

Data File : VV013469.D
Acq On : 01 Nov 2019 15:24
Operator : SY/MD
Sample : MDL03
Misc : 5.00G/10.0ML/MSVOA_V/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMDadoda
11/4/2019 12:38:36 PM

Quant Time: Nov 02 03:35:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM110119S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 02 04:24:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	763343	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	734536	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	380340	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	269615	25.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.36%
7) Chloroethane-d5	1.58	69	193984	24.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.92%
10) 1,1-Dichloroethene-d2	2.13	63	352850	18.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.52%
20) 2-Butanone-d5	3.93	46	225541	44.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.46%
24) Chloroform-d	4.40	84	506419	23.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.68%
26) 1,2-Dichloroethane-d4	5.08	65	303500	24.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.12%
29) Benzene-d6	5.09	84	1071139	24.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.36%
33) 1,2-Dichloropropane-d6	6.11	67	330616	25.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.52%
37) Toluene-d8	7.36	98	941039	24.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.40%
38) trans-1,3-Dichloropropene-	7.66	79	134498	23.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.08%
39) 2-Hexanone-d5	8.13	63	125051	44.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.88%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	281742	23.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.48%
61) 1,2-Dichlorobenzene-d4	11.67	152	368931	24.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	13218	1.110 ug/L	95
3) Chloromethane	1.25	50	12091	0.996 ug/L	94
5) Vinyl chloride	1.32	62	12862m	1.083 ug/L	
6) Bromomethane	1.53	94	5456	0.977 ug/L	98
8) Chloroethane	1.60	64	5648	0.856 ug/L	93
9) Trichlorofluoromethane	1.77	101	15222	0.936 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12500	1.288 ug/L	87
12) 1,1-Dichloroethene	2.14	96	11456m	1.248 ug/L	
13) Acetone	2.19	43	17591	2.985 ug/L	96
14) Carbon disulfide	2.32	76	32326	0.908 ug/L	99
15) Methyl Acetate	2.46	43	6941m	0.782 ug/L	
16) Methylene chloride	2.53	84	33244	2.340 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	26797	0.890 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	11149	0.911 ug/L	92
19) 1,1-Dichloroethane	3.23	63	20698	0.928 ug/L	98
21) 2-Butanone	4.04	43	13937m	2.293 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	12235	0.951 ug/L	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	5869m	0.951	ug/L	
25) Chloroform	4.42	83	39586	1.733	ug/L	87
27) 1,2-Dichloroethane	5.18	62	14559	0.918	ug/L #	91
30) Cyclohexane	4.72	56	16877	0.851	ug/L	94
31) 1,1,1-Trichloroethane	4.66	97	17377	0.932	ug/L #	52
32) Carbon tetrachloride	4.87	117	15014	0.904	ug/L	95
34) Benzene	5.14	78	46174	0.958	ug/L	100
35) Trichloroethene	5.96	95	13205	1.015	ug/L	98
36) Methylcyclohexane	6.18	83	15297	0.751	ug/L #	71
40) 1,2-Dichloropropane	6.22	63	10768	0.887	ug/L #	88
41) Bromodichloromethane	6.55	83	13334	0.854	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	16213	0.901	ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	21299	1.902	ug/L	97
44) Toluene	7.43	91	48571	0.987	ug/L	95
45) trans-1,3-Dichloropropene	7.70	75	12294	0.797	ug/L	89
46) 1,1,2-Trichloroethane	7.88	97	9426	0.969	ug/L	98
47) Tetrachloroethene	8.02	164	10445	0.947	ug/L	91
49) 2-Hexanone	8.19	43	26694	3.274	ug/L #	88
50) Dibromochloromethane	8.29	129	10822	0.931	ug/L	99
51) 1,2-Dibromoethane	8.39	107	9296	0.925	ug/L #	92
52) Chlorobenzene	8.92	112	32018	0.961	ug/L	99
53) Ethylbenzene	9.05	91	46425	0.856	ug/L	97
54) m,p-Xylene	9.18	106	18273	0.895	ug/L	94
55) o-xylene	9.59	106	15161	0.786	ug/L	97
56) Styrene	9.60	104	24602	0.735	ug/L	94
57) Isopropylbenzene	9.97	105	40239	0.773	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.28	83	12591	1.009	ug/L #	93
59) 1,2,3-Trichloropropane	10.32	75	10097	0.966	ug/L	94
62) Bromoform	9.77	173	7123	0.945	ug/L #	93
63) 1,3-Dichlorobenzene	11.22	146	25692	0.978	ug/L	98
64) 1,4-Dichlorobenzene	11.31	146	26888	1.001	ug/L	92
65) 1,2-Dichlorobenzene	11.68	146	25352	1.039	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	2079	0.926	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	19968m	0.962	ug/L	
68) 1,2,4-trichlorobenzene	13.31	180	17577	0.993	ug/L	99
69) Naphthalene	13.55	128	27573	0.805	ug/L	95
70) 1,2,3-Trichlorobenzene	13.79	180	15482	0.935	ug/L	95

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

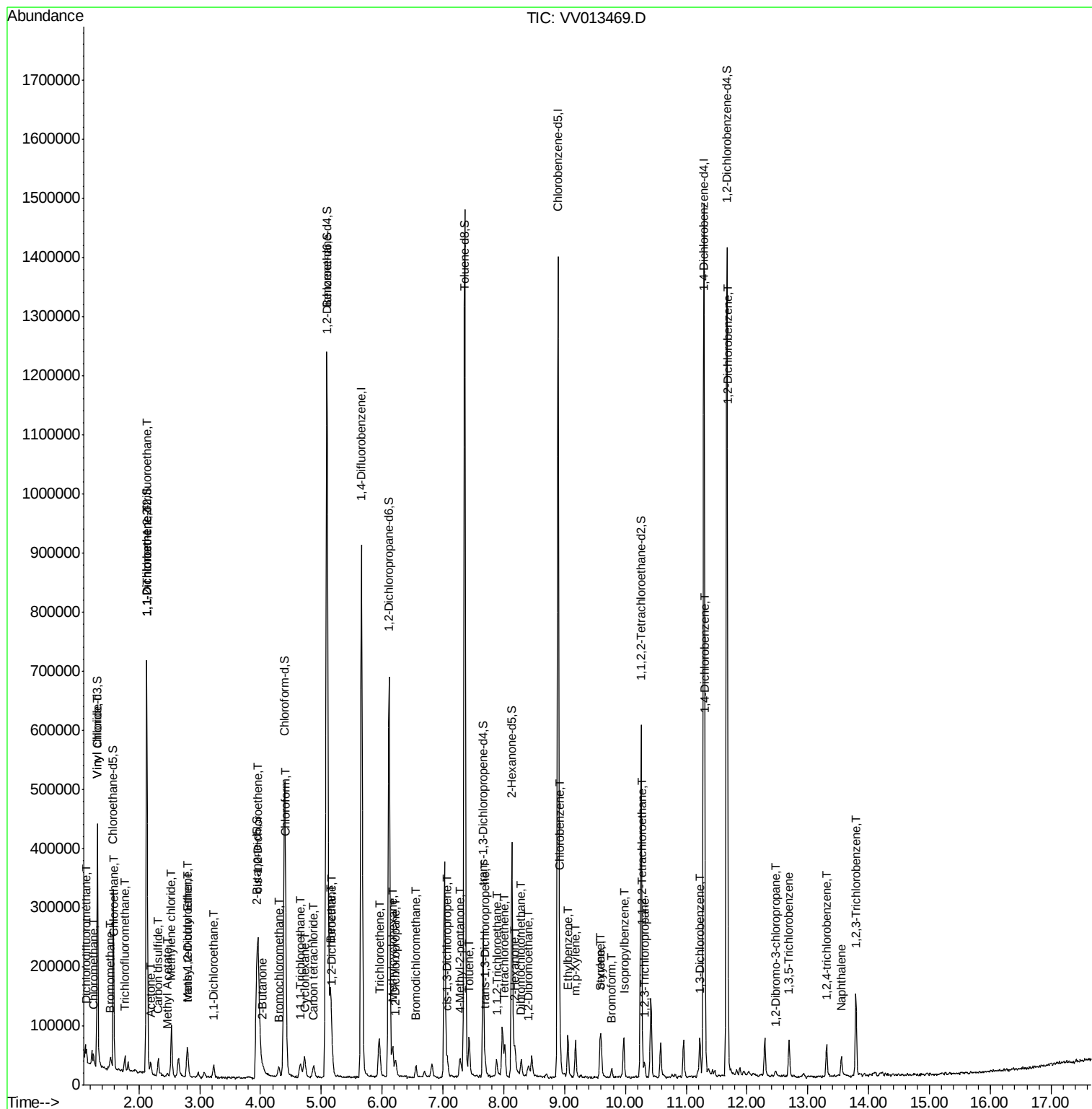
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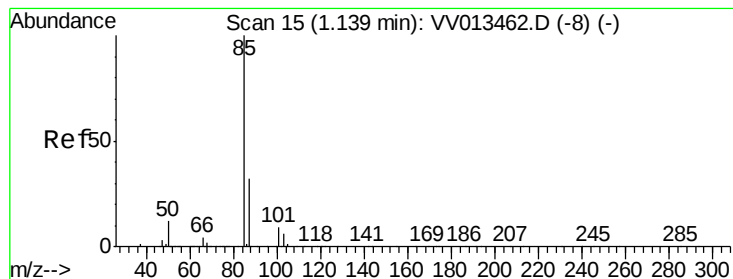
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#2

Dichlorodifluoromethane

Concen: 1.110 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tgt Ion: 85 Resp: 13218

Ion Ratio Lower Upper

85 100

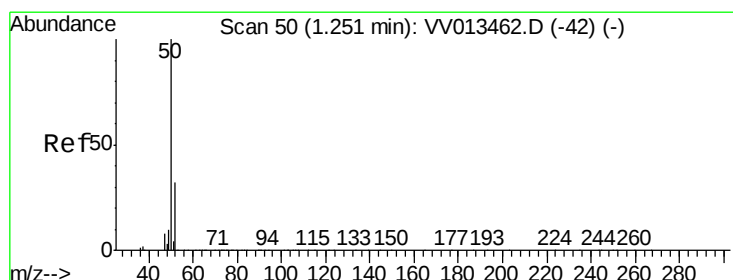
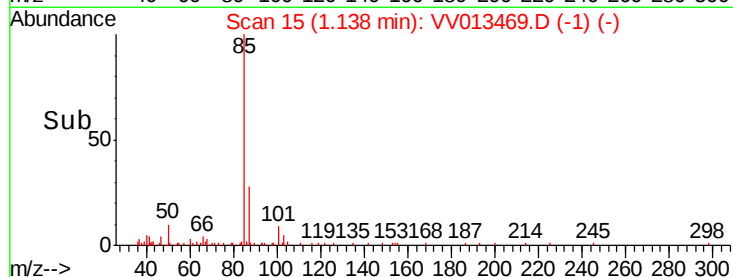
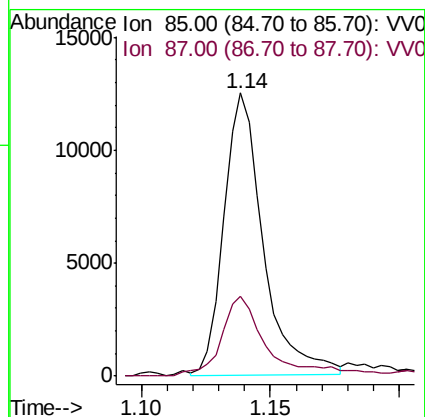
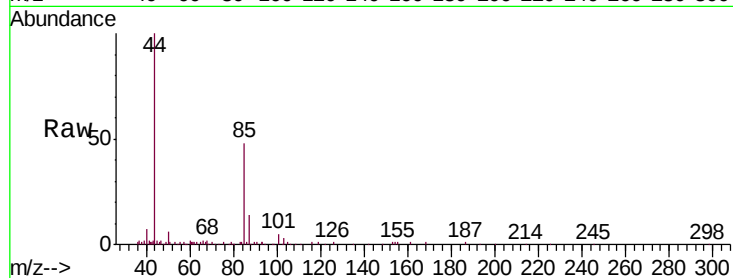
87 29.0 22.2 41.2

Manual Integrations

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#3

Chloromethane

Concen: 0.996 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013469.D

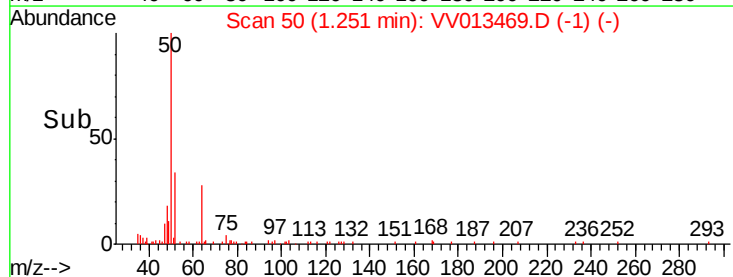
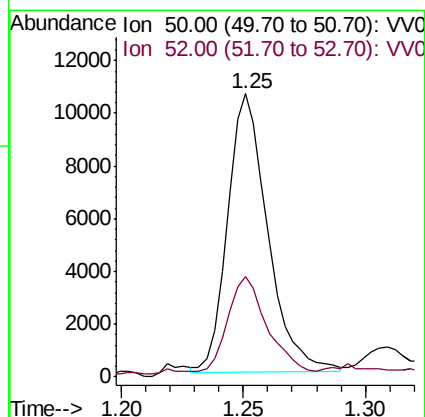
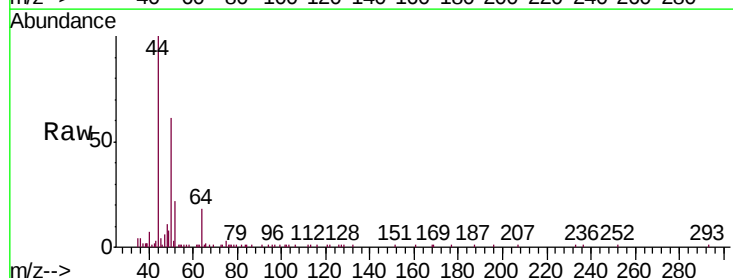
Acq: 01 Nov 2019 15:24

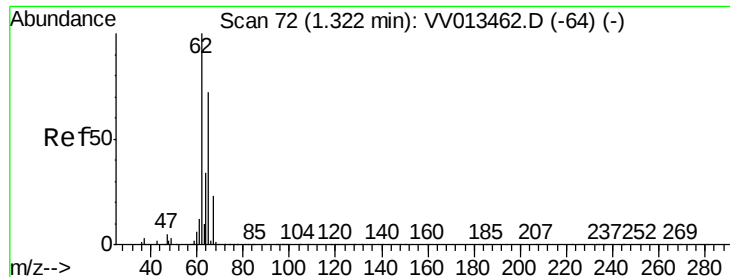
Tgt Ion: 50 Resp: 12091

Ion Ratio Lower Upper

50 100

52 35.3 22.2 41.2





#5

Vinyl chloride

Concen: 1.083 ug/L m

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tgt Ion: 62 Resp: 12862

Ion Ratio Lower Upper

62 100

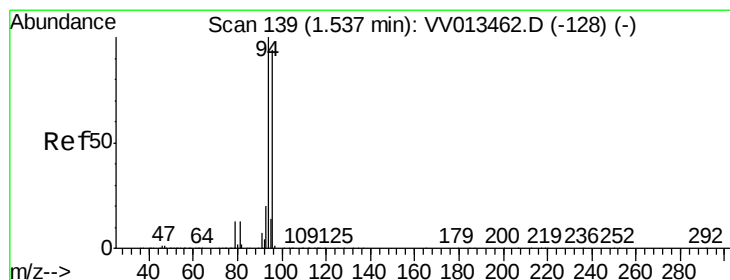
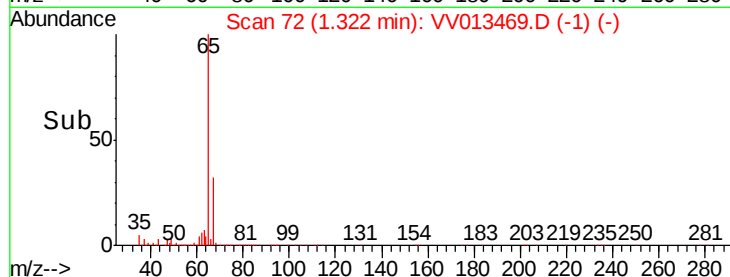
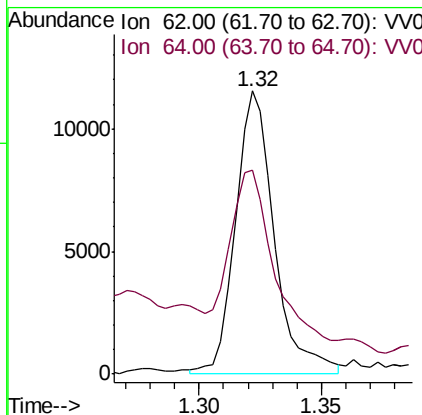
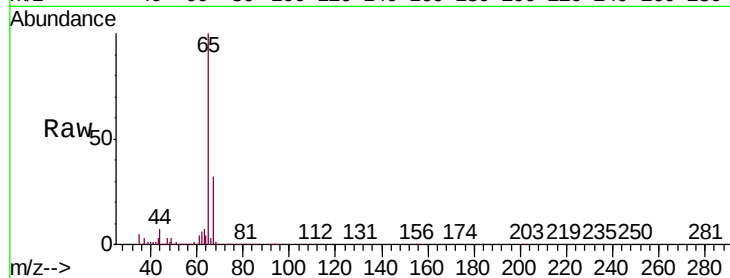
64 72.0 23.8 44.2#

Manual Integrations

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#6

Bromomethane

Concen: 0.977 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013469.D

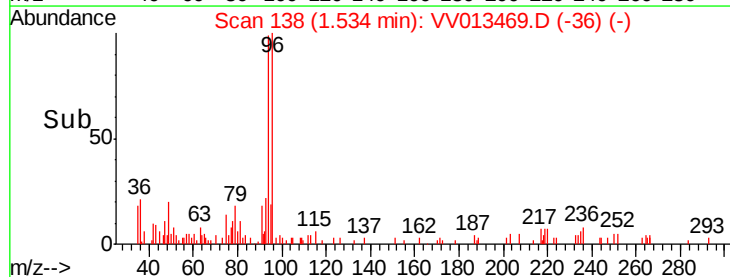
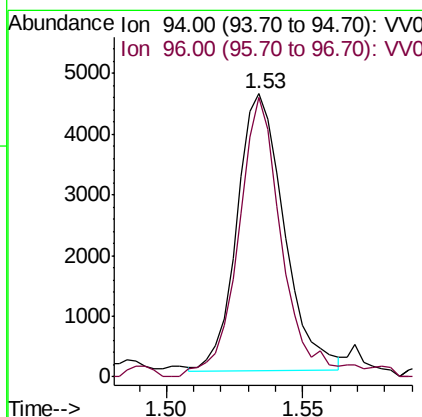
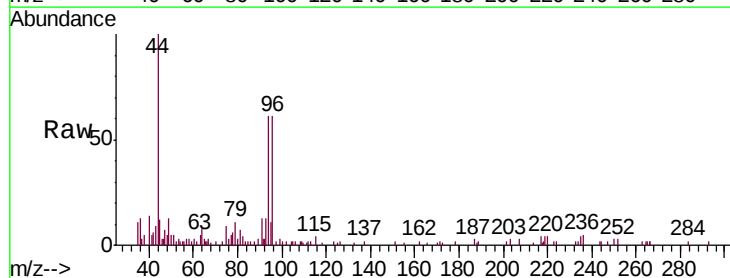
Acq: 01 Nov 2019 15:24

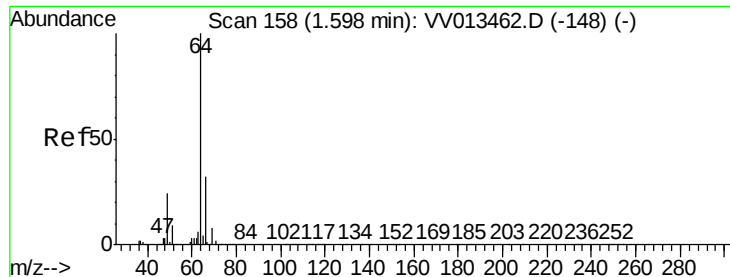
Tgt Ion: 94 Resp: 5456

Ion Ratio Lower Upper

94 100

96 92.0 9.4 177.8





#8

Chloroethane

Concen: 0.856 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tgt Ion: 64 Resp: 5648

Ion Ratio Lower Upper

64 100

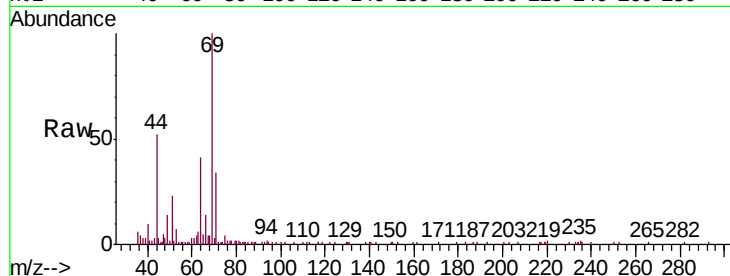
66 35.5 22.3 41.3

Manual Integrations

APPROVED

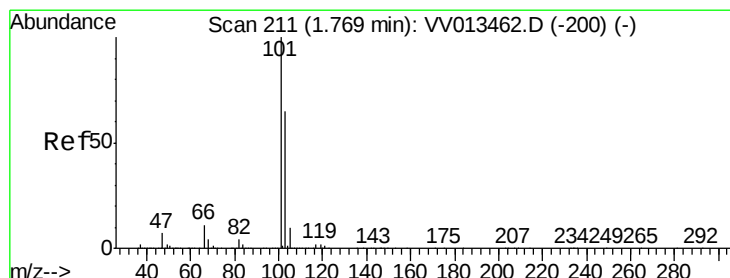
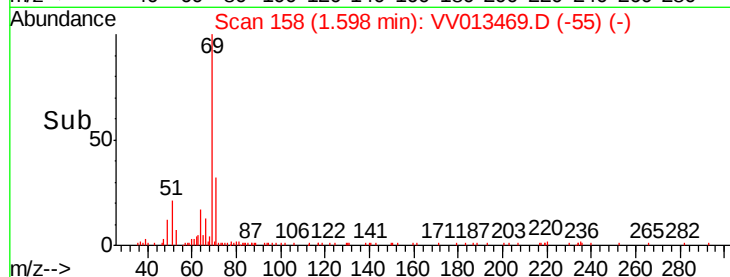
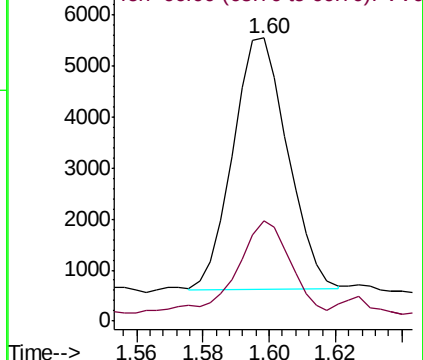
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Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0



#9

Trichlorofluoromethane

Concen: 0.936 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV013469.D

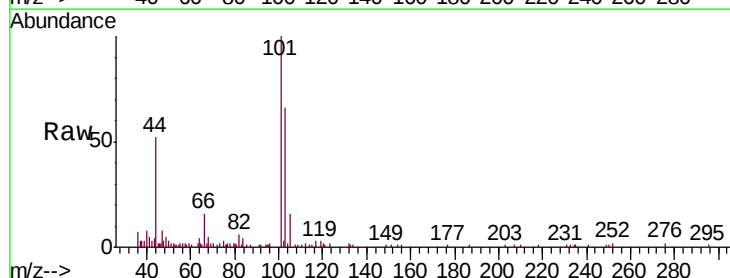
Acq: 01 Nov 2019 15:24

Tgt Ion: 101 Resp: 15222

Ion Ratio Lower Upper

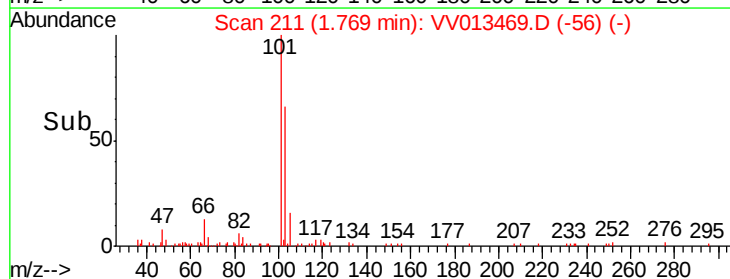
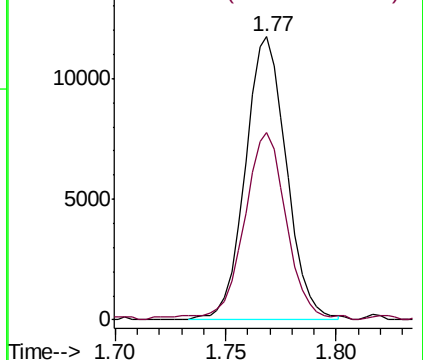
101 100

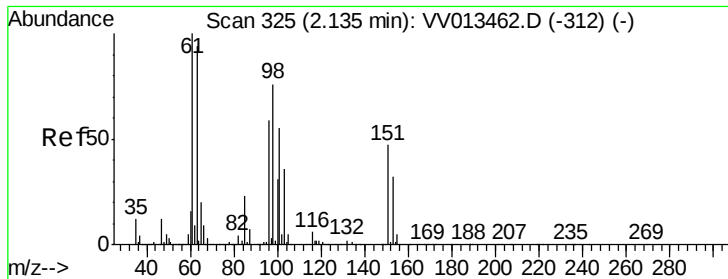
103 66.9 45.1 83.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 1.288 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

Instrument :

MSVOA_V

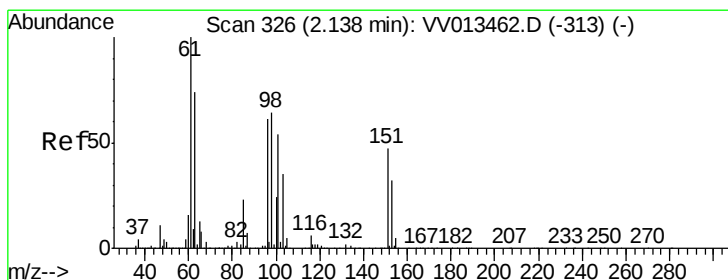
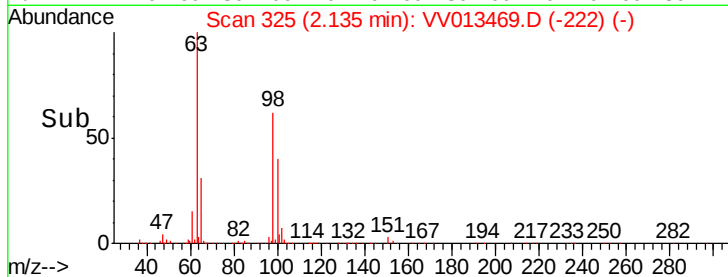
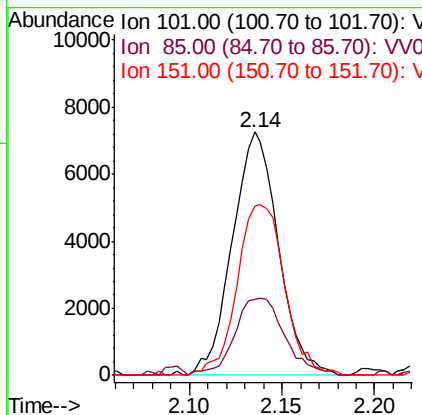
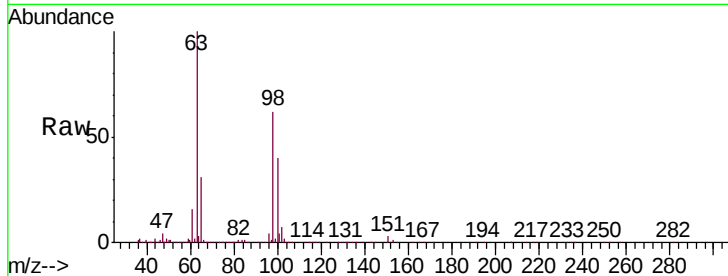
ClientSampled :

MDL03

Tgt Ion:	101	Resp:	12500
Ion Ratio	Lower	Upper	
101	100		
85	34.7	33.1	49.7
151	72.3	68.3	102.5

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#12

1,1-Dichloroethene

Concen: 1.248 ug/L m

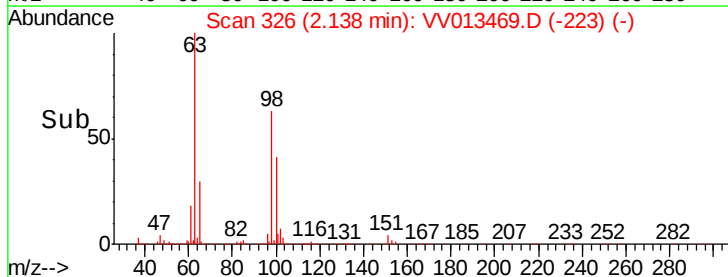
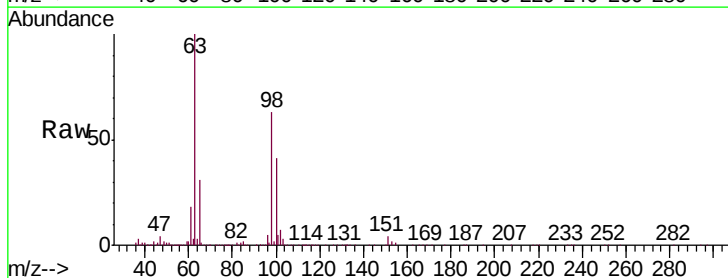
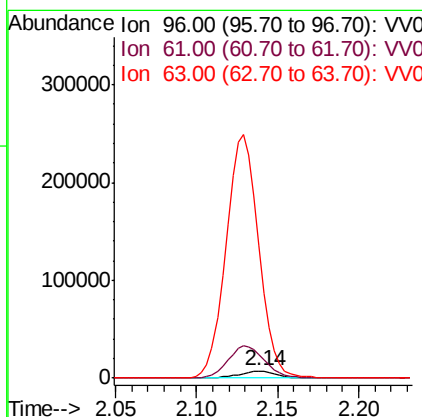
RT: 2.14 min Scan# 326

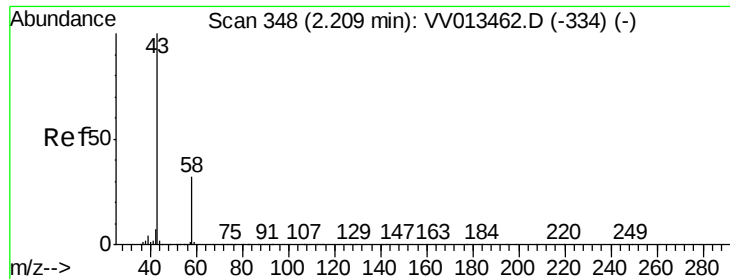
Delta R.T. -0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

Tgt Ion:	96	Resp:	11456
Ion Ratio	Lower	Upper	
96	100		
61	338.8	114.7	212.9#
63	1890.7	84.7	157.3#





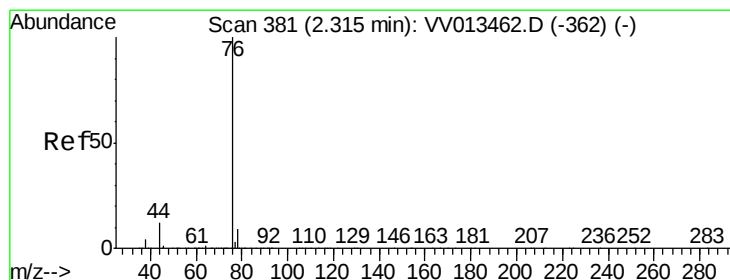
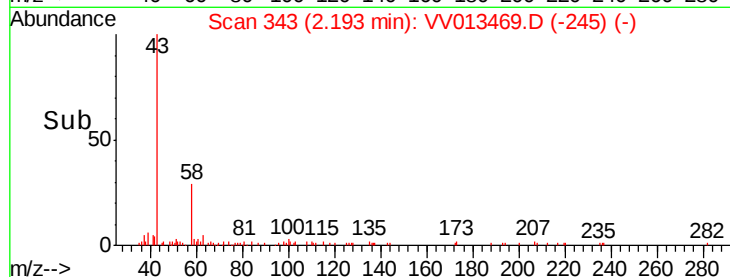
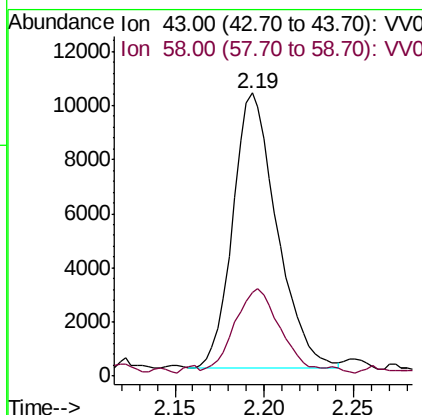
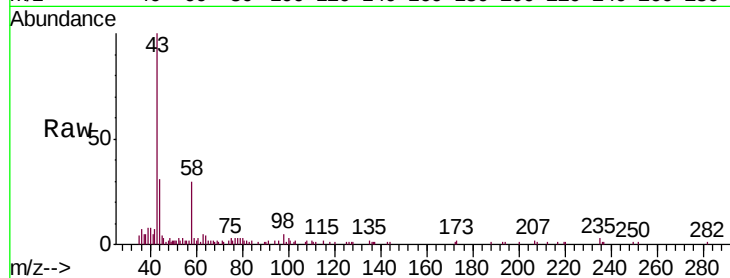
#13
Acetone
Concen: 2.985 ug/L
RT: 2.19 min Scan# 343
Delta R.T. -0.02 min
Lab File: VV013469.D
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MSVOA_V
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Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.1	0.0	63.2

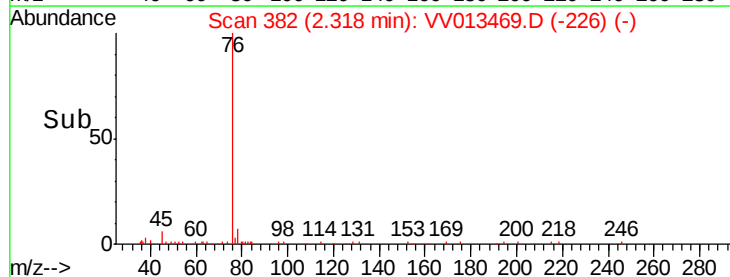
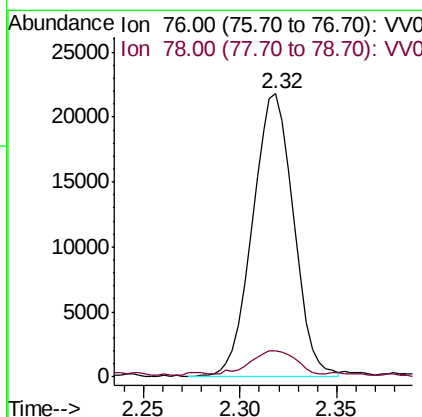
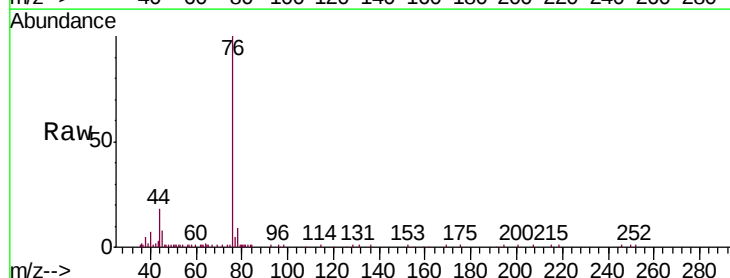
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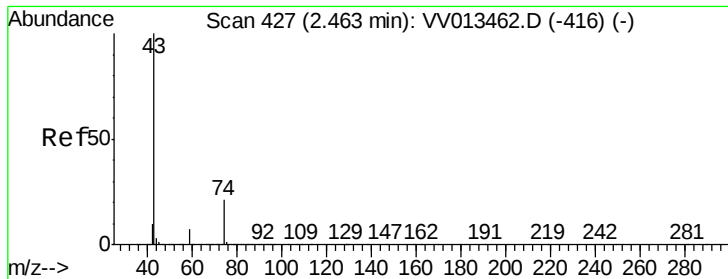
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#14
Carbon disulfide
Concen: 0.908 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7





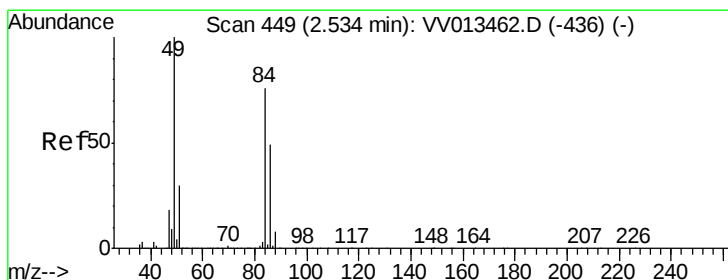
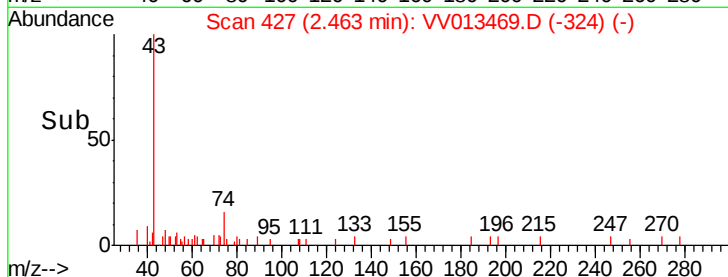
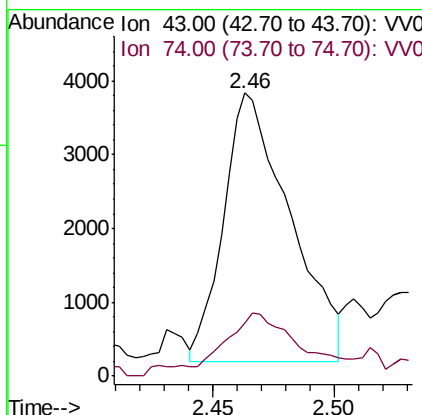
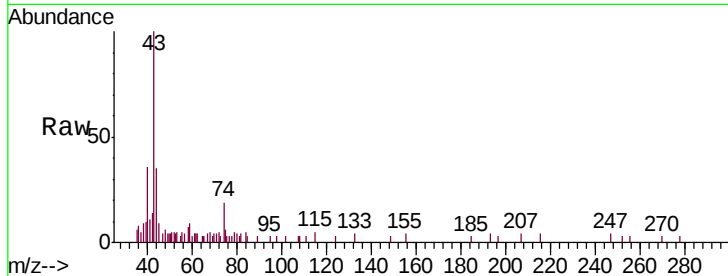
#15
Methyl Acetate
Concen: 0.782 ug/L m
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion: 43 Resp: 6941
Ion Ratio Lower Upper
43 100
74 1.0 16.9 25.3#

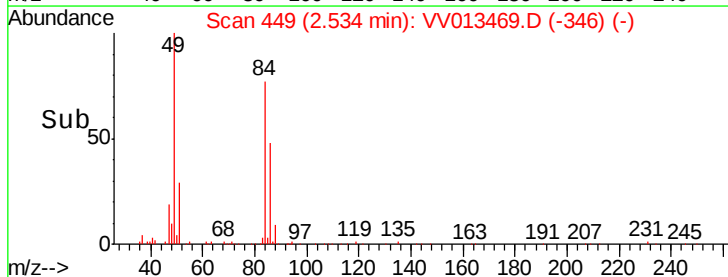
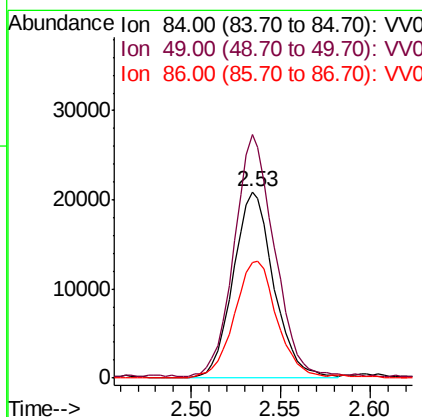
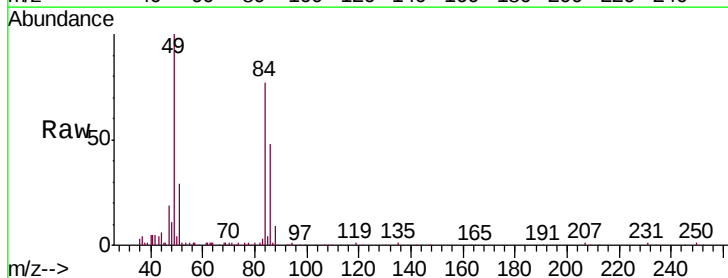
Manual Integrations
APPROVED

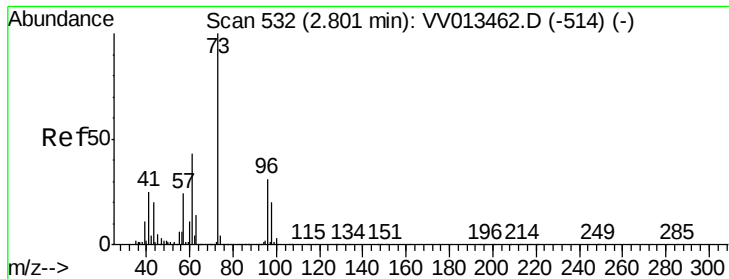
MMDadoda
11/4/2019 12:38:36 PM



#16
Methylene chloride
Concen: 2.340 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Tgt Ion: 84 Resp: 33244
Ion Ratio Lower Upper
84 100
49 130.5 92.4 171.6
86 62.0 45.1 83.7





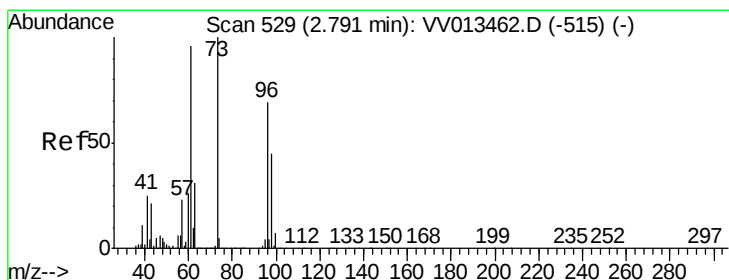
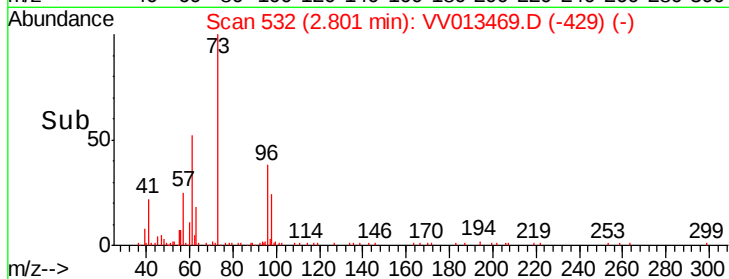
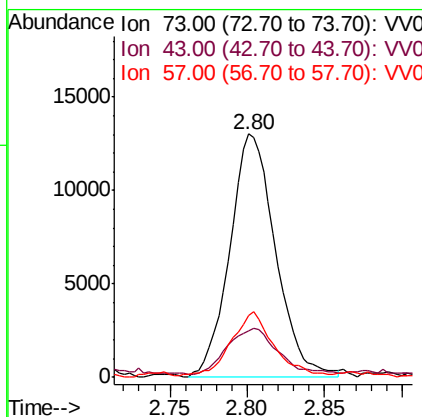
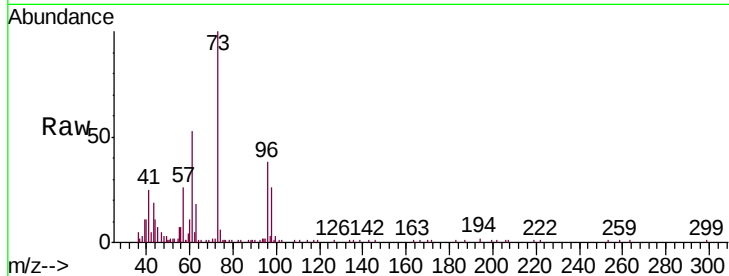
#17
Methyl tert-butyl Ether
Concen: 0.890 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion:	73	Resp:	26797
Ion	Ratio	Lower	Upper
73	100		
43	20.7	16.2	24.2
57	24.0	18.6	27.8

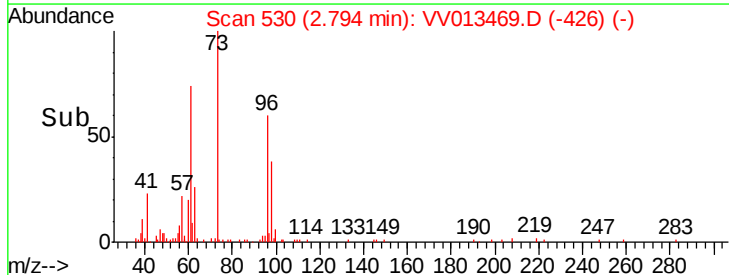
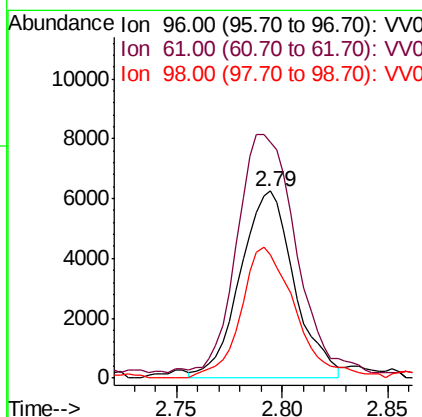
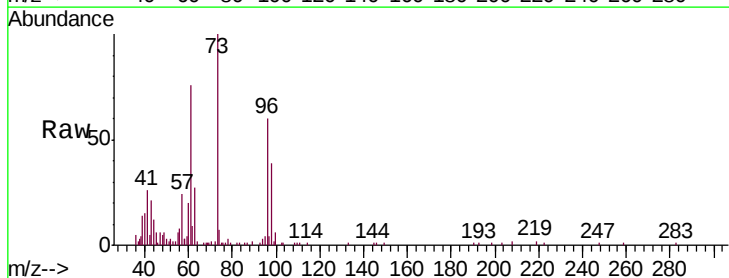
Manual Integrations
APPROVED

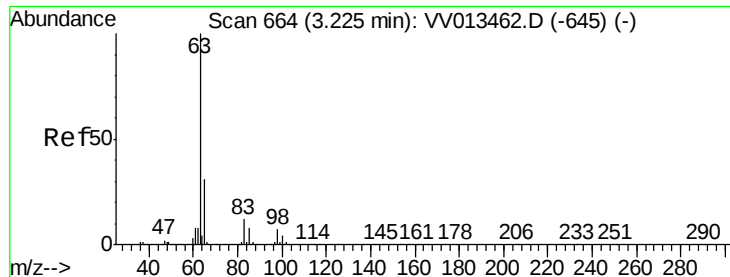
MMDadoda
11/4/2019 12:38:36 PM



#18
trans-1,2-Dichloroethene
Concen: 0.911 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Tgt Ion:	96	Resp:	11149
Ion	Ratio	Lower	Upper
96	100		
61	126.6	98.0	182.0
98	65.8	45.6	84.8





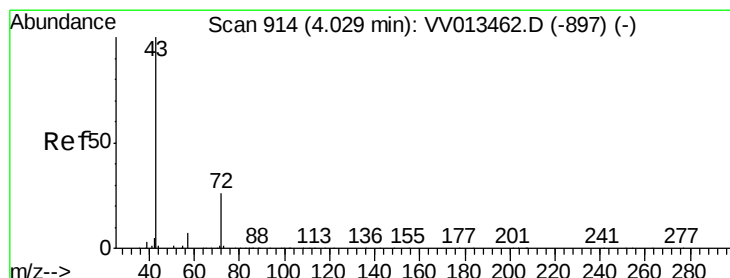
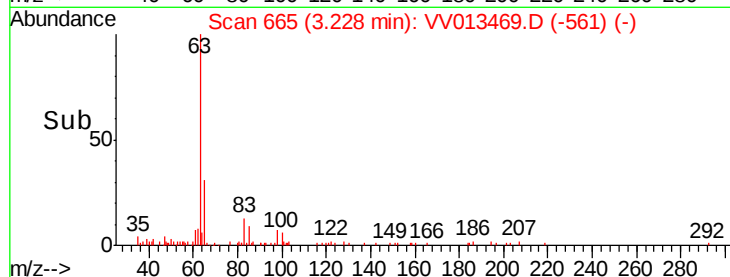
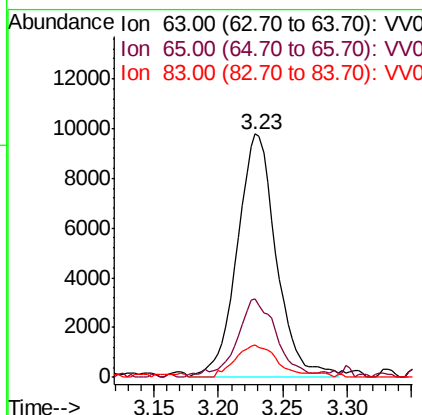
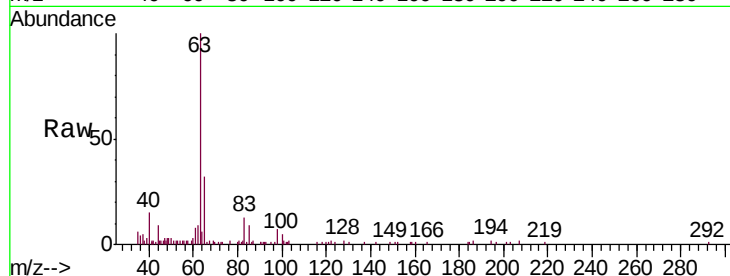
#19
 1,1-Dichloroethane
 Concen: 0.928 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013469.D
 Acq: 01 Nov 2019 15:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.3	21.7	40.3
83	13.2	8.8	16.3

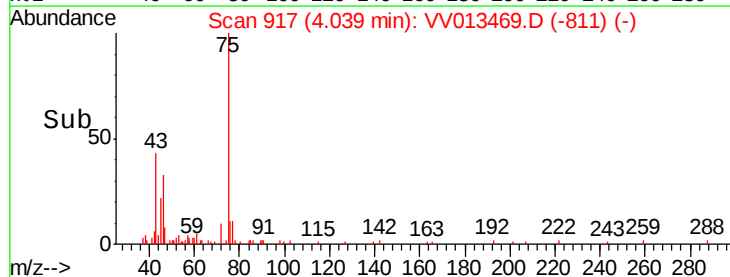
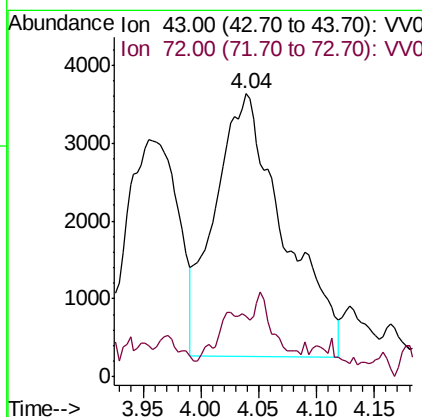
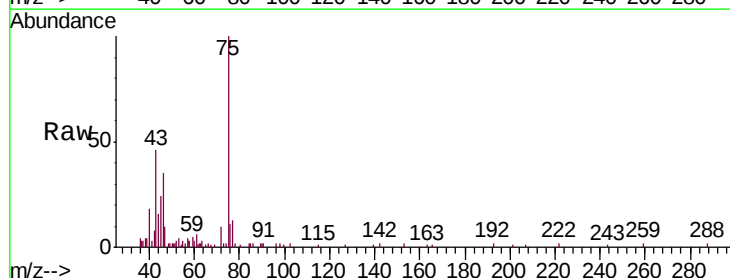
Manual Integrations
 APPROVED

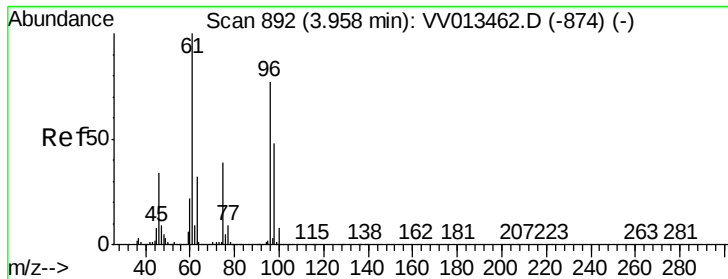
MMDadoda
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#21
 2-Butanone
 Concen: 2.293 ug/L m
 RT: 4.04 min Scan# 917
 Delta R.T. 0.01 min
 Lab File: VV013469.D
 Acq: 01 Nov 2019 15:24

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.6	12.1	36.3#





#22

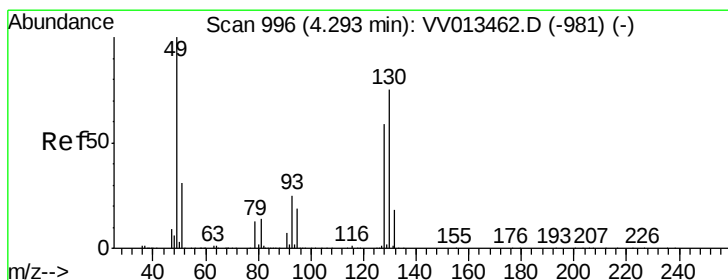
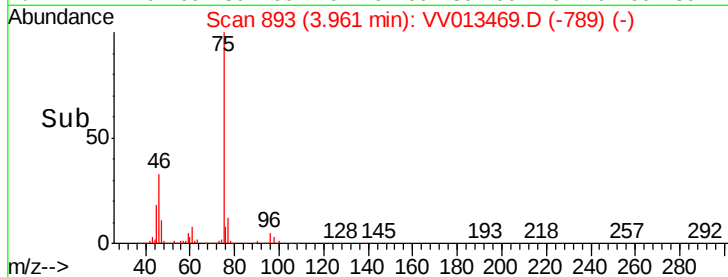
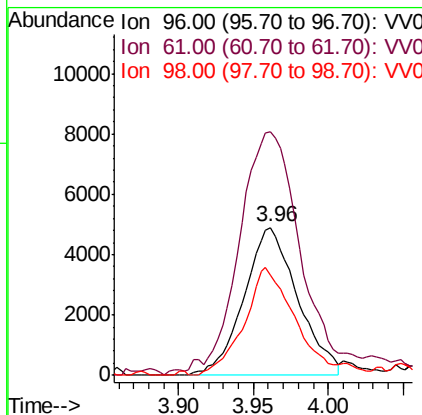
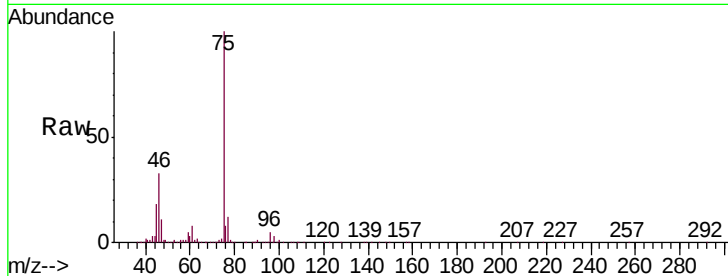
cis-1,2-Dichloroethene
Concen: 0.951 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.4	91.5	169.9
98	68.1	43.8	81.3

Manual Integrations
APPROVED

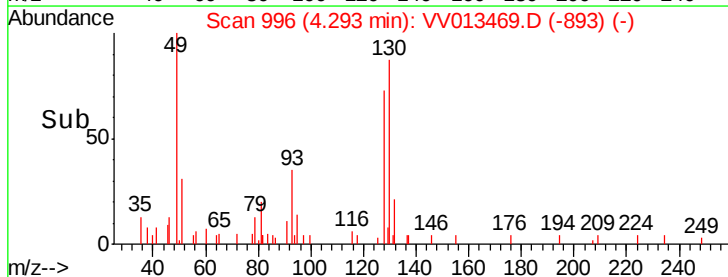
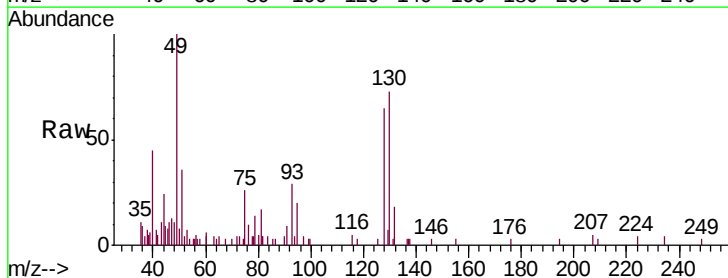
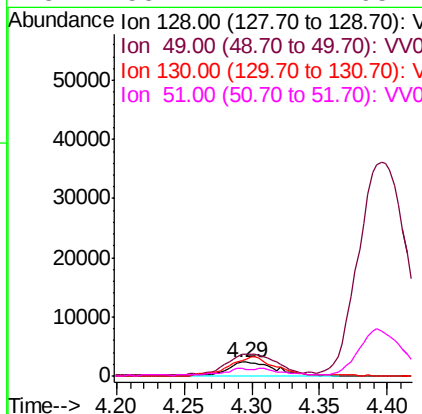
MMDadoda
11/4/2019 12:38:36 PM

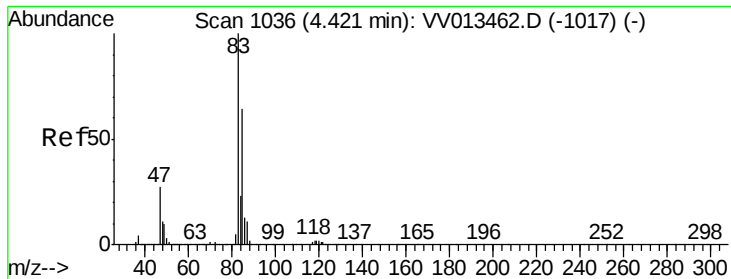


#23

Bromochloromethane
Concen: 0.951 ug/L m
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Tgt Ion	Ratio	Lower	Upper
128	100		
49	153.6	118.2	219.4
130	112.4	89.0	165.4
51	55.2	42.2	63.4





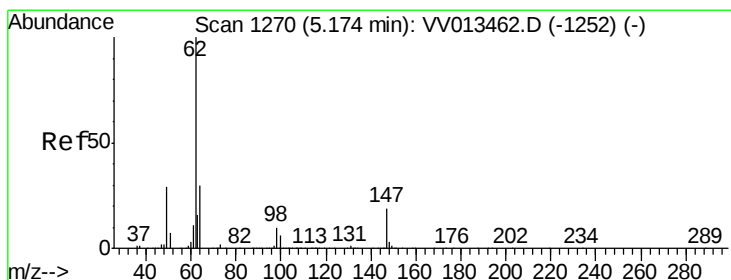
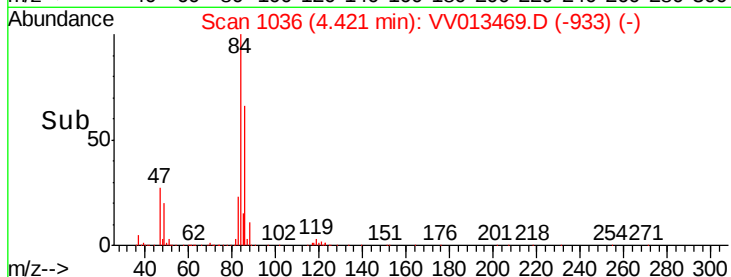
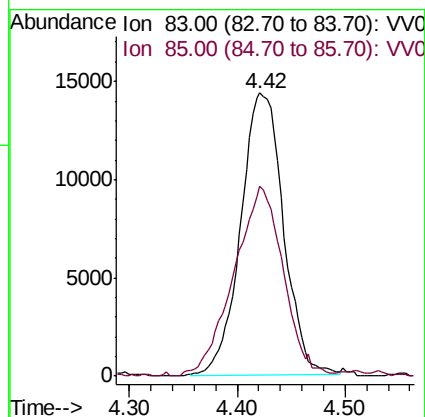
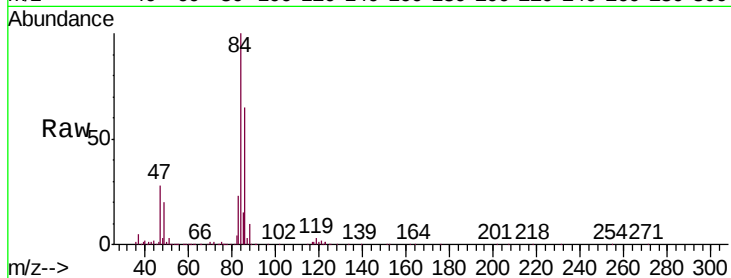
#25
Chloroform
Concen: 1.733 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion: 83 Resp: 39586
Ion Ratio Lower Upper
83 100
85 76.0 45.8 85.0

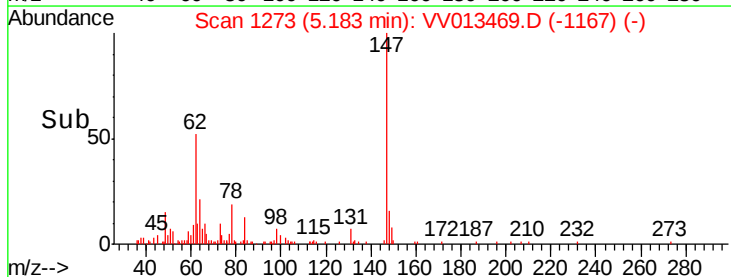
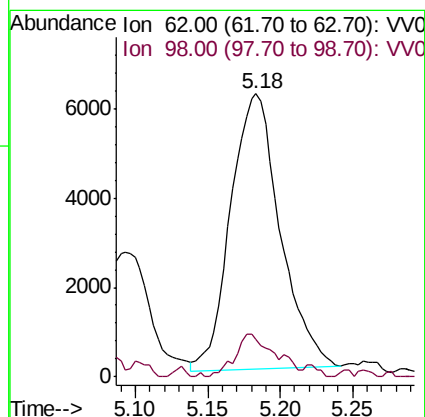
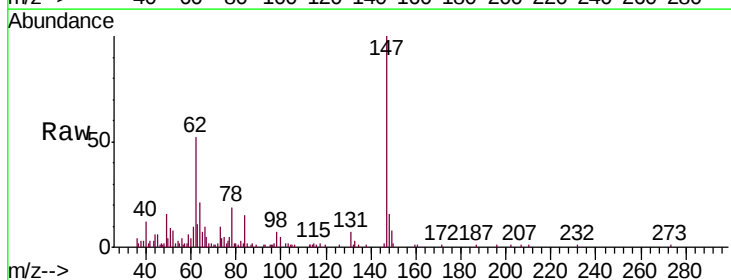
Manual Integrations
APPROVED

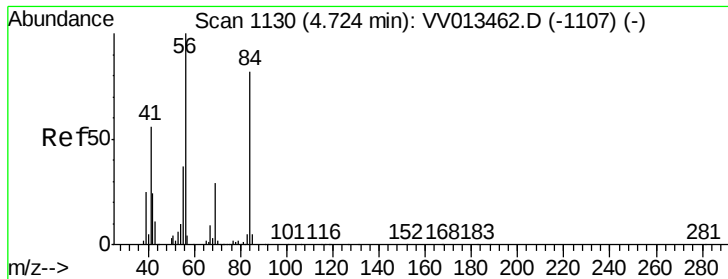
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#27
1,2-Dichloroethane
Concen: 0.918 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Tgt Ion: 62 Resp: 14559
Ion Ratio Lower Upper
62 100
98 13.2 7.8 11.6#





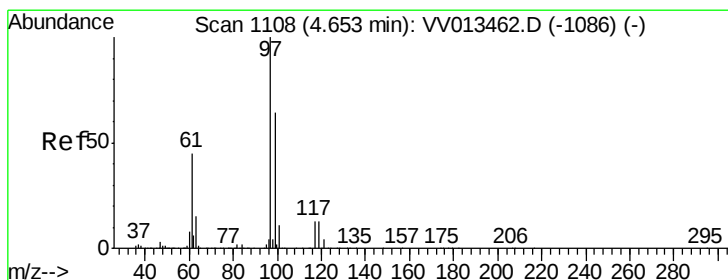
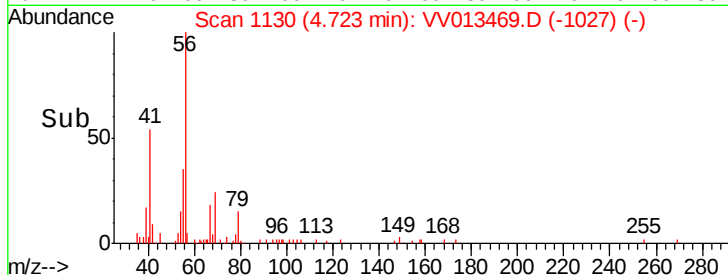
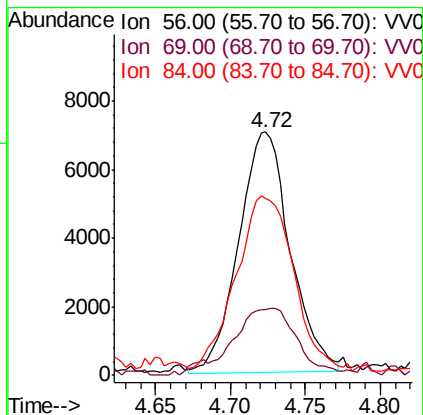
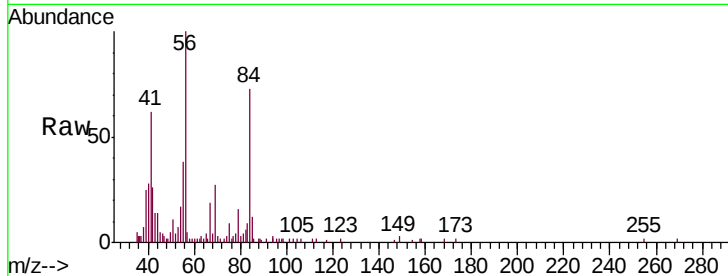
#30
Cyclohexane
Concen: 0.851 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.9	23.0	34.6
84	78.2	66.2	99.4

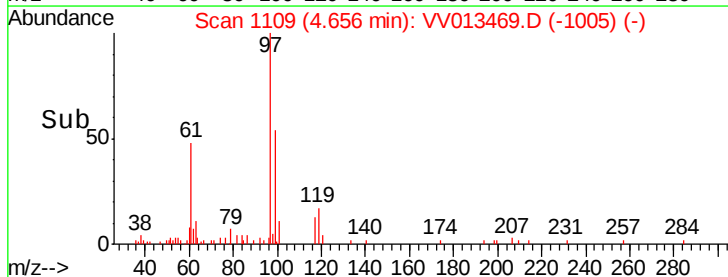
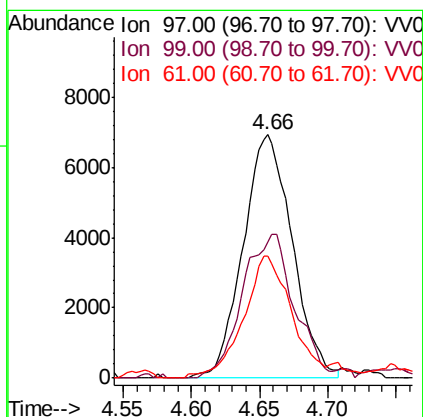
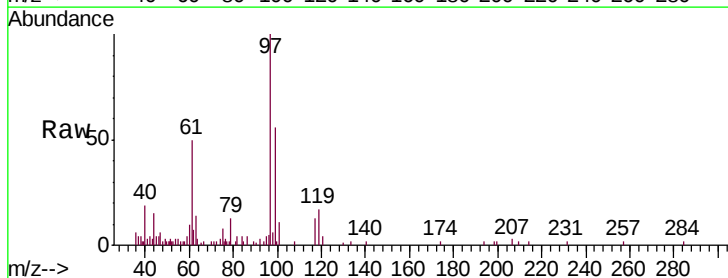
Manual Integrations
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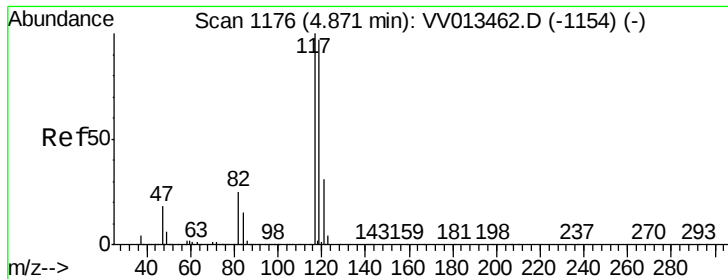
MMDadoda
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#31
1,1,1-Trichloroethane
Concen: 0.932 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	44.4	36.3	54.5





#32

Carbon tetrachloride

Concen: 0.904 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tgt Ion:117 Resp: 15014

Ion Ratio Lower Upper

117 100

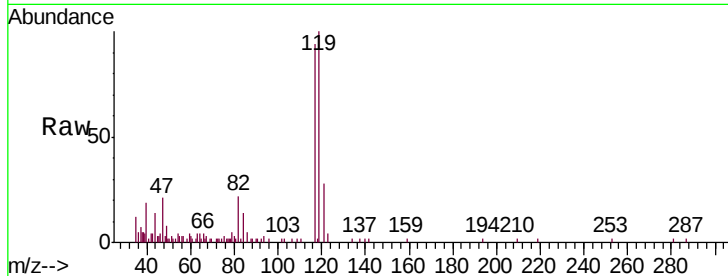
119 101.9 77.4 116.0

Manual Integrations

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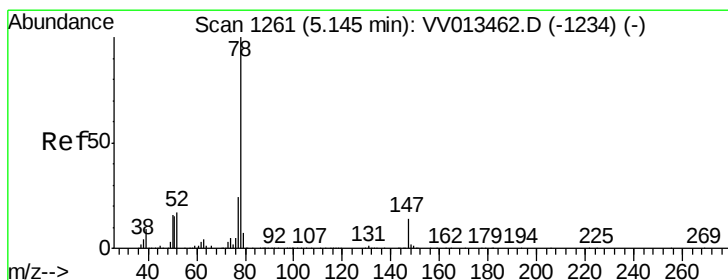
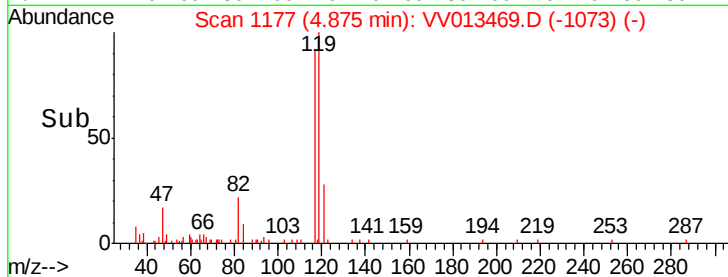
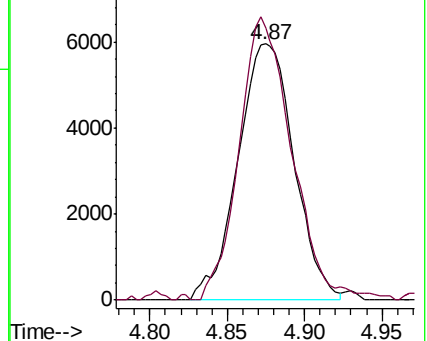
MMDadoda

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 0.958 ug/L

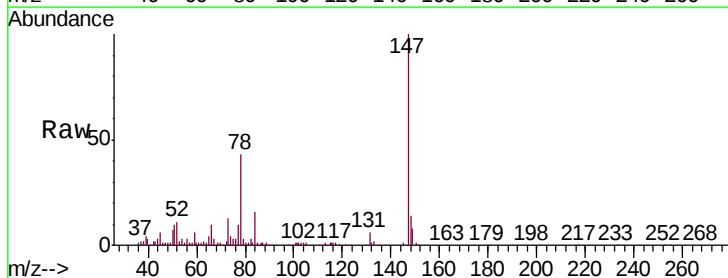
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

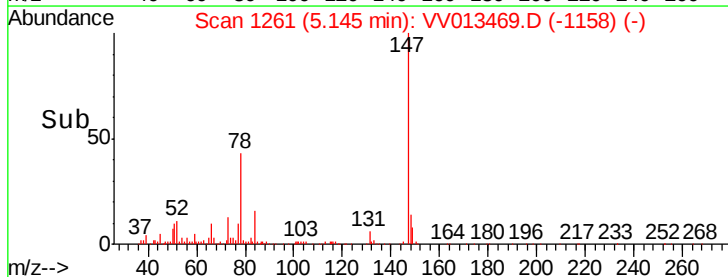
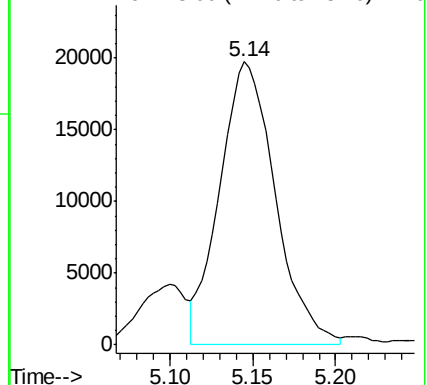
Lab File: VV013469.D

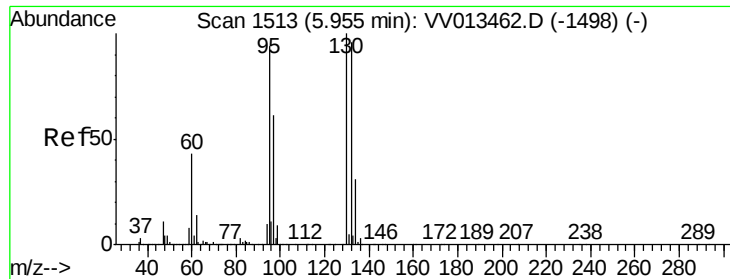
Acq: 01 Nov 2019 15:24

Tgt Ion: 78 Resp: 46174



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 1.015 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

Instrument :

MSVOA_V

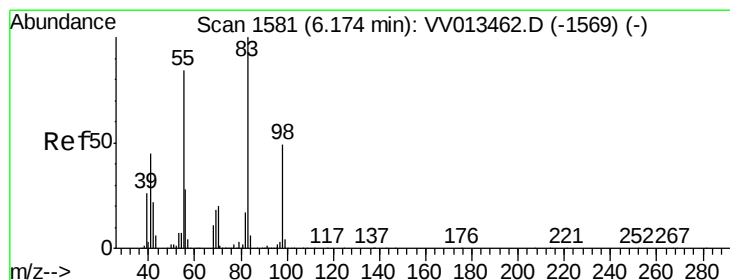
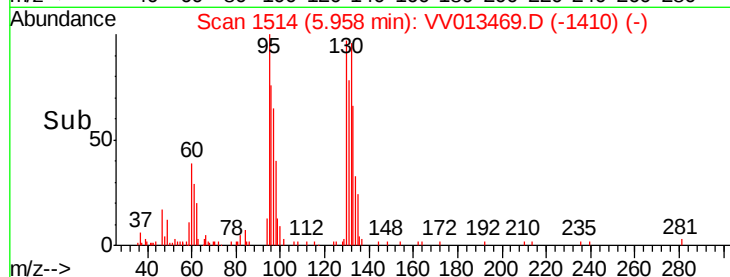
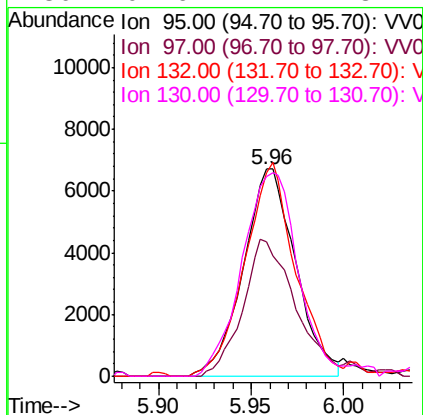
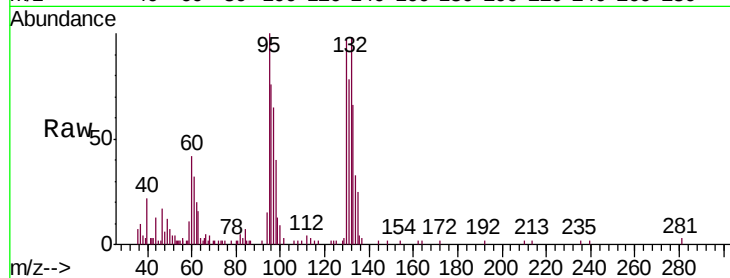
ClientSampled :

MDL03

Tgt Ion	Ratio	Lower	Upper
95	100		
97	65.7	44.7	83.1
132	99.8	71.0	131.8
130	104.6	74.1	137.7

Manual Integrations
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#36

Methylcyclohexane

Concen: 0.751 ug/L

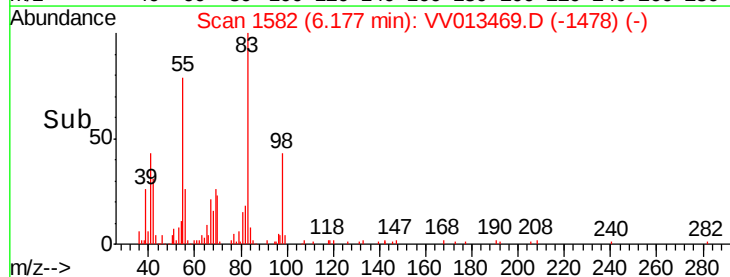
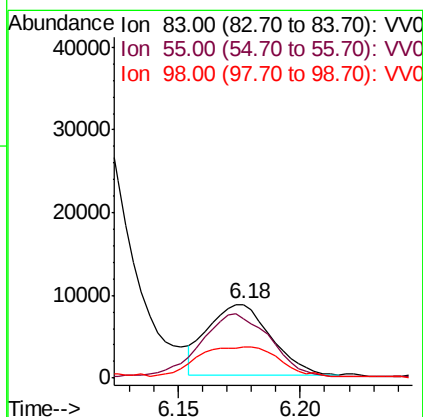
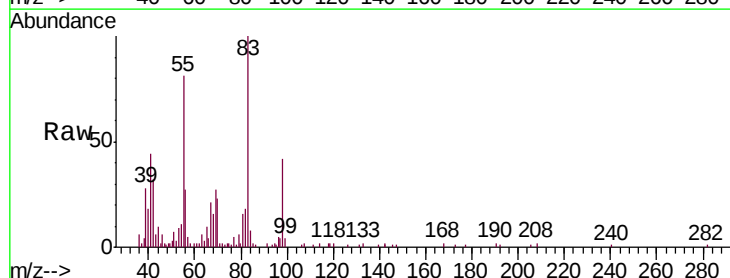
RT: 6.18 min Scan# 1582

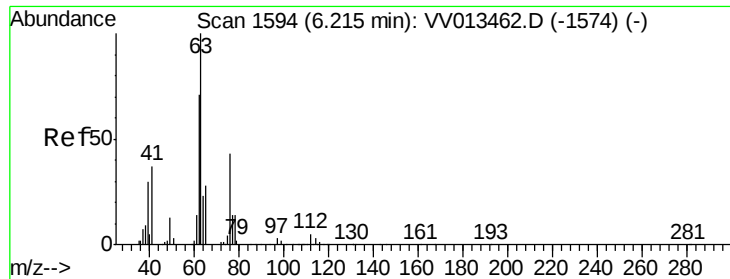
Delta R.T. 0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

Tgt Ion	Ratio	Lower	Upper
83	100		
55	102.3	64.2	96.4#
98	23.6	38.4	57.6#





#40

1,2-Dichloropropane

Concen: 0.887 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tgt Ion: 63 Resp: 10768

Ion Ratio Lower Upper

63 100

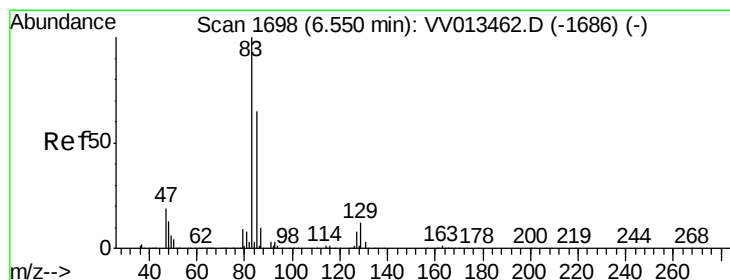
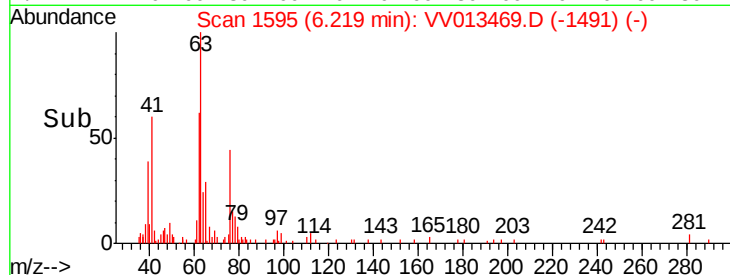
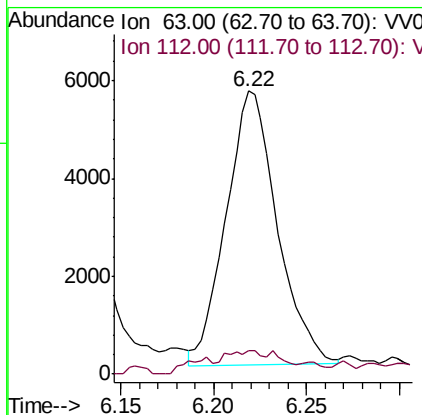
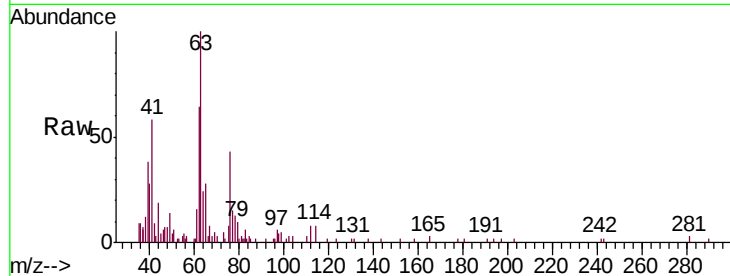
112 0.7 3.8 5.6#

Manual Integrations

APPROVED

MMDadoda

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#41

Bromodichloromethane

Concen: 0.854 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

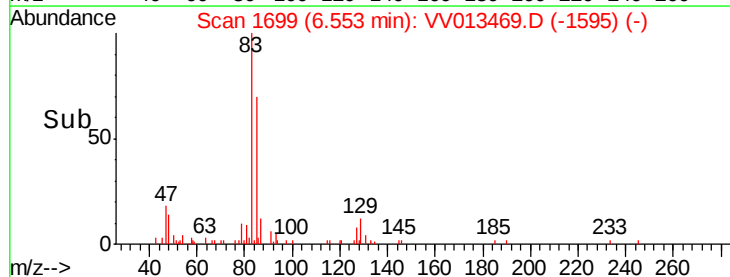
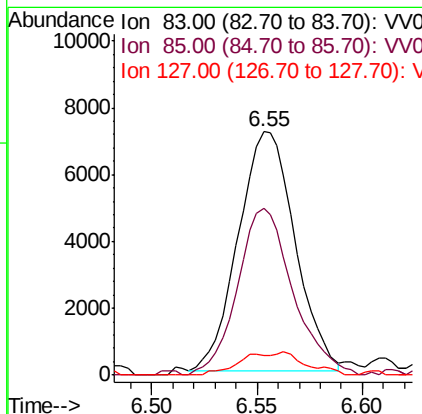
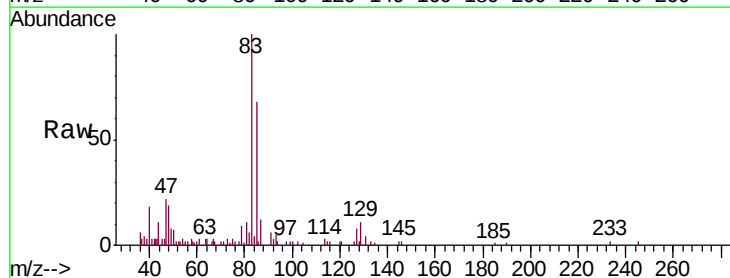
Tgt Ion: 83 Resp: 13334

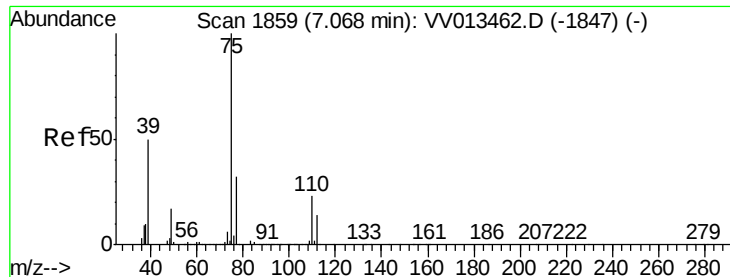
Ion Ratio Lower Upper

83 100

85 68.3 45.4 84.4

127 8.0 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 0.901 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tgt Ion: 75 Resp: 16213

Ion Ratio Lower Upper

75 100

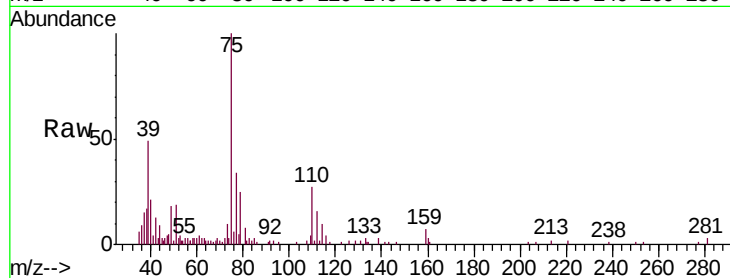
77 34.1 22.7 42.1

Manual Integrations

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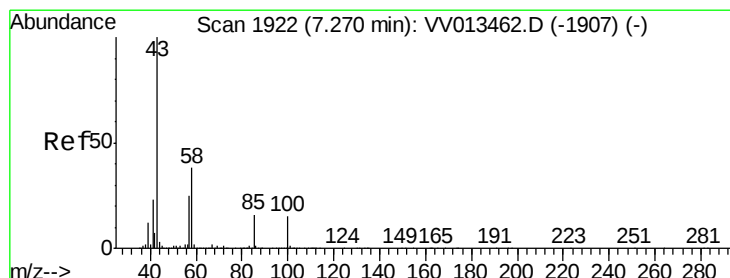
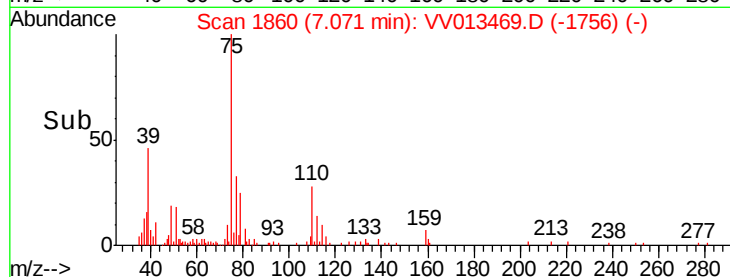
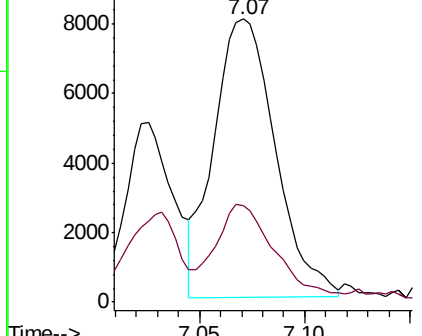
MMDadoda

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Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#43

4-Methyl-2-pentanone

Concen: 1.902 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.01 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

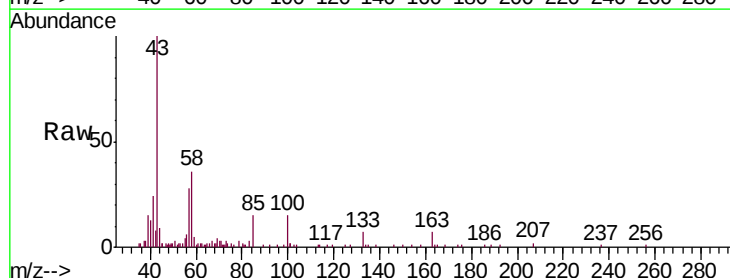
Tgt Ion: 43 Resp: 21299

Ion Ratio Lower Upper

43 100

58 39.4 29.9 44.9

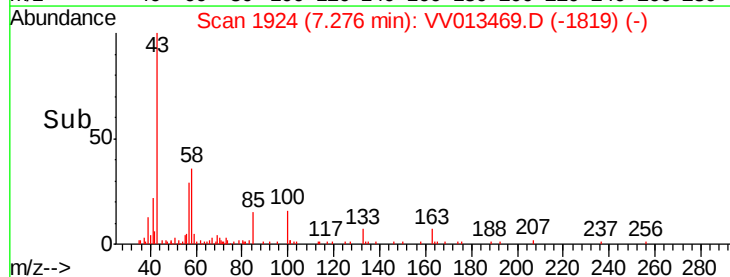
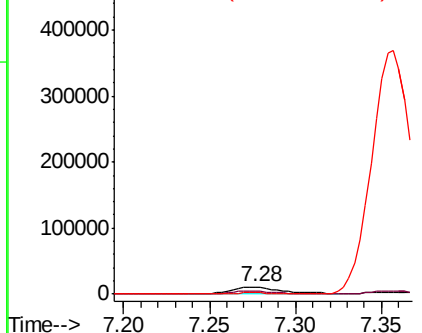
100 14.6 11.5 17.3

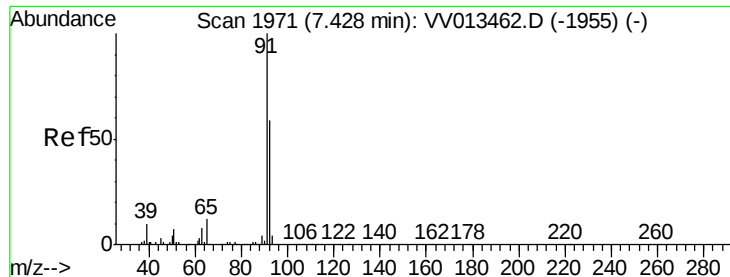


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#44

Toluene

Concen: 0.987 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tgt Ion: 91 Resp: 48571

Ion Ratio Lower Upper

91 100

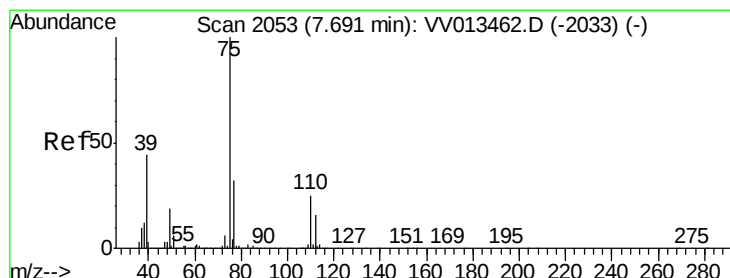
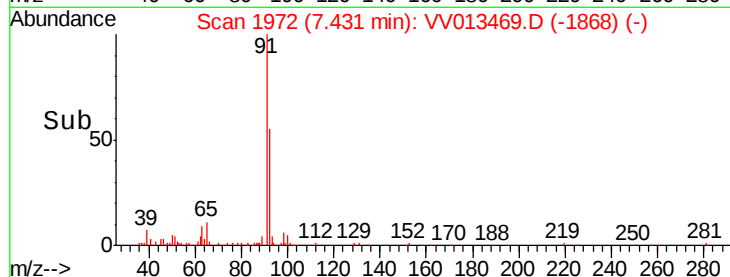
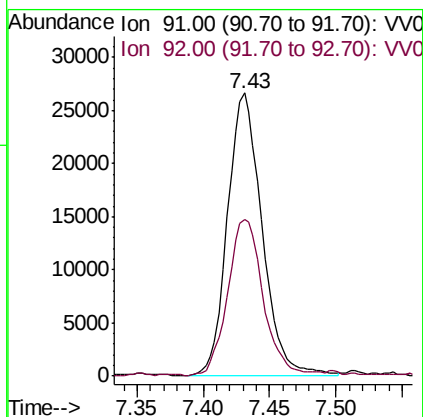
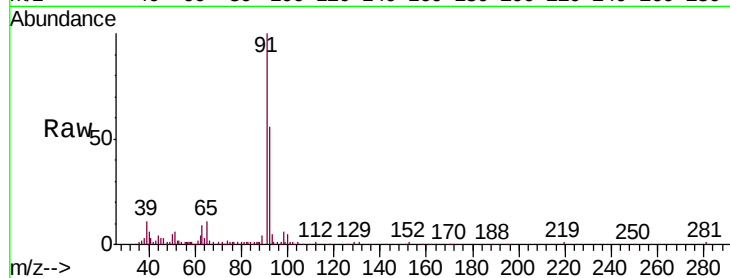
92 55.6 41.4 76.8

Manual Integrations

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#45

trans-1,3-Dichloropropene

Concen: 0.797 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV013469.D

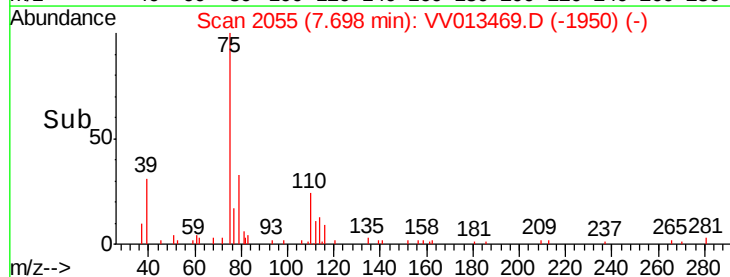
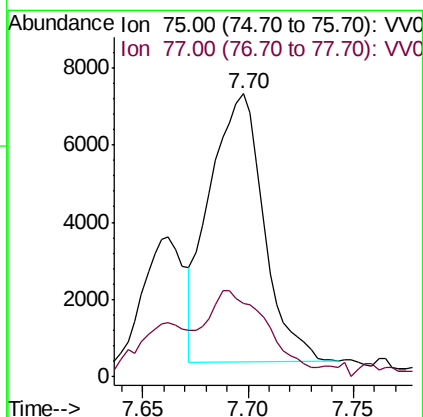
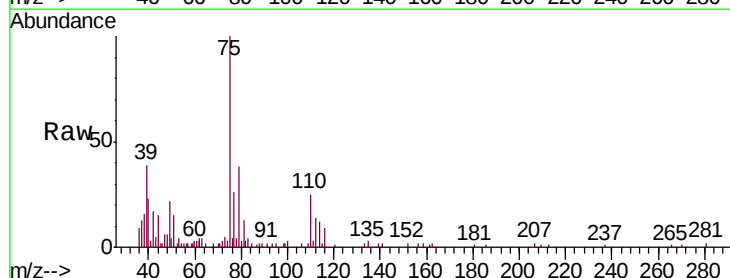
Acq: 01 Nov 2019 15:24

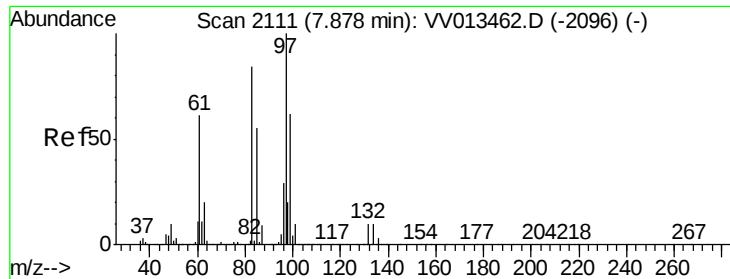
Tgt Ion: 75 Resp: 12294

Ion Ratio Lower Upper

75 100

77 26.0 22.5 41.7





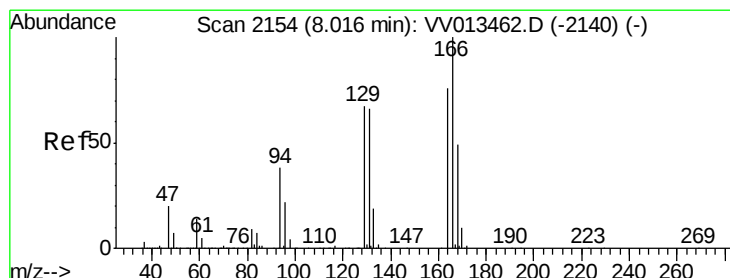
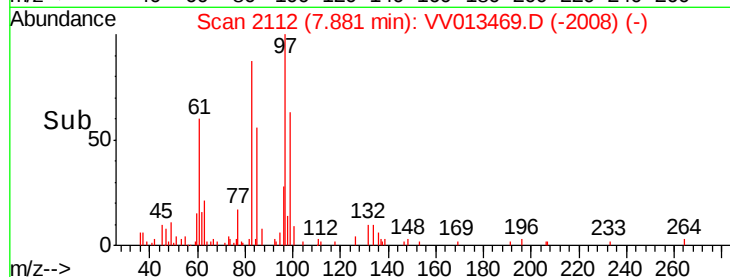
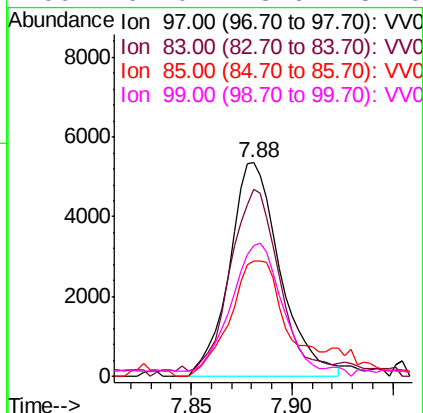
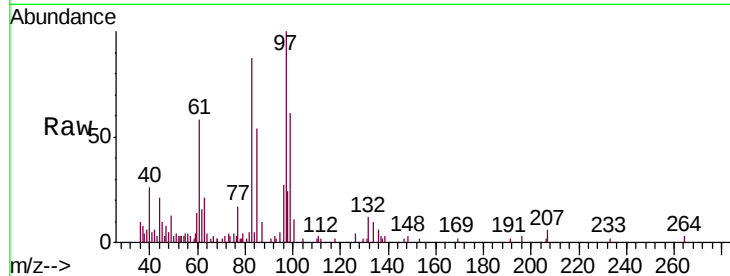
#46
 1,1,2-Trichloroethane
 Concen: 0.969 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013469.D
 Acq: 01 Nov 2019 15:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.3	58.9	109.3
85	54.1	38.6	71.6
99	61.0	43.6	81.0

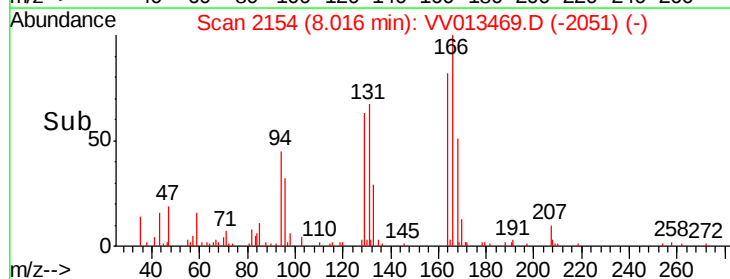
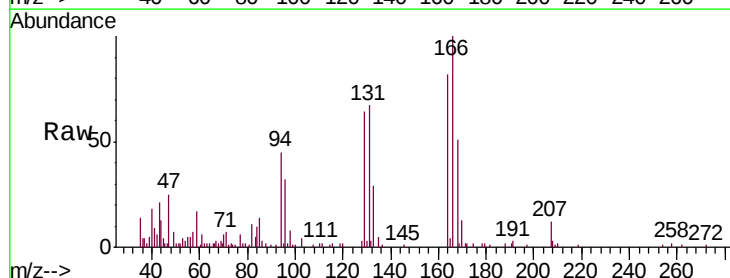
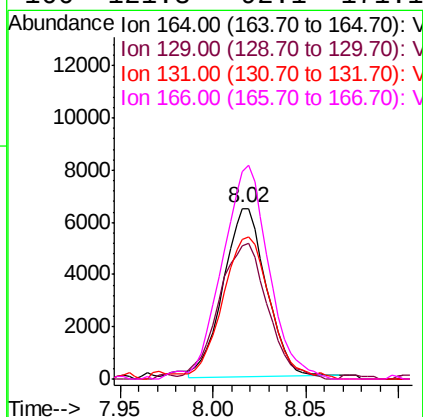
Manual Integrations
 APPROVED

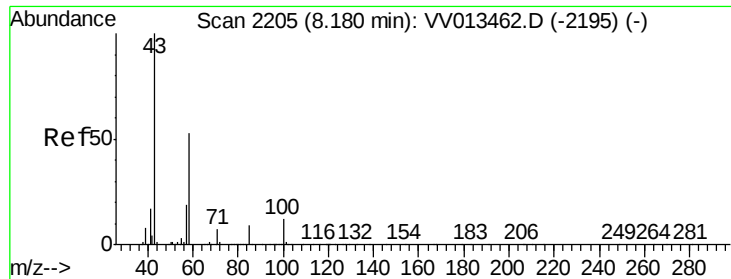
MMDadoda
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#47
 Tetrachloroethene
 Concen: 0.947 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013469.D
 Acq: 01 Nov 2019 15:24

Tgt Ion	Ratio	Lower	Upper
164	100		
129	78.0	61.8	114.8
131	81.8	61.0	113.2
166	121.3	92.1	171.1





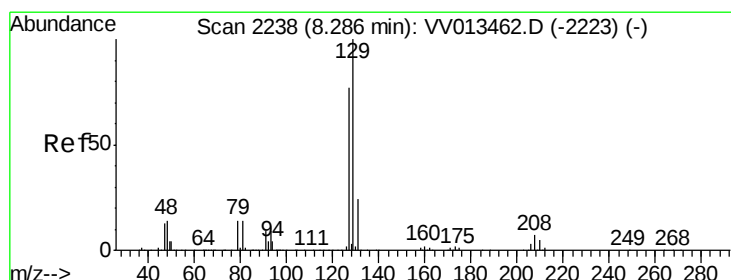
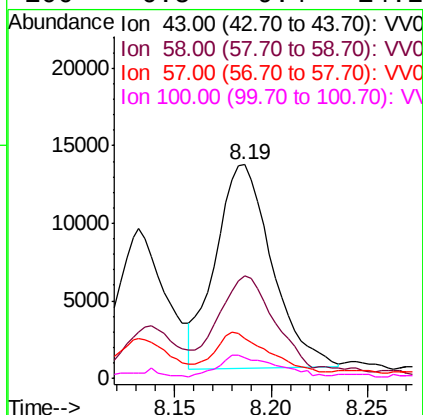
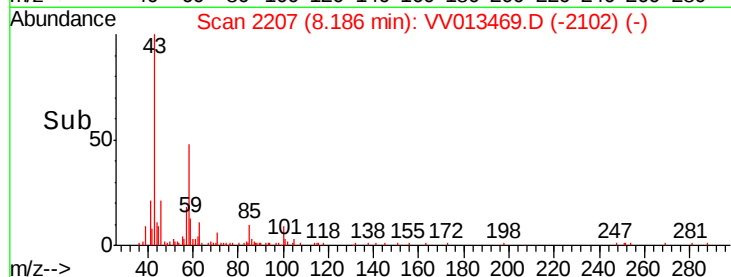
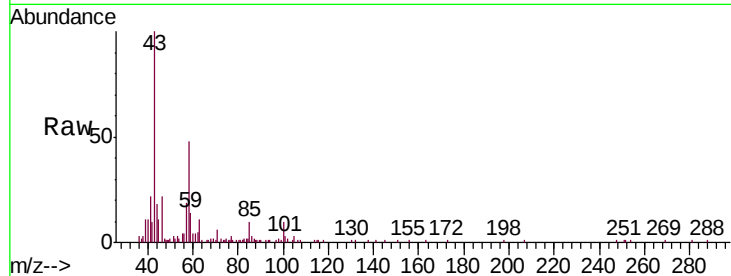
#49
2-Hexanone
Concen: 3.274 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.01 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.7	43.8	65.8#
57	18.6	15.0	22.4
100	6.5	9.4	14.2#

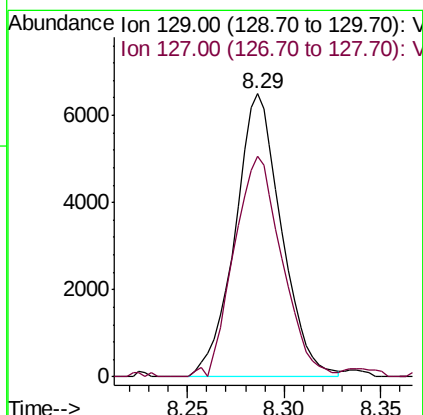
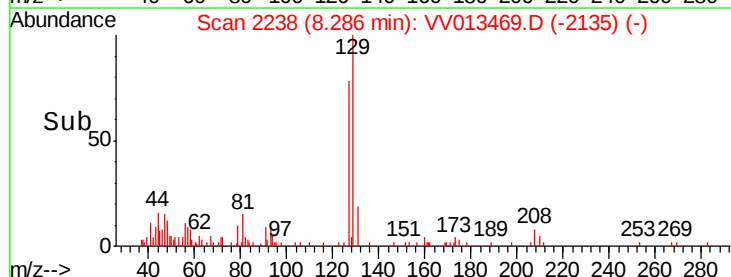
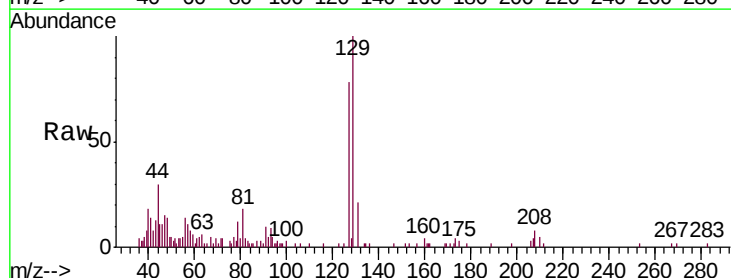
Manual Integrations
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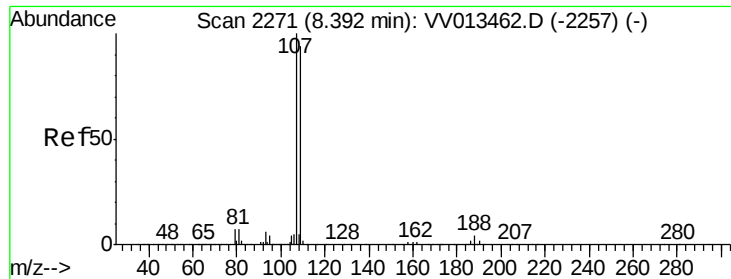
MMDadoda
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#50
Dibromochloromethane
Concen: 0.931 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	53.9	100.1





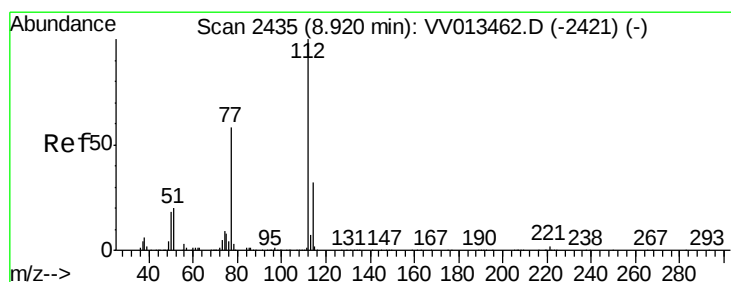
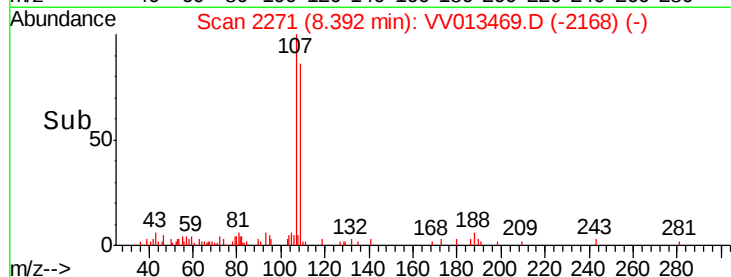
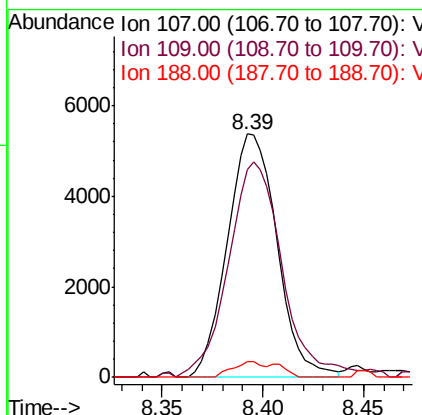
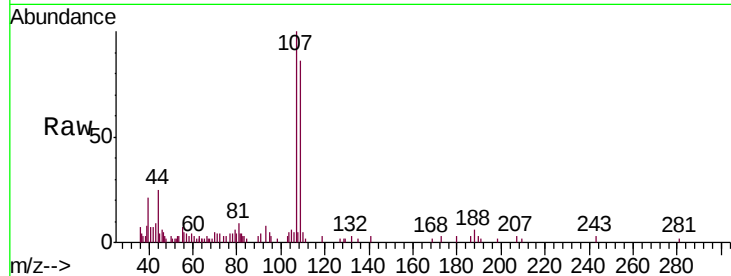
#51
1,2-Dibromoethane
Concen: 0.925 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	9296		
109	85.6	65.6	121.8	
188	6.4	3.5	5.3#	

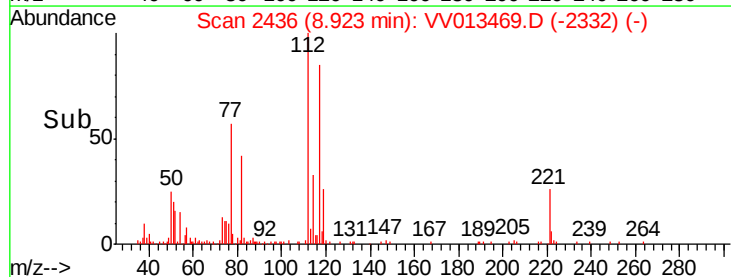
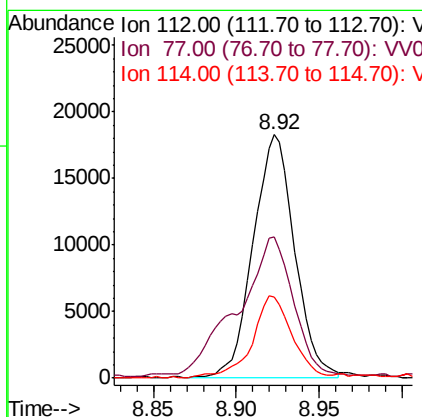
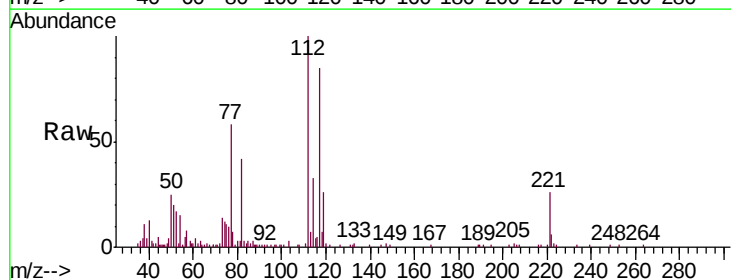
Manual Integrations
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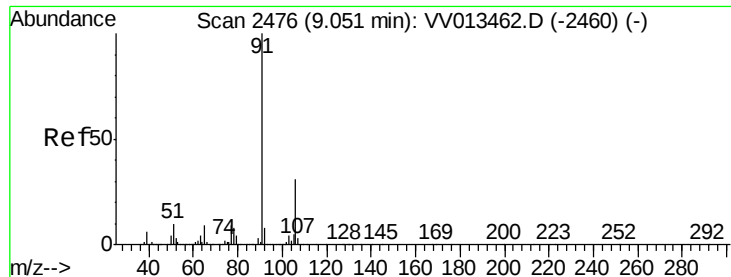
MMDadoda
11/4/2019 12:38:36 PM



#52
Chlorobenzene
Concen: 0.961 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	32018		
77	57.8	46.6	70.0	
114	33.0	22.5	41.9	





#53

Ethylbenzene

Concen: 0.856 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tgt Ion: 91 Resp: 46425

Ion Ratio Lower Upper

91 100

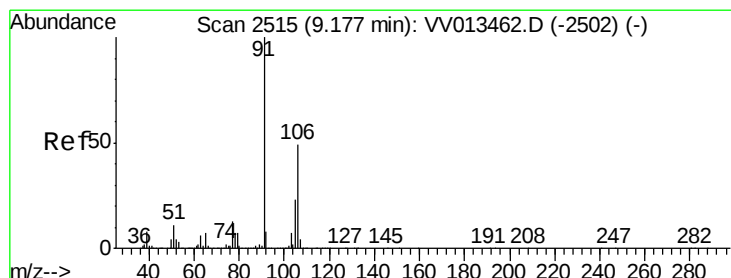
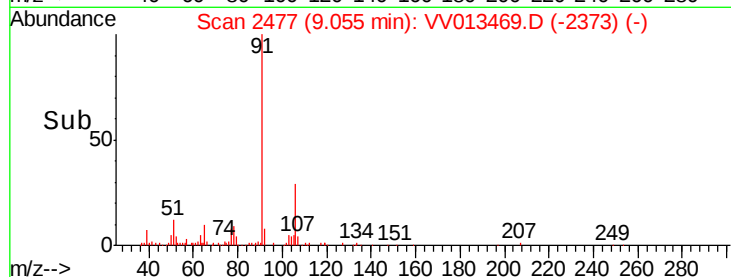
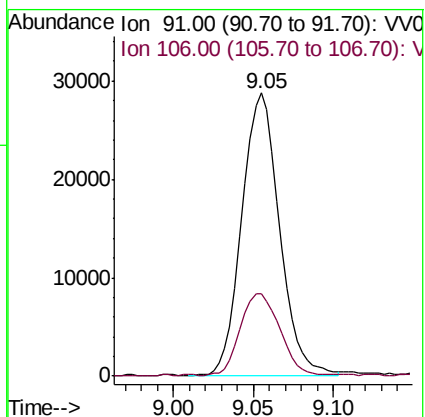
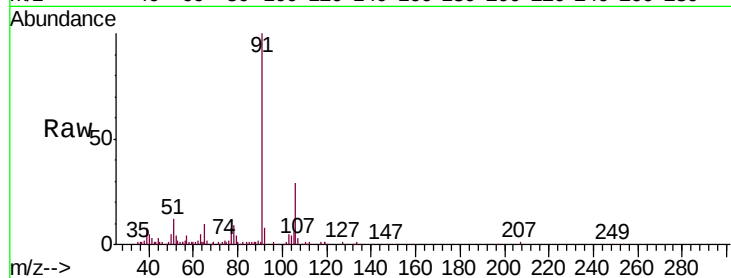
106 28.9 21.5 39.9

Manual Integrations

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#54

m,p-Xylene

Concen: 0.895 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013469.D

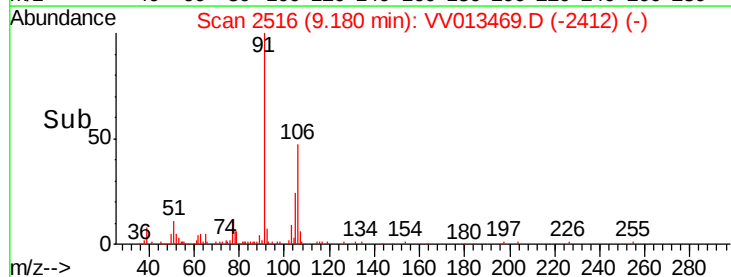
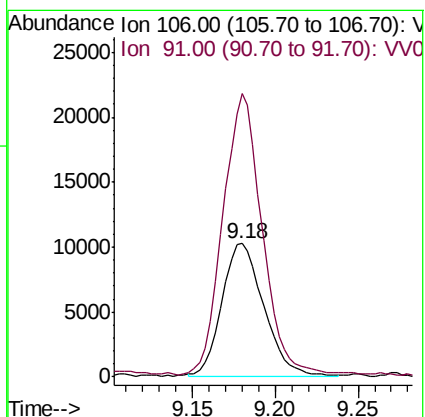
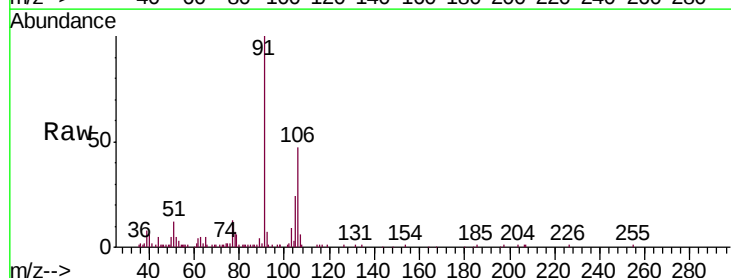
Acq: 01 Nov 2019 15:24

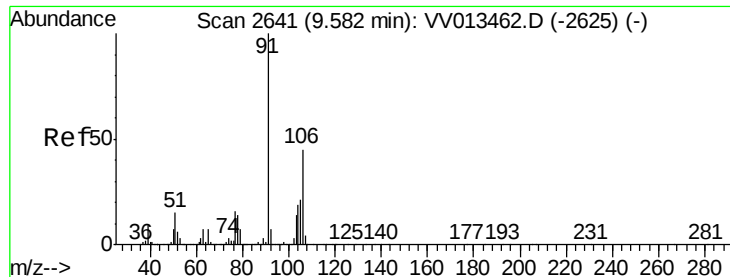
Tgt Ion: 106 Resp: 18273

Ion Ratio Lower Upper

106 100

91 212.0 141.7 263.1





#55

o-xylene

Concen: 0.786 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tgt Ion:106 Resp: 15161

Ion Ratio Lower Upper

106 100

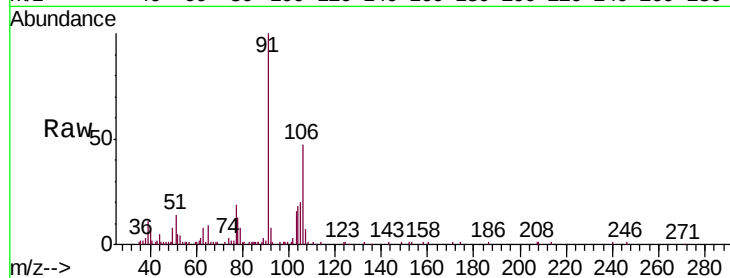
91 214.7 154.2 286.4

Manual Integrations

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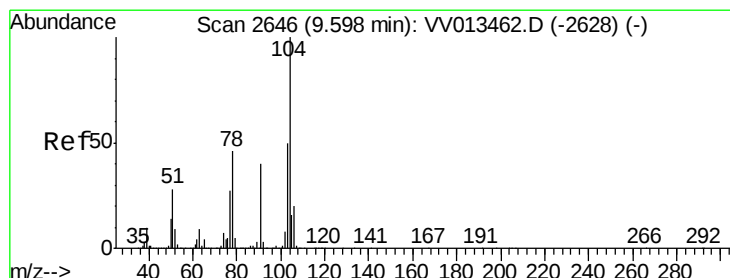
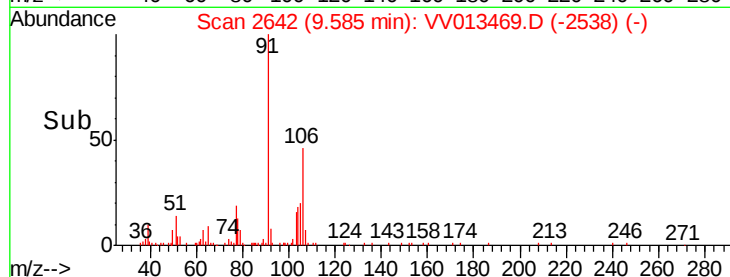
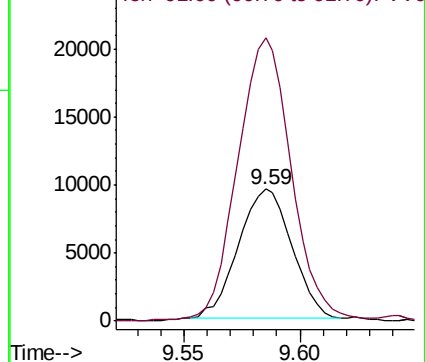
MMDadoda

11/4/2019 12:38:36 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 0.735 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.01 min

Lab File: VV013469.D

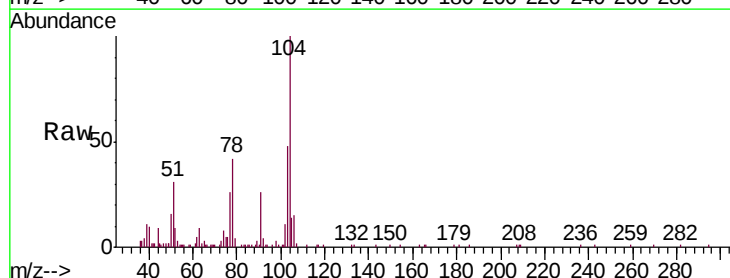
Acq: 01 Nov 2019 15:24

Tgt Ion:104 Resp: 24602

Ion Ratio Lower Upper

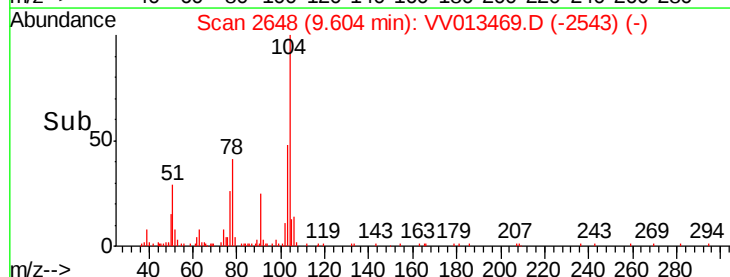
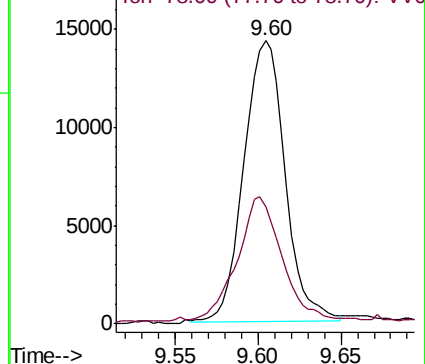
104 100

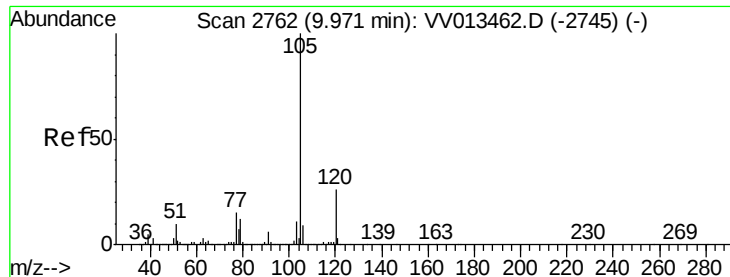
78 41.5 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 0.773 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

Instrument :

MSVOA_V

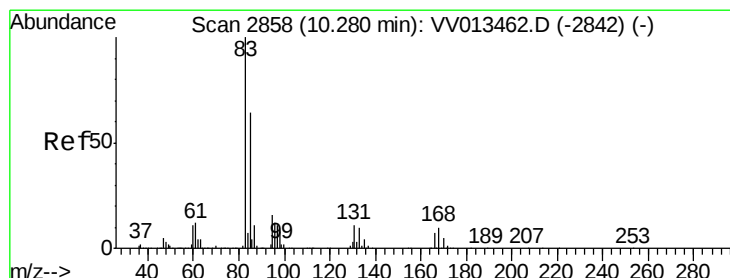
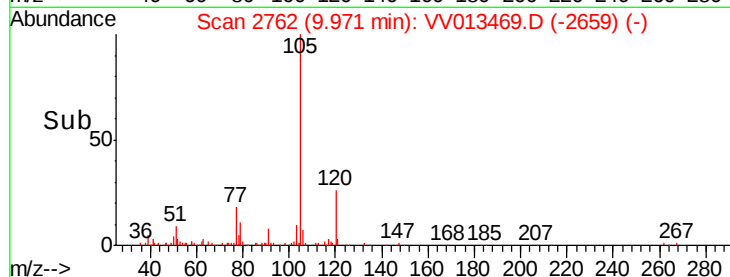
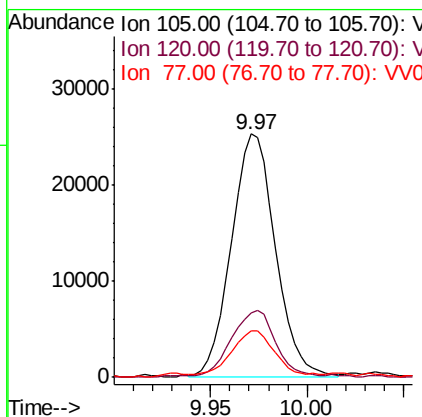
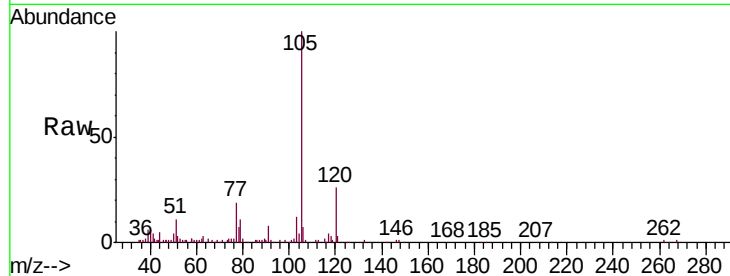
ClientSampleId :

MDL03

Tgt Ion:	105	Resp:	40239
Ion Ratio	Lower	Upper	
105	100		
120	27.8	21.1	31.7
77	17.2	12.3	18.5

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#58

1,1,2,2-Tetrachloroethane

Concen: 1.009 ug/L

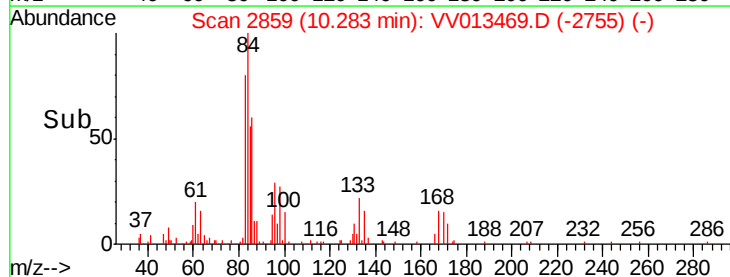
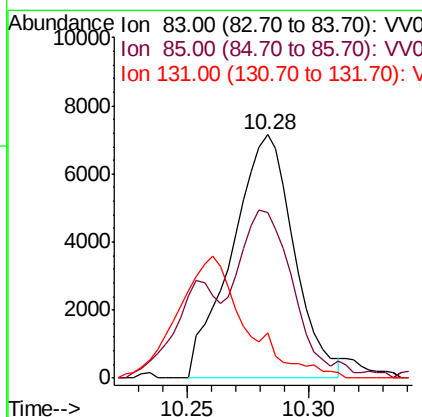
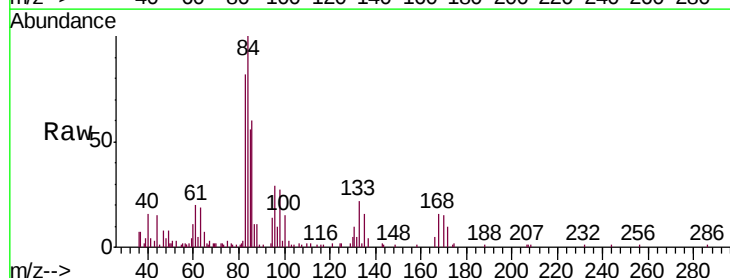
RT: 10.28 min Scan# 2859

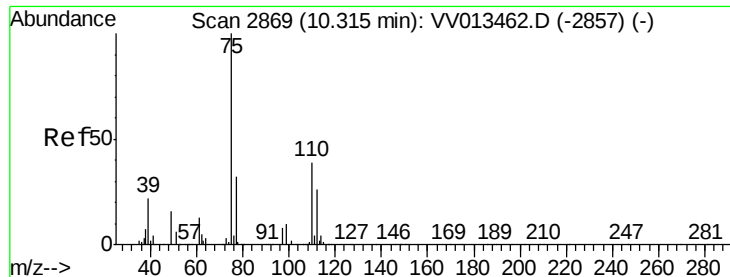
Delta R.T. 0.00 min

Lab File: VV013469.D

Acq: 01 Nov 2019 15:24

Tgt Ion:	83	Resp:	12591
Ion Ratio	Lower	Upper	
83	100		
85	68.1	45.1	83.7
131	18.6	8.5	12.7#





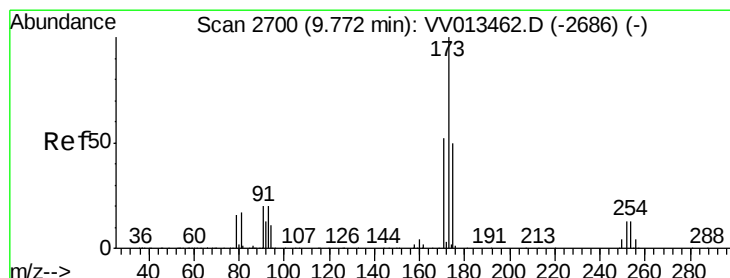
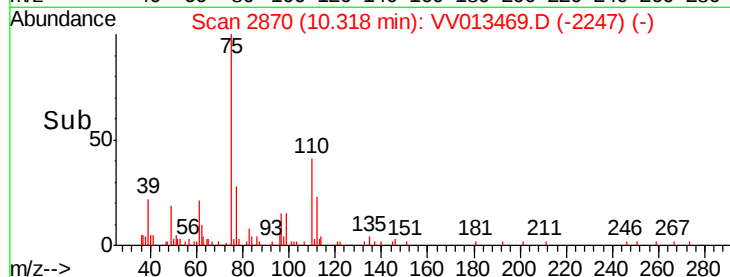
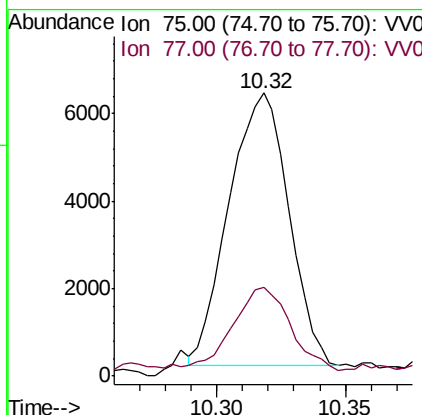
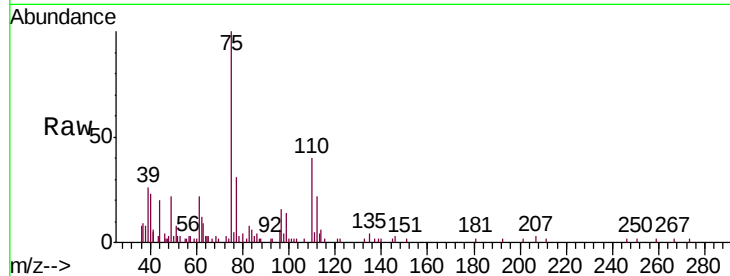
#59
 1,2,3-Trichloropropane
 Concen: 0.966 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV013469.D
 Acq: 01 Nov 2019 15:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion: 75 Resp: 10097
 Ion Ratio Lower Upper
 75 100
 77 29.0 25.7 38.5

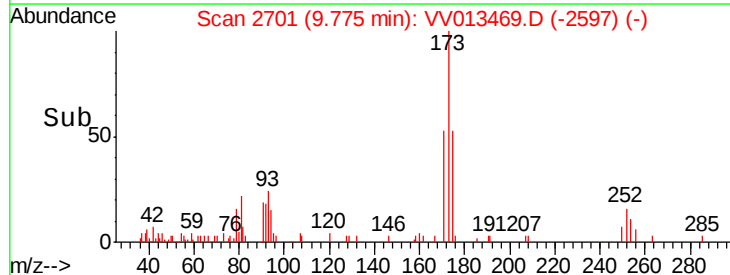
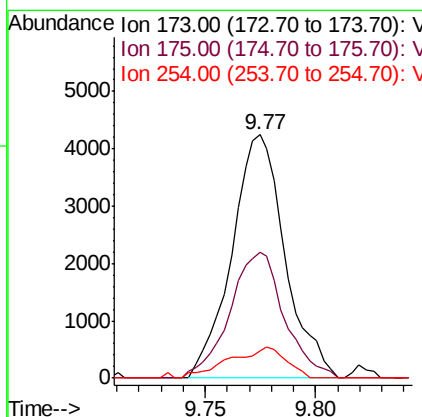
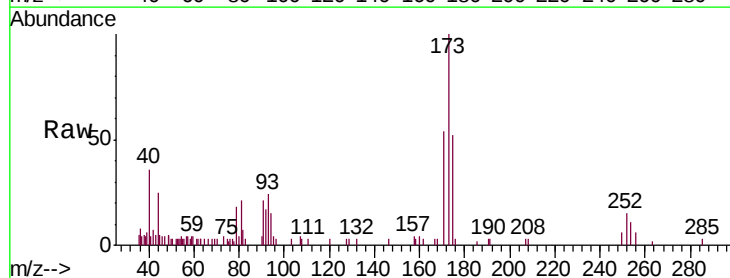
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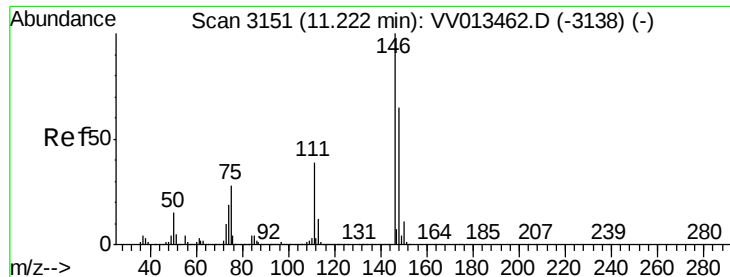
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#62
 Bromoform
 Concen: 0.945 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV013469.D
 Acq: 01 Nov 2019 15:24

Tgt Ion: 173 Resp: 7123
 Ion Ratio Lower Upper
 173 100
 175 52.8 39.4 59.0
 254 7.8 10.1 15.1#





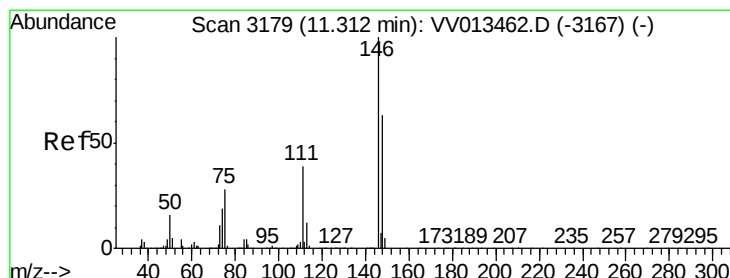
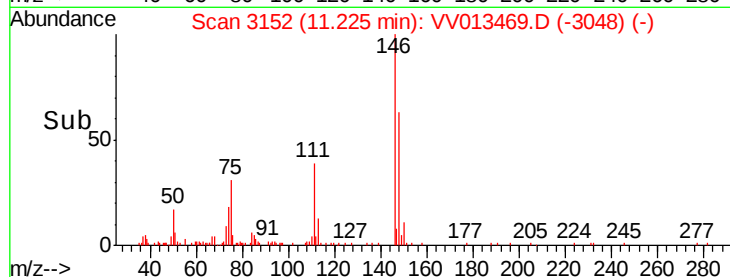
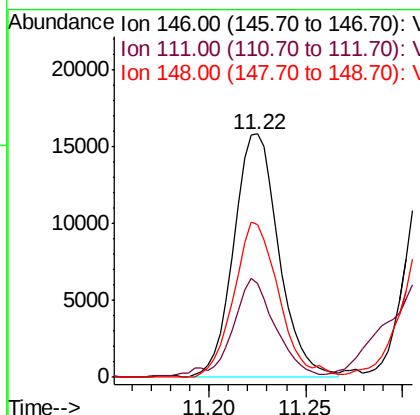
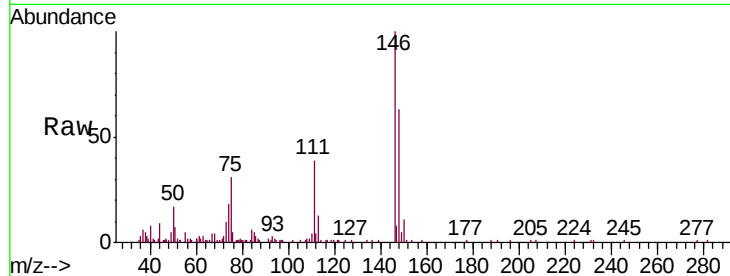
#63
 1,3-Dichlorobenzene
 Concen: 0.978 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV013469.D
 Acq: 01 Nov 2019 15:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	27.1	50.3
148	62.6	45.4	84.2

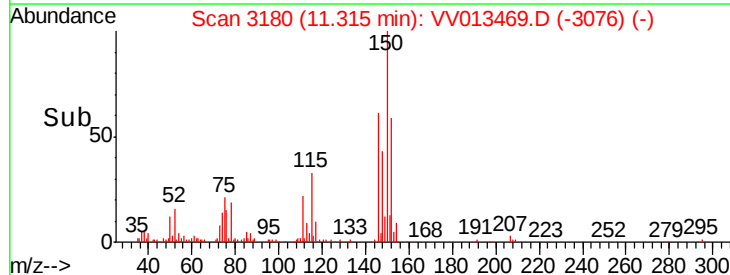
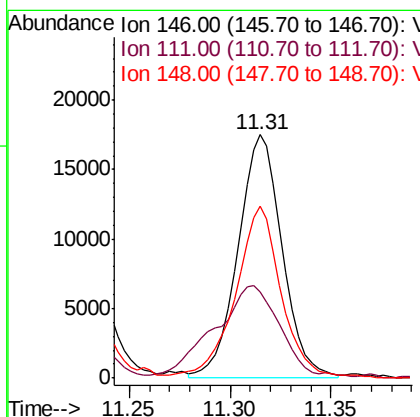
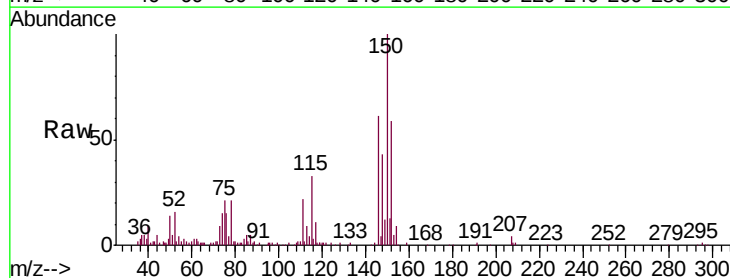
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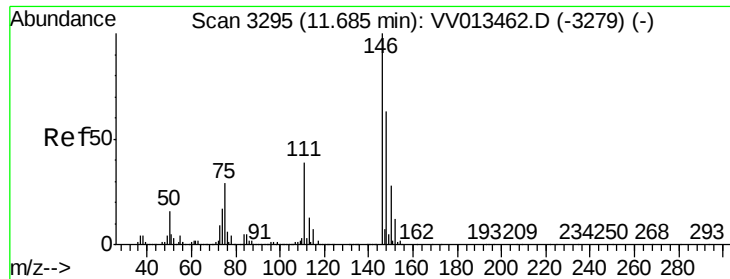
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#64
 1,4-Dichlorobenzene
 Concen: 1.001 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013469.D
 Acq: 01 Nov 2019 15:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	27.2	50.6
148	70.7	44.4	82.5





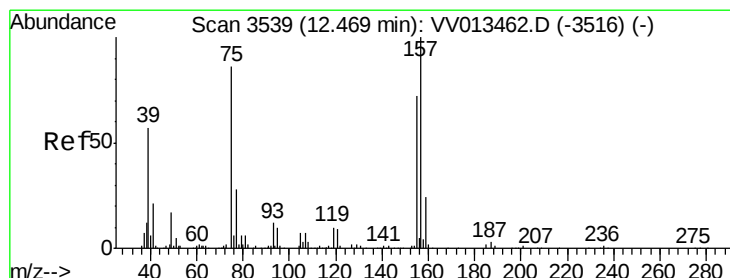
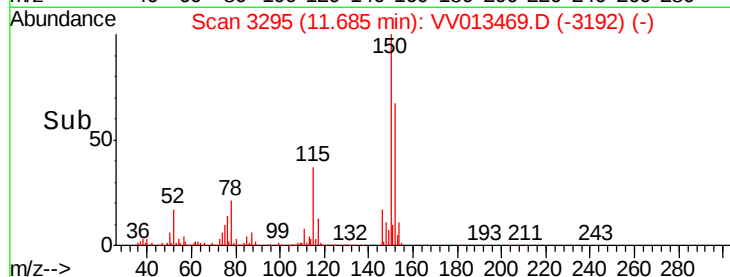
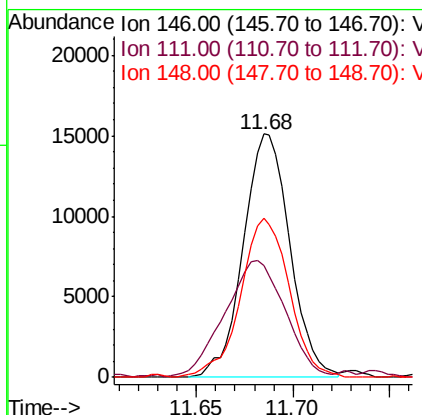
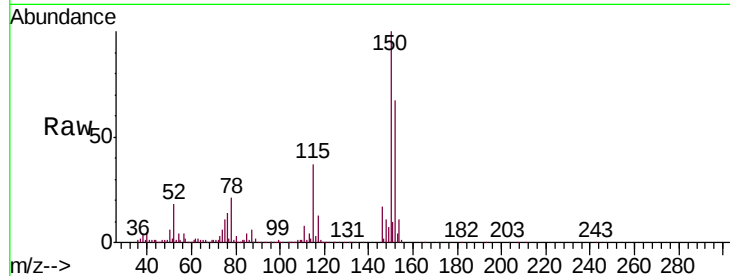
#65
 1,2-Dichlorobenzene
 Concen: 1.039 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013469.D
 Acq: 01 Nov 2019 15:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.9	31.4	47.2
148	65.2	50.5	75.7

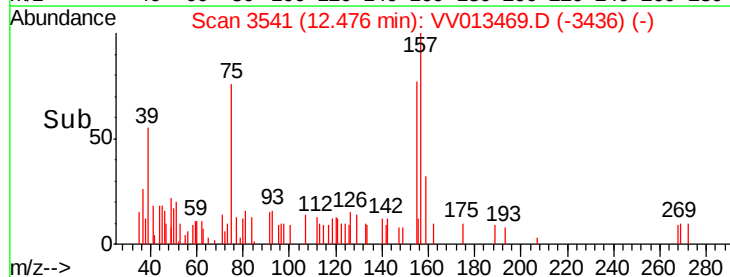
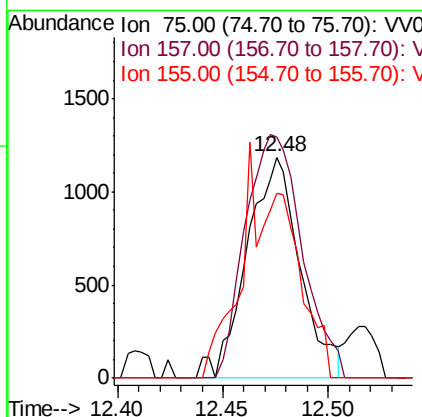
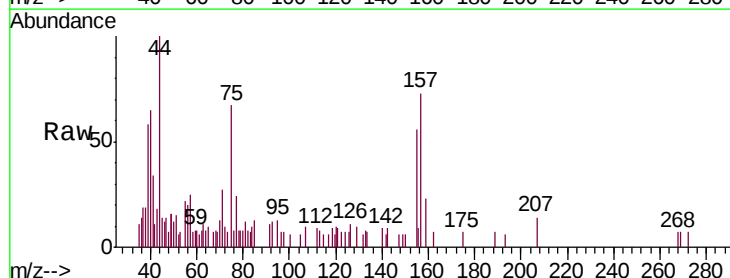
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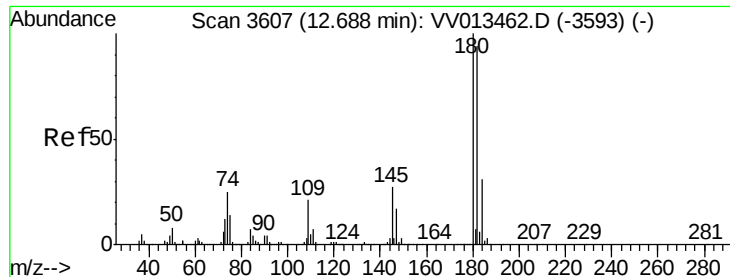
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.926 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.01 min
 Lab File: VV013469.D
 Acq: 01 Nov 2019 15:24

Tgt Ion	Ratio	Lower	Upper
75	100		
157	109.0	93.2	139.8
155	83.9	66.9	100.3





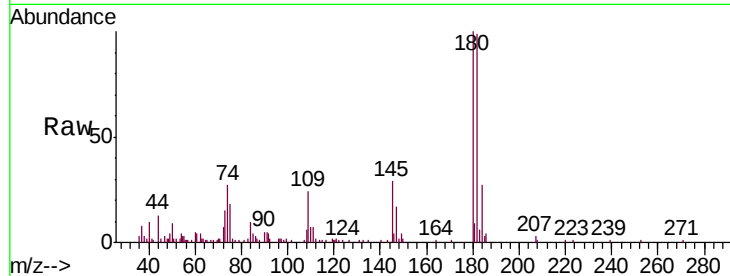
#67
 1,3,5-Trichlorobenzene
 Concen: 0.962 ug/L m
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013469.D
 Acq: 01 Nov 2019 15:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	19968		
182	85.3	74.8	112.2	
184	28.2	24.3	36.5	
145	27.3	21.1	31.7	

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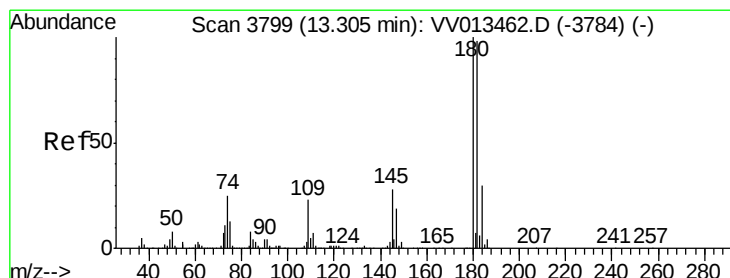
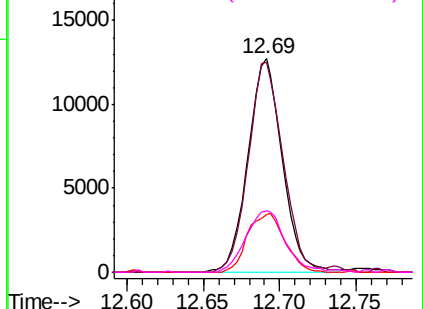
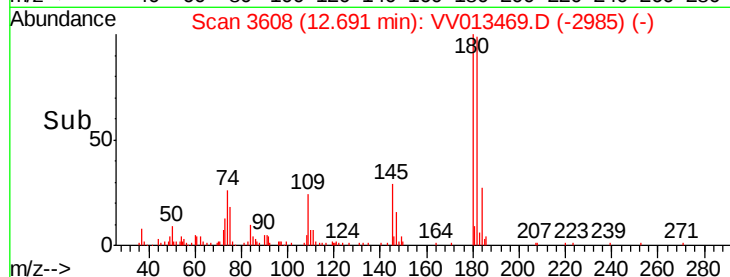
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

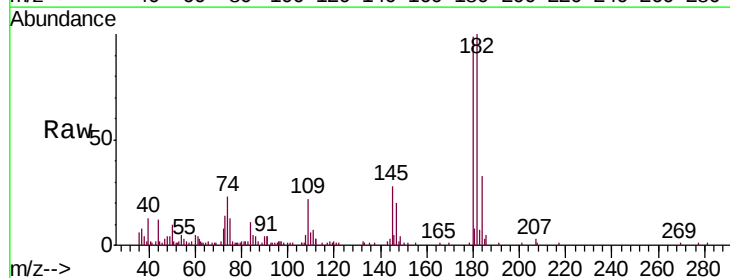
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.993 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013469.D
 Acq: 01 Nov 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	17577		
182	96.9	77.4	116.0	
145	31.0	22.3	33.5	

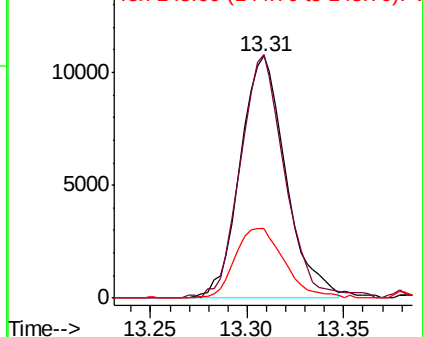
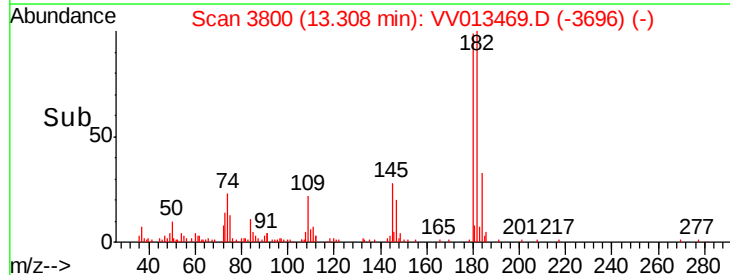


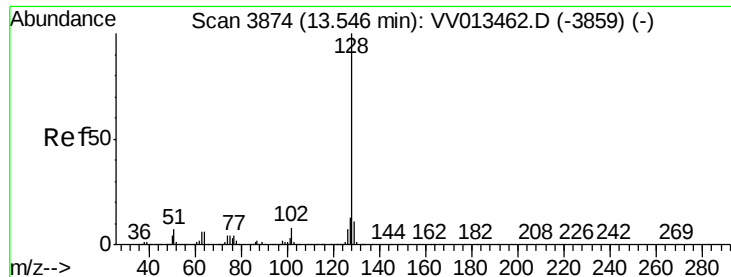
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





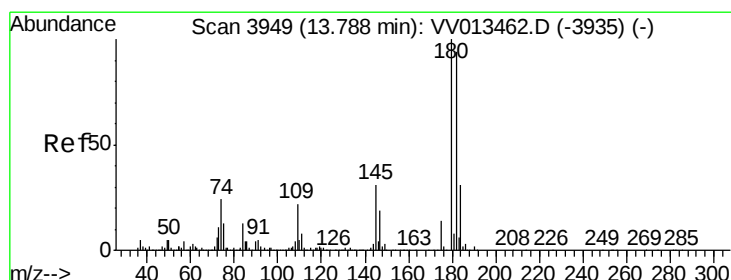
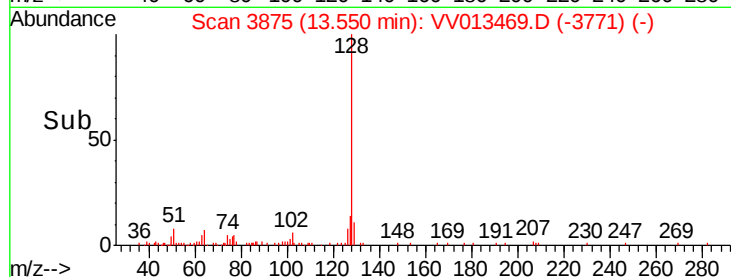
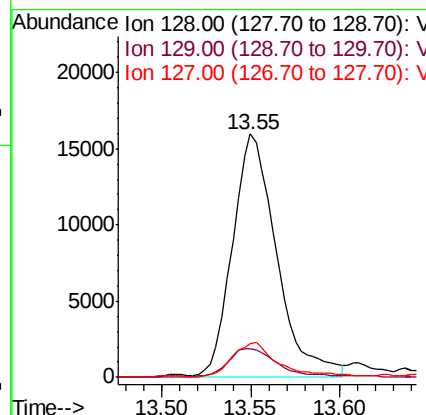
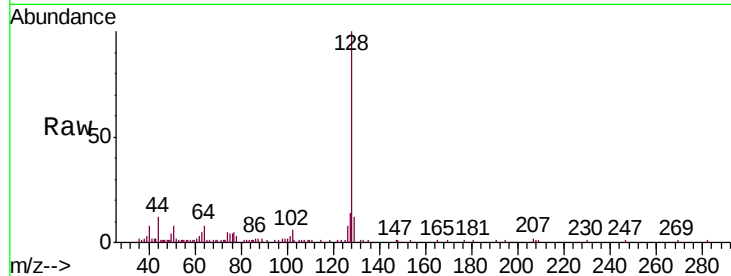
#69
Naphthalene
Concen: 0.805 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.5	8.6	13.0
127	14.9	10.5	15.7

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#70
1,2,3-Trichlorobenzene
Concen: 0.935 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV013469.D
Acq: 01 Nov 2019 15:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	75.2	112.8
145	34.4	23.8	35.6

