

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062516.D
 Acq On : 13 Jul 2020 15:10
 Operator : JC/MD
 Sample : VN0713WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:55 AM

Quant Time: Jul 14 01:18:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	40692	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	224159	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	205844	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	102441	29.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.70%
60) 4-Bromofluorobenzene	12.37	95	104569	29.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.50%
63) Toluene-d8	10.06	98	293463	30.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	46282	19.270	ug/l 98
3) Chloromethane	2.04	50	67143	19.361	ug/l 98
4) Vinyl Chloride	2.16	62	58849	19.412	ug/l 98
5) Bromomethane	2.54	94	26190	17.414	ug/l 92
6) Chloroethane	2.67	64	26578	17.809	ug/l 99
7) Trichlorofluoromethane	2.99	101	68821	19.370	ug/l 99
8) Diethyl Ether	3.38	74	32447	18.997	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	44170	19.230	ug/l 99
10) 1,1-Dichloroethene	3.70	96	44787	19.113	ug/l 96
11) Methyl Iodide	3.91	142	54409	18.961	ug/l 97
12) Methyl Acetate	4.28	43	60091	19.121	ug/l 99
13) Acrolein	3.57	56	45803	97.549	ug/l 100
14) Acrylonitrile	4.93	53	138867	95.011	ug/l 98
15) Acetone	3.78	58	37598	83.798	ug/l 97
16) Carbon Disulfide	4.01	76	142884	18.711	ug/l 99
17) Allyl chloride	4.28	41	96857	19.436	ug/l 97
18) Methylene Chloride	4.50	84	55339	19.193	ug/l 98
19) trans-1,2-Dichloroethene	4.99	96	48822	18.825	ug/l 96
20) Diisopropyl ether	5.91	45	197626	19.290	ug/l 98
21) 1,1-Dichloroethane	5.80	63	103903	19.184	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	55709	19.047	ug/l 100
23) tert-Butyl Alcohol	4.73	59	46346	94.751	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	163750	18.955	ug/l 100
25) Chloroform	7.33	83	96851	19.499	ug/l 97
26) Cyclohexane	7.61	56	92848	19.449	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	73921	19.441	ug/l 99
30) 2-Butanone	6.79	43	187374	92.921	ug/l 97
31) 2,2-Dichloropropane	6.78	77	81022	18.898	ug/l # 71
32) 1,1,1-Trichloroethane	7.53	97	78262	19.151	ug/l 100
33) Carbon Tetrachloride	7.73	117	68460	19.325	ug/l 98
34) Benzene	8.00	78	220677	19.536	ug/l 98
35) Methacrylonitrile	7.13	41	37536	21.191	ug/l 97
36) 1,2-Dichloroethane	8.09	62	80811	19.904	ug/l 100
37) Trichloroethene	8.80	130	50072	19.734	ug/l 99
38) Methylcyclohexane	9.05	83	79601	18.662	ug/l 99
39) 1,2-Dichloropropane	9.09	63	64358	19.998	ug/l 97
40) Dibromomethane	9.18	93	36269	19.555	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	75373	19.160	ug/l	99
42) Vinyl Acetate	5.84	43	826057	98.581	ug/l	100
43) Ethyl Acetate	6.88	43	81178	20.024	ug/l	97
44) Isopropyl Acetate	8.13	43	130461	19.180	ug/l	96
45) 1,4-Dioxane	9.17	88	18532	398.283	ug/l	97
46) Methyl methacrylate	9.17	41	60745	18.824	ug/l	99
47) n-amyl Acetate	12.04	43	105156	18.340	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	85872	18.715	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	92459	18.667	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	51181	19.687	ug/l	99
51) Ethyl methacrylate	10.40	69	82546	18.859	ug/l	98
52) 1,3-Dichloropropane	10.68	76	93363	19.568	ug/l	98
53) Dibromochloromethane	10.87	129	54276	19.162	ug/l	100
54) 1,2-Dibromoethane	10.98	107	51058	19.188	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	136455	97.607	ug/l	99
56) Bromoform	12.10	173	36225	18.725	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	394874	98.460	ug/l	99
59) 2-Hexanone	10.72	43	281959	95.862	ug/l	100
61) Tetrachloroethene	10.60	164	41220	19.554	ug/l	96
62) Toluene	10.12	91	227766	19.504	ug/l	100
64) Chlorobenzene	11.41	112	133412	19.442	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	48897	19.251	ug/l	99
66) Ethyl Benzene	11.48	91	248151	19.190	ug/l	97
67) m/p-Xylenes	11.59	106	179639	38.273	ug/l	98
68) o-Xylene	11.92	106	85075	18.887	ug/l	99
69) Styrene	11.94	104	142551	18.646	ug/l	99
70) Isopropylbenzene	12.22	105	229386	18.970	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	77021	19.709	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	67732m	17.818	ug/l	
73) Bromobenzene	12.50	156	53633	19.152	ug/l	98
74) n-propylbenzene	12.57	91	270309	18.806	ug/l	99
75) 2-Chlorotoluene	12.65	91	163588	18.903	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	193251	18.757	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	25369	17.844	ug/l	98
78) 4-Chlorotoluene	12.75	91	165234	18.712	ug/l	100
79) tert-butylbenzene	12.97	119	163166	19.125	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	186464	18.401	ug/l	99
81) sec-Butylbenzene	13.15	105	210947	18.412	ug/l	100
82) p-Isopropyltoluene	13.26	119	183543	18.153	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	90106	18.528	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	88613	18.465	ug/l	96
85) n-Butylbenzene	13.59	91	146074	16.842	ug/l	100
86) Hexachloroethane	13.85	117	36069	18.487	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	87704	18.754	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	13788	18.682	ug/l	99
89) 1,2,4-Trichlorobenzene	14.88	180	40164	17.251	ug/l	96
90) Hexachlorobutadiene	14.98	225	24501	18.974	ug/l	96
91) Naphthalene	15.10	128	106962	16.945	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	41478	17.677	ug/l	98

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ClientSampleId :
VN0713WBS01

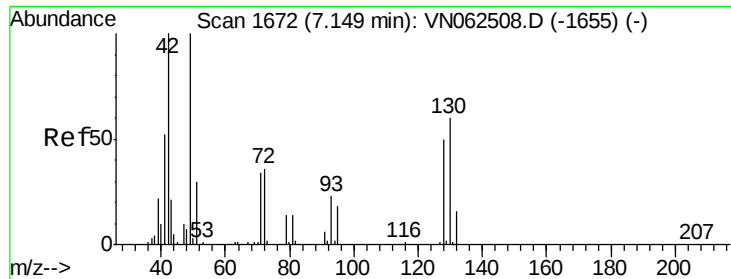
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

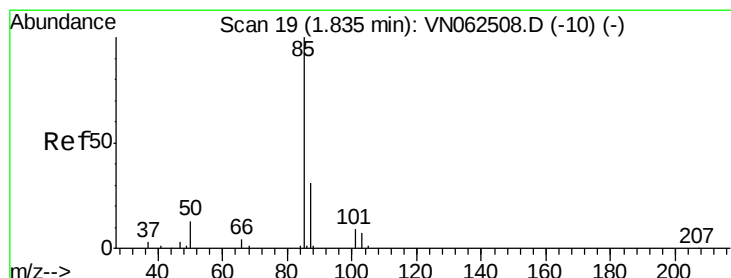
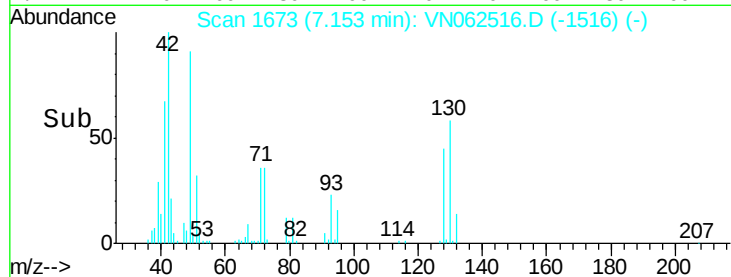
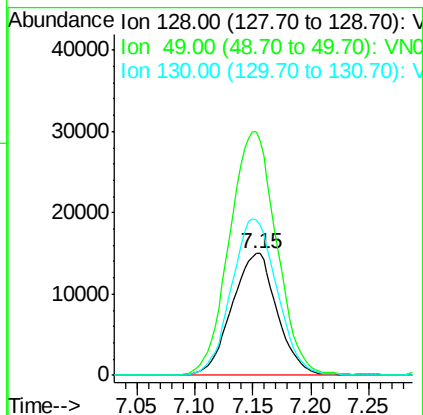
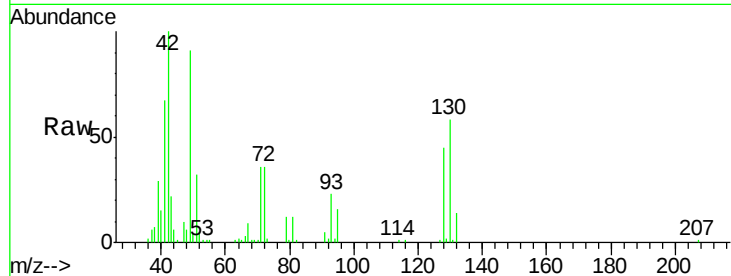
ClientSampleId :

VN0713WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	207.7	0.0	525.0
130	129.1	0.0	319.8

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#2

Dichlorodifluoromethane

Concen: 19.270 ug/l

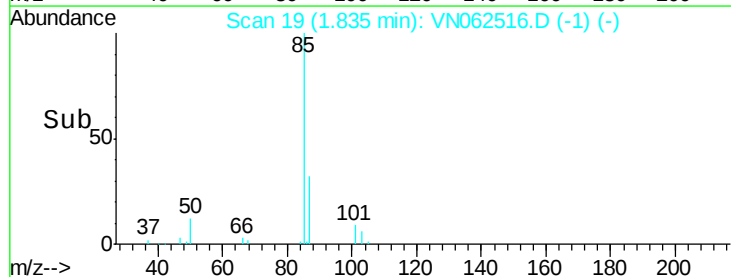
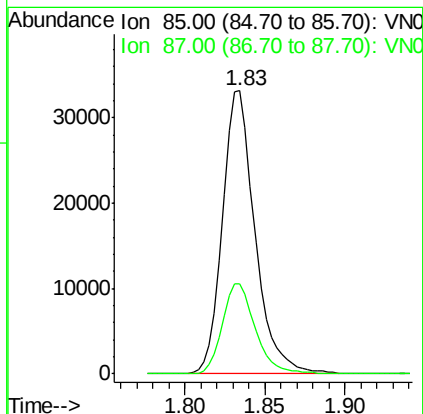
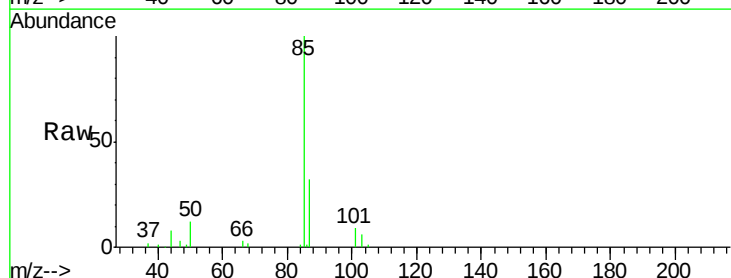
RT: 1.83 min Scan# 19

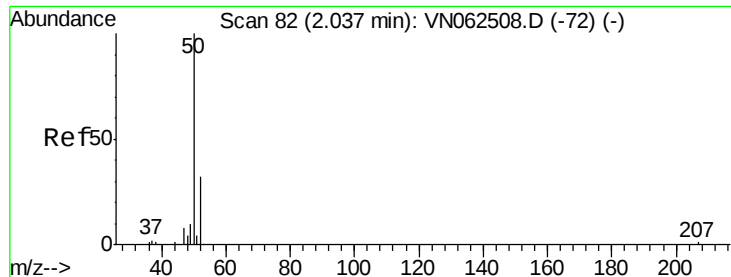
Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.6	46.7





#3

Chloromethane

Concen: 19.361 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion: 50 Resp: 67143

Ion Ratio Lower Upper

50 100

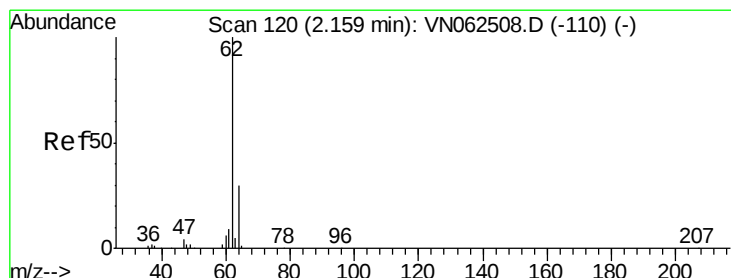
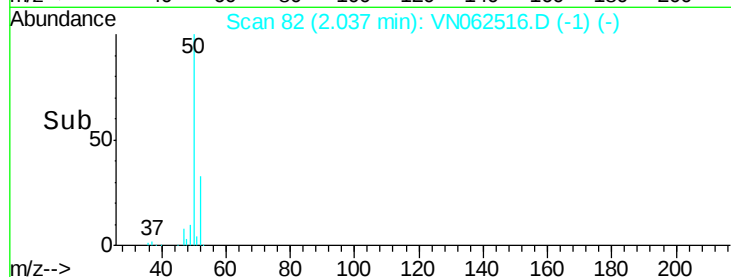
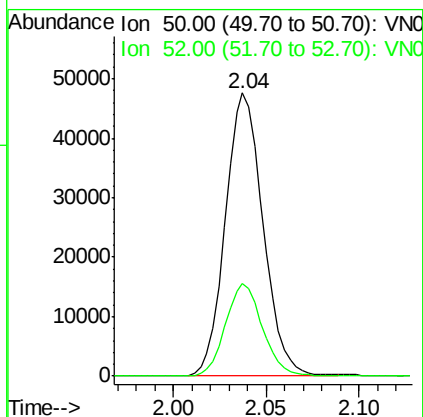
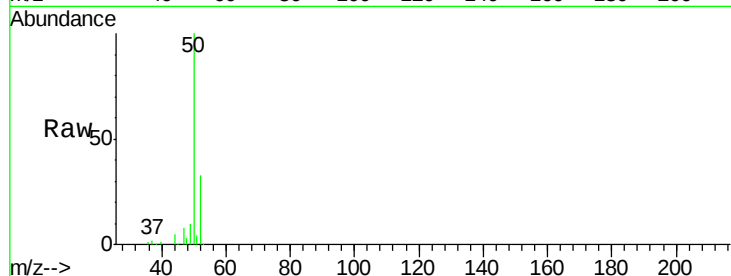
52 32.7 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.412 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062516.D

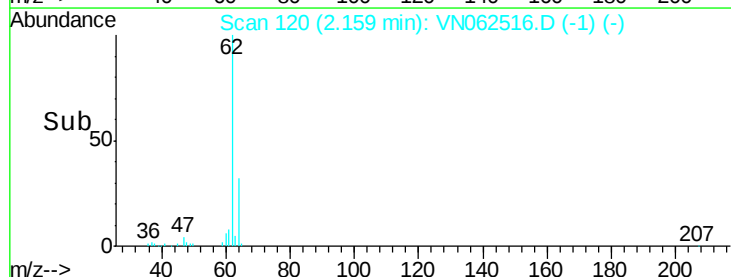
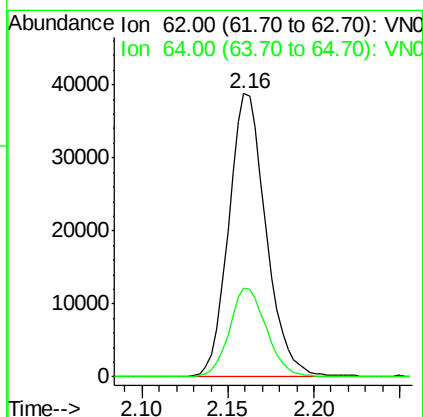
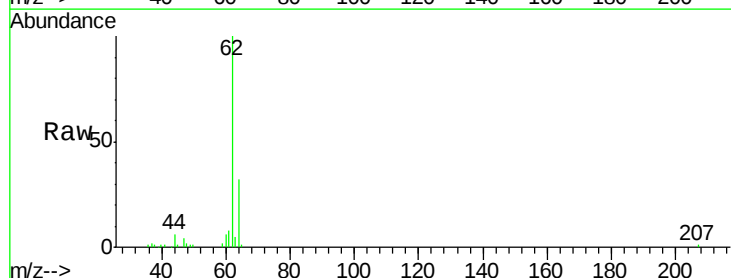
Acq: 13 Jul 2020 15:10

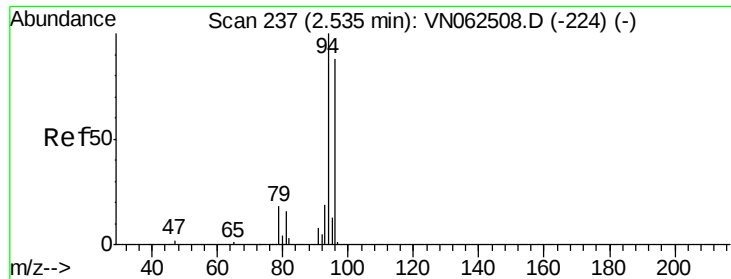
Tgt Ion: 62 Resp: 58849

Ion Ratio Lower Upper

62 100

64 31.5 24.3 36.5





#5

Bromomethane

Concen: 17.414 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion: 94 Resp: 26190

Ion Ratio Lower Upper

94 100

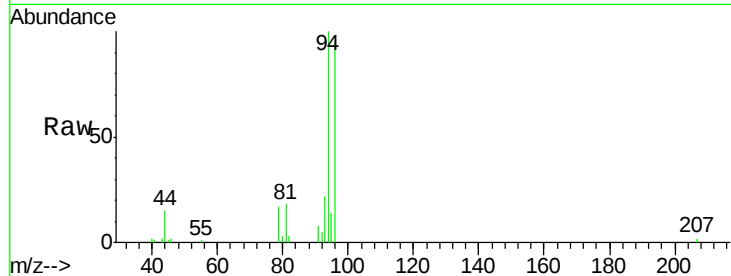
96 95.2 70.2 105.4

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

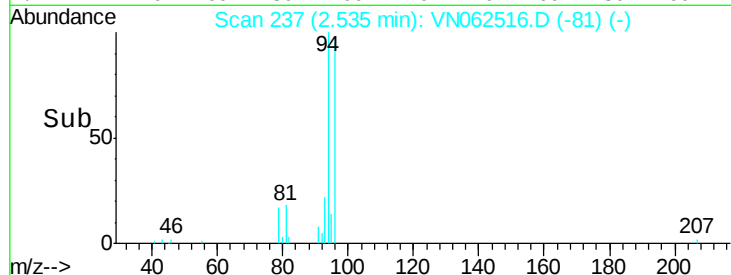
15000

10000

5000

0

Time-->

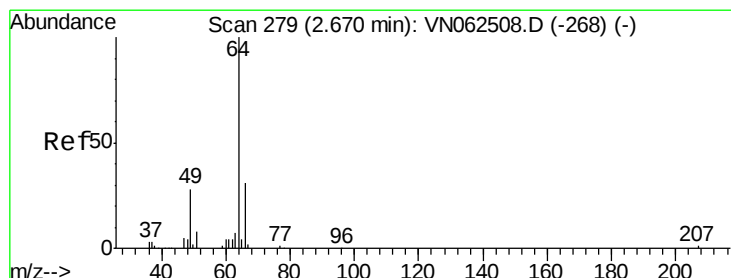


2.54

2.50

2.55

2.60



#6

Chloroethane

Concen: 17.809 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN062516.D

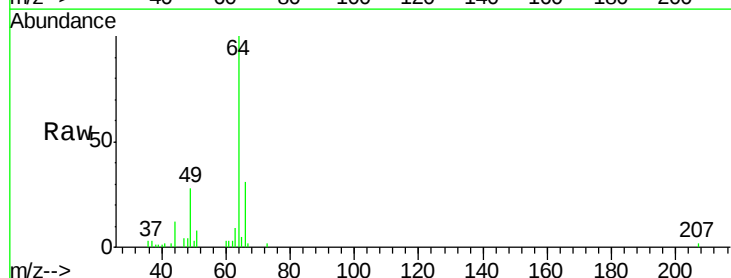
Acq: 13 Jul 2020 15:10

Tgt Ion: 64 Resp: 26578

Ion Ratio Lower Upper

64 100

66 30.5 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

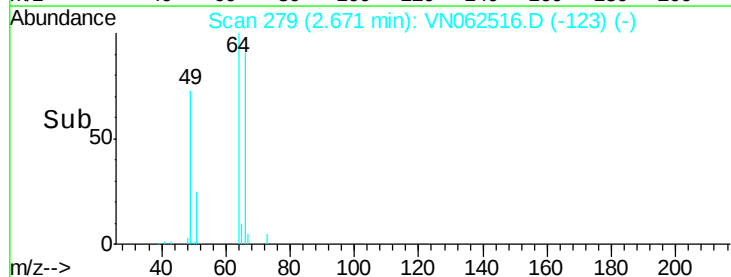
15000

10000

5000

0

Time-->



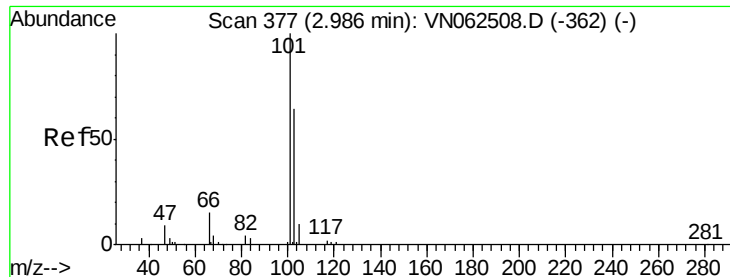
2.67

2.60

2.65

2.70

2.75



#7

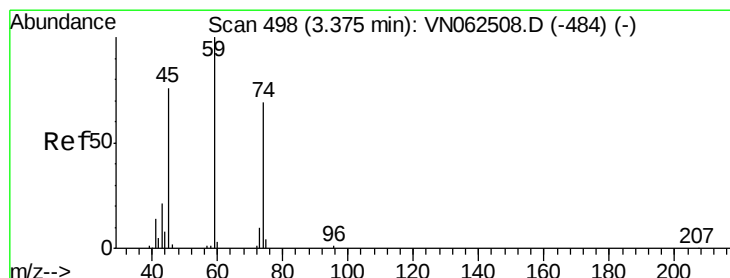
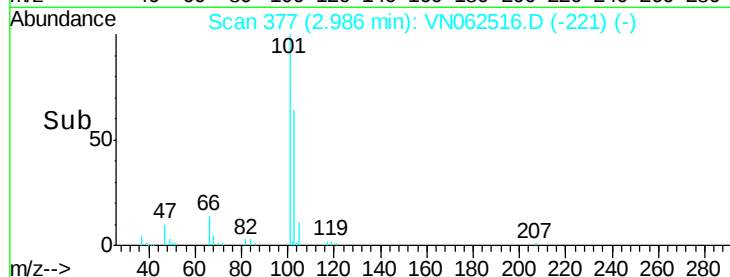
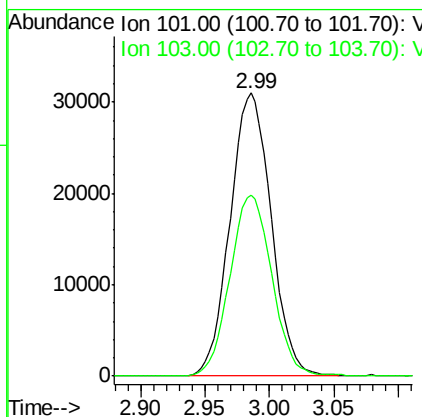
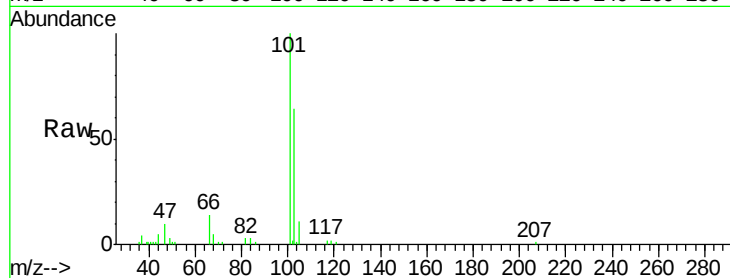
Trichlorofluoromethane
 Concen: 19.370 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		68821		
103	64.1	50.9	76.3		

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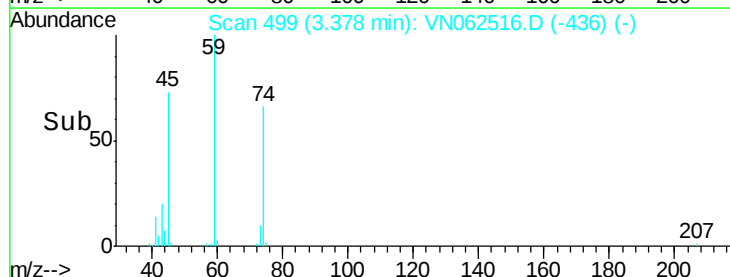
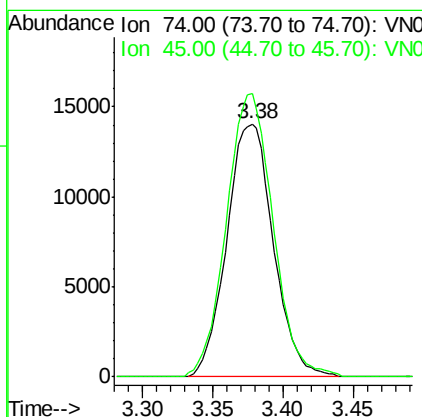
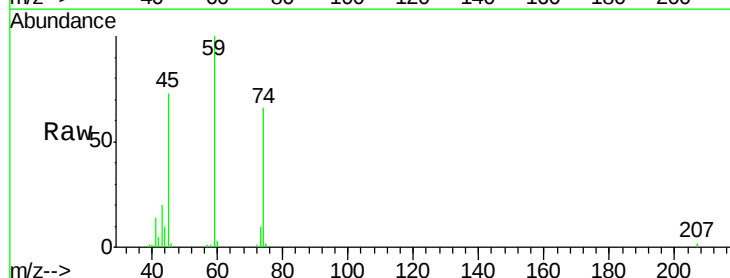
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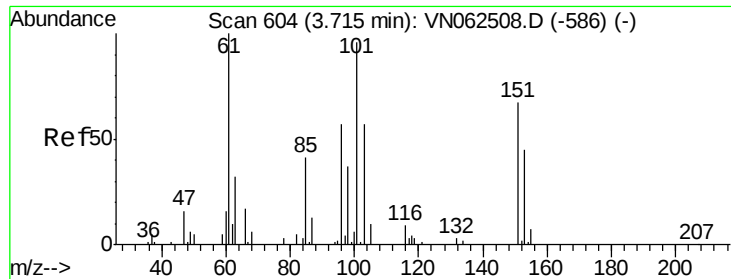


#8

Diethyl Ether
 Concen: 18.997 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		32447		
45	112.3	21.8	196.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.230 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.01 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

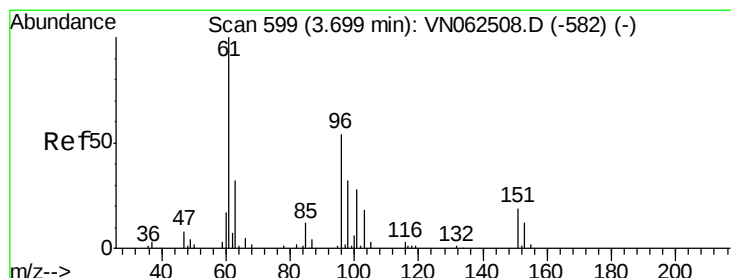
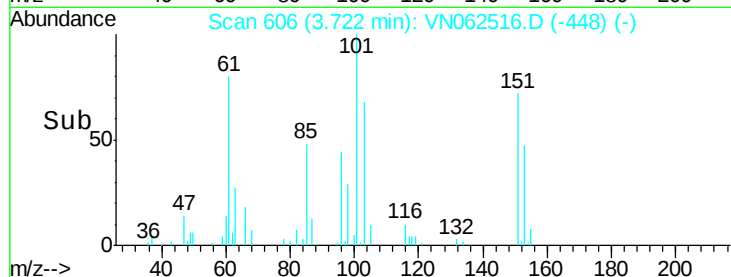
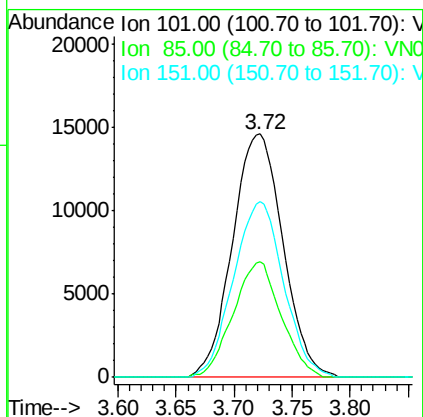
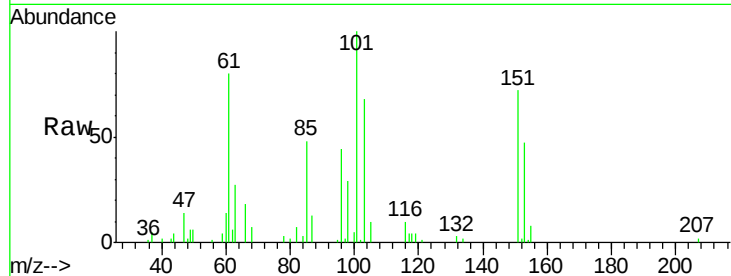
ClientSampleId :

VN0713WBS01

Tot Ion:	101	Resp:	44170
Ion Ratio	Lower	Upper	
101	100		
85	45.2	0.0	90.4
151	71.7	0.0	145.6

Manual Integrations
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7/14/2020 11:36:55 AM



#10

1,1-Dichloroethene

Concen: 19.113 ug/l

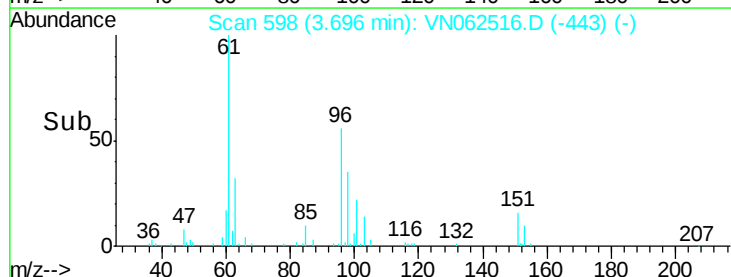
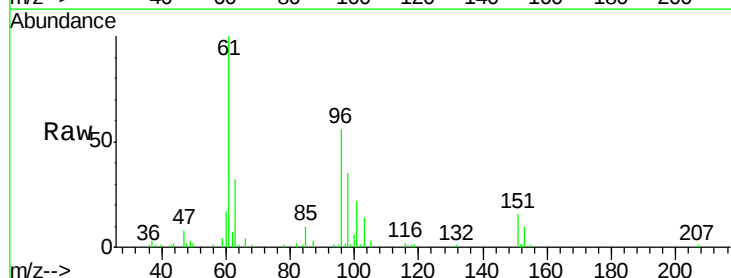
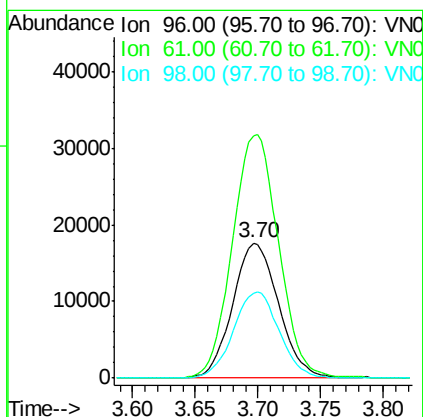
RT: 3.70 min Scan# 598

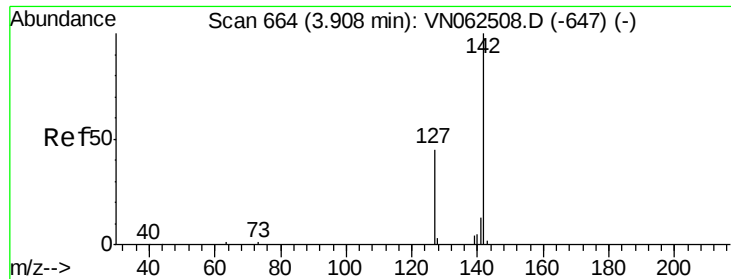
Delta R.T. -0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Tgt Ion:	96	Resp:	44787
Ion Ratio	Lower	Upper	
96	100		
61	178.6	147.8	221.8
98	62.6	47.8	71.8





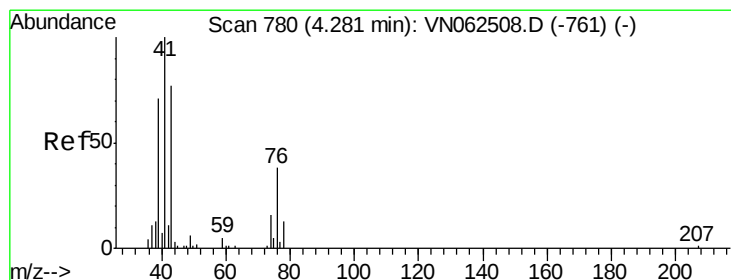
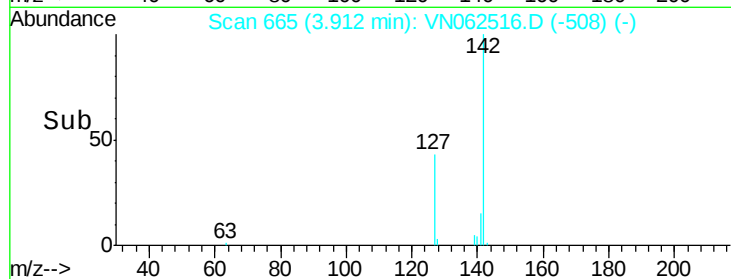
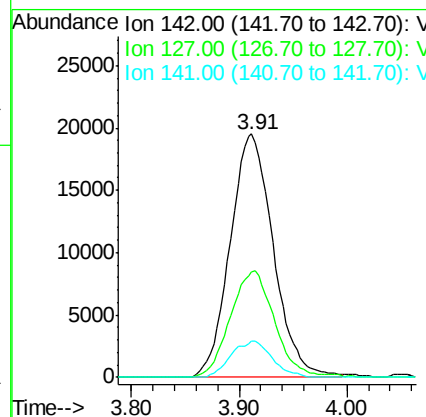
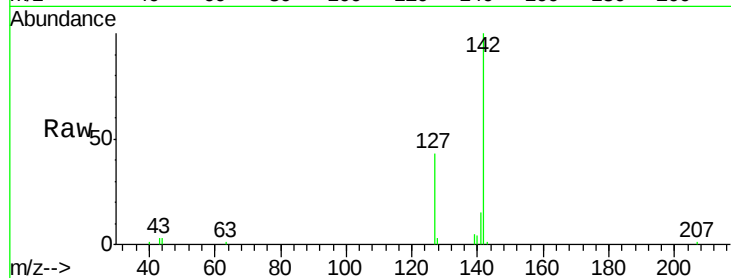
#11
Methyl Iodide
Concen: 18.961 ug/l
RT: 3.91 min Scan# 665
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.1	22.1	66.5
141	15.1	6.5	19.4

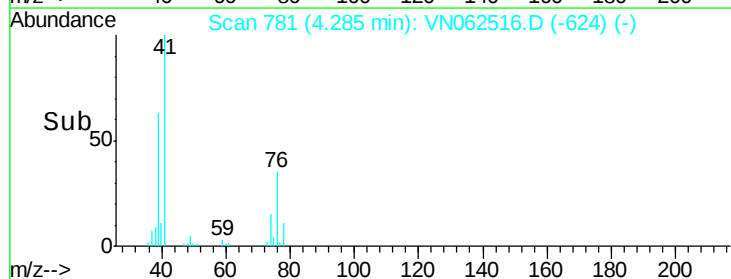
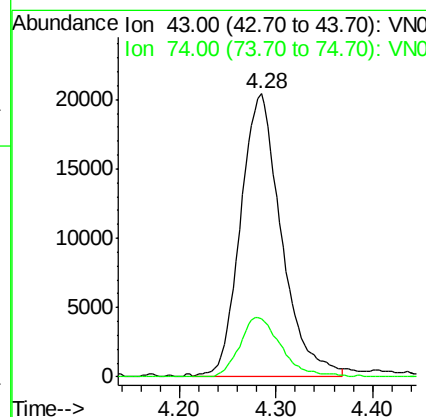
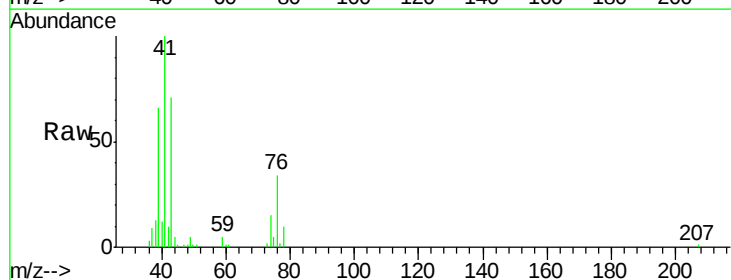
Manual Integrations
APPROVED

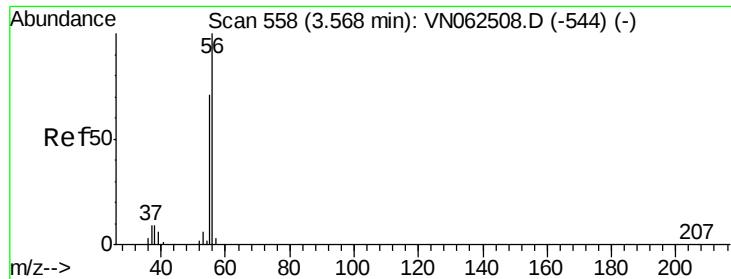
MMDadoda
7/14/2020 11:36:55 AM



#12
Methyl Acetate
Concen: 19.121 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.7	25.1





#13

Acrolein

Concen: 97.549 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion: 56 Resp: 45803

Ion Ratio Lower Upper

56 100

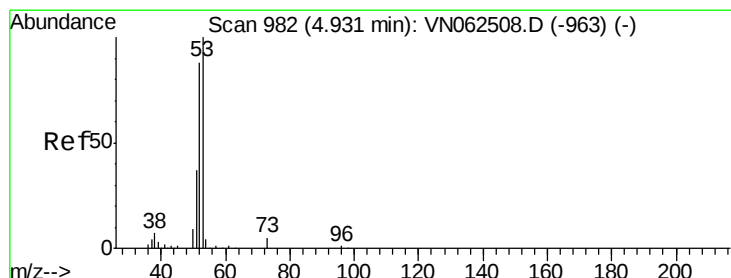
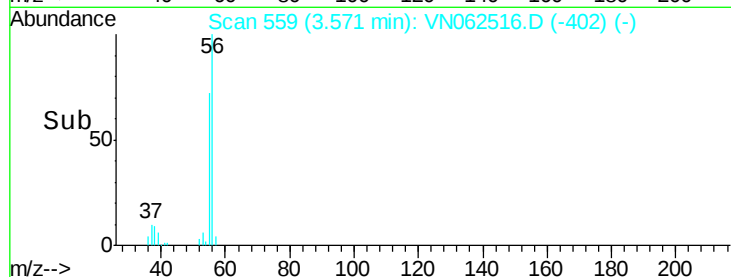
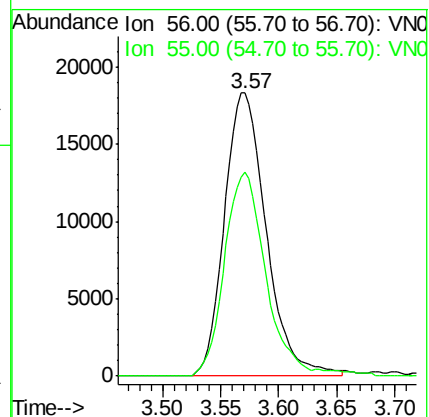
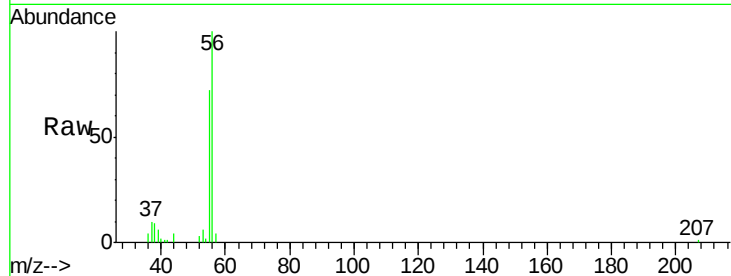
55 70.0 56.0 84.0

Manual Integrations

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#14

Acrylonitrile

Concen: 95.011 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

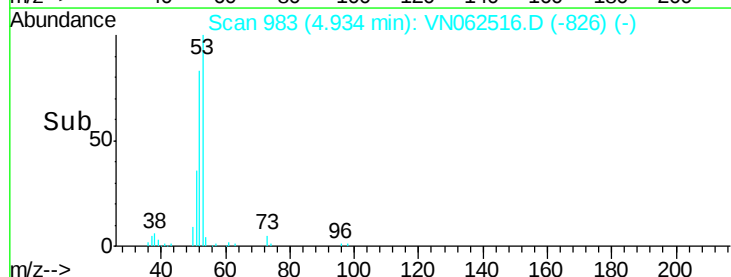
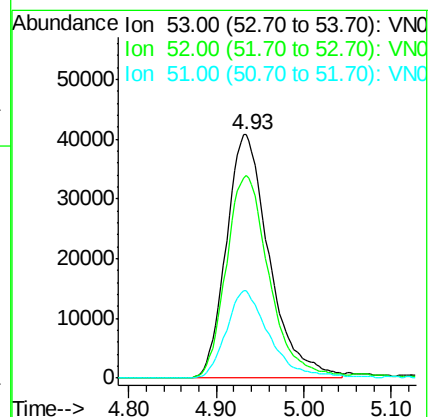
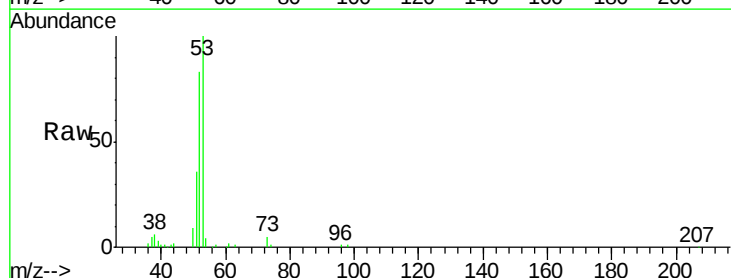
Tgt Ion: 53 Resp: 138867

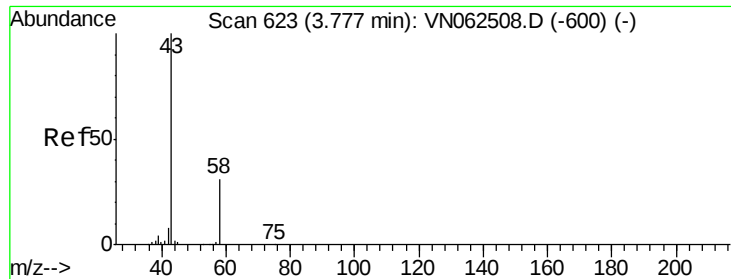
Ion Ratio Lower Upper

53 100

52 82.9 41.8 125.4

51 35.0 18.5 55.5





#15

Acetone

Concen: 83.798 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion: 58 Resp: 37598

Ion Ratio Lower Upper

58 100

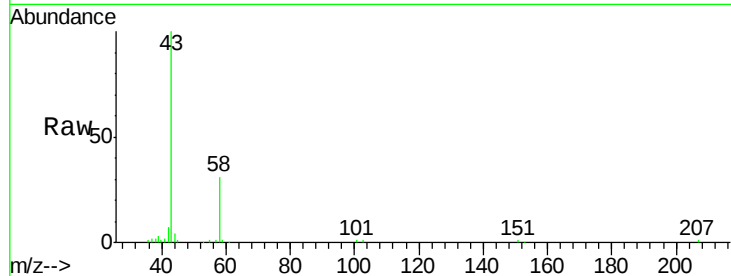
43 320.9 261.1 391.7

Manual Integrations

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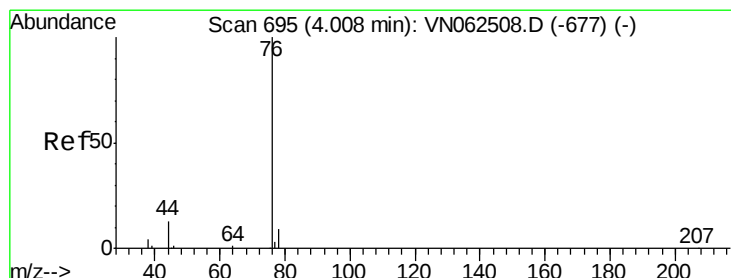
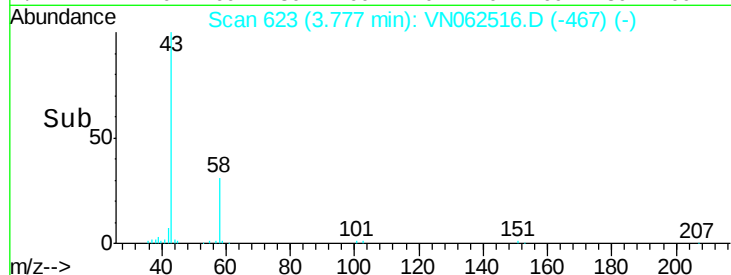
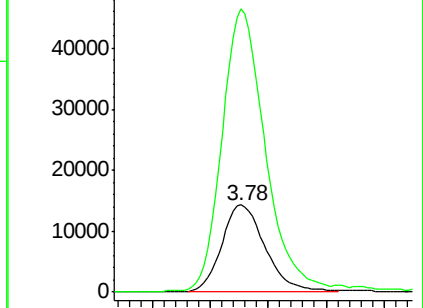
MMDadoda

7/14/2020 11:36:55 AM



Abundance Ion 58.00 (57.70 to 58.70): VN062508.D (-600) (-)

Ion 43.00 (42.70 to 43.70): VN062508.D (-600) (-)



#16

Carbon Disulfide

Concen: 18.711 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062516.D

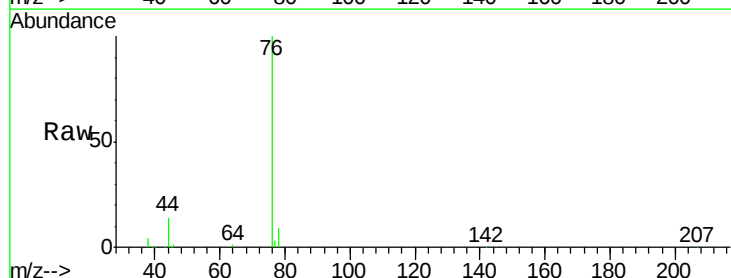
Acq: 13 Jul 2020 15:10

Tgt Ion: 76 Resp: 142884

Ion Ratio Lower Upper

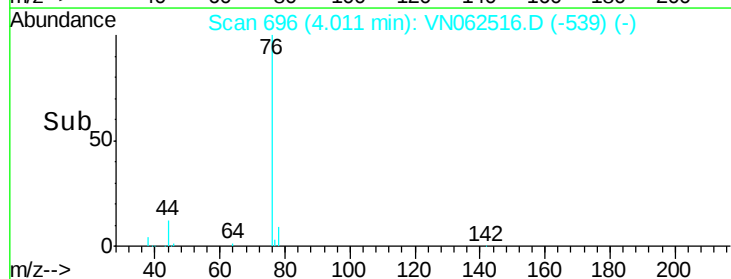
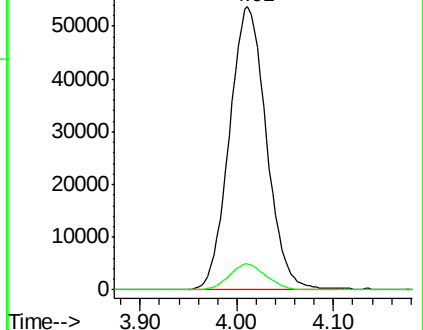
76 100

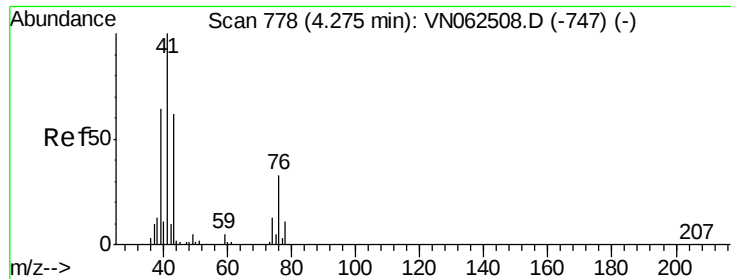
78 9.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN062508.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN062508.D (-677) (-)





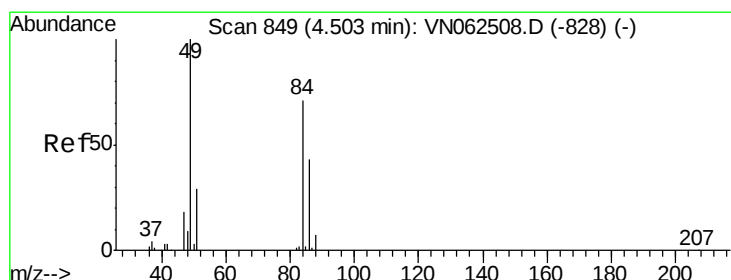
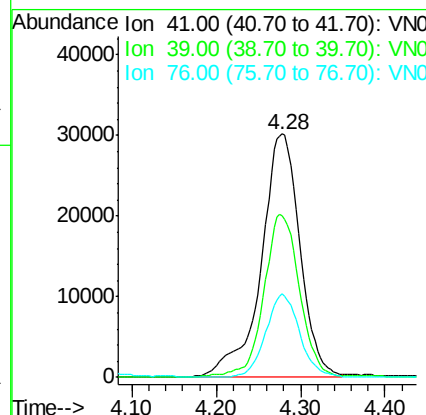
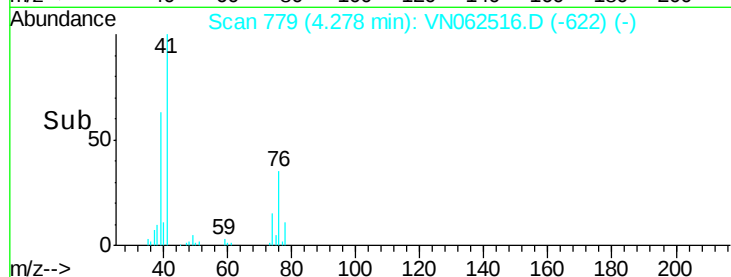
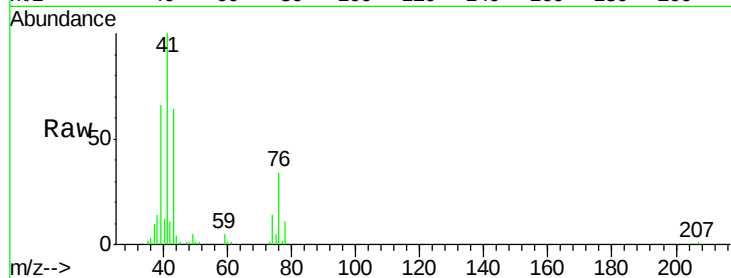
#17
Allvl chloride
Concen: 19.436 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion:	41	Resp:	96857
Ion Ratio	Lower	Upper	
41	100		
39	66.2	31.9	95.5
76	34.1	16.6	49.8

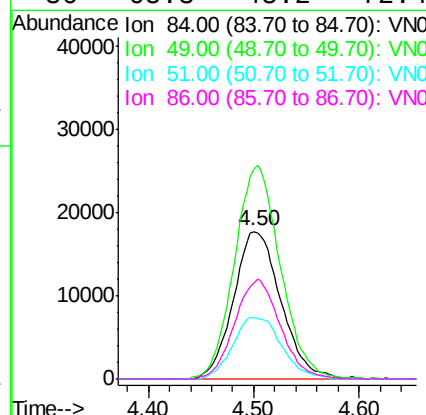
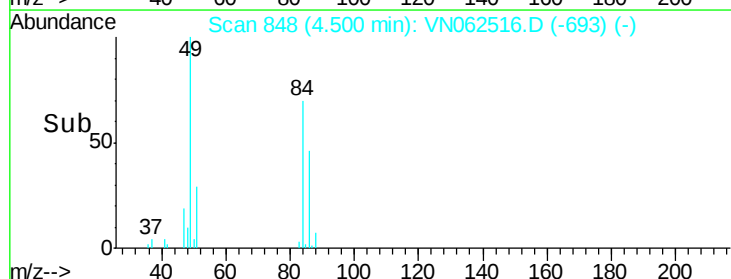
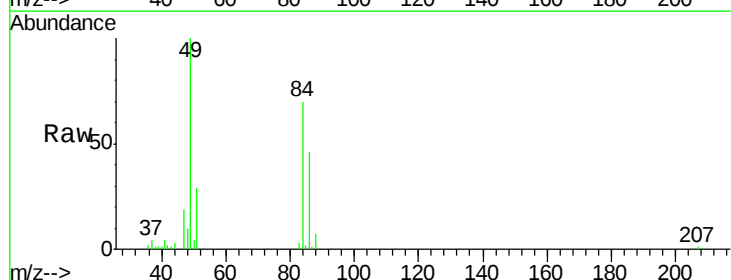
Manual Integrations
APPROVED

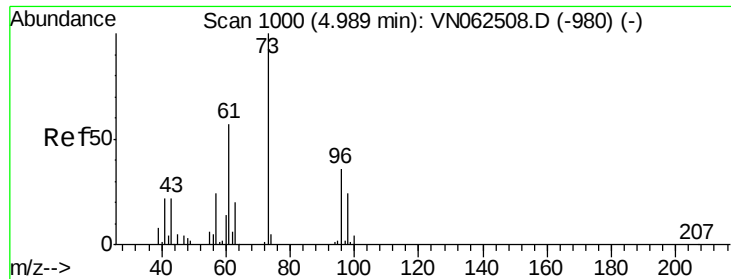
MMDadoda
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#18
Methylene Chloride
Concen: 19.193 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion:	84	Resp:	55339
Ion Ratio	Lower	Upper	
84	100		
49	141.1	112.1	168.1
51	41.5	33.0	49.4
86	65.3	48.2	72.4





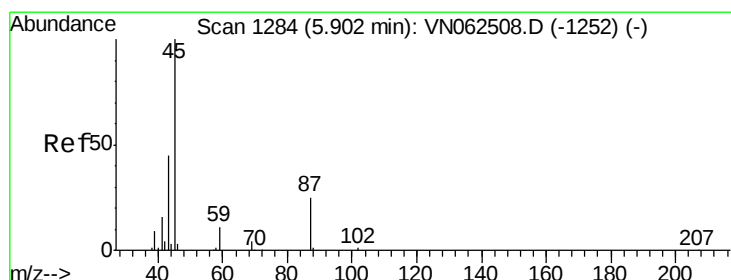
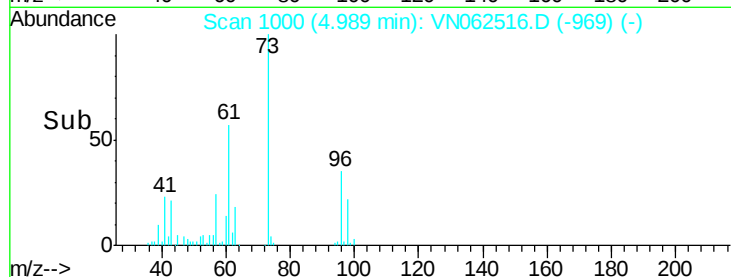
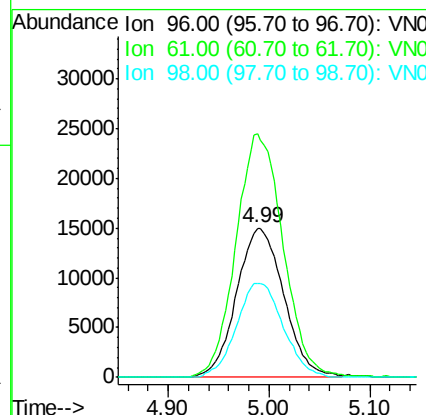
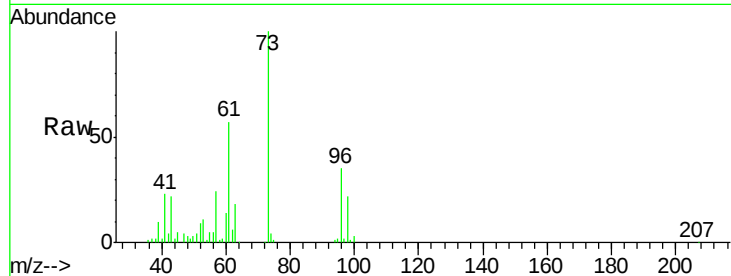
#19
trans-1,2-Dichloroethene
Concen: 18.825 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	162.0	125.7	188.5	
98	62.7	54.1	81.1	

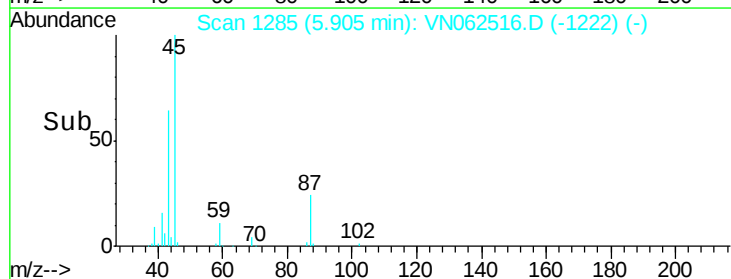
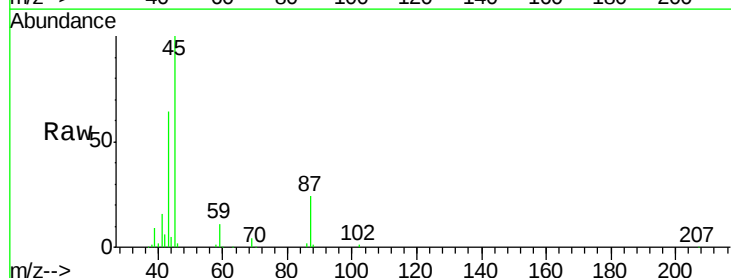
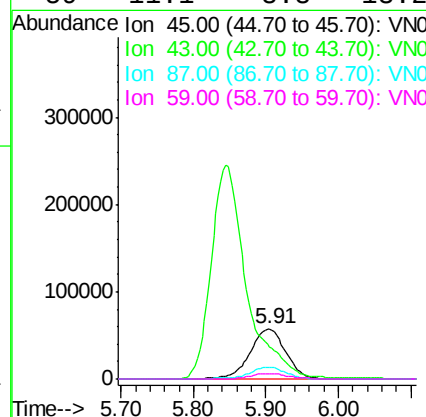
Manual Integrations
APPROVED

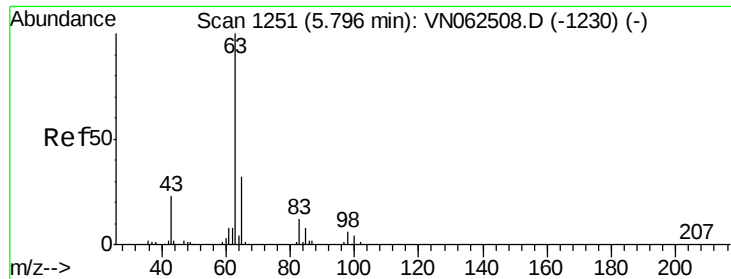
MMDadoda
7/14/2020 11:36:55 AM



#20
Diisopropyl ether
Concen: 19.290 ug/l
RT: 5.91 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	61.6	51.3	76.9	
87	24.3	19.8	29.6	
59	11.1	8.8	13.2	





#21

1,1-Dichloroethane

Concen: 19.184 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

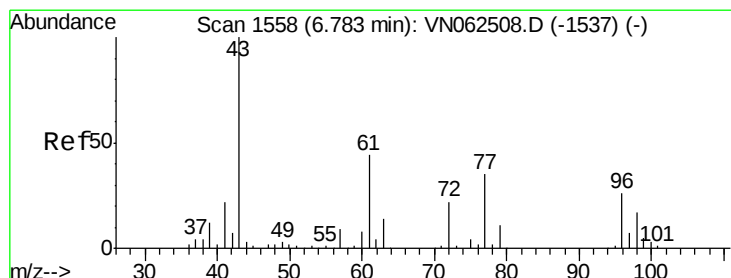
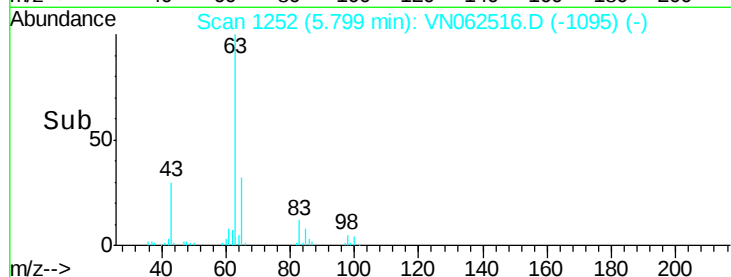
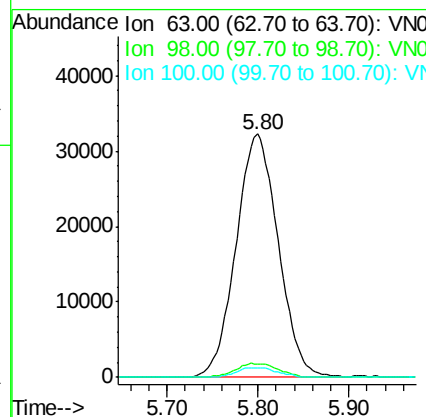
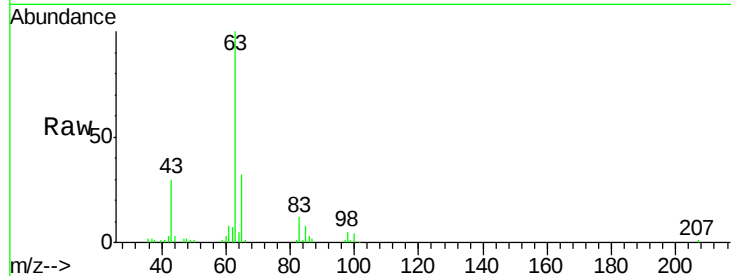
ClientSampleId :

VN0713WBS01

Tot Ion:	63	Resp:	103903
Ion Ratio		Lower	Upper
63	100		
98	5.4	2.8	8.4
100	3.9	2.0	5.8

Manual Integrations
APPROVED

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#22

cis-1,2-Dichloroethene

Concen: 19.047 ug/l

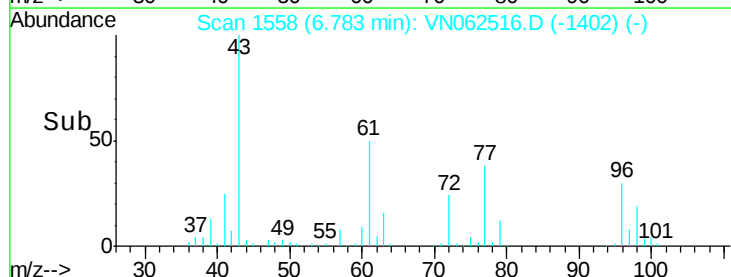
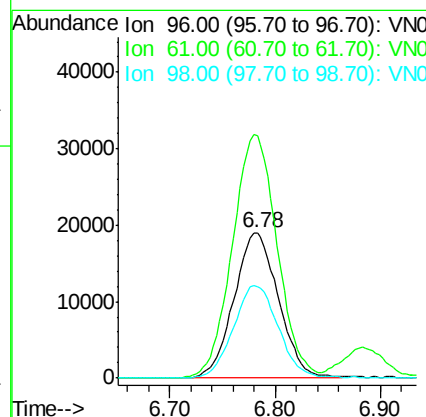
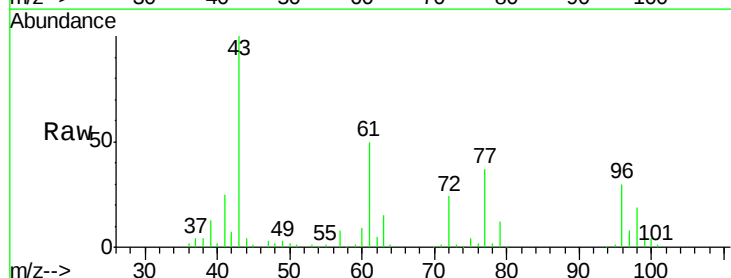
RT: 6.78 min Scan# 1558

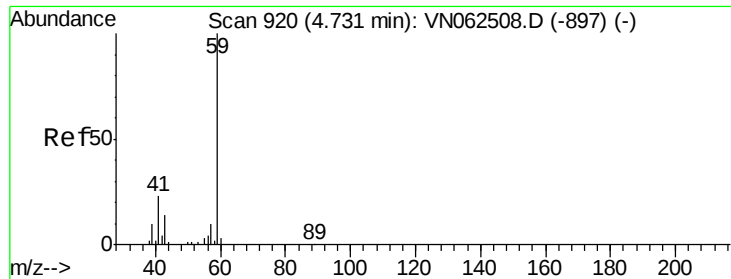
Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Tgt Ion:	96	Resp:	55709
Ion Ratio		Lower	Upper
96	100		
61	168.0	134.9	202.3
98	64.1	51.5	77.3





#23

tert-Butyl Alcohol

Concen: 94.751 ug/l

RT: 4.73 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion: 59 Resp: 46346

Ion Ratio Lower Upper

59 100

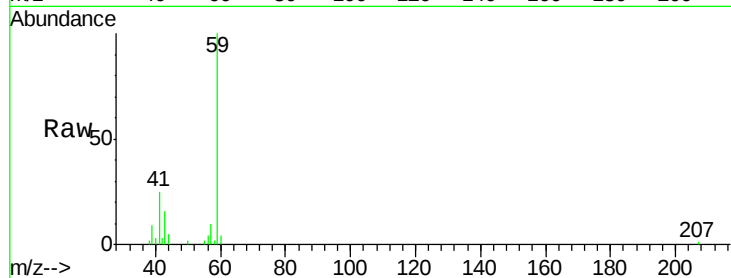
52 0.0 0.0 0.0

Manual Integrations

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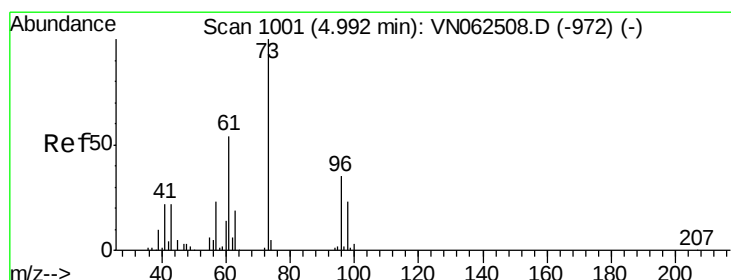
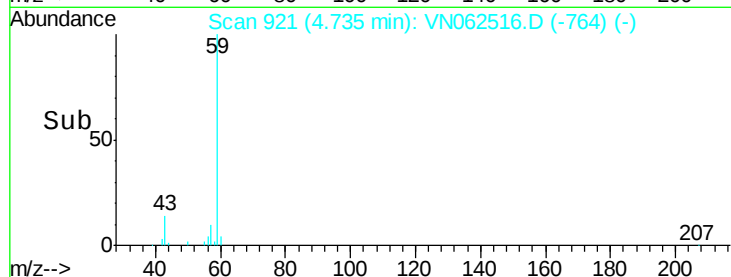
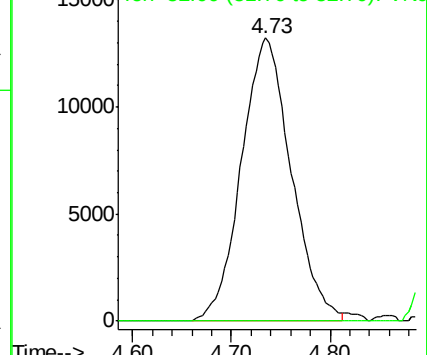
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Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 18.955 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN062516.D

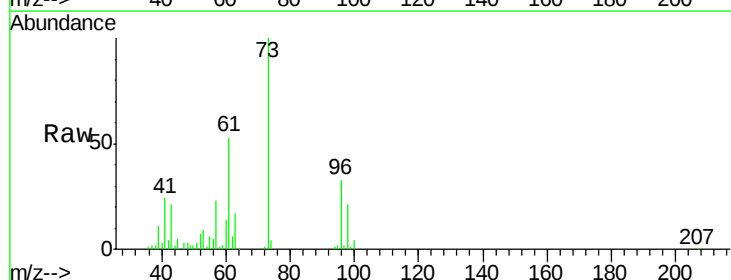
Acq: 13 Jul 2020 15:10

Tgt Ion: 73 Resp: 163750

Ion Ratio Lower Upper

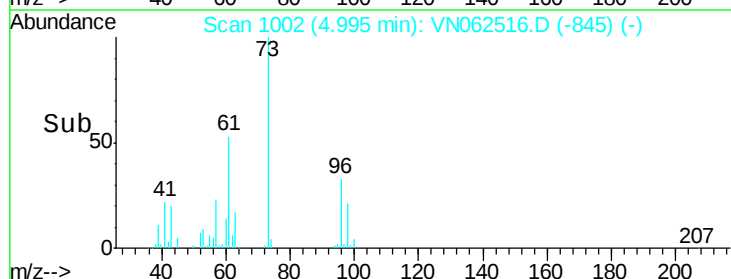
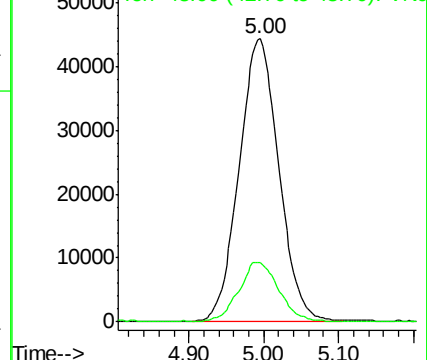
73 100

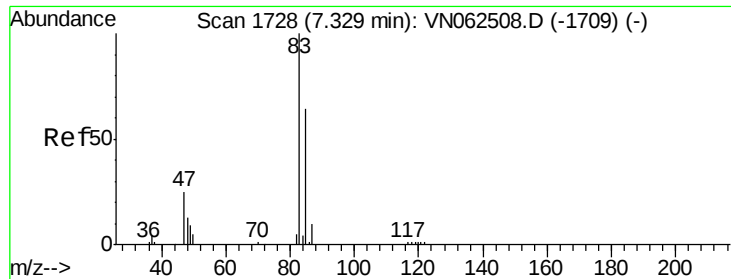
43 21.3 16.9 25.3



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#25

Chloroform

Concen: 19.499 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion: 83 Resp: 96851

Ion Ratio Lower Upper

83 100

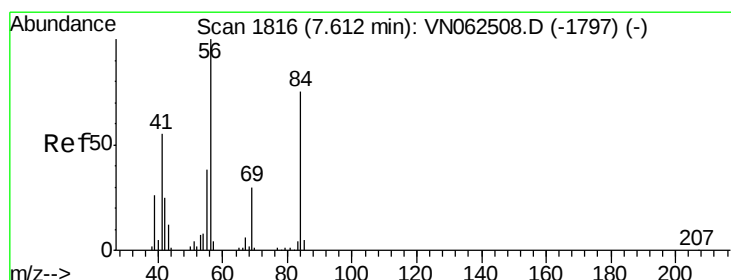
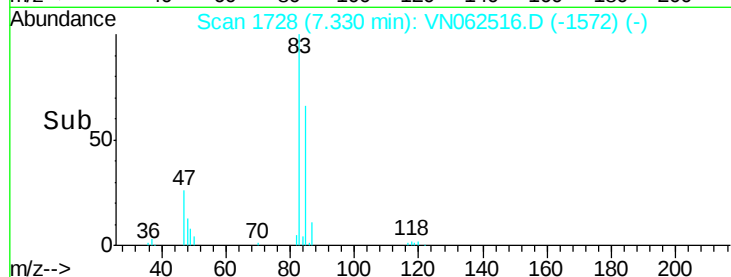
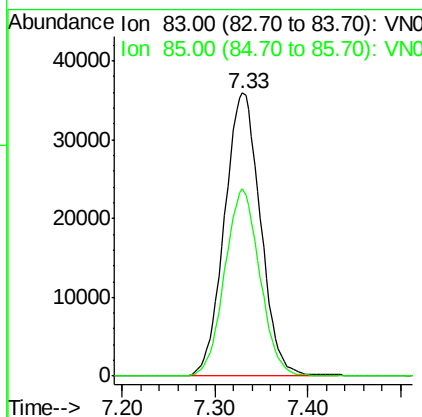
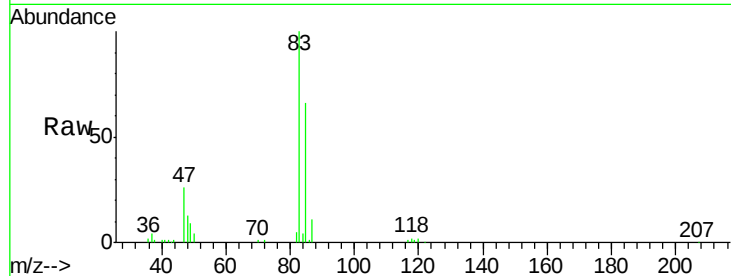
85 66.0 51.0 76.4

Manual Integrations

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#26

Cyclohexane

Concen: 19.449 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

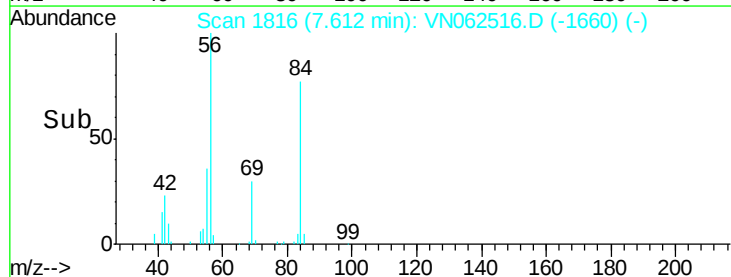
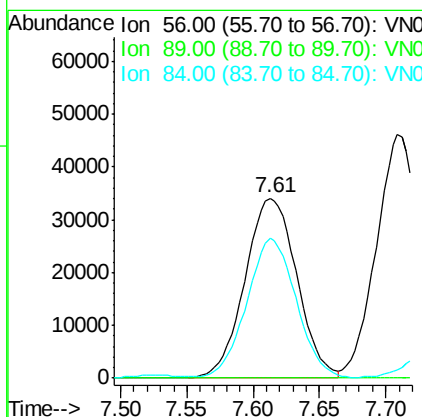
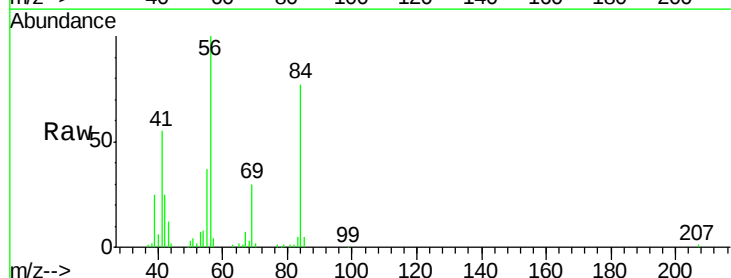
Tgt Ion: 56 Resp: 92848

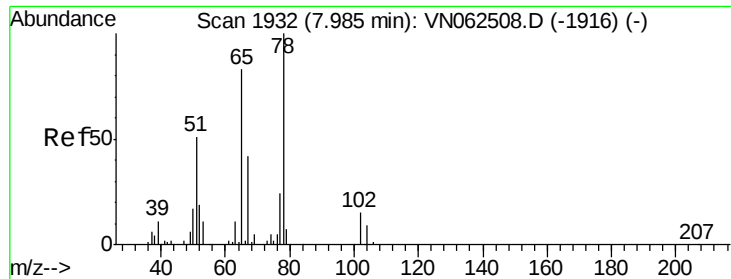
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 74.4 61.1 91.7





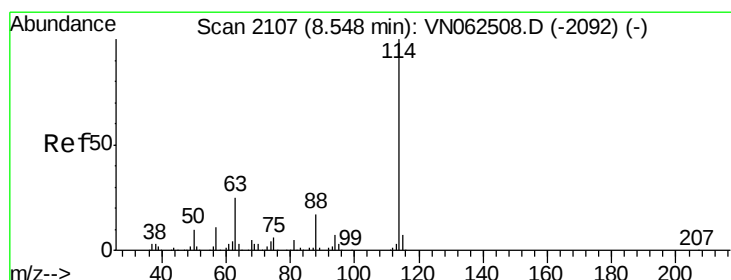
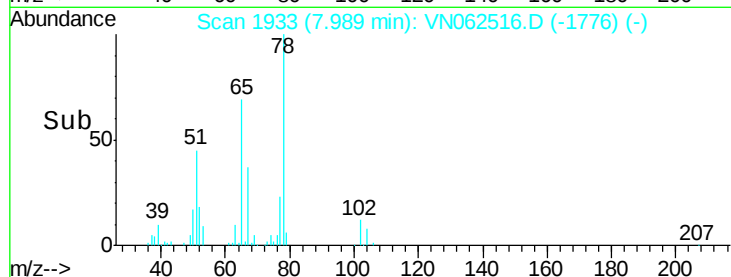
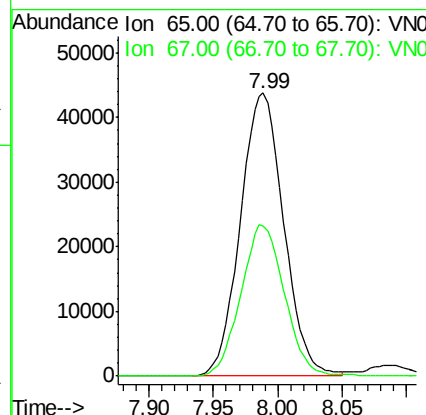
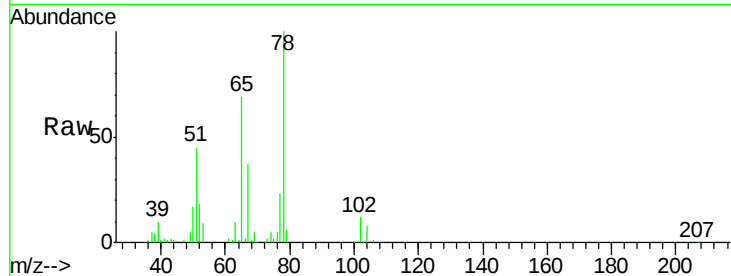
#27
 1,2-Dichloroethane-d4
 Concen: 29.305 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	41.7	62.5

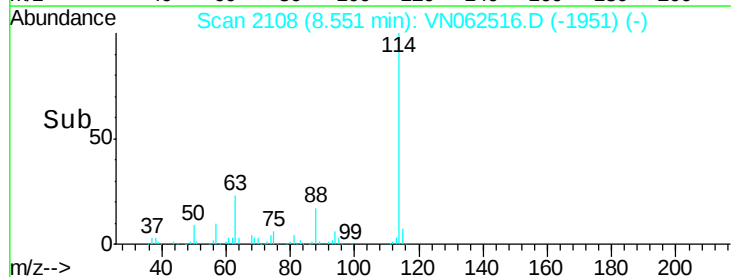
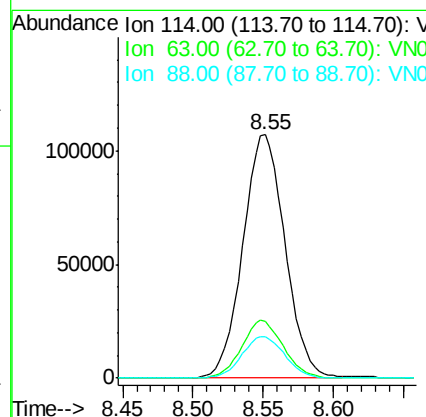
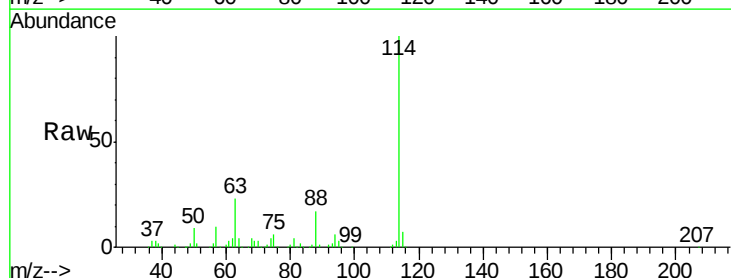
Manual Integrations
 APPROVED

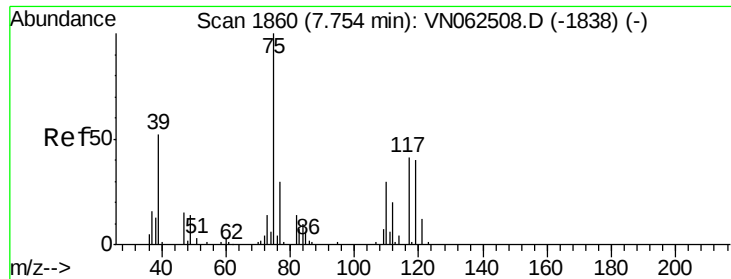
MMDadoda
 7/14/2020 11:36:55 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.4	19.4	29.0
88	17.3	13.5	20.3





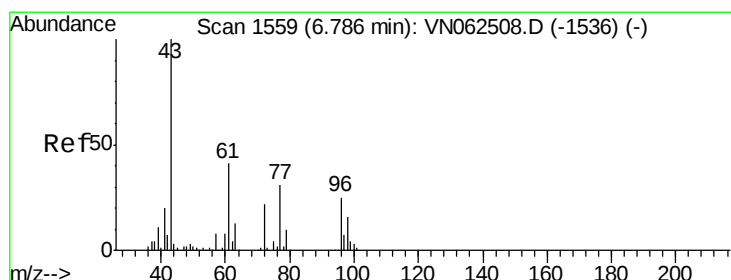
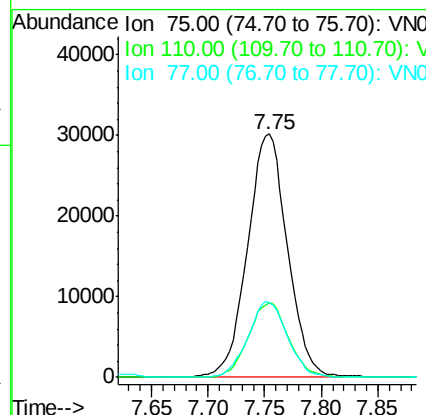
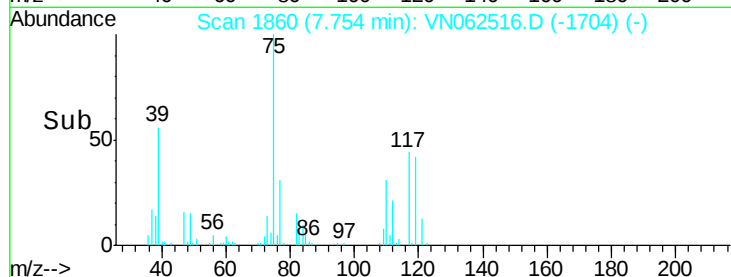
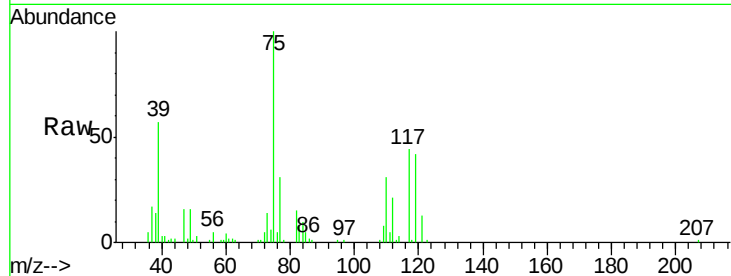
#29
 1,1-Dichloropropene
 Concen: 19.441 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.7	0.0	62.4
77	30.8	0.0	62.8

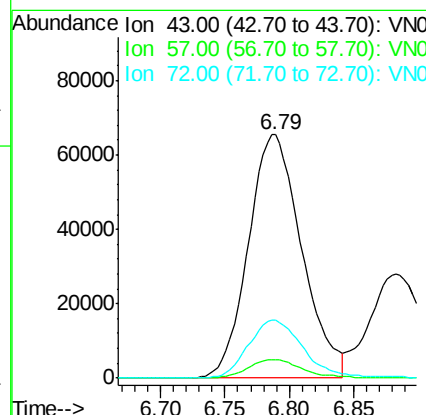
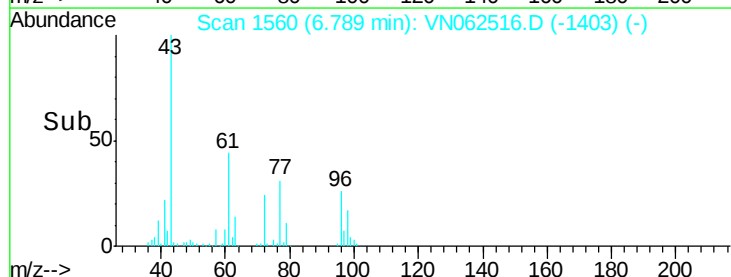
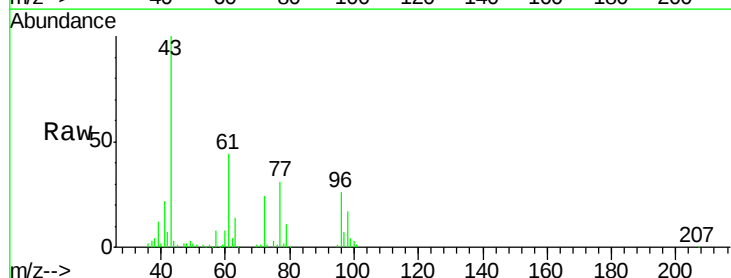
Manual Integrations
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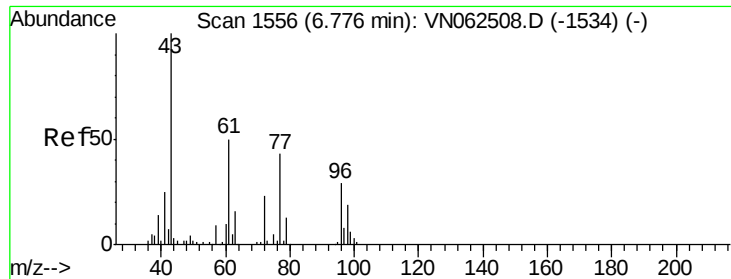
MMDadoda
 7/14/2020 11:36:55 AM



#30
 2-Butanone
 Concen: 92.921 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.6	9.8
72	24.7	18.5	27.7





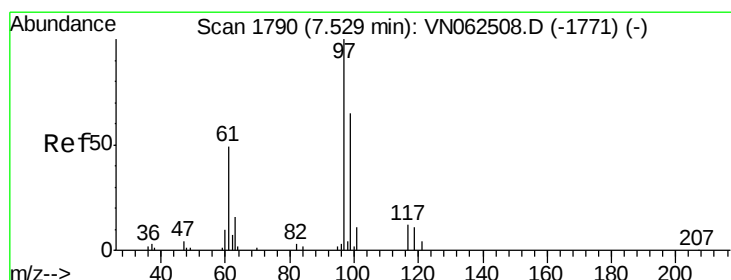
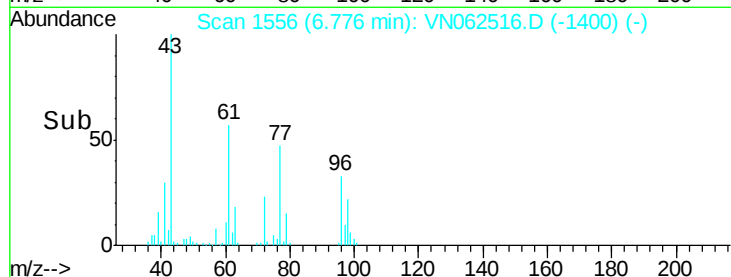
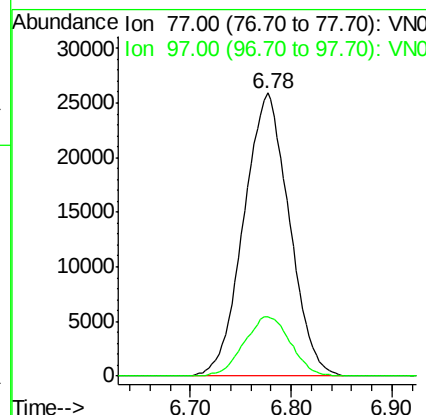
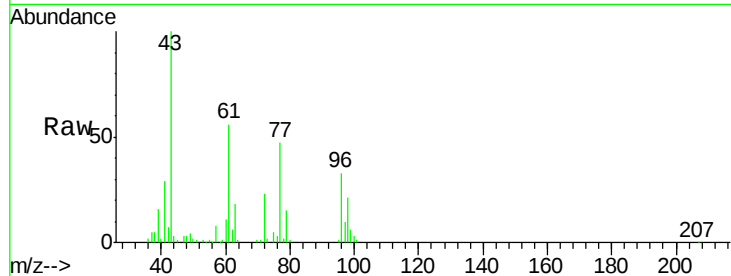
#31
 2,2-Dichloropropane
 Concen: 18.898 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion: 77 Resp: 81022
 Ion Ratio Lower Upper
 77 100
 97 21.5 8.6 12.8#

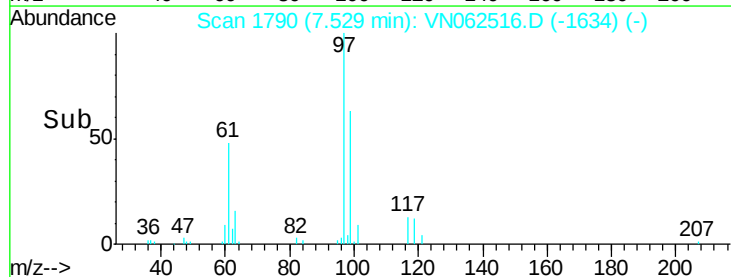
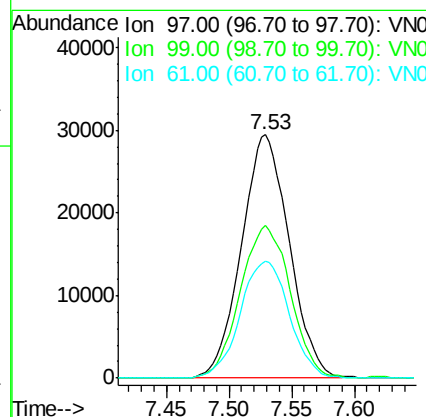
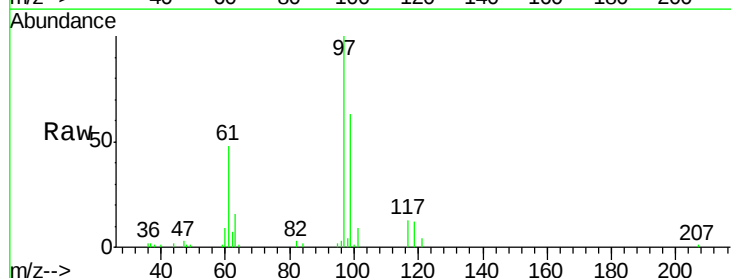
Manual Integrations
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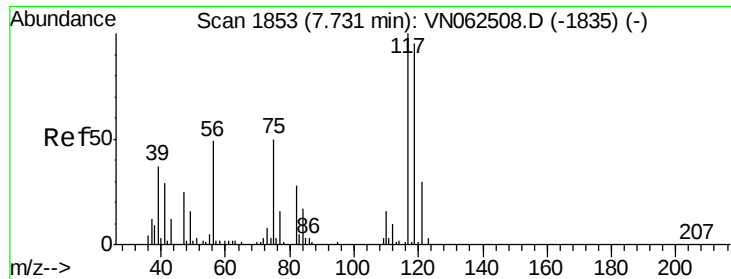
MMDadoda
 7/14/2020 11:36:55 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.151 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion: 97 Resp: 78262
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.8 77.8
 61 49.2 39.4 59.0





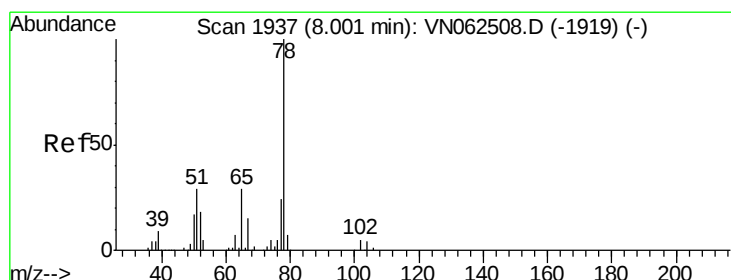
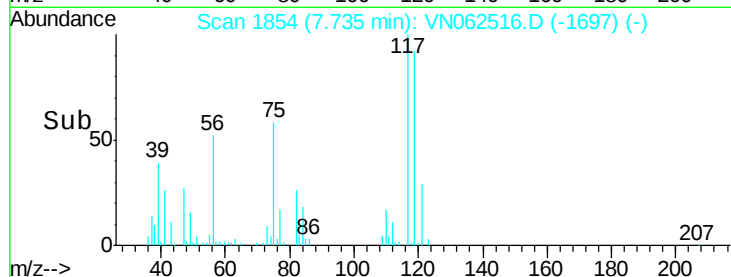
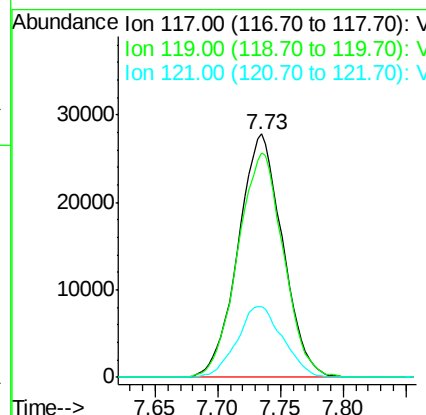
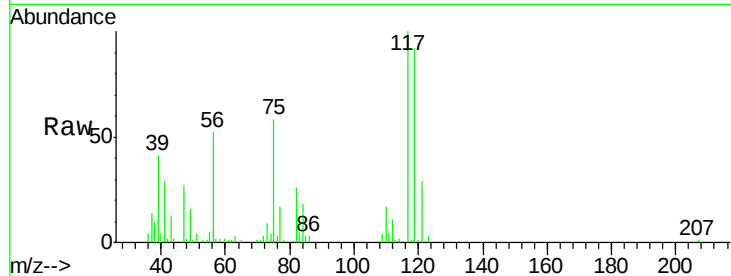
#33
Carbon Tetrachloride
Concen: 19.325 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.2	114.4
121	29.3	23.8	35.6

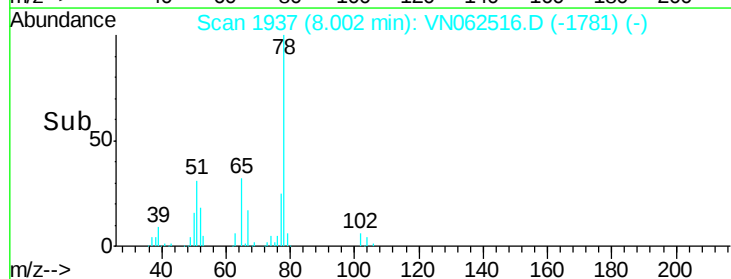
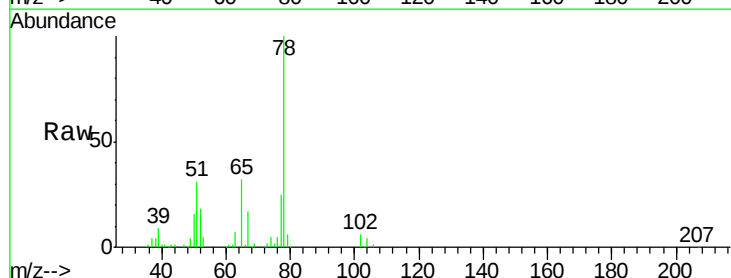
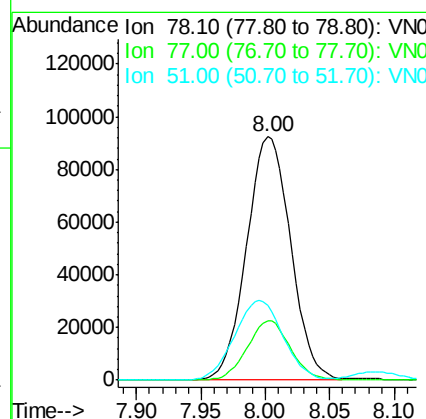
Manual Integrations
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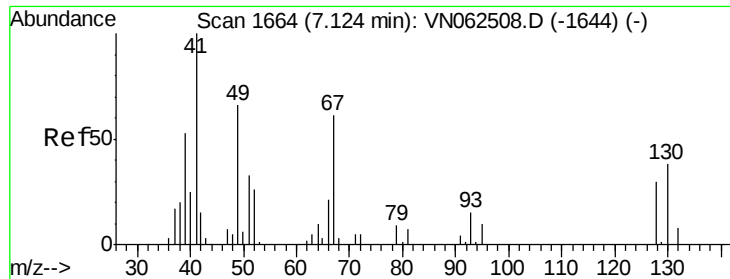
MMDadoda
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#34
Benzene
Concen: 19.536 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.9	28.3
51	30.4	23.1	34.7





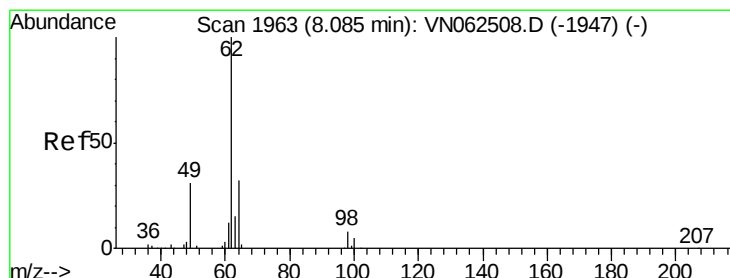
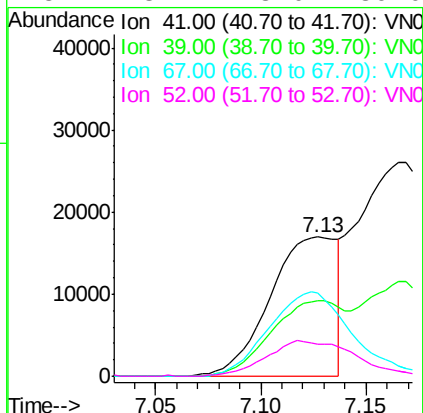
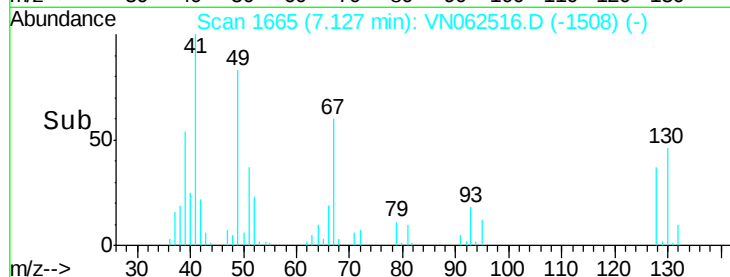
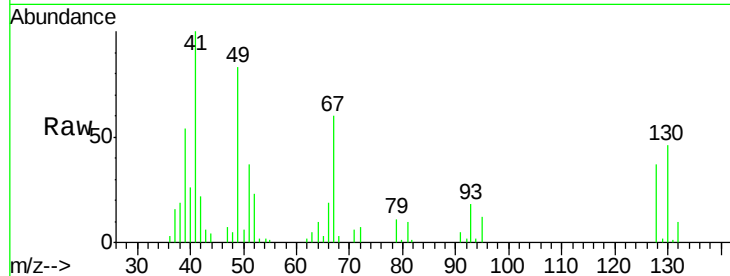
#35
Methacrylonitrile
Concen: 21.191 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	26.5	79.5	
67	59.6	30.7	92.1	
52	23.1	13.0	39.0	

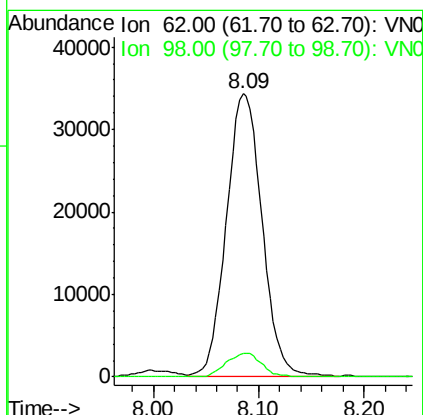
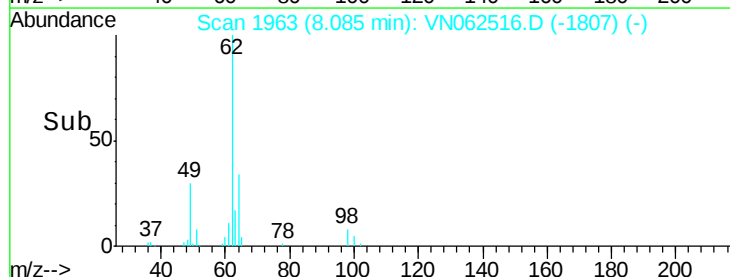
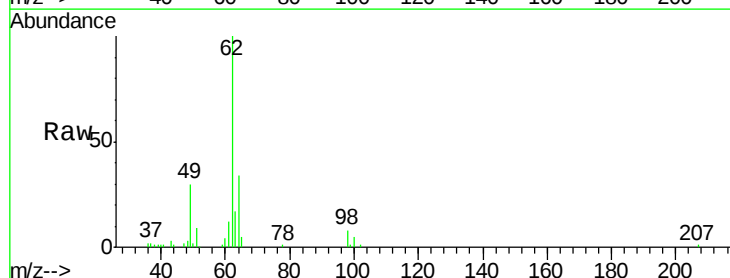
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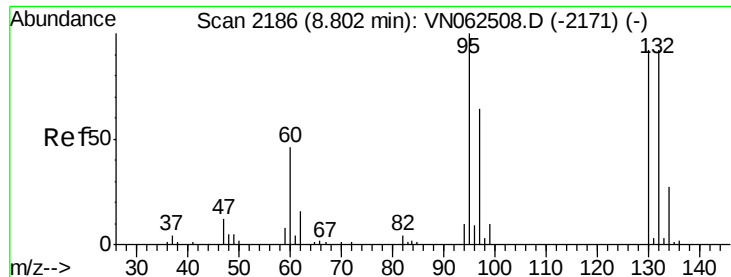
MMDadoda
7/14/2020 11:36:55 AM



#36
1,2-Dichloroethane
Concen: 19.904 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	6.6	9.8	





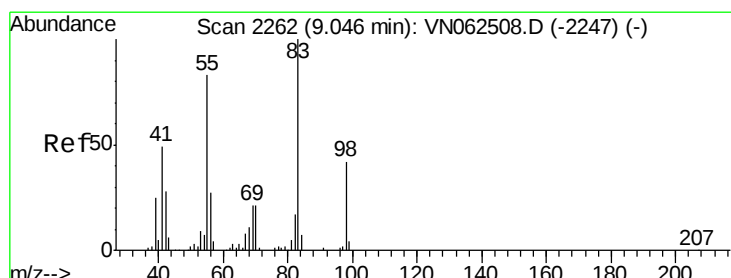
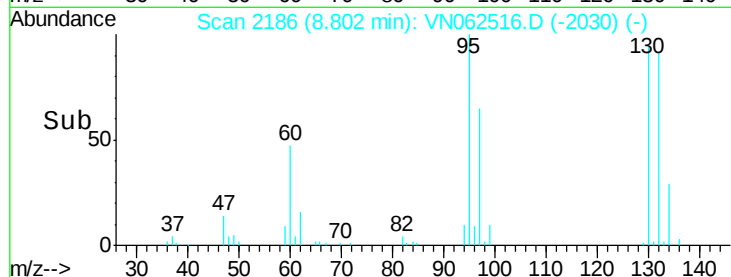
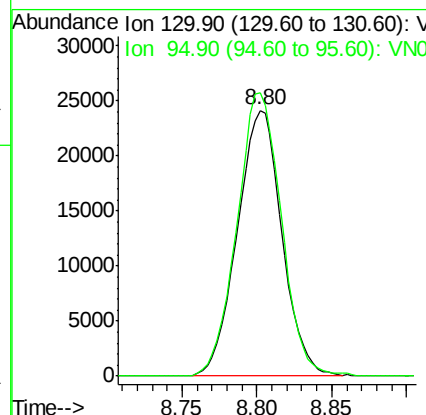
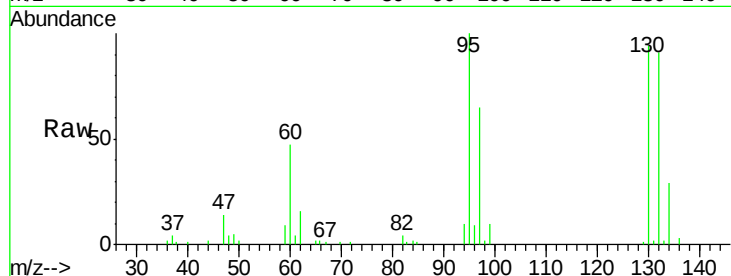
#37
 Trichloroethene
 Concen: 19.734 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion:130 Resp: 50072
 Ion Ratio Lower Upper
 130 100
 95 106.6 86.5 129.7

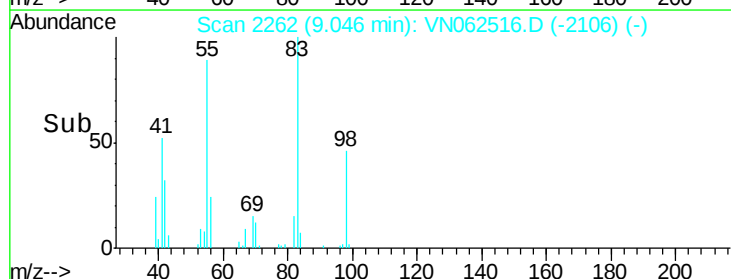
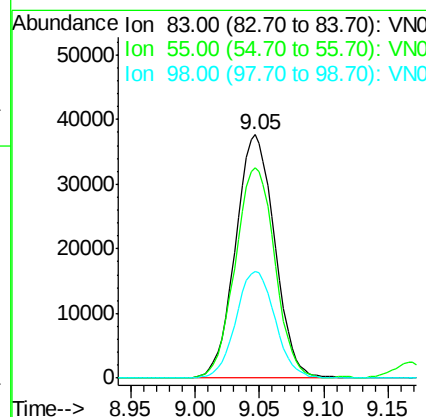
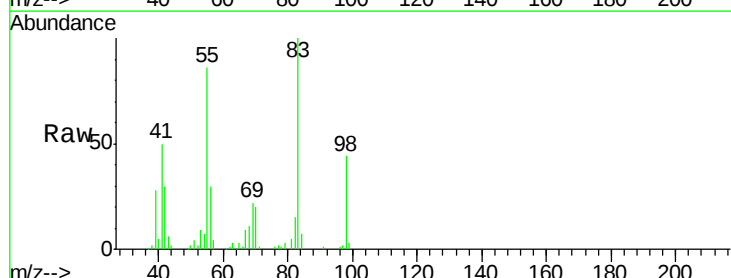
Manual Integrations
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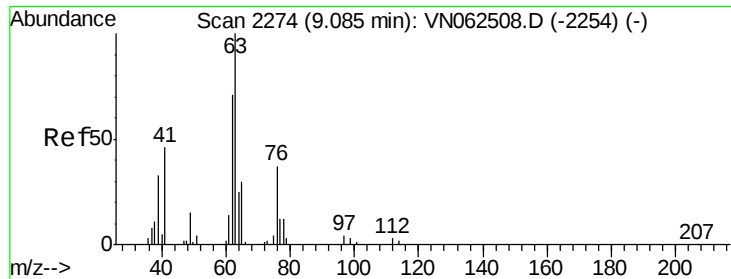
MMDadoda
 7/14/2020 11:36:55 AM



#38
 Methylcyclohexane
 Concen: 18.662 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion: 83 Resp: 79601
 Ion Ratio Lower Upper
 83 100
 55 87.4 42.8 128.3
 98 43.7 21.9 65.7





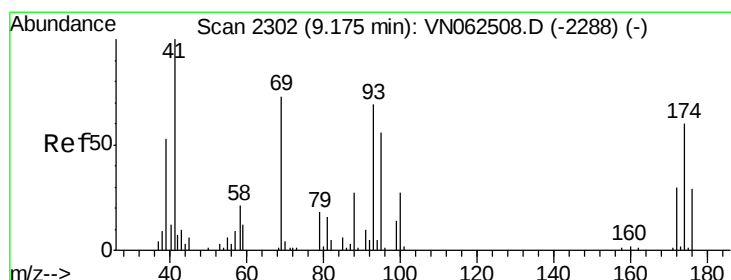
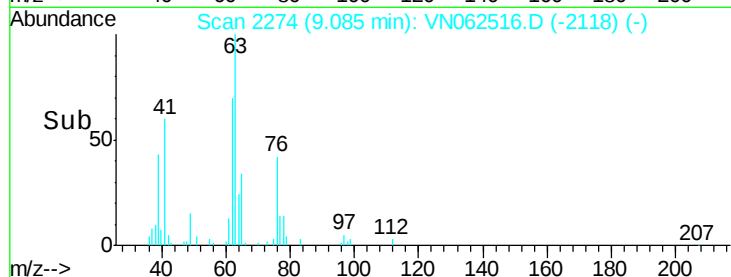
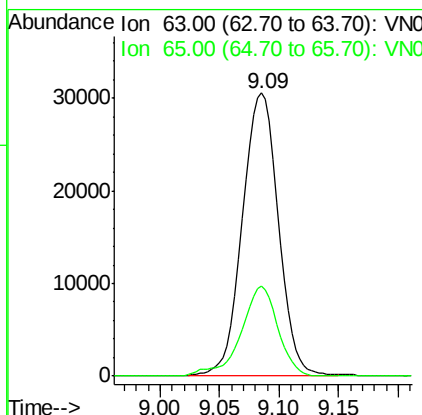
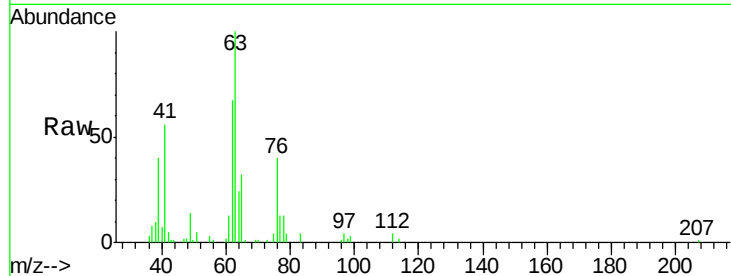
#39
 1,2-Dichloropropane
 Concen: 19.998 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.2	36.4

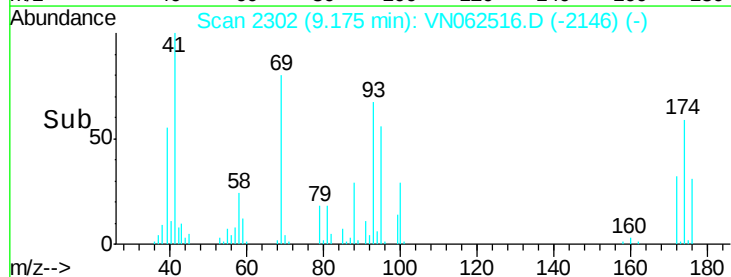
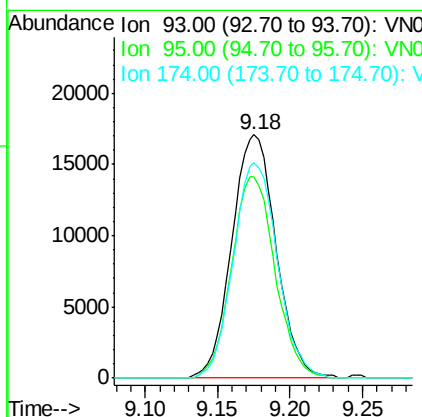
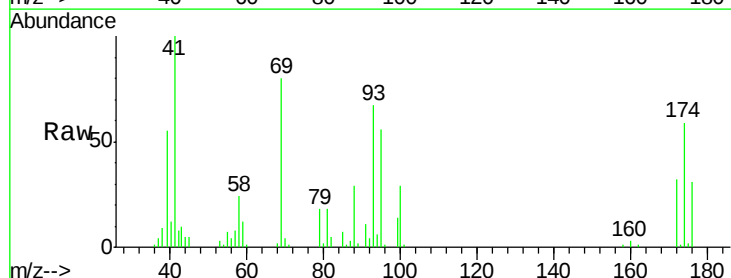
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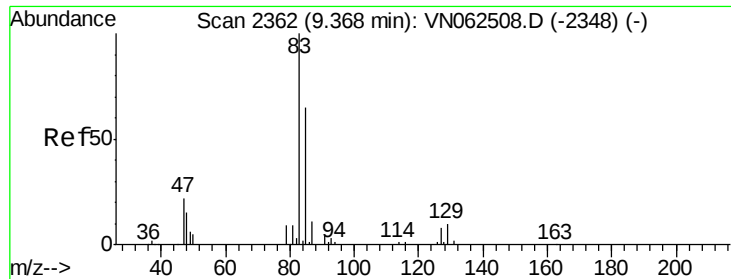
MMDadoda
 7/14/2020 11:36:55 AM



#40
 Dibromomethane
 Concen: 19.555 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.2	0.0	161.2
174	88.3	0.0	178.0





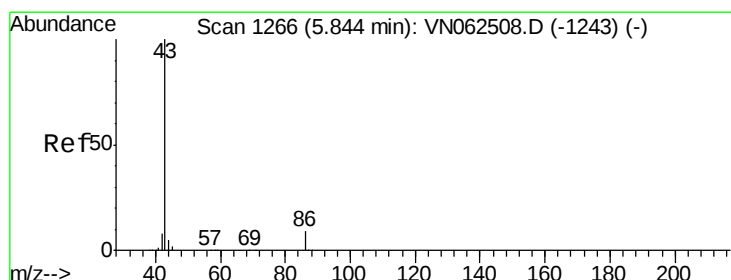
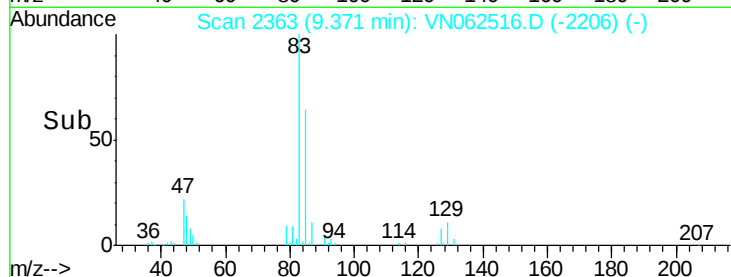
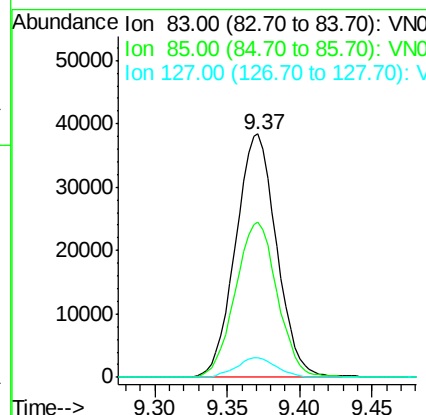
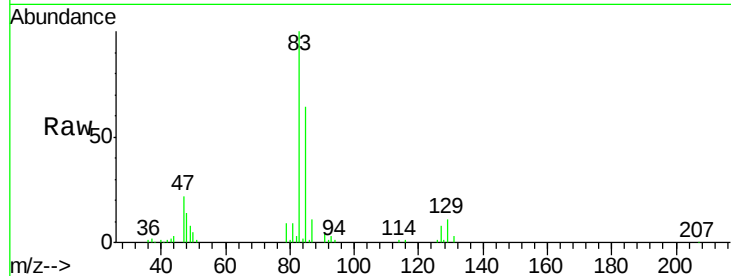
#41
Bromodichloromethane
Concen: 19.160 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	83	Resp	75373
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	51.6	77.4
127	7.9	6.3	9.5

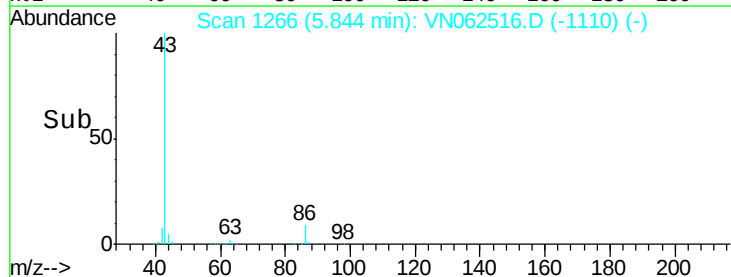
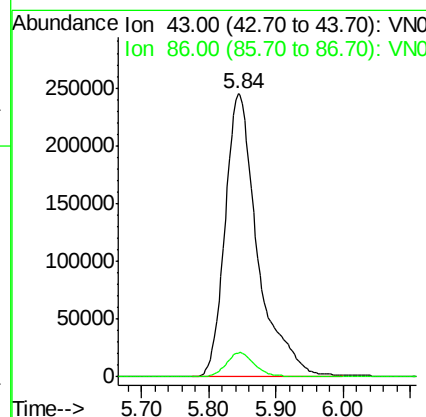
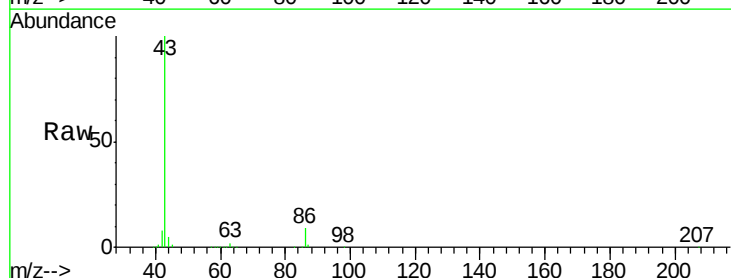
Manual Integrations
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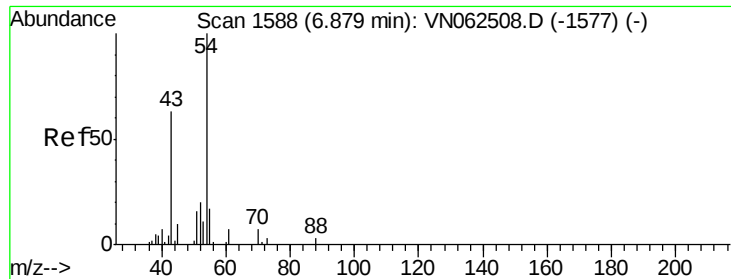
MMDadoda
7/14/2020 11:36:55 AM



#42
Vinyl Acetate
Concen: 98.581 ug/l
RT: 5.84 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion	43	Resp	826057
Ion Ratio	100	Lower	Upper
43	100		
86	7.6	6.1	9.1





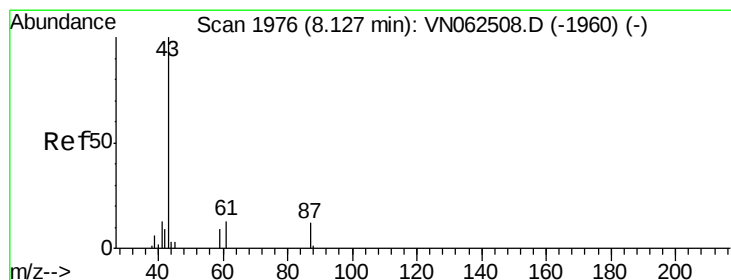
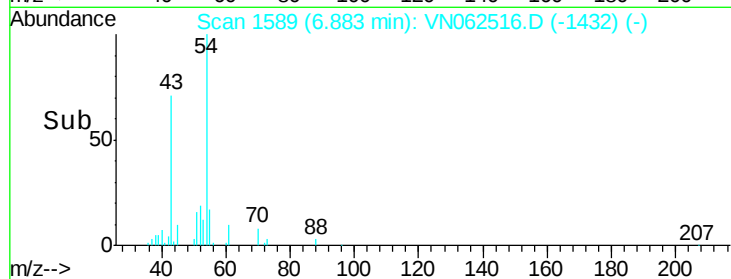
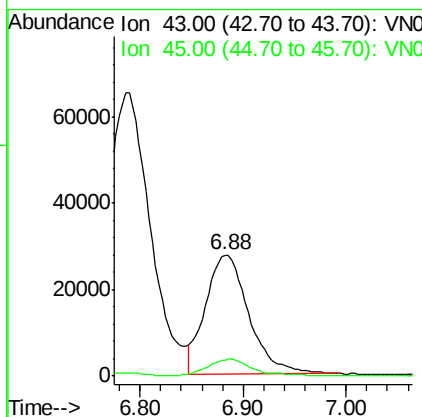
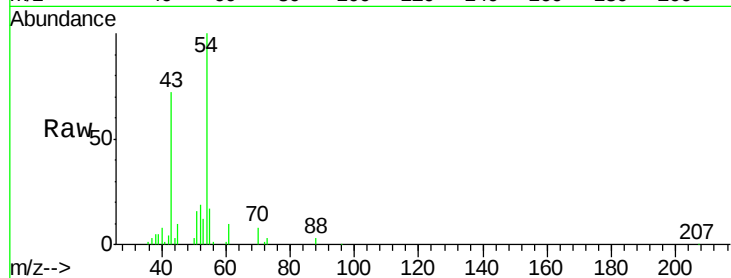
#43
Ethyl Acetate
Concen: 20.024 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion: 43 Resp: 81178
Ion Ratio Lower Upper
43 100
45 13.9 10.2 15.4

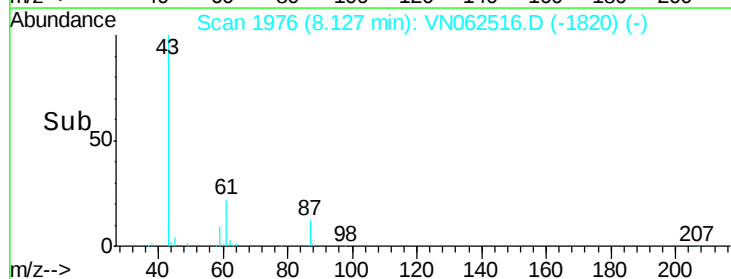
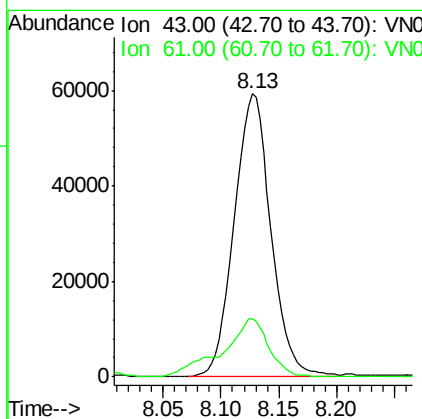
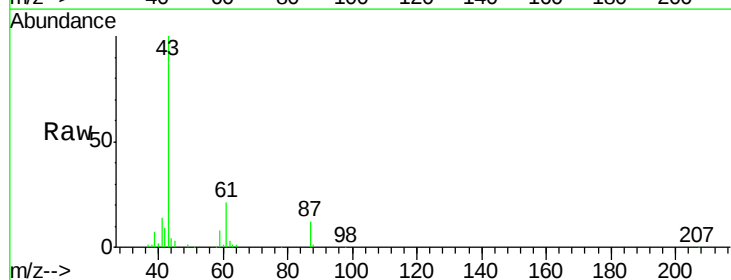
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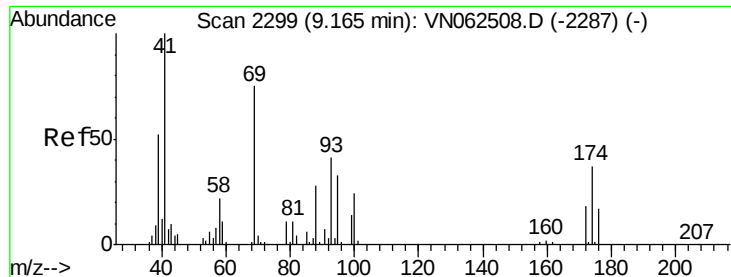
MMDadoda
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#44
Isopropyl Acetate
Concen: 19.180 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion: 43 Resp: 130461
Ion Ratio Lower Upper
43 100
61 20.1 14.7 22.1





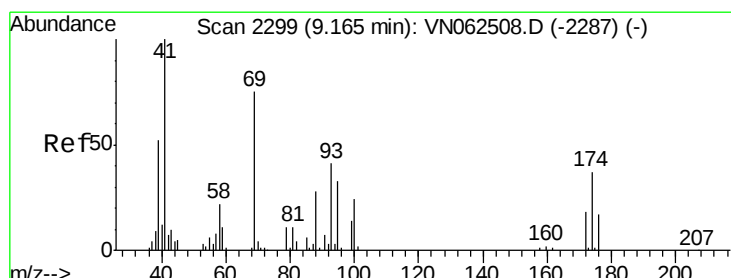
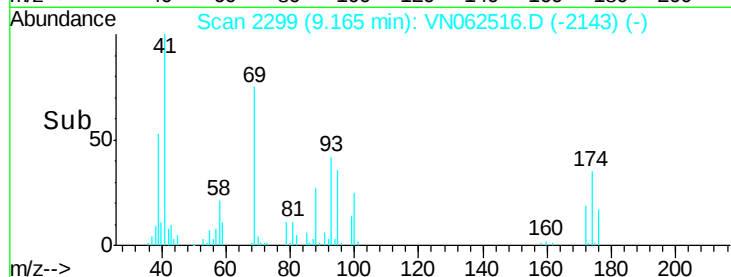
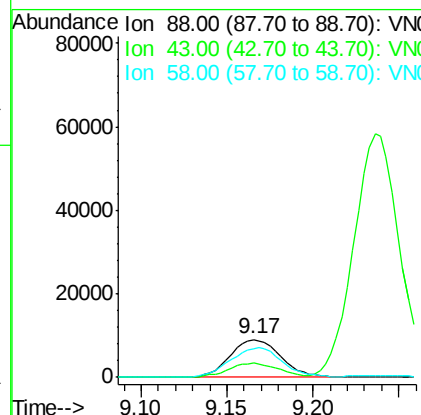
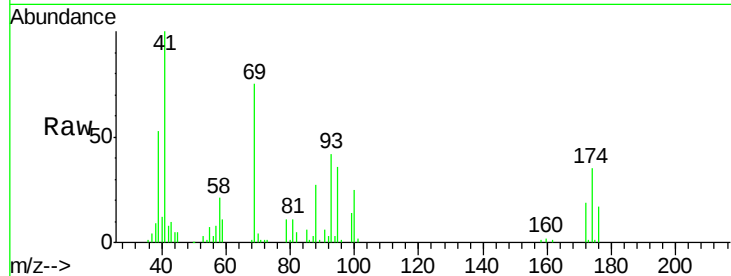
#45
 1,4-Dioxane
 Concen: 398.283 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	34.6	29.2	43.8	
58	80.6	62.2	93.4	

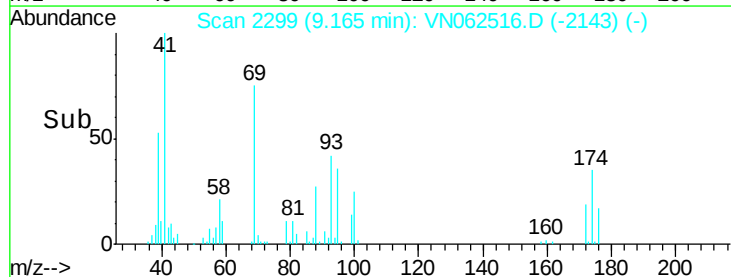
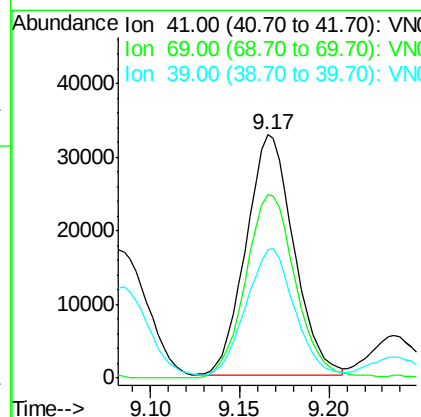
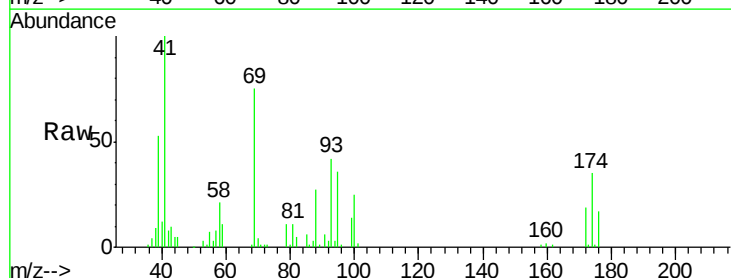
Manual Integrations
 APPROVED

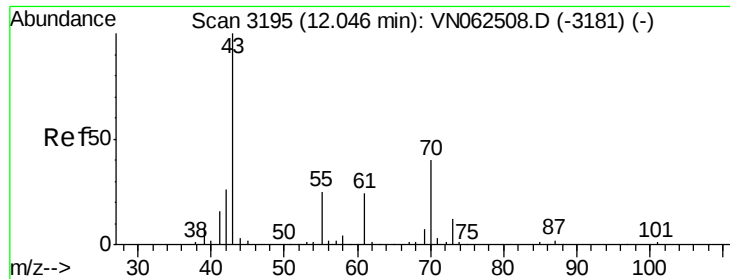
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 7/14/2020 11:36:55 AM



#46
 Methyl methacrylate
 Concen: 18.824 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	76.2	37.4	112.2	
39	51.7	25.9	77.6	





#47

n-amvl Acetate

Concen: 18.340 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion: 43 Resp: 105156

Ion Ratio Lower Upper

43 100

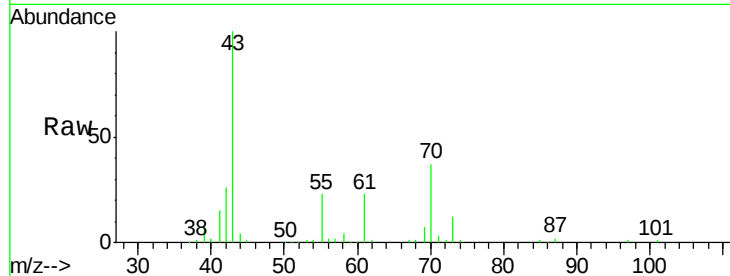
55 23.9 20.4 30.6

Manual Integrations

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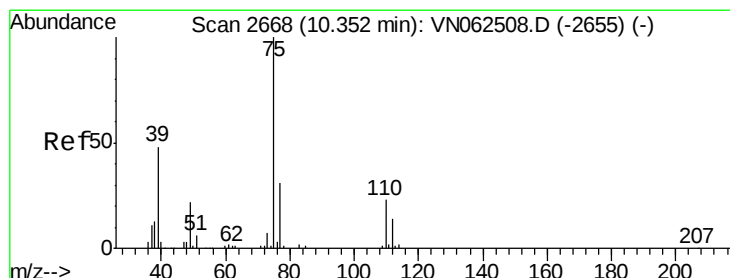
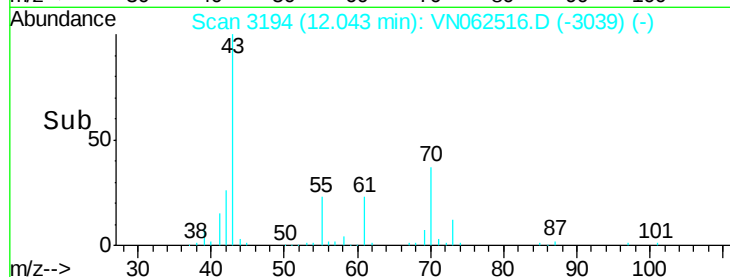
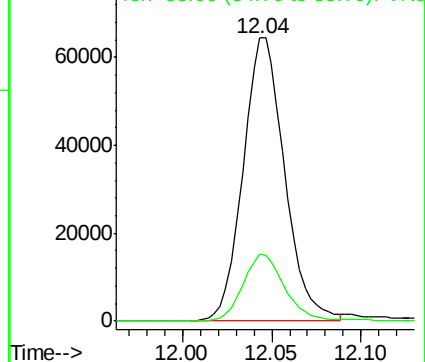
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.715 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062516.D

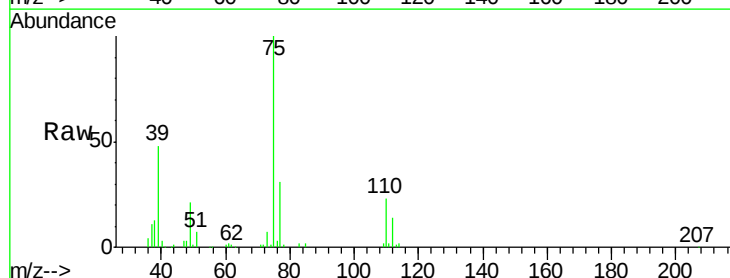
Acq: 13 Jul 2020 15:10

Tgt Ion: 75 Resp: 85872

Ion Ratio Lower Upper

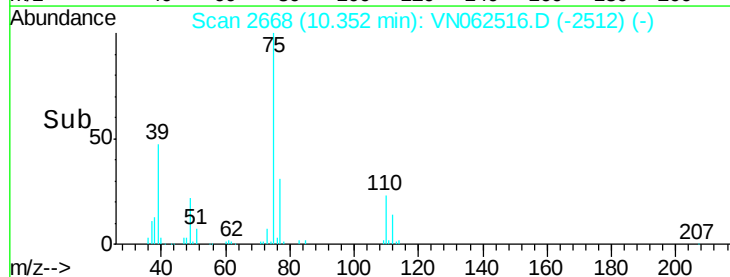
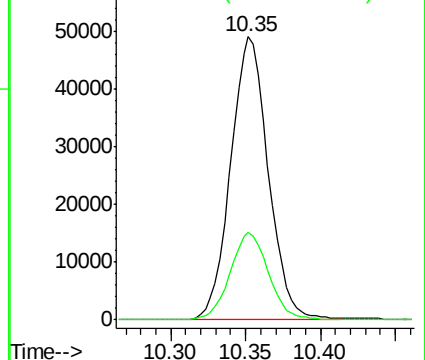
75 100

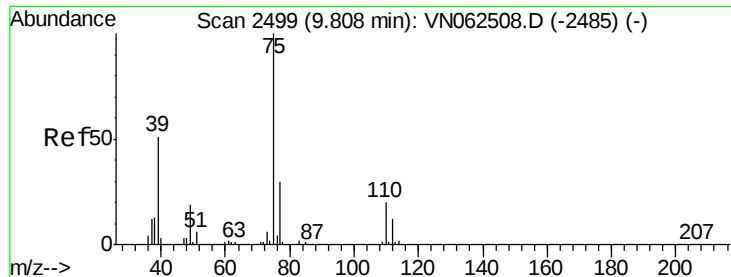
77 31.0 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

cis-1,3-Dichloropropene

Concen: 18.667 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

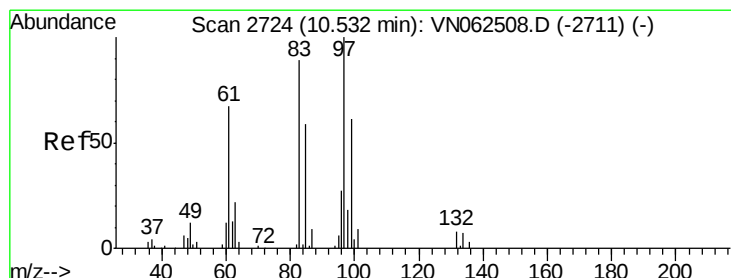
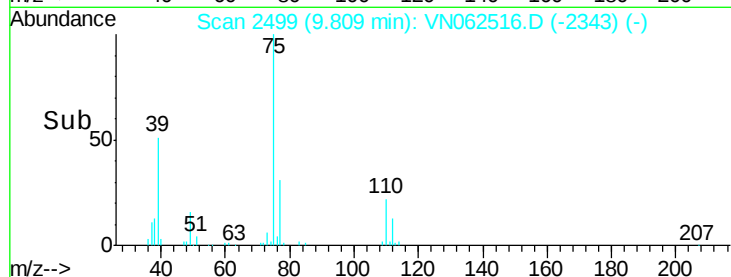
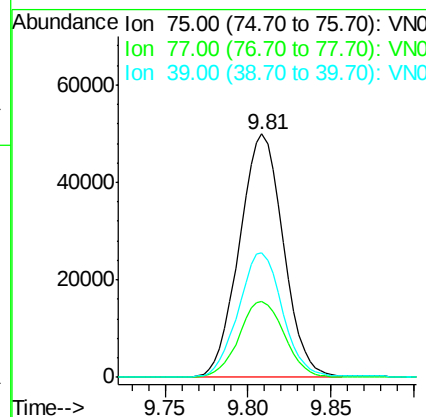
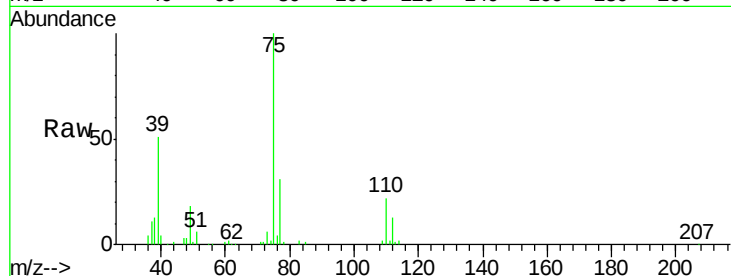
ClientSampleId :

VN0713WBS01

Tot Ion:	75	Resp:	92459
Ion	Ratio	Lower	Upper
75	100		
77	31.2	23.7	35.5
39	51.0	40.5	60.7

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 19.687 ug/l

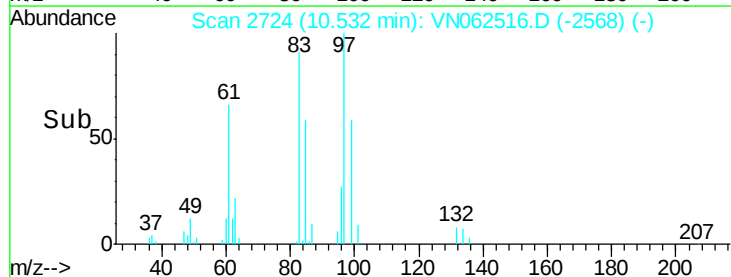
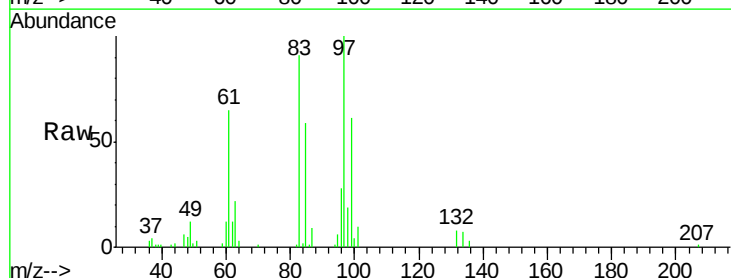
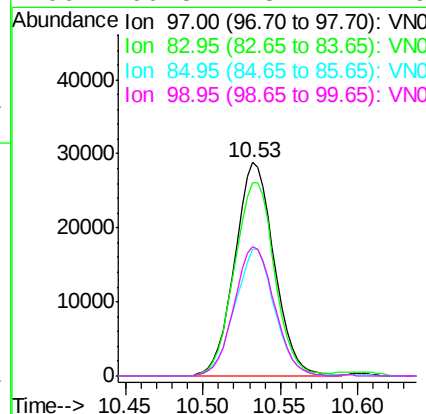
RT: 10.53 min Scan# 2724

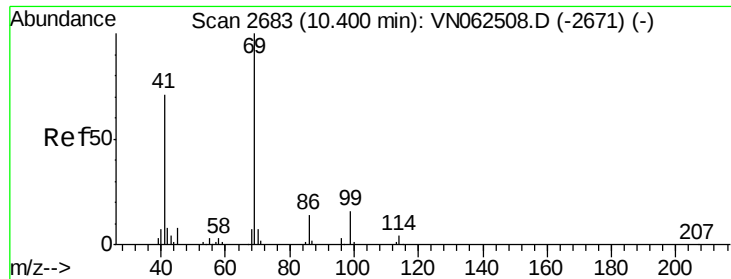
Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Tgt Ion:	97	Resp:	51181
Ion	Ratio	Lower	Upper
97	100		
83	90.6	71.3	106.9
85	59.2	47.2	70.8
99	60.8	48.4	72.6





#51

Ethyl methacrylate

Concen: 18.859 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

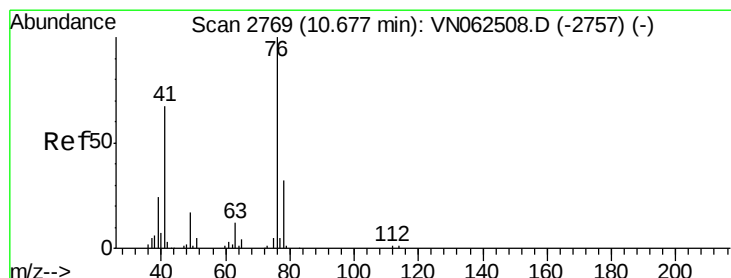
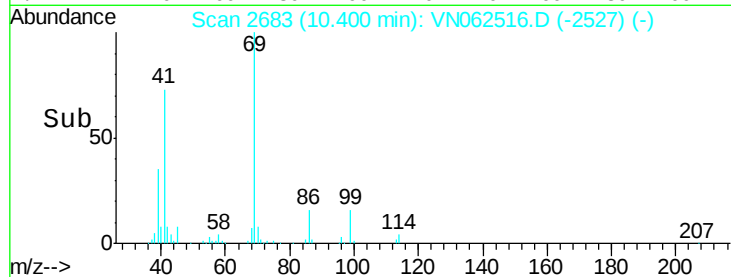
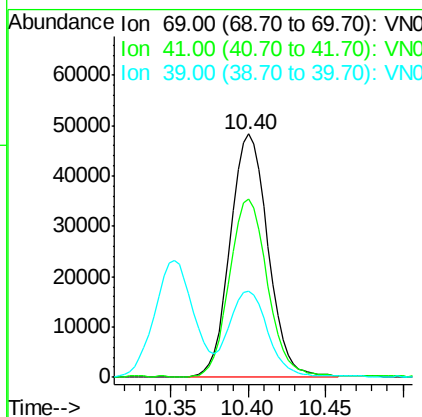
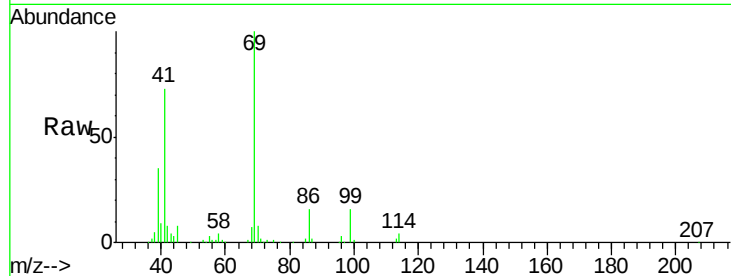
ClientSampleId :

VN0713WBS01

Tot Ion:	69	Resp:	82546
Ion	Ratio	Lower	Upper
69	100		
41	73.1	35.6	106.8
39	34.9	17.2	51.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.568 ug/l

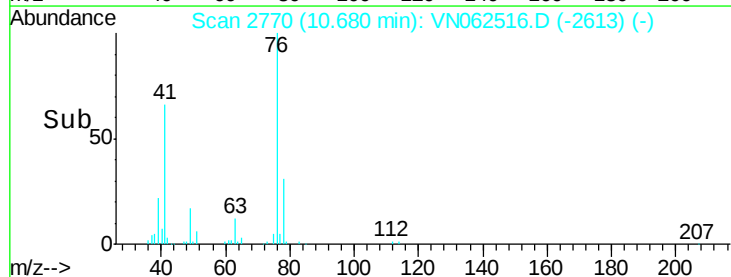
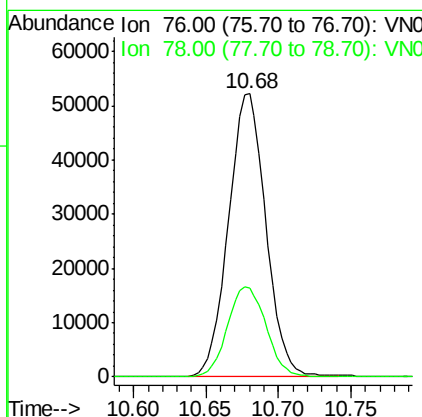
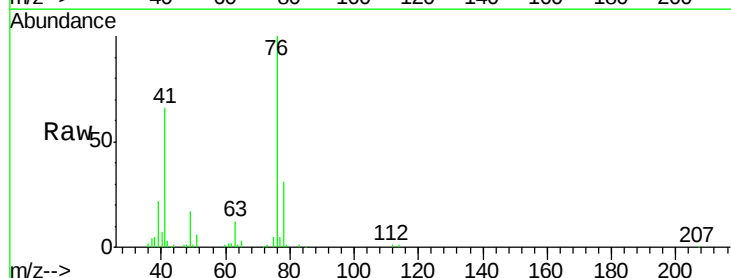
RT: 10.68 min Scan# 2770

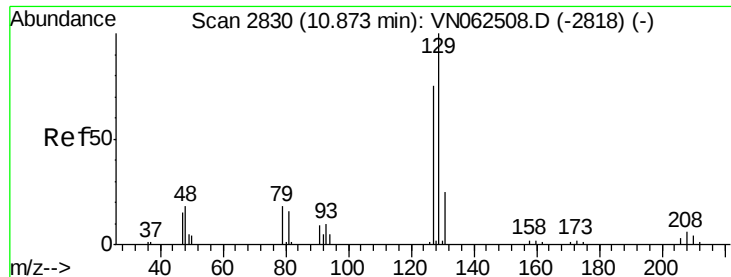
Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Tgt Ion:	76	Resp:	93363
Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.0	63.6





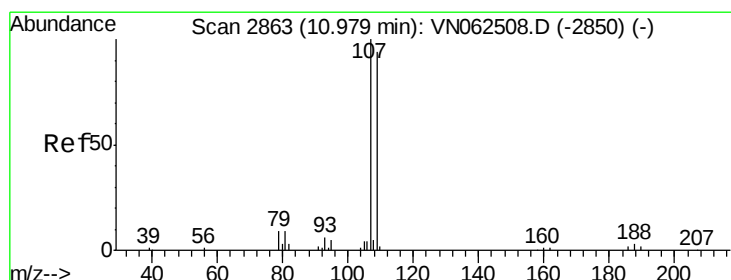
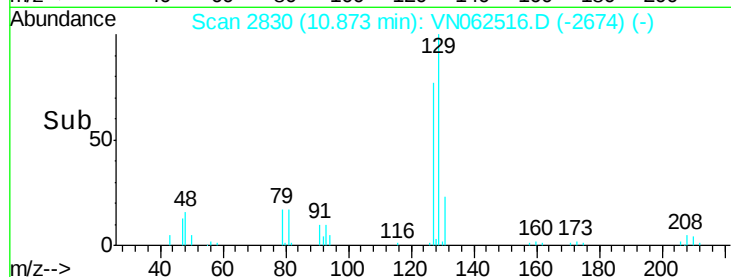
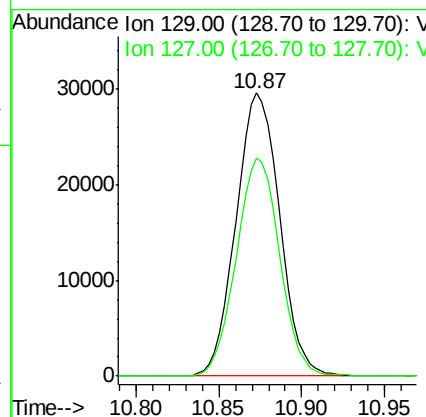
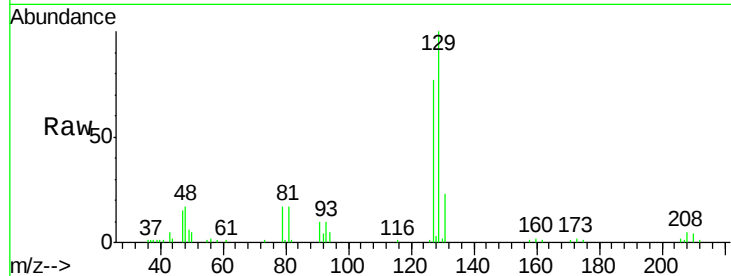
#53
 Dibromochloromethane
 Concen: 19.162 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion:129 Resp: 54276
 Ion Ratio Lower Upper
 129 100
 127 76.6 38.1 114.5

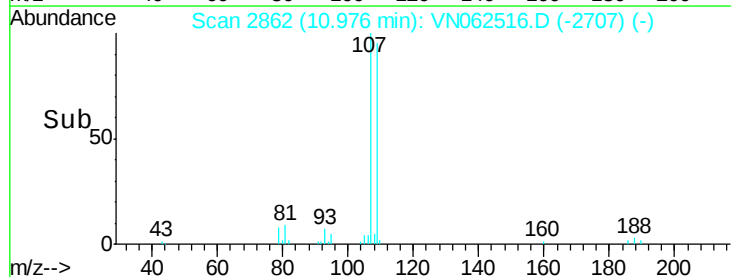
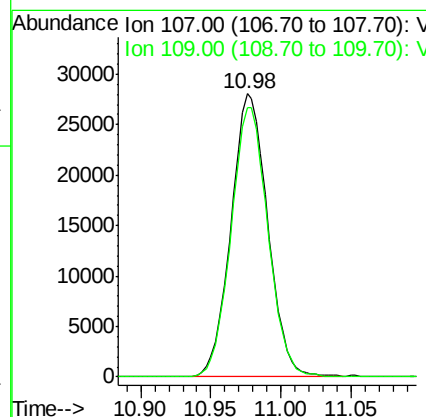
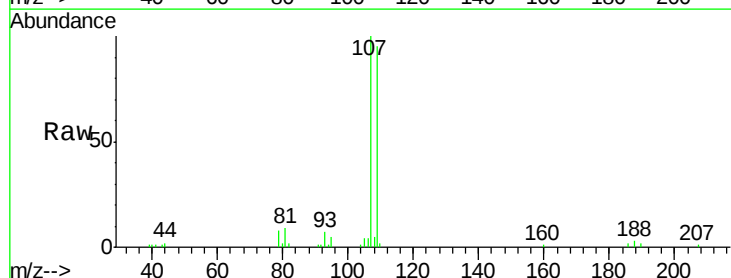
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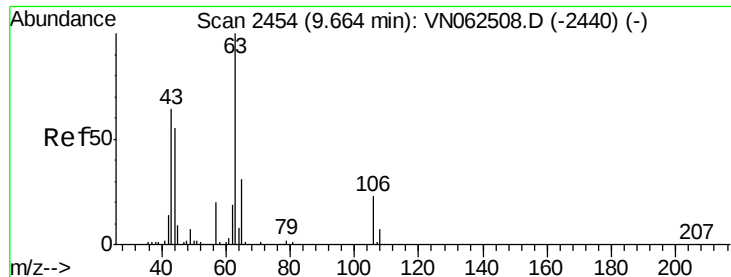
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#54
 1,2-Dibromoethane
 Concen: 19.188 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion:107 Resp: 51058
 Ion Ratio Lower Upper
 107 100
 109 95.5 74.8 112.2





#55

2-Chloroethyl vinyl ether

Concen: 97.607 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

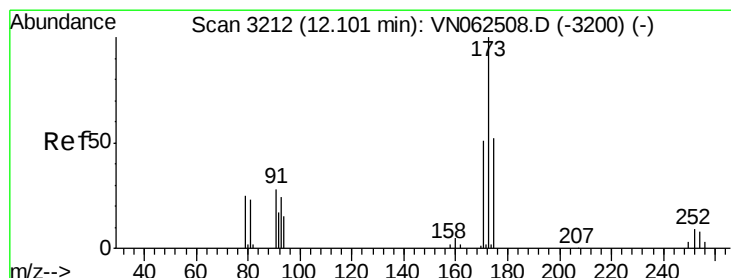
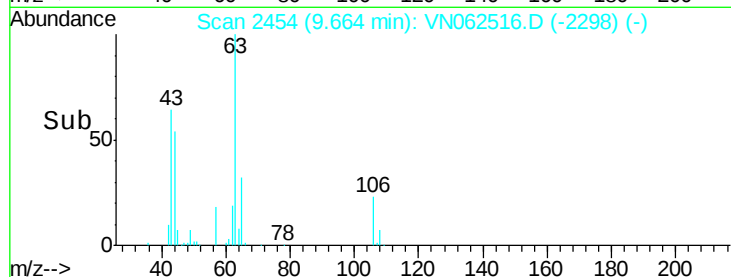
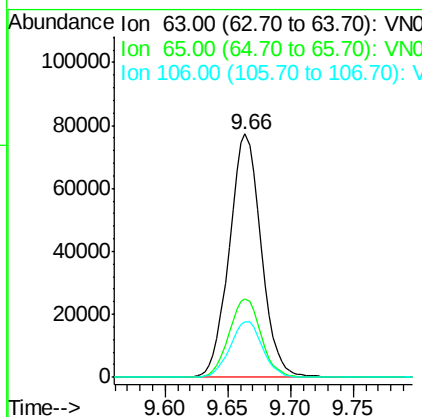
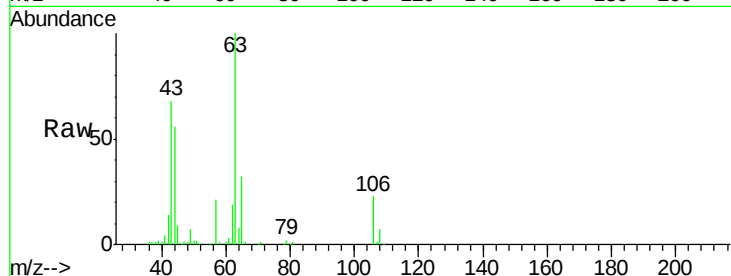
ClientSampleId :

VN0713WBS01

Tot Ion:	63	Resp:	136455
Ion Ratio	Lower	Upper	
63	100		
65	32.4	25.4	38.2
106	23.2	18.4	27.6

Manual Integrations
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#56

Bromoform

Concen: 18.725 ug/l

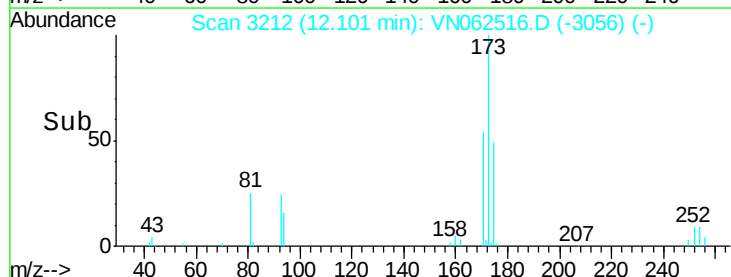
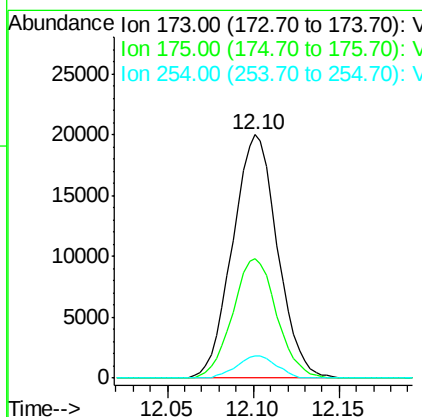
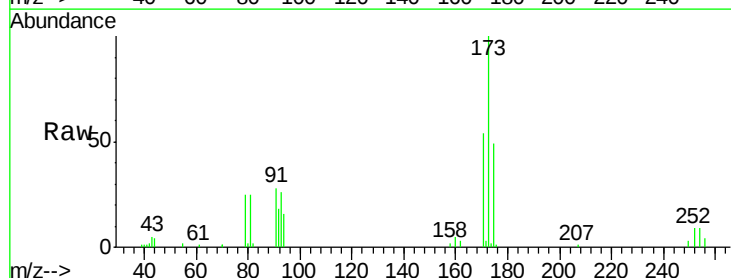
RT: 12.10 min Scan# 3212

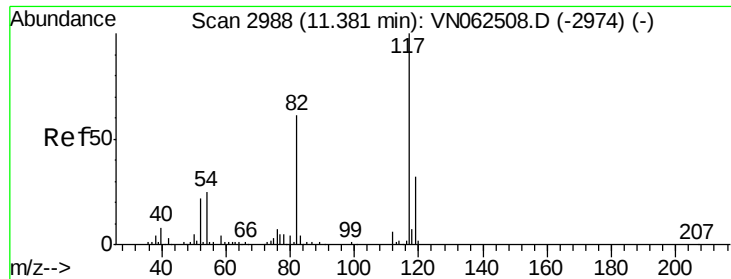
Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Tgt Ion:	173	Resp:	36225
Ion Ratio	Lower	Upper	
173	100		
175	48.2	38.1	57.1
254	8.1	6.2	9.2





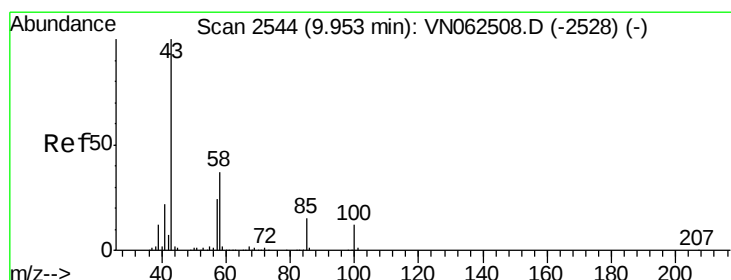
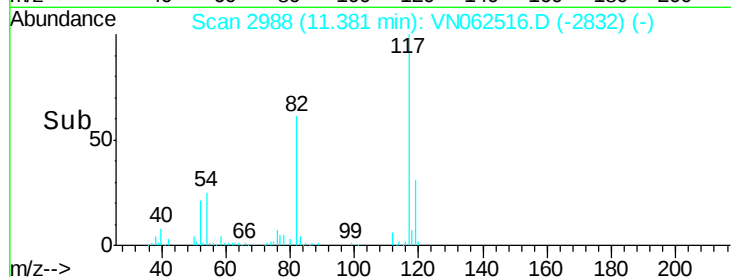
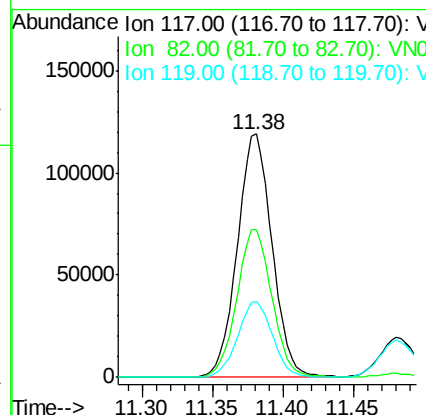
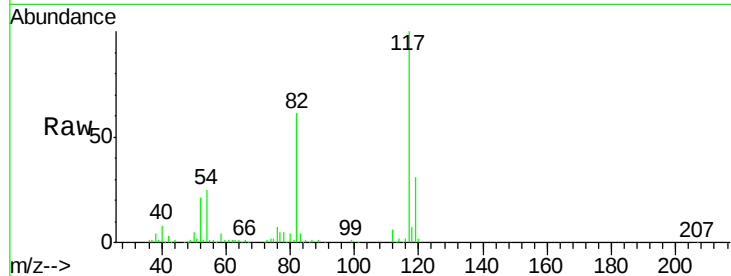
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	205844		
82	61.3	49.0	73.6	
119	31.2	25.6	38.4	

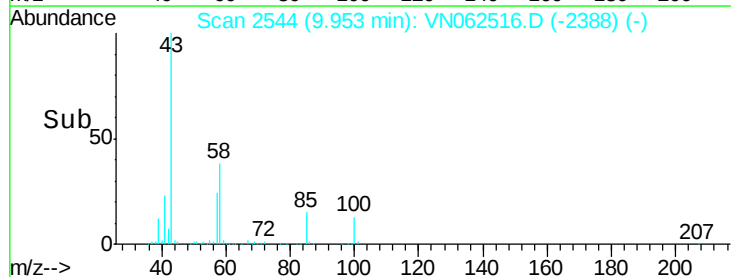
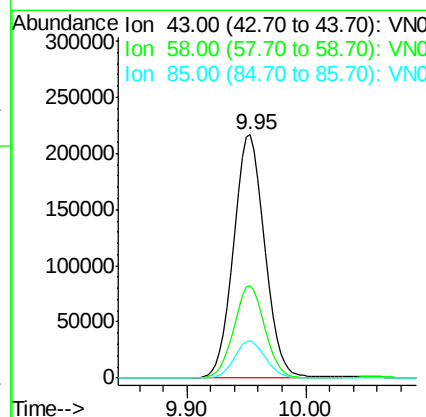
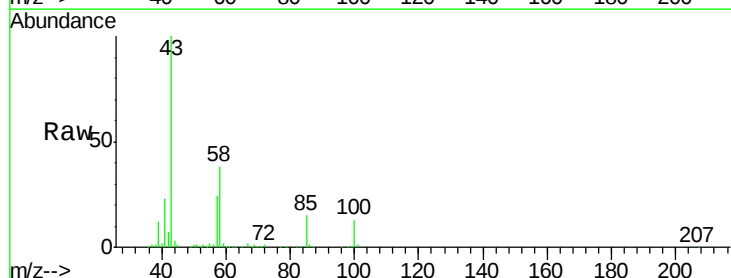
Manual Integrations
APPROVED

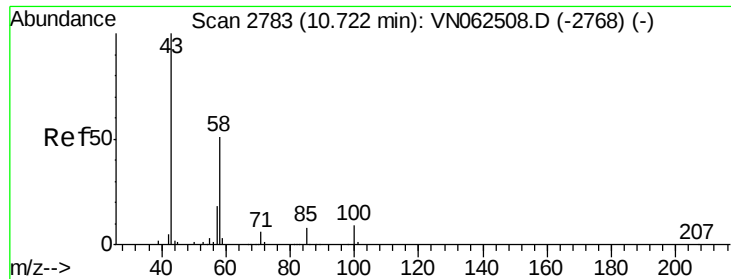
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#58
4-Methyl-2-Pentanone
Concen: 98.460 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	394874		
58	37.7	29.6	44.4	
85	15.3	12.0	18.0	





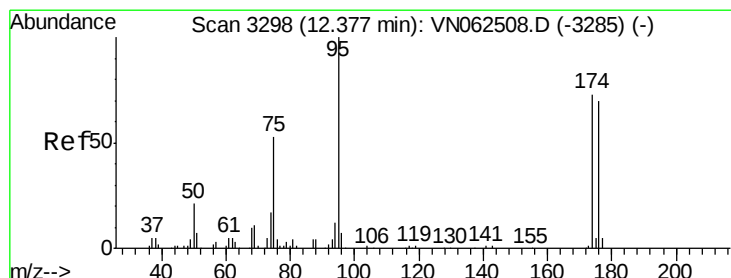
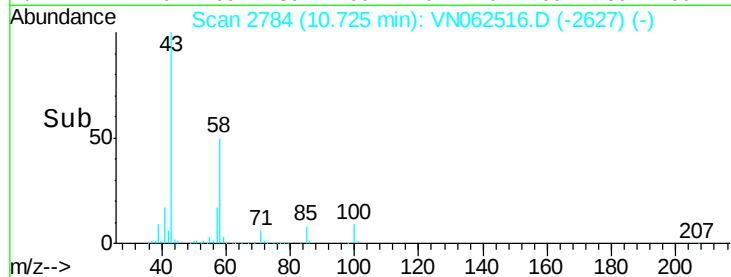
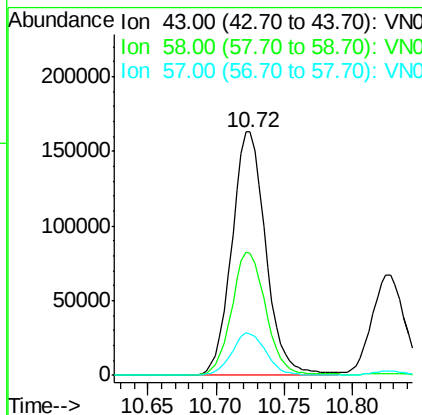
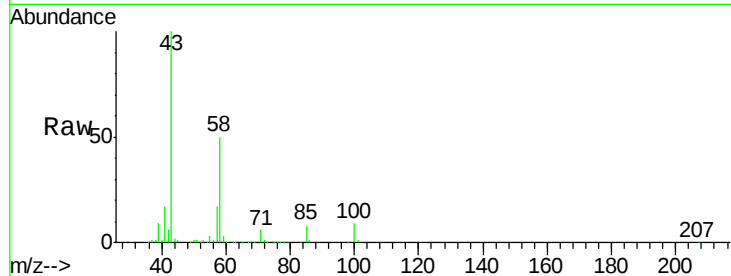
#59
 2-Hexanone
 Concen: 95.862 ug/l
 RT: 10.72 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	41.2	61.8
57	17.7	14.4	21.6

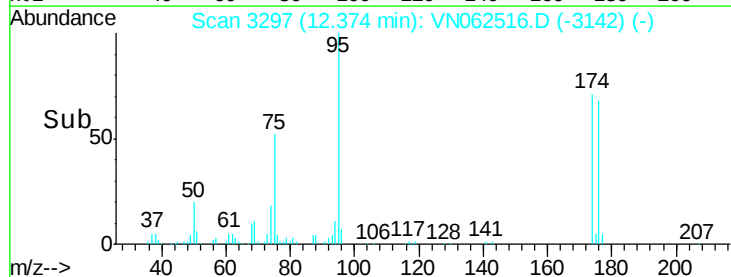
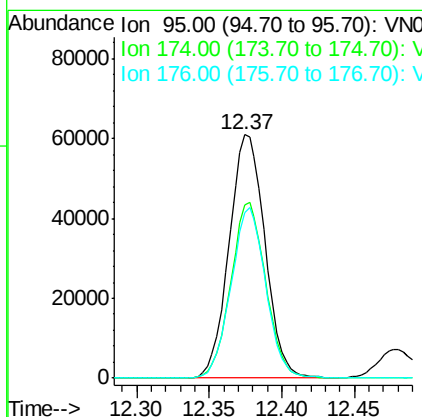
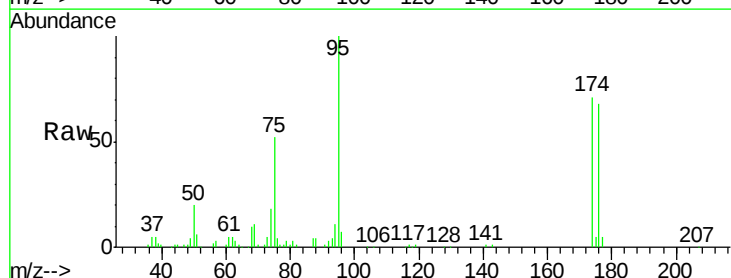
Manual Integrations
 APPROVED

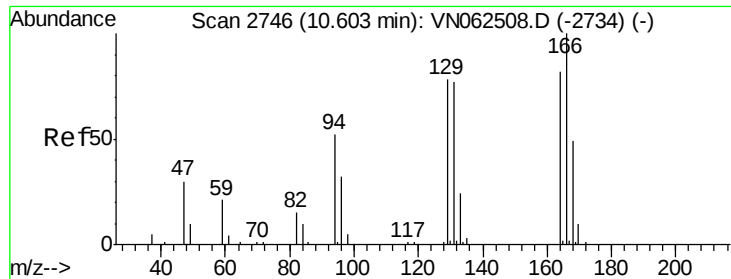
MMDadoda
 7/14/2020 11:36:55 AM



#60
 4-Bromofluorobenzene
 Concen: 29.851 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.2	57.5	86.3
176	67.8	56.3	84.5





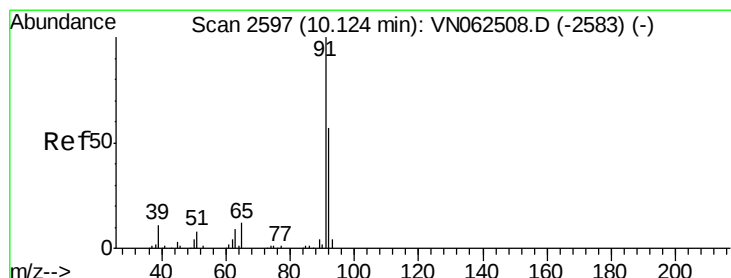
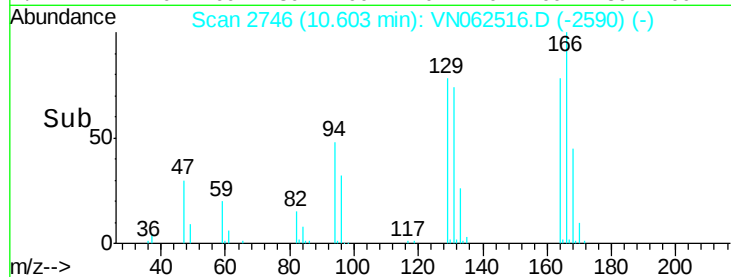
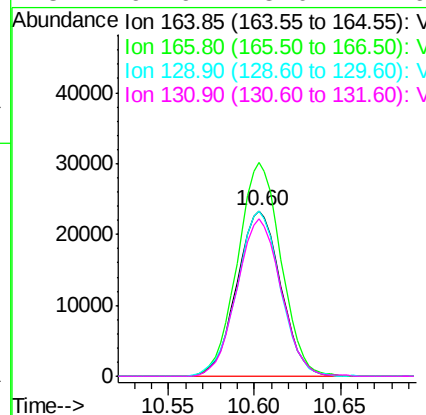
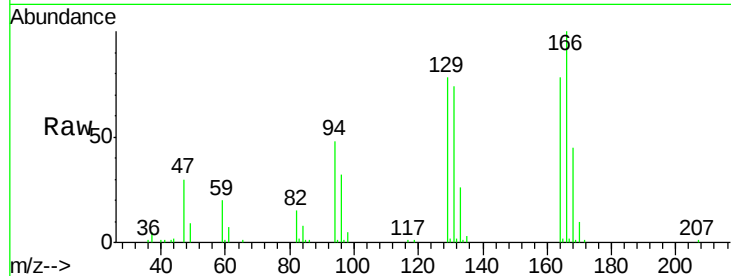
#61
Tetrachloroethene
Concen: 19.554 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.0	97.7	146.5
129	100.0	77.0	115.4
131	94.9	75.0	112.6

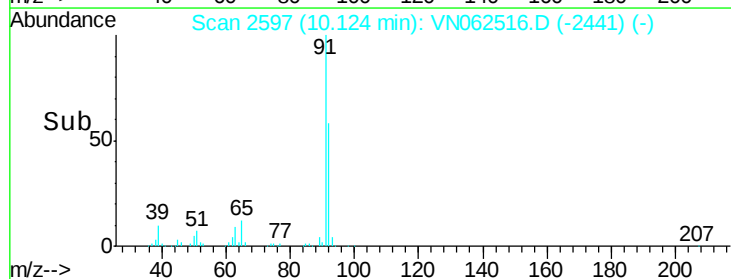
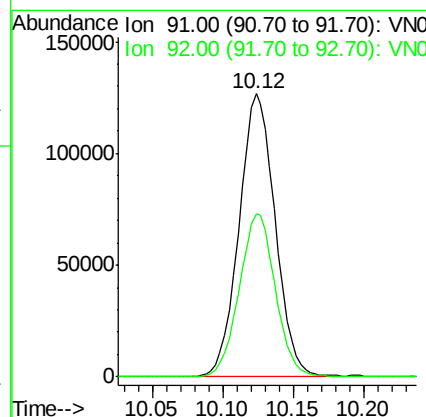
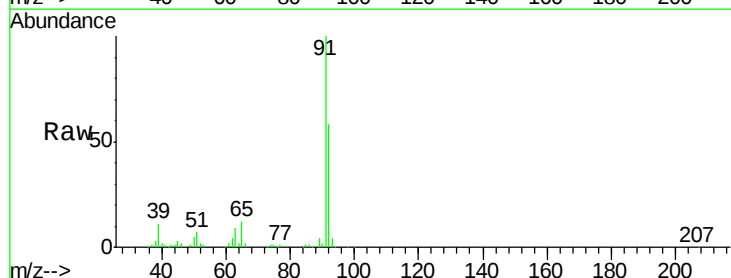
Manual Integrations
APPROVED

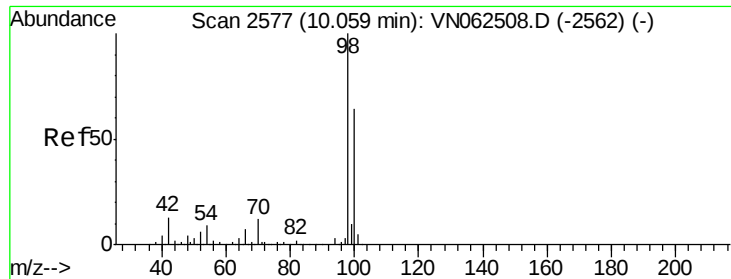
MMDadoda
7/14/2020 11:36:55 AM



#62
Toluene
Concen: 19.504 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.5	45.8	68.6





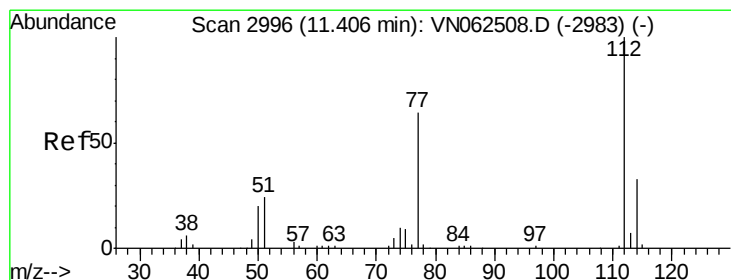
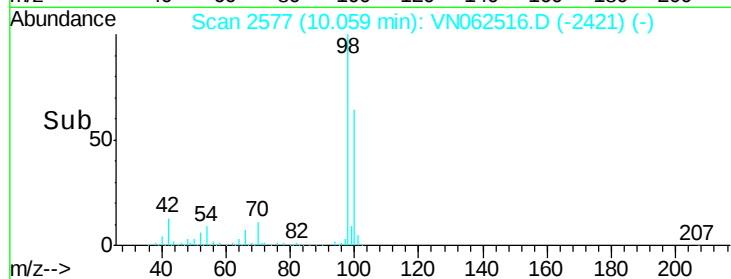
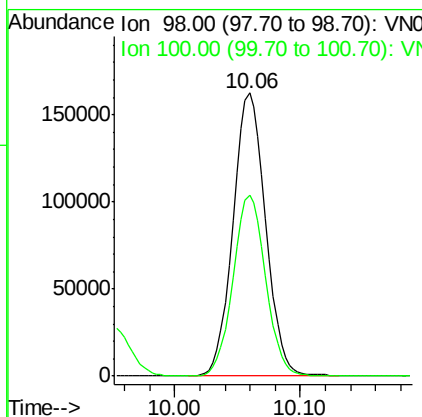
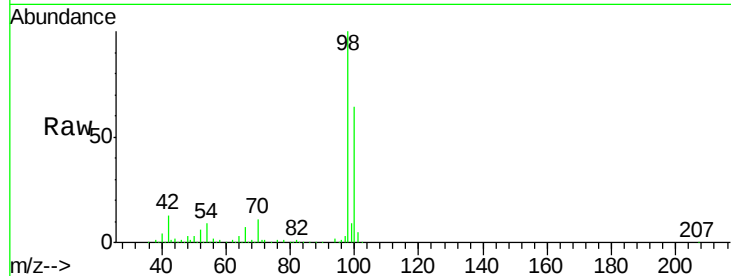
#63
Toluene-d8
Concen: 30.171 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion: 98 Resp: 293463
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6

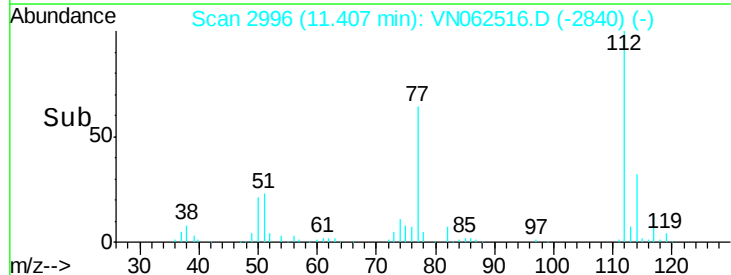
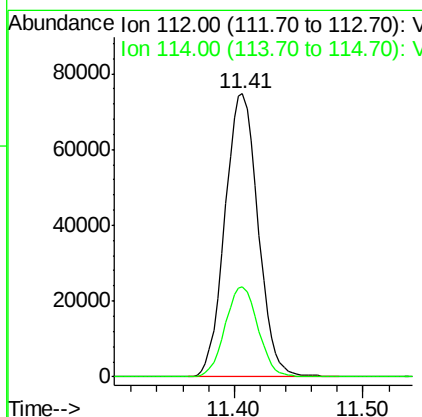
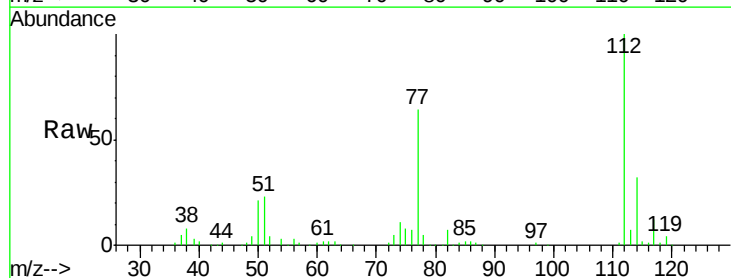
Manual Integrations
APPROVED

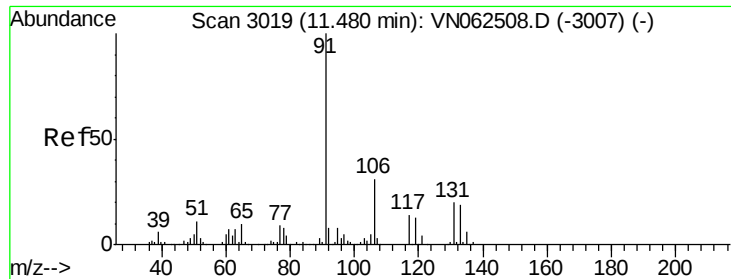
MMDadoda
7/14/2020 11:36:55 AM



#64
Chlorobenzene
Concen: 19.442 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion: 112 Resp: 133412
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.251 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

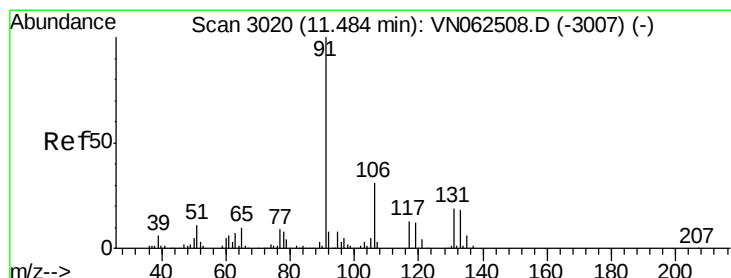
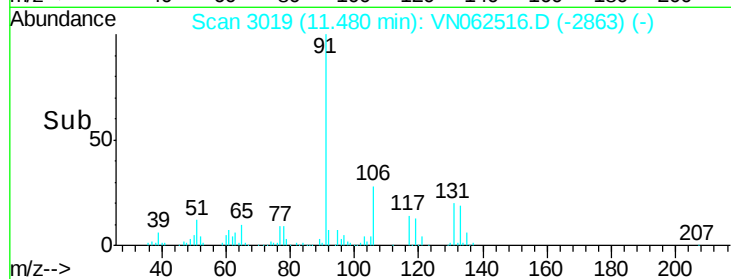
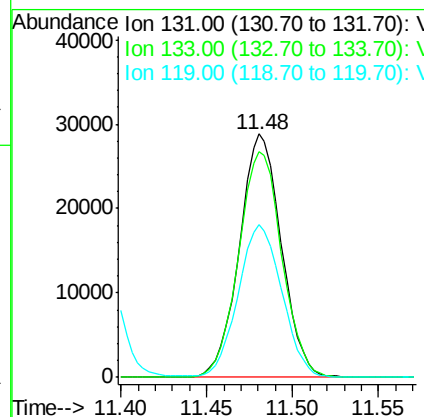
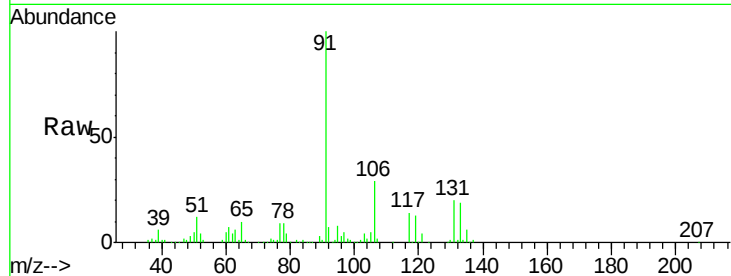
ClientSampleId :

VN0713WBS01

Tot Ion:	131	Resp:	48897
Ion	Ratio	Lower	Upper
131	100		
133	95.6	0.0	191.4
119	65.5	0.0	136.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.190 ug/l

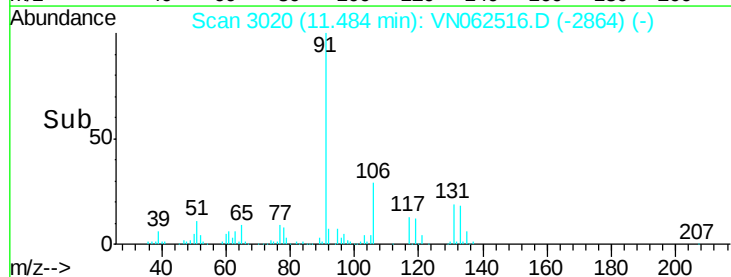
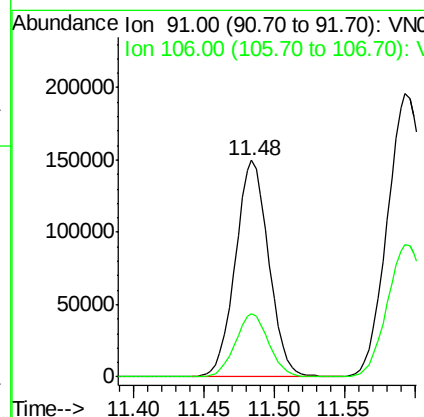
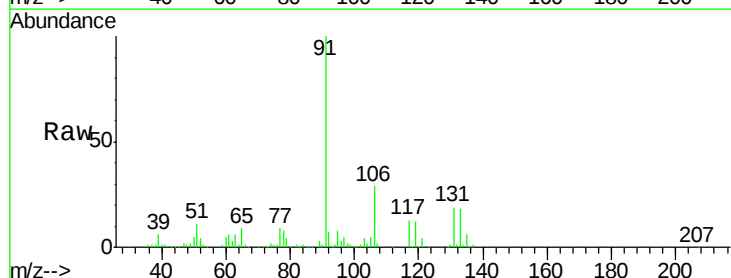
RT: 11.48 min Scan# 3020

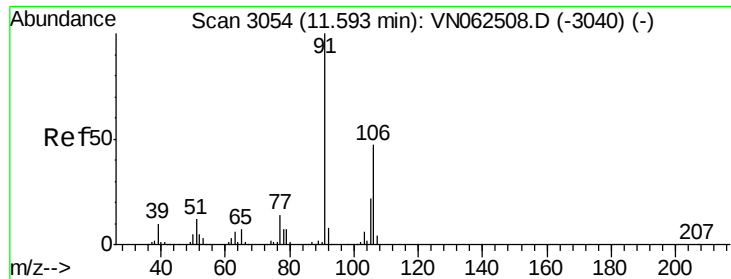
Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Tgt Ion:	91	Resp:	248151
Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.6	36.8





#67

m/p-Xylenes

Concen: 38.273 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

Tot Ion:106 Resp: 179639

Ion Ratio Lower Upper

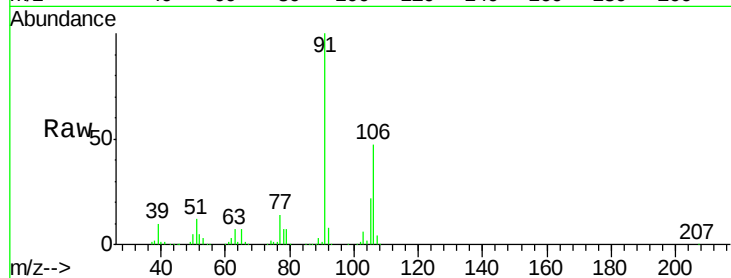
106 100

91 210.4 170.7 256.1

Manual Integrations
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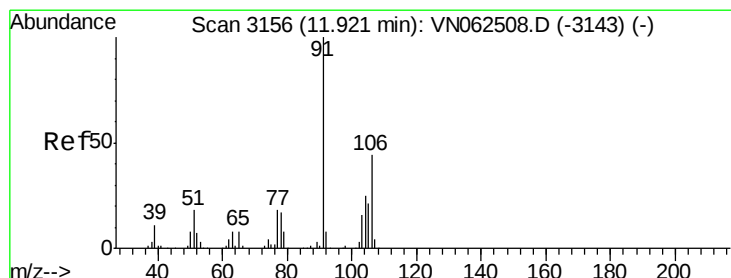
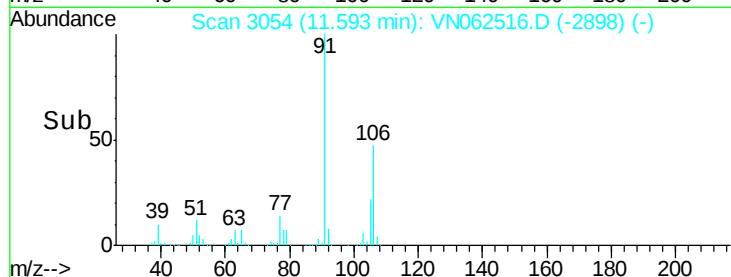
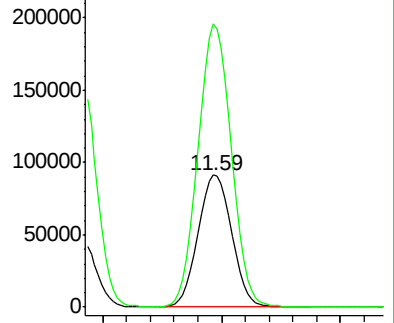
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 18.887 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN062516.D

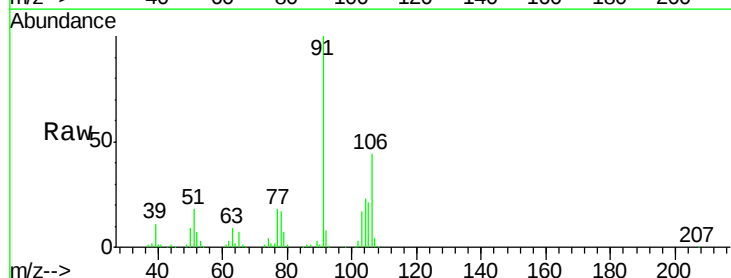
Acq: 13 Jul 2020 15:10

Tgt Ion:106 Resp: 85075

Ion Ratio Lower Upper

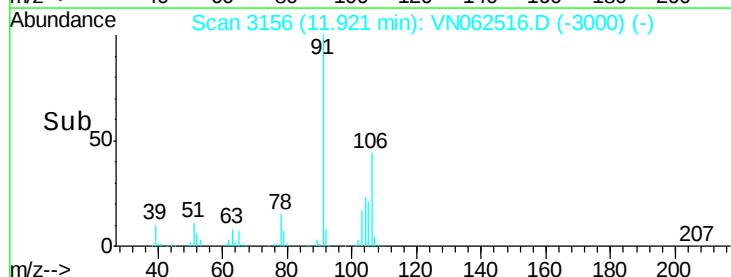
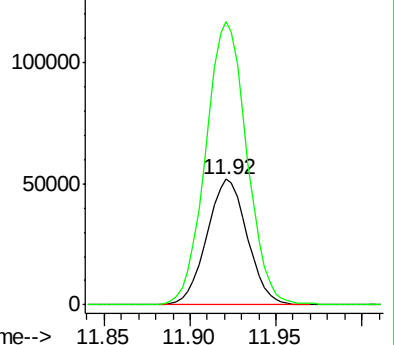
106 100

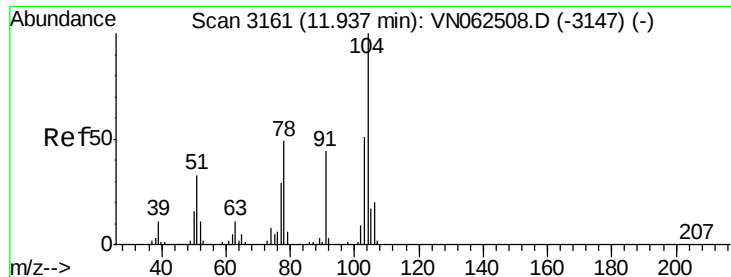
91 229.4 113.9 341.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





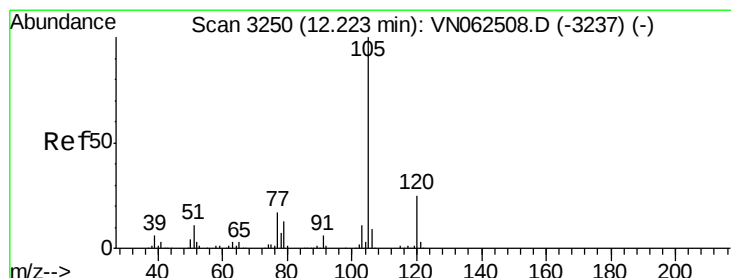
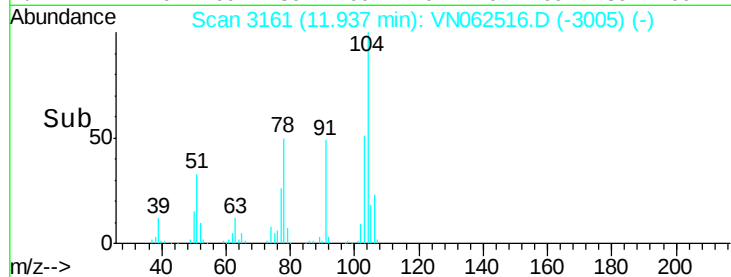
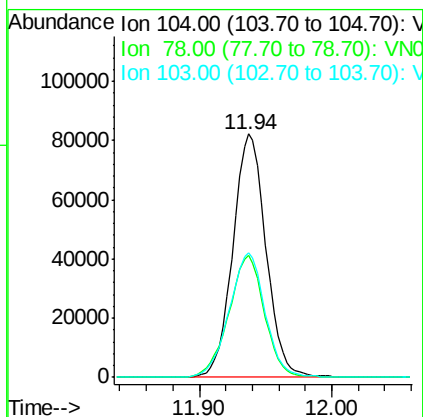
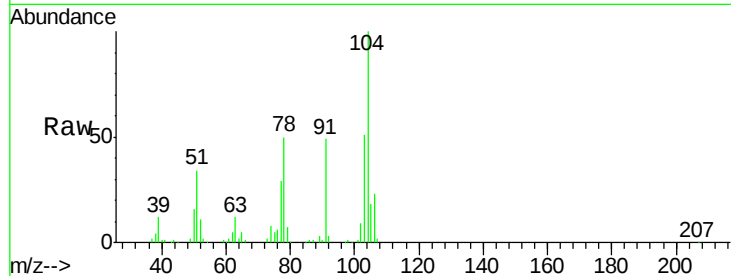
#69
Stvrene
Concen: 18.646 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampled :
VN0713WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	142551		
78	54.2		43.9	65.9
103	55.7		43.8	65.6

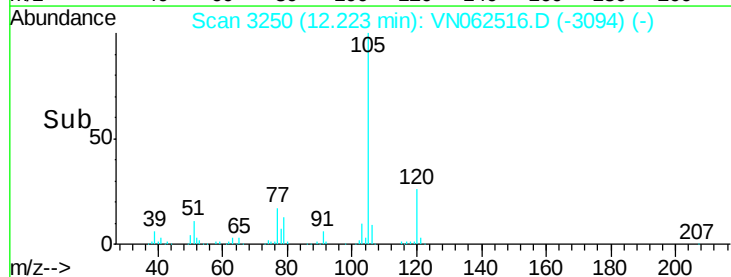
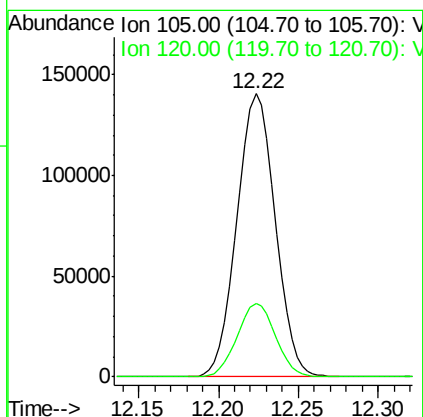
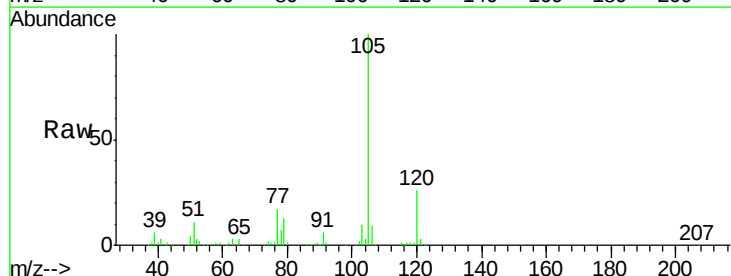
Manual Integrations
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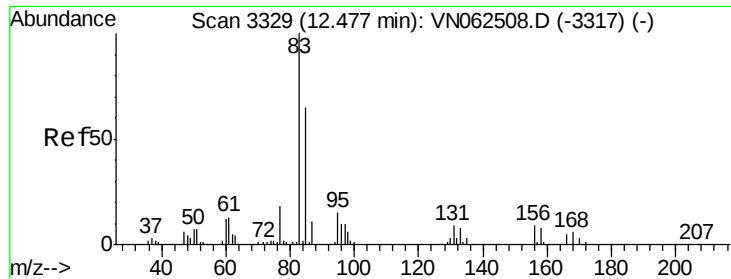
MMDadoda
7/14/2020 11:36:55 AM



#70
Isopropylbenzene
Concen: 18.970 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	229386		
120	26.0		17.6	32.8





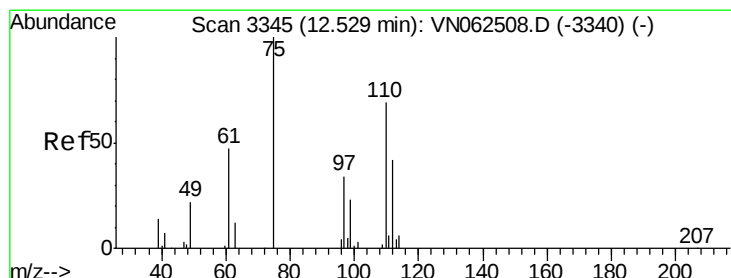
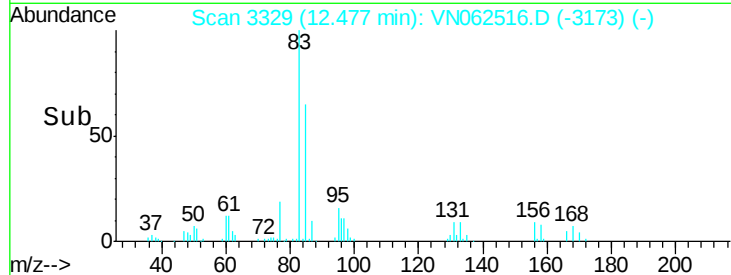
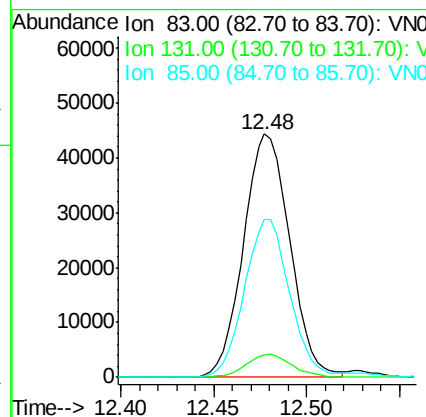
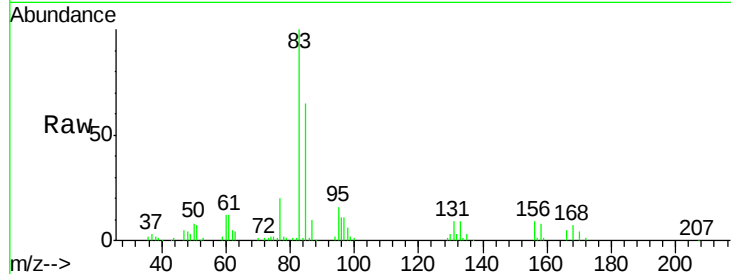
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.709 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.7
85	62.9	32.5	97.4

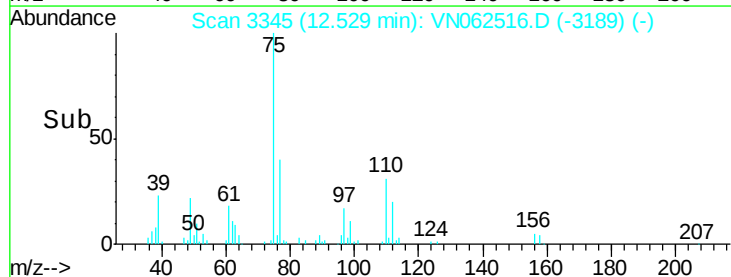
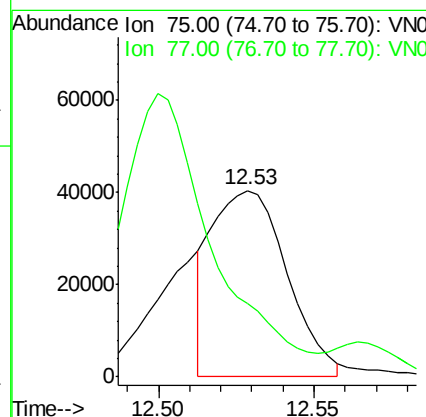
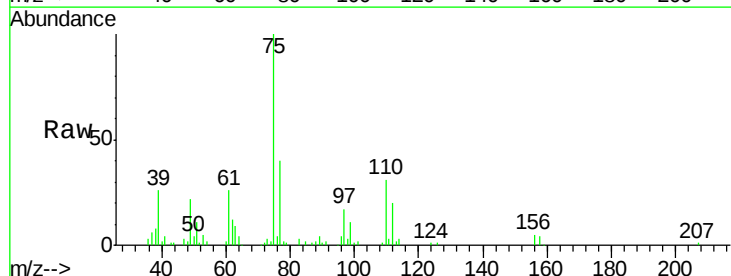
Manual Integrations
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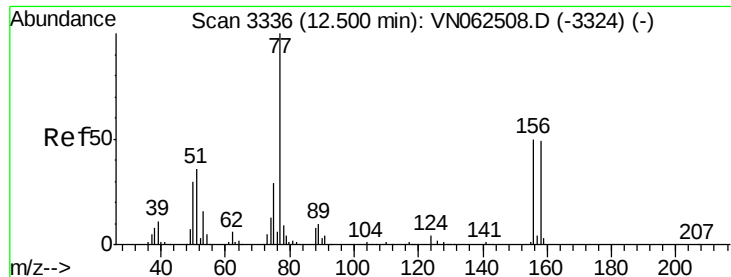
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 7/14/2020 11:36:55 AM



#72
 1,2,3-Trichloropropane
 Concen: 17.818 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	188.7	0.0	376.2





#73

Bromobenzene

Concen: 19.152 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

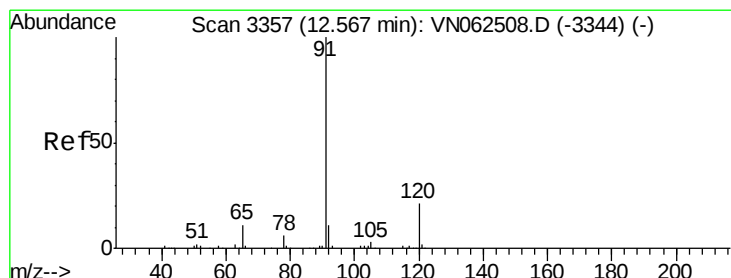
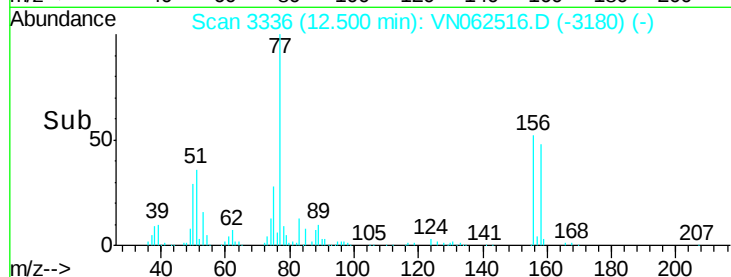
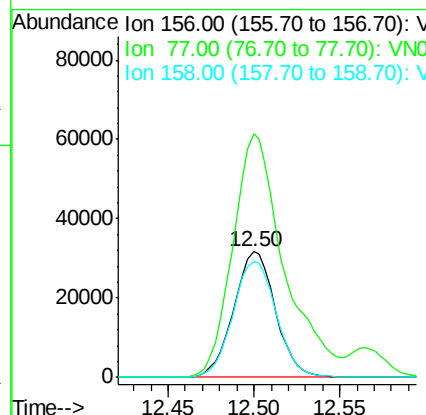
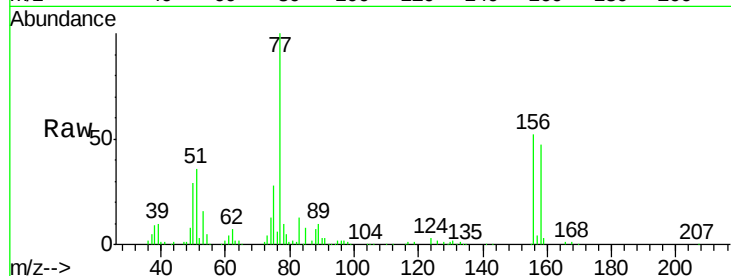
ClientSampleId :

VN0713WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	238.2	0.0	485.0
158	95.9	0.0	192.6

Manual Integrations
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#74

n-propylbenzene

Concen: 18.806 ug/l

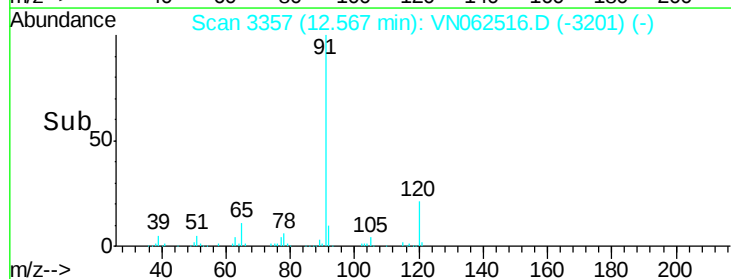
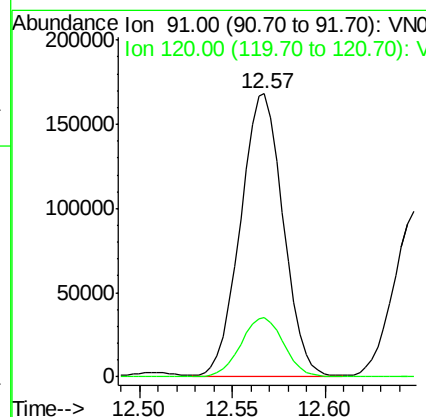
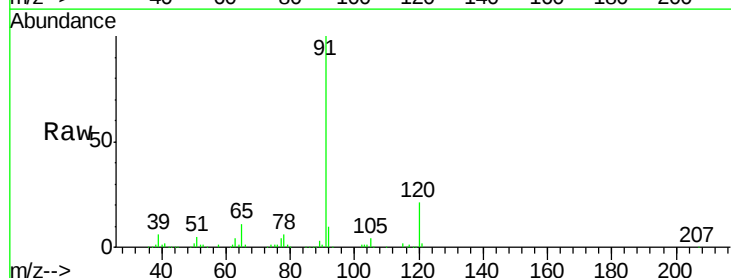
RT: 12.57 min Scan# 3357

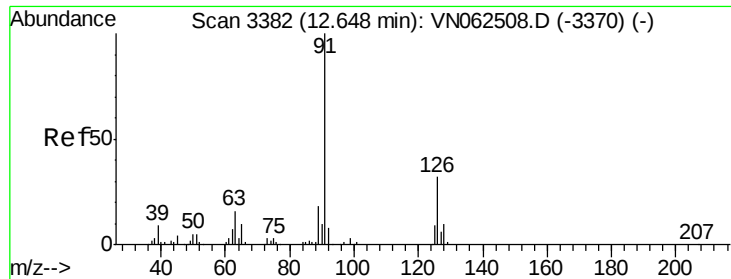
Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	0.0	42.8





#75

2-Chlorotoluene

Concen: 18.903 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampled :

VN0713WBS01

Tot Ion: 91 Resp: 163588

Ion Ratio Lower Upper

91 100

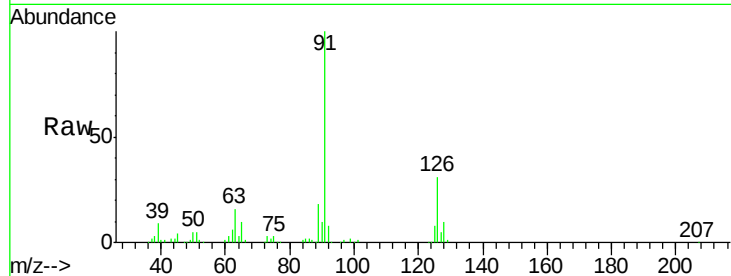
126 31.1 0.0 62.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN062516.D (-3226) (-)

Ion 126.00 (125.70 to 126.70): VN062516.D (-3226) (-)

150000

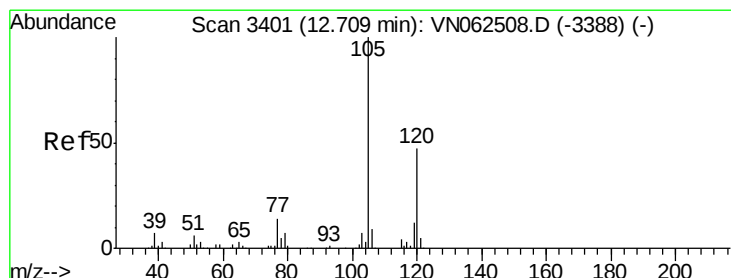
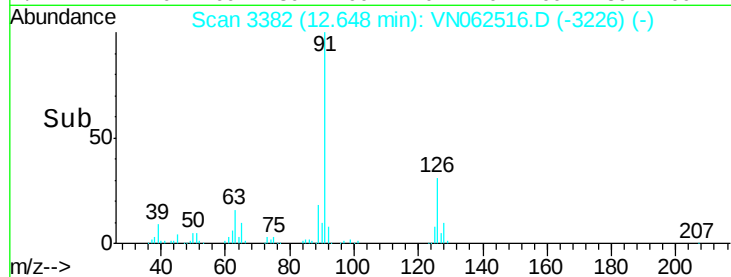
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 18.757 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062516.D

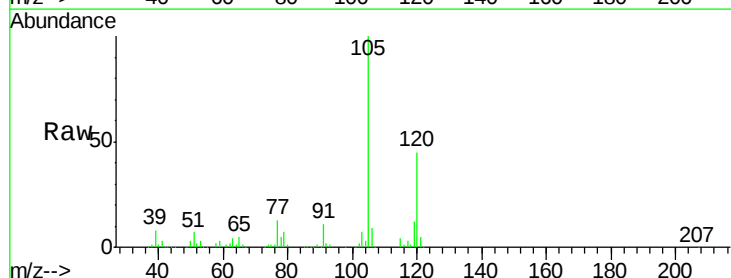
Acq: 13 Jul 2020 15:10

Tgt Ion: 105 Resp: 193251

Ion Ratio Lower Upper

105 100

120 46.4 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN062516.D (-3245) (-)

Ion 120.00 (119.70 to 120.70): VN062516.D (-3245) (-)

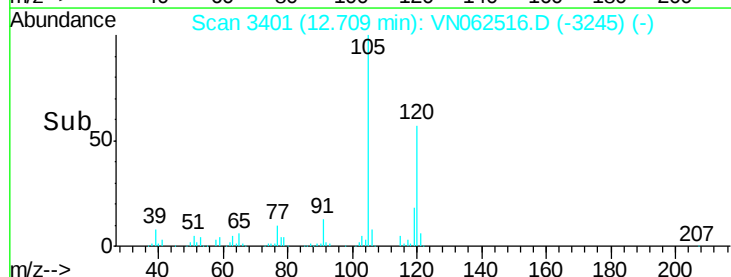
100000

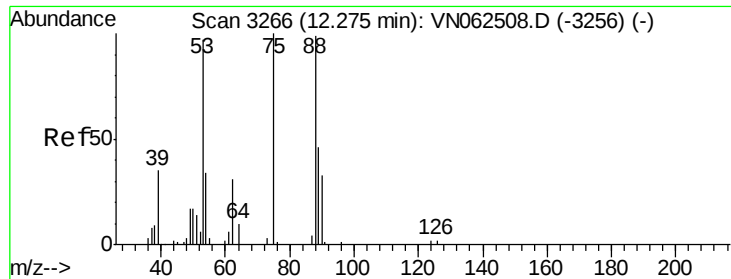
50000

0

12.70 12.71 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.844 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

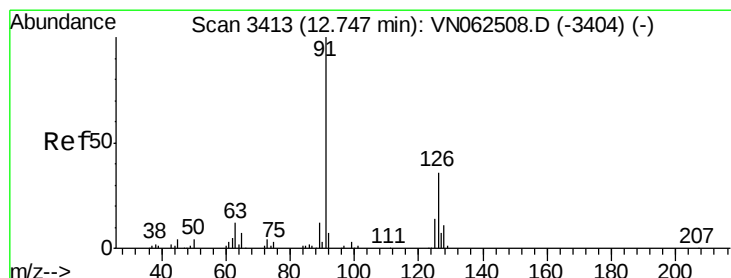
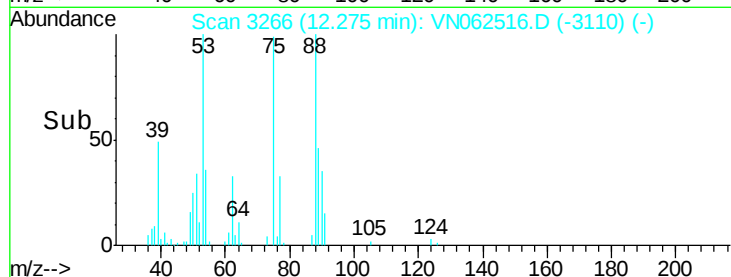
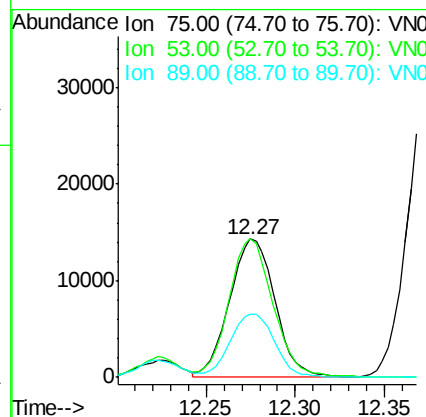
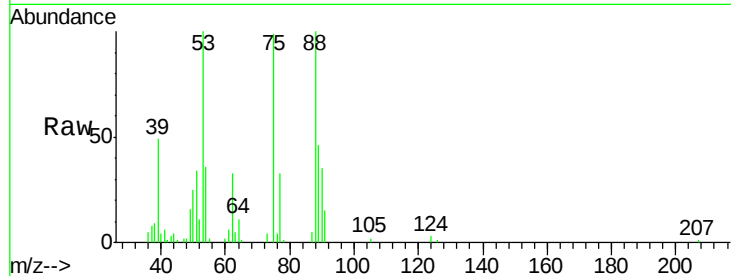
ClientSampleId :

VN0713WBS01

Tot Ion:	75	Resp:	25369
Ion Ratio	Lower	Upper	
75	100		
53	99.6	48.3	144.8
89	45.9	23.3	69.8

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#78

4-Chlorotoluene

Concen: 18.712 ug/l

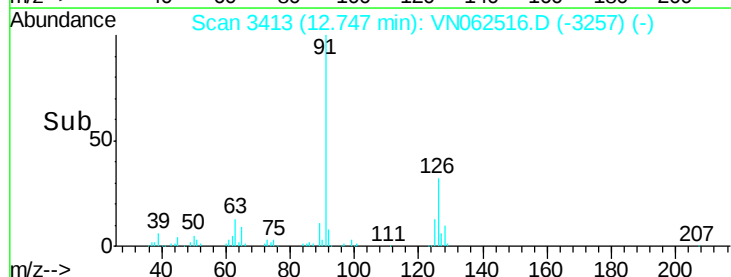
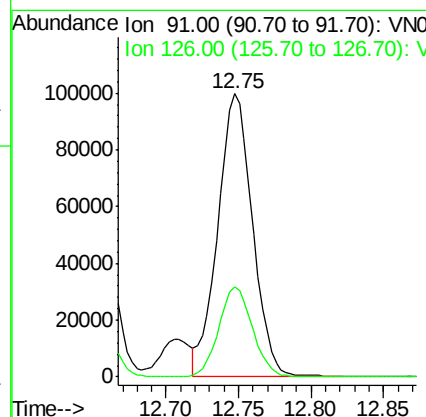
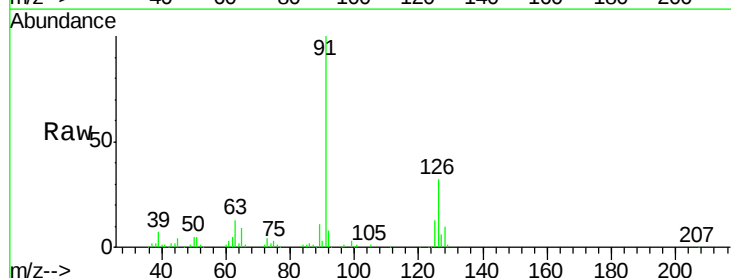
RT: 12.75 min Scan# 3413

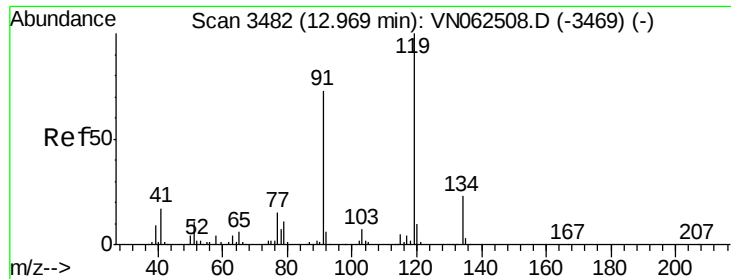
Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Tgt Ion:	91	Resp:	165234
Ion Ratio	Lower	Upper	
91	100		
126	31.1	0.0	62.2





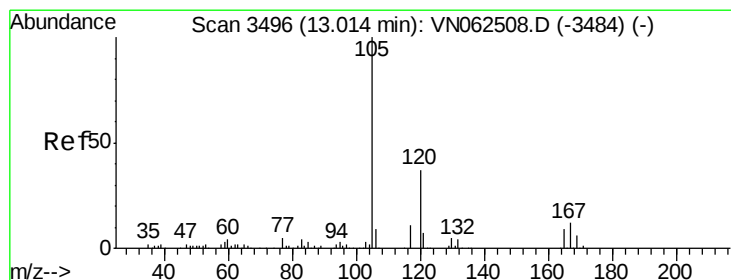
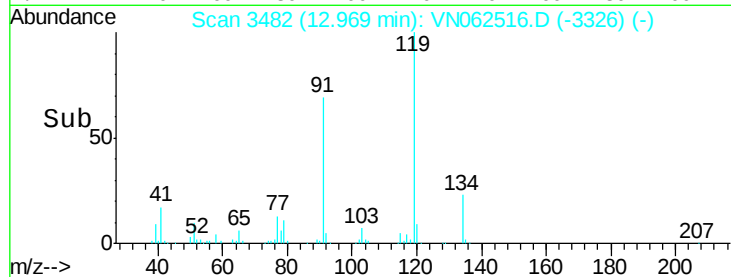
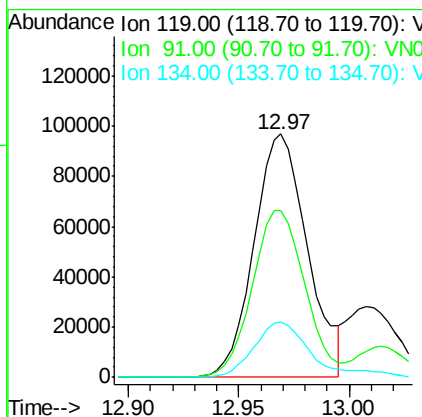
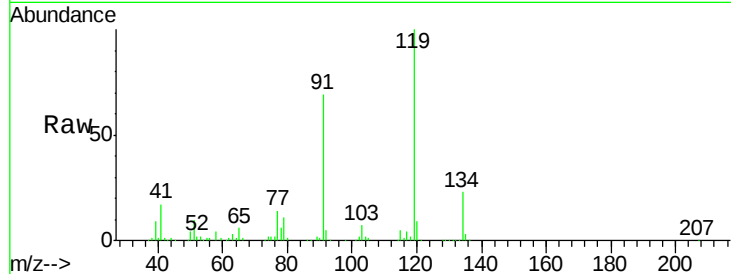
#79
tert-butylbenzene
Concen: 19.125 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	163166		
91	68.1	0.0	139.8	
134	24.6	0.0	45.0	

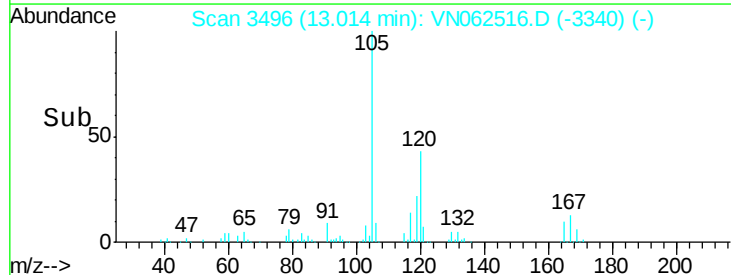
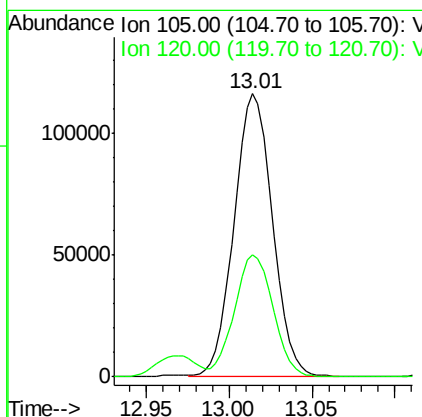
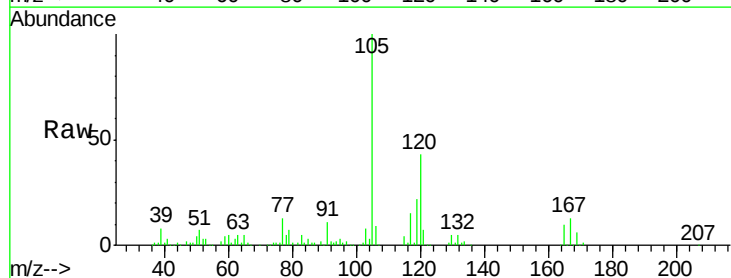
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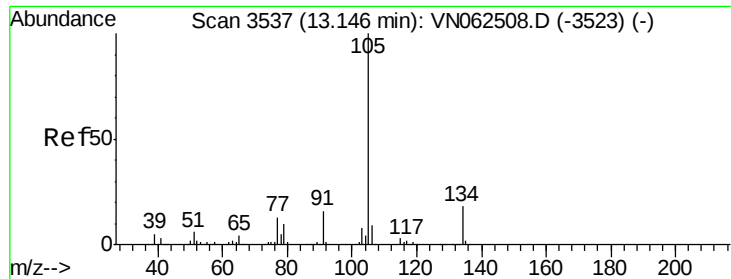
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#80
1,2,4-Trimethylbenzene
Concen: 18.401 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	186464		
120	43.8	0.0	86.6	





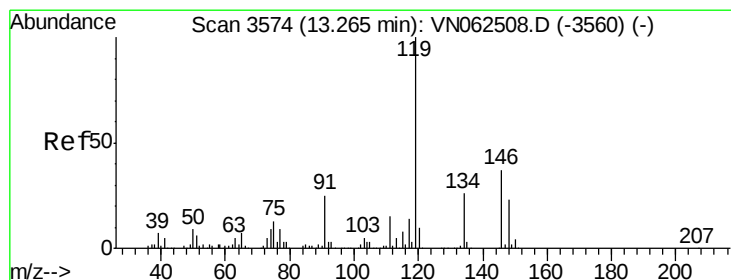
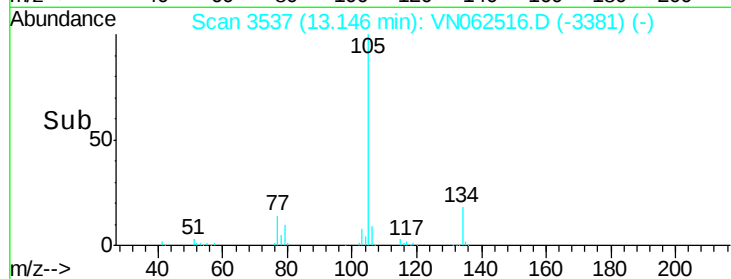
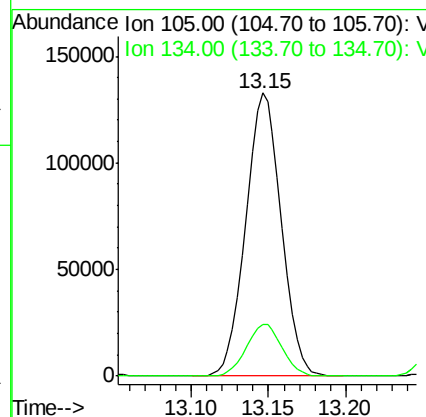
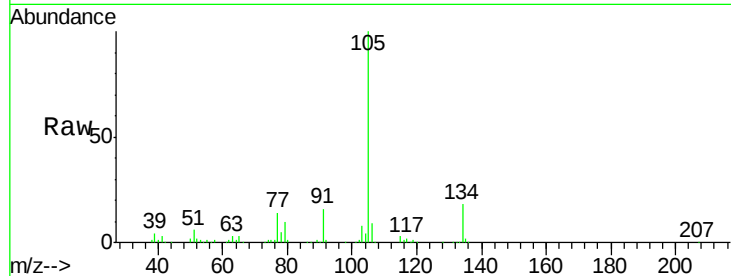
#81
 sec-Butylbenzene
 Concen: 18.412 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	0.0	37.2

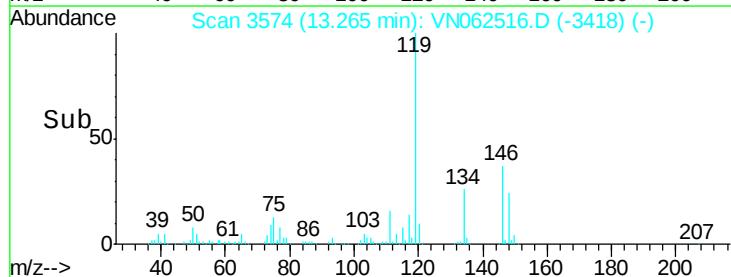
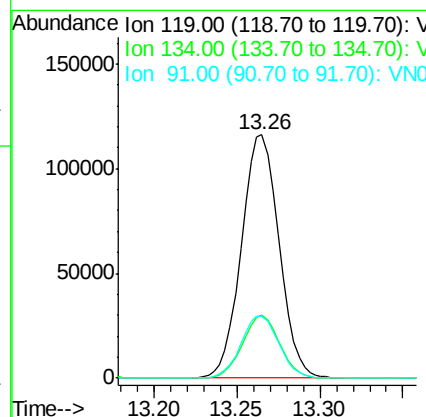
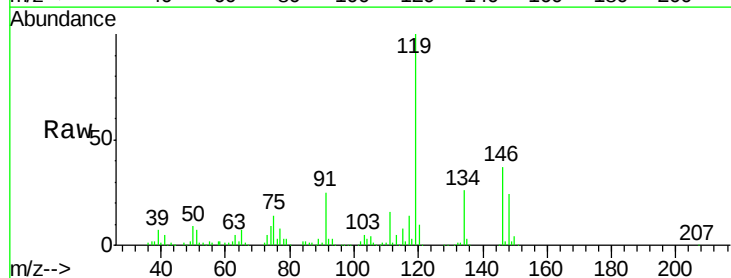
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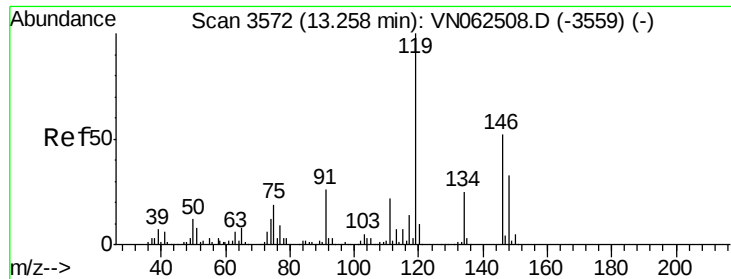
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#82
 p-Isopropyltoluene
 Concen: 18.153 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	50.8
91	25.8	0.0	51.2





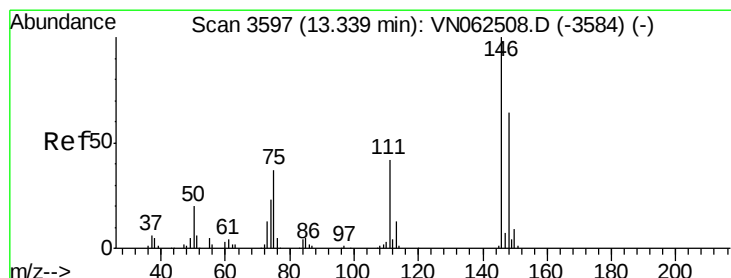
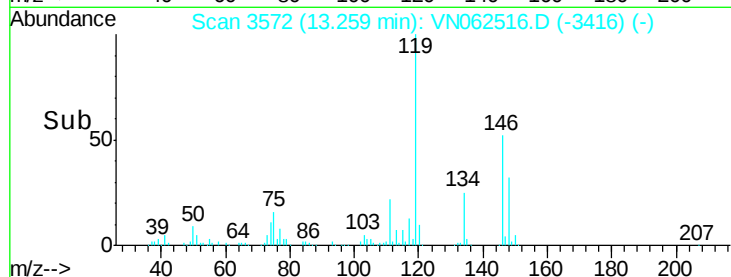
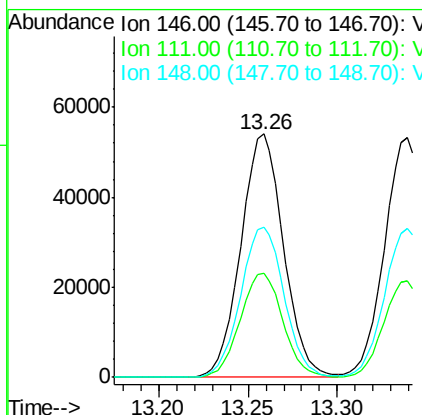
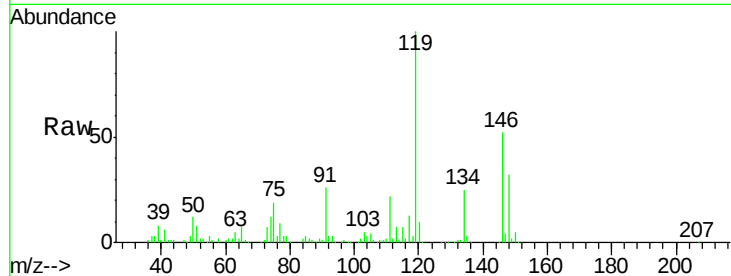
#83
 1,3-Dichlorobenzene
 Concen: 18.528 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.0	63.0
148	62.9	31.7	95.1

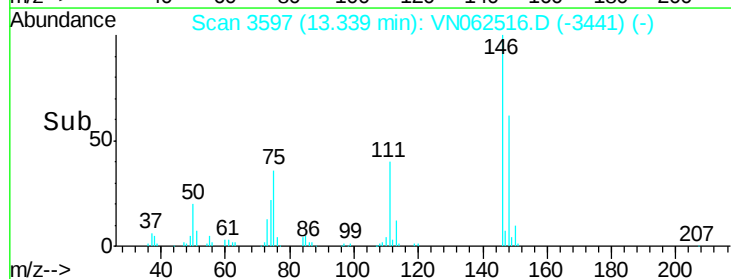
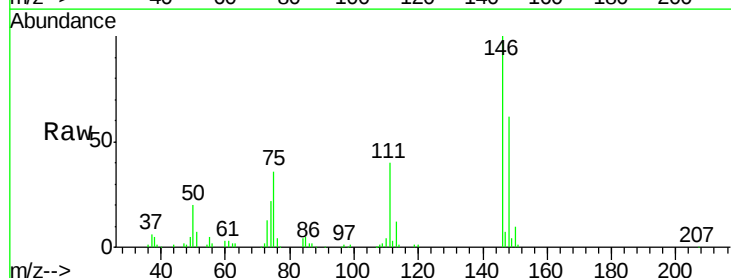
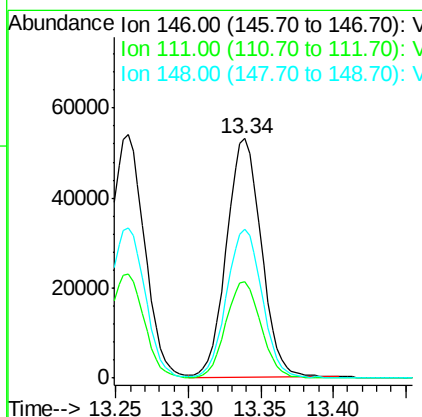
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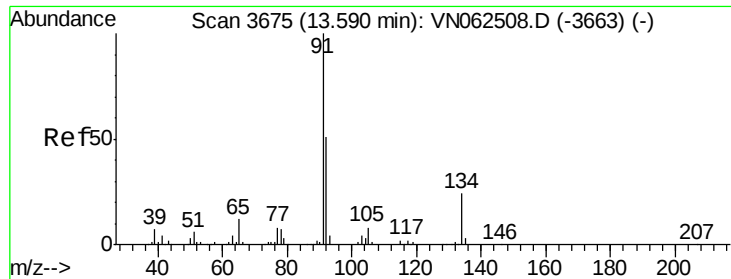
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 7/14/2020 11:36:55 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.465 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.4	64.2
148	62.5	32.4	97.2





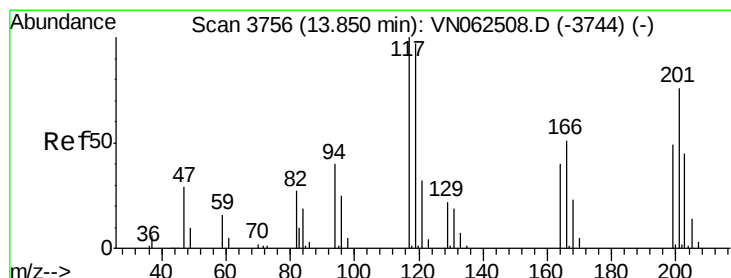
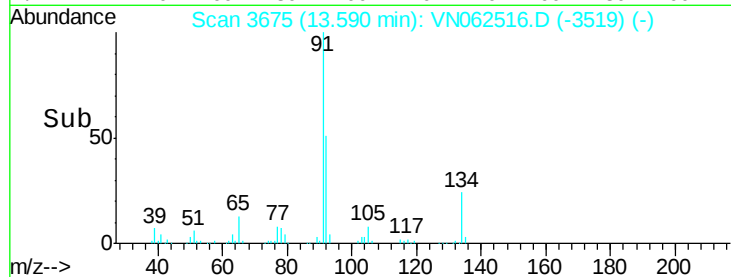
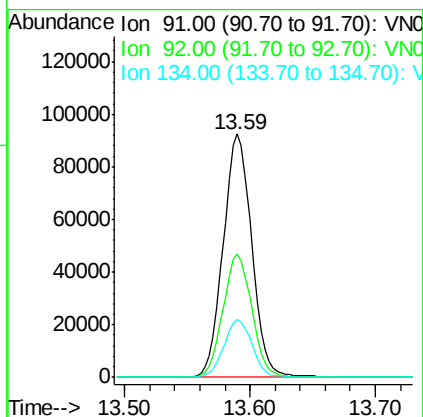
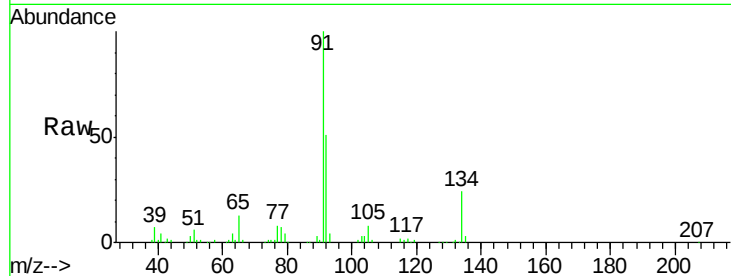
#85
n-Butylbenzene
Concen: 16.842 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	0.0	102.4
134	23.5	0.0	46.6

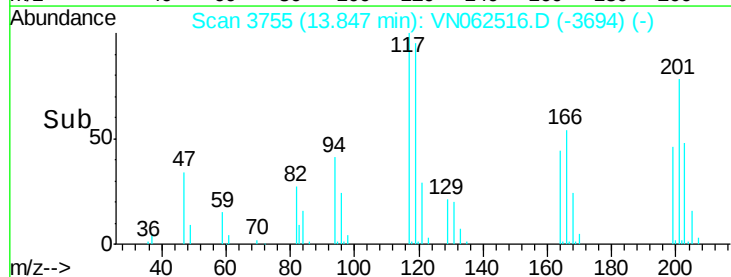
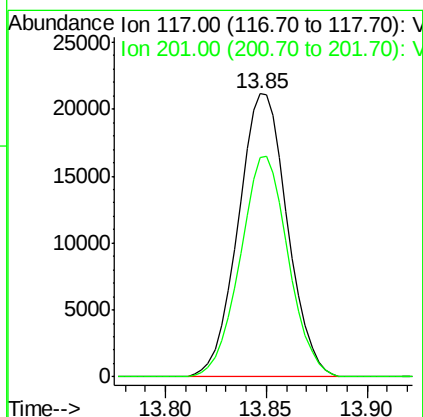
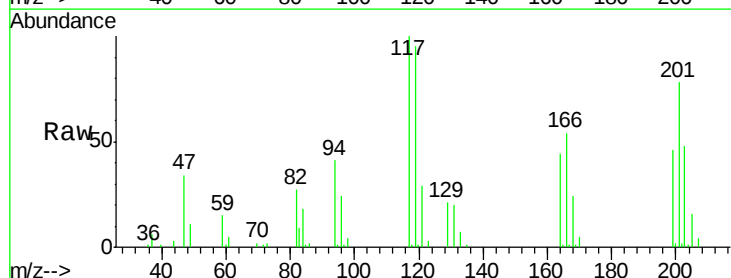
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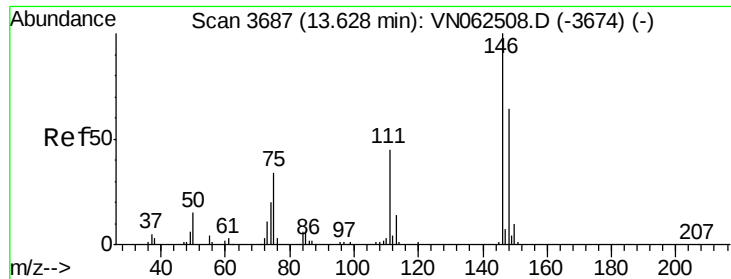
MMDadoda
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#86
Hexachloroethane
Concen: 18.487 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.4	37.4	112.2





#87

1,2-Dichlorobenzene

Concen: 18.754 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

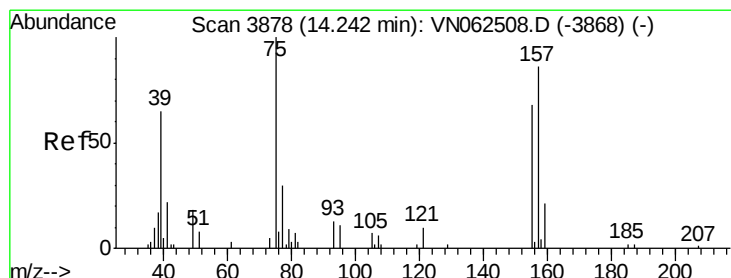
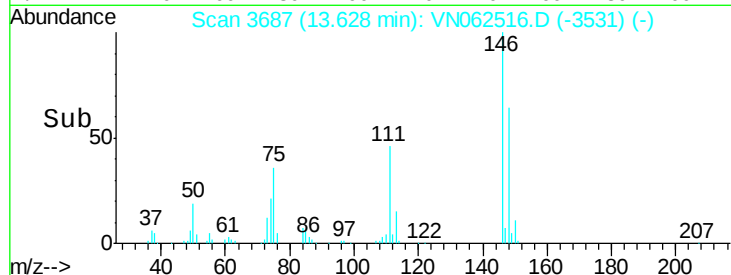
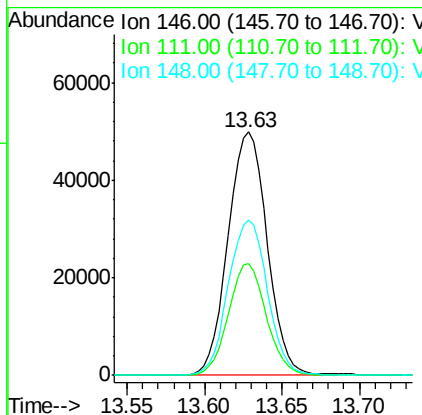
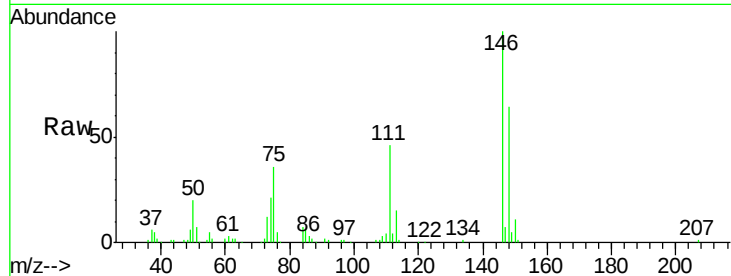
ClientSampleId :

VN0713WBS01

Tot Ion:	146	Resp:	87704
Ion Ratio	Lower	Upper	
146	100		
111	44.3	22.4	67.0
148	63.8	32.1	96.3

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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.682 ug/l

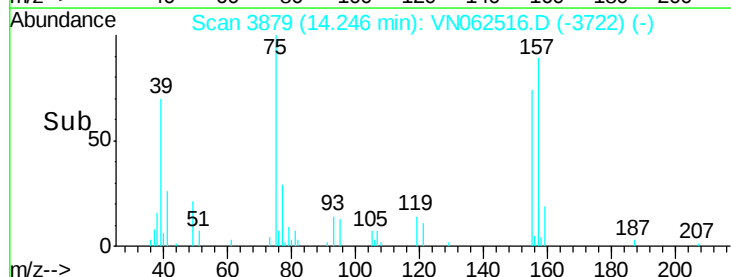
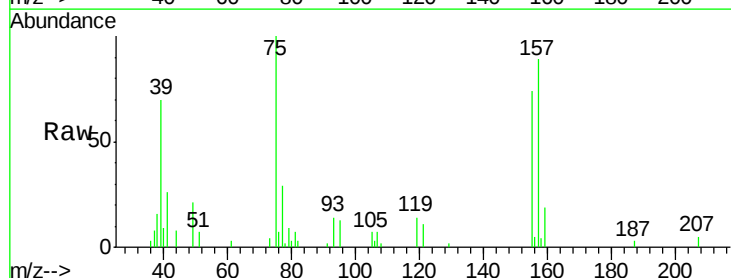
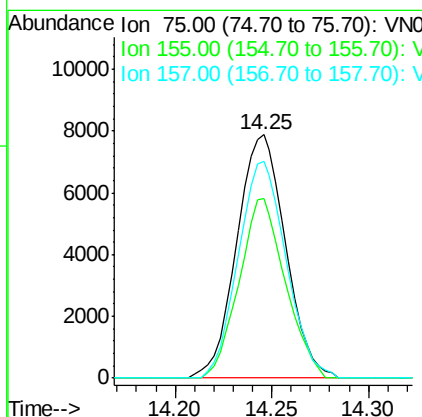
RT: 14.25 min Scan# 3879

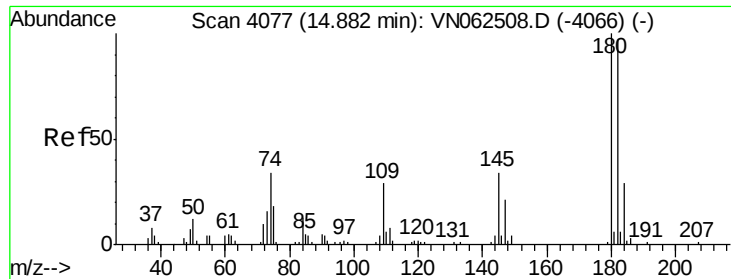
Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Tgt Ion:	75	Resp:	13788
Ion Ratio	Lower	Upper	
75	100		
155	69.9	55.7	83.5
157	87.6	71.0	106.6





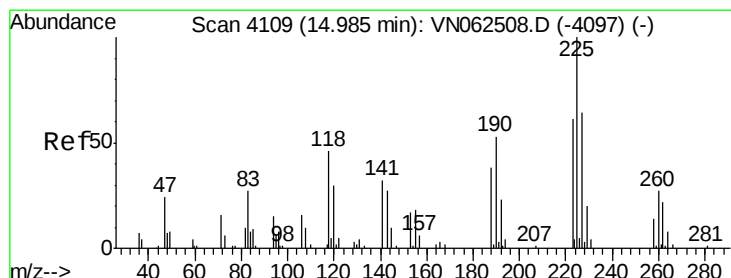
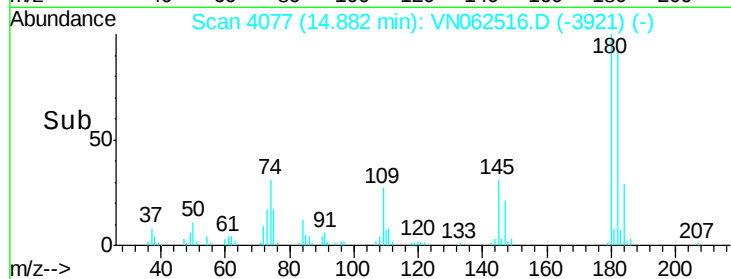
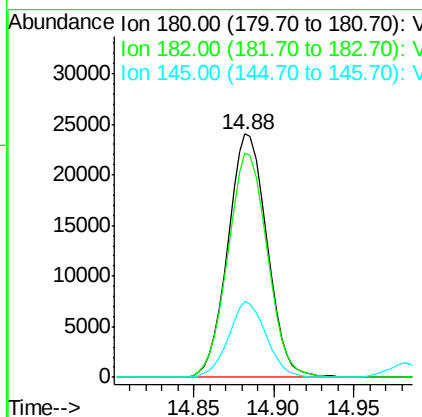
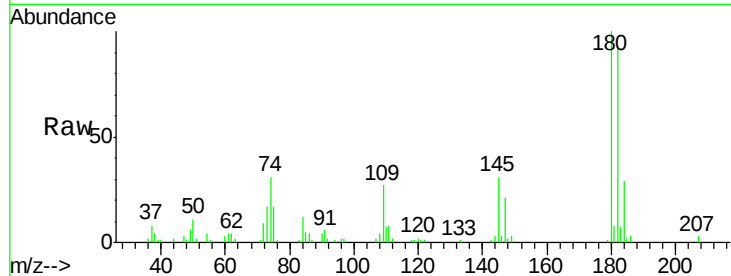
#89
1,2,4-Trichlorobenzene
Concen: 17.251 ug/l
RT: 14.88 min Scan# 4077
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	77.5	116.3
145	29.8	26.1	39.1

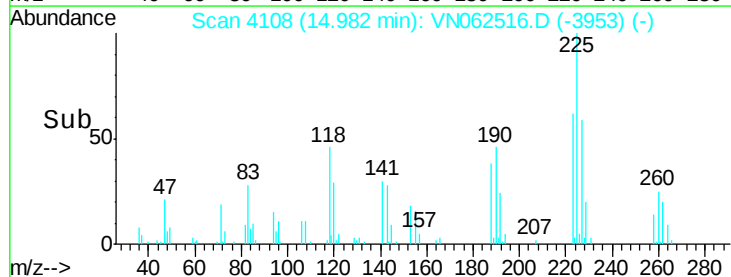
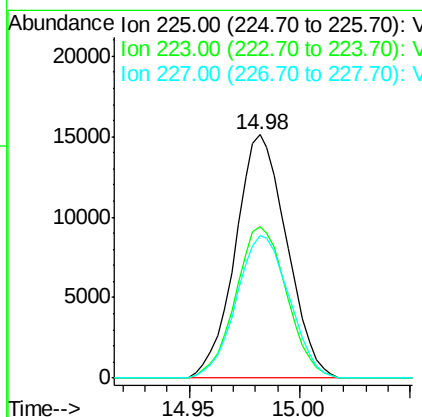
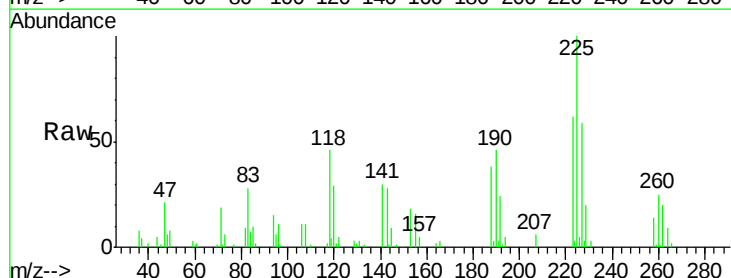
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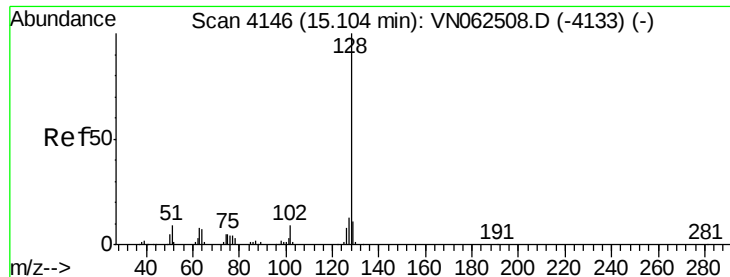
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#90
Hexachlorobutadiene
Concen: 18.974 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	0.0	120.4
227	60.1	0.0	129.6





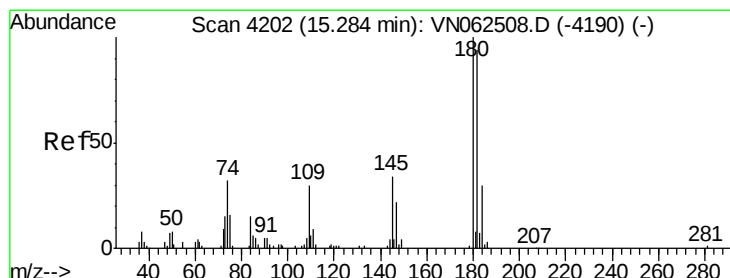
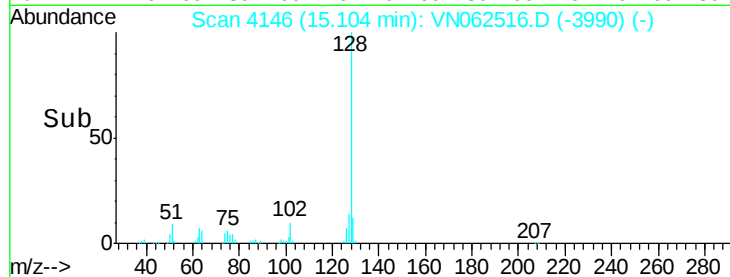
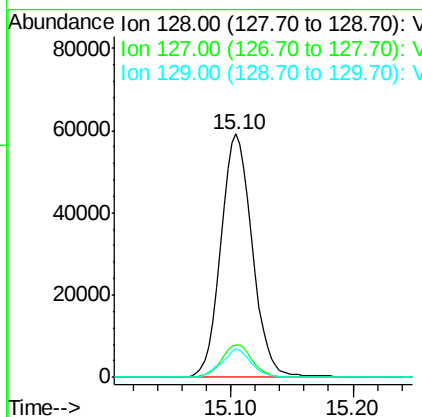
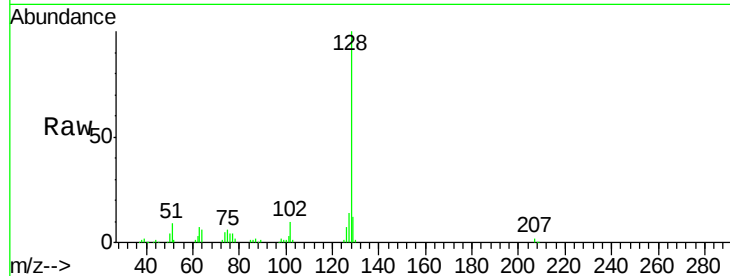
#91
Naphthalene
Concen: 16.945 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.0	15.0
129	11.0	8.8	13.2

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#92
1,2,3-Trichlorobenzene
Concen: 17.677 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	0.0	187.2
145	34.3	0.0	67.8

