

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110619\
 Data File : VV013498.D
 Acq On : 06 Nov 2019 15:07
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0G/5mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 10:49:33 AM

Quant Time: Nov 07 02:58:29 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Nov 07 01:53:11 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1005761	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	952127	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	445486	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	316696	53.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.54%
7) Chloroethane-d5	1.58	69	260024	54.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.48%
11) 1,1-Dichloroethene-d2	2.13	63	429240	41.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.34%
21) 2-Butanone-d5	3.91	46	519864	119.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.38%
24) Chloroform-d	4.39	84	671137	52.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.98%
26) 1,2-Dichloroethane-d4	5.07	65	458028	54.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.80%
32) Benzene-d6	5.09	84	1424203	56.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.16%
36) 1,2-Dichloropropane-d6	6.11	67	459004	55.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.44%
41) Toluene-d8	7.35	98	1294442	55.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.80%
43) trans-1,3-Dichloropropene-	7.66	79	208771	55.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.30%
47) 2-Hexanone-d5	8.12	63	328774	110.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.02%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	540977	52.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.54%
64) 1,2-Dichlorobenzene-d4	11.67	152	519163	58.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	21283	2.543 ug/L	95
3) Chloromethane	1.25	50	21301	2.679 ug/L	98
5) Vinyl chloride	1.32	62	19962m	2.687 ug/L	
6) Bromomethane	1.53	94	8995	2.524 ug/L	93
8) Chloroethane	1.60	64	10692	2.568 ug/L	98
9) Trichlorofluoromethane	1.77	101	26461	2.683 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	19200	3.457 ug/L #	82
12) 1,1-Dichloroethene	2.14	96	17875m	3.371 ug/L	
13) Acetone	2.18	43	21958	5.403 ug/L	98
14) Carbon disulfide	2.32	76	52809	2.846 ug/L	99
15) Methyl Acetate	2.46	43	16390	2.211 ug/L	97
16) Methylene chloride	2.53	84	19802	2.760 ug/L	94
17) trans-1,2-Dichloroethene	2.79	96	17663	2.675 ug/L	94
18) Methyl tert-butyl Ether	2.80	73	47031	2.336 ug/L	99
19) 1,1-Dichloroethane	3.23	63	30769	2.444 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	18926m	2.626 ug/L	
22) 2-Butanone	4.03	43	26961m	5.008 ug/L	

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 Response via : Initial Calibration

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

23) Bromochloromethane	4.30	128	8134	2.135	ug/L #	97
25) Chloroform	4.42	83	57766	4.460	ug/L	100
27) 1,2-Dichloroethane	5.18	62	25657	2.585	ug/L	99
29) Cyclohexane	4.72	56	25633	2.343	ug/L	94
30) 1,1,1-Trichloroethane	4.66	97	25475	2.404	ug/L	98
31) Carbon tetrachloride	4.87	117	23087	2.443	ug/L	97
33) Benzene	5.14	78	68970	2.551	ug/L	100
34) Trichloroethene	5.96	95	19376	2.697	ug/L	95
35) Methylcyclohexane	6.17	83	25424	2.296	ug/L	93
37) 1,2-Dichloropropane	6.22	63	17822	2.505	ug/L	97
38) Bromodichloromethane	6.55	83	22341	2.387	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	26411	2.443	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	38847	4.235	ug/L	97
42) Toluene	7.43	91	72933	2.589	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	25333	2.693	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	16354	2.454	ug/L	97
46) Tetrachloroethene	8.02	164	16553	2.700	ug/L	98
48) 2-Hexanone	8.18	43	61854	8.539	ug/L #	96
49) Dibromochloromethane	8.28	129	18088	2.361	ug/L	92
50) 1,2-Dibromoethane	8.39	107	18097	2.588	ug/L	97
51) Chlorobenzene	8.92	112	50227	2.682	ug/L	96
52) Ethylbenzene	9.05	91	74980	2.453	ug/L	97
53) m,p-Xylene	9.18	106	27938	2.408	ug/L	88
54) o-xylene	9.58	106	24660	2.216	ug/L	100
55) Styrene	9.60	104	39712	2.064	ug/L	99
56) Isopropylbenzene	9.97	105	62134	2.126	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.28	83	28672	2.850	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	19732	2.355	ug/L	96
61) Bromoform	9.77	173	12093	2.315	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	37284	2.761	ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	40988	2.931	ug/L	96
65) 1,2-Dichlorobenzene	11.68	146	39203	2.899	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.47	75	4756	2.550	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	29890	2.834	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	25486	2.758	ug/L	96
69) Naphthalene	13.55	128	55291	2.239	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	25657	2.614	ug/L	98

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

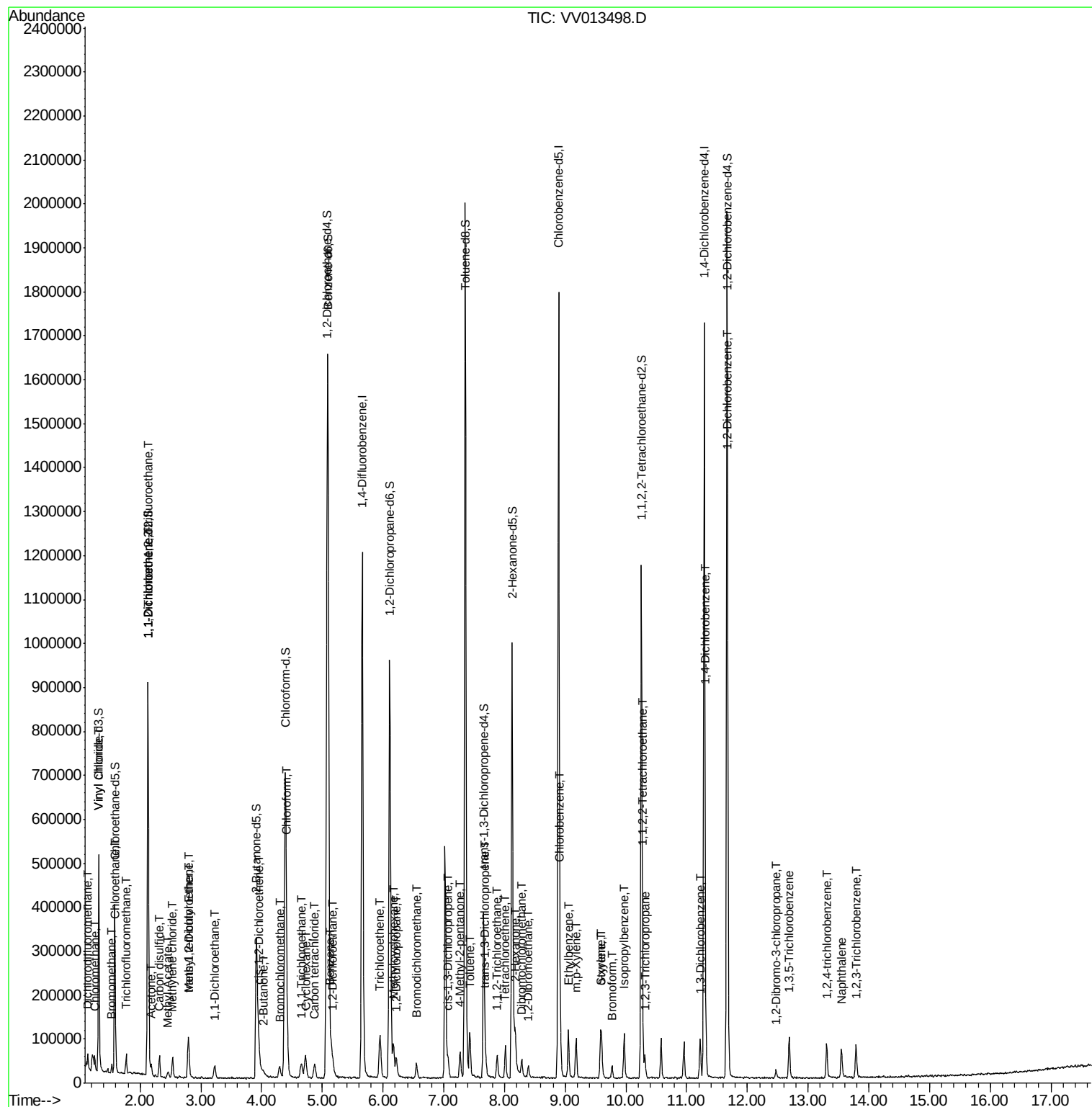
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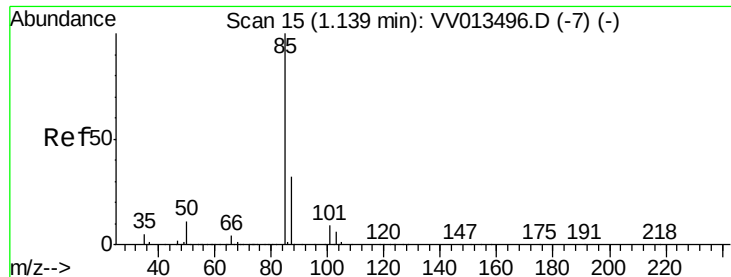
Instrument :
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ClientSampleId :
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#2

Dichlorodifluoromethane

Concen: 2.543 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion: 85 Resp: 21283

Ion Ratio Lower Upper

85 100

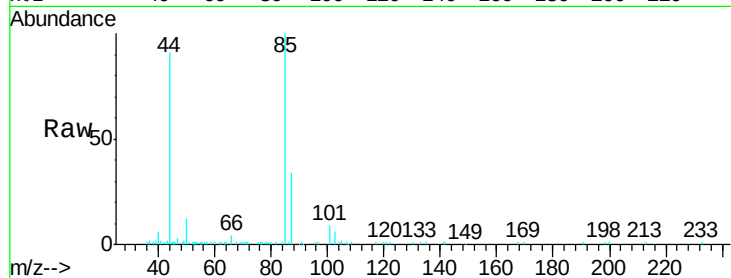
87 34.3 25.4 38.0

Manual Integrations

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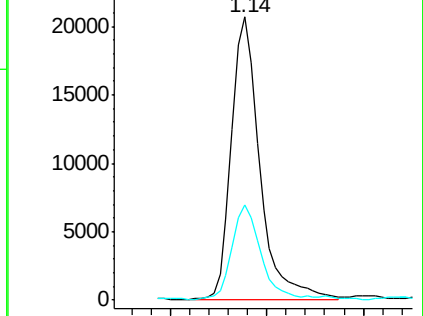
MMDadoda

11/7/2019 10:49:33 AM

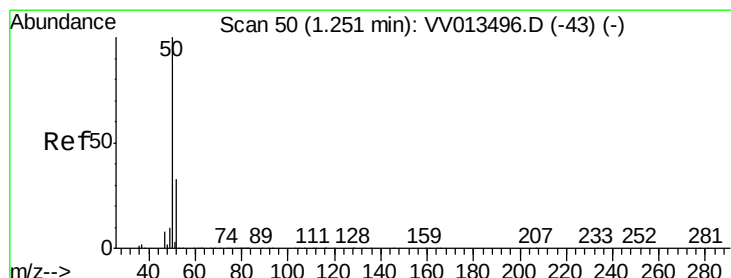
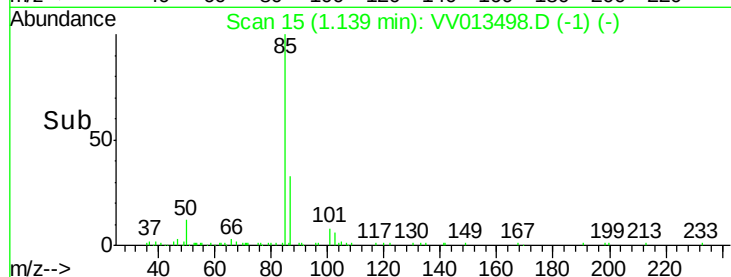


Abundance Ion 85.00 (84.70 to 85.70): VV013498.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV013498.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 2.679 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013498.D

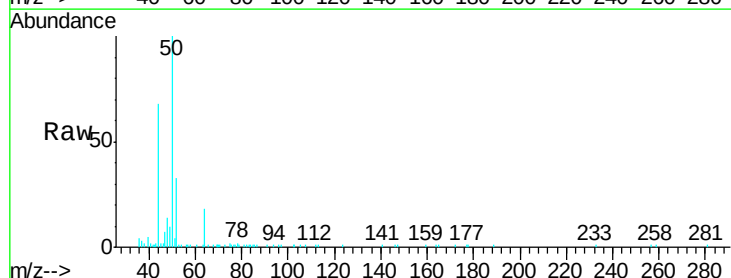
Acq: 06 Nov 2019 15:07

Tgt Ion: 50 Resp: 21301

Ion Ratio Lower Upper

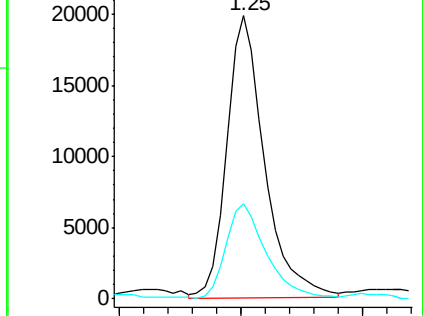
50 100

52 33.5 22.5 41.9

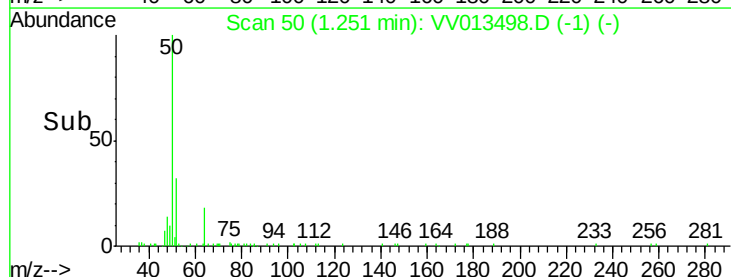


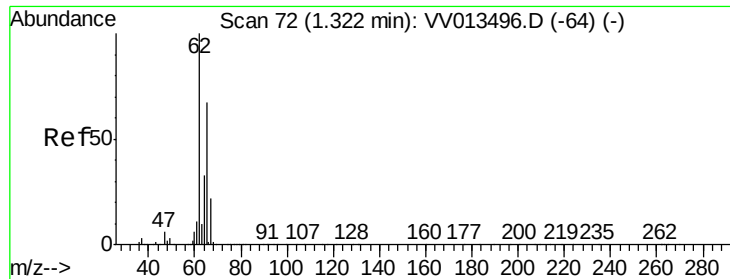
Abundance Ion 50.00 (49.70 to 50.70): VV013498.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV013498.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 2.687 ug/L m

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion: 62 Resp: 19962

Ion Ratio Lower Upper

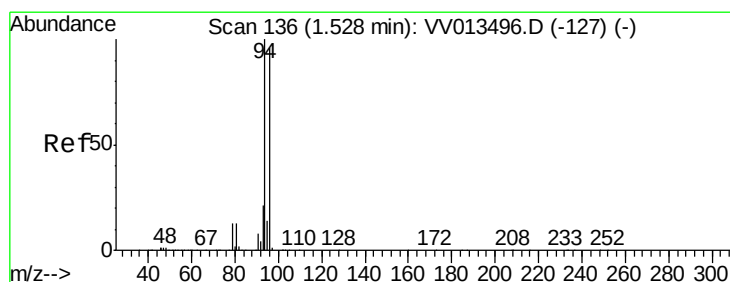
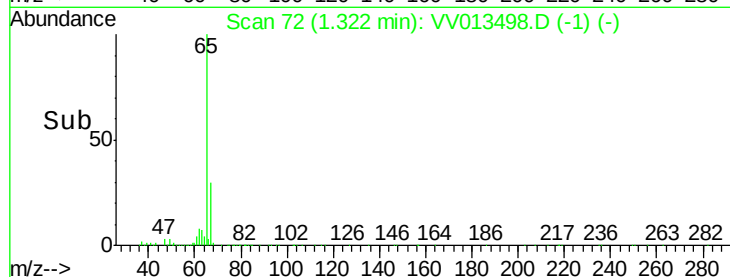
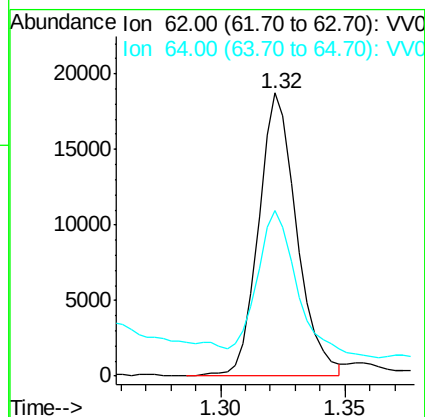
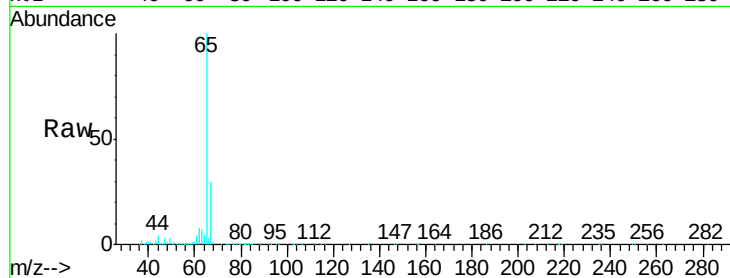
62 100

64 58.4 23.1 42.9#

Manual Integrations
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#6

Bromomethane

Concen: 2.524 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013498.D

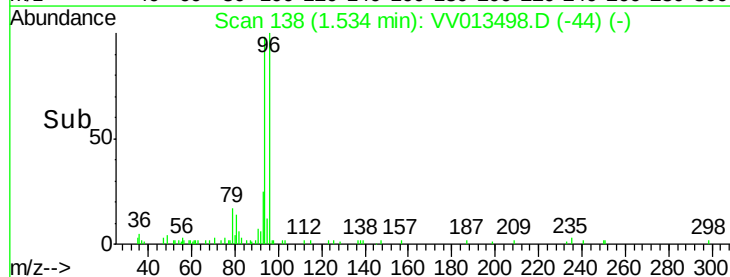
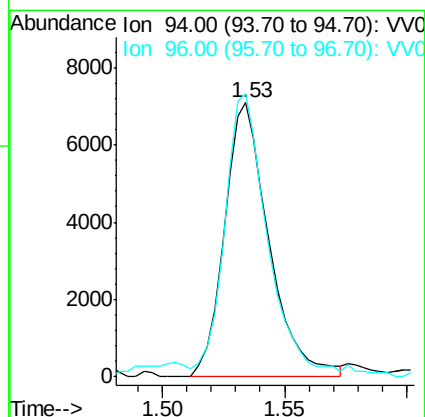
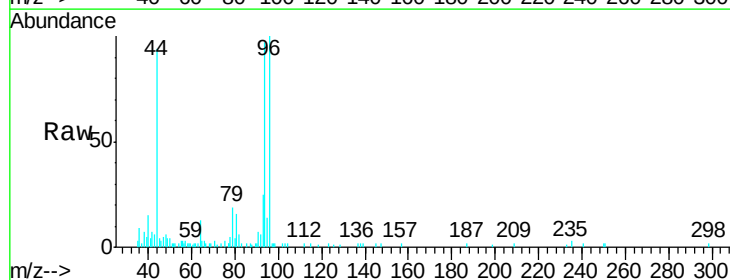
Acq: 06 Nov 2019 15:07

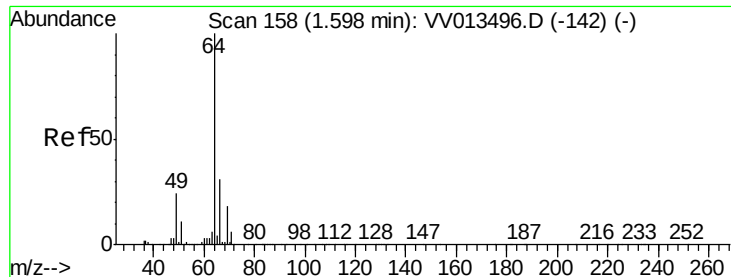
Tgt Ion: 94 Resp: 8995

Ion Ratio Lower Upper

94 100

96 103.3 67.4 125.2





#8

Chloroethane

Concen: 2.568 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tgt Ion: 64 Resp: 10692

Ion Ratio Lower Upper

64 100

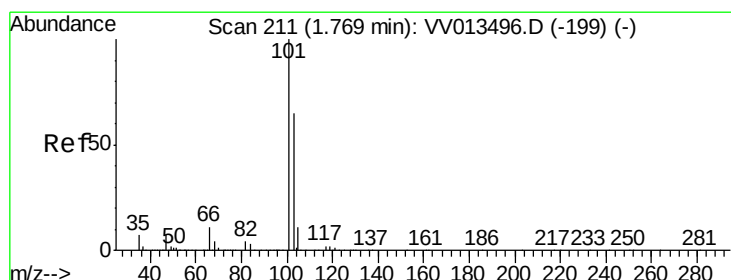
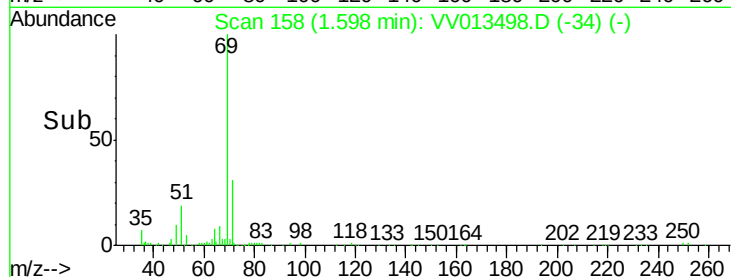
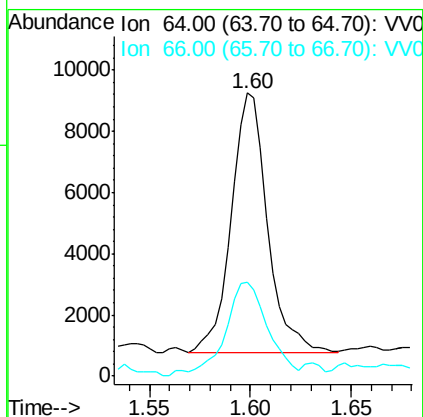
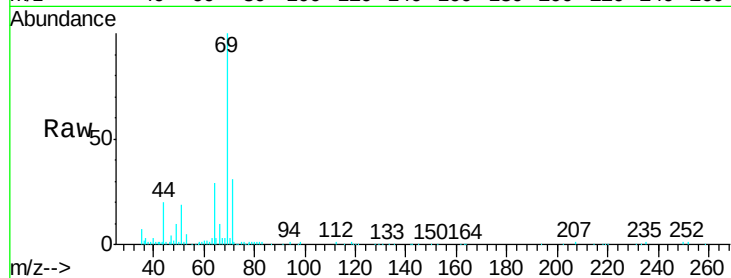
66 33.3 22.5 41.9

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.683 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV013498.D

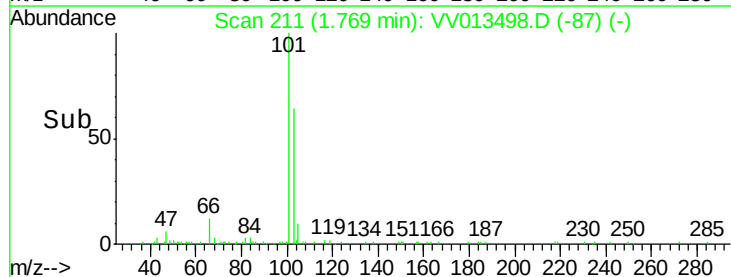
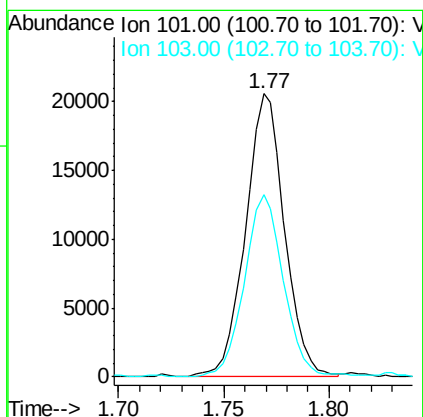
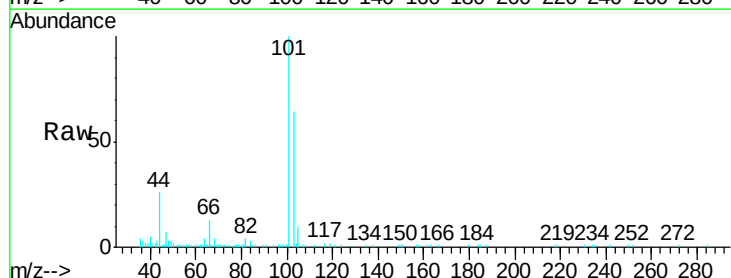
Acq: 06 Nov 2019 15:07

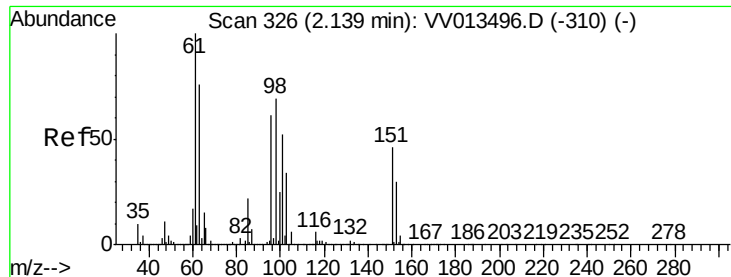
Tgt Ion: 101 Resp: 26461

Ion Ratio Lower Upper

101 100

103 64.9 52.5 78.7





#10

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

Concen: 3.457 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

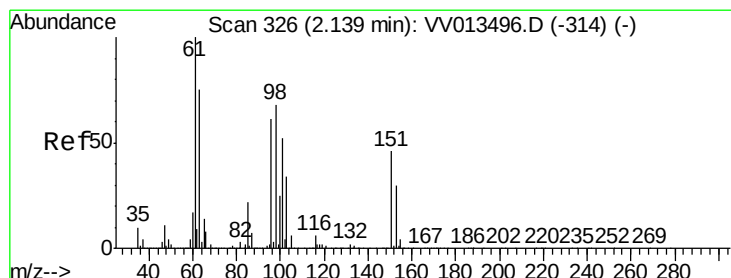
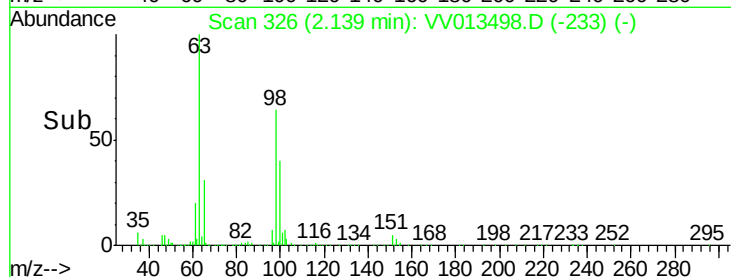
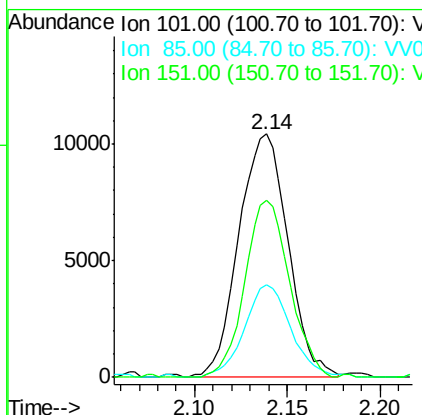
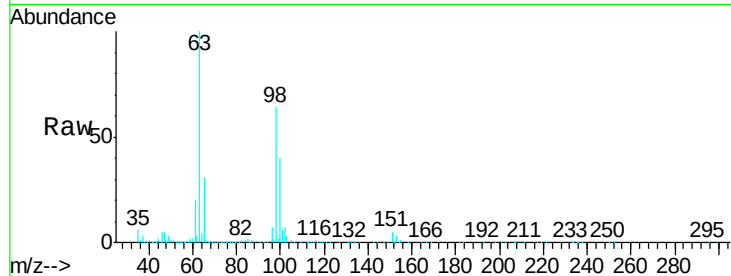
ClientSampled :

MDL01

Tgt Ion:	101	Resp:	19200
Ion Ratio	Lower	Upper	
101	100		
85	35.7	33.3	49.9
151	66.0	69.5	104.3#

Manual Integrations
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11/7/2019 10:49:33 AM



#12

1,1-Dichloroethene

Concen: 3.371 ug/L m

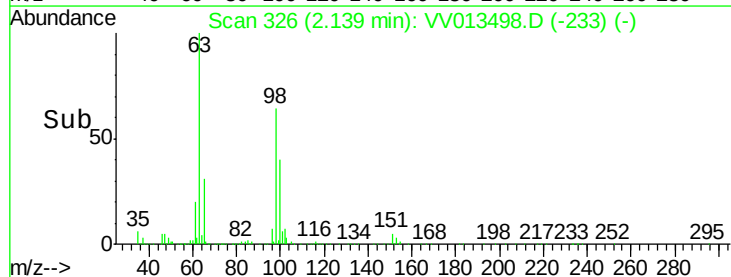
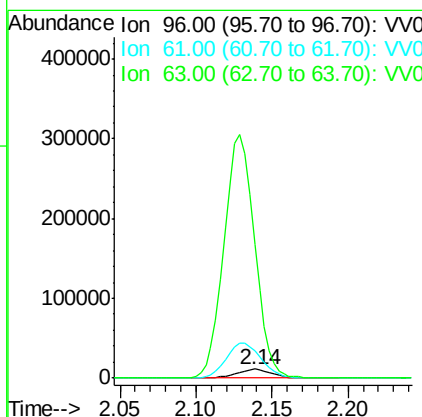
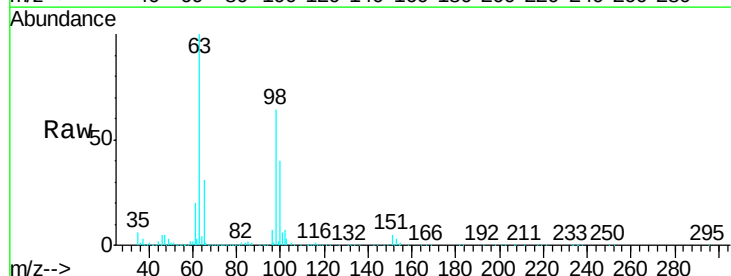
RT: 2.14 min Scan# 326

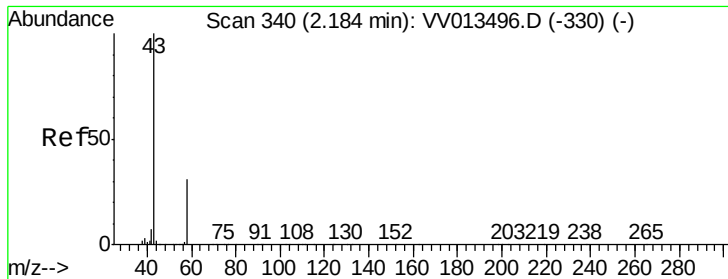
Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Tgt Ion:	96	Resp:	17875
Ion Ratio	Lower	Upper	
96	100		
61	303.8	116.9	217.1#
63	1508.4	91.5	169.9#





#13

Acetone

Concen: 5.403 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion: 43 Resp: 21958

Ion Ratio Lower Upper

43 100

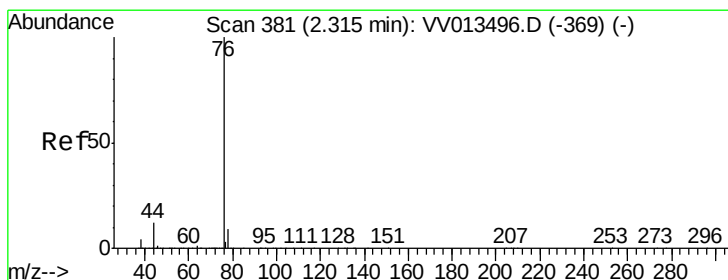
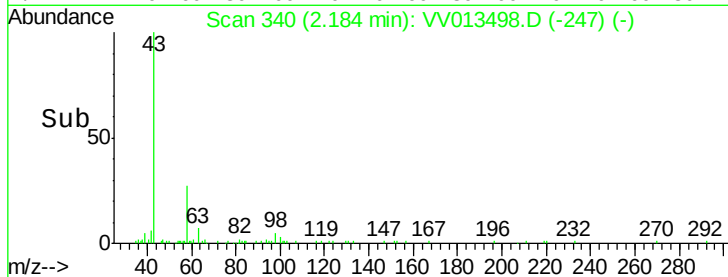
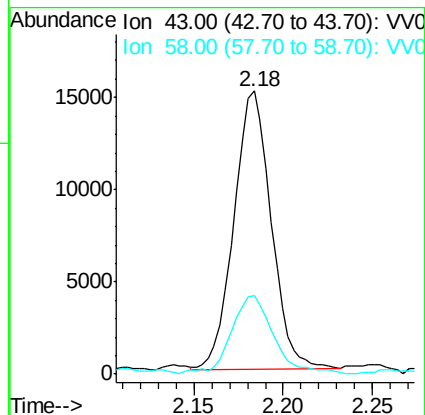
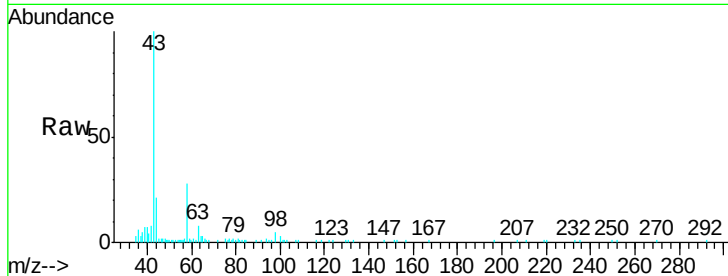
58 31.7 0.0 65.2

Manual Integrations

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11/7/2019 10:49:33 AM



#14

Carbon disulfide

Concen: 2.846 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV013498.D

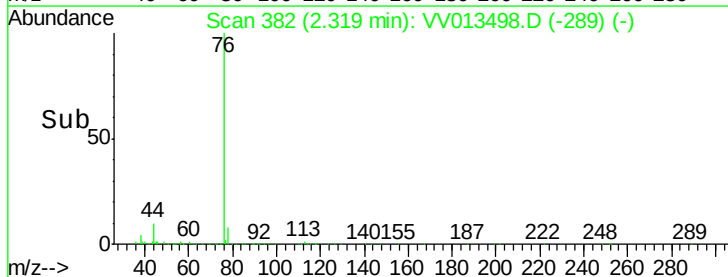
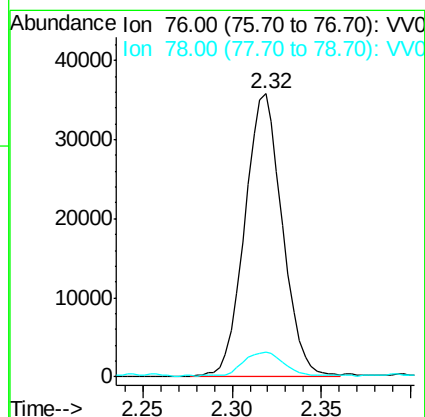
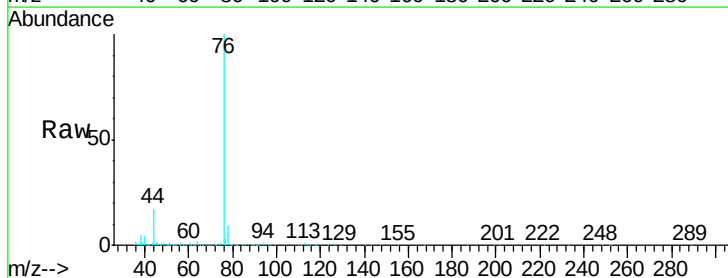
Acq: 06 Nov 2019 15:07

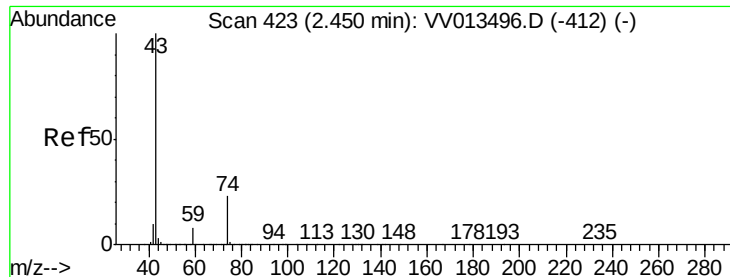
Tgt Ion: 76 Resp: 52809

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9





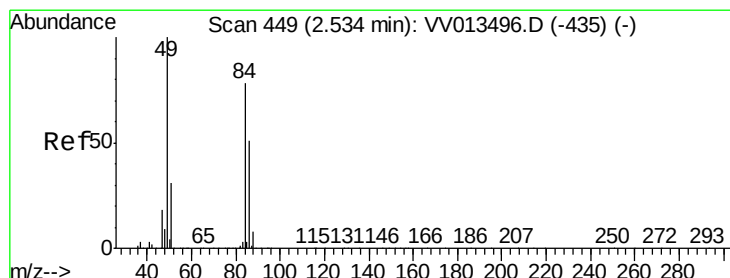
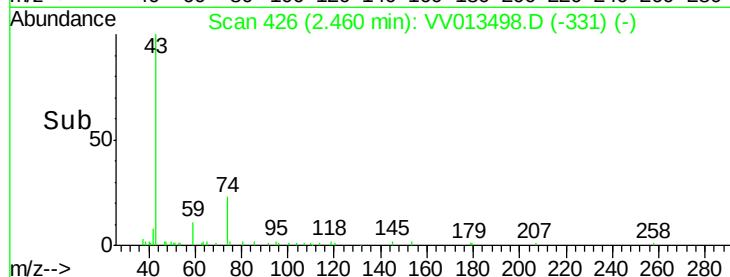
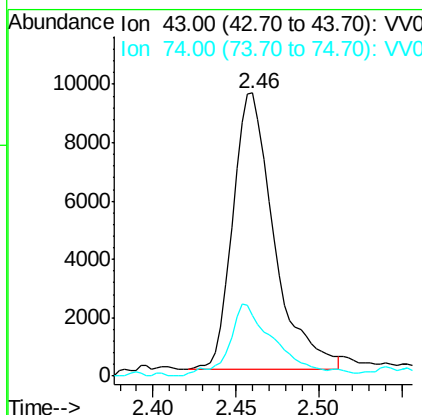
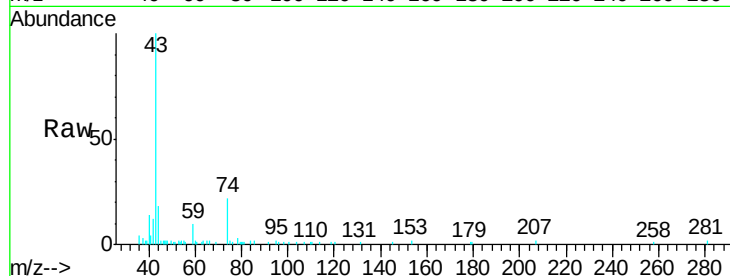
#15
Methyl Acetate
Concen: 2.211 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV013498.D
Acq: 06 Nov 2019 15:07

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tgt Ion: 43 Resp: 16390
Ion Ratio Lower Upper
43 100
74 23.3 17.7 26.5

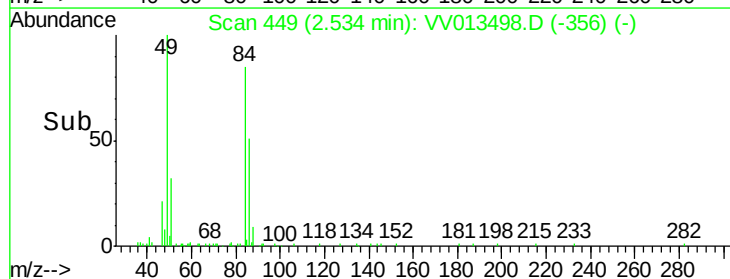
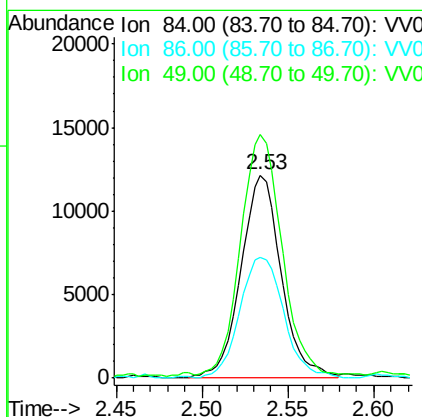
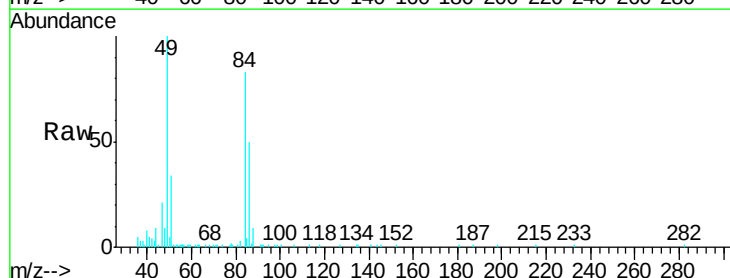
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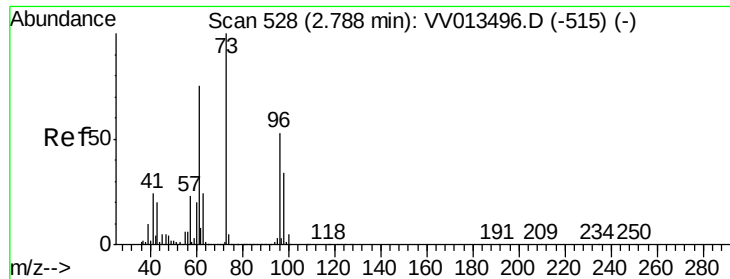
MMDadoda
11/7/2019 10:49:33 AM



#16
Methylene chloride
Concen: 2.760 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013498.D
Acq: 06 Nov 2019 15:07

Tgt Ion: 84 Resp: 19802
Ion Ratio Lower Upper
84 100
86 59.6 44.7 83.1
49 119.9 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 2.675 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

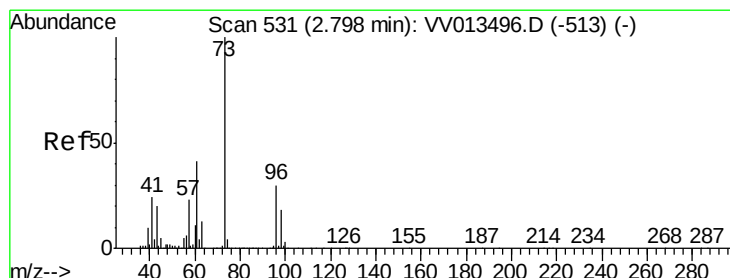
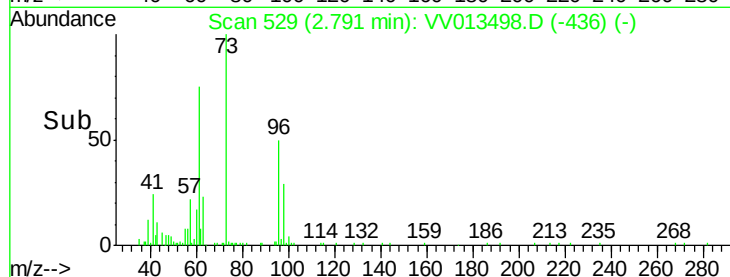
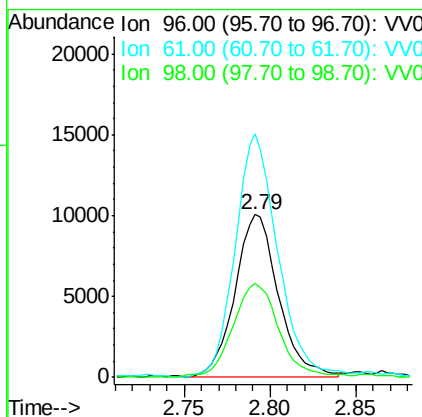
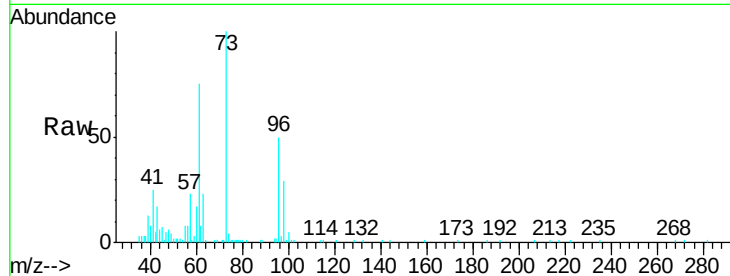
ClientSampleId :

MDL01

Tgt Ion:	96	Resp:	17663
Ion	Ratio	Lower	Upper
96	100		
61	149.9	100.4	186.6
98	57.5	44.7	83.1

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#18

Methyl tert-butyl Ether

Concen: 2.336 ug/L

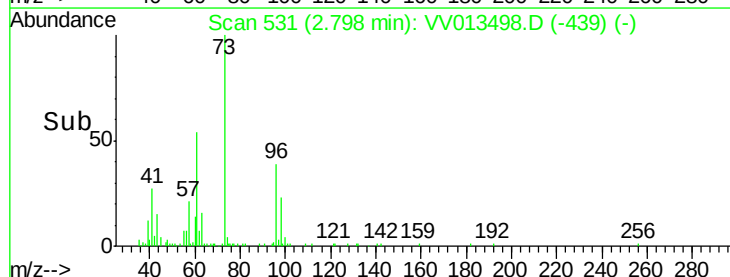
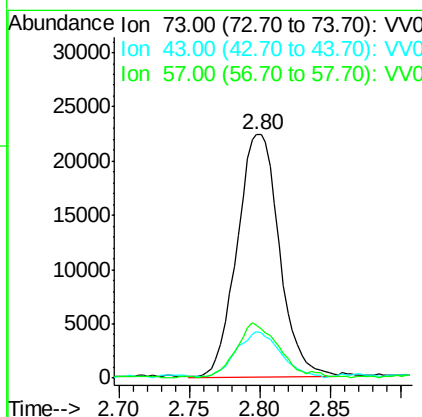
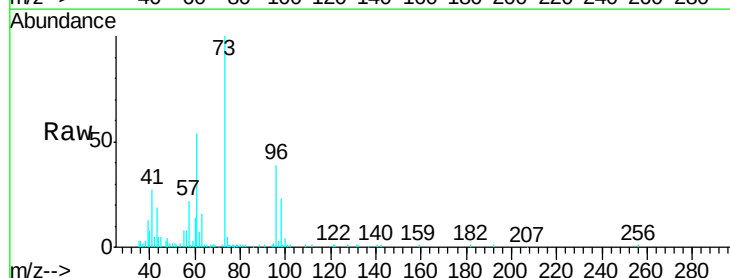
RT: 2.80 min Scan# 531

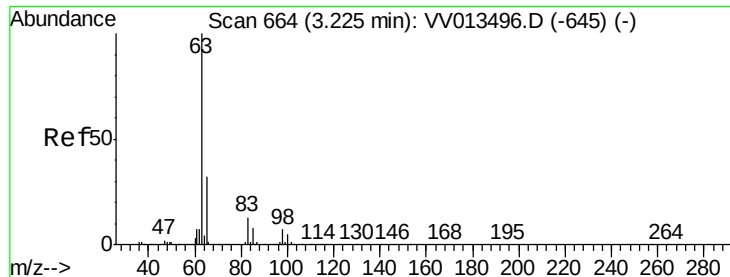
Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Tgt Ion:	73	Resp:	47031
Ion	Ratio	Lower	Upper
73	100		
43	20.4	15.7	23.5
57	22.4	18.1	27.1





#19

1,1-Dichloroethane

Concen: 2.444 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

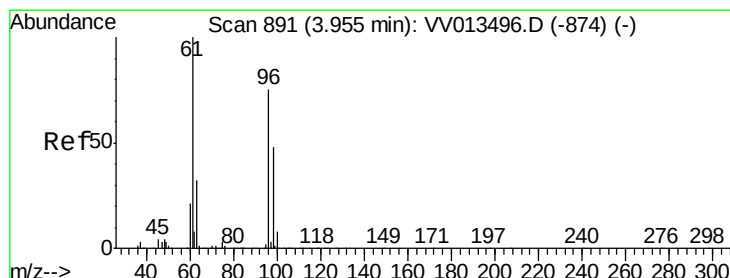
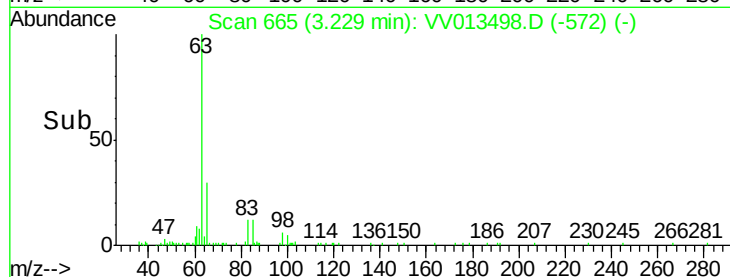
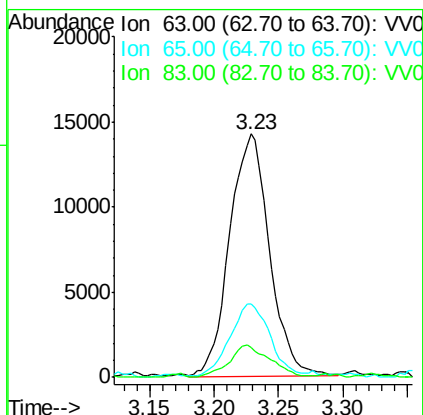
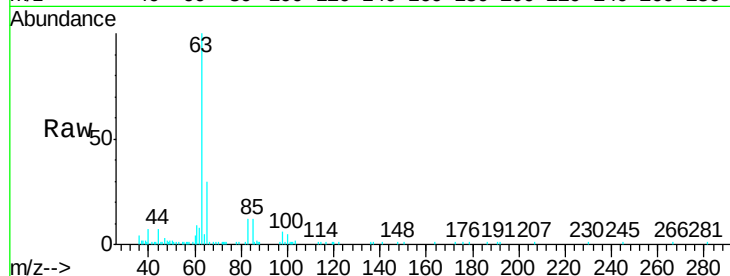
ClientSampleId :

MDL01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.2	22.2	41.2
83	12.3	8.9	16.5

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#20

cis-1,2-Dichloroethene

Concen: 2.626 ug/L m

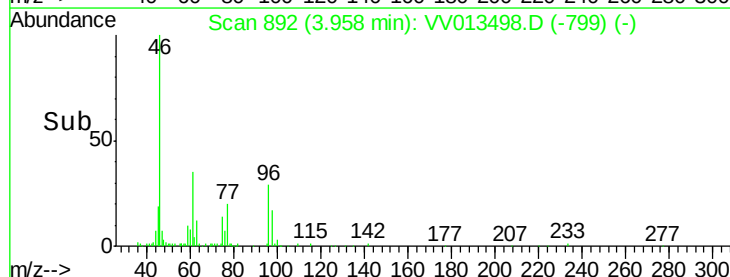
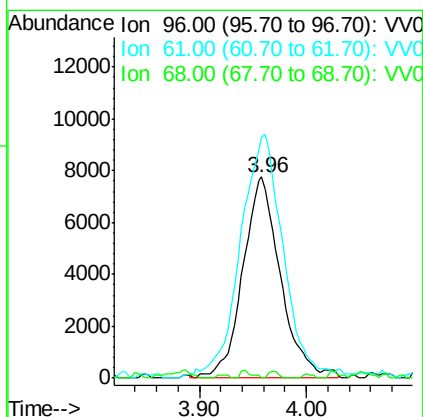
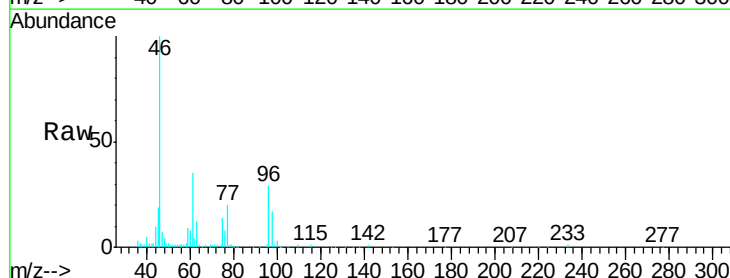
RT: 3.96 min Scan# 892

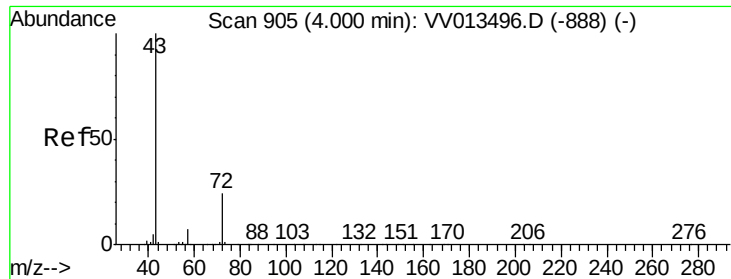
Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.9	92.1	171.1
68	1.5	0.0	0.0#





#22

2-Butanone

Concen: 5.008 ug/L m

RT: 4.03 min Scan# 913

Delta R.T. 0.02 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

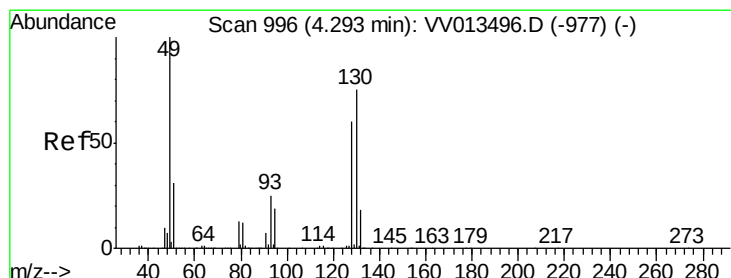
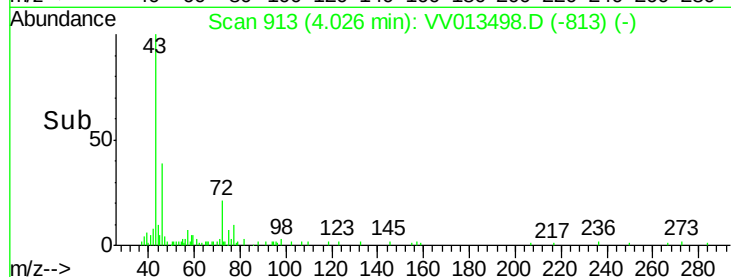
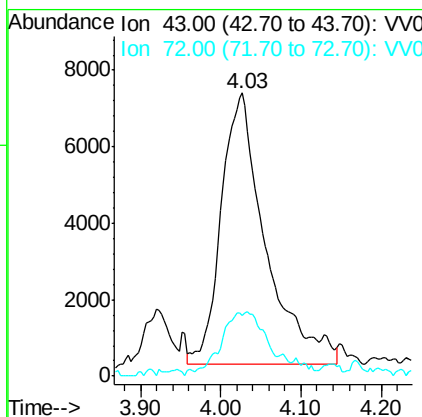
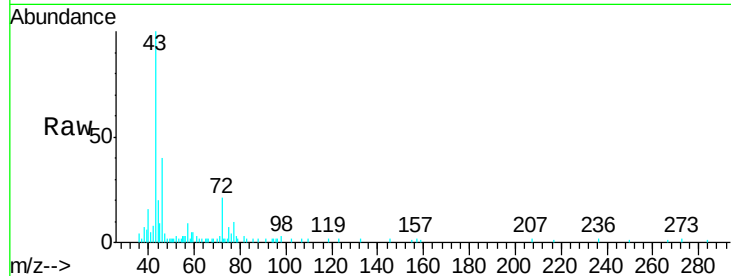
ClientSampleId :

MDL01

Tgt Ion: 43 Resp: 26961
 Ion Ratio Lower Upper
 43 100
 72 0.2 12.3 36.9#

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#23

Bromochloromethane

Concen: 2.135 ug/L

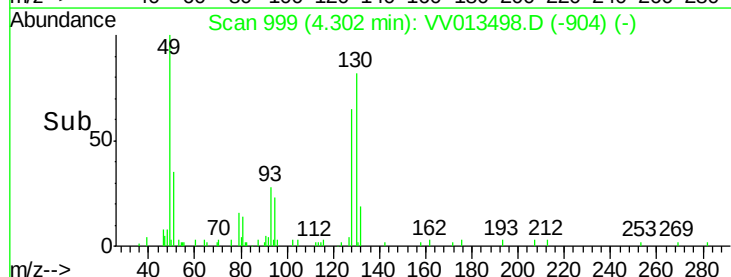
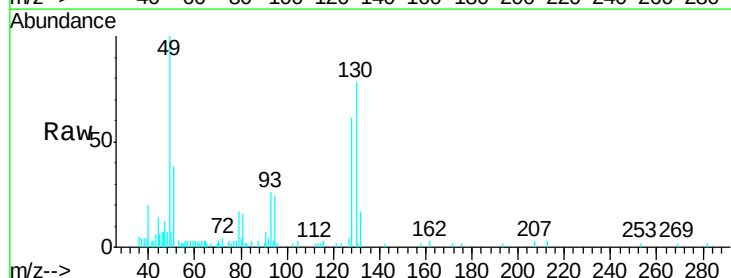
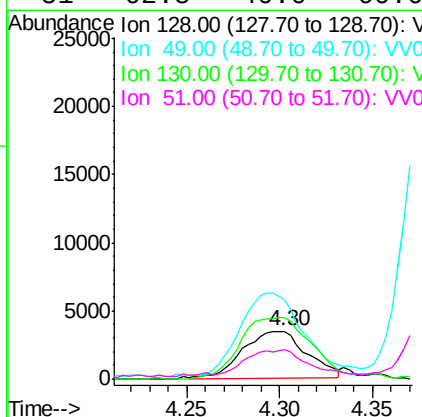
RT: 4.30 min Scan# 999

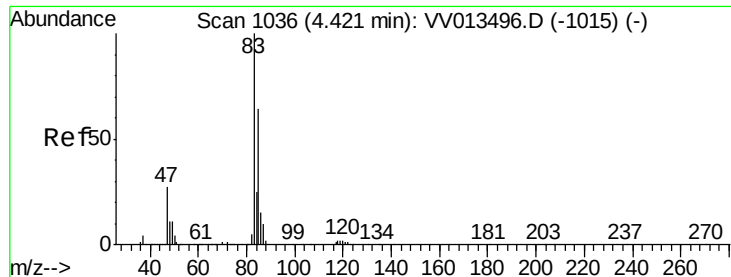
Delta R.T. 0.01 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Tgt Ion: 128 Resp: 8134
 Ion Ratio Lower Upper
 128 100
 49 164.3 115.8 215.2
 130 127.4 89.1 165.5
 51 62.5 40.0 60.0#





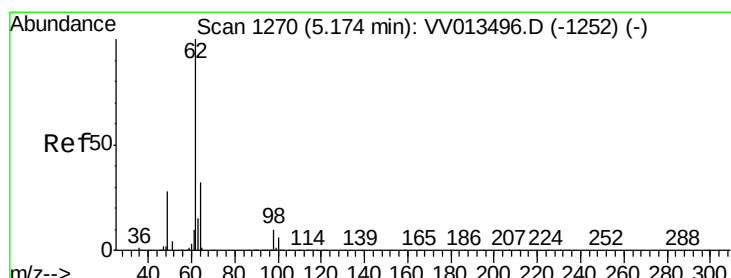
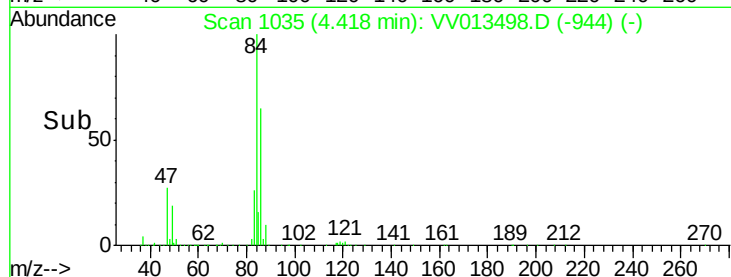
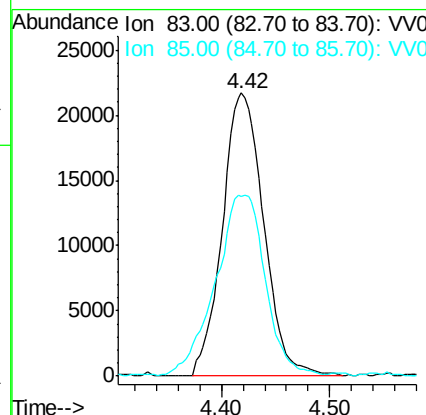
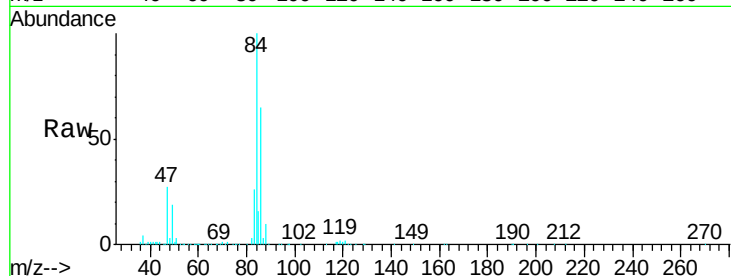
#25
Chloroform
Concen: 4.460 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VV013498.D
Acq: 06 Nov 2019 15:07

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	44.4	82.5

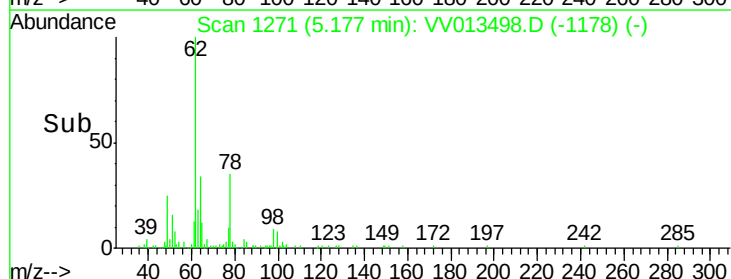
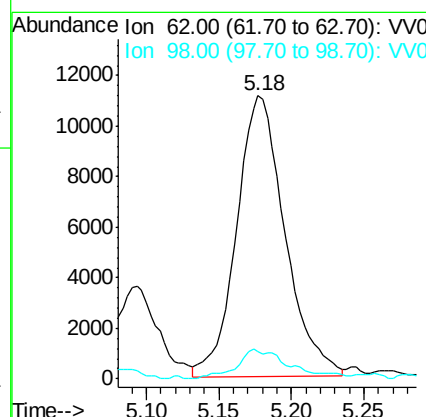
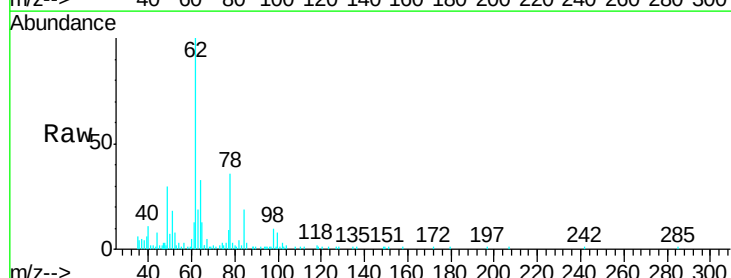
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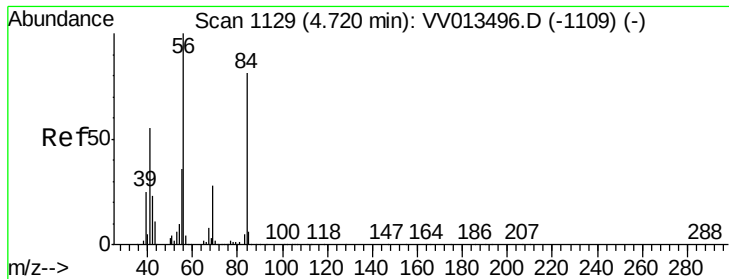
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#27
1,2-Dichloroethane
Concen: 2.585 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV013498.D
Acq: 06 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	8.2	12.4





#29

Cyclohexane

Concen: 2.343 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

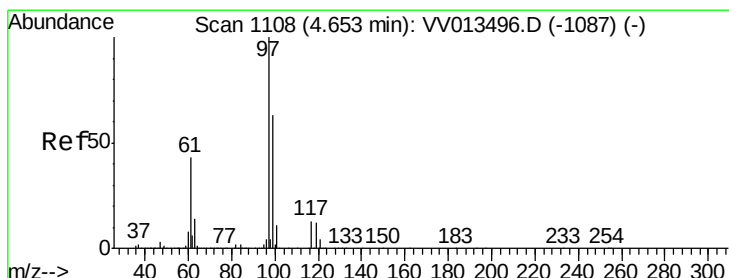
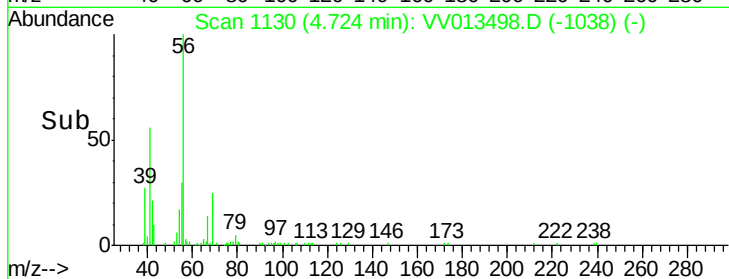
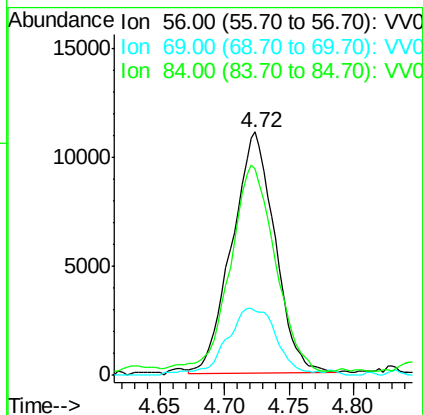
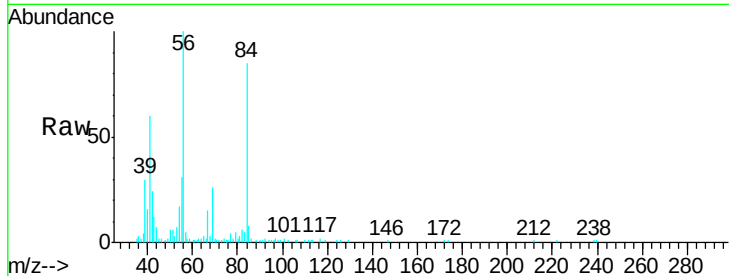
ClientSampleId :

MDL01

Tgt Ion:	56	Resp:	25633
Ion Ratio	Lower	Upper	
56	100		
69	31.7	23.7	35.5
84	89.5	66.3	99.5

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#30

1,1,1-Trichloroethane

Concen: 2.404 ug/L

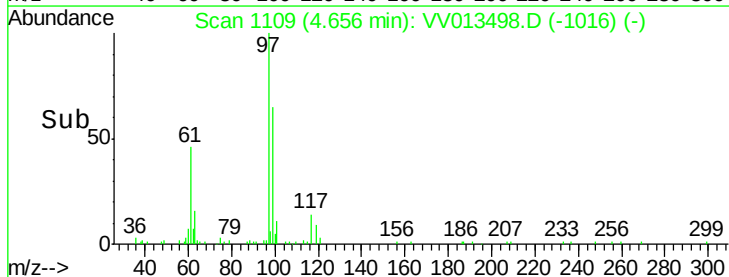
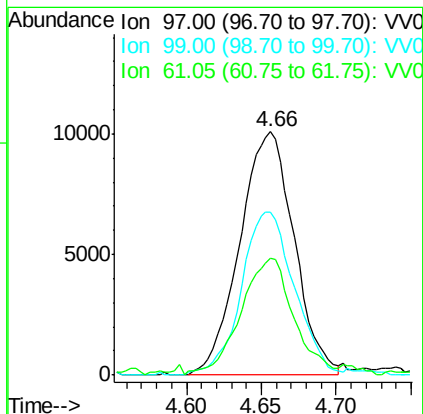
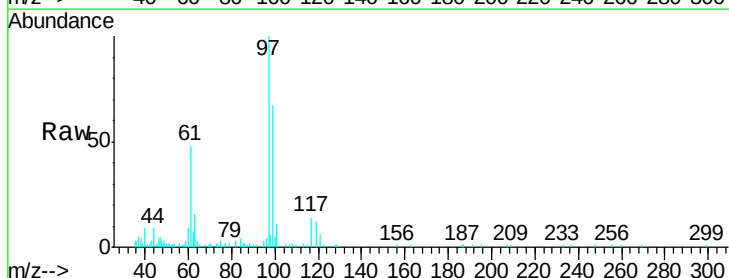
RT: 4.66 min Scan# 1109

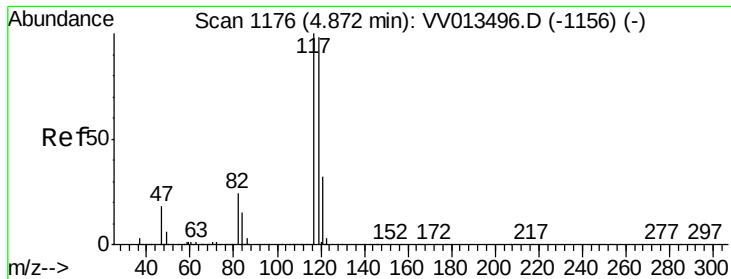
Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Tgt Ion:	97	Resp:	25475
Ion Ratio	Lower	Upper	
97	100		
99	65.5	52.0	78.0
61	46.8	35.8	53.8





#31

Carbon tetrachloride

Concen: 2.443 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tgt Ion:117 Resp: 23087

Ion Ratio Lower Upper

117 100

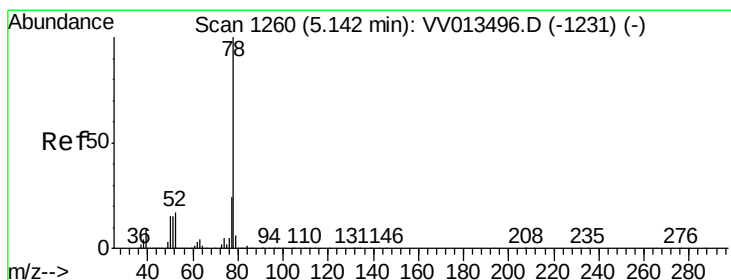
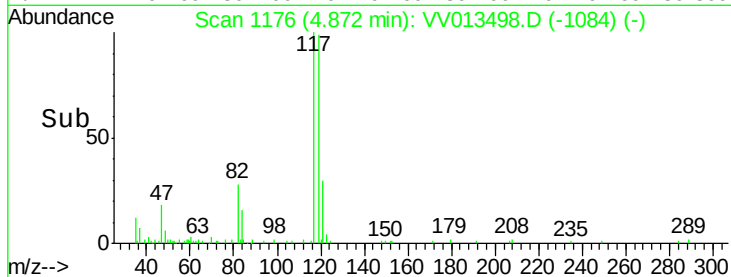
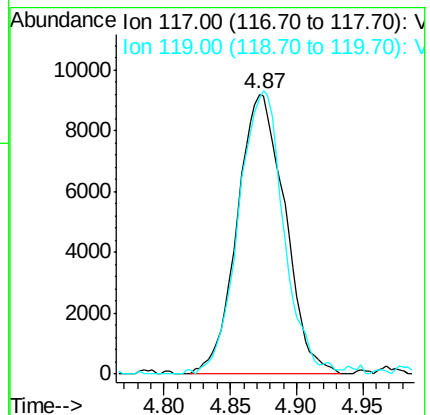
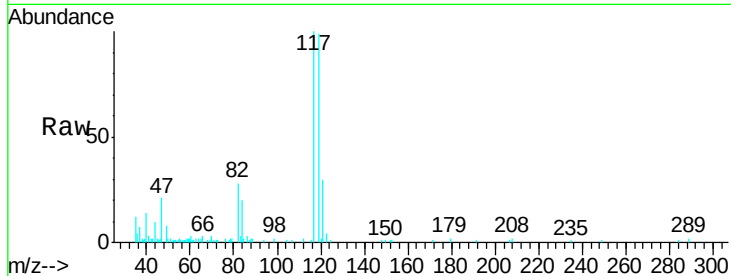
119 94.5 77.6 116.4

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#33

Benzene

Concen: 2.551 ug/L

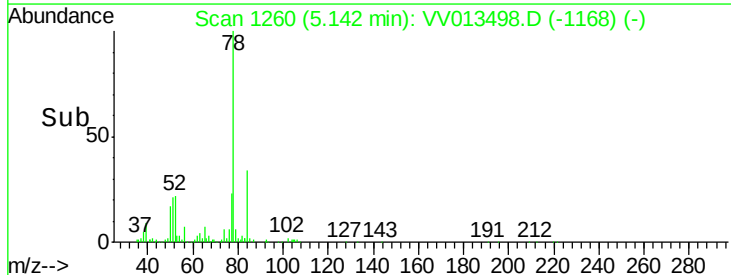
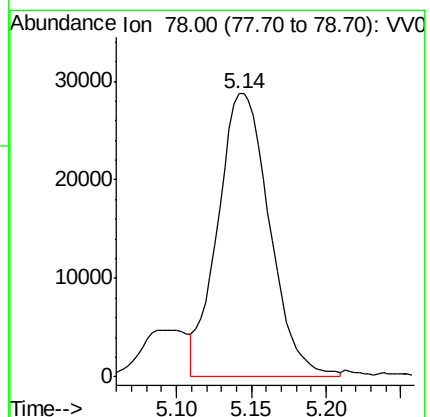
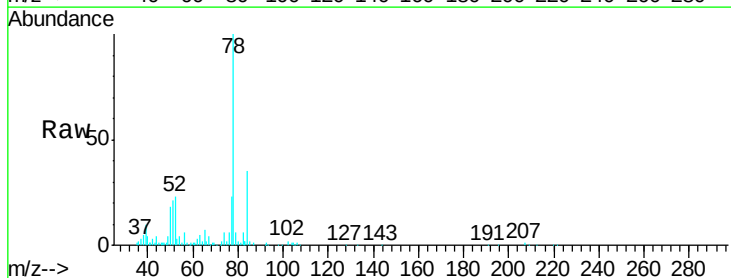
RT: 5.14 min Scan# 1260

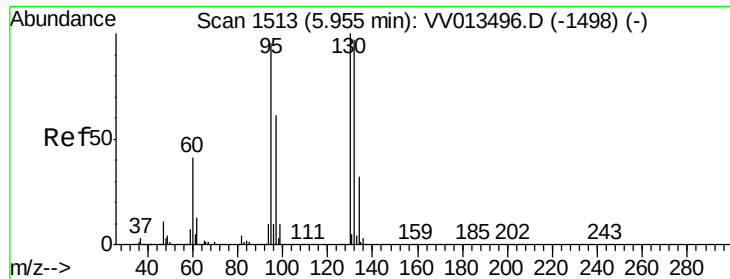
Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Tgt Ion: 78 Resp: 68970





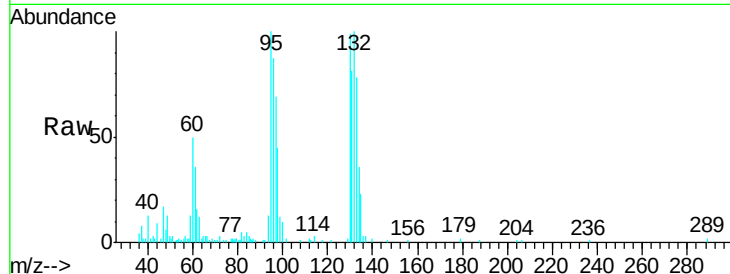
#34
 Trichloroethene
 Concen: 2.697 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV013498.D
 Acq: 06 Nov 2019 15:07

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

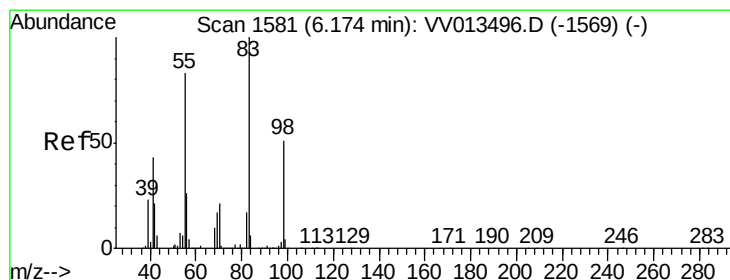
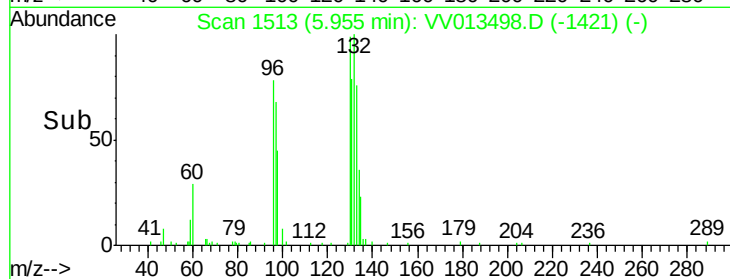
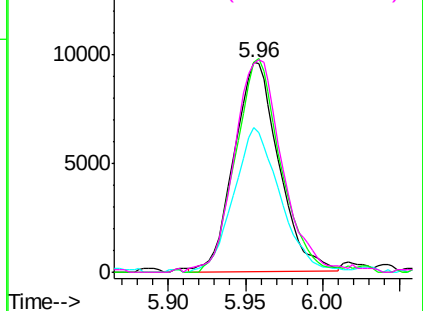
Tgt Ion	Ratio	Resp	Lower	Upper
95	100	19376		
97	68.9	45.1	83.7	
132	100.0	71.7	133.1	
130	99.4	73.8	137.2	

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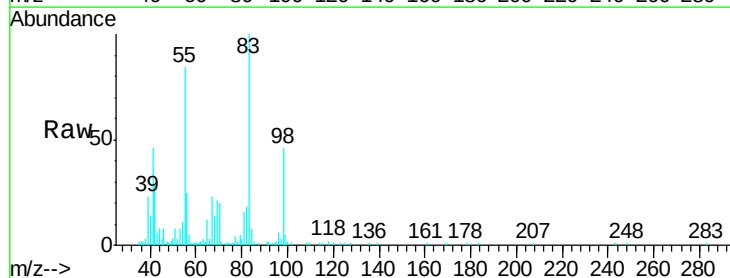


Abundance Ion 95.00 (94.70 to 95.70): VV013498.D (-1498) (-)
 Ion 97.00 (96.70 to 97.70): VV013498.D (-1498) (-)
 Ion 132.00 (131.70 to 132.70): VV013498.D (-1498) (-)
 Ion 130.00 (129.70 to 130.70): VV013498.D (-1498) (-)

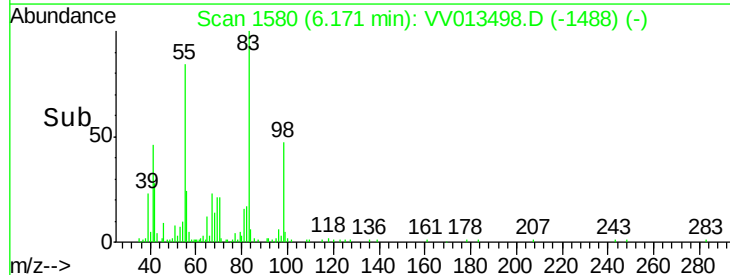
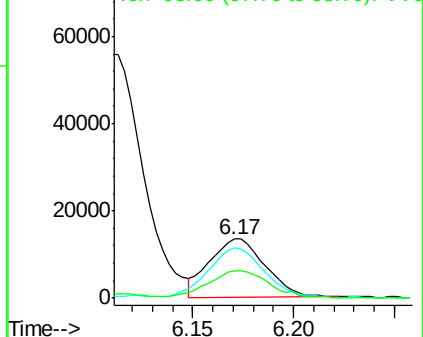


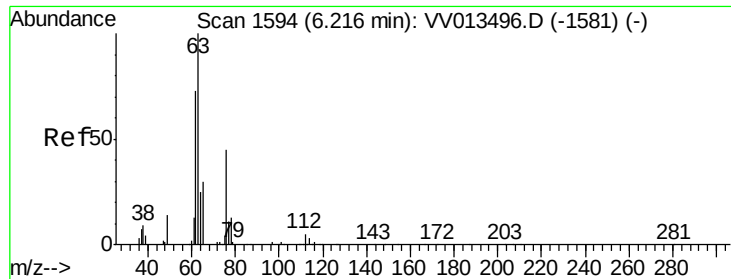
#35
 Methylcyclohexane
 Concen: 2.296 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV013498.D
 Acq: 06 Nov 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	25424		
55	87.8	63.4	95.0	
98	47.4	38.6	58.0	



Abundance Ion 83.00 (82.70 to 83.70): VV013498.D (-1569) (-)
 Ion 55.00 (54.70 to 55.70): VV013498.D (-1569) (-)
 Ion 98.00 (97.70 to 98.70): VV013498.D (-1569) (-)





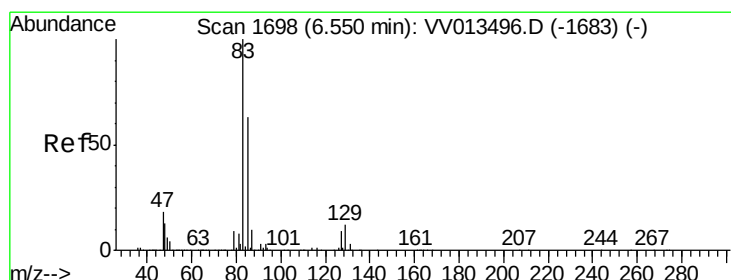
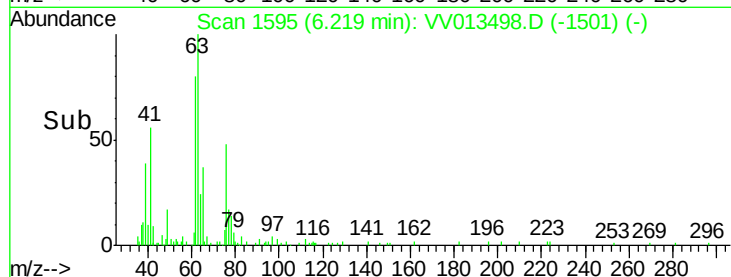
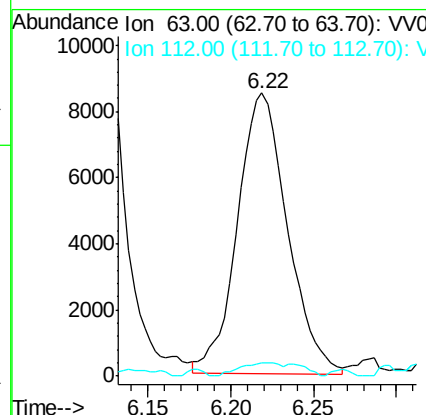
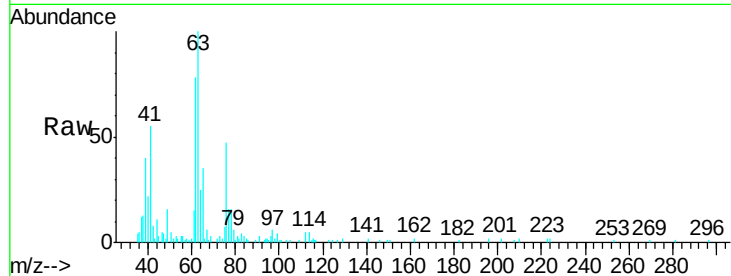
#37
 1,2-Dichloropropane
 Concen: 2.505 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013498.D
 Acq: 06 Nov 2019 15:07

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tgt Ion: 63 Resp: 17822
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.9 5.9

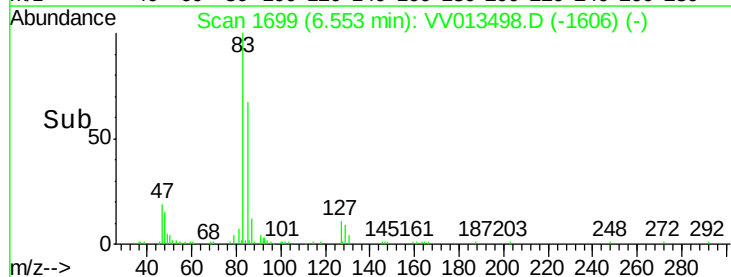
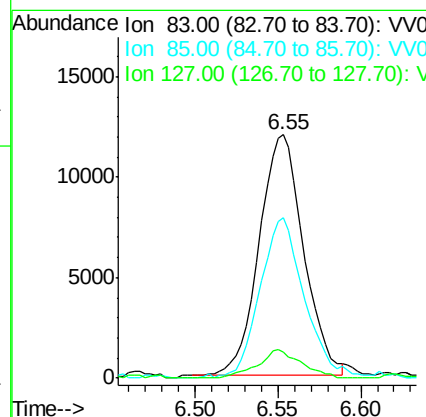
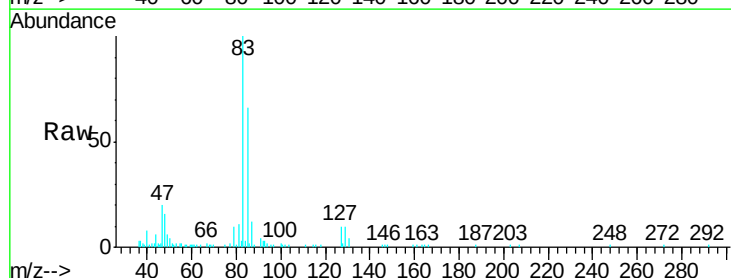
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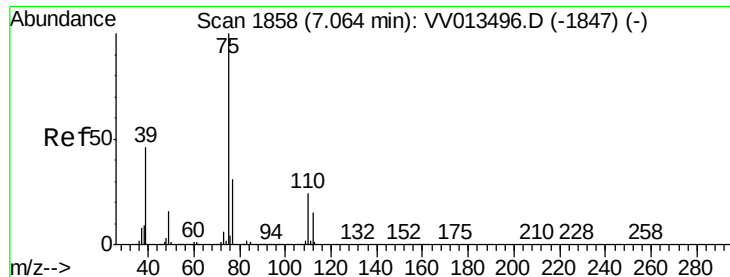
MMDadoda
 11/7/2019 10:49:33 AM



#38
 Bromodichloromethane
 Concen: 2.387 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV013498.D
 Acq: 06 Nov 2019 15:07

Tgt Ion: 83 Resp: 22341
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.8 83.2
 127 10.4 7.1 10.7





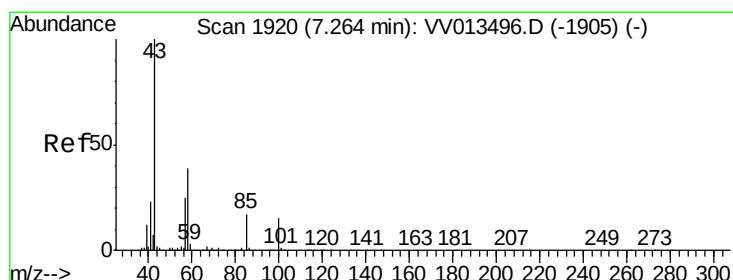
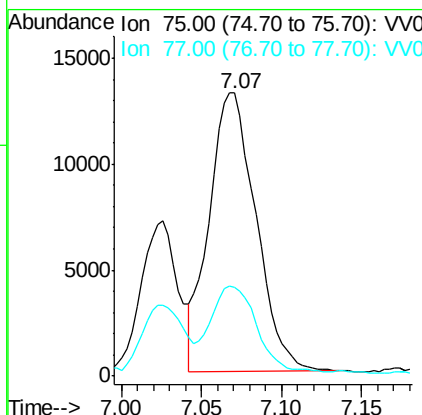
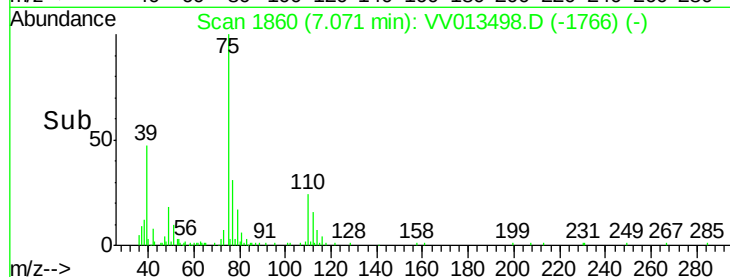
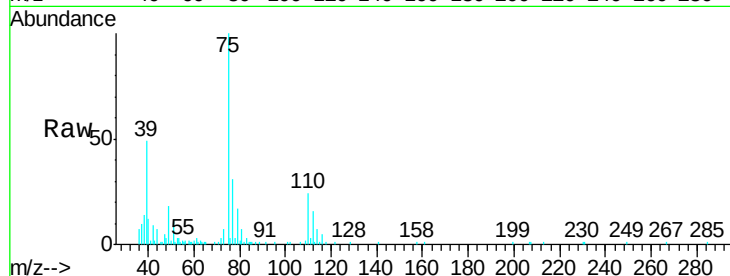
#39
 cis-1,3-Dichloropropene
 Concen: 2.443 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV013498.D
 Acq: 06 Nov 2019 15:07

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion: 75 Resp: 26411
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.0 40.8

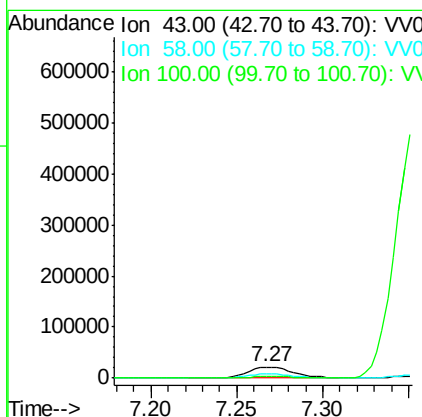
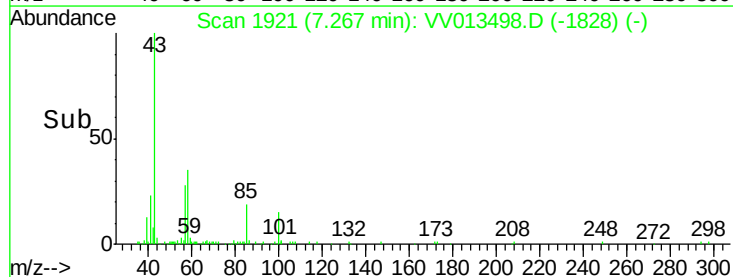
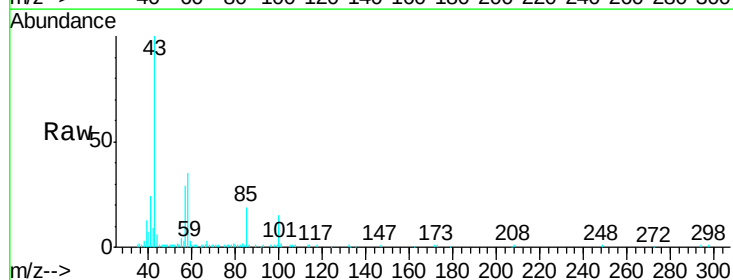
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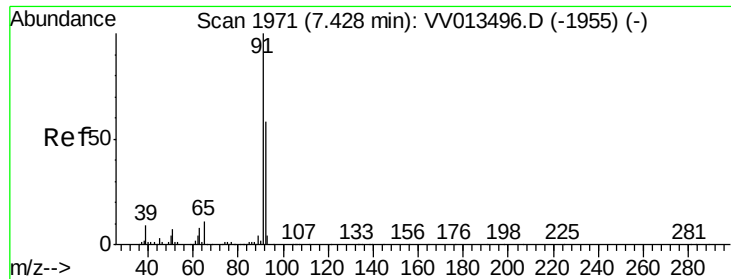
MMDadoda
 11/7/2019 10:49:33 AM



#40
 4-Methyl-2-pentanone
 Concen: 4.235 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VV013498.D
 Acq: 06 Nov 2019 15:07

Tgt Ion: 43 Resp: 38847
 Ion Ratio Lower Upper
 43 100
 58 37.0 31.0 46.4
 100 16.1 12.2 18.2





#42

Toluene

Concen: 2.589 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion: 91 Resp: 72933

Ion Ratio Lower Upper

91 100

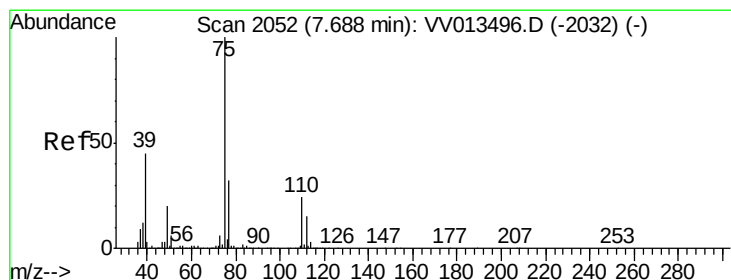
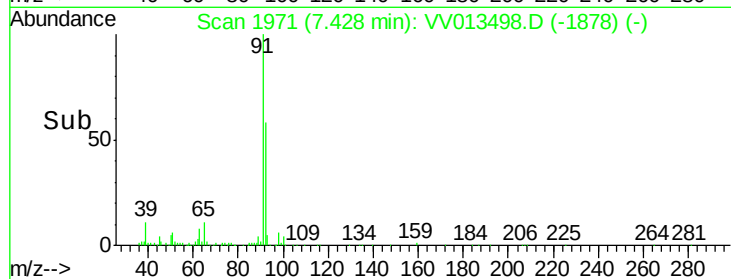
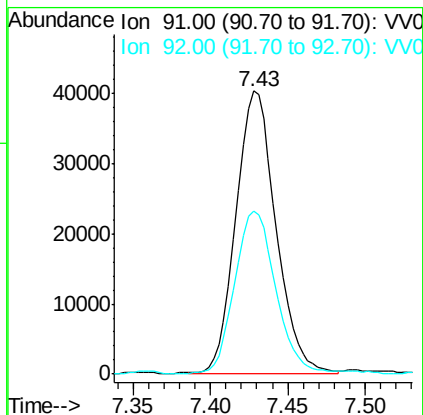
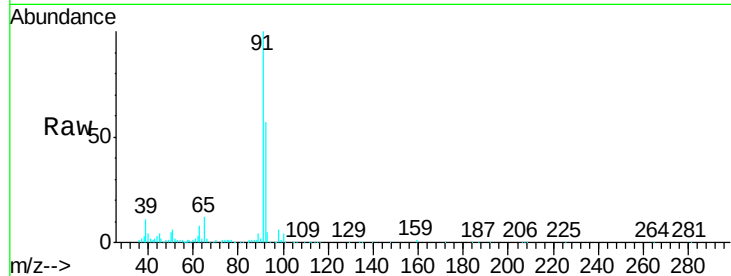
92 57.4 41.3 76.7

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#44

trans-1,3-Dichloropropene

Concen: 2.693 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013498.D

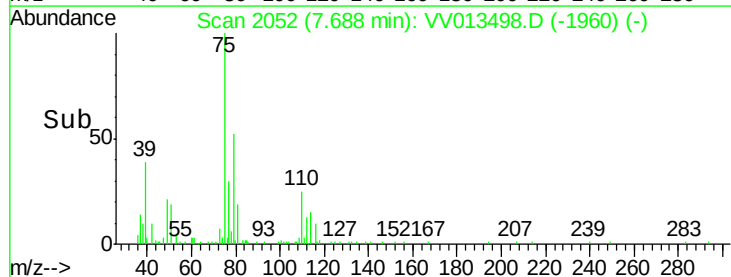
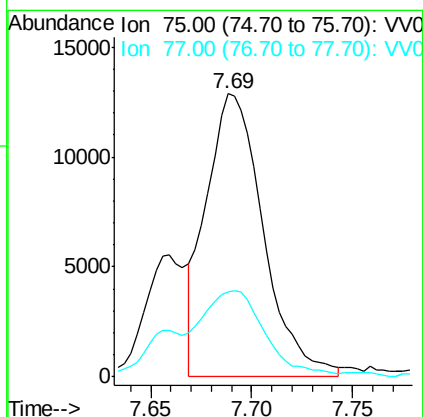
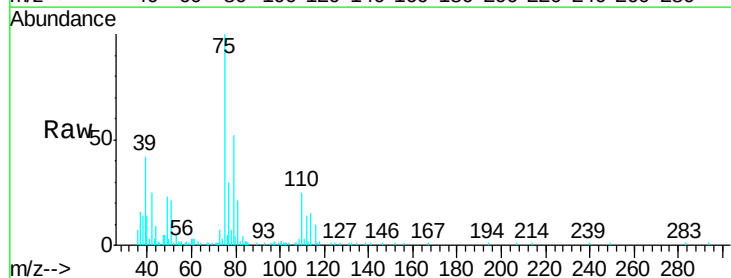
Acq: 06 Nov 2019 15:07

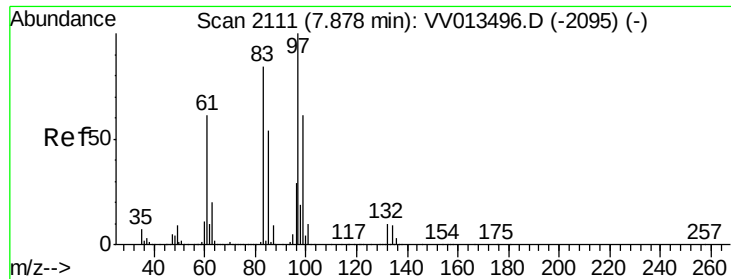
Tgt Ion: 75 Resp: 25333

Ion Ratio Lower Upper

75 100

77 30.0 22.0 41.0





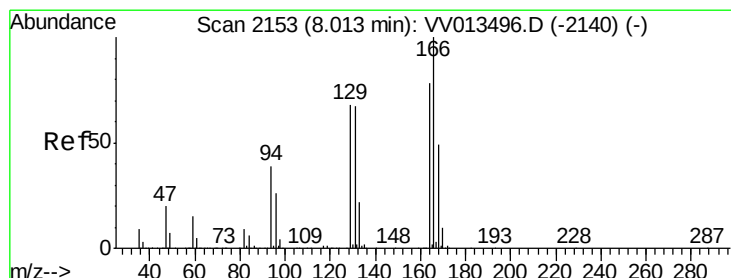
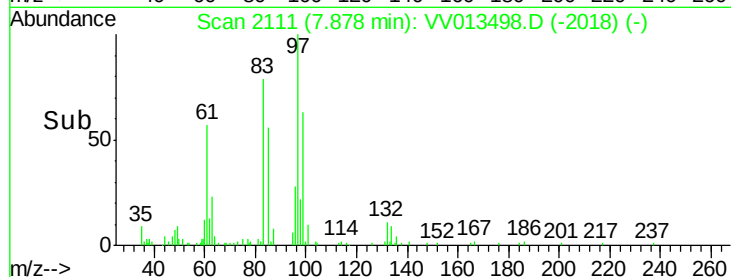
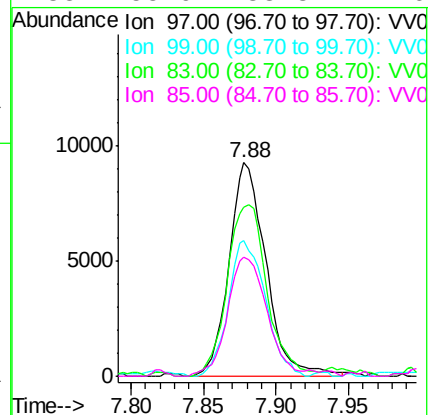
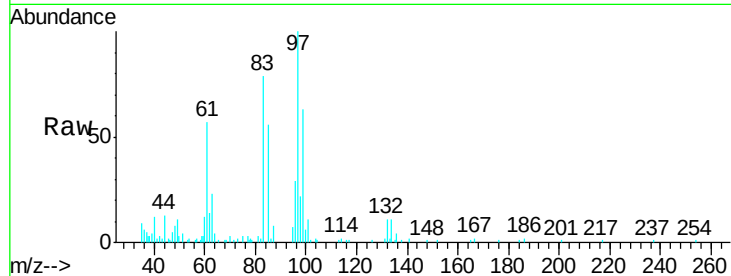
#45
 1,1,2-Trichloroethane
 Concen: 2.454 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013498.D
 Acq: 06 Nov 2019 15:07

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.8	81.4
83	79.3	59.1	109.9
85	55.9	38.8	72.0

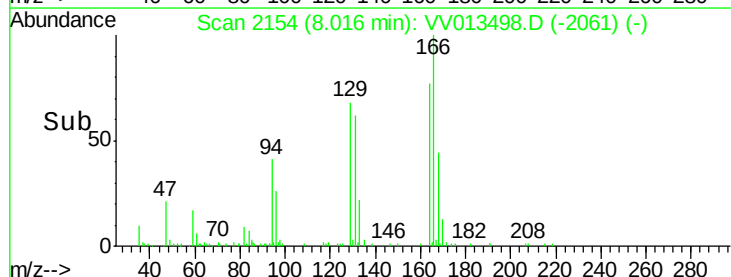
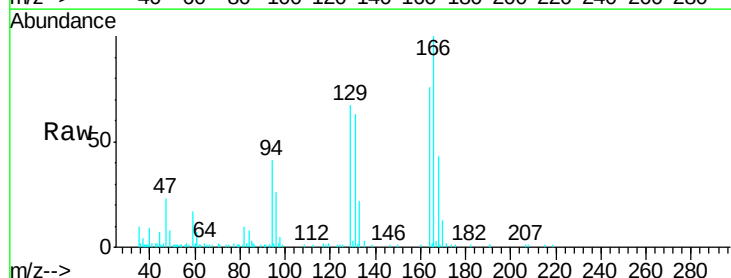
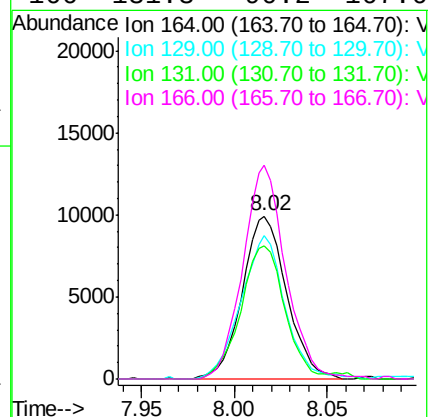
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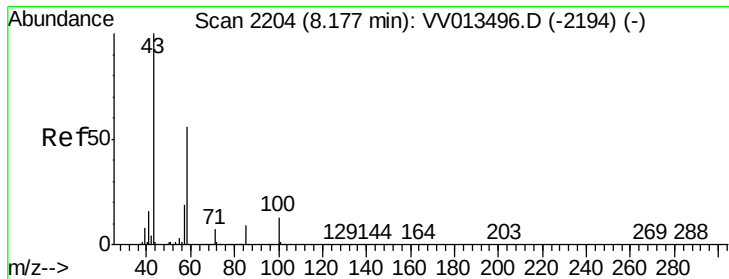
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#46
 Tetrachloroethene
 Concen: 2.700 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013498.D
 Acq: 06 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
164	100		
129	88.0	61.5	114.3
131	82.1	60.6	112.6
166	131.3	90.2	167.6





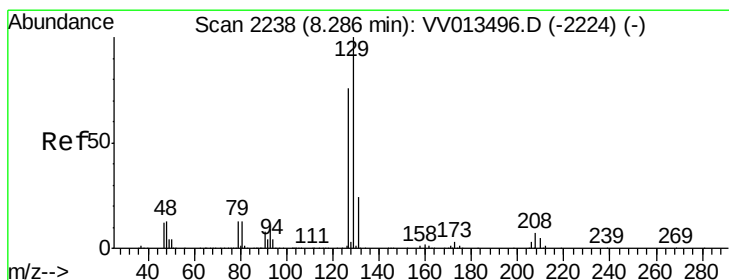
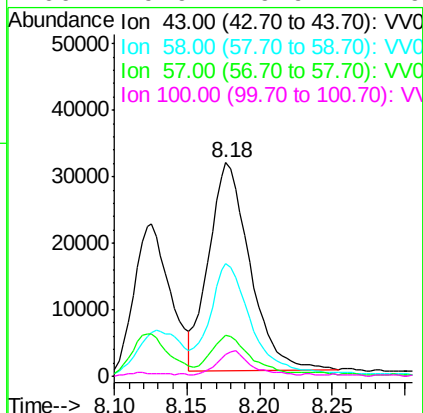
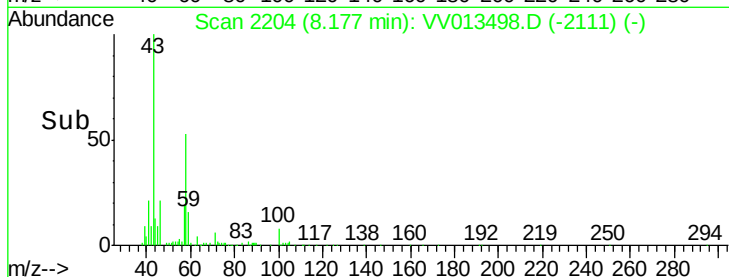
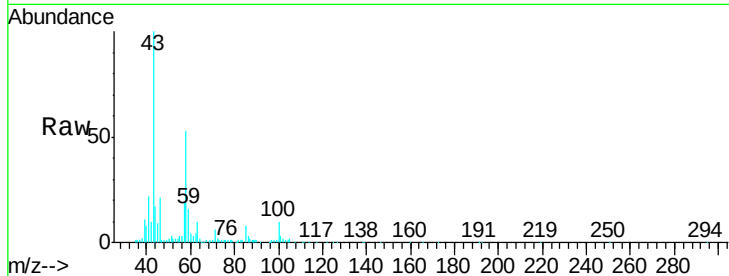
#48
2-Hexanone
Concen: 8.539 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV013498.D
Acq: 06 Nov 2019 15:07

Instrument :
MSVOA_V
ClientSampleID :
MDL01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.1	43.4	65.0
57	16.5	15.2	22.8
100	9.9	9.9	14.9

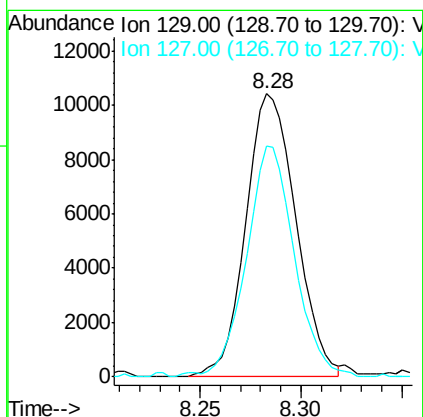
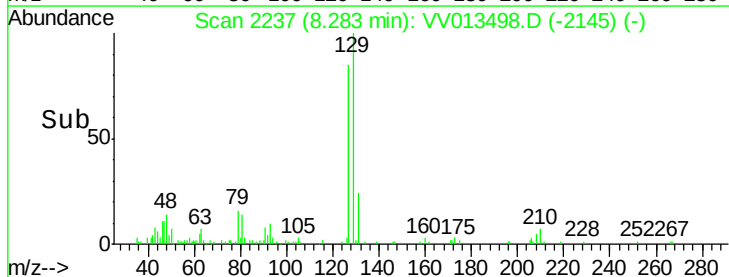
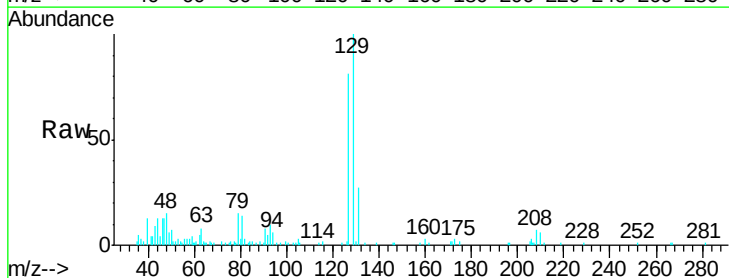
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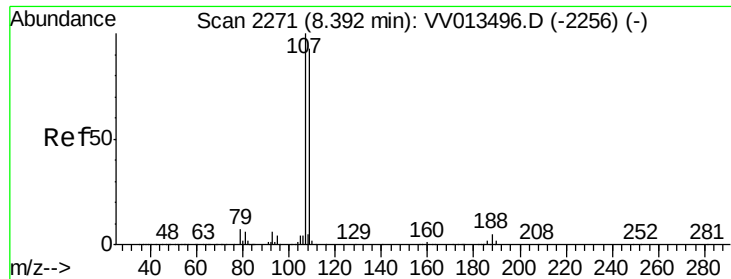
MMDadoda
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#49
Dibromochloromethane
Concen: 2.361 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV013498.D
Acq: 06 Nov 2019 15:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.5	52.5	97.5





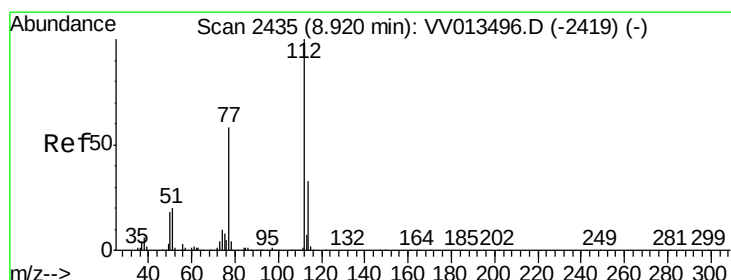
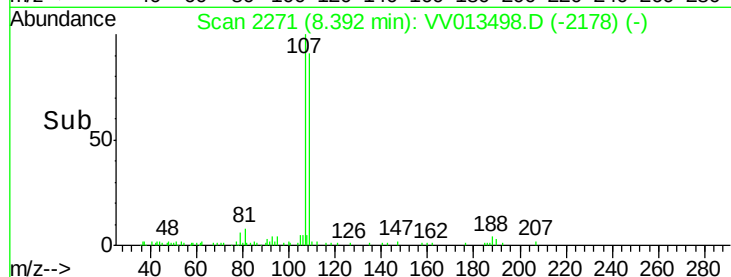
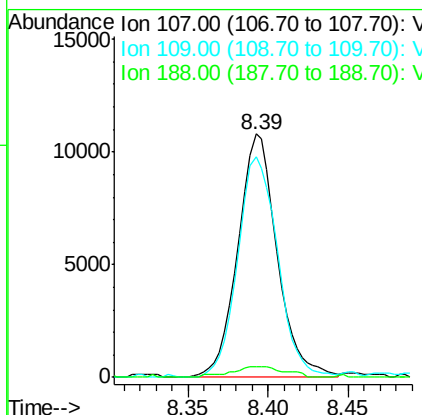
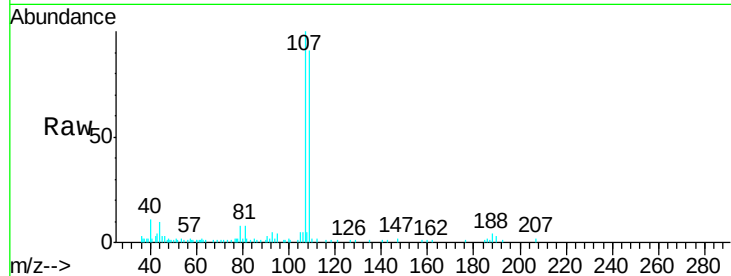
#50
1,2-Dibromoethane
Concen: 2.588 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013498.D
Acq: 06 Nov 2019 15:07

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	18097		
109	90.7	65.7	122.1	
188	4.1	3.5	5.3	

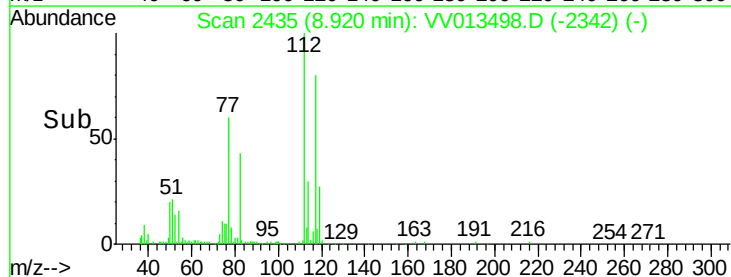
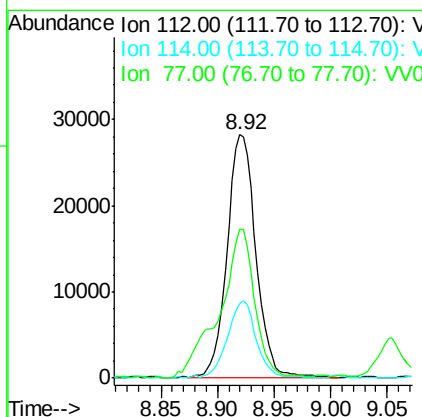
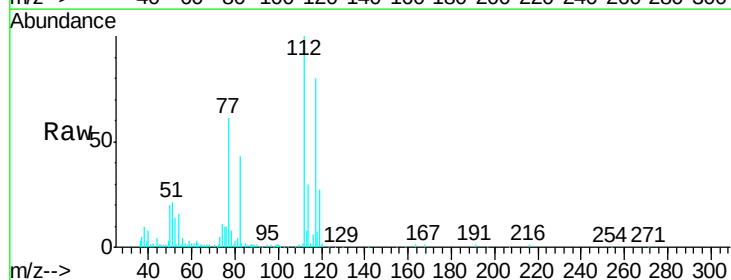
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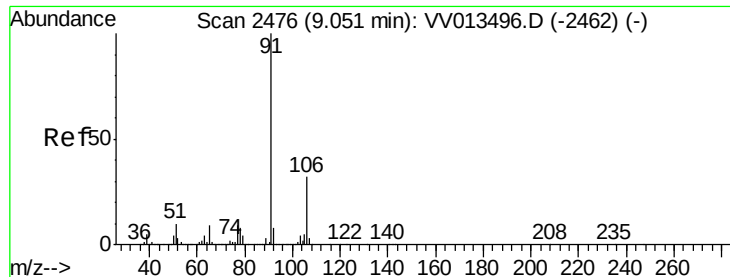
MMDadoda
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#51
Chlorobenzene
Concen: 2.682 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013498.D
Acq: 06 Nov 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	50227		
114	30.5	22.8	42.4	
77	61.0	46.7	70.1	





#52

Ethylbenzene

Concen: 2.453 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tgt Ion: 91 Resp: 74980

Ion Ratio Lower Upper

91 100

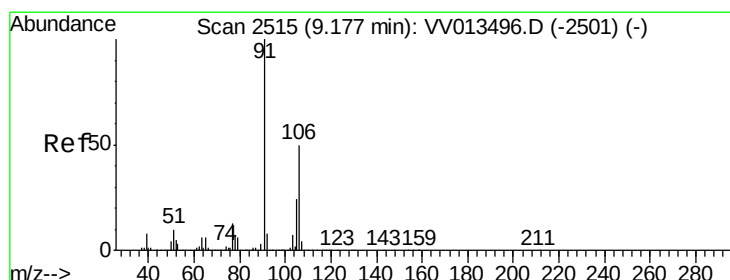
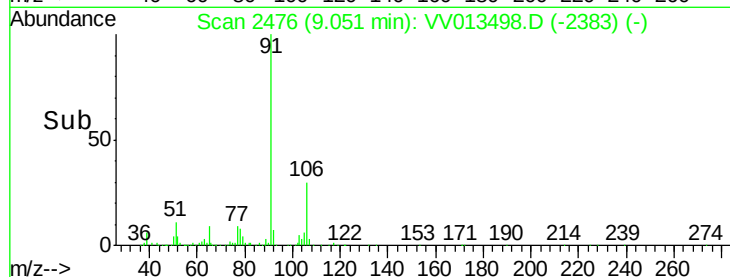
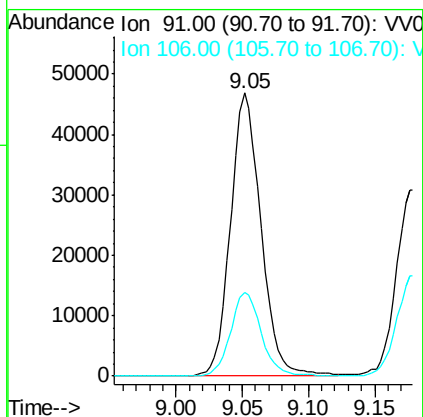
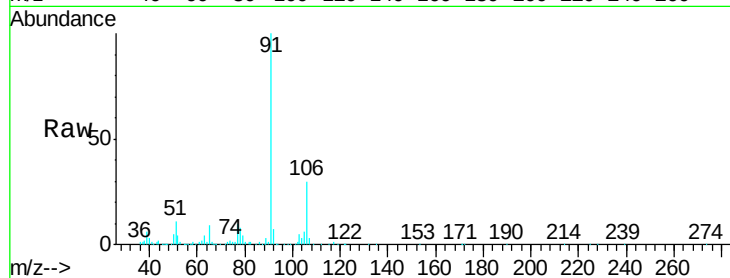
106 29.6 22.0 40.8

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#53

m,p-Xylene

Concen: 2.408 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013498.D

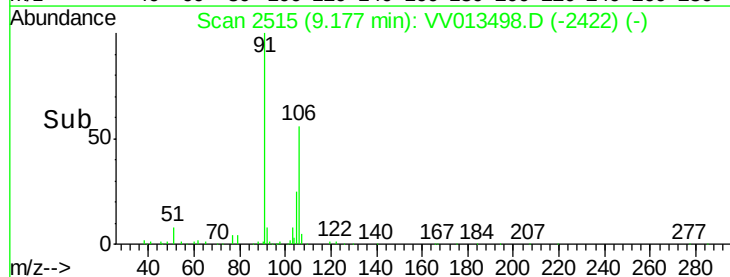
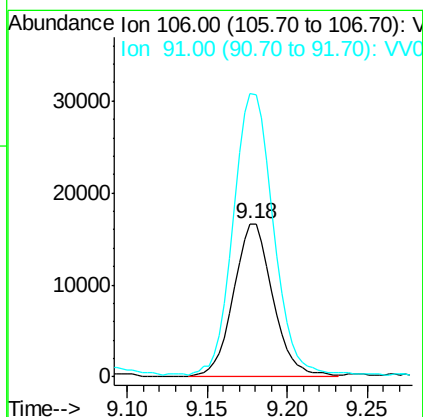
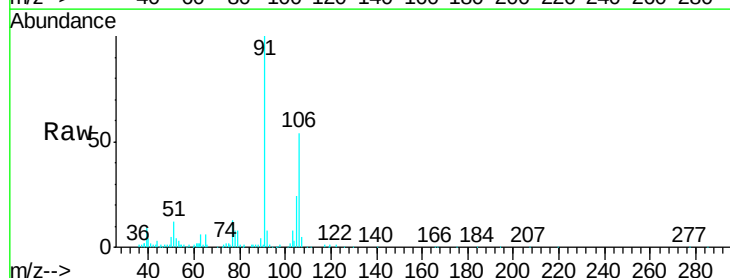
Acq: 06 Nov 2019 15:07

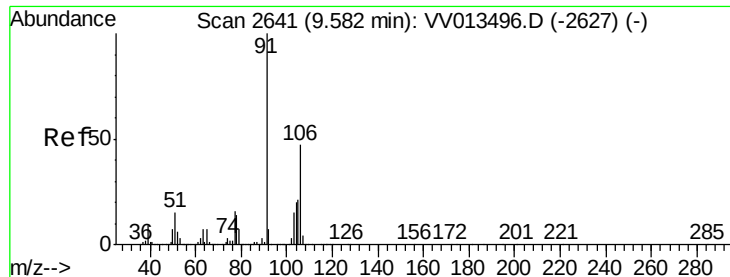
Tgt Ion: 106 Resp: 27938

Ion Ratio Lower Upper

106 100

91 184.6 141.6 263.0





#54

o-xylene

Concen: 2.216 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion:106 Resp: 24660

Ion Ratio Lower Upper

106 100

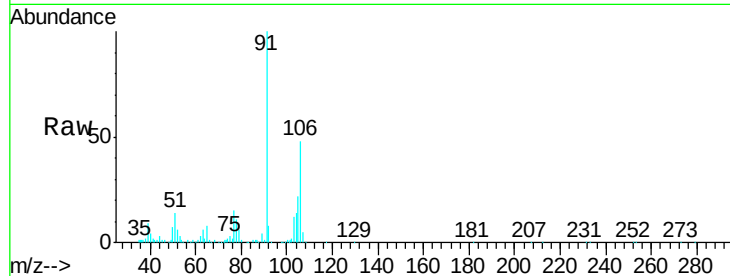
91 209.6 147.2 273.4

Manual Integrations

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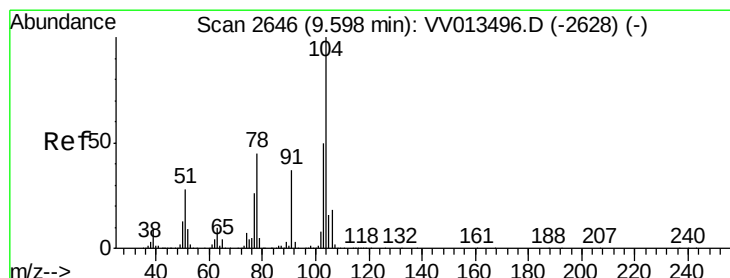
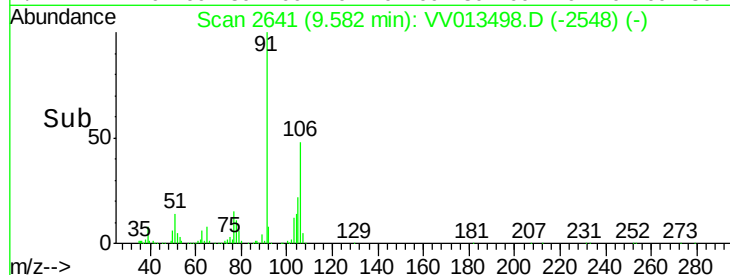
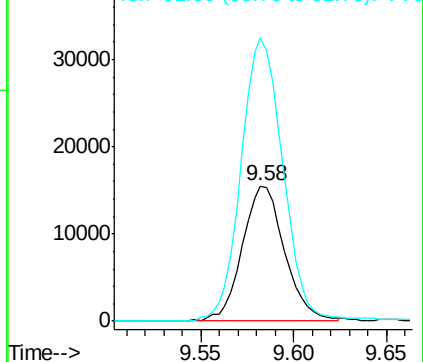
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 2.064 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013498.D

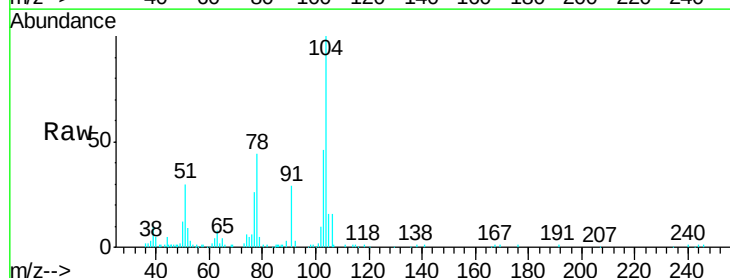
Acq: 06 Nov 2019 15:07

Tgt Ion:104 Resp: 39712

Ion Ratio Lower Upper

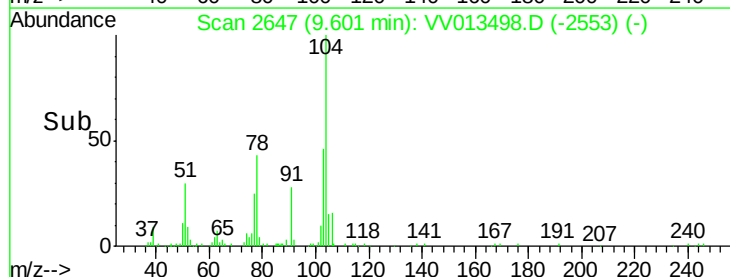
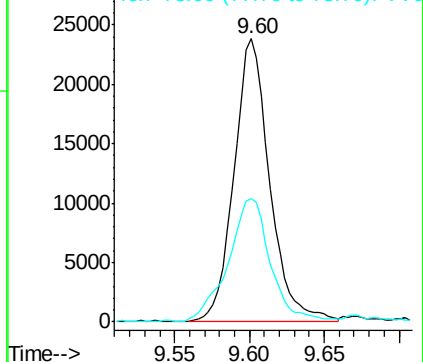
104 100

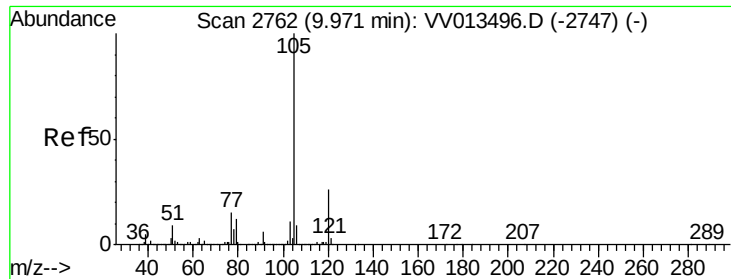
78 43.7 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 2.126 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

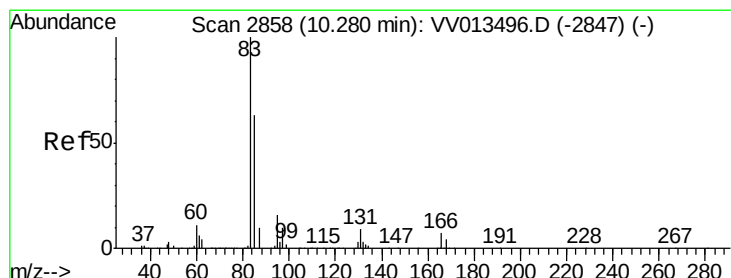
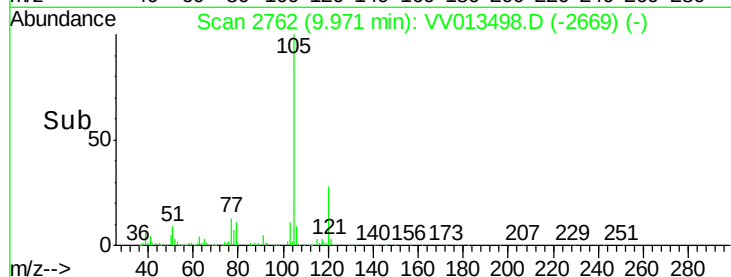
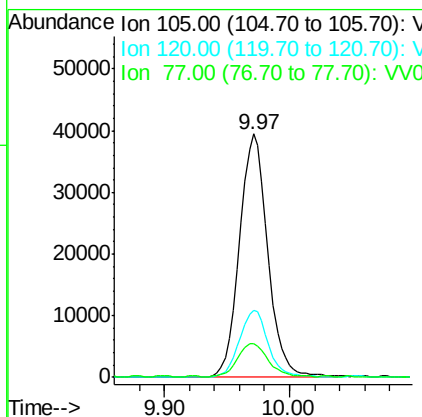
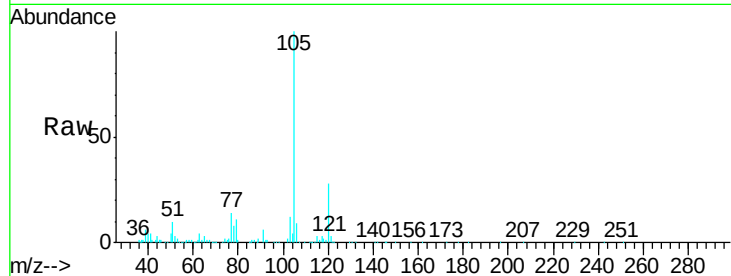
ClientSampled :

MDL01

Tgt Ion:	105	Resp:	62134
Ion Ratio	Lower	Upper	
105	100		
120	28.0	21.1	31.7
77	14.3	12.2	18.4

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11/7/2019 10:49:33 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.850 ug/L

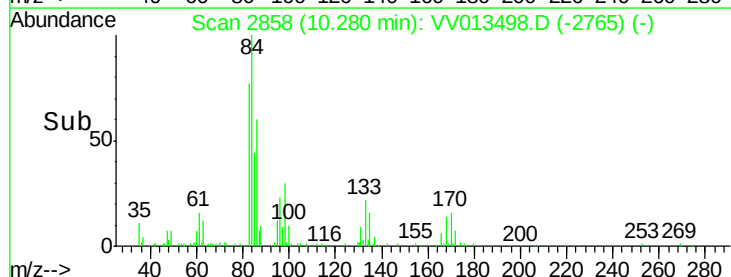
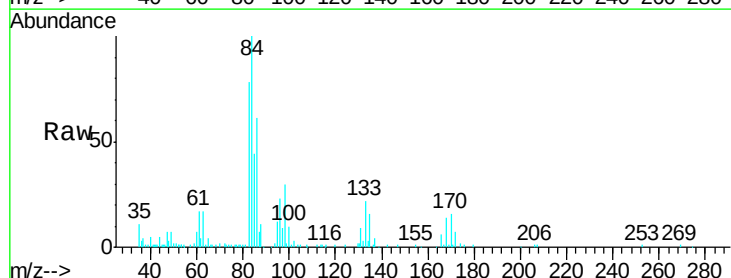
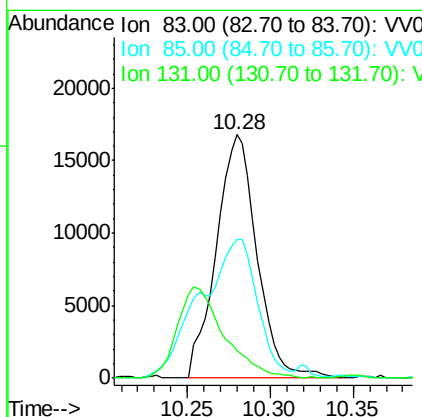
RT: 10.28 min Scan# 2858

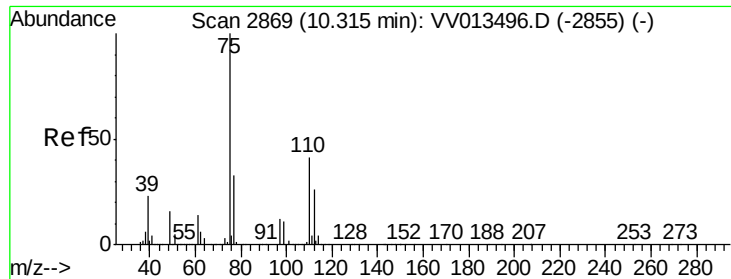
Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Tgt Ion:	83	Resp:	28672
Ion Ratio	Lower	Upper	
83	100		
85	57.1	44.0	81.6
131	11.4	7.7	11.5





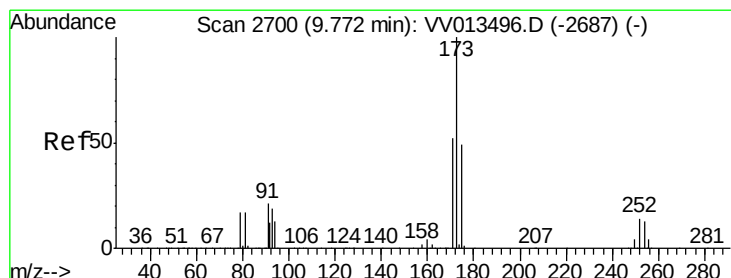
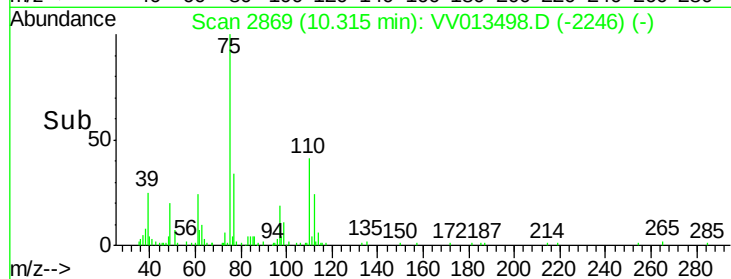
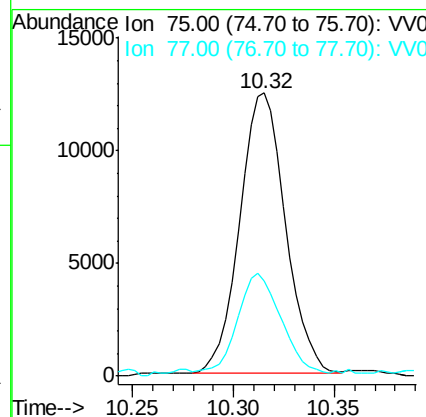
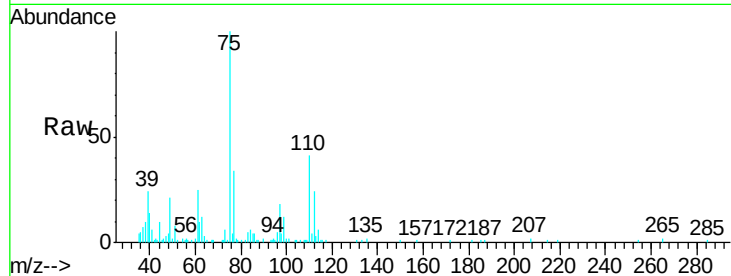
#59
 1,2,3-Trichloropropane
 Concen: 2.355 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV013498.D
 Acq: 06 Nov 2019 15:07

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tgt Ion: 75 Resp: 19732
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.4 38.2

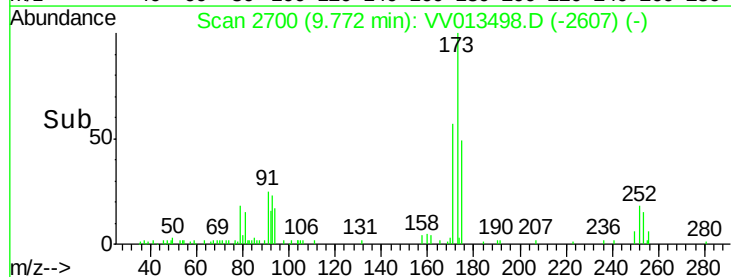
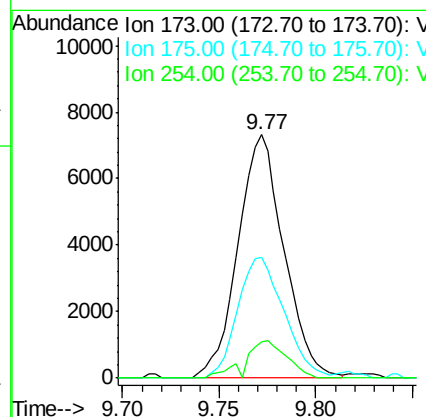
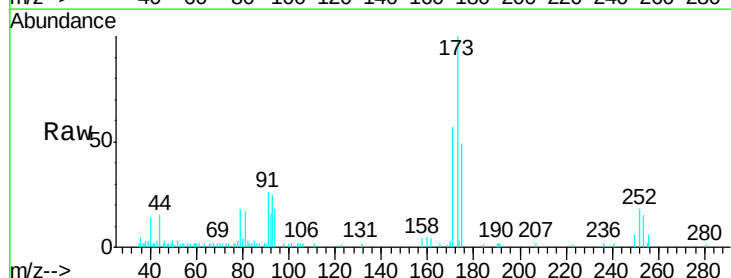
Manual Integrations
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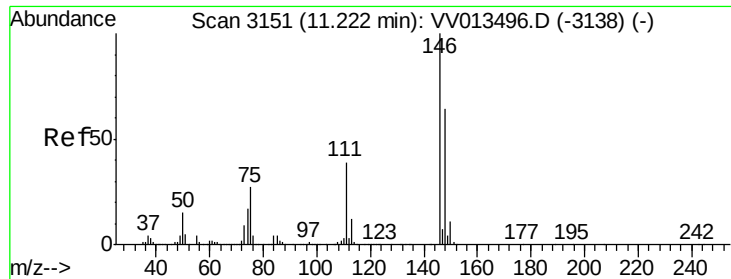
MMDadoda
 11/7/2019 10:49:33 AM



#61
 Bromoform
 Concen: 2.315 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV013498.D
 Acq: 06 Nov 2019 15:07

Tgt Ion: 173 Resp: 12093
 Ion Ratio Lower Upper
 173 100
 175 49.7 39.0 58.4
 254 11.9 10.2 15.2





#62

1,3-Dichlorobenzene

Concen: 2.761 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

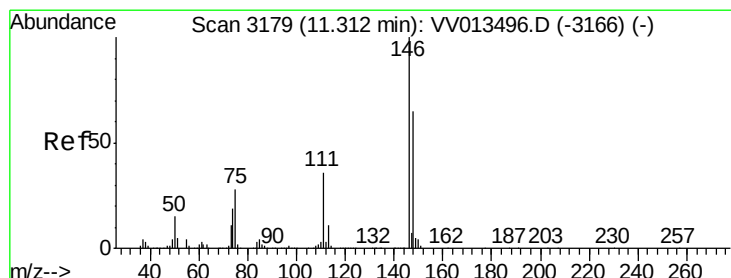
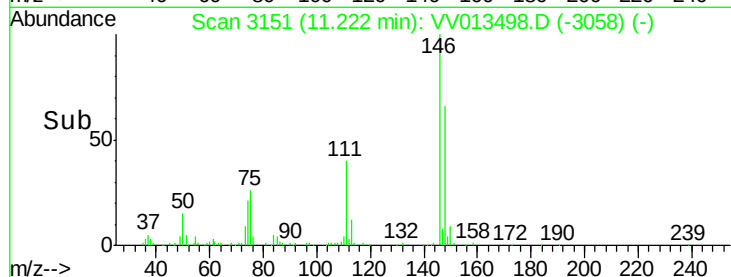
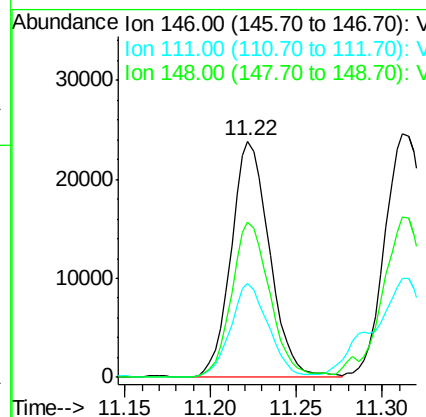
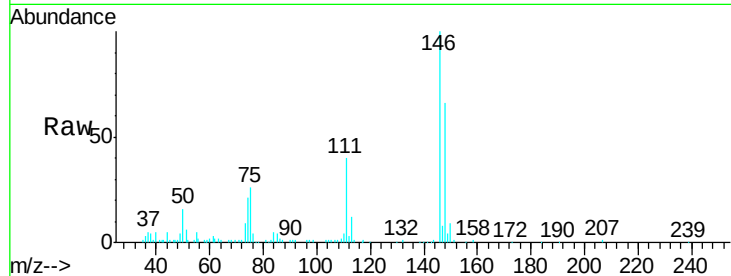
ClientSampleId :

MDL01

Tgt Ion:	146	Resp:	37284
Ion Ratio	Lower	Upper	
146	100		
111	39.9	26.4	49.0
148	65.9	44.4	82.4

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#63

1,4-Dichlorobenzene

Concen: 2.931 ug/L

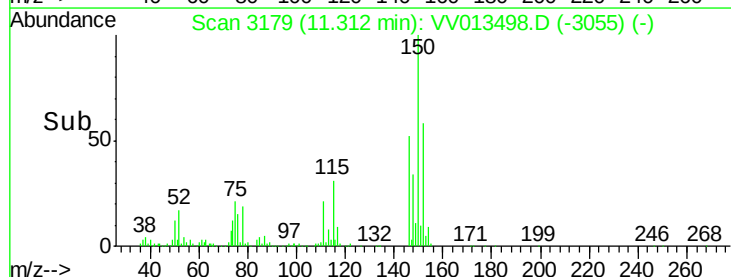
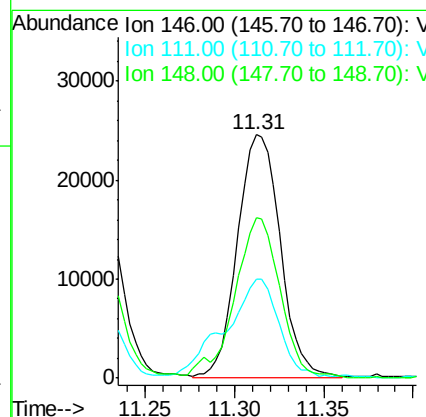
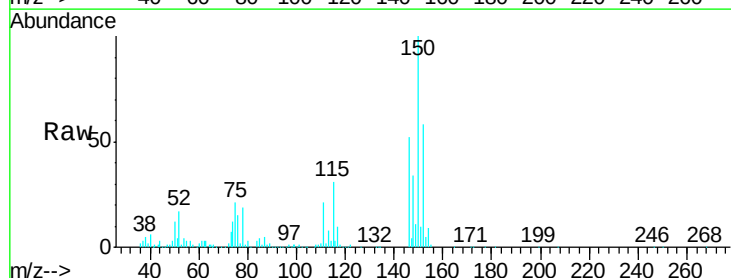
RT: 11.31 min Scan# 3179

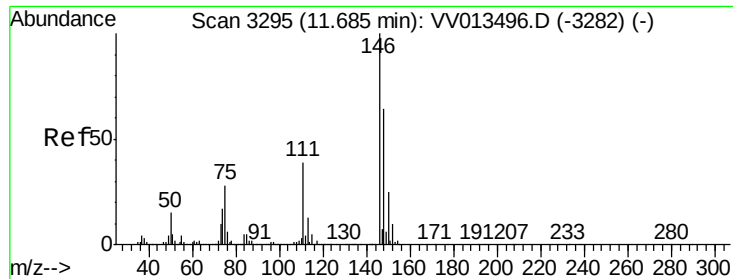
Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Tgt Ion:	146	Resp:	40988
Ion Ratio	Lower	Upper	
146	100		
111	40.5	25.5	47.3
148	65.7	44.9	83.5





#65

1,2-Dichlorobenzene

Concen: 2.899 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

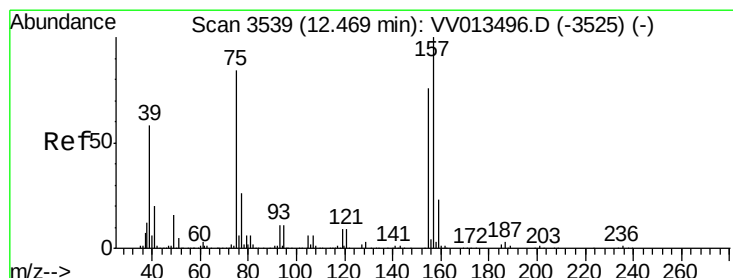
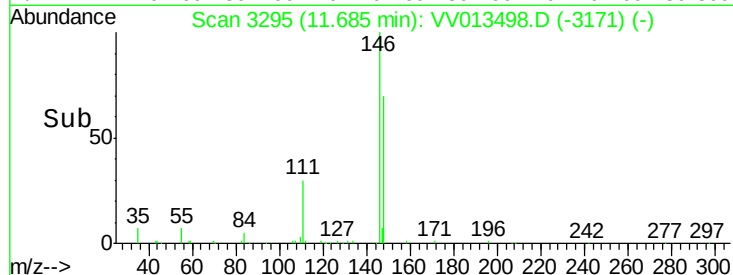
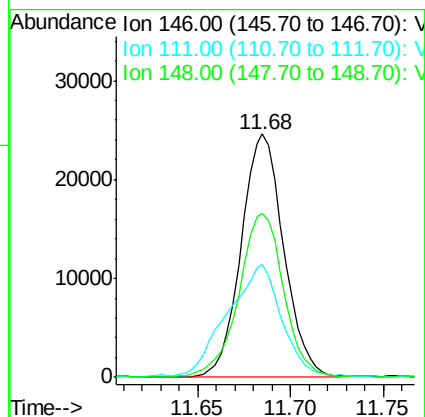
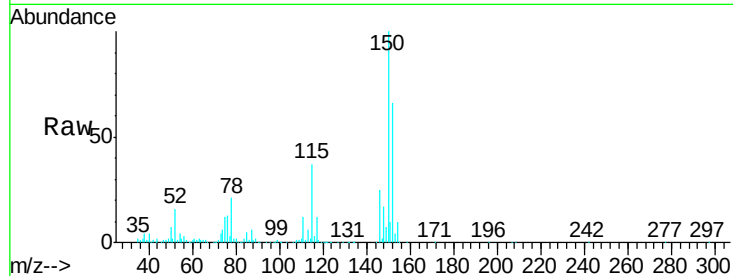
ClientSampled :

MDL01

Tgt Ion:	146	Resp:	39203
Ion Ratio	Lower	Upper	
146	100		
111	46.3	32.1	48.1
148	67.5	52.0	78.0

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#66

1,2-Dibromo-3-chloropropane

Concen: 2.550 ug/L

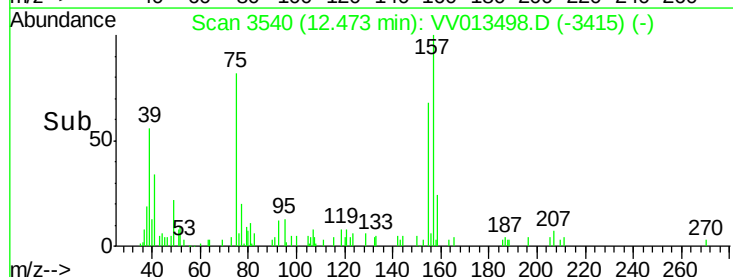
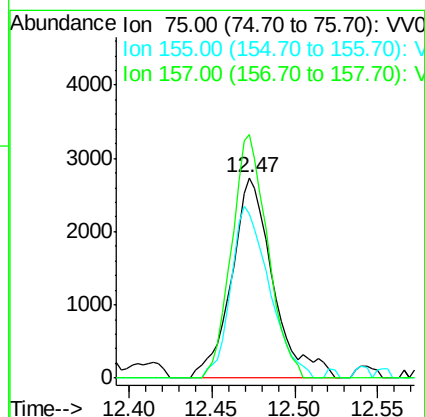
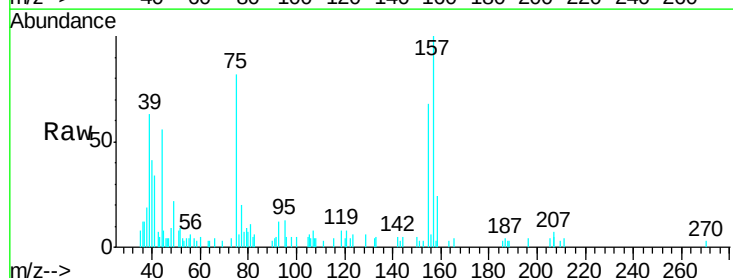
RT: 12.47 min Scan# 3540

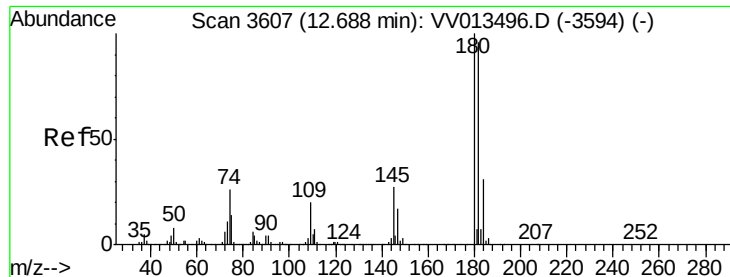
Delta R.T. 0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Tgt Ion:	75	Resp:	4756
Ion Ratio	Lower	Upper	
75	100		
155	82.0	71.9	107.9
157	121.4	96.6	145.0





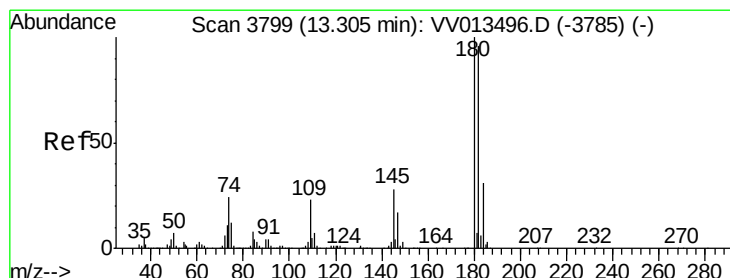
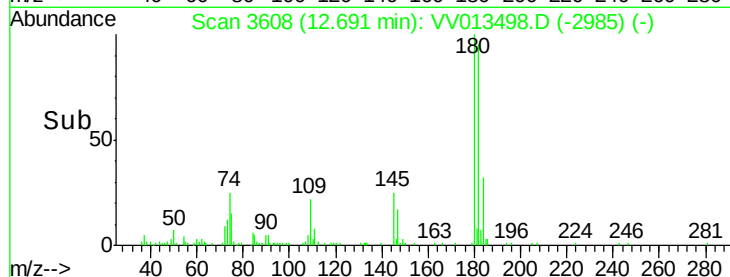
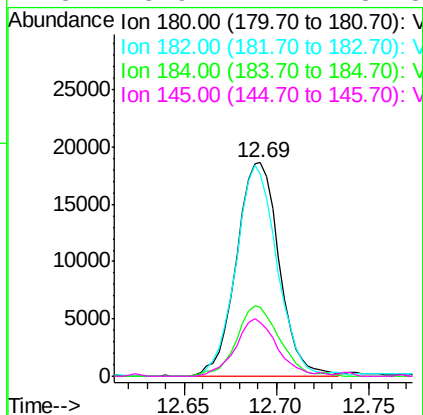
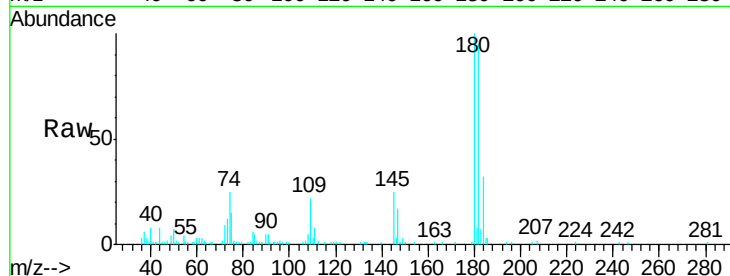
#67
 1,3,5-Trichlorobenzene
 Concen: 2.834 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013498.D
 Acq: 06 Nov 2019 15:07

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	29890		
182	94.4	76.2	114.2	
184	32.8	24.3	36.5	
145	25.9	21.2	31.8	

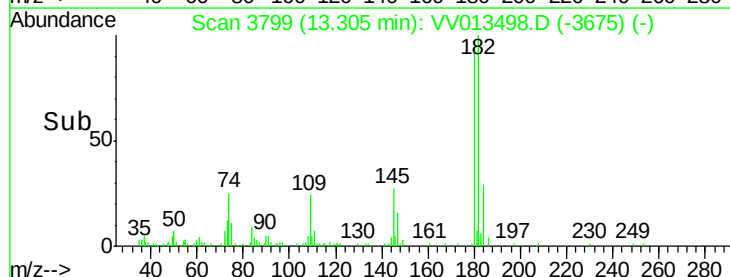
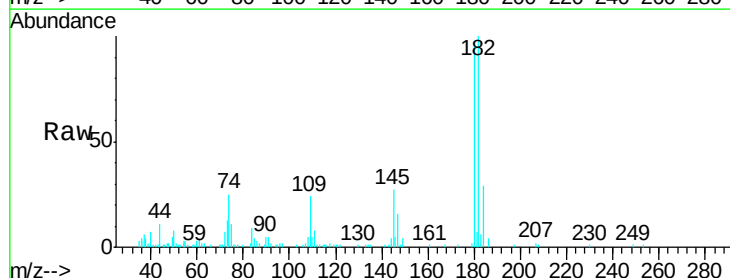
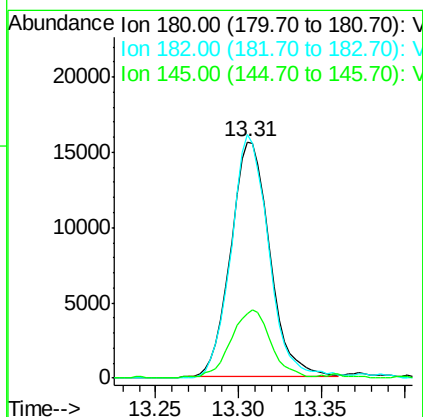
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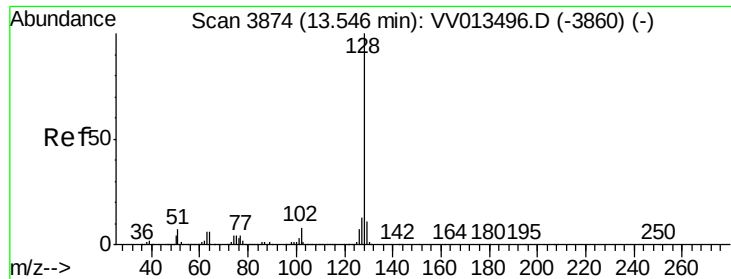
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#68
 1,2,4-trichlorobenzene
 Concen: 2.758 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013498.D
 Acq: 06 Nov 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	25486		
182	99.1	76.4	114.6	
145	30.2	22.4	33.6	





#69

Naphthalene

Concen: 2.239 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Instrument :

MSVOA_V

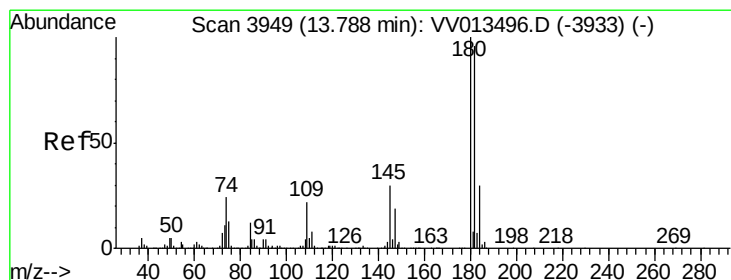
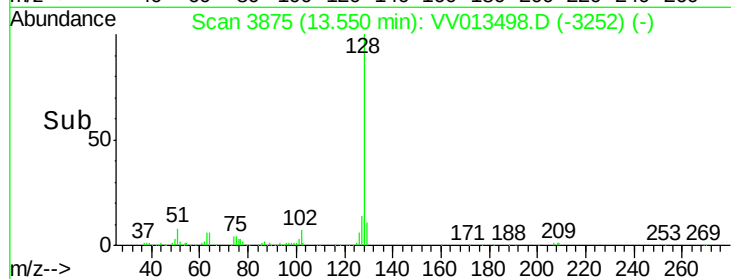
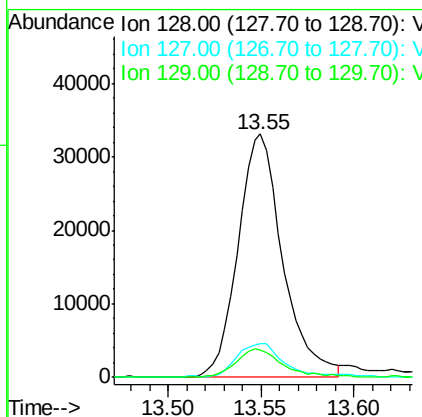
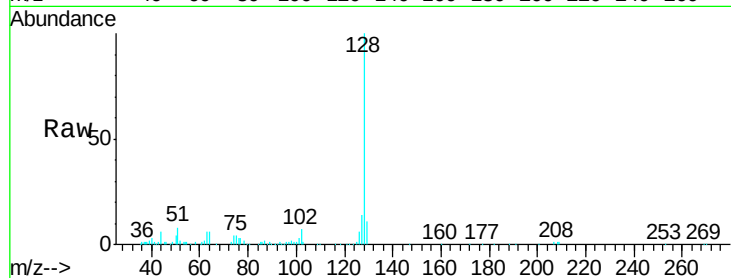
ClientSampleId :

MDL01

Tgt Ion:	128	Resp:	55291
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	15.8
129	11.5	8.6	13.0

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 2.614 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013498.D

Acq: 06 Nov 2019 15:07

Tgt Ion:	180	Resp:	25657
Ion Ratio	Lower	Upper	
180	100		
182	94.0	77.4	116.0
145	29.4	24.0	36.0

