

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062420\
 Data File : VN062057.D
 Acq On : 24 Jun 2020 10:06
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/25/2020 6:10:03 PM

Quant Time: Jun 24 11:25:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 11:12:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	244992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	443150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	405361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169376	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	18441	5.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.24%	
35) Dibromofluoromethane	7.55	113	14804	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
50) Toluene-d8	10.06	98	55647	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
62) 4-Bromofluorobenzene	12.38	95	17142	4.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	16204	5.909	ug/l	89
3) Chloromethane	2.04	50	21595	6.429	ug/l	94
4) Vinyl Chloride	2.16	62	25281	6.306	ug/l	96
5) Bromomethane	2.52	94	17323	5.718	ug/l	99
6) Chloroethane	2.66	64	18033	6.584	ug/l	94
7) Trichlorofluoromethane	2.98	101	31751	6.678	ug/l	95
8) Diethyl Ether	3.37	74	11186	6.839	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	17439	6.981	ug/l	97
10) Methyl Iodide	3.91	142	15816	5.802	ug/l #	96
11) Tert butyl alcohol	4.73	59	13629	29.625	ug/l #	89
12) 1,1-Dichloroethene	3.69	96	16776	6.714	ug/l	91
13) Acrolein	3.56	56	12334	39.174	ug/l	93
14) Allyl chloride	4.28	41	21229	6.326	ug/l	99
15) Acrylonitrile	4.93	53	36265	31.570	ug/l	95
16) Acetone	3.78	43	35078	34.958	ug/l	97
17) Carbon Disulfide	4.01	76	48845	6.644	ug/l	99
18) Methyl Acetate	4.28	43	15239	5.558	ug/l #	68
19) Methyl tert-butyl Ether	5.00	73	48877	5.873	ug/l	97
20) Methylene Chloride	4.50	84	20183	6.337	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	18373	6.406	ug/l	97
22) Diisopropyl ether	5.90	45	47895	6.247	ug/l	93
23) Vinyl Acetate	5.84	43	185882	30.491	ug/l	100
24) 1,1-Dichloroethane	5.80	63	32243	6.458	ug/l	99
25) 2-Butanone	6.79	43	45097	31.126	ug/l	96
26) 2,2-Dichloropropane	6.78	77	27366	6.481	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	20421	6.181	ug/l	97
28) Bromochloromethane	7.15	49	13480	6.042	ug/l	99
29) Tetrahydrofuran	7.17	42	29628	31.022	ug/l	98
30) Chloroform	7.33	83	32899	6.203	ug/l	98
31) Cyclohexane	7.62	56	29469	6.733	ug/l #	85
32) 1,1,1-Trichloroethane	7.53	97	28064	6.222	ug/l	99
36) 1,1-Dichloropropene	7.75	75	23826	5.881	ug/l	99
37) Ethyl Acetate	6.88	43	17927	5.586	ug/l	97
38) Carbon Tetrachloride	7.73	117	23508	5.892	ug/l	97

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 ALS Vial : 3 Sample Multiplier: 1

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	23742	5.440	ug/l	98
40) Benzene	8.00	78	75594	6.130	ug/l	97
41) Methacrylonitrile	7.13	41	8506	6.083	ug/l	95
42) 1,2-Dichloroethane	8.08	62	25991	6.188	ug/l	98
43) Isopropyl Acetate	8.13	43	31035	5.776	ug/l #	88
44) Trichloroethene	8.80	130	19467	6.056	ug/l	94
45) 1,2-Dichloropropane	9.08	63	17843	5.895	ug/l	96
46) Dibromomethane	9.17	93	12565	5.930	ug/l	96
47) Bromodichloromethane	9.37	83	24883	5.718	ug/l	94
48) Methyl methacrylate	9.17	41	12810	5.218	ug/l	98
49) 1,4-Dioxane	9.17	88	6300	111.528	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	88465	27.686	ug/l	99
52) Toluene	10.12	92	43708	5.658	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	26444	5.691	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	28010	5.562	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	17989	5.912	ug/l	96
56) Ethyl methacrylate	10.40	69	20164	4.950	ug/l	97
57) 1,3-Dichloropropane	10.68	76	31053	6.021	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	41839	26.085	ug/l	97
59) 2-Hexanone	10.72	43	59990	26.130	ug/l	98
60) Dibromochloromethane	10.87	129	18423	5.475	ug/l	97
61) 1,2-Dibromoethane	10.98	107	17572	5.552	ug/l	100
64) Tetrachloroethene	10.60	164	15842	6.149	ug/l	96
65) Chlorobenzene	11.41	112	48978	5.726	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	17029	5.730	ug/l	98
67) Ethyl Benzene	11.48	91	76629	5.332	ug/l	97
68) m/p-Xylenes	11.59	106	60701	10.951	ug/l	96
69) o-Xylene	11.92	106	27488	5.211	ug/l	96
70) Styrene	11.94	104	43201	4.891	ug/l	97
71) Bromoform	12.10	173	11368	5.260	ug/l #	93
73) Isopropylbenzene	12.22	105	71501	5.911	ug/l	99
74) N-amyl acetate	12.05	43	19552	4.987	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	25343	6.396	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	23960m	7.105	ug/l	
77) Bromobenzene	12.50	156	18402	6.047	ug/l	99
78) n-propylbenzene	12.57	91	79036	5.702	ug/l	99
79) 2-Chlorotoluene	12.65	91	50723	6.098	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	56860	5.692	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.28	75	6577	5.287	ug/l	89
82) 4-Chlorotoluene	12.75	91	51866	6.041	ug/l	100
83) tert-Butylbenzene	12.97	119	48569	5.735	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	56209	5.708	ug/l	99
85) sec-Butylbenzene	13.15	105	65638	5.905	ug/l	99
86) p-Isopropyltoluene	13.26	119	54521	5.525	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	30944	5.605	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	32211	5.701	ug/l	95
89) n-Butylbenzene	13.59	91	42178	5.097	ug/l	99
90) Hexachloroethane	13.85	117	11467	6.302	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	30964	5.836	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	3704	5.761	ug/l	96

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MSVOA_N
ClientSampleId :
VSTDICC005

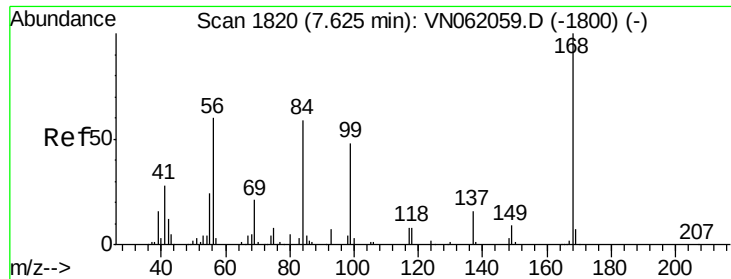
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	10615	4.271	ug/l	98
94) Hexachlorobutadiene	14.98	225	6044	6.133	ug/l	98
95) Naphthalene	15.11	128	26486	3.690	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	11170	4.515	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 244992

Ion Ratio Lower Upper

168 100

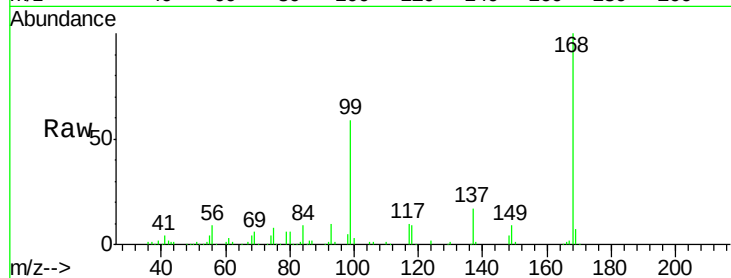
99 58.8 45.8 68.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

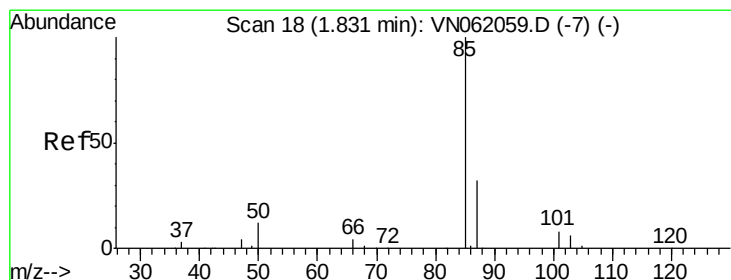
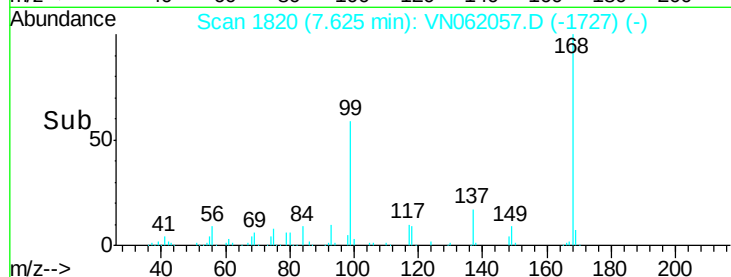
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.909 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062057.D

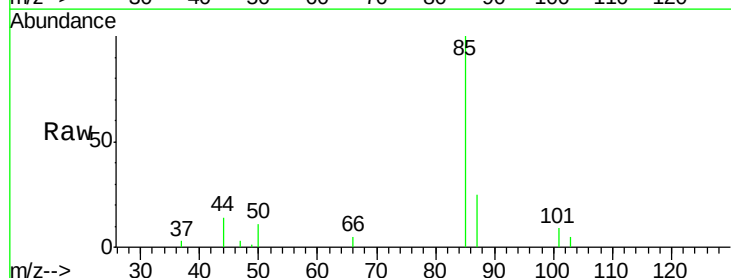
Acq: 24 Jun 2020 10:06

Tgt Ion: 85 Resp: 16204

Ion Ratio Lower Upper

85 100

87 25.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

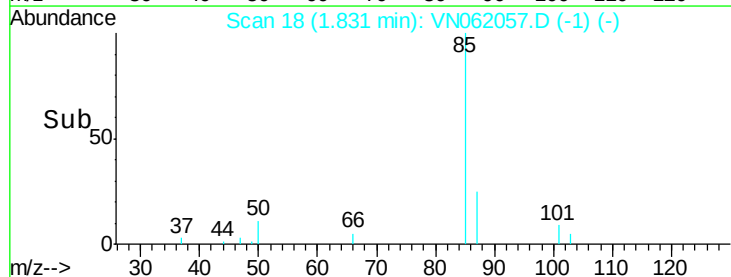
1.83

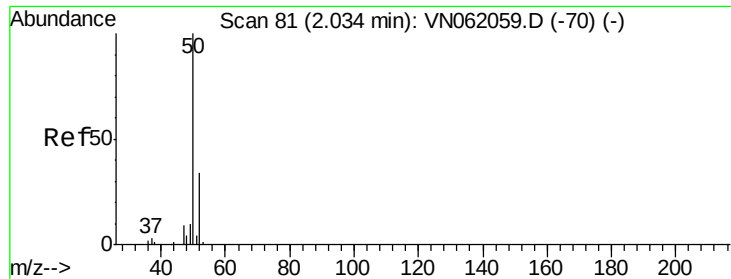
10000

5000

0

Time-->





#3

Chloromethane

Concen: 6.429 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 21595

Ion Ratio Lower Upper

50 100

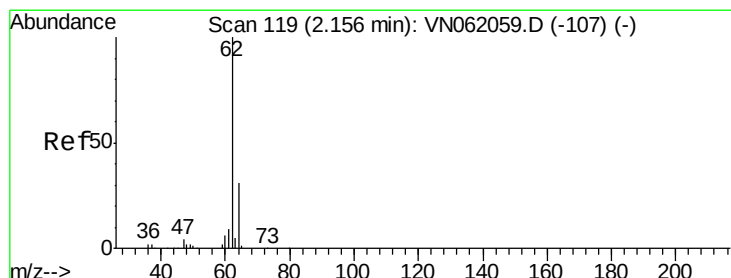
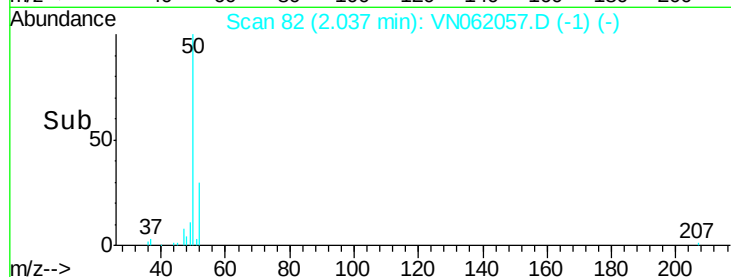
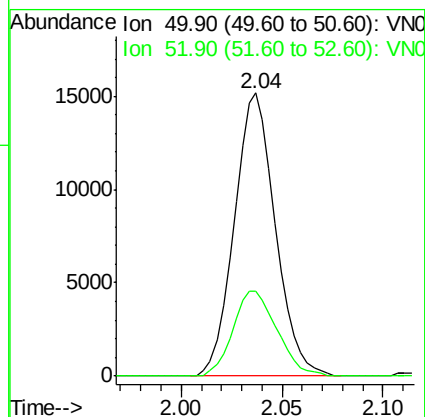
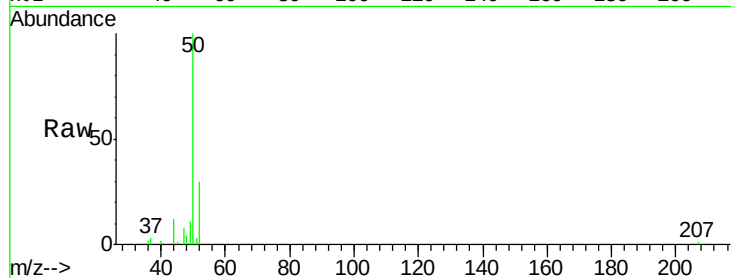
52 30.2 27.0 40.6

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#4

Vinyl Chloride

Concen: 6.306 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062057.D

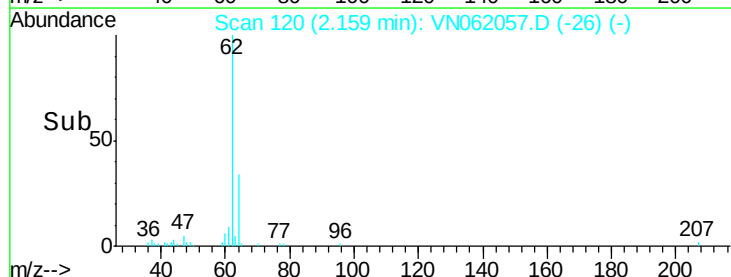
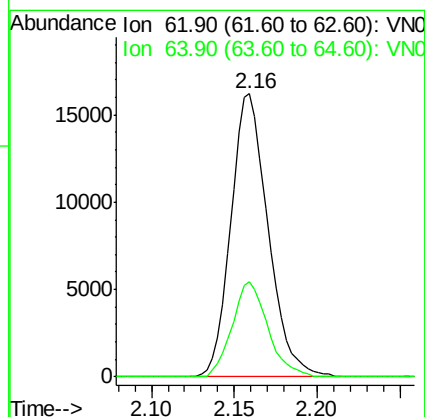
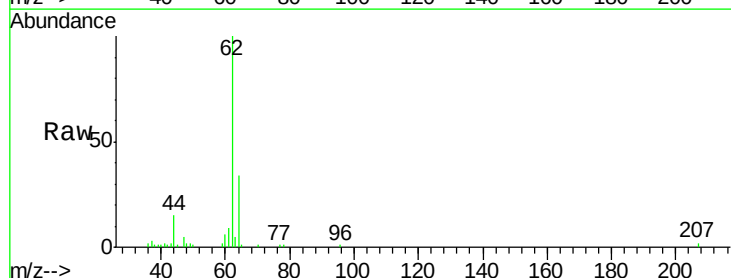
Acq: 24 Jun 2020 10:06

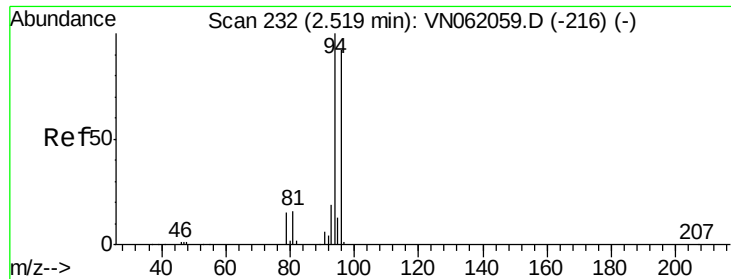
Tgt Ion: 62 Resp: 25281

Ion Ratio Lower Upper

62 100

64 33.6 25.1 37.7





#5

Bromomethane

Concen: 5.718 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 17323

Ion Ratio Lower Upper

94 100

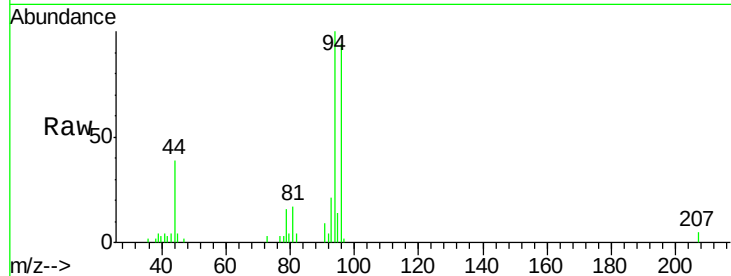
96 92.3 73.4 110.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN062057.D (-139) (-)

Ion 95.90 (95.60 to 96.60): VN062057.D (-139) (-)

2.52

8000

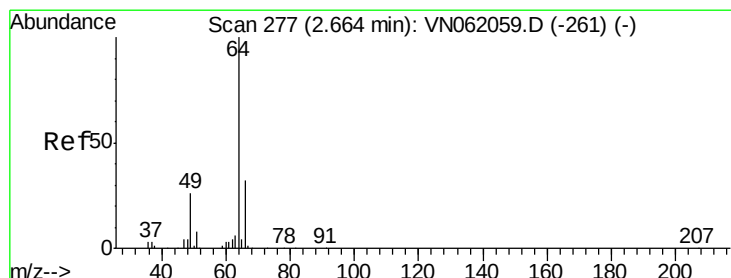
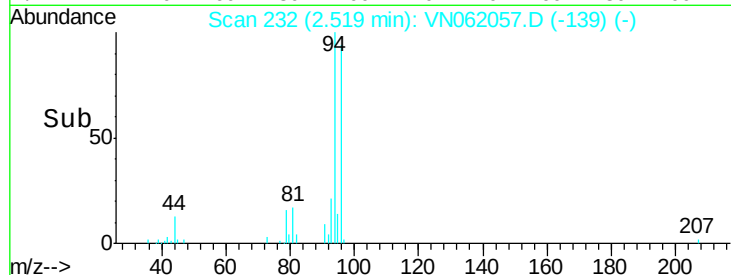
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 6.584 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062057.D

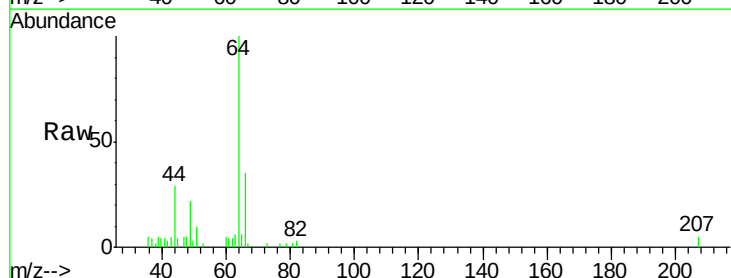
Acq: 24 Jun 2020 10:06

Tgt Ion: 64 Resp: 18033

Ion Ratio Lower Upper

64 100

66 35.4 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN062057.D (-184) (-)

Ion 65.90 (65.60 to 66.60): VN062057.D (-184) (-)

2.66

8000

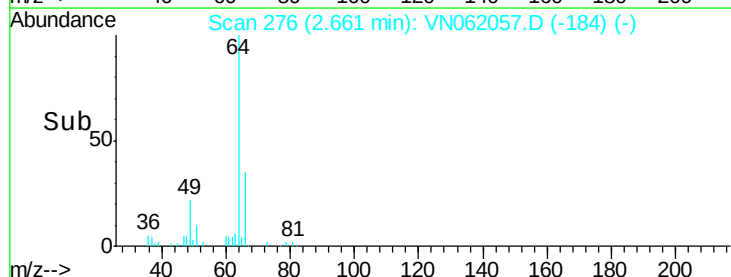
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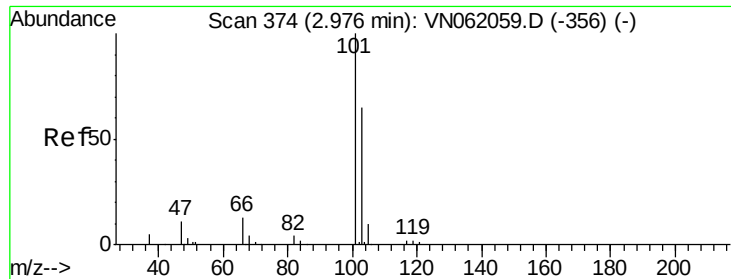
4000

2000

0

Time-->





#7

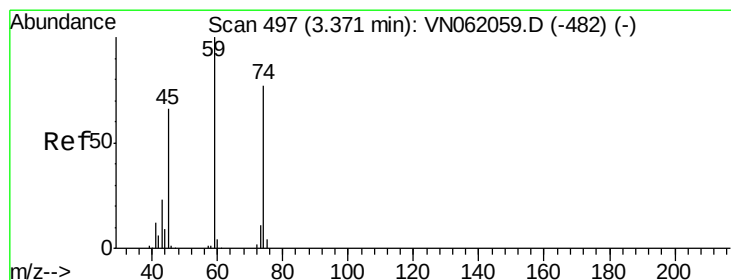
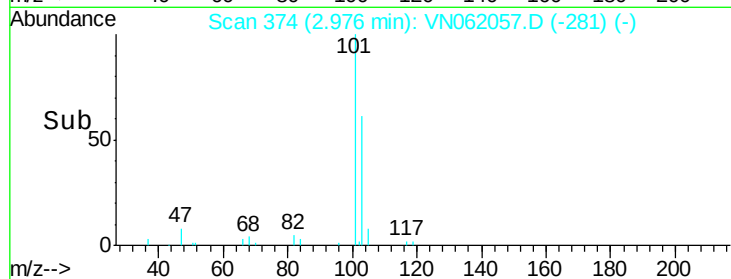
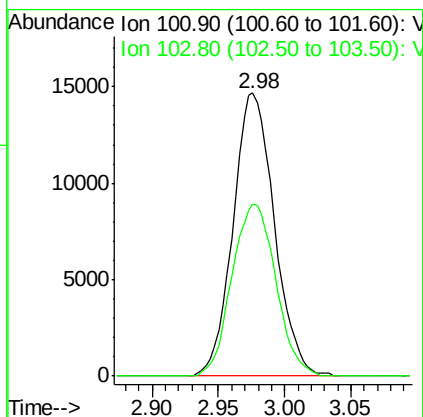
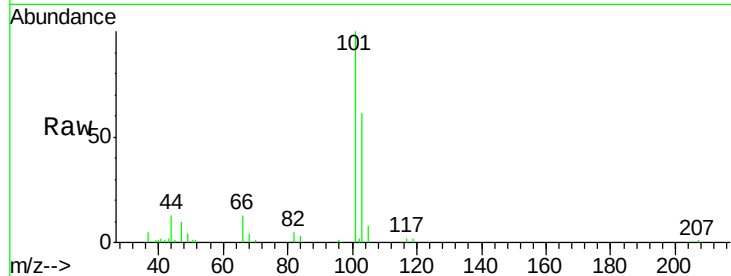
Trichlorofluoromethane
Concen: 6.678 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.9	51.8	77.6

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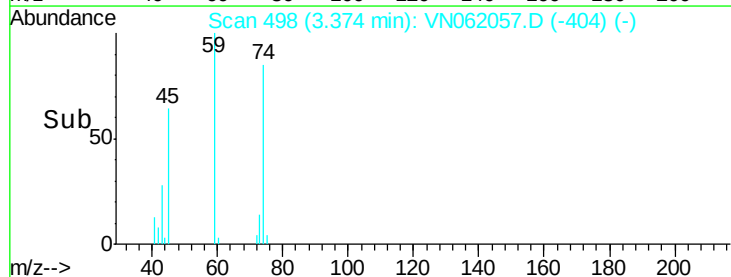
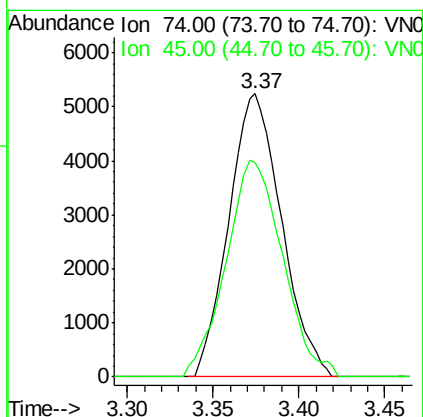
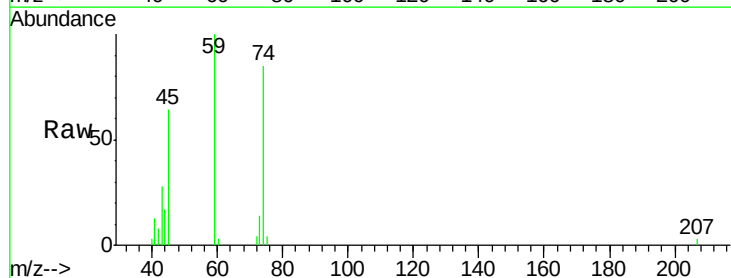
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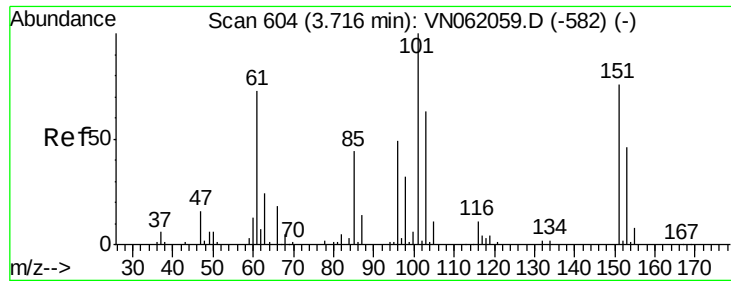


#8

Diethyl Ether
Concen: 6.839 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.1	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.981 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.01 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

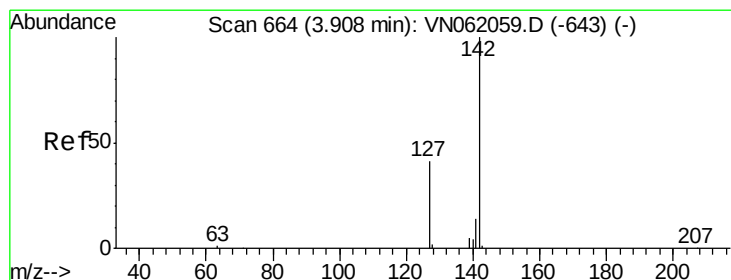
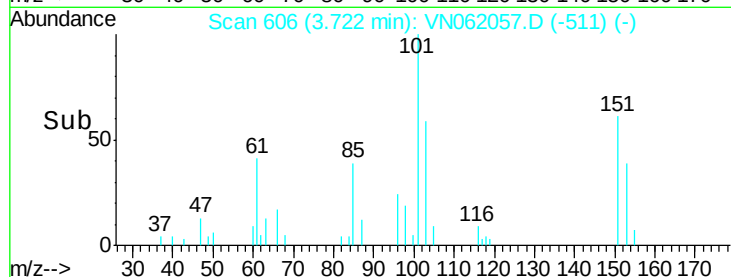
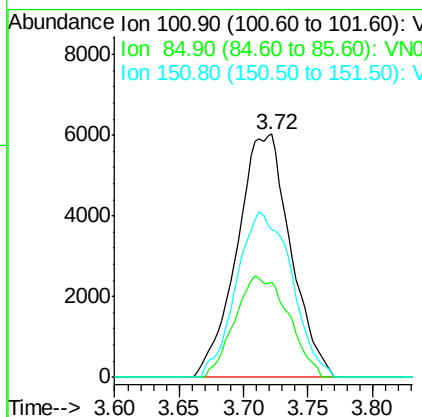
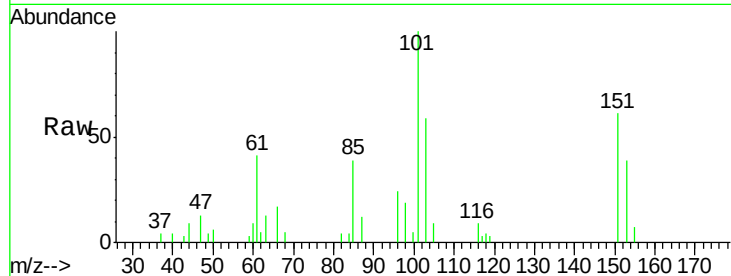
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	17439
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.5	51.7
151	70.1	57.8	86.8

Manual Integrations
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#10

Methyl Iodide

Concen: 5.802 ug/l

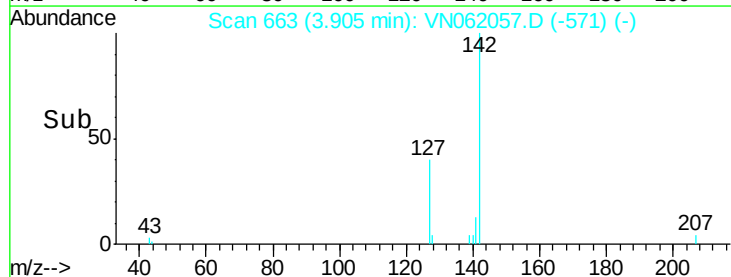
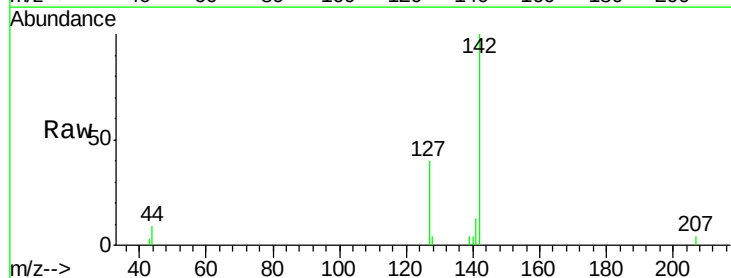
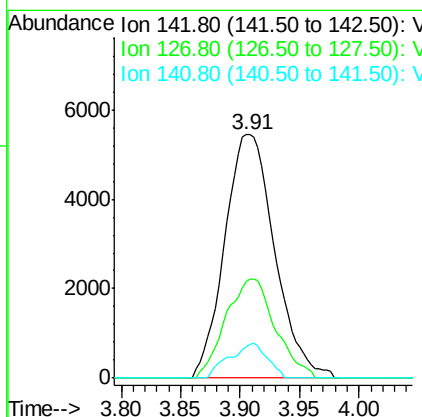
RT: 3.91 min Scan# 663

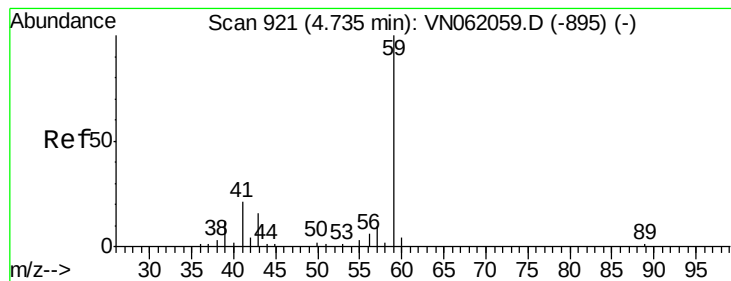
Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Tgt Ion:	142	Resp:	15816
Ion Ratio	Lower	Upper	
142	100		
127	40.3	33.6	50.4
141	10.9	11.3	16.9#





#11

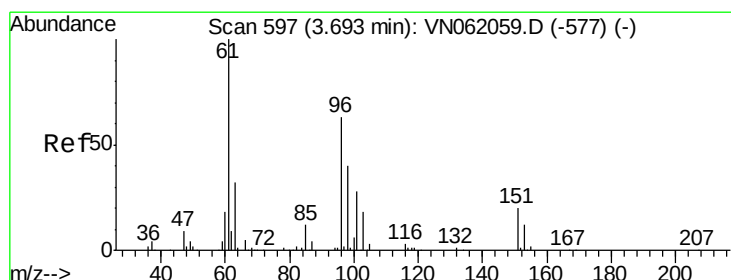
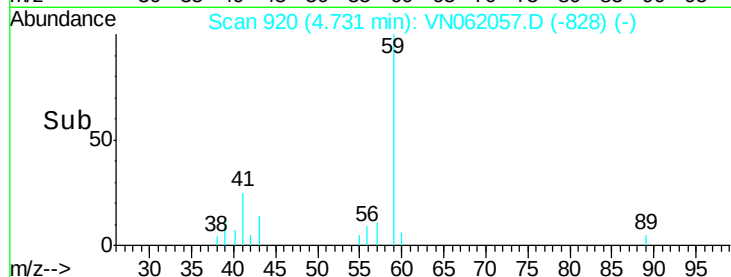
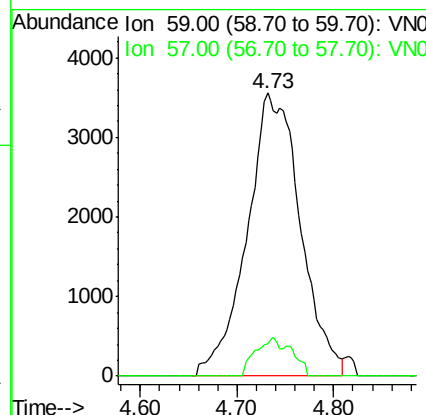
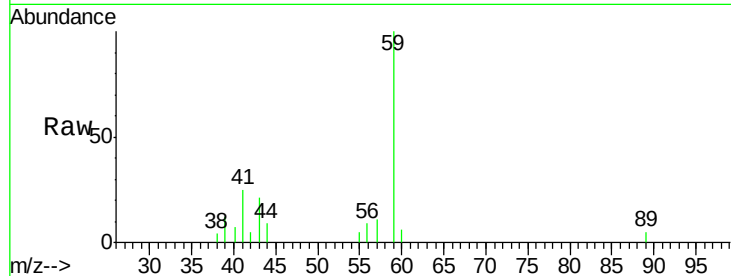
Tert butyl alcohol
 Concen: 29.625 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	59	57	Ratio	100	6.4	Resp	13629	Lower	8.3	Upper	12.5#
Ion	59	57	Ratio	100	6.4	Resp	13629	Lower	8.3	Upper	12.5#

Manual Integrations
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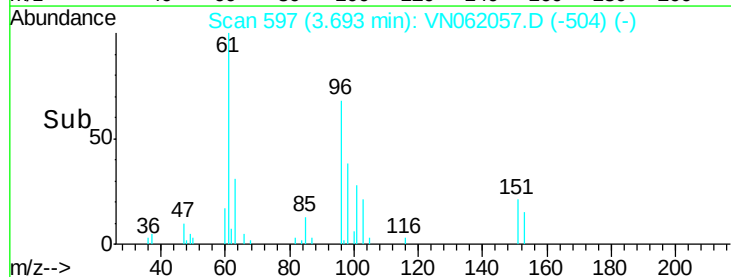
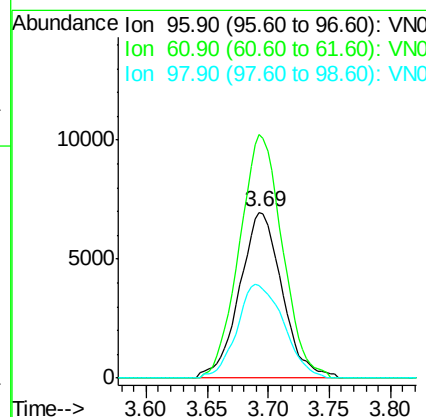
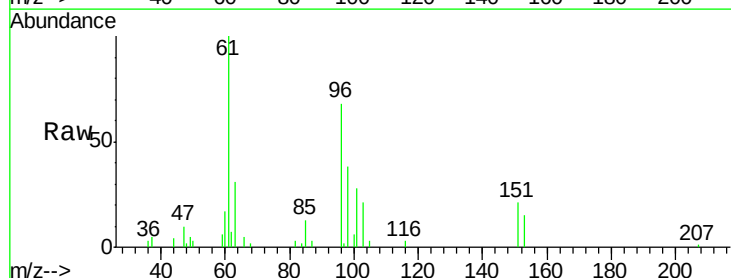
MMDadoda
 6/25/2020 6:10:03 PM

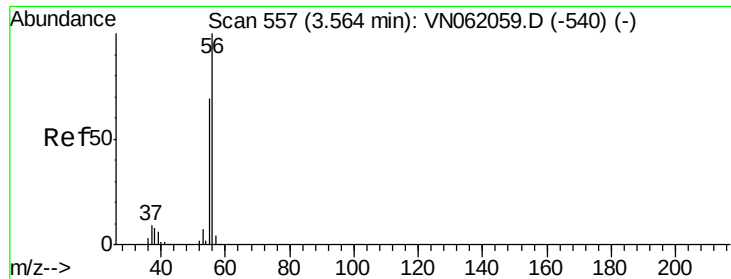


#12

1,1-Dichloroethene
 Concen: 6.714 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Tgt Ion	96	61	98	Ratio	100	146.7	56.1	Resp	16776	Lower	126.7	51.0	Upper	190.1	76.4
Ion	96	61	98	Ratio	100	146.7	56.1	Resp	16776	Lower	126.7	51.0	Upper	190.1	76.4





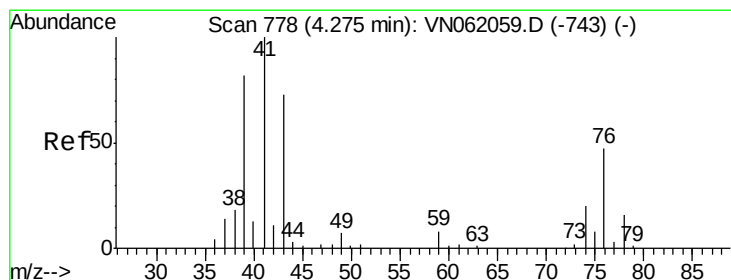
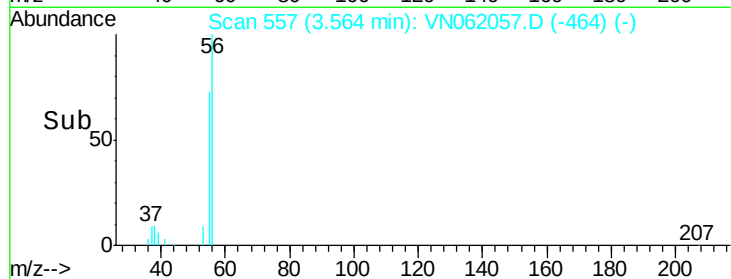
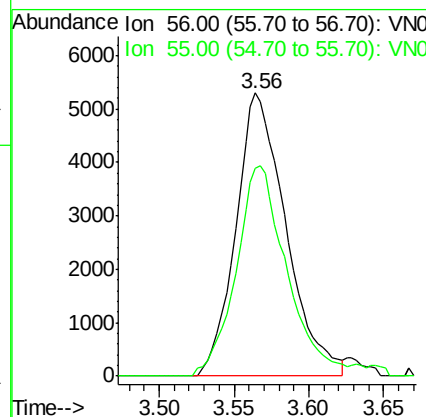
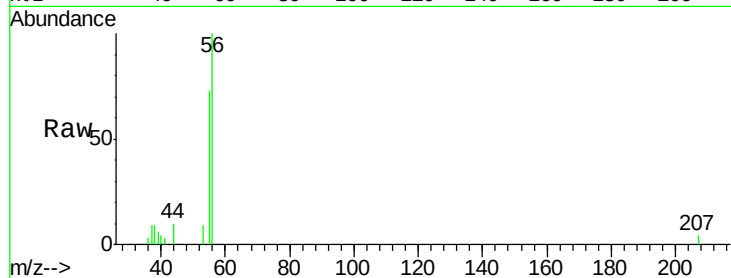
#13
Acrolein
Concen: 39.174 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	56	Resp	12334
Ion Ratio	100	Lower	Upper
56	100		
55	75.1	55.5	83.3

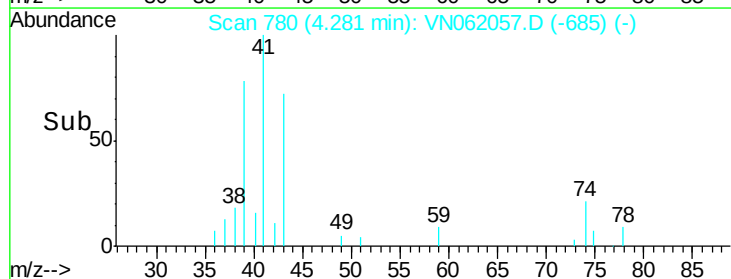
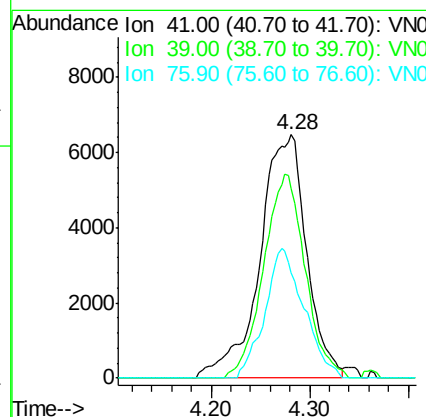
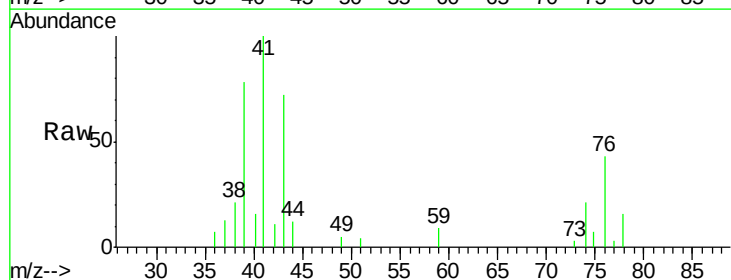
Manual Integrations
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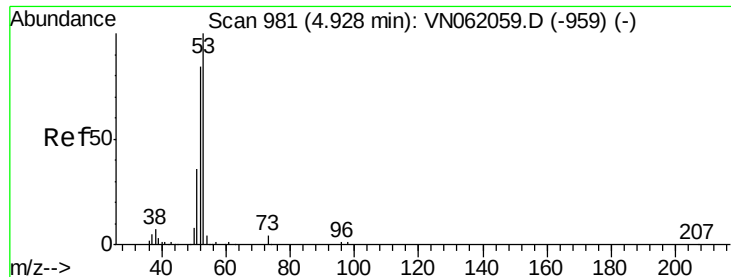
MMDadoda
6/25/2020 6:10:03 PM



#14
Allyl chloride
Concen: 6.326 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion	41	Resp	21229
Ion Ratio	100	Lower	Upper
41	100		
39	74.3	60.0	90.0
76	44.3	34.1	51.1





#15

Acrylonitrile

Concen: 31.570 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

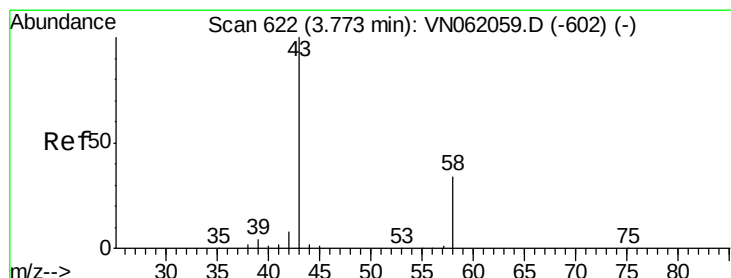
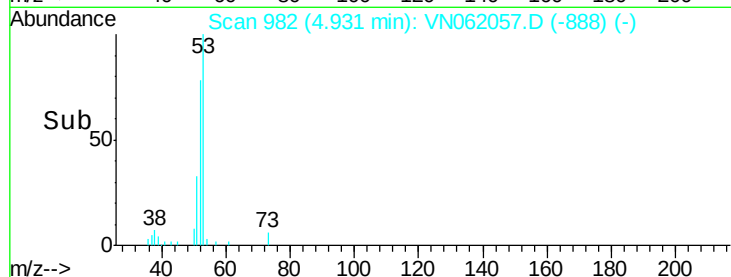
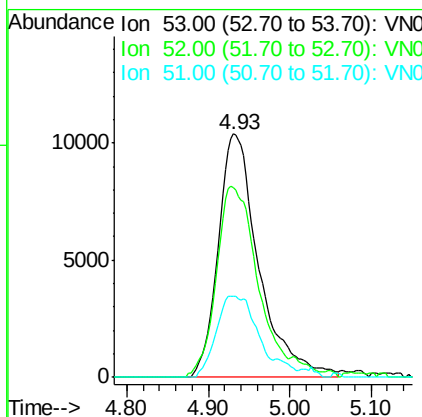
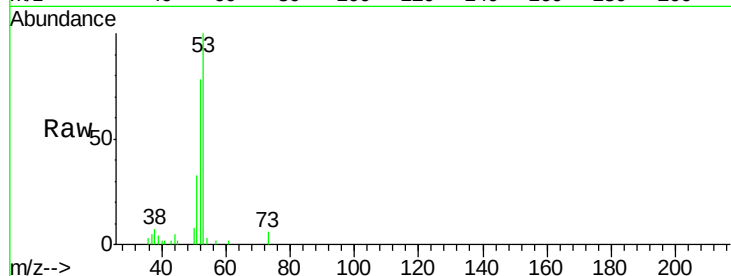
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	36265
Ion	Ratio	Lower	Upper
53	100		
52	78.4	66.2	99.4
51	32.6	28.9	43.3

Manual Integrations
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6/25/2020 6:10:03 PM



#16

Acetone

Concen: 34.958 ug/l

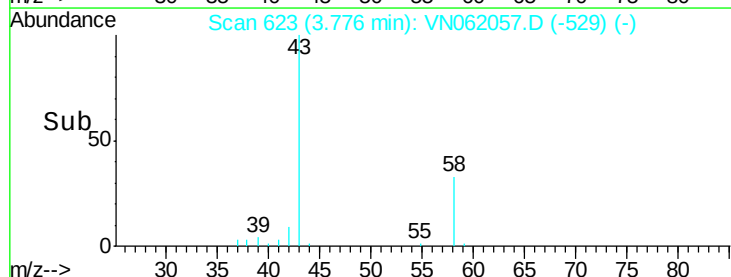
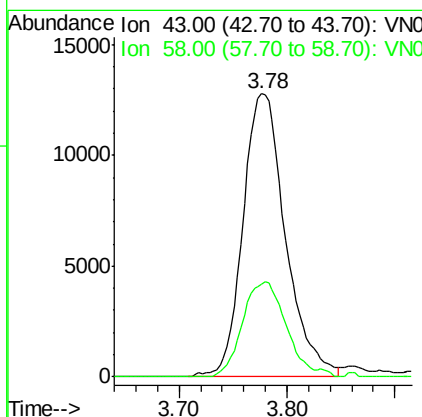
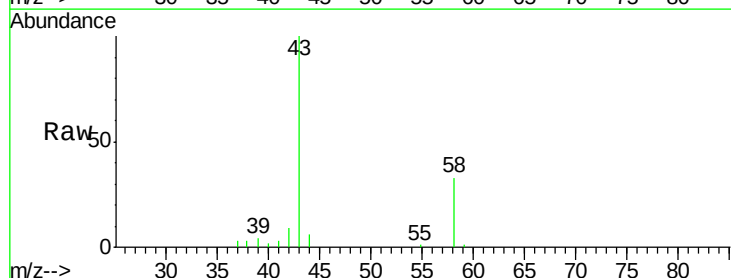
RT: 3.78 min Scan# 623

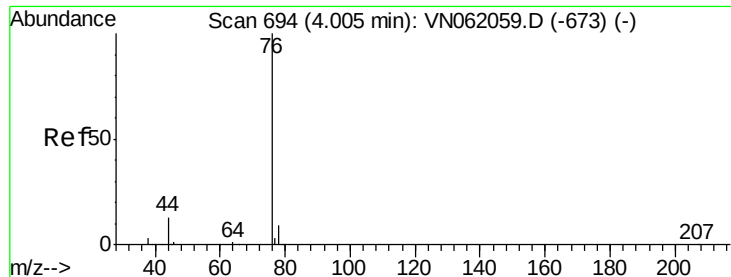
Delta R.T. 0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Tgt Ion:	43	Resp:	35078
Ion	Ratio	Lower	Upper
43	100		
58	32.6	27.5	41.3





#17

Carbon Disulfide

Concen: 6.644 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 48845

Ion Ratio Lower Upper

76 100

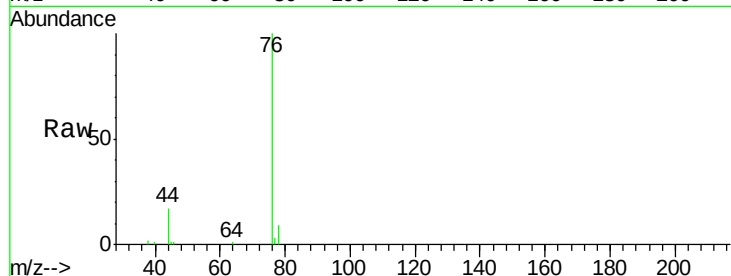
78 8.8 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN062057.D (-673) (-)

Ion 77.90 (77.60 to 78.60): VN062057.D (-673) (-)

20000

15000

10000

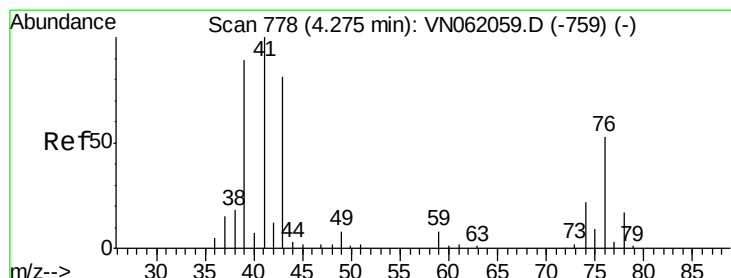
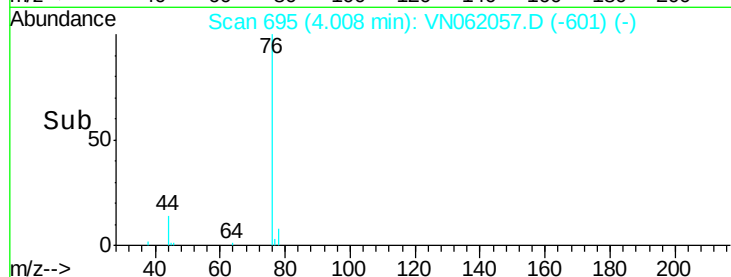
5000

0

Time-->

3.90 4.00 4.10

4.01



#18

Methyl Acetate

Concen: 5.558 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN062057.D

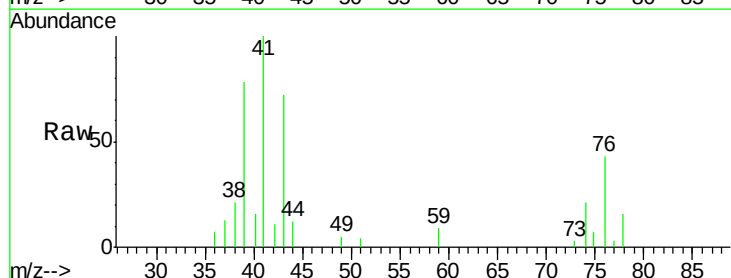
Acq: 24 Jun 2020 10:06

Tgt Ion: 43 Resp: 15239

Ion Ratio Lower Upper

43 100

74 11.6 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VN062057.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN062057.D (-685) (-)

5000

4000

3000

2000

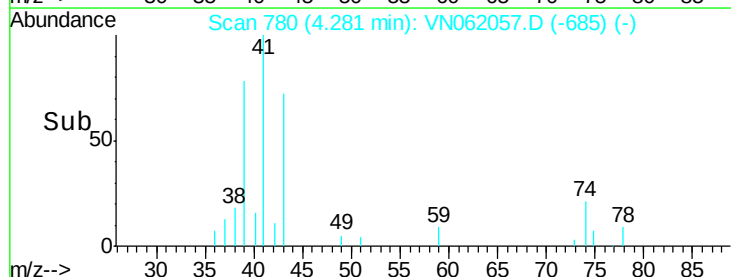
1000

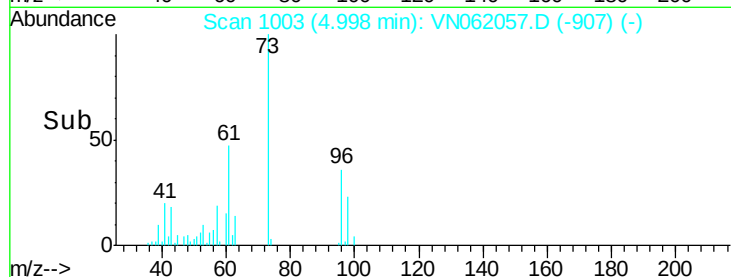
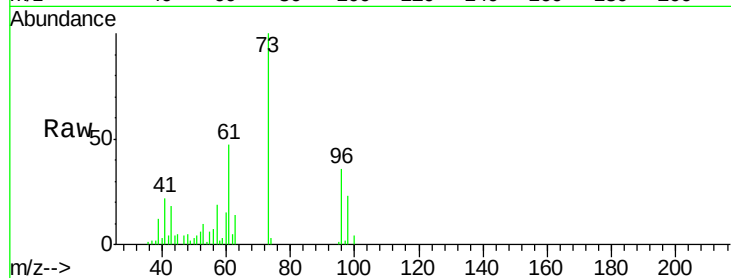
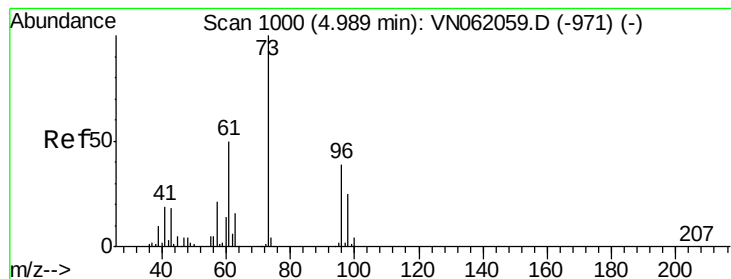
0

Time-->

4.20 4.30 4.40

4.28





#19

Methyl tert-butyl Ether

Concen: 5.873 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Tot Ion: 73 Resp: 48877

Ion Ratio Lower Upper

73 100

57 19.3 16.6 24.8

Instrument :

MSVOA_N

ClientSampleId :

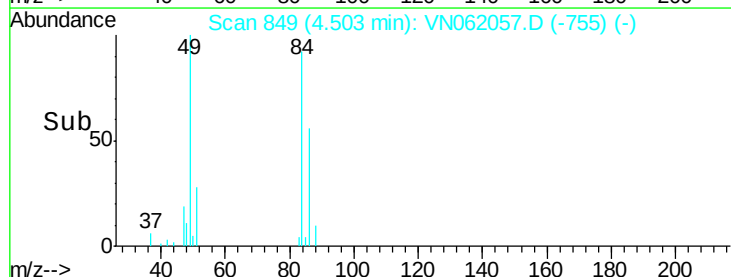
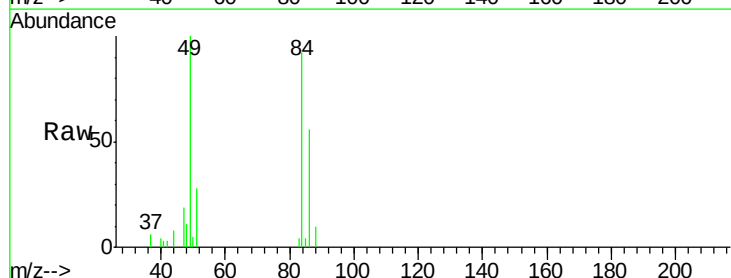
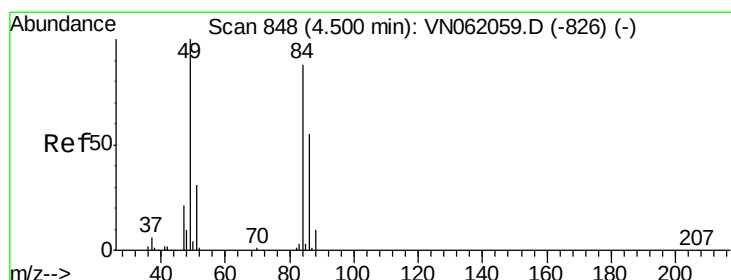
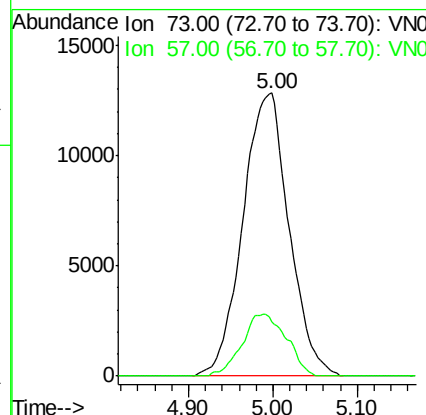
VSTDIC005

Manual Integrations

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#20

Methylene Chloride

Concen: 6.337 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Tgt Ion: 84 Resp: 20183

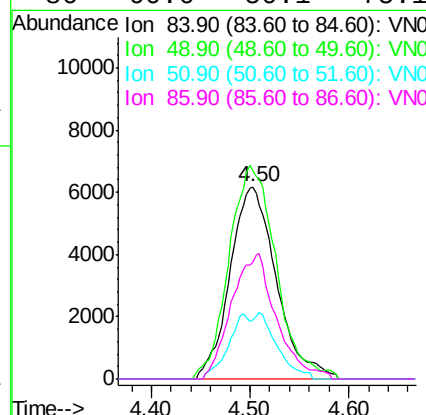
Ion Ratio Lower Upper

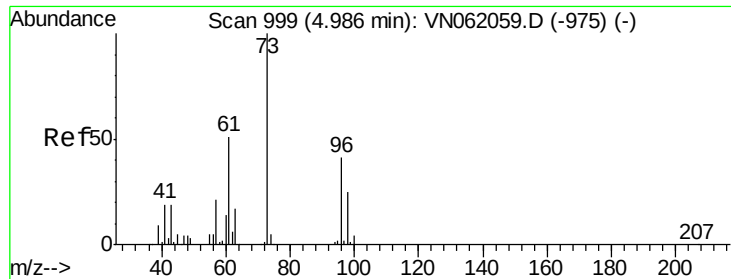
84 100

49 108.3 90.6 136.0

51 30.5 27.8 41.8

86 60.6 50.1 75.1





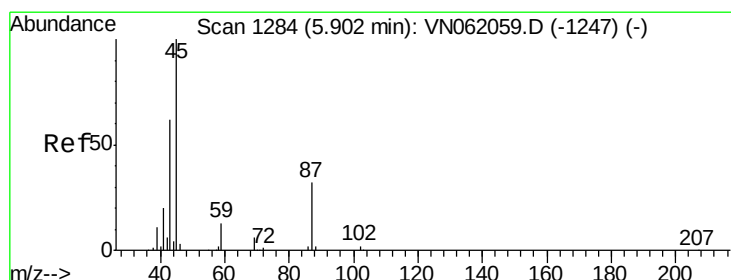
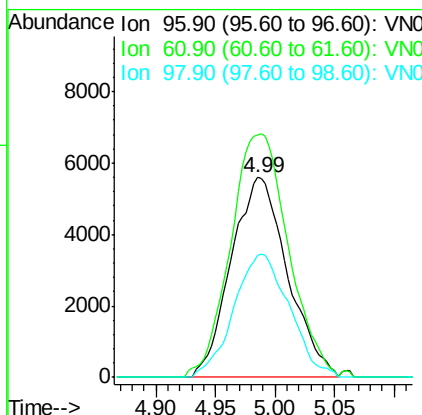
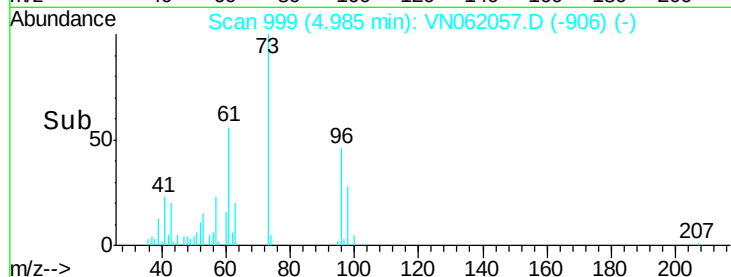
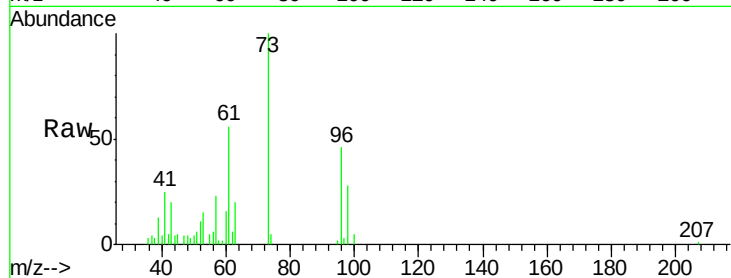
#21
trans-1,2-Dichloroethene
Concen: 6.406 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.7	101.4	152.2
98	60.9	49.3	73.9

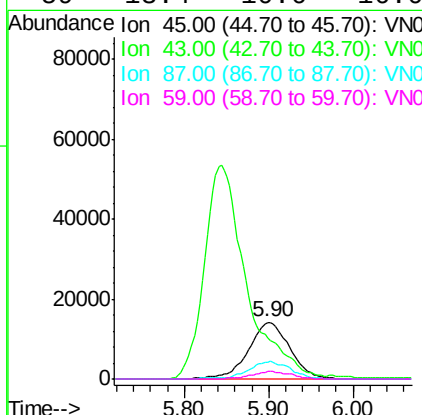
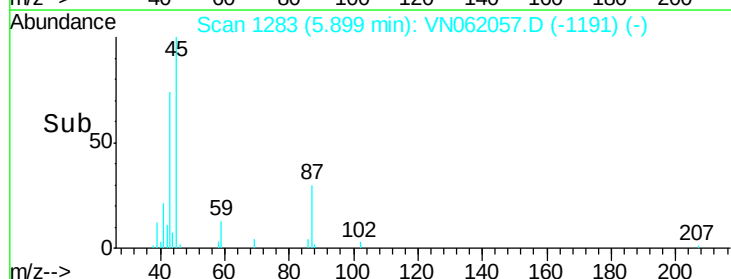
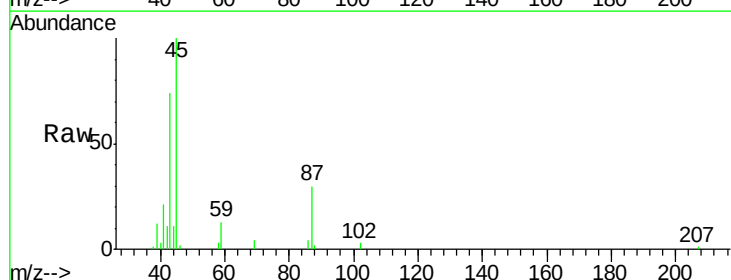
Manual Integrations
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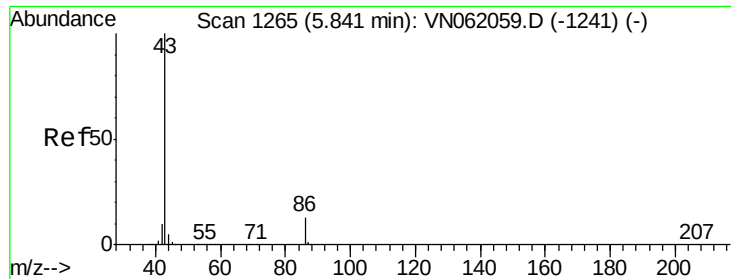
MMDadoda
6/25/2020 6:10:03 PM



#22
Diisopropyl ether
Concen: 6.247 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.3	49.7	74.5
87	30.2	25.9	38.9
59	13.4	10.6	16.0





#23

Vinyl Acetate

Concen: 30.491 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 185882

Ion Ratio Lower Upper

43 100

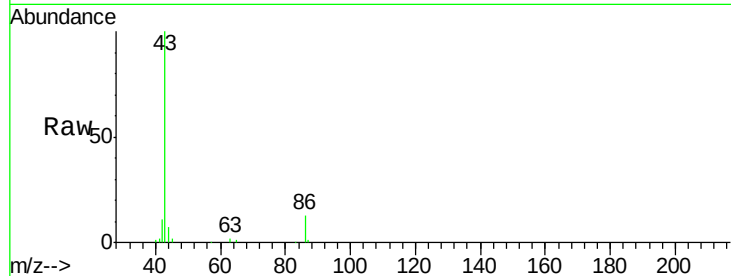
86 12.8 10.1 15.1

Manual Integrations

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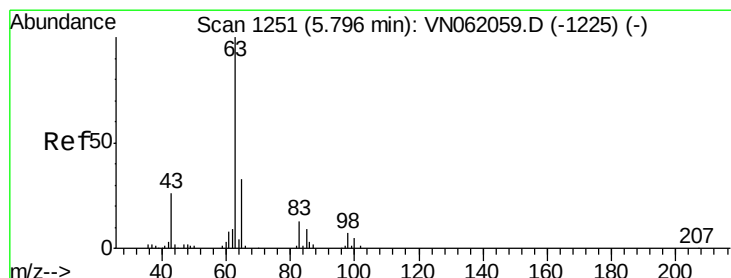
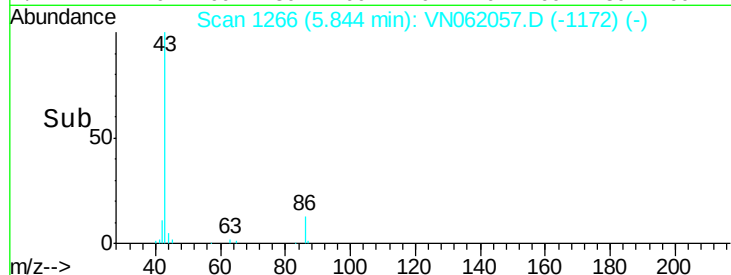
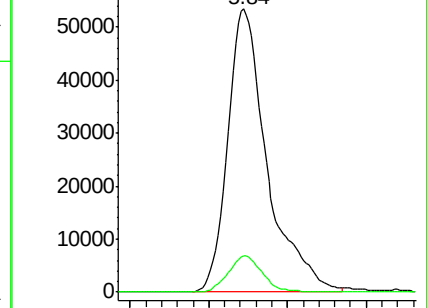
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN062057.D (-1172) (-)

Ion 86.00 (85.70 to 86.70): VN062057.D (-1172) (-)



#24

1,1-Dichloroethane

Concen: 6.458 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

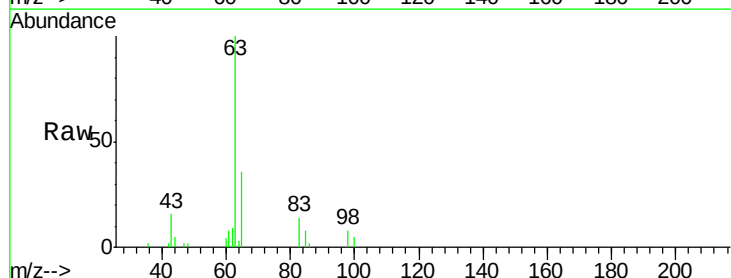
Tgt Ion: 63 Resp: 32243

Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

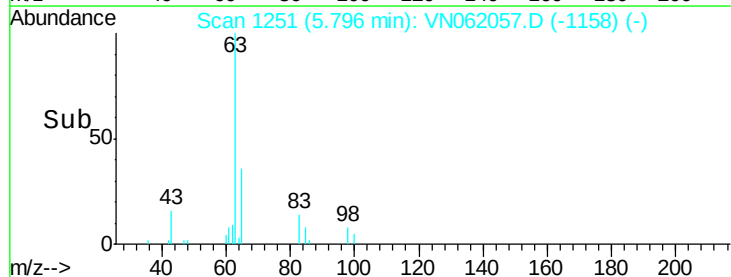
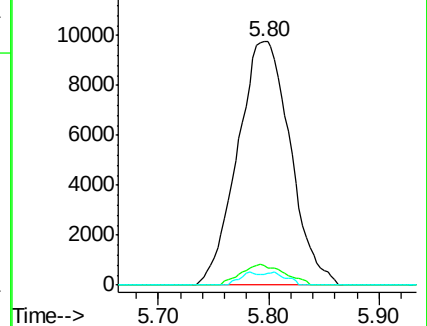
100 4.6 2.4 7.1

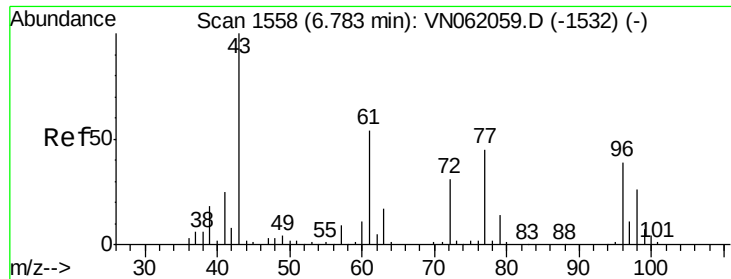


Abundance Ion 62.90 (62.60 to 63.60): VN062057.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN062057.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN062057.D (-1158) (-)





#25

2-Butanone

Concen: 31.126 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 45097

Ion Ratio Lower Upper

43 100

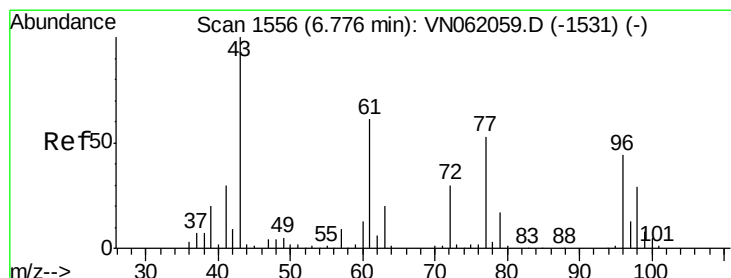
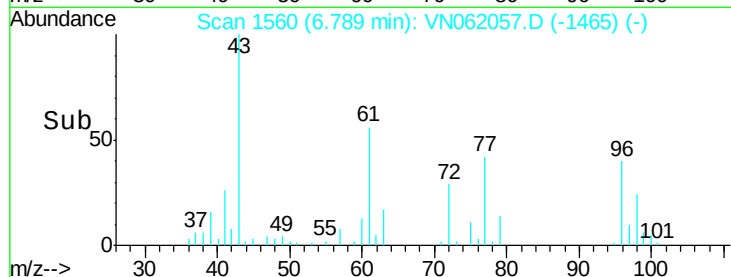
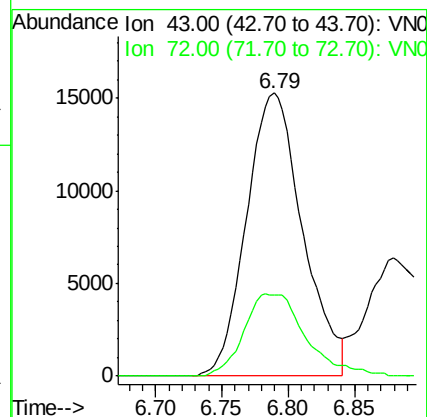
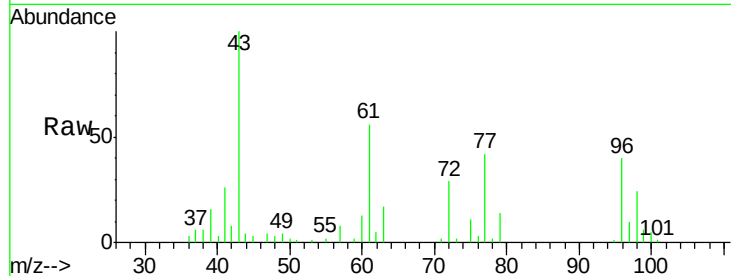
72 28.6 24.8 37.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 6.481 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062057.D

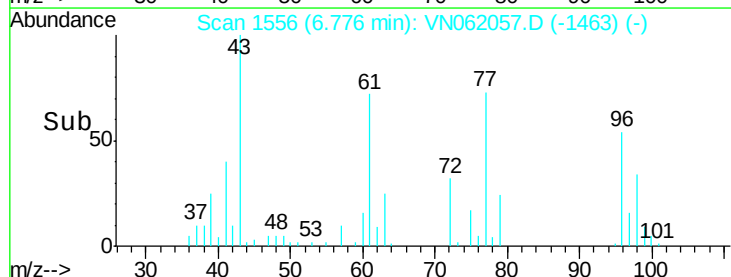
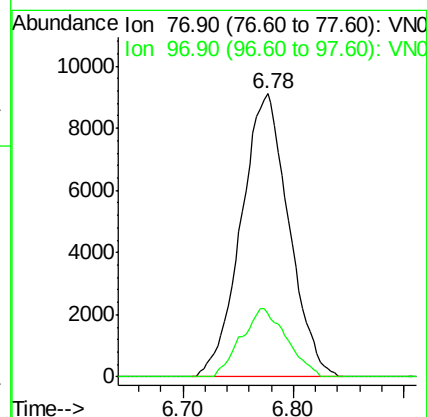
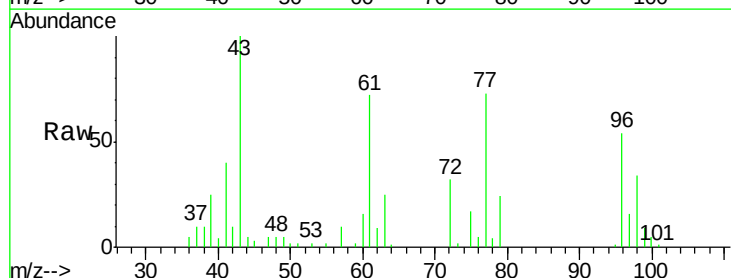
Acq: 24 Jun 2020 10:06

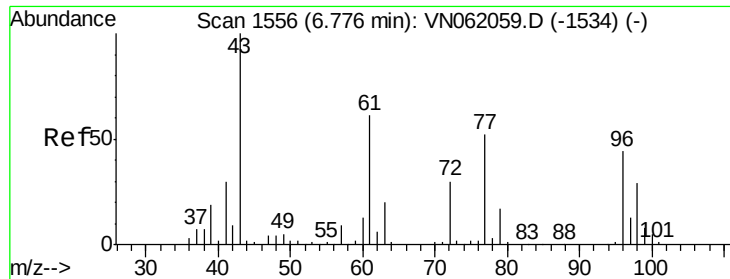
Tgt Ion: 77 Resp: 27366

Ion Ratio Lower Upper

77 100

97 22.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 6.181 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.01 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

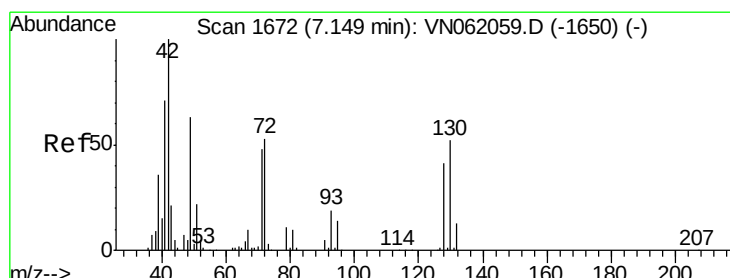
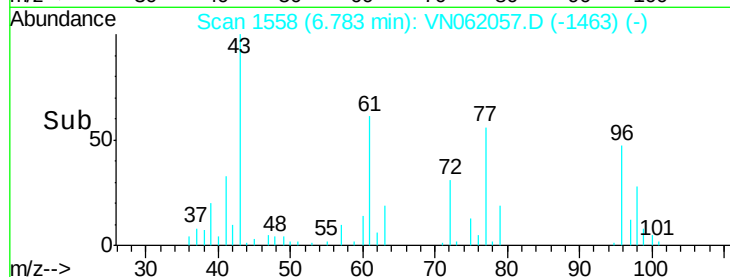
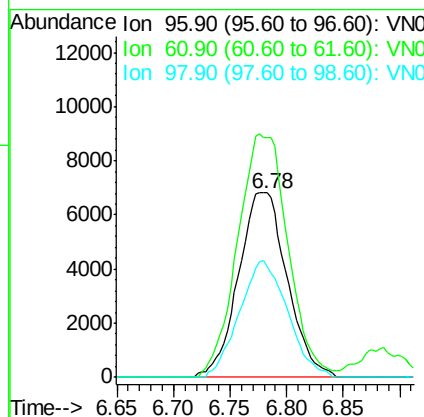
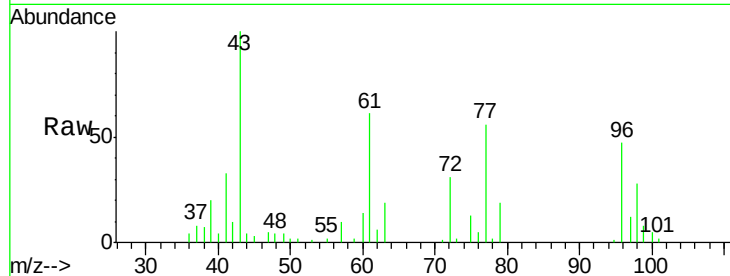
ClientSampled :

VSTDIC005

Tot Ion:	96	Resp:	20421
Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	280.4
98	62.3	0.0	129.4

Manual Integrations
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6/25/2020 6:10:03 PM



#28

Bromochloromethane

Concen: 6.042 ug/l

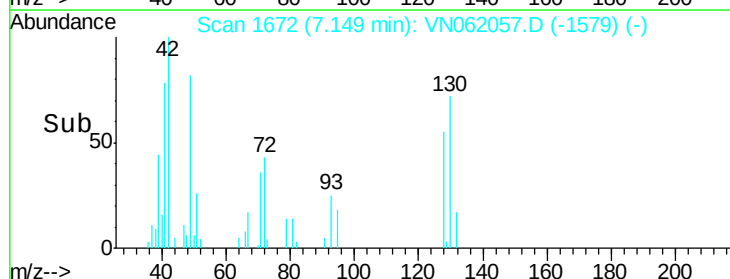
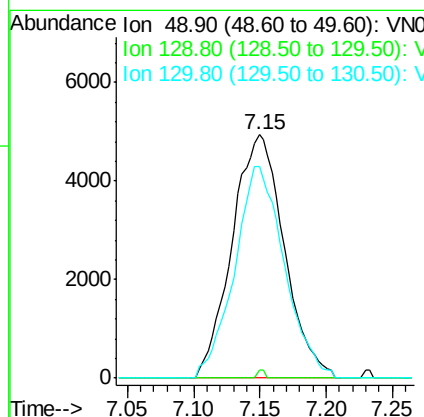
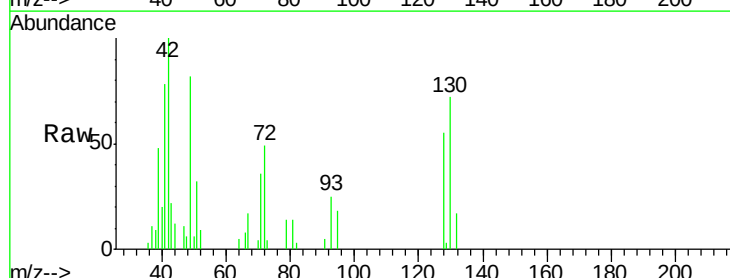
RT: 7.15 min Scan# 1672

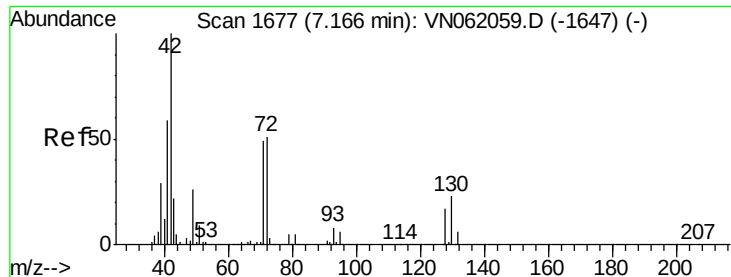
Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Tgt Ion:	49	Resp:	13480
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.4
130	83.0	65.5	98.3





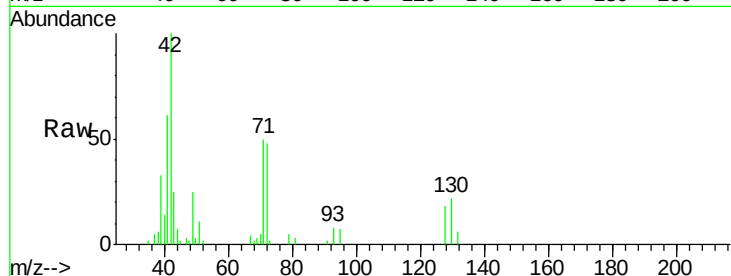
#29
Tetrahydrofuran
Concen: 31.022 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.5	41.1	61.7
71	45.9	38.2	57.4

Manual Integrations
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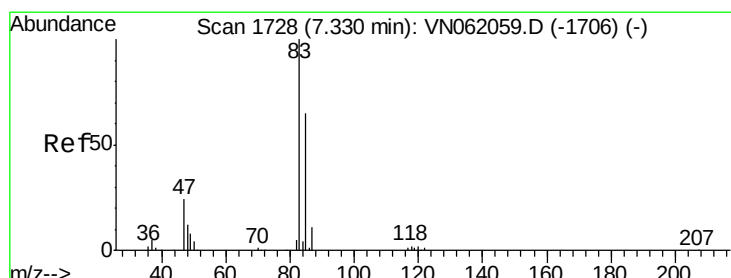
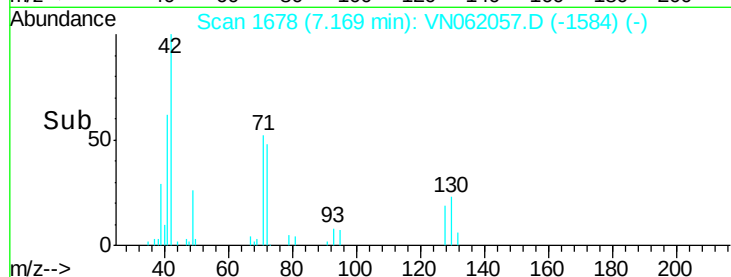
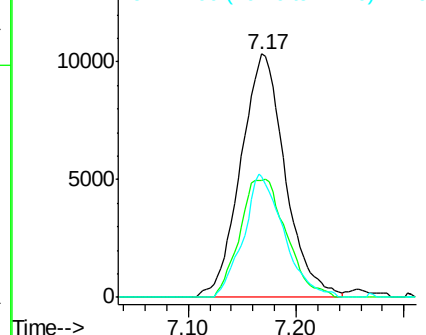
MMDadoda
6/25/2020 6:10:03 PM



Abundance Ion 42.00 (41.70 to 42.70): VN062057.D (-1647) (-)

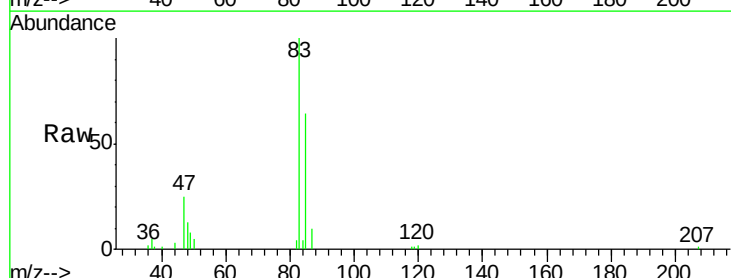
Ion 72.00 (71.70 to 72.70): VN062057.D (-1647) (-)

Ion 71.00 (70.70 to 71.70): VN062057.D (-1647) (-)



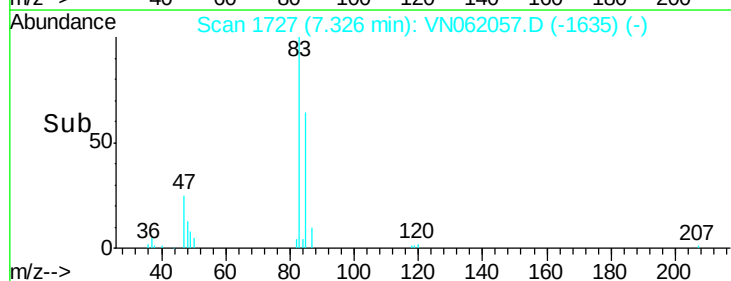
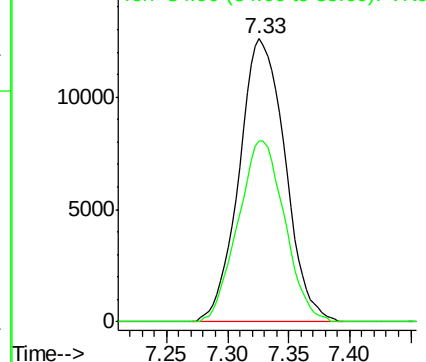
#30
Chloroform
Concen: 6.203 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

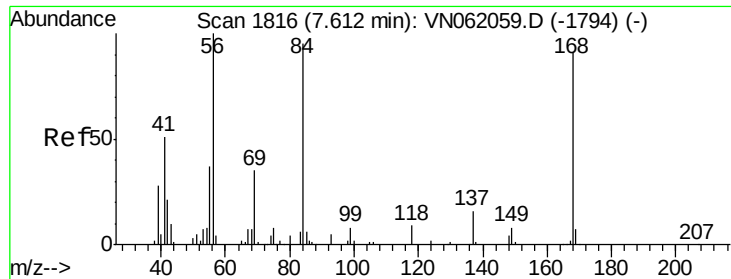
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.3	78.5



Abundance Ion 82.90 (82.60 to 83.60): VN062057.D (-1635) (-)

Ion 84.90 (84.60 to 85.60): VN062057.D (-1635) (-)





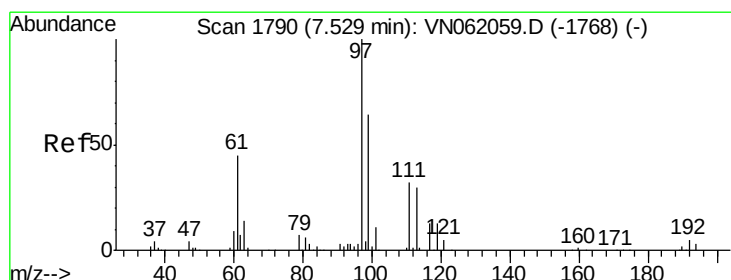
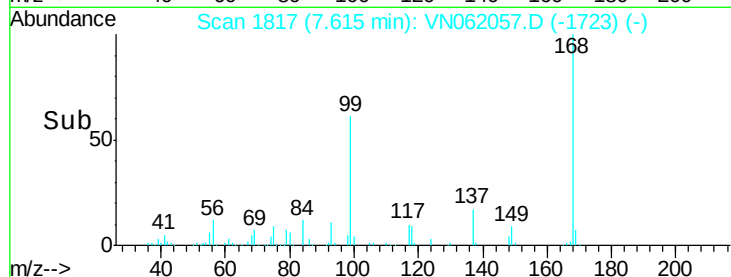
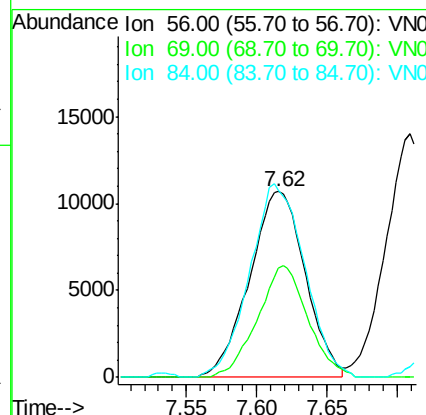
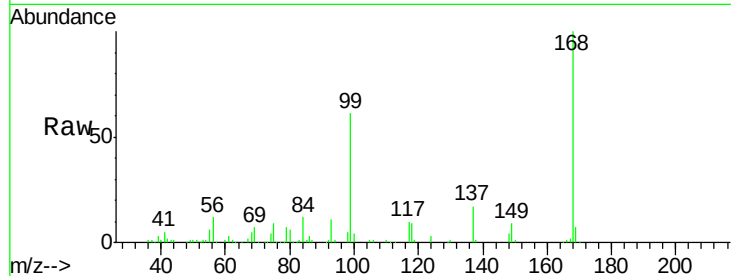
#31
Cyclohexane
Concen: 6.733 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	58.8	28.0	42.0#
84	100.5	76.1	114.1

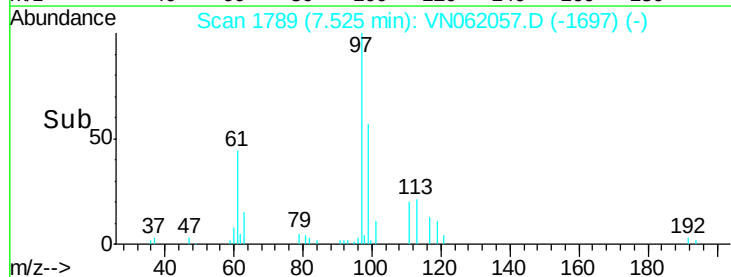
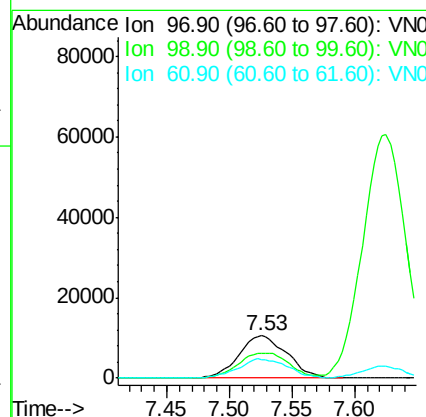
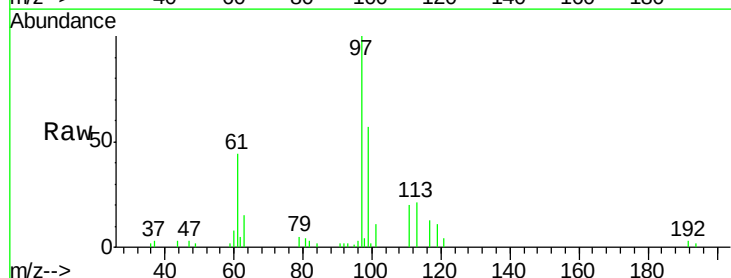
Manual Integrations
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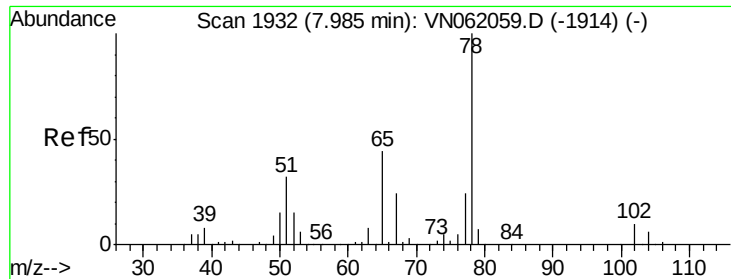
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 6.222 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.0	76.4
61	46.2	36.2	54.2





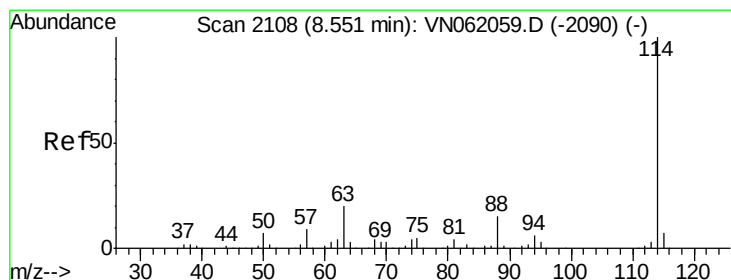
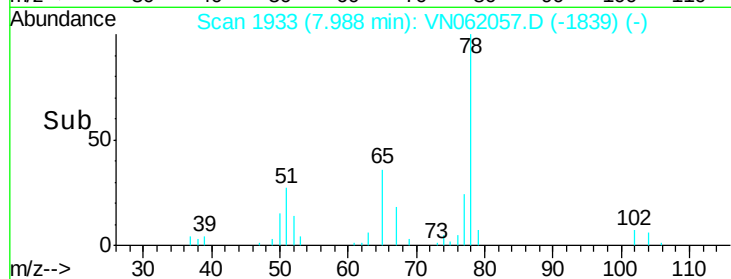
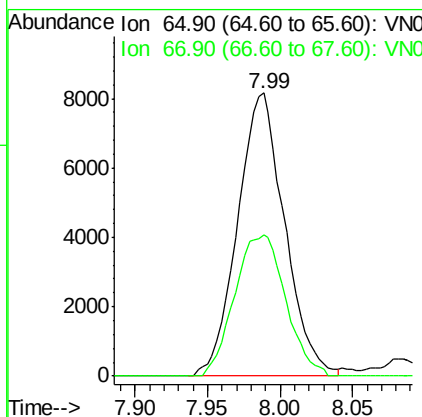
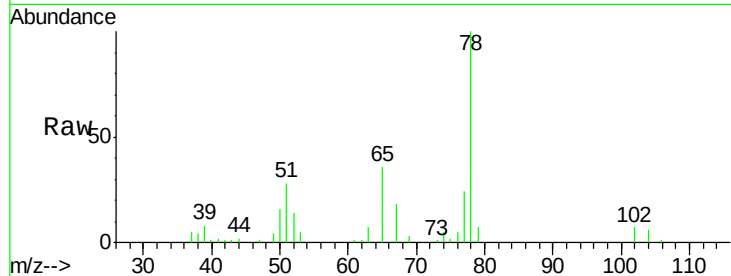
#33
 1,2-Dichloroethane-d4
 Concen: 5.621 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	65	Resp	18441
Ion Ratio	100	Lower	Upper
67	53.7	0.0	106.2

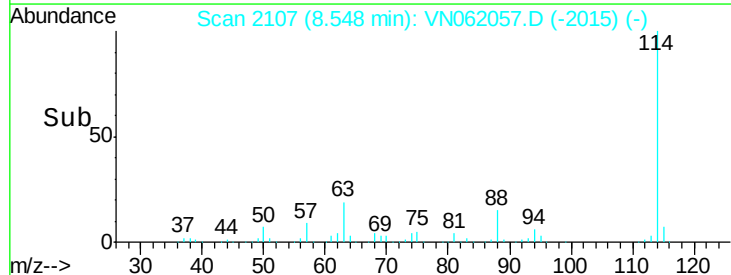
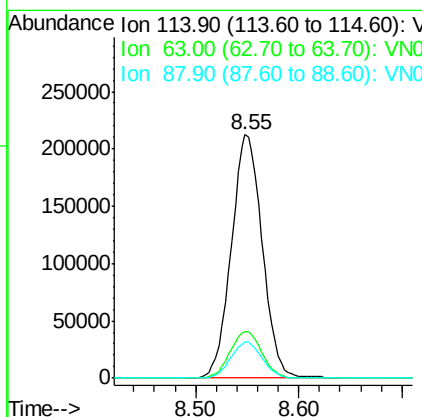
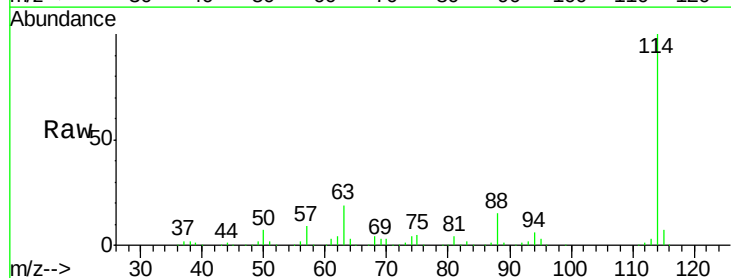
Manual Integrations
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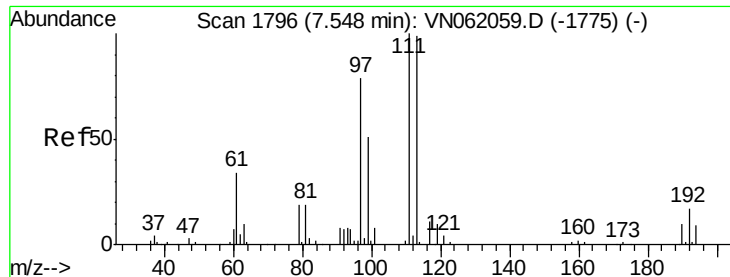
MMDadoda
 6/25/2020 6:10:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Tgt Ion	114	Resp	443150
Ion Ratio	100	Lower	Upper
63	19.3	0.0	39.2
88	14.7	0.0	30.8





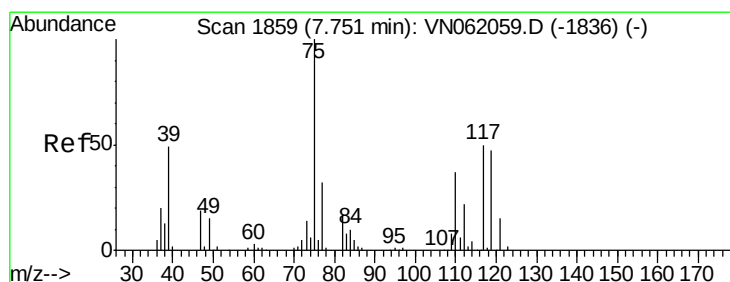
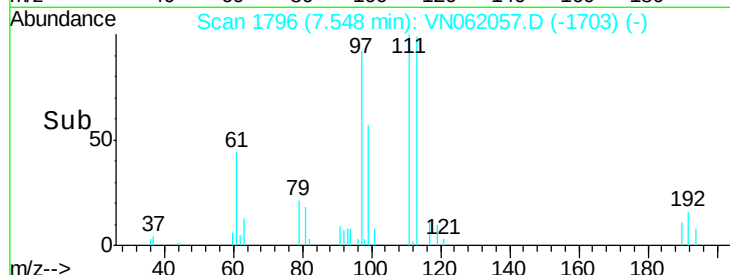
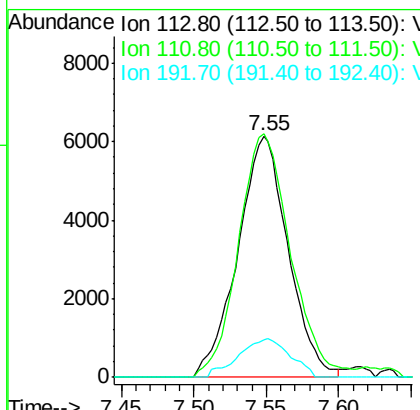
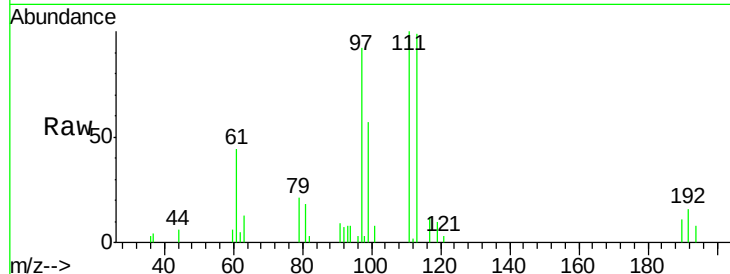
#35
 Dibromofluoromethane
 Concen: 5.264 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.2	123.4
192	16.4	14.0	21.0

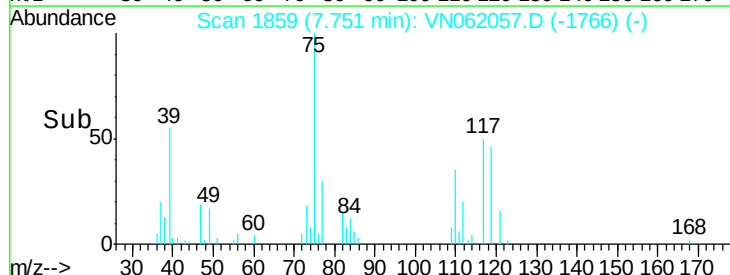
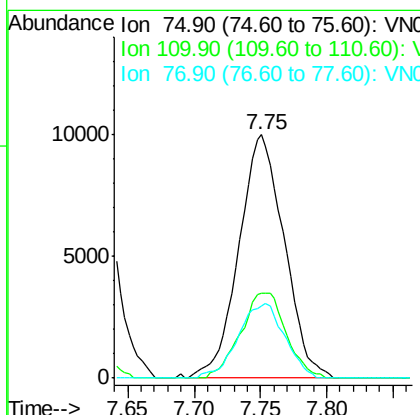
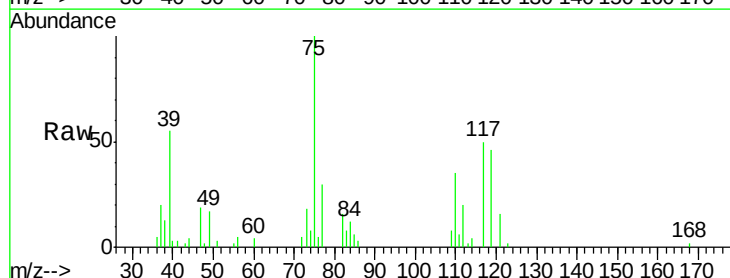
Manual Integrations
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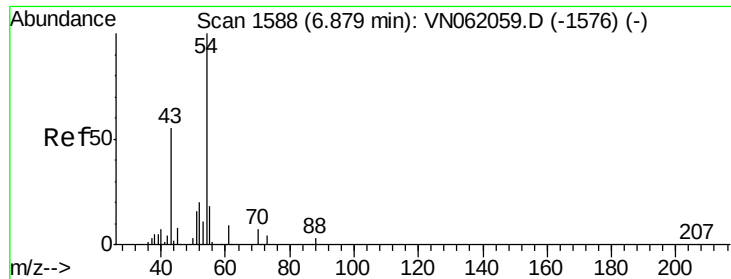
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 5.881 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.9	53.8
77	31.3	24.9	37.3





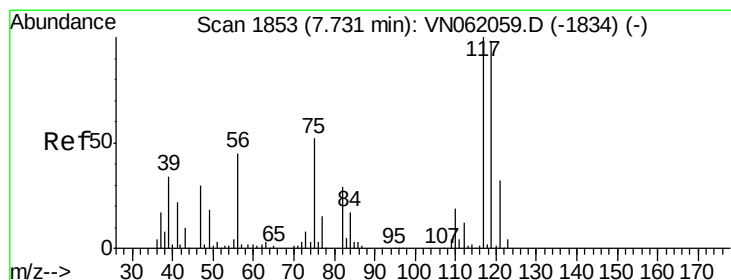
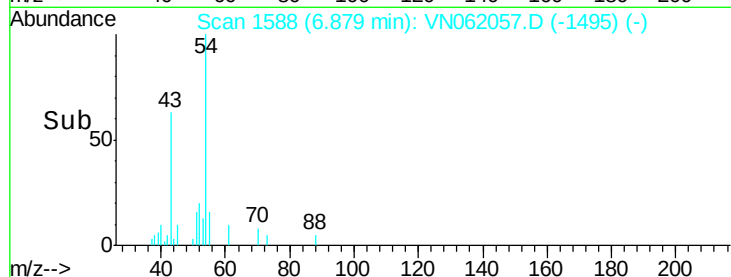
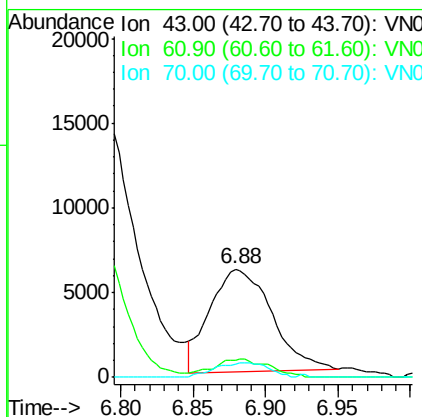
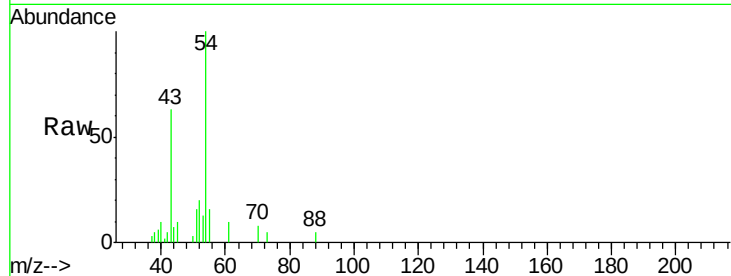
#37
Ethyl Acetate
Concen: 5.586 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	43	Resp	17927
Ion Ratio	100	Lower	Upper
43	100		
61	16.7	12.0	18.0
70	12.5	9.6	14.4

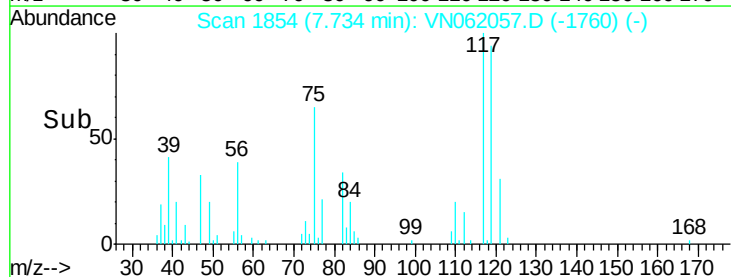
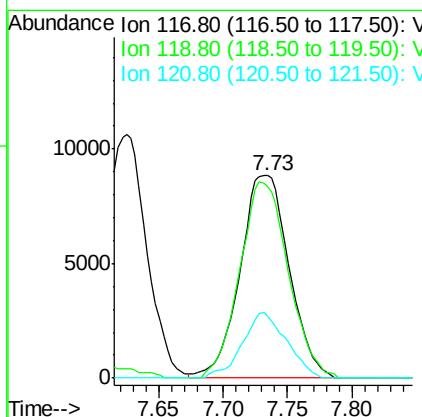
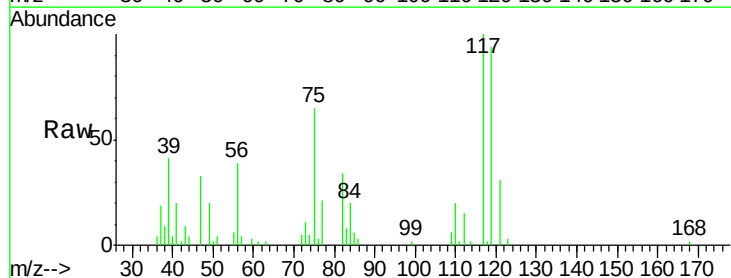
Manual Integrations
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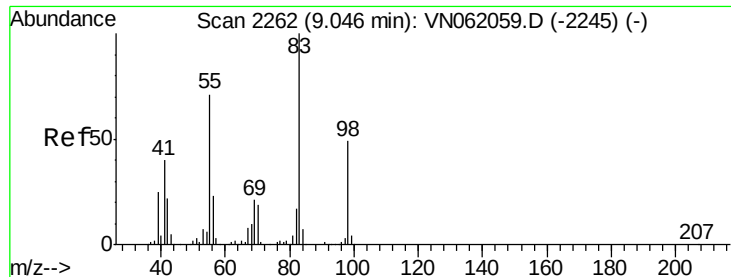
MMDadoda
6/25/2020 6:10:03 PM



#38
Carbon Tetrachloride
Concen: 5.892 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion	117	Resp	23508
Ion Ratio	100	Lower	Upper
117	100		
119	94.3	78.2	117.2
121	30.8	25.8	38.6





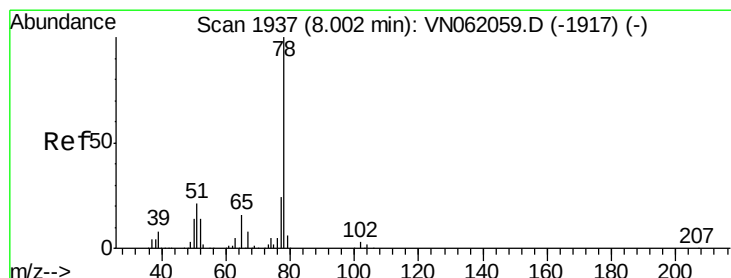
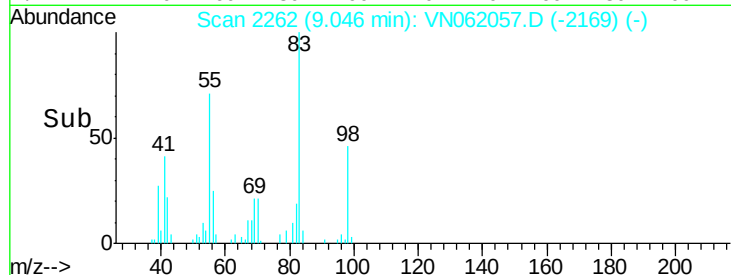
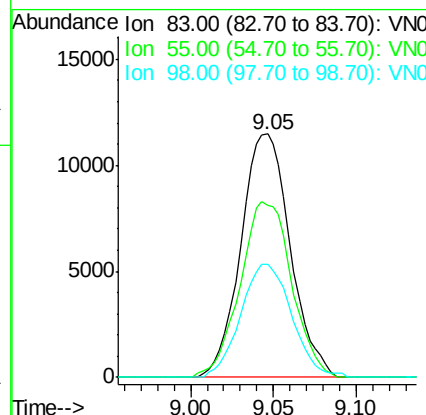
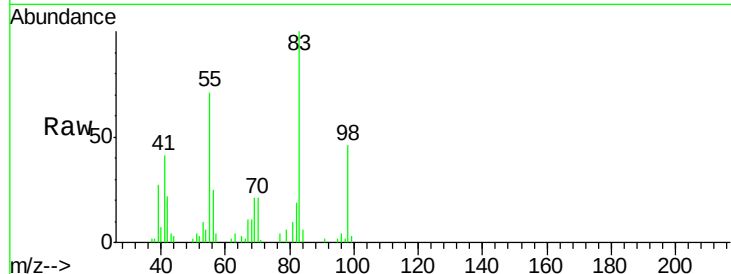
#39
Methylvlcyclohexane
Concen: 5.440 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	23742
Ion Ratio	Lower	Upper	
83	100		
55	70.7	57.0	85.6
98	46.2	39.0	58.6

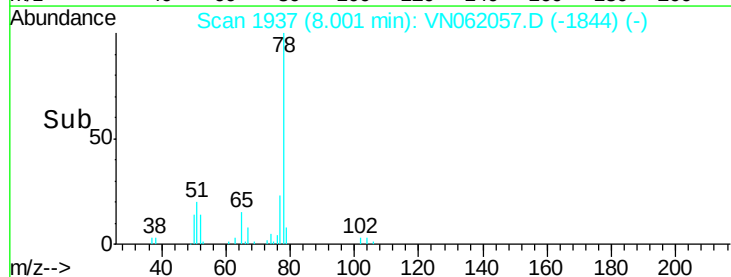
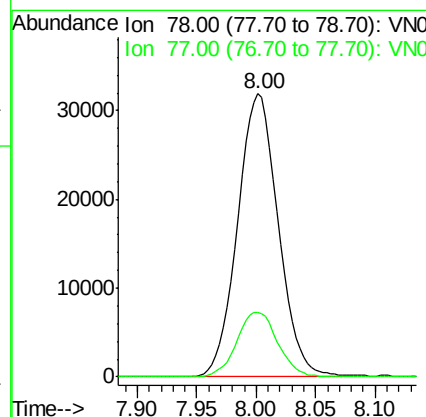
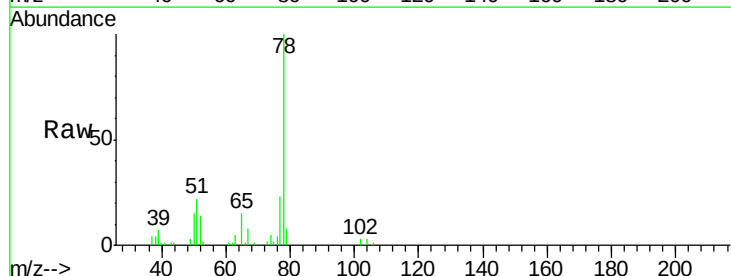
Manual Integrations
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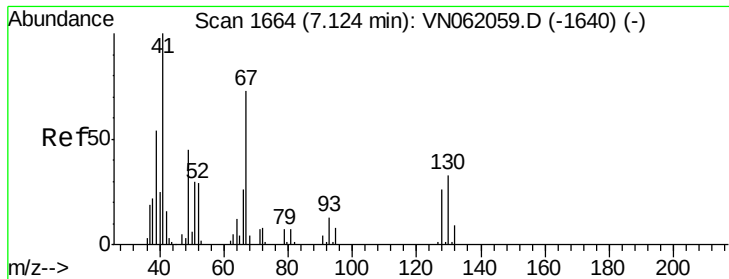
MMDadoda
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#40
Benzene
Concen: 6.130 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion	78	Resp	75594
Ion Ratio	Lower	Upper	
78	100		
77	22.8	19.5	29.3





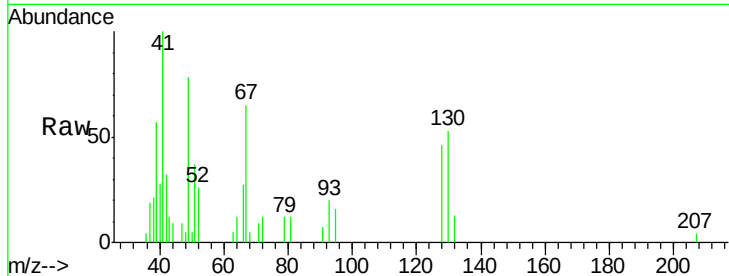
#41
Methacrylonitrile
Concen: 6.083 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

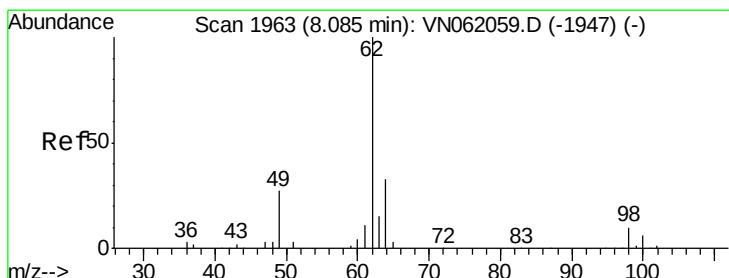
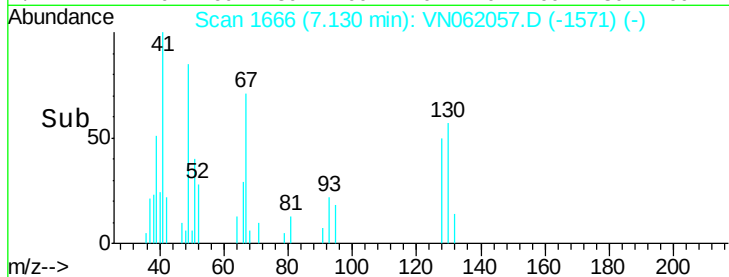
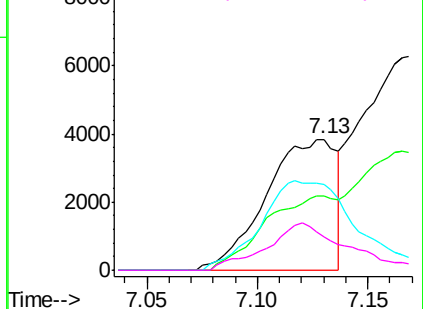
Tot Ion:	41	Resp:	8506
Ion	Ratio	Lower	Upper
41	100		
39	58.3	44.2	66.2
67	91.7	79.5	119.3
52	40.9	32.3	48.5

Manual Integrations
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6/25/2020 6:10:03 PM

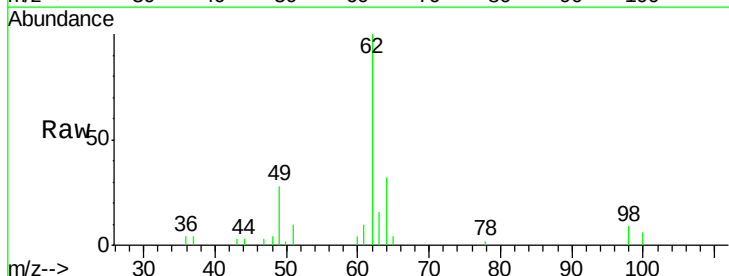


Abundance Ion 41.00 (40.70 to 41.70): VN062059.D (-1640) (-)
Ion 39.00 (38.70 to 39.70): VN062059.D (-1640) (-)
Ion 67.00 (66.70 to 67.70): VN062059.D (-1640) (-)
Ion 52.00 (51.70 to 52.70): VN062059.D (-1640) (-)

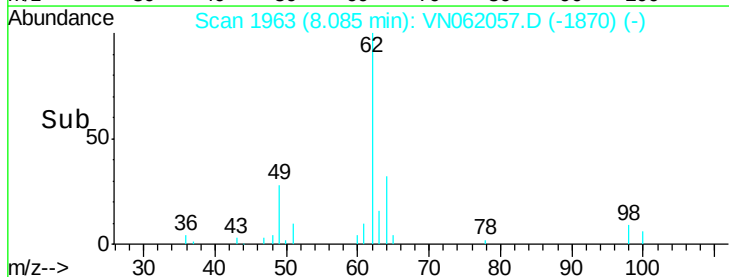
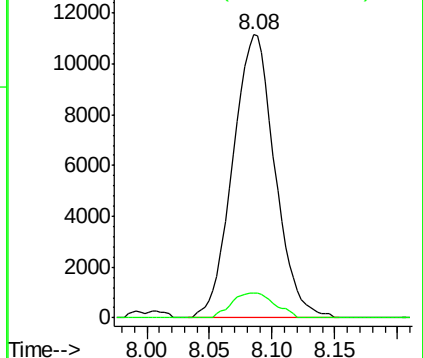


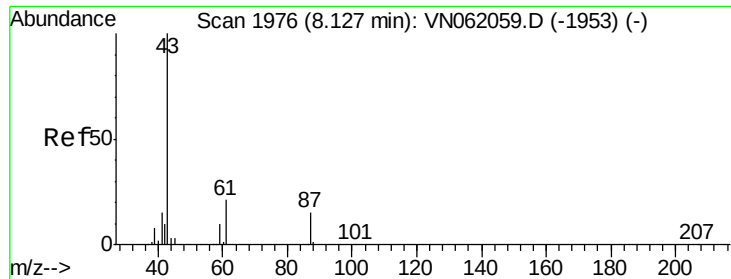
#42
1,2-Dichloroethane
Concen: 6.188 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion:	62	Resp:	25991
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.8



Abundance Ion 61.90 (61.60 to 62.60): VN062059.D (-1947) (-)
Ion 97.90 (97.60 to 98.60): VN062059.D (-1947) (-)





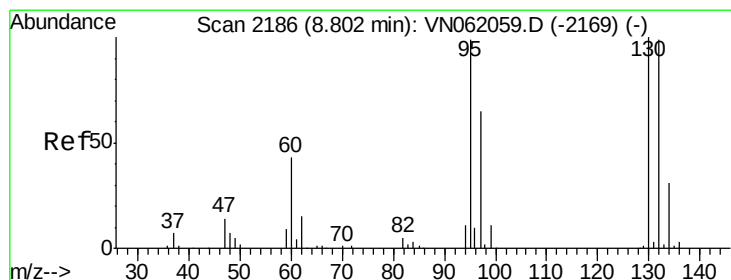
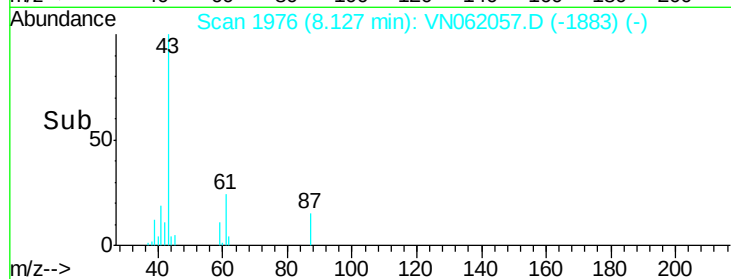
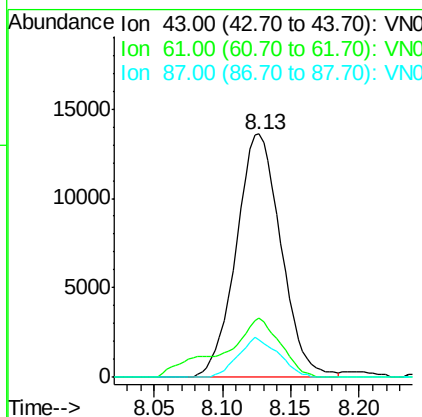
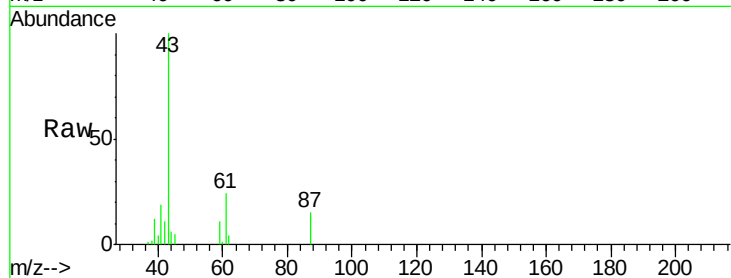
#43
Isopropyl Acetate
Concen: 5.776 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.1	17.2	25.8
87	14.6	12.1	18.1

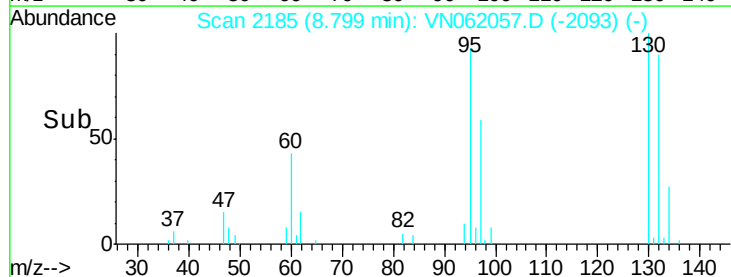
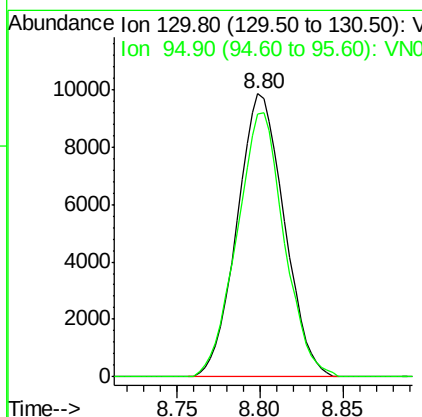
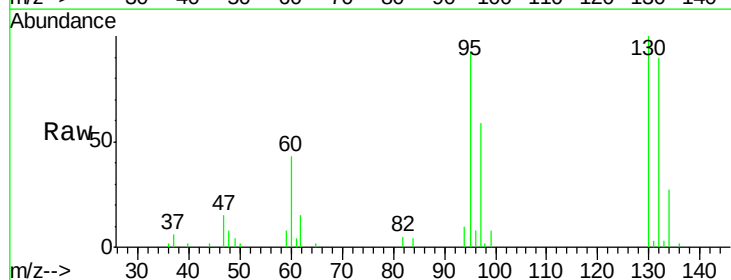
Manual Integrations
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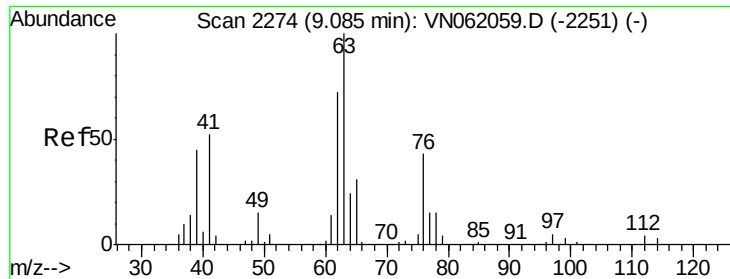
MMDadoda
6/25/2020 6:10:03 PM



#44
Trichloroethene
Concen: 6.056 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	197.8





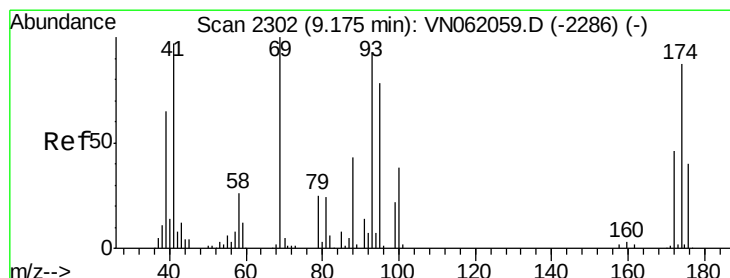
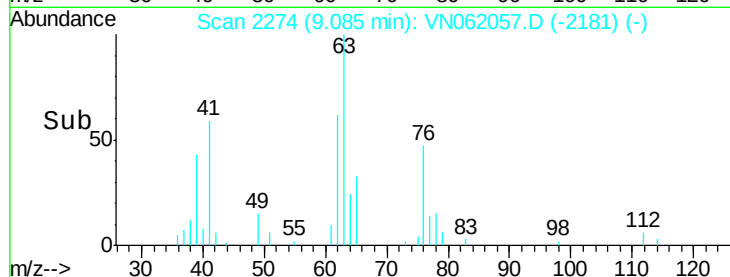
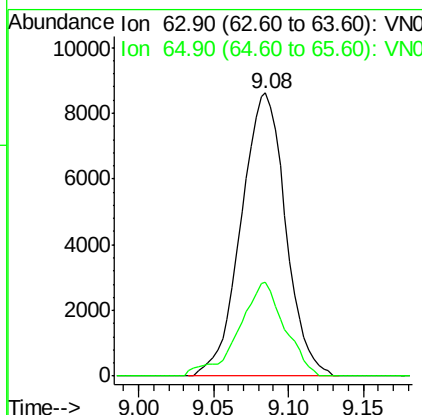
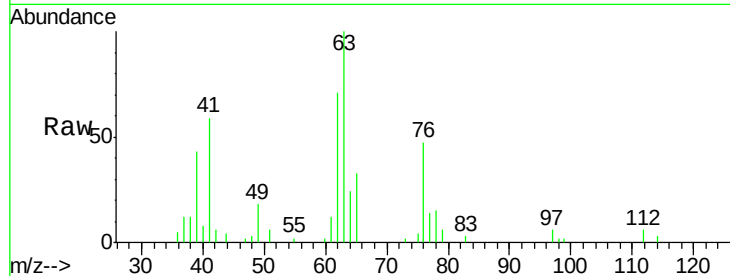
#45
 1,2-Dichloropropane
 Concen: 5.895 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 17843
 Ion Ratio Lower Upper
 63 100
 65 33.4 25.0 37.4

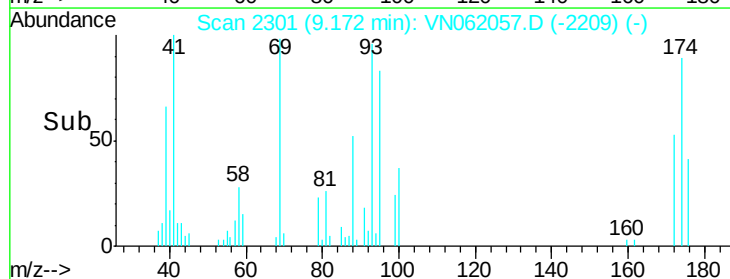
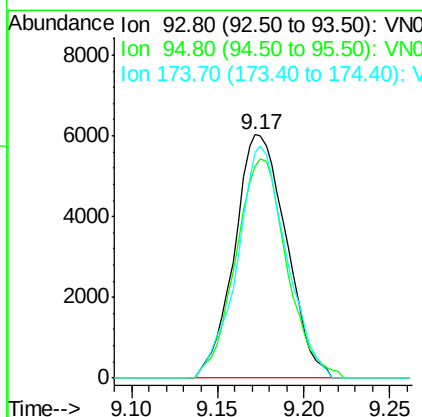
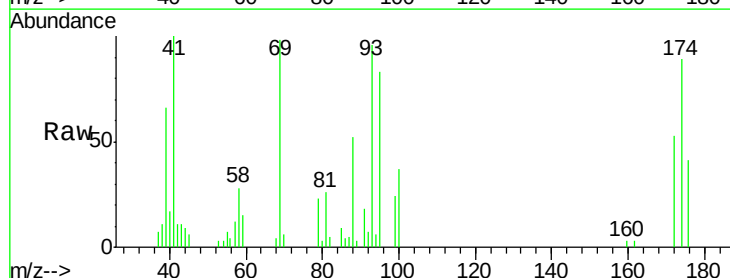
Manual Integrations
 APPROVED

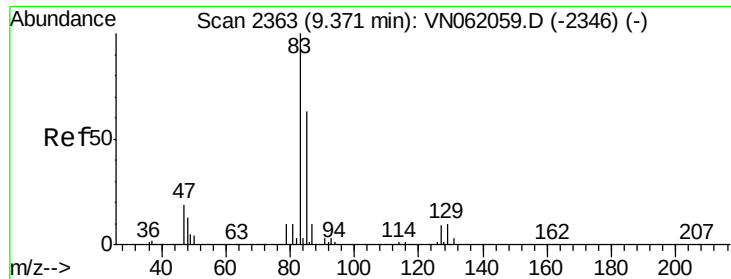
MMDadoda
 6/25/2020 6:10:03 PM



#46
 Dibromomethane
 Concen: 5.930 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Tgt Ion: 93 Resp: 12565
 Ion Ratio Lower Upper
 93 100
 95 89.0 67.0 100.6
 174 90.2 74.4 111.6





#47

Bromodichloromethane

Concen: 5.718 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

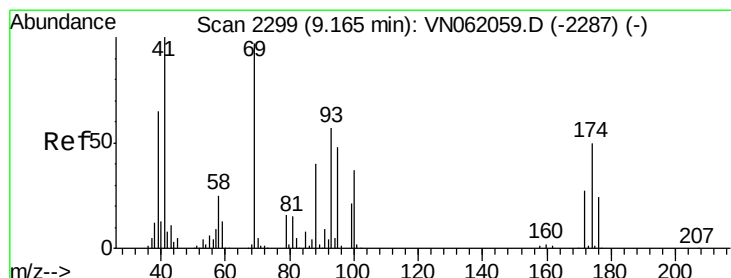
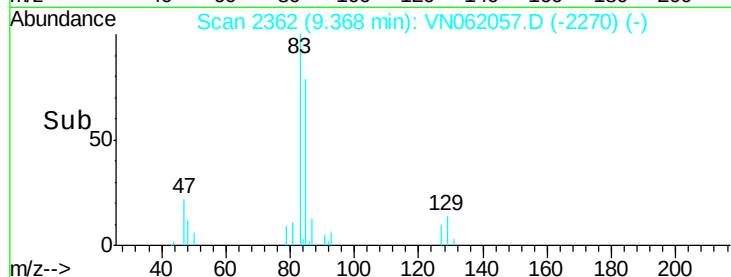
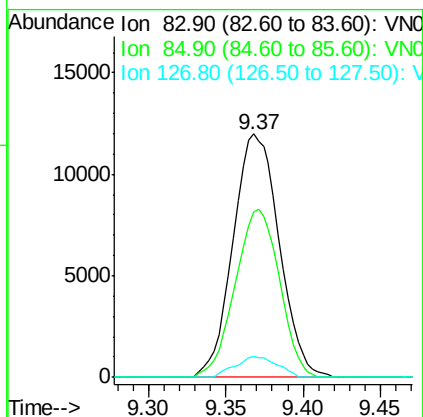
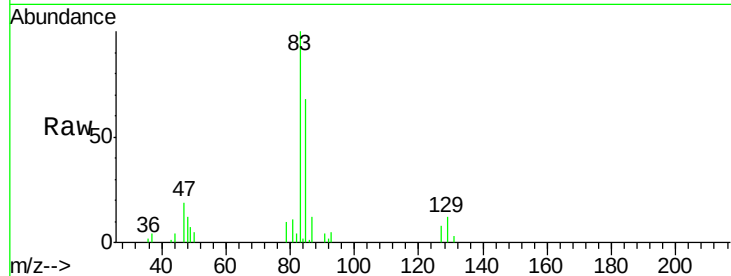
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	24883
Ion	Ratio	Lower	Upper
83	100		
85	68.1	50.3	75.5
127	8.5	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
6/25/2020 6:10:03 PM



#48

Methyl methacrylate

Concen: 5.218 ug/l

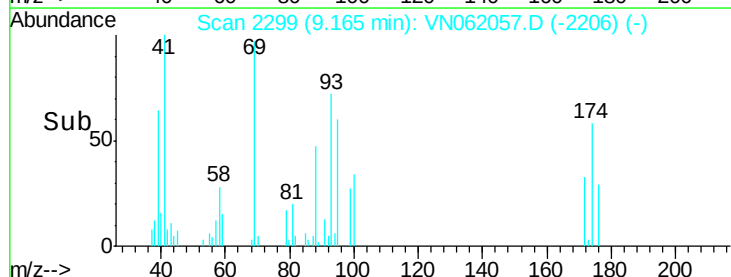
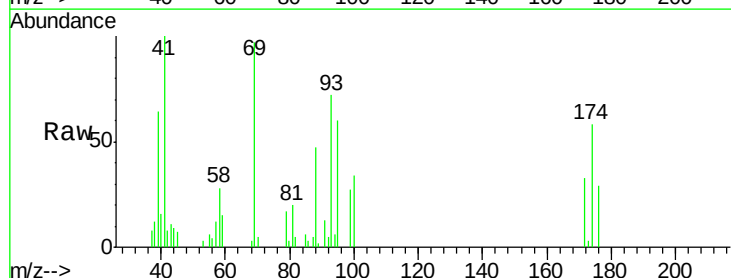
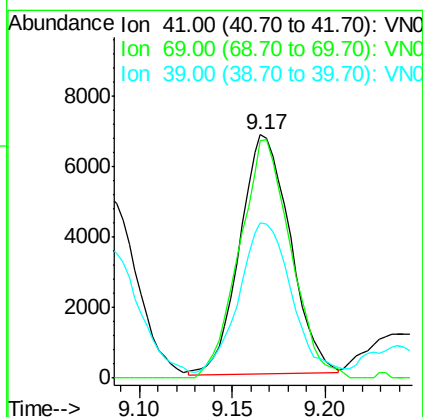
RT: 9.17 min Scan# 2299

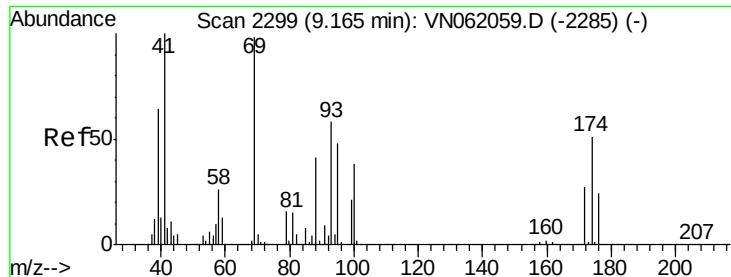
Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Tgt Ion:	41	Resp:	12810
Ion	Ratio	Lower	Upper
41	100		
69	101.4	80.7	121.1
39	65.4	54.5	81.7





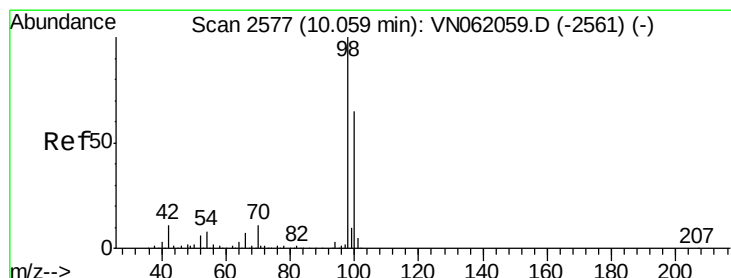
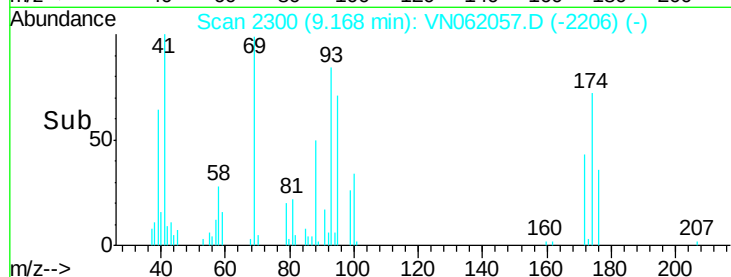
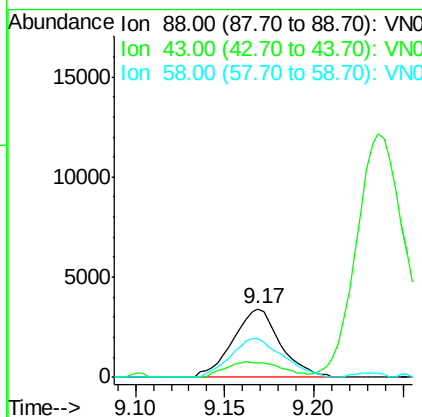
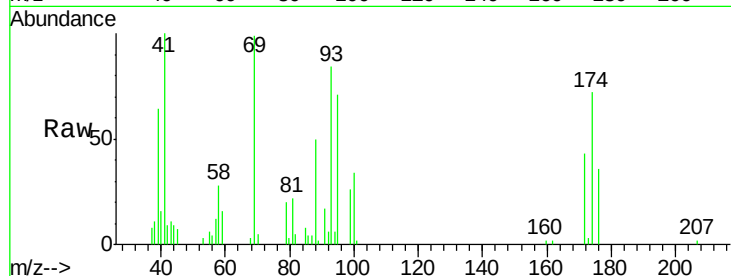
#49
1,4-Dioxane
Concen: 111.528 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.1	22.0	33.0
58	62.7	49.2	73.8

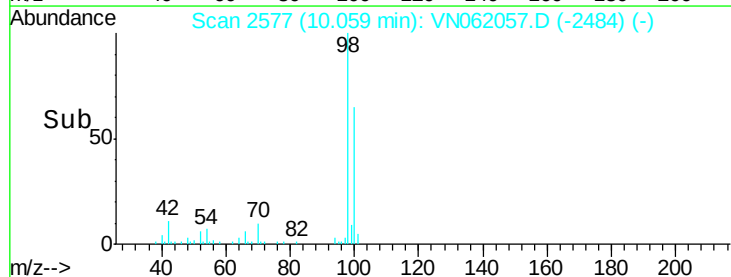
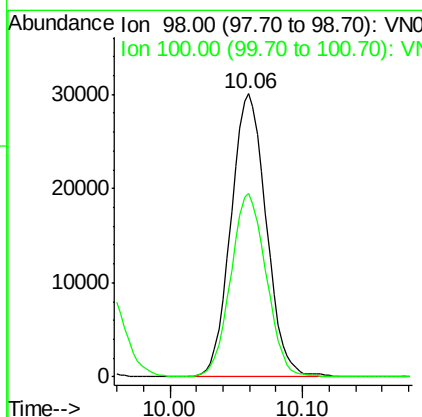
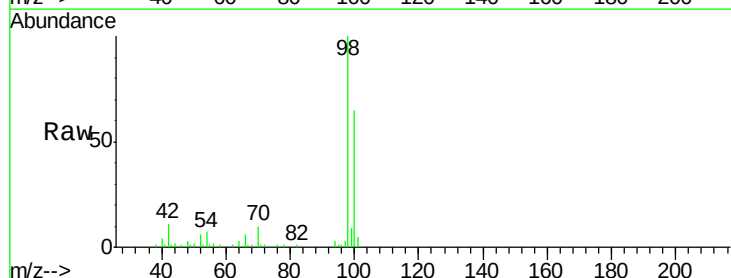
Manual Integrations
APPROVED

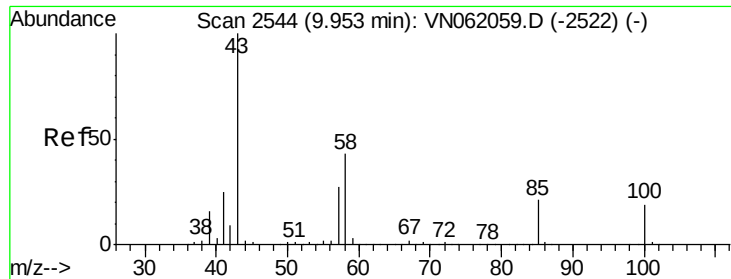
MMDadoda
6/25/2020 6:10:03 PM



#50
Toluene-d8
Concen: 5.004 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 27.686 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 88465

Ion Ratio Lower Upper

43 100

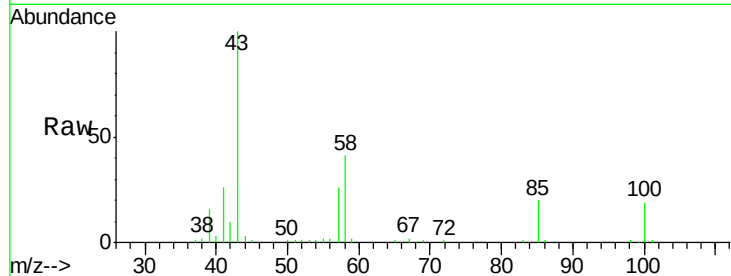
58 41.7 34.2 51.2

Manual Integrations

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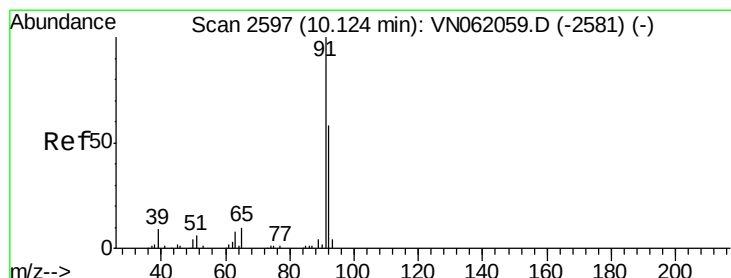
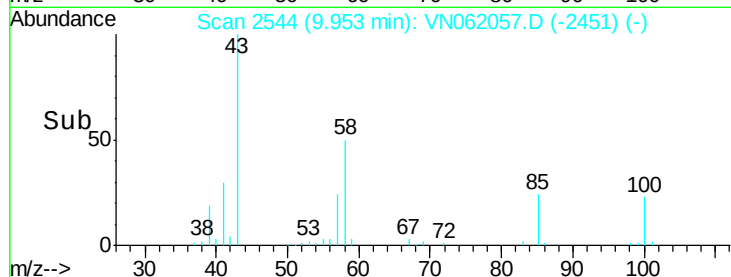
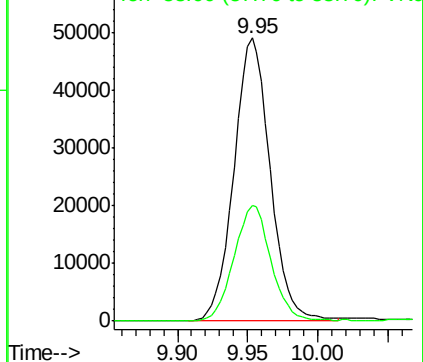
MMDadoda

6/25/2020 6:10:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.658 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062057.D

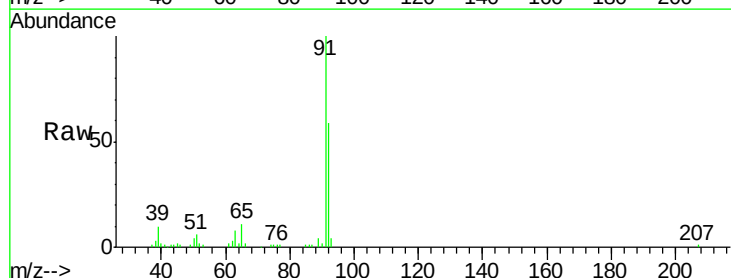
Acq: 24 Jun 2020 10:06

Tgt Ion: 92 Resp: 43708

Ion Ratio Lower Upper

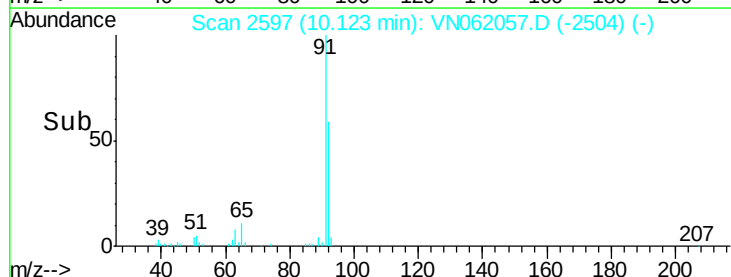
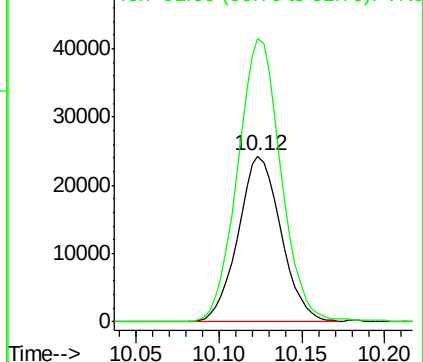
92 100

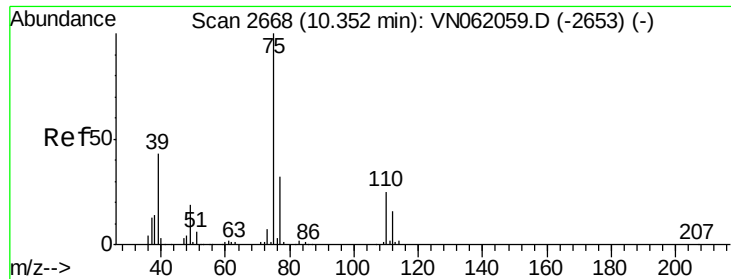
91 172.5 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





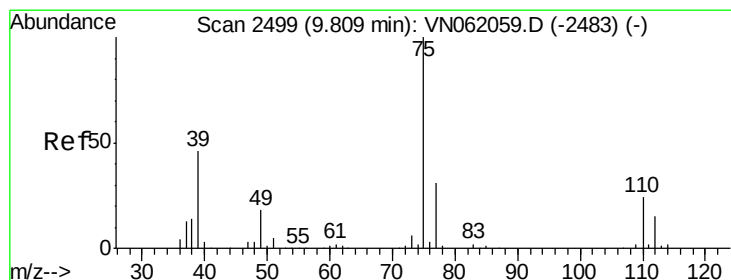
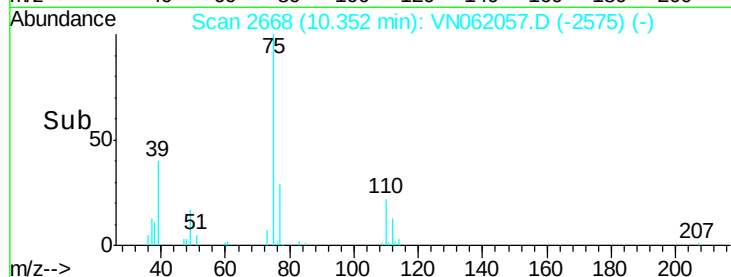
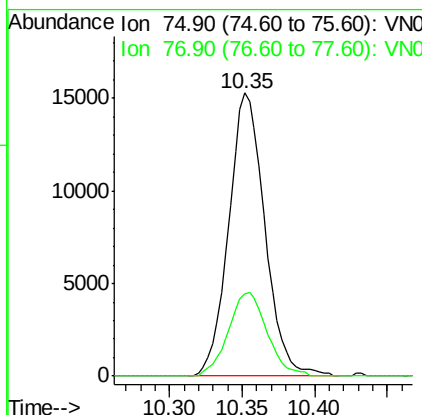
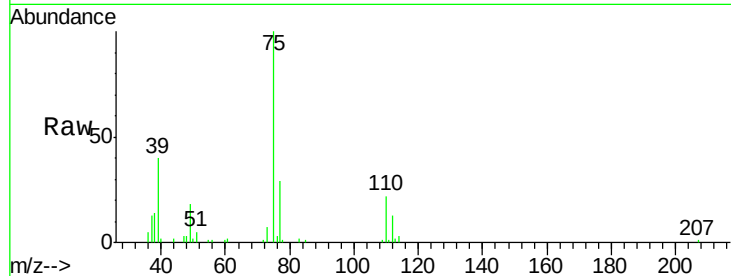
#53
t-1,3-Dichloropropene
Concen: 5.691 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 75 Resp: 26444
Ion Ratio Lower Upper
75 100
77 29.3 25.5 38.3

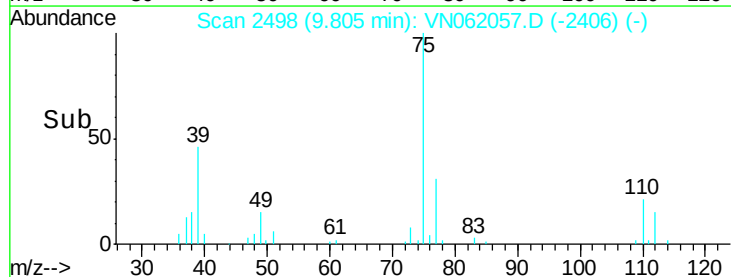
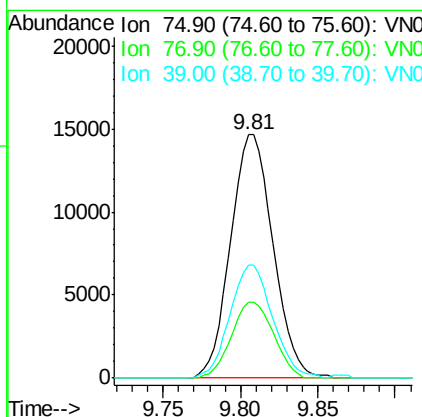
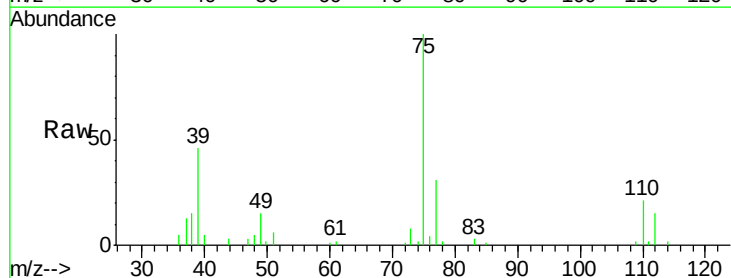
Manual Integrations
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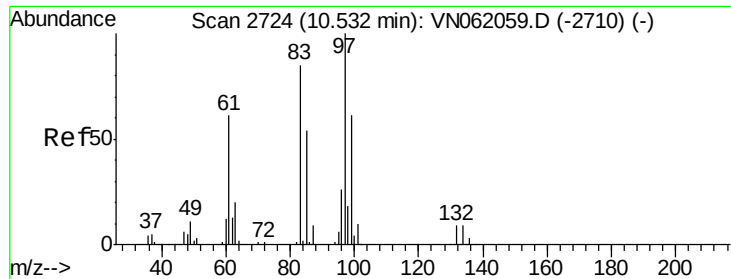
MMDadoda
6/25/2020 6:10:03 PM



#54
cis-1,3-Dichloropropene
Concen: 5.562 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion: 75 Resp: 28010
Ion Ratio Lower Upper
75 100
77 31.1 25.0 37.6
39 46.2 36.9 55.3





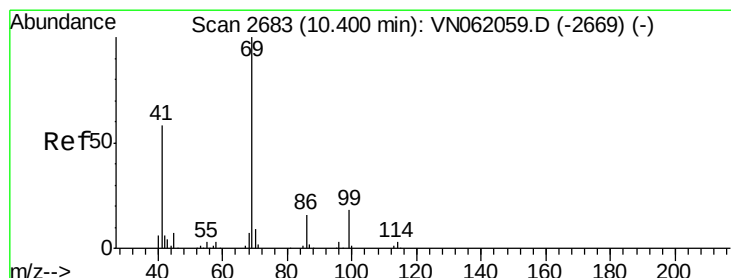
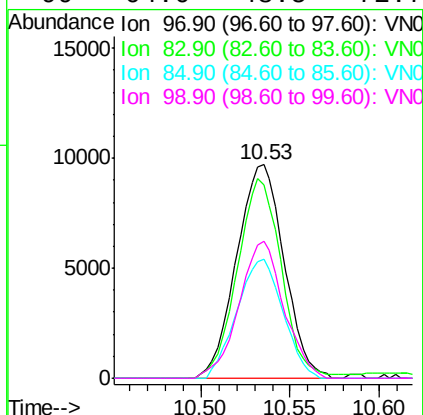
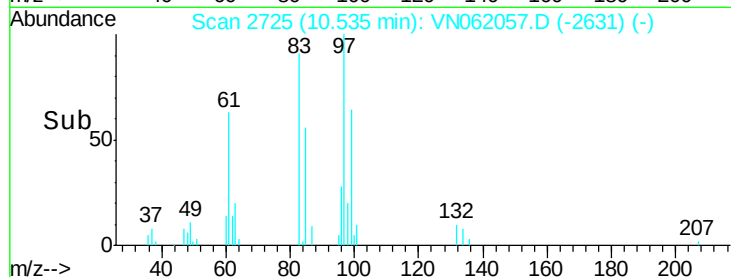
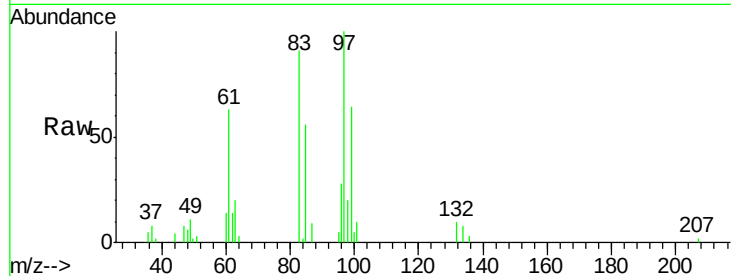
#55
 1,1,2-Trichloroethane
 Concen: 5.912 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	17989
Ion	Ratio	Lower	Upper
97	100		
83	90.7	68.2	102.2
85	55.5	43.2	64.8
99	64.0	48.5	72.7

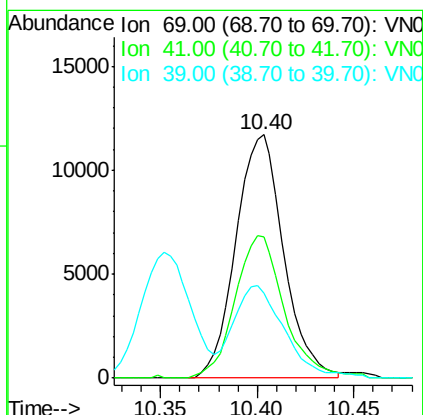
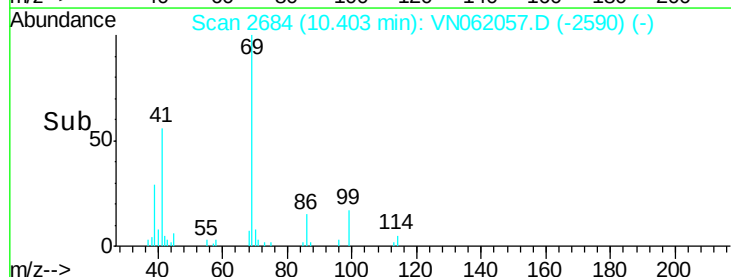
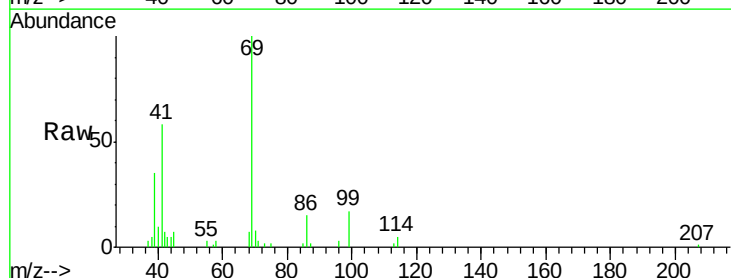
Manual Integrations
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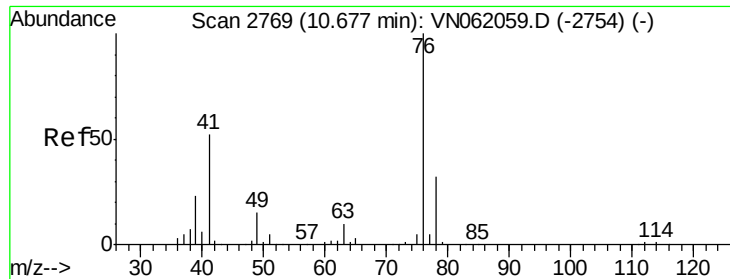
MMDadoda
 6/25/2020 6:10:03 PM



#56
 Ethyl methacrylate
 Concen: 4.950 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Tgt Ion:	69	Resp:	20164
Ion	Ratio	Lower	Upper
69	100		
41	60.3	46.6	70.0
39	41.0	31.0	46.4





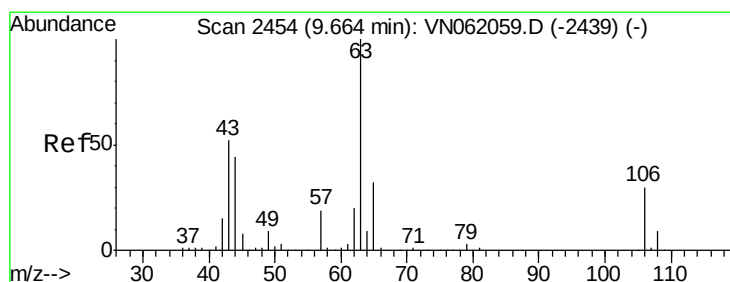
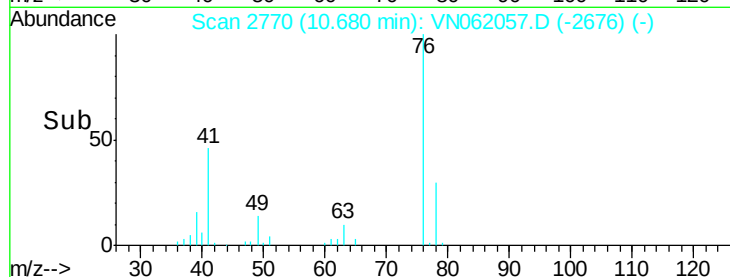
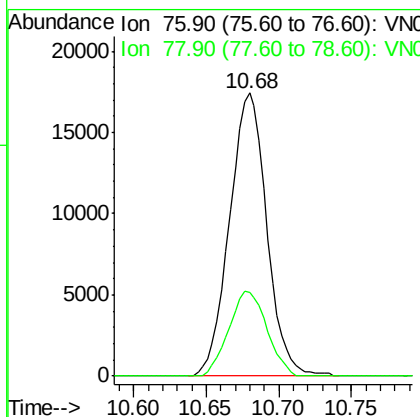
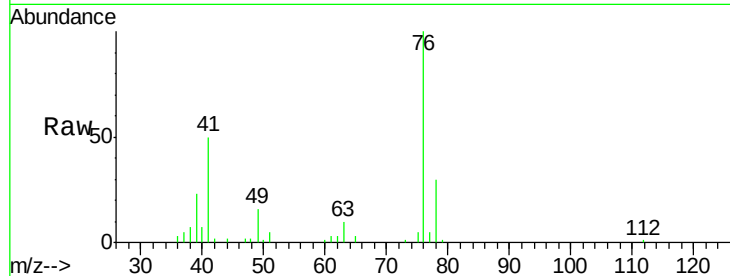
#57
 1,3-Dichloropropane
 Concen: 6.021 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 76 Resp: 31053
 Ion Ratio Lower Upper
 76 100
 78 30.5 25.8 38.8

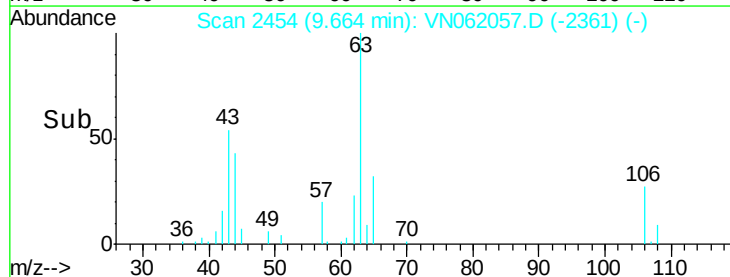
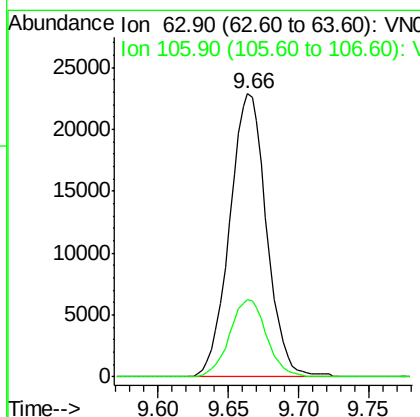
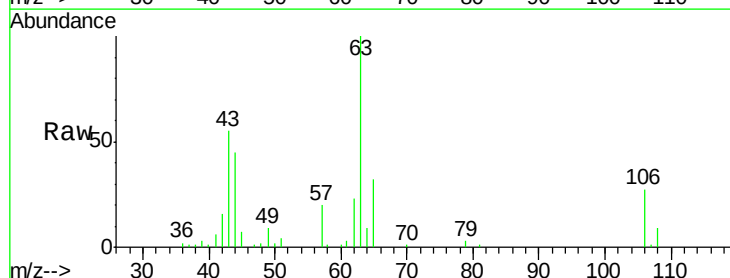
Manual Integrations
 APPROVED

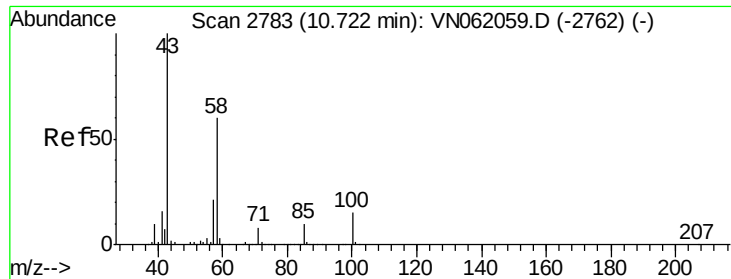
MMDadoda
 6/25/2020 6:10:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 26.085 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Tgt Ion: 63 Resp: 41839
 Ion Ratio Lower Upper
 63 100
 106 27.3 23.2 34.8





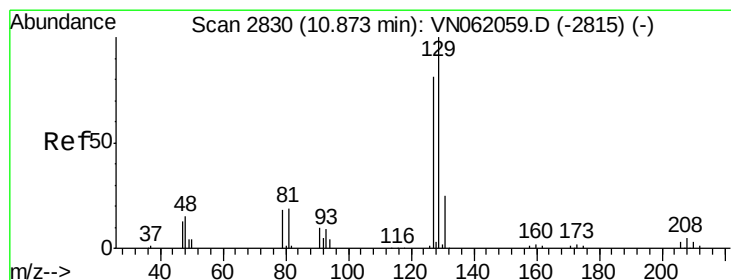
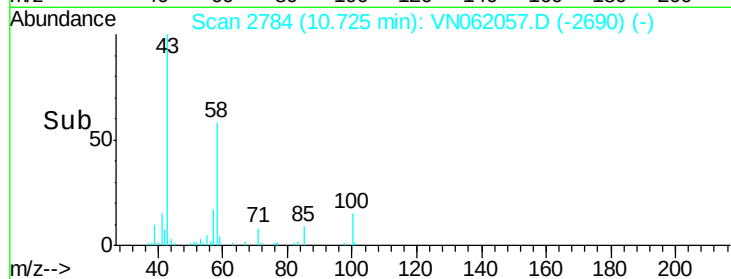
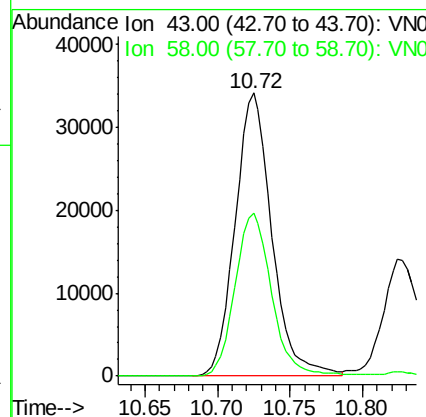
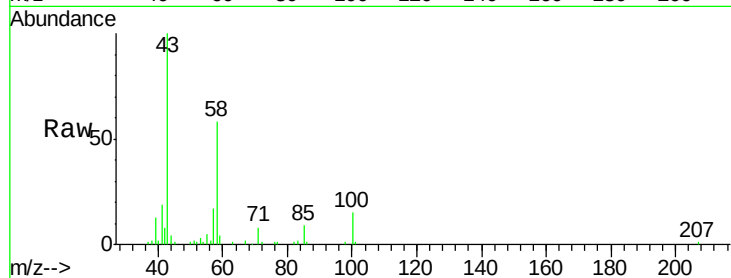
#59
2-Hexanone
Concen: 26.130 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 59990
Ion Ratio Lower Upper
43 100
58 57.3 29.5 88.5

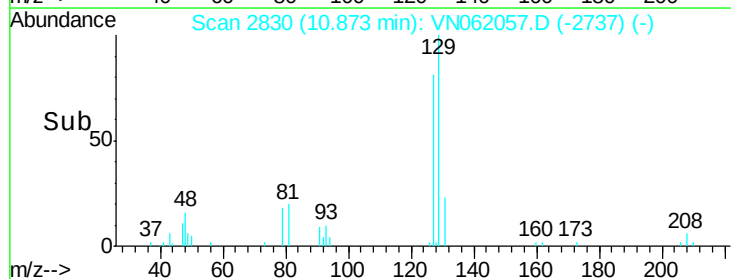
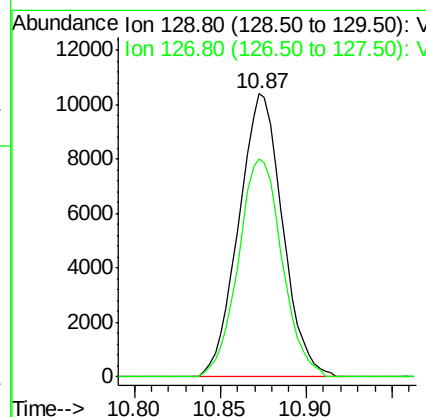
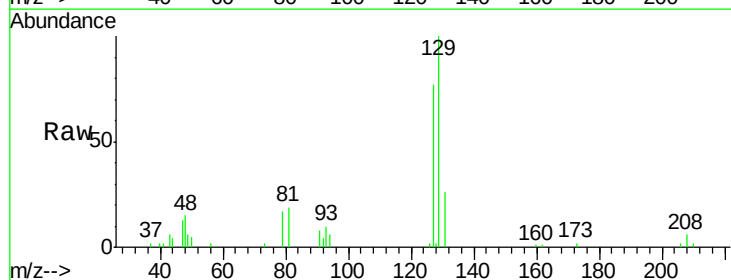
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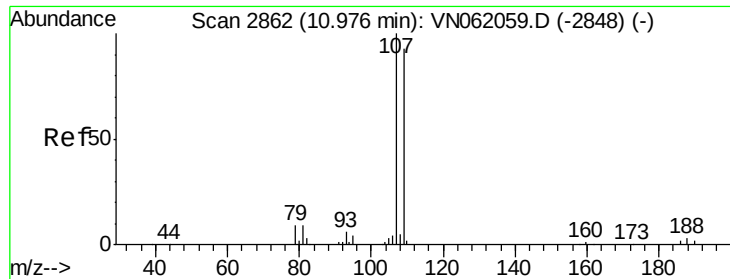
MMDadoda
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#60
Dibromochloromethane
Concen: 5.475 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion: 129 Resp: 18423
Ion Ratio Lower Upper
129 100
127 76.6 39.5 118.5





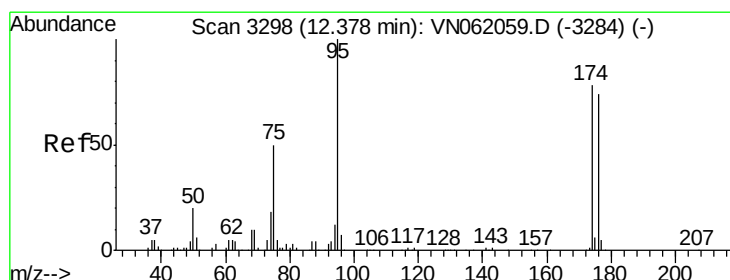
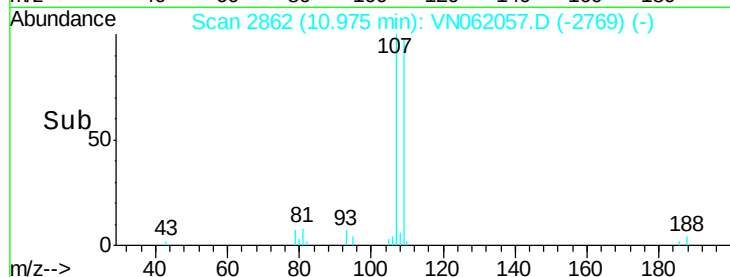
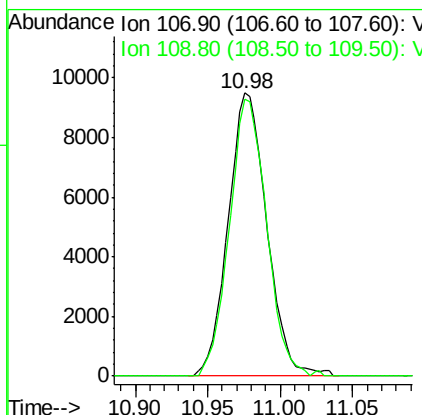
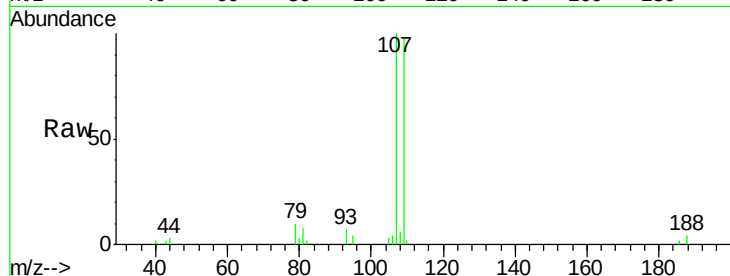
#61
 1,2-Dibromoethane
 Concen: 5.552 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 17572
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.0 112.6

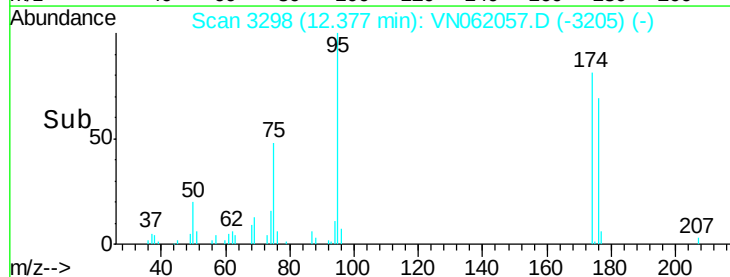
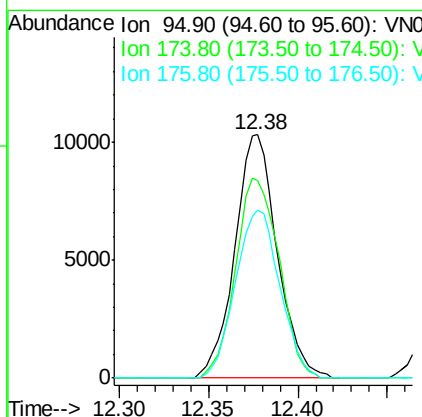
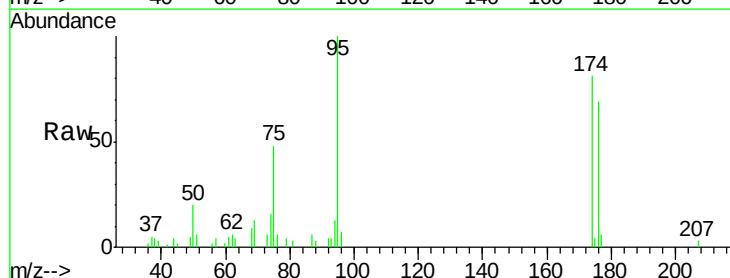
Manual Integrations
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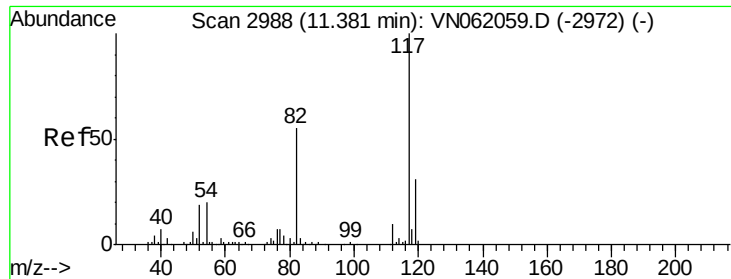
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 4.511 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Tgt Ion: 95 Resp: 17142
 Ion Ratio Lower Upper
 95 100
 174 84.3 0.0 154.8
 176 72.3 0.0 147.4





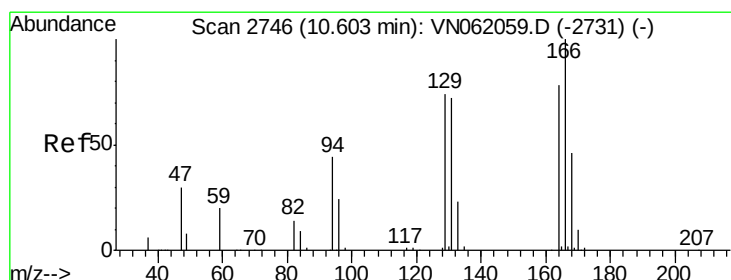
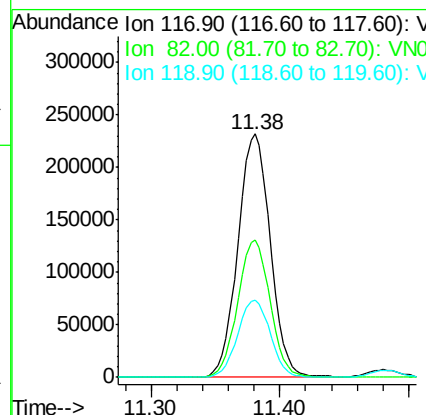
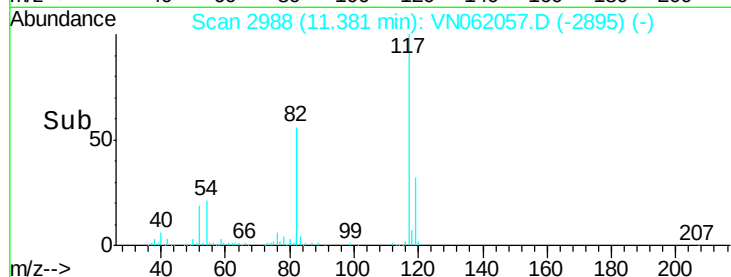
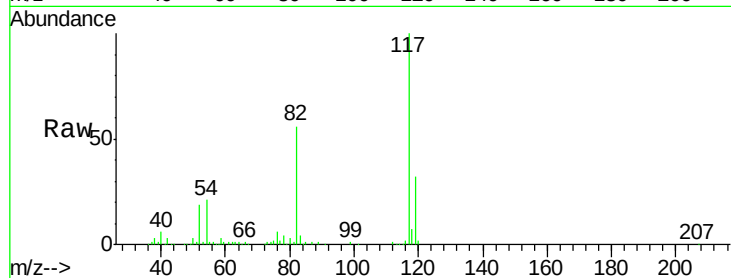
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	43.8	65.8
119	31.9	25.2	37.8

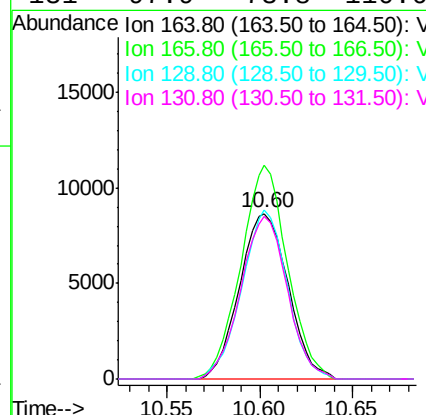
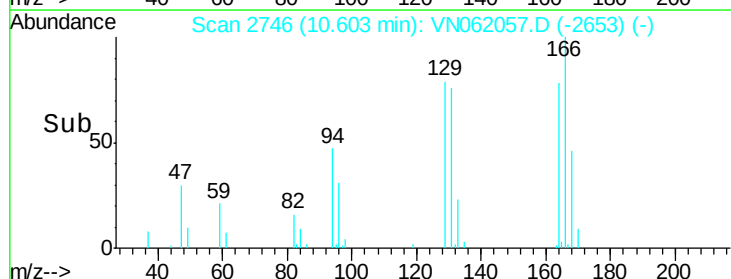
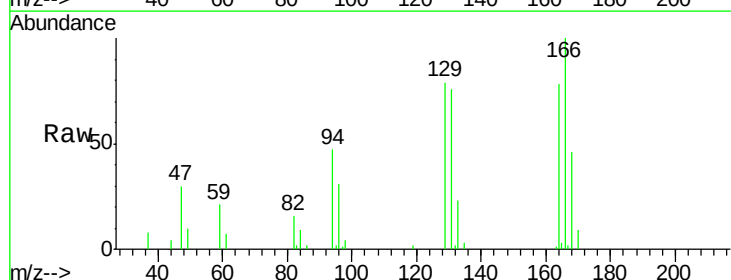
Manual Integrations
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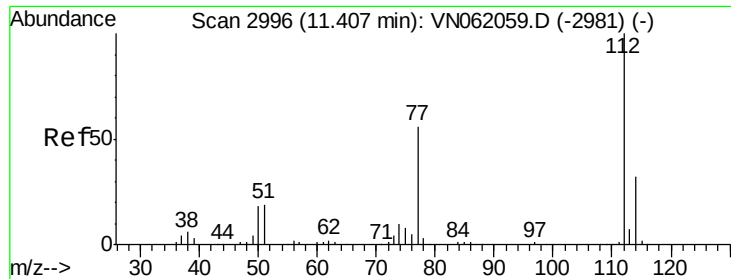
MMDadoda
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#64
Tetrachloroethene
Concen: 6.149 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.9	154.3
129	101.7	75.8	113.8
131	97.9	73.8	110.6





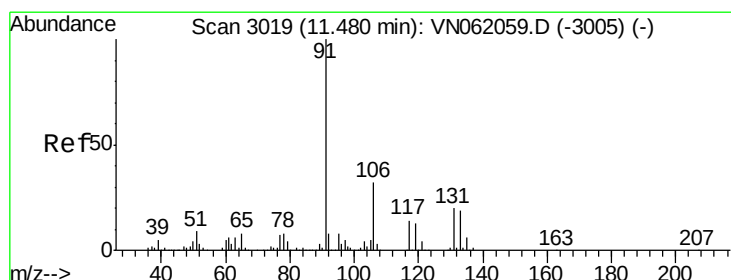
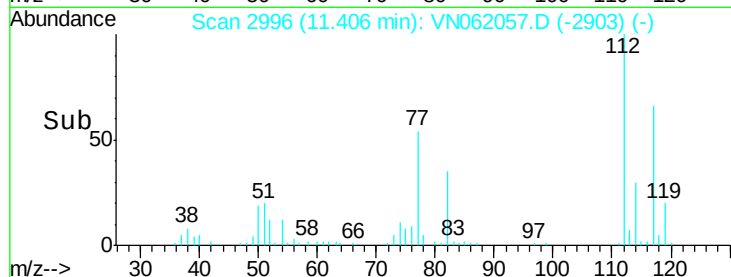
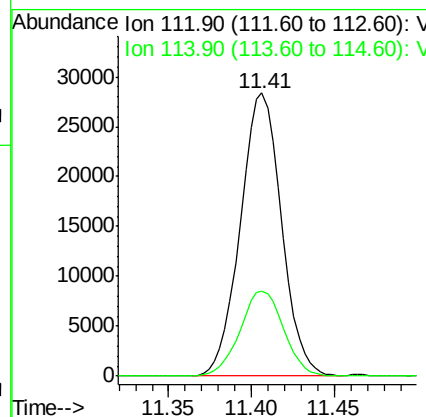
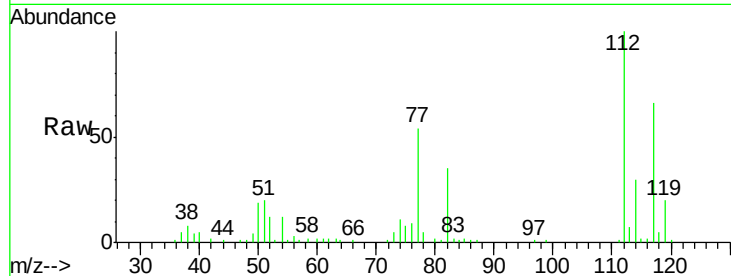
#65
Chlorobenzene
Concen: 5.726 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:112 Resp: 48978
Ion Ratio Lower Upper
112 100
114 30.2 25.8 38.8

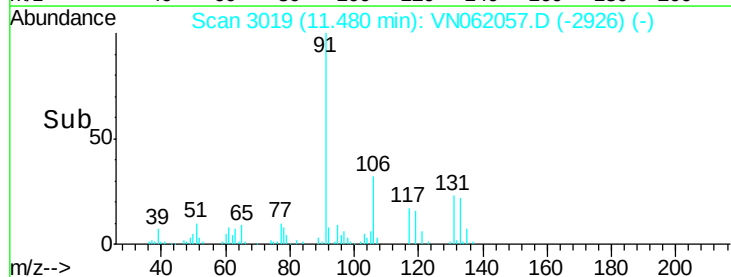
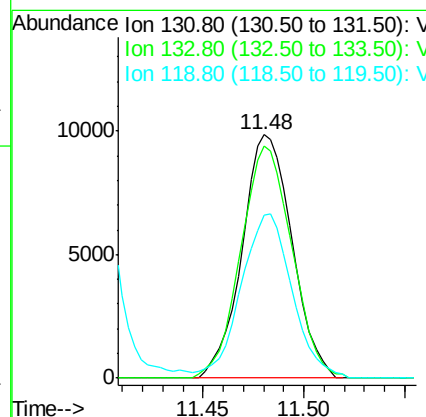
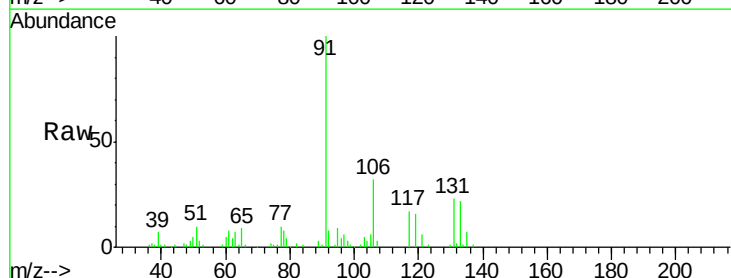
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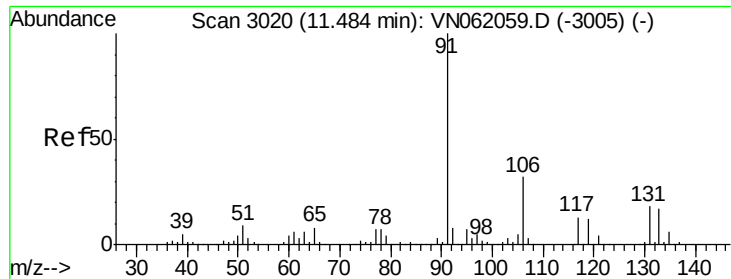
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.730 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion:131 Resp: 17029
Ion Ratio Lower Upper
131 100
133 97.8 47.6 142.9
119 69.2 34.4 103.3





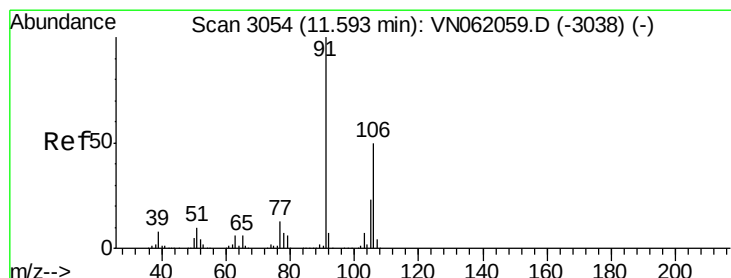
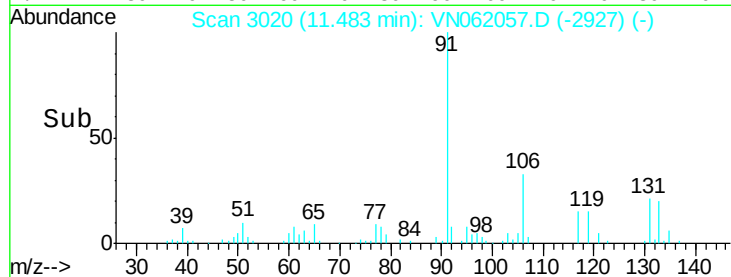
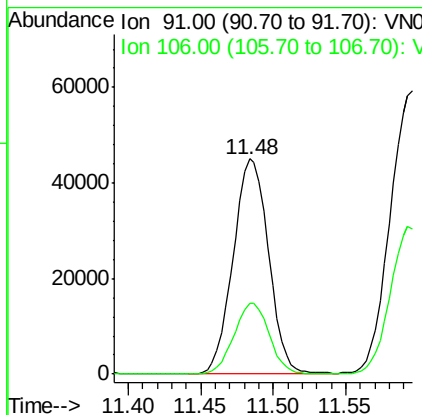
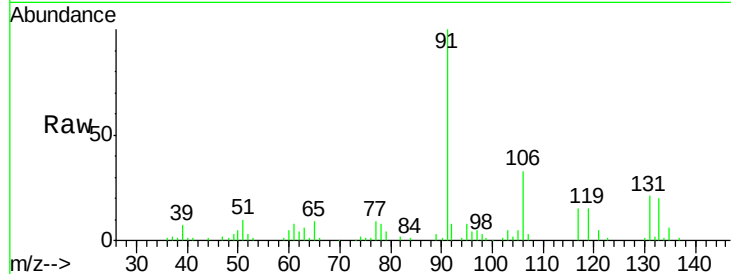
#67
Ethyl Benzene
Concen: 5.332 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 76629
Ion Ratio Lower Upper
91 100
106 33.2 25.3 37.9

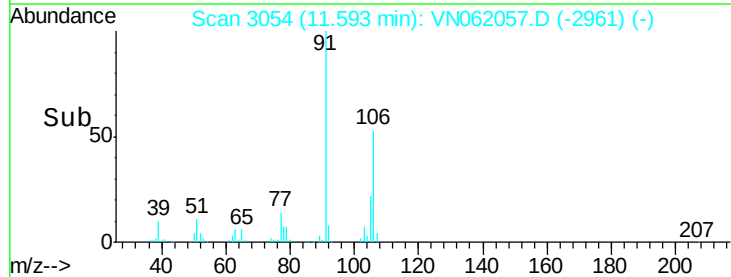
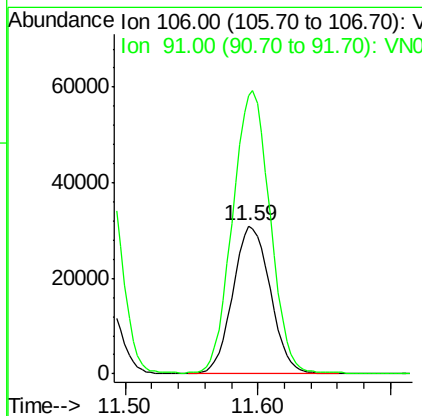
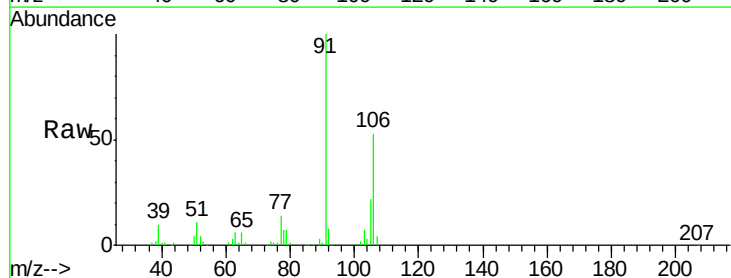
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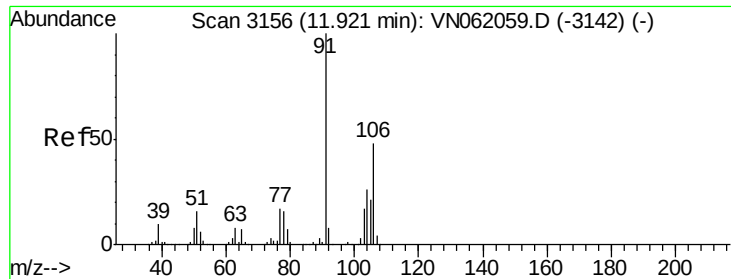
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#68
m/p-Xylenes
Concen: 10.951 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion: 106 Resp: 60701
Ion Ratio Lower Upper
106 100
91 191.2 157.8 236.8





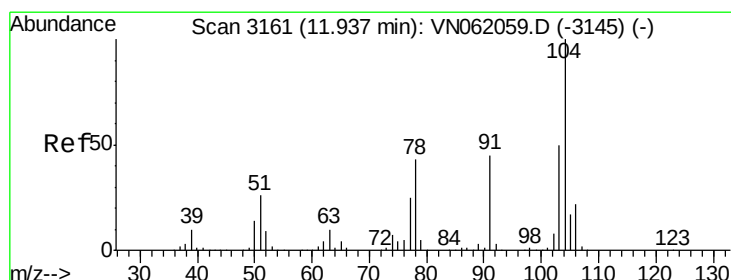
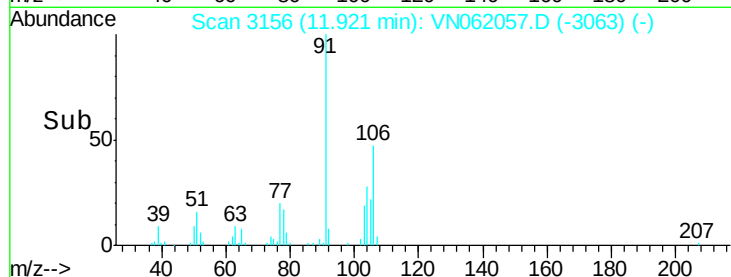
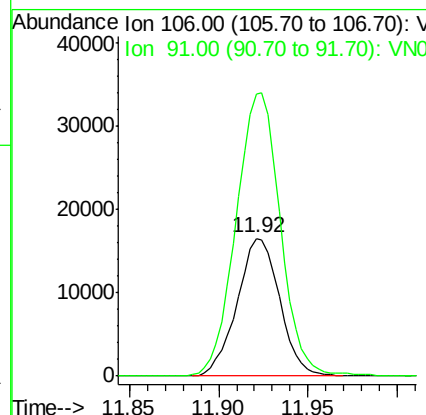
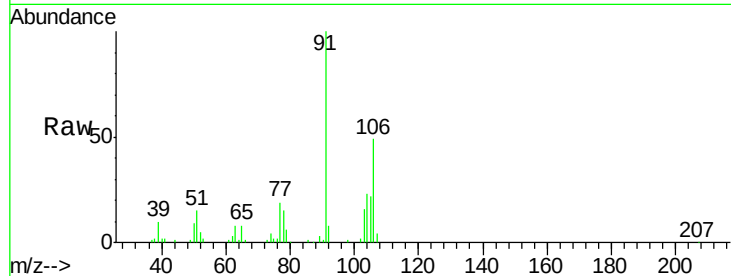
#69
o-Xylene
Concen: 5.211 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.5	104.0	311.9

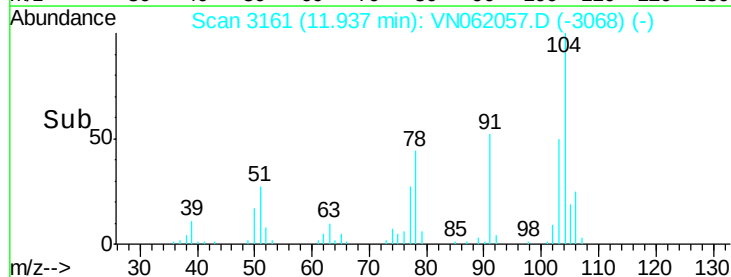
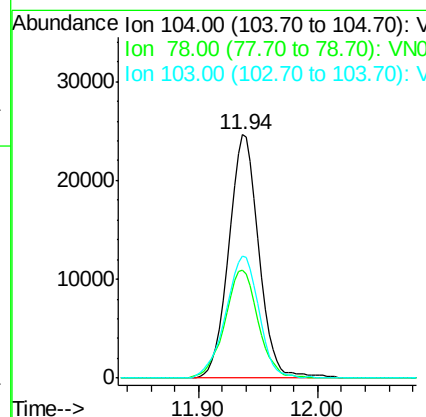
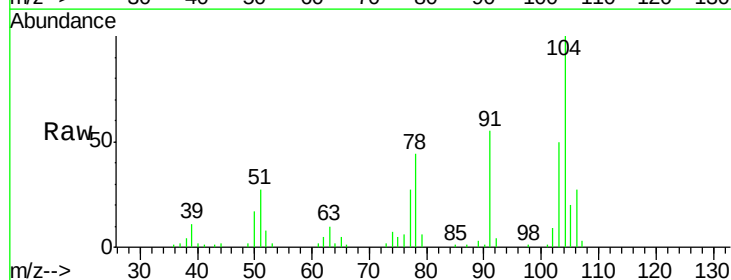
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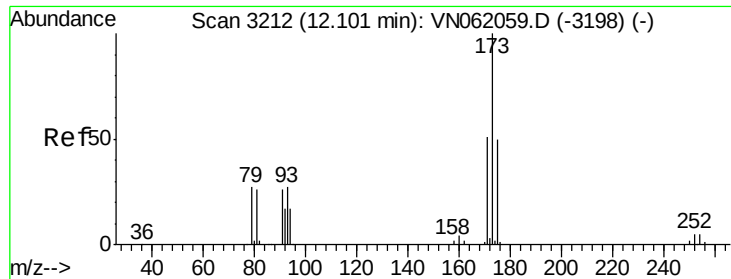
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#70
Styrene
Concen: 4.891 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	37.7	56.5
103	55.3	43.0	64.6





#71

Bromoform

Concen: 5.260 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 11368

Ion Ratio Lower Upper

173 100

175 44.7 24.7 74.1

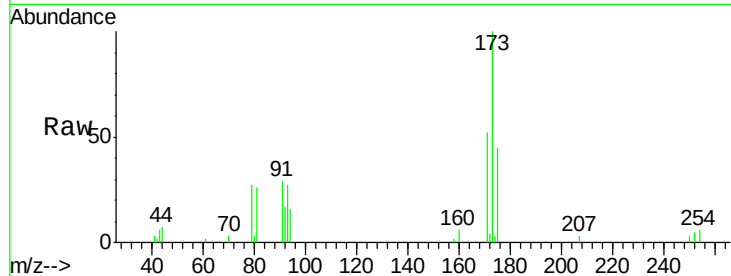
254 0.0 0.0 0.0

Manual Integrations

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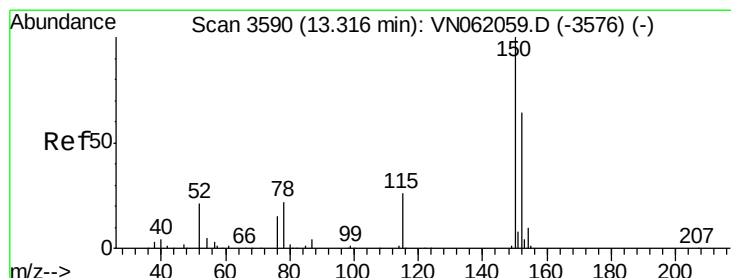
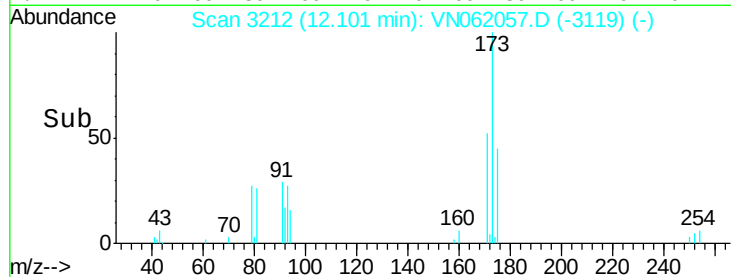
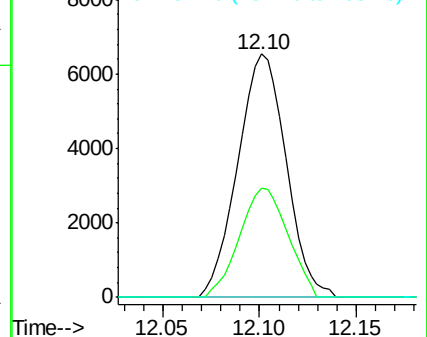
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

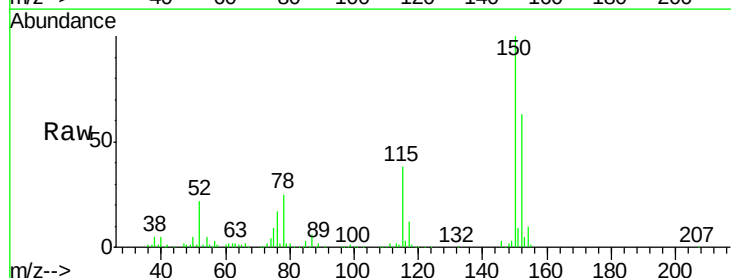
Tgt Ion:152 Resp: 169376

Ion Ratio Lower Upper

152 100

115 59.0 29.5 88.5

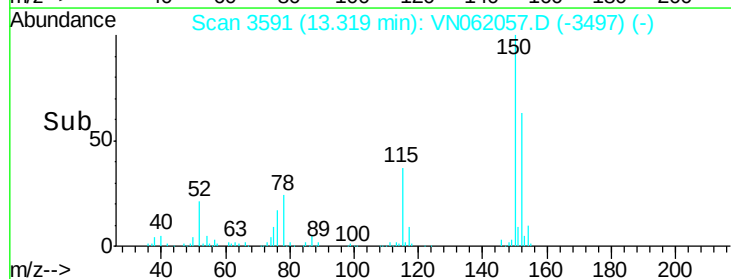
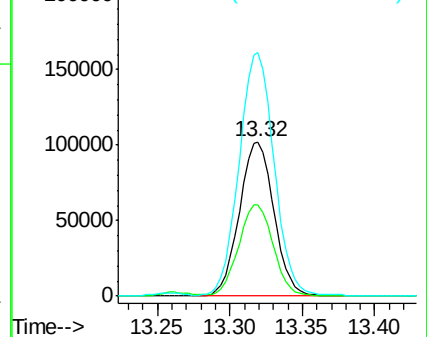
150 158.2 0.0 351.4

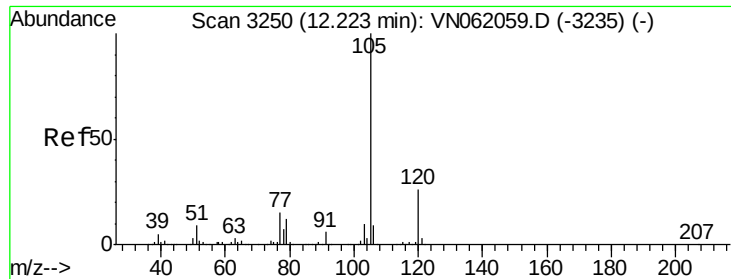


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.911 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 71501

Ion Ratio Lower Upper

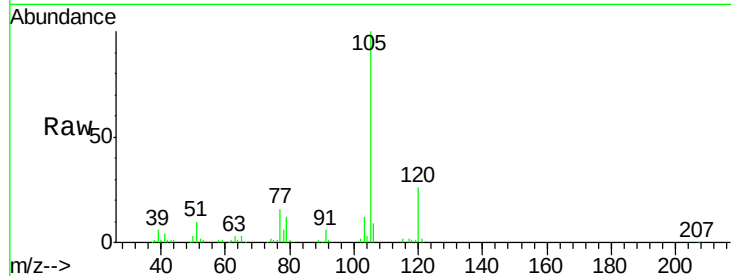
105 100

120 25.9 13.2 39.6

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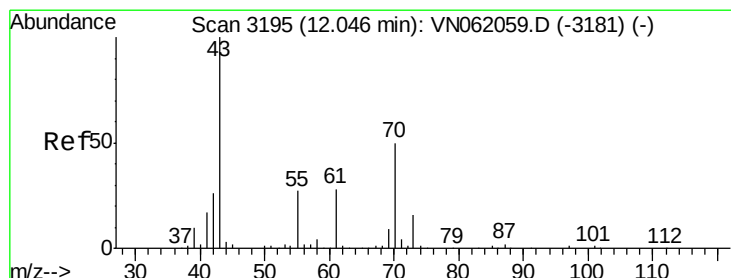
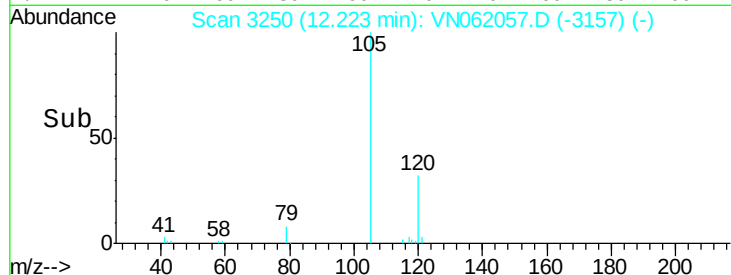
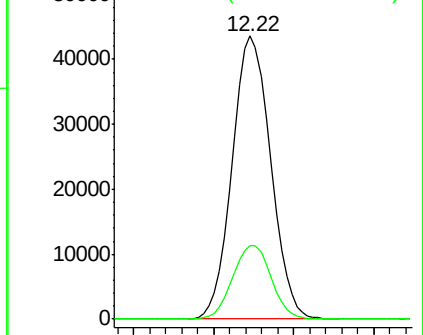
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.987 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Tgt Ion: 43 Resp: 19552

Ion Ratio Lower Upper

43 100

70 51.7 39.4 59.2

55 30.3 21.7 32.5

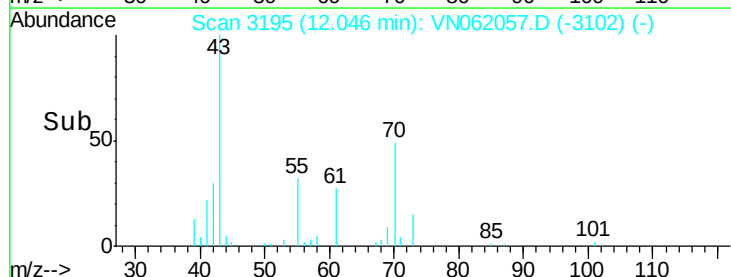
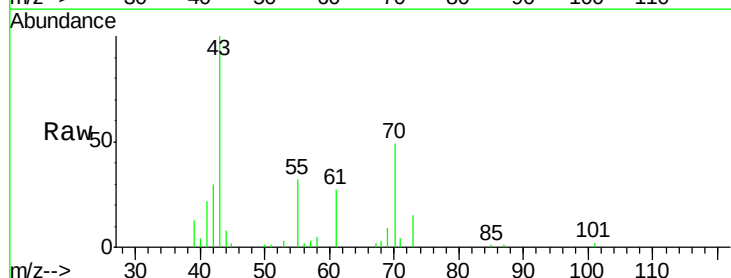
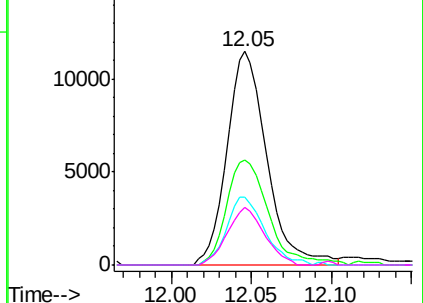
61 25.1 21.3 31.9

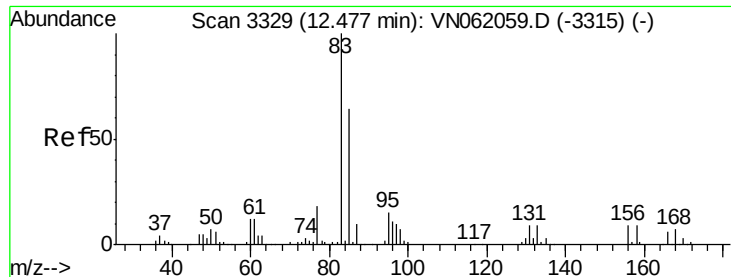
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 6.396 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

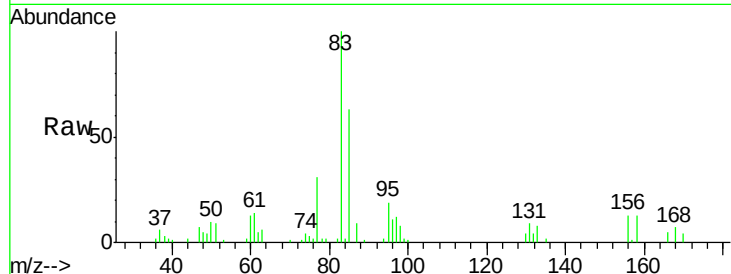
ClientSampleId :

VSTDIC005

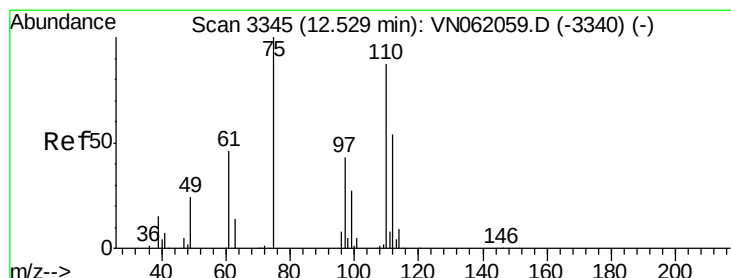
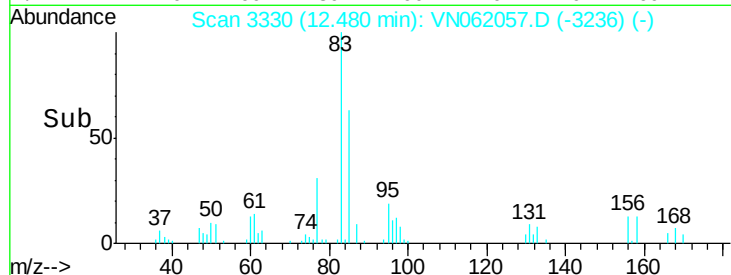
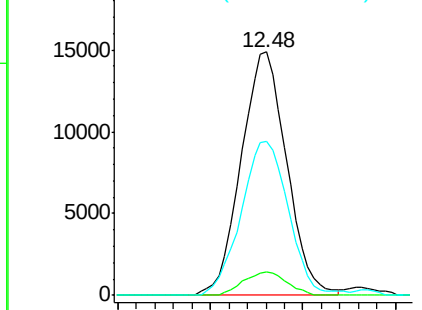
Tot Ion:	83	Resp:	25343
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.8	14.4
85	65.9	32.4	97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN062057.D (-3330) (-)



#76

1,2,3-Trichloropropane

Concen: 7.105 ug/l m

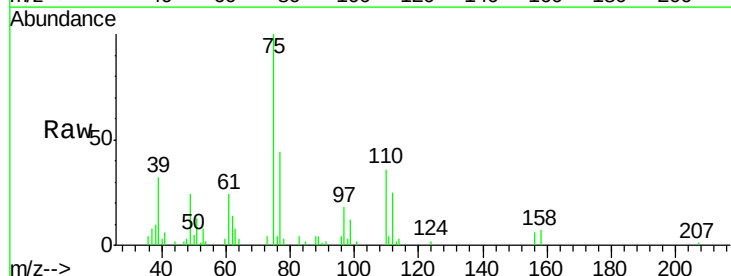
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

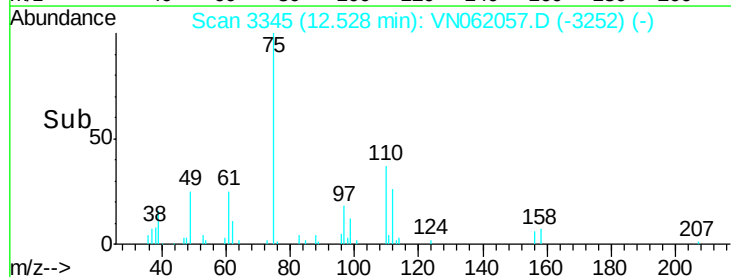
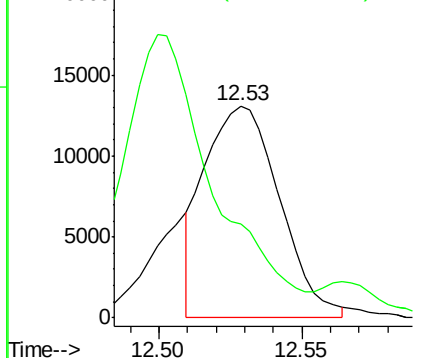
Lab File: VN062057.D

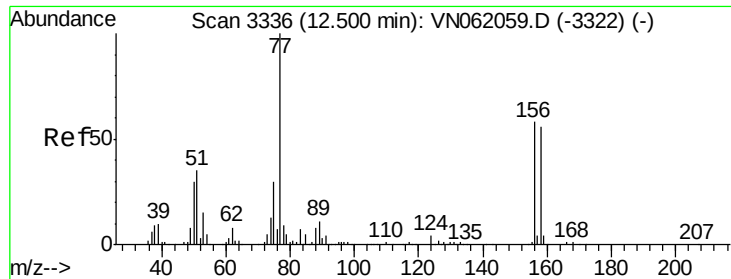
Acq: 24 Jun 2020 10:06

Tgt Ion:	75	Resp:	23960
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062057.D (-3345) (-)





#77

Bromobenzene

Concen: 6.047 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

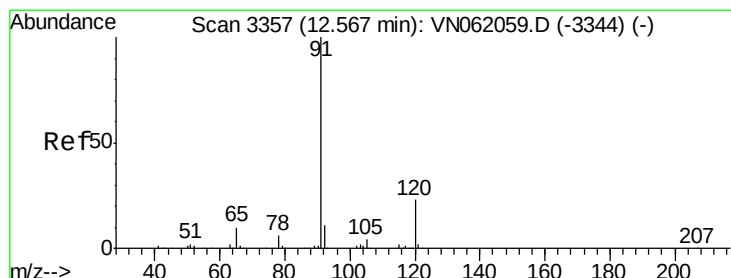
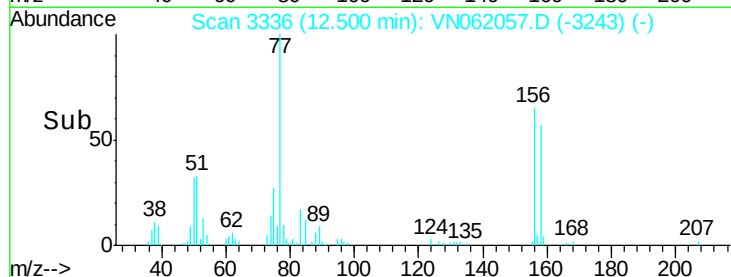
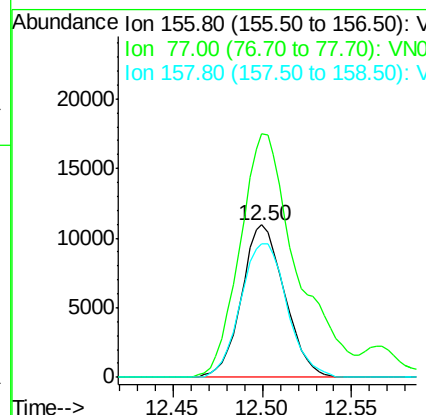
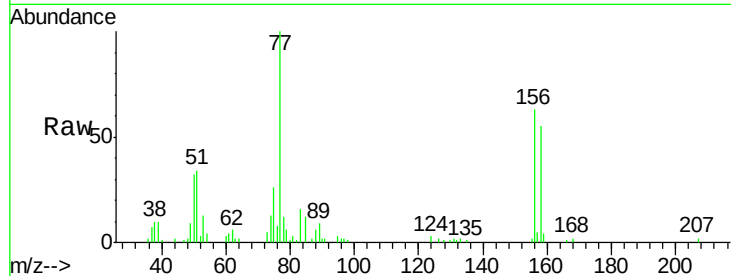
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.6	104.6	313.8
158	94.9	48.0	144.0

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#78

n-propylbenzene

Concen: 5.702 ug/l

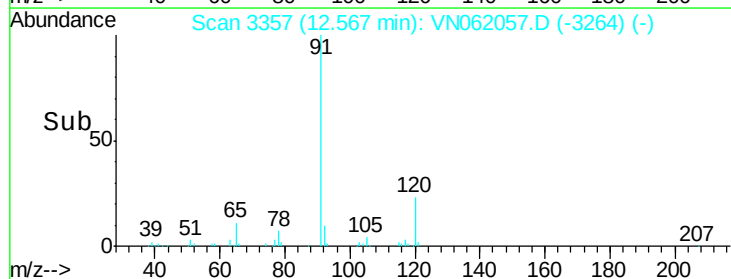
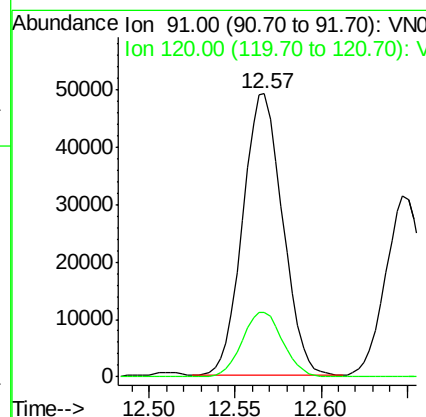
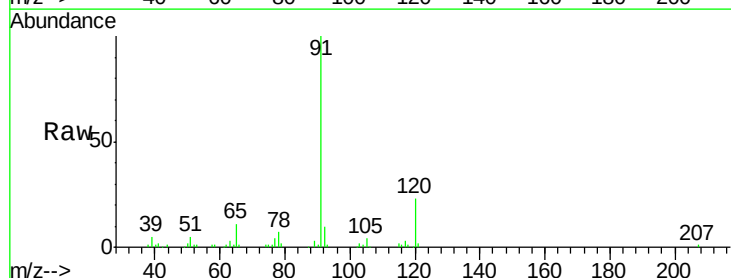
RT: 12.57 min Scan# 3357

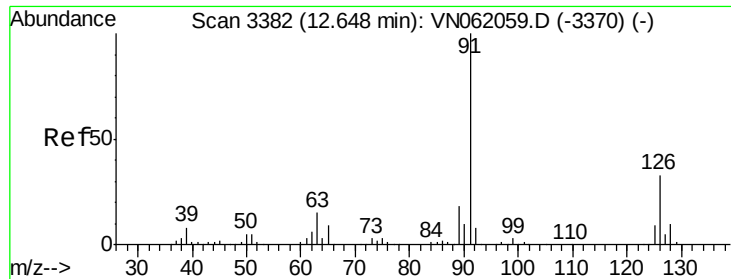
Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.4	34.1





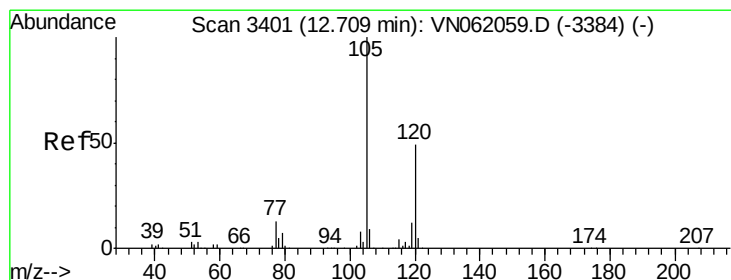
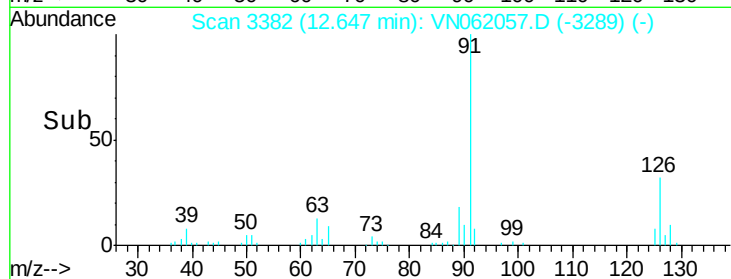
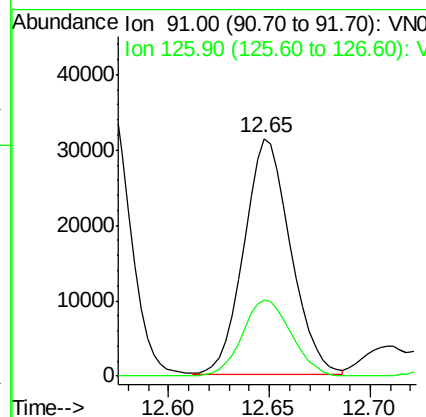
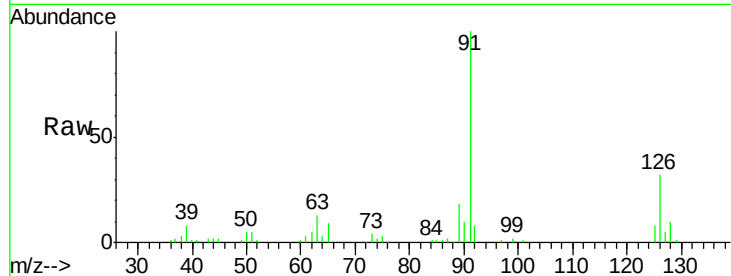
#79
2-Chlorotoluene
Concen: 6.098 ug/l
RT: 12.65 min Scan# 3382
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 50723
Ion Ratio Lower Upper
91 100
126 33.8 16.9 50.7

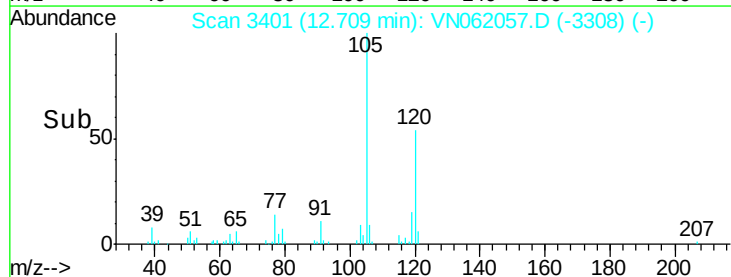
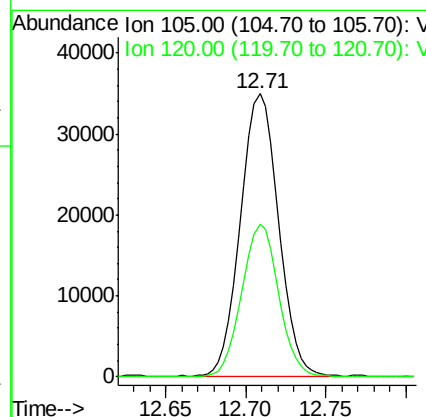
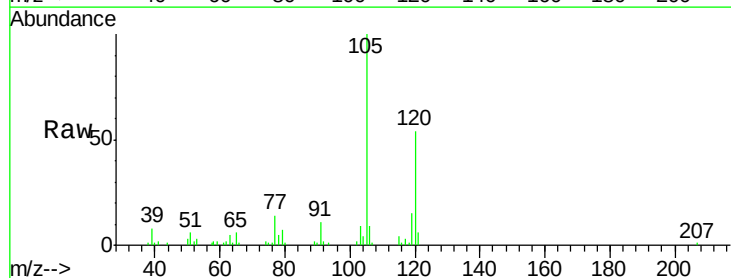
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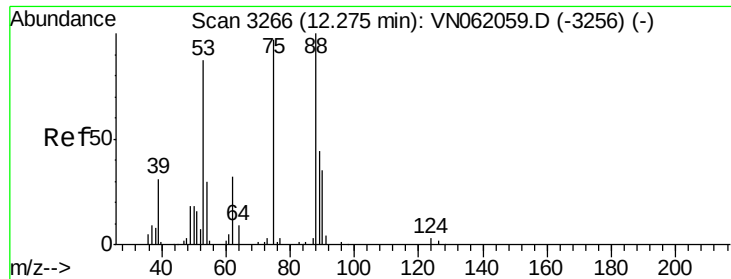
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#80
1,3,5-Trimethylbenzene
Concen: 5.692 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion: 105 Resp: 56860
Ion Ratio Lower Upper
105 100
120 52.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 5.287 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

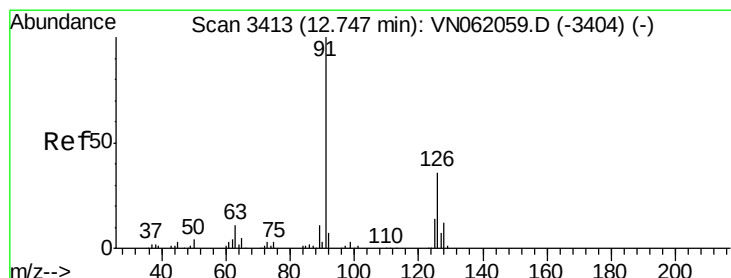
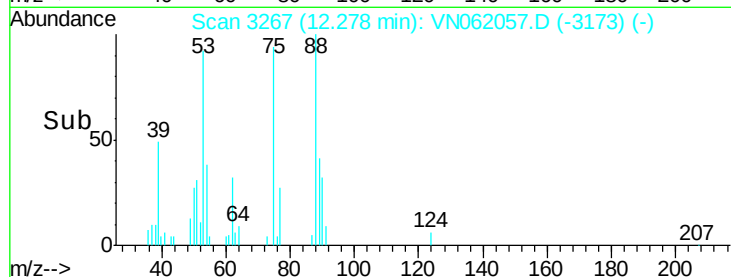
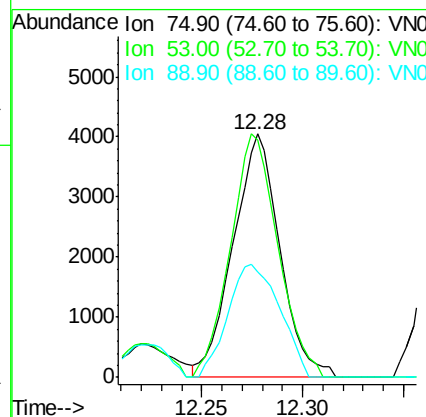
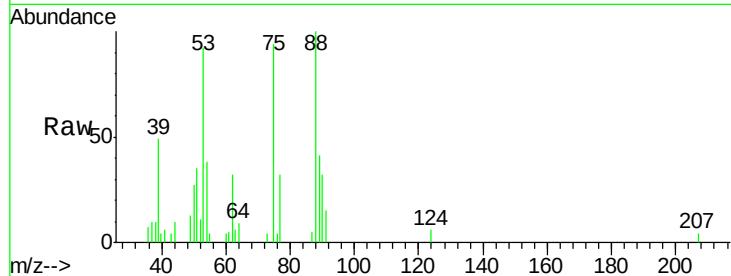
ClientSampled :

VSTDIC005

Tot Ion:	75	Resp:	6577
Ion	Ratio	Lower	Upper
75	100		
53	101.2	72.0	108.0
89	51.4	36.9	55.3

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#82

4-Chlorotoluene

Concen: 6.041 ug/l

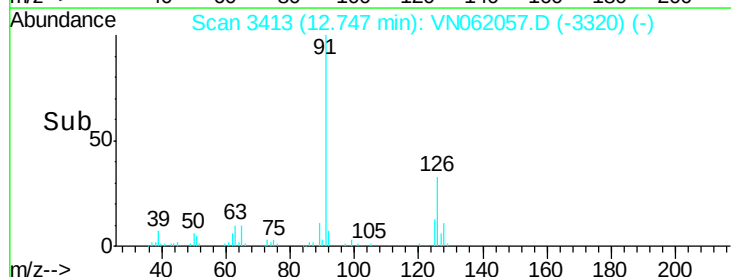
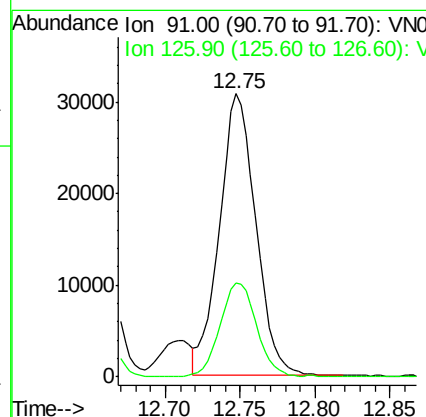
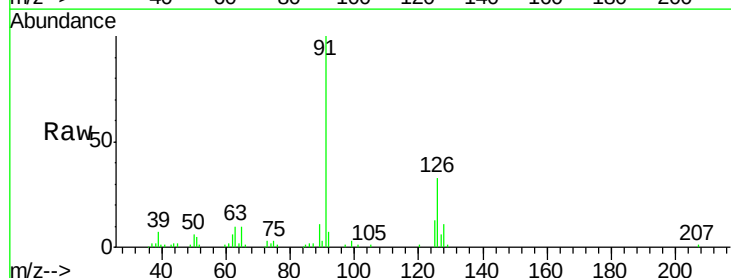
RT: 12.75 min Scan# 3413

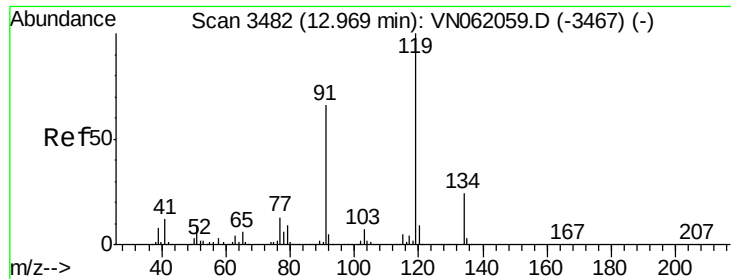
Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Tgt Ion:	91	Resp:	51866
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.7	50.1





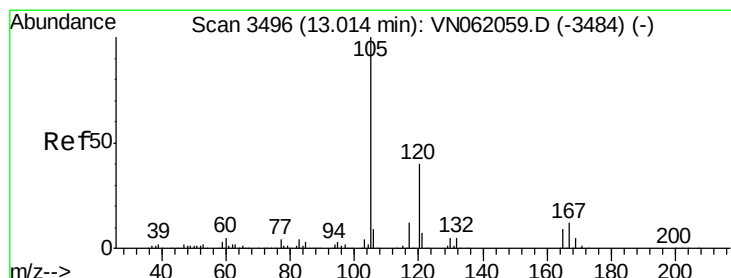
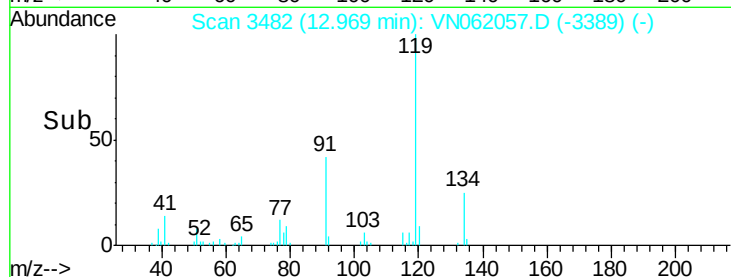
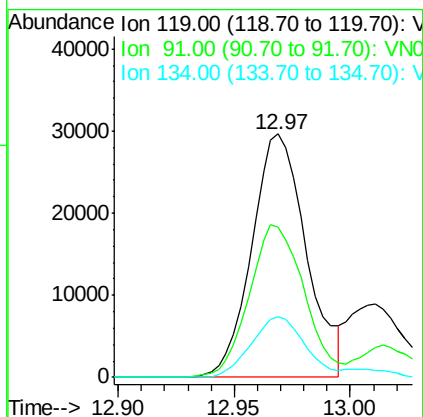
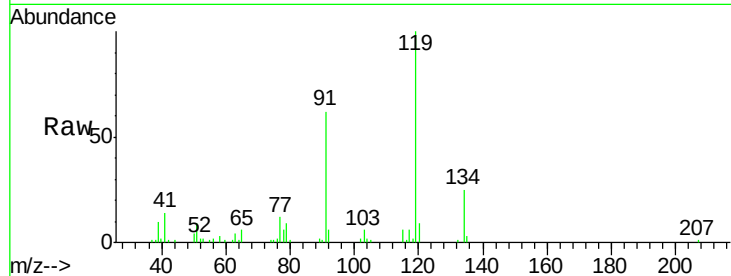
#83
 tert-Butylbenzene
 Concen: 5.735 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.7	95.1
134	24.4	13.1	39.1

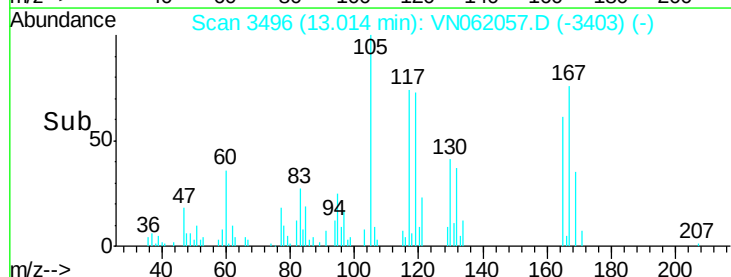
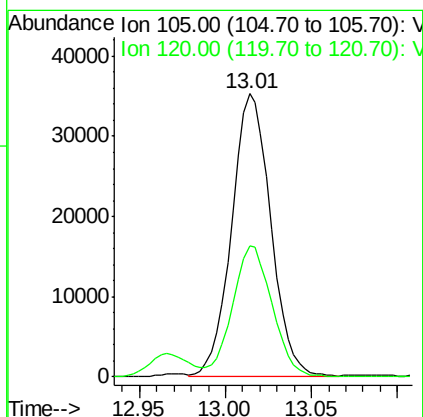
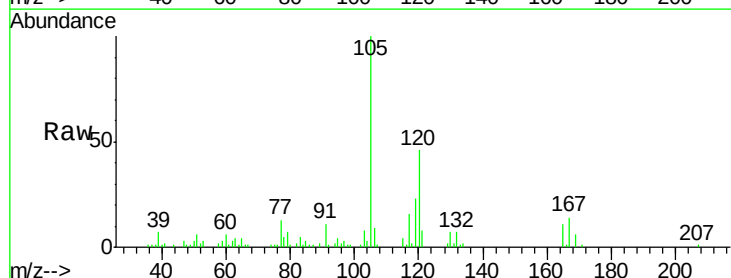
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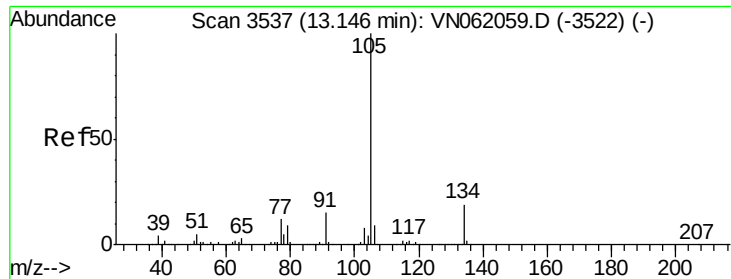
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.708 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.5





#85

sec-Butylbenzene

Concen: 5.905 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 65638

Ion Ratio Lower Upper

105 100

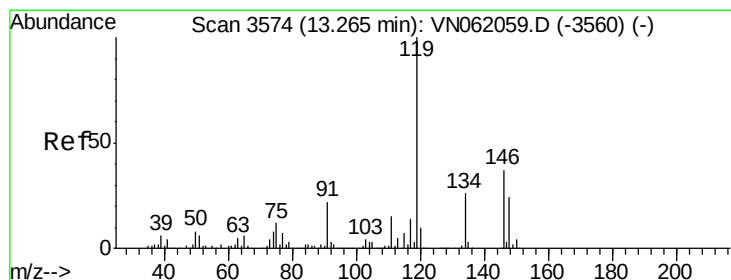
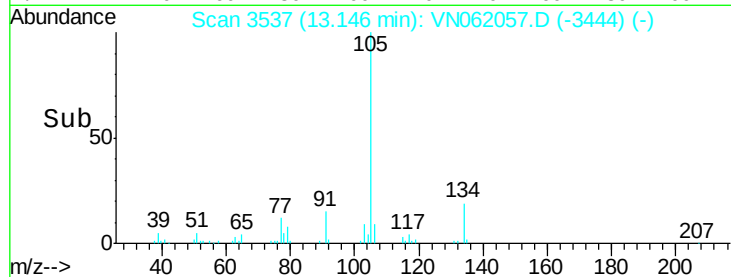
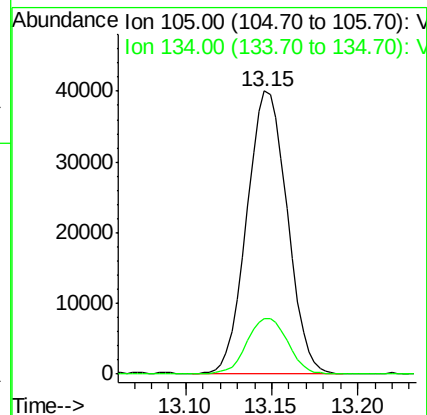
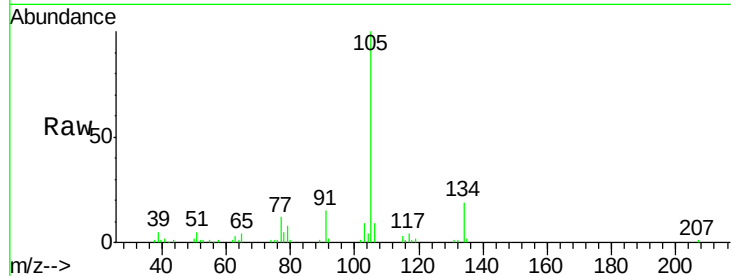
134 19.7 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 5.525 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

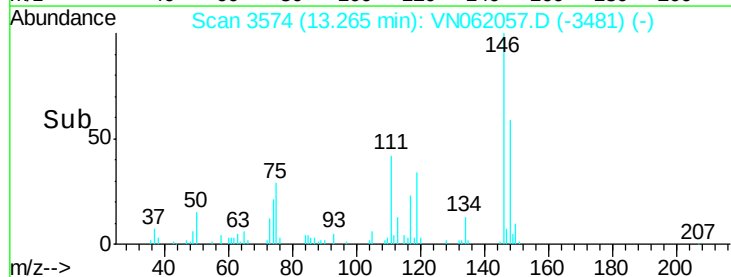
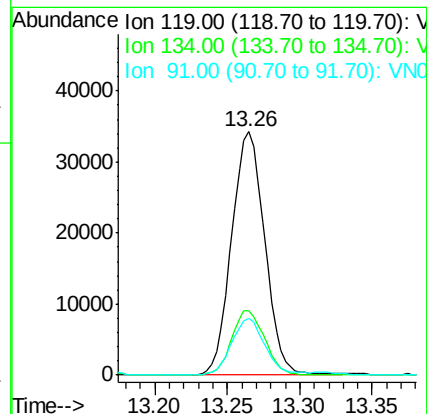
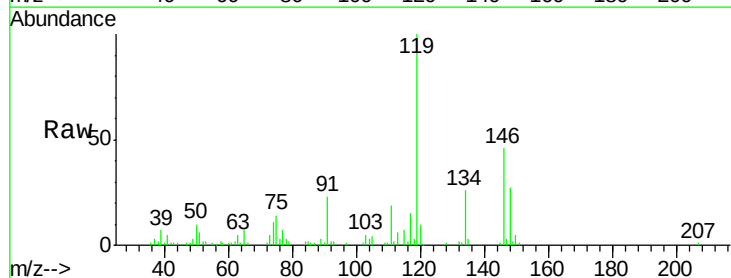
Tgt Ion:119 Resp: 54521

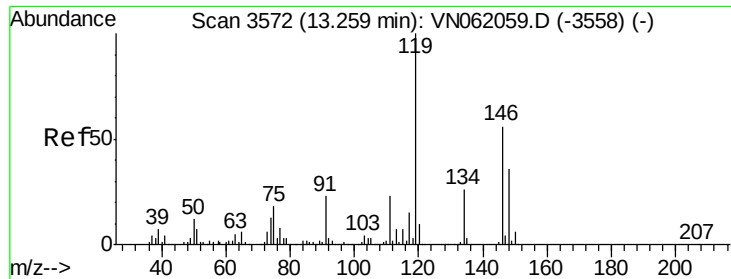
Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

91 23.6 11.3 33.8





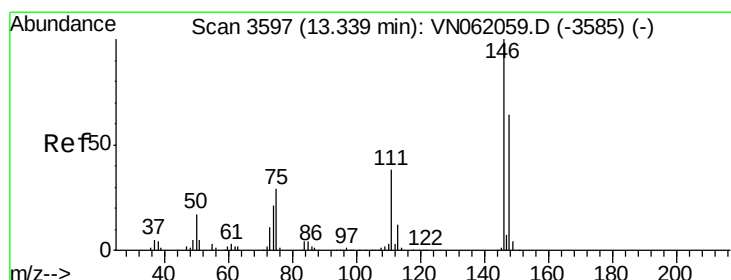
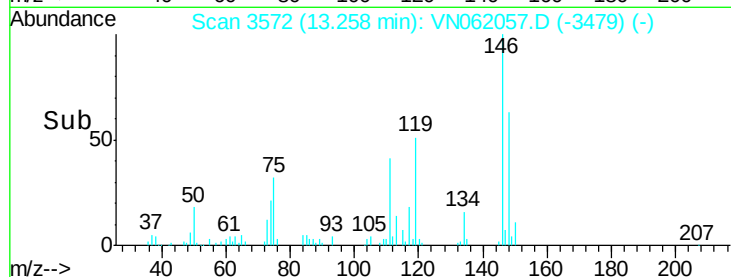
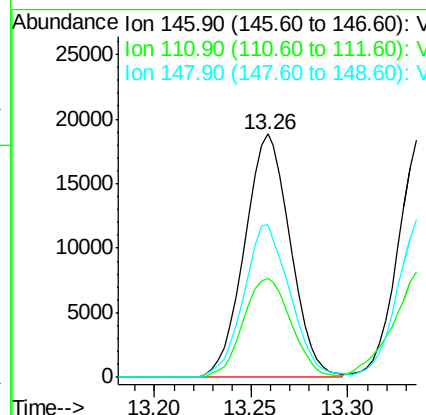
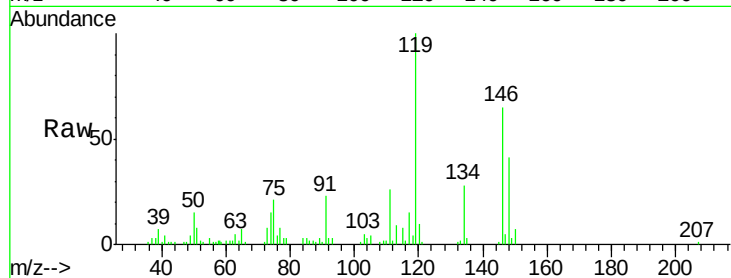
#87
 1,3-Dichlorobenzene
 Concen: 5.605 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.3	61.0
148	63.9	31.8	95.3

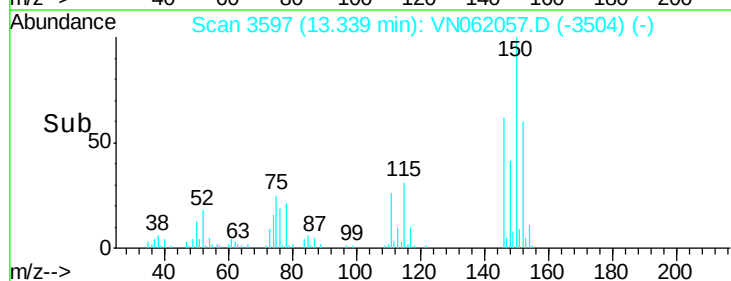
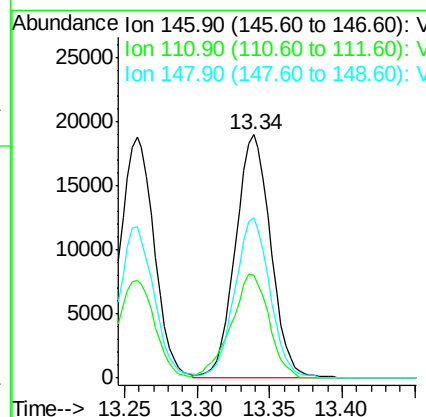
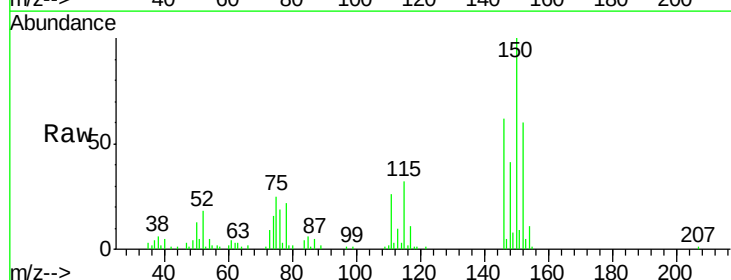
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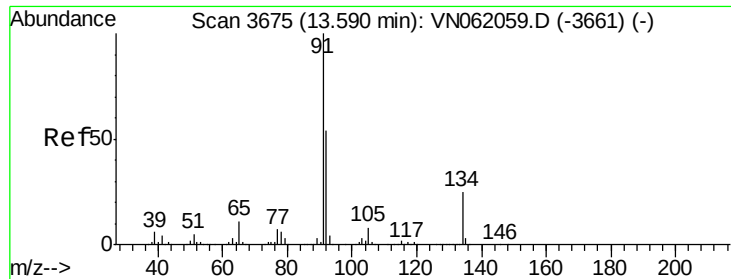
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#88
 1,4-Dichlorobenzene
 Concen: 5.701 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.9	19.9	59.6
148	65.7	31.9	95.9





#89

n-Butylbenzene

Concen: 5.097 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Instrument :

MSVOA_N

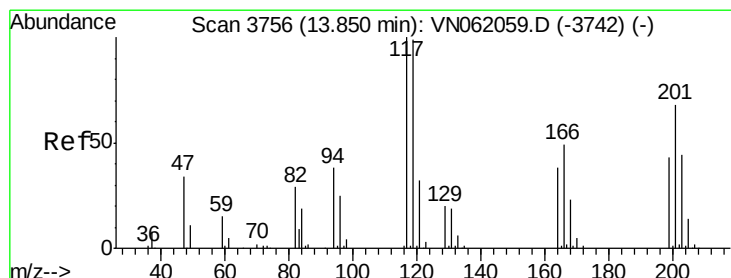
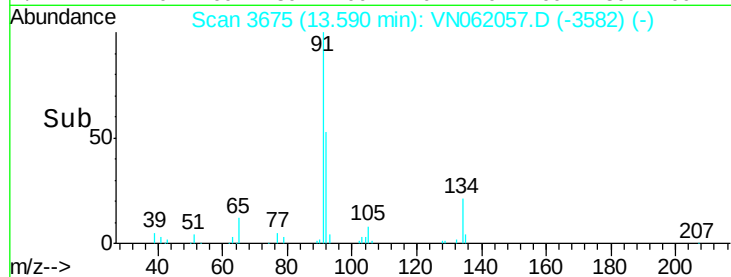
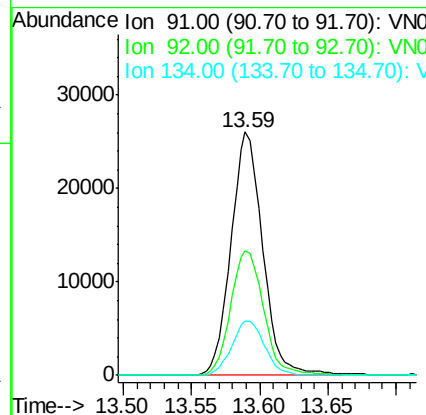
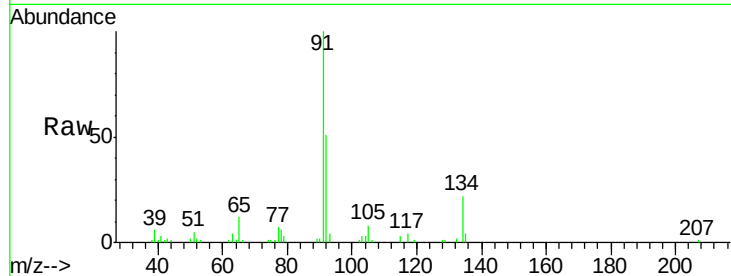
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	42178
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.7
134	22.9	12.3	36.9

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#90

Hexachloroethane

Concen: 6.302 ug/l

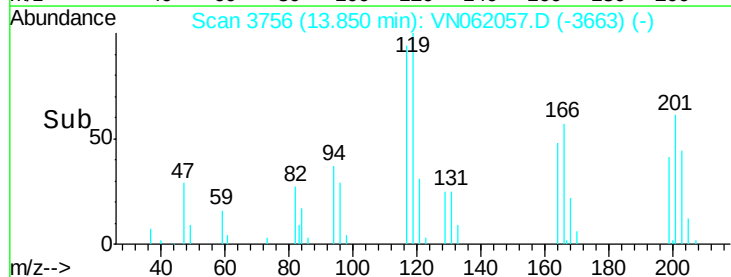
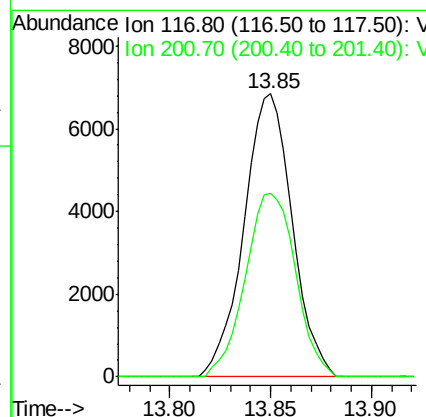
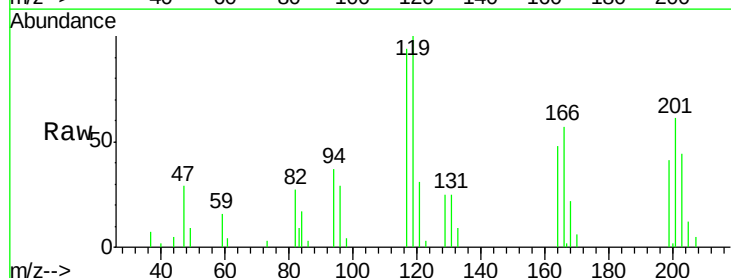
RT: 13.85 min Scan# 3756

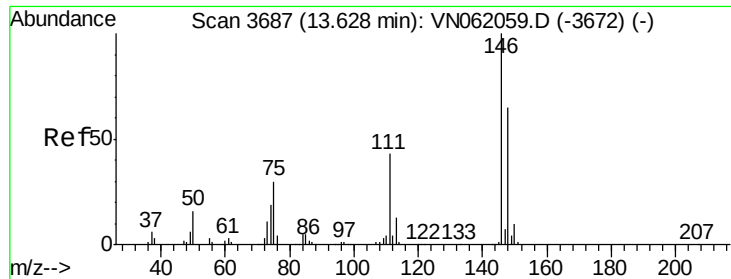
Delta R.T. -0.00 min

Lab File: VN062057.D

Acq: 24 Jun 2020 10:06

Tgt Ion:	117	Resp:	11467
Ion	Ratio	Lower	Upper
117	100		
201	67.6	32.7	98.1





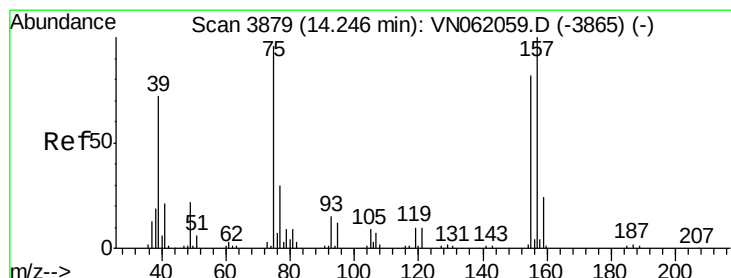
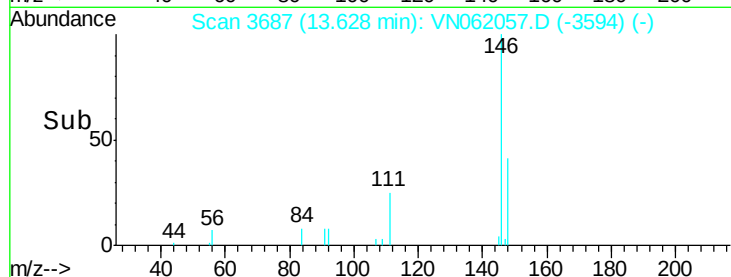
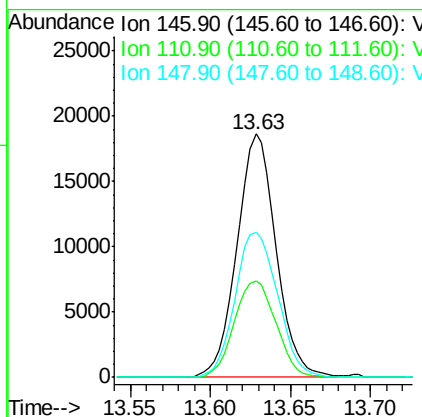
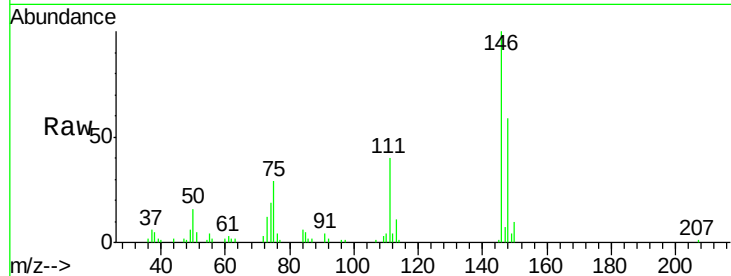
#91
 1,2-Dichlorobenzene
 Concen: 5.836 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	64.8	31.9	95.5

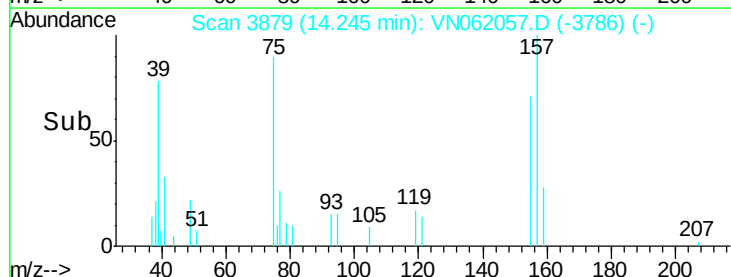
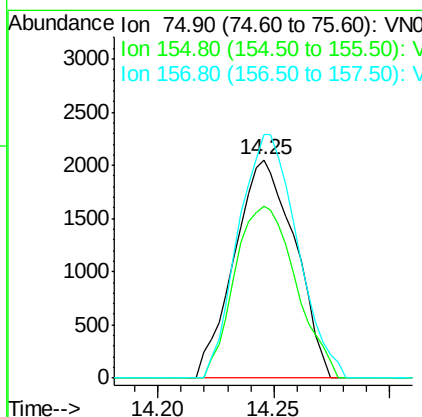
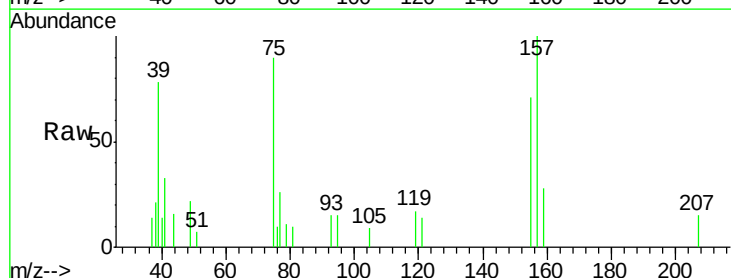
Manual Integrations
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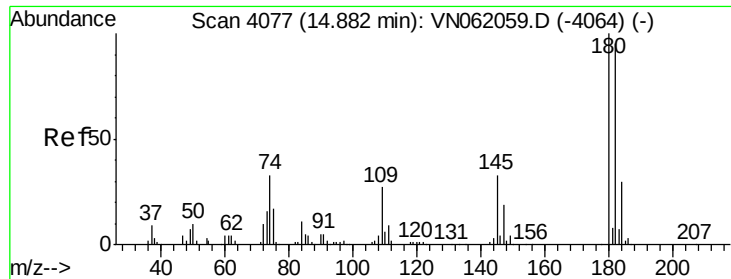
MMDadoda
 6/25/2020 6:10:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.761 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	40.8	122.4
157	108.8	51.4	154.3





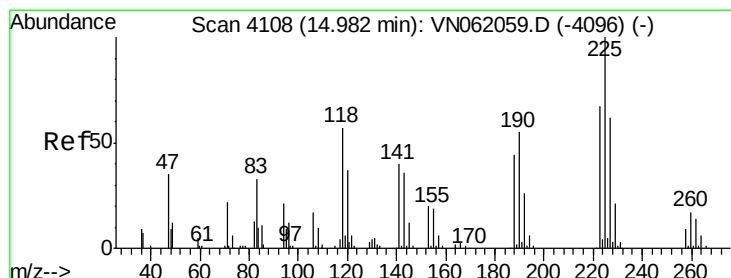
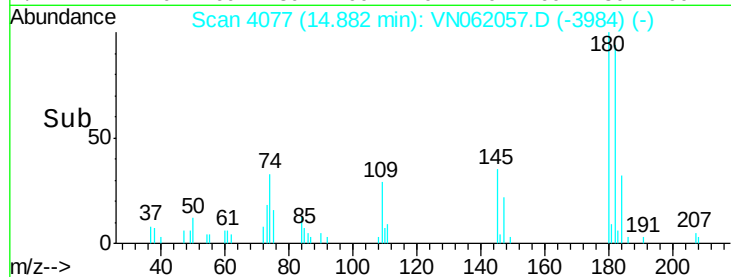
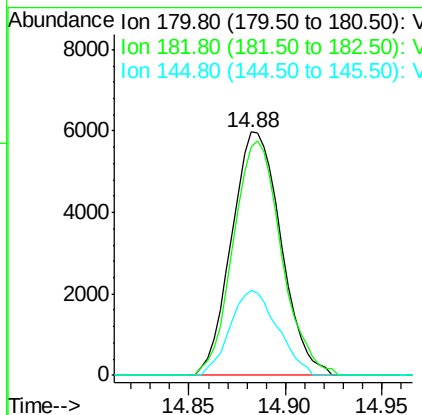
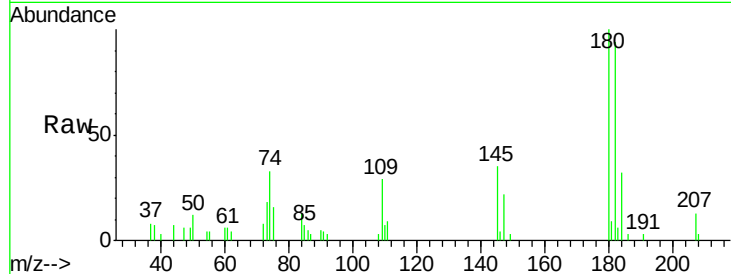
#93
 1,2,4-Trichlorobenzene
 Concen: 4.271 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.0	144.2
145	33.3	16.0	48.0

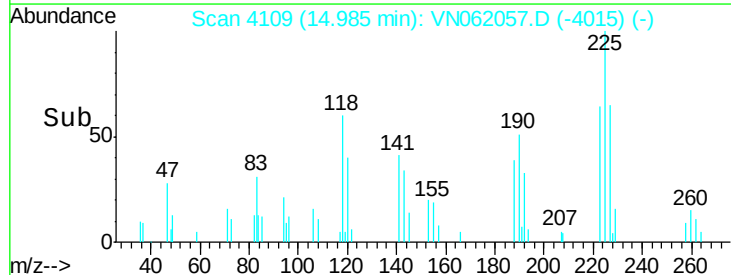
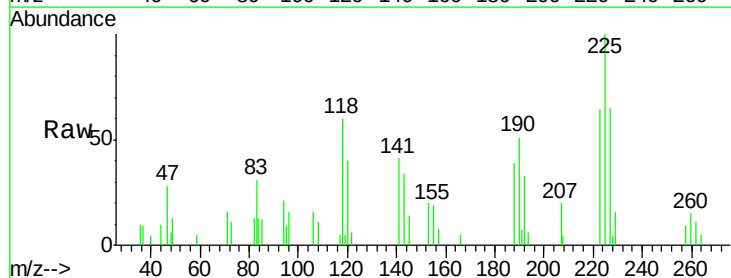
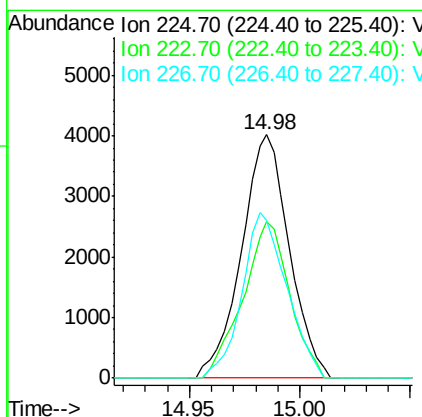
Manual Integrations
 APPROVED

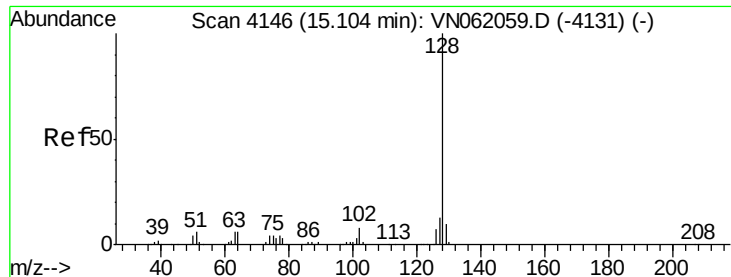
MMDadoda
 6/25/2020 6:10:03 PM



#94
 Hexachlorobutadiene
 Concen: 6.133 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062057.D
 Acq: 24 Jun 2020 10:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.9	98.7
227	63.3	31.3	93.8





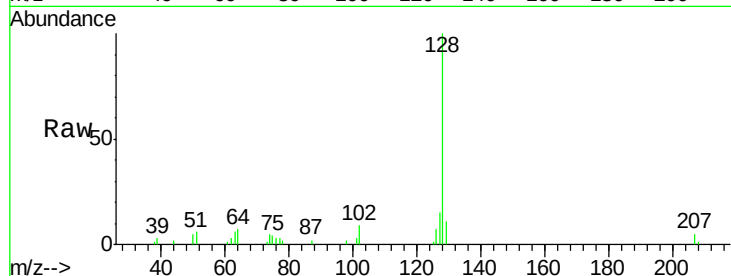
#95
Naphthalene
Concen: 3.690 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.5	15.7
129	10.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/25/2020 6:10:03 PM

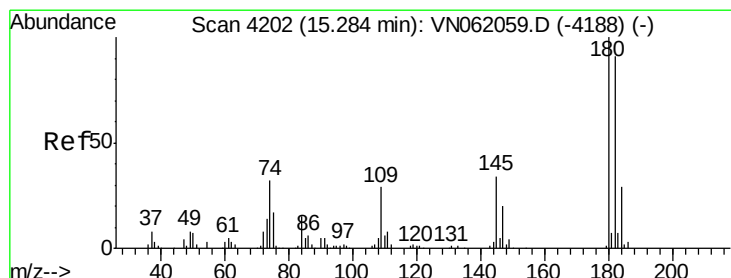
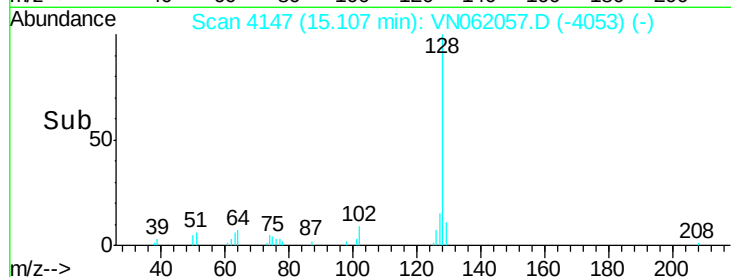
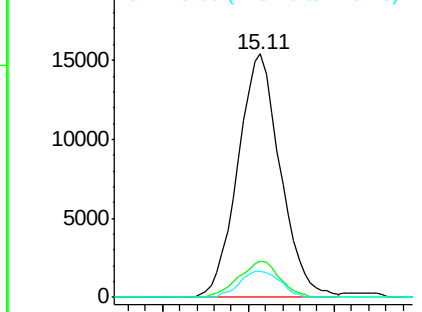


Abundance

Ion 128.00 (127.70 to 128.70): V

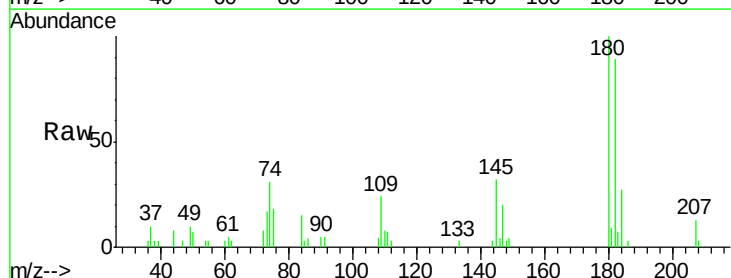
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.515 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062057.D
Acq: 24 Jun 2020 10:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.5	46.8	140.4
145	33.5	16.4	49.2



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

