

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080520\
 Data File : VN062754.D
 Acq On : 5 Aug 2020 11:26
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:51:41 PM

Quant Time: Aug 05 12:50:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 12:39:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	153508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	245963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	228009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	98932	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	14067	5.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.70%	
35) Dibromofluoromethane	7.55	113	9120	5.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.28%	
50) Toluene-d8	10.06	98	34118	5.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.58%	
62) 4-Bromofluorobenzene	12.38	95	11637	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.83	85	10266	5.318	ug/l	98
3) Chloromethane	2.04	50	10651	4.381	ug/l	94
4) Vinyl Chloride	2.16	62	9823	4.604	ug/l	99
5) Bromomethane	2.51	94	7521	7.421	ug/l	97
6) Chloroethane	2.65	64	6924	6.766	ug/l	97
7) Trichlorofluoromethane	2.98	101	18610	6.969	ug/l	98
8) Diethyl Ether	3.37	74	5663	4.932	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	9213	5.778	ug/l	99
10) Methyl Iodide	3.91	142	7423	3.698	ug/l #	94
11) Tert butyl alcohol	4.75	59	10843	27.772	ug/l #	85
12) 1,1-Dichloroethene	3.69	96	8717	5.455	ug/l	90
13) Acrolein	3.57	56	7356	21.761	ug/l	98
14) Allyl chloride	4.27	41	15541	4.596	ug/l	96
15) Acrylonitrile	4.94	53	25071	24.877	ug/l	97
16) Acetone	3.78	43	24138	26.872	ug/l	100
17) Carbon Disulfide	4.01	76	26814	5.187	ug/l	96
18) Methyl Acetate	4.29	43	12700	5.580	ug/l #	72
19) Methyl tert-butyl Ether	4.99	73	30051	4.969	ug/l	95
20) Methylene Chloride	4.51	84	10470m	4.995	ug/l	
21) trans-1,2-Dichloroethene	4.98	96	9243m	5.220	ug/l	
22) Diisopropyl ether	5.90	45	29542	4.310	ug/l #	85
23) Vinyl Acetate	5.85	43	123885	22.586	ug/l	96
24) 1,1-Dichloroethane	5.80	63	19685	5.299	ug/l	99
25) 2-Butanone	6.79	43	33263	24.525	ug/l	99
26) 2,2-Dichloropropane	6.77	77	16978	5.461	ug/l #	69
27) cis-1,2-Dichloroethene	6.78	96	9995	4.918	ug/l	95
28) Bromochloromethane	7.15	49	8456	4.665	ug/l #	96
29) Tetrahydrofuran	7.17	42	21630	23.675	ug/l	98
30) Chloroform	7.33	83	20201	5.615	ug/l	95
31) Cyclohexane	7.62	56	18434	5.360	ug/l #	76
32) 1,1,1-Trichloroethane	7.53	97	18472	6.061	ug/l	98
36) 1,1-Dichloropropene	7.75	75	13303	5.158	ug/l	97
37) Ethyl Acetate	6.88	43	14002	5.079	ug/l #	85
38) Carbon Tetrachloride	7.73	117	15823	6.234	ug/l	98

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 ALS Vial : 4 Sample Multiplier: 1

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 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 12:39:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	14322	5.074	ug/l	98
40) Benzene	8.00	78	40239	5.189	ug/l	99
41) Methacrylonitrile	7.13	41	5971	4.879	ug/l #	53
42) 1,2-Dichloroethane	8.09	62	17192	5.907	ug/l	95
43) Isopropyl Acetate	8.13	43	22558	5.069	ug/l	97
44) Trichloroethene	8.80	130	9906	5.607	ug/l	99
45) 1,2-Dichloropropane	9.08	63	10591	4.867	ug/l	100
46) Dibromomethane	9.17	93	7192	5.623	ug/l	100
47) Bromodichloromethane	9.37	83	15049	5.368	ug/l	94
48) Methyl methacrylate	9.17	41	10906	5.108	ug/l	94
49) 1,4-Dioxane	9.17	88	3881	113.604	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	69156	25.515	ug/l	98
52) Toluene	10.12	92	24256	5.330	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	16166	5.217	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	16550	5.048	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	9641	5.405	ug/l	96
56) Ethyl methacrylate	10.40	69	13906	4.887	ug/l	96
57) 1,3-Dichloropropane	10.68	76	17127	5.269	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	21063	26.259	ug/l	98
59) 2-Hexanone	10.72	43	49869	25.736	ug/l	98
60) Dibromochloromethane	10.88	129	11285	5.619	ug/l	97
61) 1,2-Dibromoethane	10.98	107	10009	5.405	ug/l	99
64) Tetrachloroethene	10.60	164	8631	5.833	ug/l	92
65) Chlorobenzene	11.41	112	26164	5.486	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	10713	5.880	ug/l	97
67) Ethyl Benzene	11.48	91	45353	5.190	ug/l	99
68) m/p-Xylenes	11.60	106	32025	10.171	ug/l	98
69) o-Xylene	11.92	106	15396	5.139	ug/l	97
70) Styrene	11.94	104	24651	4.852	ug/l	99
71) Bromoform	12.10	173	7876	5.690	ug/l #	95
73) Isopropylbenzene	12.23	105	41368	5.311	ug/l	99
74) N-amyl acetate	12.05	43	14691	4.319	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	14923	5.532	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	15495m	6.125	ug/l	
77) Bromobenzene	12.50	156	10381	5.535	ug/l	95
78) n-propylbenzene	12.57	91	47468	5.213	ug/l	98
79) 2-Chlorotoluene	12.65	91	30666	5.451	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	34785	5.359	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	4431	4.897	ug/l	92
82) 4-Chlorotoluene	12.75	91	30799	5.256	ug/l	99
83) tert-Butylbenzene	12.97	119	30012	5.559	ug/l	96
84) 1,2,4-Trimethylbenzene	13.02	105	32921	5.168	ug/l	99
85) sec-Butylbenzene	13.15	105	38599	5.343	ug/l	99
86) p-Isopropyltoluene	13.26	119	32816	5.251	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	17524	5.283	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	17344	5.332	ug/l	93
89) n-Butylbenzene	13.59	91	26751	5.001	ug/l	98
90) Hexachloroethane	13.85	117	8072	6.064	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	16391	5.200	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2999	5.901	ug/l	92

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ALS Vial : 4 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :
VSTDICC005

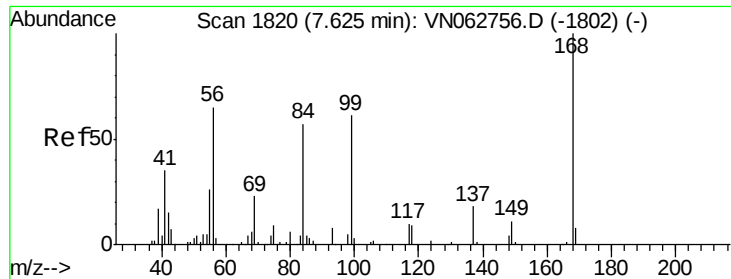
Manual Integrations
APPROVED

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8/6/2020 1:51:41 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 12:39:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	5553	3.800	ug/l	94
94) Hexachlorobutadiene	14.99	225	5895	6.123	ug/l	98
95) Naphthalene	15.10	128	13072	3.243	ug/l	97
96) 1,2,3-Trichlorobenzene	15.29	180	5722	3.841	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: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 153508

Ion Ratio Lower Upper

168 100

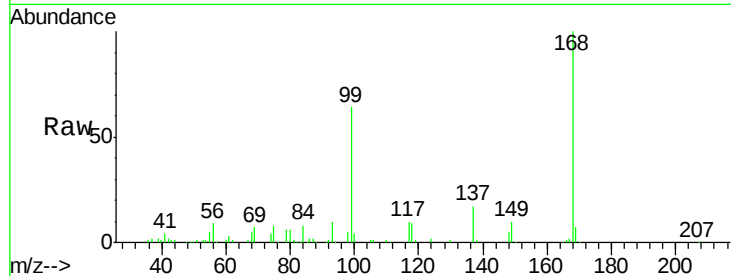
99 64.2 52.9 79.3

Manual Integrations

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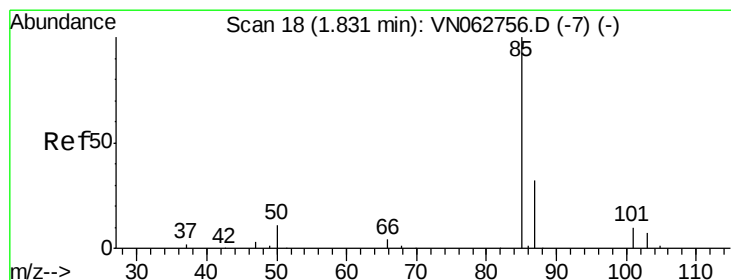
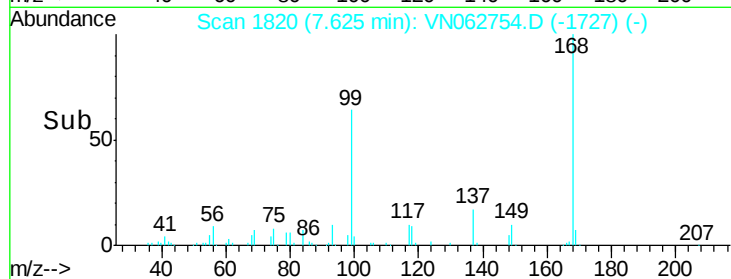
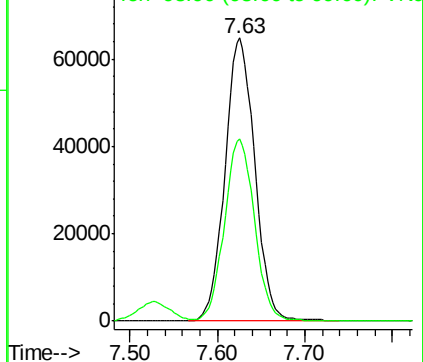
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 5.318 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062754.D

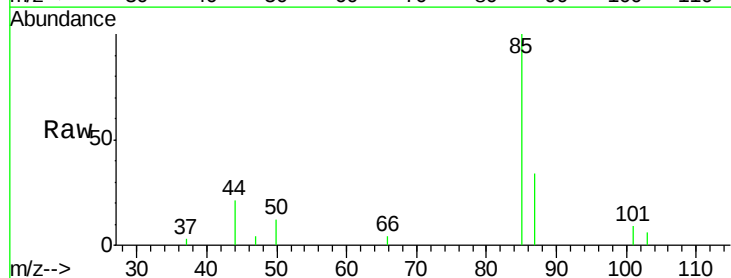
Acq: 5 Aug 2020 11:26

Tgt Ion: 85 Resp: 10266

Ion Ratio Lower Upper

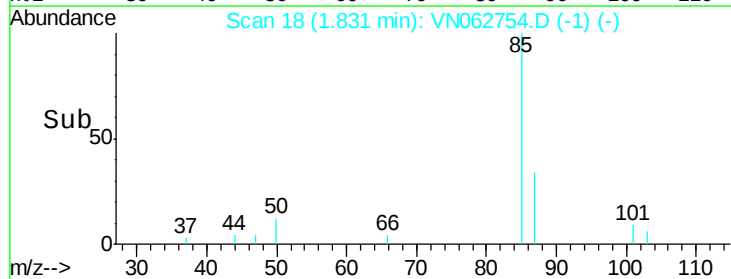
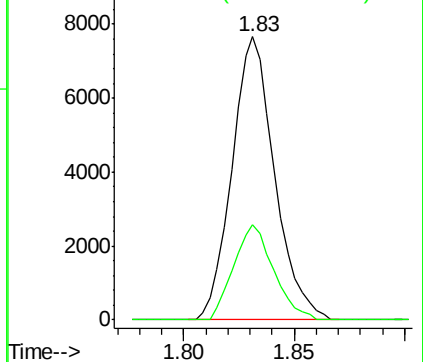
85 100

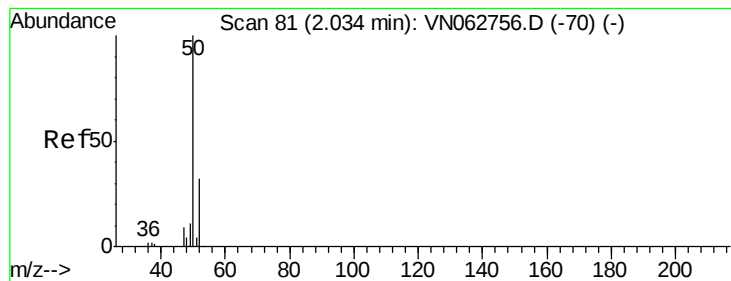
87 33.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 4.381 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 10651

Ion Ratio Lower Upper

50 100

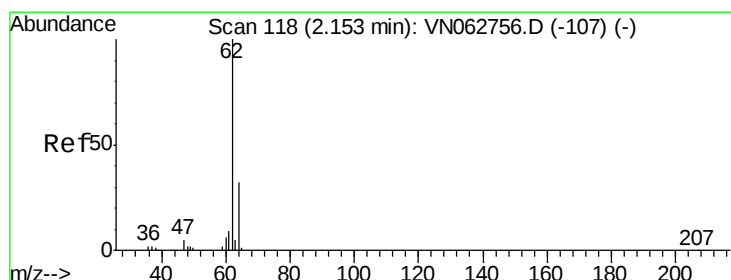
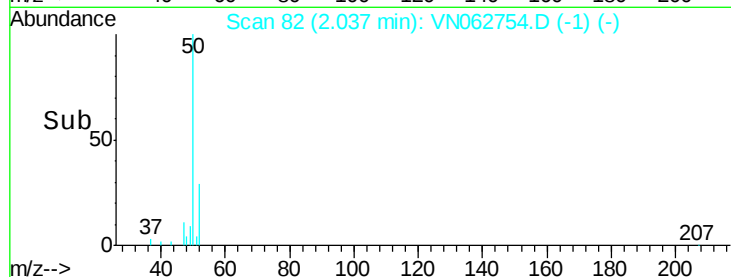
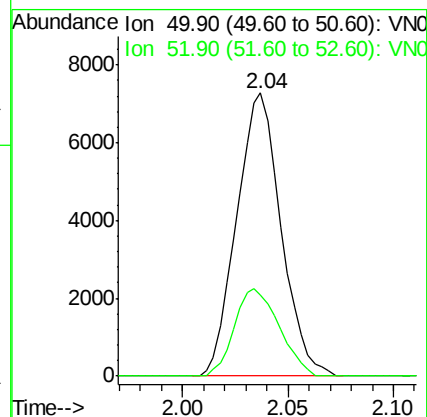
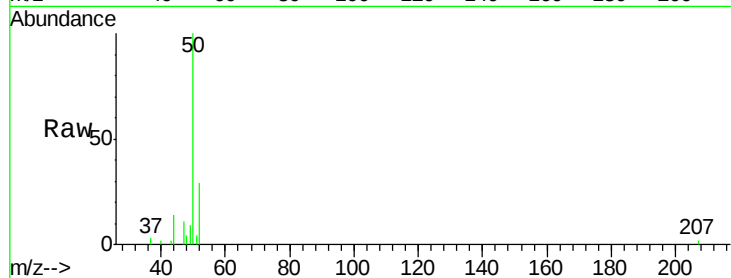
52 28.6 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.604 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062754.D

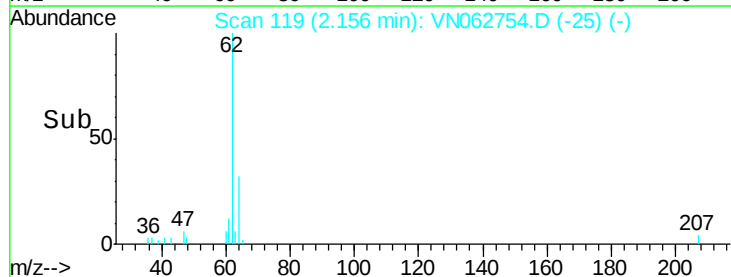
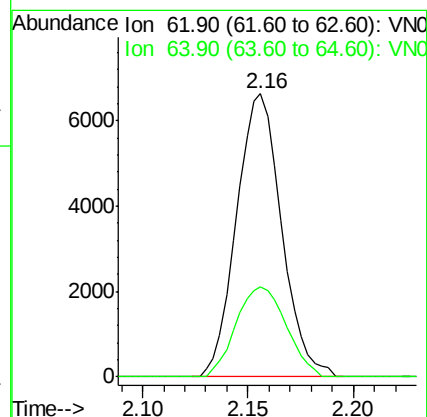
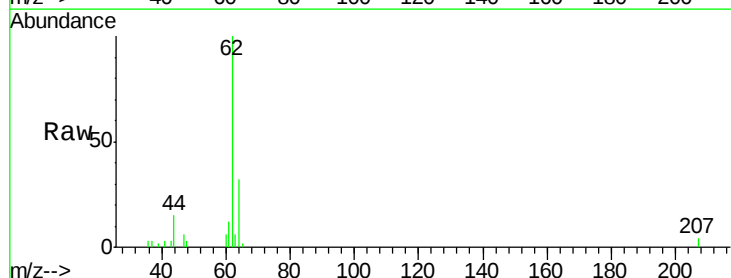
Acq: 5 Aug 2020 11:26

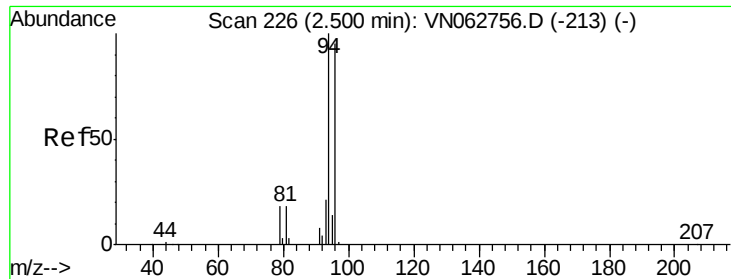
Tgt Ion: 62 Resp: 9823

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8





#5

Bromomethane

Concen: 7.421 ug/l

RT: 2.51 min Scan# 228

Delta R.T. 0.01 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7521

Ion Ratio Lower Upper

94 100

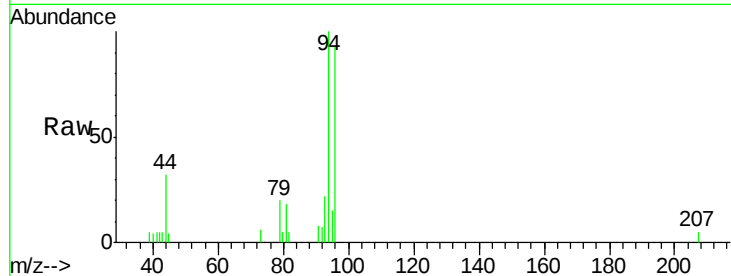
96 92.9 76.2 114.4

Manual Integrations

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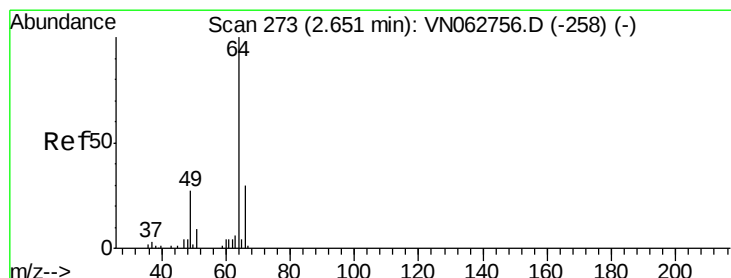
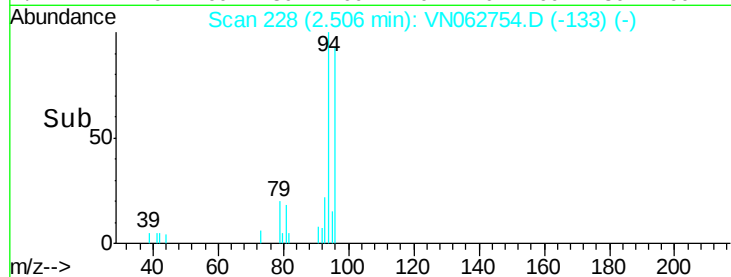
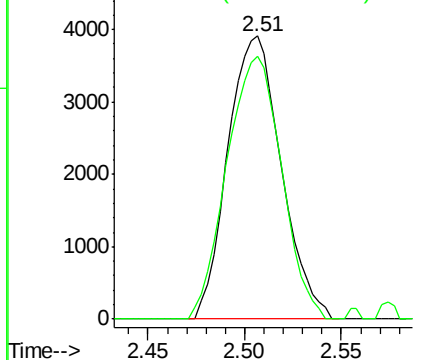
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 6.766 ug/l

RT: 2.65 min Scan# 274

Delta R.T. 0.00 min

Lab File: VN062754.D

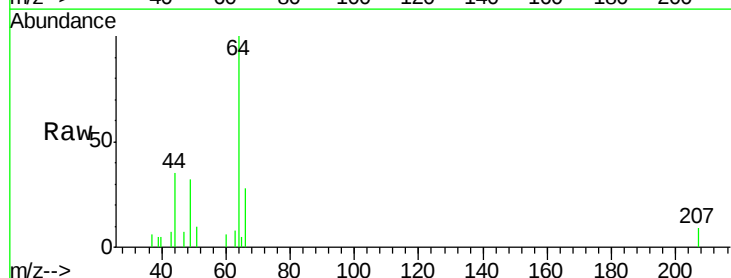
Acq: 5 Aug 2020 11:26

Tgt Ion: 64 Resp: 6924

Ion Ratio Lower Upper

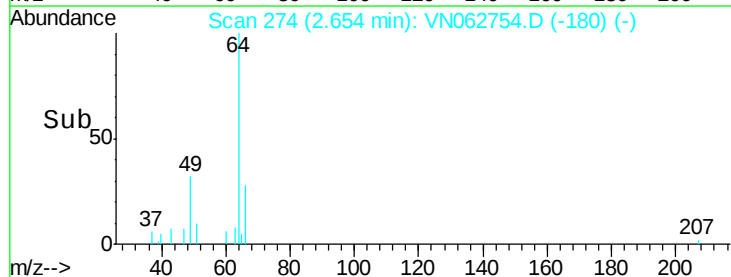
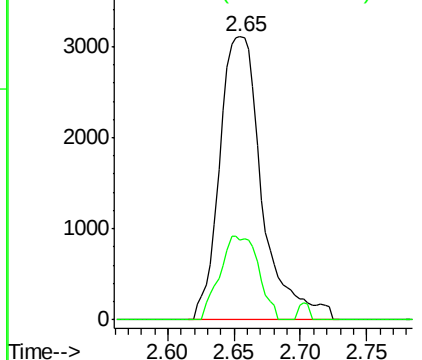
64 100

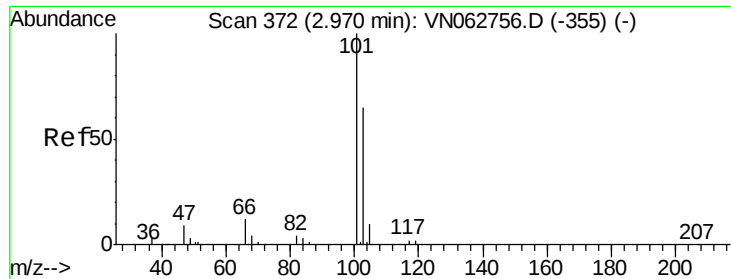
66 28.4 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

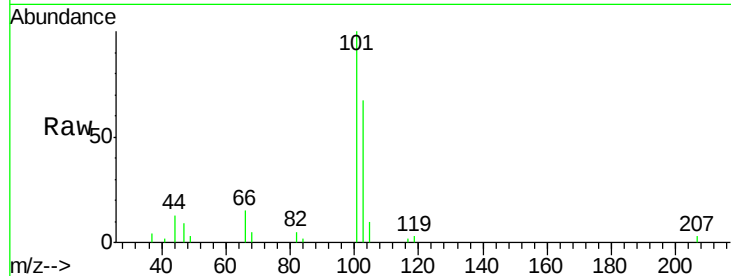
Trichlorofluoromethane
Concen: 6.969 ug/l
RT: 2.98 min Scan# 374
Delta R.T. 0.01 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

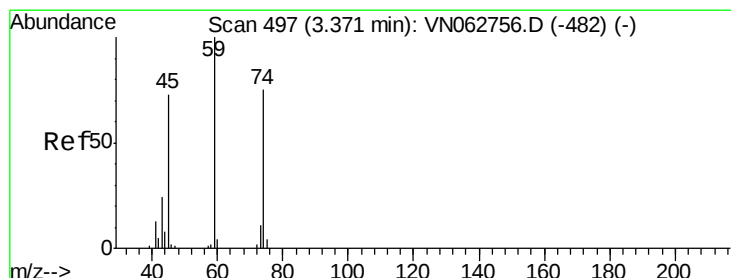
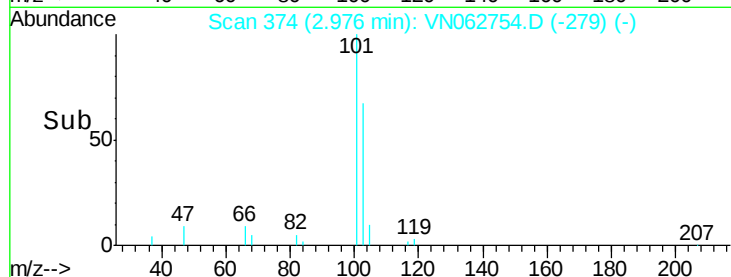
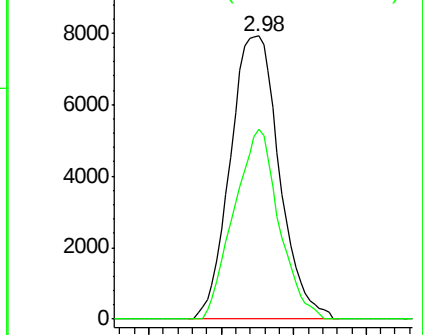
Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	52.3	78.5

Manual Integrations
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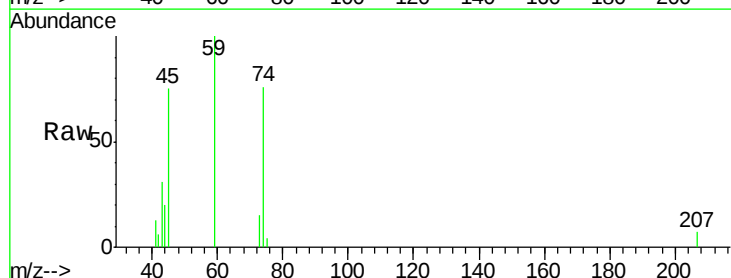
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



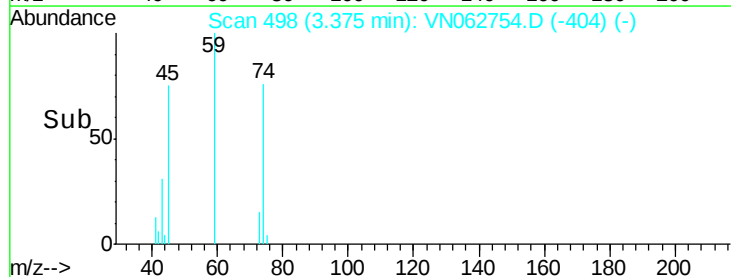
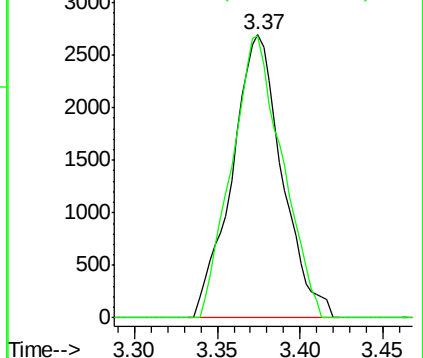
#8

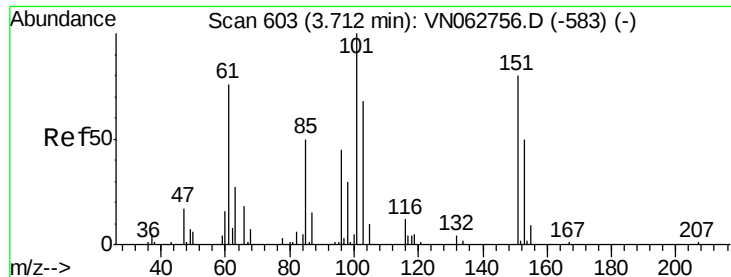
Diethyl Ether
Concen: 4.932 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.4	48.7	146.1



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.778 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.01 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

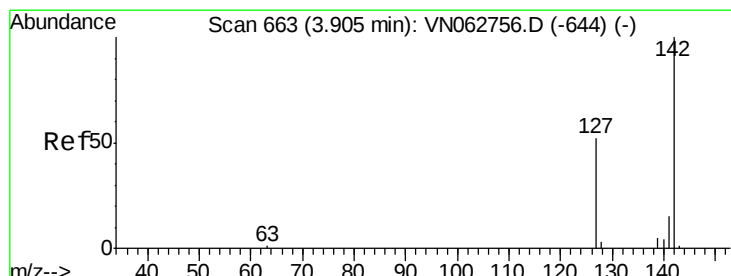
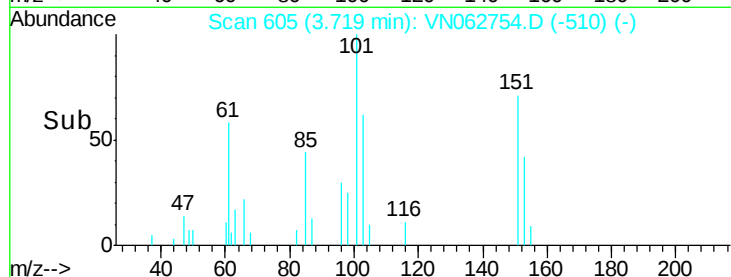
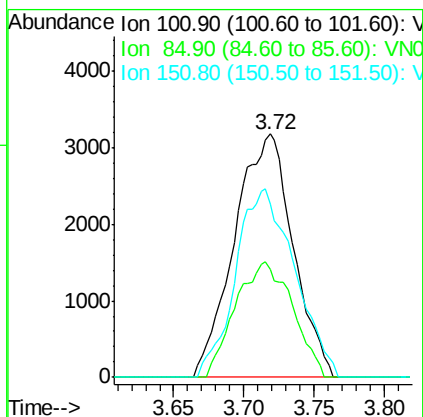
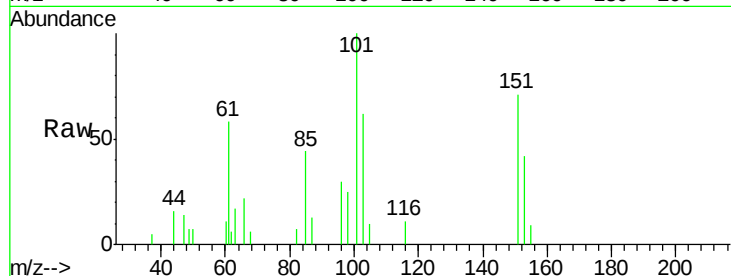
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	9213
Ion Ratio	Lower	Upper	
101	100		
85	46.2	38.5	57.7
151	78.2	63.0	94.6

Manual Integrations
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#10

Methyl Iodide

Concen: 3.698 ug/l

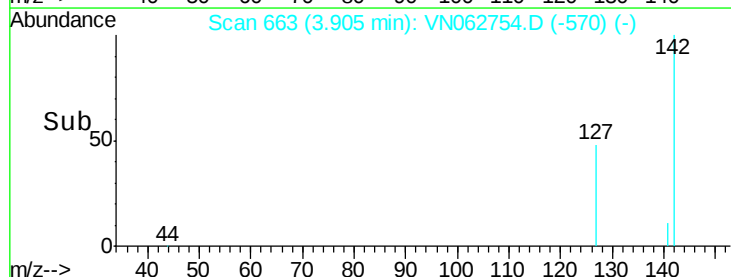
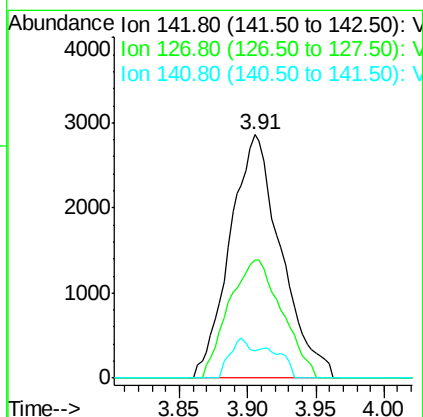
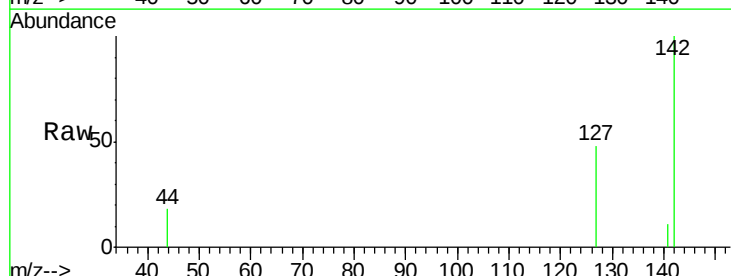
RT: 3.91 min Scan# 663

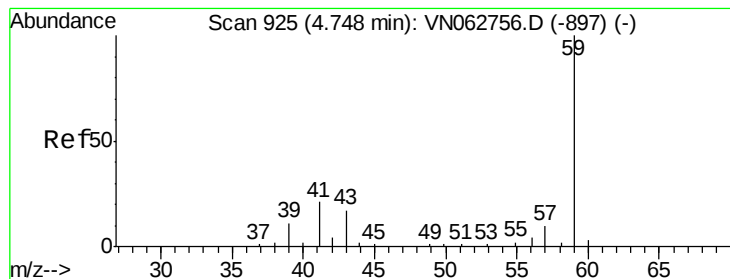
Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Tgt Ion:	142	Resp:	7423
Ion Ratio	Lower	Upper	
142	100		
127	50.5	41.4	62.0
141	7.1	12.2	18.4#





#11

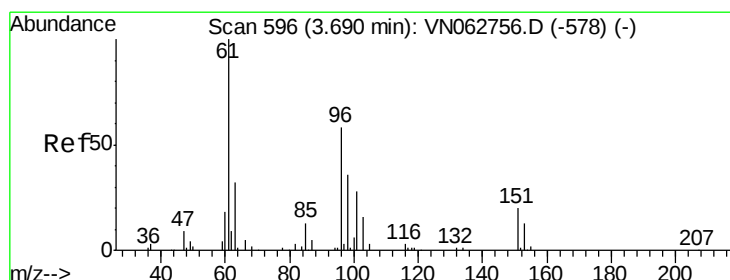
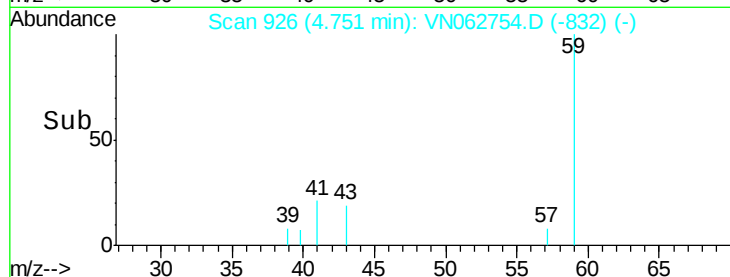
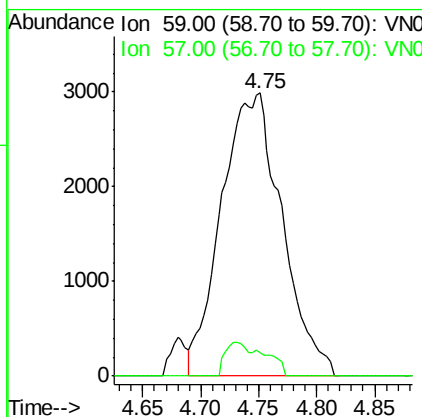
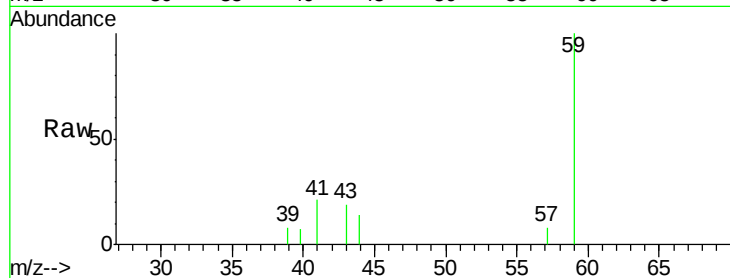
Tert butyl alcohol
 Concen: 27.772 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 10843
 Ion Ratio Lower Upper
 59 100
 57 4.6 8.3 12.5#

Manual Integrations
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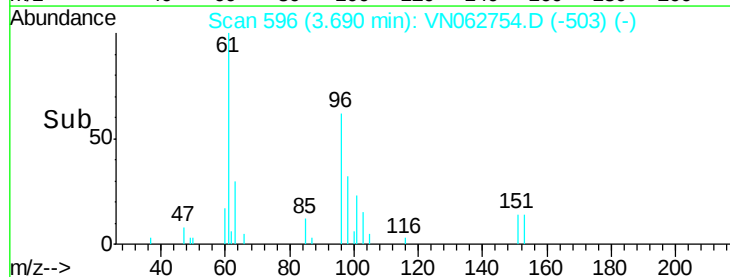
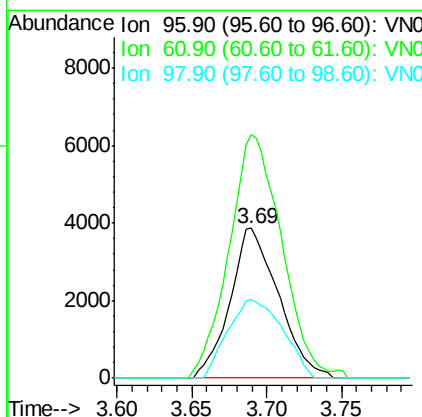
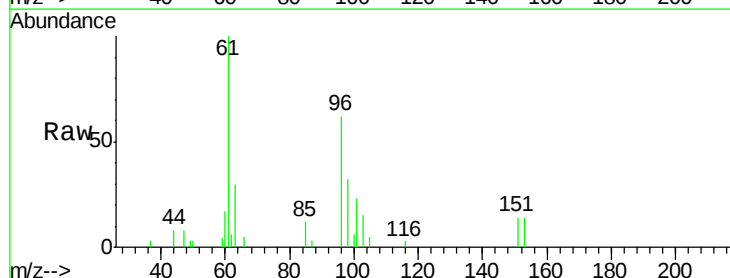
MMDadoda
 8/6/2020 1:51:41 PM

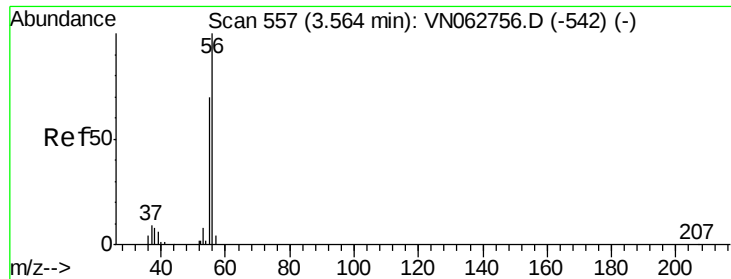


#12

1,1-Dichloroethene
 Concen: 5.455 ug/l
 RT: 3.69 min Scan# 596
 Delta R.T. -0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Tgt Ion: 96 Resp: 8717
 Ion Ratio Lower Upper
 96 100
 61 162.4 139.0 208.6
 98 52.5 50.2 75.4





#13

Acrolein

Concen: 21.761 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7356

Ion Ratio Lower Upper

56 100

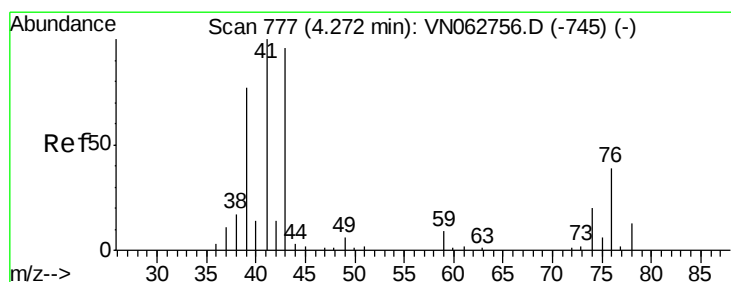
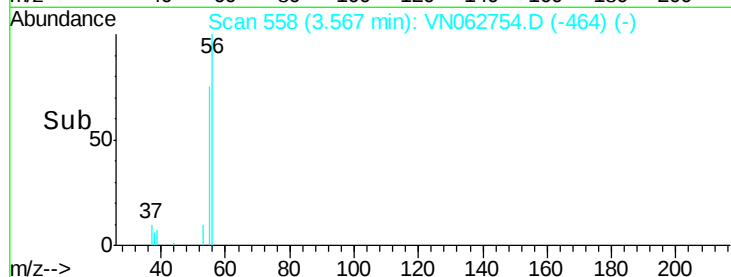
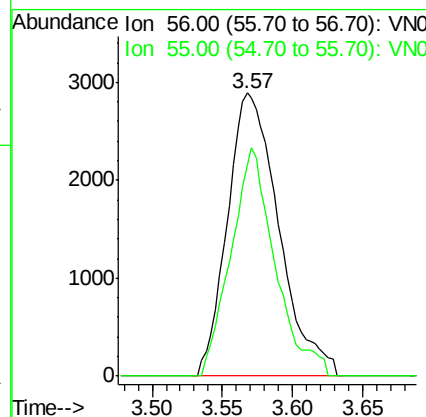
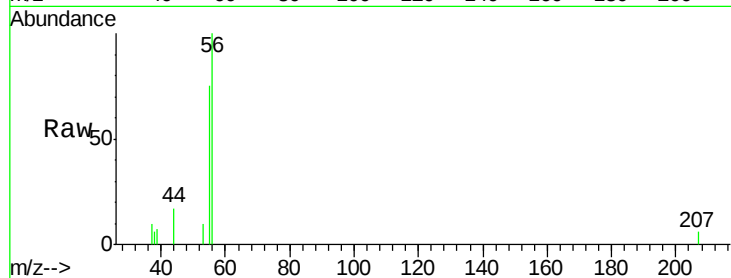
55 69.4 57.0 85.6

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 4.596 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

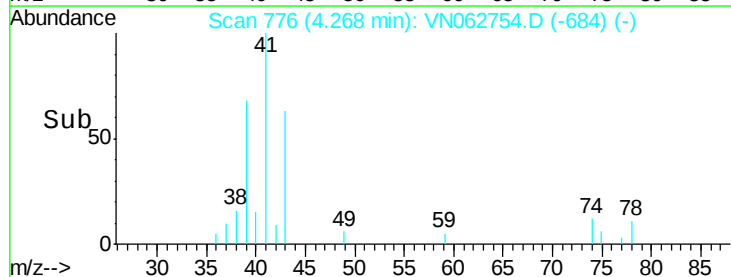
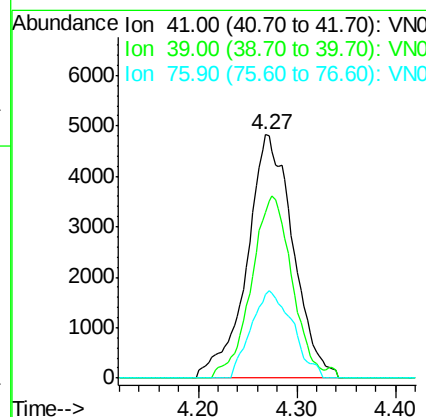
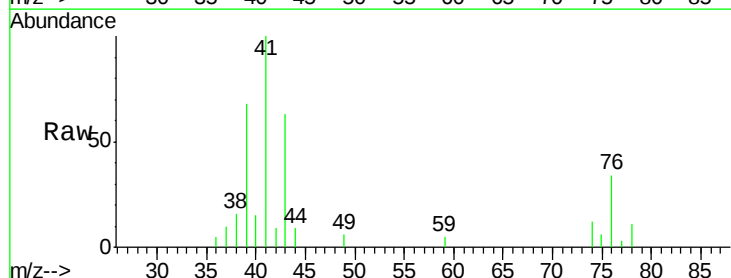
Tgt Ion: 41 Resp: 15541

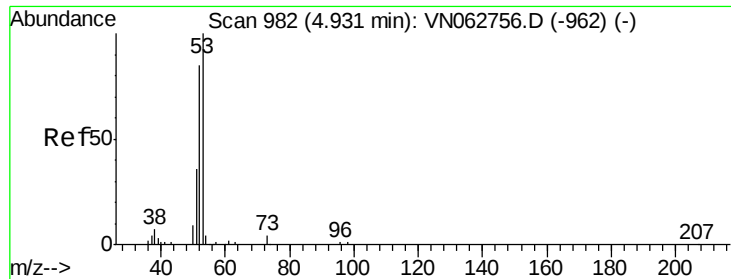
Ion Ratio Lower Upper

41 100

39 65.9 55.7 83.5

76 32.5 27.5 41.3





#15

Acrylonitrile

Concen: 24.877 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.01 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

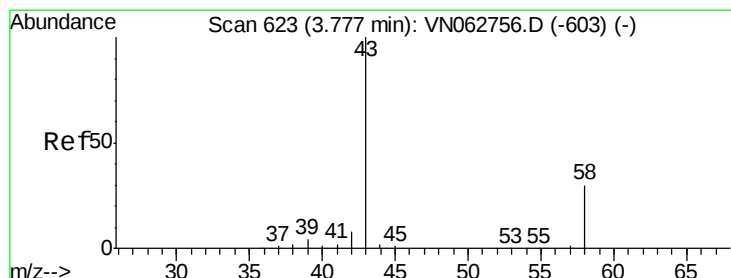
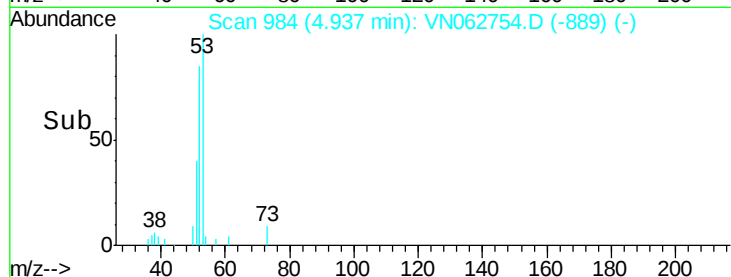
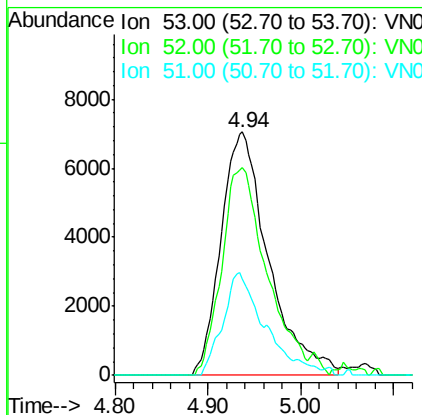
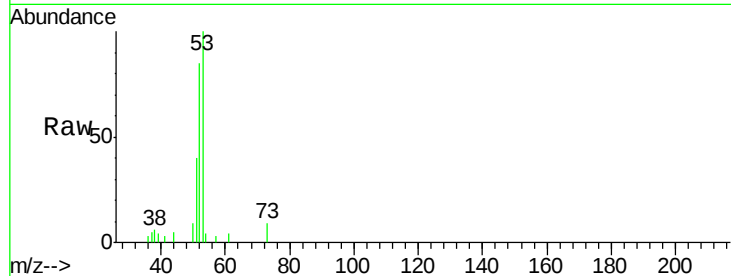
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	25071
Ion	Ratio	Lower	Upper
53	100		
52	80.6	66.8	100.2
51	35.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 26.872 ug/l

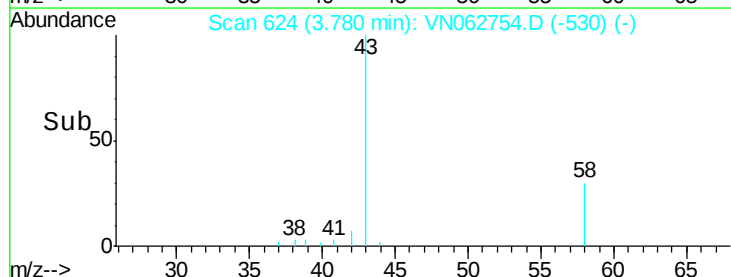
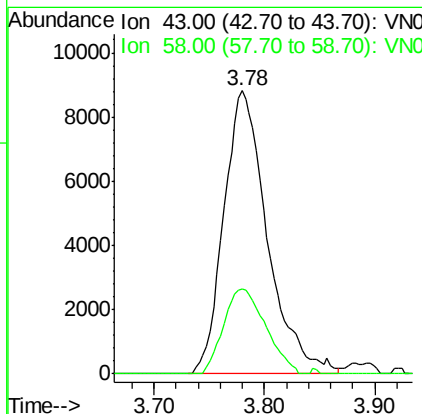
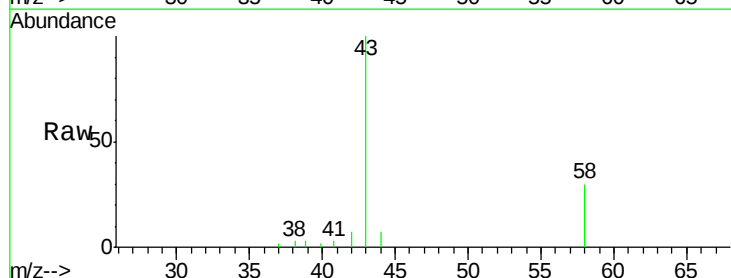
RT: 3.78 min Scan# 624

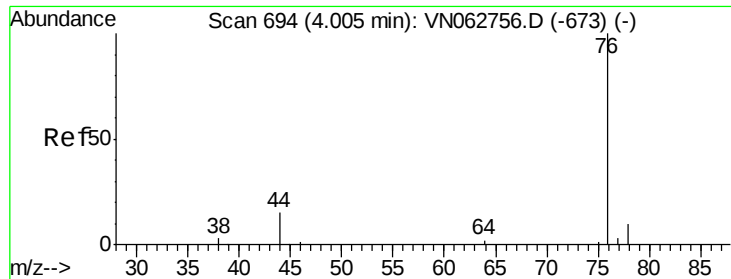
Delta R.T. 0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Tgt Ion:	43	Resp:	24138
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.1	36.1





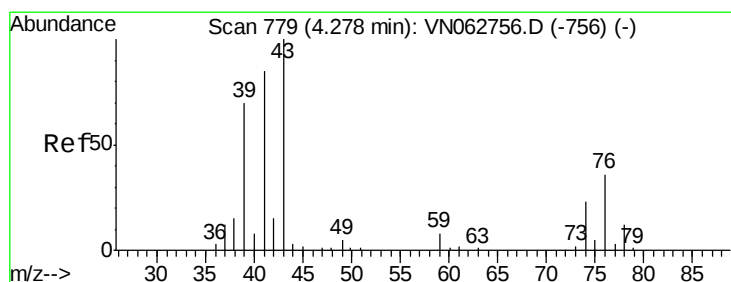
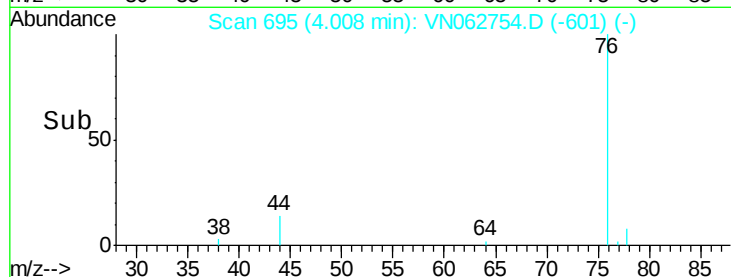
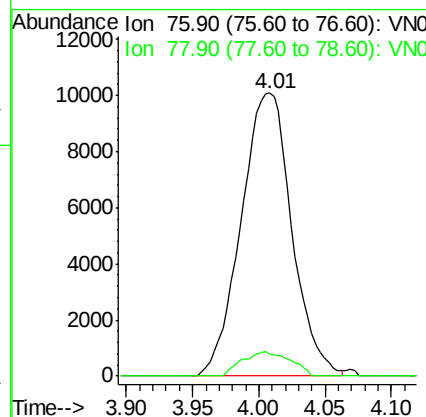
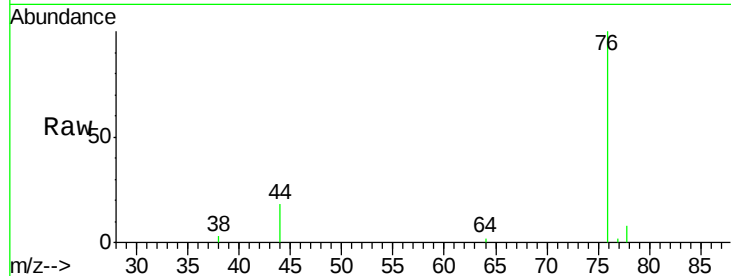
#17
Carbon Disulfide
Concen: 5.187 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.7	11.5

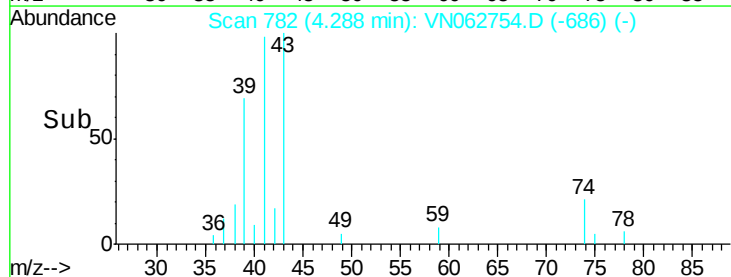
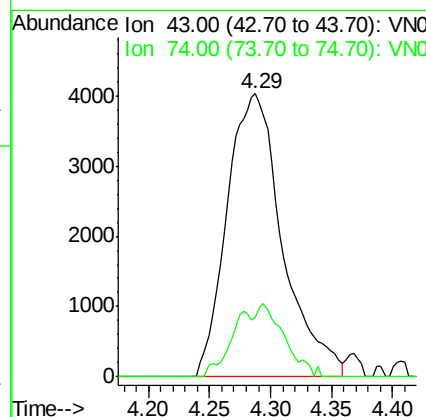
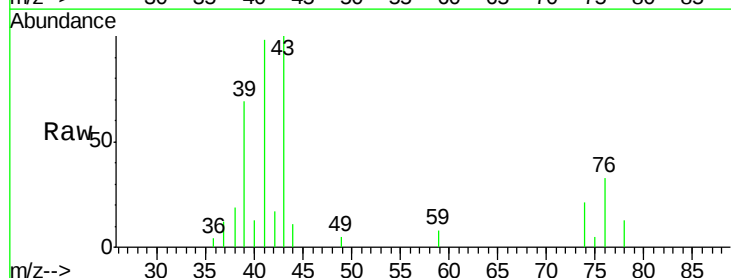
Manual Integrations
APPROVED

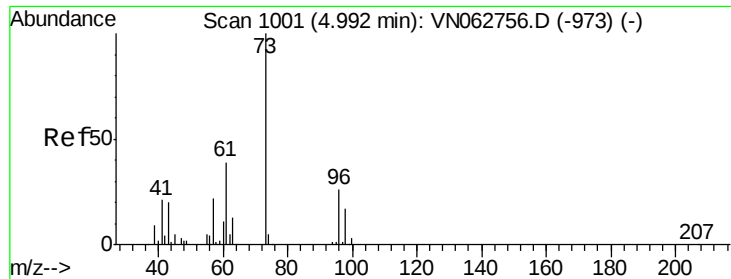
MMDadoda
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#18
Methyl Acetate
Concen: 5.580 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	9.6	18.6	28.0#





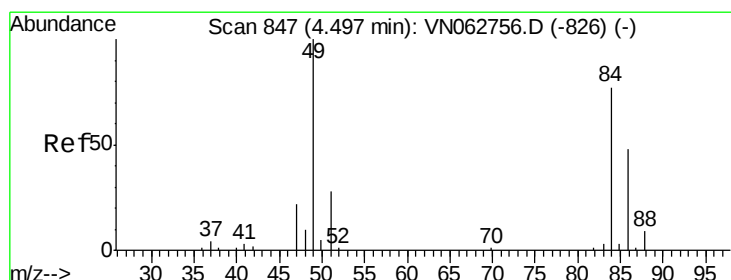
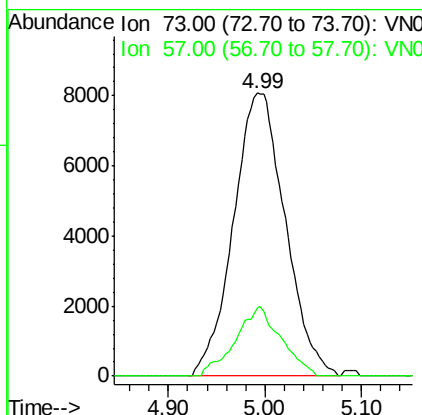
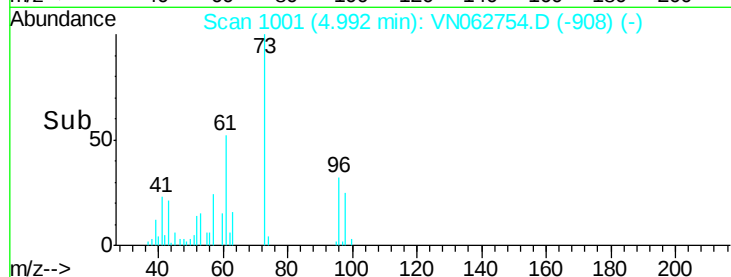
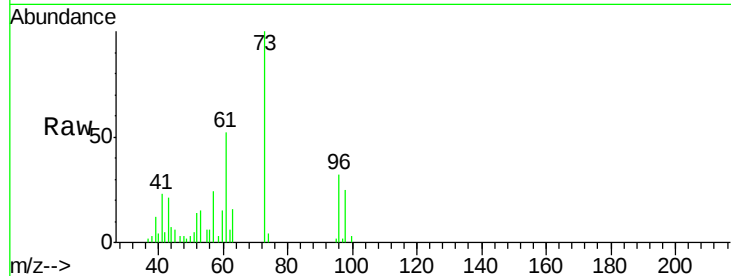
#19
Methvl tert-butvl Ether
Concen: 4.969 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 30051
Ion Ratio Lower Upper
73 100
57 24.2 17.5 26.3

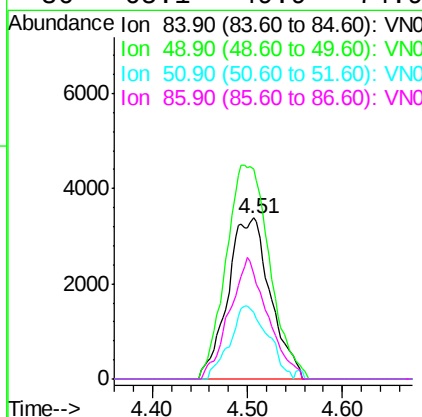
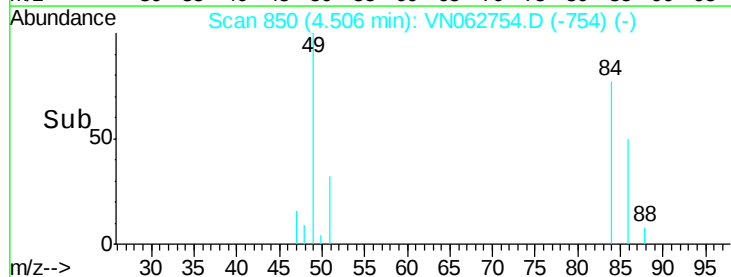
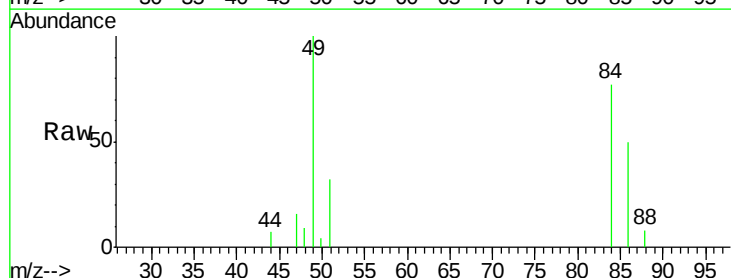
Manual Integrations
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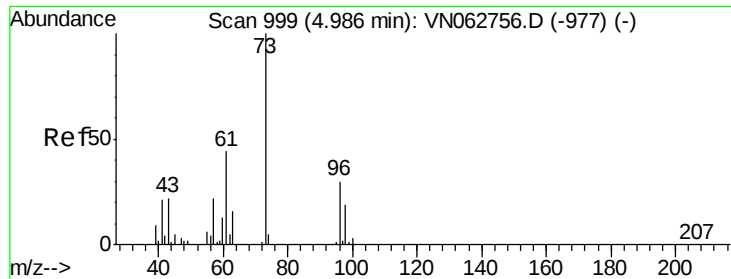
MMDadoda
8/6/2020 1:51:41 PM



#20
Methylene Chloride
Concen: 4.995 ug/l m
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion: 84 Resp: 10470
Ion Ratio Lower Upper
84 100
49 130.6 103.4 155.2
51 41.5 29.3 43.9
86 65.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 5.220 ug/l m

RT: 4.98 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

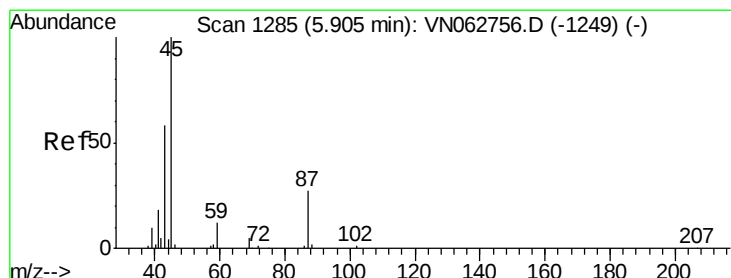
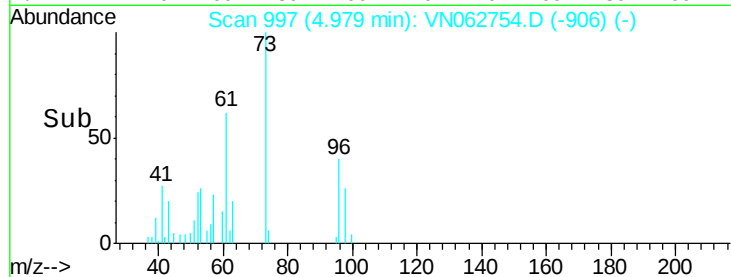
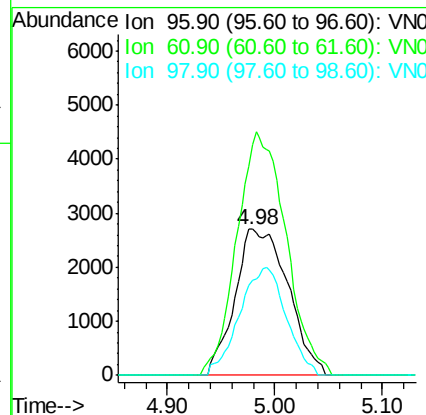
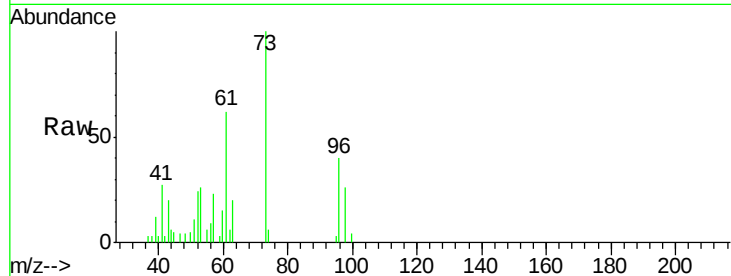
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	9243
Ion	Ratio	Lower	Upper
96	100		
61	157.8	118.8	178.2
98	64.9	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.310 ug/l

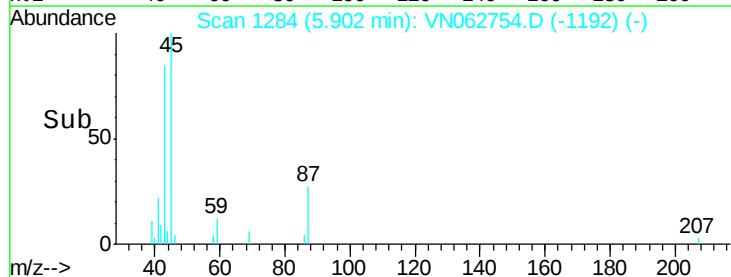
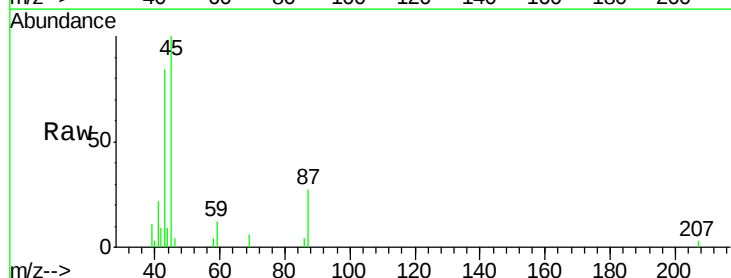
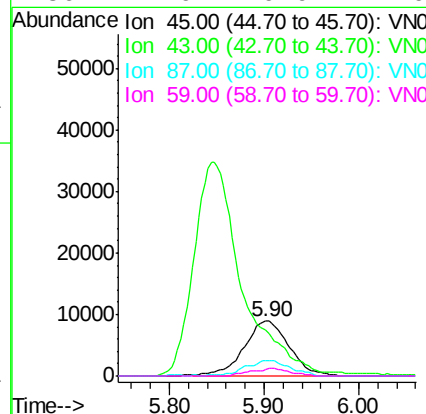
RT: 5.90 min Scan# 1284

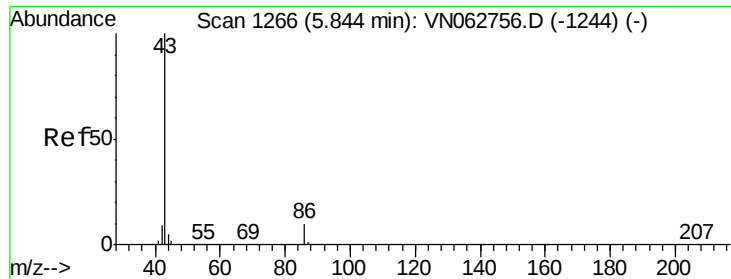
Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Tgt Ion:	45	Resp:	29542
Ion	Ratio	Lower	Upper
45	100		
43	77.1	47.4	71.2#
87	27.2	22.8	34.2
59	11.9	9.9	14.9





#23

Vinyl Acetate

Concen: 22.586 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 123885

Ion Ratio Lower Upper

43 100

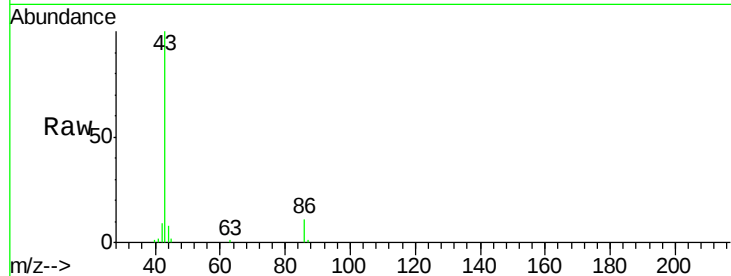
86 11.0 7.7 11.5

Manual Integrations

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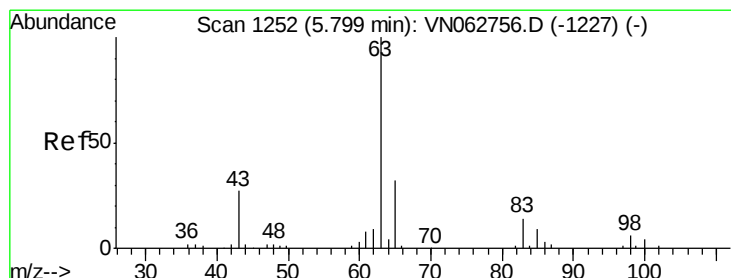
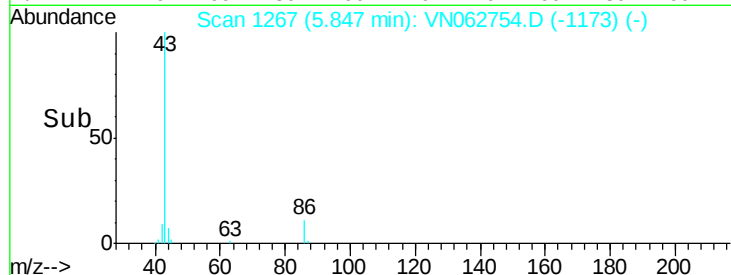
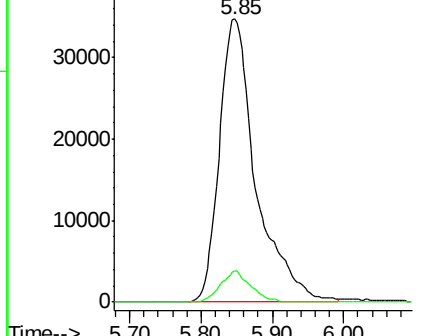
MMDadoda

8/6/2020 1:51:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 5.299 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

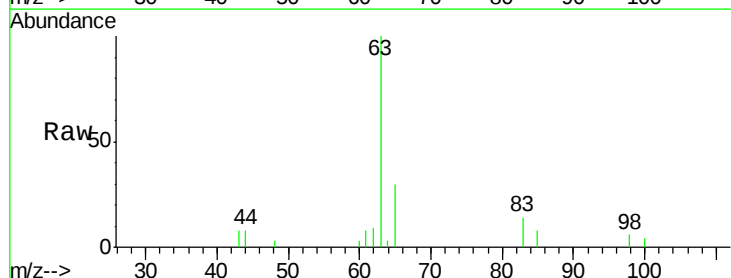
Tgt Ion: 63 Resp: 19685

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

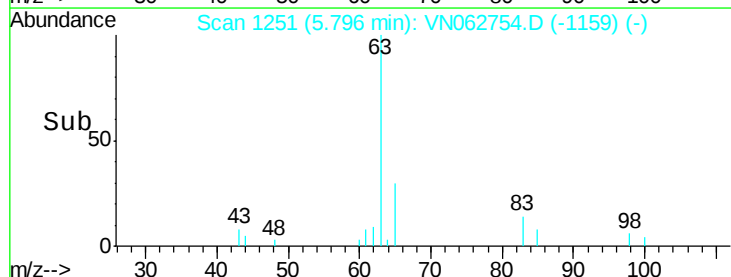
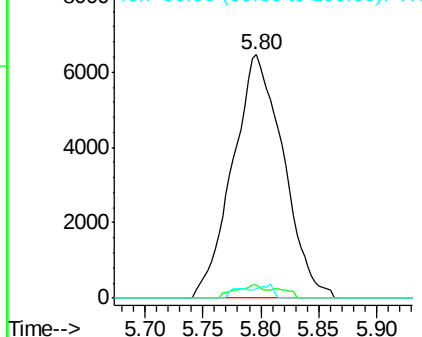
100 3.8 1.9 5.7

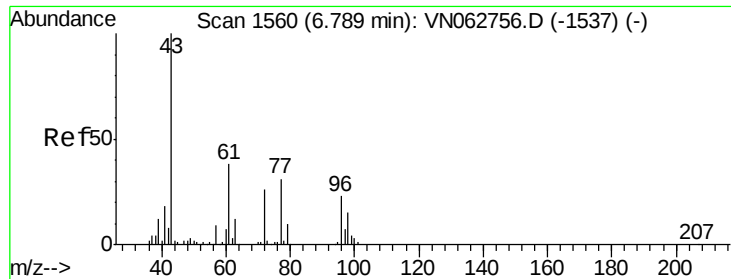


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





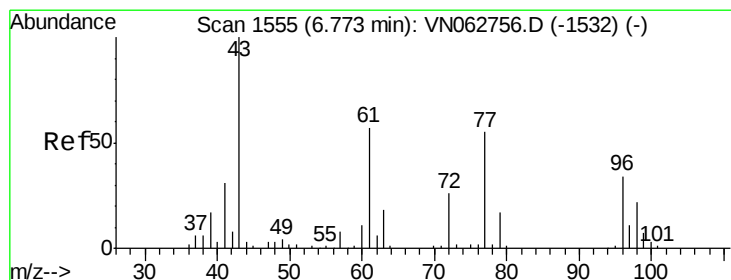
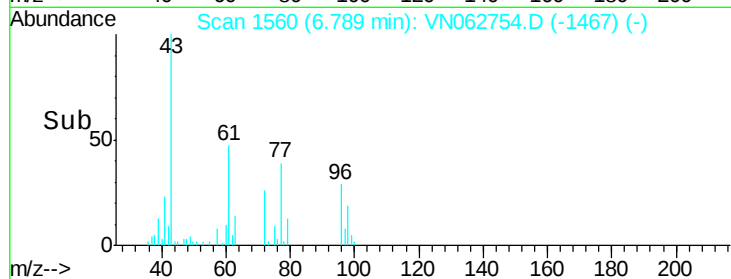
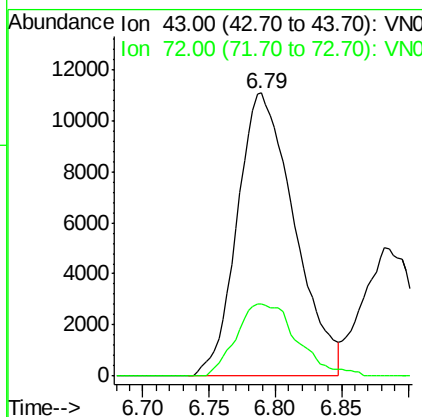
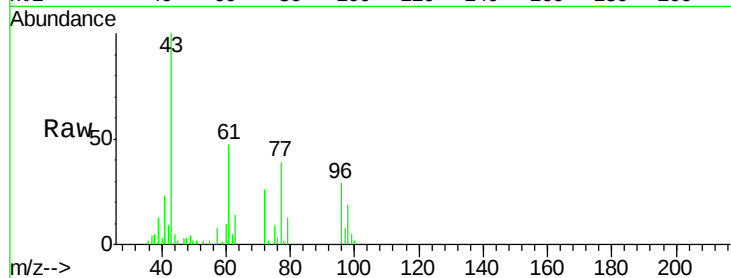
#25
2-Butanone
Concen: 24.525 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 33263
Ion Ratio Lower Upper
43 100
72 25.6 21.1 31.7

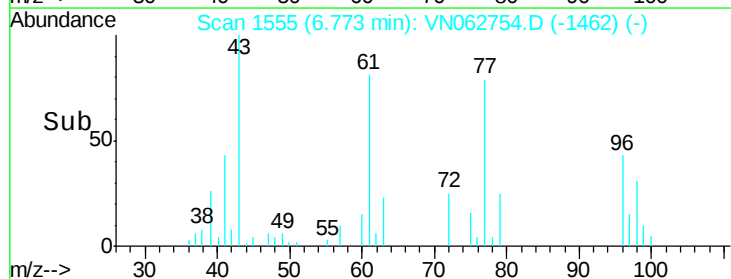
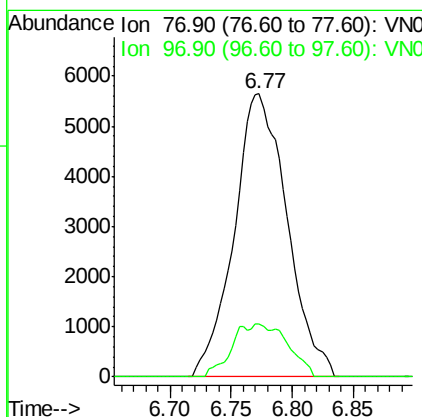
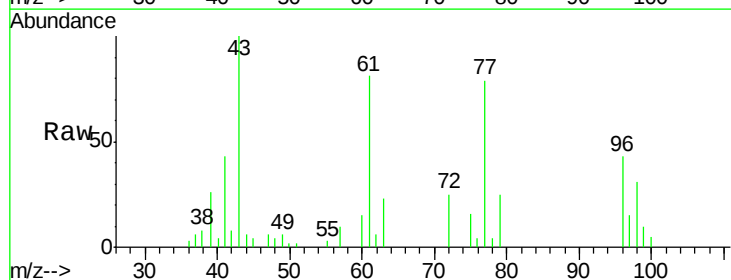
Manual Integrations
APPROVED

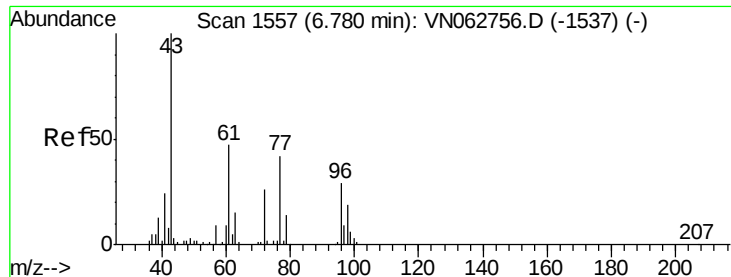
MMDadoda
8/6/2020 1:51:41 PM



#26
2,2-Dichloropropane
Concen: 5.461 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion: 77 Resp: 16978
Ion Ratio Lower Upper
77 100
97 6.7 10.5 31.6#





#27

cis-1,2-Dichloroethene

Concen: 4.918 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

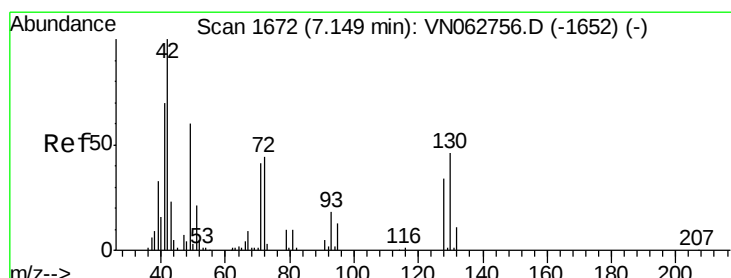
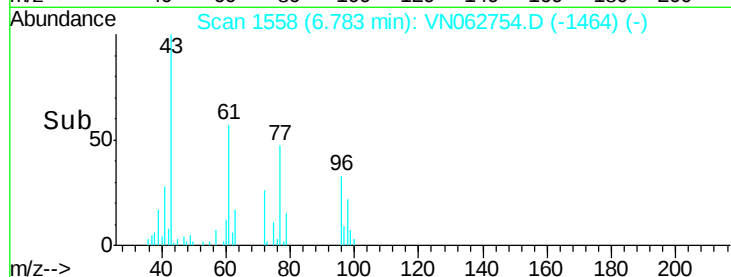
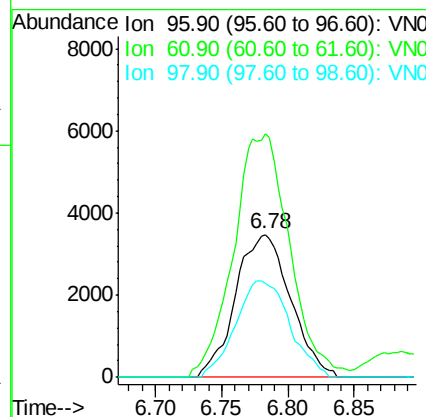
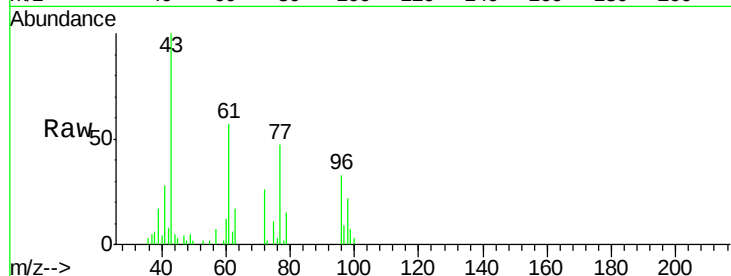
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	9995
Ion	Ratio	Lower	Upper
96	100		
61	173.9	0.0	332.2
98	66.5	0.0	129.4

Manual Integrations
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8/6/2020 1:51:41 PM



#28

Bromochloromethane

Concen: 4.665 ug/l

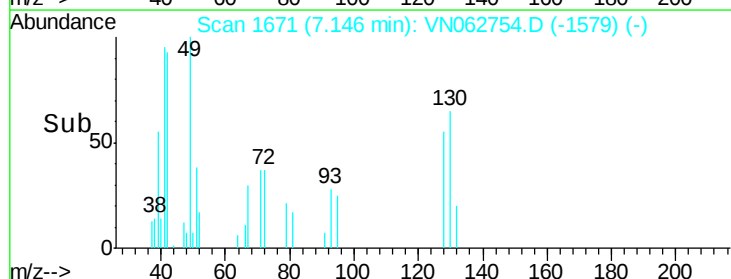
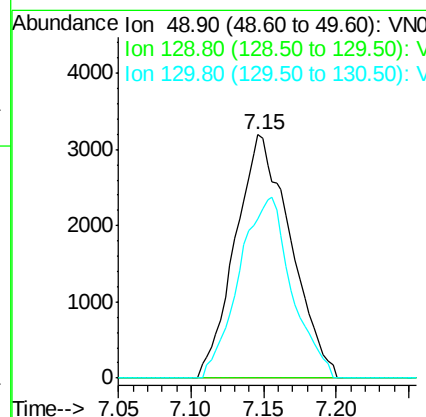
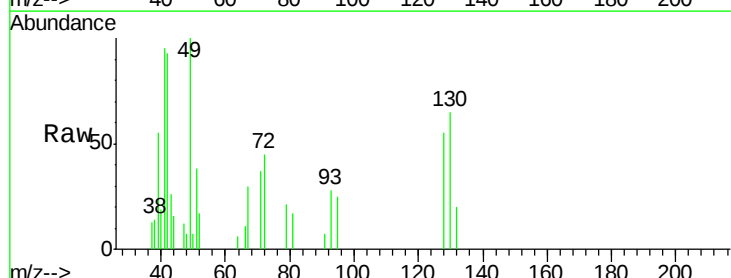
RT: 7.15 min Scan# 1671

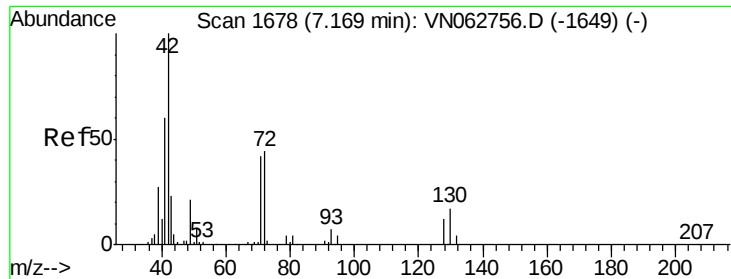
Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Tgt Ion:	49	Resp:	8456
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	70.6	59.0	88.6





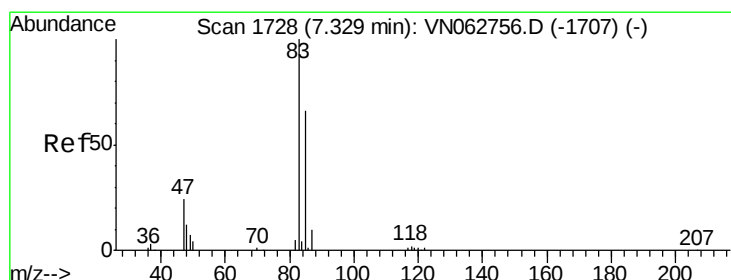
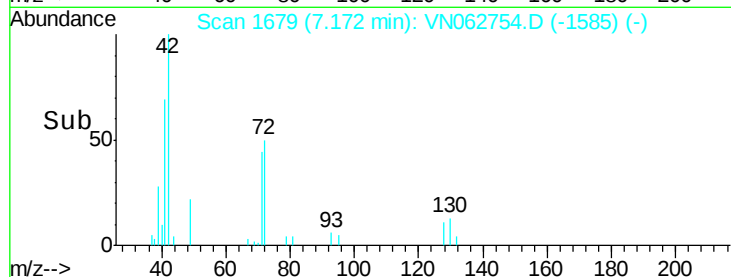
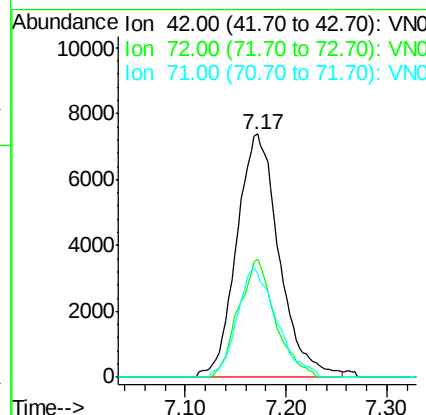
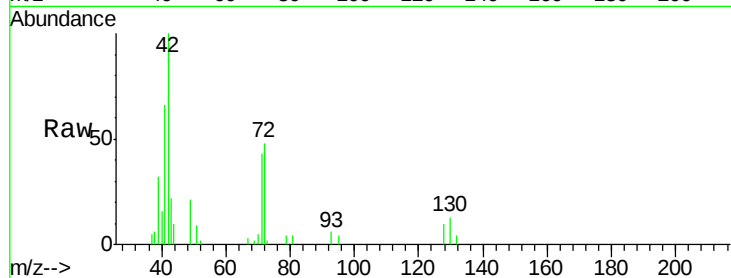
#29
Tetrahydrofuran
Concen: 23.675 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	35.0	52.4
71	41.5	33.2	49.8

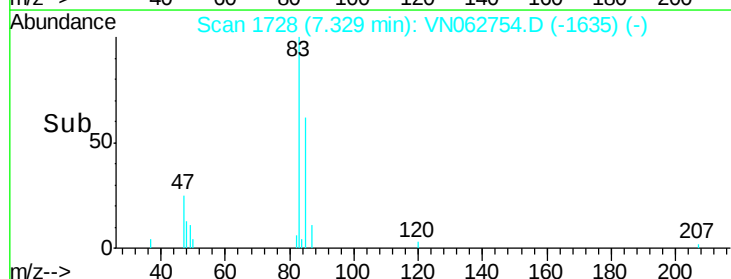
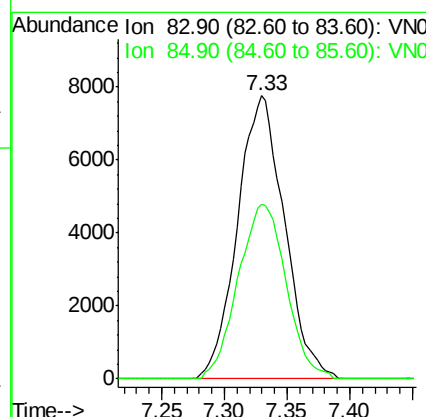
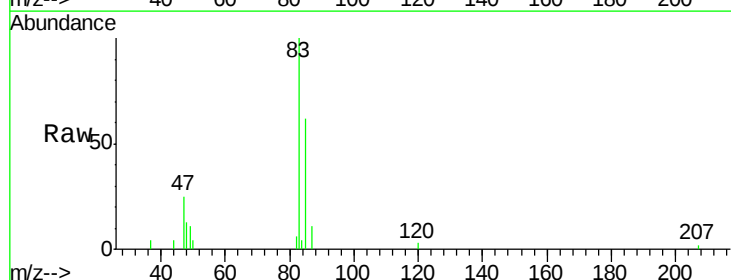
Manual Integrations
APPROVED

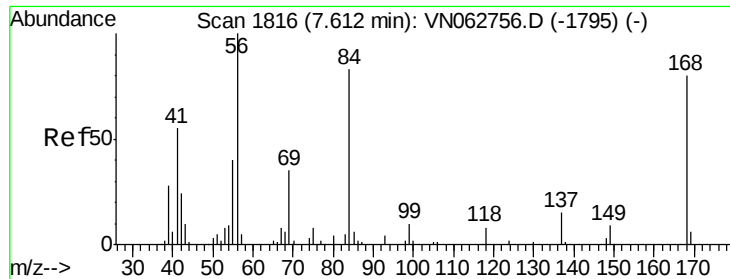
MMDadoda
8/6/2020 1:51:41 PM



#30
Chloroform
Concen: 5.615 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.7	79.1





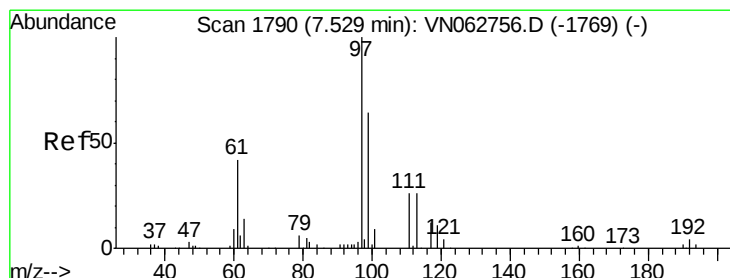
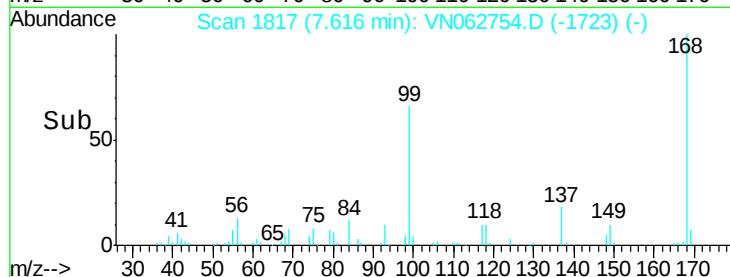
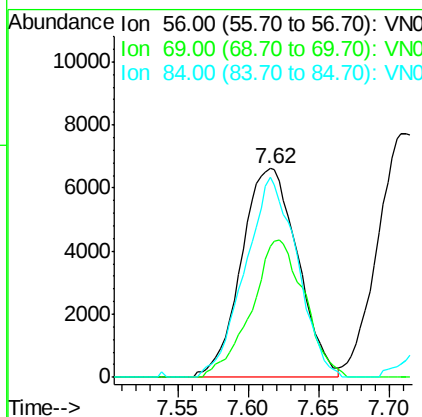
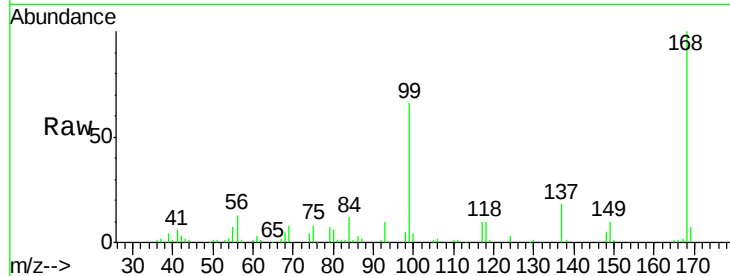
#31
Cyclohexane
Concen: 5.360 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	62.9	28.1	42.1#
84	96.2	66.8	100.2

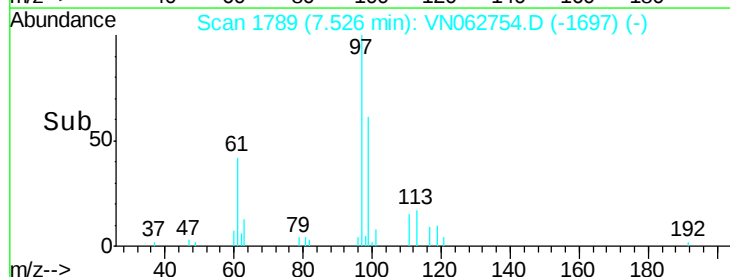
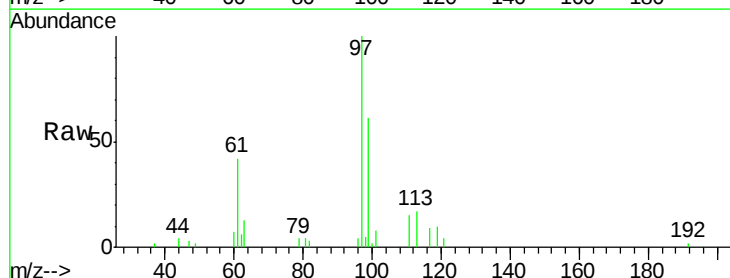
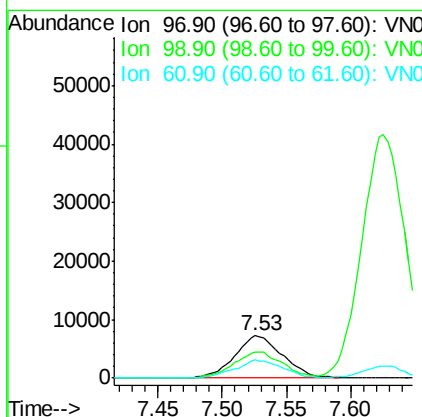
Manual Integrations
APPROVED

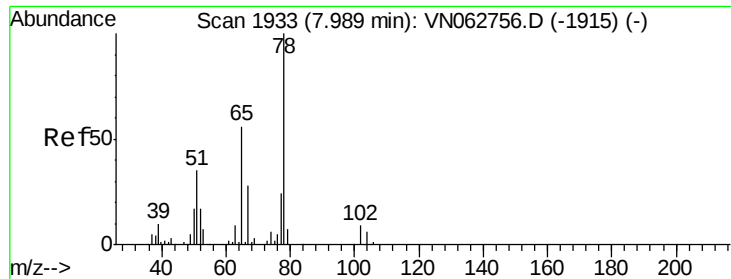
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#32
1,1,1-Trichloroethane
Concen: 6.061 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.0	75.0
61	42.5	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 5.854 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 14067

Ion Ratio Lower Upper

65 100

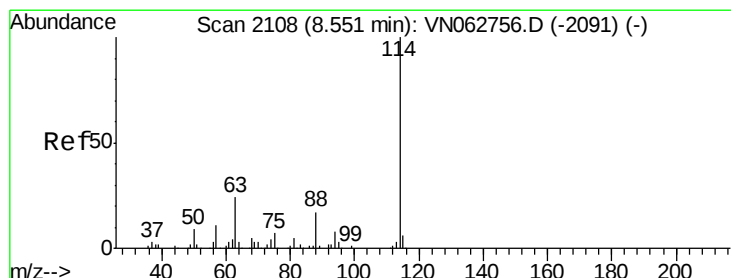
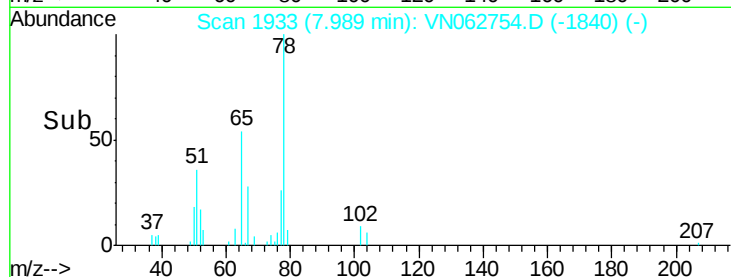
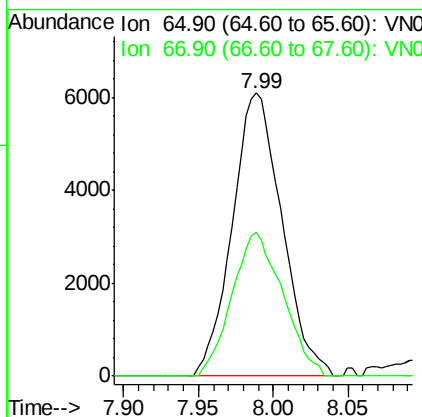
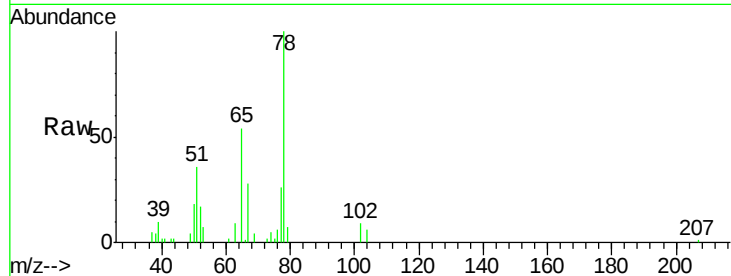
67 52.0 0.0 101.4

Manual Integrations

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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: VN062754.D

Acq: 5 Aug 2020 11:26

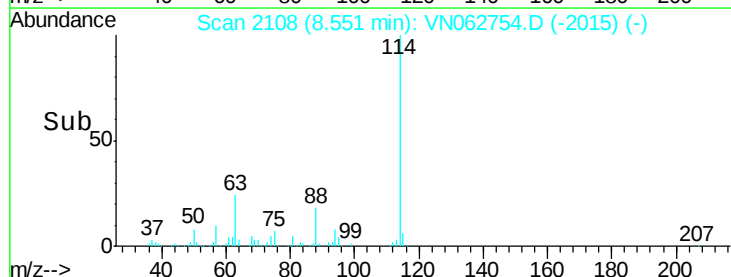
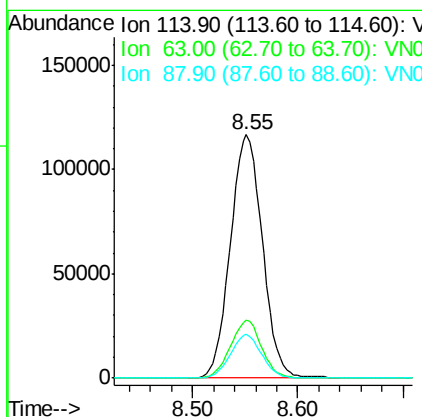
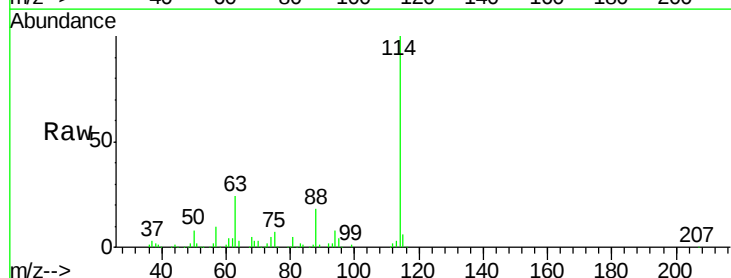
Tgt Ion: 114 Resp: 245963

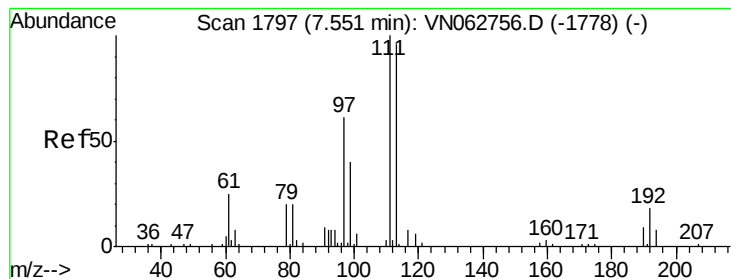
Ion Ratio Lower Upper

114 100

63 23.7 0.0 47.6

88 18.0 0.0 34.4





#35

Dibromofluoromethane

Concen: 5.637 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

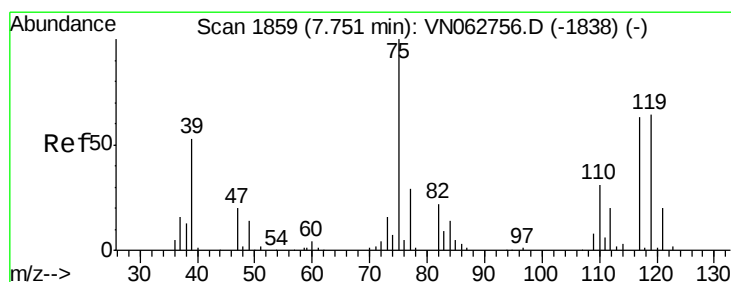
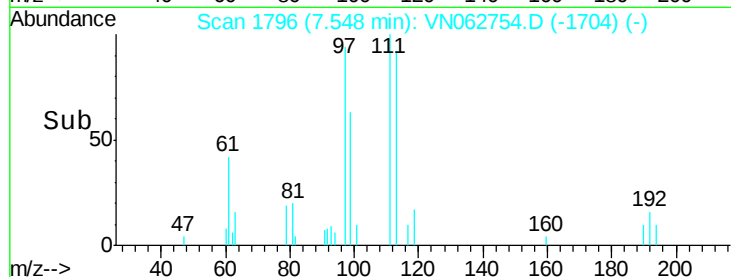
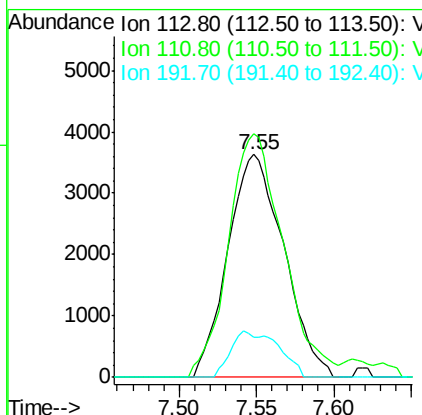
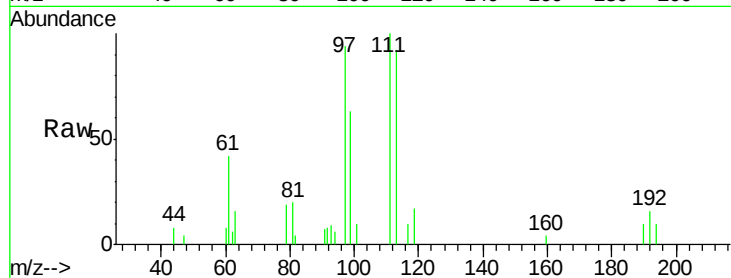
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	9120
Ion	Ratio	Lower	Upper
113	100		
111	107.3	81.8	122.6
192	17.6	15.0	22.4

Manual Integrations
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8/6/2020 1:51:41 PM



#36

1,1-Dichloropropene

Concen: 5.158 ug/l

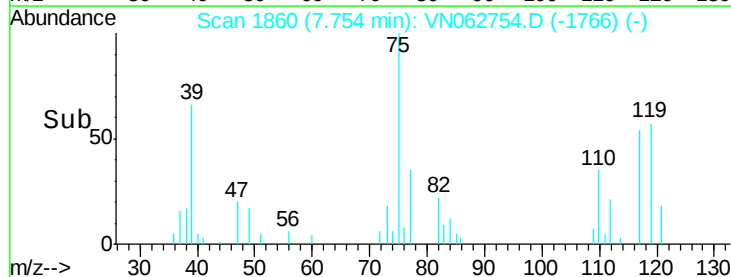
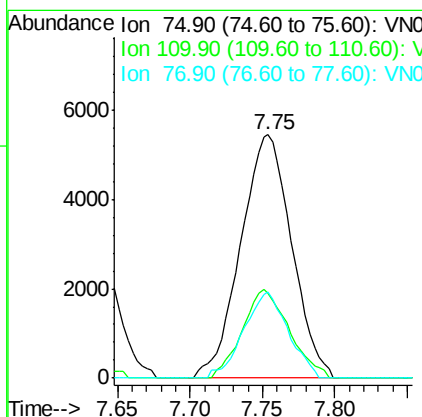
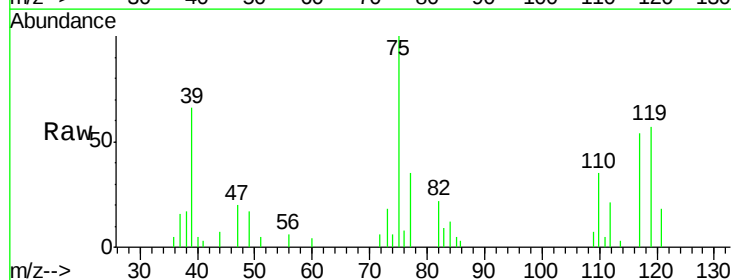
RT: 7.75 min Scan# 1860

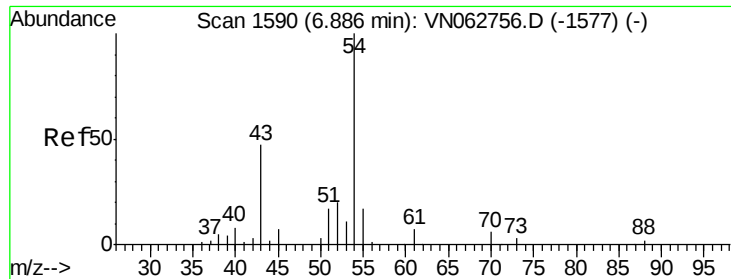
Delta R.T. 0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Tgt Ion:	75	Resp:	13303
Ion	Ratio	Lower	Upper
75	100		
110	33.5	15.6	46.7
77	30.9	24.1	36.1





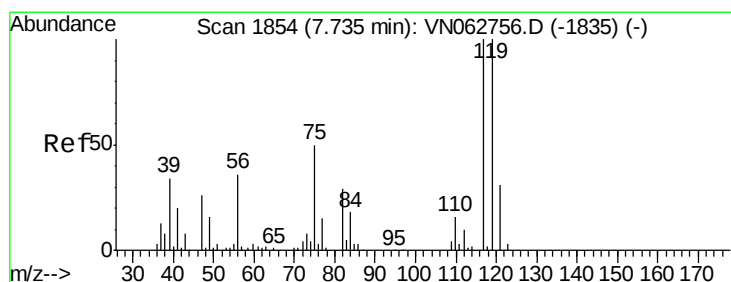
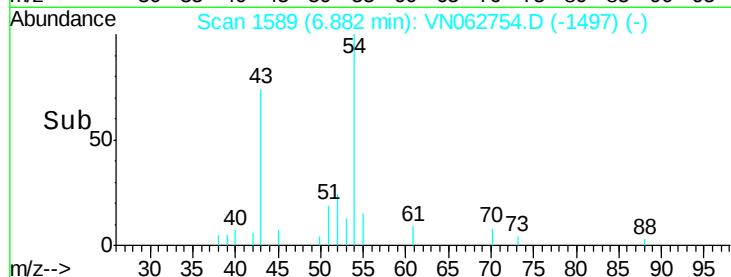
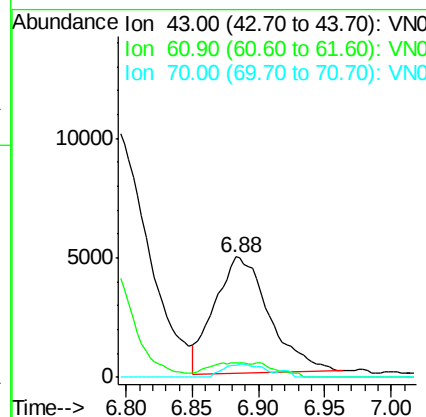
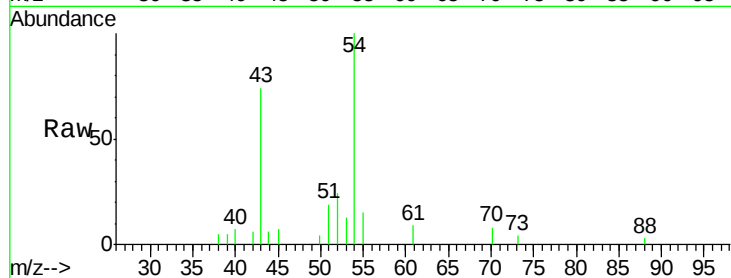
#37
Ethyl Acetate
Concen: 5.079 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	6.1	12.1	18.1#
70	8.0	8.3	12.5#

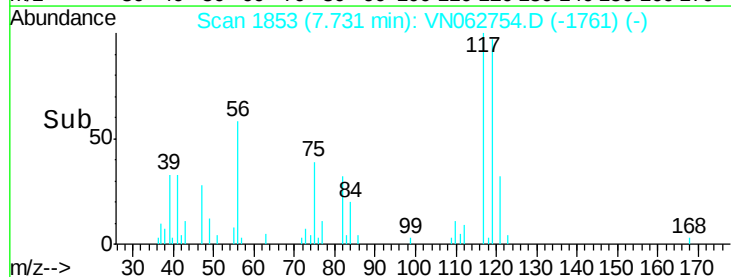
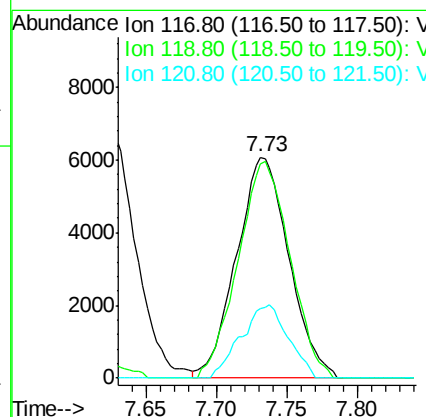
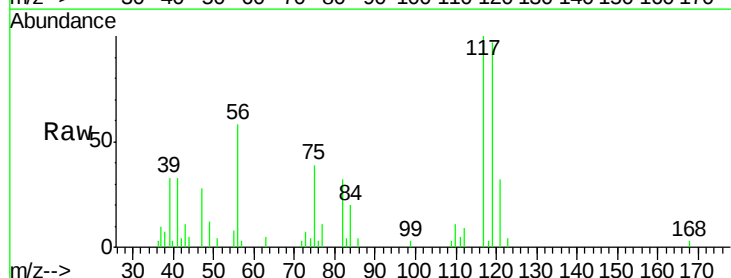
Manual Integrations
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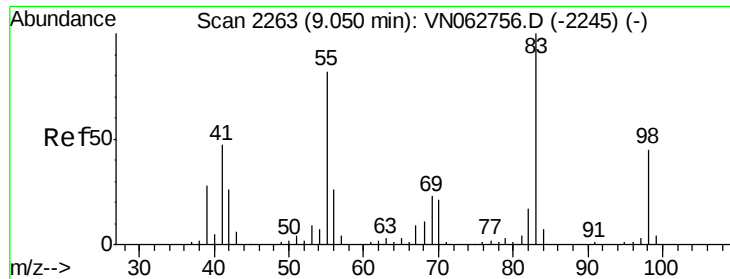
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#38
Carbon Tetrachloride
Concen: 6.234 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	79.4	119.2
121	31.6	24.9	37.3





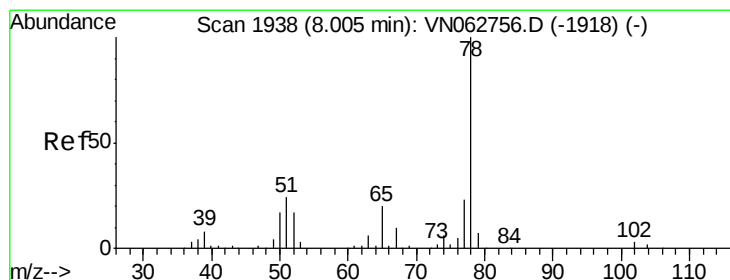
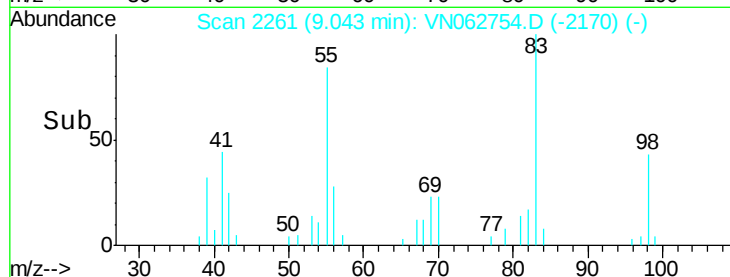
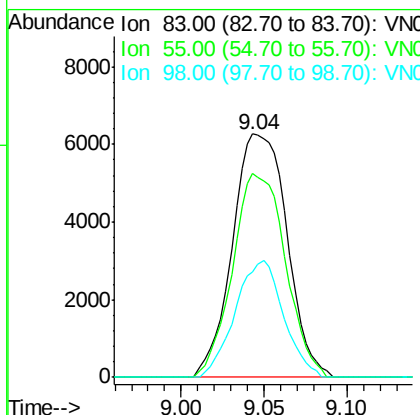
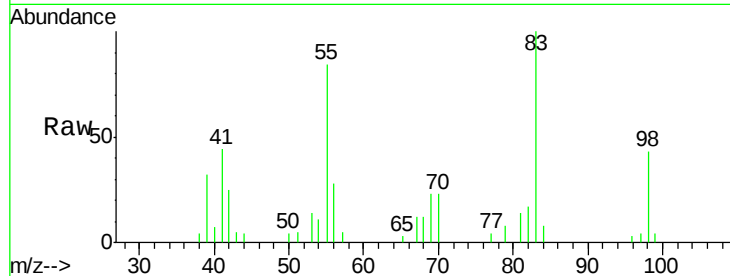
#39
Methvlcvclohexane
Concen: 5.074 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.01 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.6	65.7	98.5
98	43.4	35.6	53.4

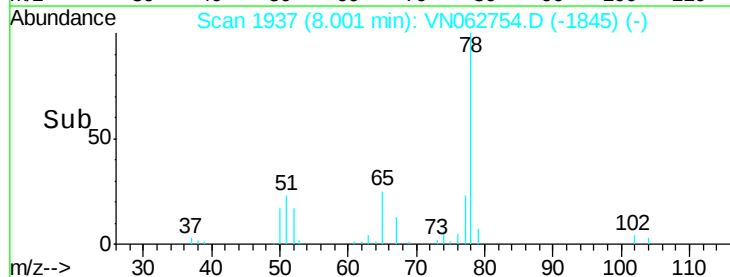
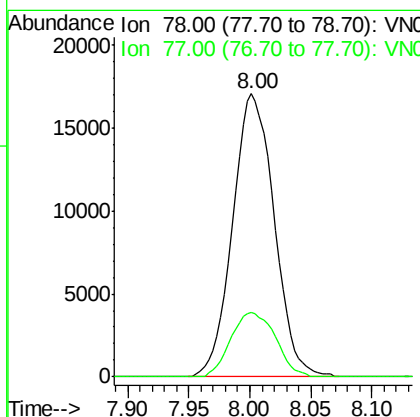
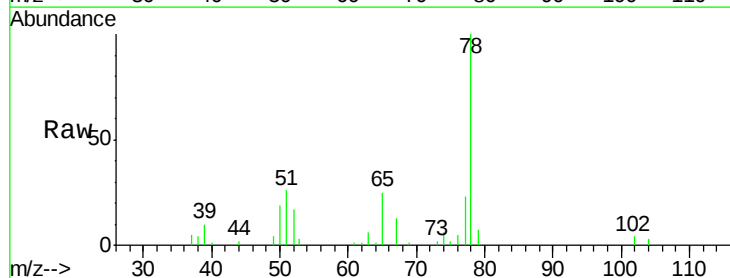
Manual Integrations
APPROVED

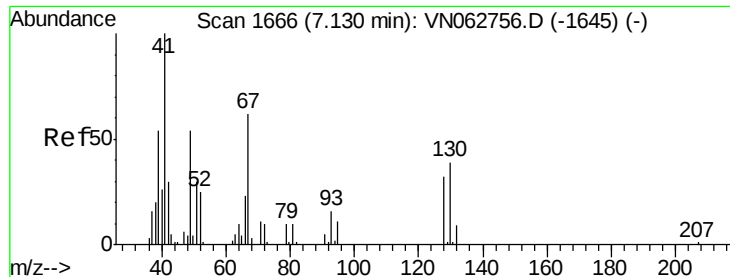
MMDadoda
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#40
Benzene
Concen: 5.189 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.1	27.1





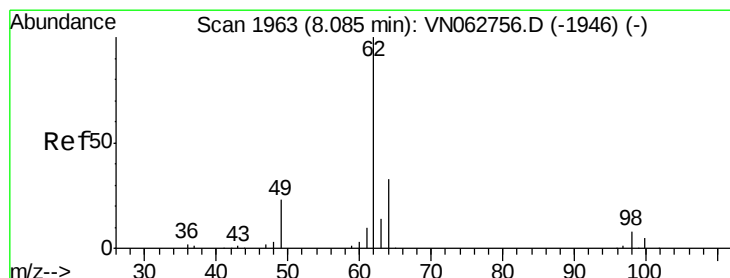
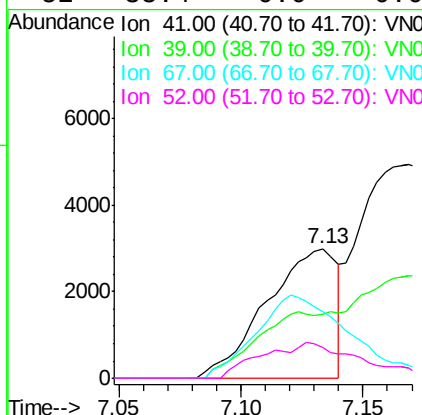
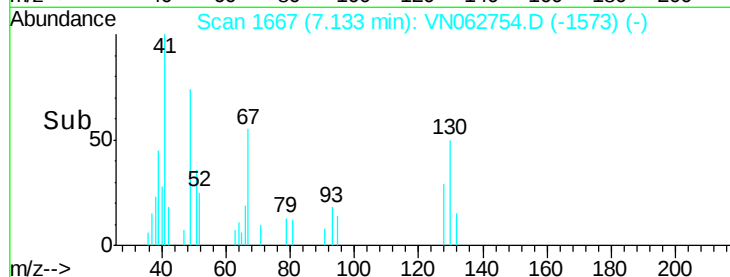
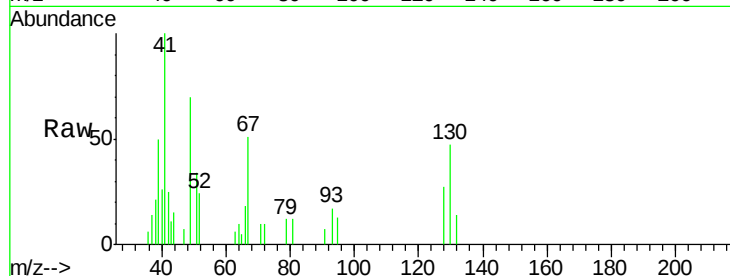
#41
Methacrylonitrile
Concen: 4.879 ug/l
RT: 7.13 min Scan# 1667
Delta R.T. 0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	41.00	Resp:	5971
Ion	Ratio	Lower	Upper
41	100		
39	43.5	69.4	104.2#
67	84.8	0.0	0.0#
52	38.4	0.0	0.0#

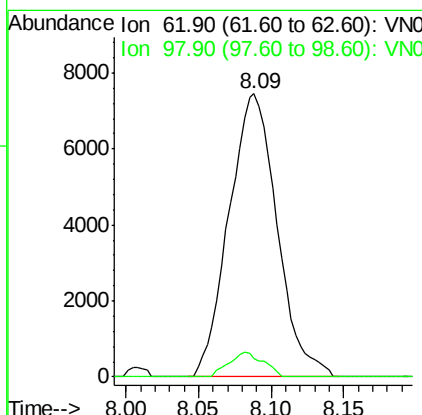
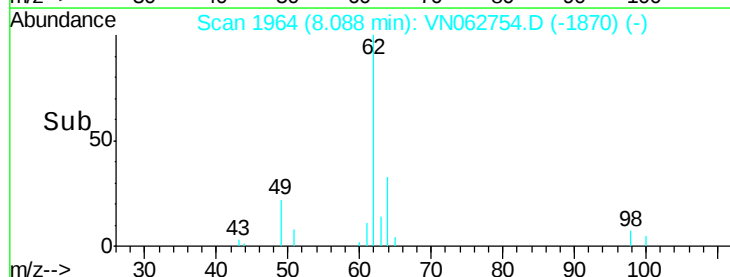
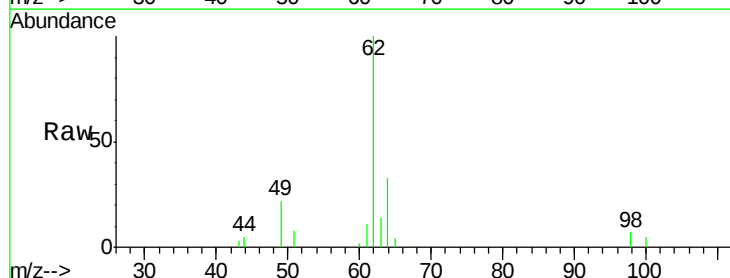
Manual Integrations
APPROVED

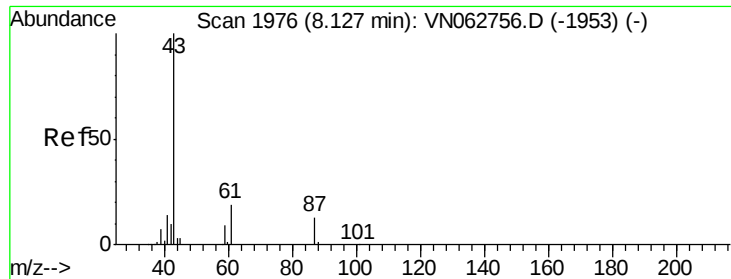
MMDadoda
8/6/2020 1:51:41 PM



#42
1,2-Dichloroethane
Concen: 5.907 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion	62	Resp:	17192
Ion	Ratio	Lower	Upper
62	100		
98	6.3	0.0	15.8





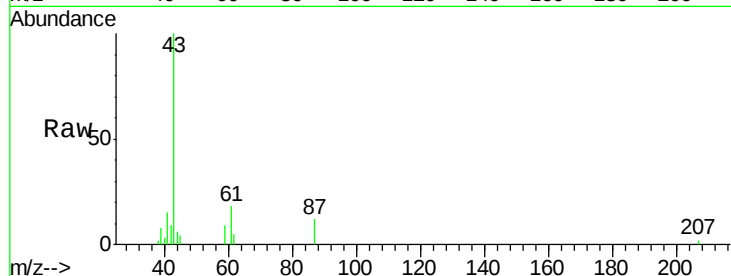
#43
Isopropyl Acetate
Concen: 5.069 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

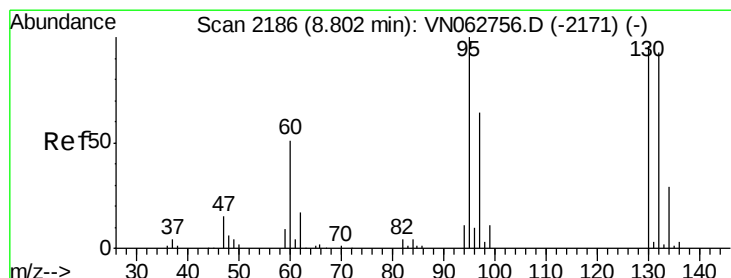
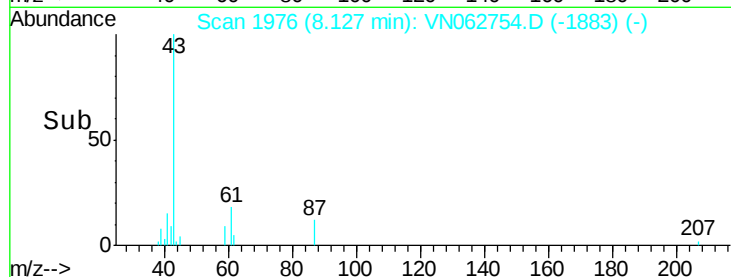
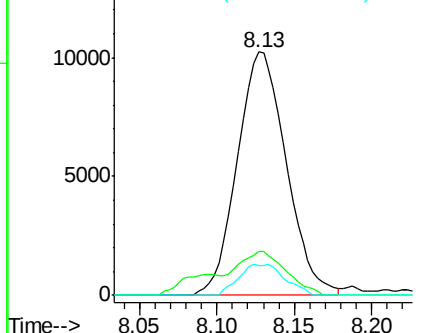
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.8	23.6
87	12.0	9.9	14.9

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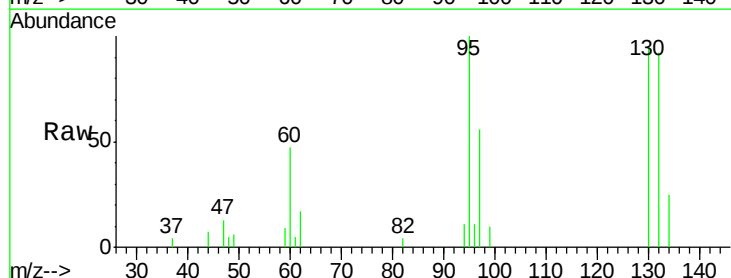


Abundance Ion 43.00 (42.70 to 43.70): VN062754.D (-1883) (-)

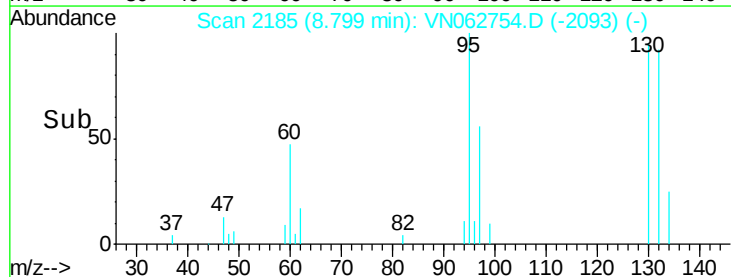
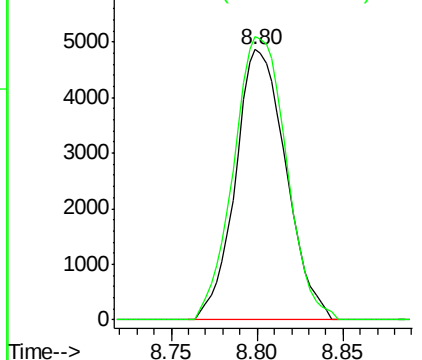


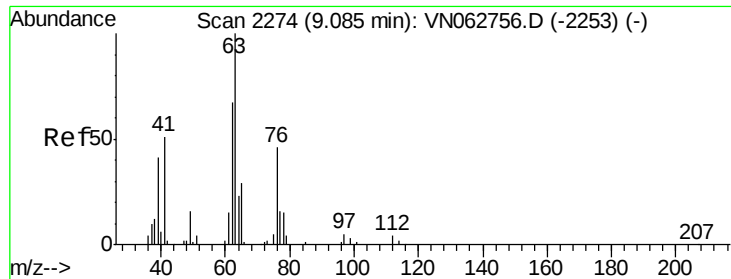
#44
Trichloroethene
Concen: 5.607 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	207.6



Abundance Ion 129.80 (129.50 to 130.50): VN062754.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 4.867 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 10591

Ion Ratio Lower Upper

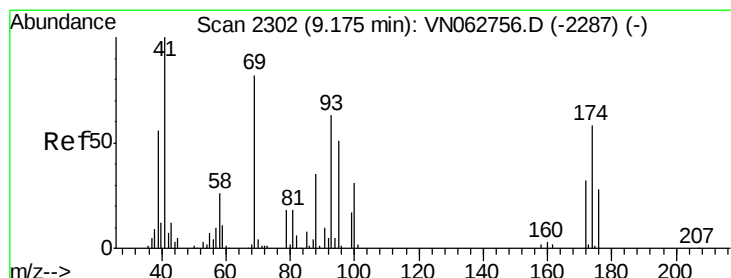
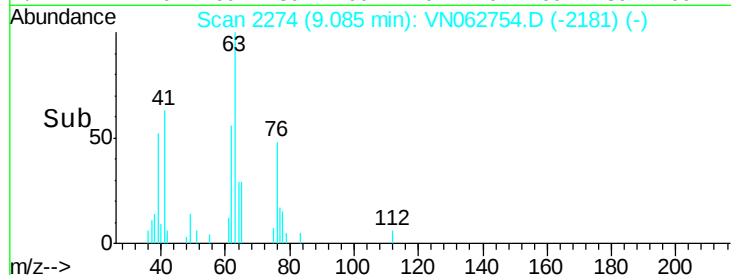
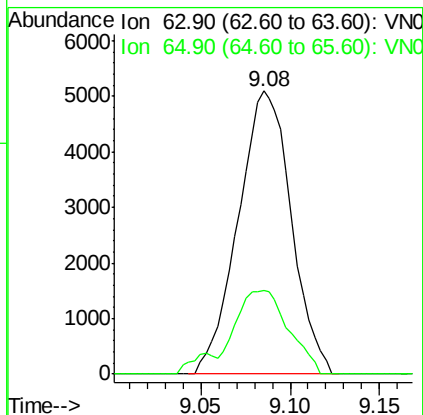
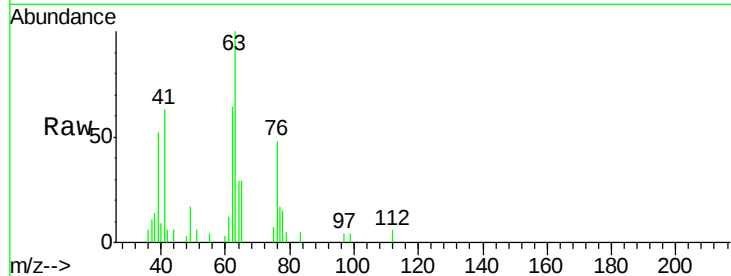
63 100

65 29.3 23.5 35.3

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#46

Dibromomethane

Concen: 5.623 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

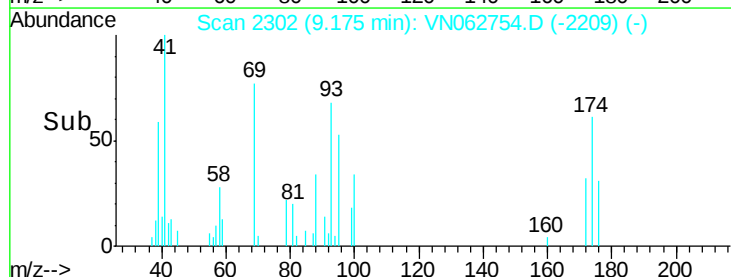
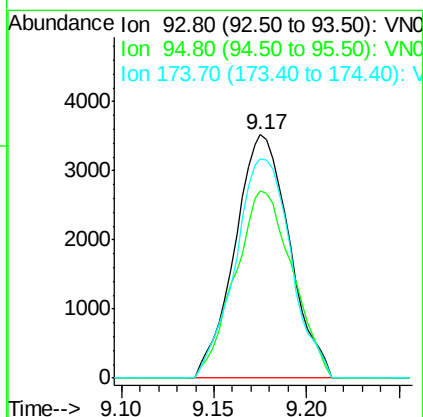
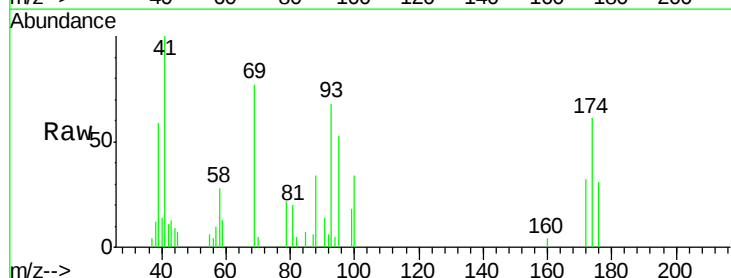
Tgt Ion: 93 Resp: 7192

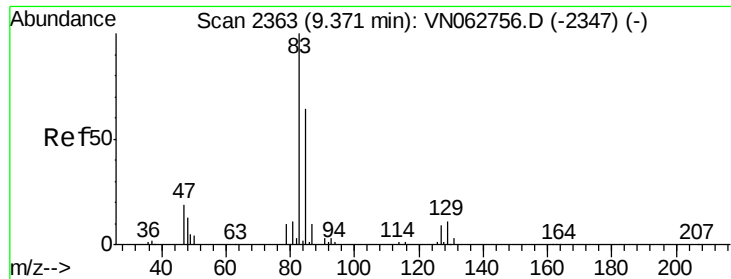
Ion Ratio Lower Upper

93 100

95 81.1 65.1 97.7

174 91.9 73.9 110.9





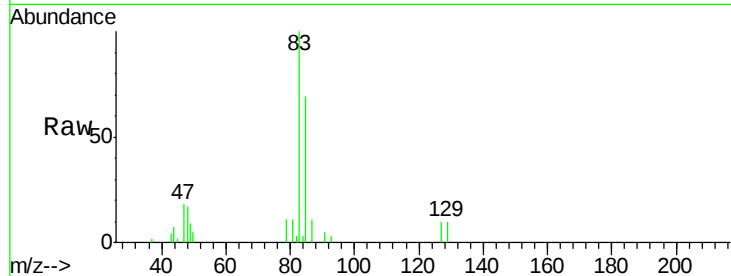
#47
Bromodichloromethane
Concen: 5.368 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

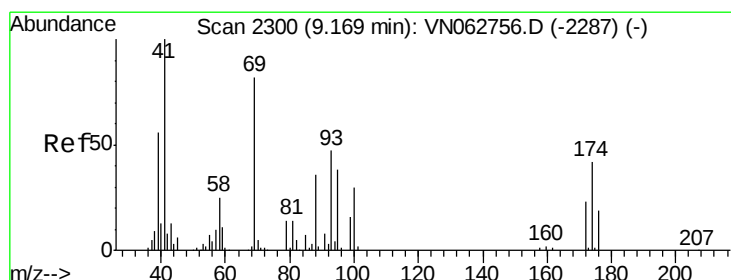
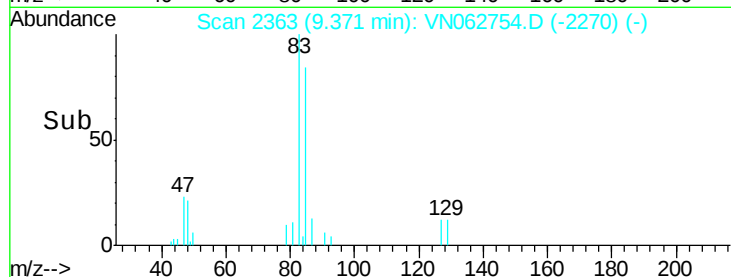
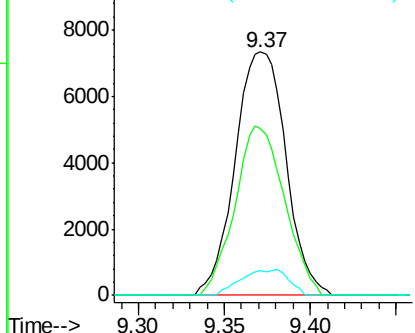
Tot Ion	Ratio	Lower	Upper
83	100		
85	68.8	51.4	77.0
127	10.0	6.9	10.3

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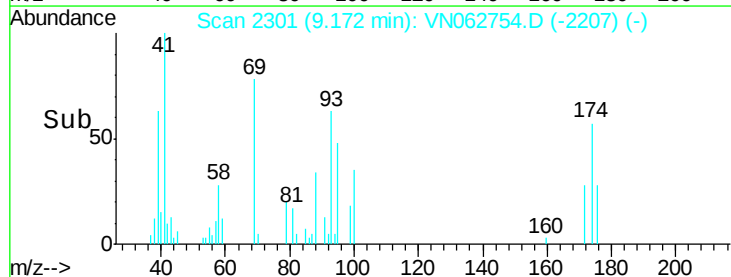
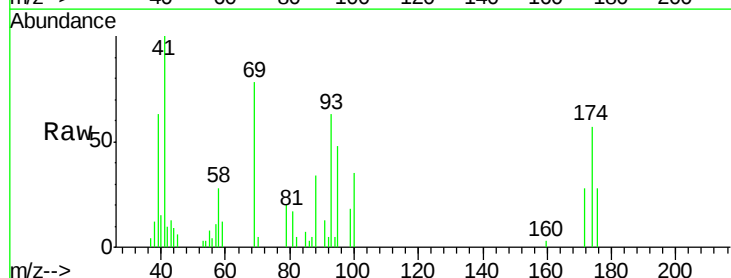
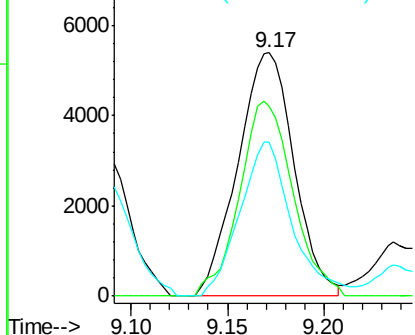
Abundance Ion 82.90 (82.60 to 83.60): VN062754.D (-2270) (-)
Ion 84.90 (84.60 to 85.60): VN062754.D (-2270) (-)
Ion 126.80 (126.50 to 127.50): VN062754.D (-2270) (-)



#48
Methyl methacrylate
Concen: 5.108 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. 0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.9	67.4	101.2
39	59.2	47.6	71.4

Abundance Ion 41.00 (40.70 to 41.70): VN062754.D (-2207) (-)
Ion 69.00 (68.70 to 69.70): VN062754.D (-2207) (-)
Ion 39.00 (38.70 to 39.70): VN062754.D (-2207) (-)





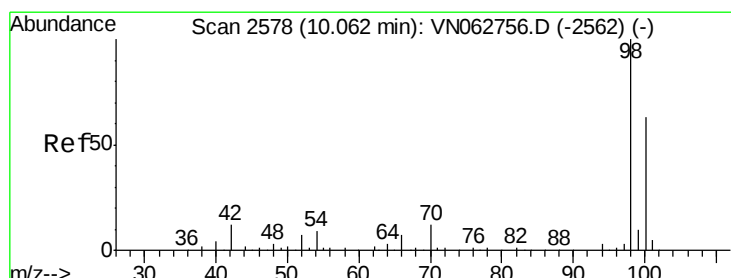
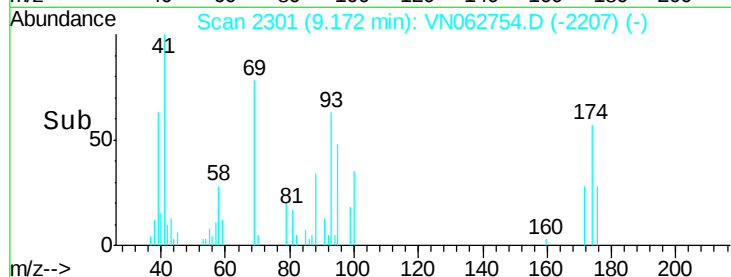
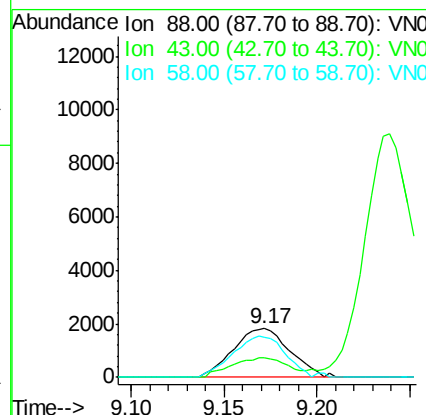
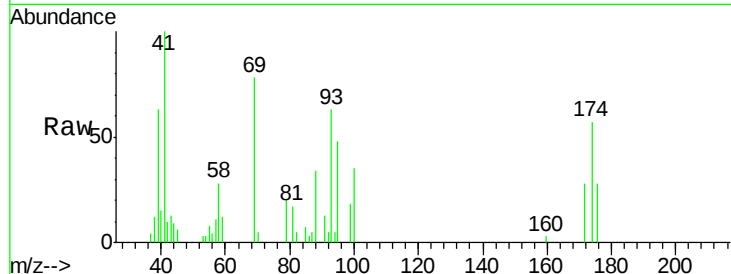
#49
1,4-Dioxane
Concen: 113.604 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. 0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	29.5	44.3
58	77.1	59.8	89.8

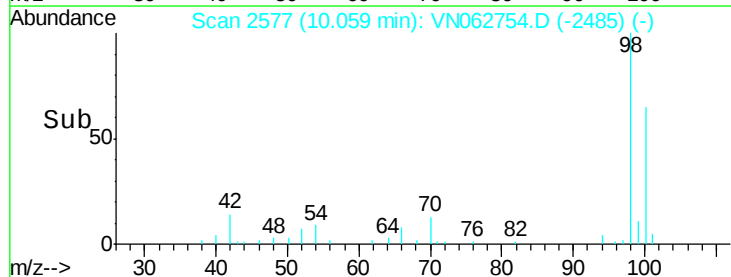
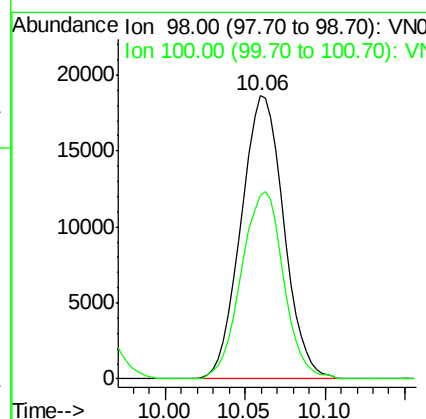
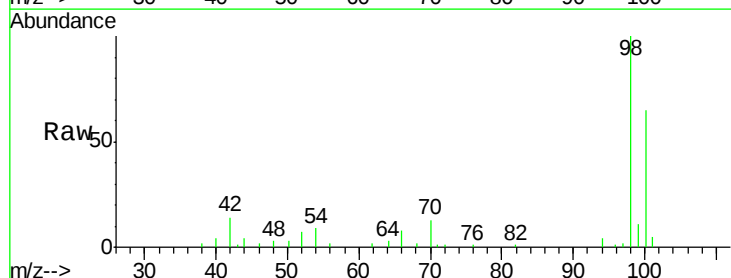
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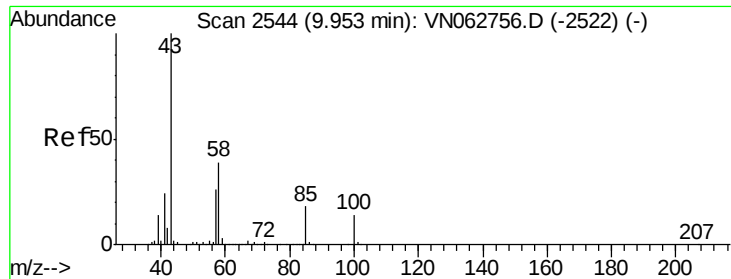
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#50
Toluene-d8
Concen: 5.293 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 25.515 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 69156

Ion Ratio Lower Upper

43 100

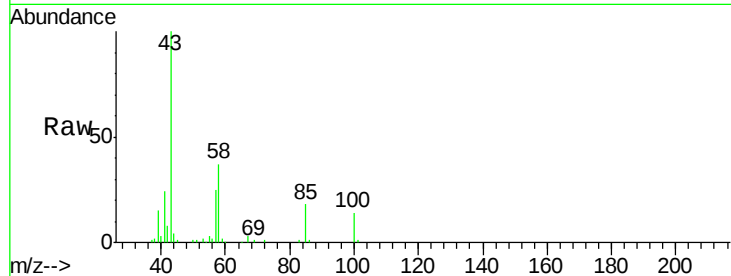
58 37.8 31.1 46.7

Manual Integrations

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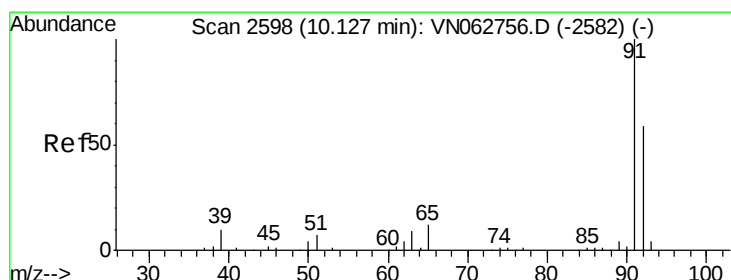
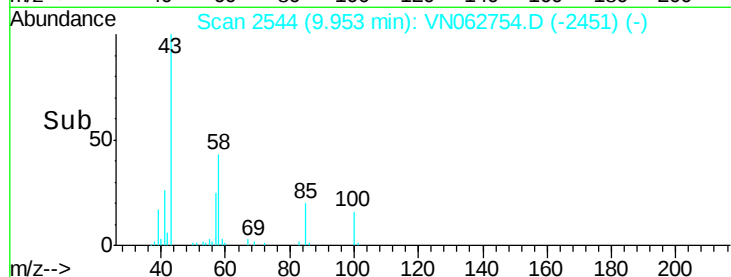
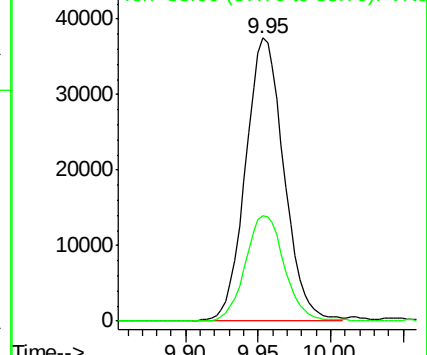
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.330 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062754.D

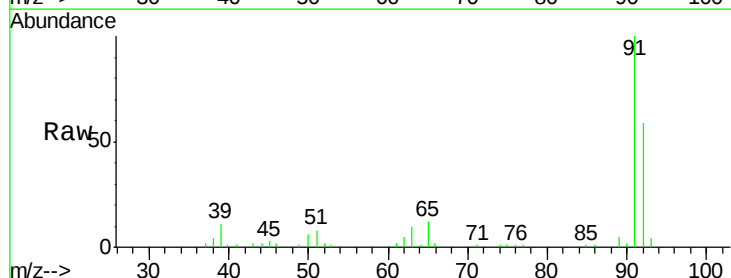
Acq: 5 Aug 2020 11:26

Tgt Ion: 92 Resp: 24256

Ion Ratio Lower Upper

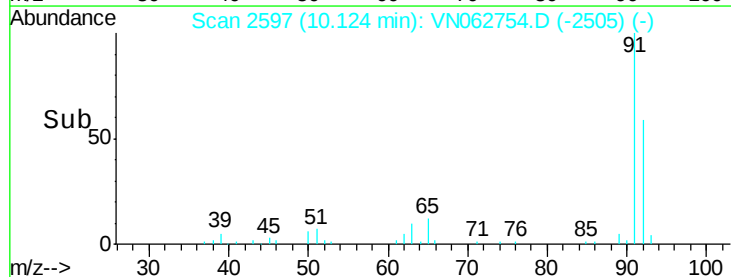
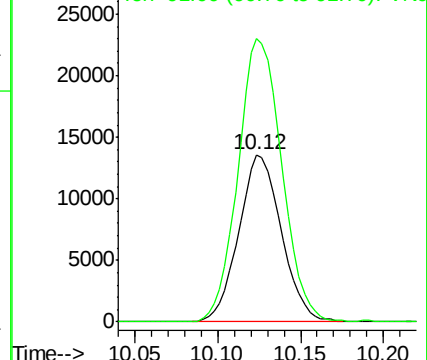
92 100

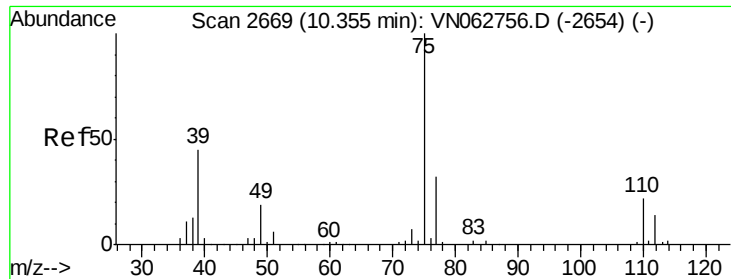
91 174.1 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





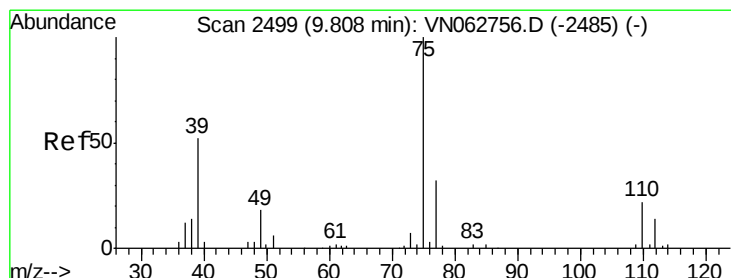
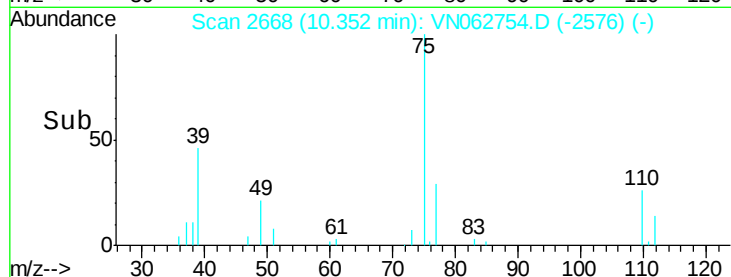
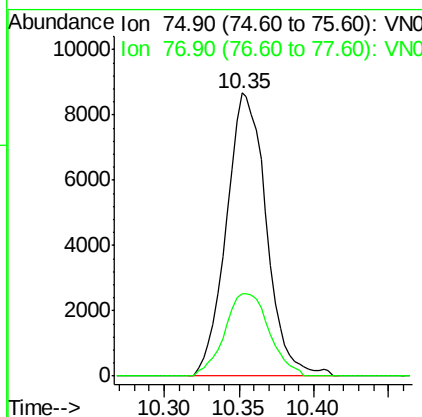
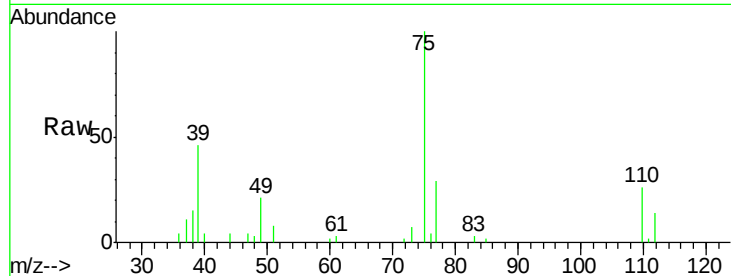
#53
t-1,3-Dichloropropene
Concen: 5.217 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 16166
Ion Ratio Lower Upper
75 100
77 29.1 25.4 38.2

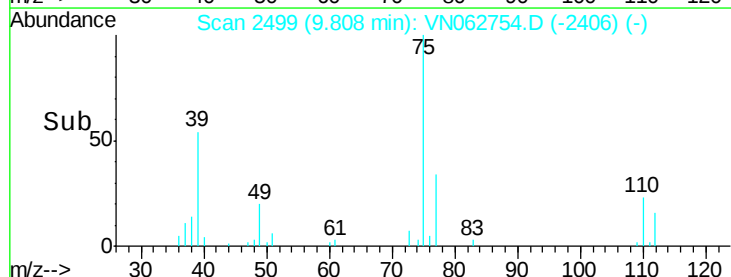
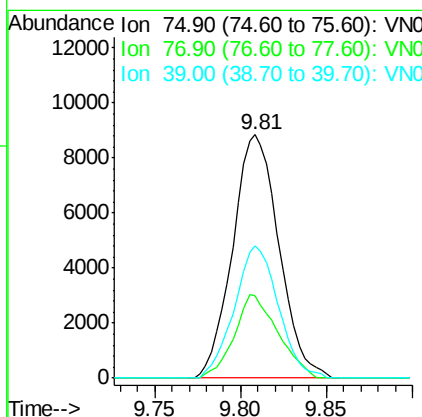
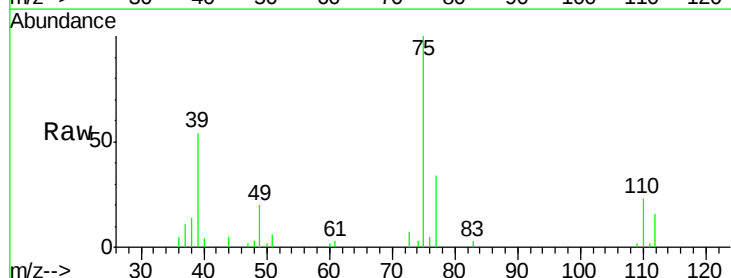
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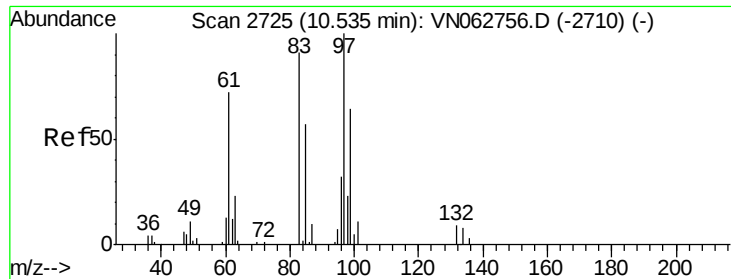
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#54
cis-1,3-Dichloropropene
Concen: 5.048 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion: 75 Resp: 16550
Ion Ratio Lower Upper
75 100
77 34.0 25.5 38.3
39 54.2 41.9 62.9





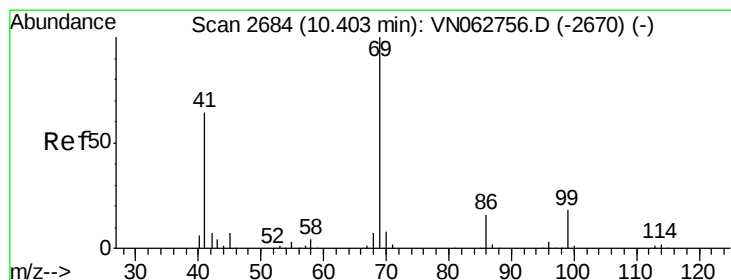
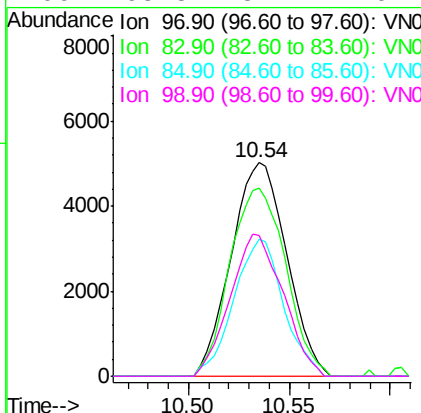
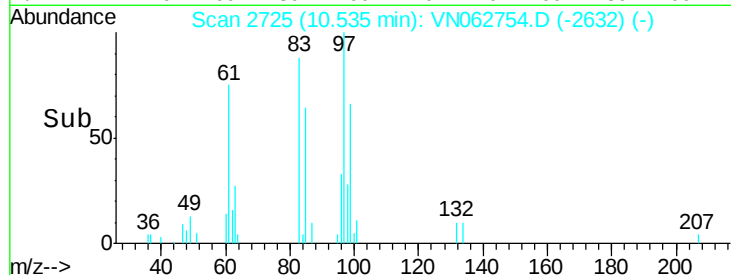
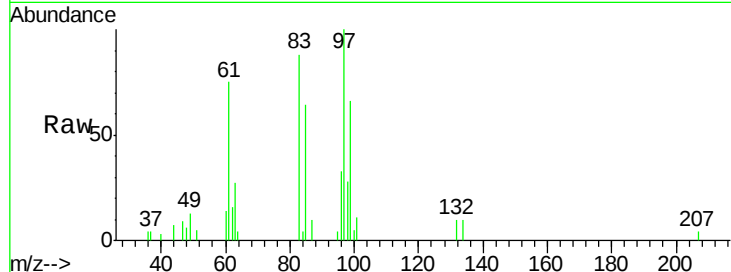
#55
 1,1,2-Trichloroethane
 Concen: 5.405 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	9641
Ion	Ratio	Lower	Upper
97	100		
83	87.9	72.6	108.8
85	64.1	46.0	69.0
99	65.8	51.1	76.7

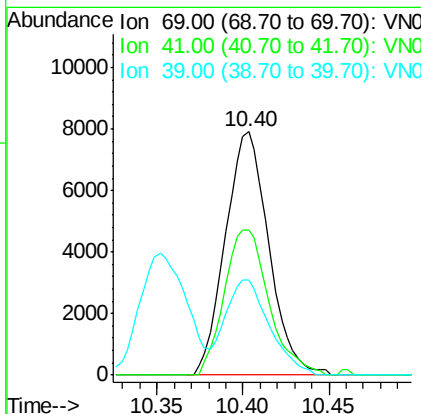
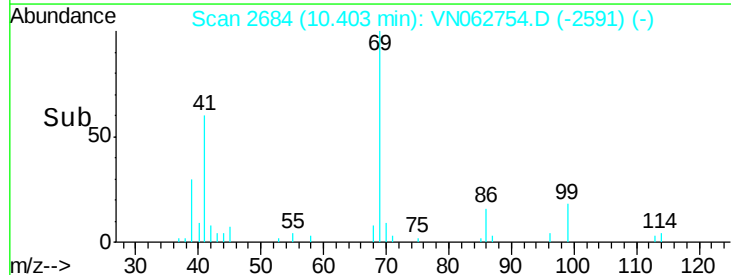
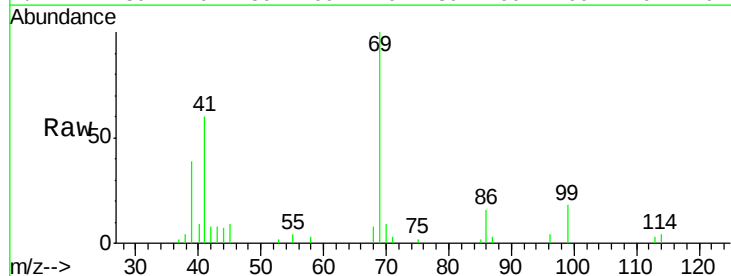
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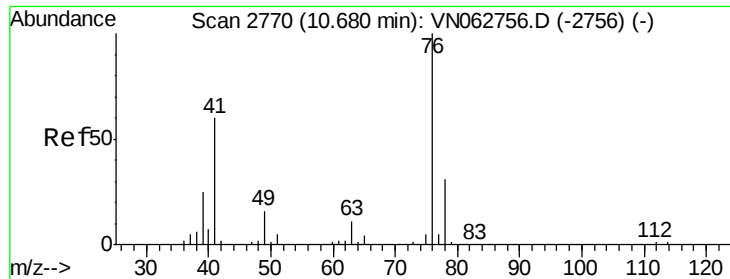
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#56
 Ethyl methacrylate
 Concen: 4.887 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. -0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Tgt Ion:	69	Resp:	13906
Ion	Ratio	Lower	Upper
69	100		
41	61.6	52.2	78.2
39	39.9	30.9	46.3





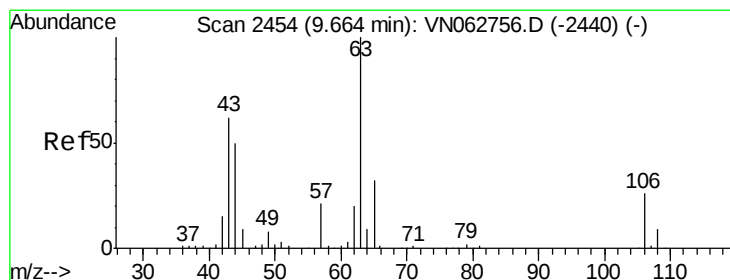
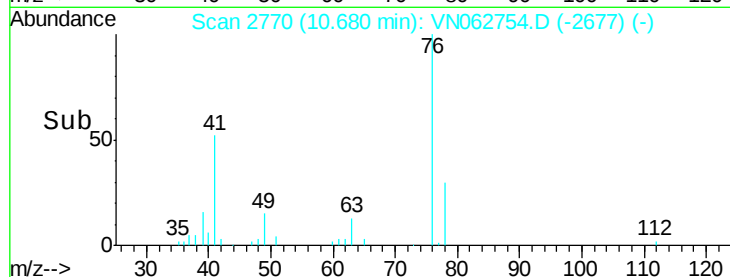
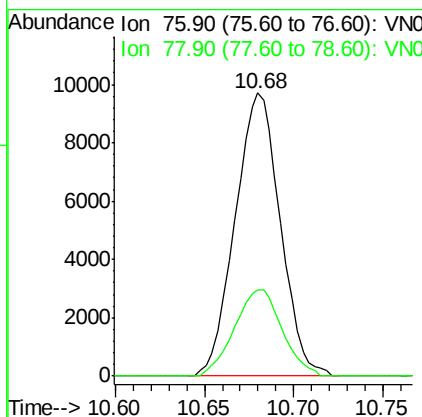
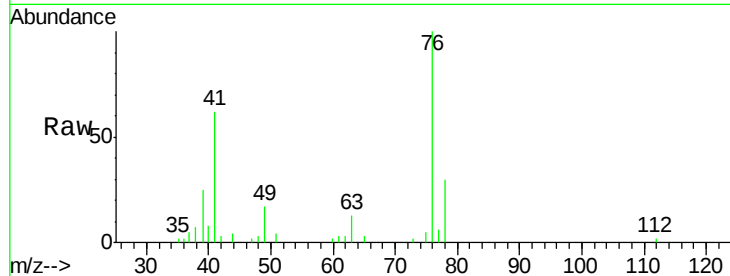
#57
 1,3-Dichloropropane
 Concen: 5.269 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 17127
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.4 38.0

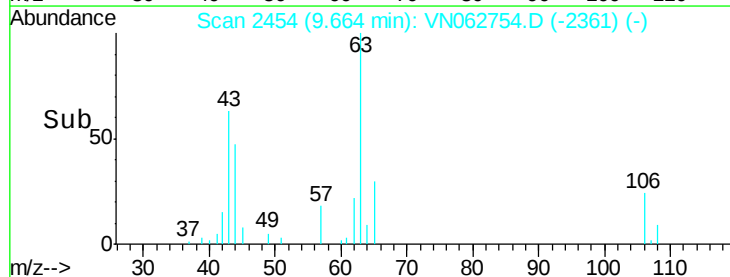
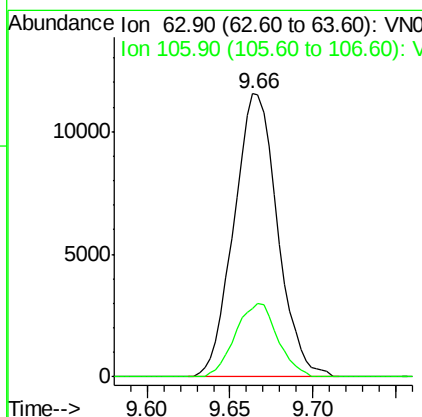
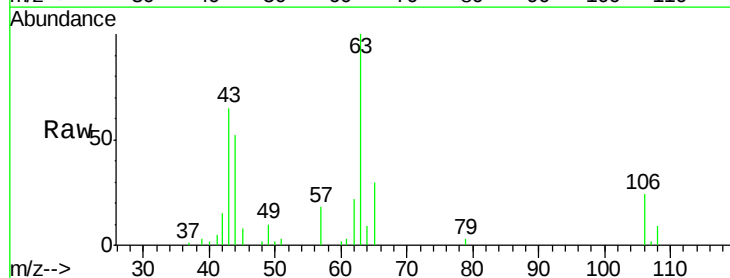
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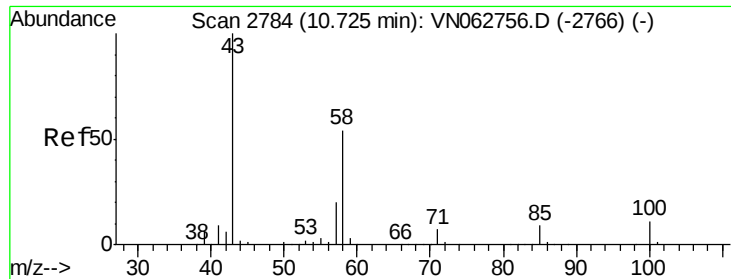
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 8/6/2020 1:51:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 26.259 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Tgt Ion: 63 Resp: 21063
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.9 31.3





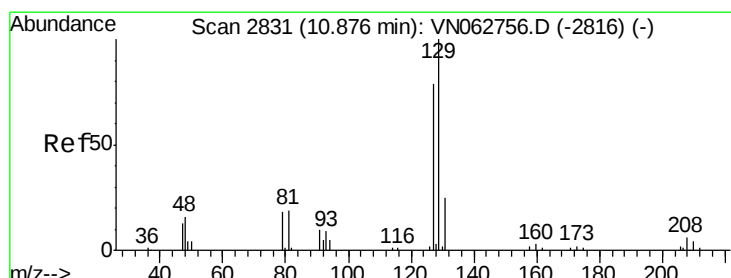
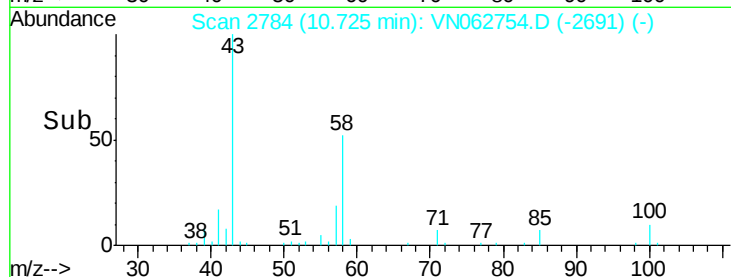
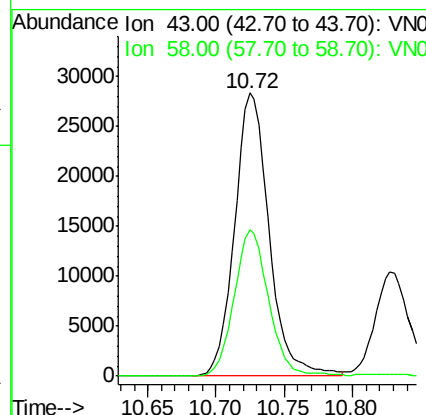
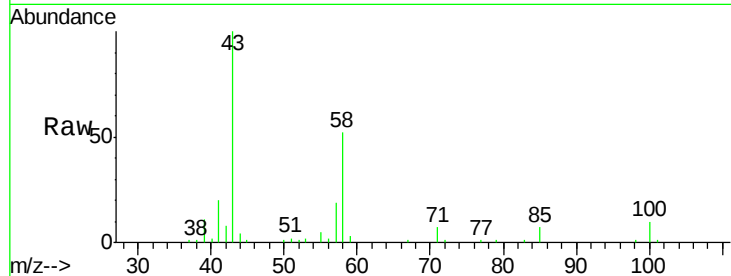
#59
2-Hexanone
Concen: 25.736 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 49869
Ion Ratio Lower Upper
43 100
58 51.6 26.7 80.1

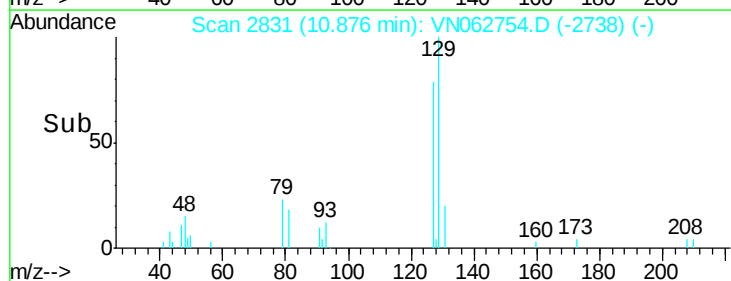
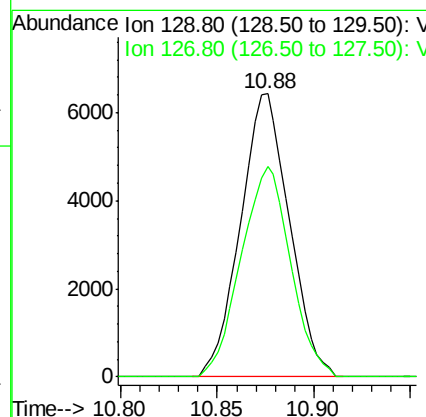
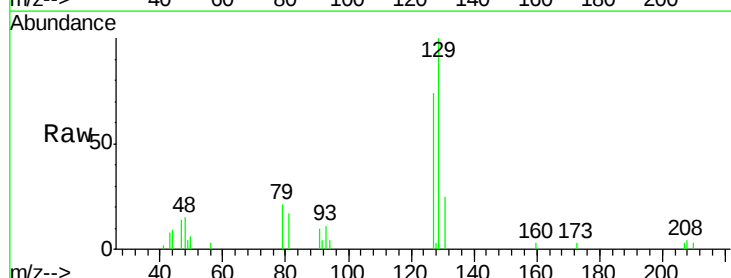
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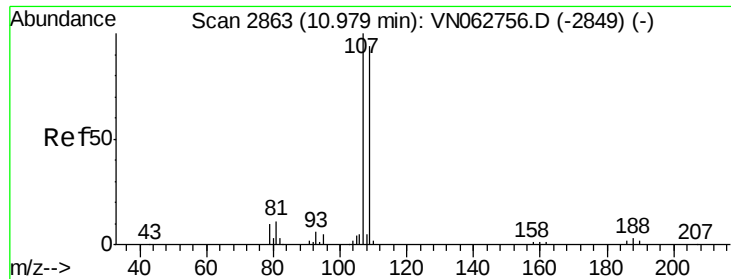
MMDadoda
8/6/2020 1:51:41 PM



#60
Dibromochloromethane
Concen: 5.619 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion: 129 Resp: 11285
Ion Ratio Lower Upper
129 100
127 75.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 5.405 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 10009

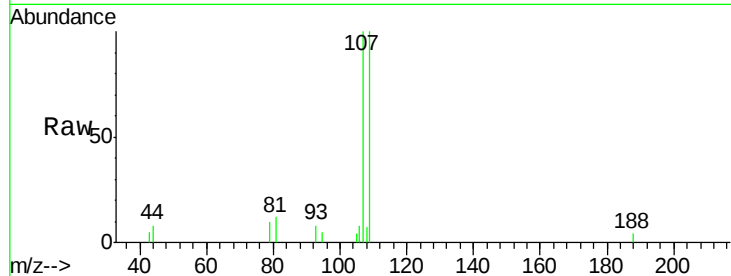
Ion Ratio Lower Upper

107 100

109 96.4 76.1 114.1

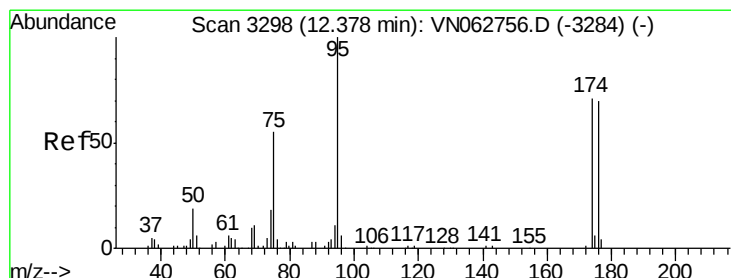
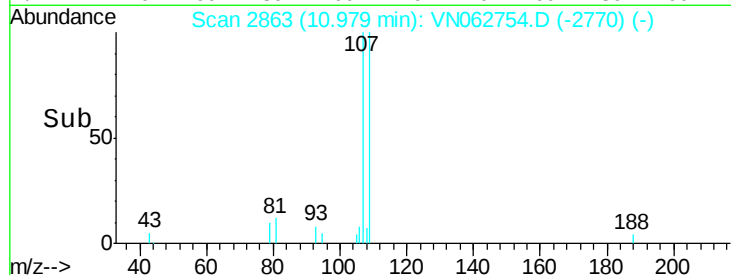
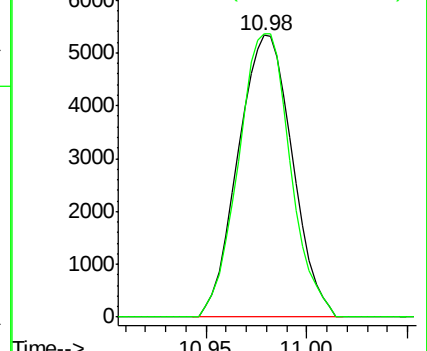
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.904 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

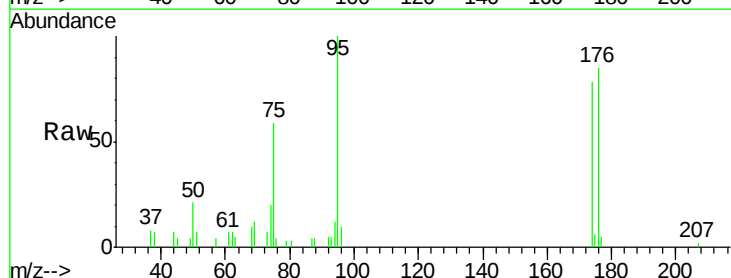
Tgt Ion: 95 Resp: 11637

Ion Ratio Lower Upper

95 100

174 75.6 0.0 144.8

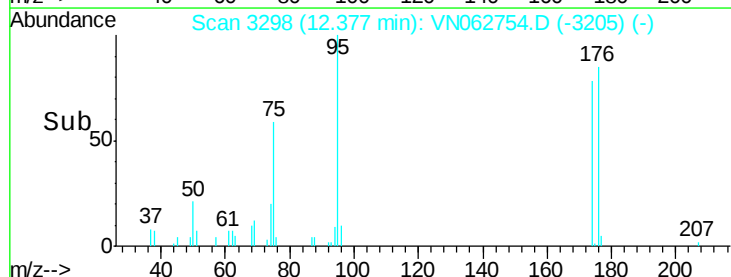
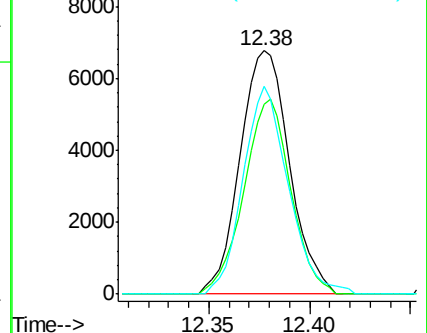
176 78.0 0.0 142.2

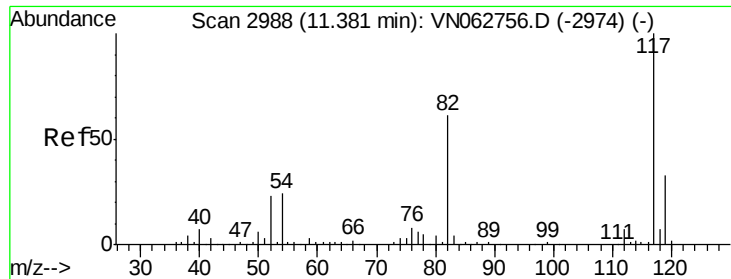


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





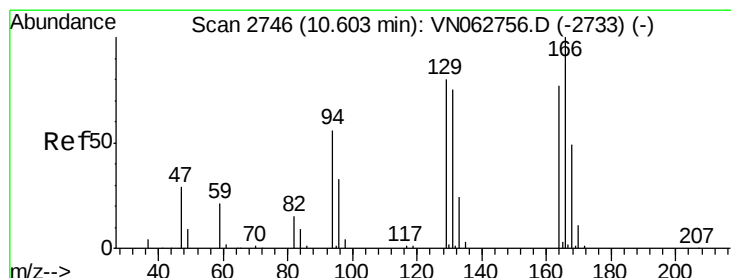
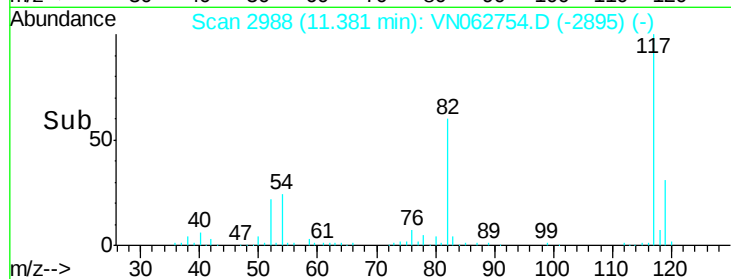
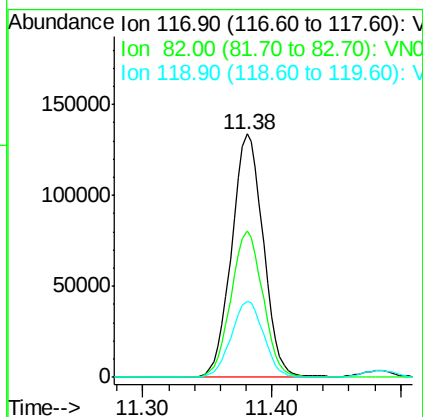
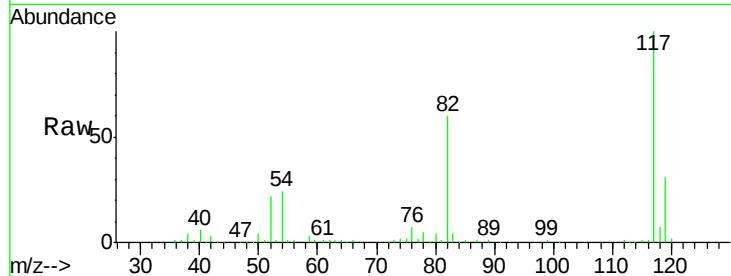
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	49.0	73.4
119	31.3	26.2	39.2

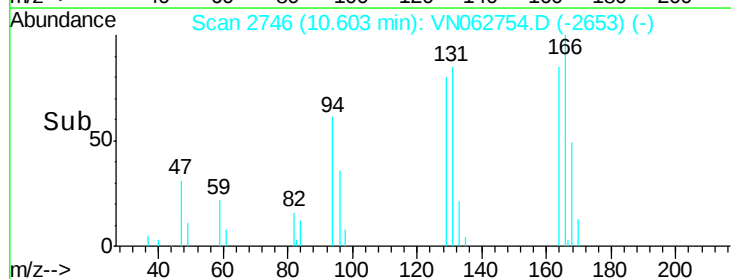
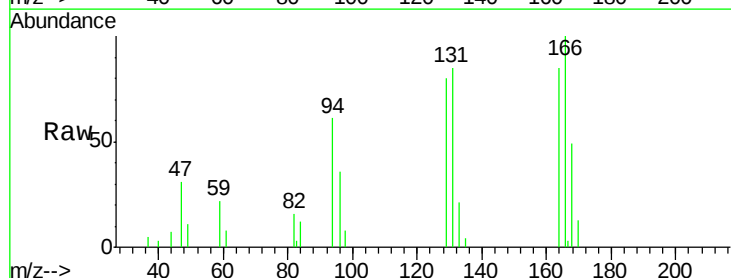
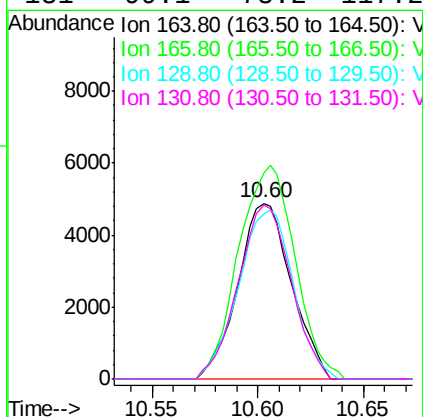
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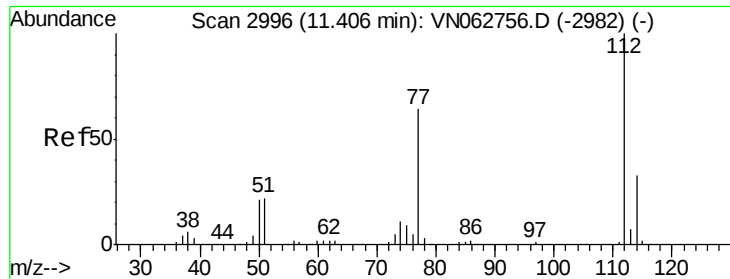
MMDadoda
8/6/2020 1:51:41 PM



#64
Tetrachloroethene
Concen: 5.833 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.1	103.8	155.8
129	94.1	82.7	124.1
131	99.1	78.2	117.2





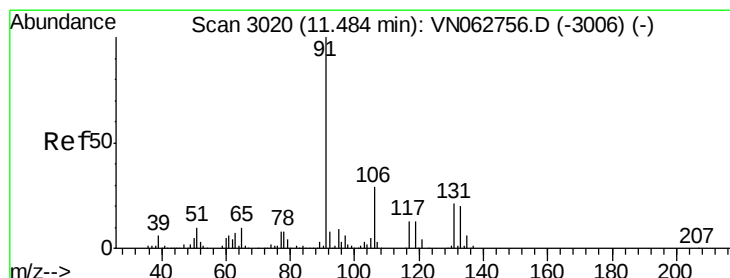
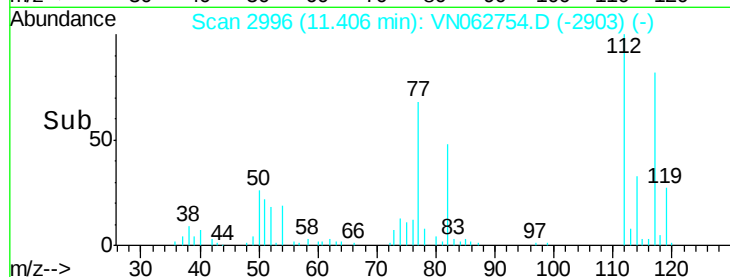
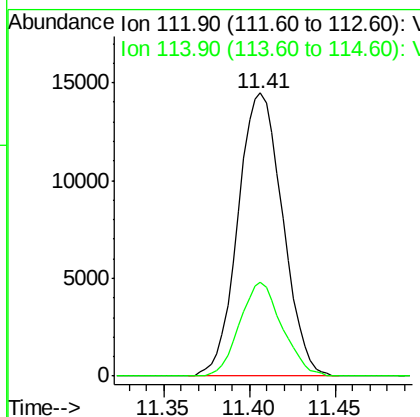
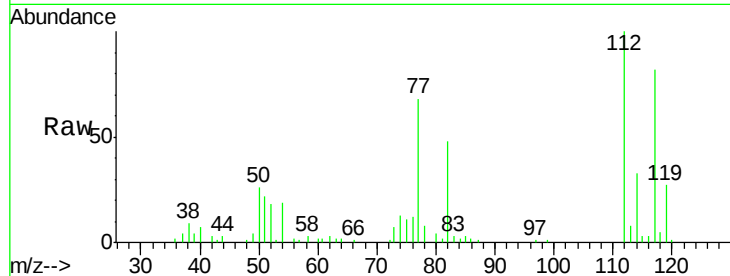
#65
Chlorobenzene
Concen: 5.486 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 26164
Ion Ratio Lower Upper
112 100
114 33.3 26.2 39.4

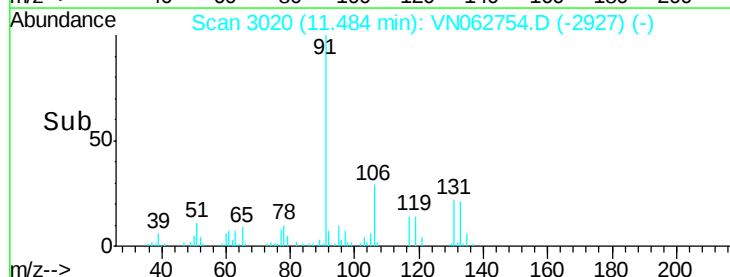
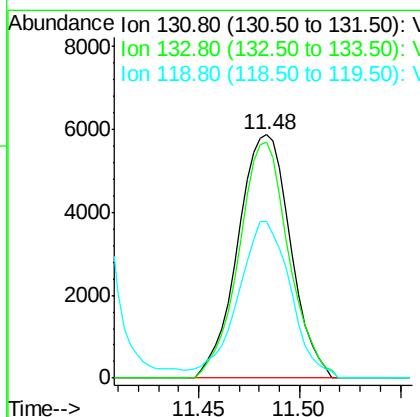
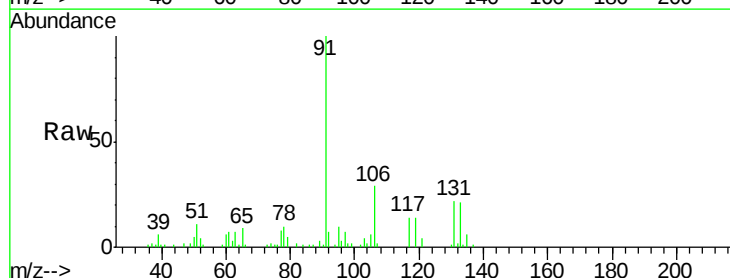
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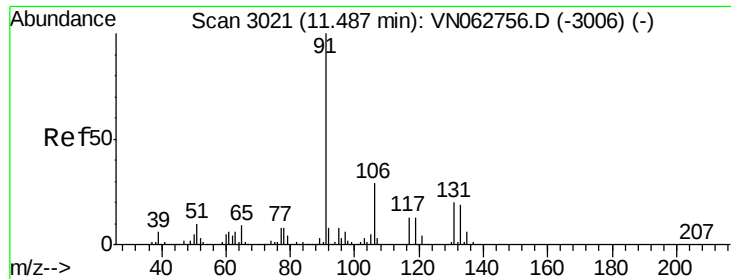
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.880 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion:131 Resp: 10713
Ion Ratio Lower Upper
131 100
133 92.1 48.6 145.8
119 64.5 32.2 96.6





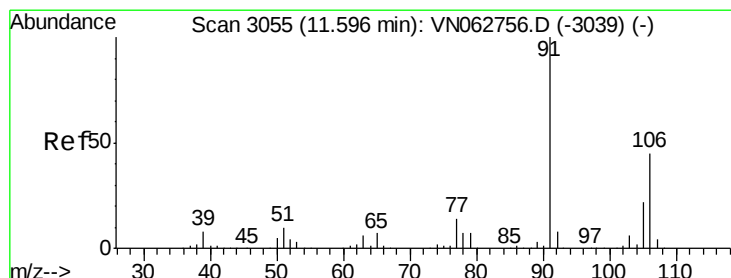
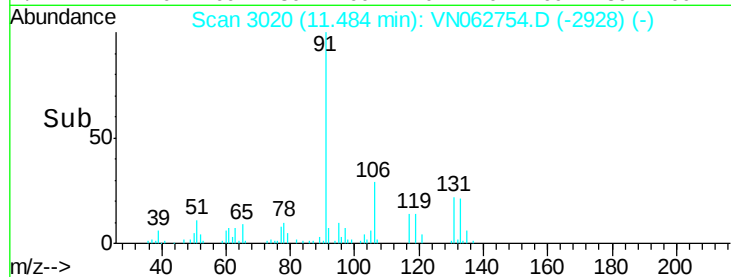
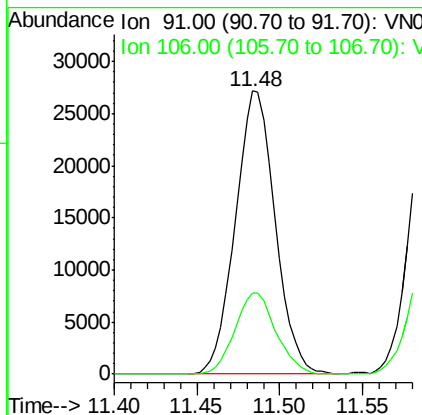
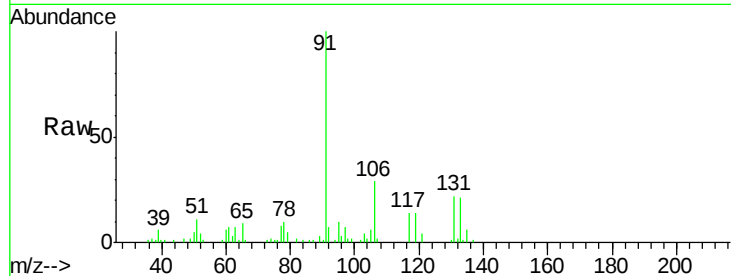
#67
Ethyl Benzene
Concen: 5.190 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 45353
Ion Ratio Lower Upper
91 100
106 28.5 23.2 34.8

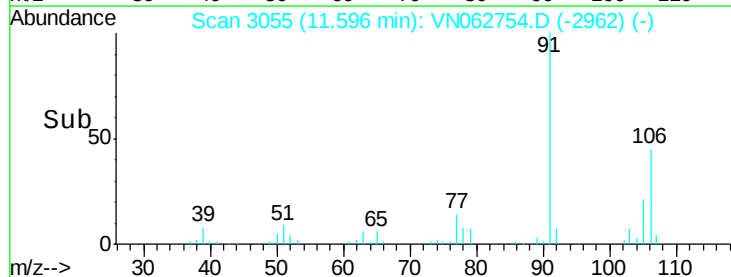
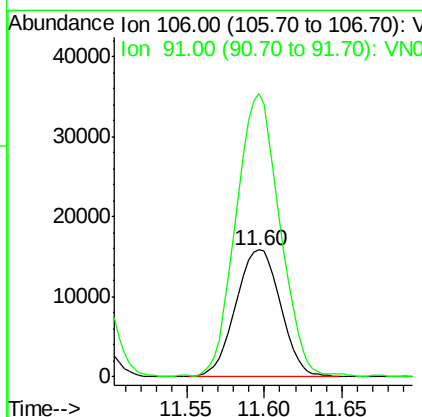
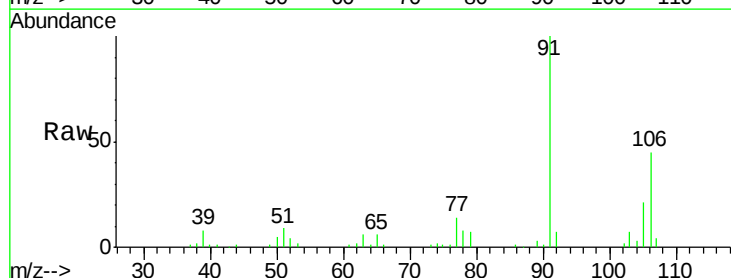
Manual Integrations
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#68
m/p-Xylenes
Concen: 10.171 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion: 106 Resp: 32025
Ion Ratio Lower Upper
106 100
91 216.9 175.9 263.9





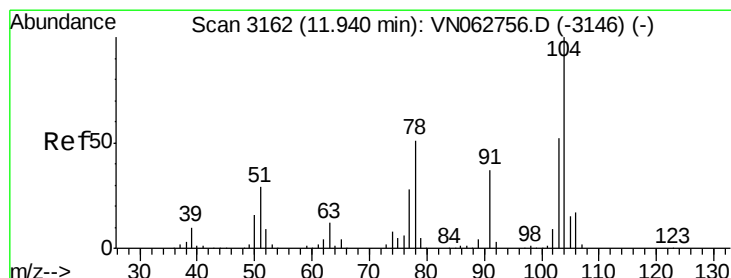
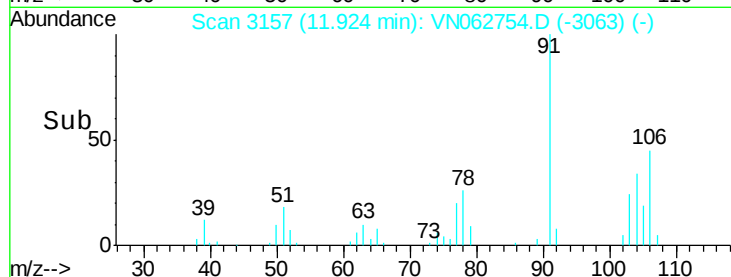
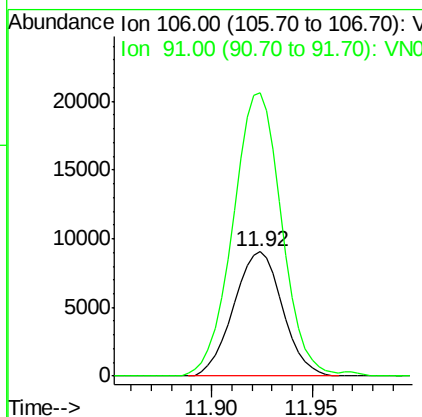
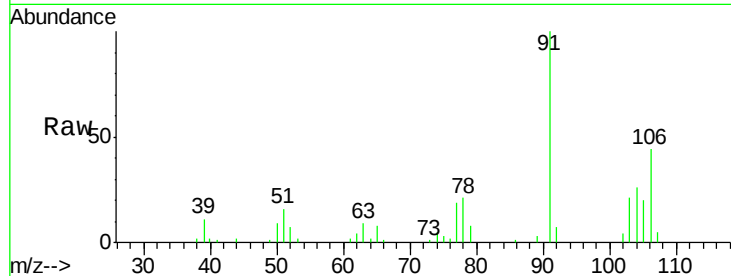
#69
o-Xylene
Concen: 5.139 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 15396
Ion Ratio Lower Upper
106 100
91 226.3 115.8 347.4

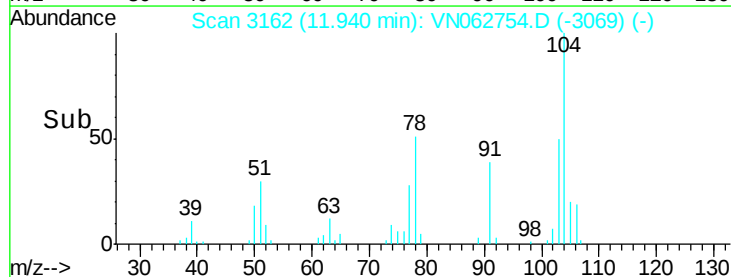
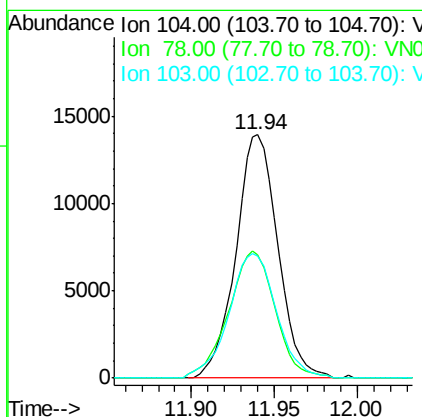
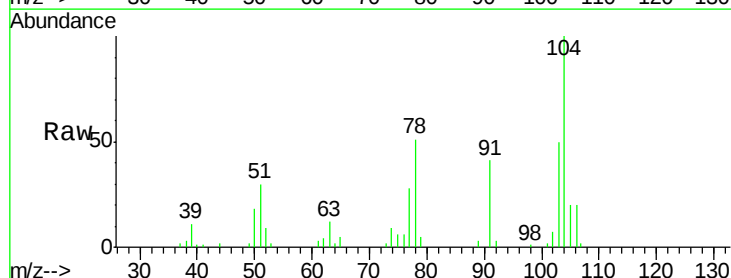
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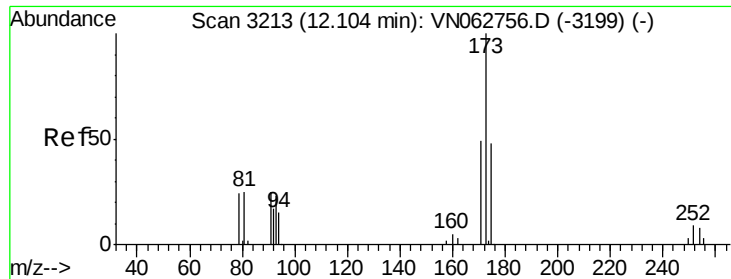
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#70
Styrene
Concen: 4.852 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion:104 Resp: 24651
Ion Ratio Lower Upper
104 100
78 57.8 45.9 68.9
103 57.6 45.1 67.7





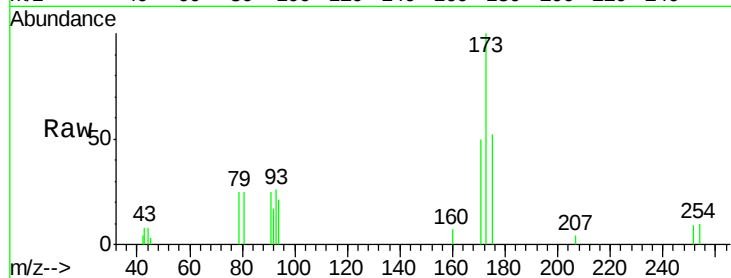
#71
Bromoform
Concen: 5.690 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

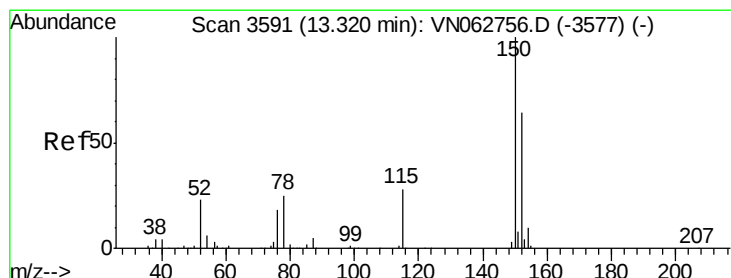
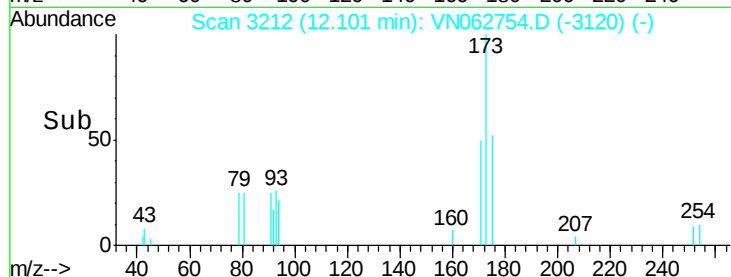
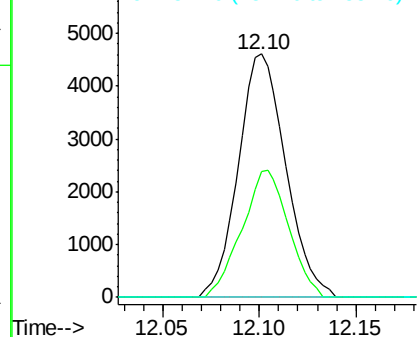
Tot Ion	Ratio	Lower	Upper
173	100		
175	51.4	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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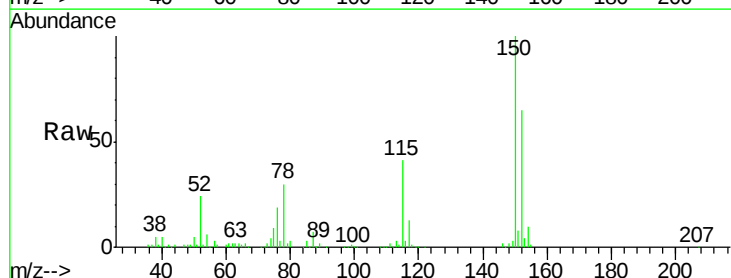


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

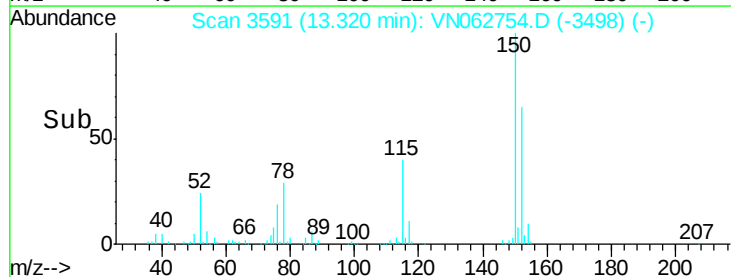
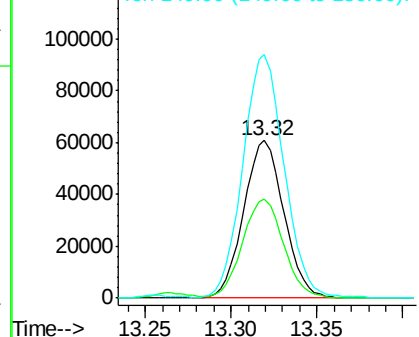


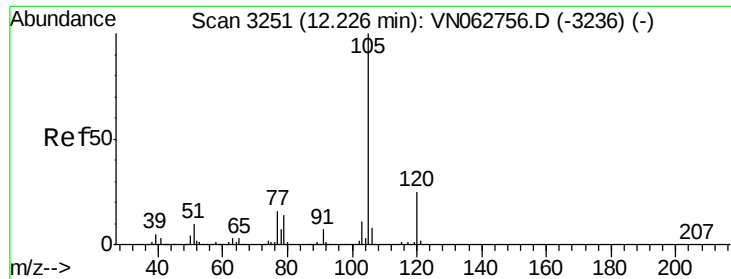
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	31.6	94.8
150	157.3	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





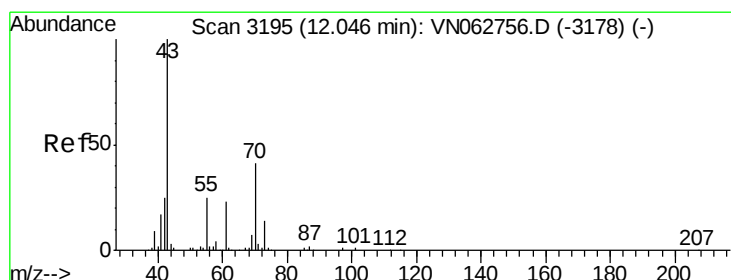
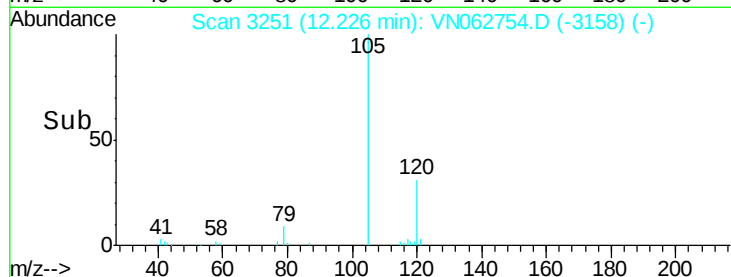
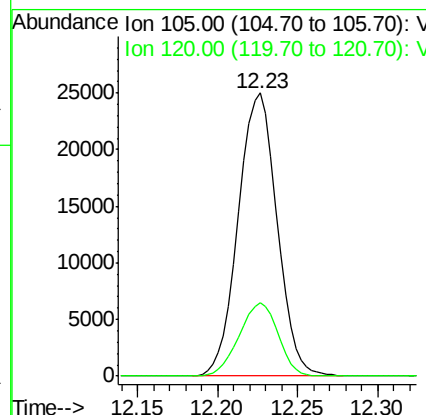
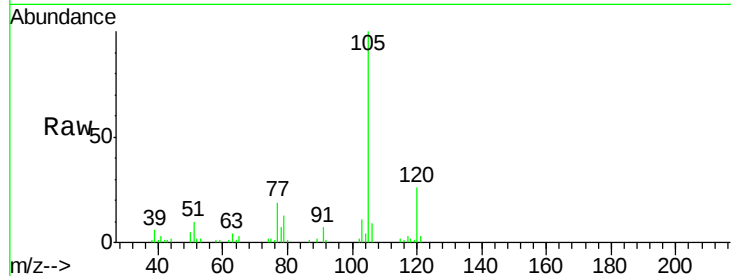
#73
Isopropylbenzene
Concen: 5.311 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.6	37.8

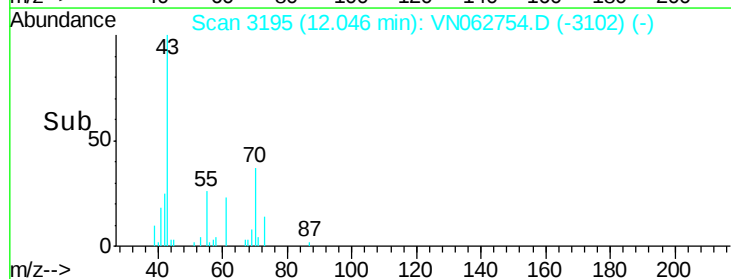
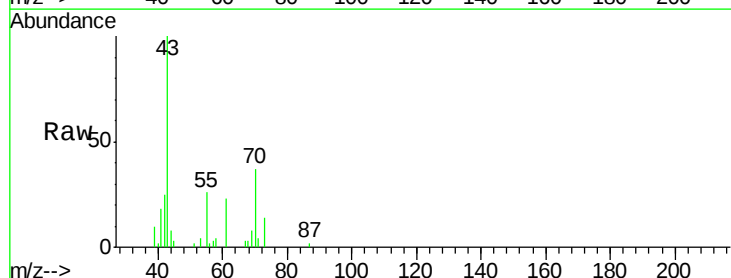
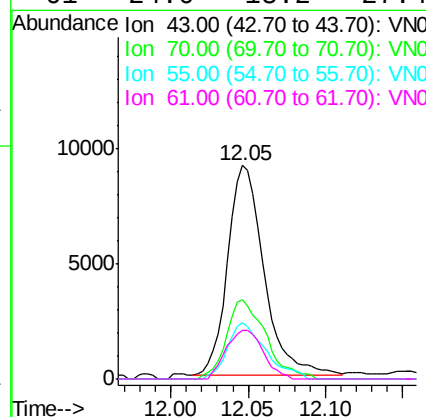
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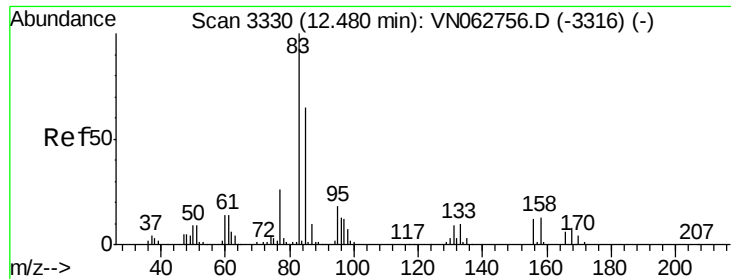
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#74
N-ethyl acetate
Concen: 4.319 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.2	32.3	48.5
55	28.2	20.2	30.2
61	24.0	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.532 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

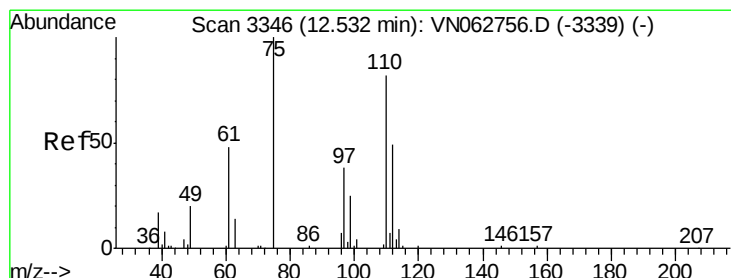
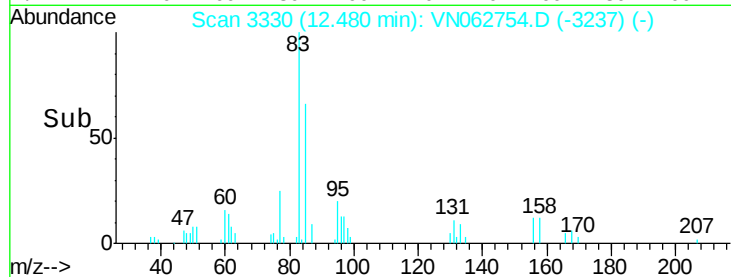
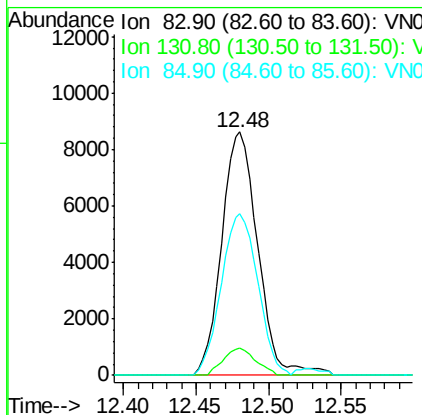
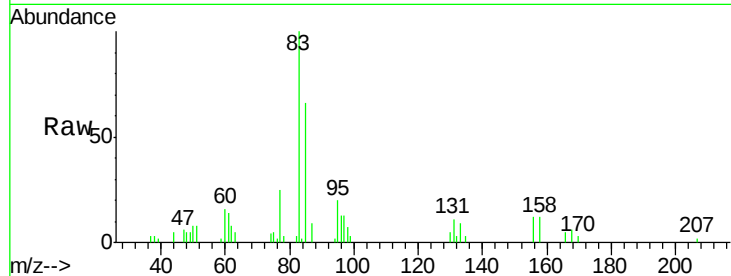
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	14923
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.4
85	67.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 6.125 ug/l m

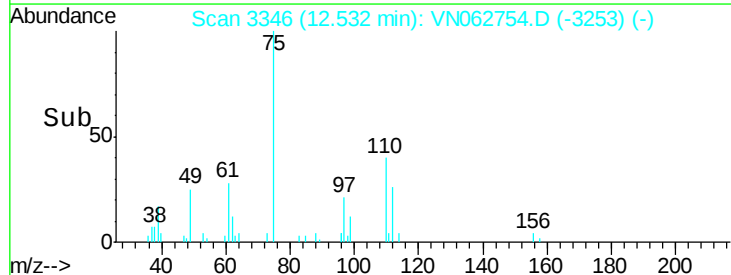
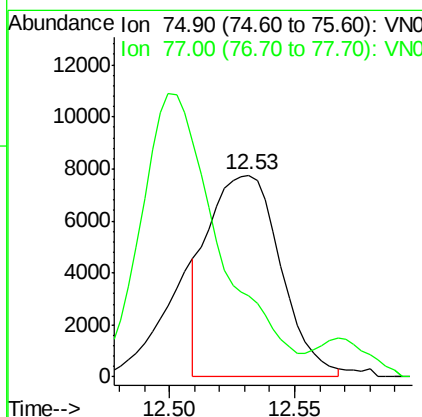
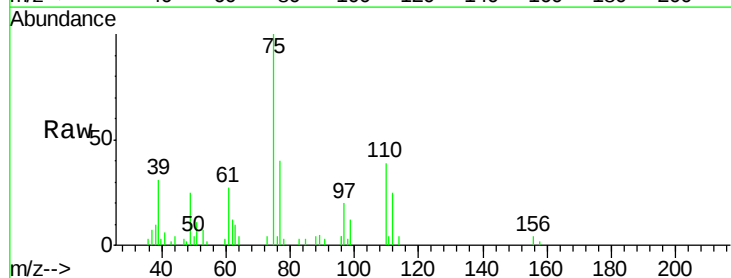
RT: 12.53 min Scan# 3346

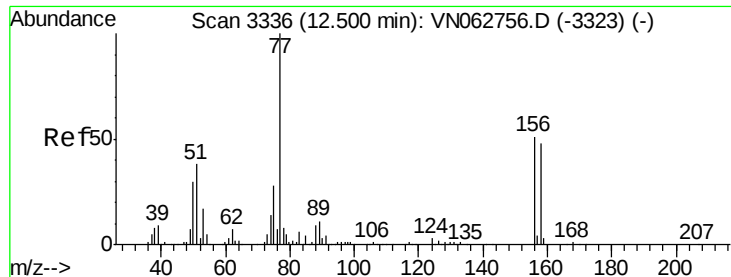
Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Tgt Ion:	75	Resp:	15495
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.535 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

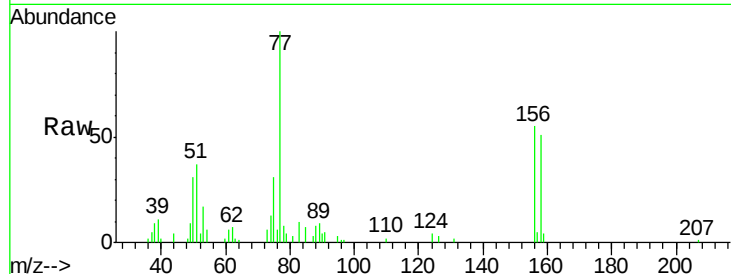
ClientSampled :

VSTDIC005

Tot Ion:	156	Resp:	10381
Ion	Ratio	Lower	Upper
156	100		
77	231.4	119.7	359.1
158	92.2	48.1	144.3

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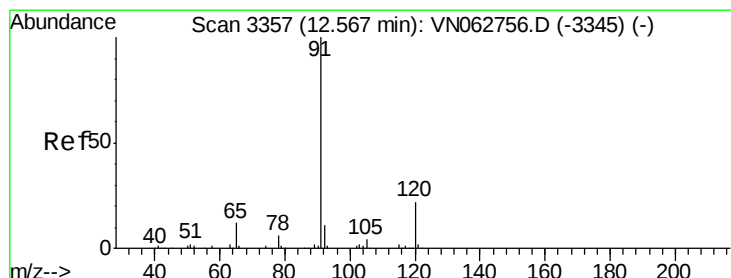
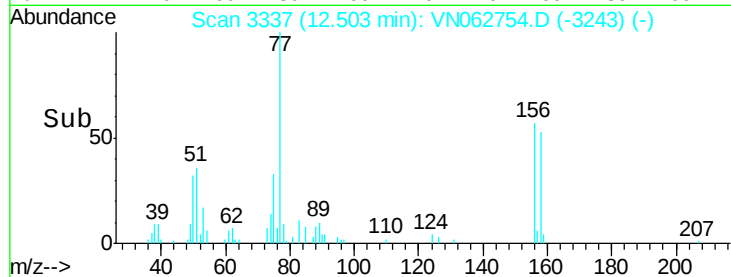
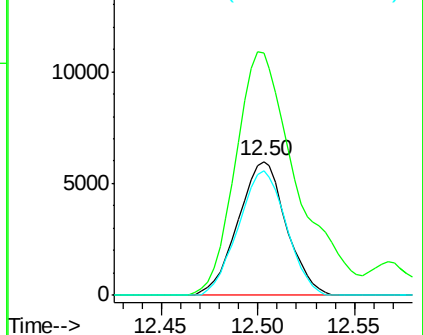
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.213 ug/l

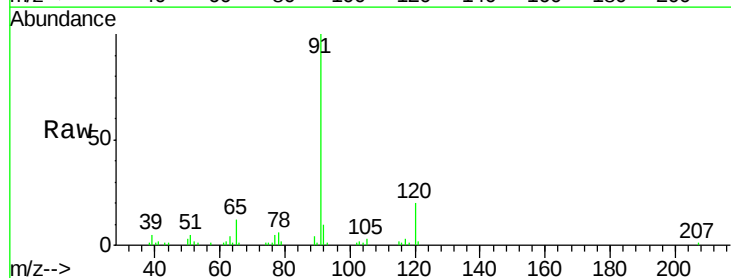
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062754.D

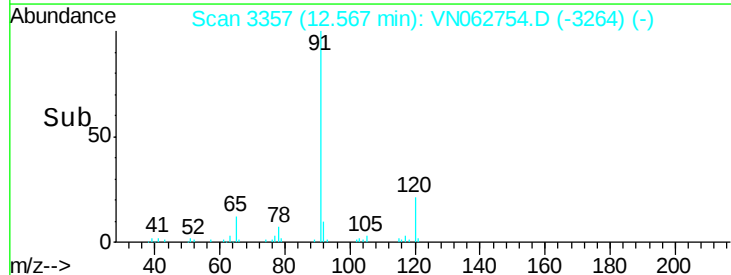
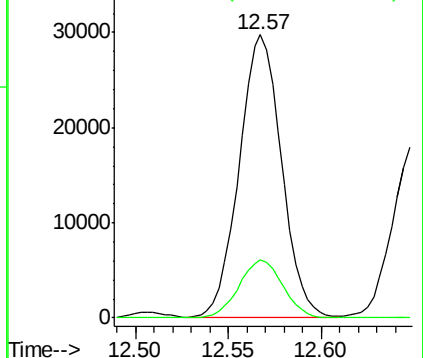
Acq: 5 Aug 2020 11:26

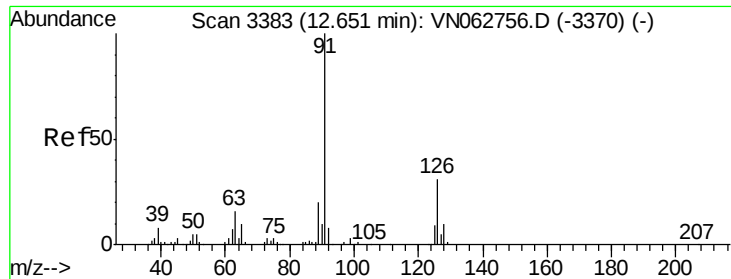
Tgt Ion:	91	Resp:	47468
Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.9	32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





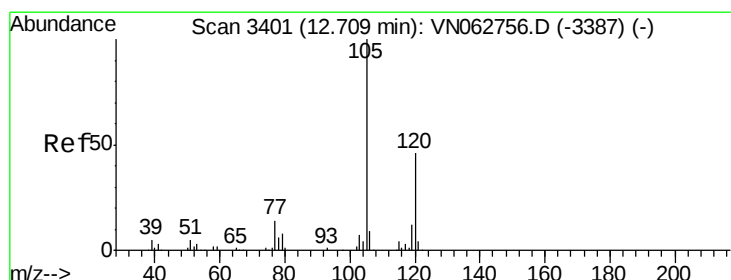
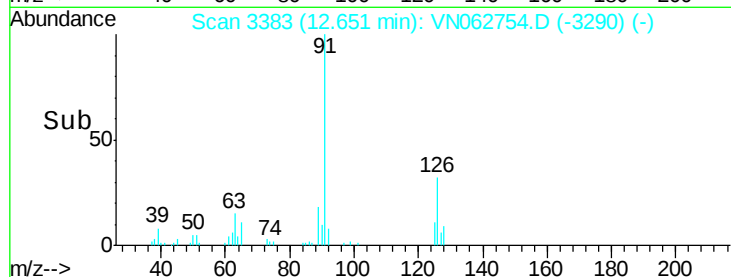
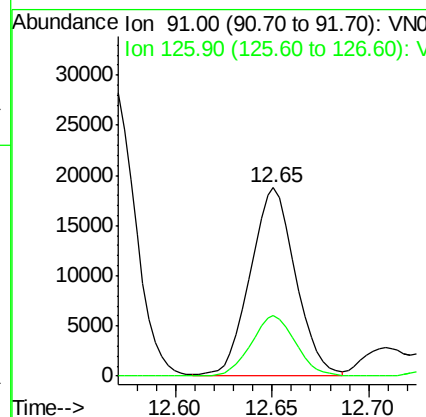
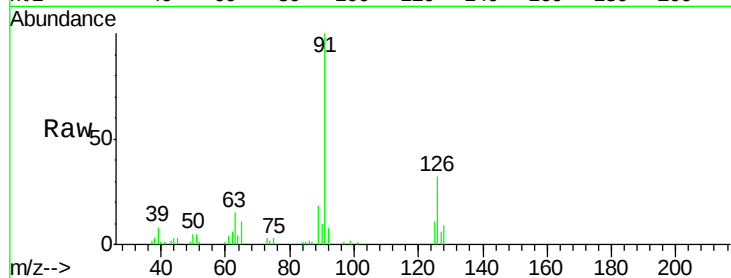
#79
 2-Chlorotoluene
 Concen: 5.451 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. -0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 30666
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.6 46.7

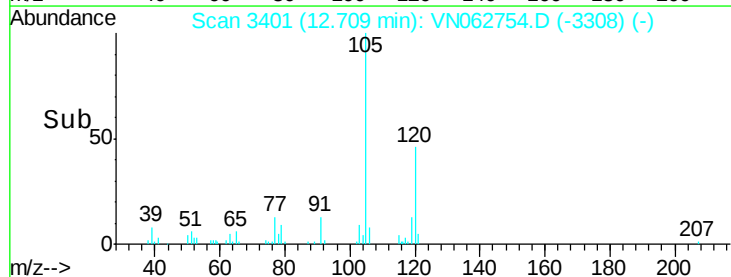
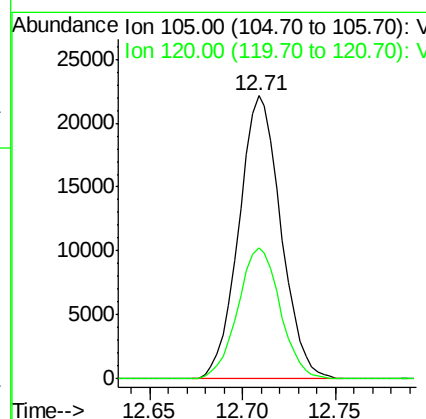
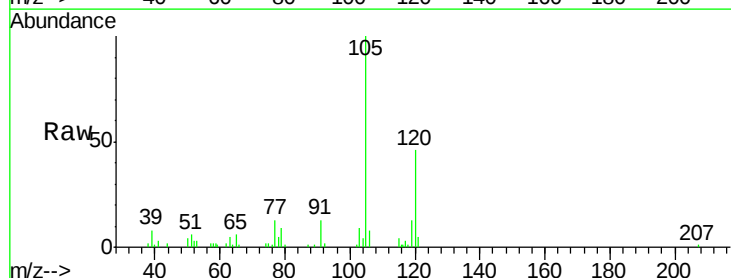
Manual Integrations
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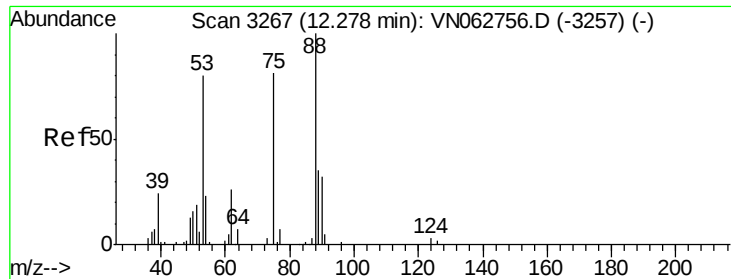
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#80
 1,3,5-Trimethylbenzene
 Concen: 5.359 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Tgt Ion: 105 Resp: 34785
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 4.897 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

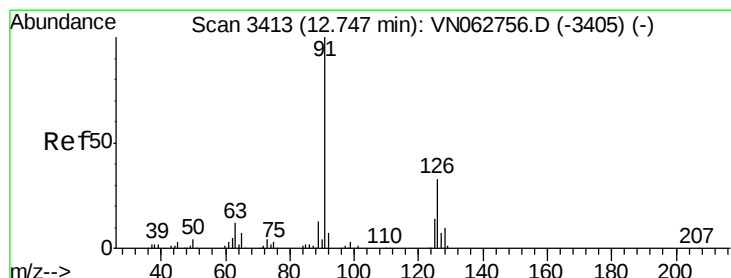
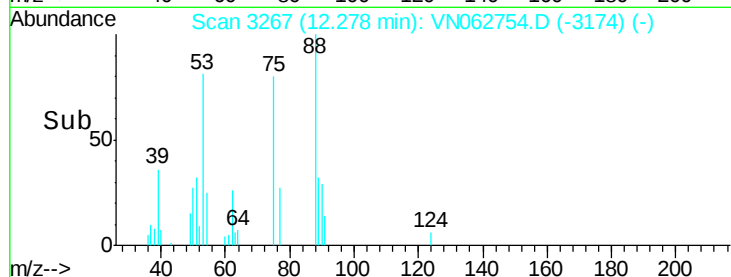
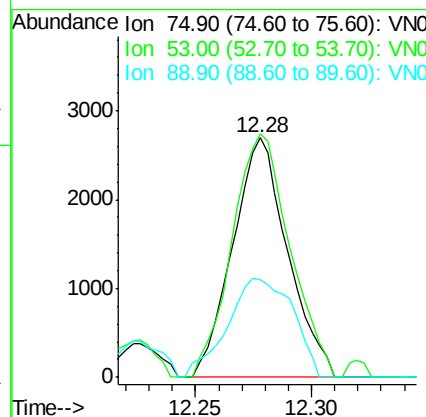
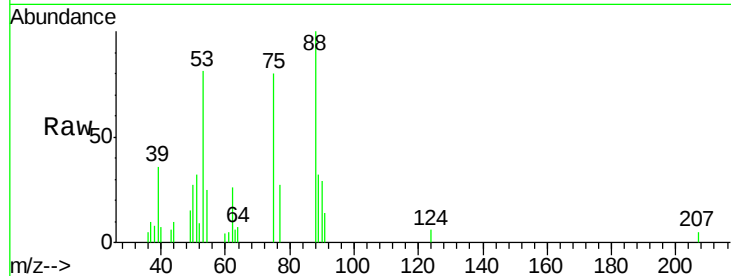
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	4431
Ion	Ratio	Lower	Upper
75	100		
53	107.2	79.1	118.7
89	49.0	36.2	54.2

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#82

4-Chlorotoluene

Concen: 5.256 ug/l

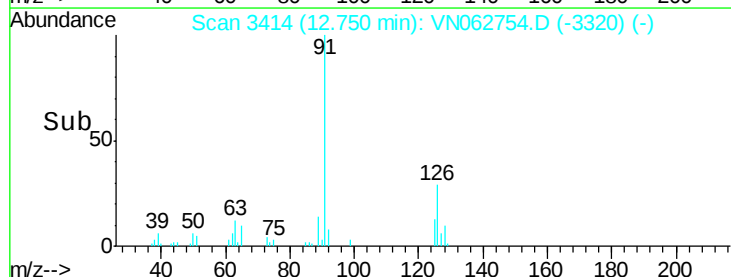
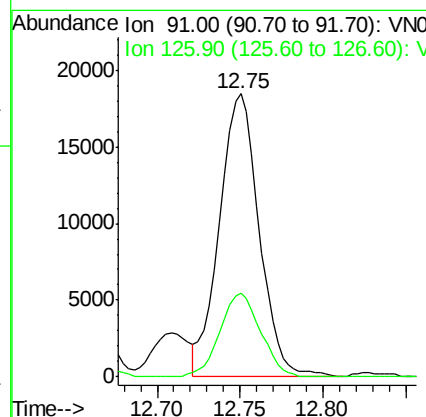
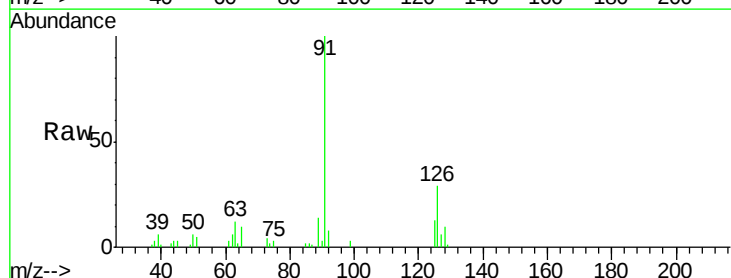
RT: 12.75 min Scan# 3414

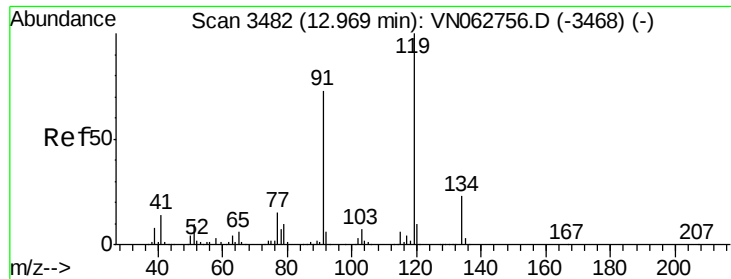
Delta R.T. 0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Tgt Ion:	91	Resp:	30799
Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.3	45.9





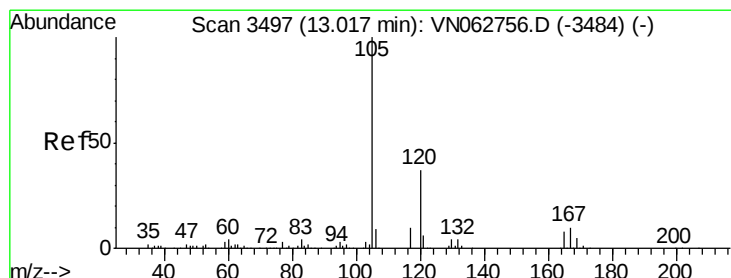
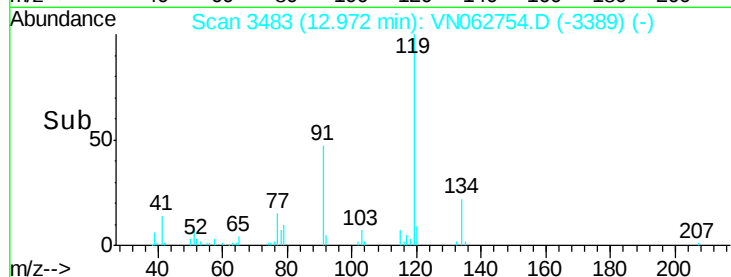
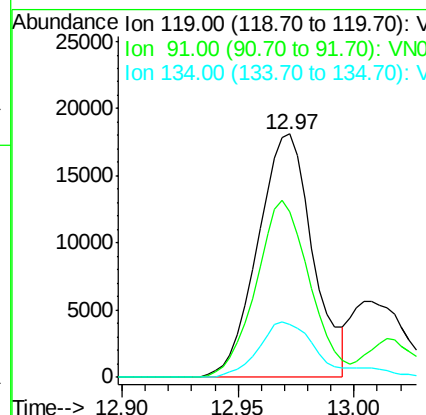
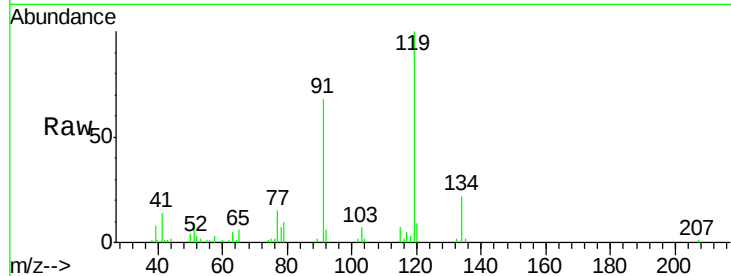
#83
tert-Butylbenzene
Concen: 5.559 ug/l
RT: 12.97 min Scan# 3483
Delta R.T. 0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.9	36.5	109.5
134	25.7	11.3	33.8

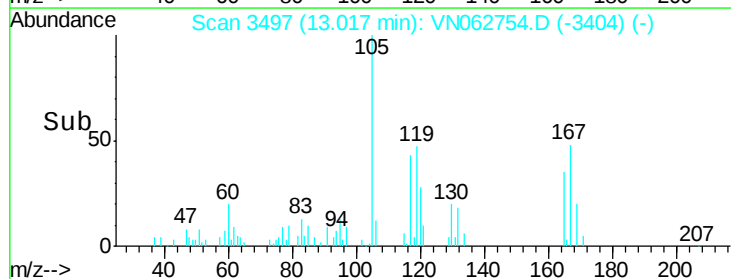
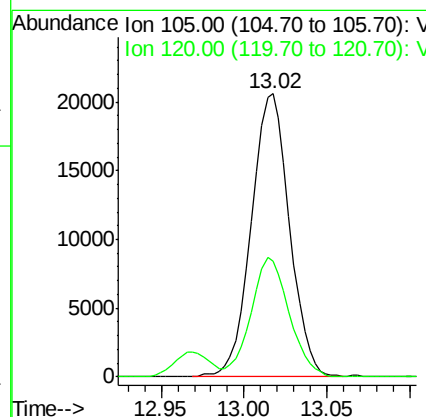
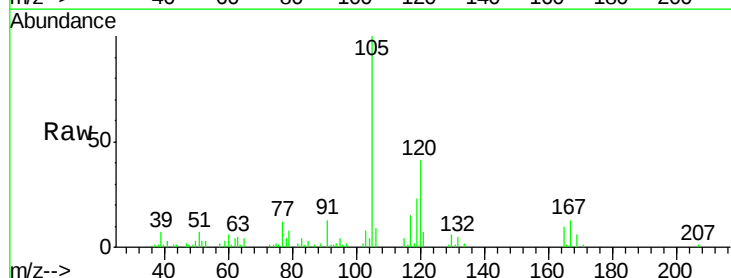
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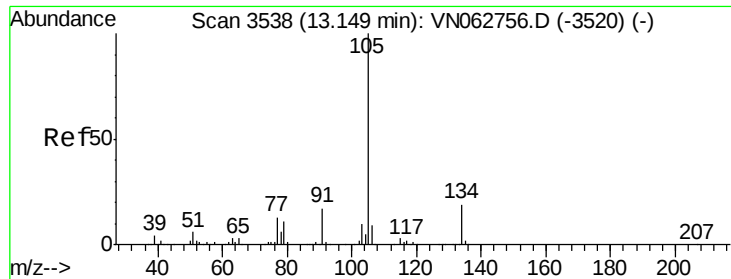
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#84
1,2,4-Trimethylbenzene
Concen: 5.168 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.1	21.4	64.2





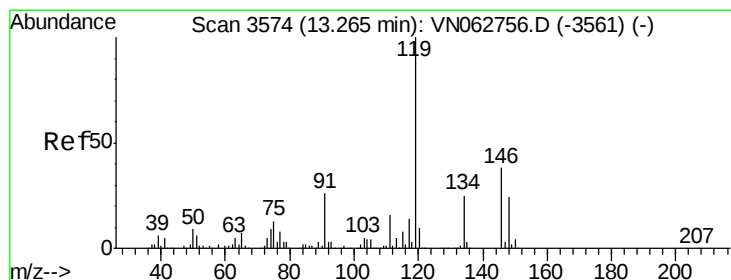
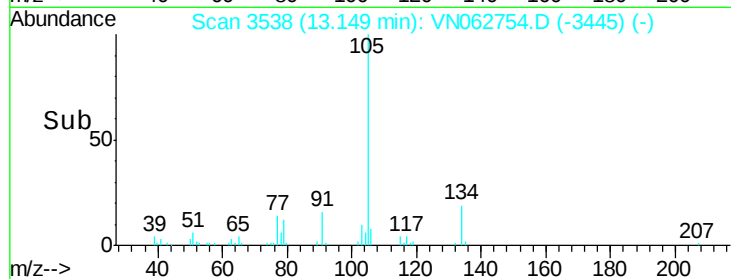
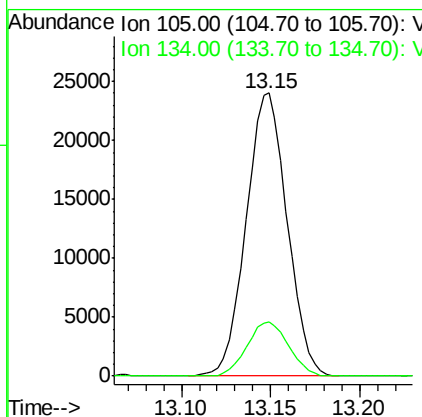
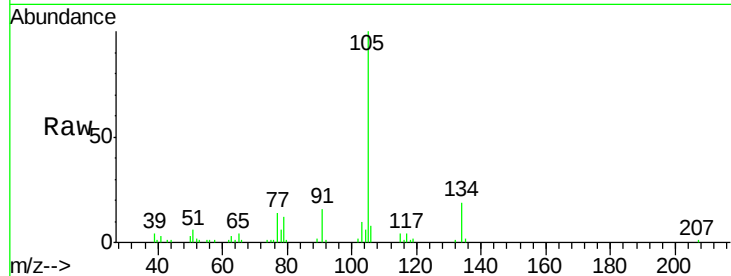
#85
 sec-Butylbenzene
 Concen: 5.343 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. -0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.6	28.6

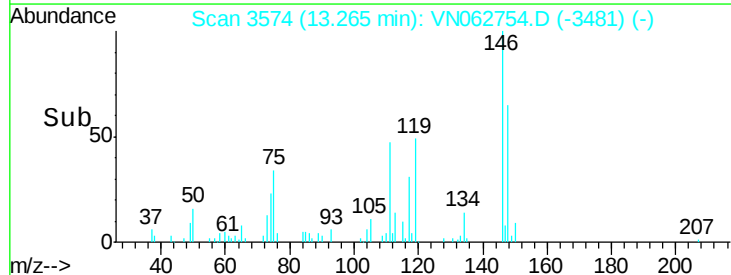
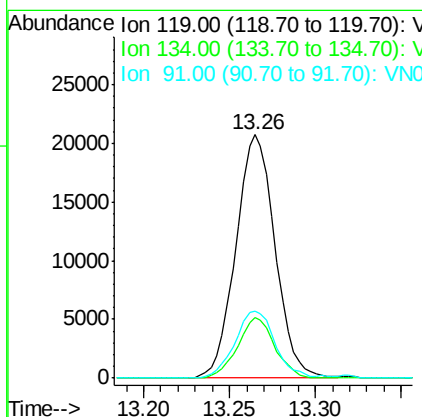
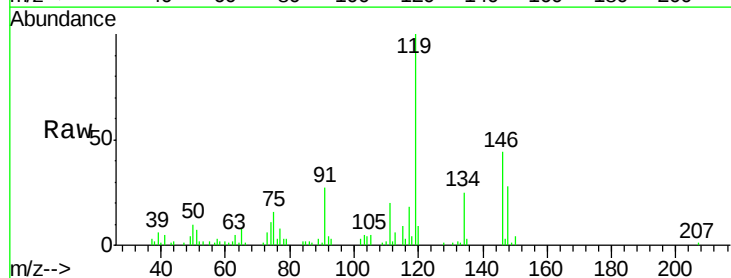
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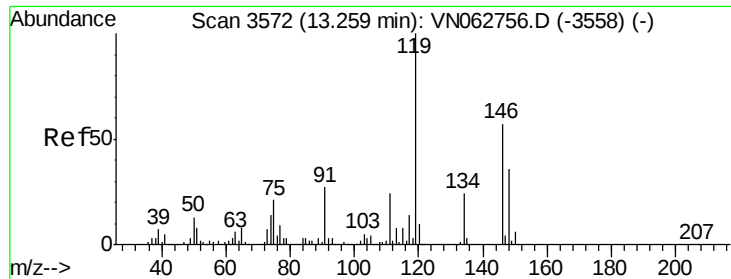
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#86
 p-Isopropyltoluene
 Concen: 5.251 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.4	12.6	37.8
91	28.1	13.4	40.2





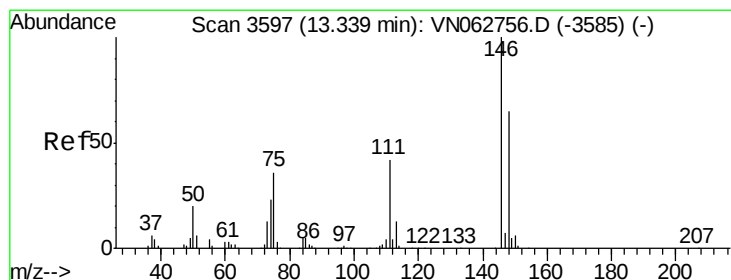
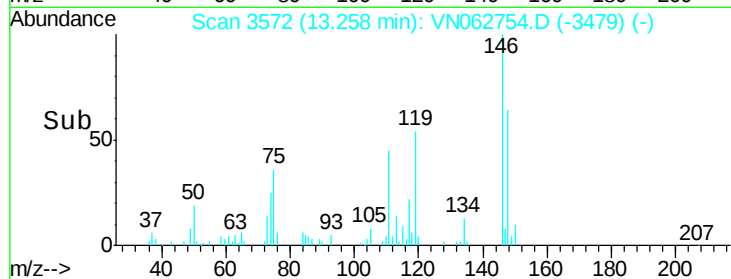
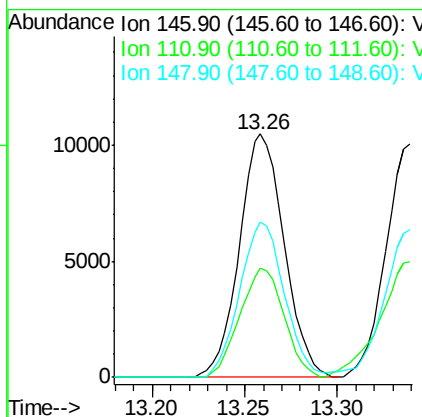
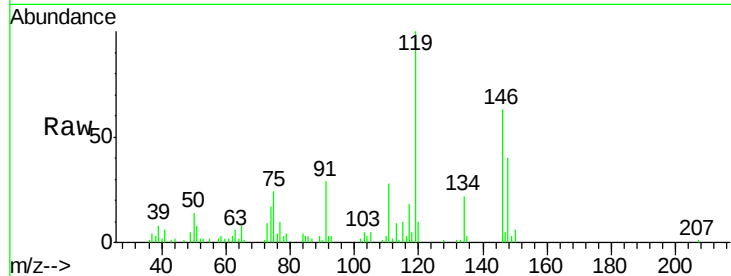
#87
 1,3-Dichlorobenzene
 Concen: 5.283 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.7	65.1
148	63.6	31.4	94.2

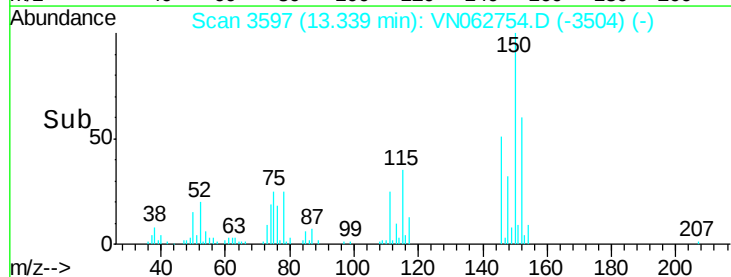
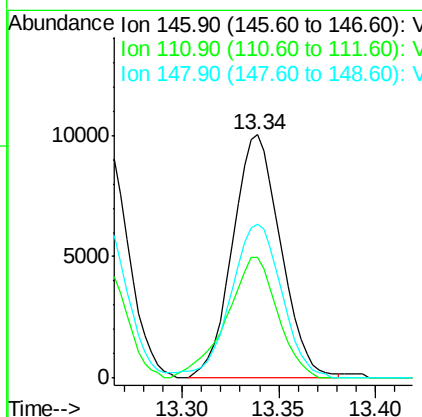
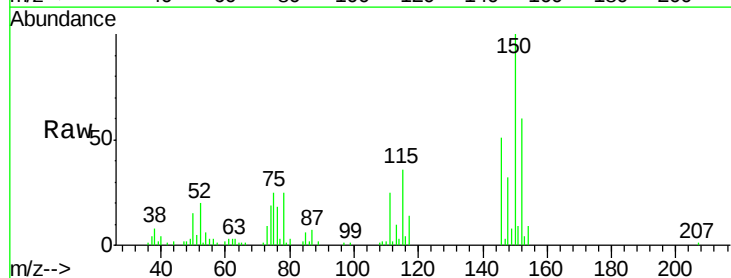
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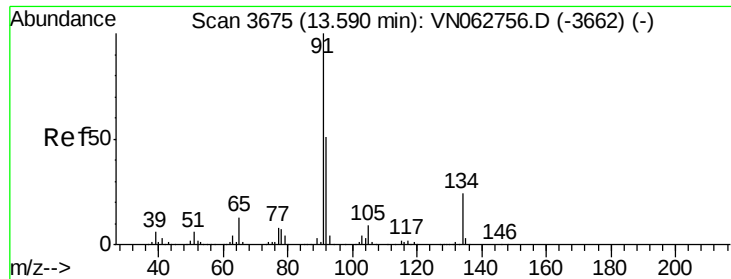
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#88
 1,4-Dichlorobenzene
 Concen: 5.332 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.6	21.6	64.6
148	67.2	32.6	97.8





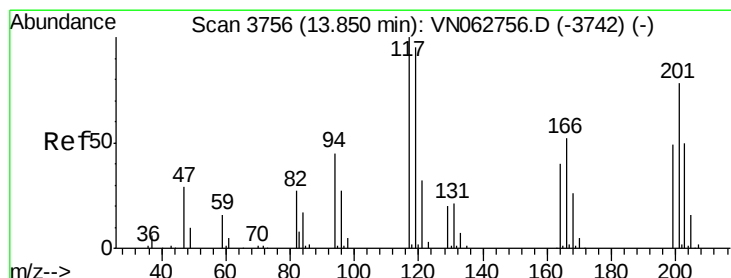
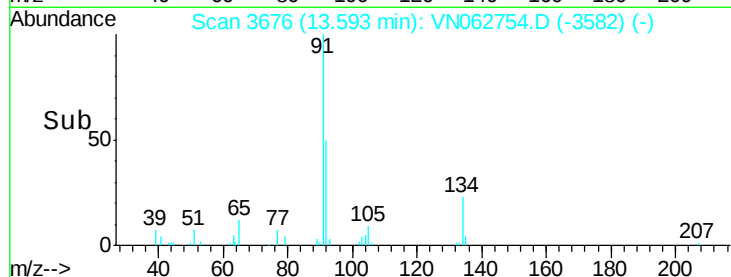
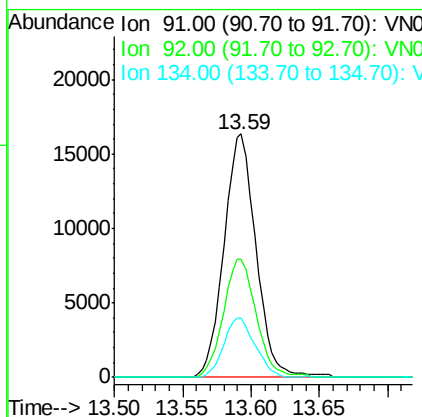
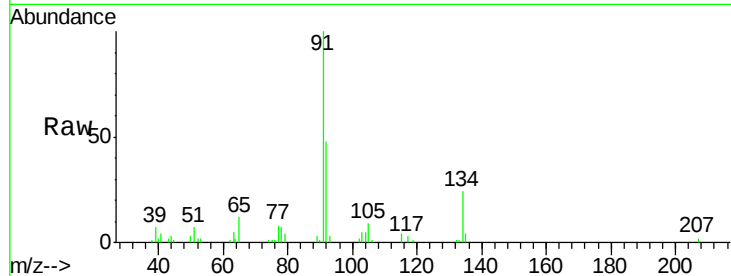
#89
n-Butylbenzene
Concen: 5.001 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.8	25.7	77.0
134	23.6	12.2	36.6

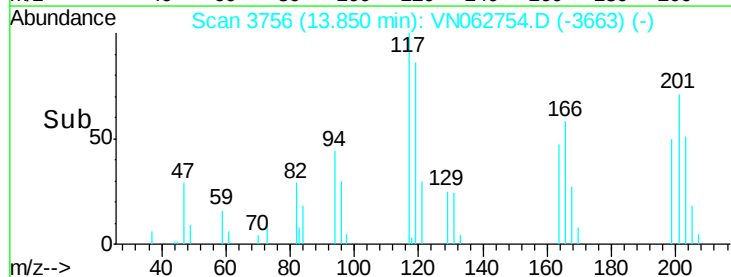
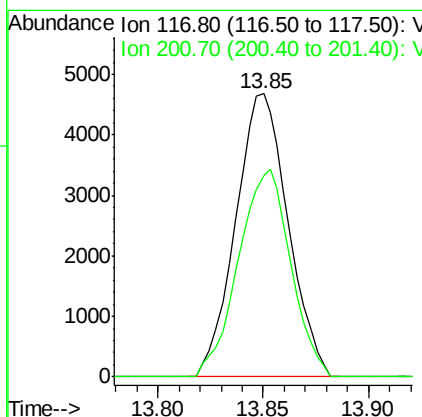
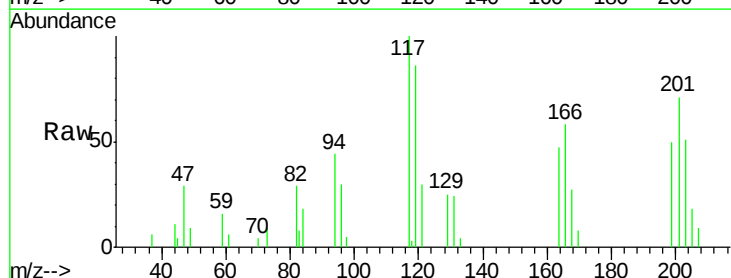
Manual Integrations
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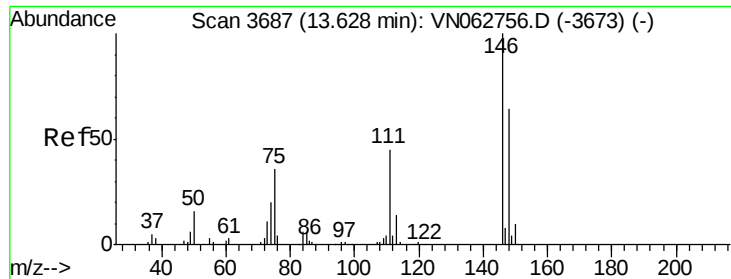
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#90
Hexachloroethane
Concen: 6.064 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062754.D
Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.0	39.2	117.6





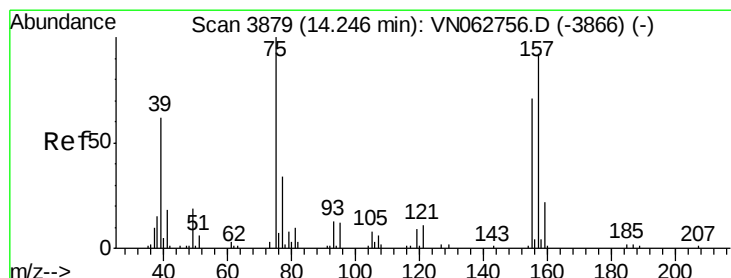
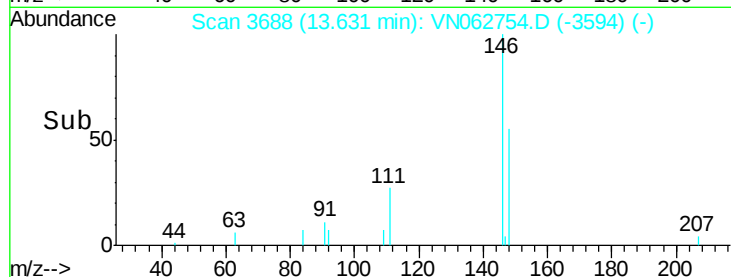
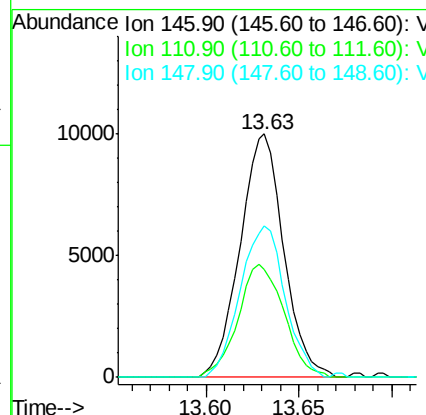
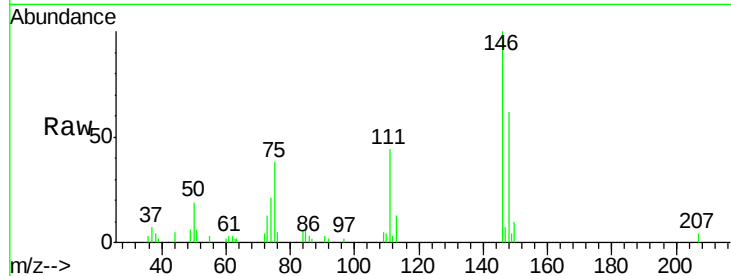
#91
 1,2-Dichlorobenzene
 Concen: 5.200 ug/l
 RT: 13.63 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	22.8	68.4
148	64.0	31.9	95.5

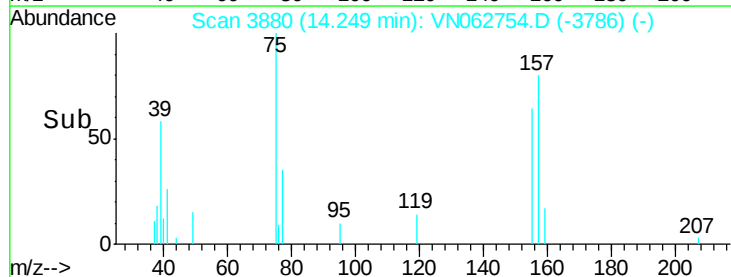
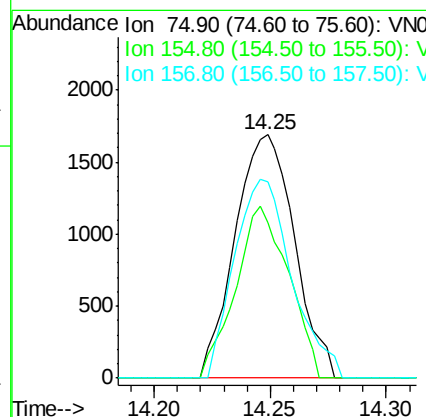
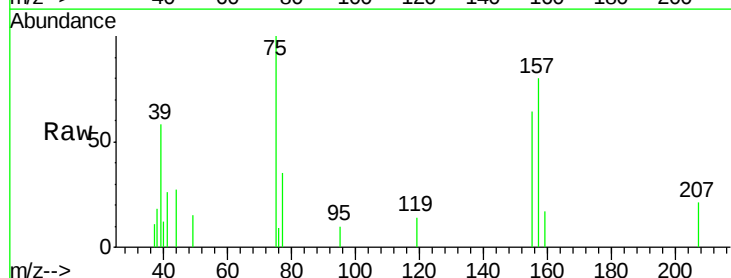
Manual Integrations
 APPROVED

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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.901 ug/l
 RT: 14.25 min Scan# 3880
 Delta R.T. 0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.0	35.0	105.1
157	79.3	43.2	129.6





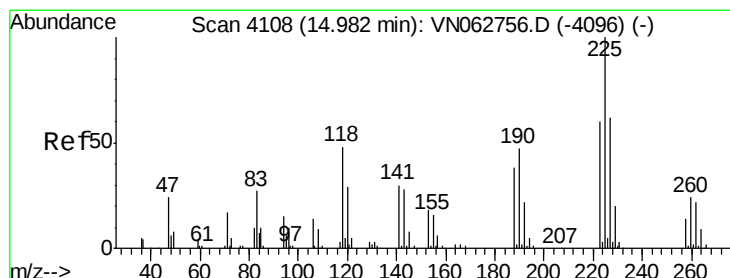
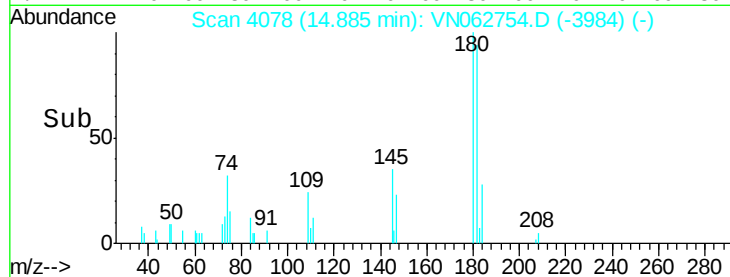
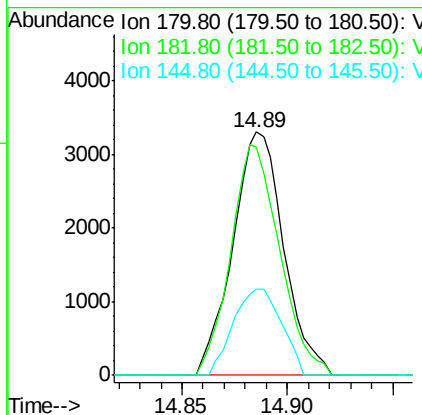
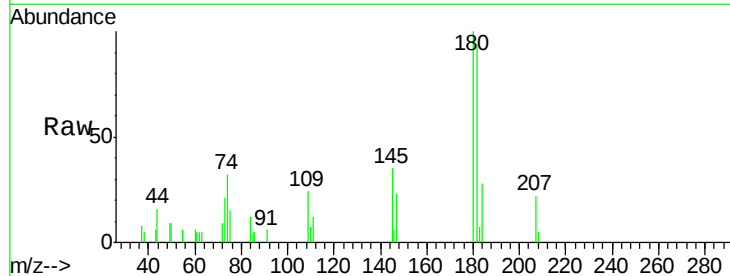
#93
 1,2,4-Trichlorobenzene
 Concen: 3.800 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	5553		
182	90.7		49.1	147.4
145	33.4		16.3	48.8

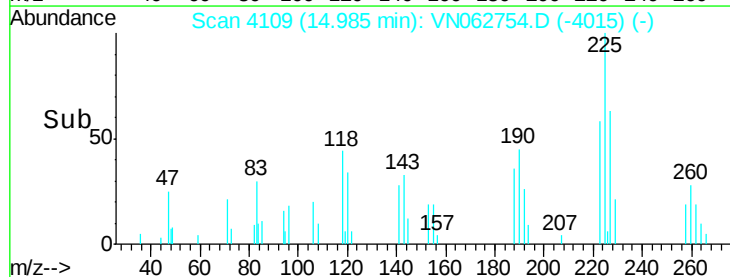
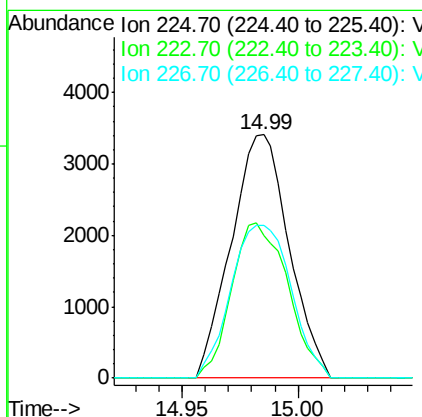
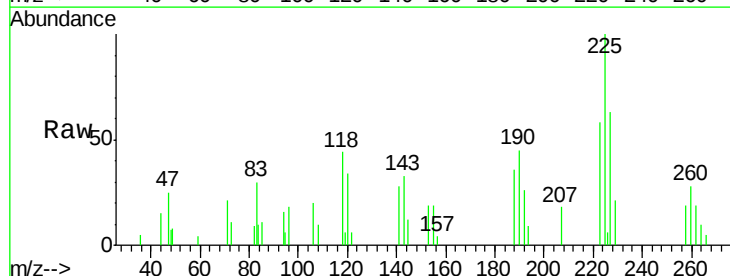
Manual Integrations
 APPROVED

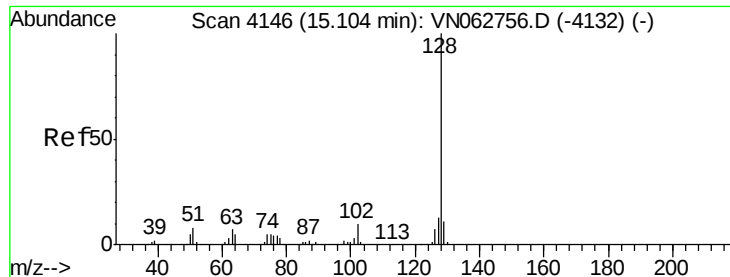
MMDadoda
 8/6/2020 1:51:41 PM



#94
 Hexachlorobutadiene
 Concen: 6.123 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062754.D
 Acq: 5 Aug 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	5895		
223	61.9		30.6	92.0
227	65.5		31.6	95.0





#95

Naphthalene

Concen: 3.243 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Instrument :

MSVOA_N

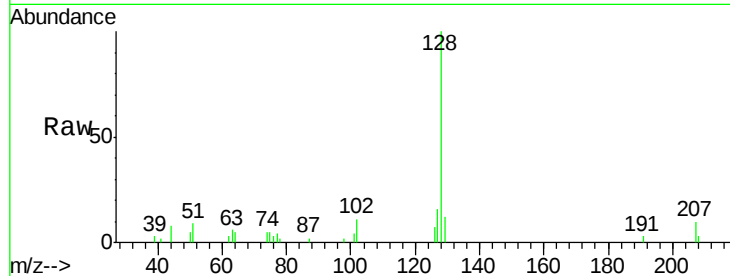
ClientSampleId :

VSTDIC005

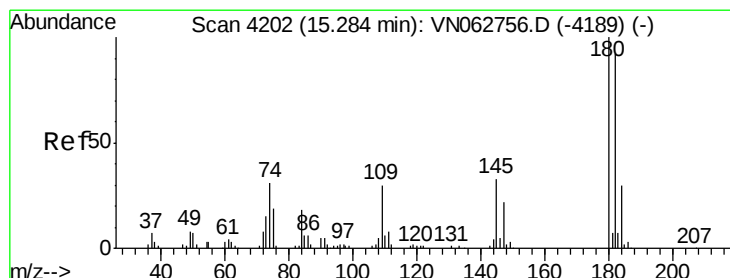
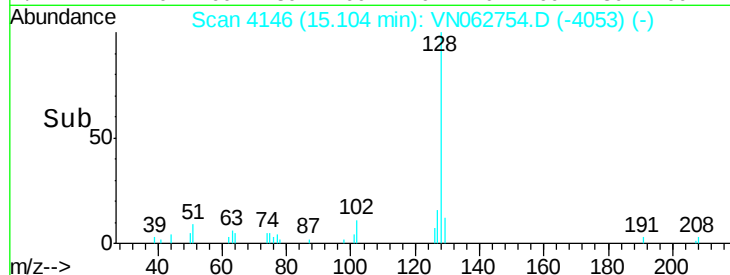
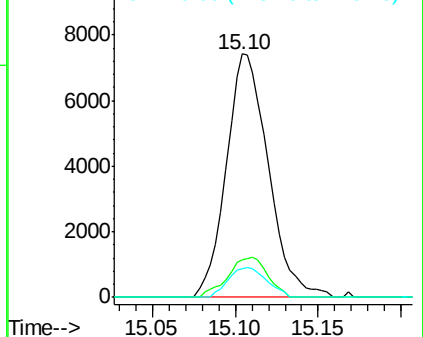
Tot Ion:	128	Resp:	13072
Ion	Ratio	Lower	Upper
128	100		
127	15.5	10.8	16.2
129	11.2	8.8	13.2

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.841 ug/l

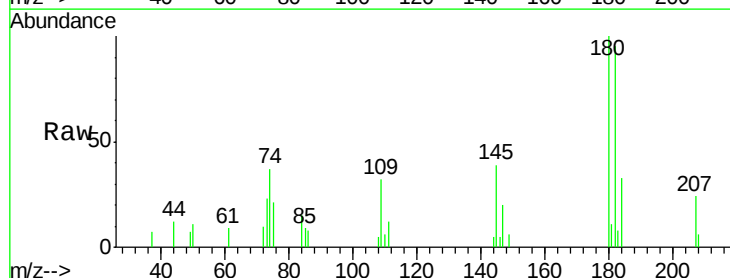
RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN062754.D

Acq: 5 Aug 2020 11:26

Tgt Ion:	180	Resp:	5722
Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.6
145	36.6	17.3	51.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

