

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019158.D
 Acq On : 29 Oct 2020 20:24
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA-V/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 2:27:05 PM

Quant Time: Nov 01 15:03:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 05:31:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	221574	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	210254	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	107890	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86397	49.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.14%
7) Chloroethane-d5	1.58	69	68664	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.12	63	126797	37.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.70%
21) 2-Butanone-d5	3.91	46	116929	108.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.42%
24) Chloroform-d	4.38	84	165748	50.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.05	65	120688	52.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.76%
32) Benzene-d6	5.07	84	310714	52.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.09	67	96212	54.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.20%
41) Toluene-d8	7.34	98	285965	49.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.82%
43) trans-1,3-Dichloropropene-	7.64	79	51656	50.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.40%
47) 2-Hexanone-d5	8.11	63	81882	106.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.32%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	124445	51.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	118816	52.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4189	2.153 ug/L	100
3) Chloromethane	1.25	50	4049	2.292 ug/L	100
5) Vinyl chloride	1.32	62	4284	2.368 ug/L #	56
6) Bromomethane	1.53	94	2840	2.344 ug/L	95
8) Chloroethane	1.60	64	2830	2.516 ug/L	97
9) Trichlorofluoromethane	1.77	101	6194	2.055 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3941	2.716 ug/L #	78
12) 1,1-Dichloroethene	2.13	96	4089	2.878 ug/L #	1
13) Acetone	2.20	43	4308	4.300 ug/L	93
14) Carbon disulfide	2.31	76	9971	2.208 ug/L	98
15) Methyl Acetate	2.46	43	3652	2.262 ug/L	94
16) Methylene chloride	2.52	84	4058	2.515 ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	3222	2.111 ug/L	92
18) Methyl tert-butyl Ether	2.78	73	11617	2.273 ug/L	97
19) 1,1-Dichloroethane	3.22	63	6552m	2.304 ug/L	
20) cis-1,2-Dichloroethene	3.94	96	3748m	2.238 ug/L	
22) 2-Butanone	4.03	43	4790m	4.389 ug/L	

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Manual Integrations
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 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 05:31:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	1962	2.183	uq/L	87
25) Chloroform	4.40	83	8862	2.884	uq/L	94
27) 1,2-Dichloroethane	5.16	62	6484	2.479	uq/L	99
29) Cyclohexane	4.70	56	4407	1.878	uq/L #	88
30) 1,1,1-Trichloroethane	4.63	97	6045	2.122	uq/L	99
31) Carbon tetrachloride	4.86	117	5376	2.128	uq/L	94
33) Benzene	5.13	78	13888	2.291	uq/L	100
34) Trichloroethene	5.95	95	3363	2.025	uq/L	96
35) Methylcyclohexane	6.15	83	4708	2.100	uq/L	94
37) 1,2-Dichloropropane	6.20	63	2966	1.970	uq/L #	85
38) Bromodichloromethane	6.54	83	4811	2.148	uq/L #	95
39) cis-1,3-Dichloropropene	7.06	75	5434m	2.185	uq/L	
40) 4-Methyl-2-pentanone	7.25	43	9226	4.442	uq/L	98
42) Toluene	7.41	91	18481	2.781	uq/L	94
44) trans-1,3-Dichloropropene	7.67	75	5972m	2.309	uq/L	
45) 1,1,2-Trichloroethane	7.86	97	3477	2.303	uq/L	95
46) Tetrachloroethene	8.00	164	2744	1.935	uq/L	95
48) 2-Hexanone	8.17	43	8247	4.996	uq/L	96
49) Dibromochloromethane	8.27	129	4133	2.261	uq/L	97
50) 1,2-Dibromoethane	8.38	107	3603	2.237	uq/L #	98
51) Chlorobenzene	8.90	112	9114	2.092	uq/L	95
52) Ethylbenzene	9.04	91	14798	2.021	uq/L	99
53) m,p-Xylene	9.16	106	5587	2.020	uq/L	96
54) o-xylene	9.57	106	5145	1.937	uq/L	93
55) Styrene	9.59	104	8172	1.736	uq/L	98
56) Isopropylbenzene	9.96	105	12327	1.727	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	5352	2.328	uq/L	96
59) 1,2,3-Trichloropropane	10.29	75	4414	2.243	uq/L	99
61) Bromoform	9.75	173	3078	2.313	uq/L #	37
62) 1,3-Dichlorobenzene	11.21	146	7082	2.081	uq/L	97
63) 1,4-Dichlorobenzene	11.30	146	7906	2.235	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	7561	2.243	uq/L	92
66) 1,2-Dibromo-3-chloropropan	12.45	75	1368	2.372	uq/L #	78
67) 1,3,5-Trichlorobenzene	12.67	180	4926	1.966	uq/L	95
68) 1,2,4-trichlorobenzene	13.29	180	4729	2.015	uq/L	95
69) Naphthalene	13.53	128	10918	1.661	uq/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	4473	1.947	uq/L	98

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

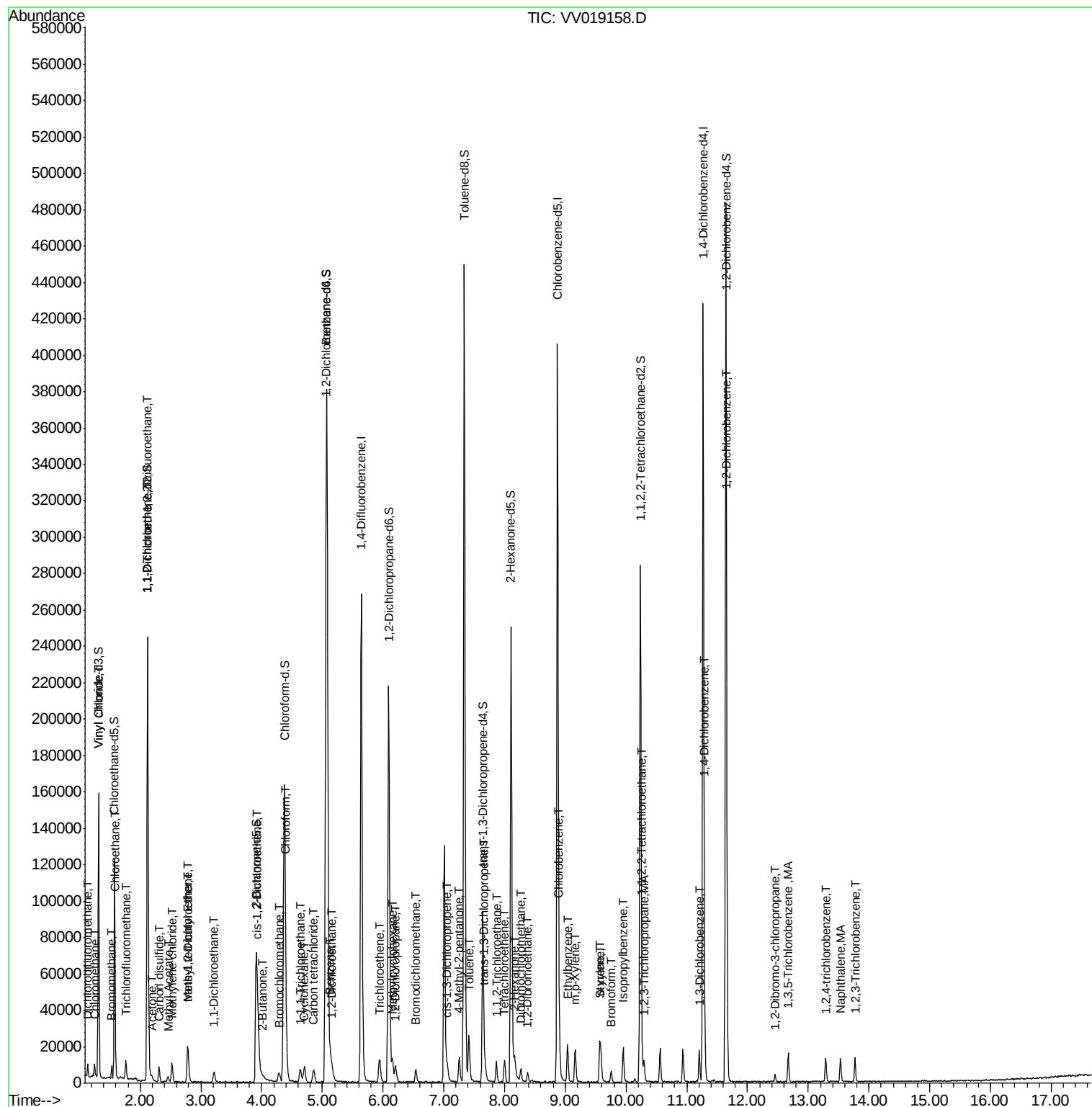
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV102920\
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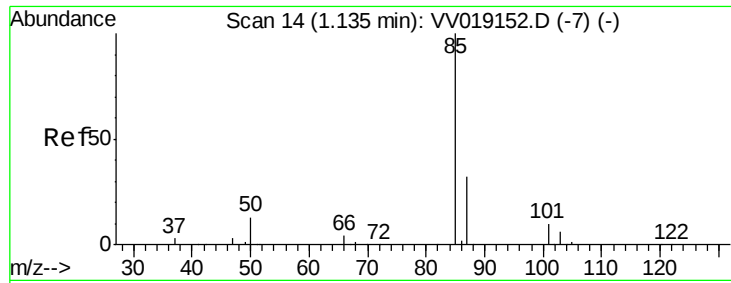
Instrument :
MSVOA_V
ClientSampleID :
MDL04

Manual Integrations
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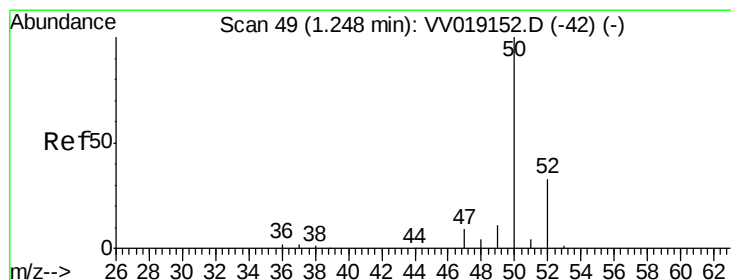
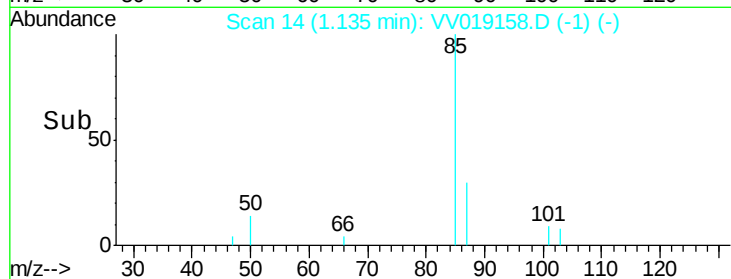
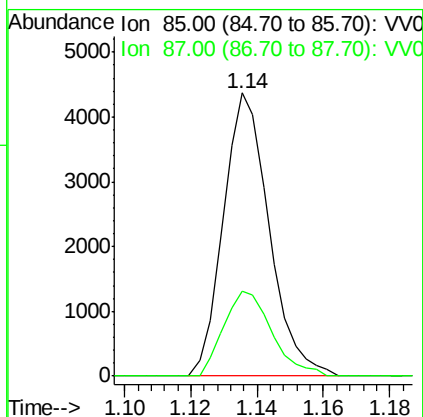
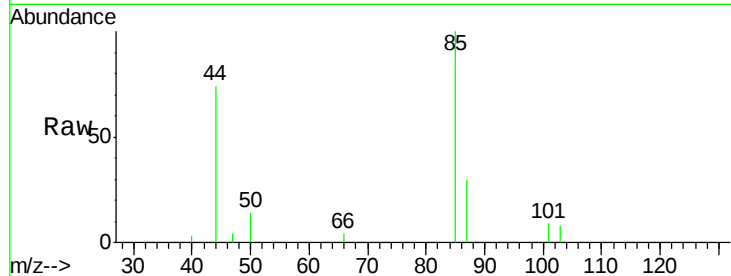
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 Dichlorodifluoromethane
 Concen: 2.153 ug/L
 RT: 1.14 min Scan# 14
 Delta R.T. 0.00 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	85.00	Resp	4189
Ion Ratio	100	Lower	Upper
85	100		
87	31.6	25.3	37.9

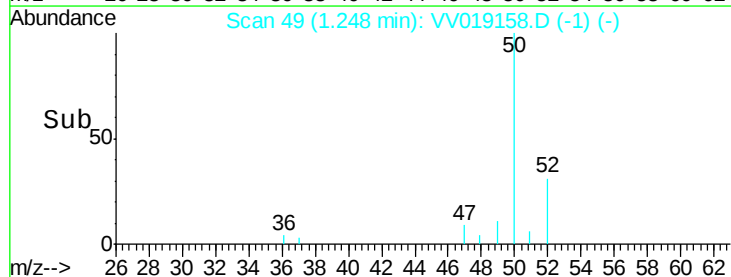
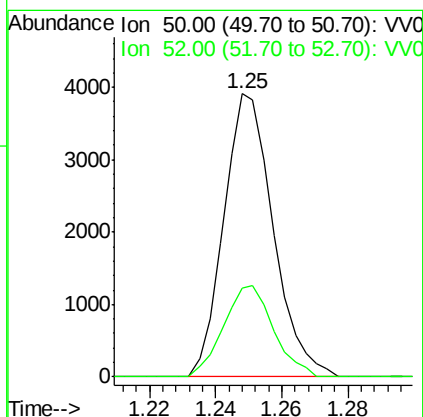
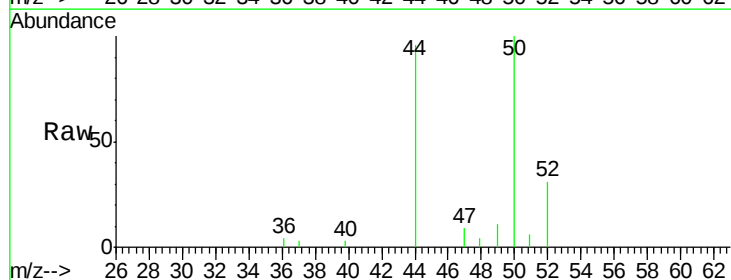
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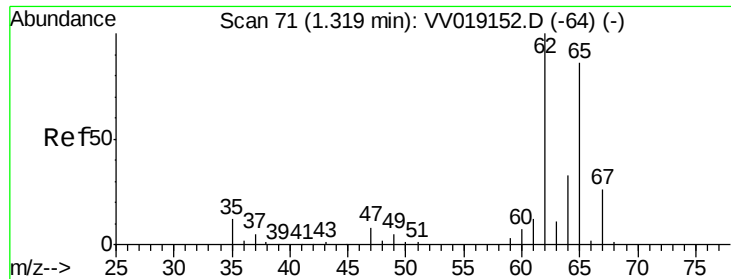
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#3
 Chloromethane
 Concen: 2.292 ug/L
 RT: 1.25 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Tgt Ion	50.00	Resp	4049
Ion Ratio	100	Lower	Upper
50	100		
52	31.4	22.1	41.1





#5

Vinyl chloride

Concen: 2.368 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 62 Resp: 4284

Ion Ratio Lower Upper

62 100

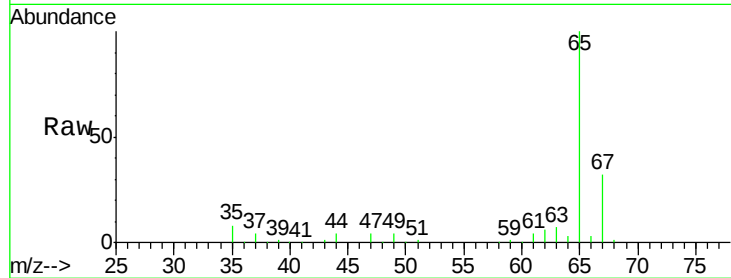
64 57.0 22.7 42.3#

Manual Integrations

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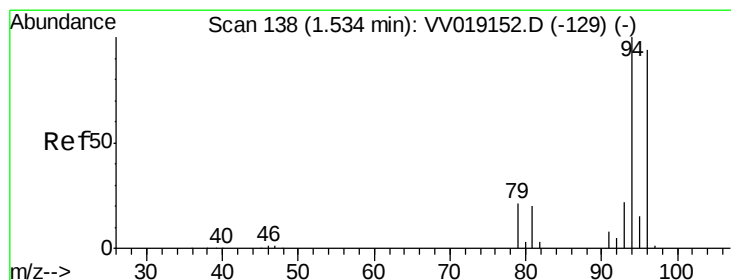
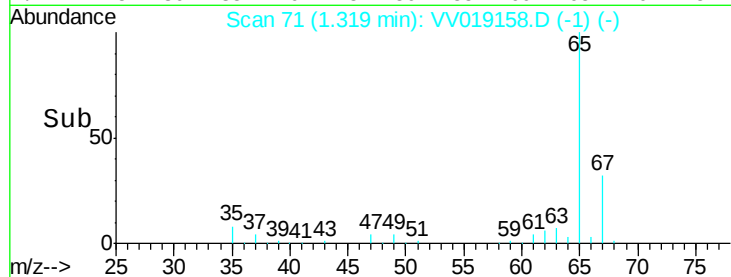
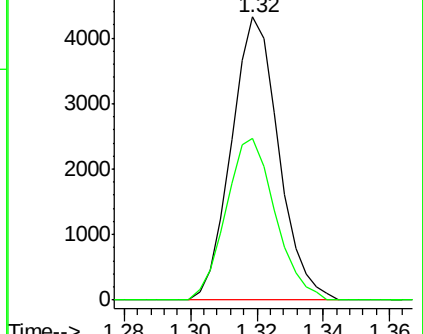
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.344 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019158.D

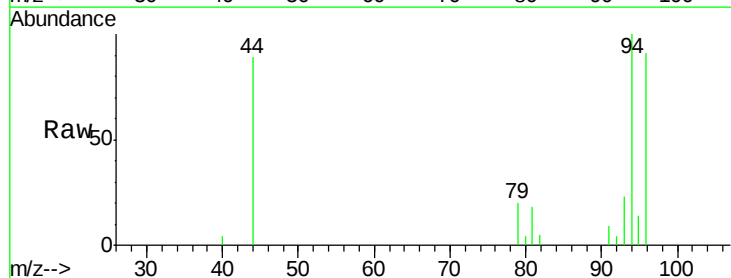
Acq: 29 Oct 2020 20:24

Tgt Ion: 94 Resp: 2840

Ion Ratio Lower Upper

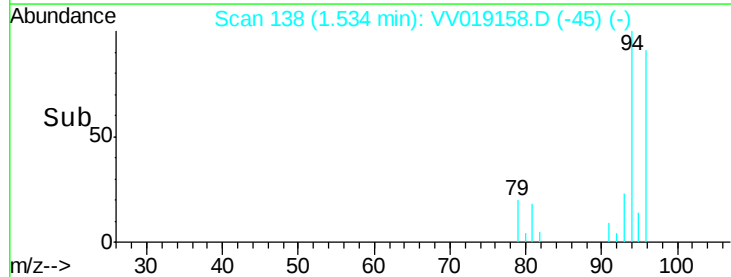
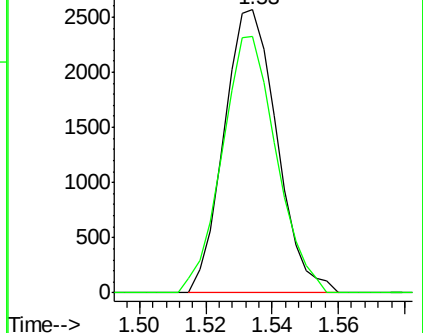
94 100

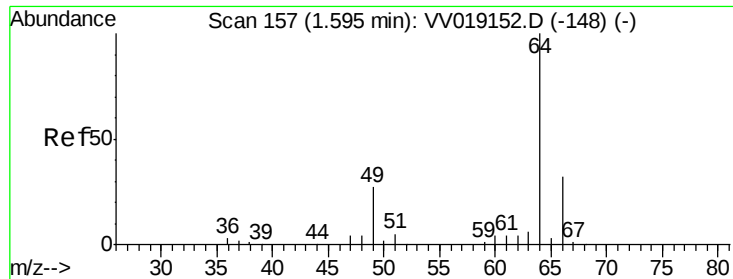
96 90.6 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





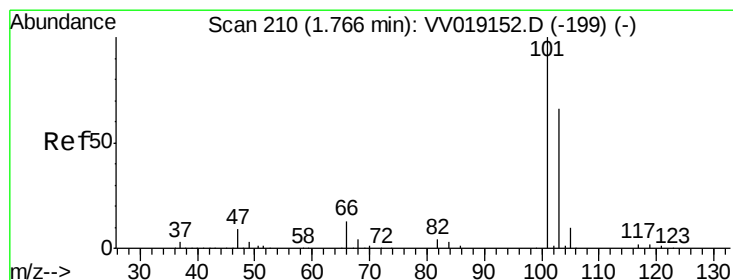
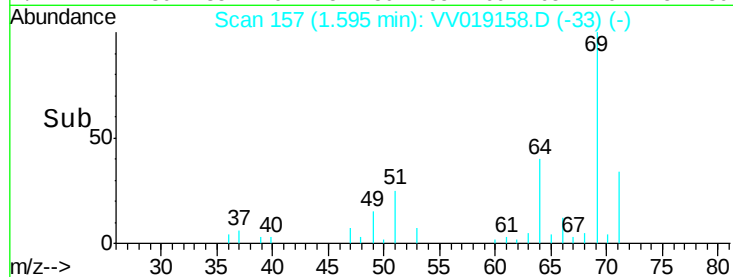
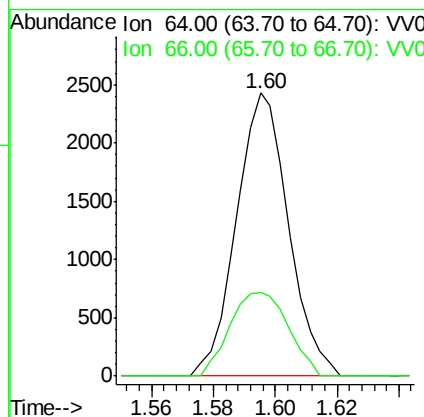
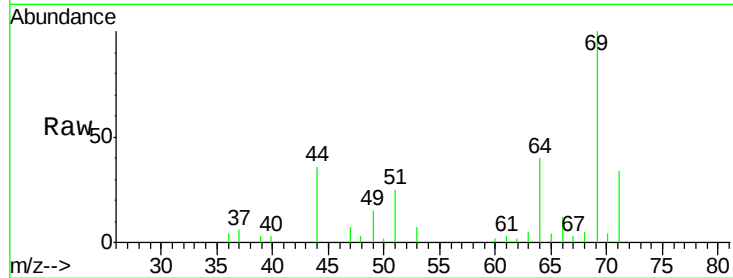
#8
Chloroethane
Concen: 2.516 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion: 64 Resp: 2830
Ion Ratio Lower Upper
64 100
66 29.6 22.0 40.8

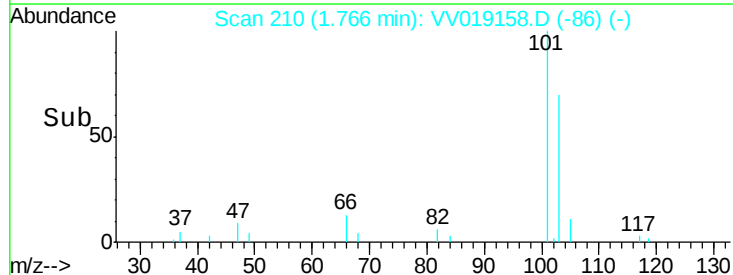
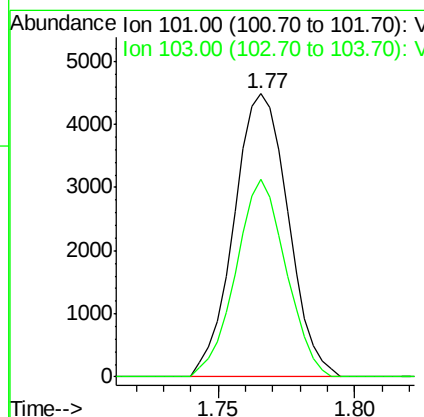
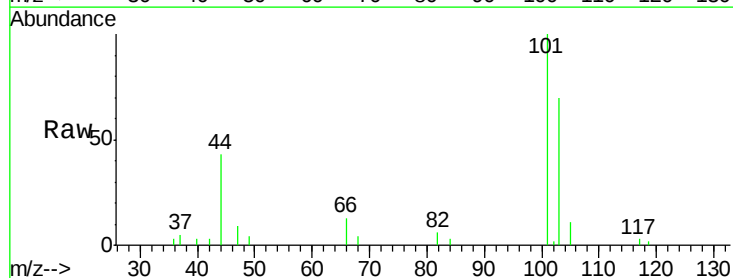
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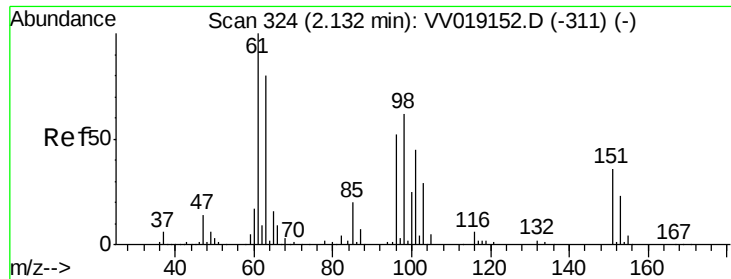
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#9
Trichlorofluoromethane
Concen: 2.055 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Tgt Ion: 101 Resp: 6194
Ion Ratio Lower Upper
101 100
103 64.5 51.9 77.9





#10

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

Concen: 2.716 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

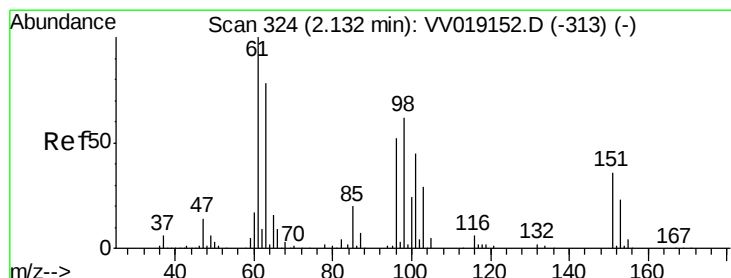
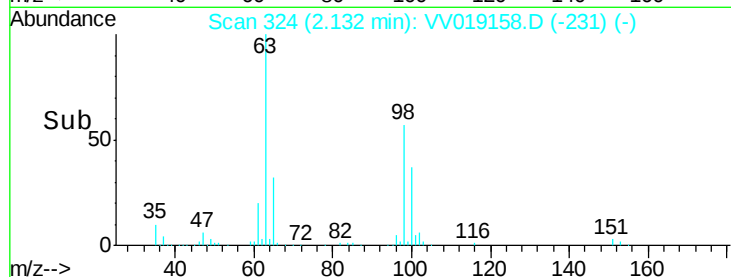
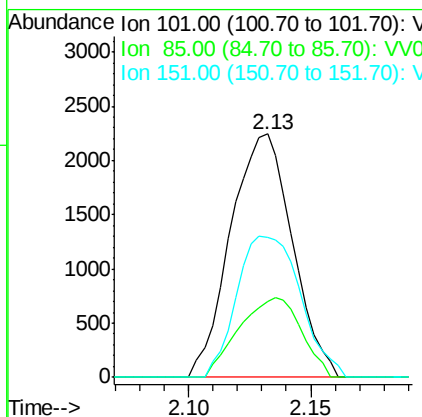
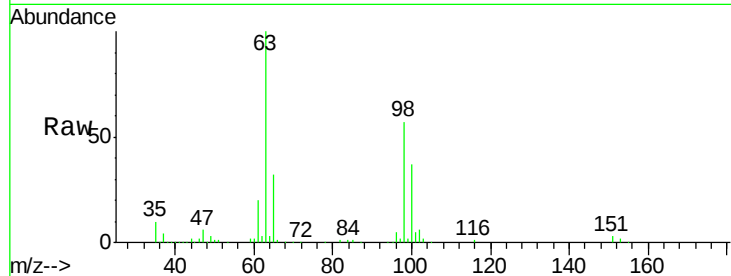
ClientSampleId :

MDL04

Tot Ion:	101	Resp:	3941
Ion Ratio	Lower	Upper	
101	100		
85	32.9	36.1	54.1#
151	60.0	65.0	97.4#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.878 ug/L

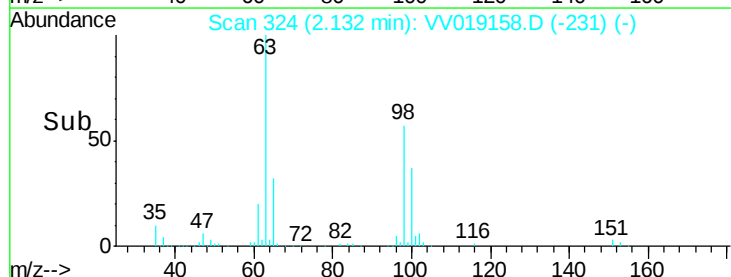
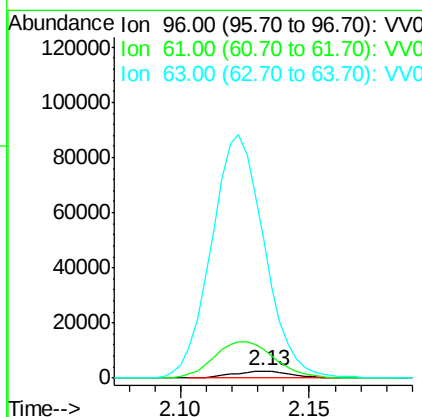
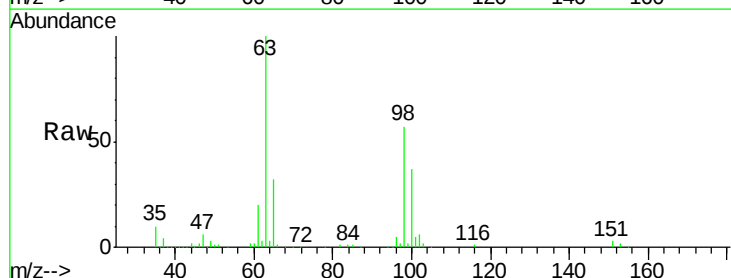
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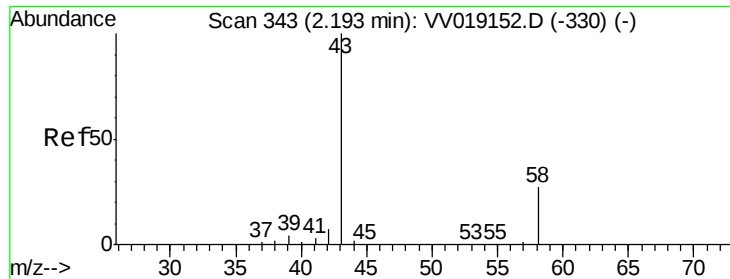
Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Tgt Ion:	96	Resp:	4089
Ion Ratio	Lower	Upper	
96	100		
61	385.4	132.6	246.2#
63	1882.1	108.4	201.4#





#13

Acetone

Concen: 4.300 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 43 Resp: 4308

Ion Ratio Lower Upper

43 100

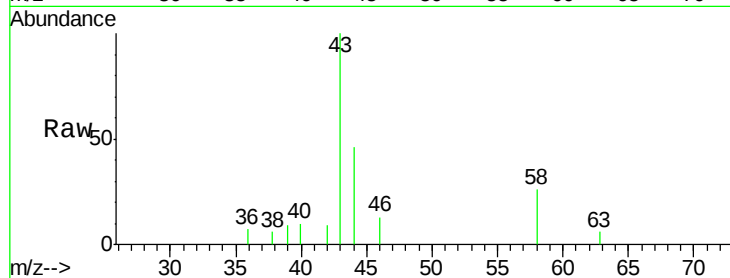
58 26.2 0.0 59.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VV019152.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV019152.D (-330) (-)

2000

1500

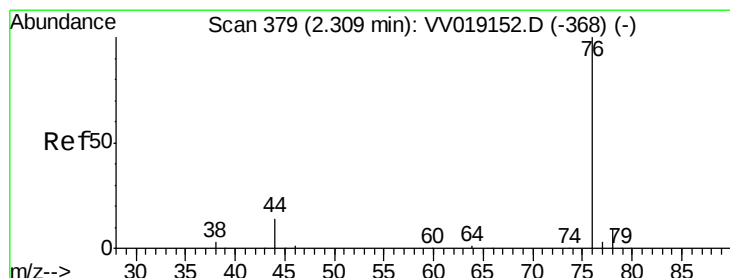
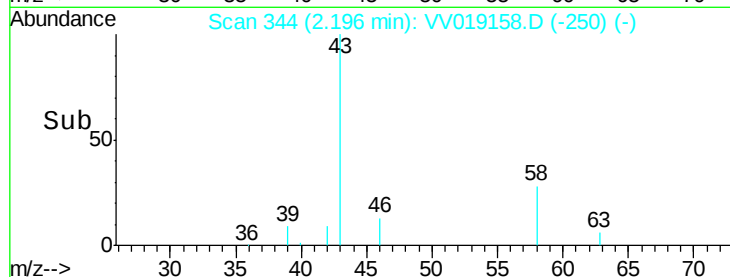
1000

500

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 2.208 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019158.D

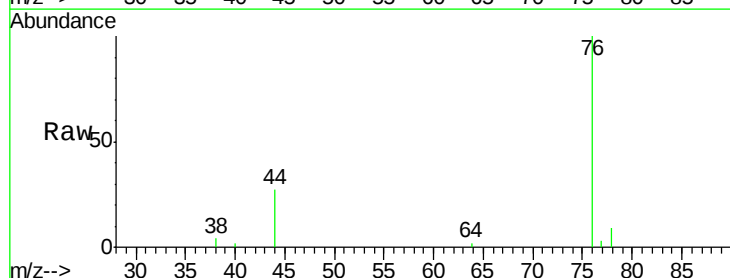
Acq: 29 Oct 2020 20:24

Tgt Ion: 76 Resp: 9971

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019158.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV019158.D (-286) (-)

6000

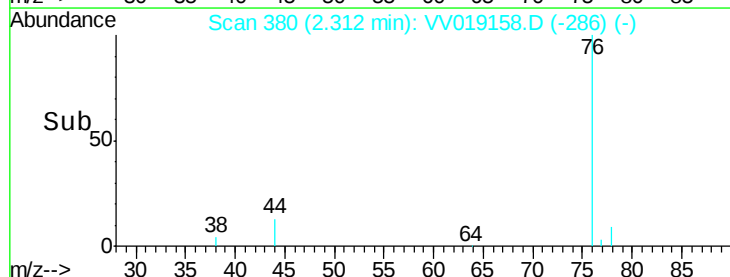
4000

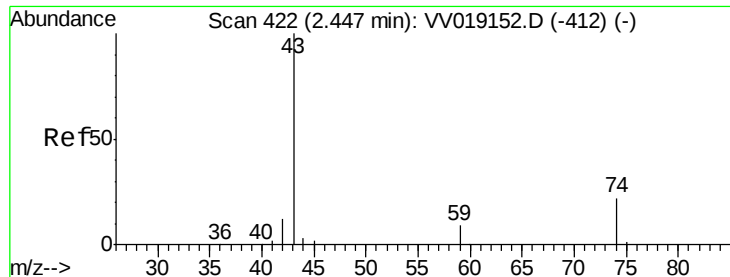
2000

0

2.25 2.30 2.35

Time-->





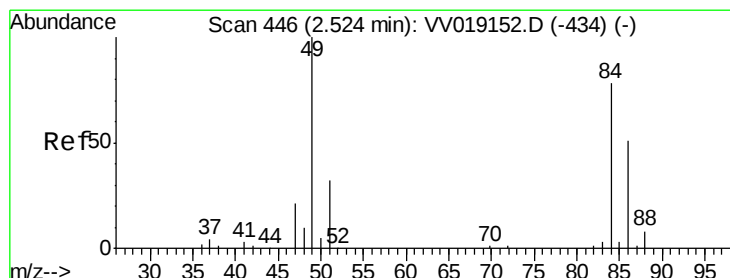
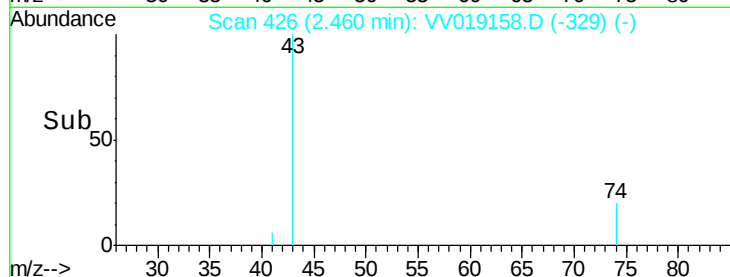
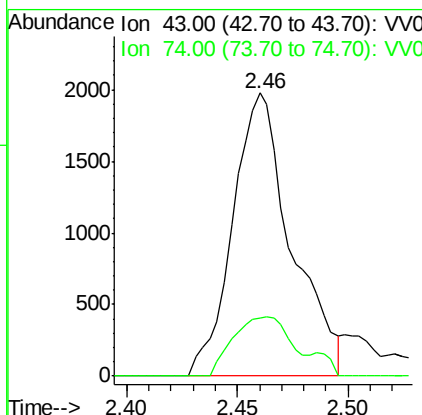
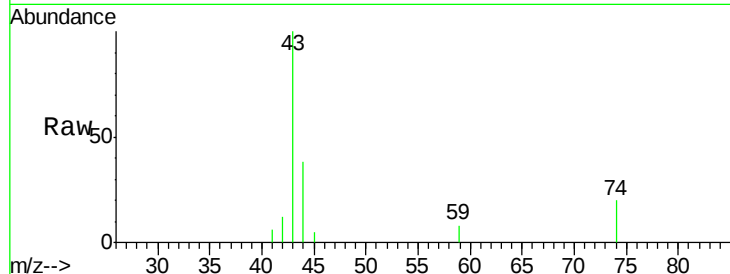
#15
Methyl Acetate
Concen: 2.262 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion: 43 Resp: 3652
Ion Ratio Lower Upper
43 100
74 20.0 18.4 27.6

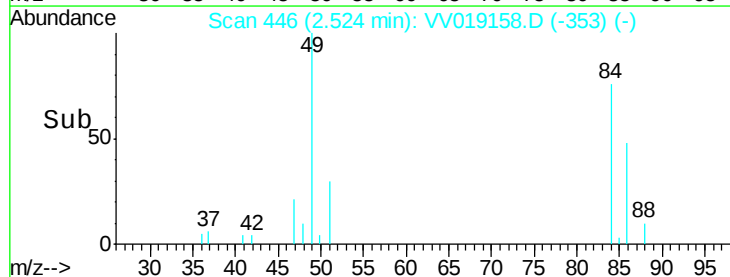
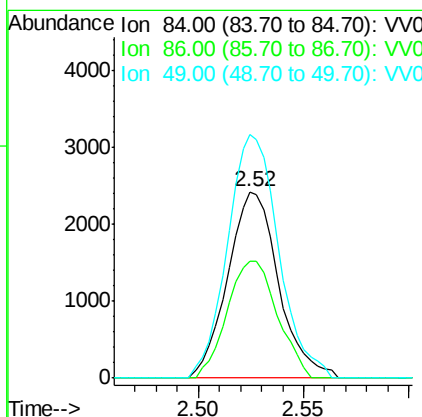
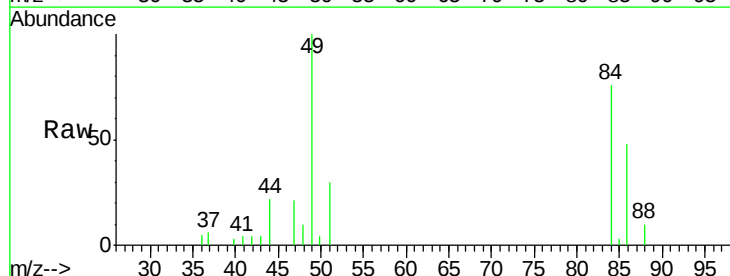
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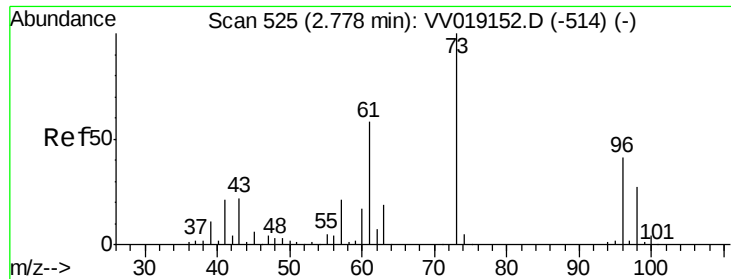
MMDadoda
11/2/2020 2:27:05 PM



#16
Methylene chloride
Concen: 2.515 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Tgt Ion: 84 Resp: 4058
Ion Ratio Lower Upper
84 100
86 63.1 46.0 85.4
49 130.9 87.8 163.2





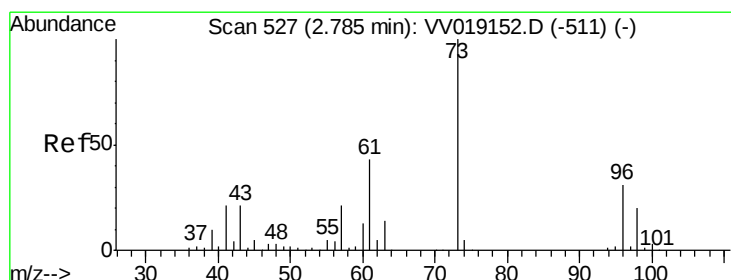
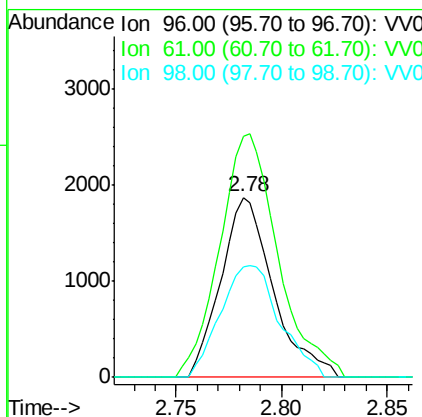
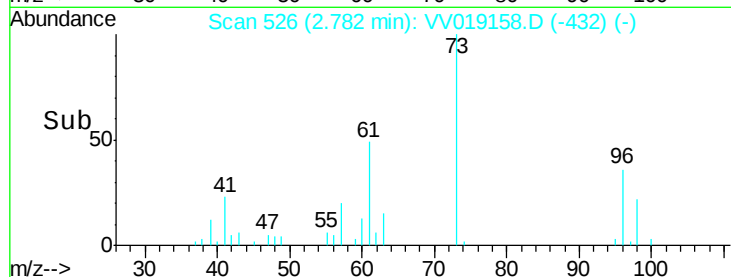
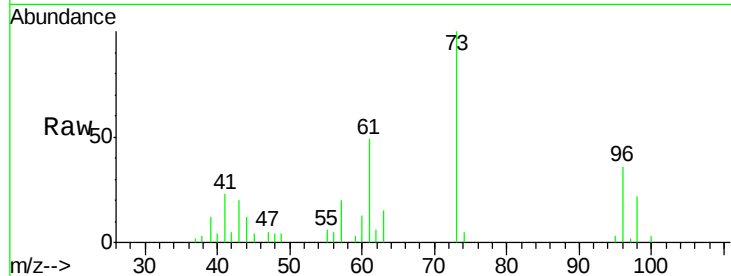
#17
trans-1,2-Dichloroethene
Concen: 2.111 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	102.4	190.2
98	61.4	45.9	85.3

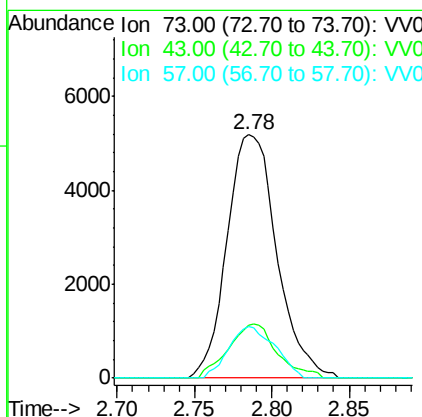
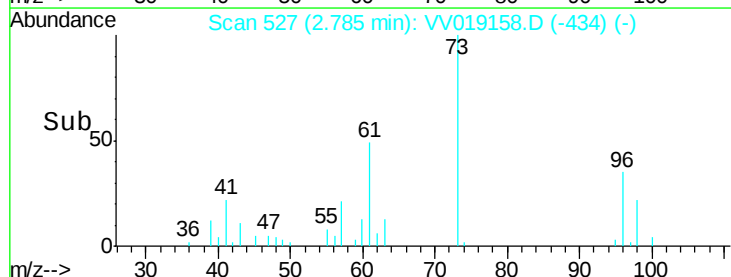
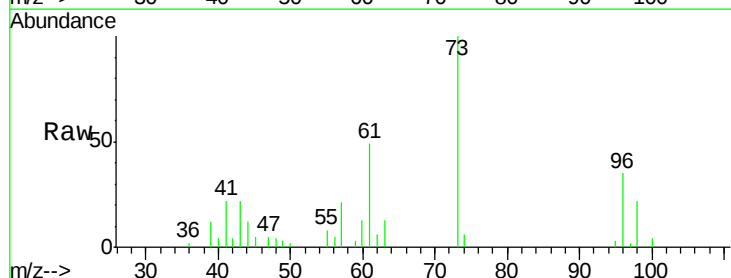
Manual Integrations
APPROVED

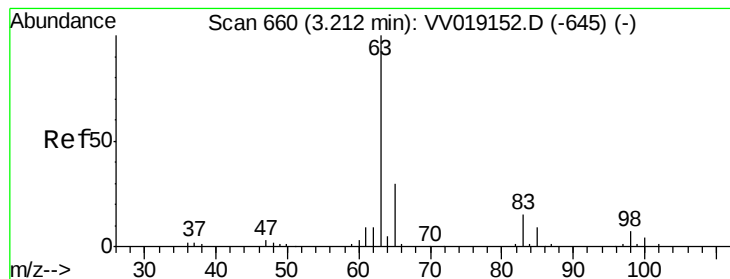
MMDadoda
11/2/2020 2:27:05 PM



#18
Methyl tert-butyl Ether
Concen: 2.273 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.8	17.9	26.9
57	19.5	17.1	25.7





#19

1,1-Dichloroethane

Concen: 2.304 ug/L m

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

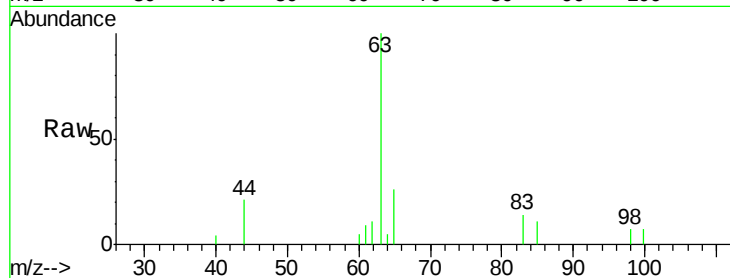
ClientSampleId :

MDL04

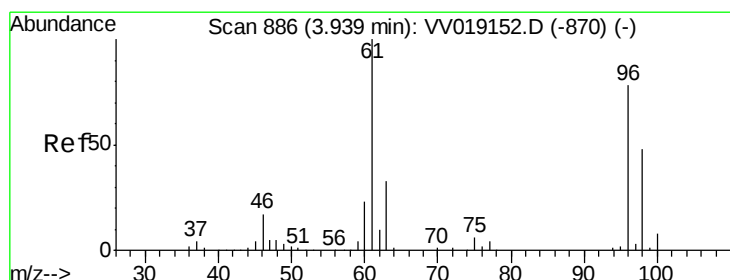
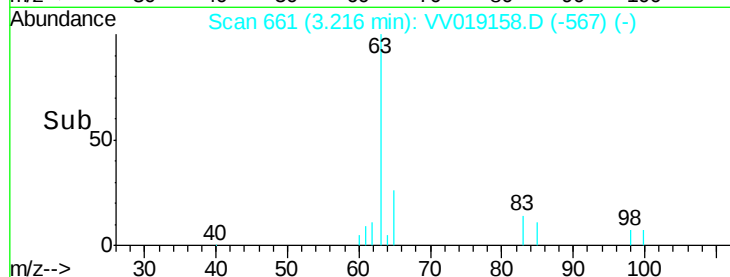
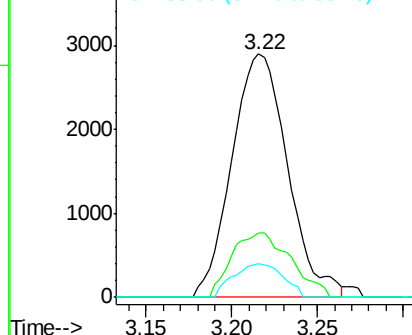
Tot Ion:	63	Resp:	6552
Ion	Ratio	Lower	Upper
63	100		
65	26.3	22.0	40.8
83	13.6	9.6	17.8

Manual Integrations
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Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 2.238 ug/L m

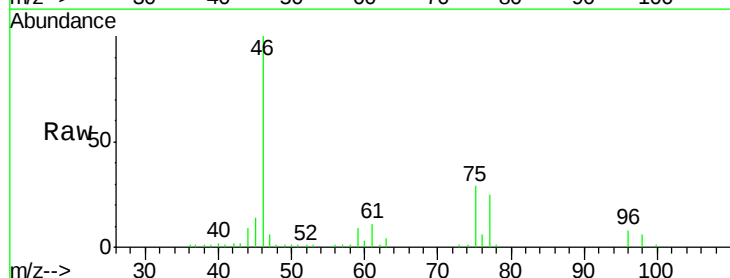
RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

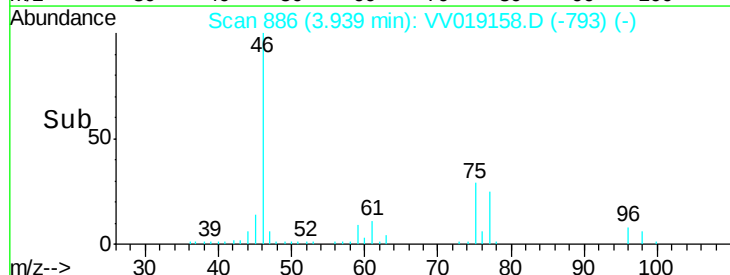
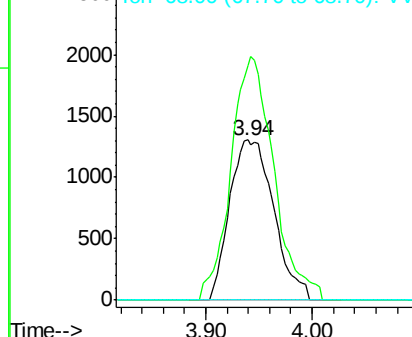
Lab File: VV019158.D

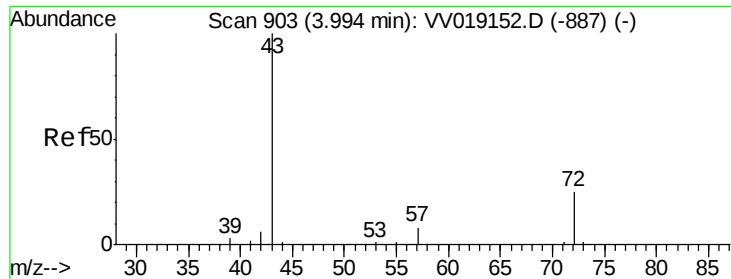
Acq: 29 Oct 2020 20:24

Tgt Ion:	96	Resp:	3748
Ion	Ratio	Lower	Upper
96	100		
61	146.6	90.7	168.5
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 4.389 ug/L m

RT: 4.03 min Scan# 913

Delta R.T. 0.03 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 43 Resp: 4790

Ion Ratio Lower Upper

43 100

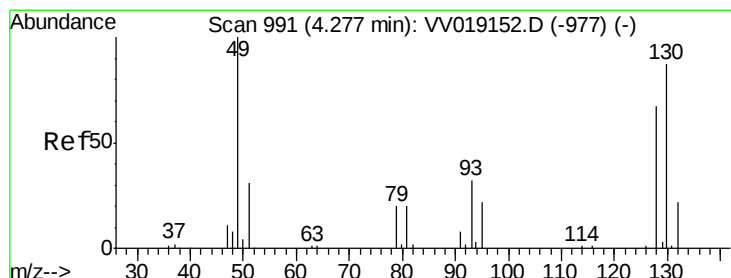
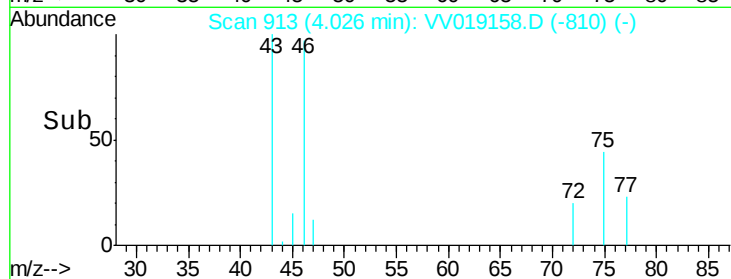
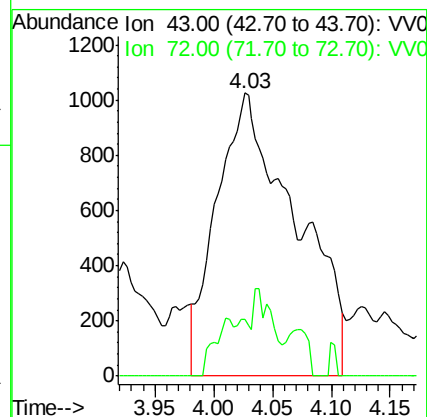
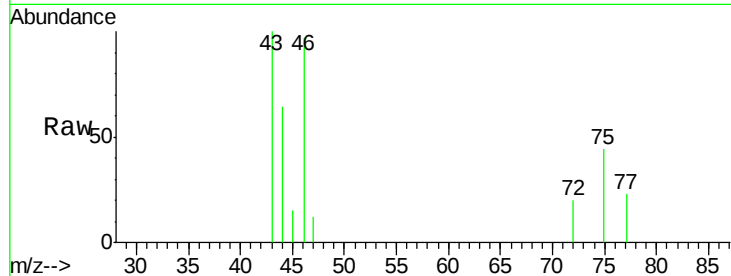
72 1.8 11.9 35.9#

Manual Integrations

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#23

Bromochloromethane

Concen: 2.183 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.02 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Tgt Ion: 128 Resp: 1962

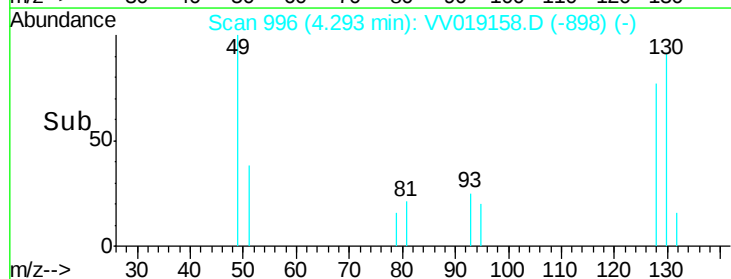
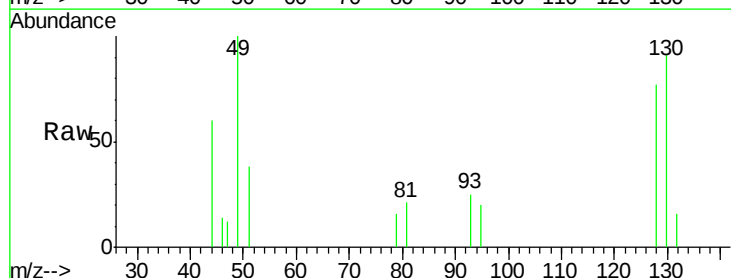
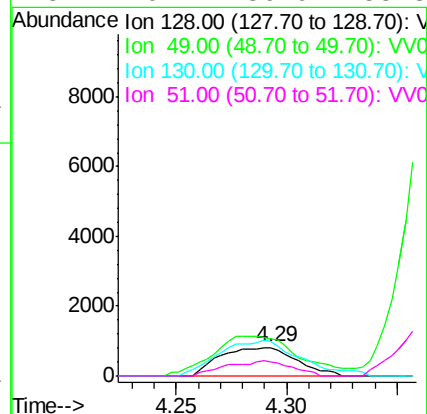
Ion Ratio Lower Upper

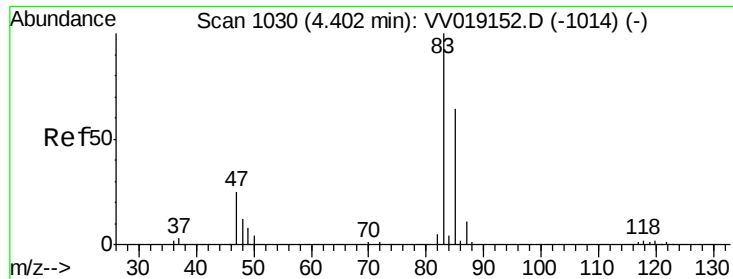
128 100

49 130.1 108.5 201.5

130 118.8 90.4 167.8

51 49.7 36.9 55.3





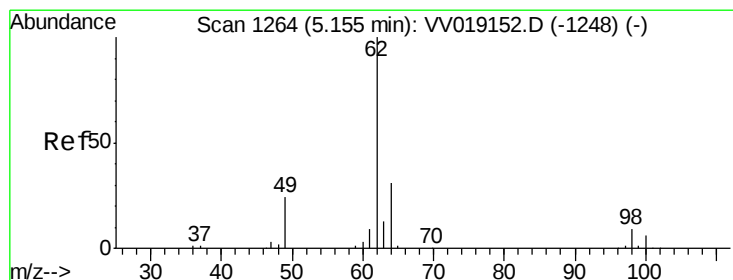
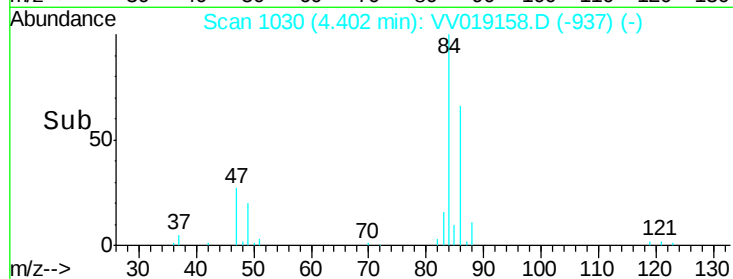
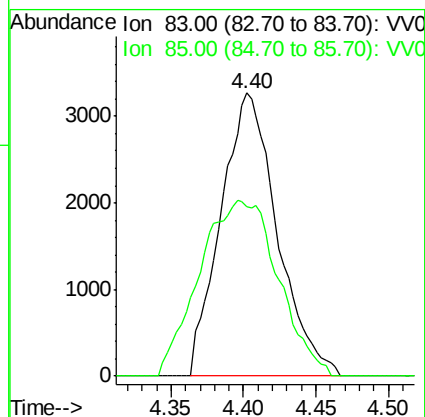
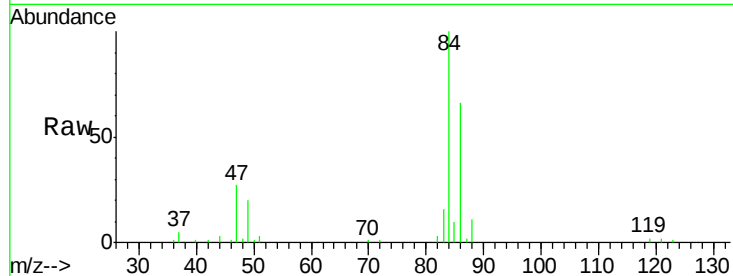
#25
Chloroform
Concen: 2.884 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion	83	Resp	8862
Ion Ratio	100	Lower	Upper
85	59.9	45.1	83.9

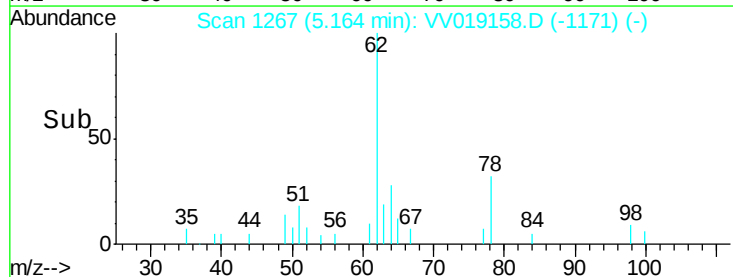
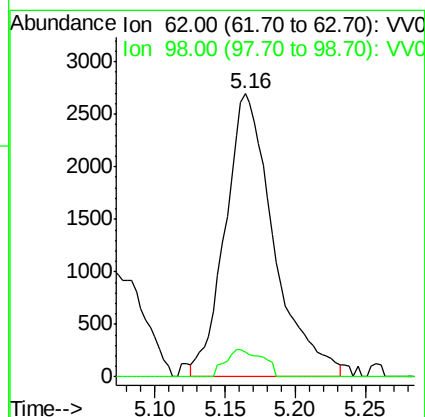
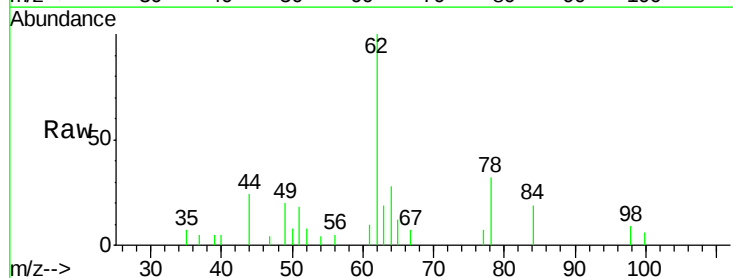
Manual Integrations
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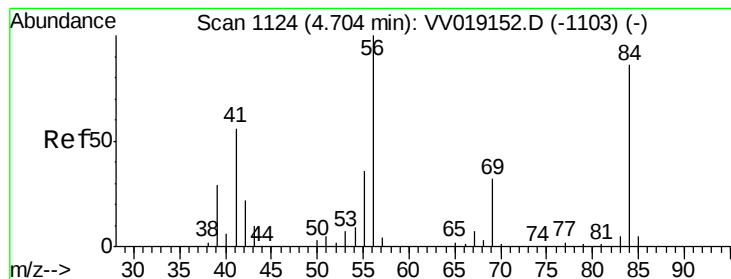
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.479 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Tgt Ion	62	Resp	6484
Ion Ratio	100	Lower	Upper
98	8.8	6.8	10.2





#29

Cyclohexane

Concen: 1.878 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019158.D

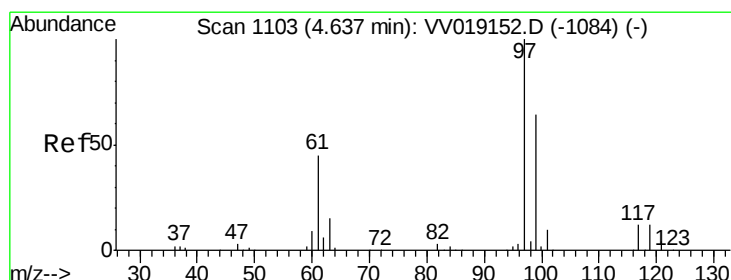
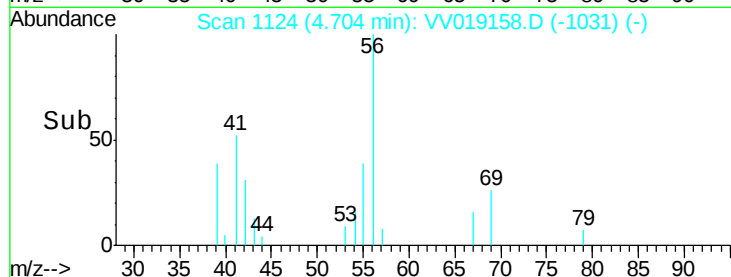
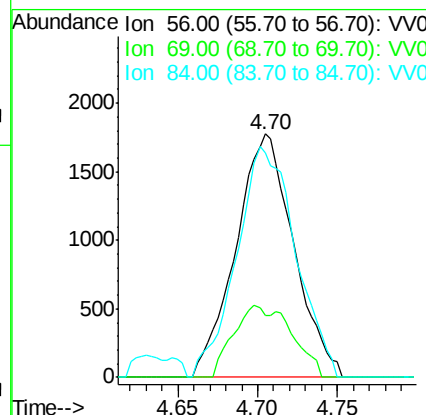
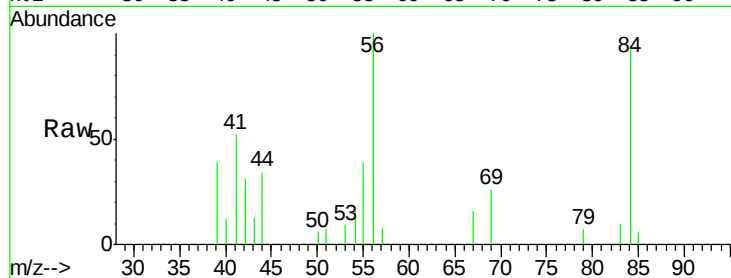
Acq: 29 Oct 2020 20:24

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
56	100		
69	18.2	25.0	37.4#
84	96.6	71.5	107.3

Manual Integrations
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11/2/2020 2:27:05 PM



#30

1,1,1-Trichloroethane

Concen: 2.122 ug/L

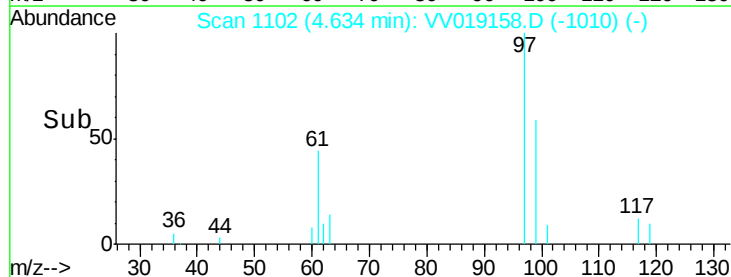
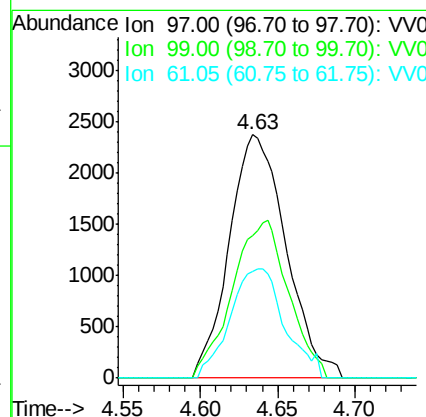
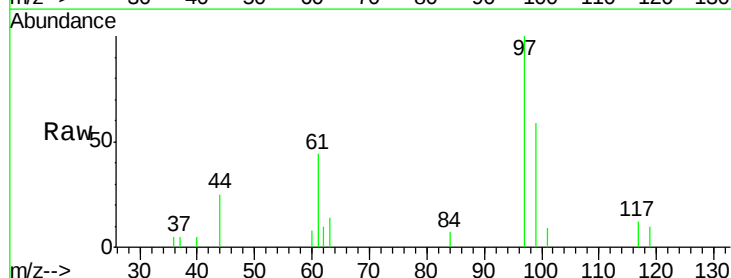
RT: 4.63 min Scan# 1102

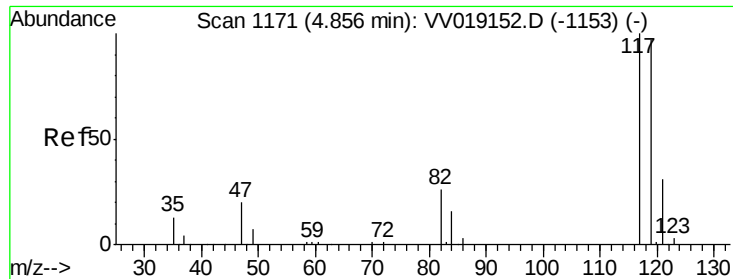
Delta R.T. -0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	42.3	34.6	52.0





#31

Carbon tetrachloride

Concen: 2.128 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion:117 Resp: 5376

Ion Ratio Lower Upper

117 100

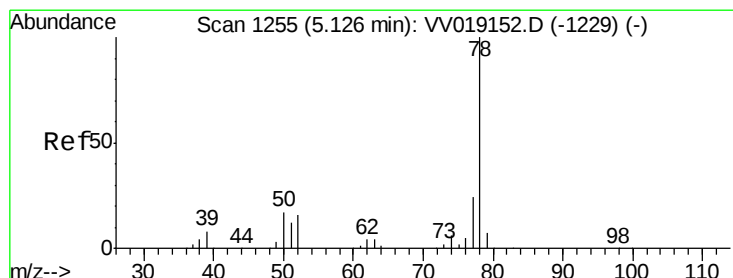
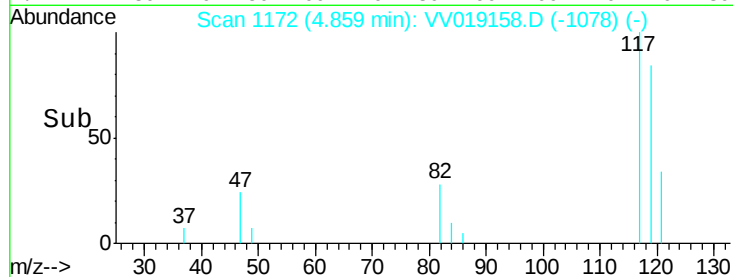
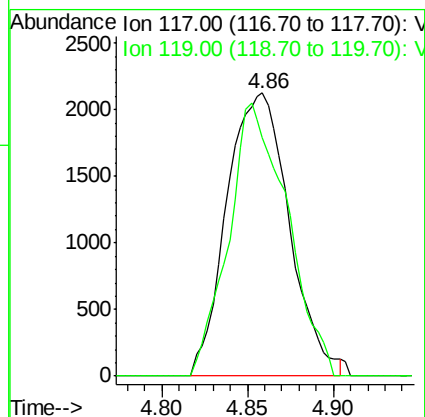
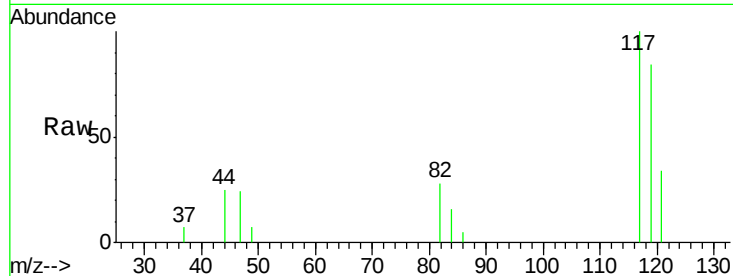
119 90.5 77.2 115.8

Manual Integrations

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#33

Benzene

Concen: 2.291 ug/L

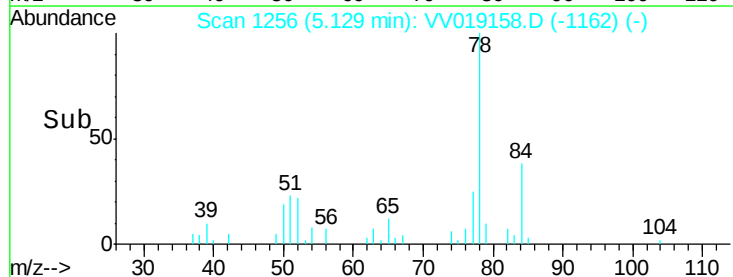
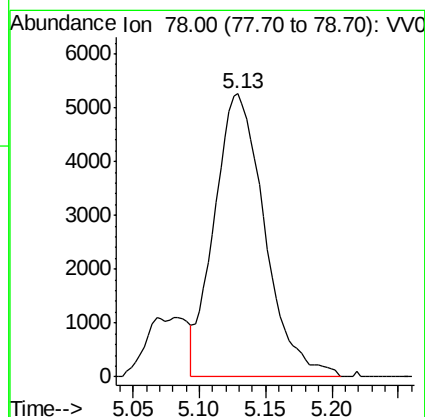
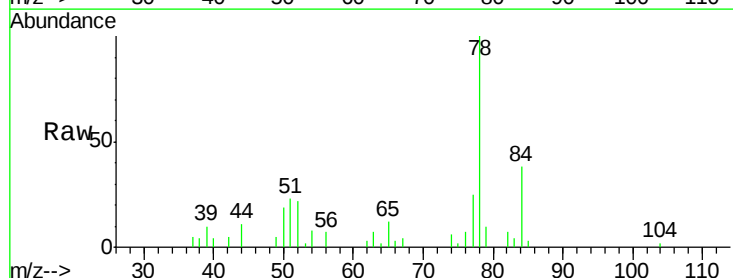
RT: 5.13 min Scan# 1256

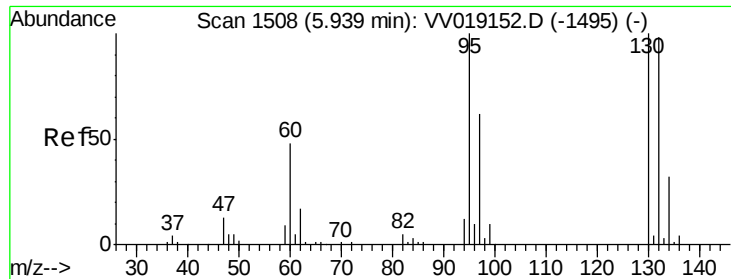
Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Tgt Ion: 78 Resp: 13888





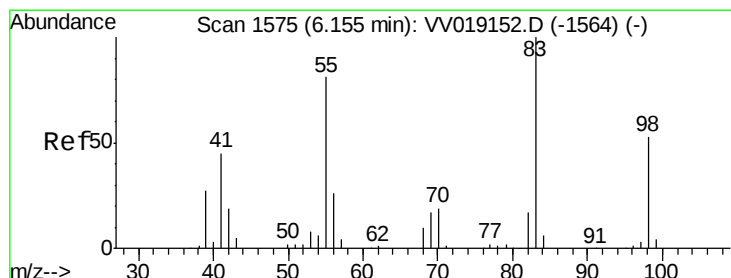
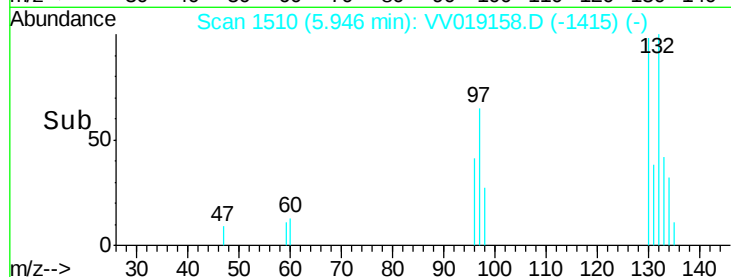
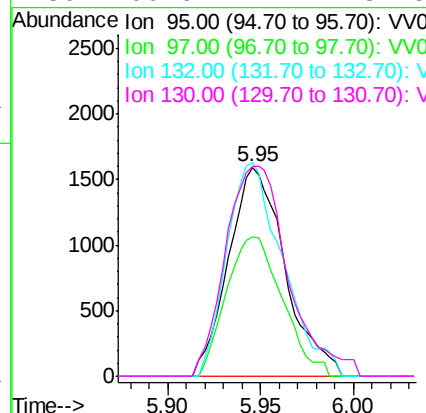
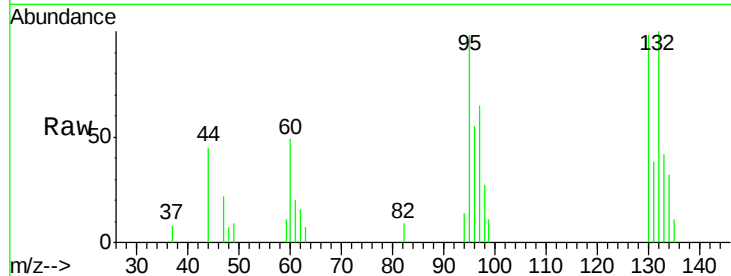
#34
 Trichloroethene
 Concen: 2.025 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion	95	Resp	3363
Ion	Ratio	Lower	Upper
95	100		
97	67.0	43.4	80.6
132	102.4	69.7	129.4
130	100.6	72.4	134.5

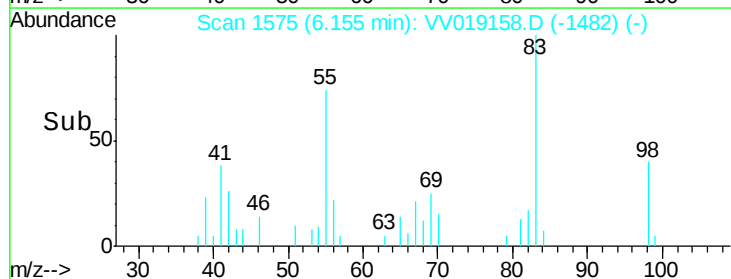
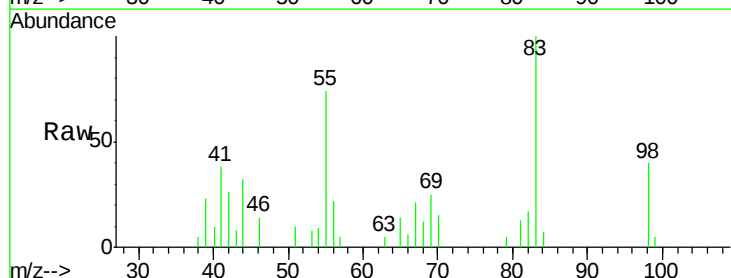
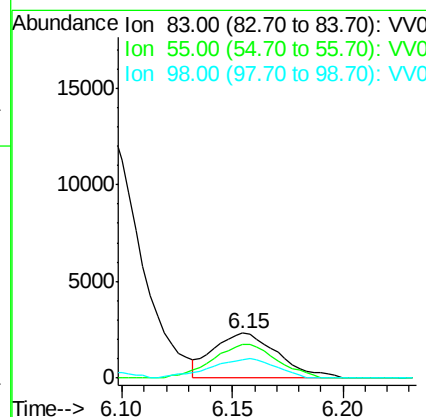
Manual Integrations
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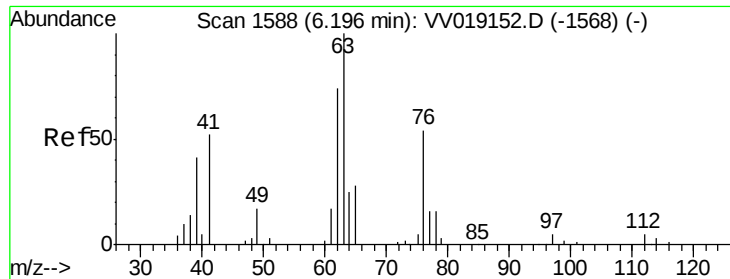
MMDadoda
 11/2/2020 2:27:05 PM



#35
 Methylcyclohexane
 Concen: 2.100 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Tgt Ion	83	Resp	4708
Ion	Ratio	Lower	Upper
83	100		
55	74.0	62.2	93.4
98	43.1	39.4	59.2





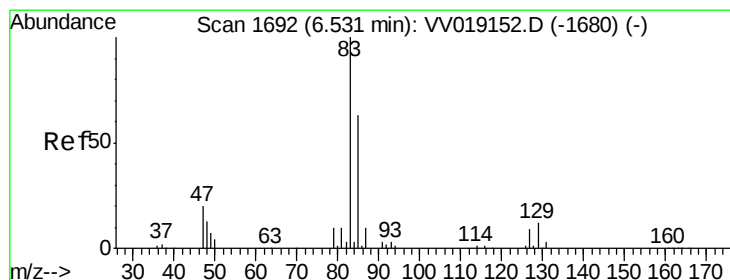
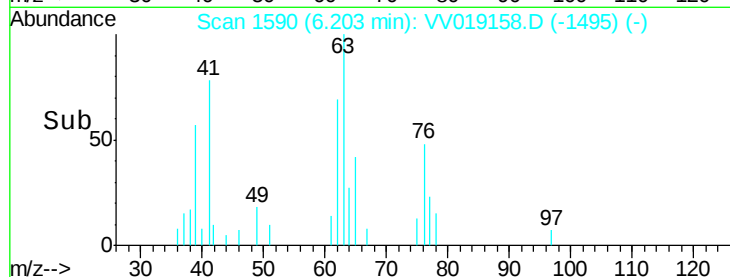
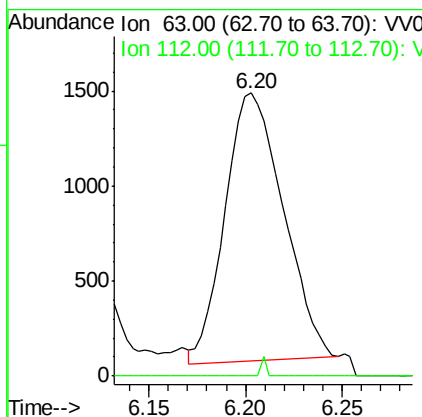
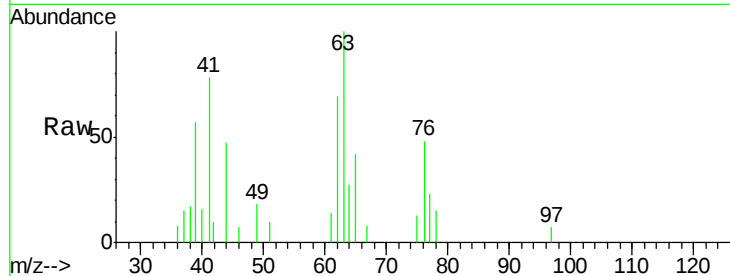
#37
 1,2-Dichloropropane
 Concen: 1.970 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion: 63 Resp: 2966
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#

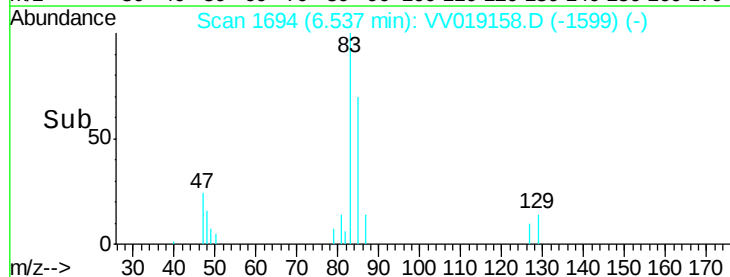
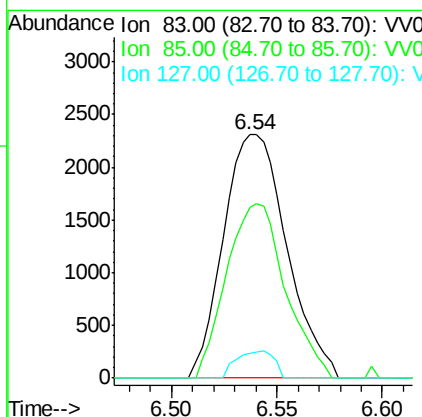
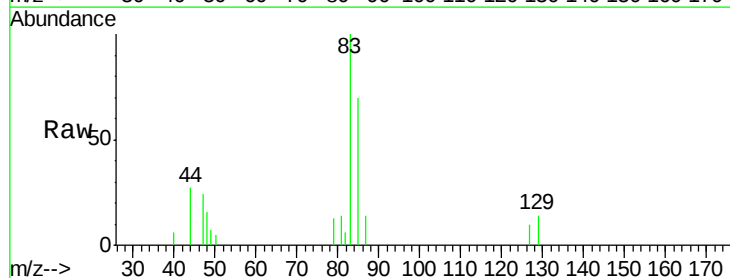
Manual Integrations
 APPROVED

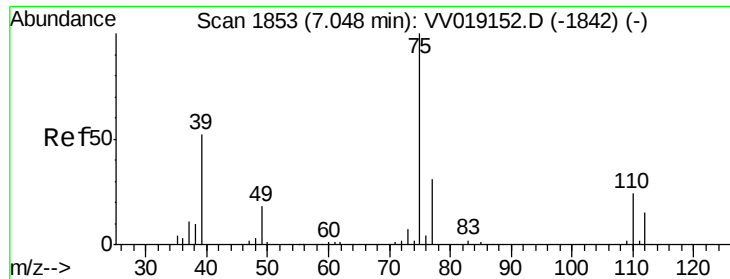
MMDadoda
 11/2/2020 2:27:05 PM



#38
 Bromodichloromethane
 Concen: 2.148 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Tgt Ion: 83 Resp: 4811
 Ion Ratio Lower Upper
 83 100
 85 69.9 45.9 85.3
 127 10.3 6.9 10.3#





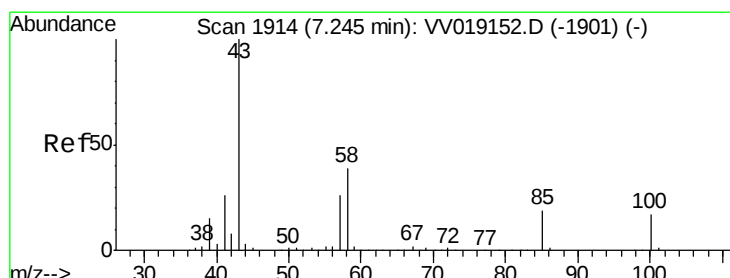
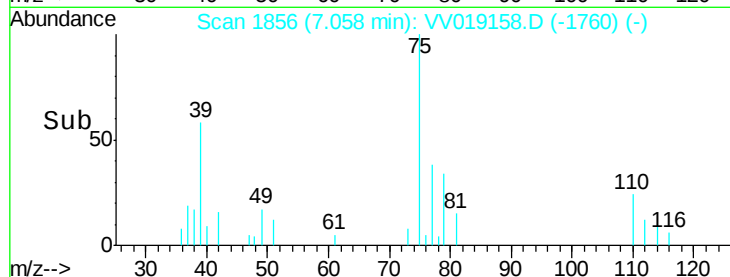
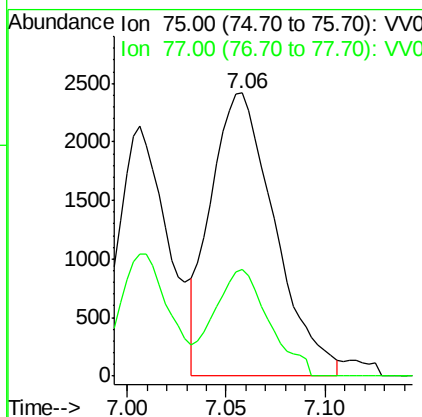
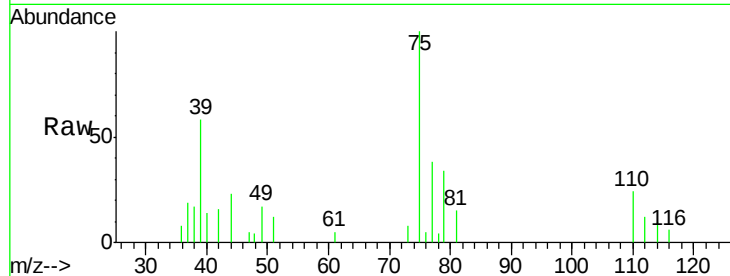
#39
 cis-1,3-Dichloropropene
 Concen: 2.185 ug/L m
 RT: 7.06 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion: 75 Resp: 5434
 Ion Ratio Lower Upper
 75 100
 77 37.6 22.7 42.1

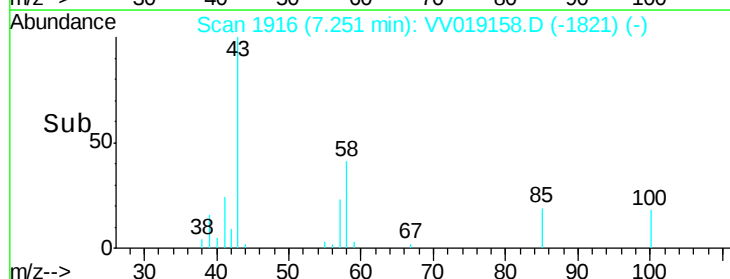
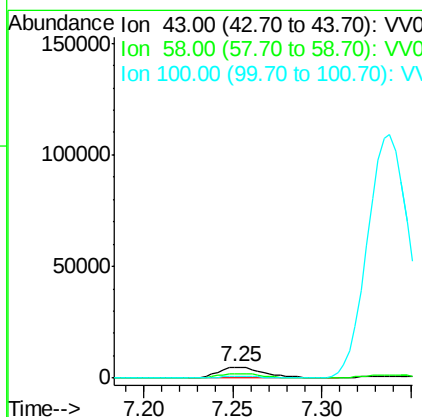
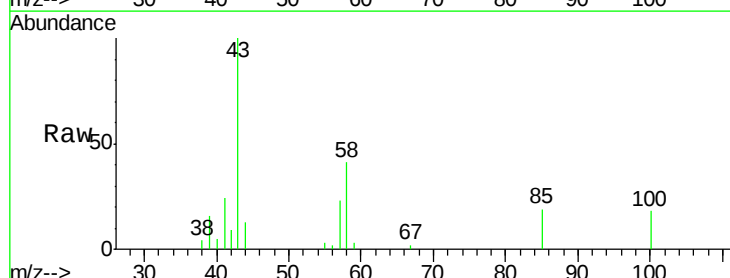
Manual Integrations
 APPROVED

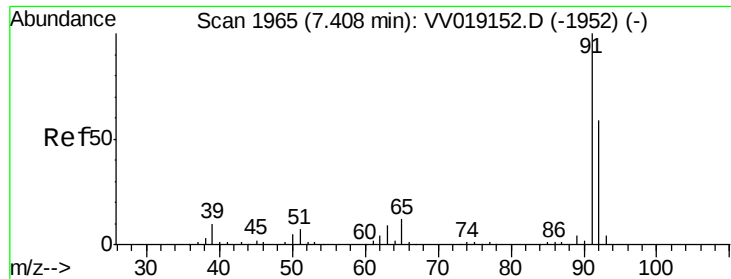
MMDadoda
 11/2/2020 2:27:05 PM



#40
 4-Methyl-2-pentanone
 Concen: 4.442 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Tgt Ion: 43 Resp: 9226
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.0 46.4
 100 15.4 13.2 19.8





#42

Toluene

Concen: 2.781 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 18481

Ion Ratio Lower Upper

91 100

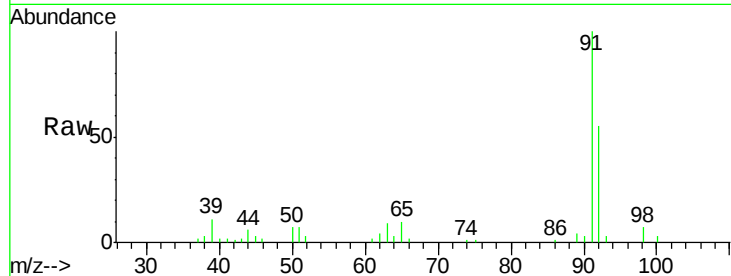
92 54.9 41.5 77.1

Manual Integrations

APPROVED

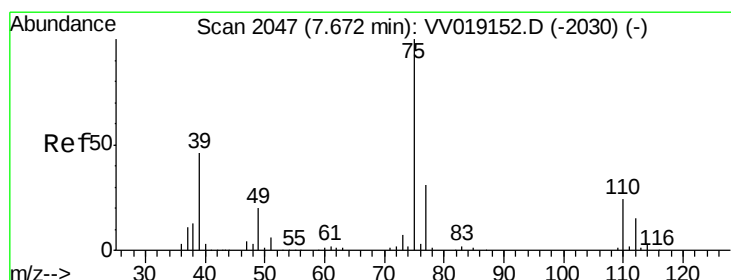
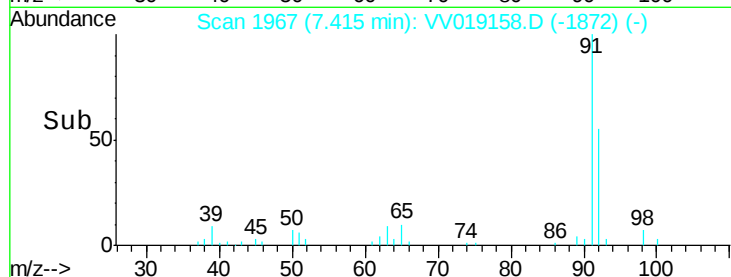
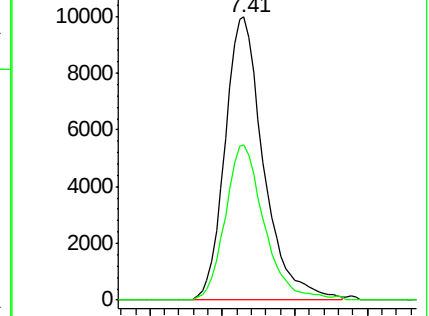
MMDadoda

11/2/2020 2:27:05 PM



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 2.309 ug/L m

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV019158.D

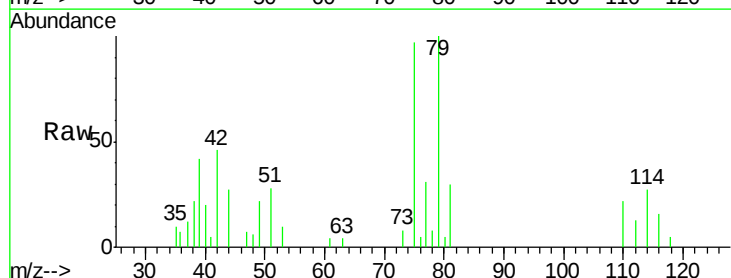
Acq: 29 Oct 2020 20:24

Tgt Ion: 75 Resp: 5972

Ion Ratio Lower Upper

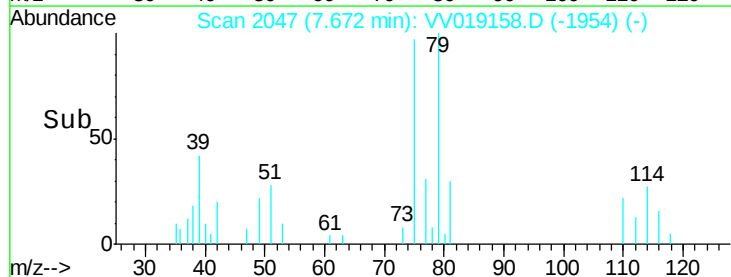
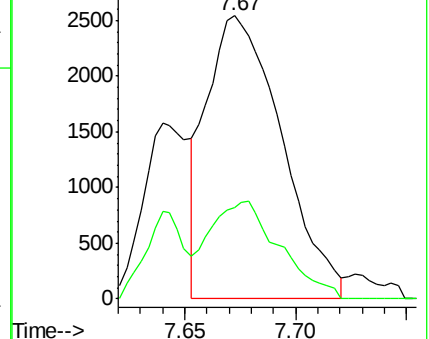
75 100

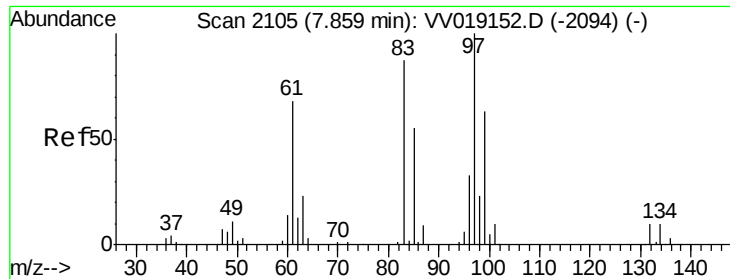
77 32.4 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





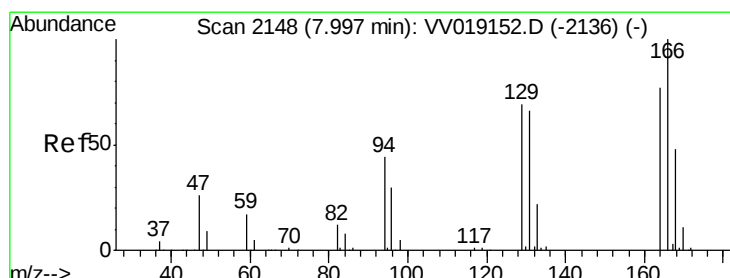
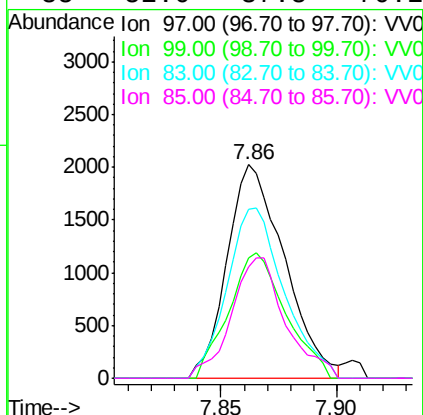
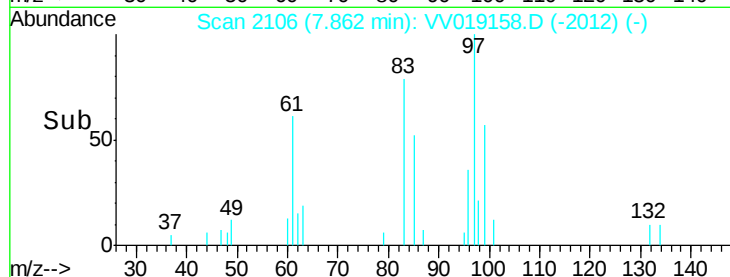
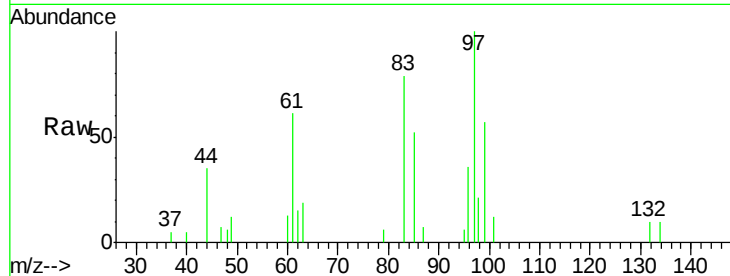
#45
1,1,2-Trichloroethane
Concen: 2.303 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:	97	Resp:	3477
Ion	Ratio	Lower	Upper
97	100		
99	56.6	43.1	80.1
83	79.4	58.3	108.3
85	52.0	37.8	70.2

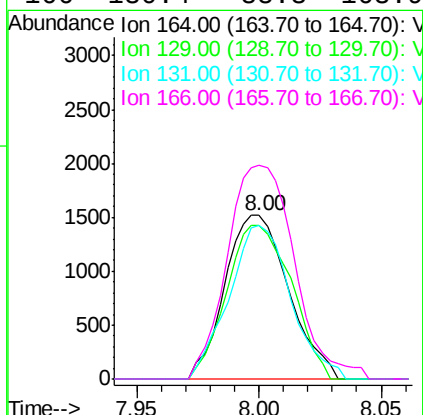
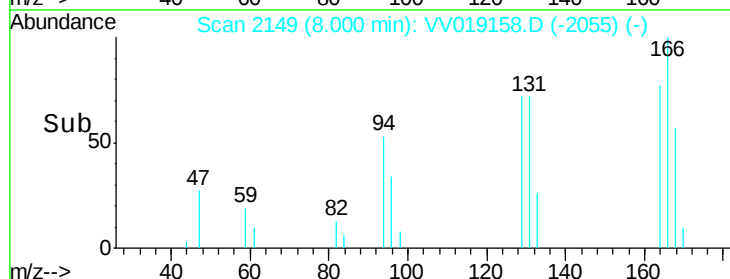
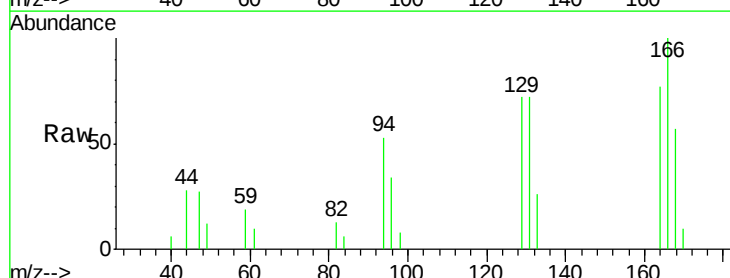
Manual Integrations
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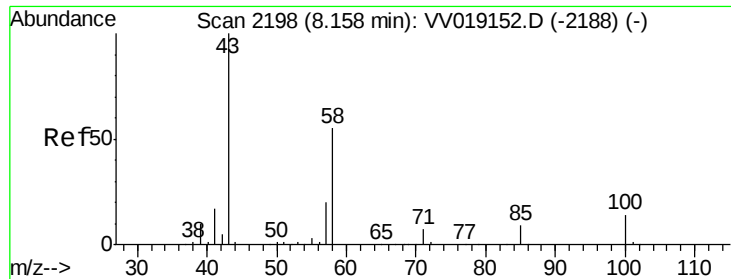
MMDadoda
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#46
Tetrachloroethene
Concen: 1.935 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Tgt Ion:	164	Resp:	2744
Ion	Ratio	Lower	Upper
164	100		
129	93.6	63.2	117.4
131	94.0	60.3	112.1
166	130.4	88.3	163.9





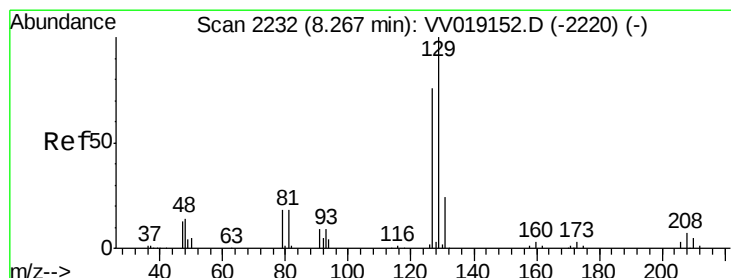
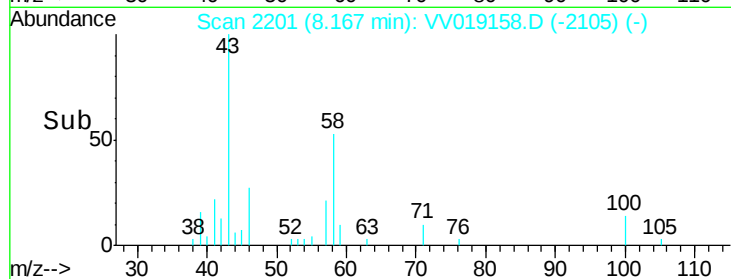
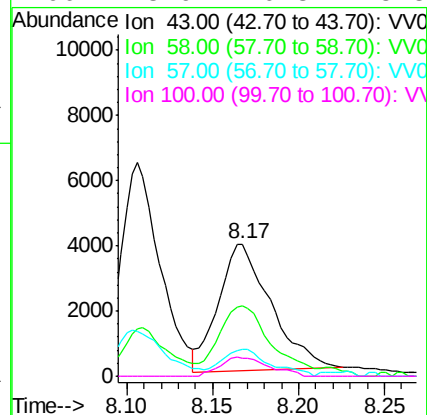
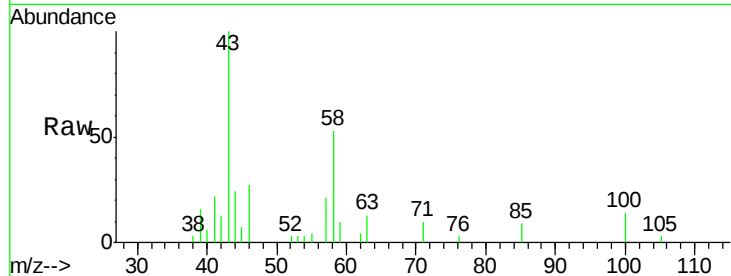
#48
2-Hexanone
Concen: 4.996 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	50.9	43.6	65.4	
57	19.8	16.0	24.0	
100	13.9	10.3	15.5	

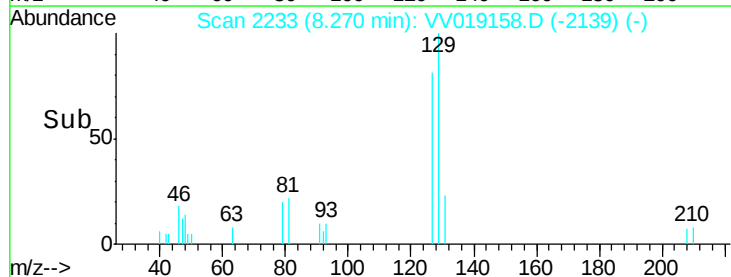
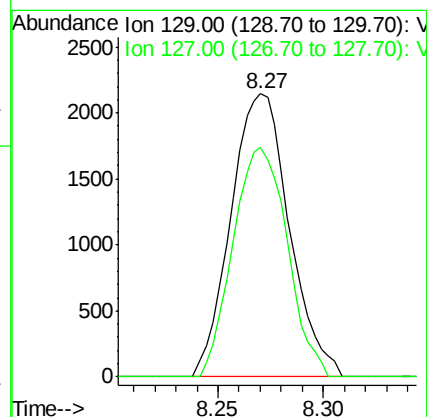
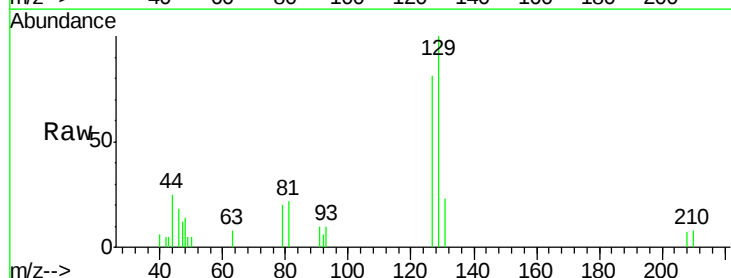
Manual Integrations
APPROVED

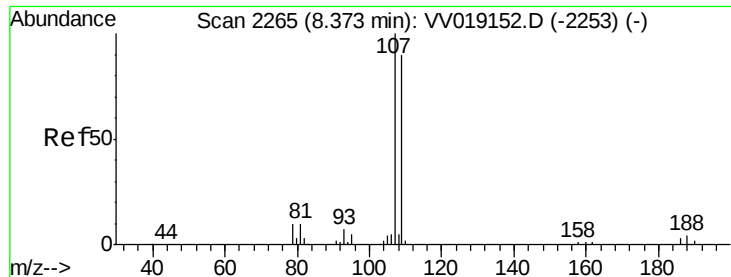
MMDadoda
11/2/2020 2:27:05 PM



#49
Dibromochloromethane
Concen: 2.261 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	81.0	54.7	101.5	





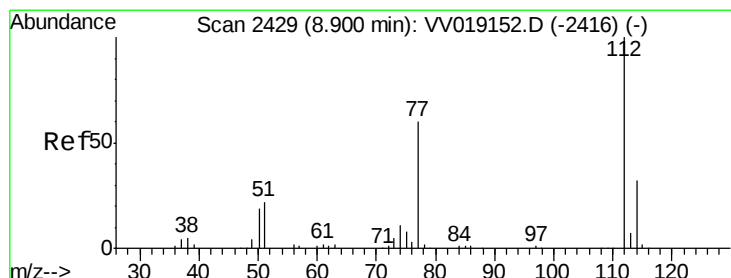
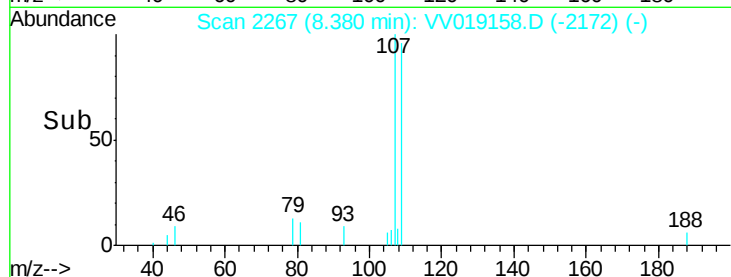
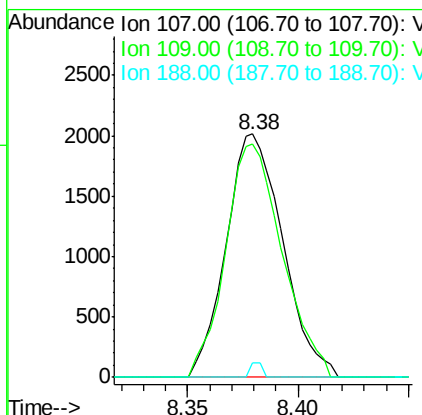
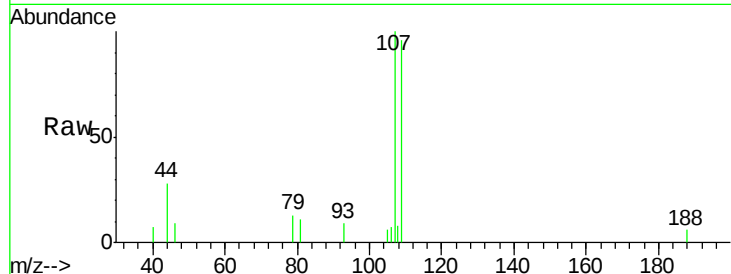
#50
1,2-Dibromoethane
Concen: 2.237 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.01 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	65.7	121.9
188	6.1	3.4	5.2#

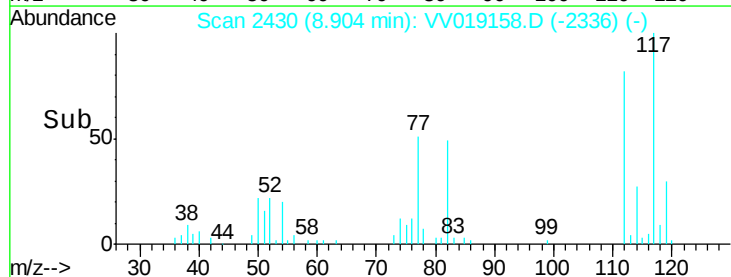
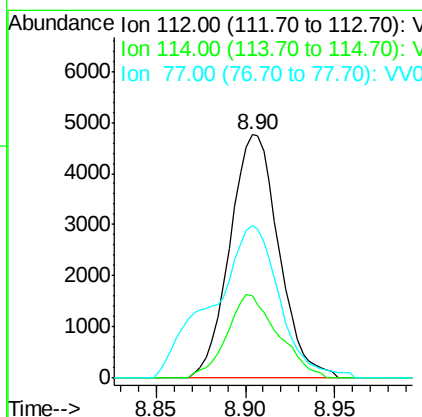
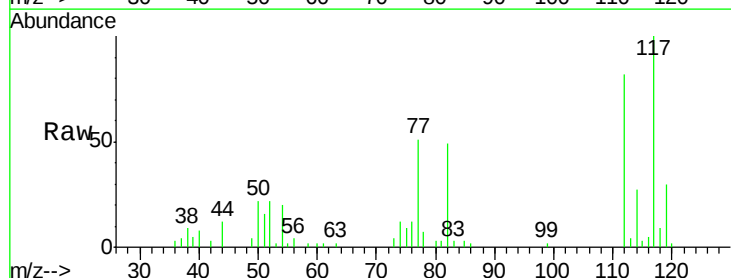
Manual Integrations
APPROVED

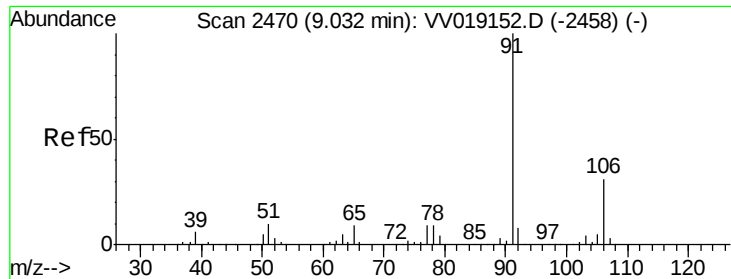
MMDadoda
11/2/2020 2:27:05 PM



#51
Chlorobenzene
Concen: 2.092 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019158.D
Acq: 29 Oct 2020 20:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.6	22.3	41.5
77	62.9	46.7	70.1





#52

Ethylbenzene

Concen: 2.021 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 91 Resp: 14798

Ion Ratio Lower Upper

91 100

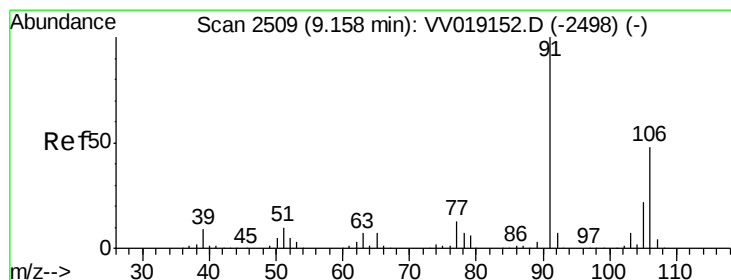
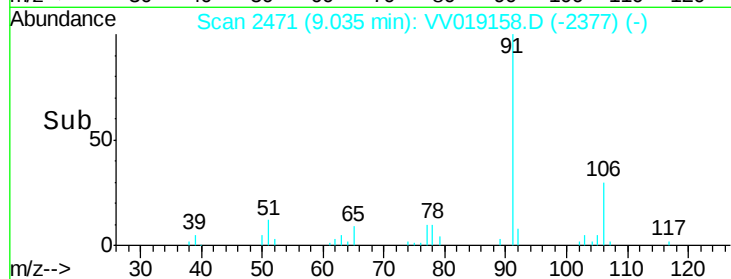
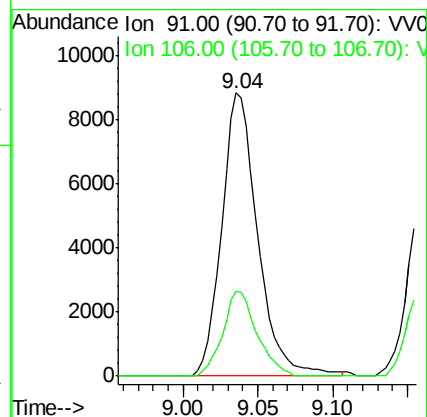
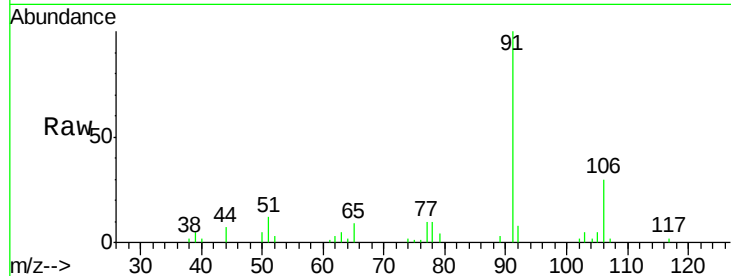
106 30.2 21.6 40.0

Manual Integrations

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11/2/2020 2:27:05 PM



#53

m,p-Xylene

Concen: 2.020 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019158.D

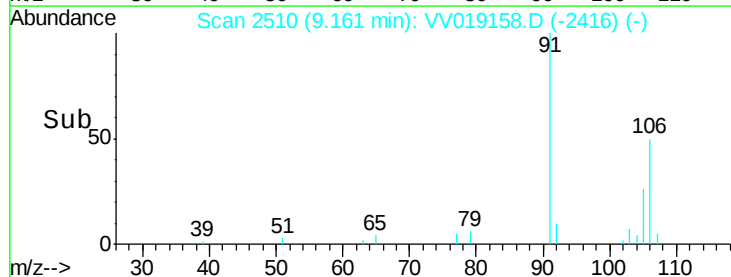
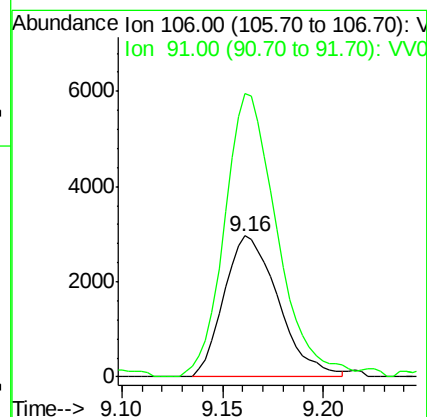
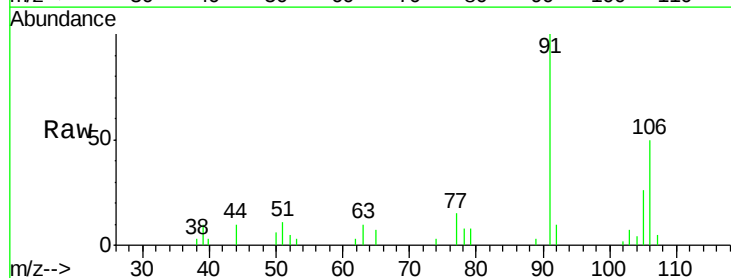
Acq: 29 Oct 2020 20:24

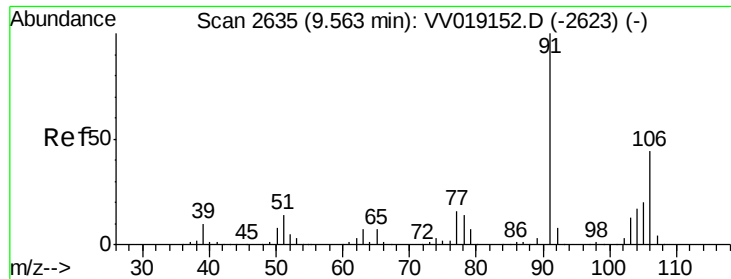
Tgt Ion: 106 Resp: 5587

Ion Ratio Lower Upper

106 100

91 200.9 145.4 270.0





#54

o-xylene

Concen: 1.937 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion:106 Resp: 5145

Ion Ratio Lower Upper

106 100

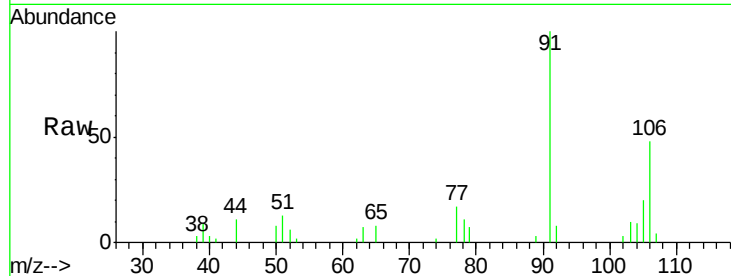
91 208.2 153.4 285.0

Manual Integrations

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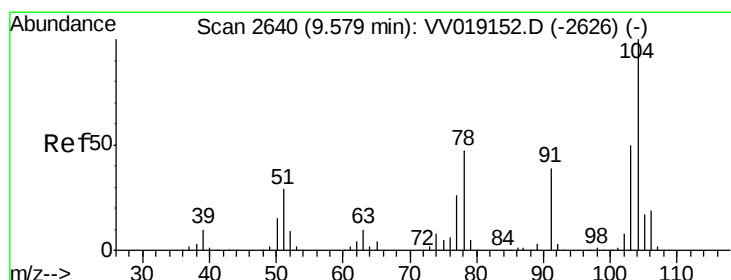
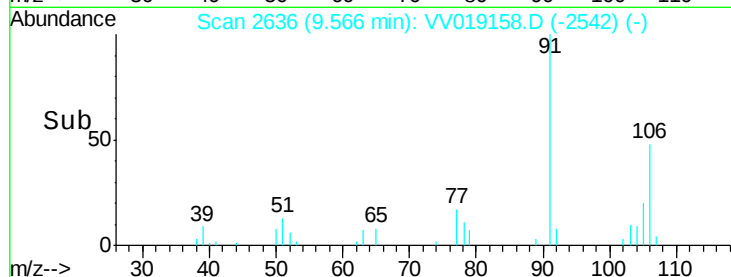
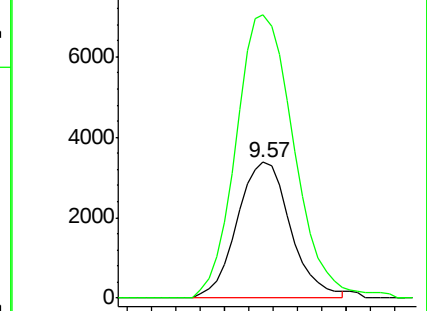
MMDadoda

11/2/2020 2:27:05 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 1.736 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV019158.D

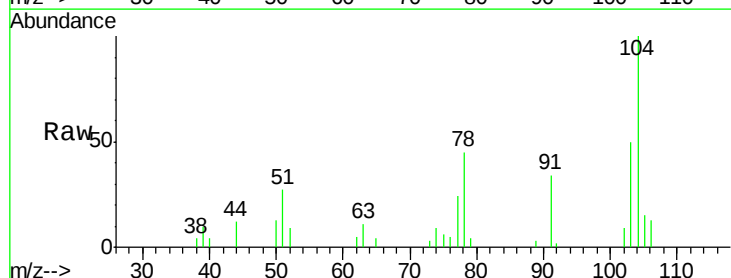
Acq: 29 Oct 2020 20:24

Tgt Ion:104 Resp: 8172

Ion Ratio Lower Upper

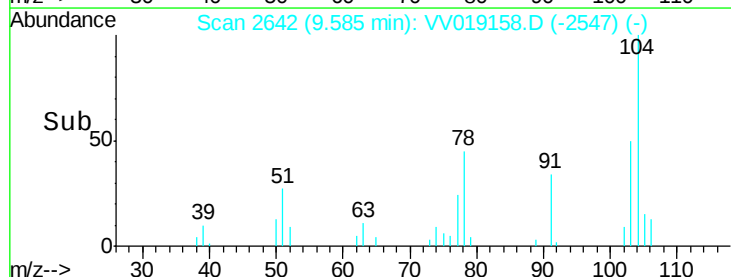
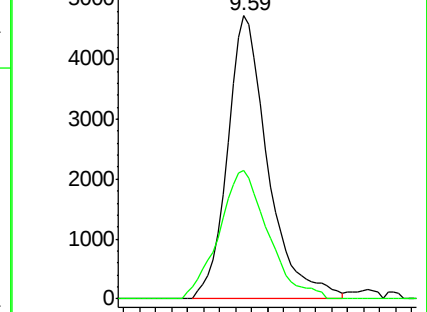
104 100

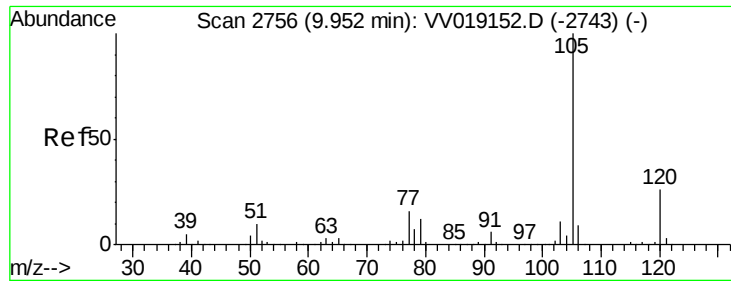
78 45.4 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 1.727 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

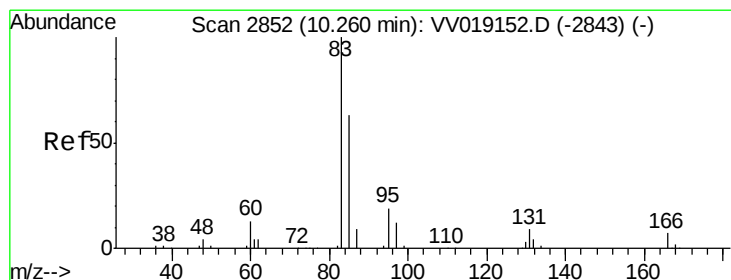
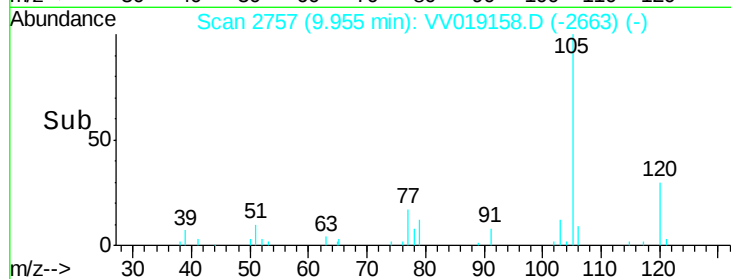
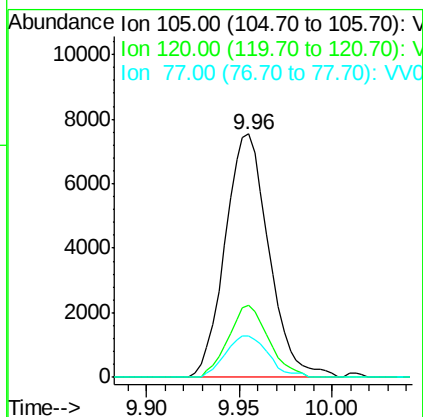
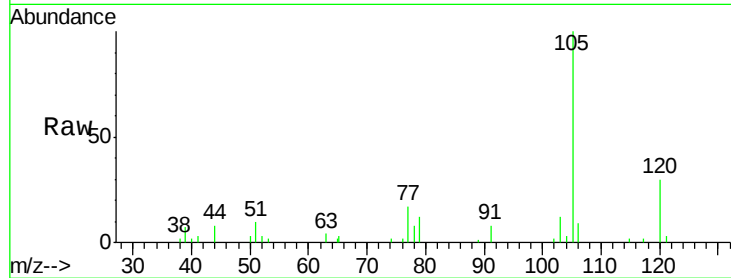
ClientSampled :

MDL04

Tot Ion:	105	Resp:	12327
Ion Ratio	Lower	Upper	
105	100		
120	27.2	21.3	31.9
77	16.9	13.0	19.4

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#58

1,1,2,2-Tetrachloroethane

Concen: 2.328 ug/L

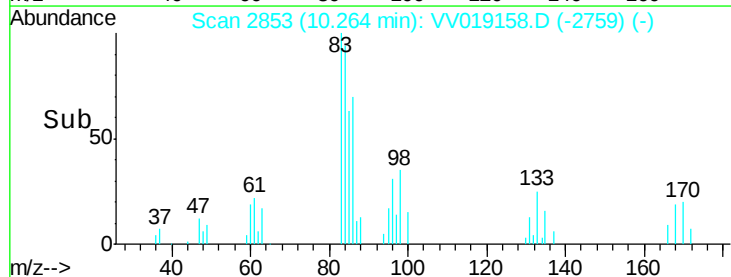
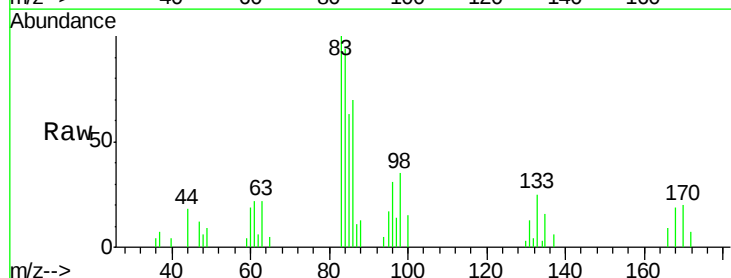
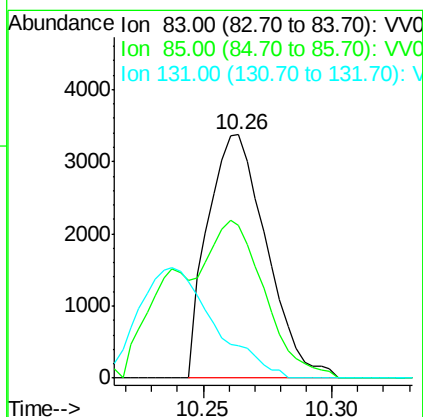
RT: 10.26 min Scan# 2853

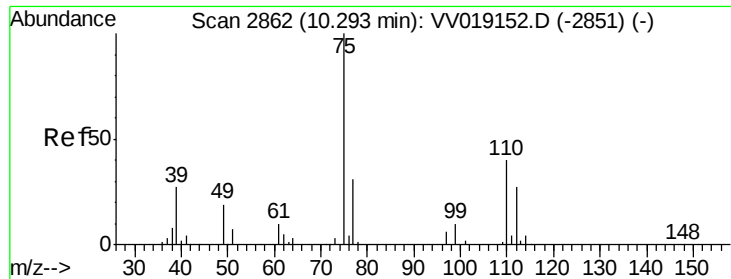
Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Tgt Ion:	83	Resp:	5352
Ion Ratio	Lower	Upper	
83	100		
85	62.8	45.8	85.0
131	13.2	8.9	13.3





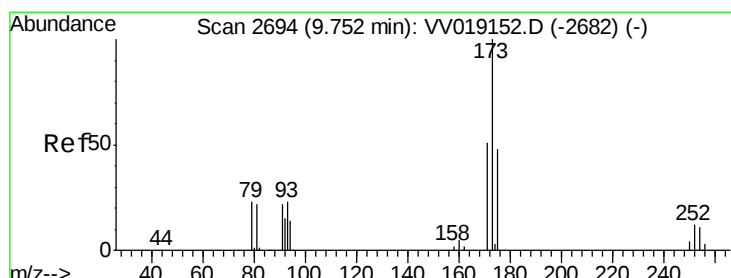
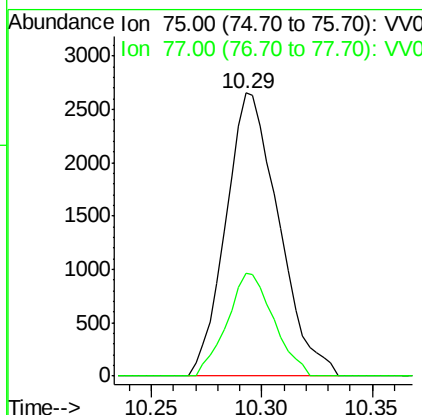
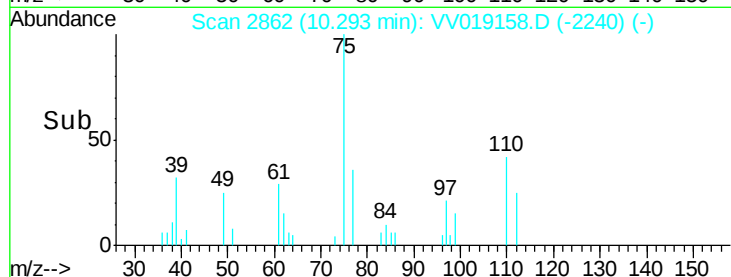
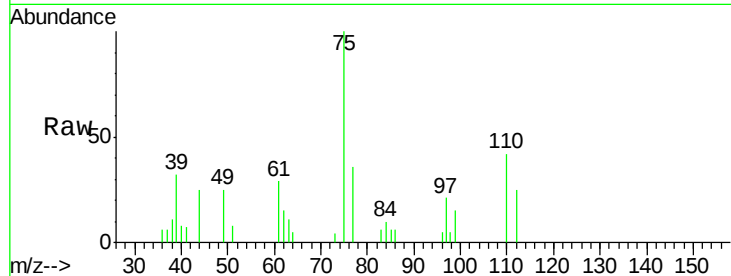
#59
 1,2,3-Trichloropropane
 Concen: 2.243 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion: 75 Resp: 4414
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.4

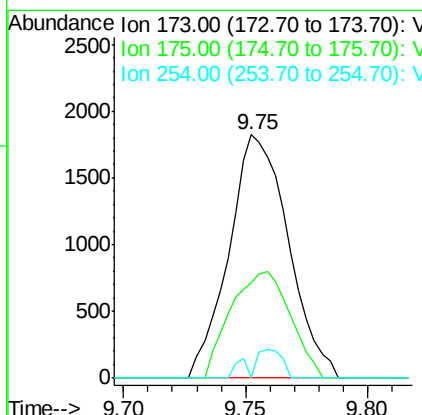
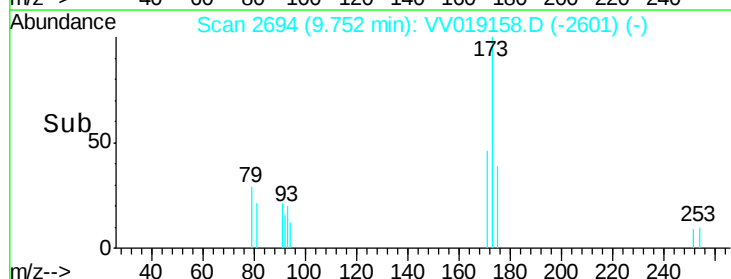
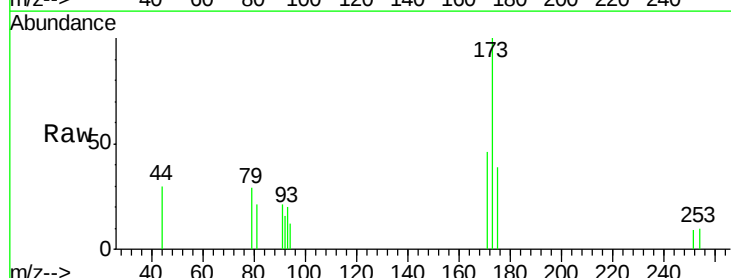
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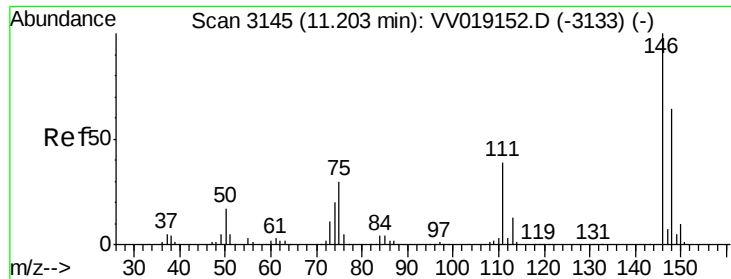
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#61
 Bromoform
 Concen: 2.313 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Tgt Ion: 173 Resp: 3078
 Ion Ratio Lower Upper
 173 100
 175 0.0 39.8 59.6#
 254 1.6 9.7 14.5#





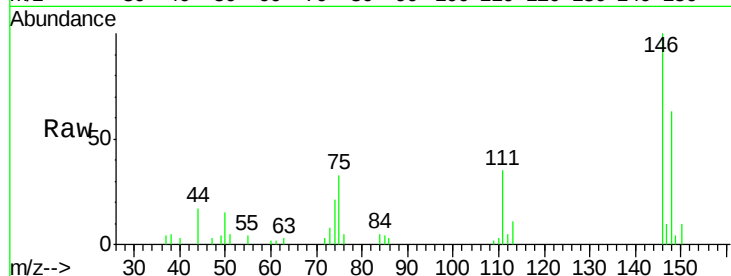
#62
 1,3-Dichlorobenzene
 Concen: 2.081 ug/L
 RT: 11.21 min Scan# 3147
 Delta R.T. 0.01 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

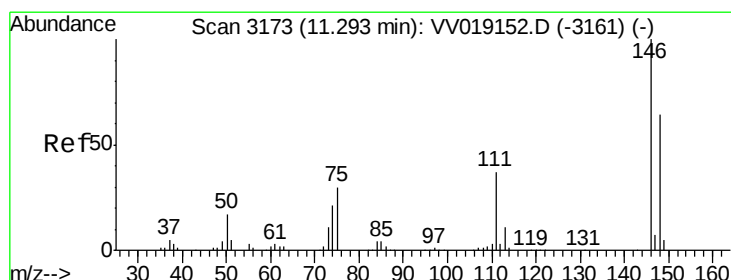
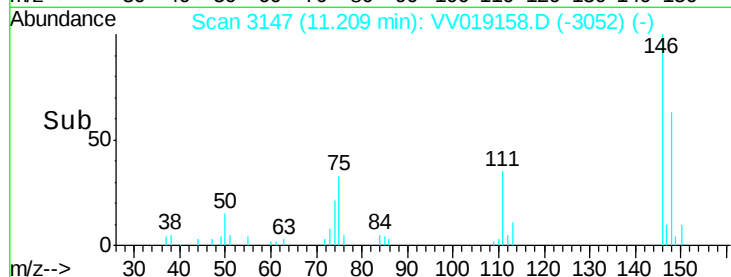
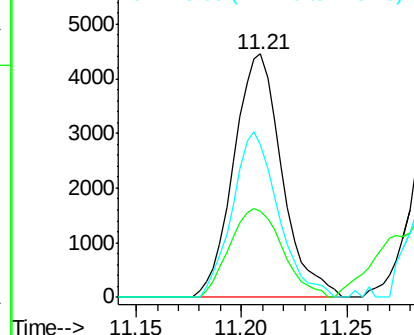
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.3	27.1	50.3
148	62.7	44.7	83.1

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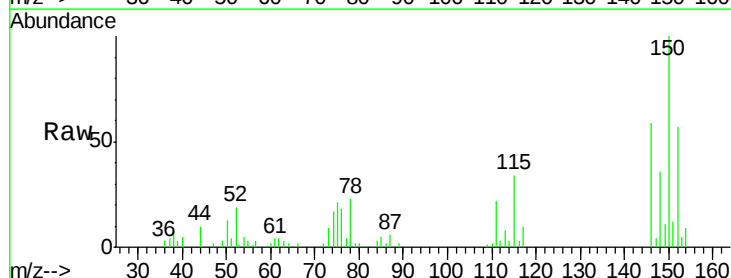


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

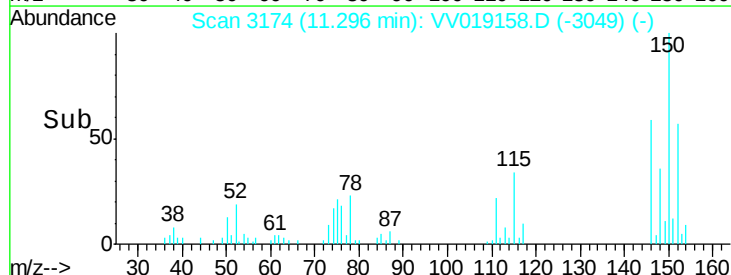
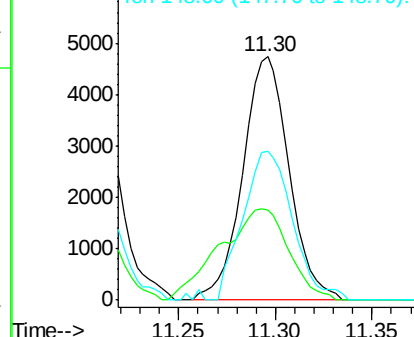


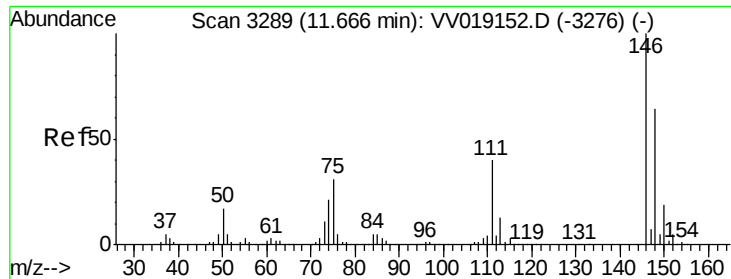
#63
 1,4-Dichlorobenzene
 Concen: 2.235 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	25.8	48.0
148	61.4	44.0	81.6



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.243 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

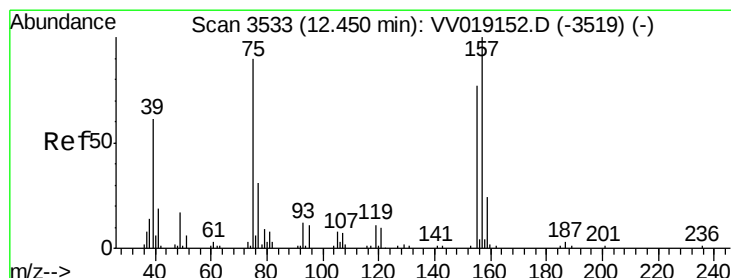
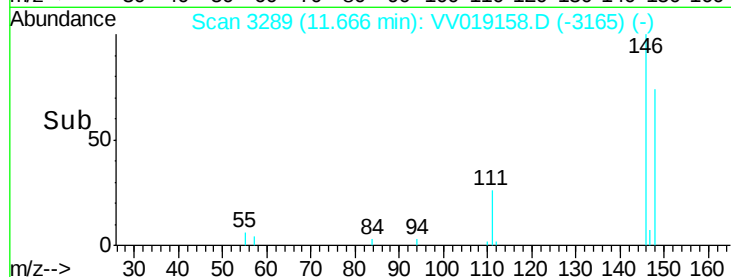
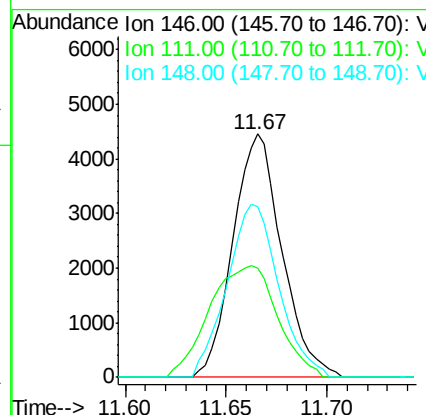
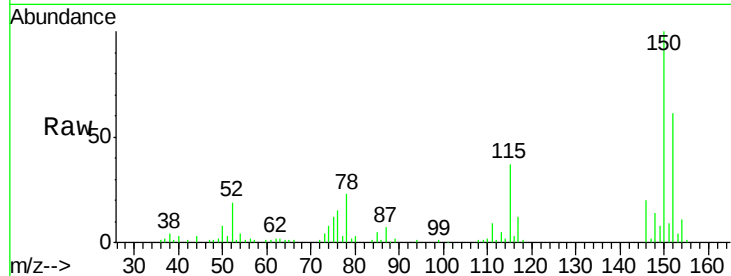
ClientSampleId :

MDL04

Tot Ion:	146	Resp:	7561
Ion Ratio	Lower	Upper	
146	100		
111	45.0	32.2	48.4
148	70.0	50.8	76.2

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#66

1,2-Dibromo-3-chloropropane

Concen: 2.372 ug/L

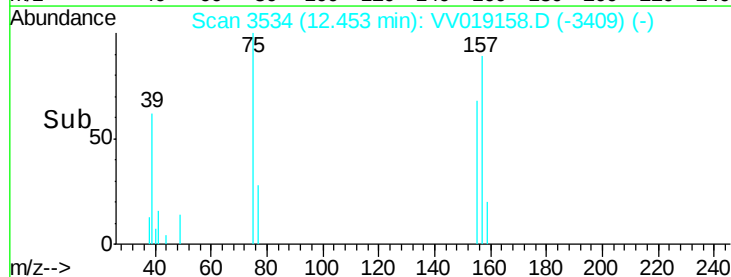
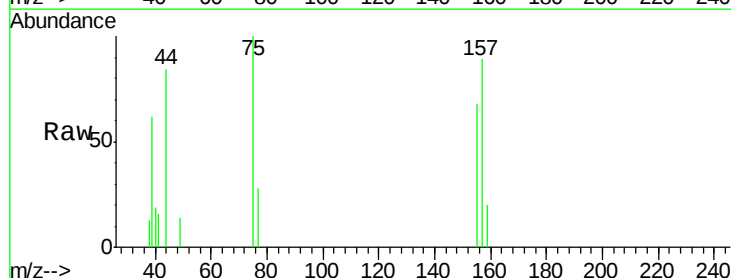
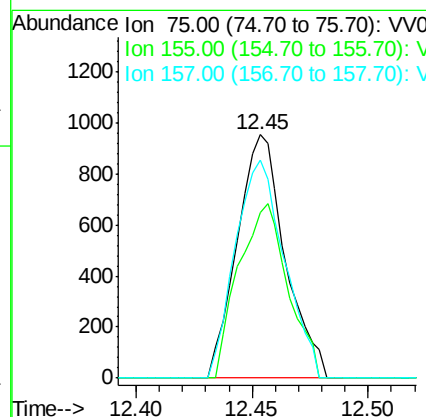
RT: 12.45 min Scan# 3534

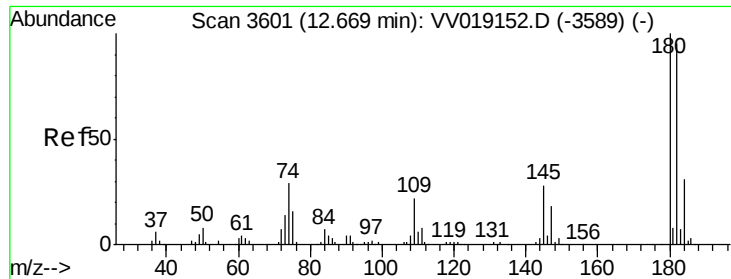
Delta R.T. 0.00 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Tgt Ion:	75	Resp:	1368
Ion Ratio	Lower	Upper	
75	100		
155	68.2	71.1	106.7#
157	89.3	90.5	135.7#





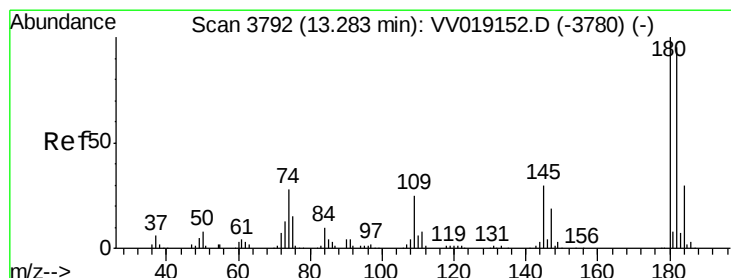
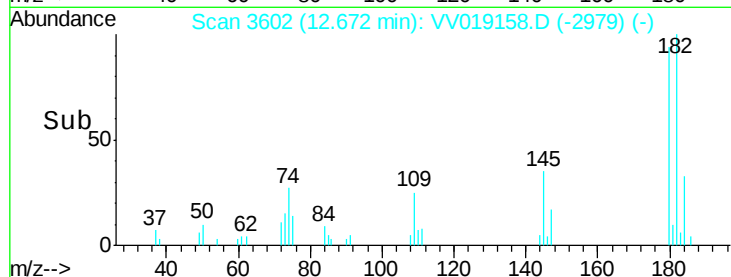
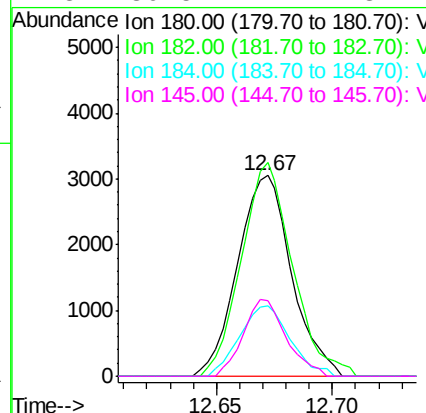
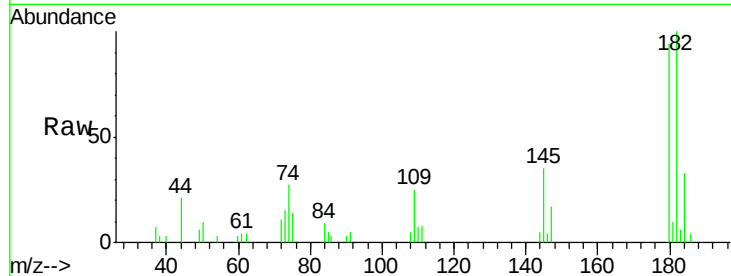
#67
 1,3,5-Trichlorobenzene
 Concen: 1.966 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion	Ratio	Resp	Lower	Upper
180	100	4926		
182	101.1		76.1	114.1
184	32.4		24.5	36.7
145	30.5		22.7	34.1

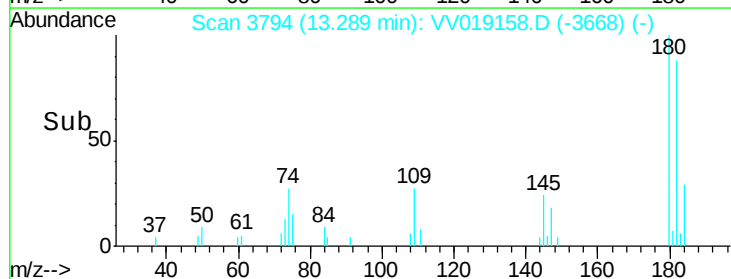
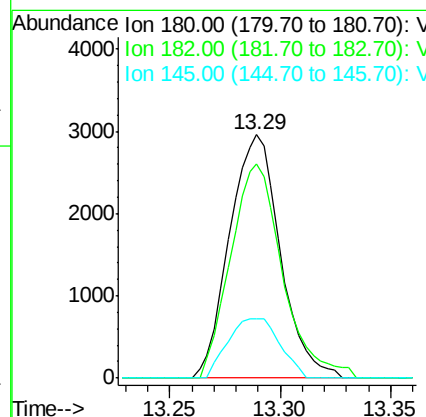
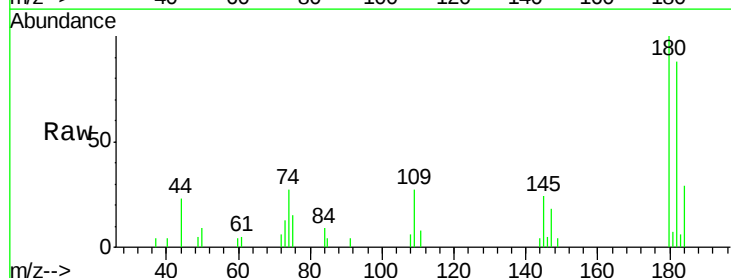
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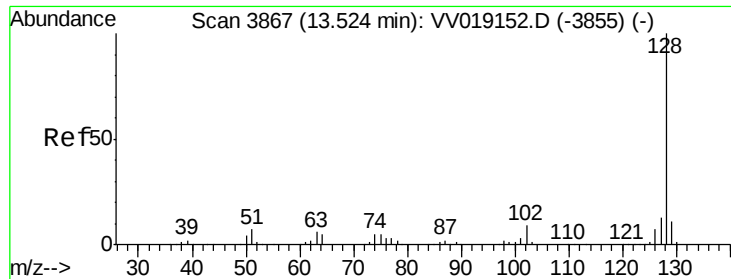
MMDadoda
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#68
 1,2,4-trichlorobenzene
 Concen: 2.015 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV019158.D
 Acq: 29 Oct 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	4729		
182	89.8		75.8	113.6
145	24.9		22.6	34.0





#69

Naphthalene

Concen: 1.661 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Instrument :

MSVOA_V

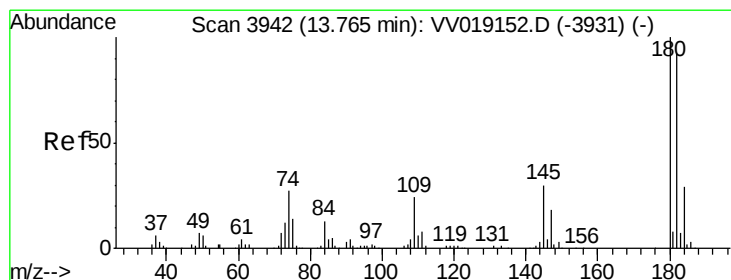
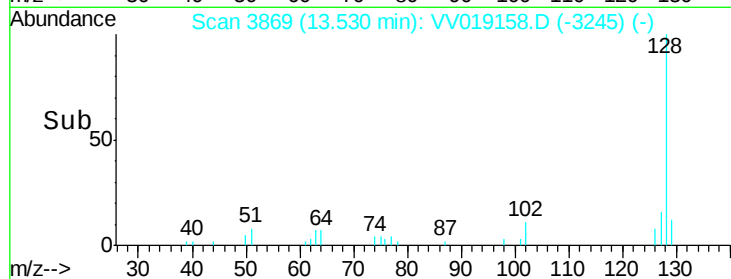
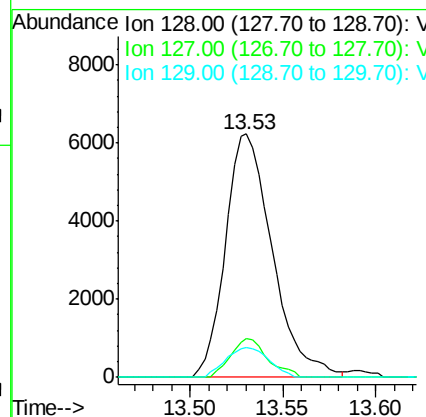
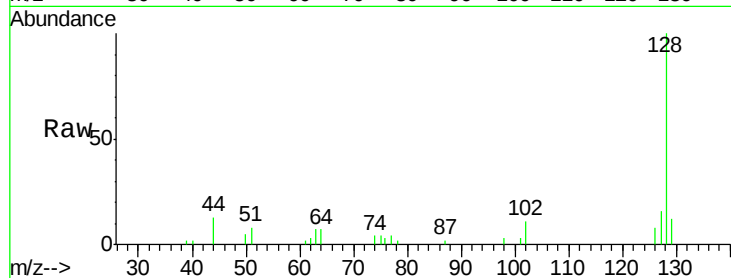
ClientSampleId :

MDL04

Tot Ion:	128	Resp:	10918
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.8	16.2
129	11.2	8.6	13.0

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 1.947 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV019158.D

Acq: 29 Oct 2020 20:24

Tgt Ion:	180	Resp:	4473
Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.2	114.4
145	33.6	25.1	37.7

