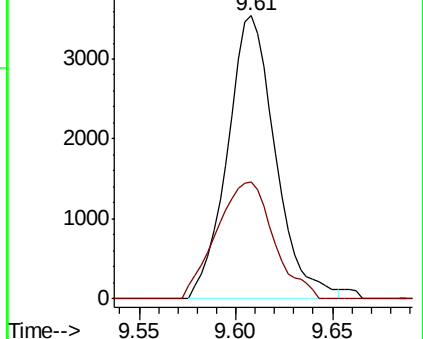
104 100

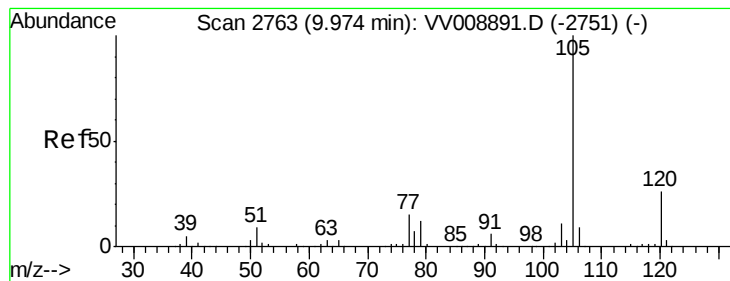
78 41.1 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 1.000 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Instrument :

MSVOA_V

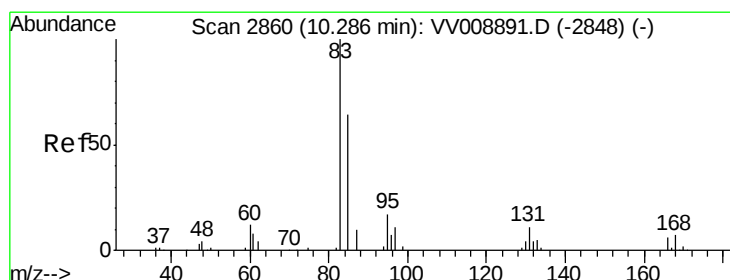
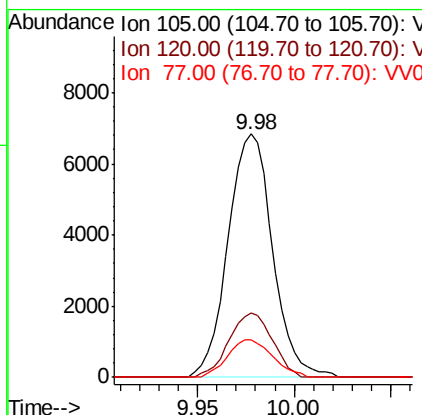
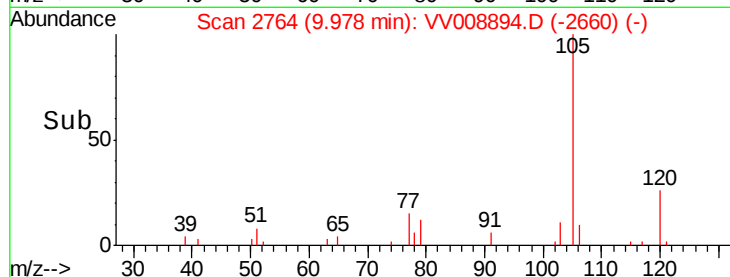
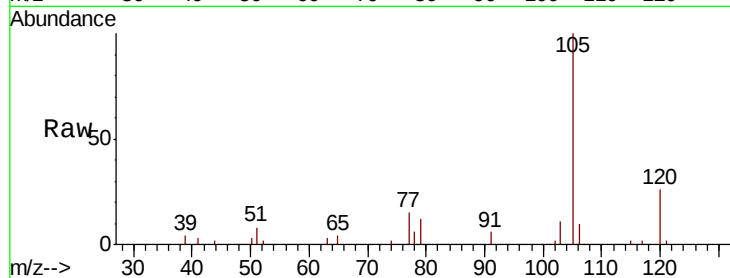
ClientSampleId :

MDL02

Tot Ion:	105	Resp:	10949
Ion Ratio	Lower	Upper	
105	100		
120	25.6	21.7	32.5
77	15.6	12.4	18.6

Manual Integrations
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#58

1,1,2,2-Tetrachloroethane

Concen: 1.178 ug/L

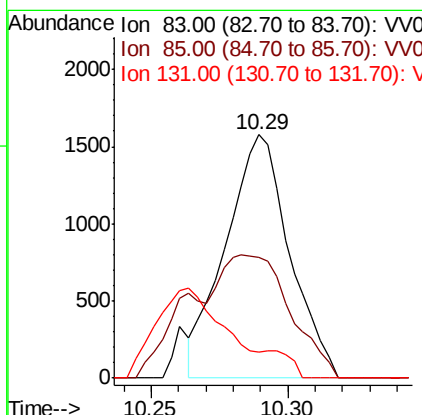
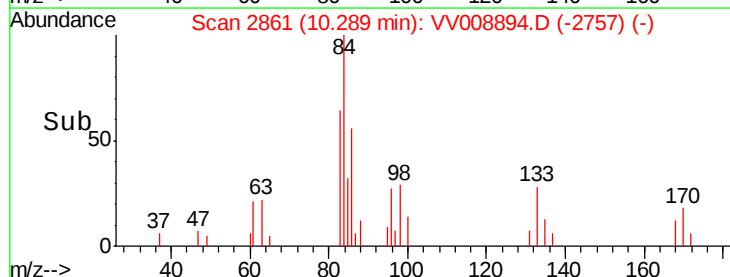
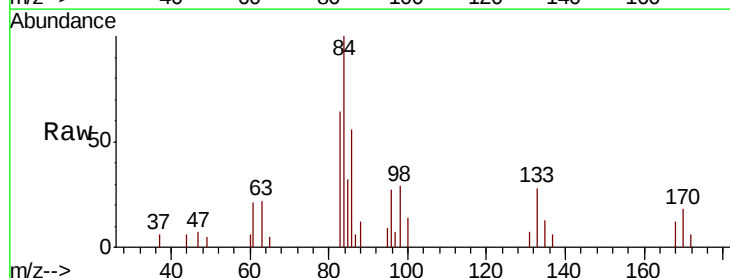
RT: 10.29 min Scan# 2861

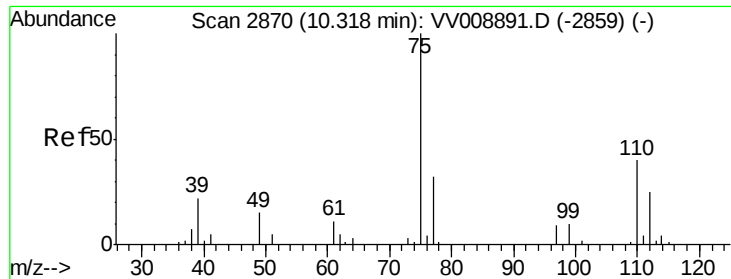
Delta R.T. 0.00 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Tgt Ion:	83	Resp:	2564
Ion Ratio	Lower	Upper	
83	100		
85	49.6	44.3	82.3
131	10.8	7.8	11.8





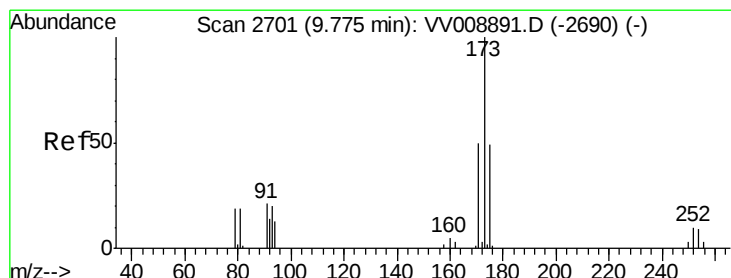
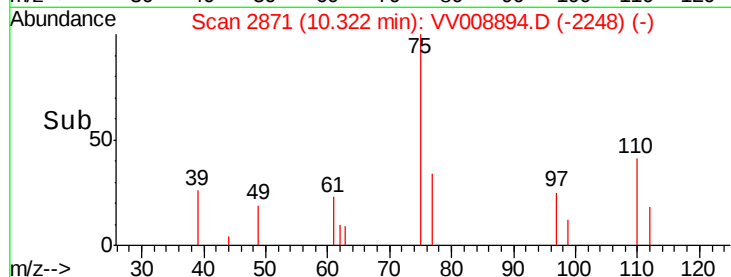
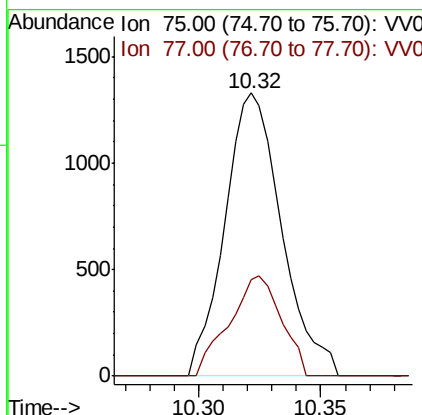
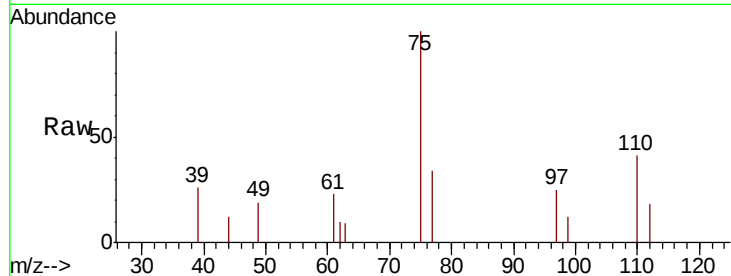
#59
 1,2,3-Trichloropropane
 Concen: 1.143 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008894.D
 Acq: 11 Dec 2018 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion: 75 Resp: 2153
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.6 38.4

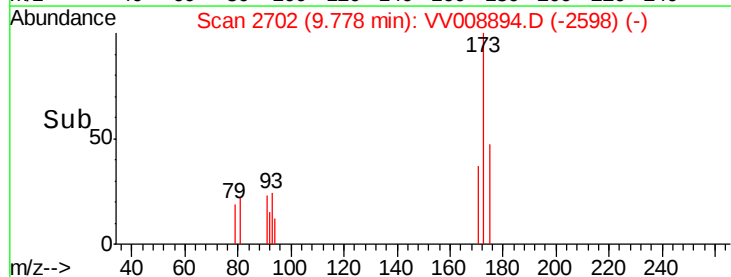
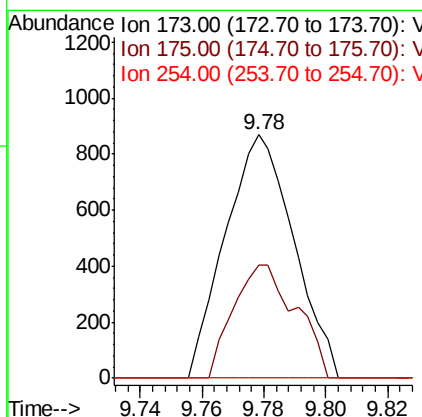
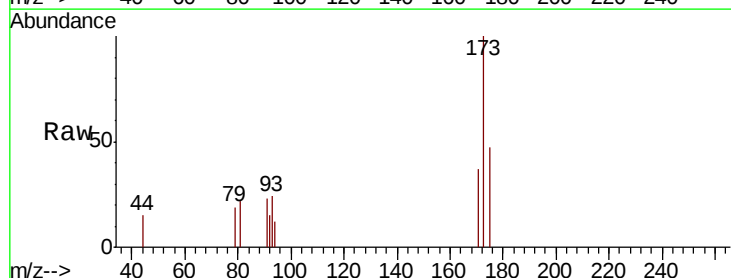
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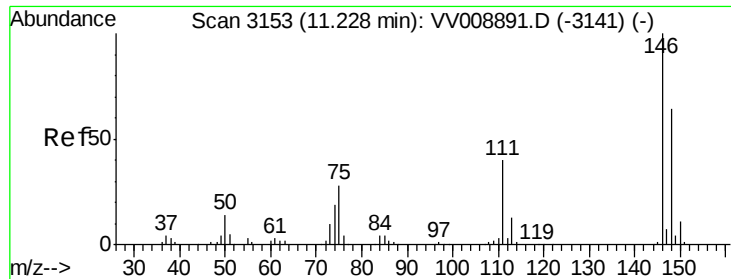
sam
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#62
 Bromoform
 Concen: 1.013 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008894.D
 Acq: 11 Dec 2018 12:40

Tgt Ion: 173 Resp: 1335
 Ion Ratio Lower Upper
 173 100
 175 33.9 37.7 56.5#
 254 0.0 7.1 10.7#





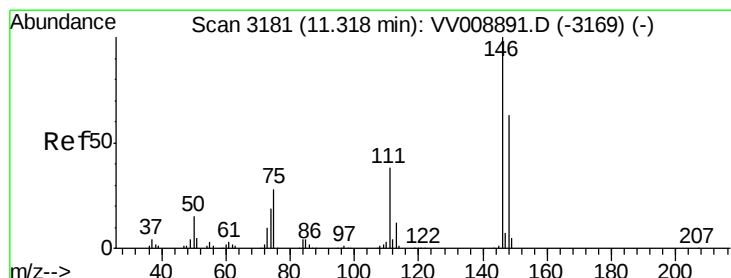
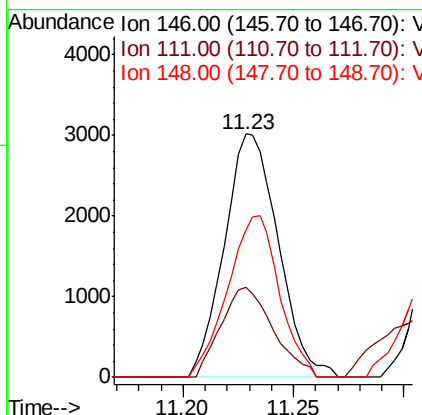
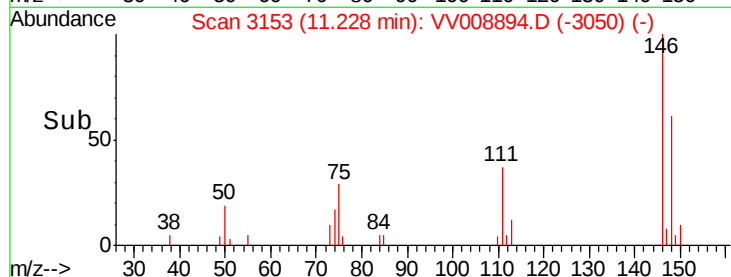
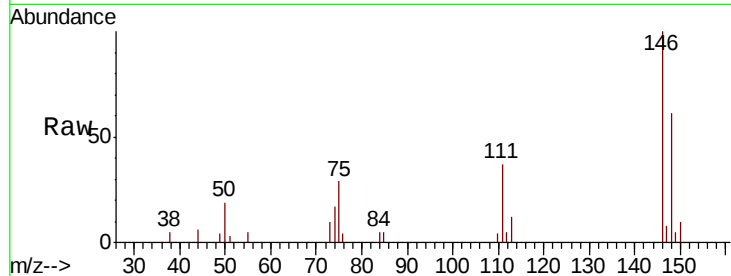
#63
 1,3-Dichlorobenzene
 Concen: 1.090 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008894.D
 Acq: 11 Dec 2018 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	27.5	51.1
148	60.8	44.0	81.8

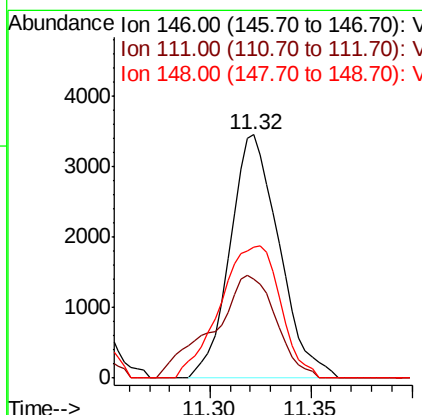
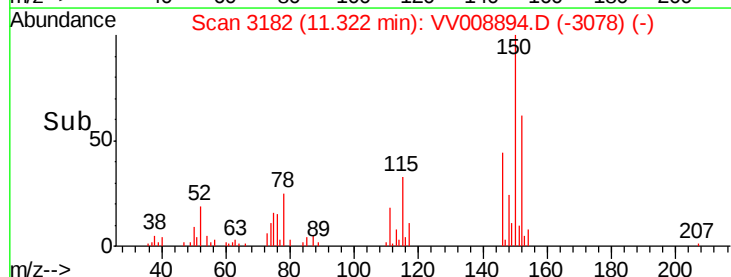
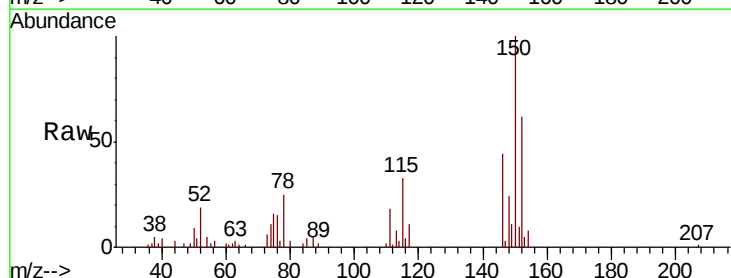
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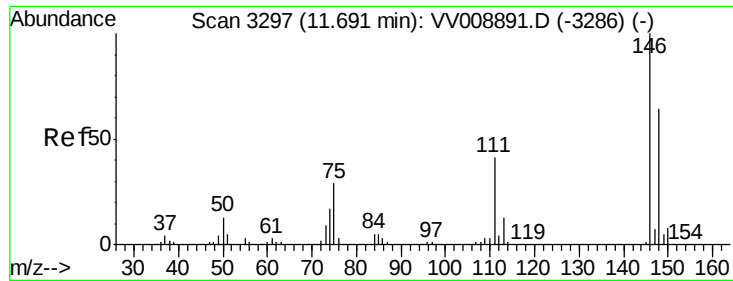
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#64
 1,4-Dichlorobenzene
 Concen: 1.217 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008894.D
 Acq: 11 Dec 2018 12:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	26.8	49.8
148	53.7	45.8	85.0





#65

1,2-Dichlorobenzene

Concen: 1.223 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Instrument :

MSVOA_V

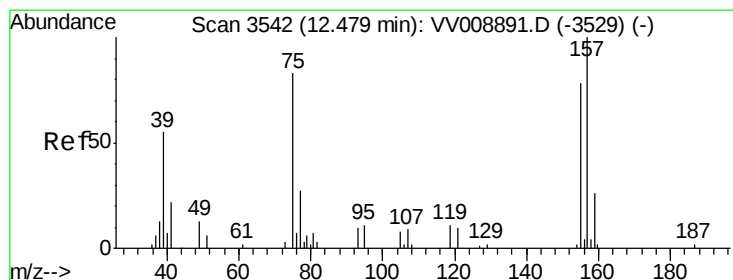
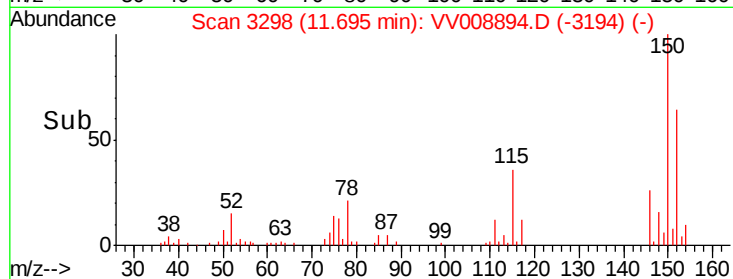
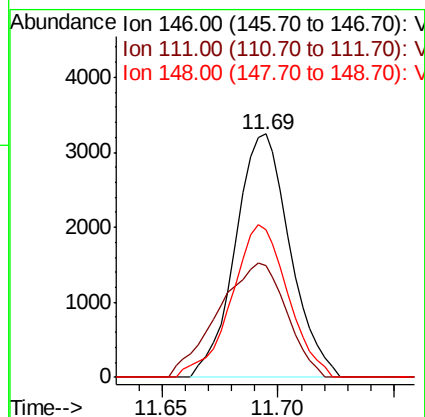
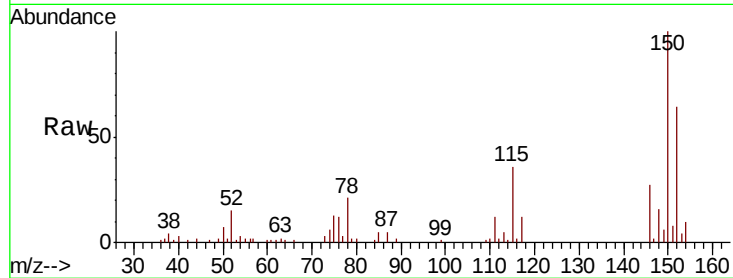
ClientSampleId :

MDL02

Tot Ion:	146	Resp:	5304
Ion Ratio	Lower	Upper	
146	100		
111	45.7	34.2	51.4
148	60.8	51.0	76.6

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#66

1,2-Dibromo-3-chloropropane

Concen: 0.701 ug/L m

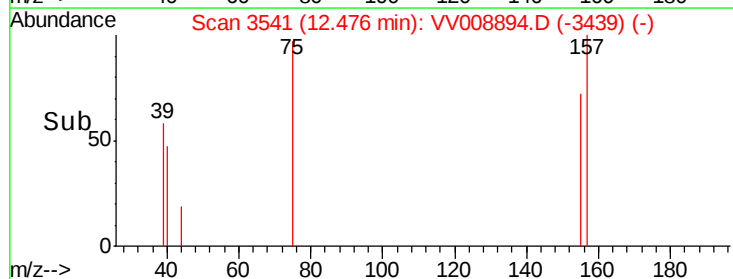
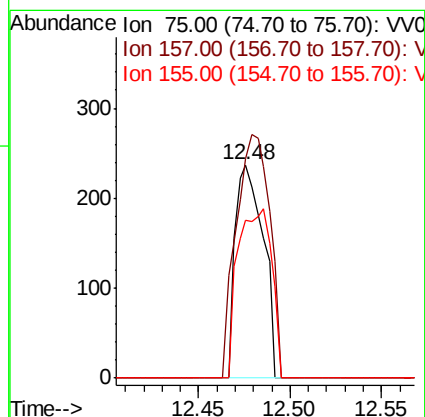
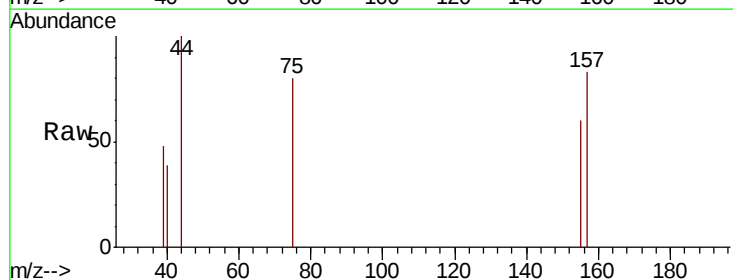
RT: 12.48 min Scan# 3541

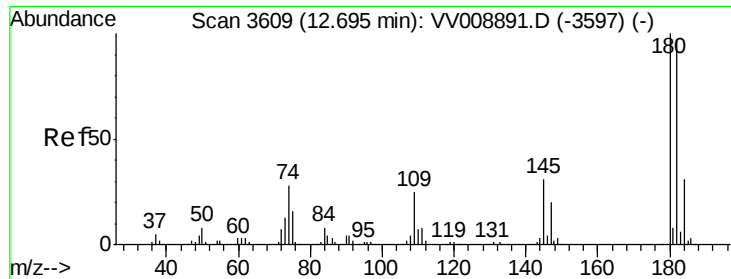
Delta R.T. -0.00 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Tgt Ion:	75	Resp:	249
Ion Ratio	Lower	Upper	
75	100		
157	103.0	95.8	143.6
155	74.3	71.4	107.2





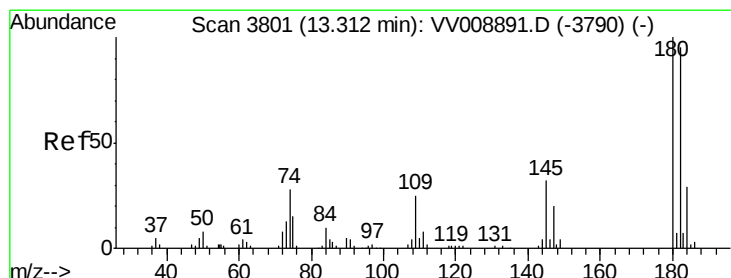
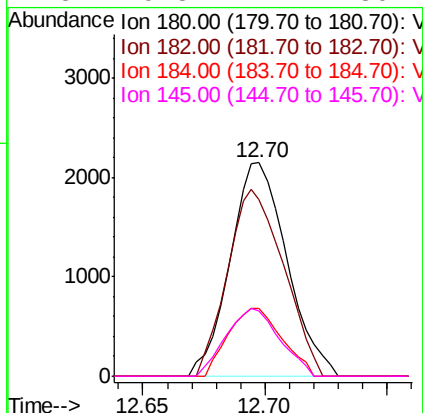
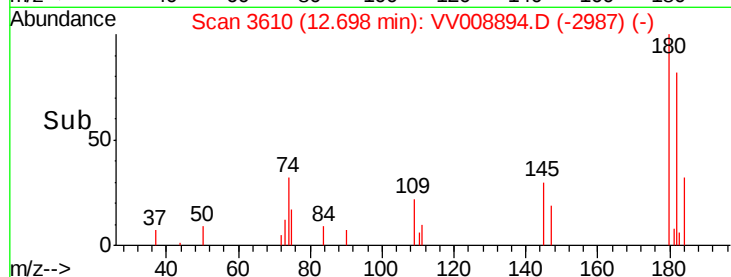
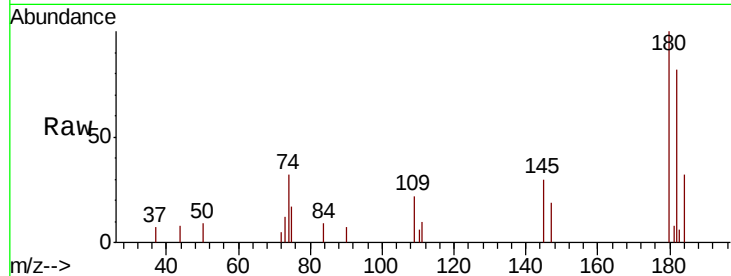
#67
 1,3,5-Trichlorobenzene
 Concen: 1.021 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008894.D
 Acq: 11 Dec 2018 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.4	75.9	113.9
184	30.1	23.8	35.6
145	29.8	24.2	36.4

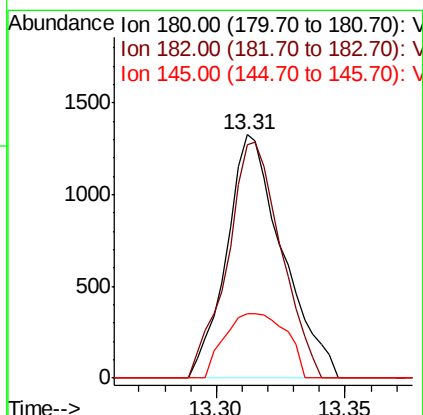
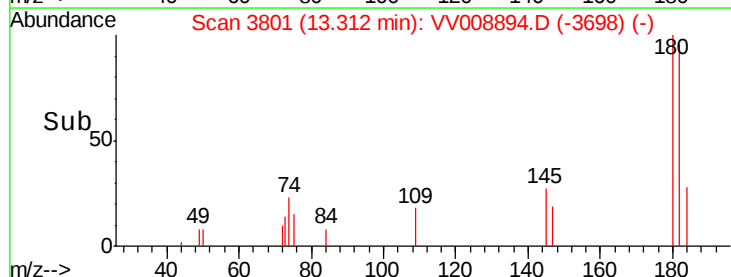
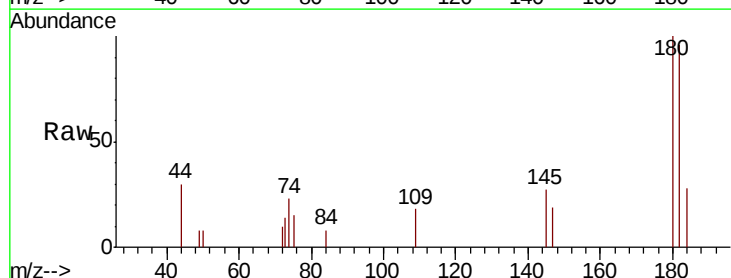
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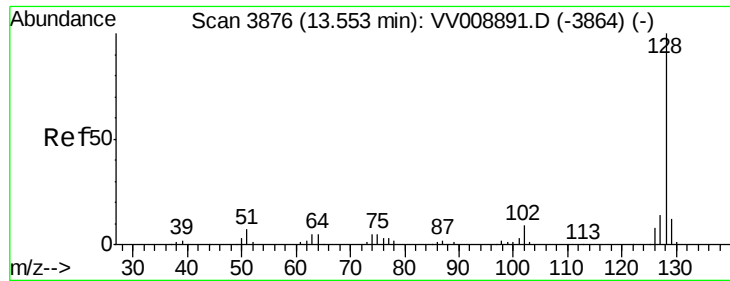
sam
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#68
 1,2,4-trichlorobenzene
 Concen: 0.843 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008894.D
 Acq: 11 Dec 2018 12:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	77.4	116.0
145	29.1	25.6	38.4





#69

Naphthalene

Concen: 0.666 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Instrument :

MSVOA_V

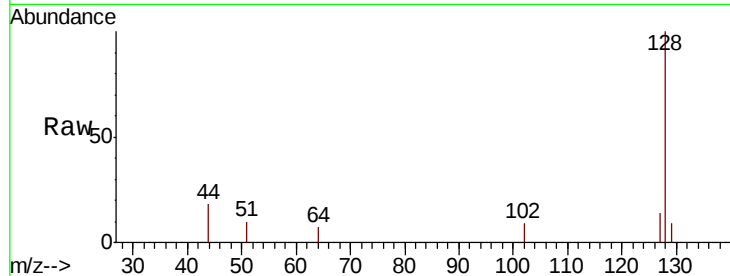
ClientSampleId :

MDL02

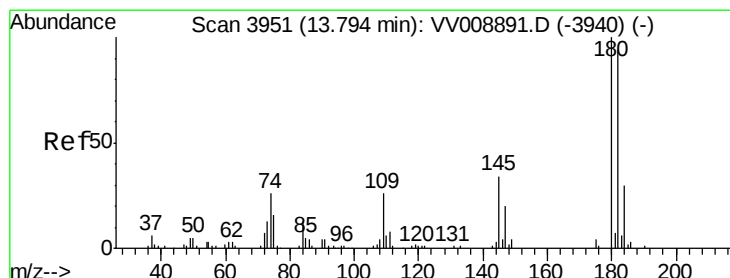
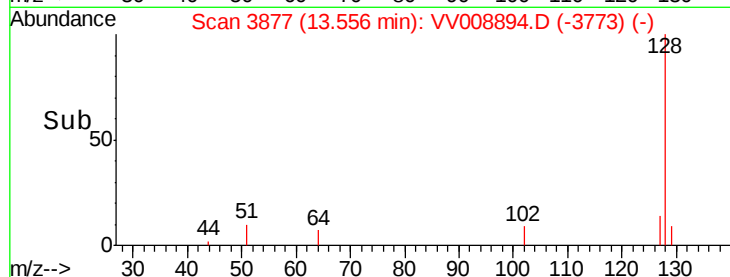
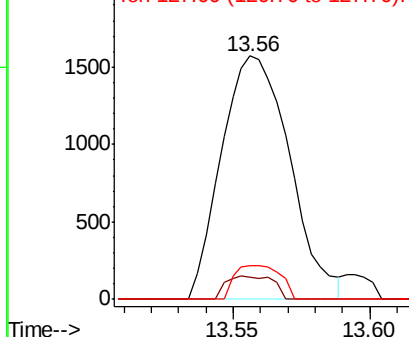
Tot Ion:	128	Resp:	2731
Ion	Ratio	Lower	Upper
128	100		
129	4.8	8.6	13.0#
127	9.3	10.0	15.0#

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



#70

1,2,3-Trichlorobenzene

Concen: 0.802 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV008894.D

Acq: 11 Dec 2018 12:40

Tgt Ion:	180	Resp:	1763
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
145	35.2	26.7	40.1

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

