

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062505.D
 Acq On : 10 Jul 2020 20:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 11:19:40 AM

Quant Time: Jul 11 03:17:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	212957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	364567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	338041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	158886	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	157464	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
35) Dibromofluoromethane	7.55	113	112709	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.06	98	446728	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.38	95	168282	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	95534	44.042	ug/l	97
3) Chloromethane	2.03	50	144214	41.434	ug/l	100
4) Vinyl Chloride	2.16	62	124625	43.704	ug/l	99
5) Bromomethane	2.51	94	56666	37.001	ug/l	99
6) Chloroethane	2.66	64	74381	44.785	ug/l	94
7) Trichlorofluoromethane	2.98	101	167717	46.310	ug/l	97
8) Diethyl Ether	3.37	74	76985	47.538	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	104102	48.490	ug/l	99
10) Methyl Iodide	3.91	142	121266	42.778	ug/l	99
11) Tert butyl alcohol	4.74	59	133712	246.085	ug/l	99
12) 1,1-Dichloroethene	3.69	96	102014	46.672	ug/l	100
13) Acrolein	3.56	56	107392	273.983	ug/l	99
14) Allyl chloride	4.27	41	231301	44.994	ug/l	98
15) Acrylonitrile	4.93	53	350096	245.674	ug/l	99
16) Acetone	3.78	43	280796	201.916	ug/l	98
17) Carbon Disulfide	4.00	76	291398	42.545	ug/l	98
18) Methyl Acetate	4.28	43	163592	47.138	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	399095	48.159	ug/l	100
20) Methylene Chloride	4.50	84	130626	43.932	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	111002	46.876	ug/l	96
22) Diisopropyl ether	5.91	45	478262	47.090	ug/l	95
23) Vinyl Acetate	5.84	43	1997651	237.437	ug/l	100
24) 1,1-Dichloroethane	5.80	63	247108	47.084	ug/l	100
25) 2-Butanone	6.79	43	468007	230.436	ug/l	99
26) 2,2-Dichloropropane	6.77	77	174500	43.364	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	133078	48.519	ug/l	96
28) Bromochloromethane	7.15	49	130886	45.904	ug/l	97
29) Tetrahydrofuran	7.17	42	320717	234.553	ug/l	99
30) Chloroform	7.33	83	228204	48.158	ug/l	100
31) Cyclohexane	7.61	56	216329	43.480	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	187869	47.663	ug/l	98
36) 1,1-Dichloropropene	7.75	75	171828	46.782	ug/l	99
37) Ethyl Acetate	6.88	43	200848	46.765	ug/l	99
38) Carbon Tetrachloride	7.73	117	159675	48.355	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	189469	48.318	ug/l	100
40) Benzene	8.00	78	526594	48.646	ug/l	100
41) Methacrylonitrile	7.12	41	91598	51.046	ug/l	97
42) 1,2-Dichloroethane	8.09	62	191923	48.420	ug/l	99
43) Isopropyl Acetate	8.13	43	333168	49.106	ug/l	98
44) Trichloroethene	8.80	130	116596	48.546	ug/l	98
45) 1,2-Dichloropropane	9.09	63	153739	48.923	ug/l	100
46) Dibromomethane	9.18	93	85699	48.326	ug/l	99
47) Bromodichloromethane	9.37	83	187556	49.469	ug/l	99
48) Methyl methacrylate	9.17	41	160860	48.334	ug/l	97
49) 1,4-Dioxane	9.17	88	49457	1020.980	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1016046	250.731	ug/l	99
52) Toluene	10.12	92	311410	49.804	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	210747	49.615	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	226979	48.431	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	124961	50.814	ug/l	99
56) Ethyl methacrylate	10.40	69	217251	48.071	ug/l	97
57) 1,3-Dichloropropane	10.68	76	228499	50.293	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	387362	265.507	ug/l	98
59) 2-Hexanone	10.72	43	742405	252.357	ug/l	98
60) Dibromochloromethane	10.87	129	136681	51.260	ug/l	99
61) 1,2-Dibromoethane	10.98	107	126025	50.766	ug/l	99
64) Tetrachloroethene	10.60	164	96055	47.886	ug/l	98
65) Chlorobenzene	11.41	112	327819	49.897	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	120669	49.806	ug/l	99
67) Ethyl Benzene	11.48	91	615009	49.870	ug/l	99
68) m/p-Xylenes	11.59	106	440942	101.001	ug/l	99
69) o-Xylene	11.92	106	217544	51.179	ug/l	99
70) Styrene	11.94	104	374332	53.285	ug/l	99
71) Bromoform	12.10	173	94287	53.087	ug/l #	99
73) Isopropylbenzene	12.22	105	583483	47.457	ug/l	100
74) N-amyl acetate	12.04	43	310711	51.921	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	198986	48.134	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	191541m	49.132	ug/l	
77) Bromobenzene	12.50	156	159886	57.201	ug/l	73
78) n-propylbenzene	12.57	91	695091	48.399	ug/l	100
79) 2-Chlorotoluene	12.65	91	414128	47.510	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	502757	49.881	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	63466	43.573	ug/l	100
82) 4-Chlorotoluene	12.75	91	434105	49.056	ug/l	100
83) tert-Butylbenzene	12.97	119	416492	48.693	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	499209	49.829	ug/l	99
85) sec-Butylbenzene	13.15	105	558761	49.299	ug/l	100
86) p-Isopropyltoluene	13.26	119	499459	51.057	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	242715	50.335	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	241347	48.643	ug/l	99
89) n-Butylbenzene	13.59	91	449669	52.060	ug/l	99
90) Hexachloroethane	13.85	117	94505	49.111	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	237142	50.864	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	39585	52.471	ug/l	98

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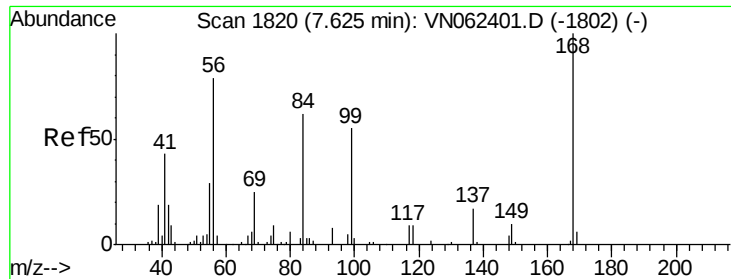
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	133233	51.975	ug/l	100
94) Hexachlorobutadiene	14.98	225	62924	50.832	ug/l	99
95) Naphthalene	15.10	128	437267	68.505	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	132492	52.598	ug/l	99

(#) = 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: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 212957

Ion Ratio Lower Upper

168 100

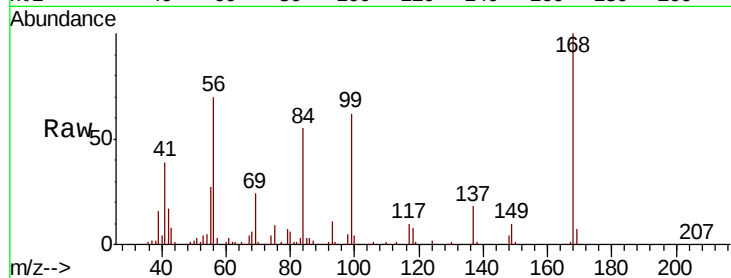
99 62.0 48.8 73.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

40000

20000

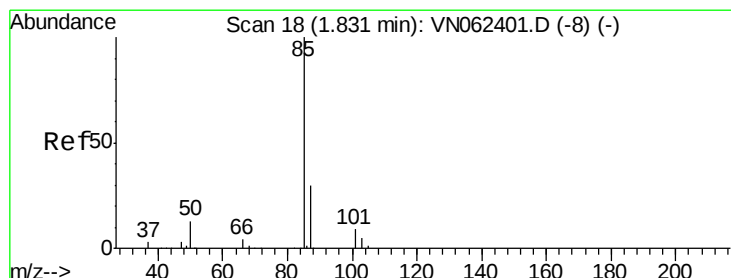
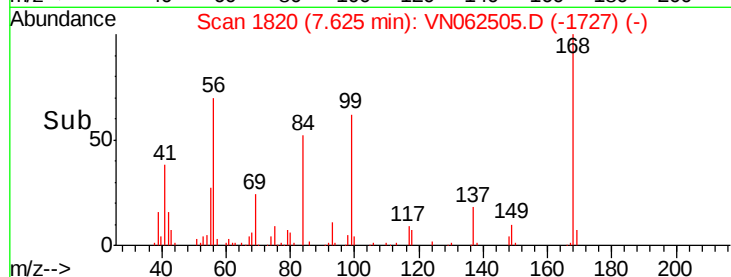
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.042 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062505.D

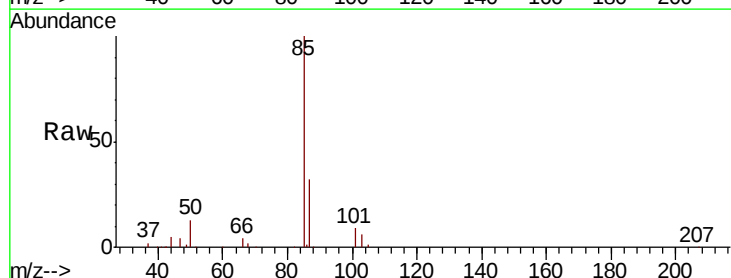
Acq: 10 Jul 2020 20:22

Tgt Ion: 85 Resp: 95534

Ion Ratio Lower Upper

85 100

87 32.1 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

40000

20000

0

1.75

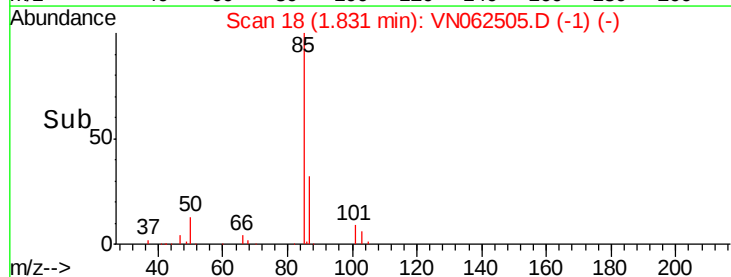
1.80

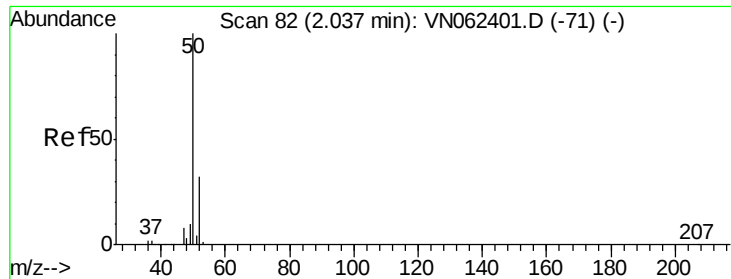
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 41.434 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 144214

Ion Ratio Lower Upper

50 100

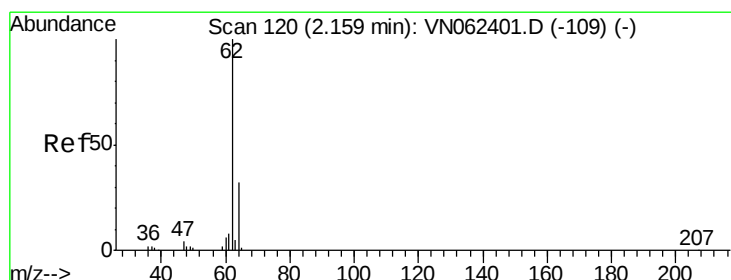
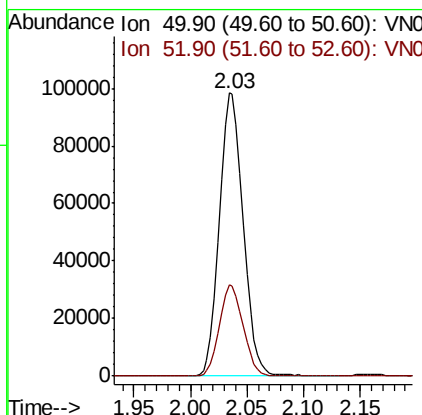
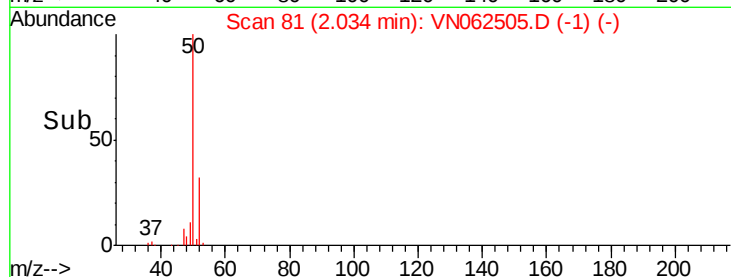
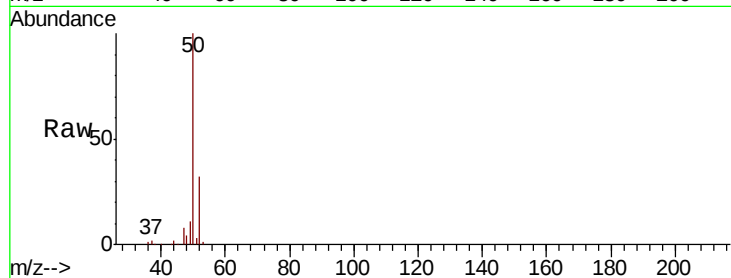
52 32.1 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.704 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062505.D

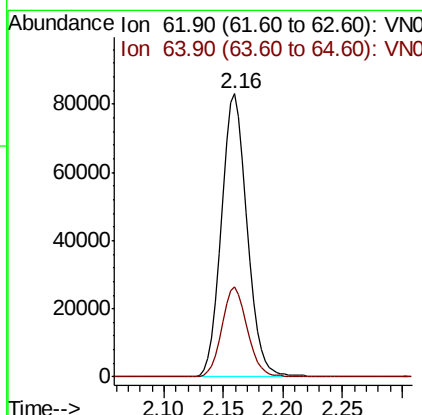
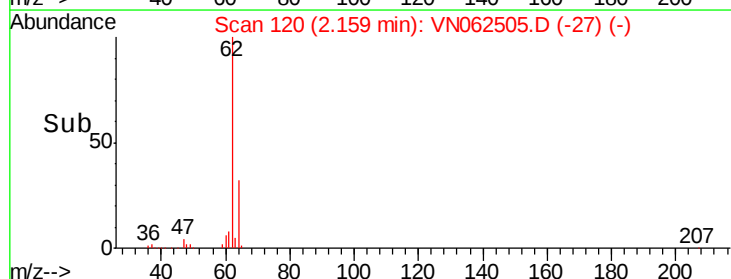
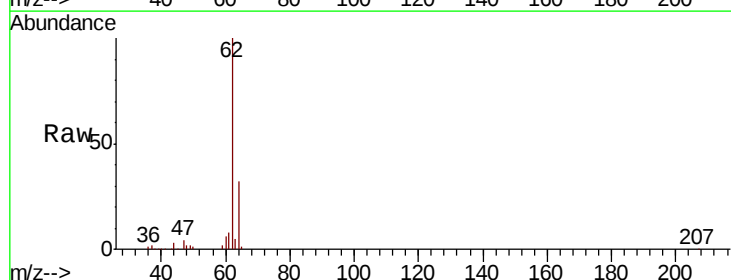
Acq: 10 Jul 2020 20:22

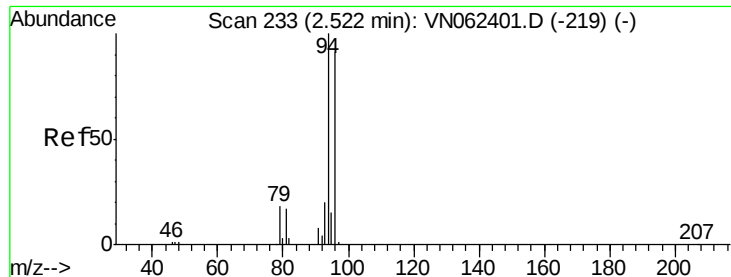
Tgt Ion: 62 Resp: 124625

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5





#5

Bromomethane

Concen: 37.001 ug/l

RT: 2.51 min Scan# 229

Delta R.T. -0.01 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 56666

Ion Ratio Lower Upper

94 100

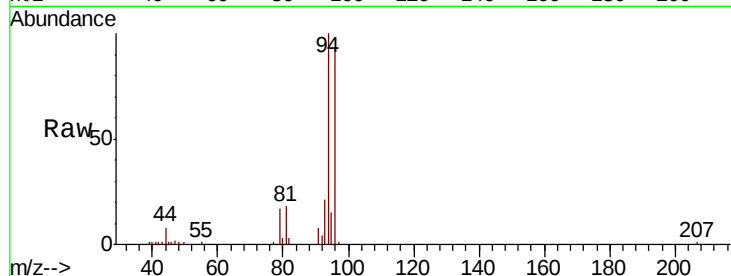
96 92.0 73.2 109.8

Manual Integrations

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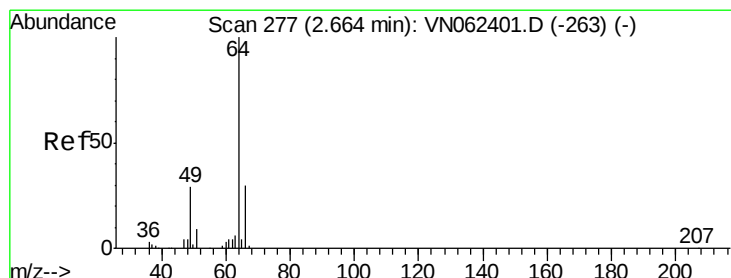
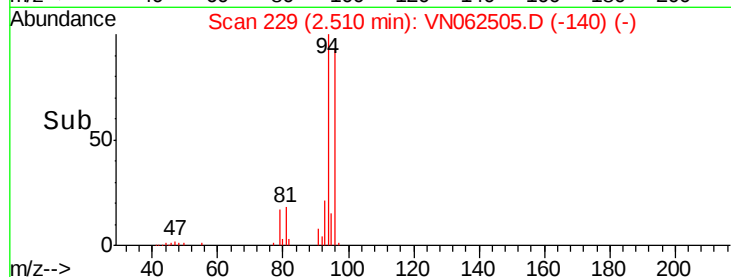
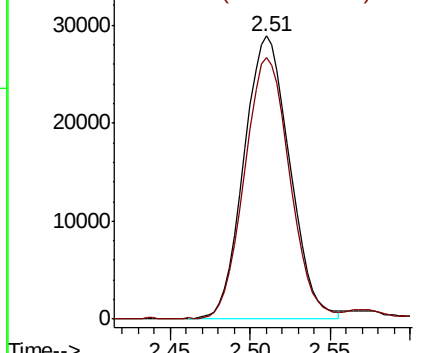
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.785 ug/l

RT: 2.66 min Scan# 275

Delta R.T. -0.01 min

Lab File: VN062505.D

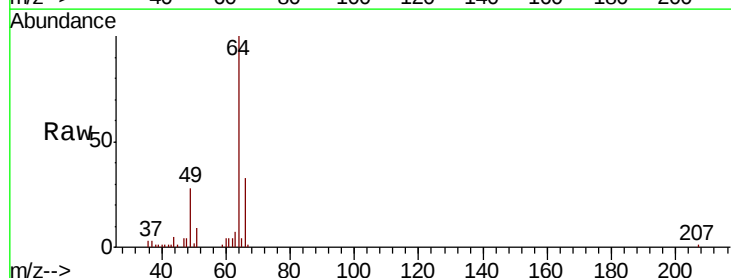
Acq: 10 Jul 2020 20:22

Tgt Ion: 64 Resp: 74381

Ion Ratio Lower Upper

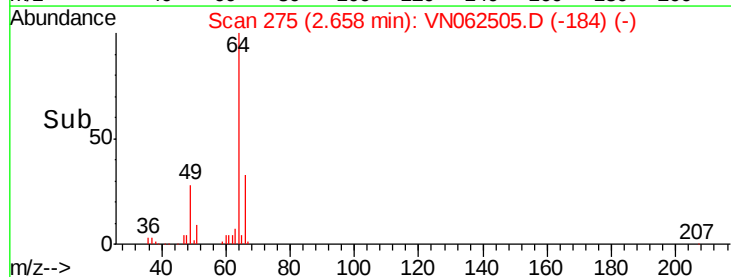
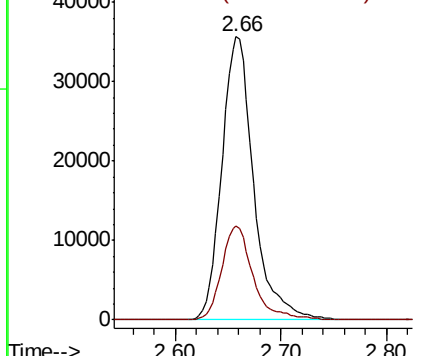
64 100

66 33.3 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

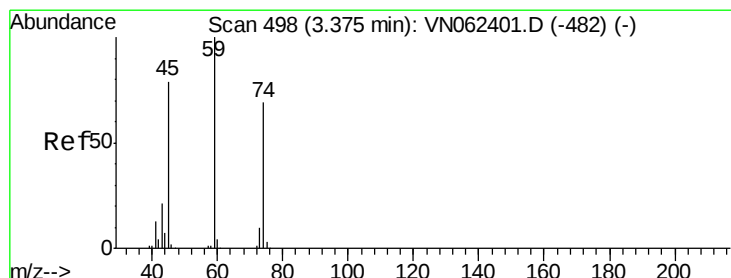
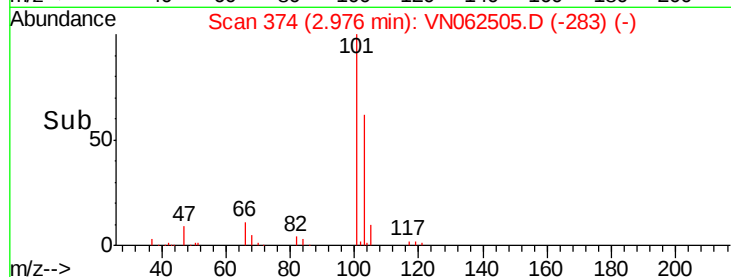
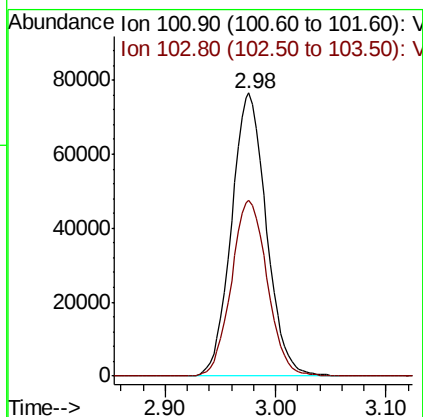
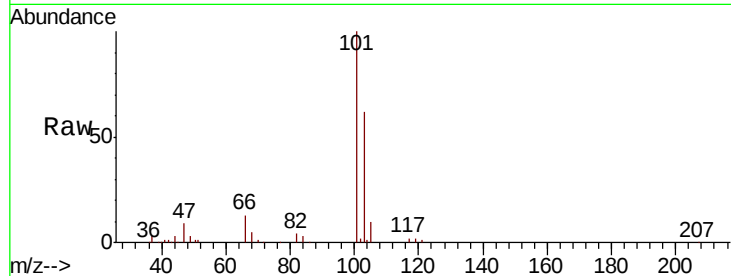
Trichlorofluoromethane
 Concen: 46.310 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.01 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.6	77.4

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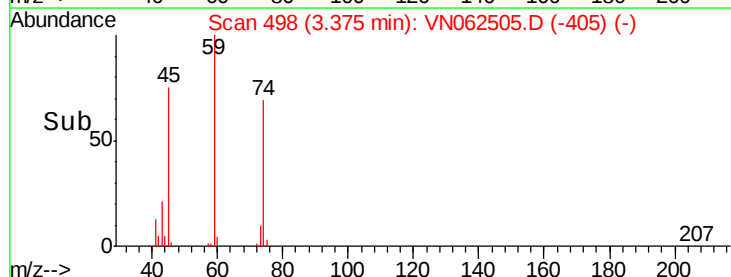
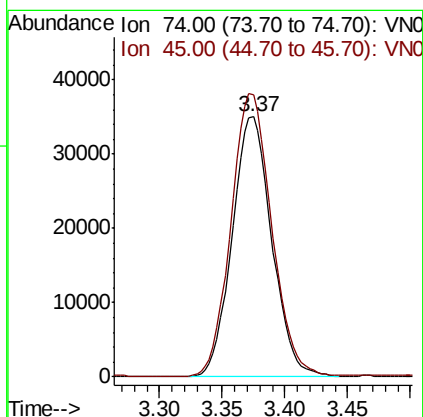
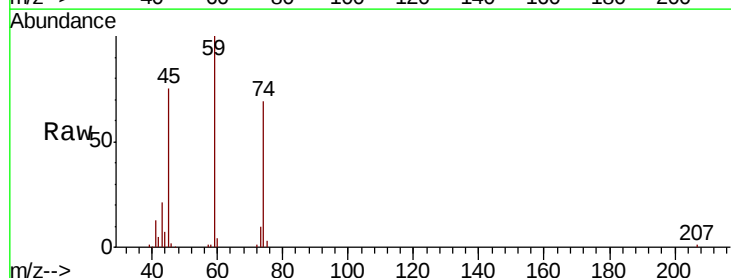
MMDadoda
 7/13/2020 11:19:40 AM

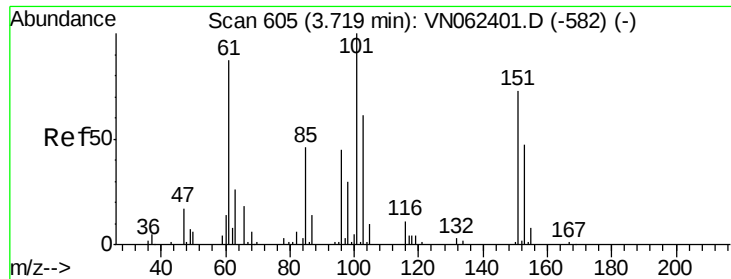


#8

Diethyl Ether
 Concen: 47.538 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.6	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.490 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

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MSVOA_N

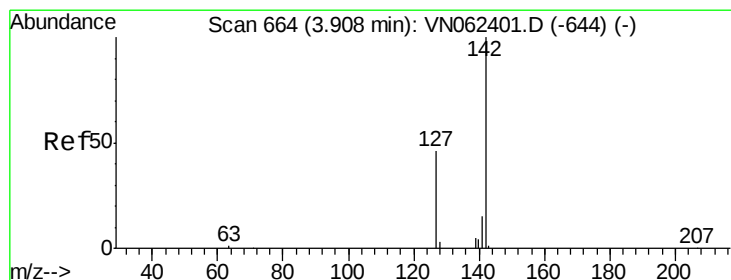
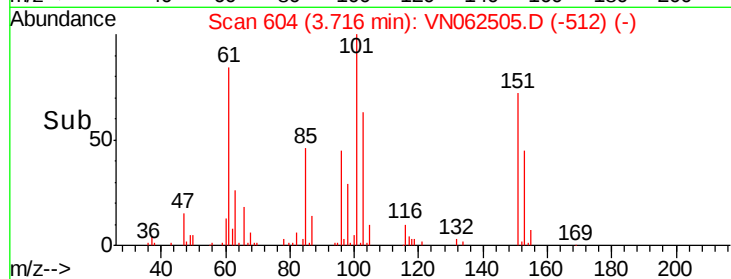
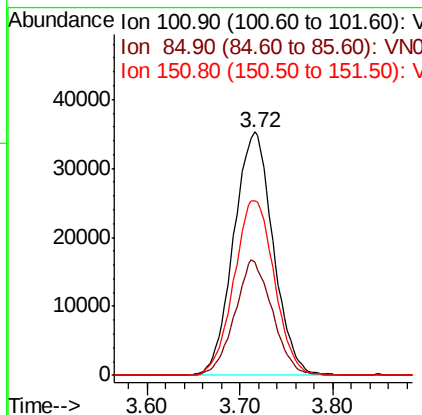
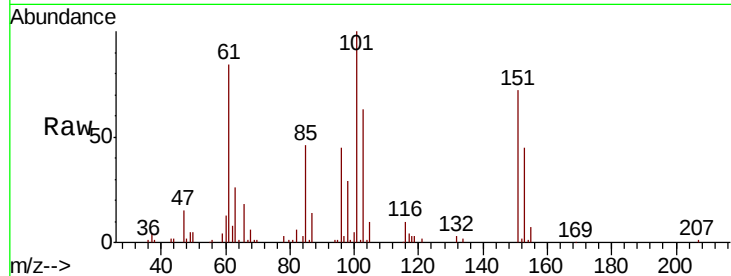
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	104102
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.7	55.1
151	73.5	58.3	87.5

Manual Integrations
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#10

Methyl Iodide

Concen: 42.778 ug/l

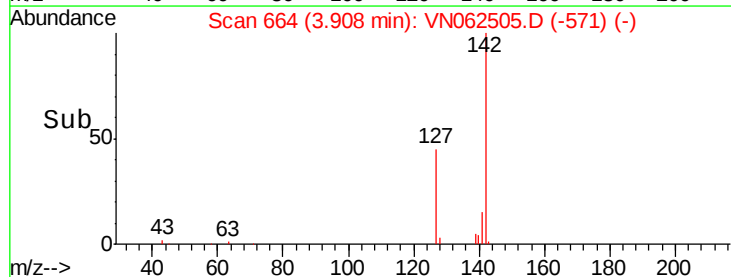
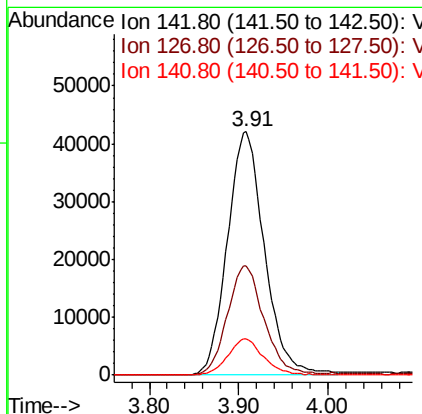
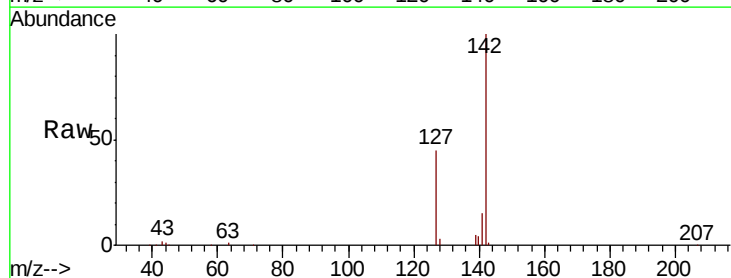
RT: 3.91 min Scan# 664

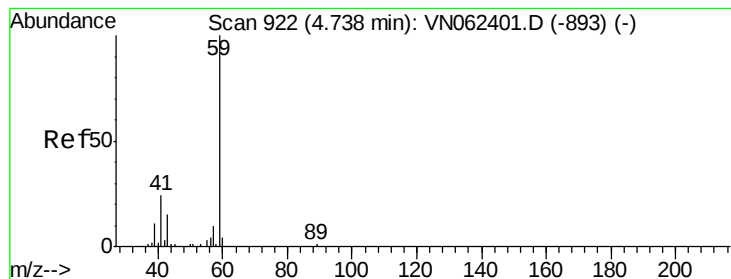
Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Tgt Ion:	142	Resp:	121266
Ion Ratio	Lower	Upper	
142	100		
127	44.3	36.1	54.1
141	14.3	11.4	17.0





#11

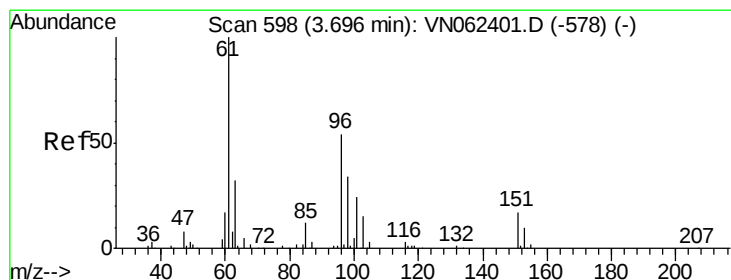
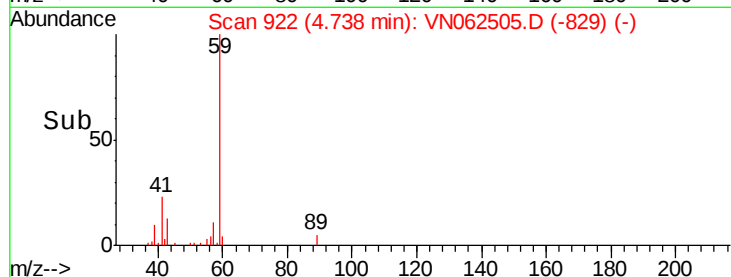
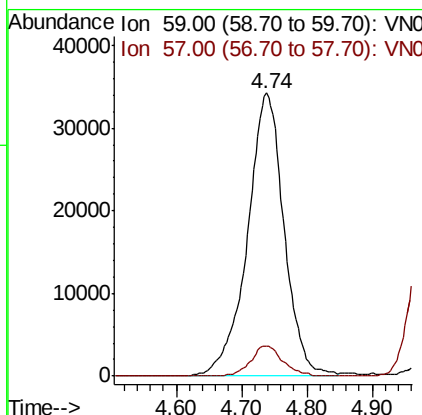
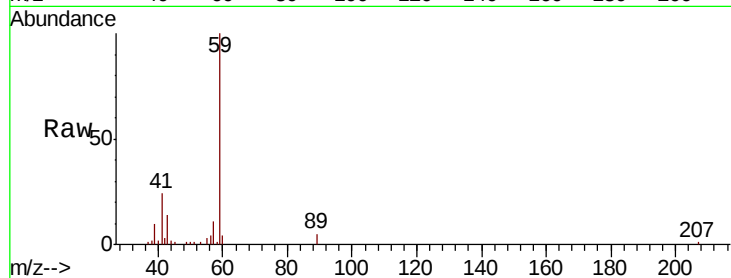
Tert butyl alcohol
Concen: 246.085 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.8	11.6

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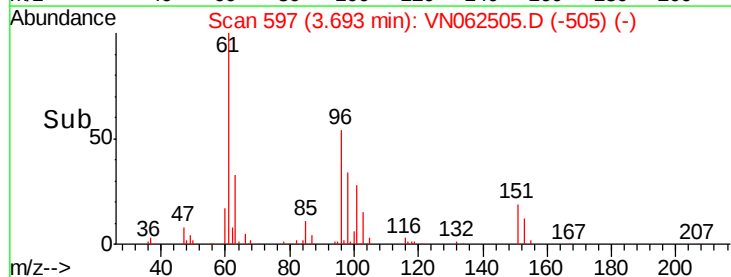
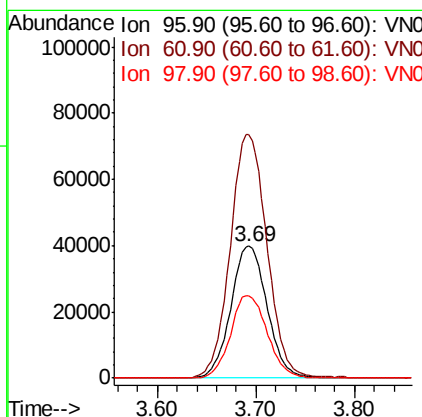
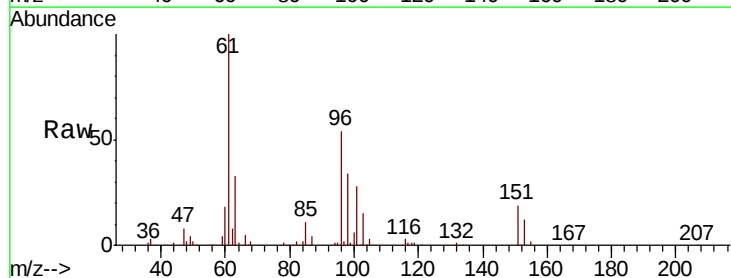
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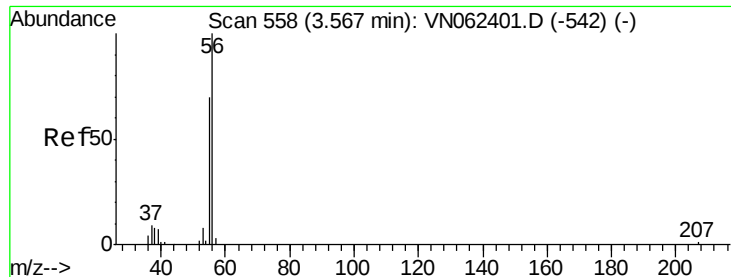


#12

1,1-Dichloroethene
Concen: 46.672 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.0	147.4	221.0
98	62.3	50.4	75.6





#13

Acrolein

Concen: 273.983 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 107392

Ion Ratio Lower Upper

56 100

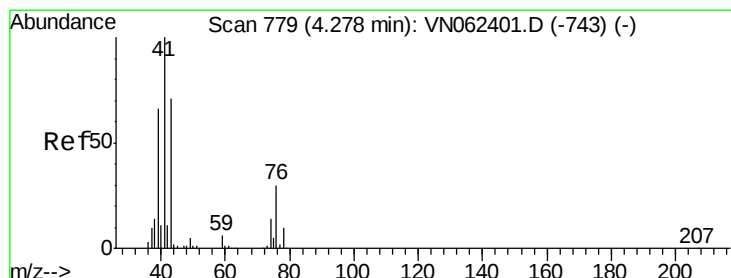
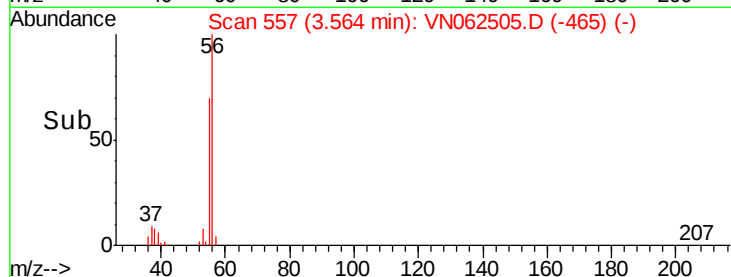
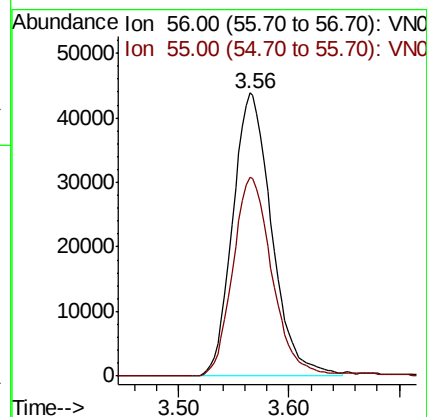
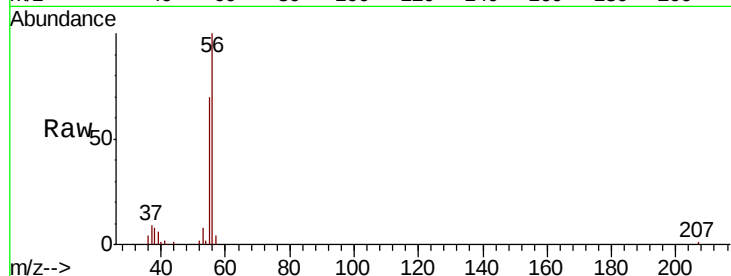
55 70.8 57.2 85.8

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#14

Allyl chloride

Concen: 44.994 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

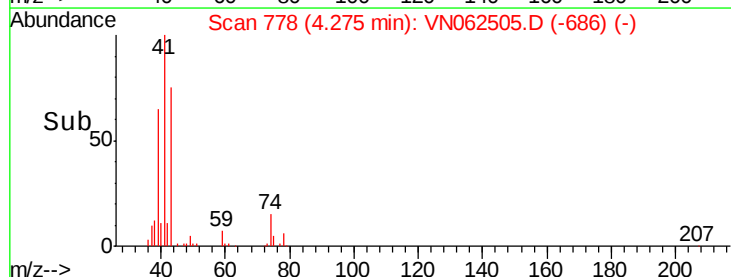
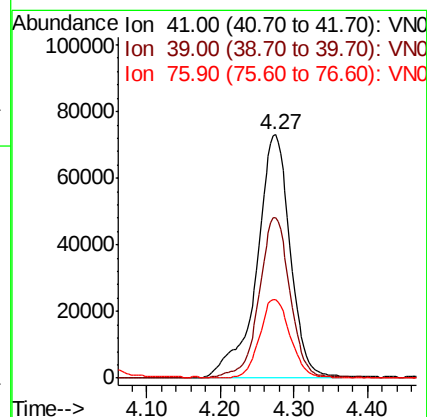
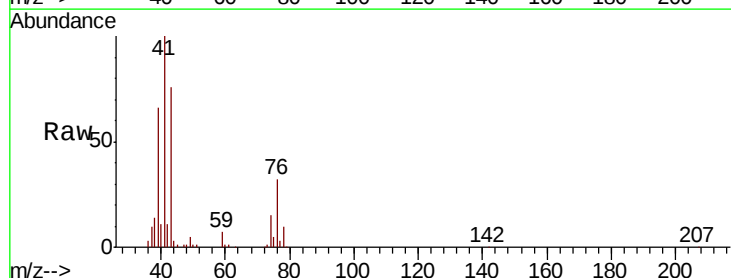
Tgt Ion: 41 Resp: 231301

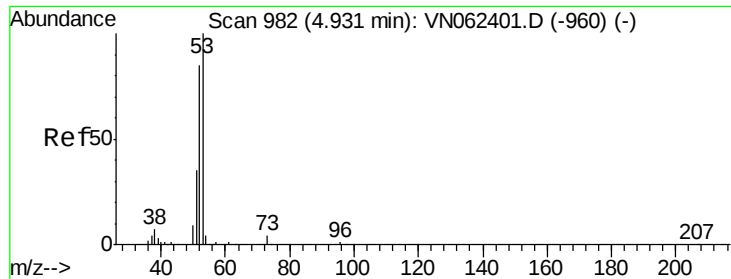
Ion Ratio Lower Upper

41 100

39 61.0 49.6 74.4

76 29.7 22.2 33.4





#15

Acrylonitrile

Concen: 245.674 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

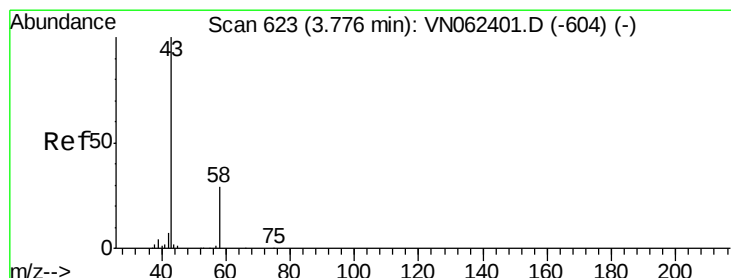
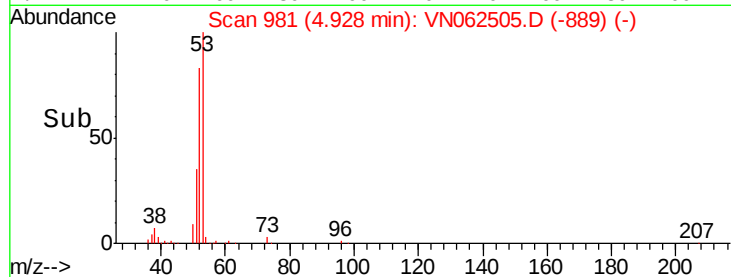
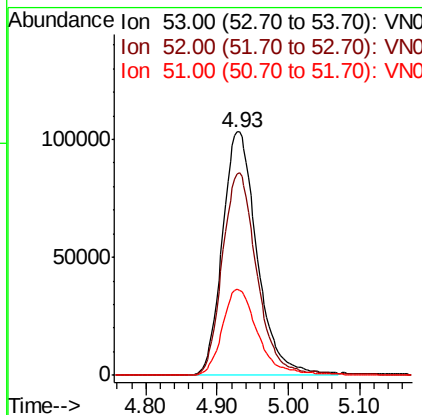
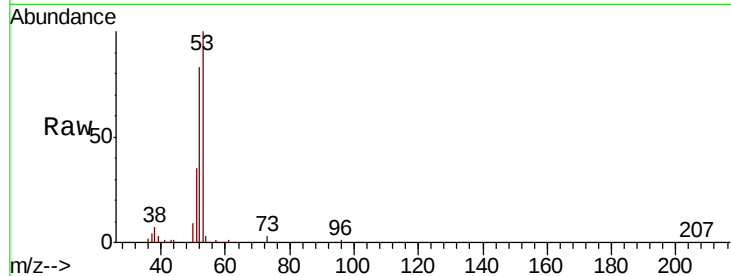
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	350096
Ion Ratio		Lower	Upper
53	100		
52	81.8	66.2	99.4
51	36.0	28.7	43.1

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#16

Acetone

Concen: 201.916 ug/l

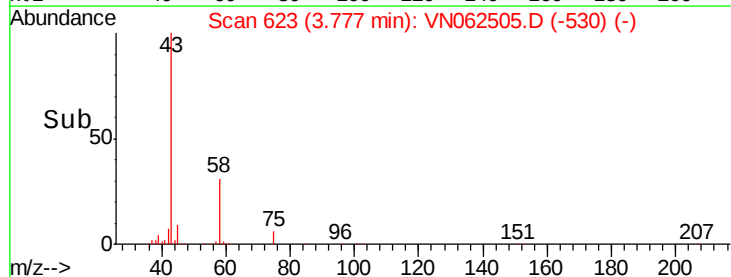
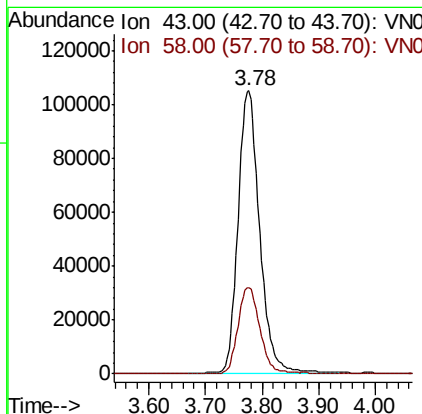
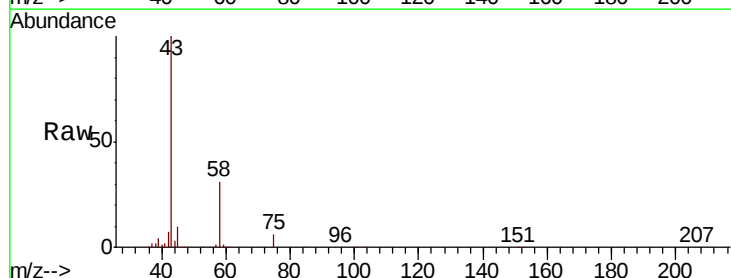
RT: 3.78 min Scan# 623

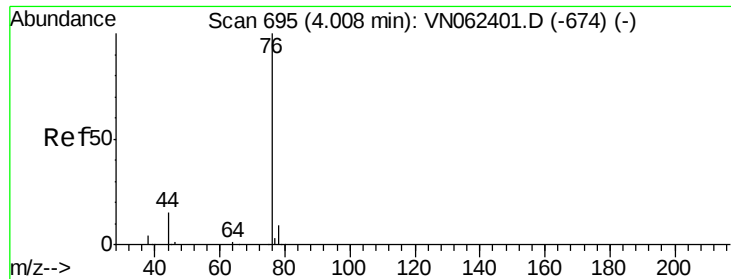
Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Tgt Ion:	43	Resp:	280796
Ion Ratio		Lower	Upper
43	100		
58	30.6	23.5	35.3





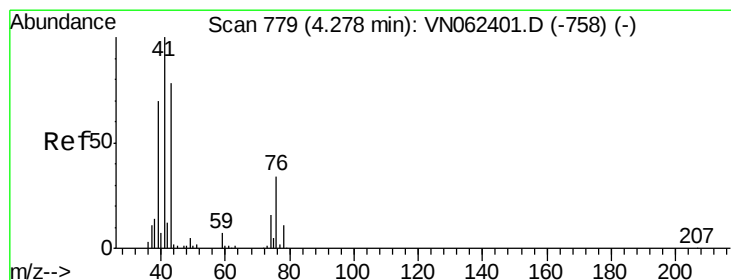
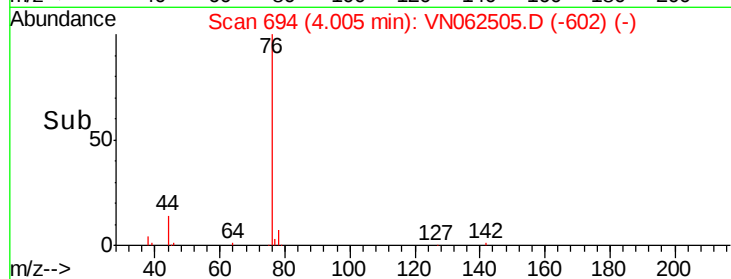
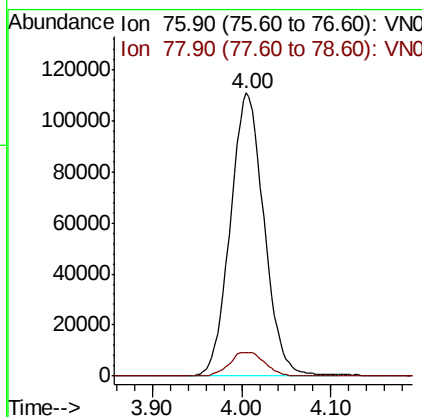
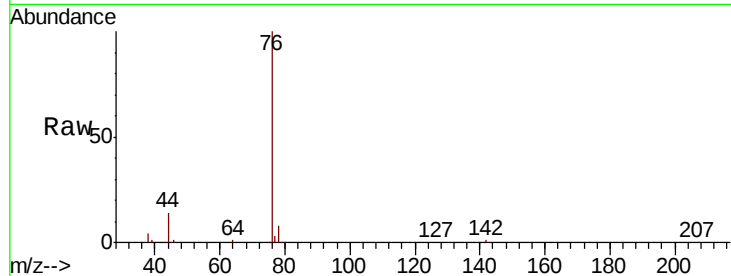
#17
Carbon Disulfide
Concen: 42.545 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.3	10.9

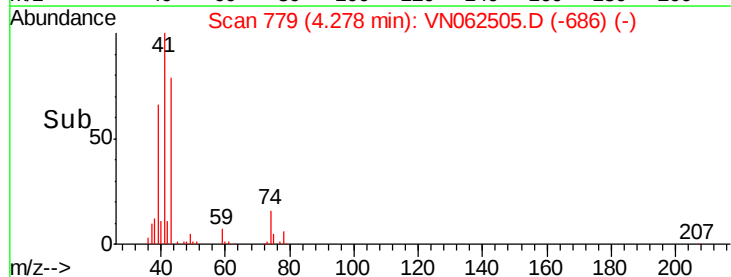
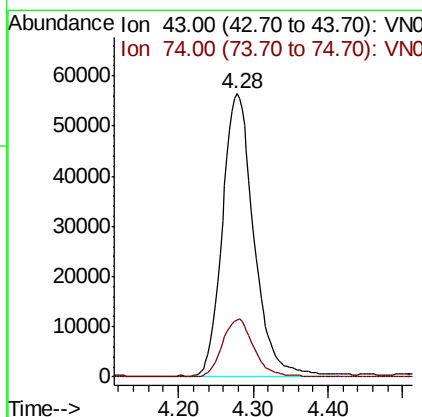
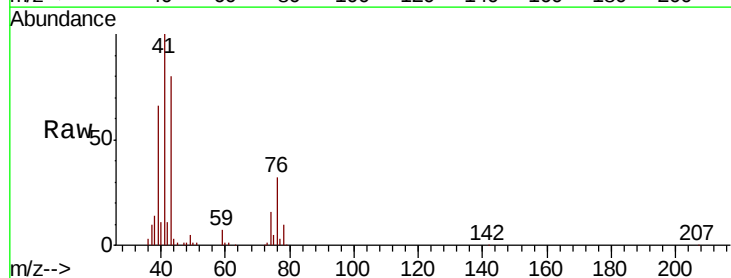
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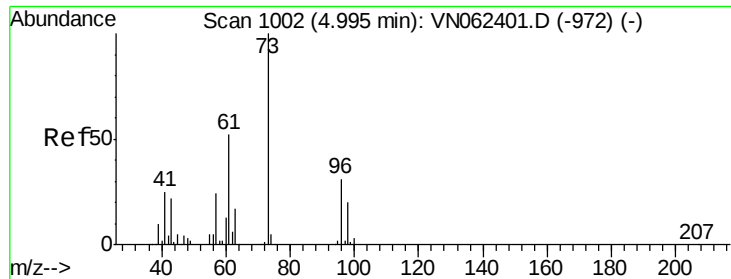
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#18
Methyl Acetate
Concen: 47.138 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.0	24.0





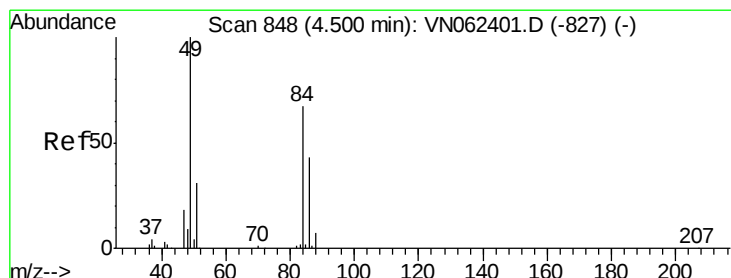
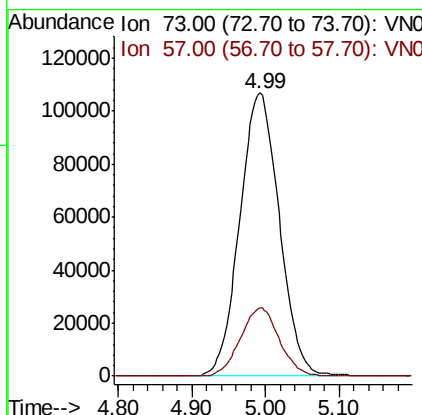
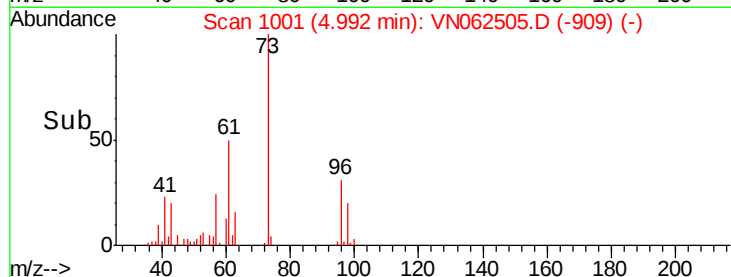
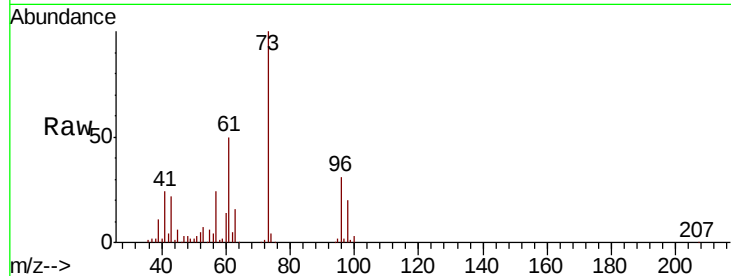
#19
Methyl tert-butyl Ether
Concen: 48.159 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 399095
Ion Ratio Lower Upper
73 100
57 24.2 19.4 29.0

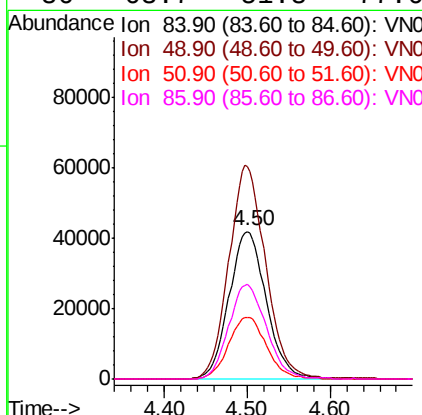
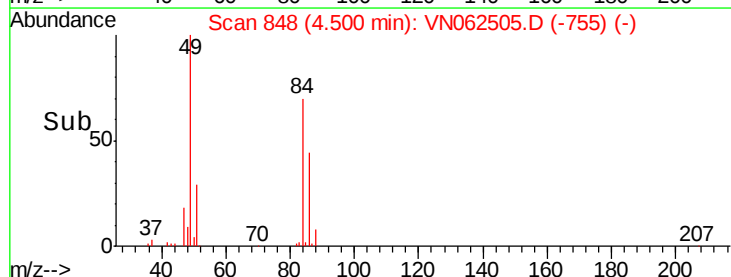
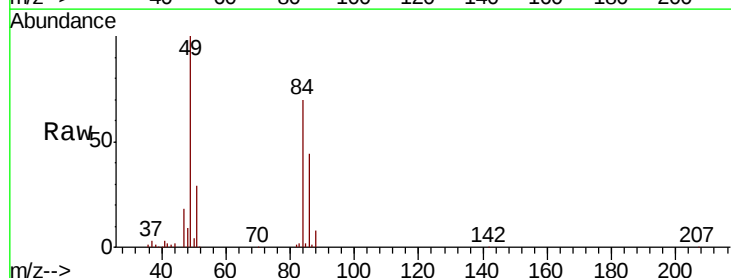
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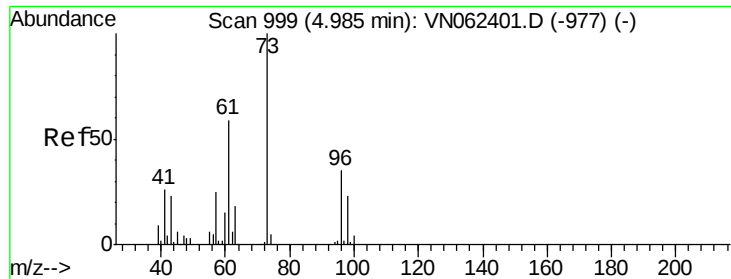
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#20
Methylene Chloride
Concen: 43.932 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion: 84 Resp: 130626
Ion Ratio Lower Upper
84 100
49 143.9 120.0 180.0
51 42.0 37.0 55.6
86 63.7 51.8 77.6





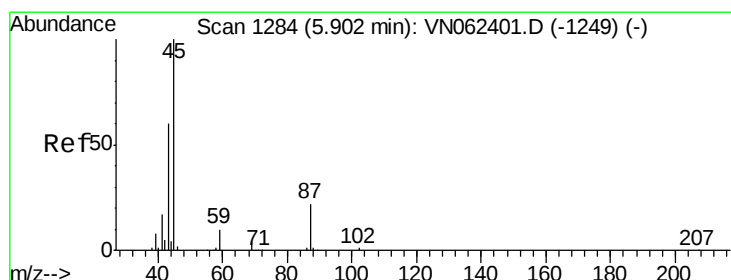
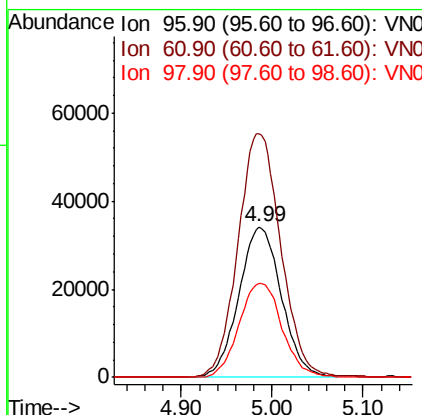
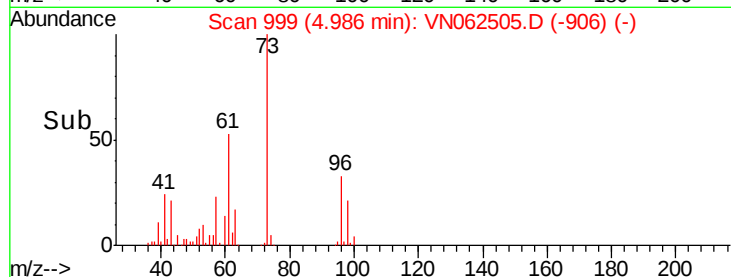
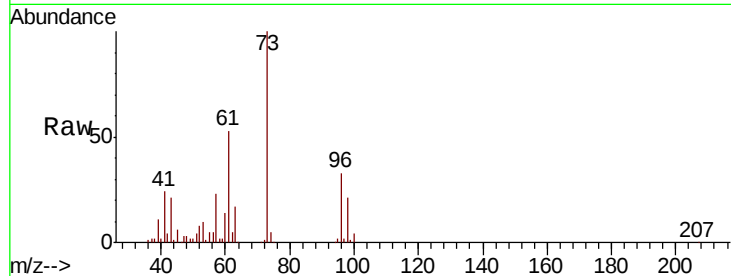
#21
trans-1,2-Dichloroethene
Concen: 46.876 ug/l
RT: 4.99 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.7	133.5	200.3
98	62.8	51.9	77.9

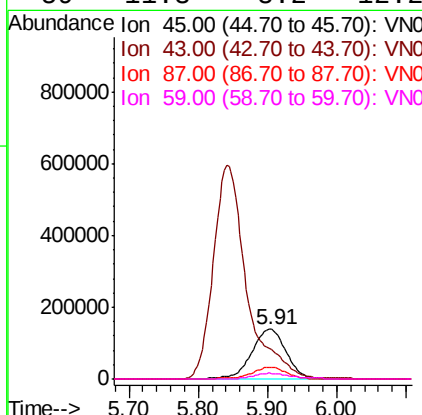
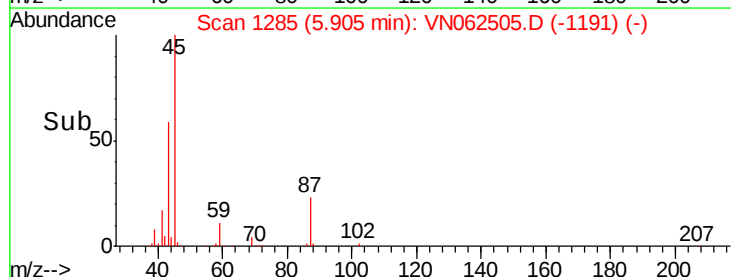
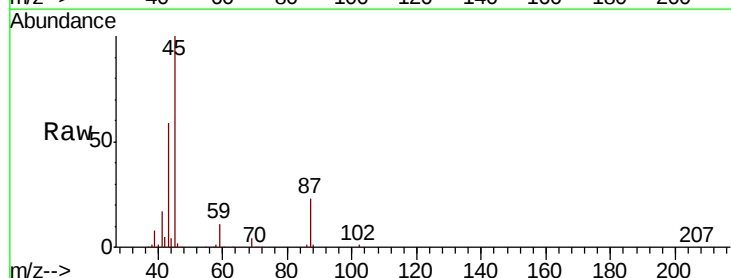
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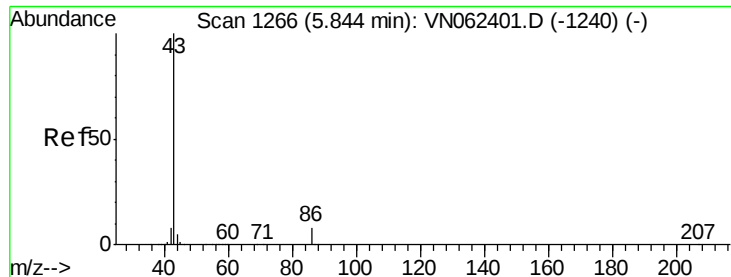
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7/13/2020 11:19:40 AM



#22
Diisopropyl ether
Concen: 47.090 ug/l
RT: 5.91 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	50.1	75.1
87	23.2	18.2	27.4
59	11.3	8.2	12.2





#23

Vinyl Acetate

Concen: 237.437 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1997651

Ion Ratio Lower Upper

43 100

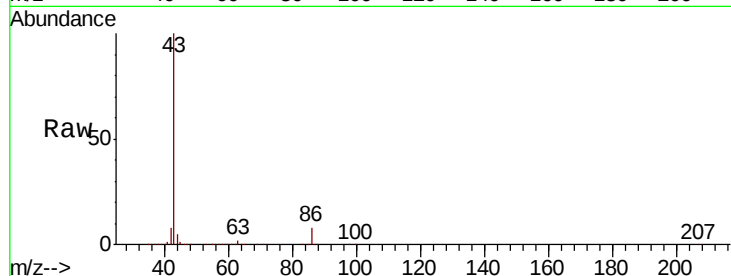
86 8.3 6.7 10.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

600000

400000

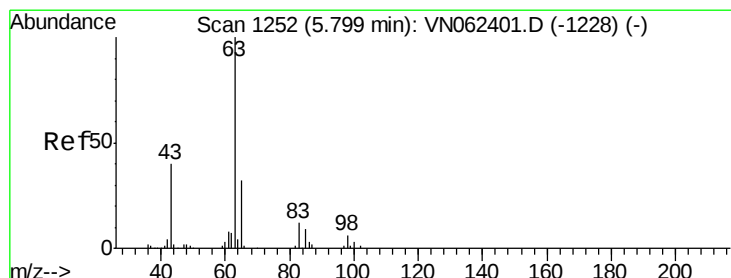
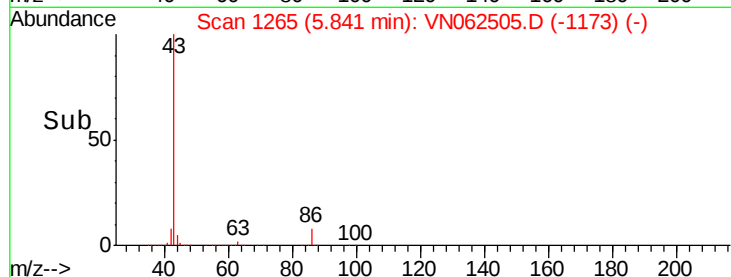
200000

0

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 47.084 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

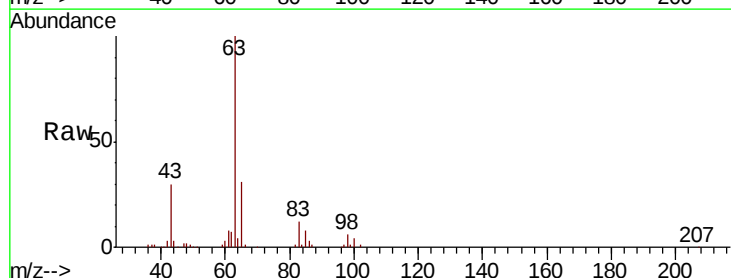
Tgt Ion: 63 Resp: 247108

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

100 3.6 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

60000

40000

20000

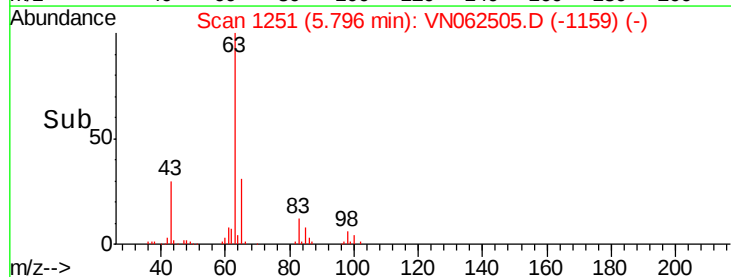
0

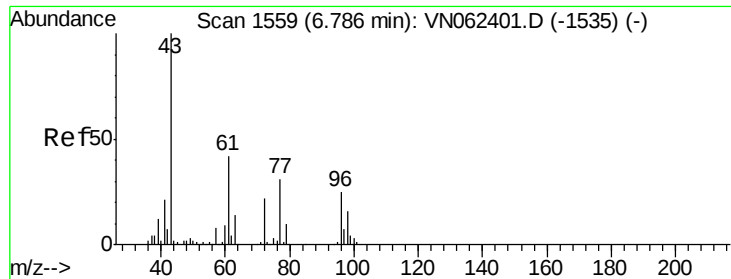
5.70

5.80

5.90

Time-->





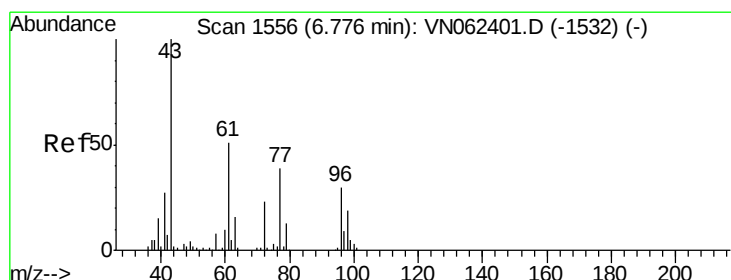
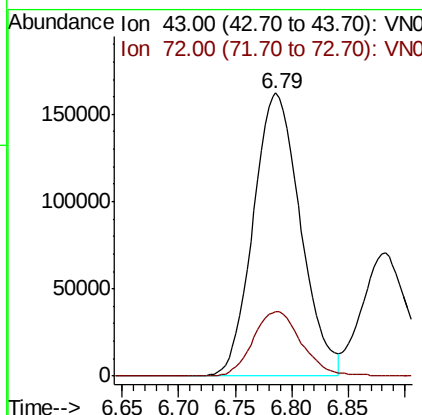
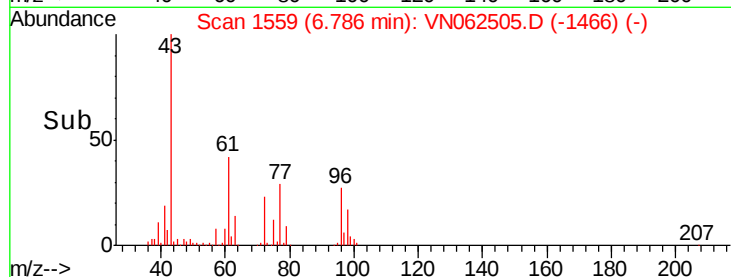
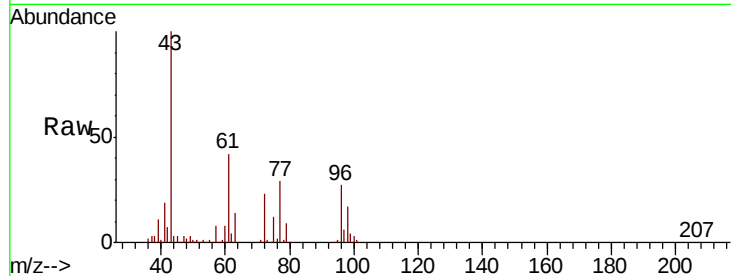
#25
2-Butanone
Concen: 230.436 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 468007
Ion Ratio Lower Upper
43 100
72 22.9 17.9 26.9

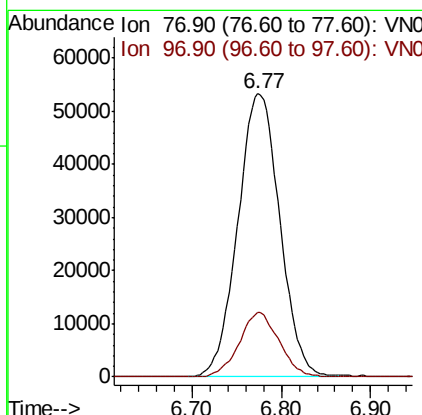
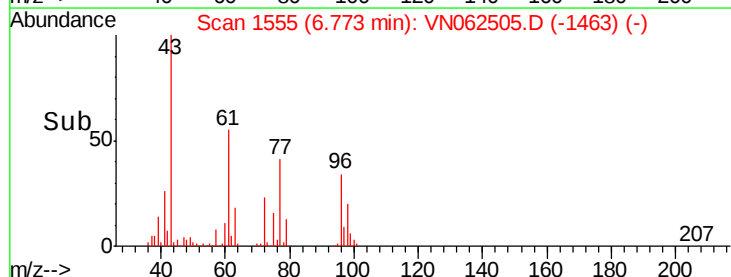
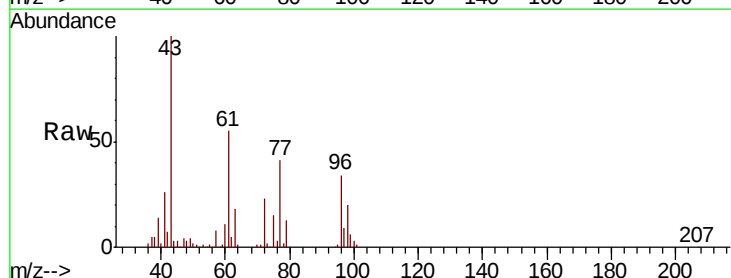
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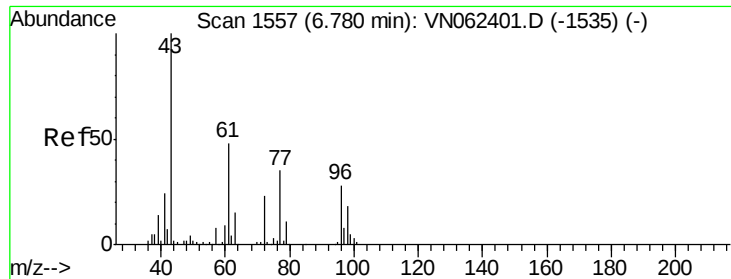
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#26
2,2-Dichloropropane
Concen: 43.364 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion: 77 Resp: 174500
Ion Ratio Lower Upper
77 100
97 21.6 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 48.519 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

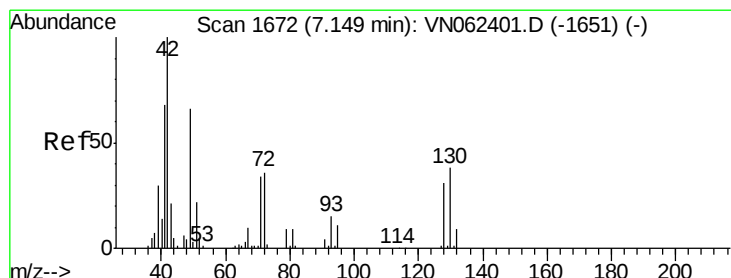
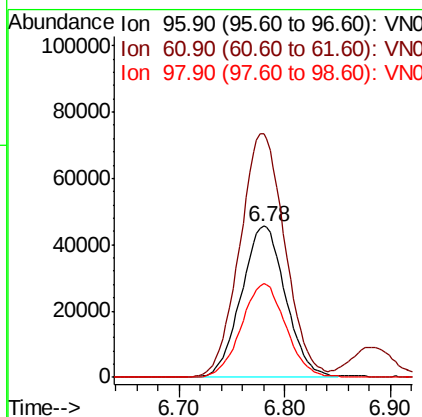
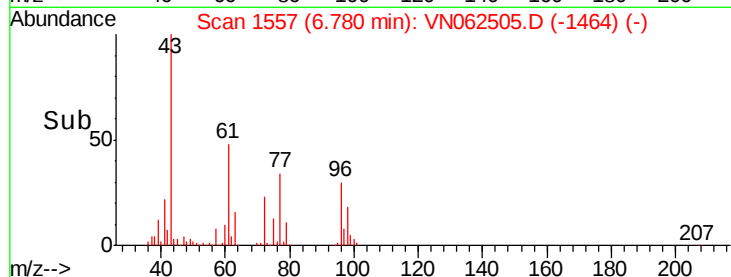
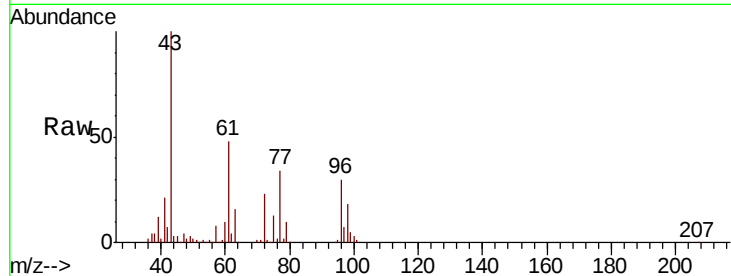
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	133078
Ion	Ratio	Lower	Upper
96	100		
61	164.6	0.0	343.4
98	62.2	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 45.904 ug/l

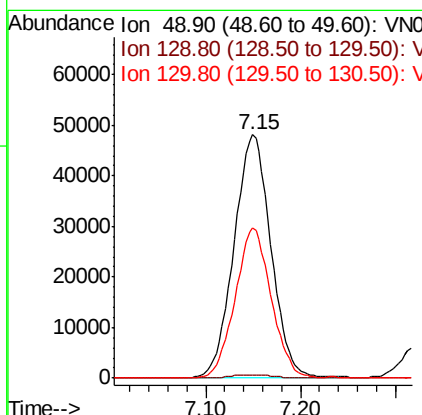
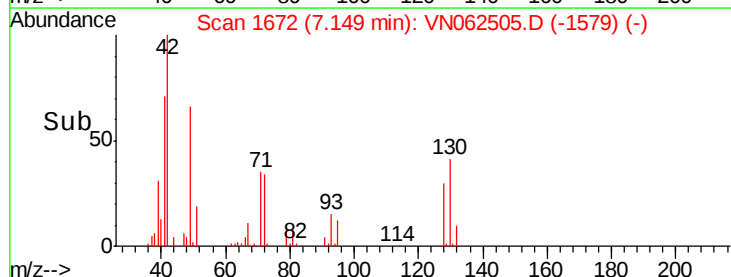
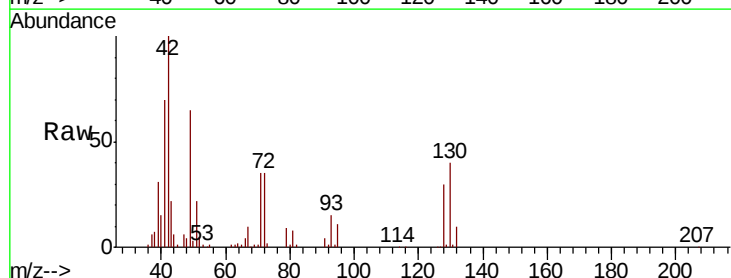
RT: 7.15 min Scan# 1672

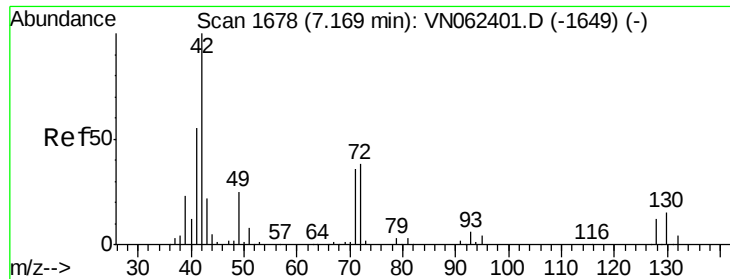
Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Tgt Ion:	49	Resp:	130886
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.8
130	60.1	46.5	69.7





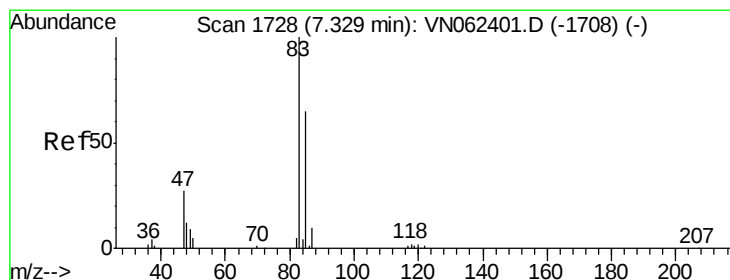
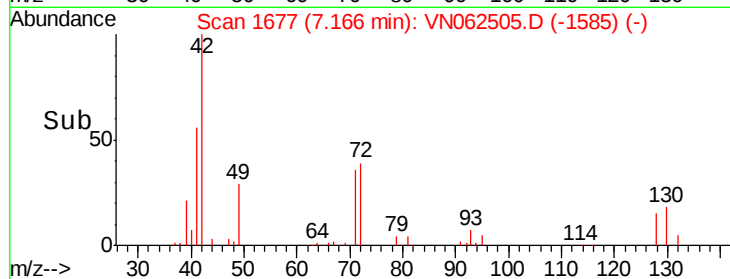
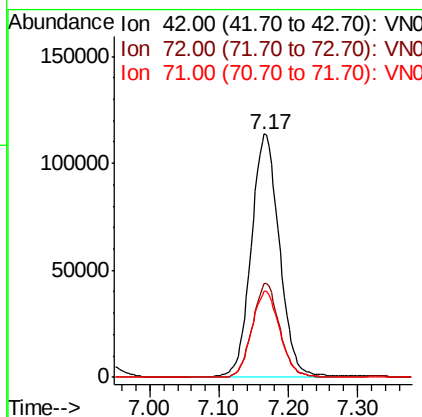
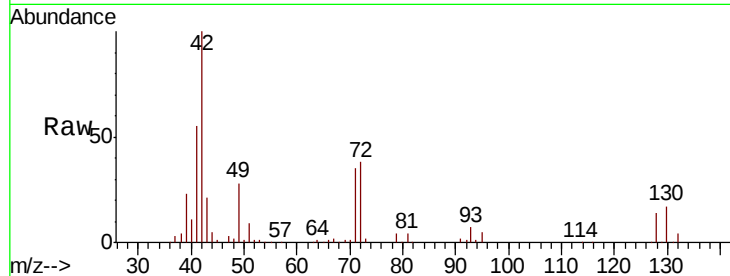
#29
Tetrahydrofuran
Concen: 234.553 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	29.1	43.7
71	35.5	28.1	42.1

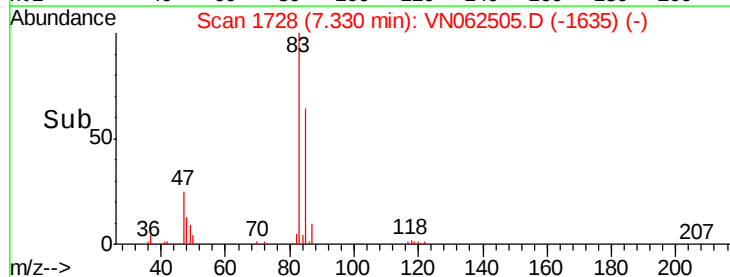
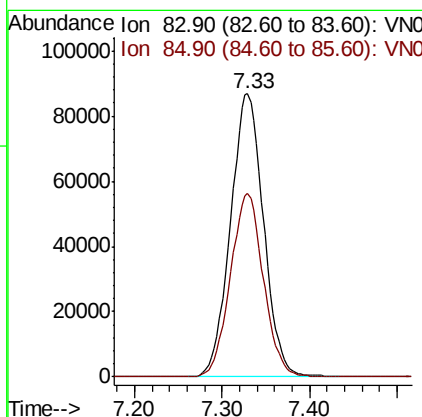
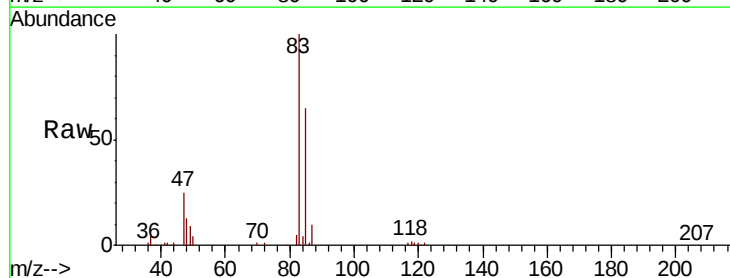
Manual Integrations
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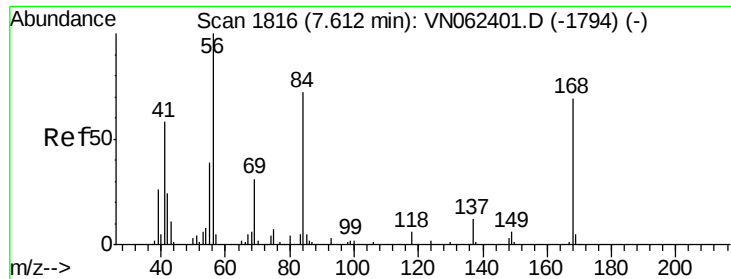
MMDadoda
7/13/2020 11:19:40 AM



#30
Chloroform
Concen: 48.158 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.6





#31

Cyclohexane

Concen: 43.480 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

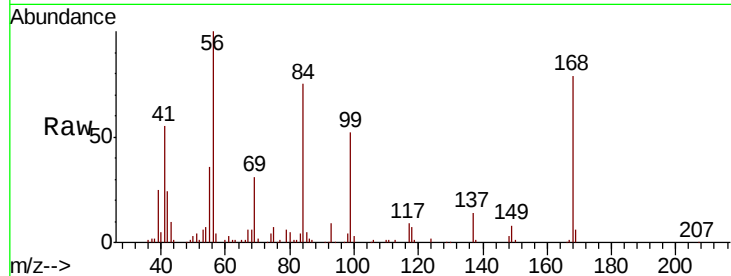
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	216329
Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.5	36.7
84	73.4	57.4	86.2

Manual Integrations
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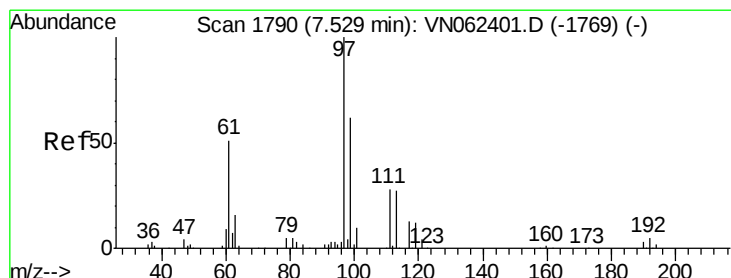
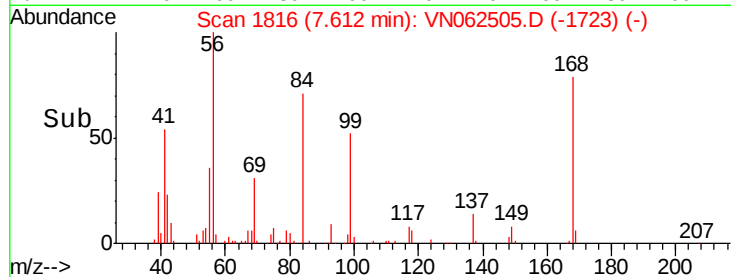
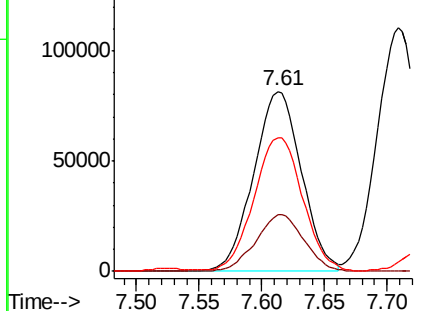
MMDadoda
7/13/2020 11:19:40 AM



Abundance Ion 56.00 (55.70 to 56.70): VN062505.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062505.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062505.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 47.663 ug/l

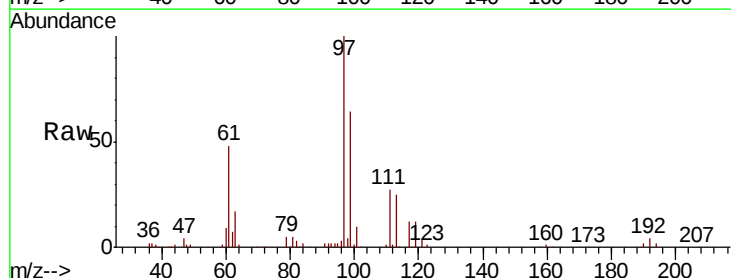
RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

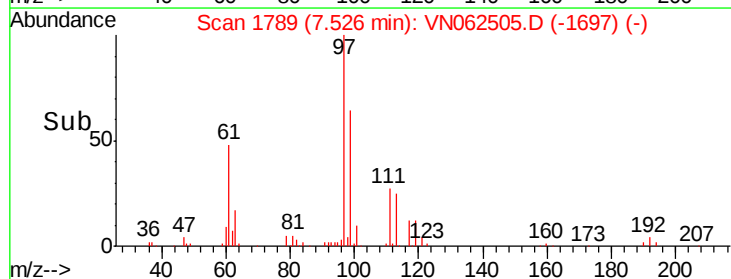
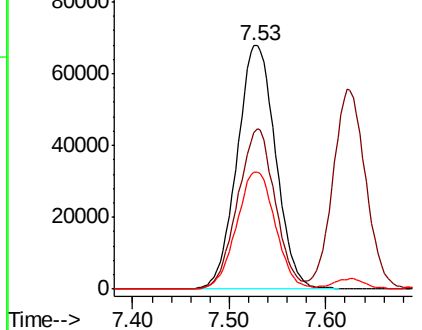
Tgt Ion:	97	Resp:	187869
Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.4	75.6
61	48.3	39.9	59.9

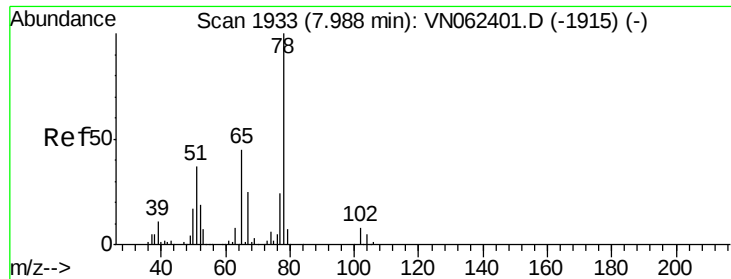


Abundance Ion 96.90 (96.60 to 97.60): VN062505.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN062505.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN062505.D (-1697) (-)





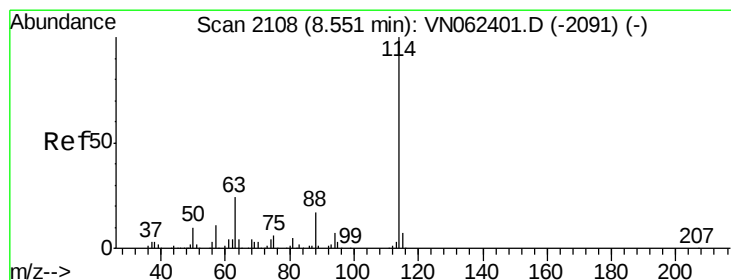
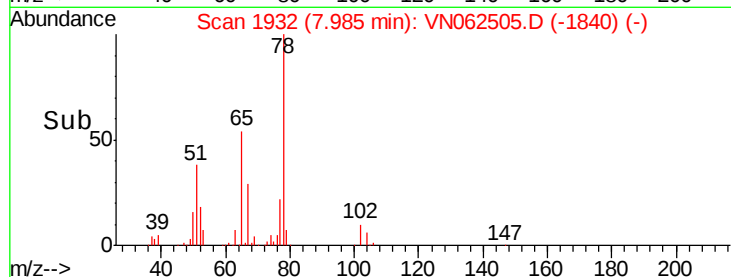
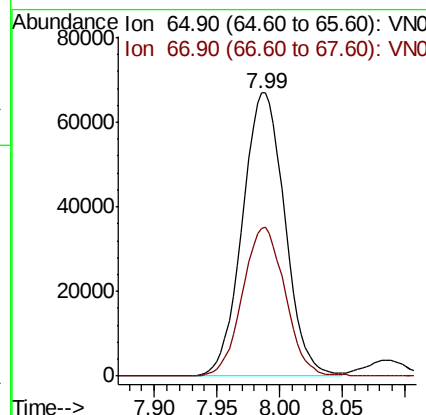
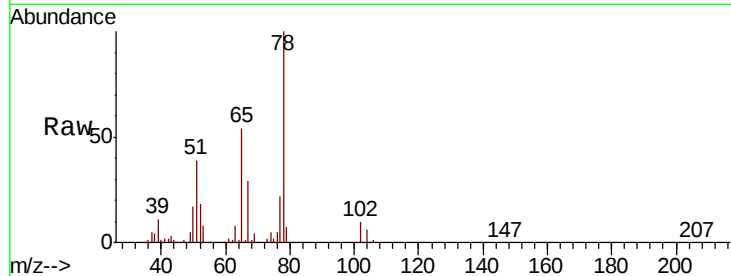
#33
 1,2-Dichloroethane-d4
 Concen: 48.073 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	157464		
67	52.6	0.0	107.6	

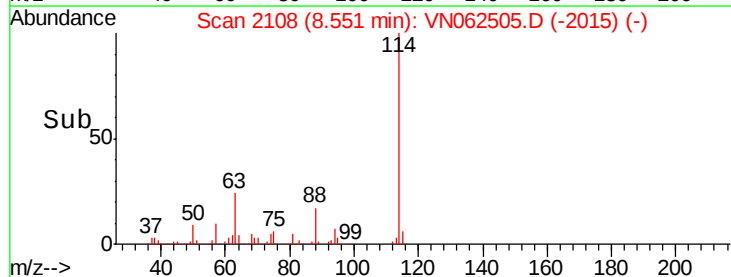
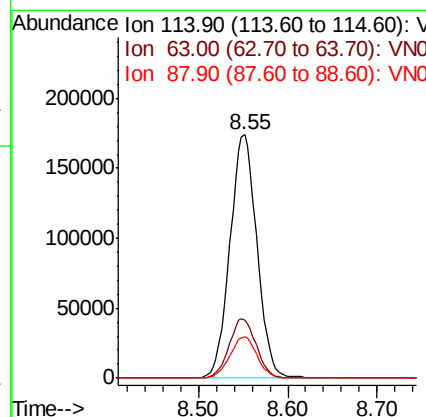
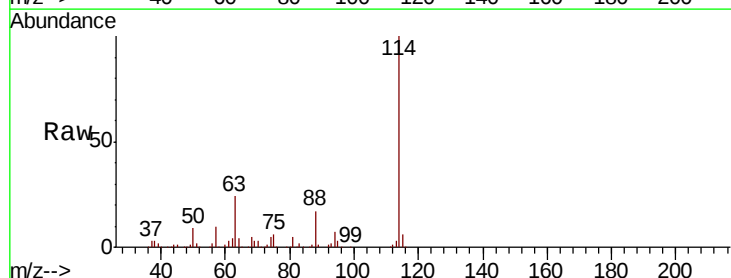
Manual Integrations
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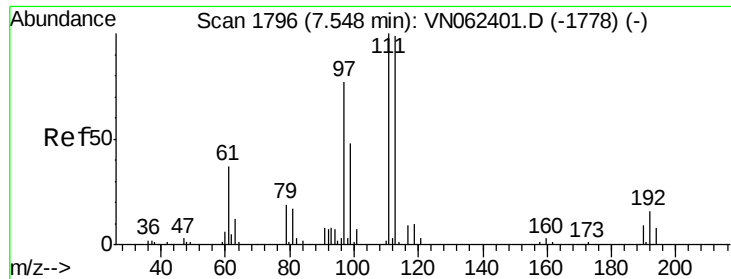
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	364567		
63	23.6	0.0	48.4	
88	16.8	0.0	33.8	





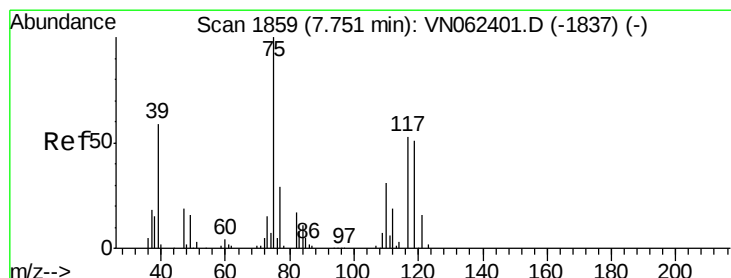
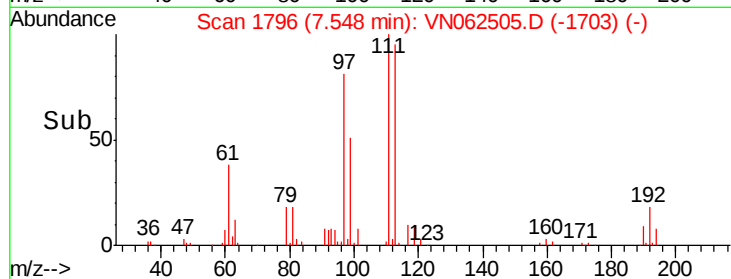
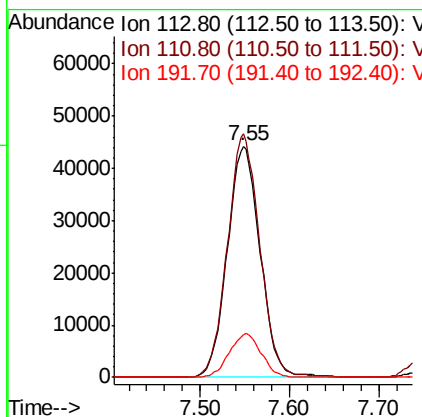
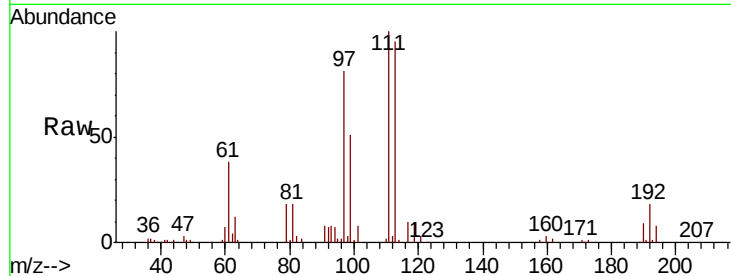
#35
 Dibromofluoromethane
 Concen: 50.015 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112709		
111	103.6	83.1	124.7	
192	18.4	14.1	21.1	

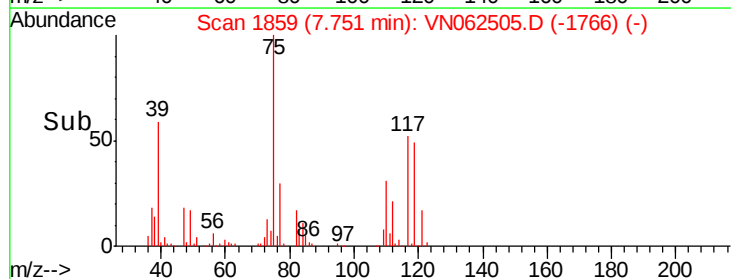
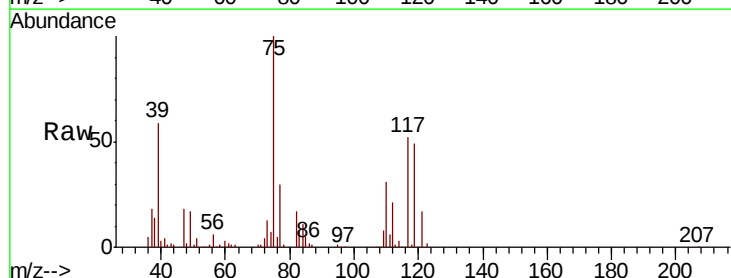
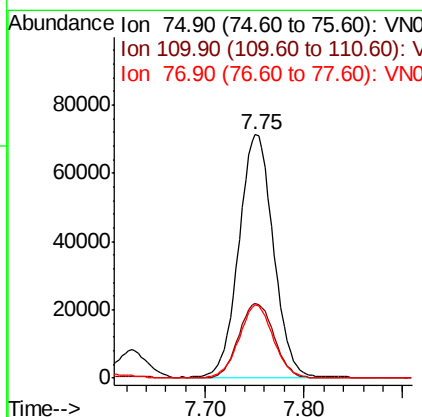
Manual Integrations
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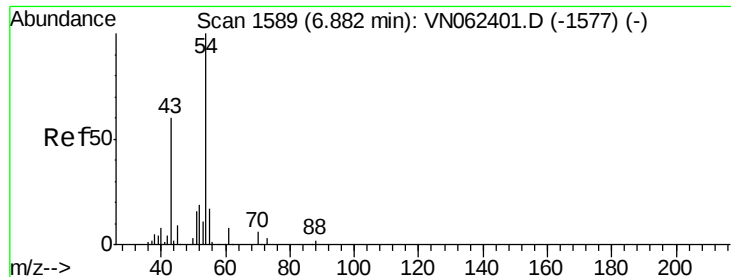
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 46.782 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	171828		
110	31.8	15.4	46.2	
77	30.1	24.1	36.1	





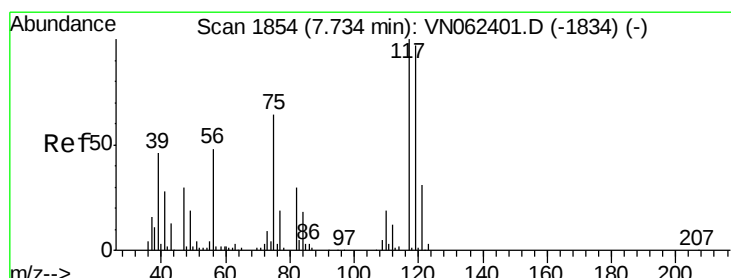
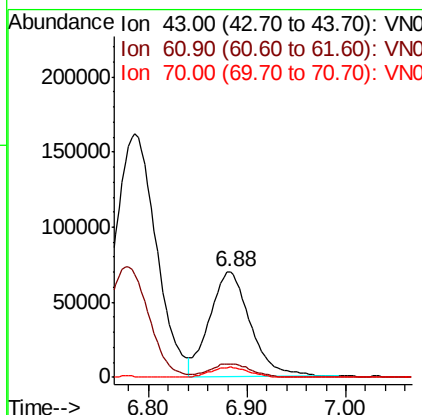
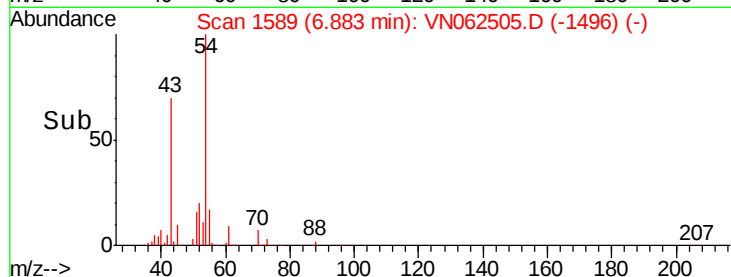
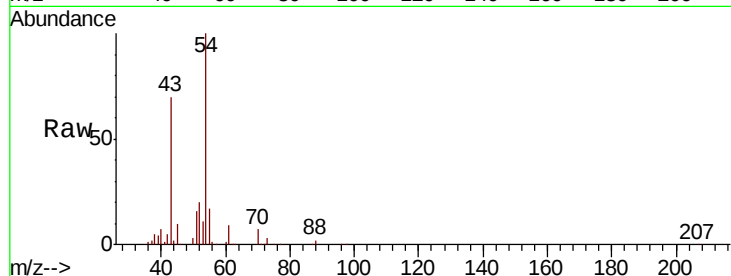
#37
Ethyl Acetate
Concen: 46.765 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70	Ratio	Lower	Upper
200848	100	13.6	9.2		10.7	16.1
					7.2	10.8

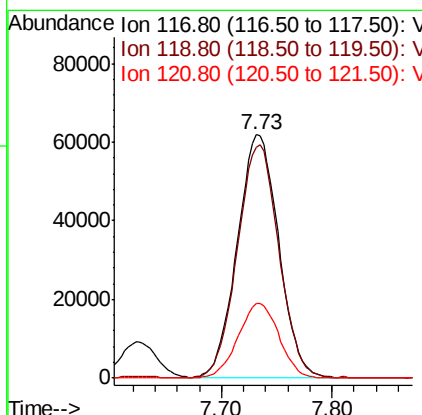
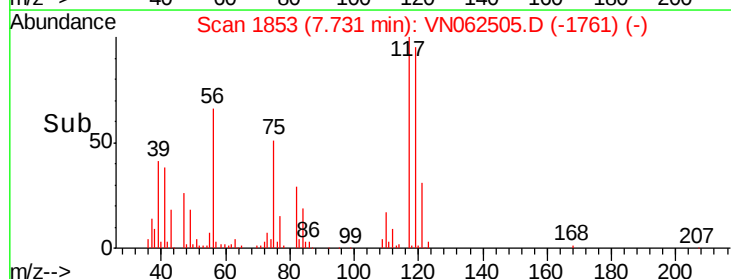
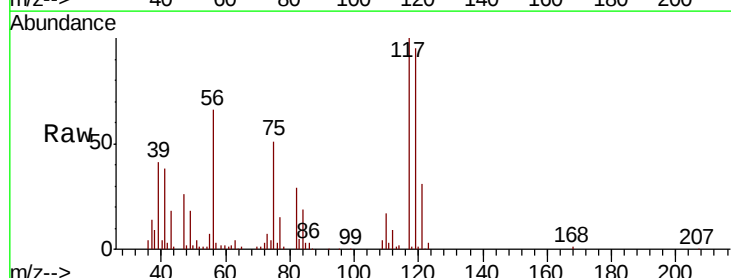
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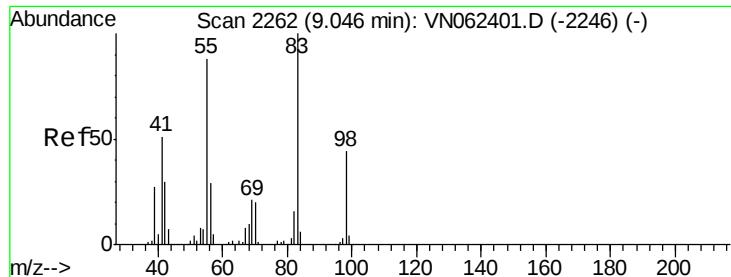
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.355 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion	117	119	121	Ratio	Lower	Upper
159675	100	95.4	30.7		77.2	115.8
					24.8	37.2





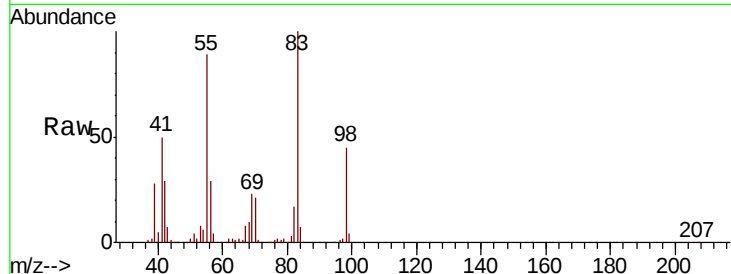
#39
Methvlcvclohexane
Concen: 48.318 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.6	70.5	105.7
98	44.5	35.5	53.3

Manual Integrations
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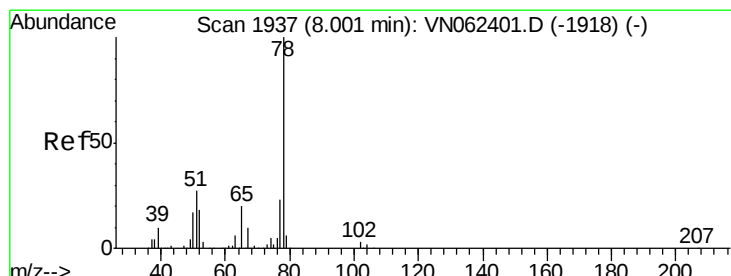
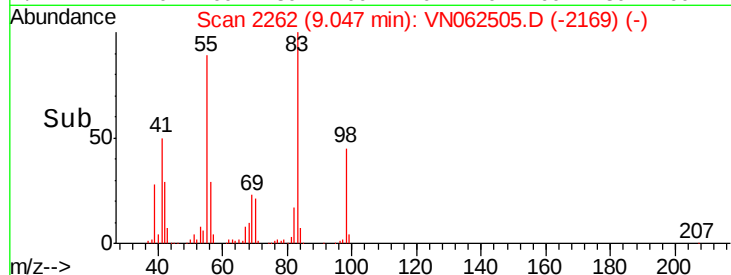
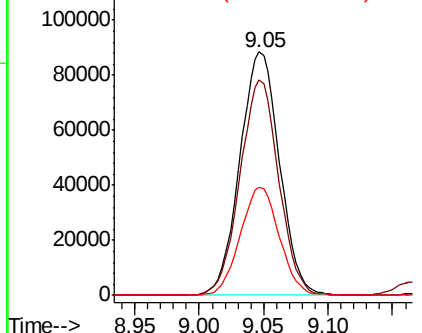


Abundance

Ion 83.00 (82.70 to 83.70): VN0

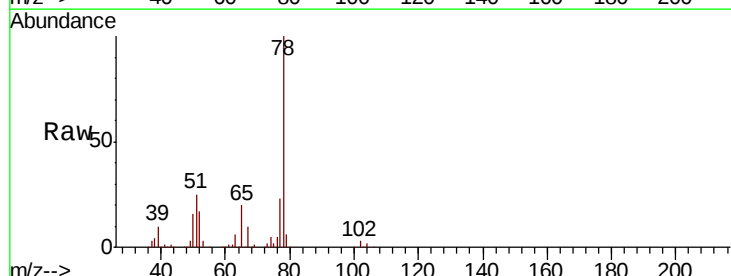
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 48.646 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

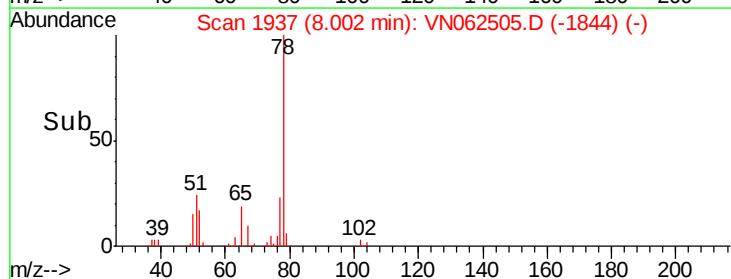
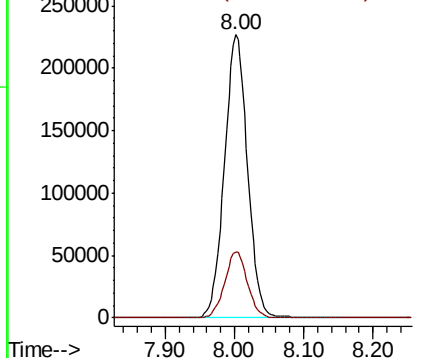
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1

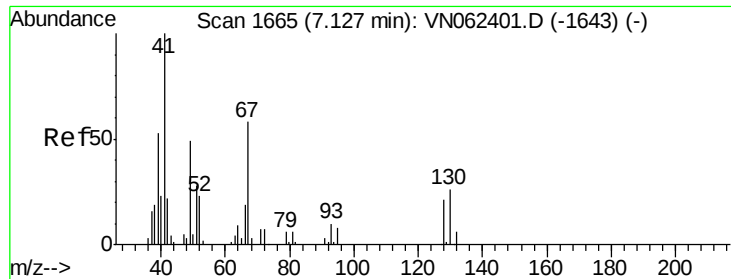


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





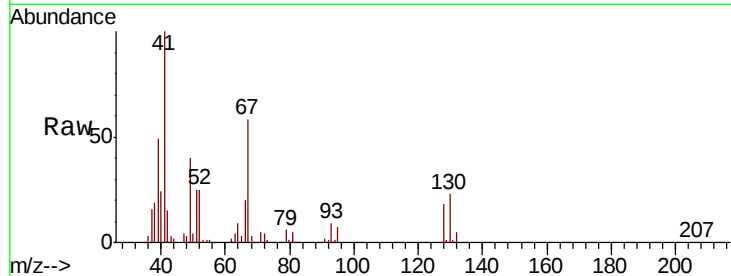
#41
Methacrylonitrile
Concen: 51.046 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		91598		
39	59.9	50.2	75.2		
67	78.3	64.2	96.2		
52	32.3	28.0	42.0		

Manual Integrations
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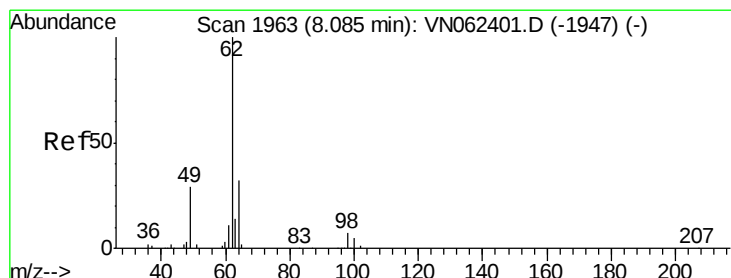
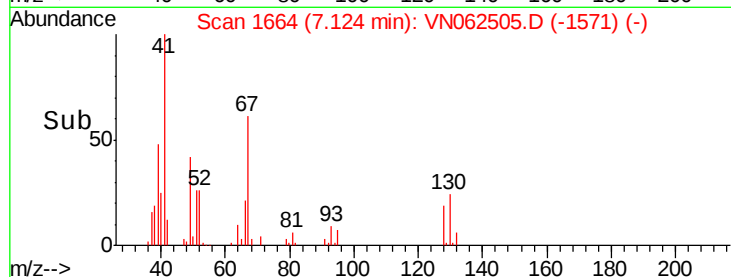
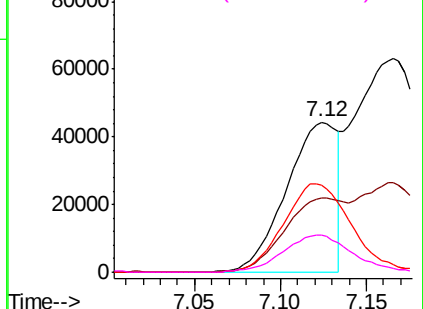
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

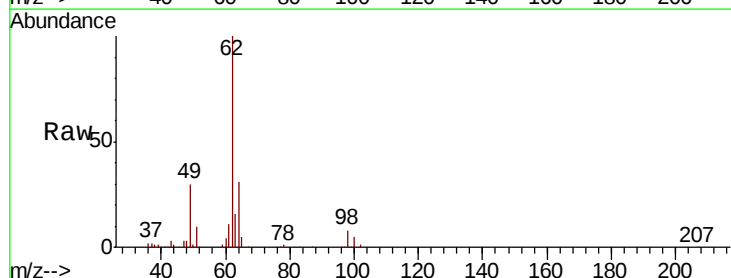
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 48.420 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

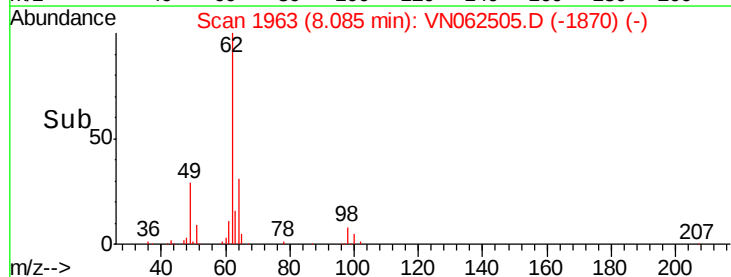
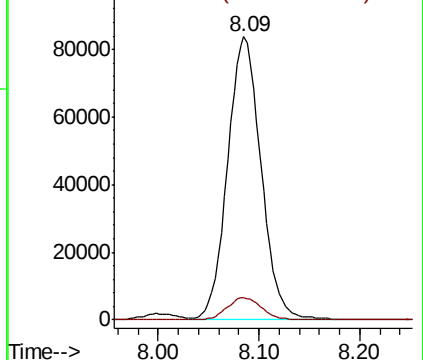
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		191923		
98	8.1	0.0	15.8		

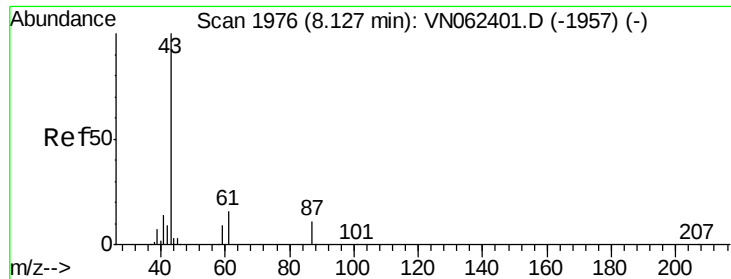


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





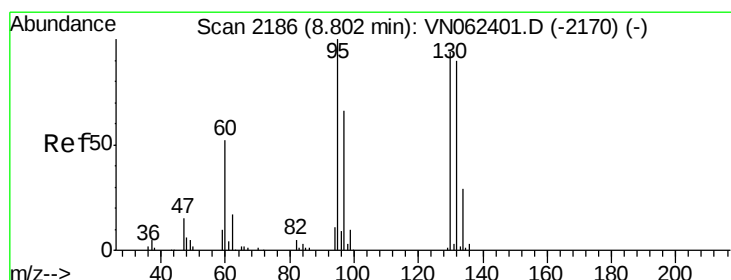
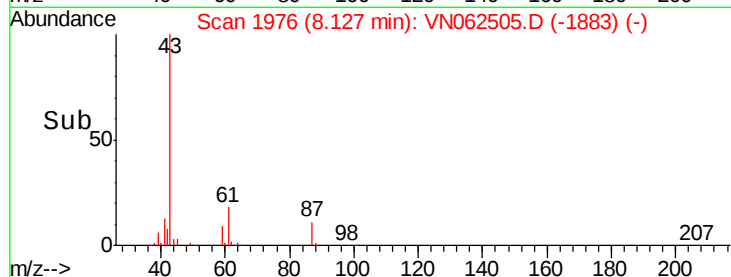
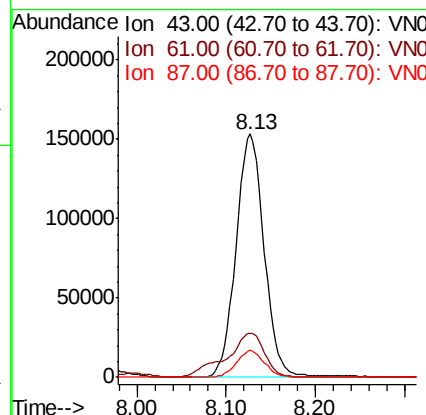
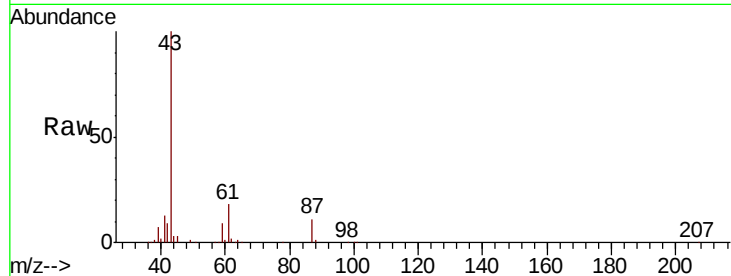
#43
Isopropyl Acetate
Concen: 49.106 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.2	19.3	28.9
87	11.0	8.6	13.0

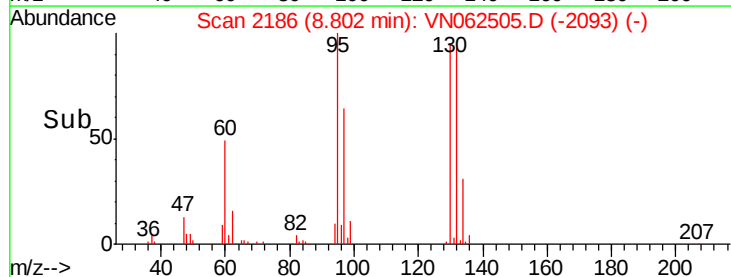
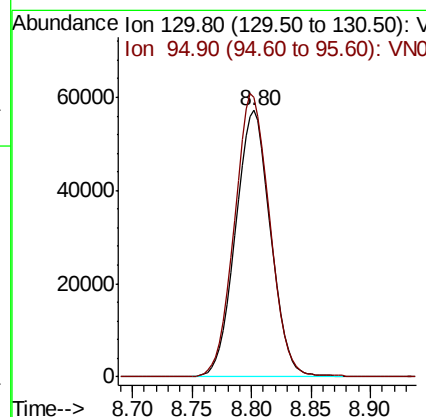
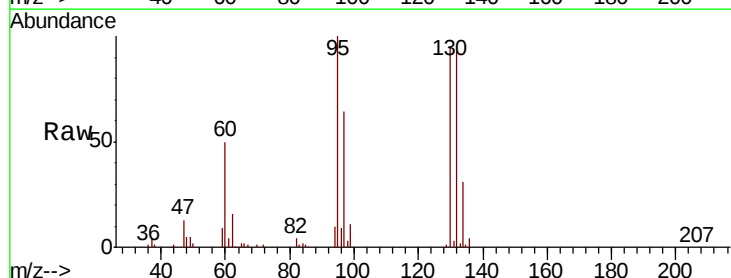
Manual Integrations
APPROVED

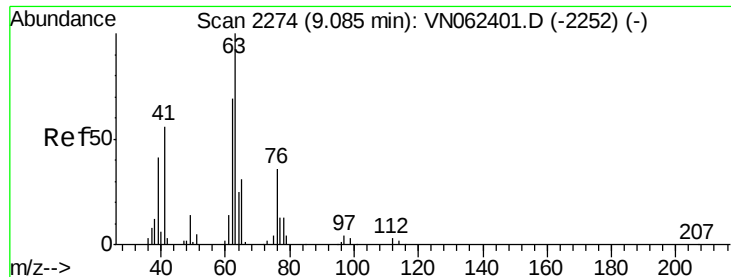
MMDadoda
7/13/2020 11:19:40 AM



#44
Trichloroethene
Concen: 48.546 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	213.8





#45

1,2-Dichloropropane

Concen: 48.923 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 153739

Ion Ratio Lower Upper

63 100

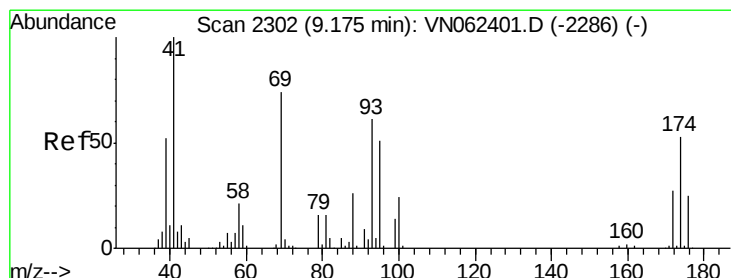
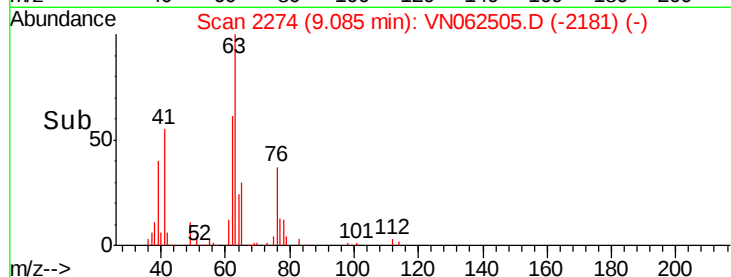
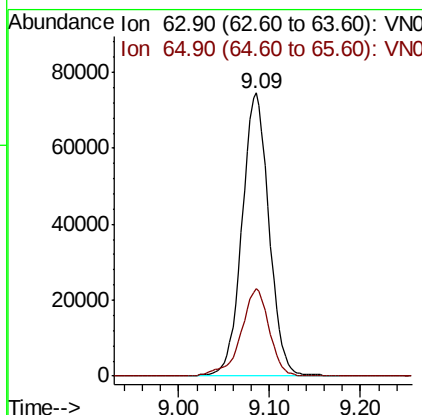
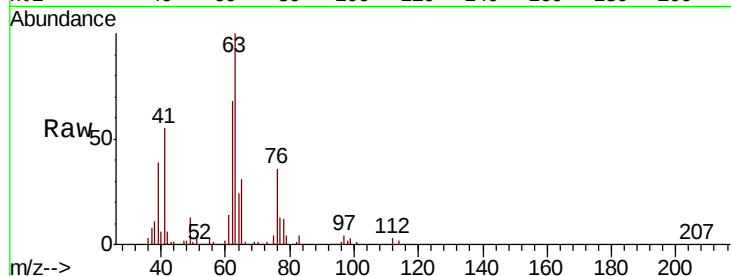
65 30.8 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 48.326 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

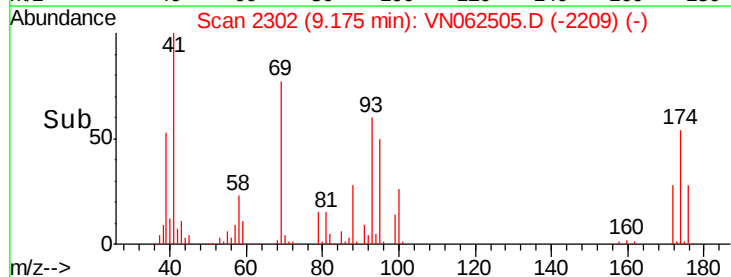
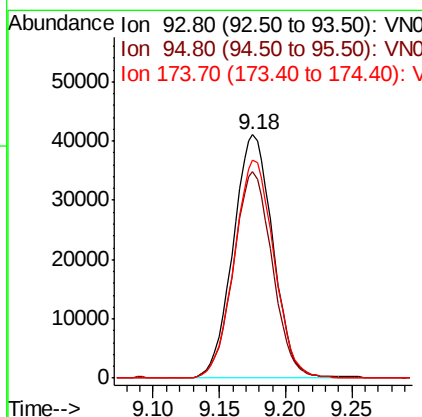
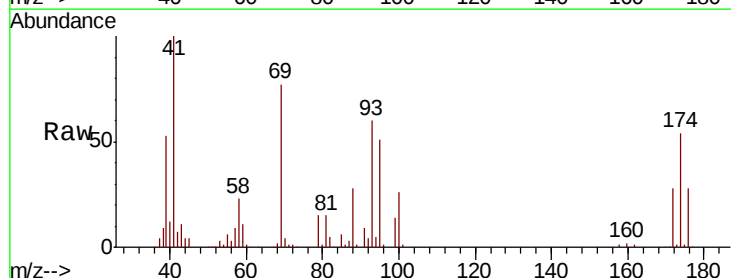
Tgt Ion: 93 Resp: 85699

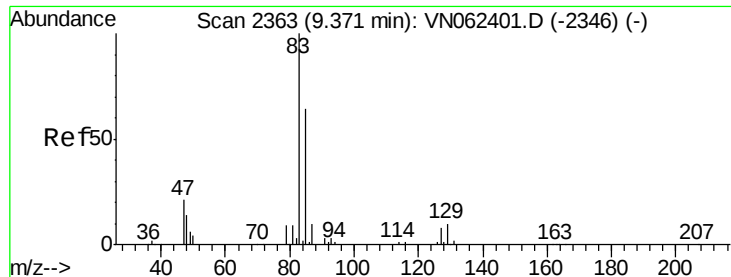
Ion Ratio Lower Upper

93 100

95 83.1 67.1 100.7

174 89.7 70.4 105.6





#47

Bromodichloromethane

Concen: 49.469 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

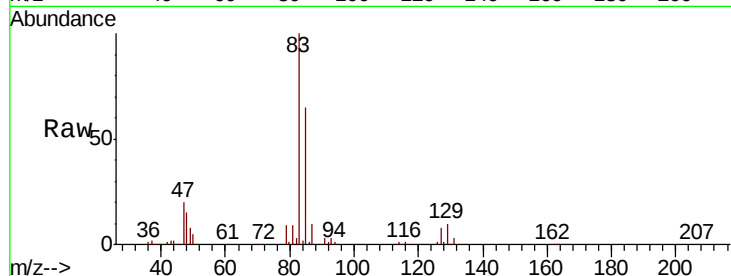
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	187556
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.2	76.8
127	7.7	6.2	9.2

Manual Integrations
APPROVED

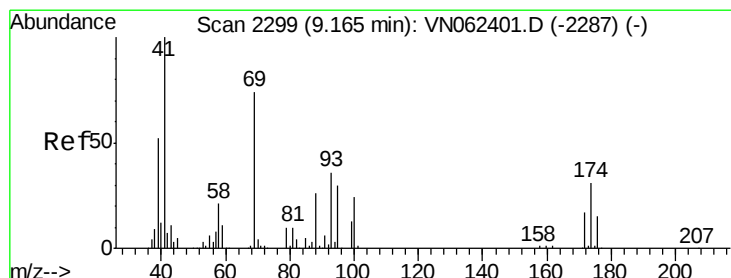
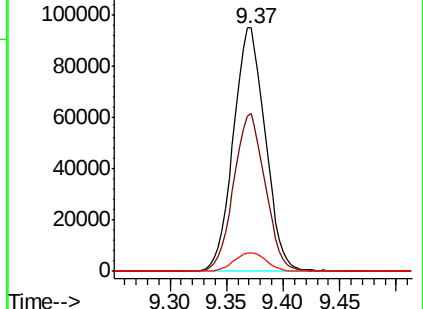
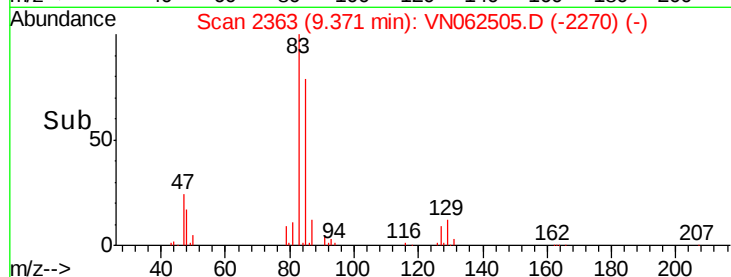
MMDadoda
7/13/2020 11:19:40 AM



Abundance Ion 82.90 (82.60 to 83.60): VN062505.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062505.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062505.D (-2270) (-)



#48

Methyl methacrylate

Concen: 48.334 ug/l

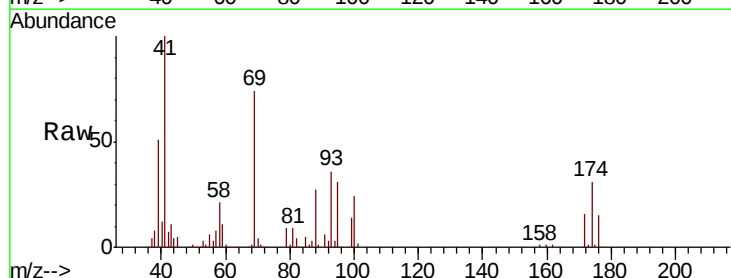
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

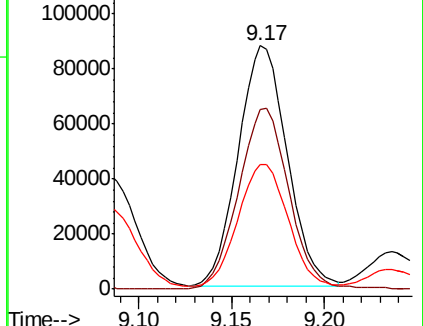
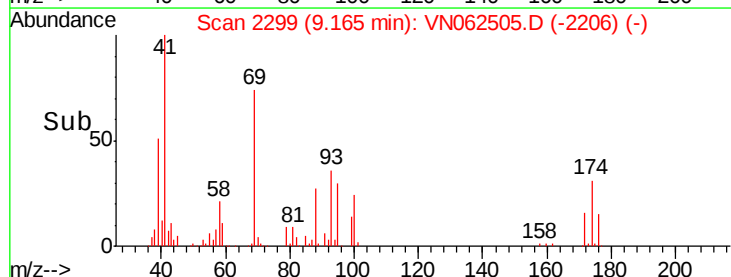
Tgt Ion:	41	Resp:	160860
Ion Ratio	Lower	Upper	
41	100		
69	77.4	60.8	91.2
39	51.6	43.5	65.3

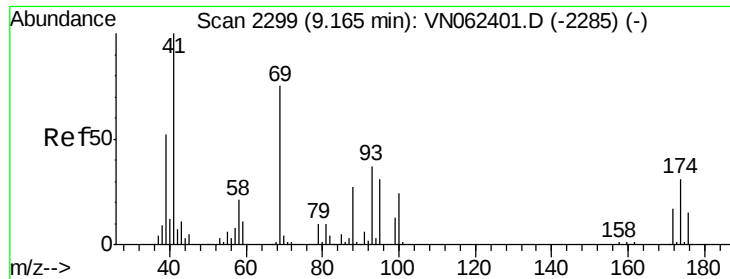


Abundance Ion 41.00 (40.70 to 41.70): VN062505.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062505.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062505.D (-2206) (-)





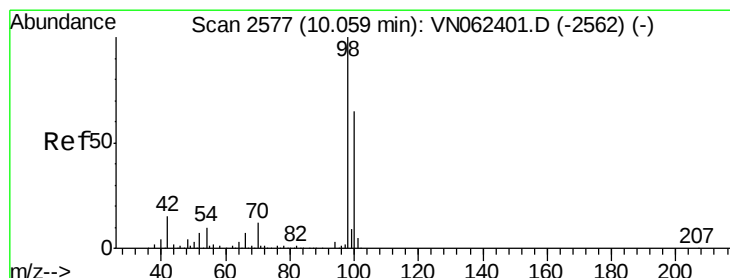
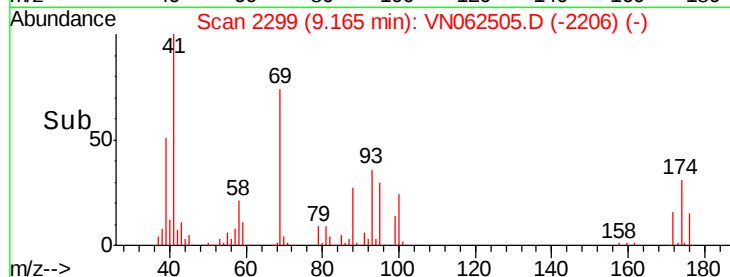
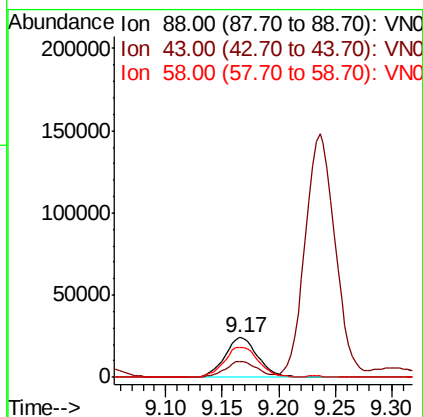
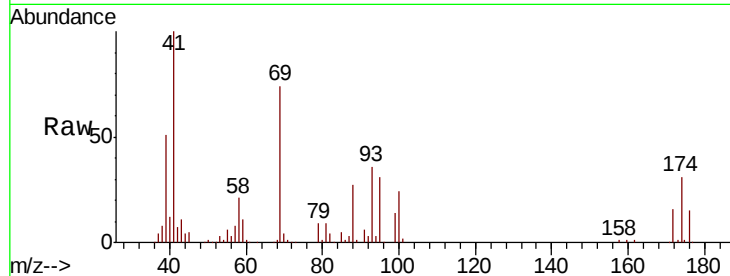
#49
1,4-Dioxane
Concen: 1020.980 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	31.0	46.4
58	78.0	63.3	94.9

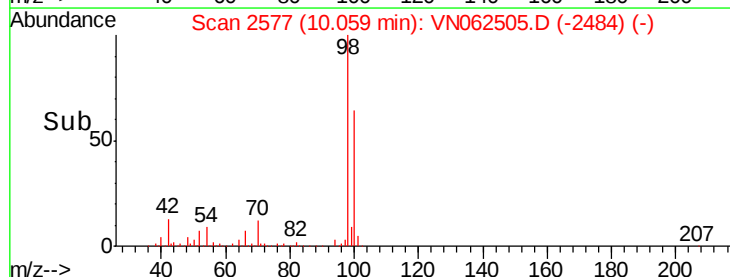
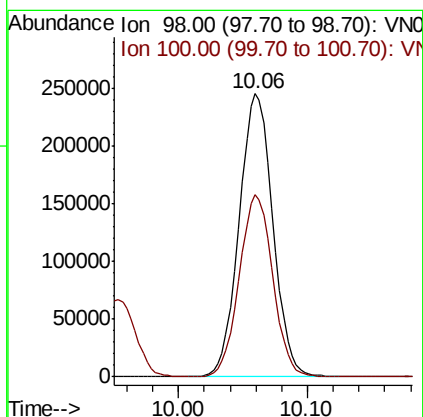
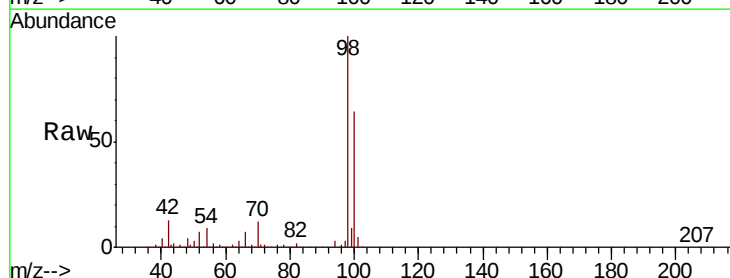
Manual Integrations
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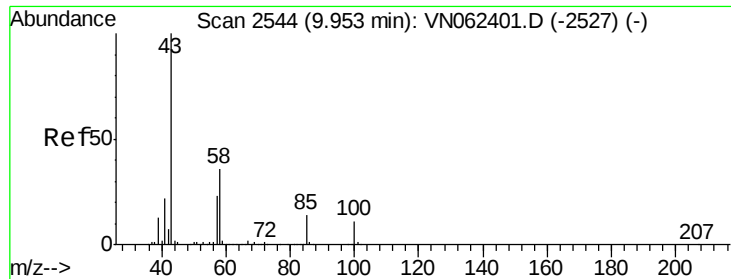
MMDadoda
7/13/2020 11:19:40 AM



#50
Toluene-d8
Concen: 50.216 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.5	77.3





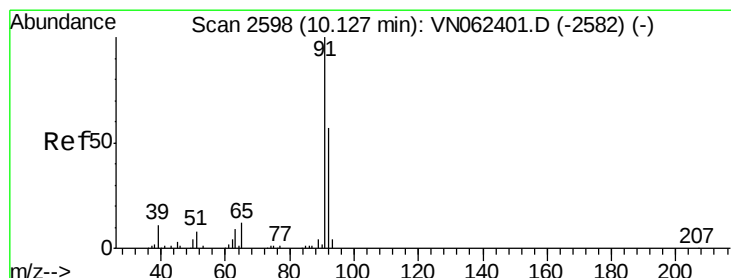
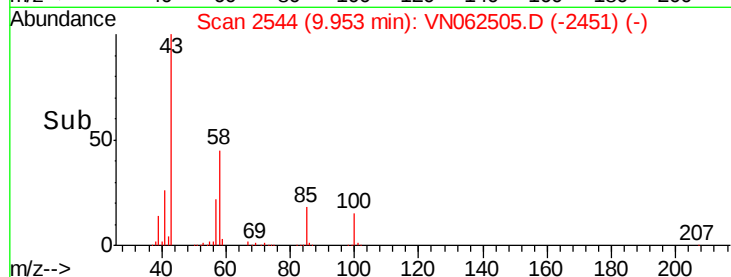
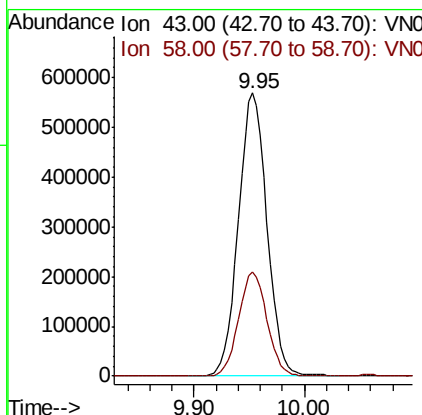
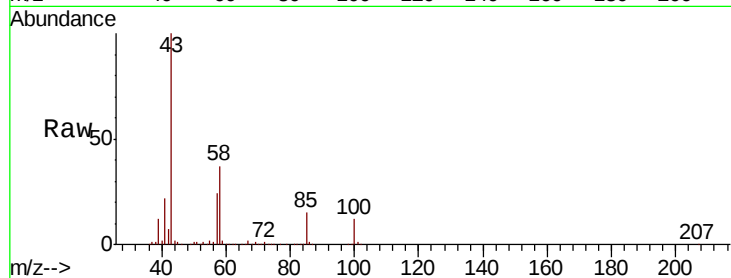
#51
4-Methyl-2-Pentanone
Concen: 250.731 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1016046
Ion Ratio Lower Upper
43 100
58 36.7 29.0 43.6

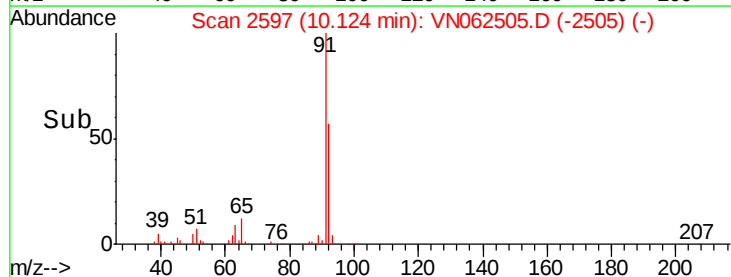
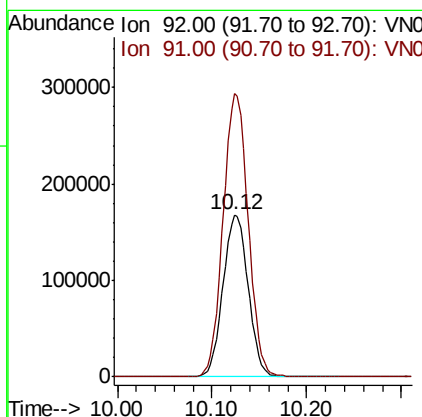
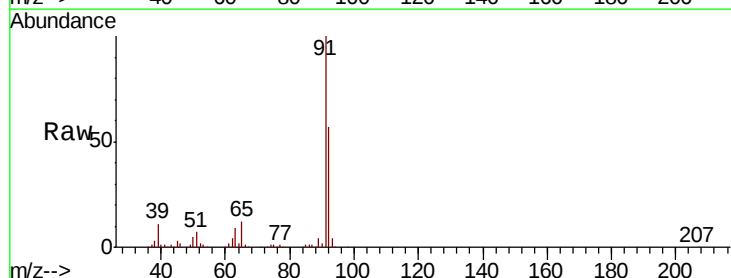
Manual Integrations
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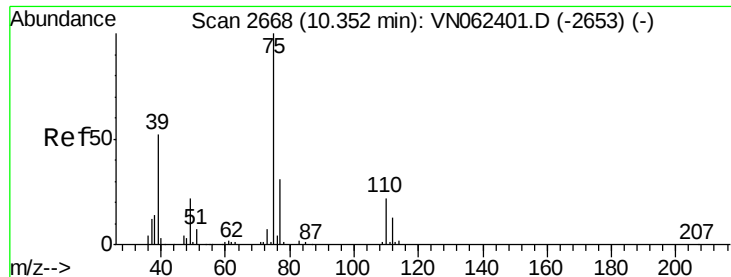
MMDadoda
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#52
Toluene
Concen: 49.804 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion: 92 Resp: 311410
Ion Ratio Lower Upper
92 100
91 174.0 141.0 211.6





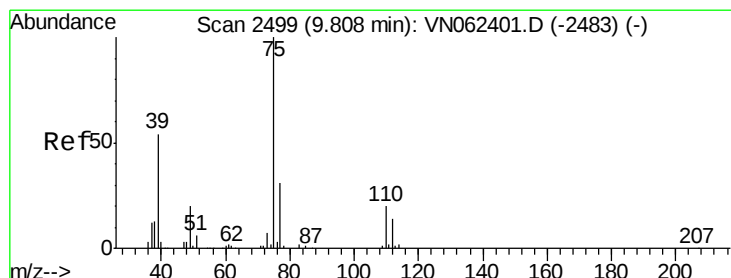
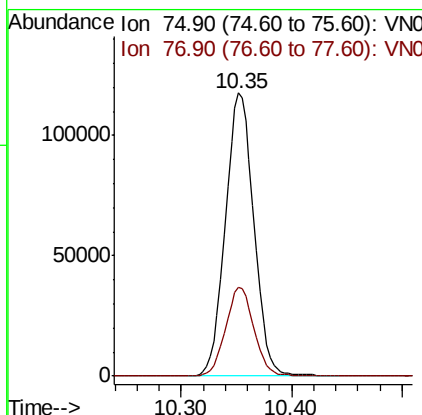
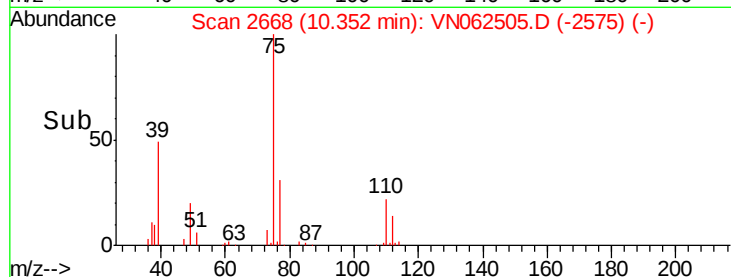
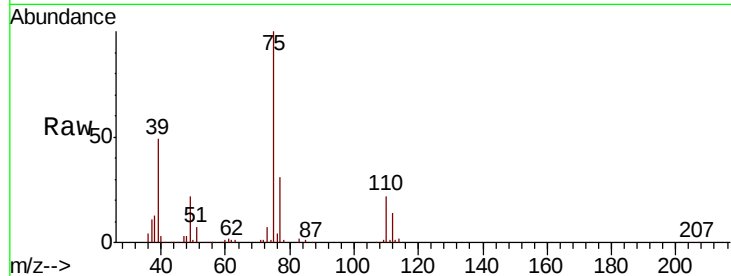
#53
 t-1,3-Dichloropropene
 Concen: 49.615 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. 0.00 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 210747
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.2 37.8

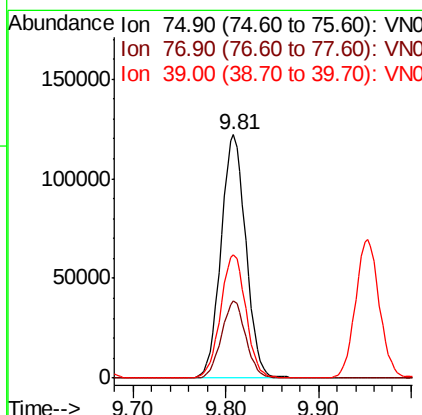
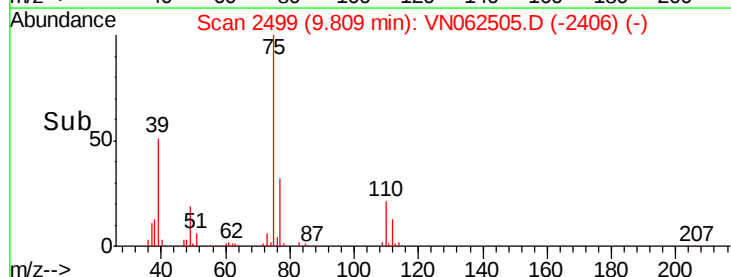
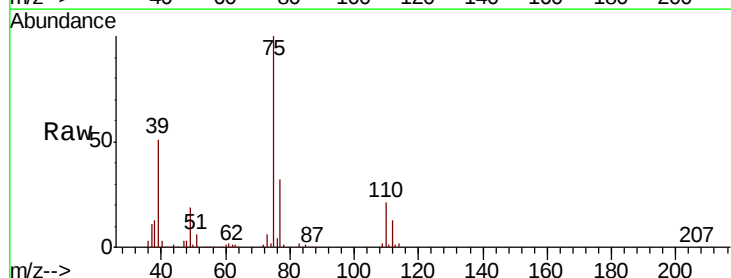
Manual Integrations
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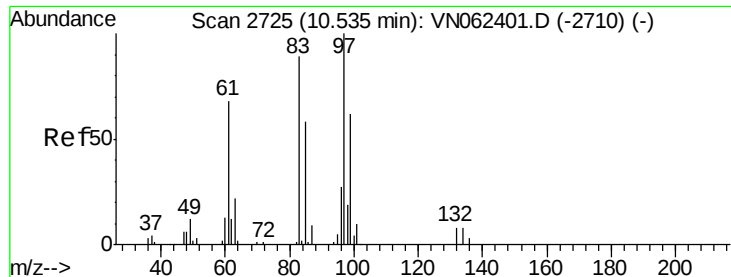
MMDadoda
 7/13/2020 11:19:40 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.431 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Tgt Ion: 75 Resp: 226979
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.5 36.7
 39 50.9 43.4 65.0





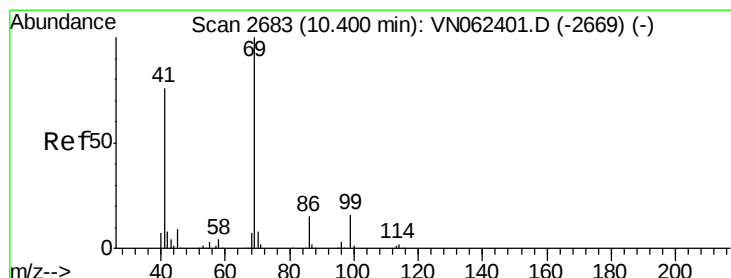
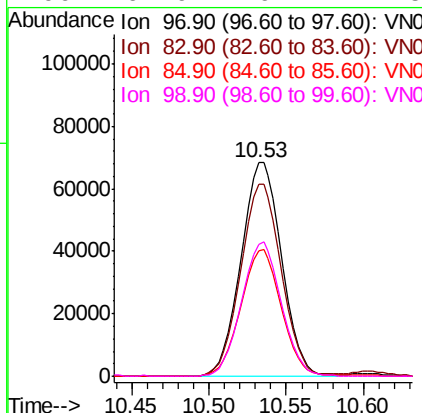
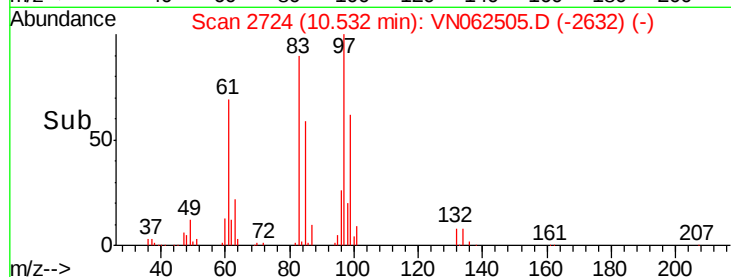
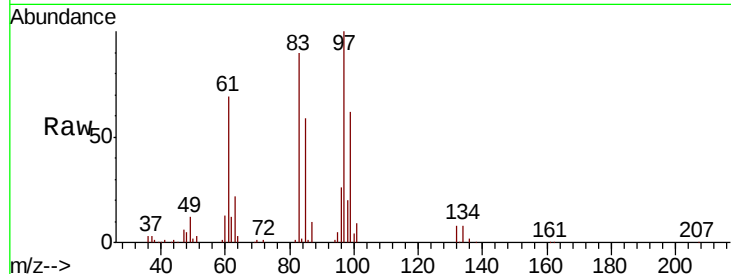
#55
 1,1,2-Trichloroethane
 Concen: 50.814 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	124961
Ion	Ratio	Lower	Upper
97	100		
83	90.1	71.0	106.4
85	58.9	46.2	69.4
99	61.9	49.7	74.5

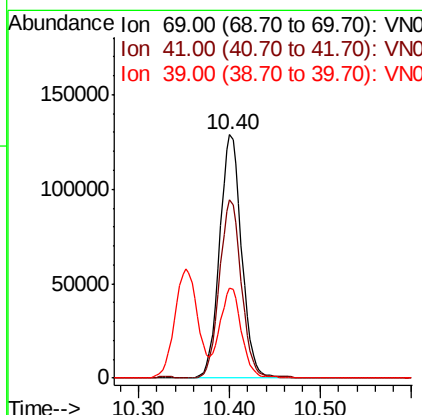
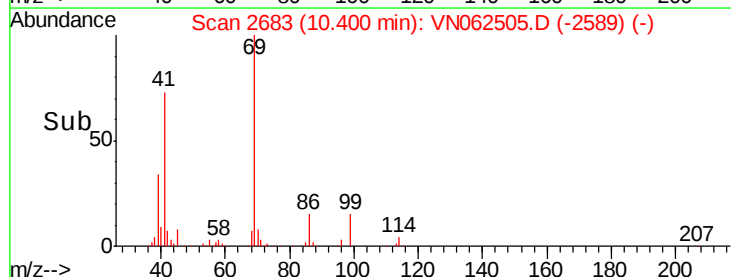
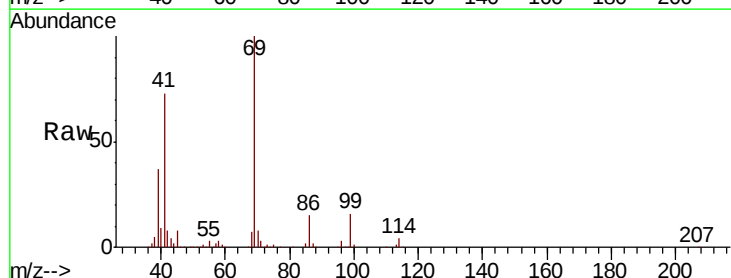
Manual Integrations
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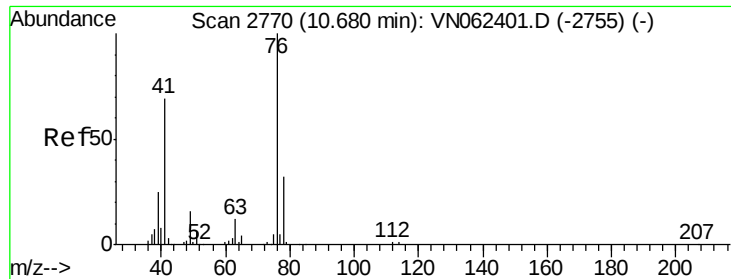
MMDadoda
 7/13/2020 11:19:40 AM



#56
 Ethyl methacrylate
 Concen: 48.071 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Tgt Ion:	69	Resp:	217251
Ion	Ratio	Lower	Upper
69	100		
41	72.3	59.7	89.5
39	36.1	30.6	45.8





#57

1,3-Dichloropropane

Concen: 50.293 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 228499

Ion Ratio Lower Upper

76 100

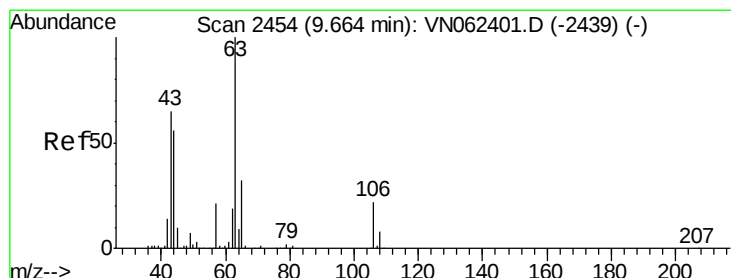
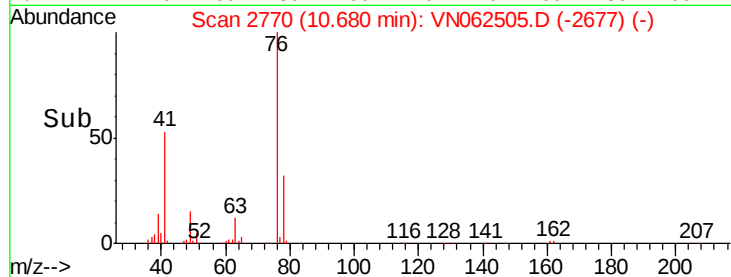
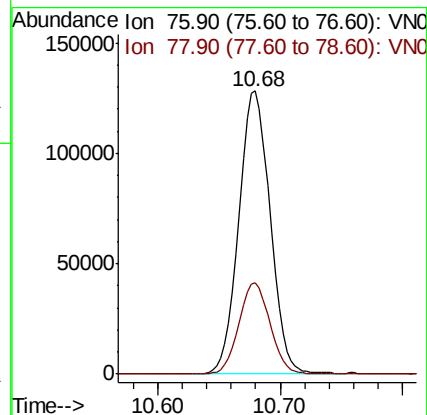
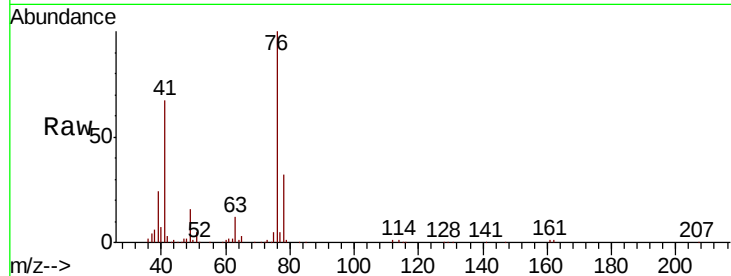
78 32.2 25.6 38.4

Manual Integrations

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MMDadoda

7/13/2020 11:19:40 AM



#58

2-Chloroethyl Vinyl ether

Concen: 265.507 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062505.D

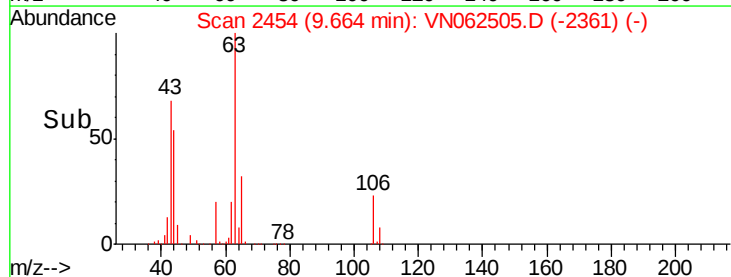
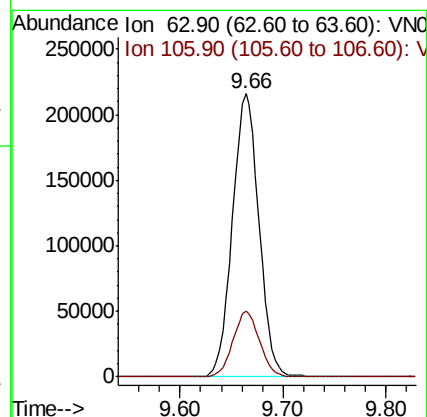
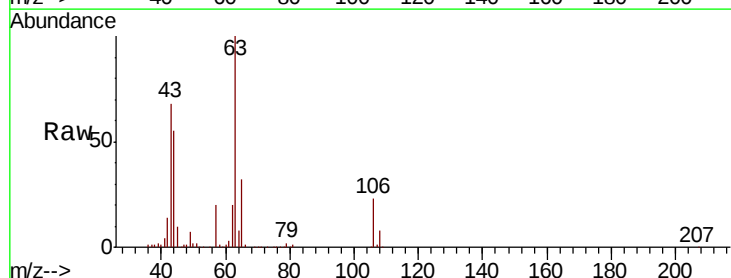
Acq: 10 Jul 2020 20:22

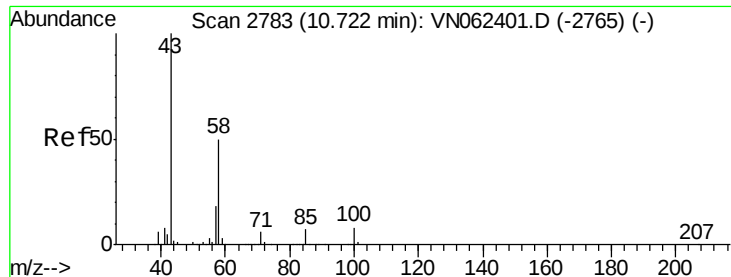
Tgt Ion: 63 Resp: 387362

Ion Ratio Lower Upper

63 100

106 23.2 17.6 26.4





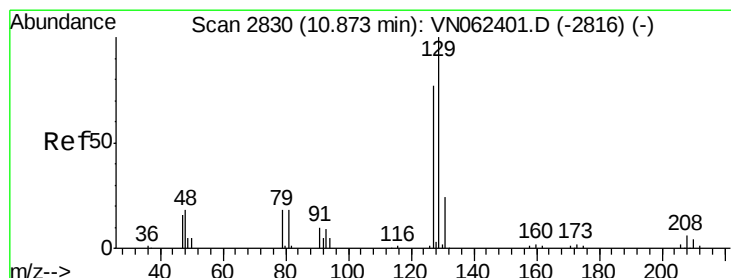
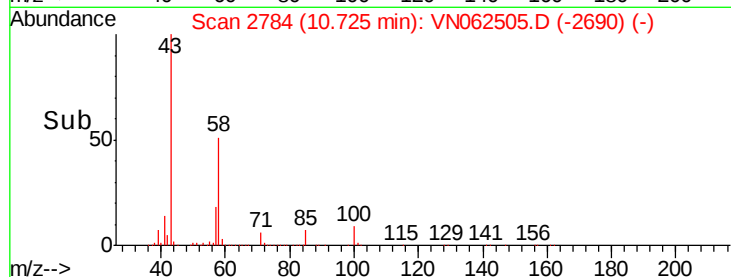
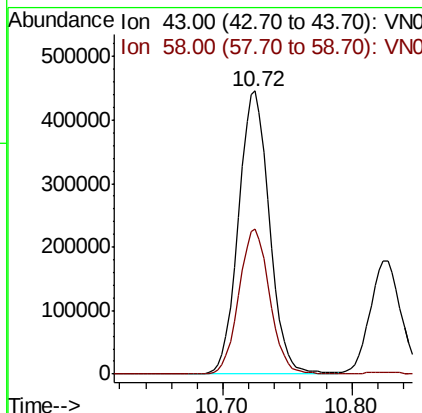
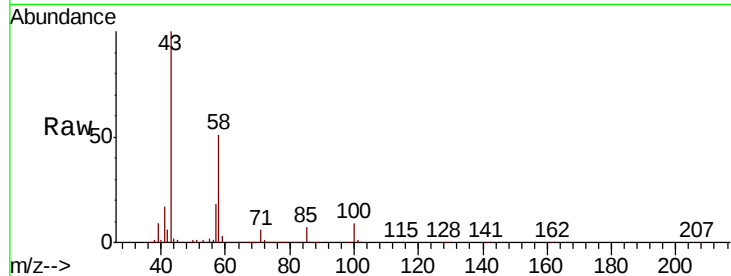
#59
2-Hexanone
Concen: 252.357 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 742405
Ion Ratio Lower Upper
43 100
58 51.4 25.1 75.2

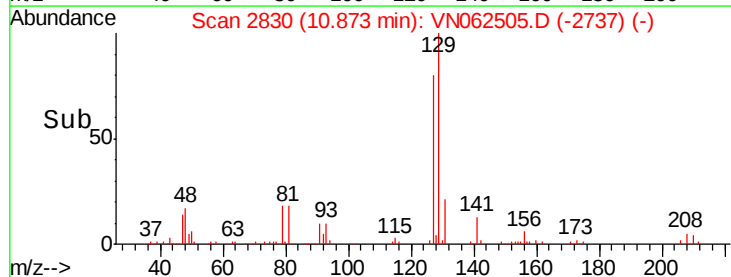
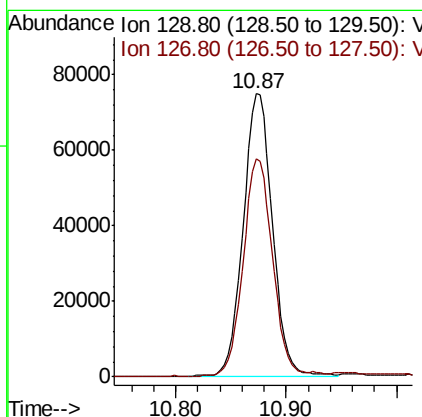
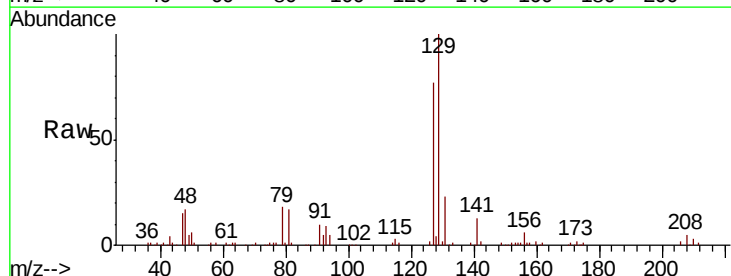
Manual Integrations
APPROVED

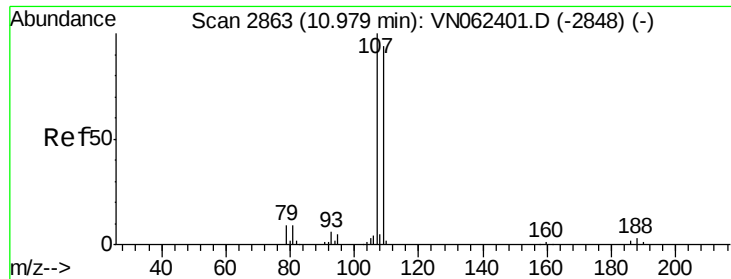
MMDadoda
7/13/2020 11:19:40 AM



#60
Dibromochloromethane
Concen: 51.260 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion: 129 Resp: 136681
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.766 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 126025

Ion Ratio Lower Upper

107 100

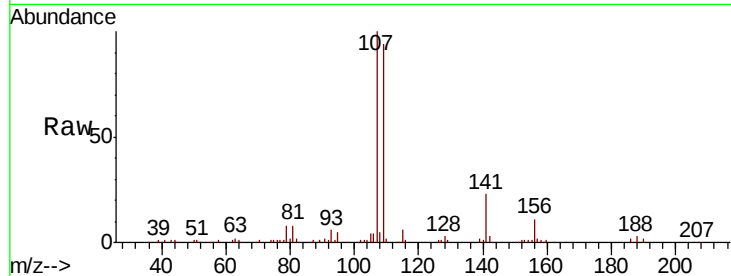
109 95.0 75.6 113.4

Manual Integrations

APPROVED

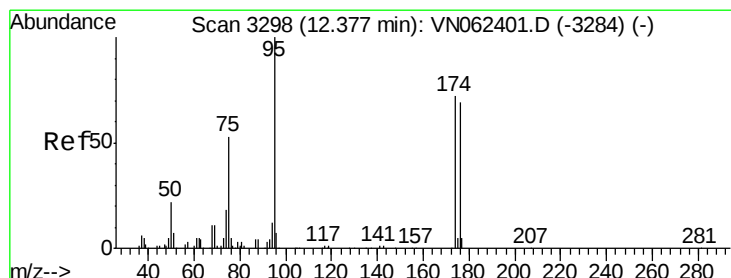
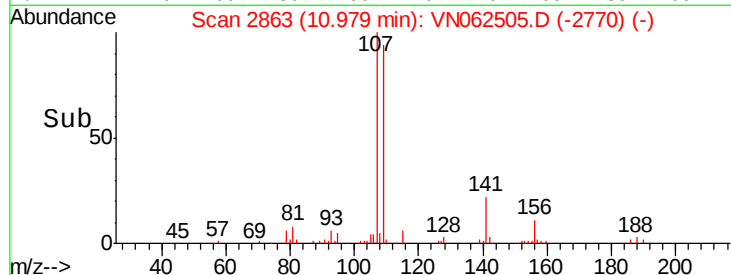
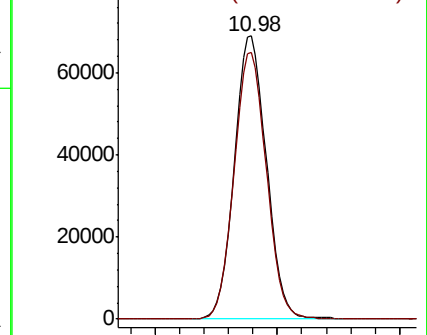
MMDadoda

7/13/2020 11:19:40 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.764 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

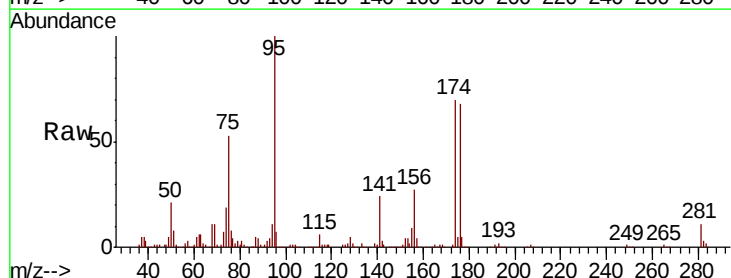
Tgt Ion: 95 Resp: 168282

Ion Ratio Lower Upper

95 100

174 70.7 0.0 141.6

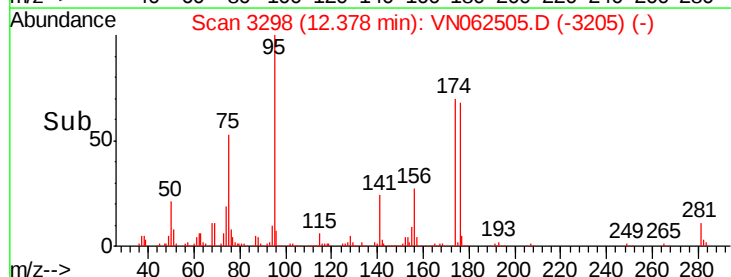
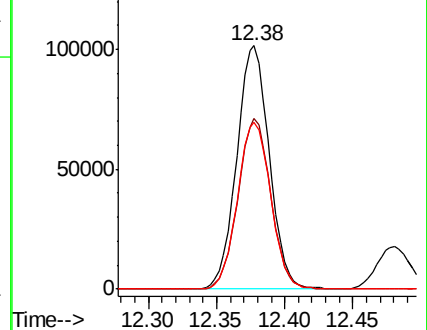
176 70.1 0.0 137.2

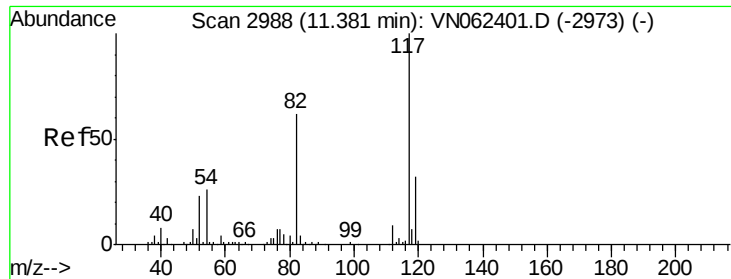


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





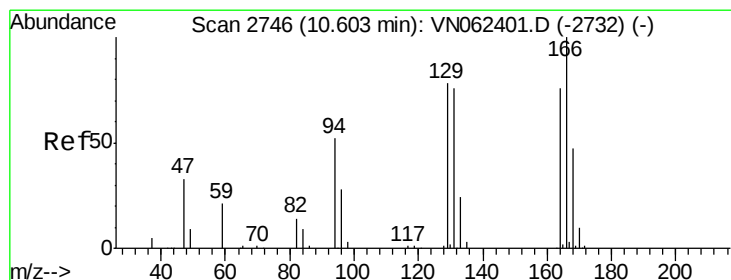
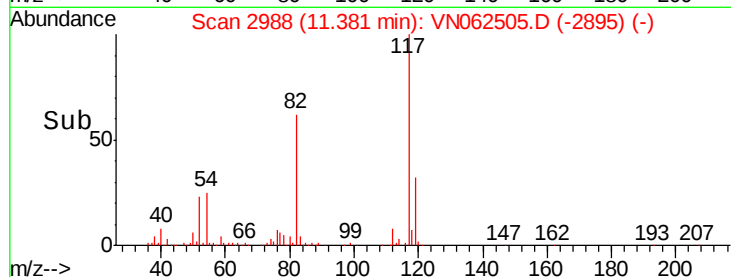
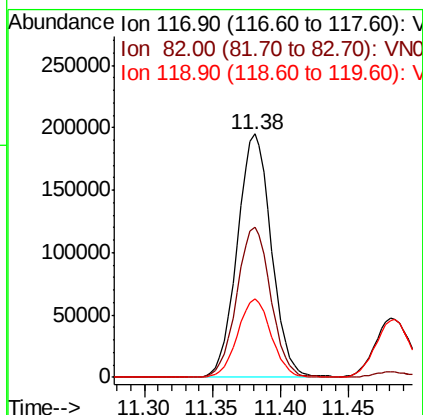
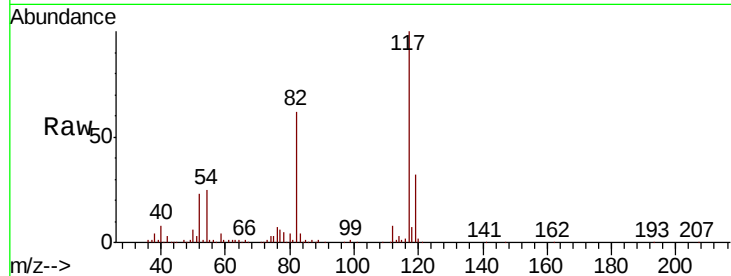
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	49.6	74.4
119	32.1	25.4	38.0

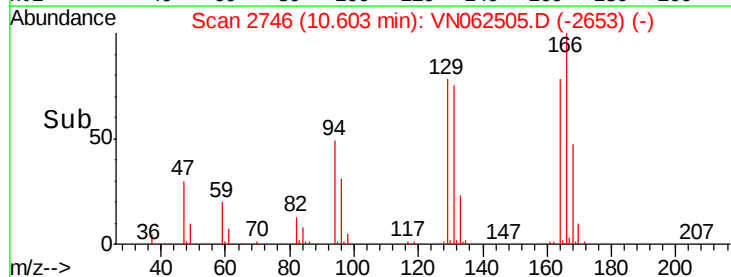
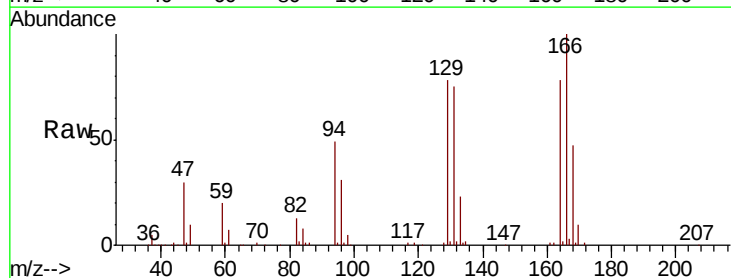
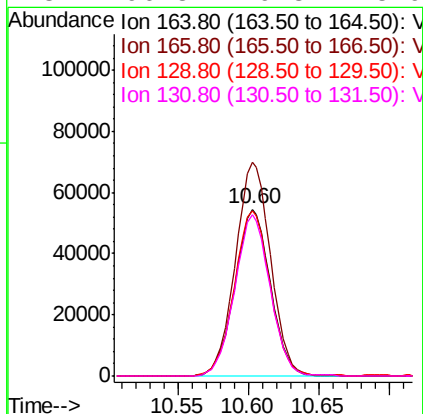
Manual Integrations
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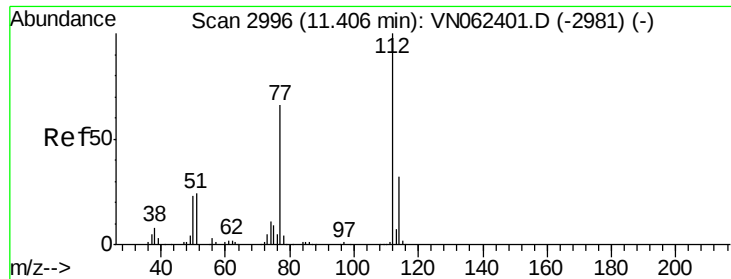
MMDadoda
7/13/2020 11:19:40 AM



#64
Tetrachloroethene
Concen: 47.886 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	104.9	157.3
129	99.4	81.8	122.6
131	96.8	79.3	118.9





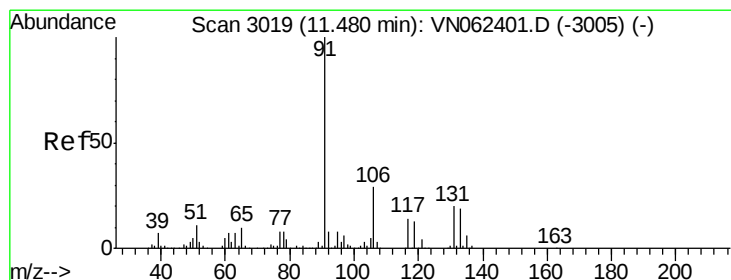
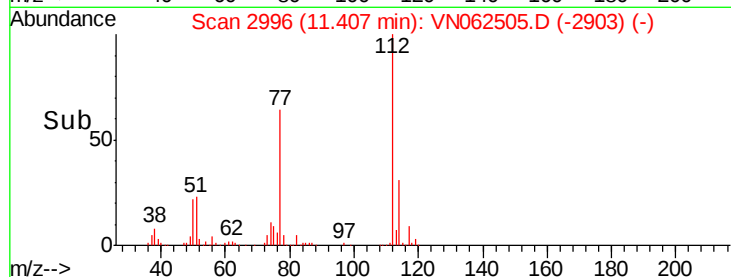
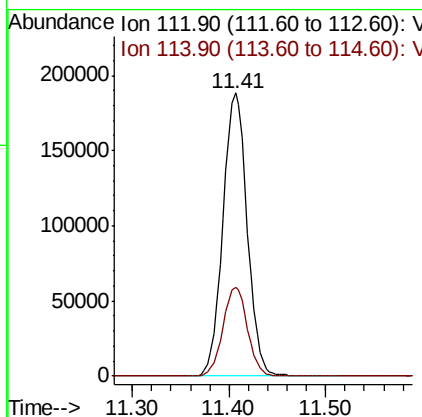
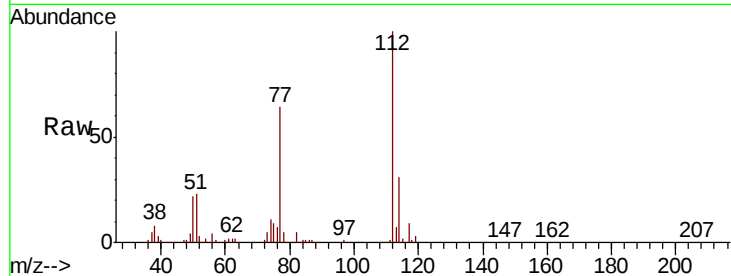
#65
Chlorobenzene
Concen: 49.897 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.9	38.9

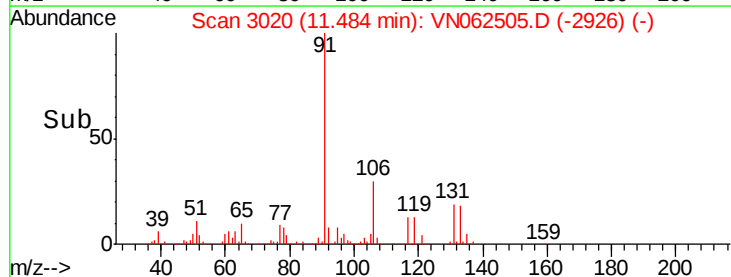
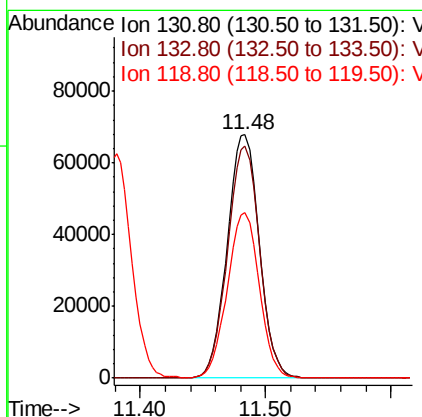
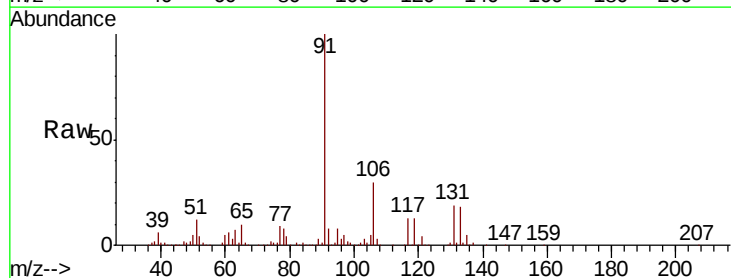
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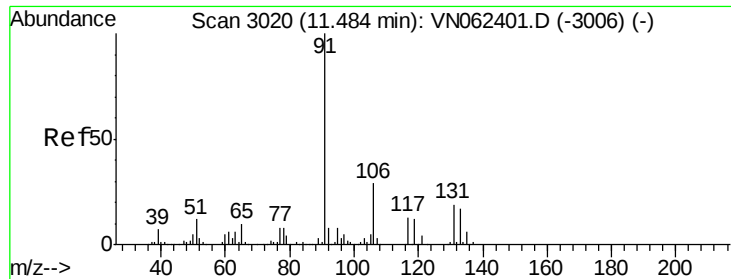
MMDadoda
7/13/2020 11:19:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.806 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	46.9	140.8
119	67.6	33.2	99.6





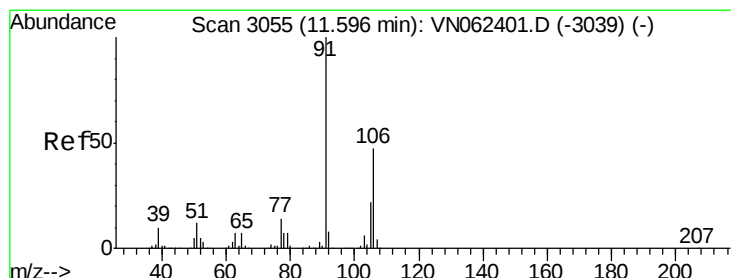
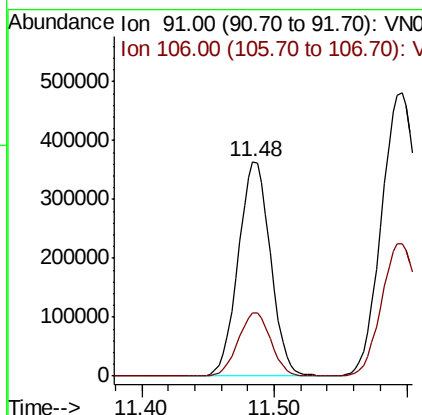
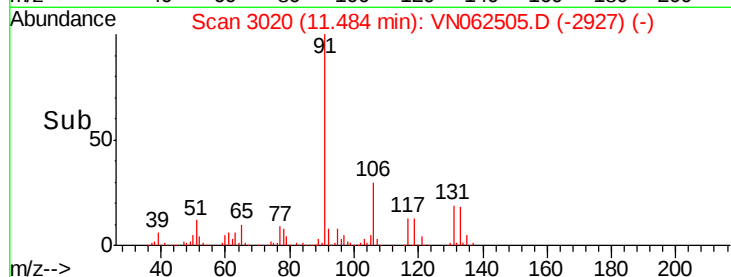
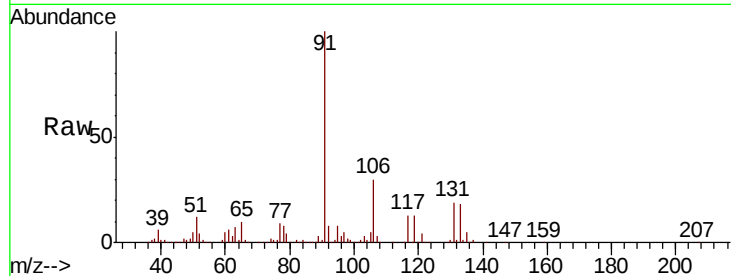
#67
Ethyl Benzene
Concen: 49.870 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 615009
Ion Ratio Lower Upper
91 100
106 29.7 23.4 35.2

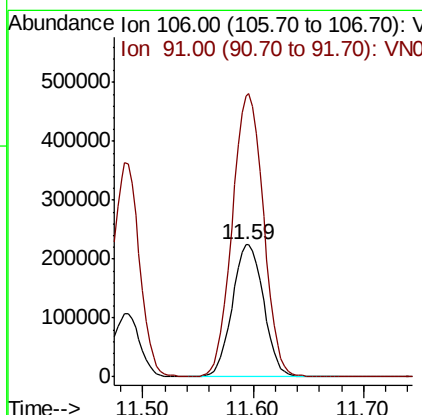
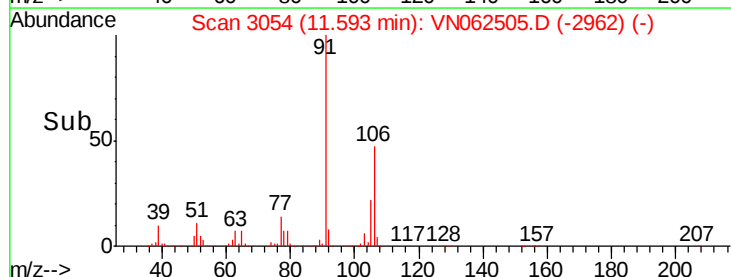
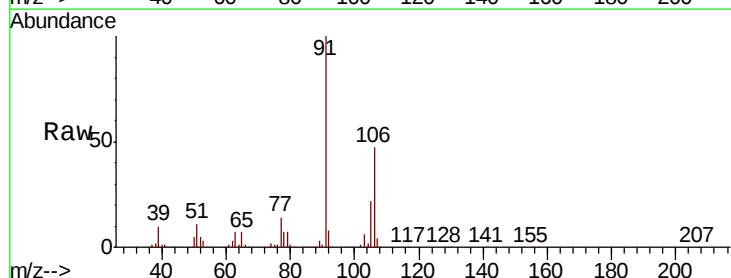
Manual Integrations
APPROVED

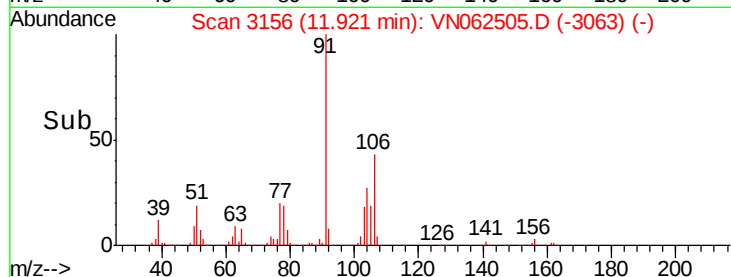
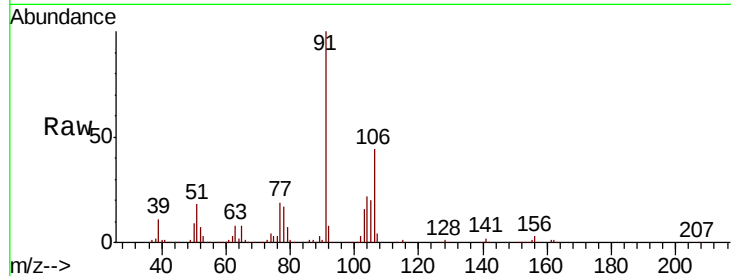
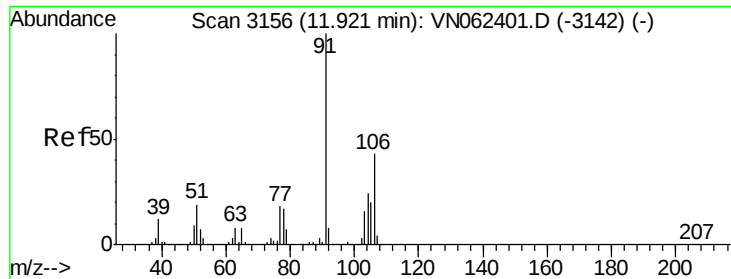
MMDadoda
7/13/2020 11:19:40 AM



#68
m/p-Xylenes
Concen: 101.001 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion: 106 Resp: 440942
Ion Ratio Lower Upper
106 100
91 213.5 172.4 258.6





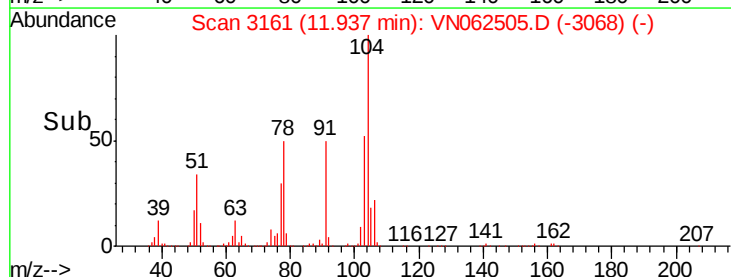
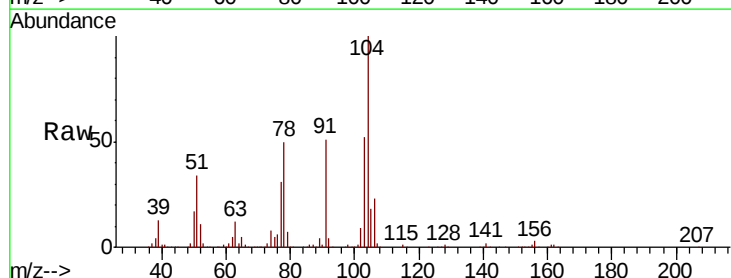
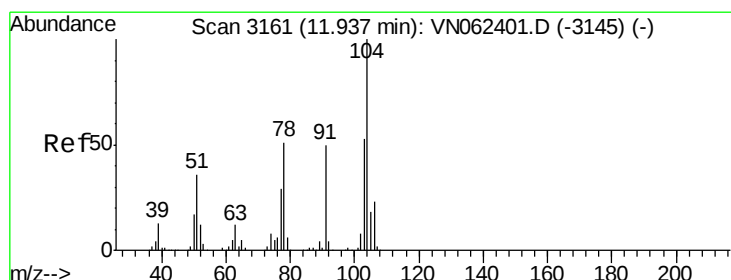
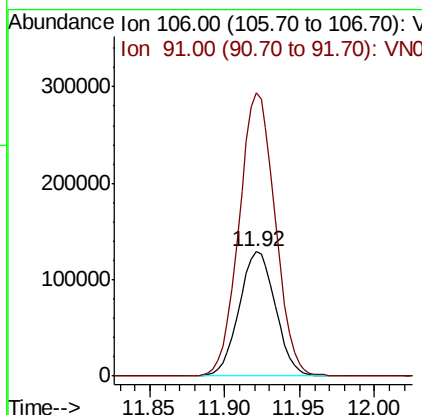
#69
o-Xylene
Concen: 51.179 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 217544
Ion Ratio Lower Upper
106 100
91 225.8 113.8 341.4

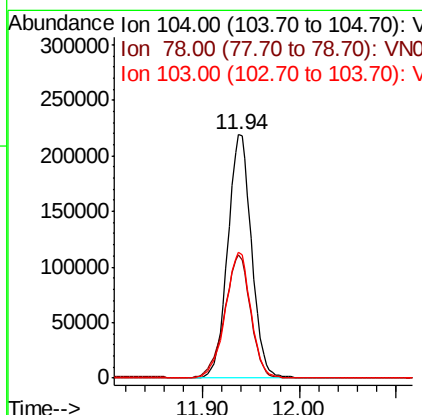
Manual Integrations
APPROVED

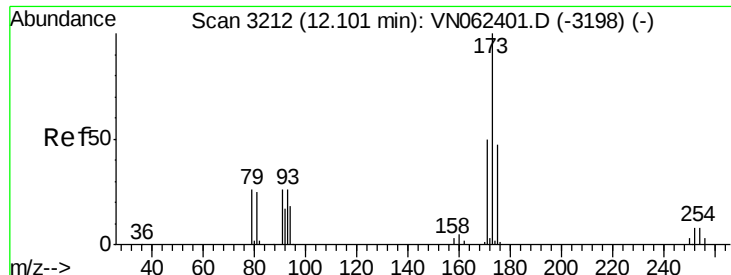
MMDadoda
7/13/2020 11:19:40 AM



#70
Styrene
Concen: 53.285 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion:104 Resp: 374332
Ion Ratio Lower Upper
104 100
78 54.5 44.2 66.4
103 54.9 44.4 66.6





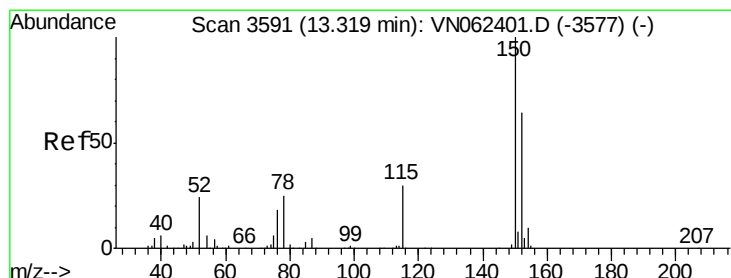
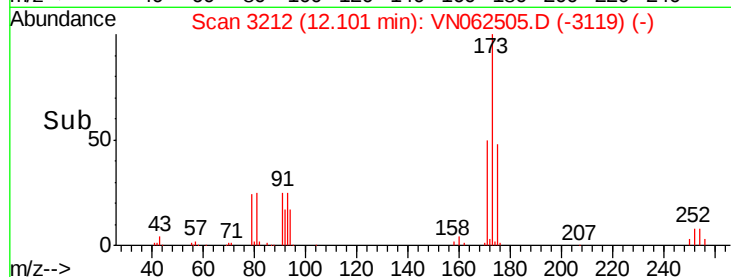
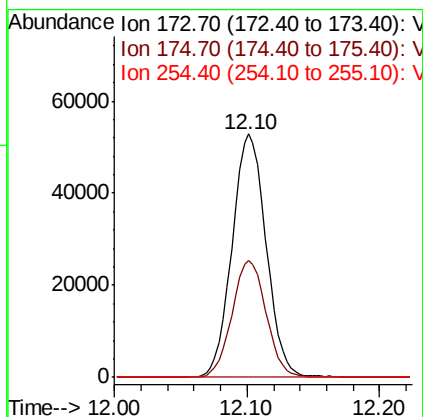
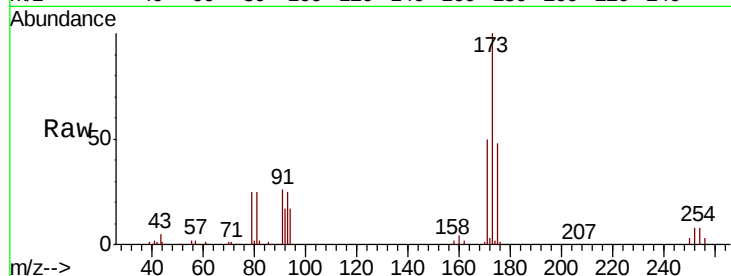
#71
Bromoform
Concen: 53.087 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.7	71.1
254	0.0	0.0	0.0

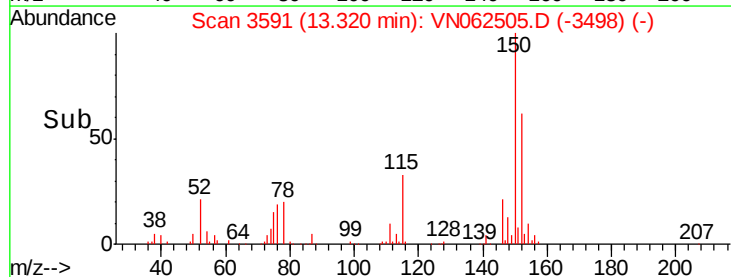
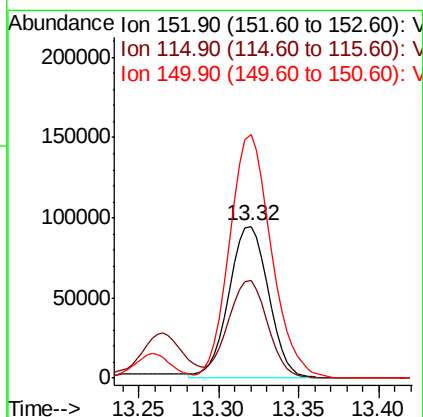
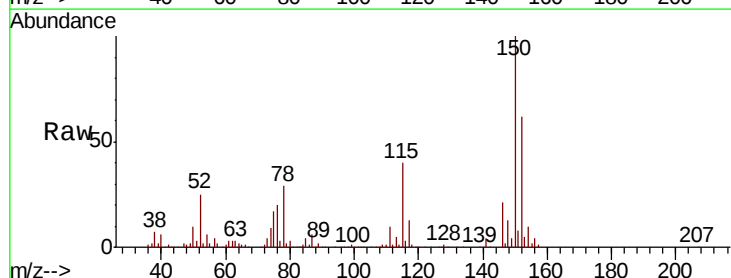
Manual Integrations
APPROVED

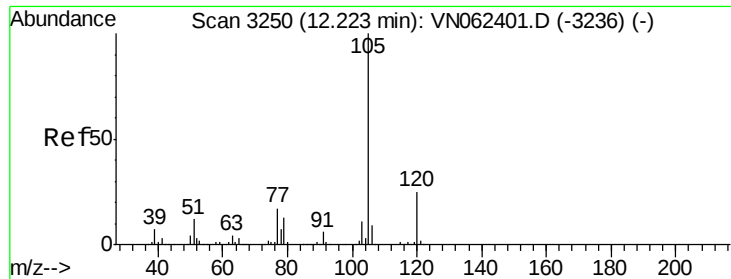
MMDadoda
7/13/2020 11:19:40 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	31.4	94.2
150	169.3	0.0	347.4





#73

Isopropylbenzene

Concen: 47.457 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 583483

Ion Ratio Lower Upper

105 100

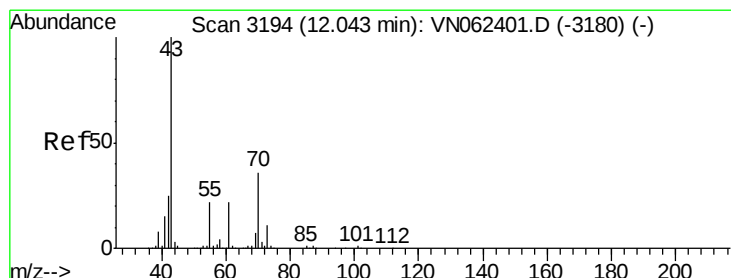
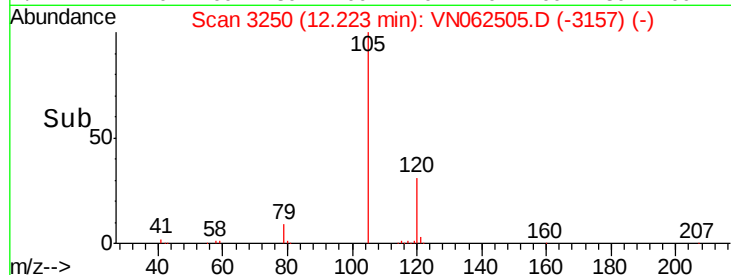
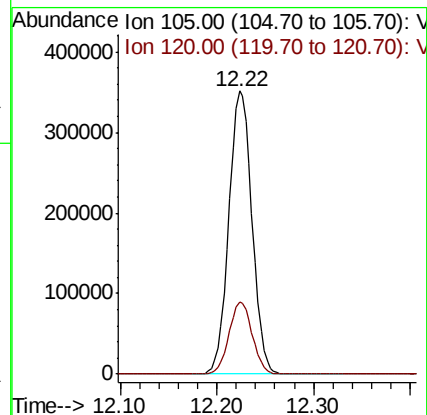
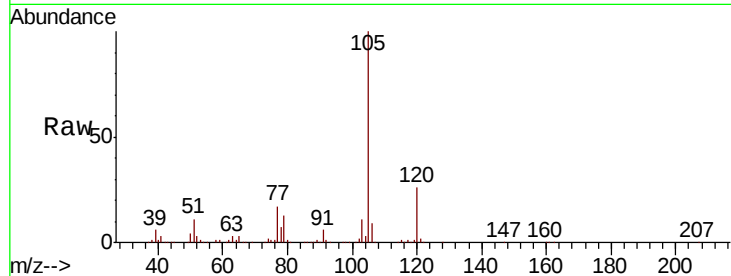
120 25.4 12.7 38.1

Manual Integrations

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MMDadoda

7/13/2020 11:19:40 AM



#74

N-ethyl acetate

Concen: 51.921 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Tgt Ion: 43 Resp: 310711

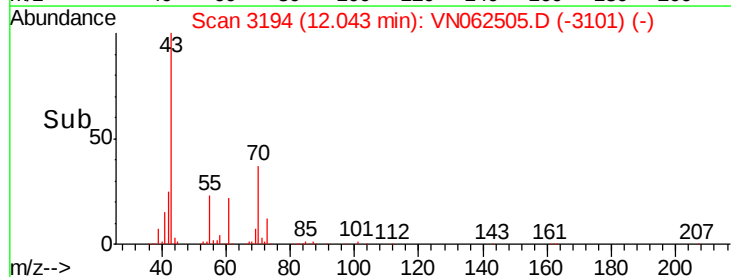
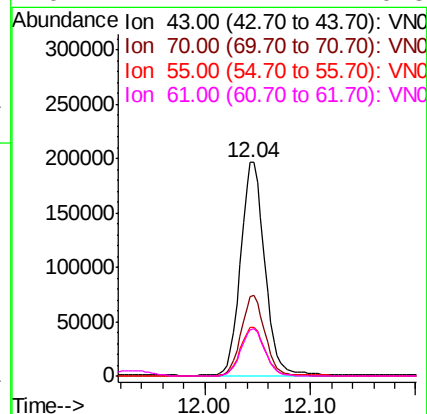
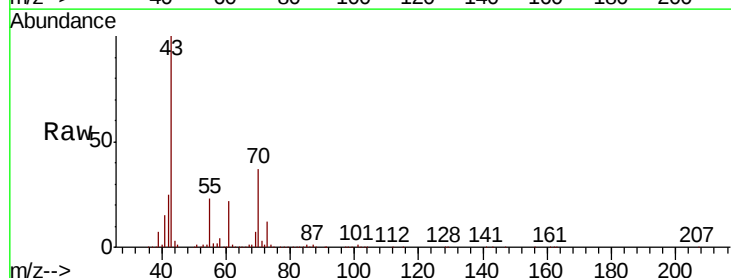
Ion Ratio Lower Upper

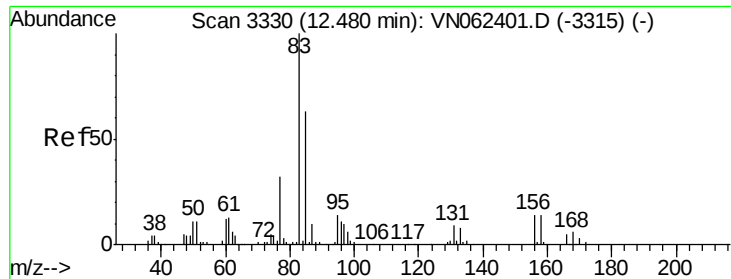
43 100

70 37.4 30.0 45.0

55 23.2 18.2 27.4

61 22.2 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.134 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

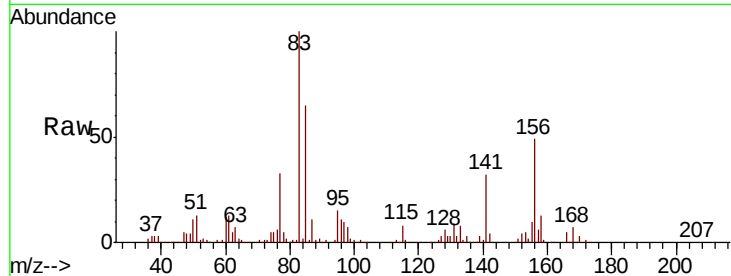
ClientSampleId :

VSTDCCC050EC

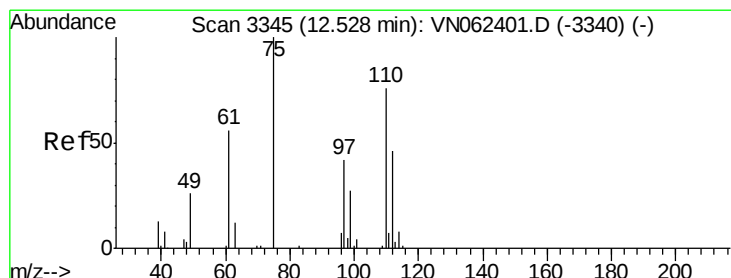
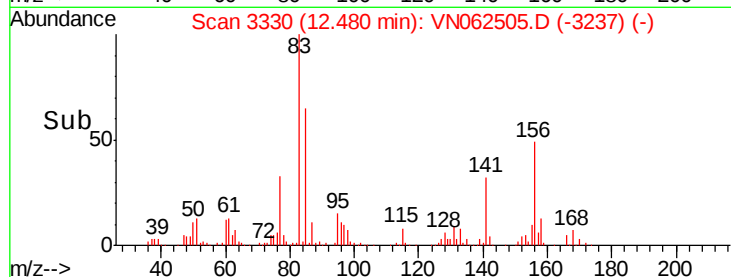
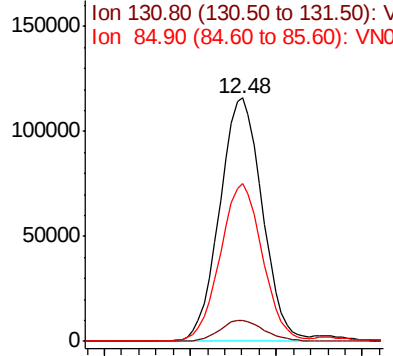
Tot Ion:	83	Resp:	198986
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.5
85	63.9	31.9	95.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN062505.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 49.132 ug/l m

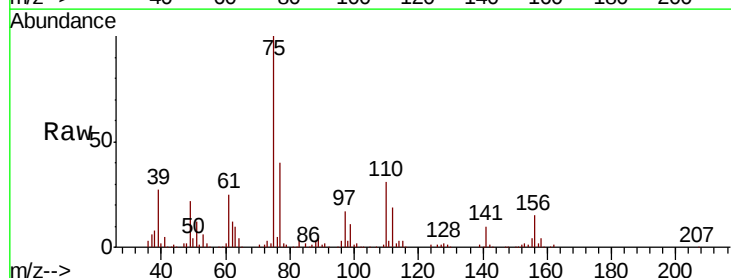
RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

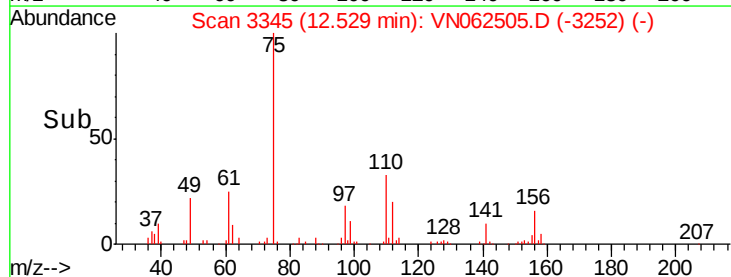
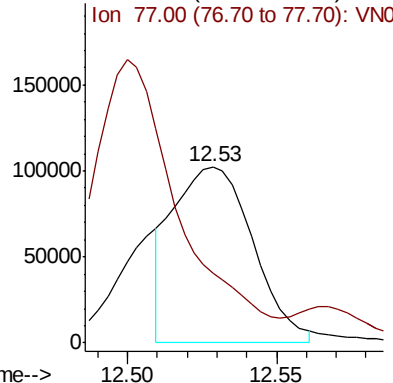
Lab File: VN062505.D

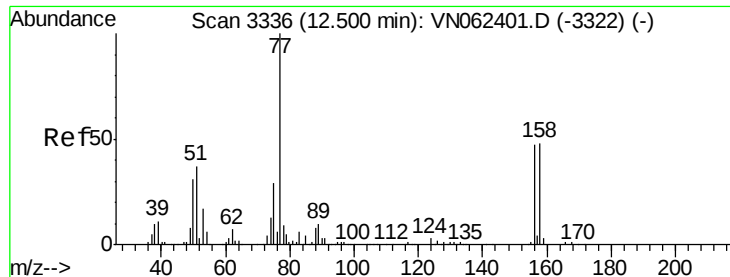
Acq: 10 Jul 2020 20:22

Tgt Ion:	75	Resp:	191541
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062505.D (-3252) (-)





#77

Bromobenzene

Concen: 57.201 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

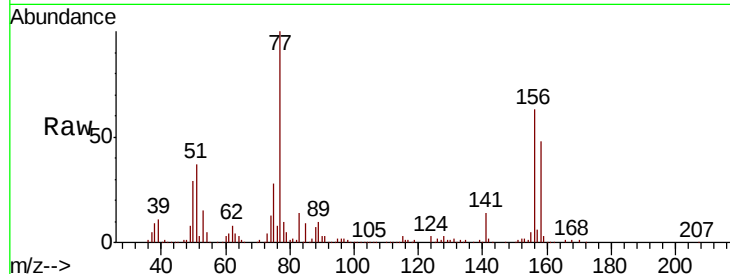
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	159886
Ion Ratio	Lower	Upper	
156	100		
77	198.6	126.4	379.3
158	83.1	49.8	149.4

Manual Integrations
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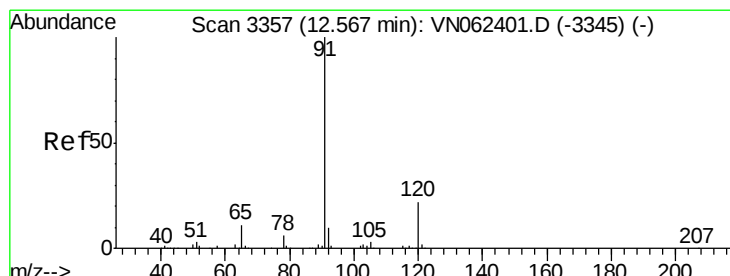
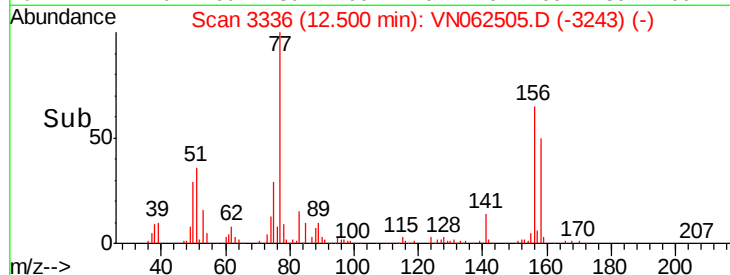
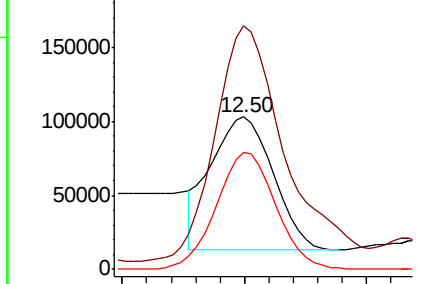
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.399 ug/l

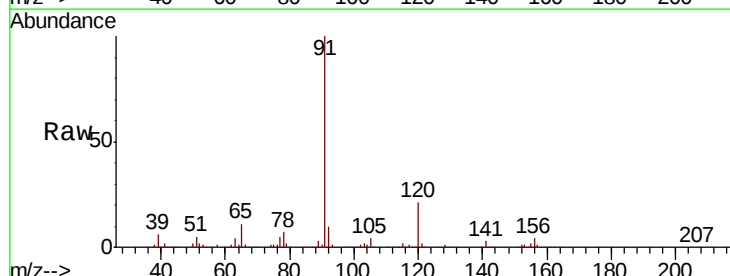
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062505.D

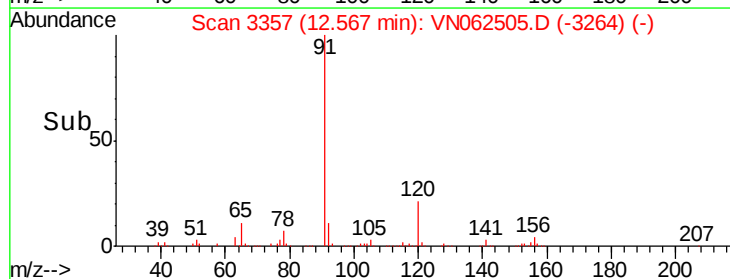
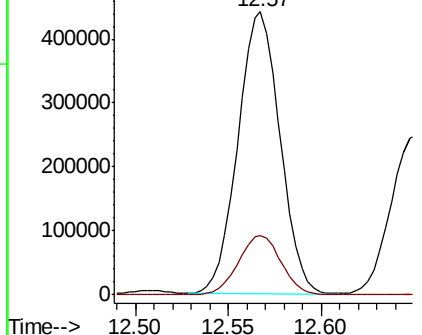
Acq: 10 Jul 2020 20:22

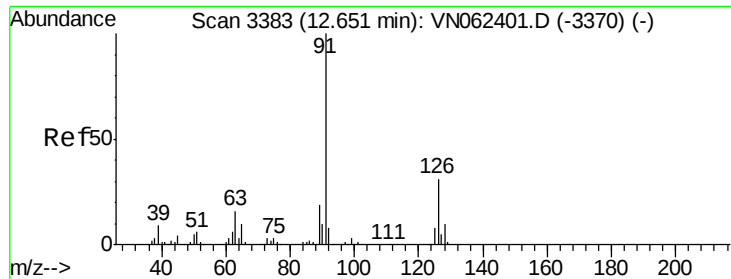
Tgt Ion:	91	Resp:	695091
Ion Ratio	Lower	Upper	
91	100		
120	21.4	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.510 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 414128

Ion Ratio Lower Upper

91 100

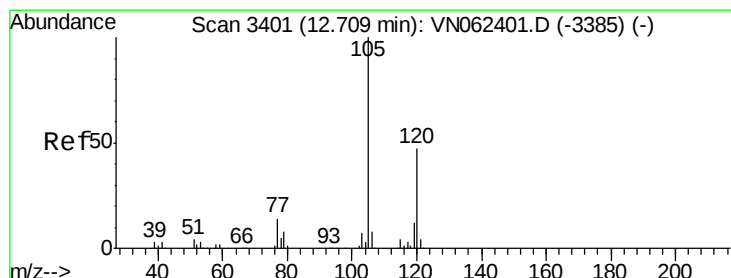
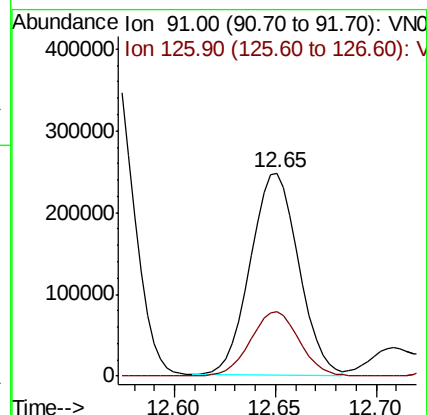
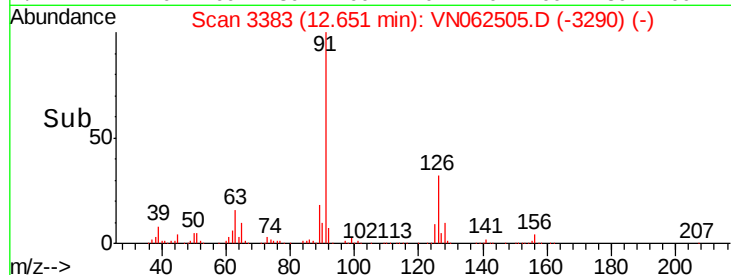
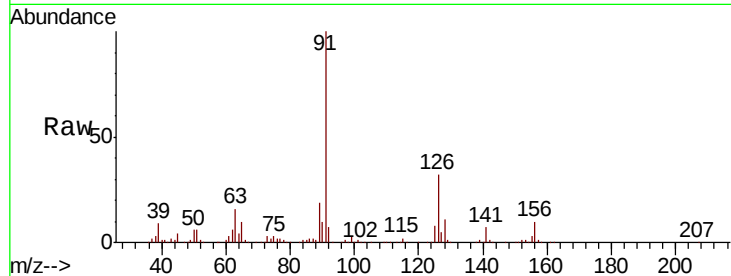
126 31.9 15.6 46.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.881 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062505.D

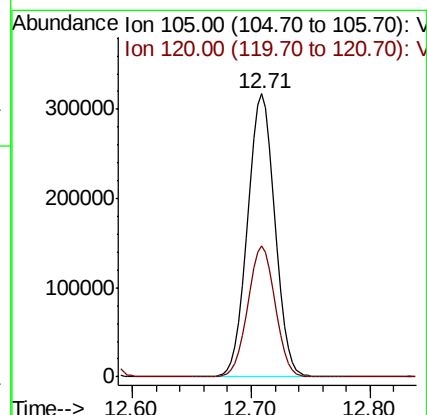
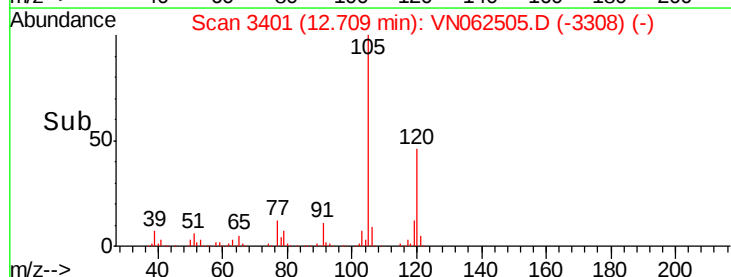
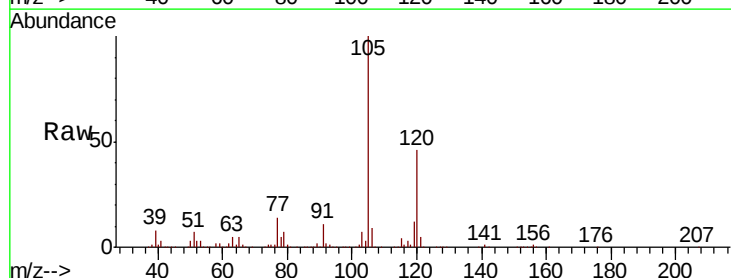
Acq: 10 Jul 2020 20:22

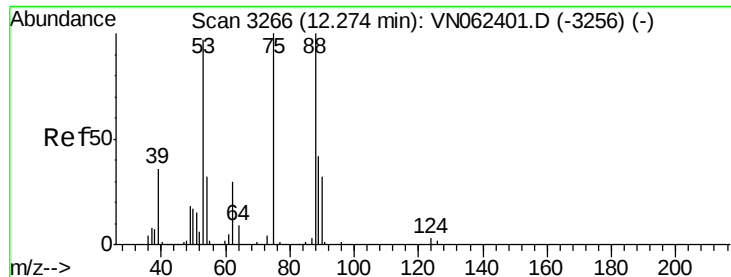
Tgt Ion: 105 Resp: 502757

Ion Ratio Lower Upper

105 100

120 46.5 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 43.573 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 75 Resp: 63466

Ion Ratio Lower Upper

75 100

53 98.8 79.2 118.8

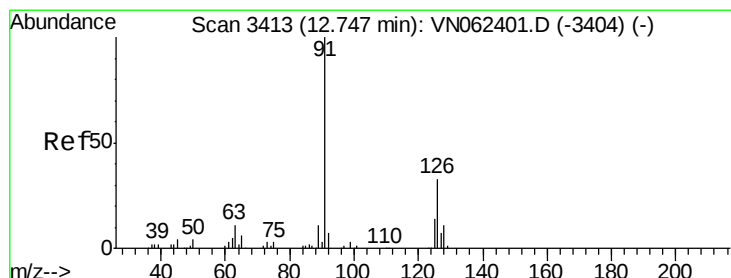
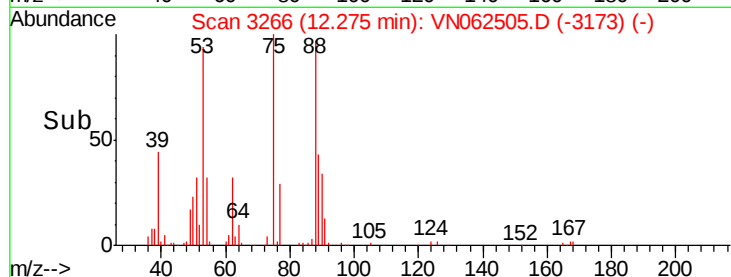
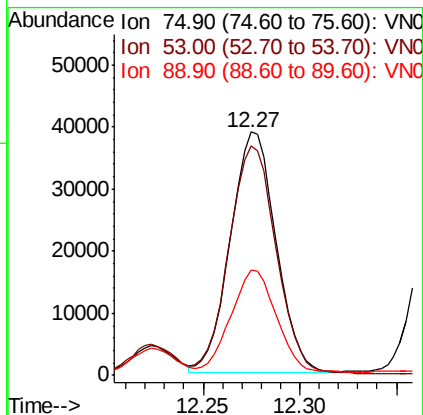
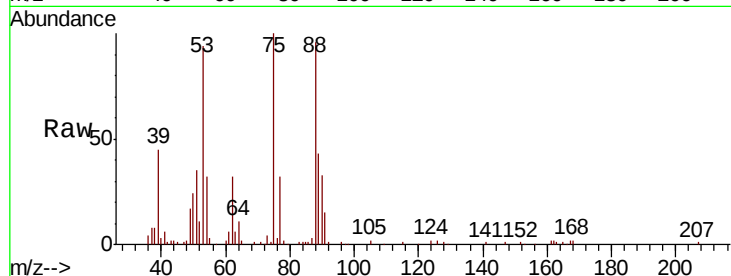
89 43.6 34.6 52.0

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7/13/2020 11:19:40 AM



#82

4-Chlorotoluene

Concen: 49.056 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062505.D

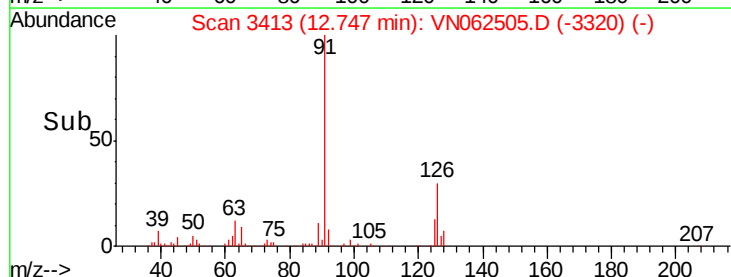
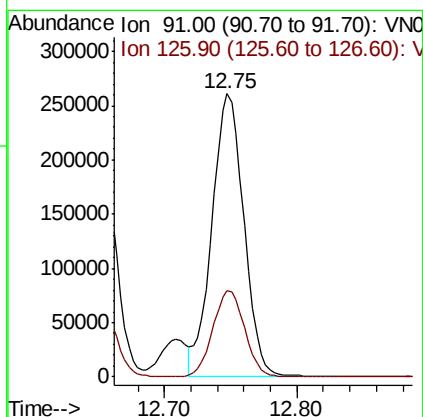
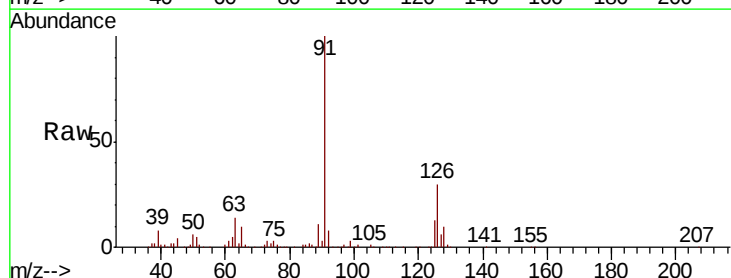
Acq: 10 Jul 2020 20:22

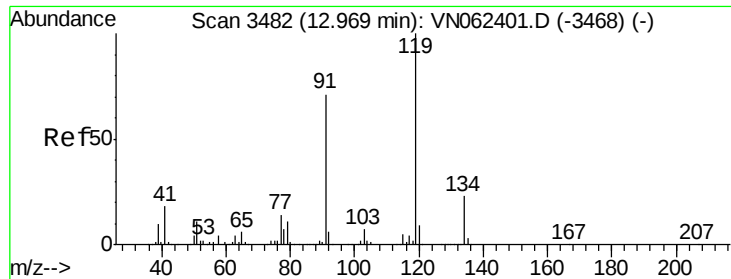
Tgt Ion: 91 Resp: 434105

Ion Ratio Lower Upper

91 100

126 30.4 15.2 45.6





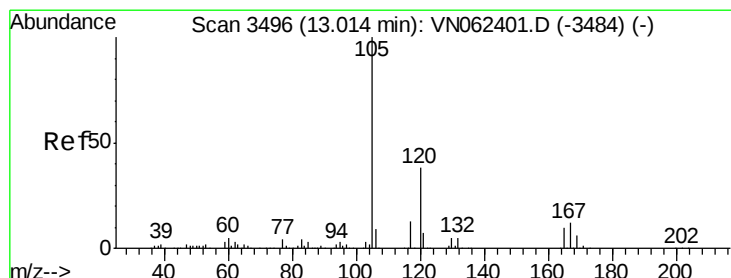
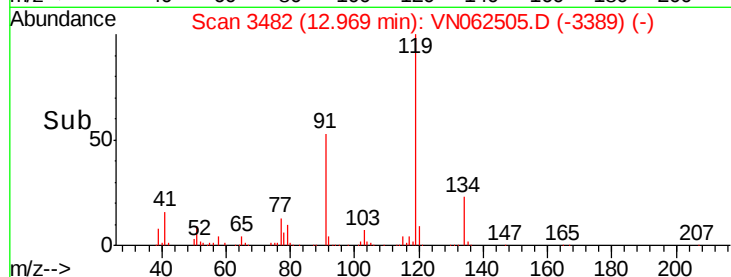
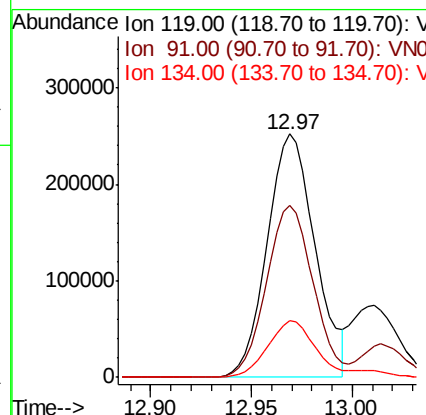
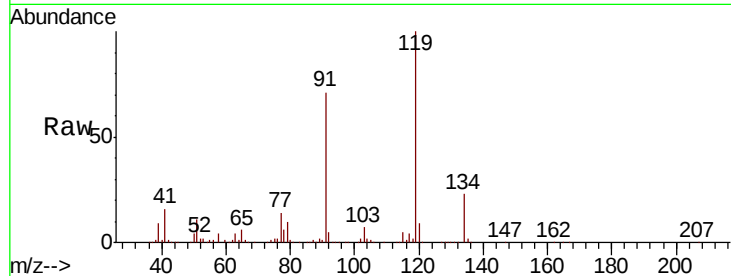
#83
tert-Butylbenzene
Concen: 48.693 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.8	104.3
134	23.3	11.7	35.0

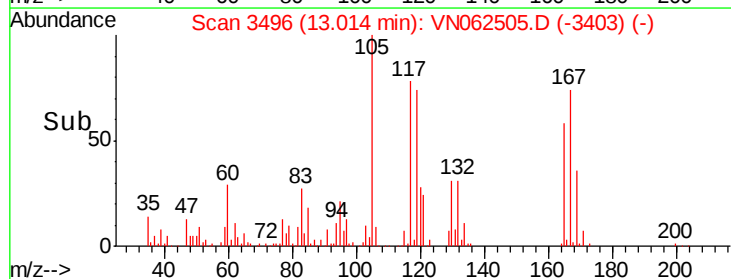
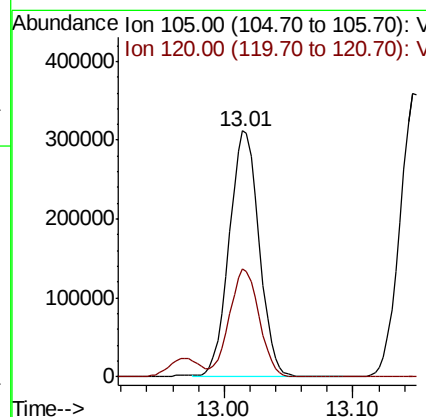
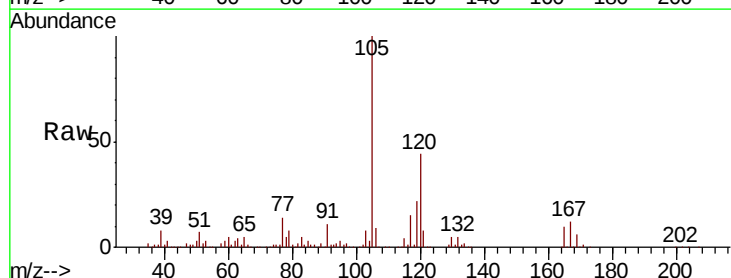
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#84
1,2,4-Trimethylbenzene
Concen: 49.829 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.6	64.8





#85

sec-Butylbenzene

Concen: 49.299 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 558761

Ion Ratio Lower Upper

105 100

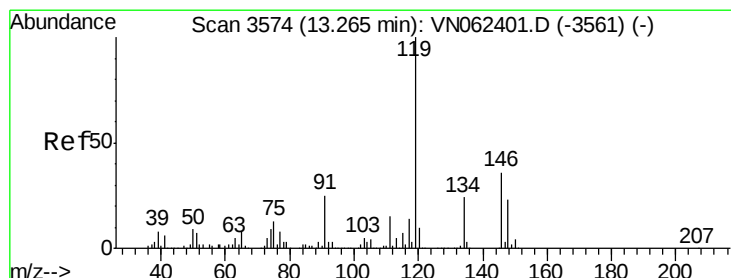
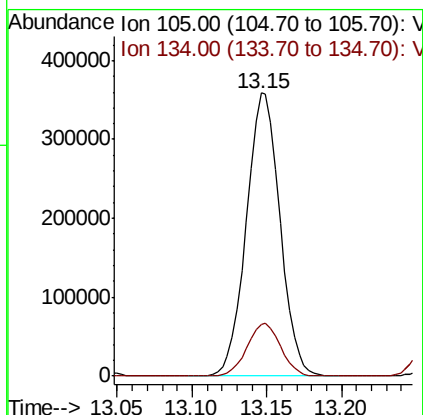
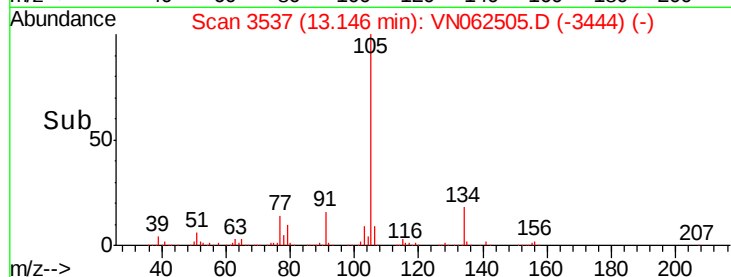
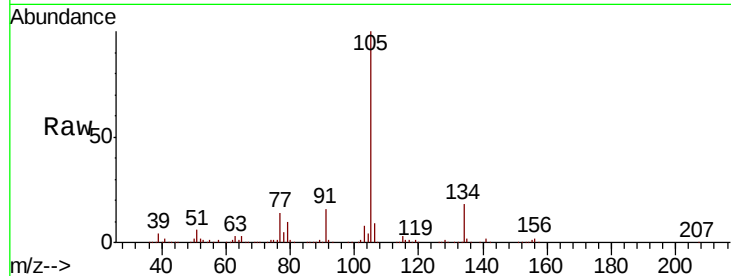
134 18.7 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 51.057 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062505.D

Acq: 10 Jul 2020 20:22

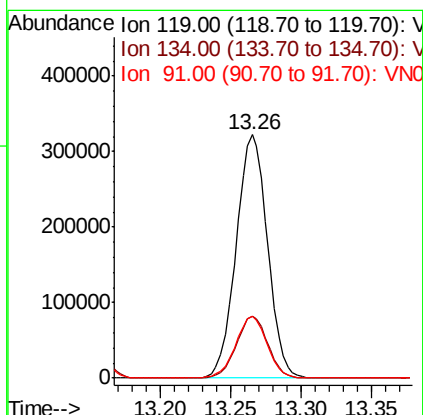
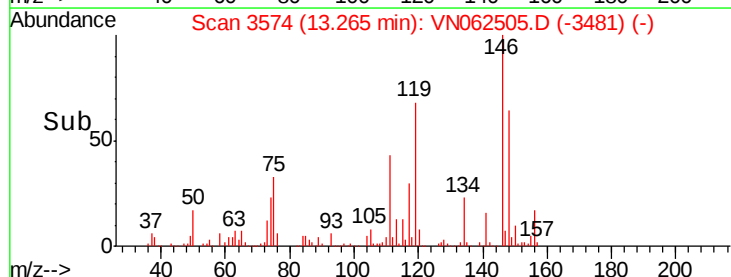
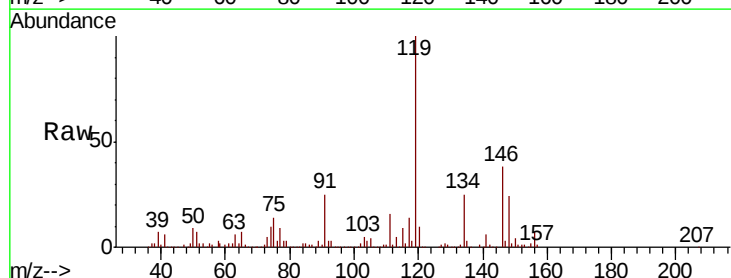
Tgt Ion:119 Resp: 499459

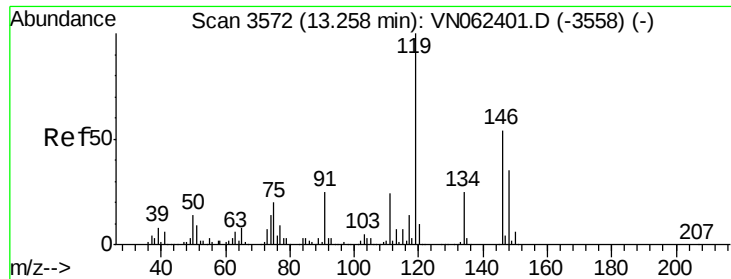
Ion Ratio Lower Upper

119 100

134 25.3 12.4 37.0

91 25.3 12.4 37.4





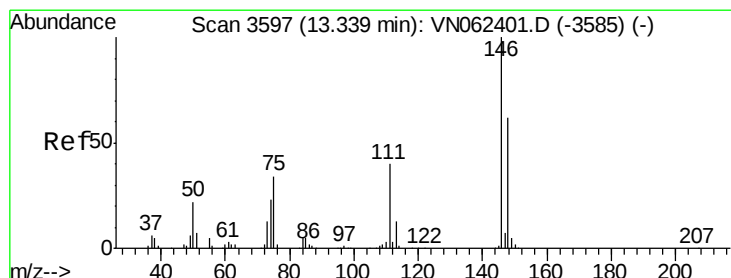
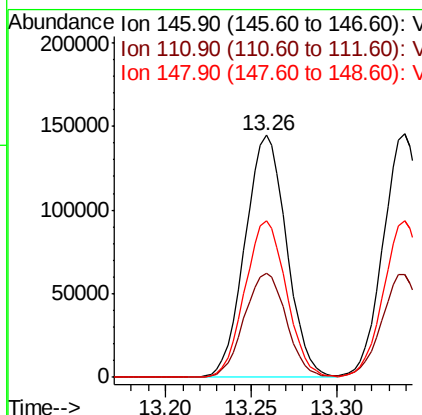
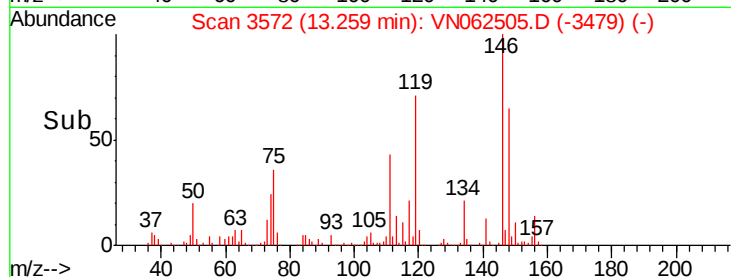
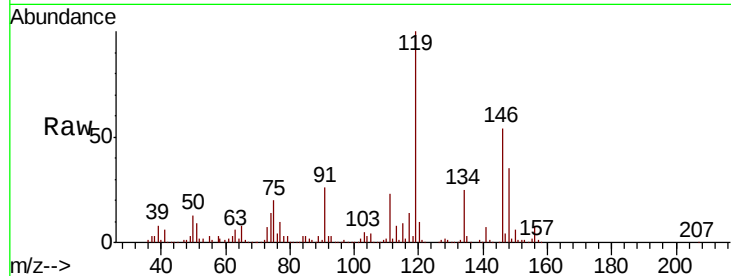
#87
 1,3-Dichlorobenzene
 Concen: 50.335 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	64.6
148	64.5	32.2	96.6

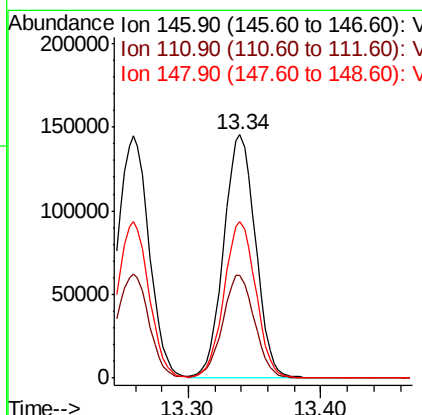
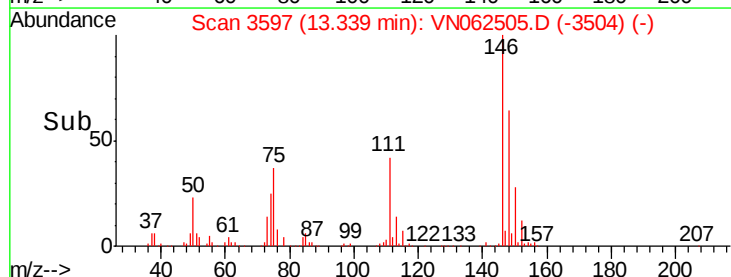
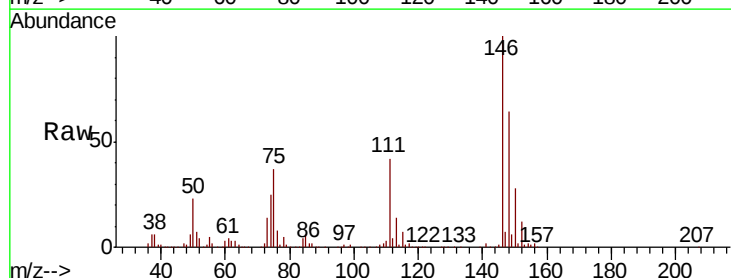
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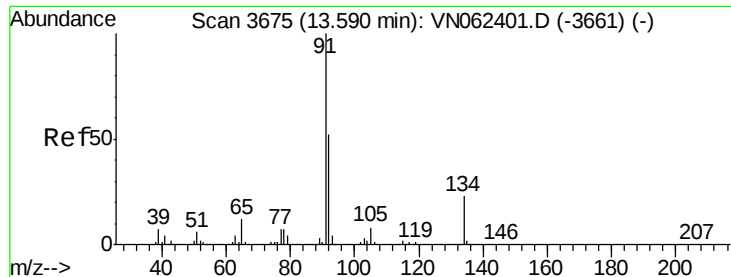
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#88
 1,4-Dichlorobenzene
 Concen: 48.643 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.1
148	64.0	31.4	94.2





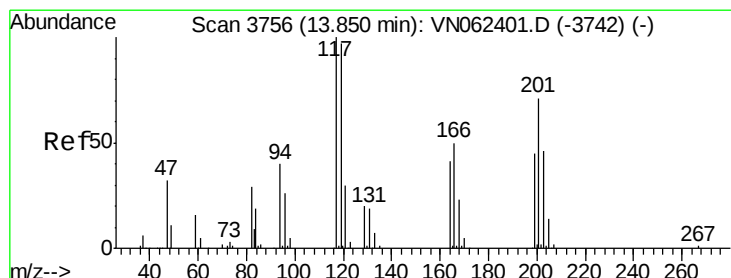
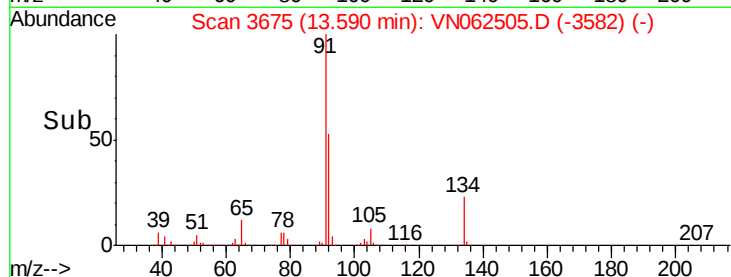
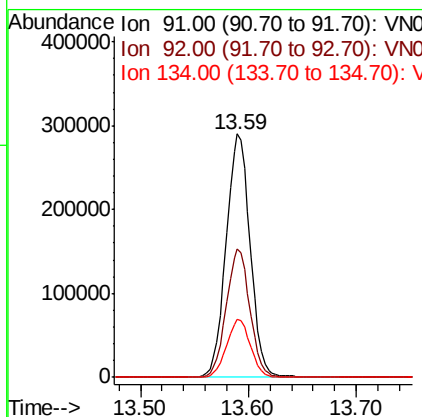
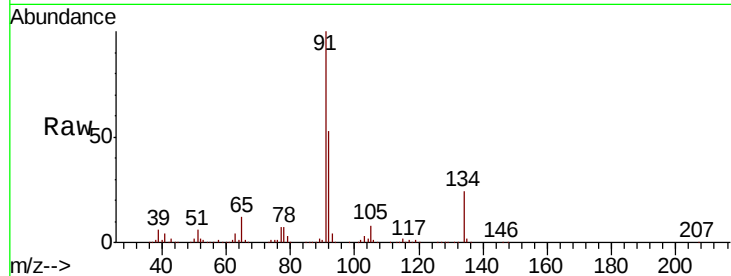
#89
n-Butylbenzene
Concen: 52.060 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.7
134	23.6	11.6	34.8

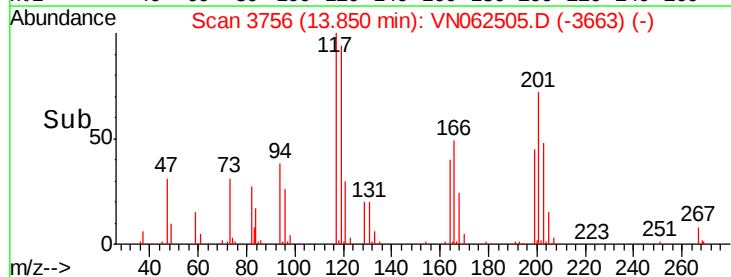
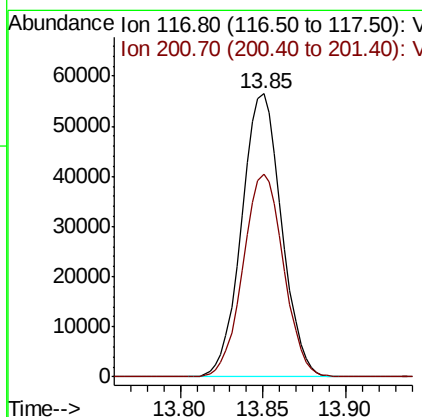
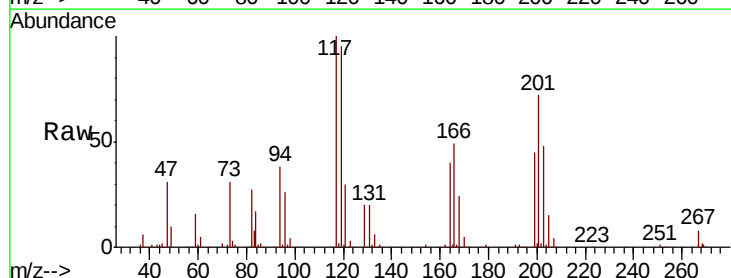
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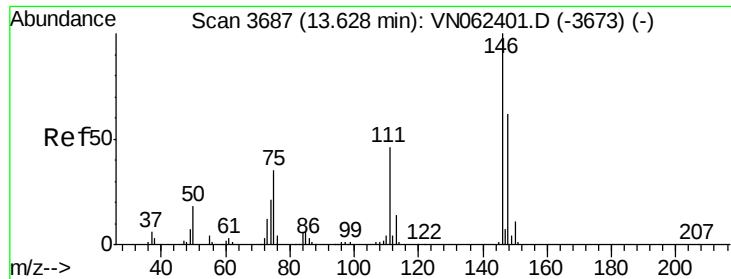
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#90
Hexachloroethane
Concen: 49.111 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.5	35.4	106.2





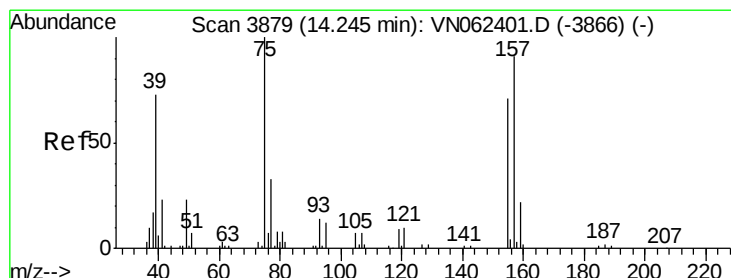
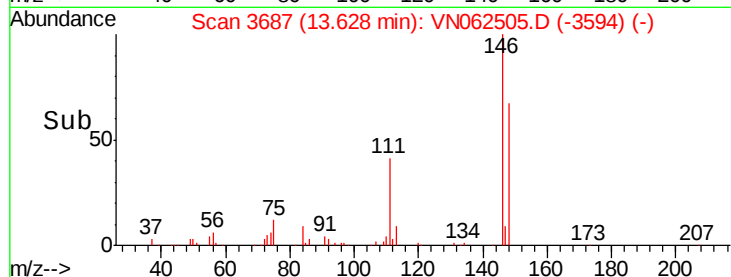
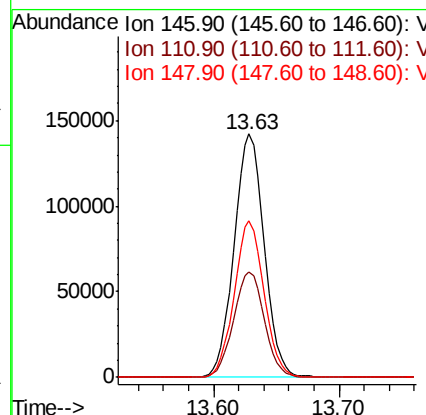
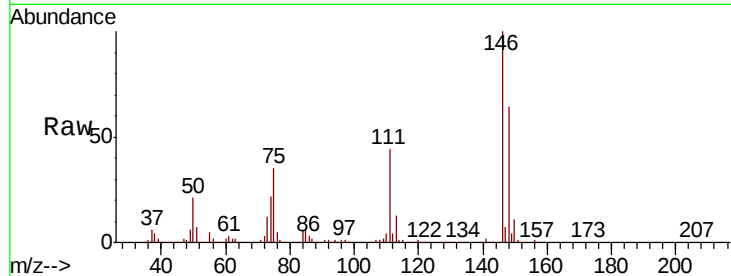
#91
 1,2-Dichlorobenzene
 Concen: 50.864 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.5	67.5
148	63.3	31.4	94.2

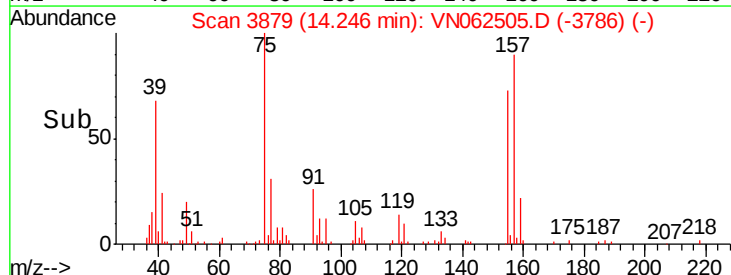
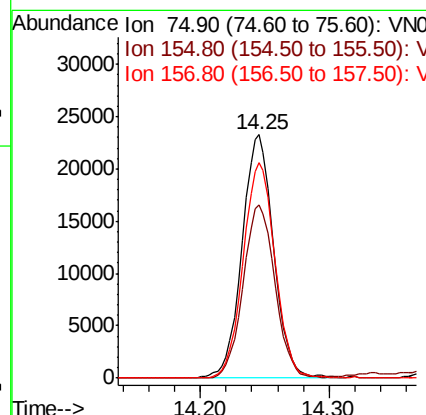
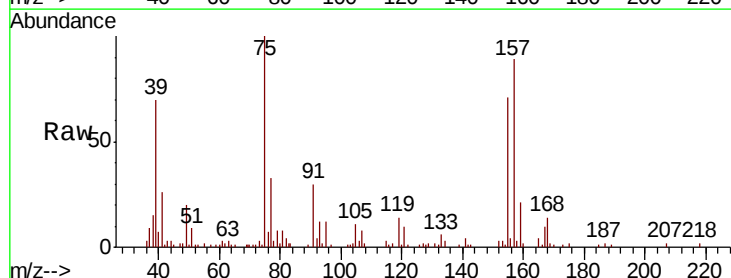
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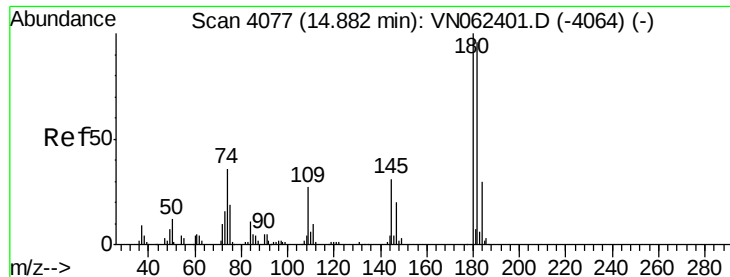
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.471 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.7	35.2	105.6
157	89.2	45.8	137.3





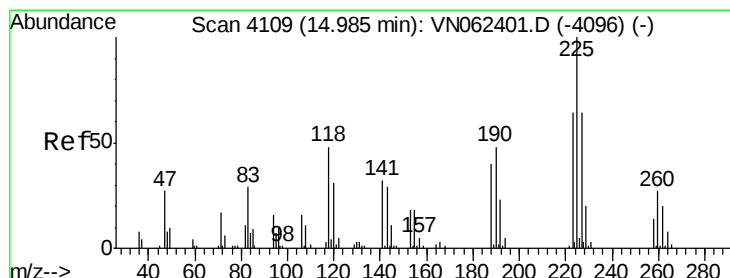
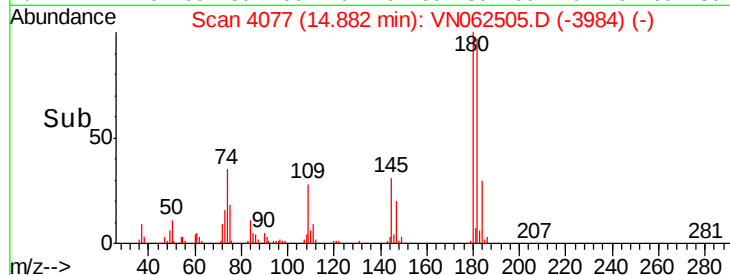
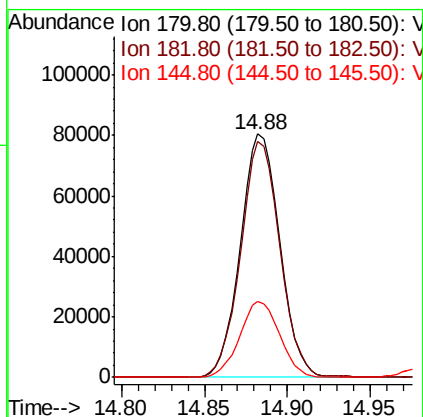
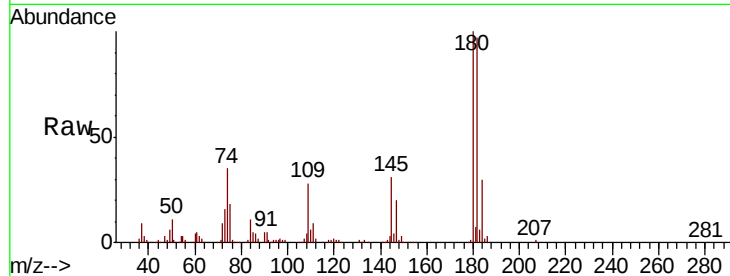
#93
 1,2,4-Trichlorobenzene
 Concen: 51.975 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.4	145.2
145	31.6	15.5	46.5

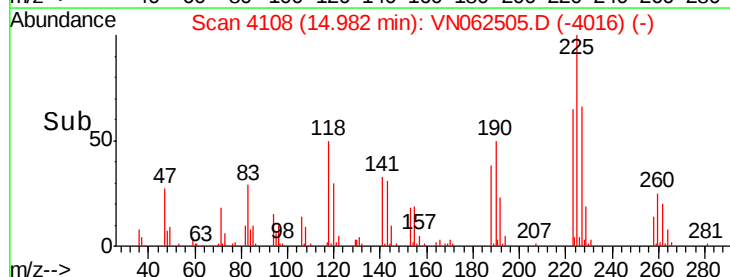
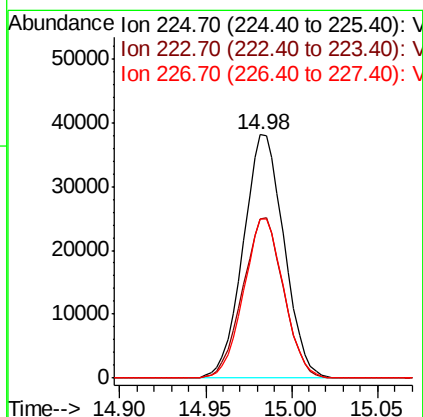
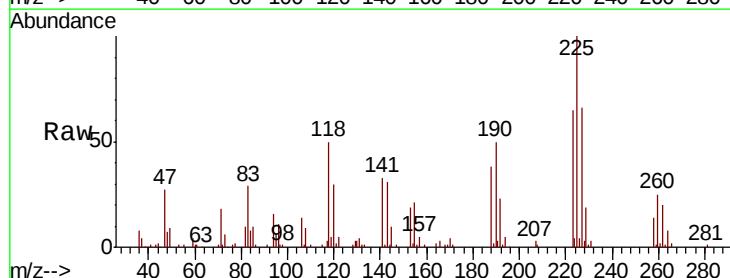
Manual Integrations
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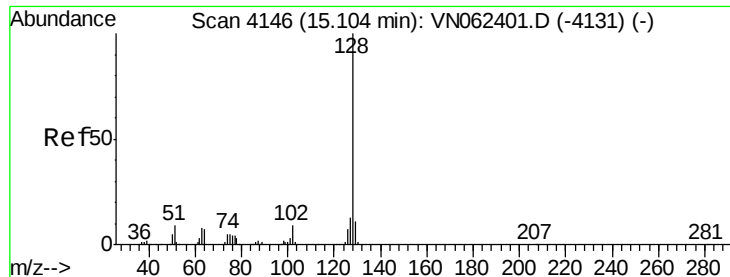
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 7/13/2020 11:19:40 AM



#94
 Hexachlorobutadiene
 Concen: 50.832 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062505.D
 Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	32.3	96.8
227	63.9	31.9	95.7





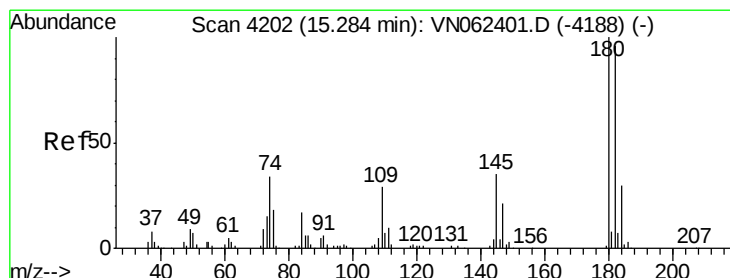
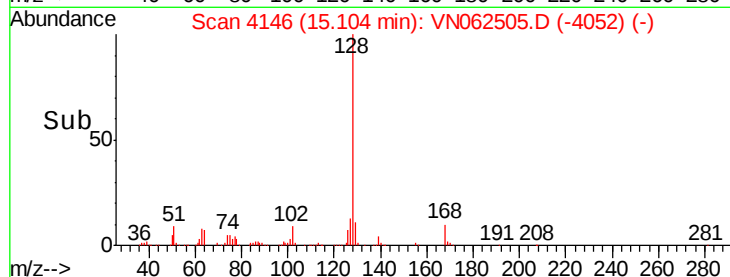
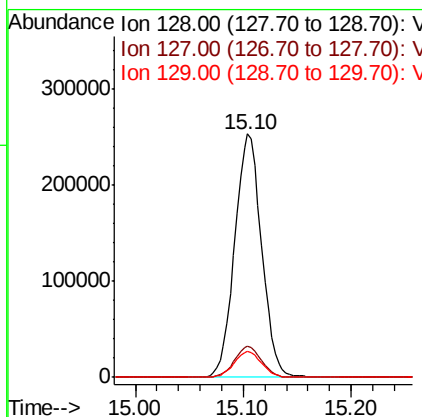
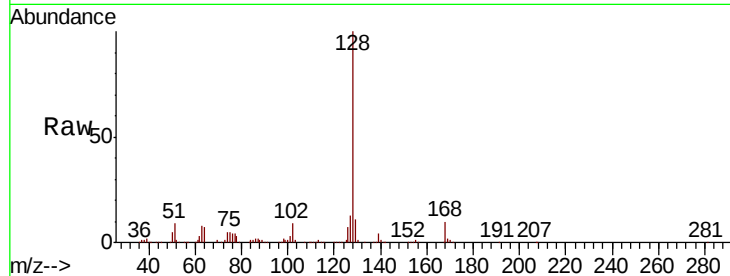
#95
Naphthalene
Concen: 68.505 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 52.598 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062505.D
Acq: 10 Jul 2020 20:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.8	143.4
145	33.0	17.0	50.9

