

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062932.D
 Acq On : 14 Aug 2020 00:57
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081420

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:45:02 PM

Quant Time: Aug 14 06:34:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 06:20:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	28891	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	148948	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	147680	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	78614	30.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.53%
60) 4-Bromofluorobenzene	12.38	95	74665	28.71	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.70%
63) Toluene-d8	10.06	98	192936	27.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	93.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	53393	21.556	ug/l 97
3) Chloromethane	2.03	50	56463	26.318	ug/l 98
4) Vinyl Chloride	2.16	62	71189	31.409	ug/l 99
5) Bromomethane	2.52	94	41778	21.373	ug/l 98
6) Chloroethane	2.66	64	40082	20.392	ug/l 98
7) Trichlorofluoromethane	2.98	101	85624	19.375	ug/l 99
8) Diethyl Ether	3.37	74	18087	18.699	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	28289	19.457	ug/l 97
10) 1,1-Dichloroethene	3.69	96	25895	19.427	ug/l 94
11) Methyl Iodide	3.91	142	30663	16.562	ug/l 94
12) Methyl Acetate	4.28	43	41957	20.783	ug/l # 90
13) Acrolein	3.57	56	25156	97.528	ug/l 93
14) Acrylonitrile	4.93	53	87375	99.143	ug/l 96
15) Acetone	3.78	58	23861	101.369	ug/l 100
16) Carbon Disulfide	4.01	76	70349	18.505	ug/l 99
17) Allyl chloride	4.28	41	46578	20.284	ug/l 91
18) Methylene Chloride	4.50	84	34933	20.257	ug/l 95
19) trans-1,2-Dichloroethene	5.00	96	27271	18.319	ug/l 98
20) Diisopropyl ether	5.90	45	114075	21.222	ug/l 93
21) 1,1-Dichloroethane	5.80	63	63029	20.033	ug/l 97
22) cis-1,2-Dichloroethene	6.78	96	34917	19.617	ug/l # 87
23) tert-Butyl Alcohol	4.73	59	36176	95.947	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	110888	19.144	ug/l 100
25) Chloroform	7.33	83	66202	19.392	ug/l 99
26) Cyclohexane	7.62	56	54690	20.532	ug/l # 94
29) 1,1-Dichloropropene	7.75	75	44182	20.109	ug/l 98
30) 2-Butanone	6.79	43	112452	99.145	ug/l 99
31) 2,2-Dichloropropane	6.77	77	39115	17.879	ug/l # 78
32) 1,1,1-Trichloroethane	7.53	97	60951	20.247	ug/l 96
33) Carbon Tetrachloride	7.73	117	52185	19.549	ug/l 96
34) Benzene	8.00	78	133338	20.187	ug/l 98
35) Methacrylonitrile	7.13	41	20763	20.635	ug/l 84
36) 1,2-Dichloroethane	8.09	62	57440	20.023	ug/l 99
37) Trichloroethene	8.80	130	30761	18.777	ug/l 90
38) Methylcyclohexane	9.05	83	48802	18.570	ug/l 99
39) 1,2-Dichloropropane	9.09	63	35822	19.869	ug/l 98
40) Dibromomethane	9.18	93	24343	19.934	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	54000	19.702	ug/l	99
42) Vinyl Acetate	5.84	43	390545	101.870	ug/l	99
43) Ethyl Acetate	6.88	43	43525	19.536	ug/l #	86
44) Isopropyl Acetate	8.13	43	73586	20.226	ug/l	99
45) 1,4-Dioxane	9.17	88	13497	378.808	ug/l	90
46) Methyl methacrylate	9.17	41	36763	20.207	ug/l	96
47) n-amyl Acetate	12.05	43	62876	19.372	ug/l	99
48) t-1,3-Dichloropropene	10.36	75	56031	19.569	ug/l	93
49) cis-1,3-Dichloropropene	9.81	75	57156	19.865	ug/l	97
50) 1,1,2-Trichloroethane	10.54	97	35853	20.428	ug/l	99
51) Ethyl methacrylate	10.40	69	53006	19.839	ug/l	97
52) 1,3-Dichloropropane	10.68	76	62639	20.656	ug/l	97
53) Dibromochloromethane	10.88	129	41658	19.856	ug/l	100
54) 1,2-Dibromoethane	10.98	107	37821	21.058	ug/l	94
55) 2-Chloroethyl vinyl ether	9.66	63	54792	84.741	ug/l	97
56) Bromoform	12.10	173	30067	20.191	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	233473	90.855	ug/l	100
59) 2-Hexanone	10.72	43	189904	101.210	ug/l	99
61) Tetrachloroethene	10.60	164	28622	18.747	ug/l	95
62) Toluene	10.12	91	138725	17.816	ug/l	99
64) Chlorobenzene	11.41	112	93182	19.076	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.48	131	38435	19.028	ug/l	97
66) Ethyl Benzene	11.48	91	161653	18.648	ug/l	99
67) m/p-Xylenes	11.60	106	125346	39.062	ug/l	98
68) o-Xylene	11.92	106	59599	19.348	ug/l	95
69) Styrene	11.94	104	102180	18.682	ug/l	99
70) Isopropylbenzene	12.22	105	164609	18.777	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	57428	19.902	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	55705m	19.494	ug/l	
73) Bromobenzene	12.50	156	40643	18.909	ug/l	99
74) n-propylbenzene	12.57	91	188232	18.607	ug/l	100
75) 2-Chlorotoluene	12.65	91	116442	18.335	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	142387	18.268	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	16195	17.600	ug/l	96
78) 4-Chlorotoluene	12.75	91	117113	18.131	ug/l	98
79) tert-butylbenzene	12.97	119	119204	18.515	ug/l	99
80) 1,2,4-Trimethylbenzene	13.02	105	139669	18.336	ug/l	100
81) sec-Butylbenzene	13.15	105	155908	18.343	ug/l	98
82) p-Isopropyltoluene	13.26	119	137955	18.153	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	69500	18.451	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	67294	18.197	ug/l	97
85) n-Butylbenzene	13.59	91	106058	16.371	ug/l	98
86) Hexachloroethane	13.85	117	27741	16.850	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	67883	17.461	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.25	75	11374	16.713	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	27777	15.513	ug/l	98
90) Hexachlorobutadiene	14.99	225	21213	17.732	ug/l	95
91) Naphthalene	15.10	128	79079	16.315	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	29435	16.416	ug/l	98

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QLast Update : Fri Aug 14 06:20:27 2020
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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

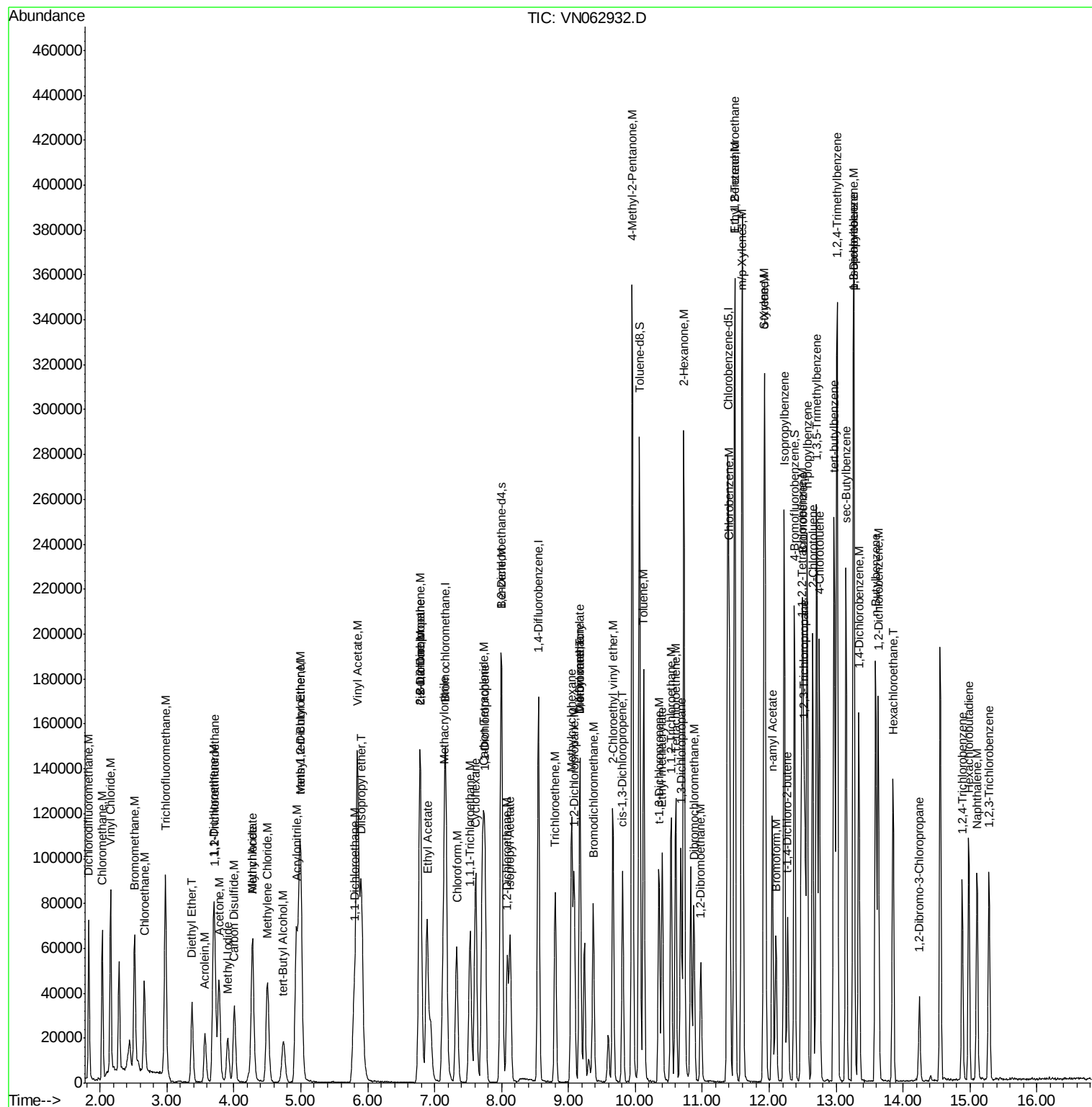
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
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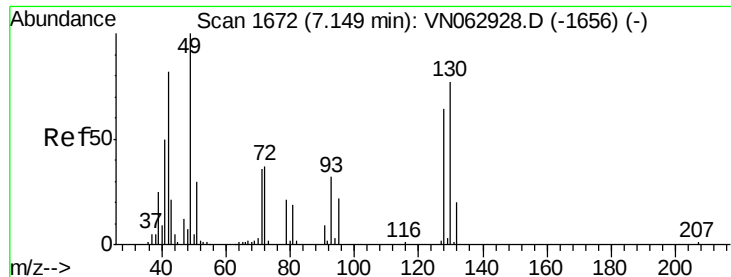
Instrument :
MSVOA_N
ClientSampleId :
ICVVN081420

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

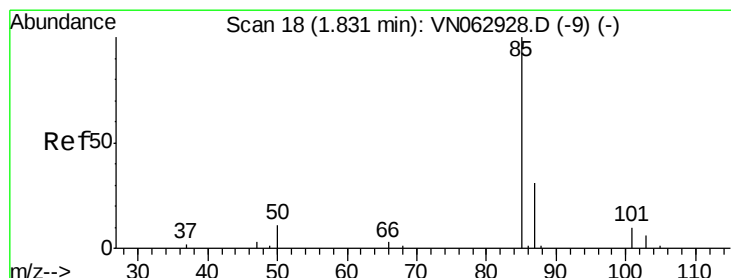
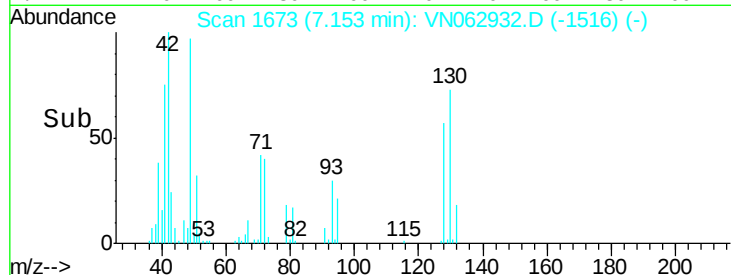
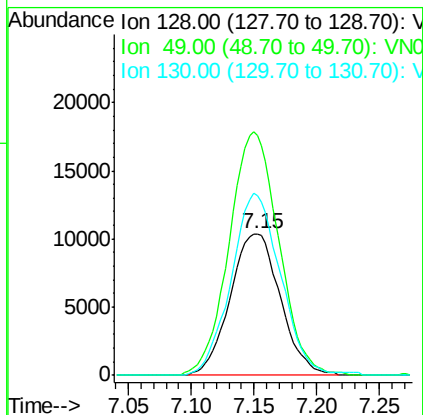
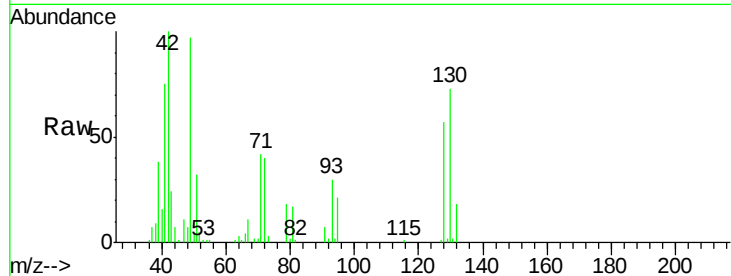
ClientSampleId :

ICVVN081420

Tot Ion:	128	Resp:	28891
Ion	Ratio	Lower	Upper
128	100		
49	169.8	0.0	410.0
130	126.2	0.0	316.5

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 21.556 ug/l

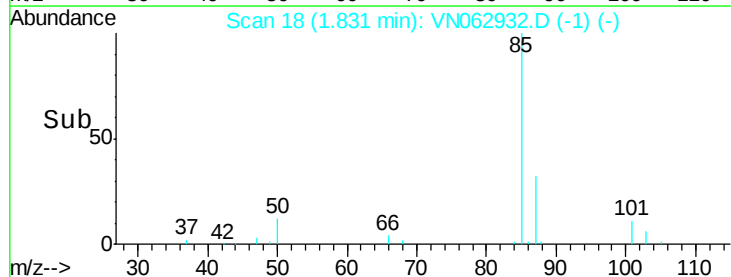
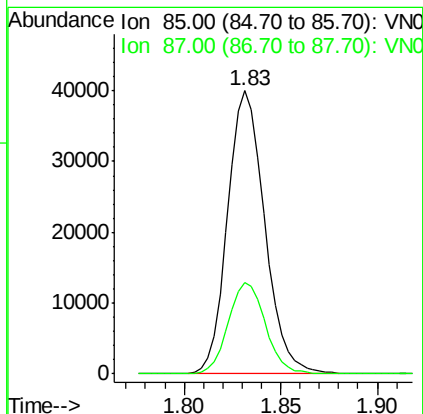
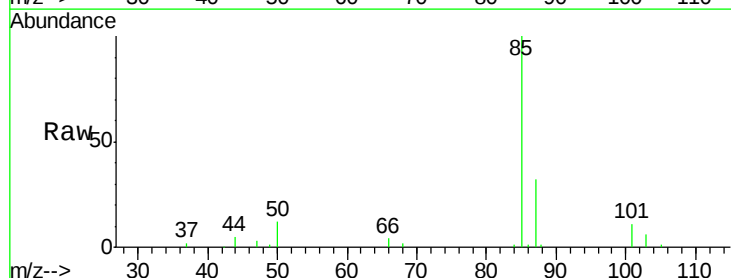
RT: 1.83 min Scan# 18

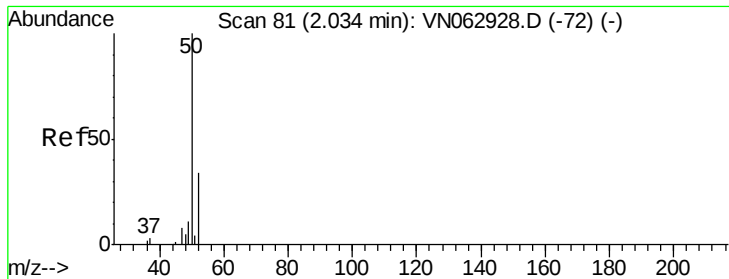
Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Tgt Ion:	85	Resp:	53393
Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.2





#3

Chloromethane

Concen: 26.318 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081420

Tot Ion: 50 Resp: 56463

Ion Ratio Lower Upper

50 100

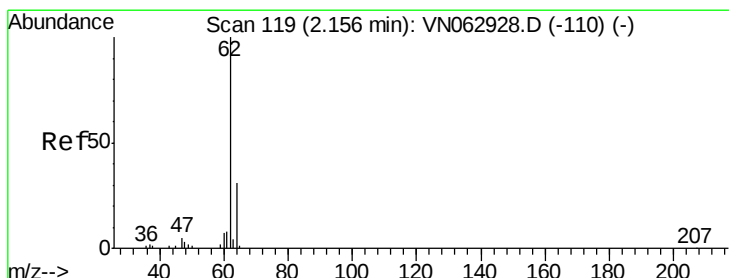
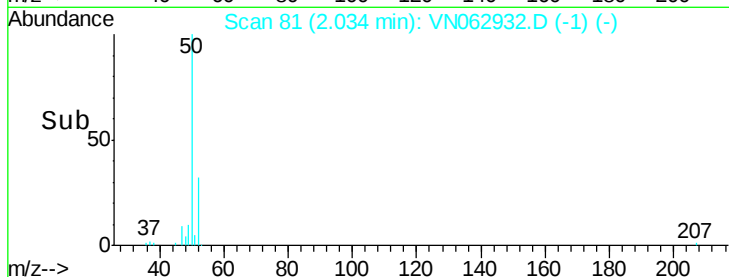
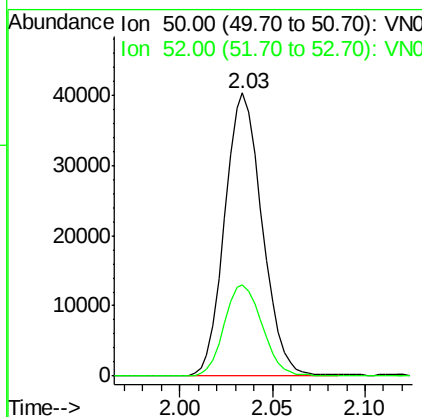
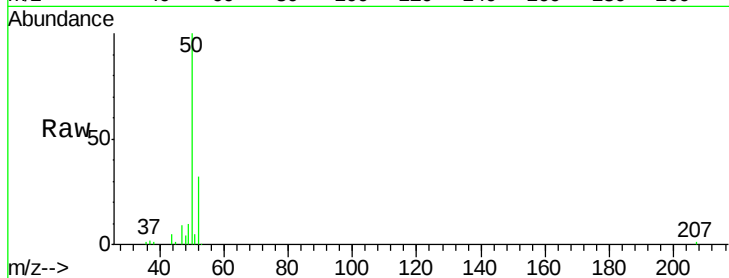
52 32.5 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 31.409 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062932.D

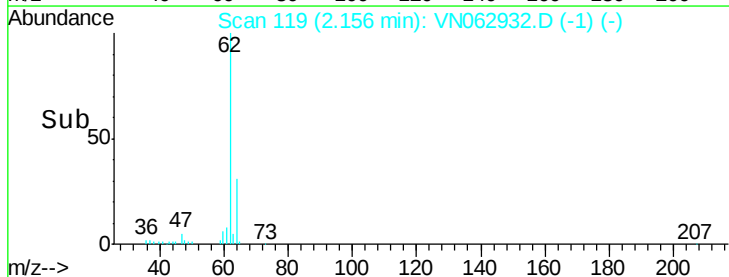
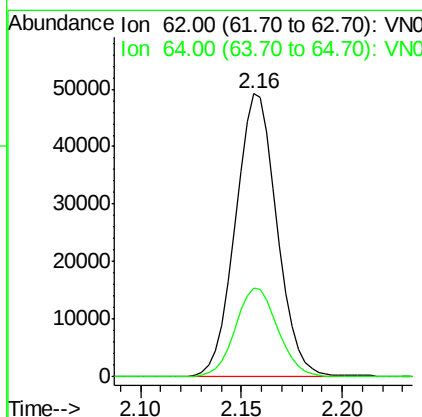
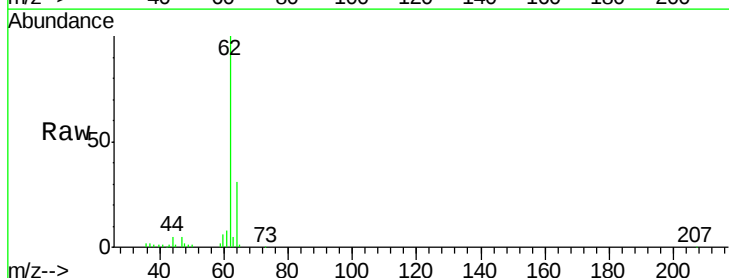
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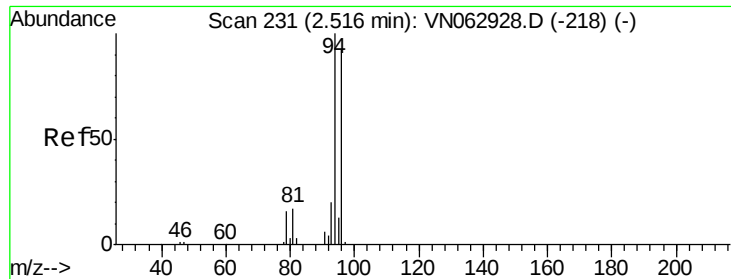
Tgt Ion: 62 Resp: 71189

Ion Ratio Lower Upper

62 100

64 31.5 24.6 37.0





#5

Bromomethane

Concen: 21.373 ug/l

RT: 2.52 min Scan# 231

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

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Tot Ion: 94 Resp: 41778

Ion Ratio Lower Upper

94 100

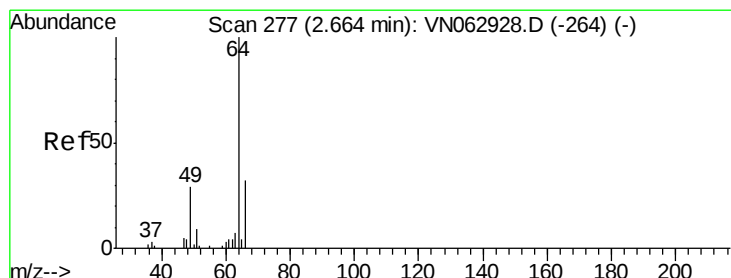
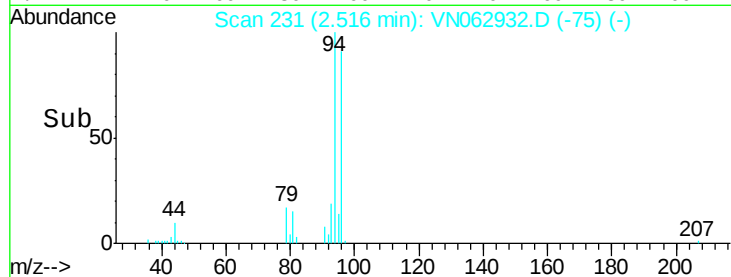
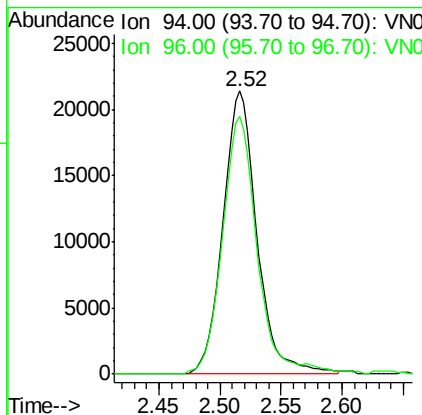
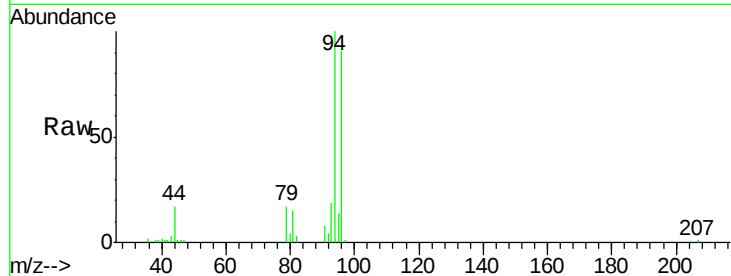
96 90.3 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 20.392 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062932.D

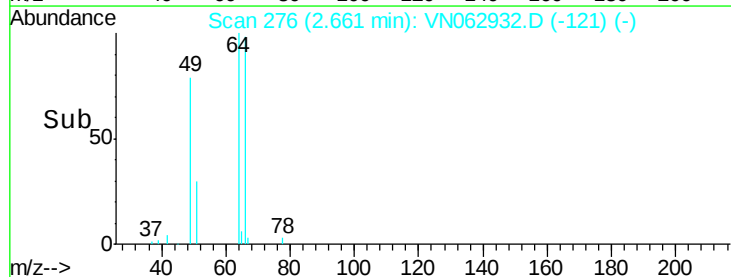
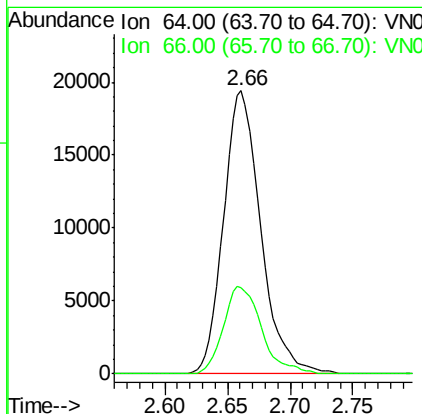
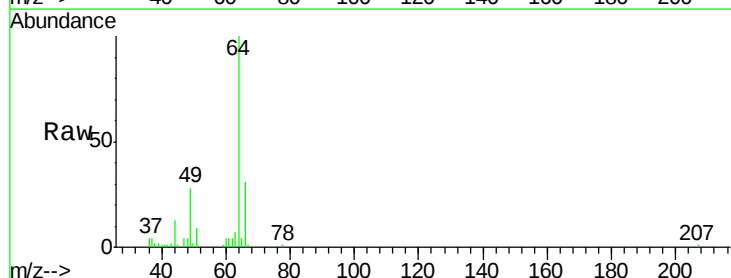
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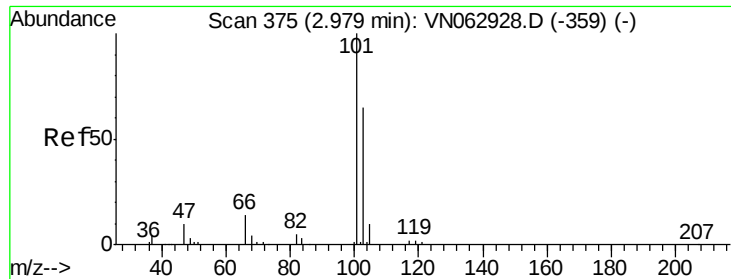
Tgt Ion: 64 Resp: 40082

Ion Ratio Lower Upper

64 100

66 30.7 25.3 37.9





#7

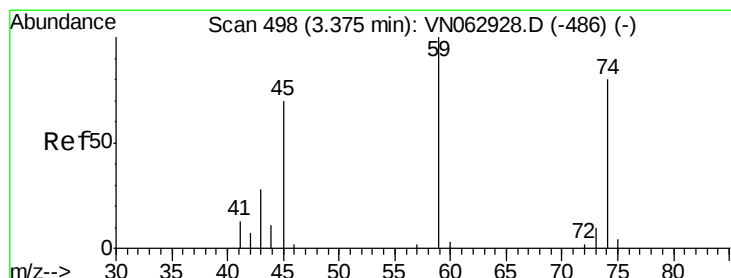
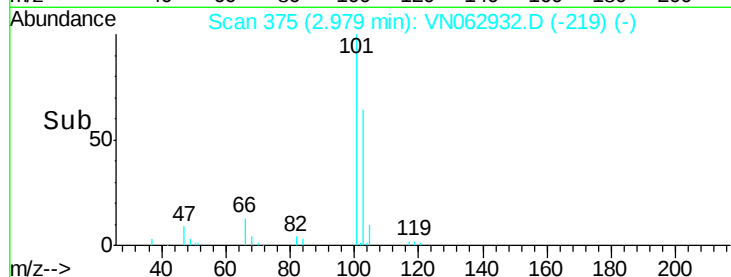
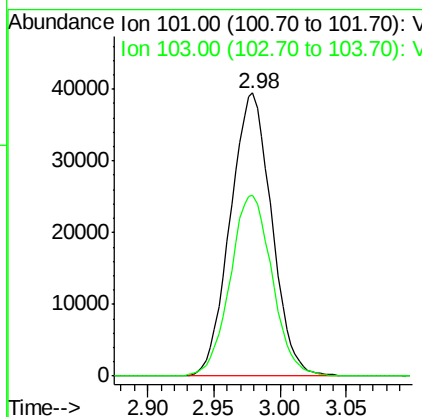
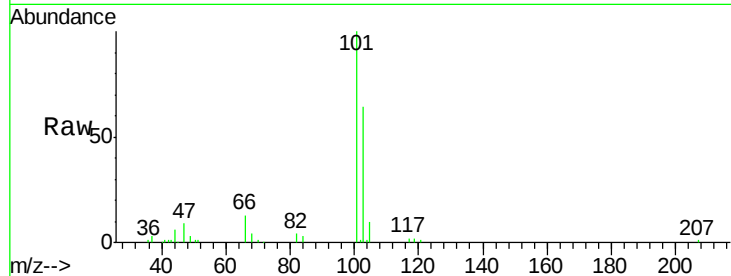
Trichlorofluoromethane
 Concen: 19.375 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.8	77.6

Manual Integrations
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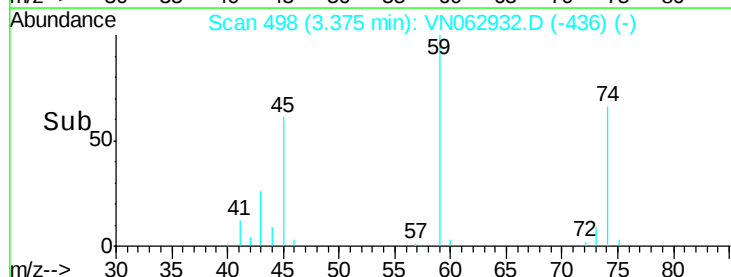
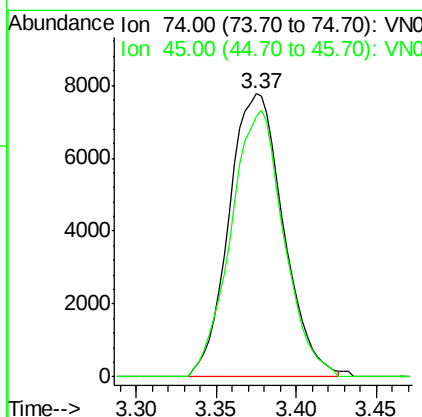
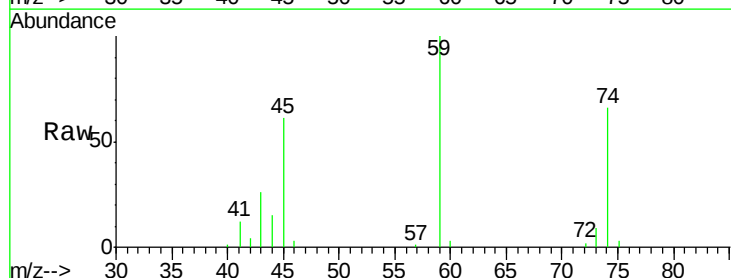
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 8/17/2020 5:45:02 PM

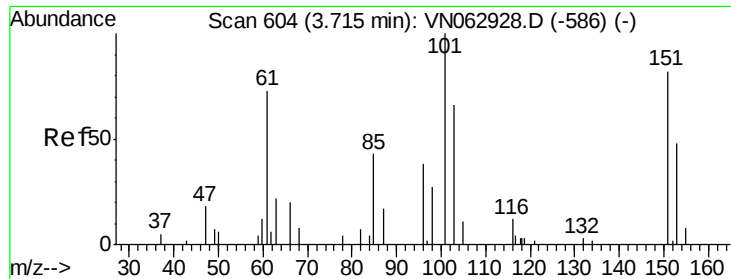


#8

Diethyl Ether
 Concen: 18.699 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.5	18.7	167.9





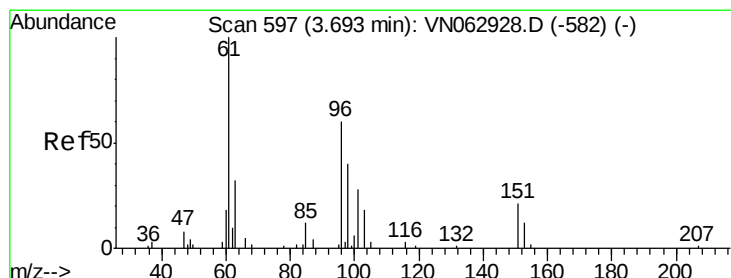
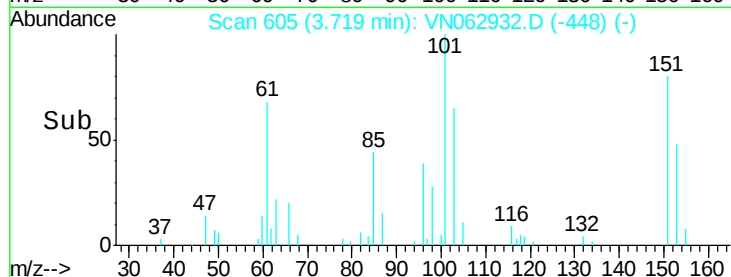
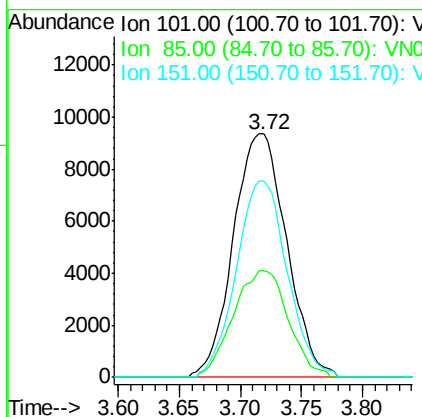
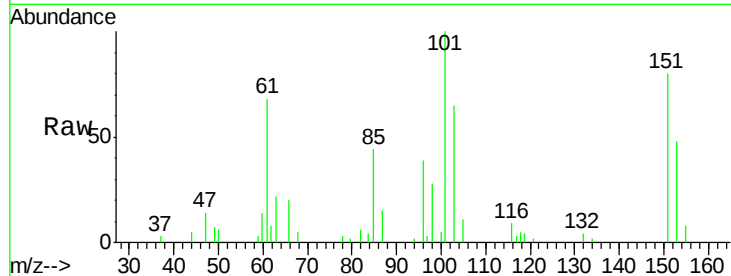
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.457 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081420

Tot Ion	Ratio	Resp	Lower	Upper
101	100	28289		
85	45.5	0.0	92.4	
151	77.1	0.0	162.6	

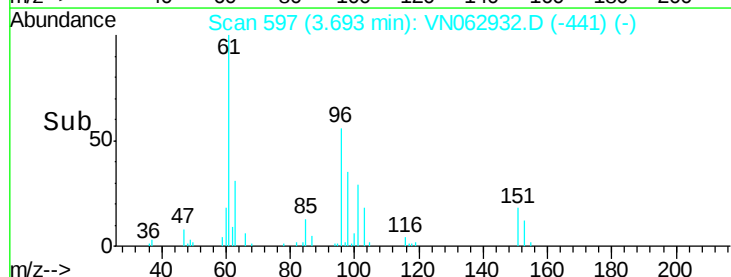
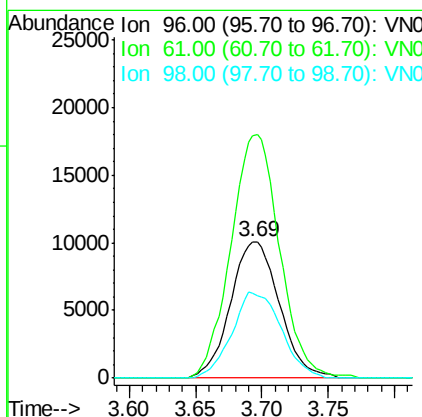
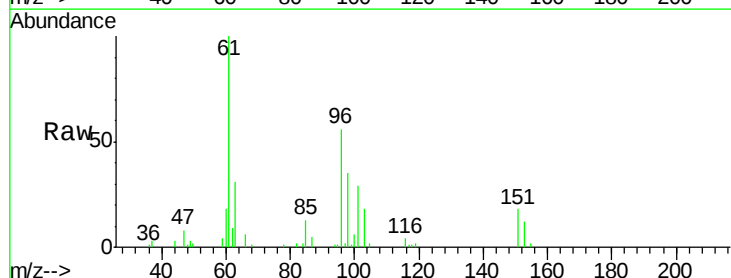
Manual Integrations
 APPROVED

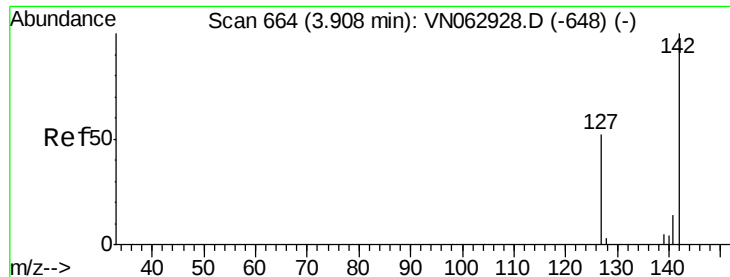
MMDadoda
 8/17/2020 5:45:02 PM



#10
 1,1-Dichloroethene
 Concen: 19.427 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	25895		
61	177.3	134.5	201.7	
98	62.4	53.3	79.9	





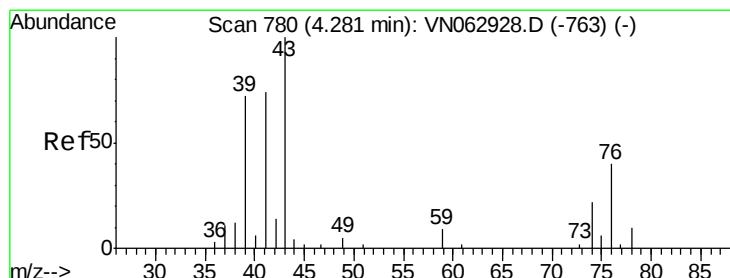
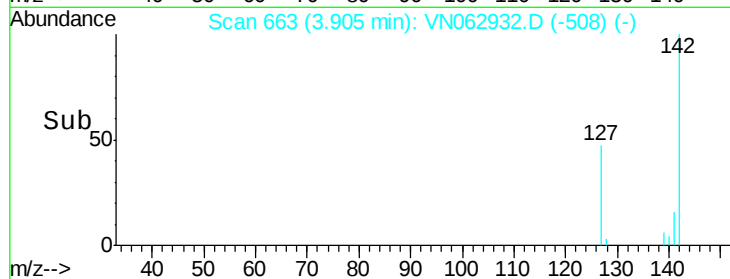
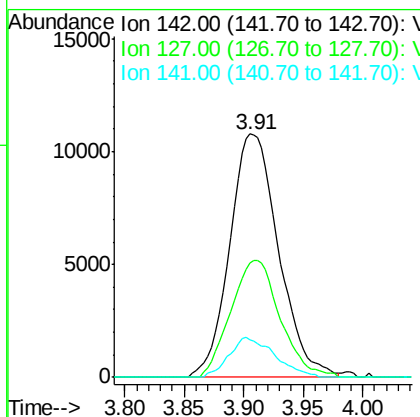
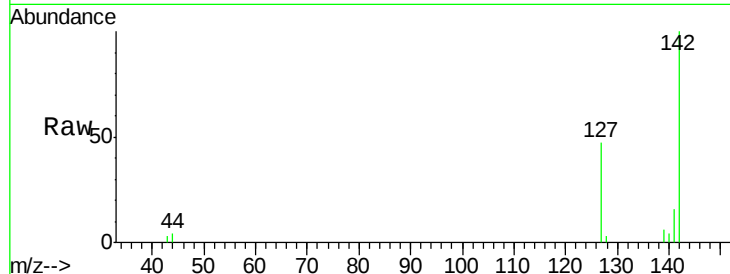
#11
Methyl Iodide
Concen: 16.562 ug/l
RT: 3.91 min Scan# 663
Delta R.T. -0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081420

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.3	26.1	78.3
141	15.7	7.2	21.7

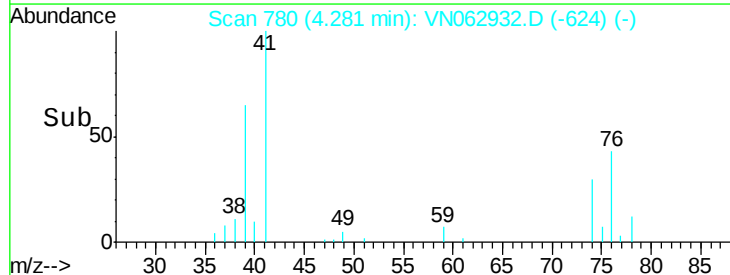
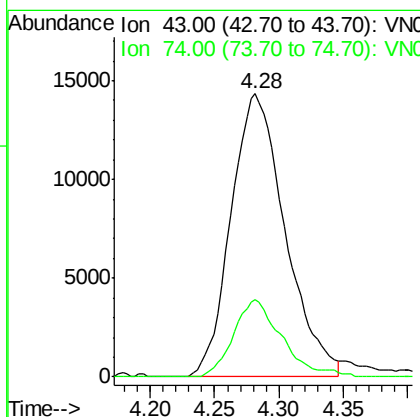
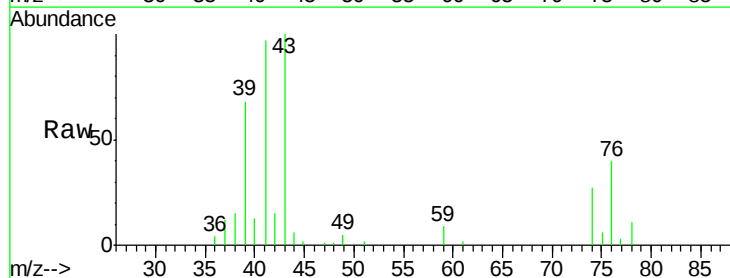
Manual Integrations
APPROVED

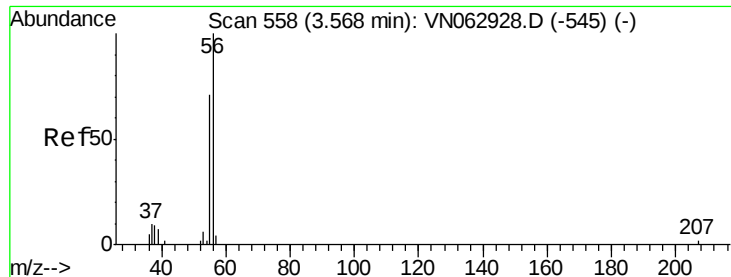
MMDadoda
8/17/2020 5:45:02 PM



#12
Methyl Acetate
Concen: 20.783 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.3	18.1	27.1#





#13

Acrolein

Concen: 97.528 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081420

Tot Ion: 56 Resp: 25156

Ion Ratio Lower Upper

56 100

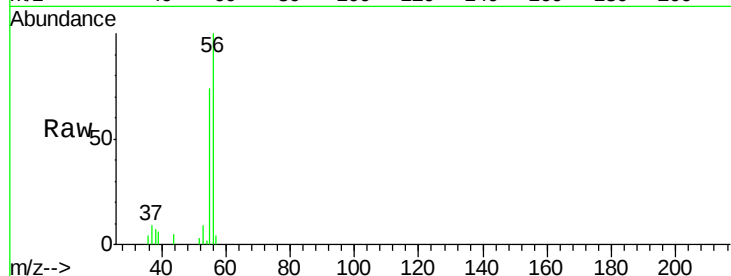
55 69.0 60.2 90.4

Manual Integrations

APPROVED

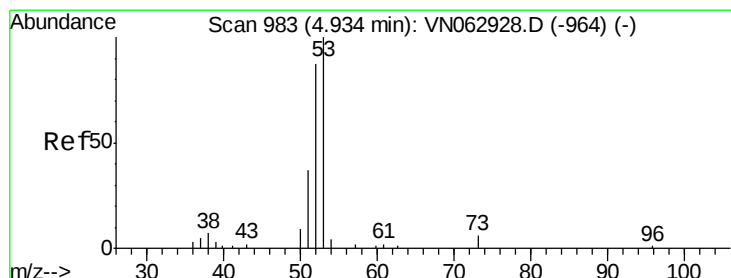
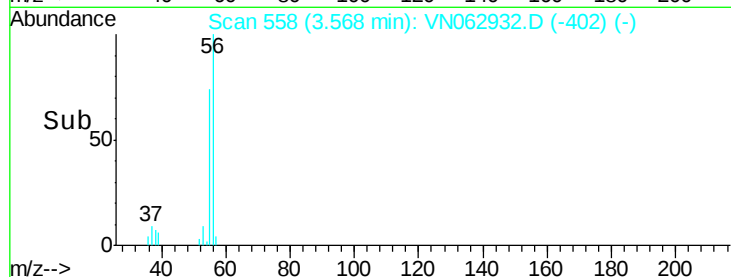
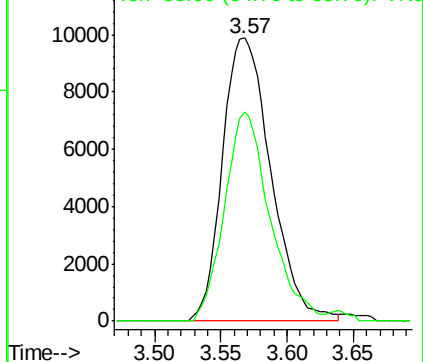
MMDadoda

8/17/2020 5:45:02 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.143 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

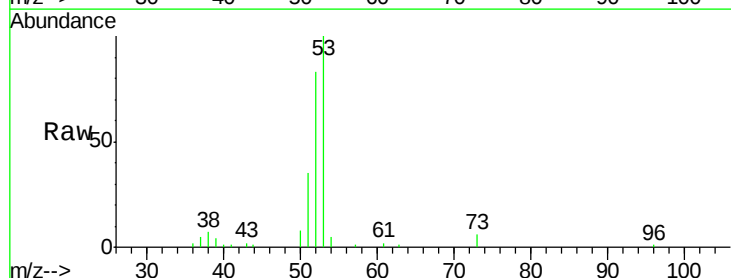
Tgt Ion: 53 Resp: 87375

Ion Ratio Lower Upper

53 100

52 82.4 43.1 129.4

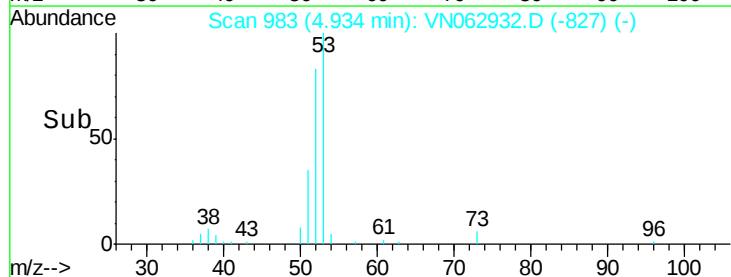
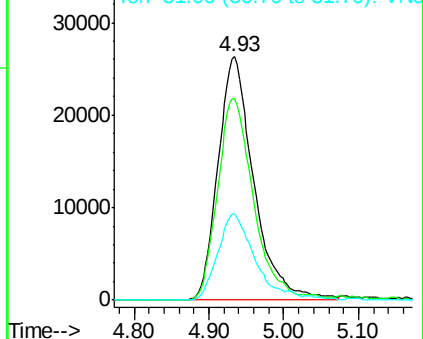
51 35.2 19.1 57.1

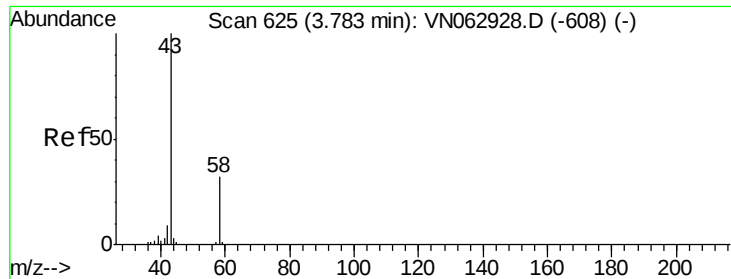


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 101.369 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.01 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081420

Tot Ion: 58 Resp: 23861

Ion Ratio Lower Upper

58 100

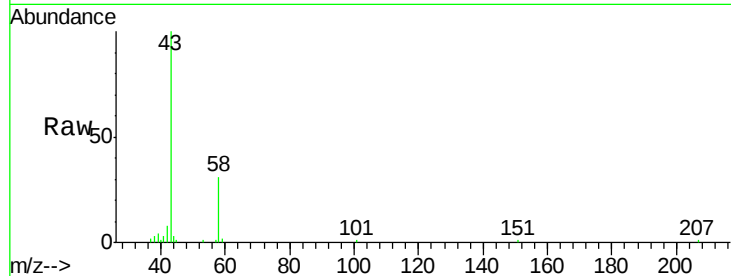
43 313.2 250.0 375.0

Manual Integrations

APPROVED

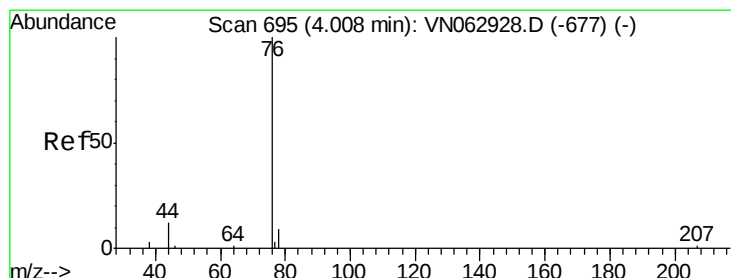
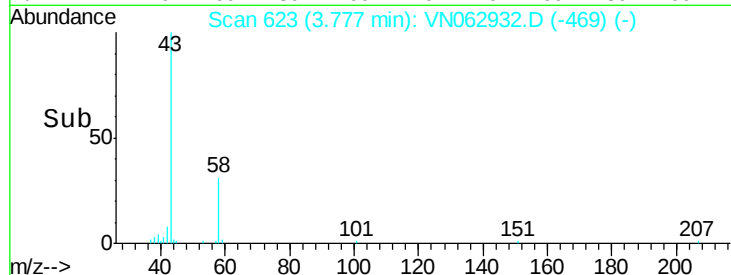
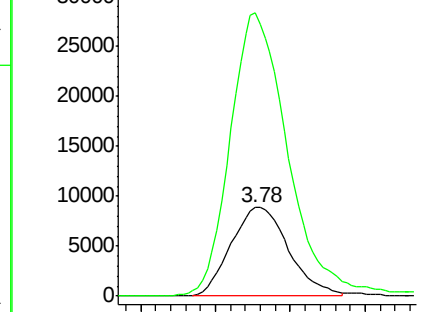
MMDadoda

8/17/2020 5:45:02 PM



Abundance Ion 58.00 (57.70 to 58.70): VN062928.D (-608) (-)

Ion 43.00 (42.70 to 43.70): VN062928.D (-608) (-)



#16

Carbon Disulfide

Concen: 18.505 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062932.D

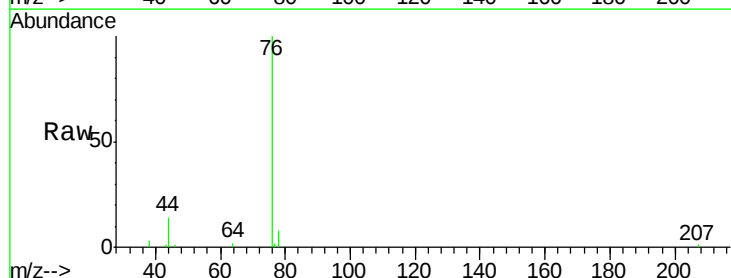
Acq: 14 Aug 2020 00:57

Tgt Ion: 76 Resp: 70349

Ion Ratio Lower Upper

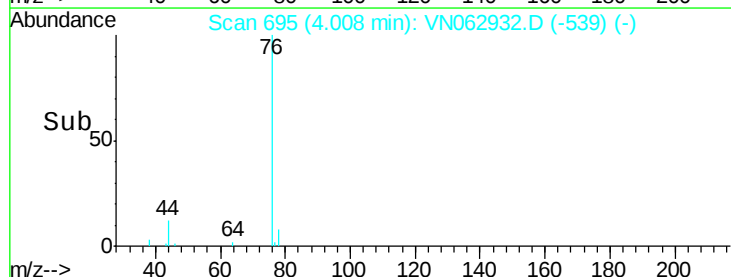
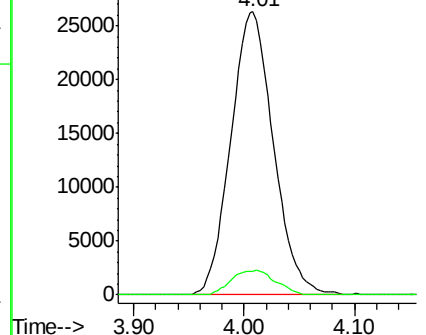
76 100

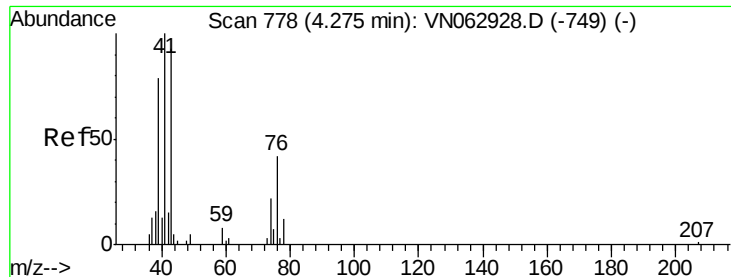
78 8.5 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN062928.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN062928.D (-677) (-)





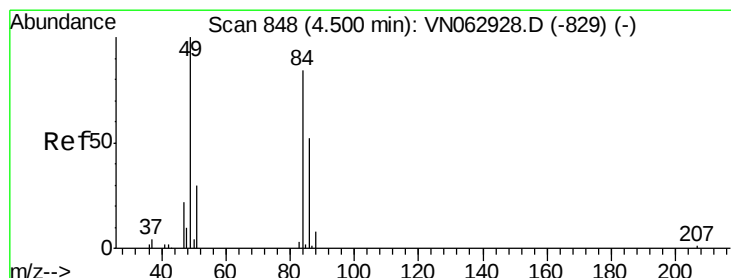
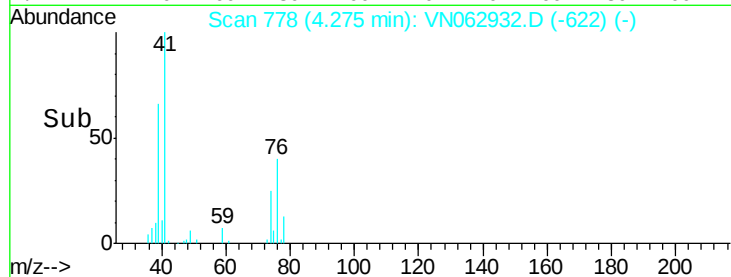
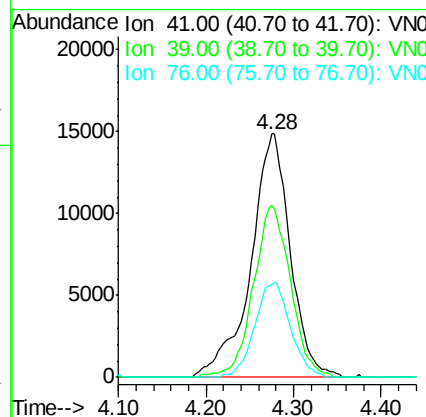
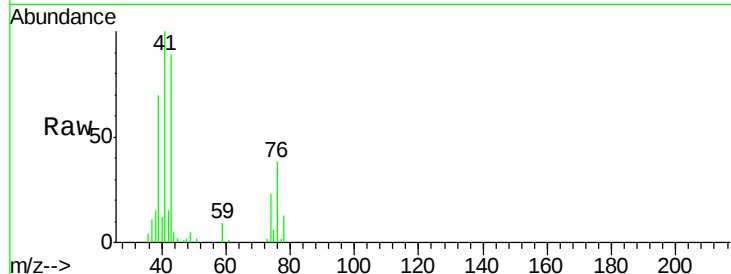
#17
Allvl chloride
Concen: 20.284 ug/l
RT: 4.28 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081420

Tot Ion	Ratio	Resp	Lower	Upper
41	100	46578		
39	70.5		39.6	118.7
76	37.8		21.3	63.7

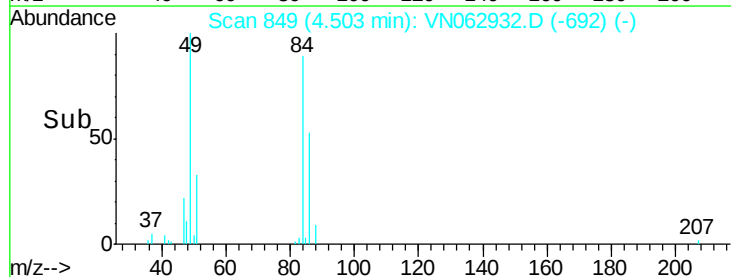
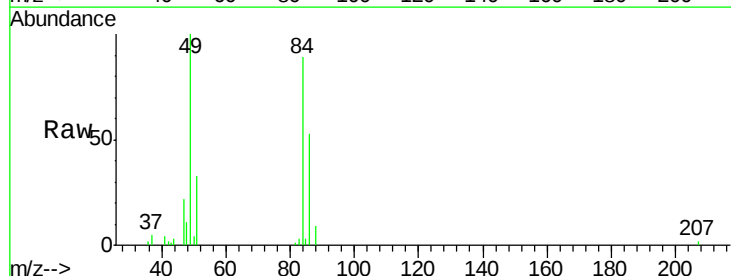
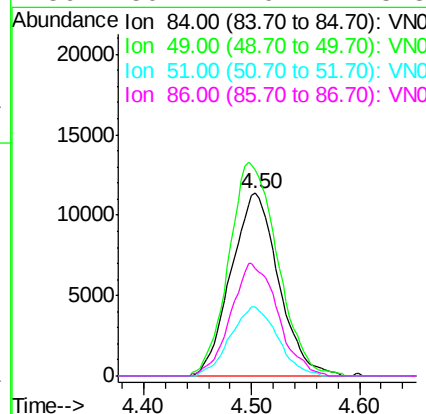
Manual Integrations
APPROVED

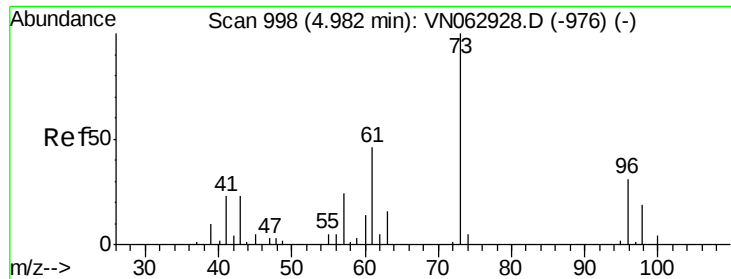
MMDadoda
8/17/2020 5:45:02 PM



#18
Methylene Chloride
Concen: 20.257 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	34933		
49	111.2		95.0	142.6
51	37.6		28.2	42.4
86	59.2		49.2	73.8





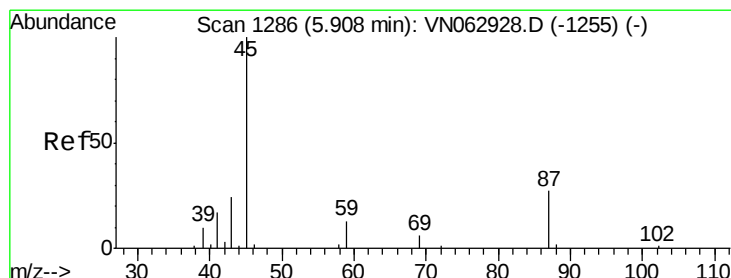
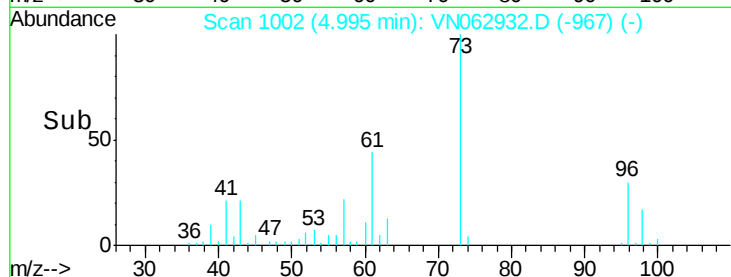
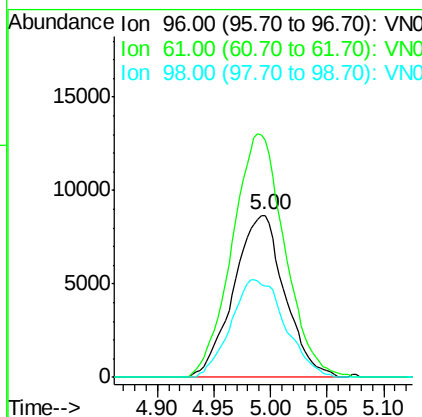
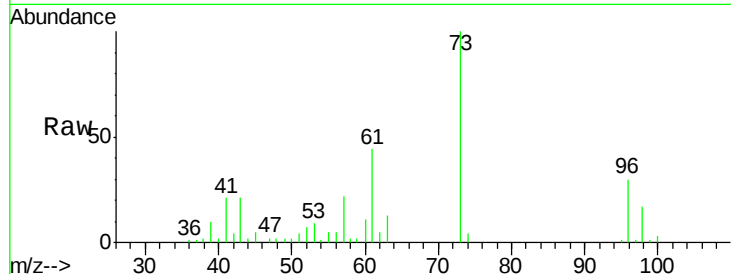
#19
trans-1,2-Dichloroethene
Concen: 18.319 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081420

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.8	118.0	177.0
98	56.2	48.7	73.1

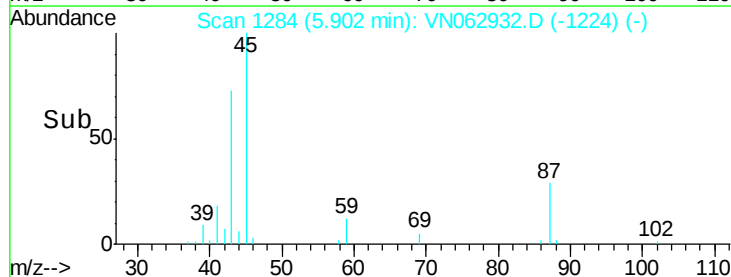
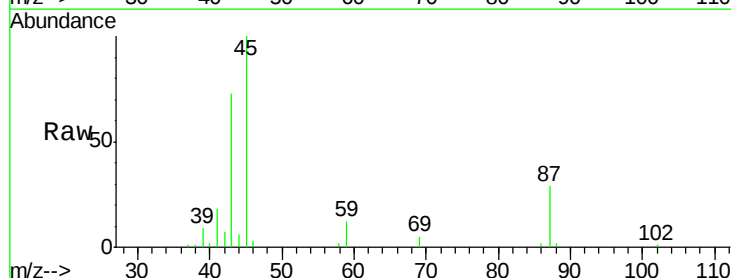
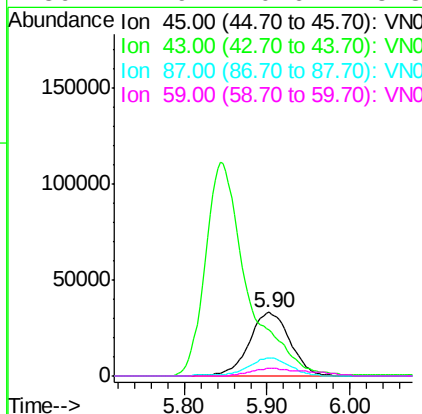
Manual Integrations
APPROVED

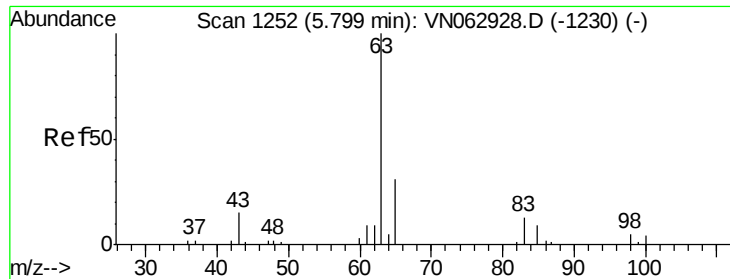
MMDadoda
8/17/2020 5:45:02 PM



#20
Diisopropyl ether
Concen: 21.222 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.01 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.3	48.6	72.8
87	28.7	22.6	34.0
59	11.9	10.6	15.8





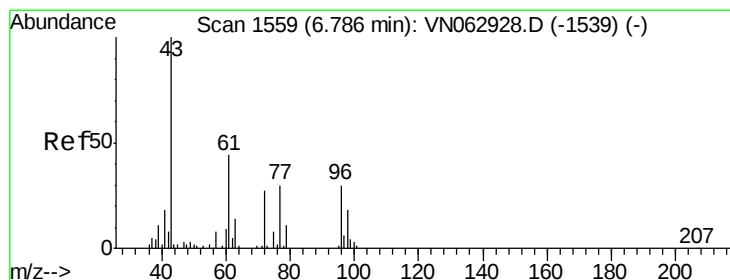
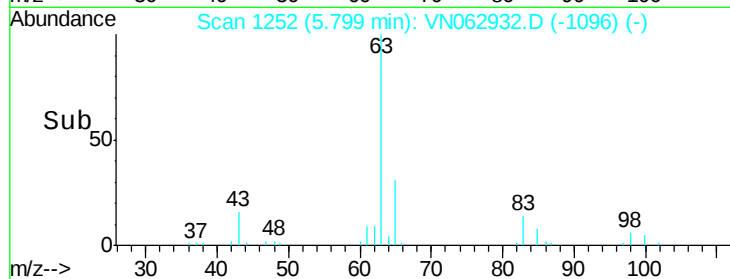
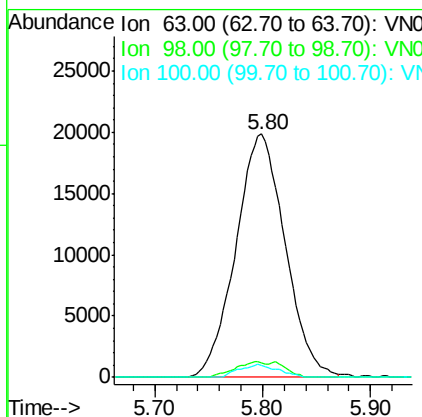
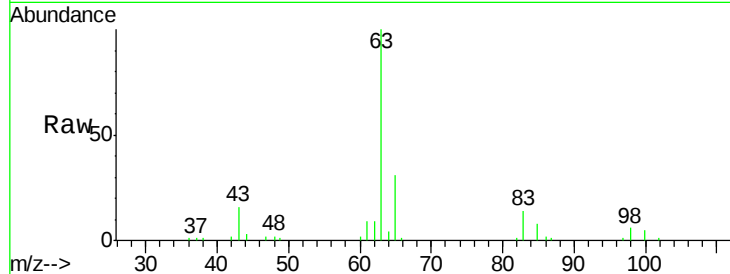
#21
 1,1-Dichloroethane
 Concen: 20.033 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081420

Tot Ion:	63	Resp:	63029
Ion Ratio	Lower	Upper	
63	100		
98	6.2	2.6	7.8
100	5.2	2.1	6.5

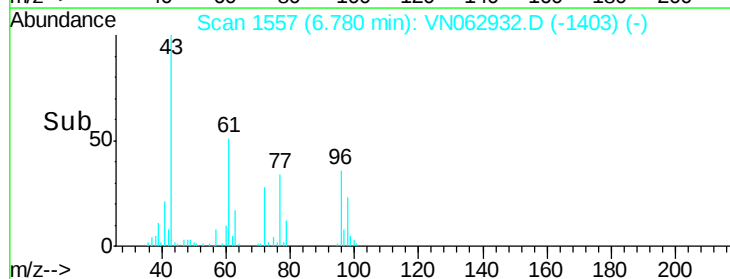
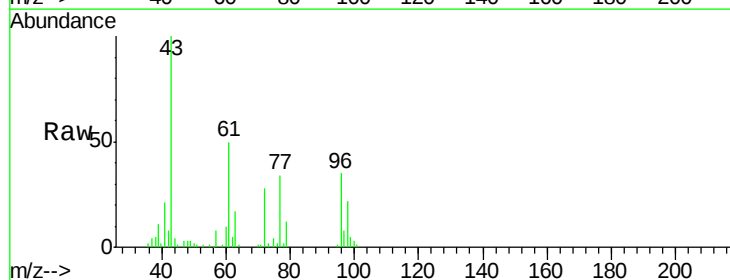
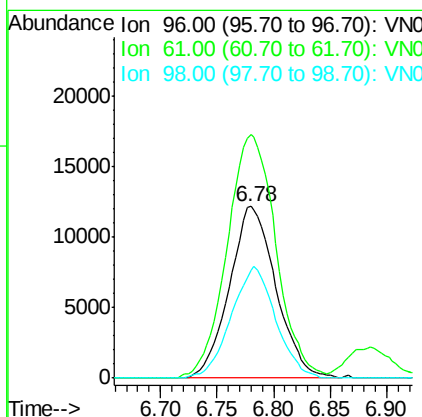
Manual Integrations
 APPROVED

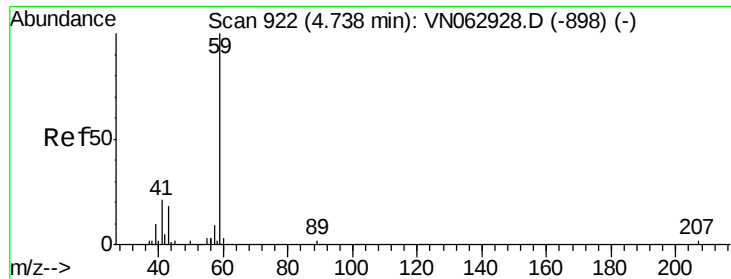
MMDadoda
 8/17/2020 5:45:02 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.617 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Tgt Ion:	96	Resp:	34917
Ion Ratio	Lower	Upper	
96	100		
61	148.7	124.9	187.3
98	62.0	27.8	41.6#





#23

tert-Butyl Alcohol

Concen: 95.947 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081420

Tot Ion: 59 Resp: 36176

Ion Ratio Lower Upper

59 100

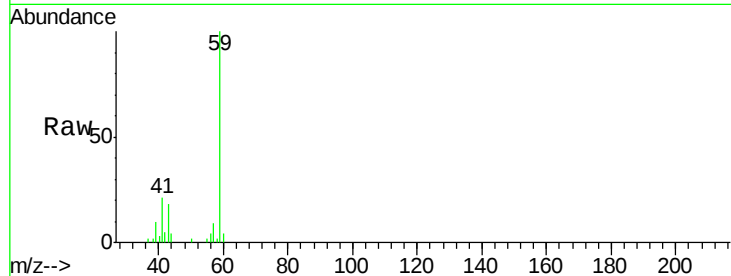
52 0.0 0.0 0.0

Manual Integrations

APPROVED

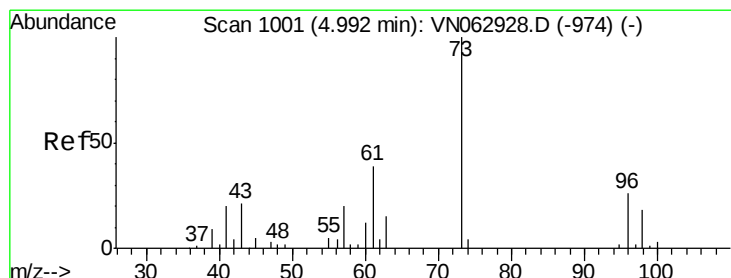
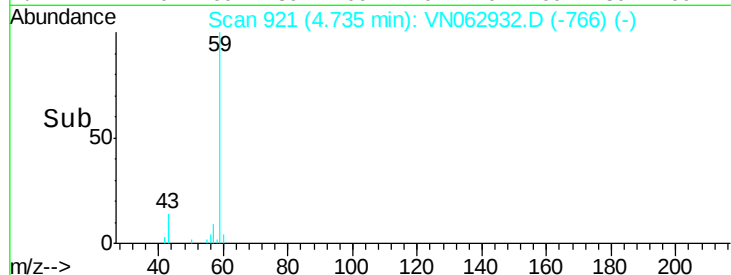
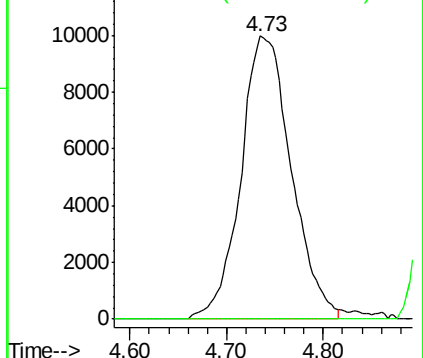
MMDadoda

8/17/2020 5:45:02 PM



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: 19.144 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN062932.D

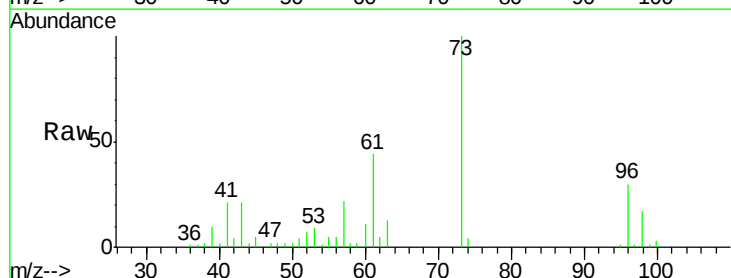
Acq: 14 Aug 2020 00:57

Tgt Ion: 73 Resp: 110888

Ion Ratio Lower Upper

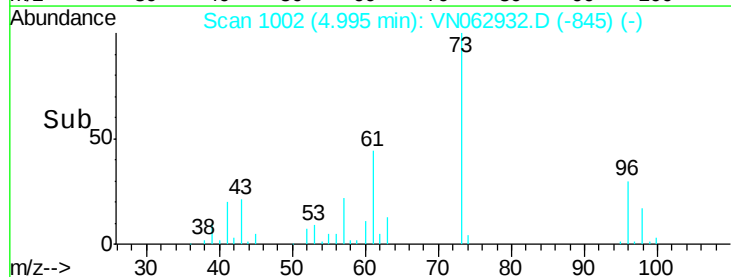
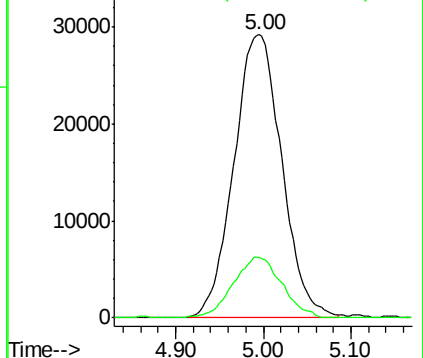
73 100

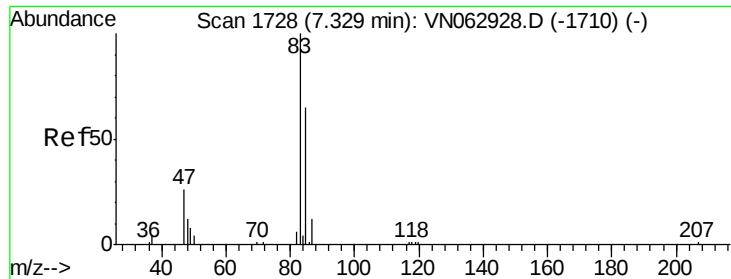
43 21.8 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#25

Chloroform

Concen: 19.392 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

ClientSampled :

ICVVN081420

Tot Ion: 83 Resp: 66202

Ion Ratio Lower Upper

83 100

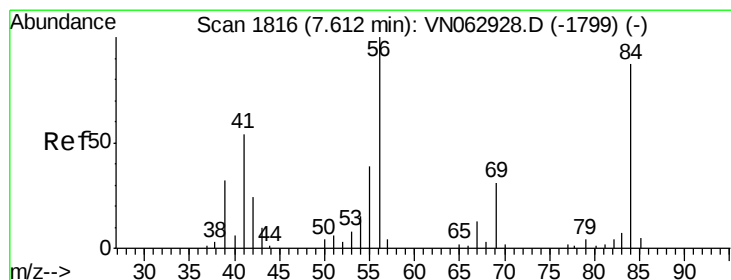
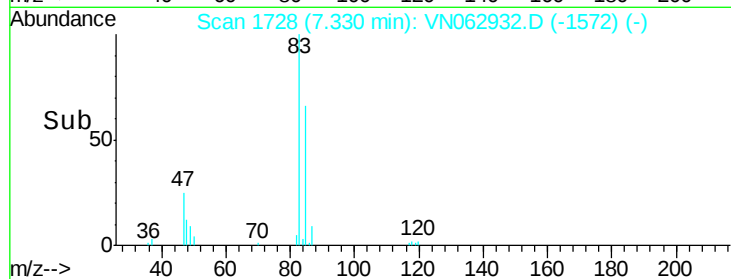
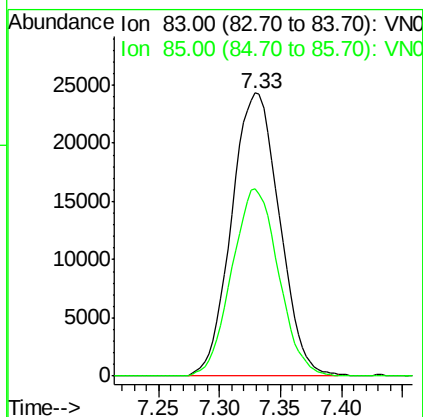
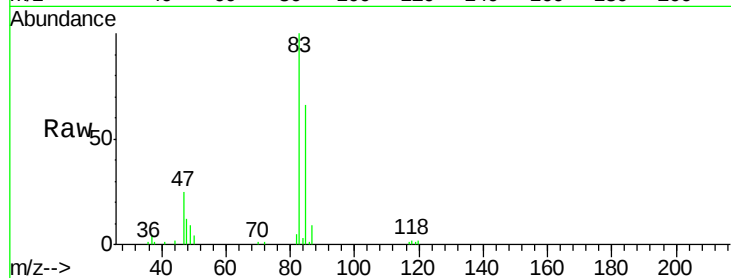
85 66.3 52.3 78.5

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#26

Cyclohexane

Concen: 20.532 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

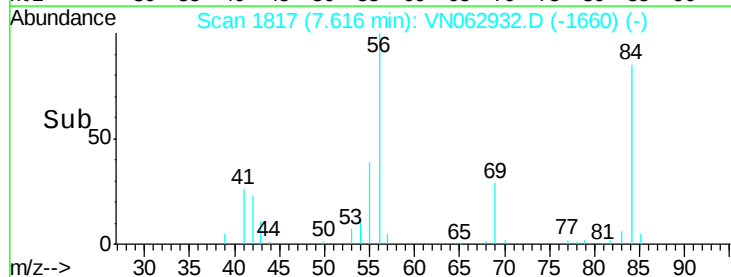
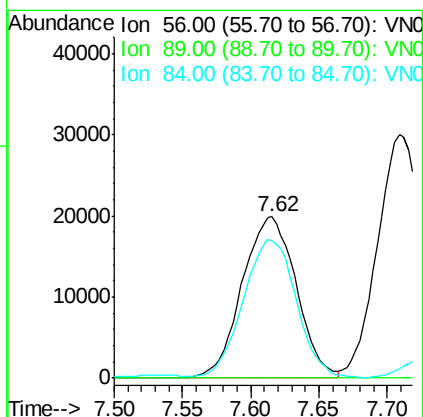
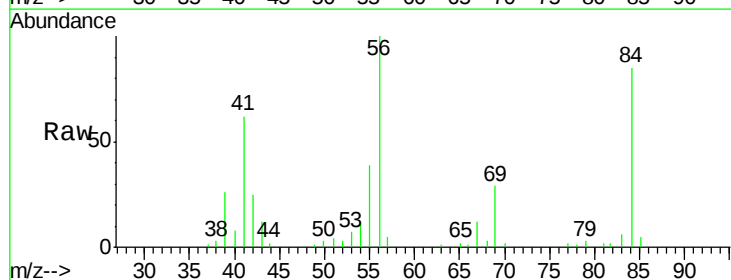
Tgt Ion: 56 Resp: 54690

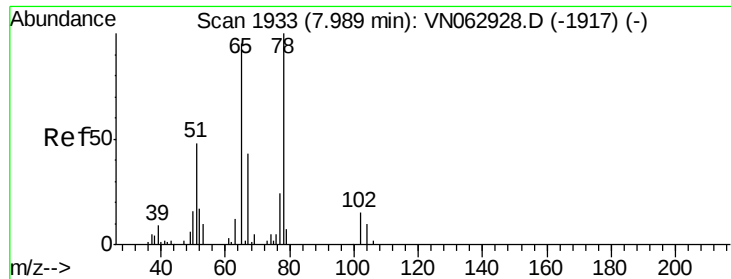
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 84.7 71.9 107.9





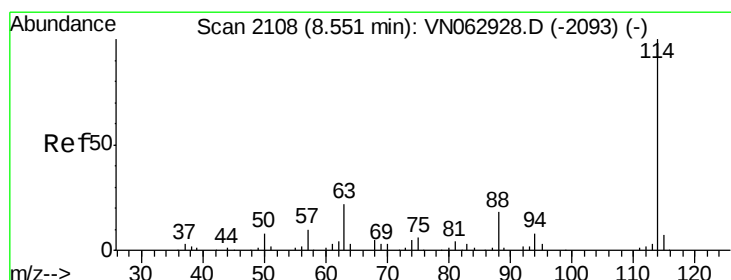
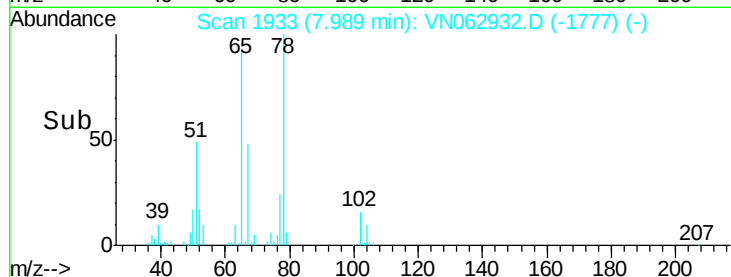
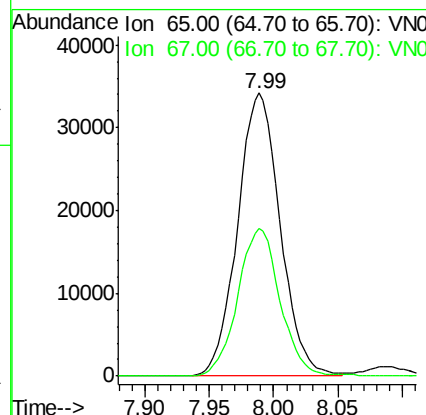
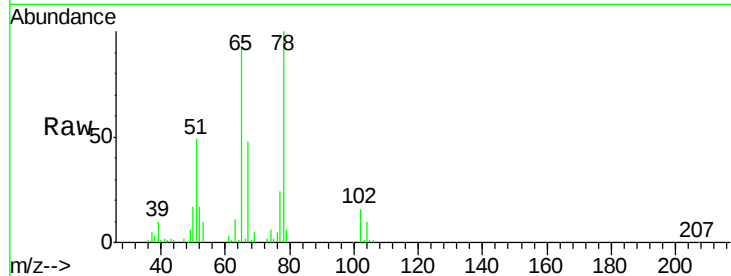
#27
 1,2-Dichloroethane-d4
 Concen: 30.461 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081420

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	39.5	59.3

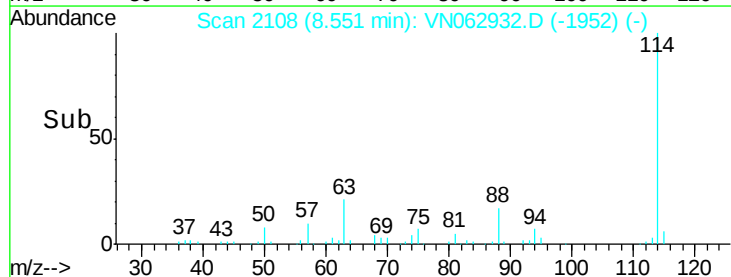
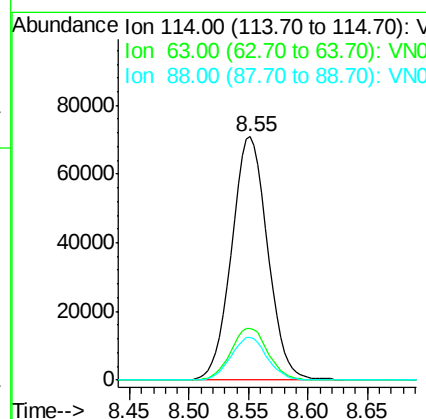
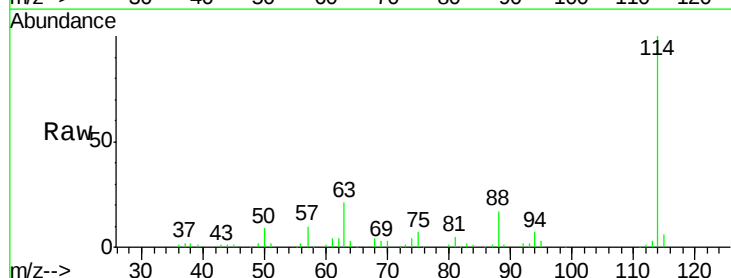
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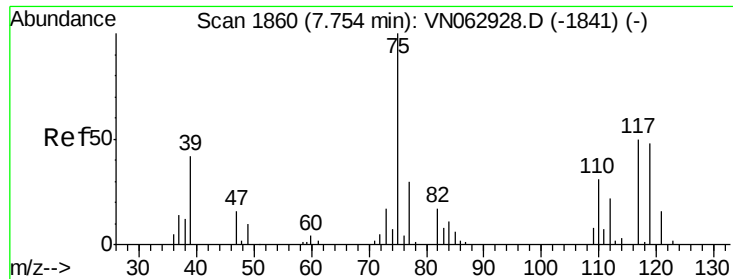
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	17.7	26.5
88	17.5	13.9	20.9





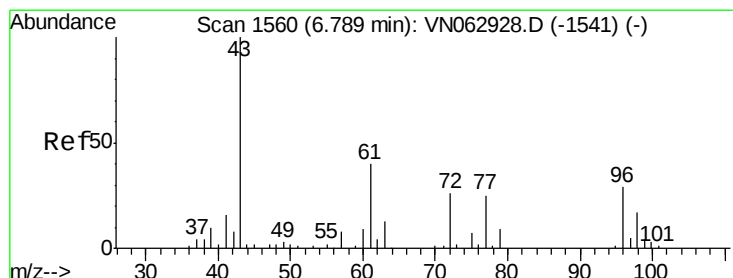
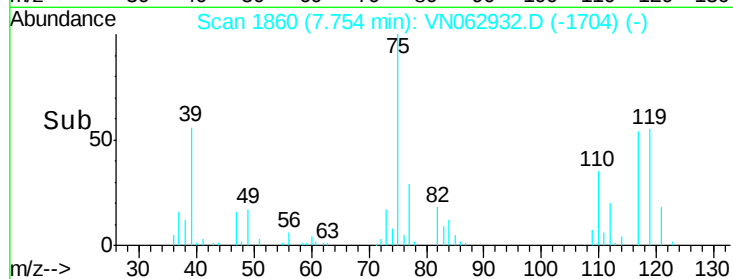
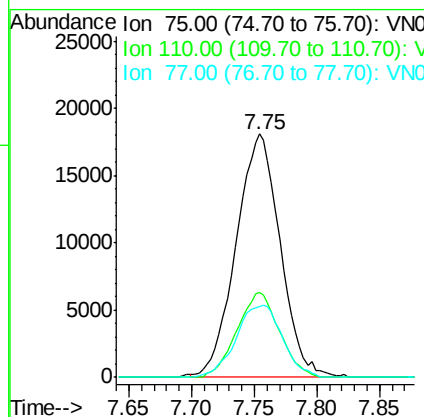
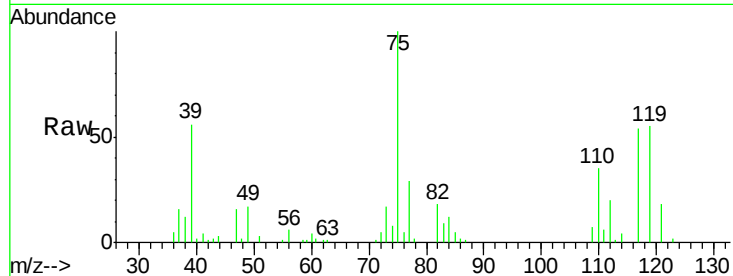
#29
 1,1-Dichloropropene
 Concen: 20.109 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081420

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	100				
110	33.4	0.0	65.8		
77	31.2	0.0	59.8		

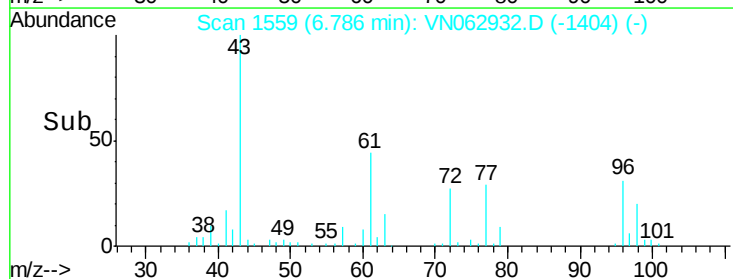
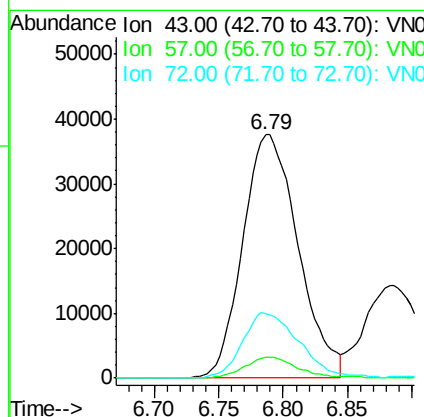
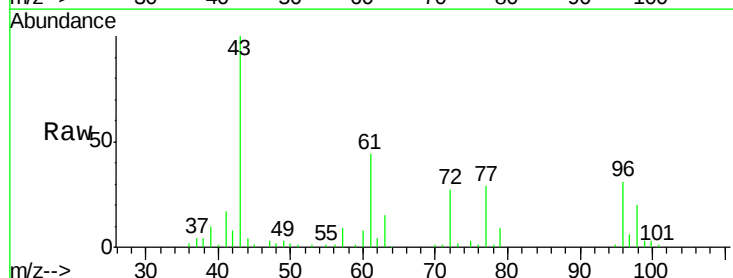
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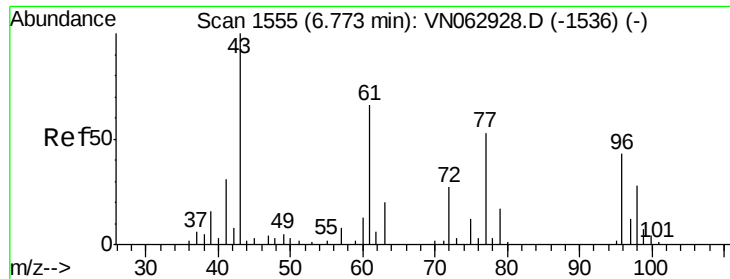
MMDadoda
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#30
 2-Butanone
 Concen: 99.145 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
57	8.1	7.0	10.6		
72	27.2	22.0	33.0		





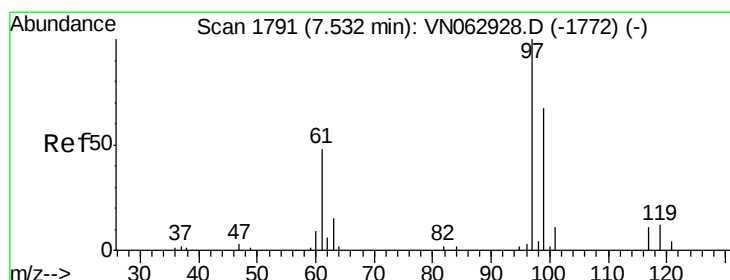
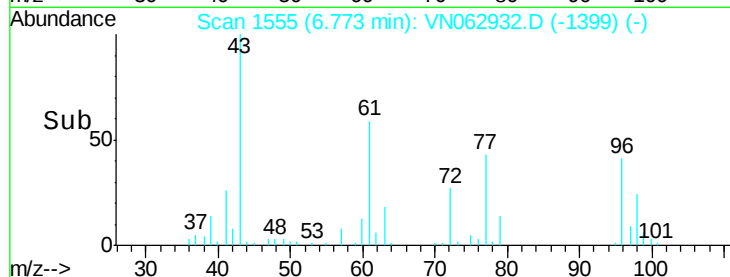
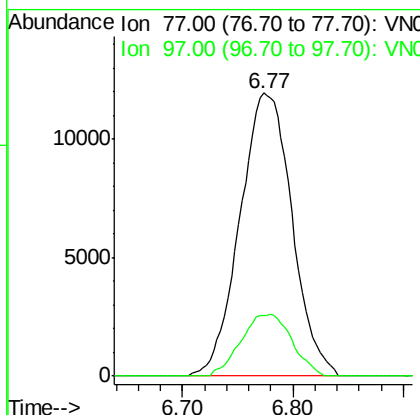
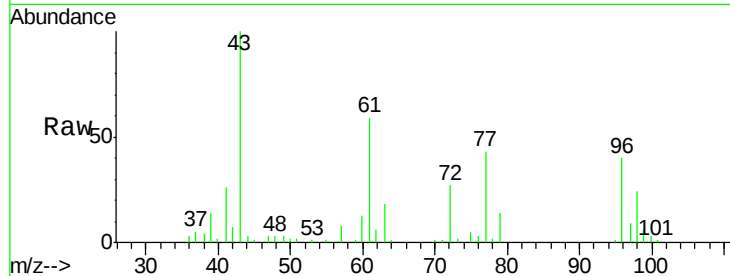
#31
 2,2-Dichloropropane
 Concen: 17.879 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081420

Tot Ion: 77 Resp: 39115
 Ion Ratio Lower Upper
 77 100
 97 10.2 16.1 24.1#

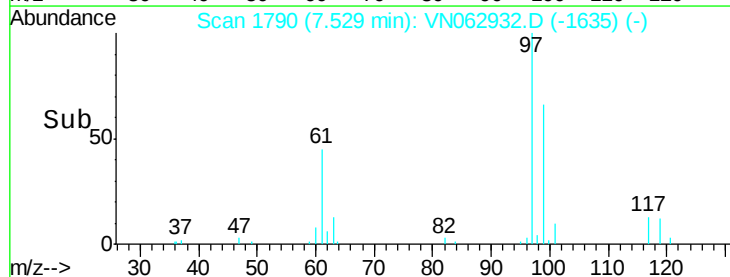
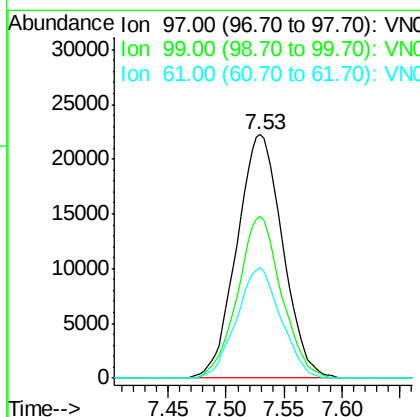
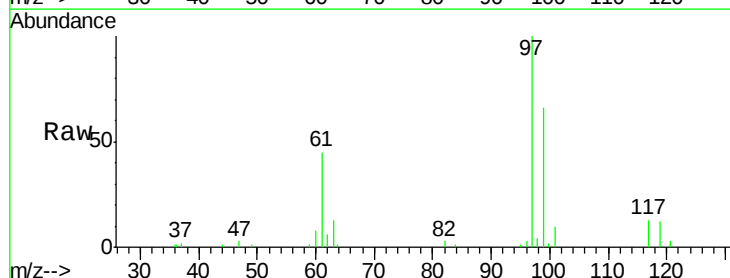
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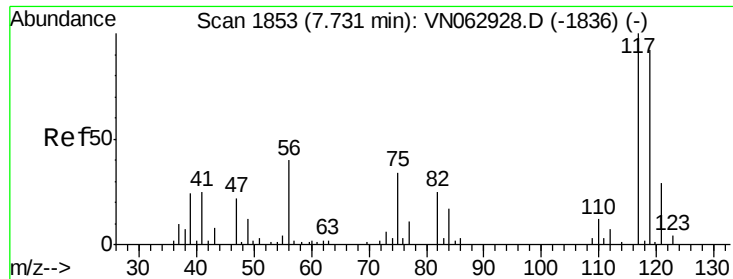
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#32
 1,1,1-Trichloroethane
 Concen: 20.247 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Tgt Ion: 97 Resp: 60951
 Ion Ratio Lower Upper
 97 100
 99 63.4 53.8 80.8
 61 43.9 36.3 54.5





#33

Carbon Tetrachloride

Concen: 19.549 ug/l

RT: 7.73 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

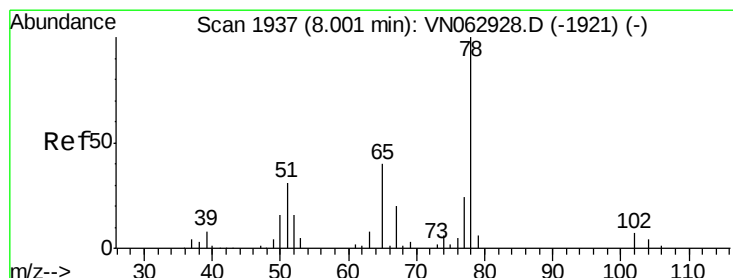
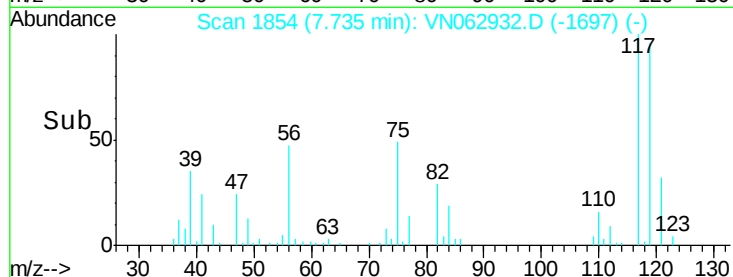
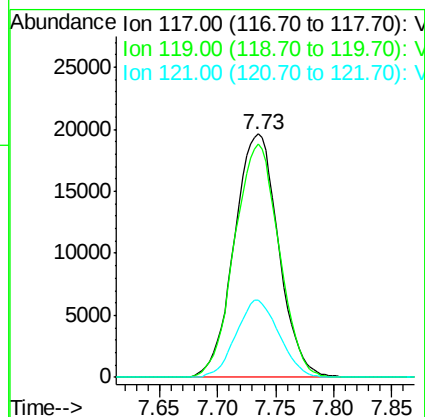
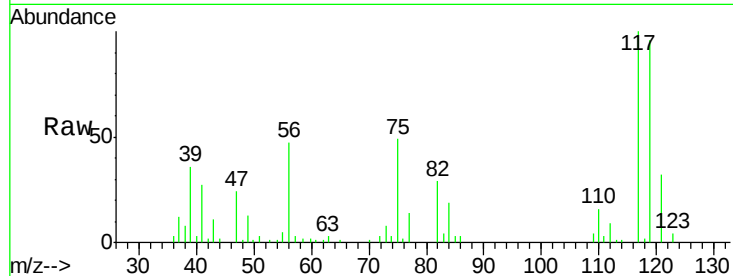
ClientSampleId :

ICVVN081420

Tot Ion:	117	Resp:	52185
Ion Ratio	Lower	Upper	
117	100		
119	95.7	73.9	110.9
121	31.8	23.2	34.8

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#34

Benzene

Concen: 20.187 ug/l

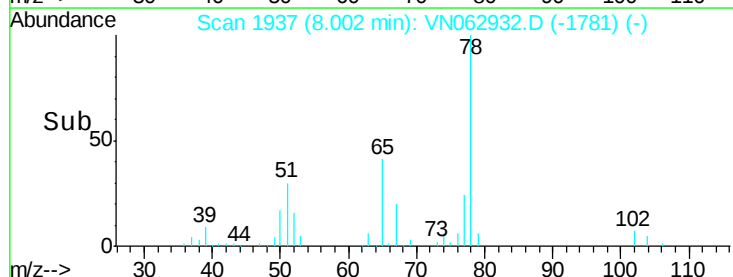
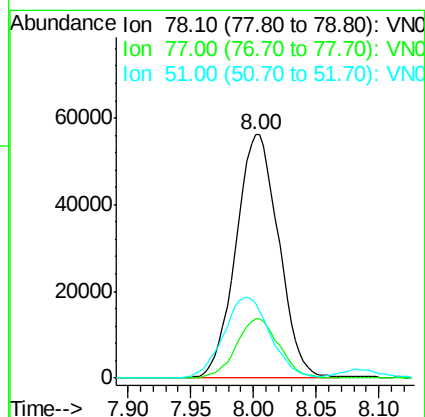
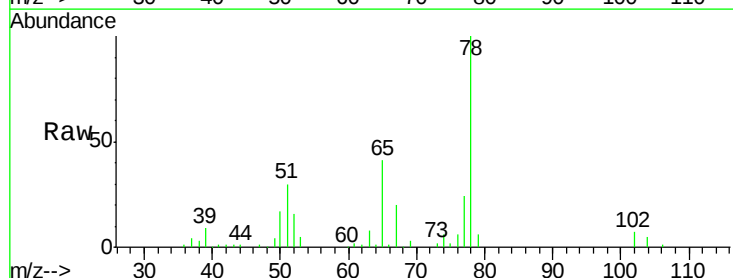
RT: 8.00 min Scan# 1937

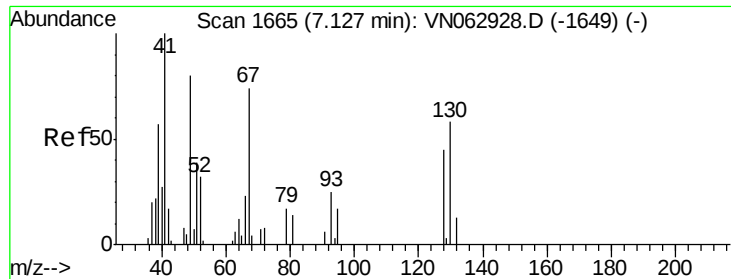
Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Tgt Ion:	78	Resp:	133338
Ion Ratio	Lower	Upper	
78	100		
77	24.3	19.3	28.9
51	29.5	24.9	37.3





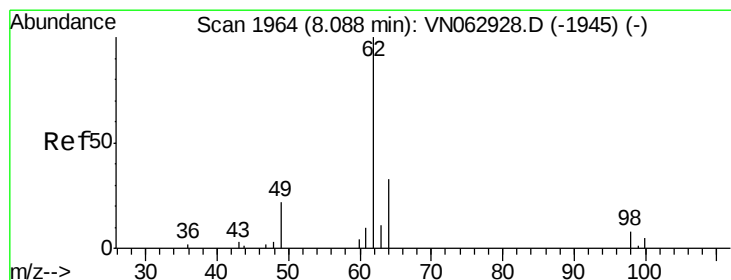
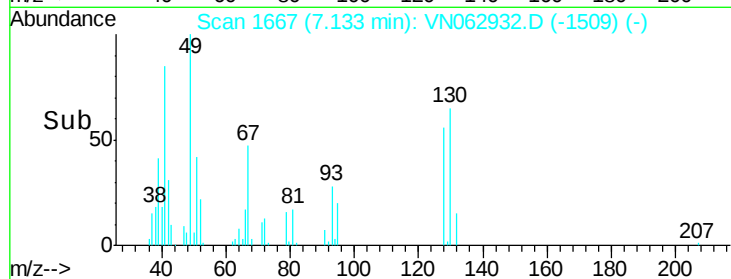
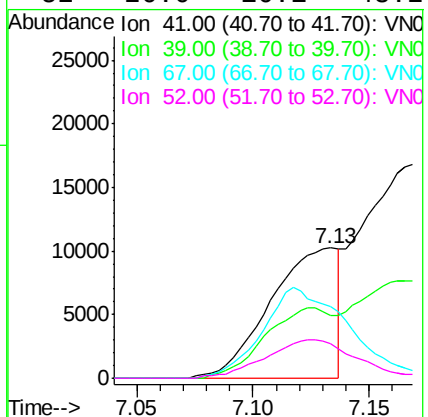
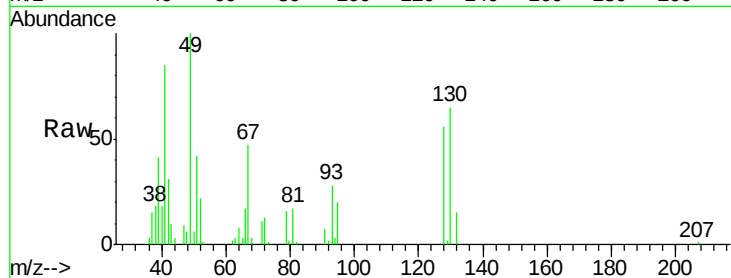
#35
Methacrylonitrile
Concen: 20.635 ug/l
RT: 7.13 min Scan# 1667
Delta R.T. 0.01 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081420

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	48.5	28.7	86.3	
67	55.1	36.8	110.3	
52	26.0	16.1	48.2	

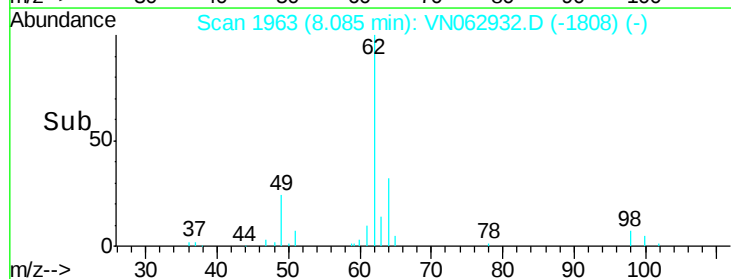
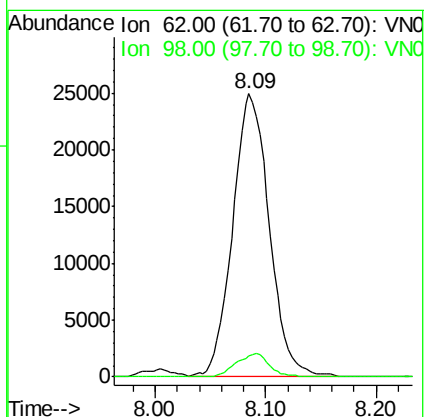
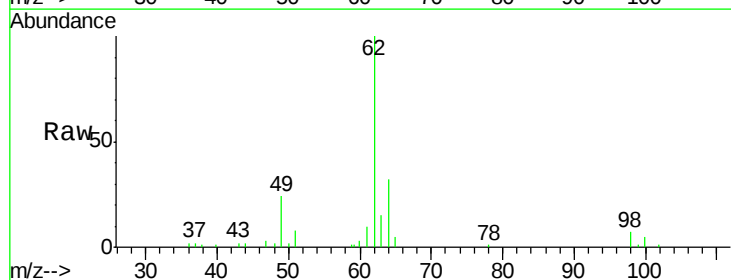
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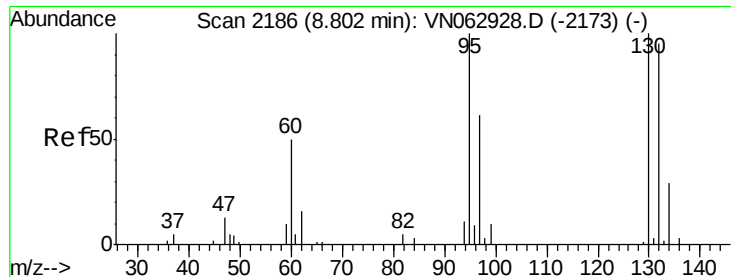
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#36
1,2-Dichloroethane
Concen: 20.023 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.4	6.1	9.1	





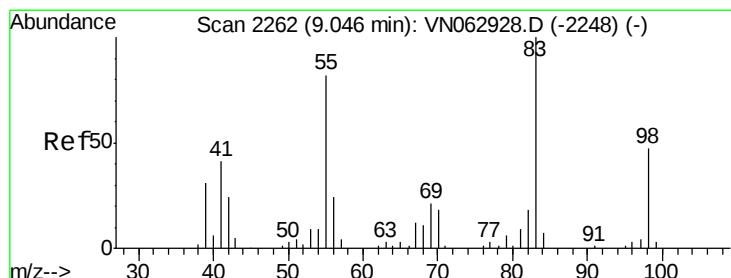
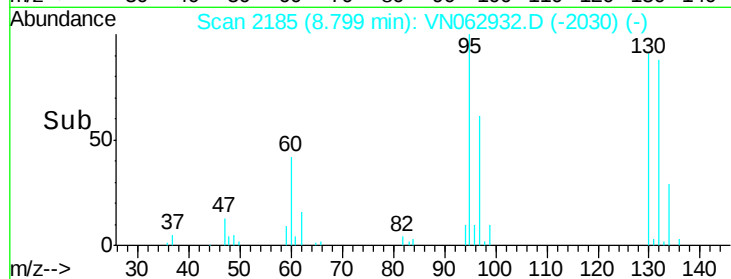
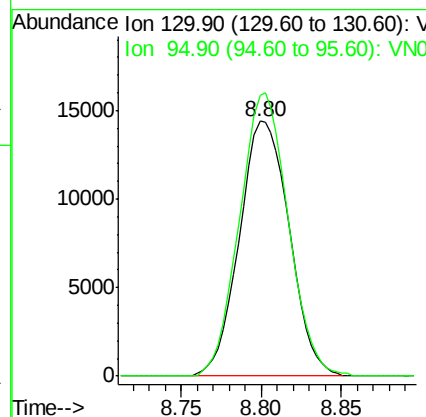
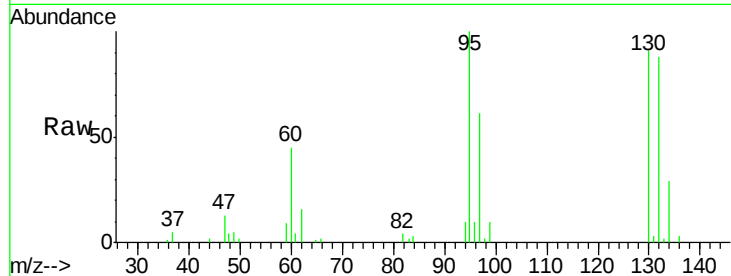
#37
 Trichloroethene
 Concen: 18.777 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081420

Tot Ion:130 Resp: 30761
 Ion Ratio Lower Upper
 130 100
 95 110.0 80.1 120.1

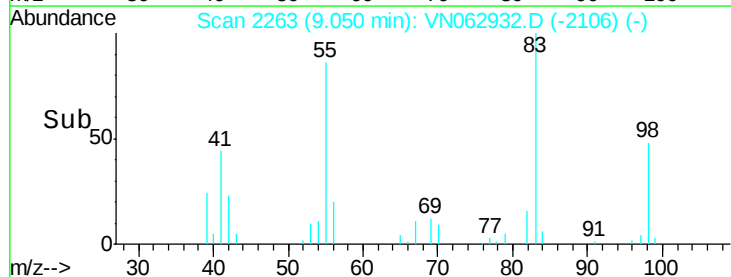
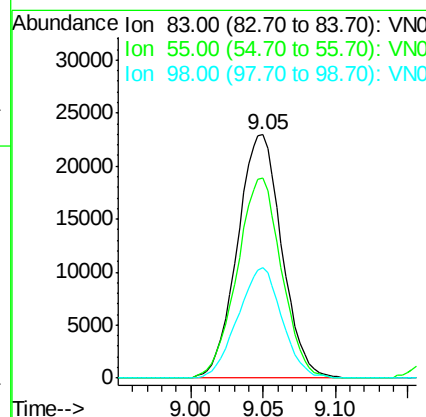
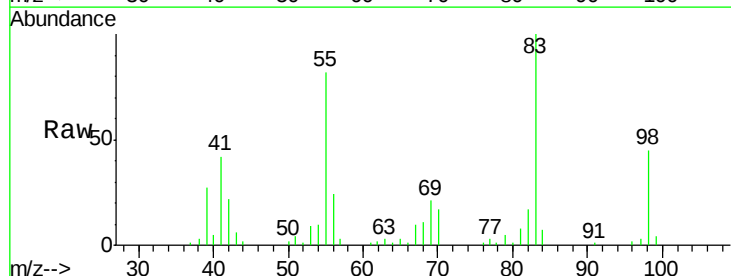
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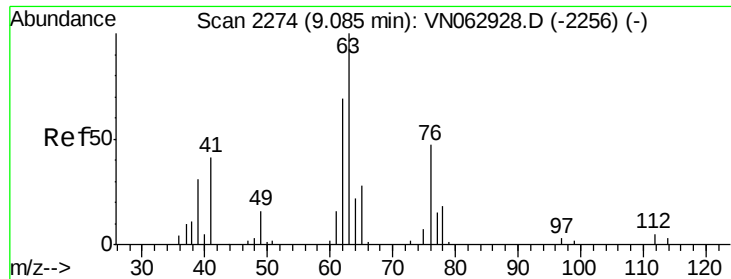
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#38
 Methylcyclohexane
 Concen: 18.570 ug/l
 RT: 9.05 min Scan# 2263
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Tgt Ion: 83 Resp: 48802
 Ion Ratio Lower Upper
 83 100
 55 82.2 40.8 122.5
 98 45.2 22.3 66.8





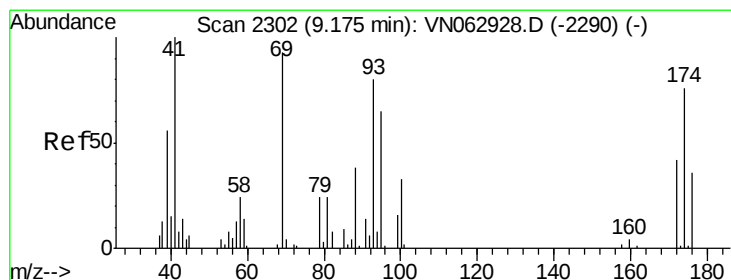
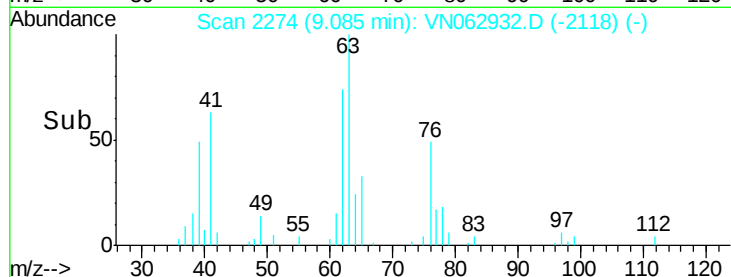
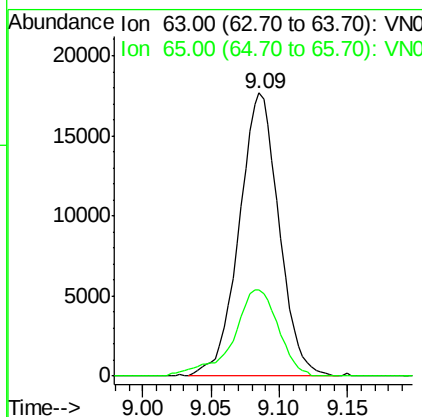
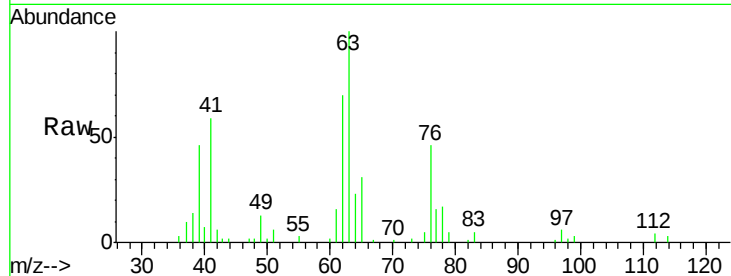
#39
 1,2-Dichloropropane
 Concen: 19.869 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081420

Tot Ion	63	Resp	35822
Ion Ratio	100	Lower	Upper
63	100		
65	30.6	23.8	35.6

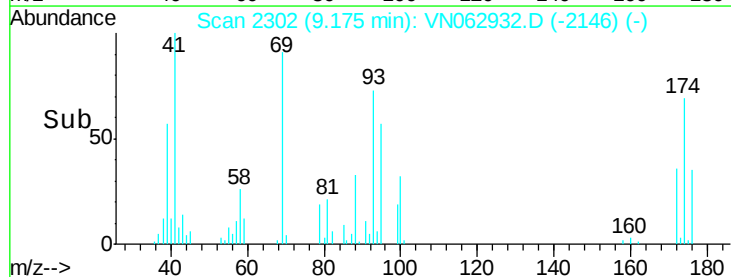
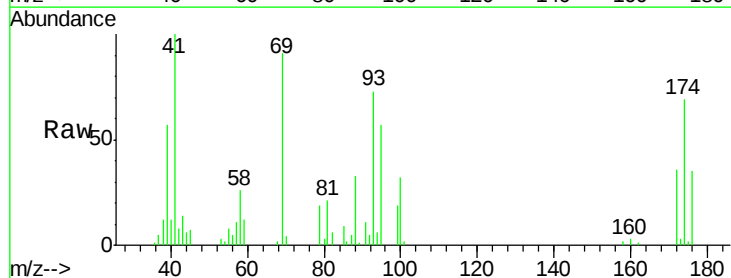
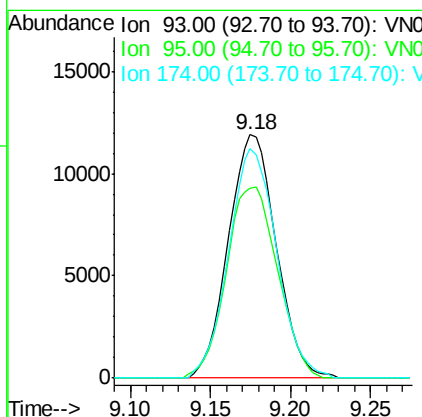
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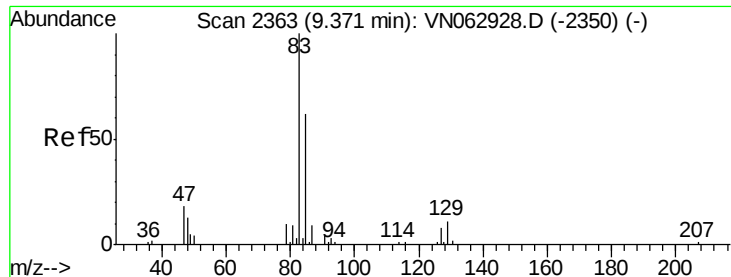
MMDadoda
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#40
 Dibromomethane
 Concen: 19.934 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Tgt Ion	93	Resp	24343
Ion Ratio	100	Lower	Upper
93	100		
95	84.1	0.0	161.8
174	94.5	0.0	190.0





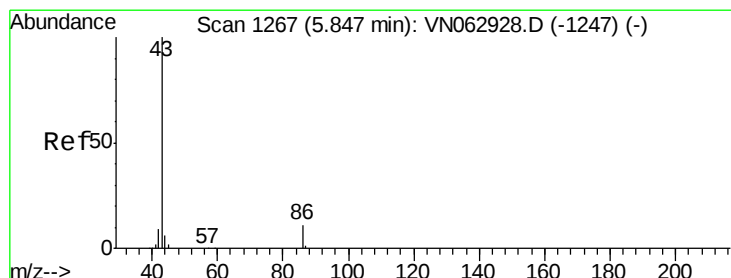
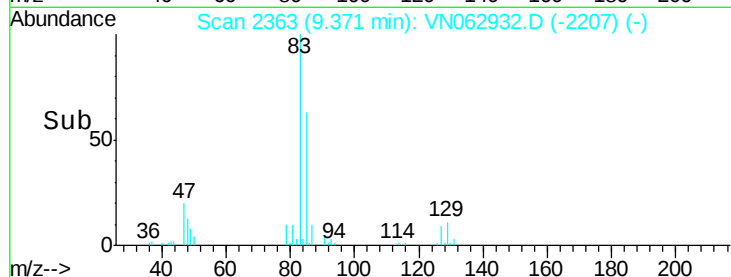
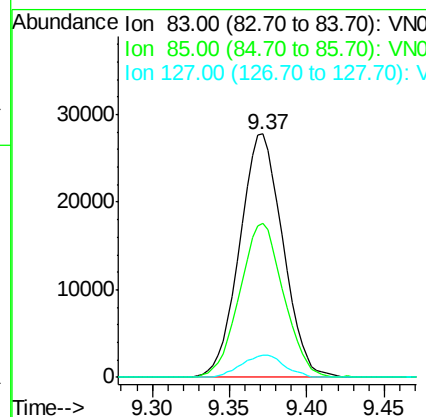
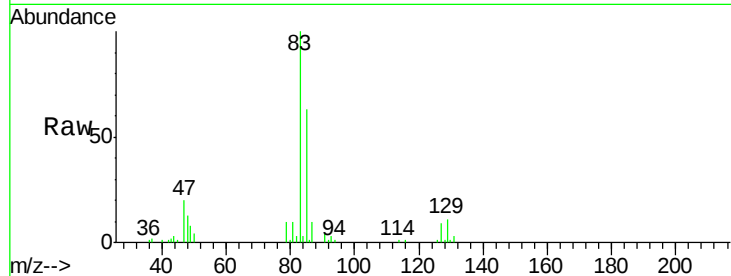
#41
 Bromodichloromethane
 Concen: 19.702 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081420

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.1	49.9	74.9
127	9.0	7.1	10.7

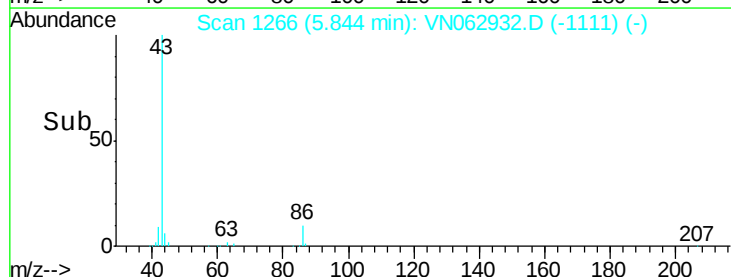
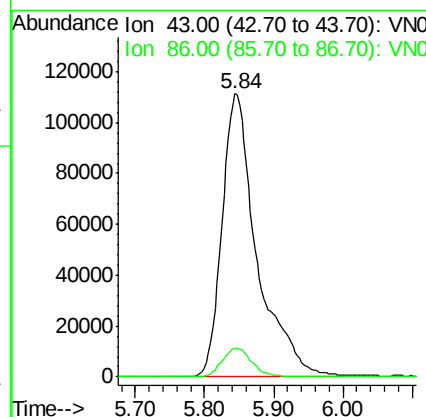
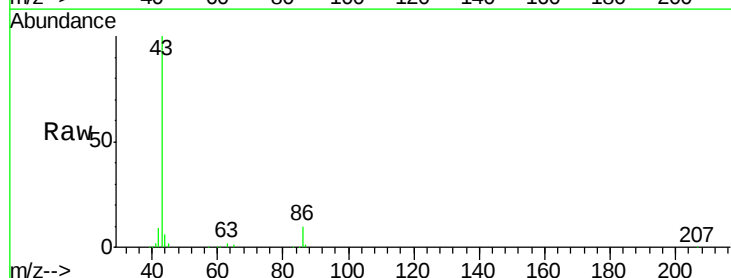
Manual Integrations
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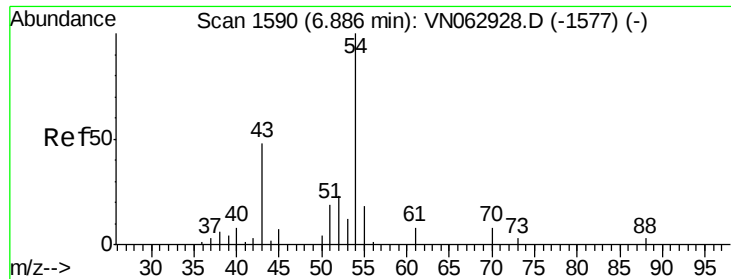
MMDadoda
 8/17/2020 5:45:02 PM



#42
 Vinyl Acetate
 Concen: 101.870 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.7	7.1	10.7





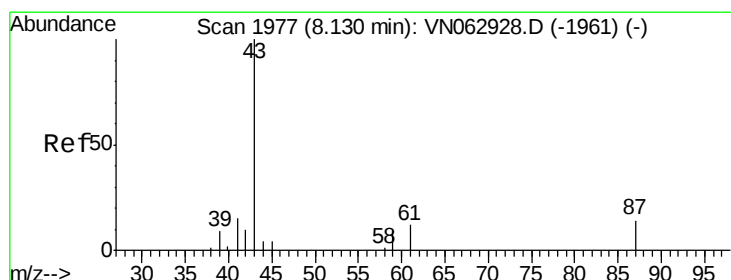
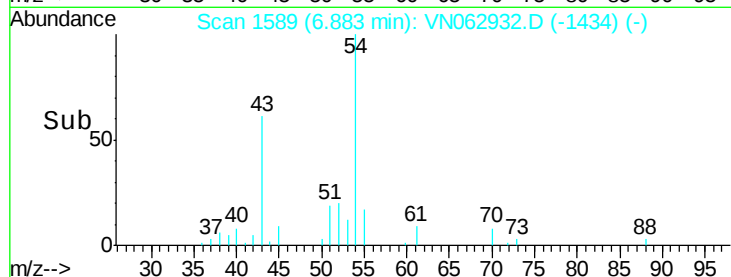
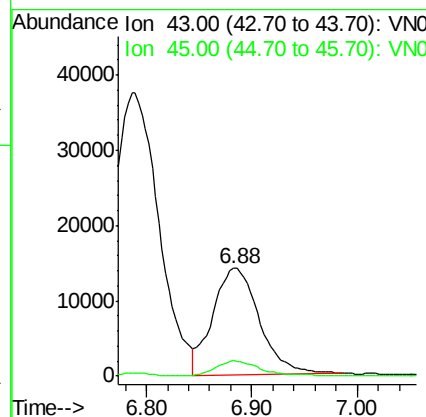
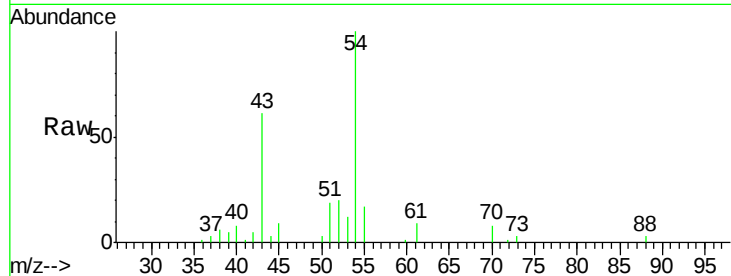
#43
Ethyl Acetate
Concen: 19.536 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081420

Tot Ion: 43 Resp: 43525
Ion Ratio Lower Upper
43 100
45 13.0 6.6 9.8#

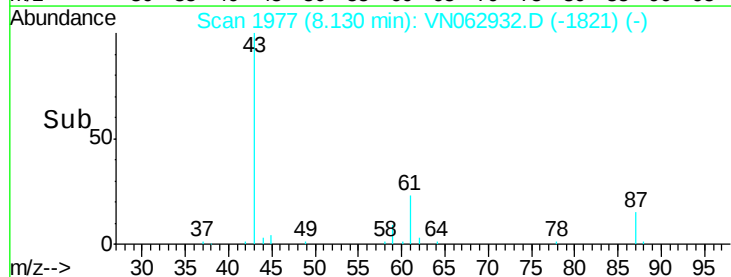
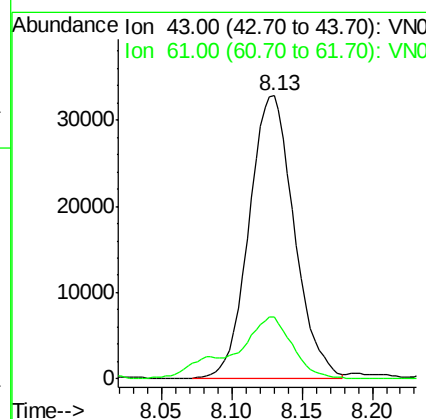
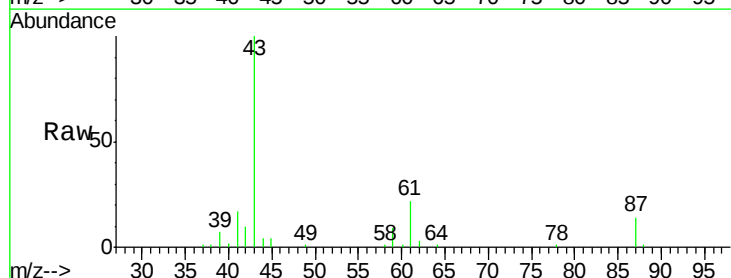
Manual Integrations
APPROVED

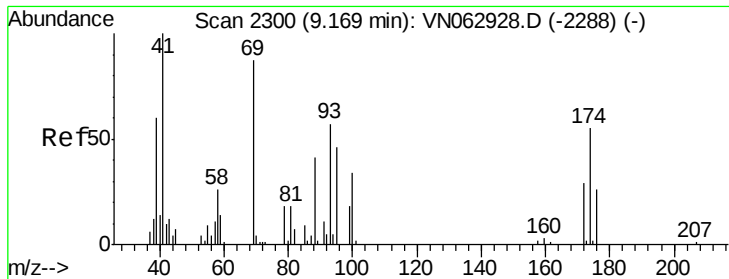
MMDadoda
8/17/2020 5:45:02 PM



#44
Isopropyl Acetate
Concen: 20.226 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Tgt Ion: 43 Resp: 73586
Ion Ratio Lower Upper
43 100
61 21.2 17.2 25.8





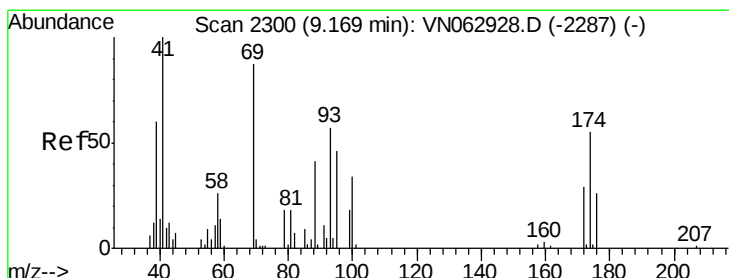
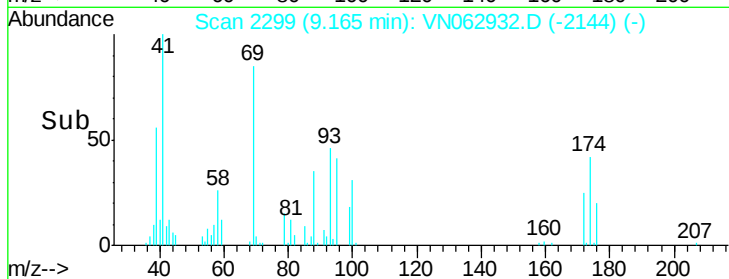
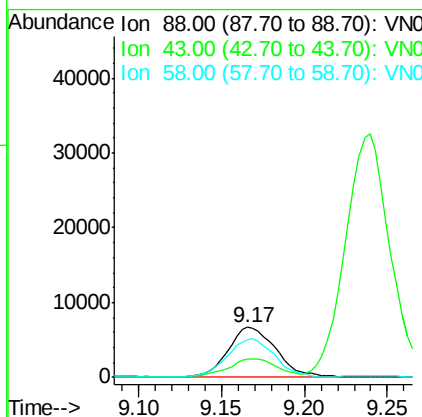
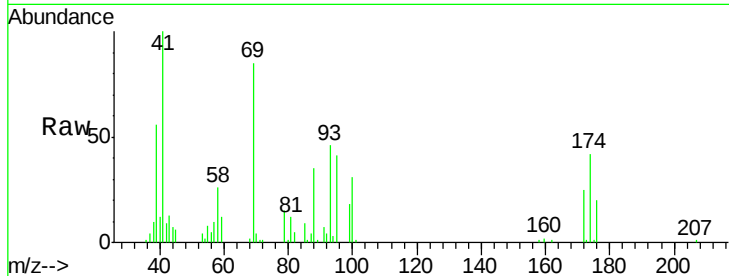
#45
 1,4-Dioxane
 Concen: 378.808 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081420

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	26.0	39.0
58	75.8	54.2	81.2

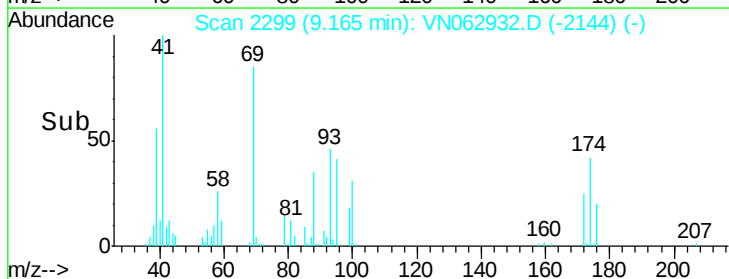
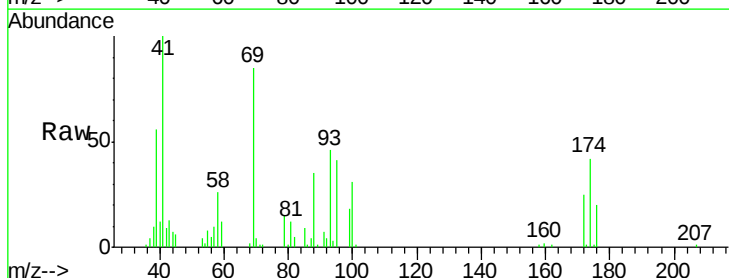
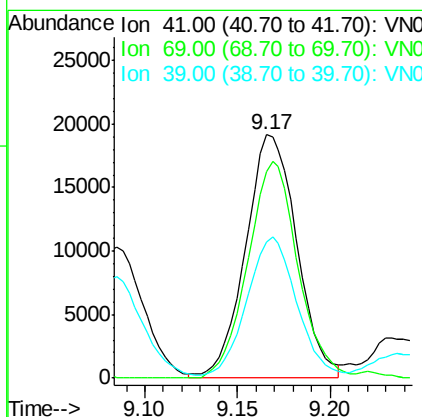
Manual Integrations
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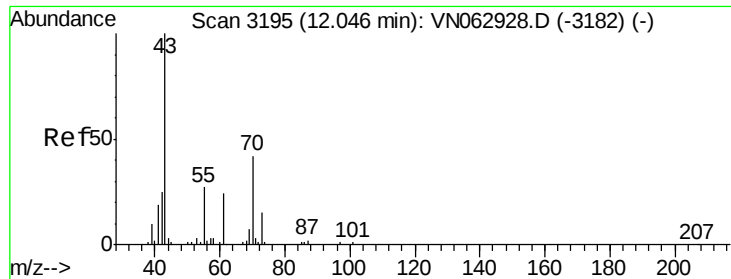
MMDadoda
 8/17/2020 5:45:02 PM



#46
 Methyl methacrylate
 Concen: 20.207 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.8	43.6	130.9
39	54.7	29.9	89.8





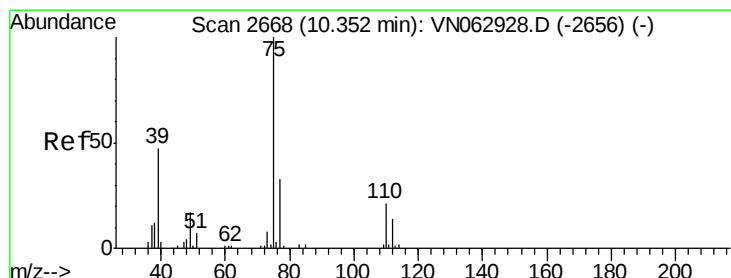
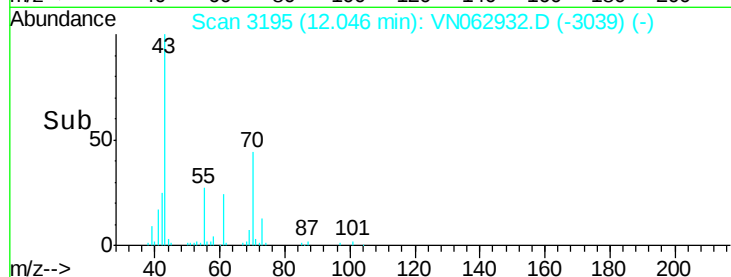
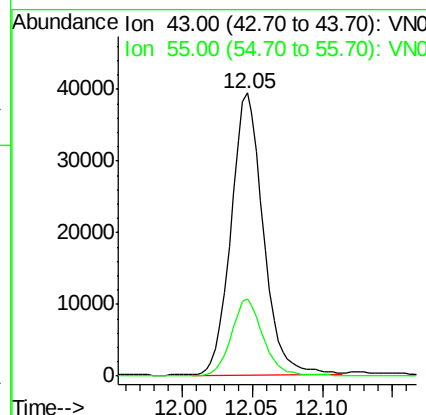
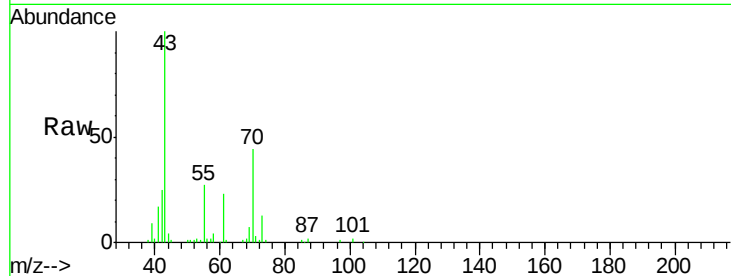
#47
n-amvl Acetate
Concen: 19.372 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Instrument :
MSVOA_N
ClientSampled :
ICVVN081420

Tot Ion: 43 Resp: 62876
Ion Ratio Lower Upper
43 100
55 26.7 20.8 31.2

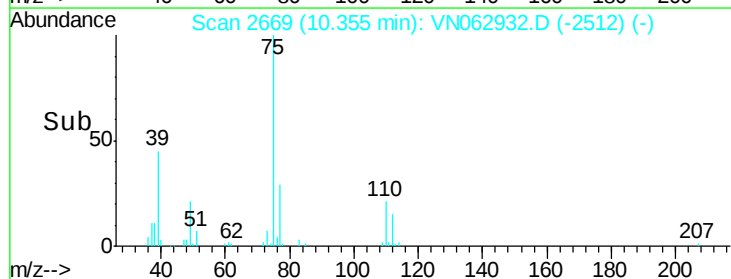
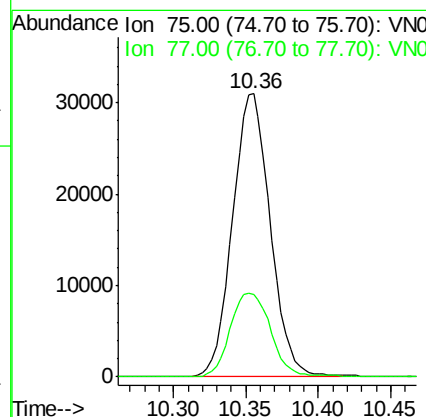
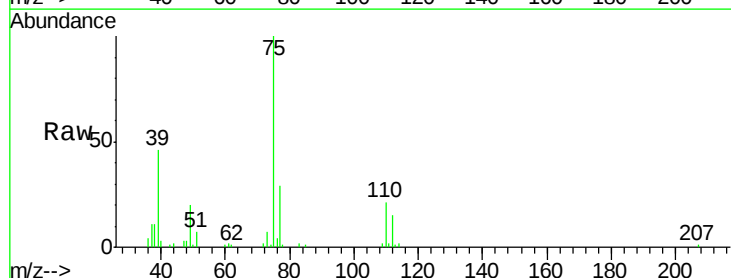
Manual Integrations
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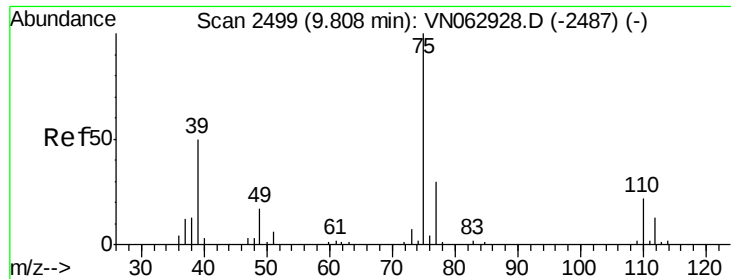
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 19.569 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Tgt Ion: 75 Resp: 56031
Ion Ratio Lower Upper
75 100
77 29.0 26.2 39.2





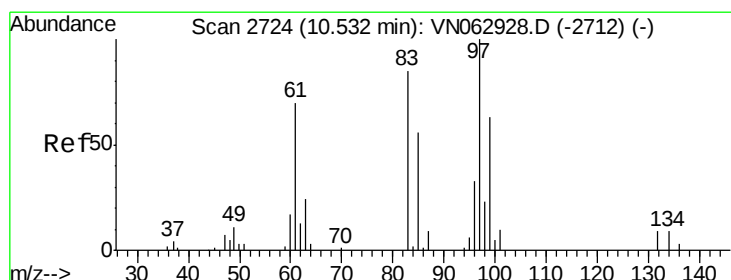
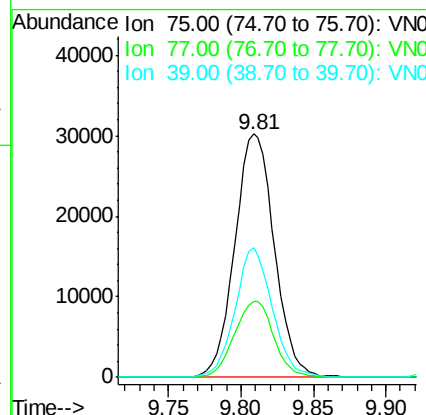
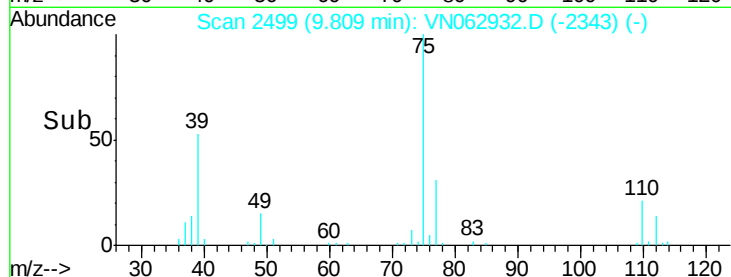
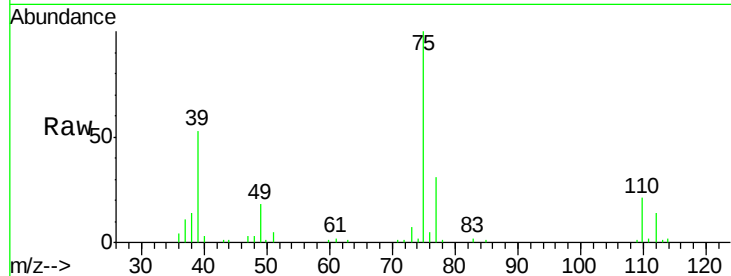
#49
 cis-1,3-Dichloropropene
 Concen: 19.865 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081420

Tot Ion:	75	Resp:	57156
Ion Ratio	Lower	Upper	
75	100		
77	31.0	24.4	36.6
39	53.2	40.2	60.4

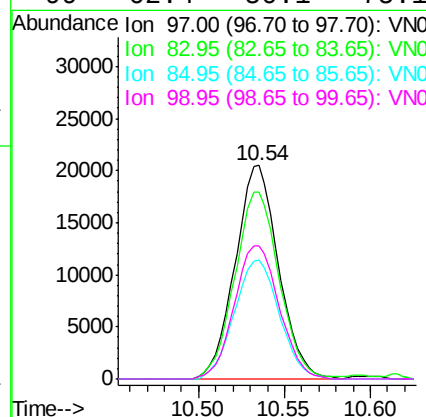
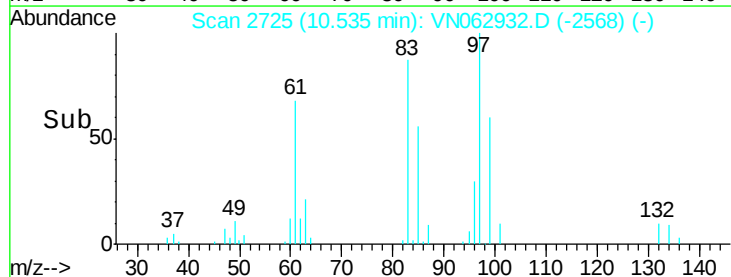
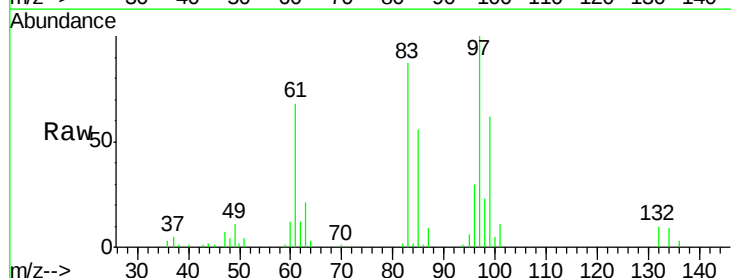
Manual Integrations
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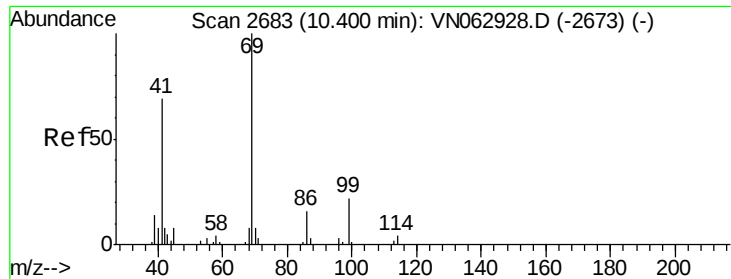
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 20.428 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Tgt Ion:	97	Resp:	35853
Ion Ratio	Lower	Upper	
97	100		
83	87.5	67.8	101.6
85	55.7	44.5	66.7
99	62.4	50.1	75.1





#51

Ethyl methacrylate

Concen: 19.839 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

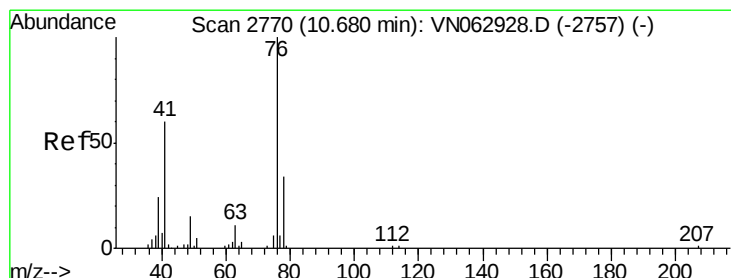
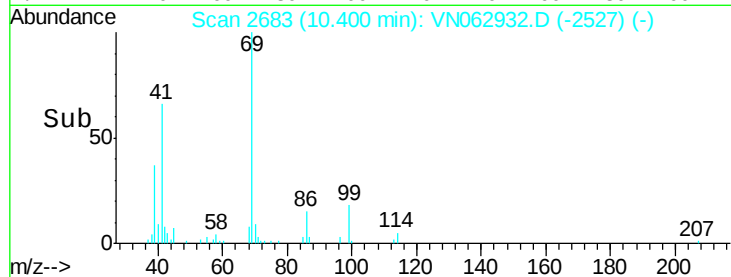
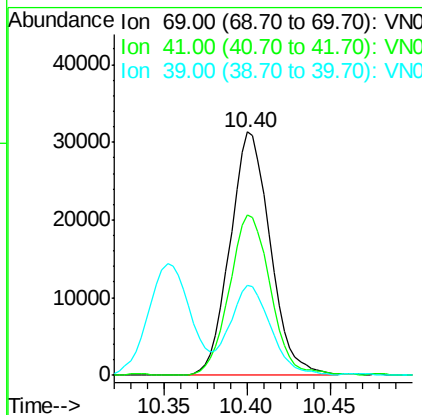
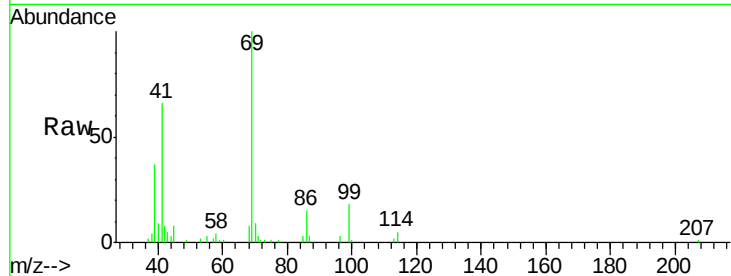
ClientSampleId :

ICVVN081420

Tot Ion:	69	Resp:	53006
Ion	Ratio	Lower	Upper
69	100		
41	65.9	34.8	104.3
39	37.1	18.6	55.8

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#52

1,3-Dichloropropane

Concen: 20.656 ug/l

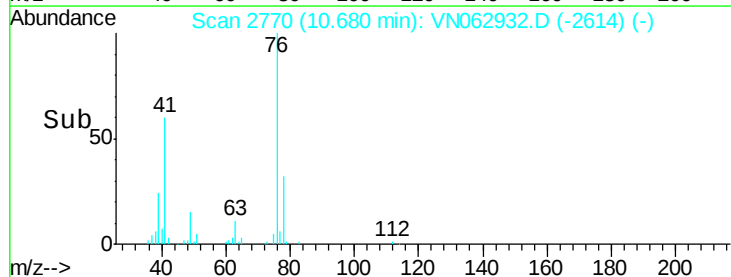
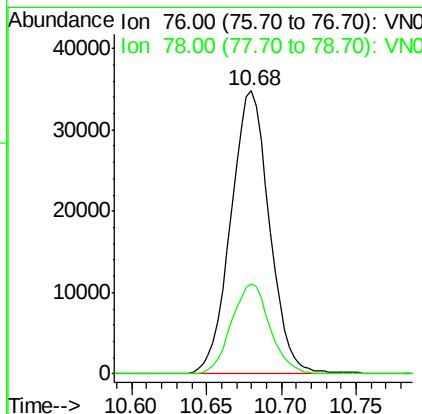
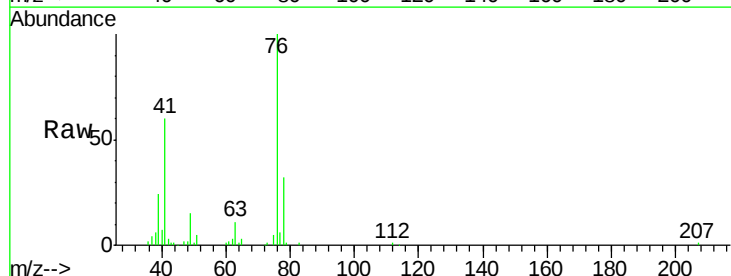
RT: 10.68 min Scan# 2770

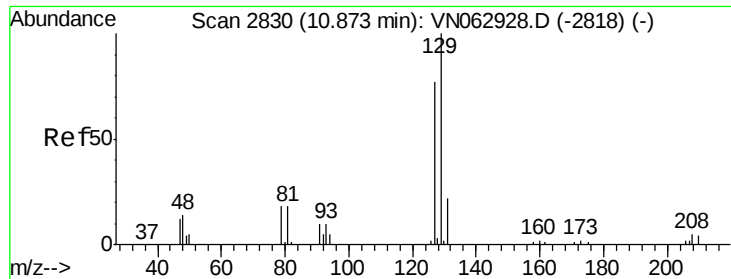
Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Tgt Ion:	76	Resp:	62639
Ion	Ratio	Lower	Upper
76	100		
78	31.4	0.0	66.2





#53

Dibromochloromethane

Concen: 19.856 ug/l

RT: 10.88 min Scan# 2831

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

ClientSampled :

ICVVN081420

Tot Ion:129 Resp: 41658

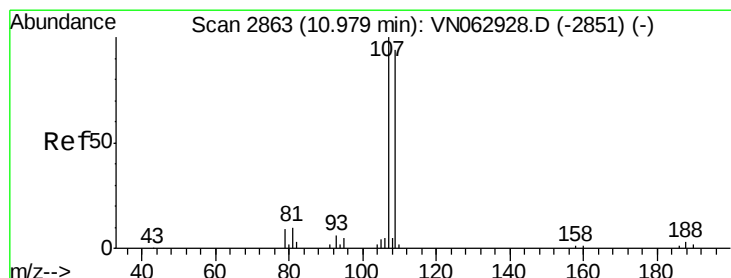
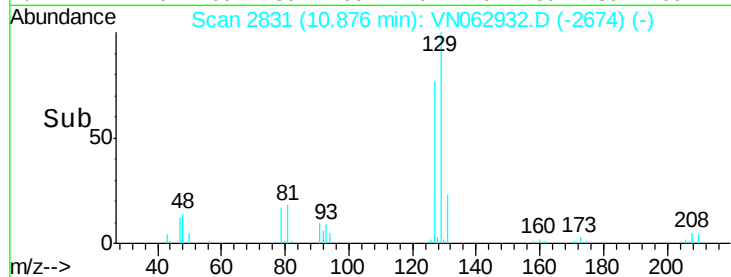
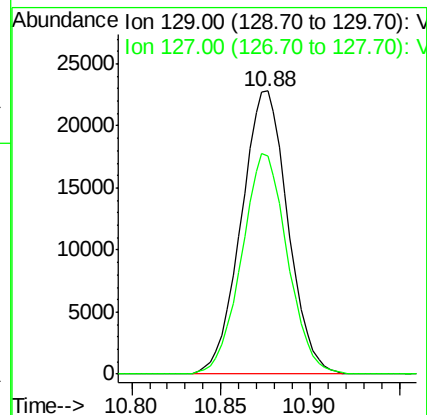
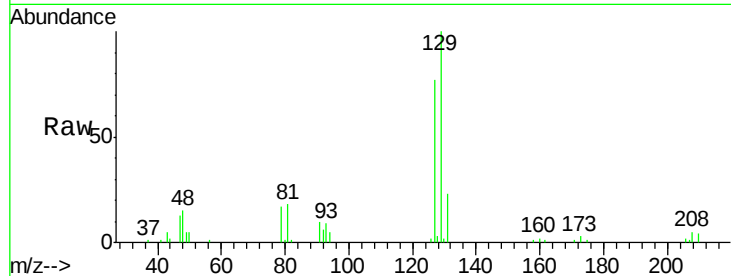
Ion Ratio Lower Upper

129 100

127 76.2 38.1 114.5

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#54

1,2-Dibromoethane

Concen: 21.058 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062932.D

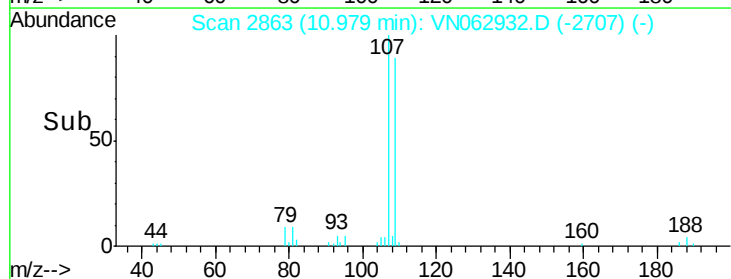
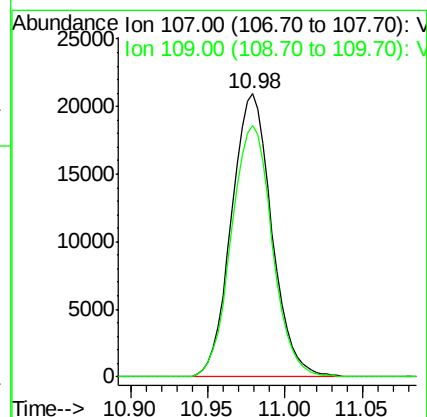
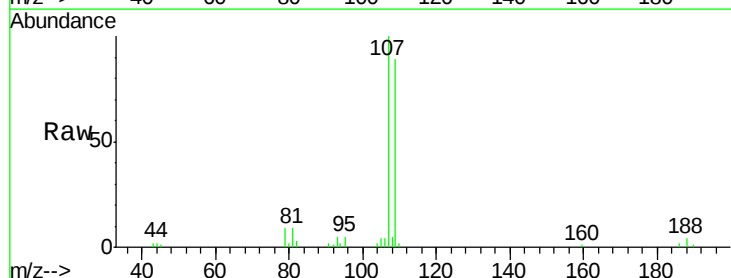
Acq: 14 Aug 2020 00:57

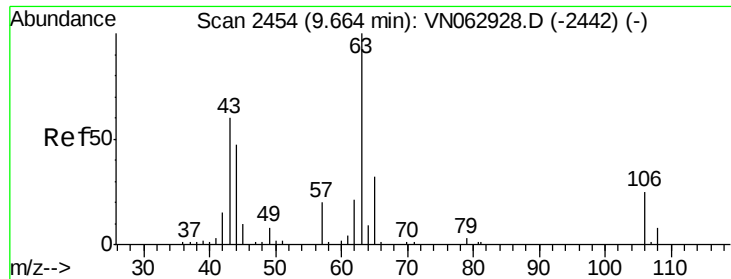
Tgt Ion:107 Resp: 37821

Ion Ratio Lower Upper

107 100

109 89.9 76.9 115.3





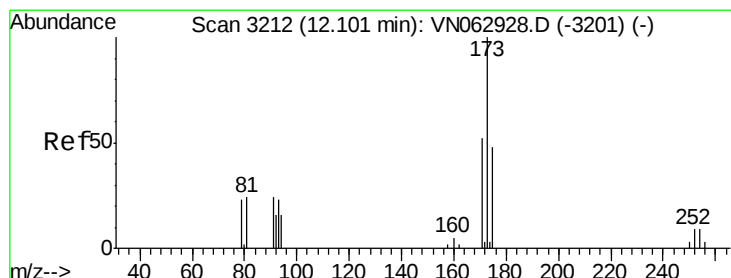
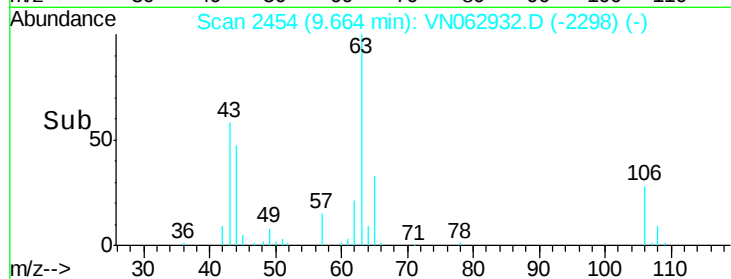
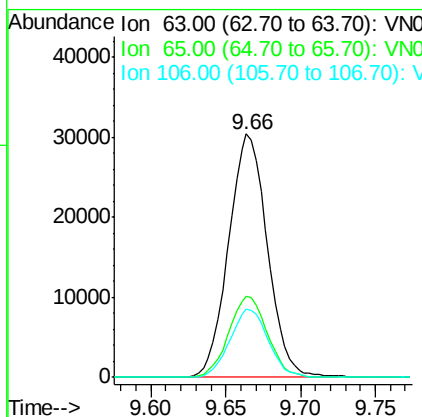
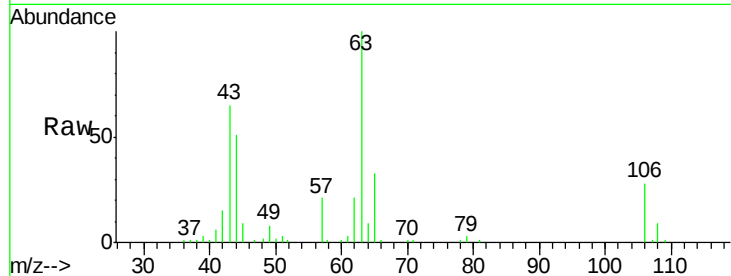
#55
2-Chloroethyl vinyl ether
Concen: 84.741 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081420

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.1	25.8	38.8
106	27.5	20.4	30.6

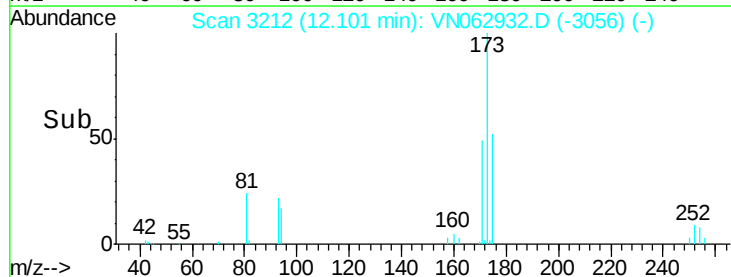
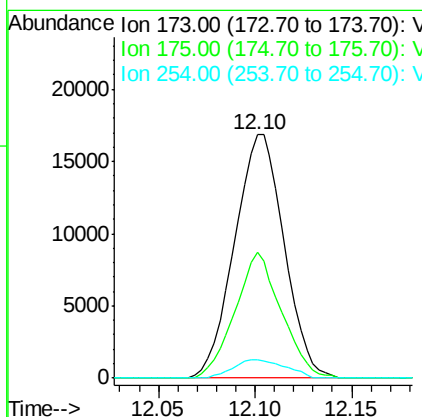
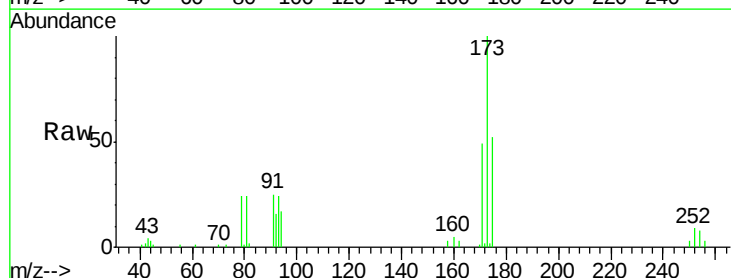
Manual Integrations
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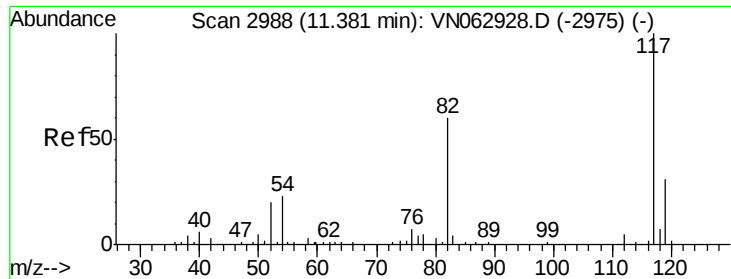
MMDadoda
8/17/2020 5:45:02 PM



#56
Bromoform
Concen: 20.191 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	37.8	56.6
254	8.0	6.9	10.3





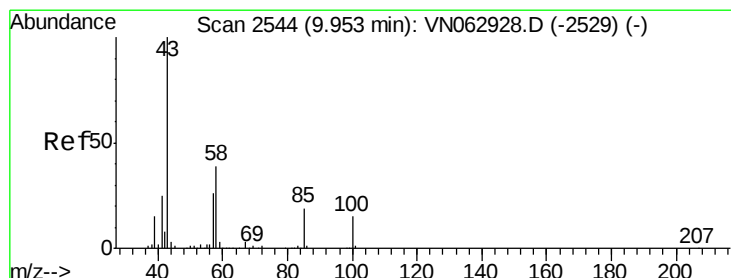
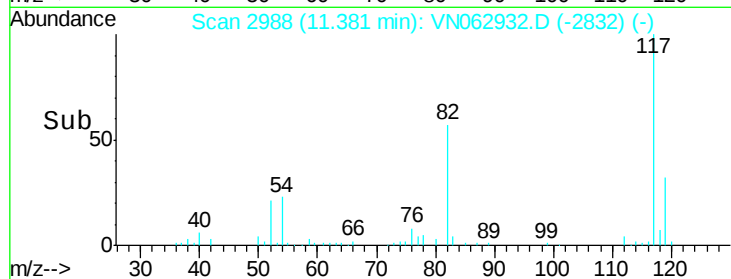
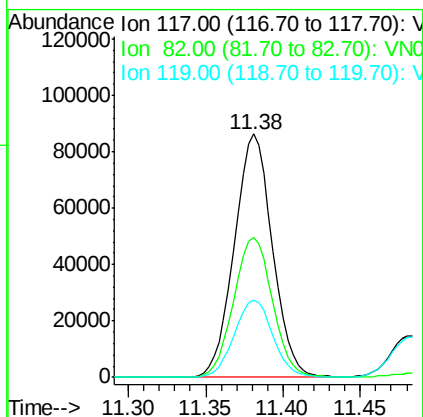
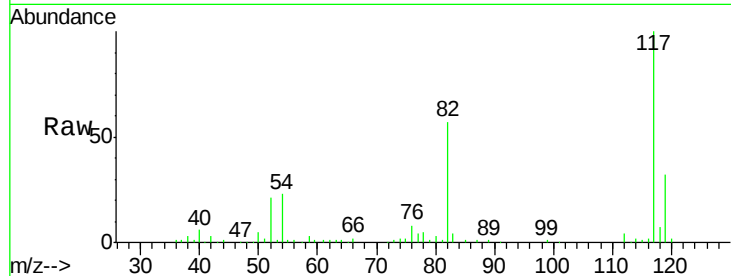
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Instrument :
MSVOA_N
ClientSampled :
ICVVN081420

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.5	71.3
119	32.2	26.0	39.0

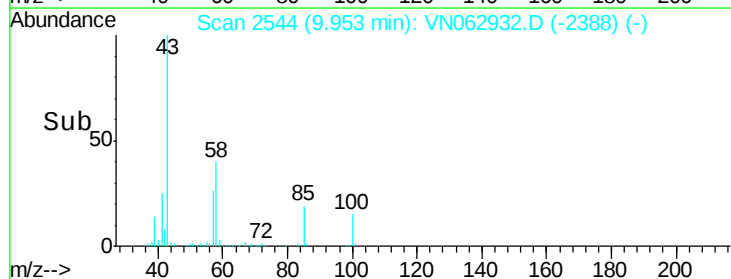
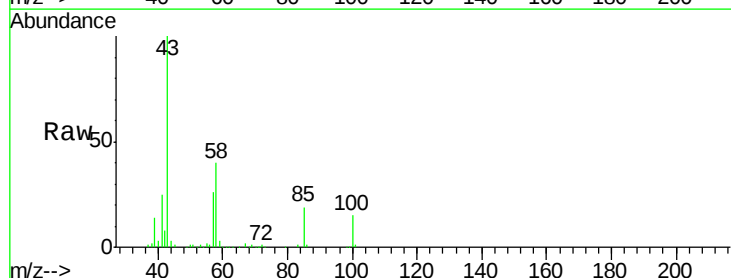
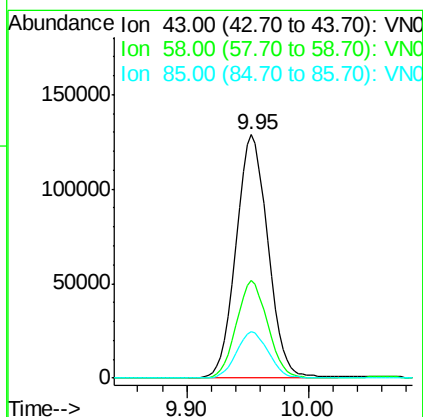
Manual Integrations
APPROVED

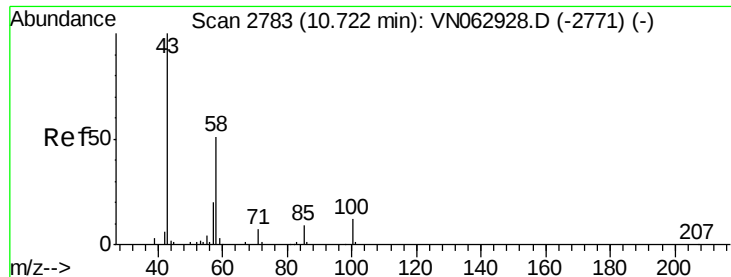
MMDadoda
8/17/2020 5:45:02 PM



#58
4-Methyl-2-Pentanone
Concen: 90.855 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.3	46.9
85	19.0	15.2	22.8





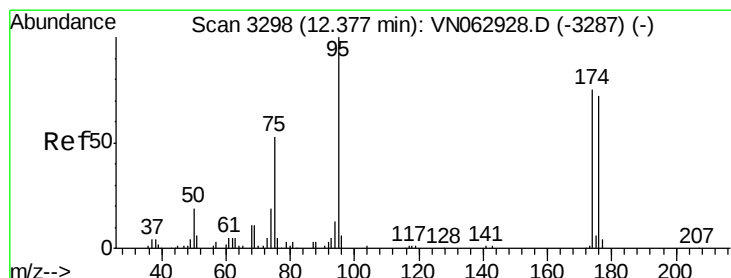
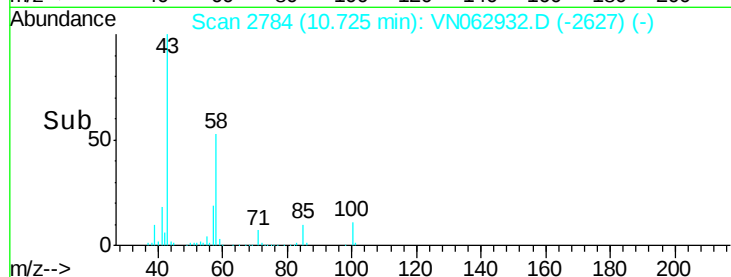
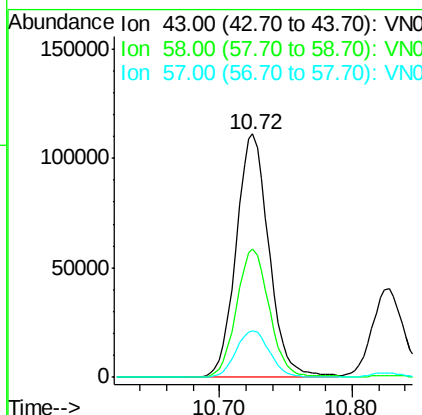
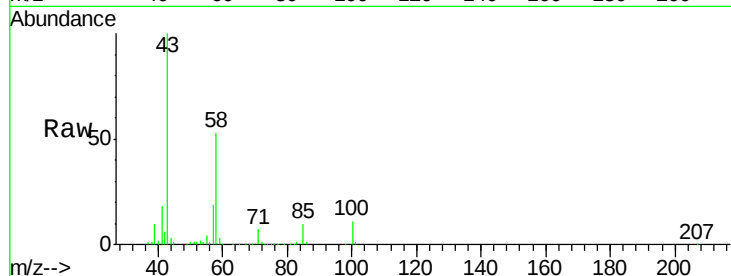
#59
2-Hexanone
Concen: 101.210 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081420

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	41.8	62.6
57	19.7	16.2	24.2

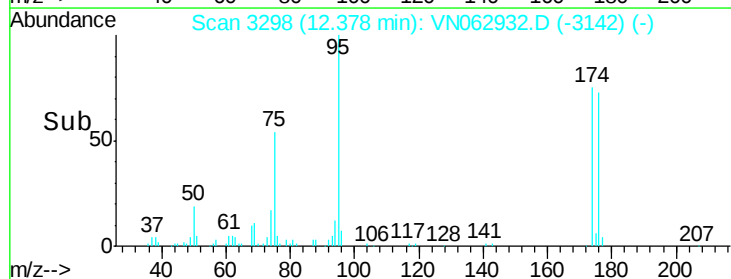
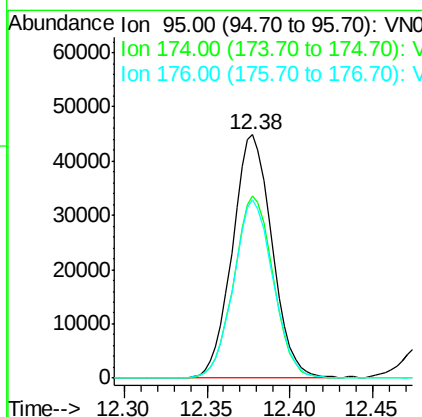
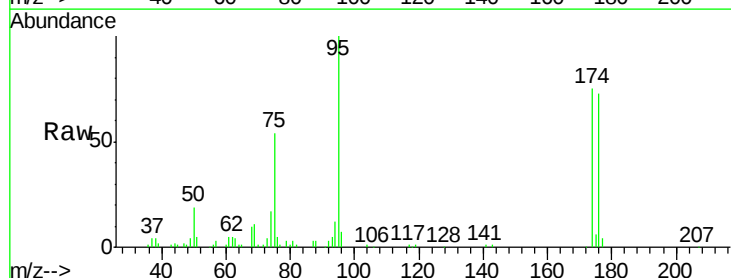
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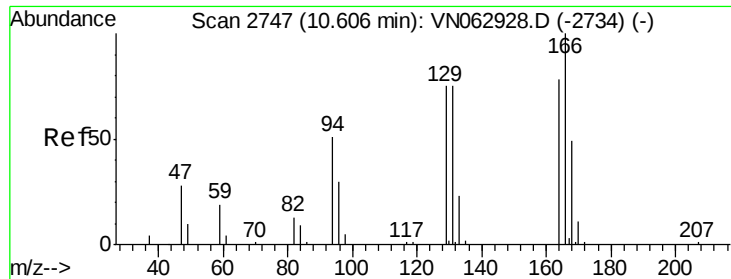
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 28.709 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.4	60.9	91.3
176	73.0	57.8	86.8





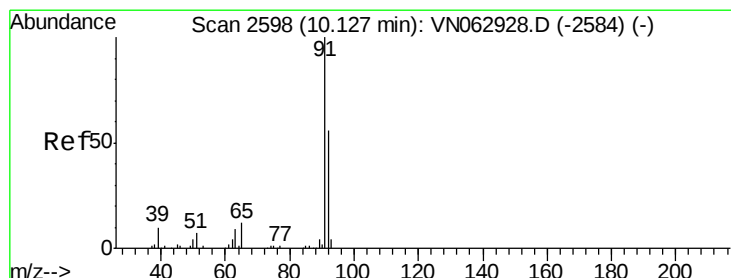
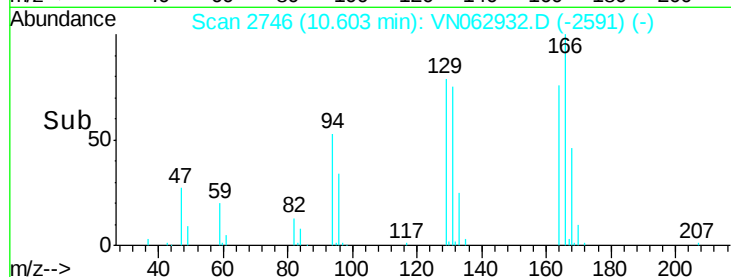
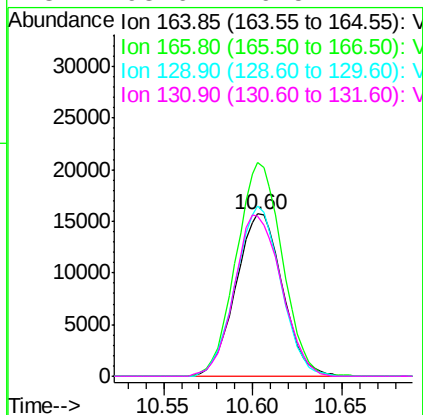
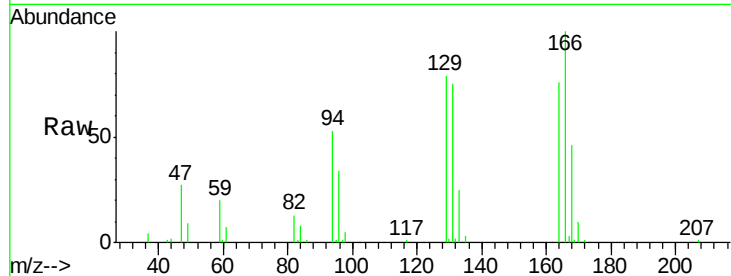
#61
Tetrachloroethene
Concen: 18.747 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081420

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.5	101.9	152.9
129	104.5	76.4	114.6
131	98.6	76.5	114.7

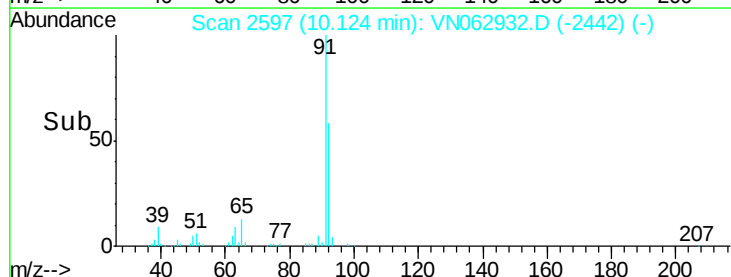
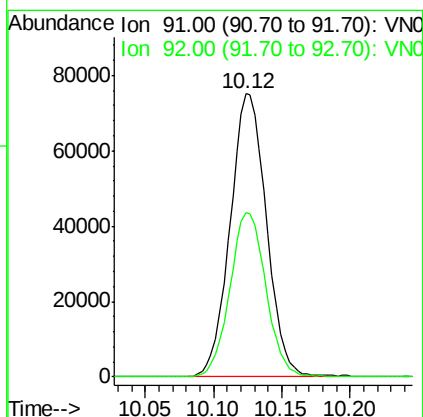
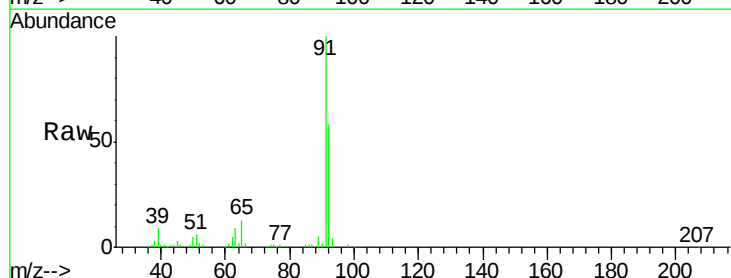
Manual Integrations
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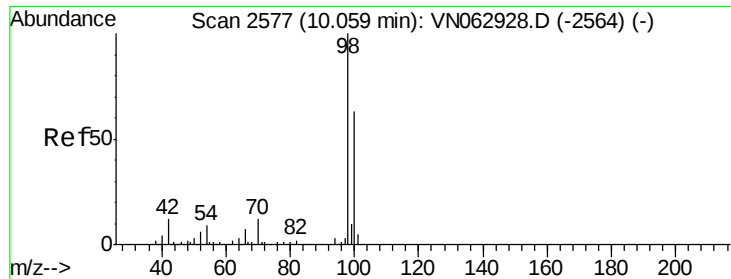
MMDadoda
8/17/2020 5:45:02 PM



#62
Toluene
Concen: 17.816 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.6	45.2	67.8





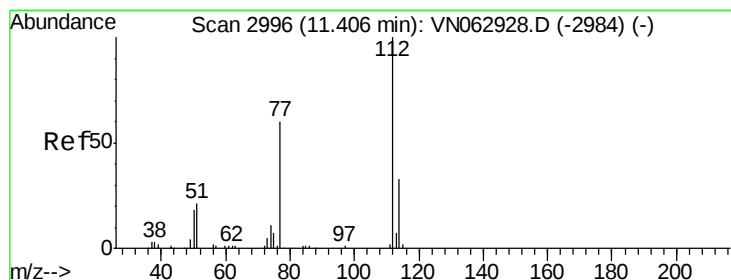
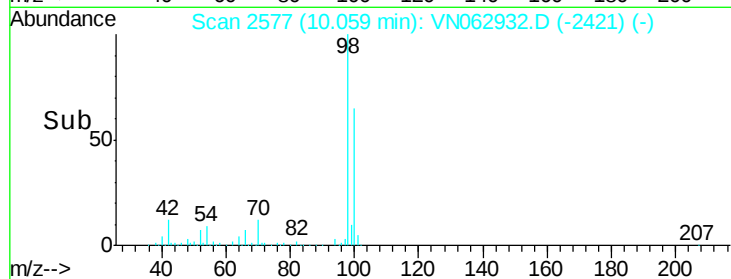
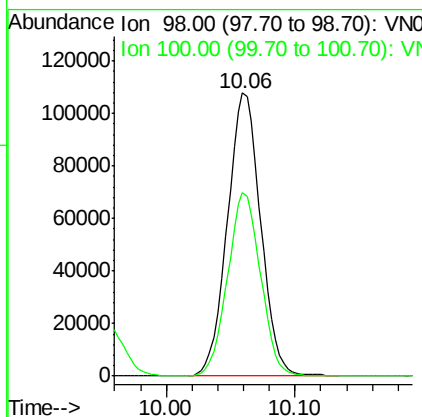
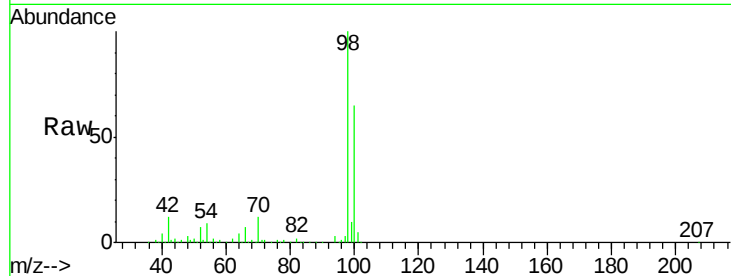
#63
Toluene-d8
Concen: 27.939 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Instrument :
MSVOA_N
ClientSampleId :
ICVFN081420

Tot Ion: 98 Resp: 192936
Ion Ratio Lower Upper
98 100
100 64.2 51.0 76.6

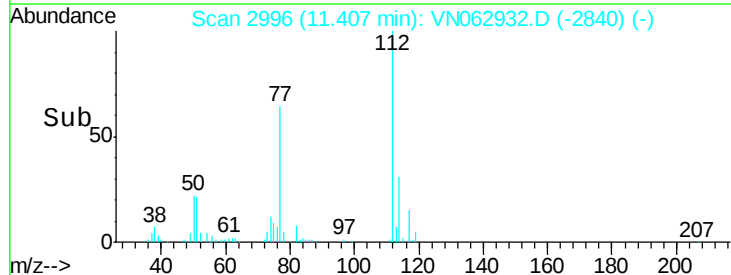
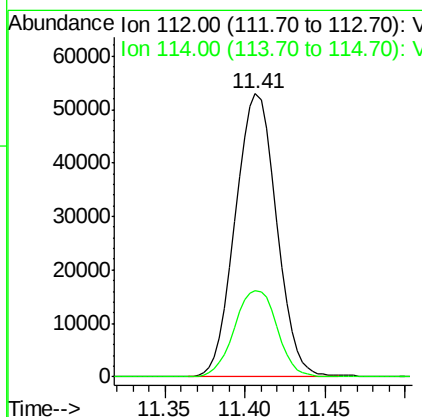
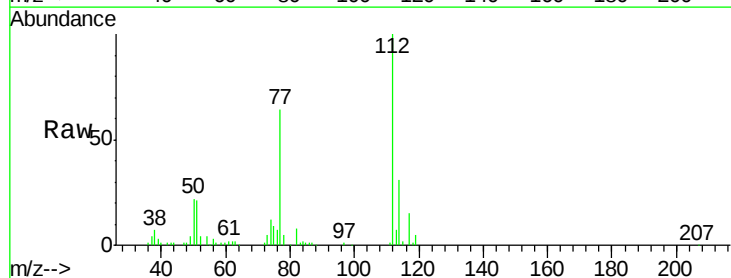
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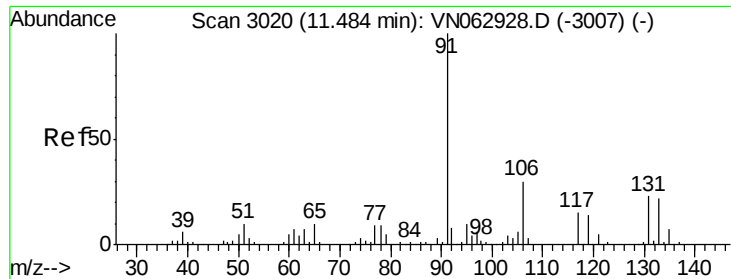
MMDadoda
8/17/2020 5:45:02 PM



#64
Chlorobenzene
Concen: 19.076 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Tgt Ion: 112 Resp: 93182
Ion Ratio Lower Upper
112 100
114 30.5 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.028 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

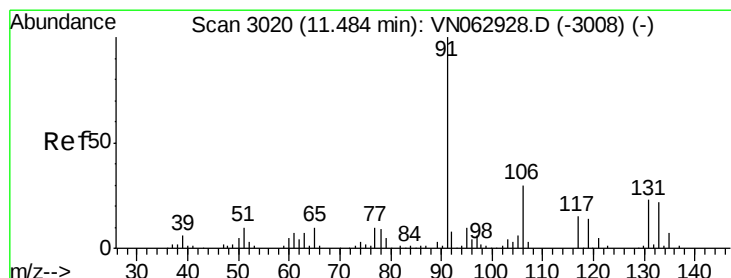
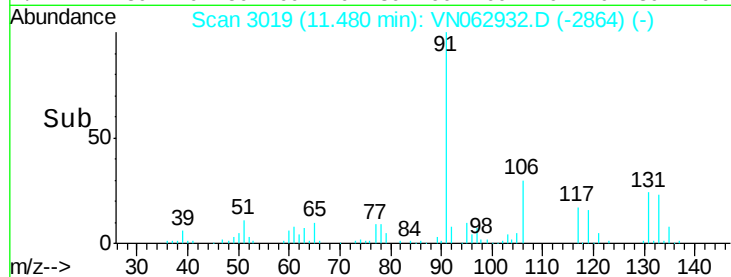
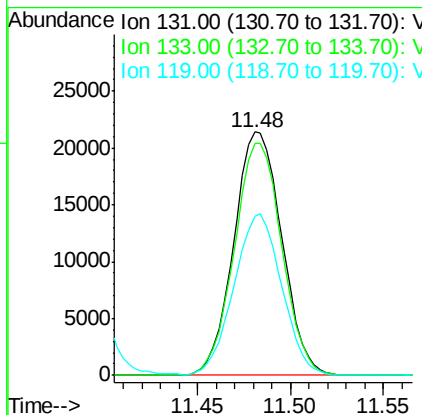
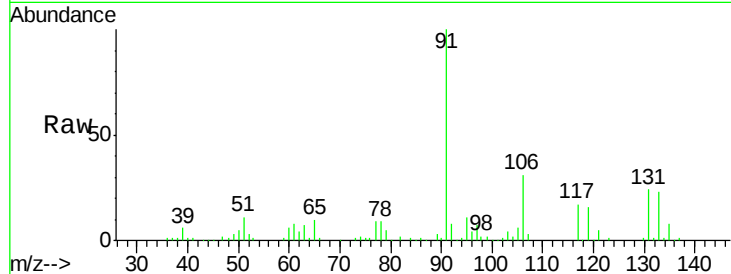
ClientSampled :

ICVVN081420

Tot Ion:131 Resp: 38435
 Ion Ratio Lower Upper
 131 100
 133 94.5 0.0 192.6
 119 65.9 0.0 125.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.648 ug/l

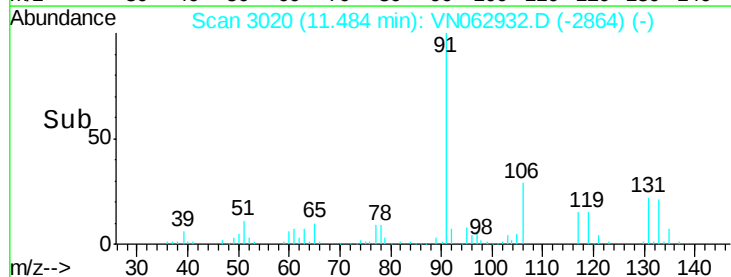
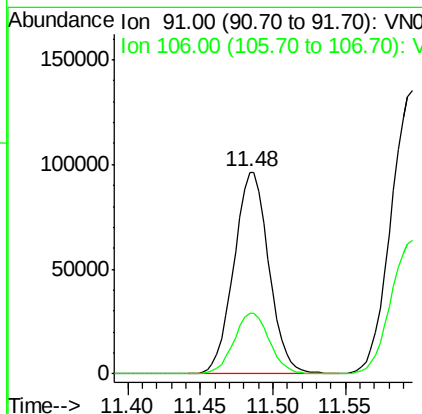
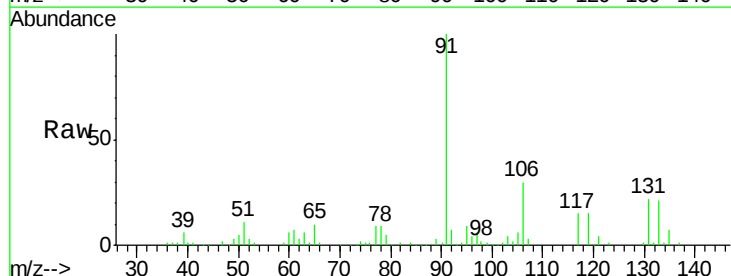
RT: 11.48 min Scan# 3020

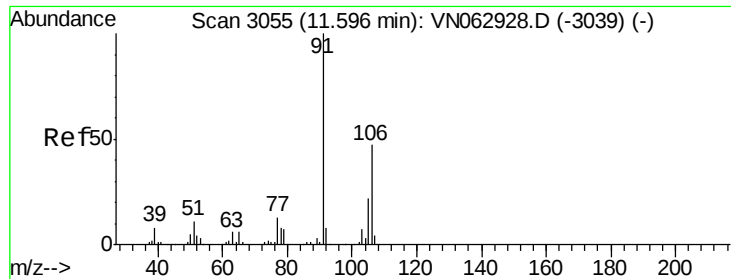
Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Tgt Ion: 91 Resp: 161653
 Ion Ratio Lower Upper
 91 100
 106 30.3 24.0 36.0





#67

m/p-Xvlenes

Concen: 39.062 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

ClientSampled :

ICVVN081420

Tot Ion:106 Resp: 125346

Ion Ratio Lower Upper

106 100

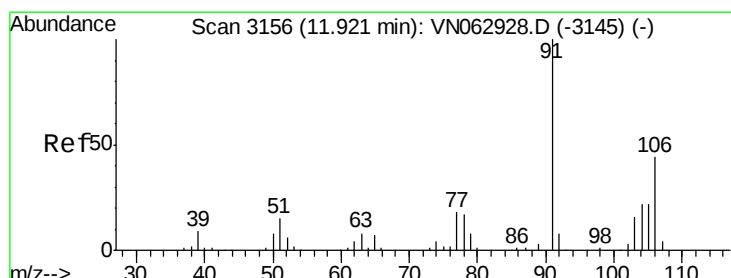
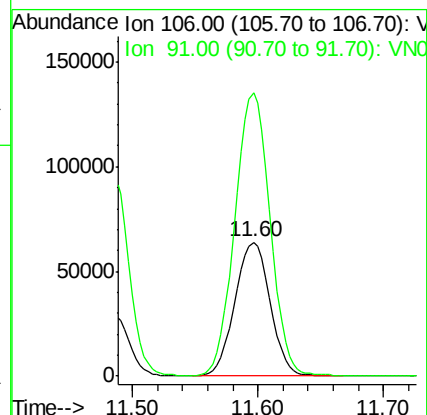
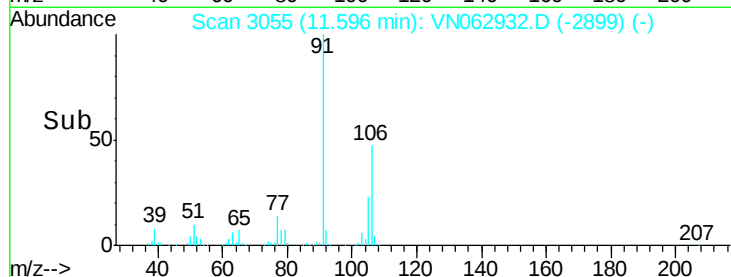
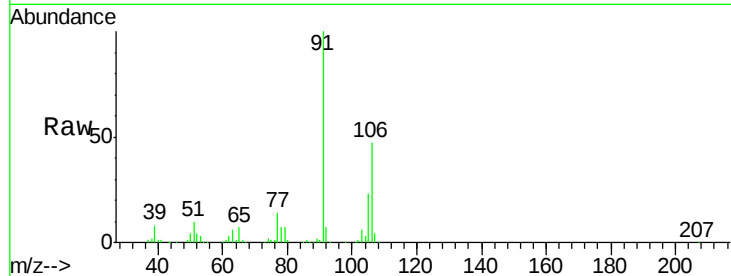
91 209.9 171.0 256.6

Manual Integrations

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#68

o-Xylene

Concen: 19.348 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN062932.D

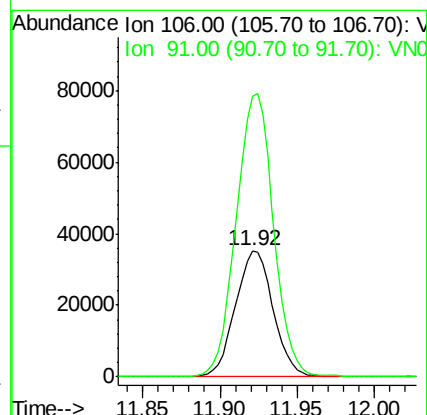
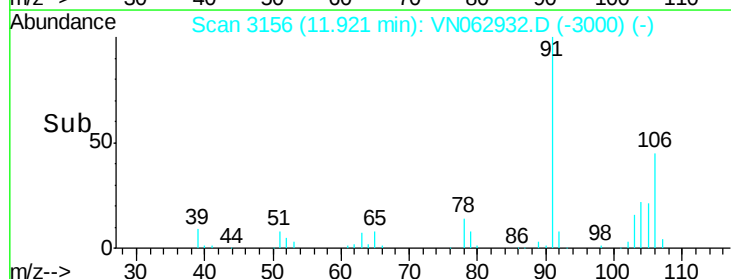
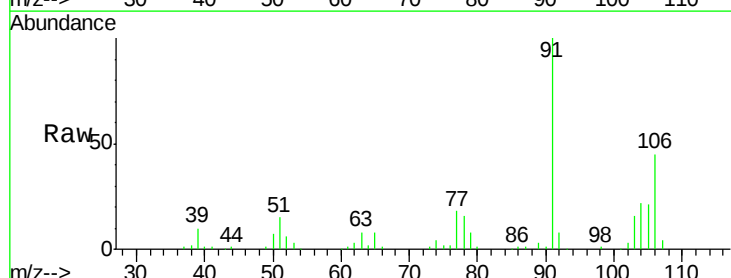
Acq: 14 Aug 2020 00:57

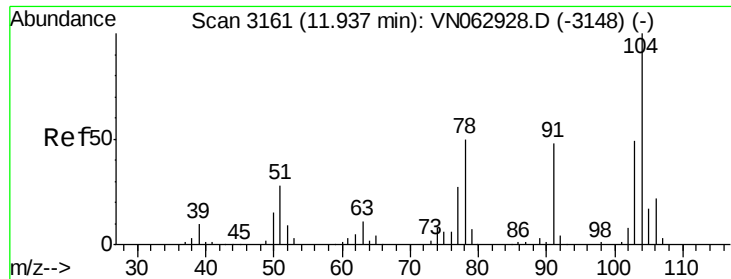
Tgt Ion:106 Resp: 59599

Ion Ratio Lower Upper

106 100

91 222.1 115.4 346.2





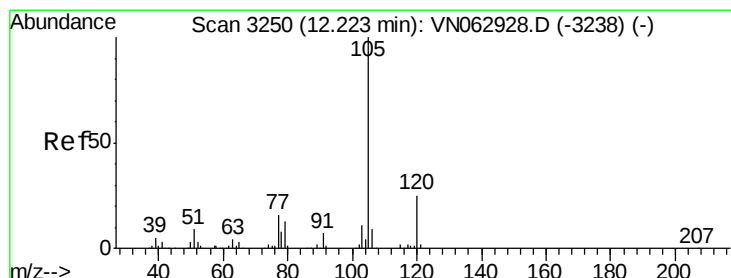
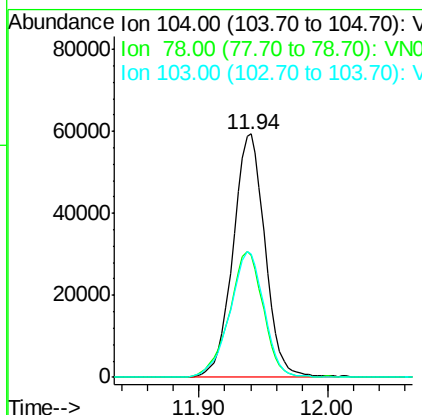
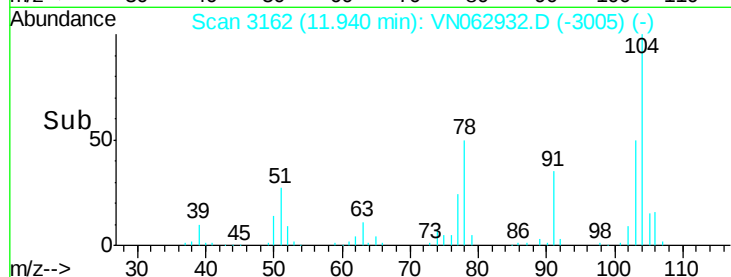
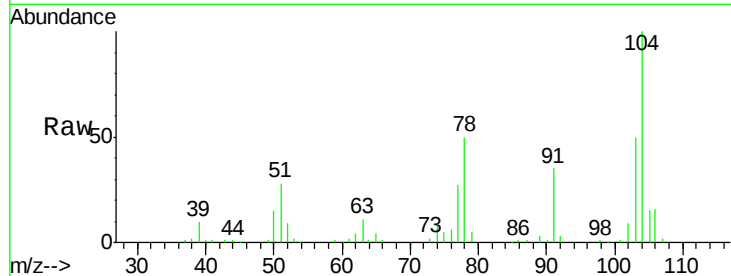
#69
Stvrene
Concen: 18.682 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081420

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		102180		
78	54.9	44.4	66.6		
103	55.1	44.0	66.0		

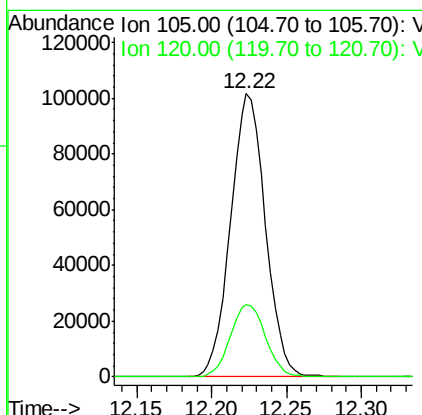
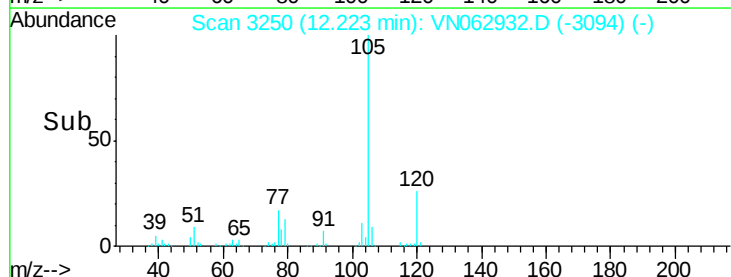
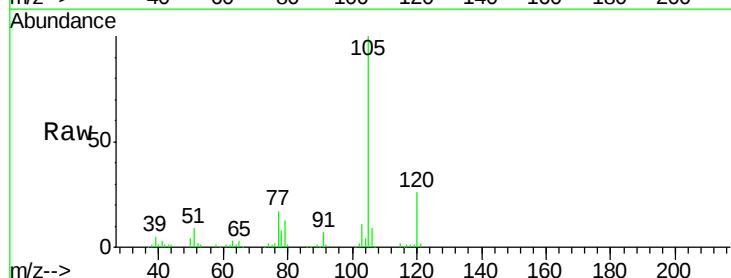
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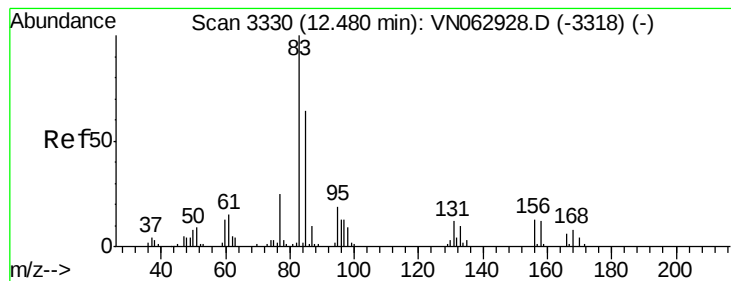
MMDadoda
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#70
Isopropylbenzene
Concen: 18.777 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		164609		
120	25.9	18.0	33.4		





#71

1,1,2,2-Tetrachloroethane

Concen: 19.902 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

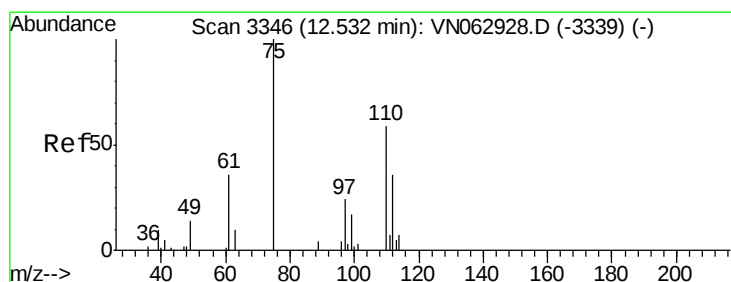
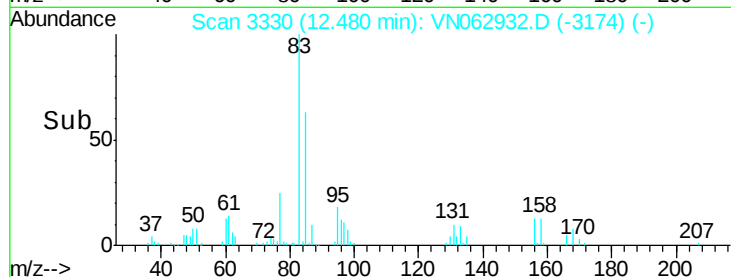
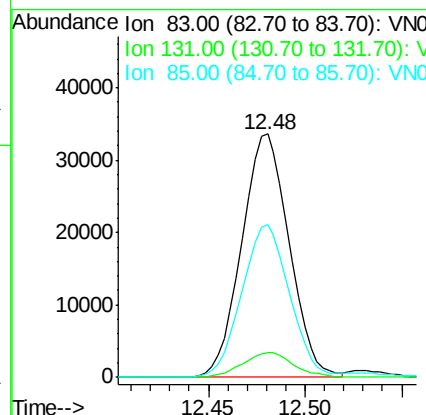
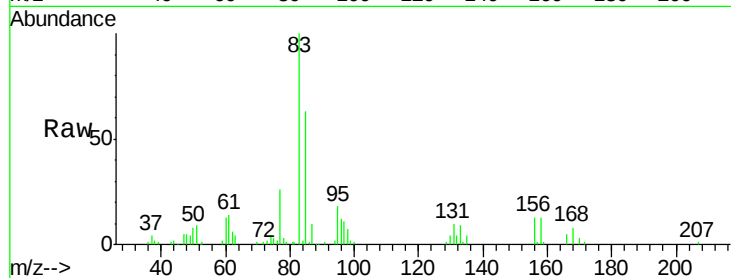
ClientSampled :

ICVVN081420

Tot Ion:	83	Resp:	57428
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.4
85	63.3	31.7	95.1

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#72

1,2,3-Trichloropropane

Concen: 19.494 ug/l m

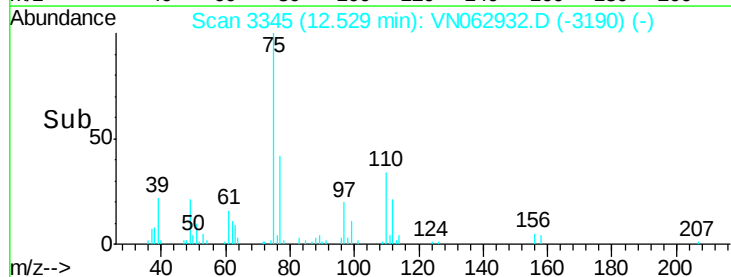
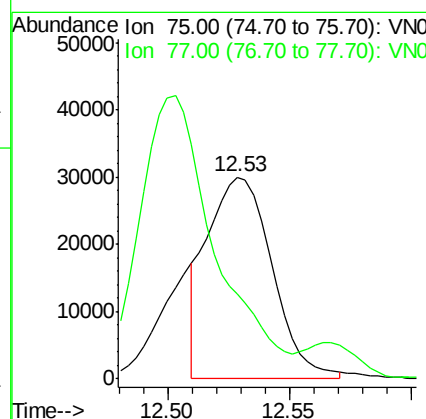
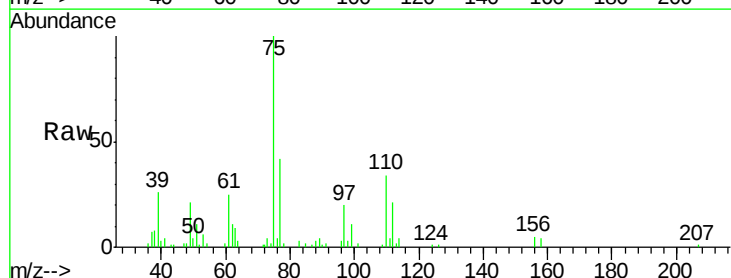
RT: 12.53 min Scan# 3345

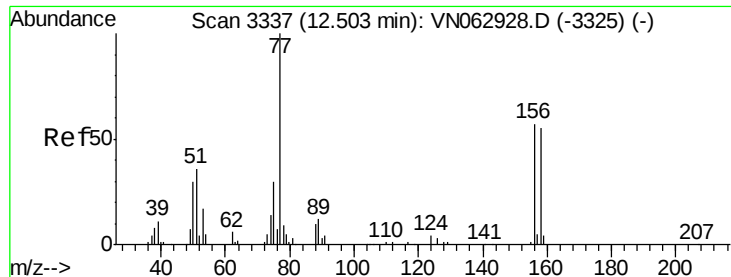
Delta R.T. -0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Tgt Ion:	75	Resp:	55705
Ion Ratio	Lower	Upper	
75	100		
77	164.2	0.0	313.0





#73

Bromobenzene

Concen: 18.909 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

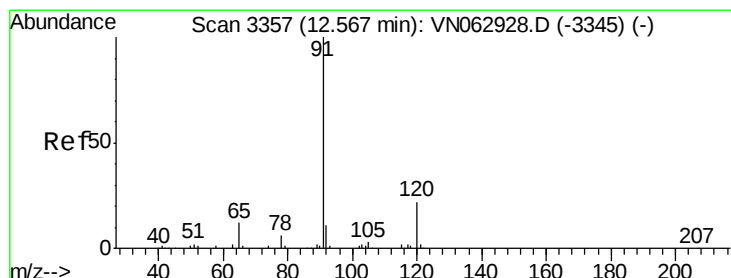
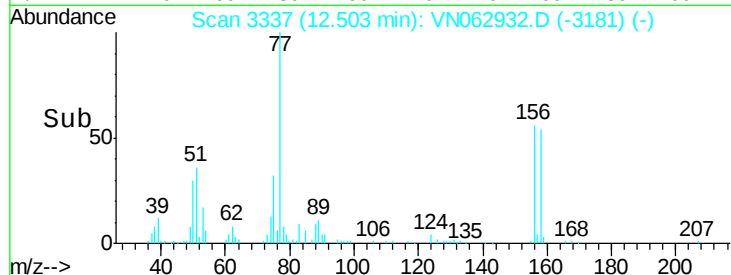
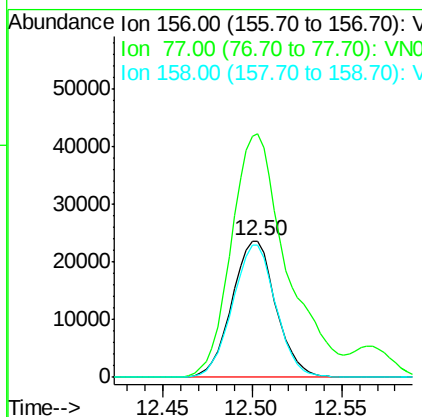
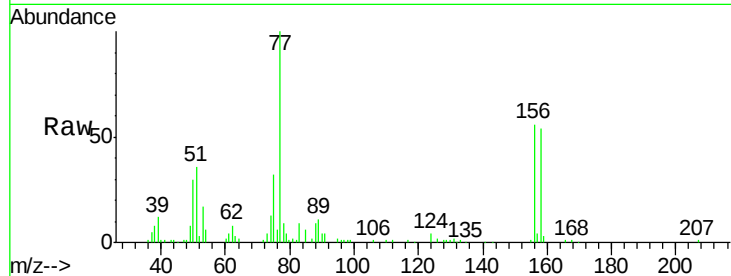
ClientSampled :

ICVVN081420

Tot Ion	Ratio	Lower	Upper
156	100		
77	225.1	0.0	448.4
158	95.7	0.0	195.0

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#74

n-propylbenzene

Concen: 18.607 ug/l

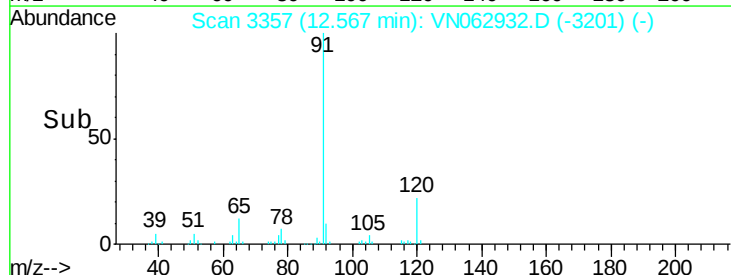
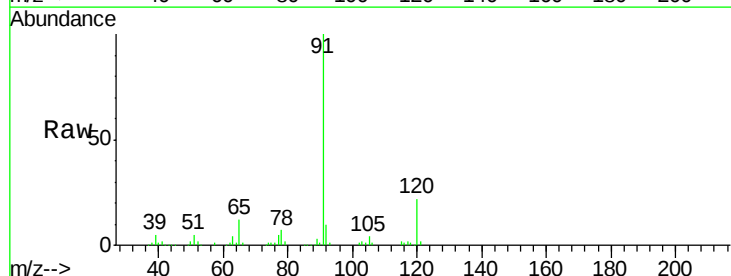
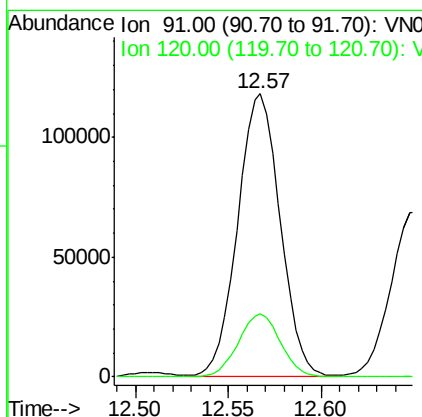
RT: 12.57 min Scan# 3357

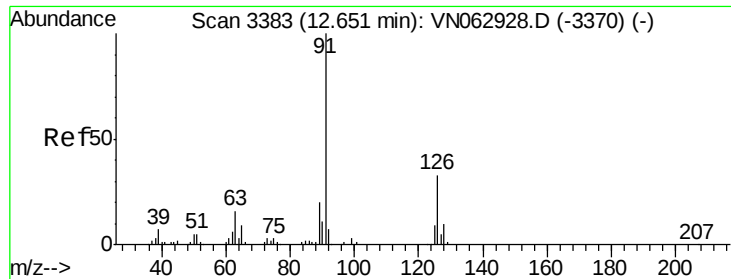
Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	0.0	43.4





#75

2-Chlorotoluene

Concen: 18.335 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081420

Tot Ion: 91 Resp: 116442

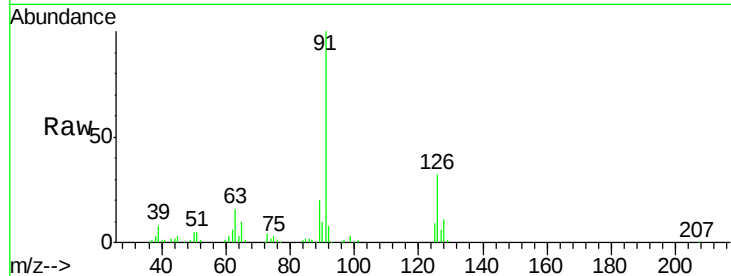
Ion Ratio Lower Upper

91 100

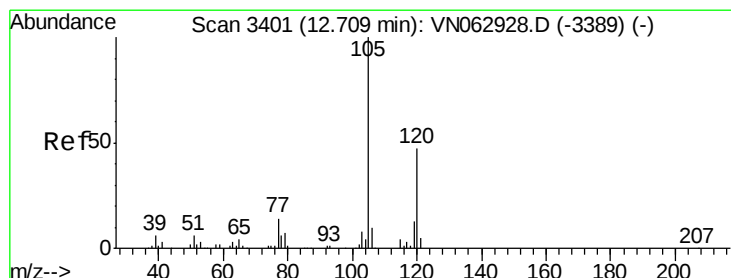
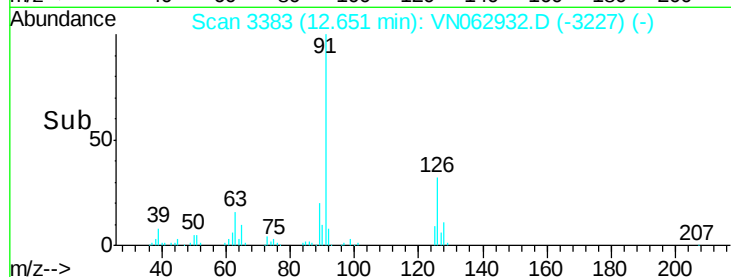
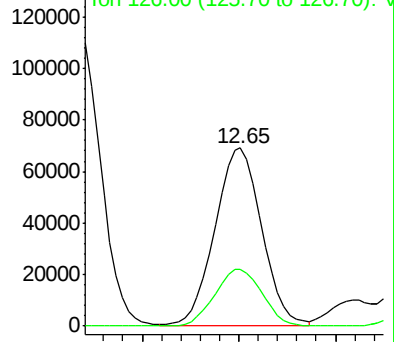
126 32.3 0.0 63.0

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Abundance Ion 91.00 (90.70 to 91.70): VN062932.D (-3227) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.268 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062932.D

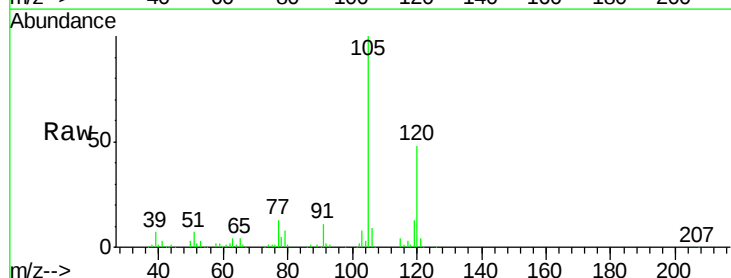
Acq: 14 Aug 2020 00:57

Tgt Ion: 105 Resp: 142387

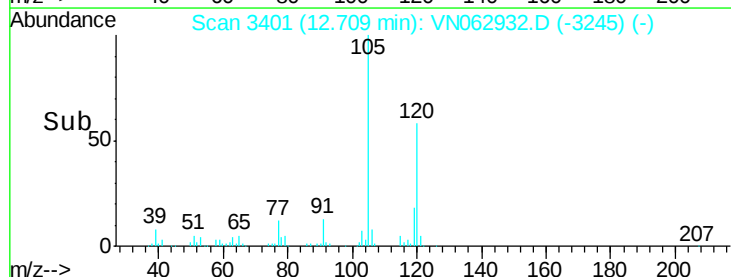
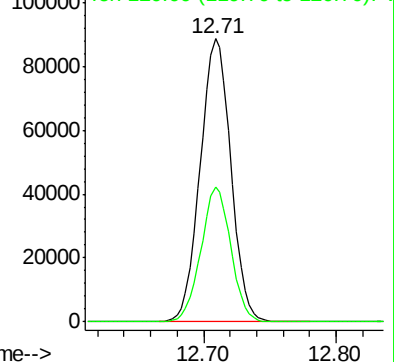
Ion Ratio Lower Upper

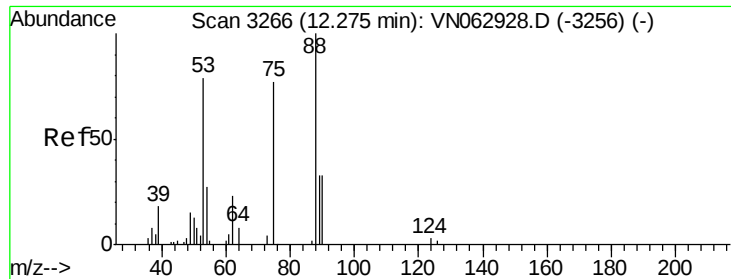
105 100

120 46.4 0.0 92.4



Abundance Ion 105.00 (104.70 to 105.70): VN062932.D (-3245) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.600 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

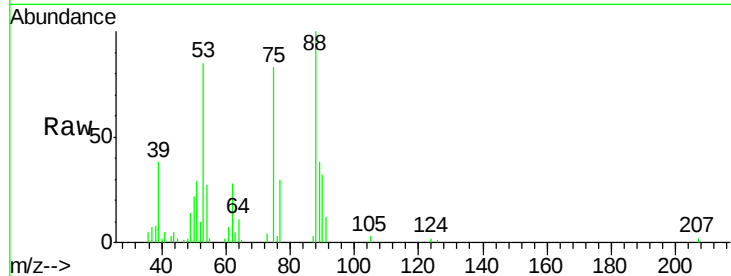
ClientSampleId :

ICVVN081420

Tot Ion:	75	Resp:	16195
Ion	Ratio	Lower	Upper
75	100		
53	99.0	52.3	157.1
89	45.7	23.4	70.3

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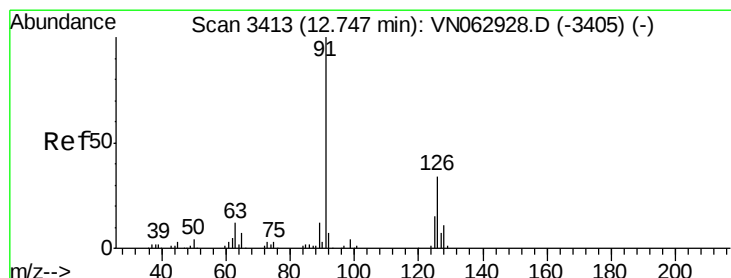
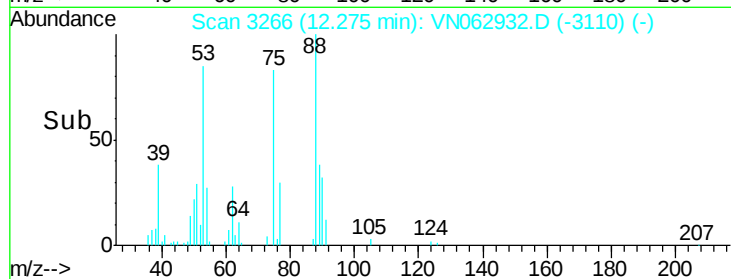
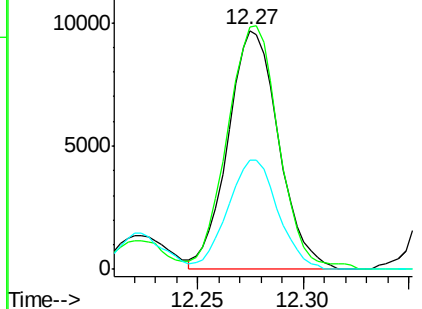
MMDadoda
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Abundance Ion 75.00 (74.70 to 75.70): VN062932.D (-3110) (-)

Ion 53.00 (52.70 to 53.70): VN062932.D (-3110) (-)

Ion 89.00 (88.70 to 89.70): VN062932.D (-3110) (-)



#78

4-Chlorotoluene

Concen: 18.131 ug/l

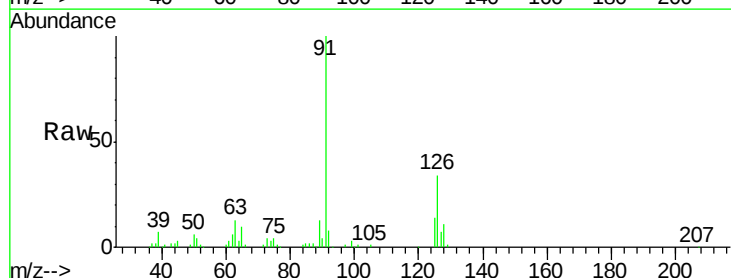
RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062932.D

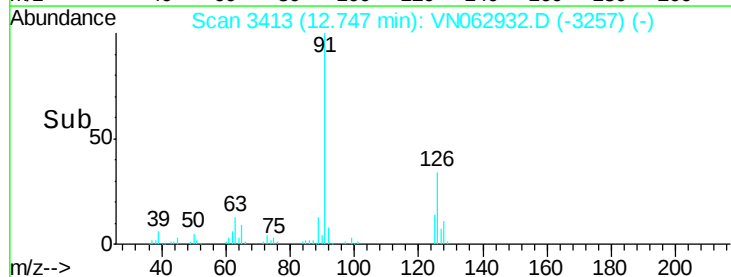
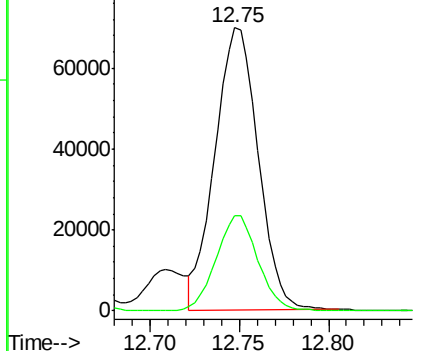
Acq: 14 Aug 2020 00:57

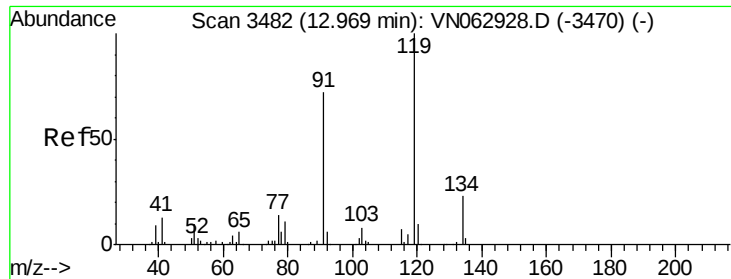
Tgt Ion:	91	Resp:	117113
Ion	Ratio	Lower	Upper
91	100		
126	32.8	0.0	63.0



Abundance Ion 91.00 (90.70 to 91.70): VN062932.D (-3257) (-)

Ion 126.00 (125.70 to 126.70): VN062932.D (-3257) (-)





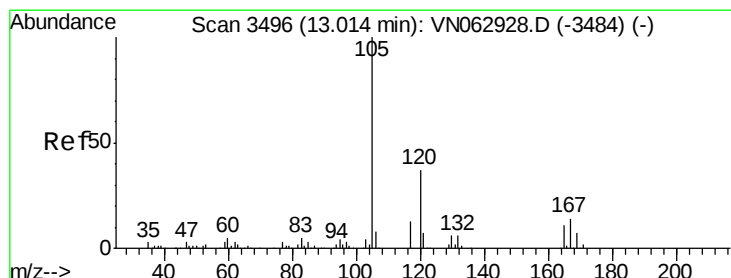
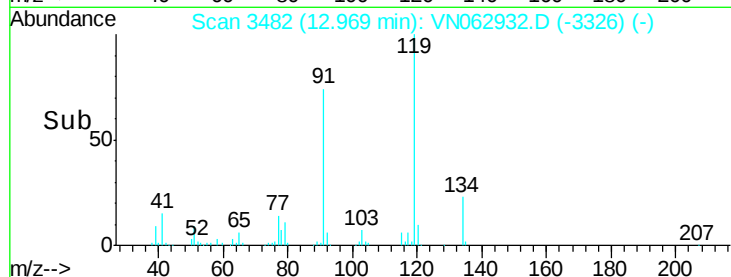
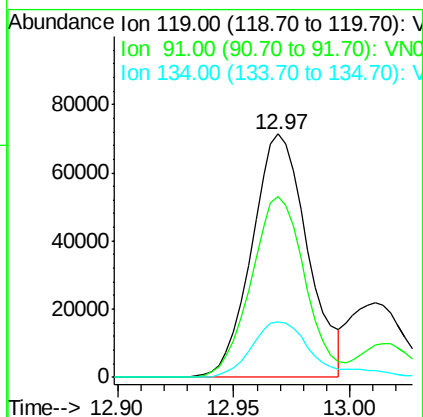
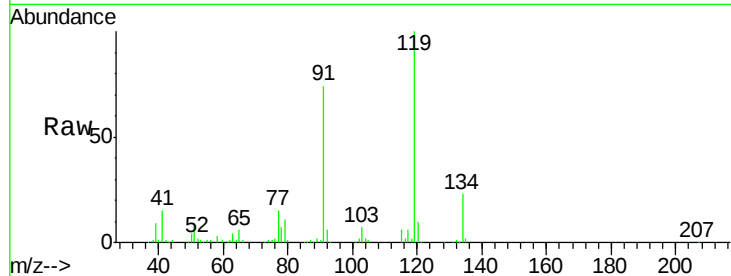
#79
tert-butylbenzene
Concen: 18.515 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081420

Tot Ion	Ratio	Resp	Lower	Upper
119	100	119204		
91	72.2	0.0	145.0	
134	23.2	0.0	44.6	

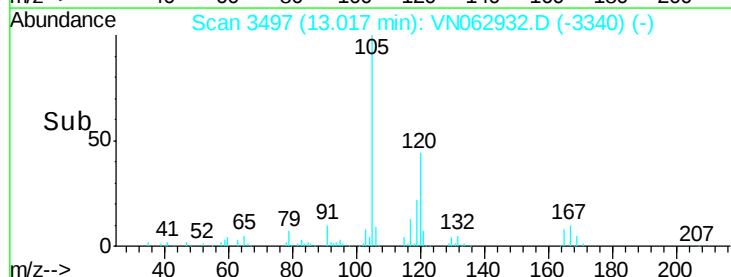
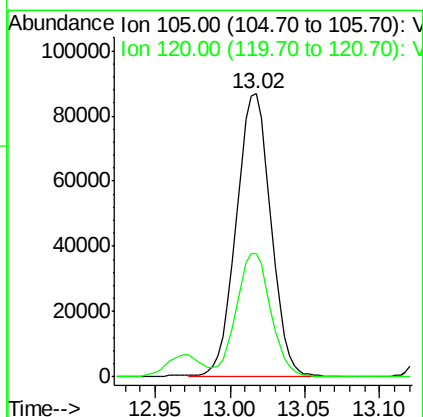
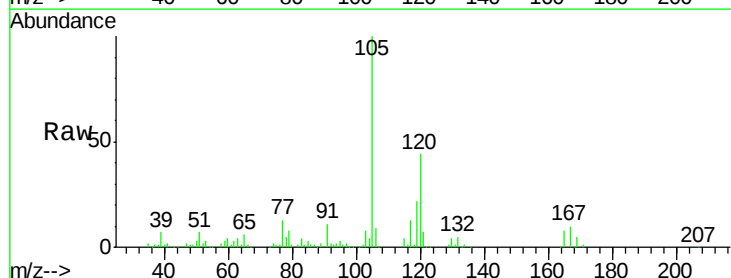
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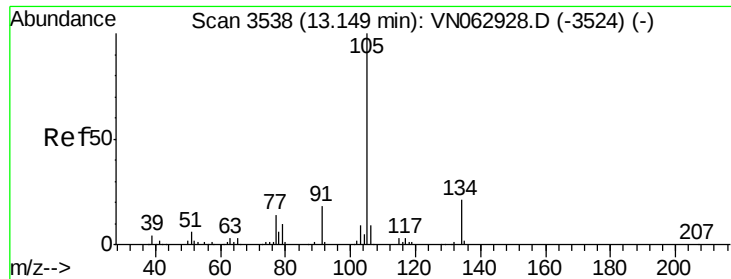
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#80
1,2,4-Trimethylbenzene
Concen: 18.336 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	139669		
120	43.5	0.0	86.6	





#81

sec-Butylbenzene

Concen: 18.343 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081420

Tot Ion:105 Resp: 155908

Ion Ratio Lower Upper

105 100

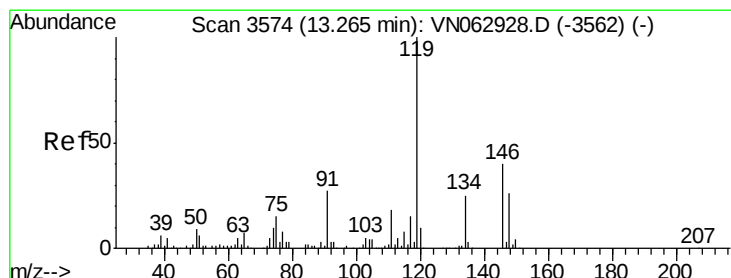
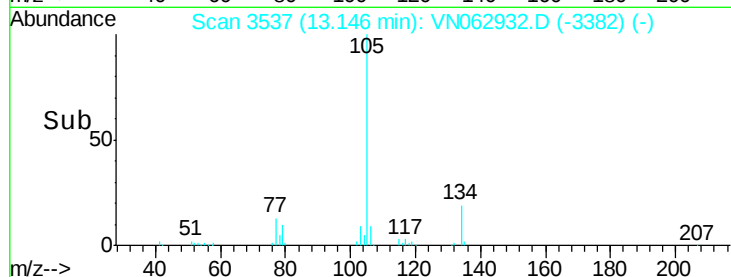
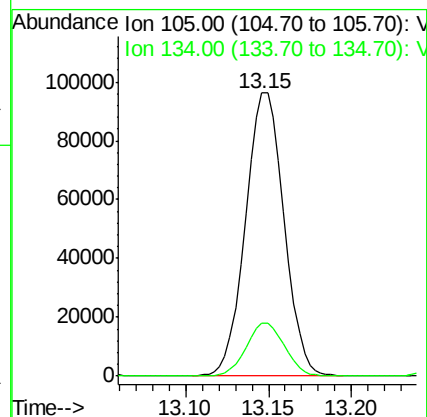
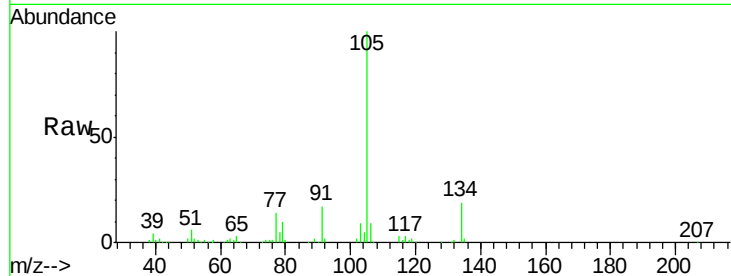
134 18.6 0.0 39.4

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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: VN062932.D

Acq: 14 Aug 2020 00:57

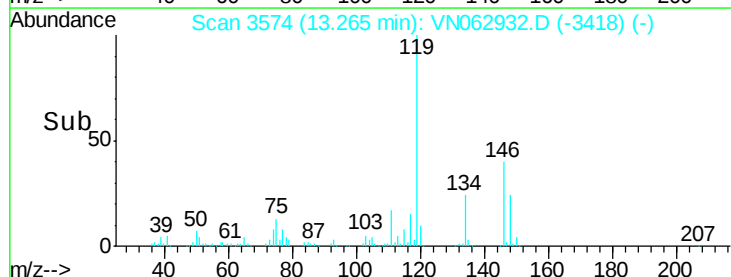
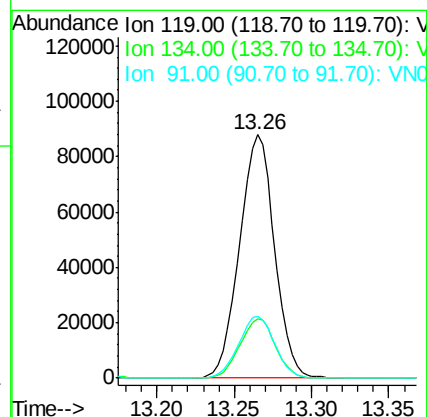
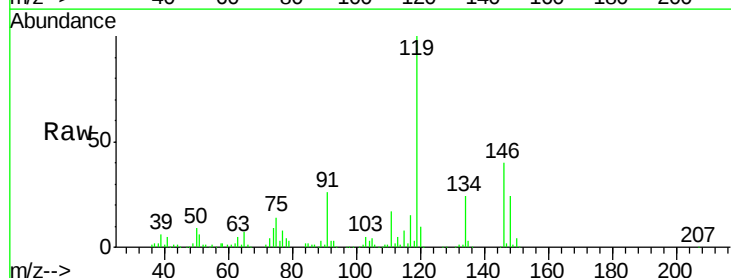
Tgt Ion:119 Resp: 137955

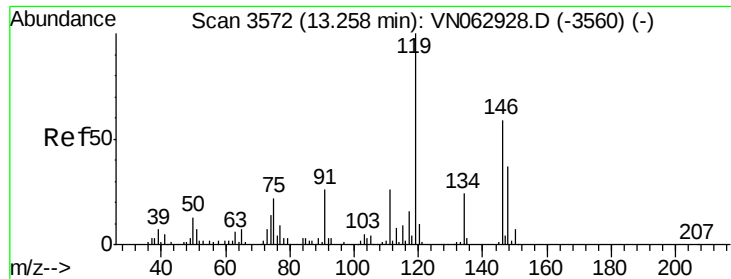
Ion Ratio Lower Upper

119 100

134 24.8 0.0 49.6

91 26.2 0.0 53.6





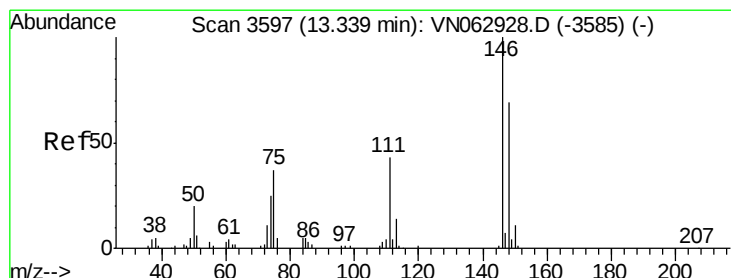
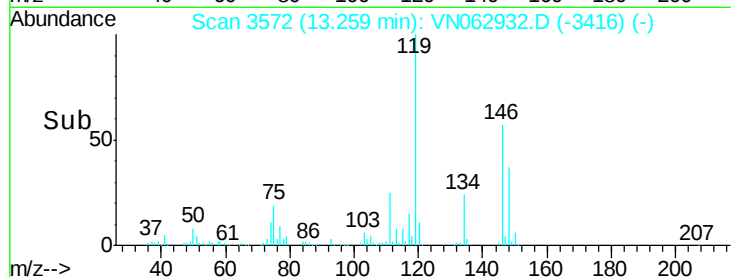
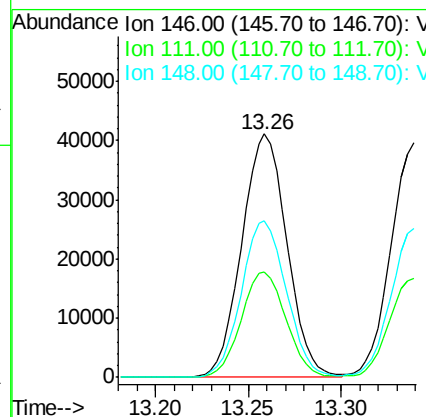
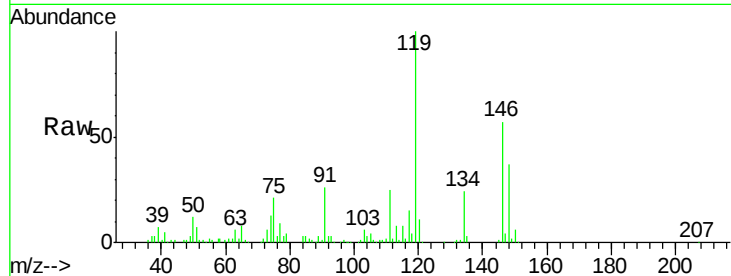
#83
 1,3-Dichlorobenzene
 Concen: 18.451 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081420

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.4	67.2
148	64.1	31.6	94.7

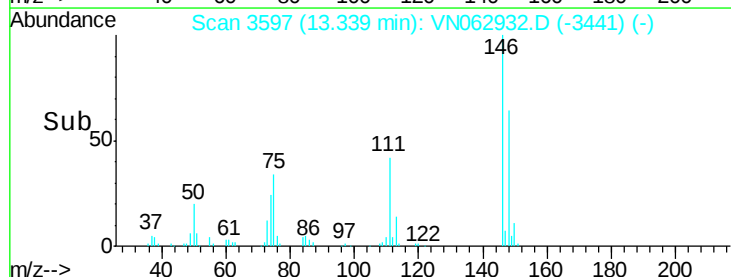
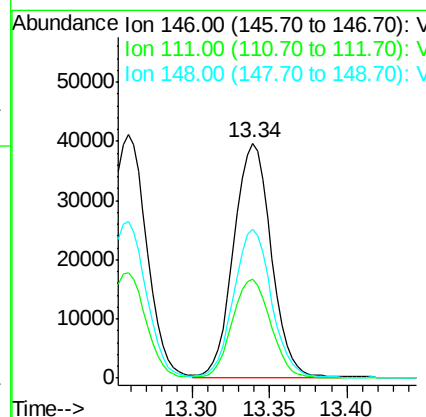
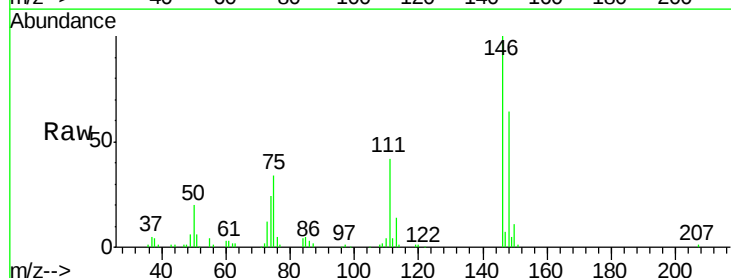
Manual Integrations
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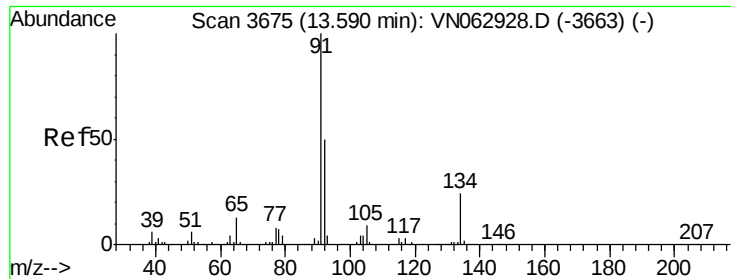
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#84
 1,4-Dichlorobenzene
 Concen: 18.197 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	64.8
148	62.6	33.3	99.9





#85

n-Butylbenzene

Concen: 16.371 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

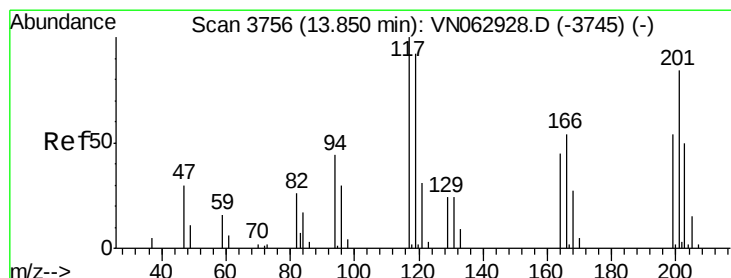
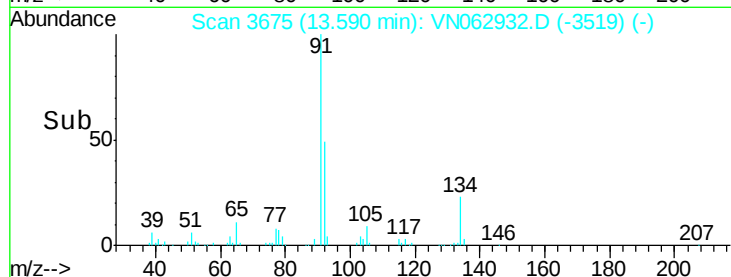
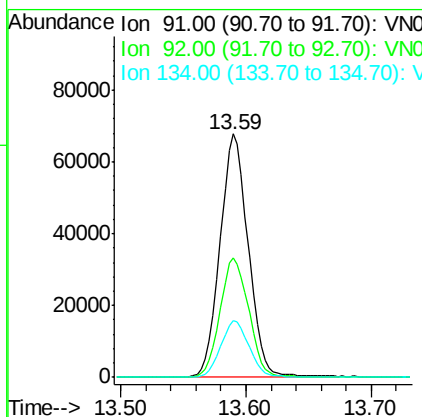
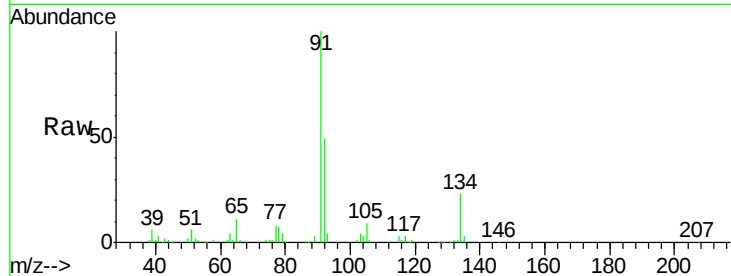
ClientSampleId :

ICVVN081420

Tot Ion:	91	Resp:	106058
Ion Ratio	Lower	Upper	
91	100		
92	49.5	0.0	97.2
134	23.2	0.0	48.4

Manual Integrations
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#86

Hexachloroethane

Concen: 16.850 ug/l

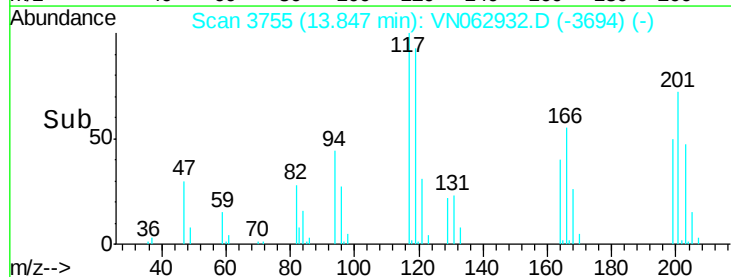
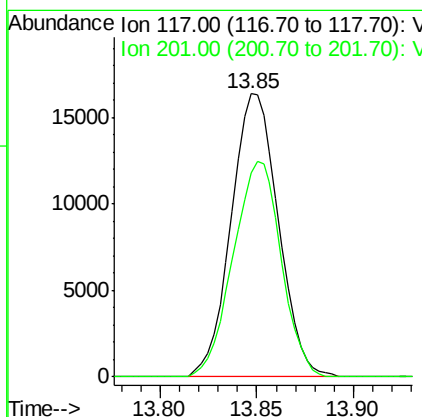
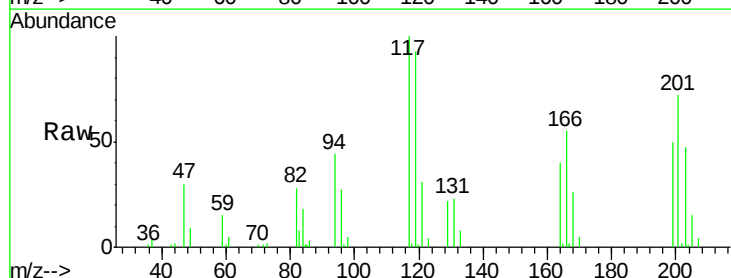
RT: 13.85 min Scan# 3755

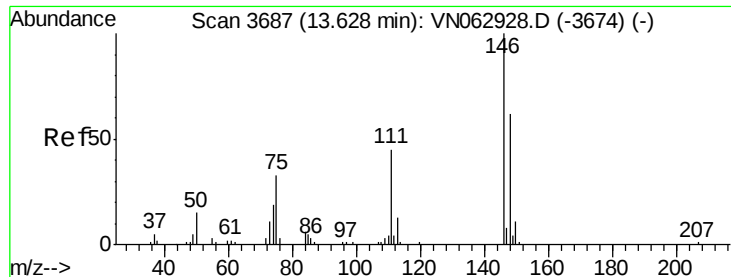
Delta R.T. -0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Tgt Ion:	117	Resp:	27741
Ion Ratio	Lower	Upper	
117	100		
201	77.3	40.9	122.7





#87

1,2-Dichlorobenzene

Concen: 17.461 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Instrument :

MSVOA_N

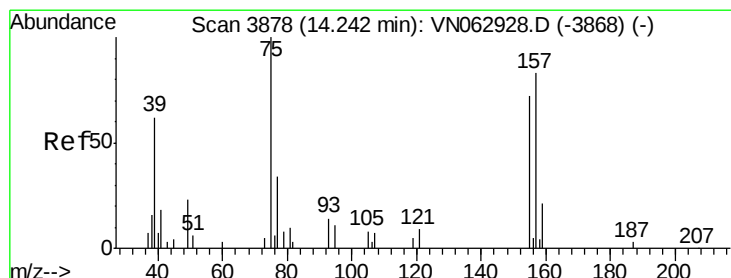
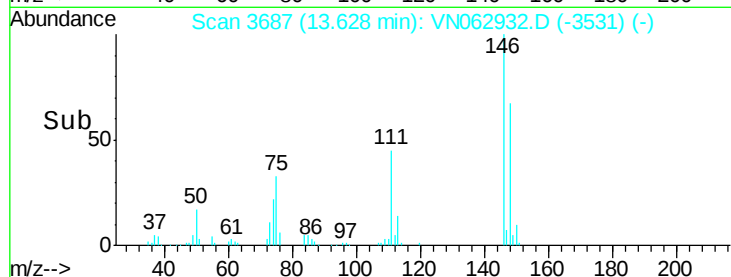
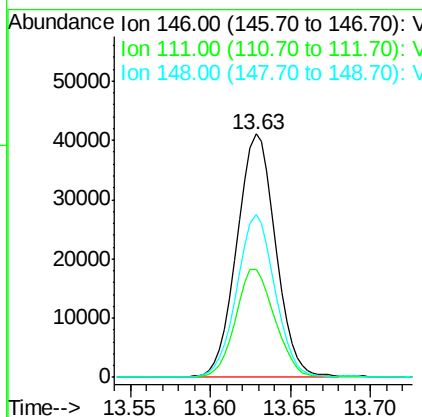
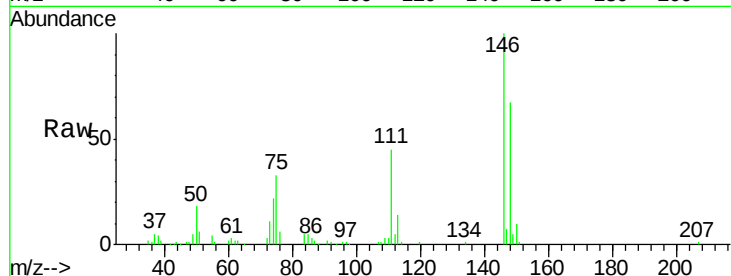
ClientSampleId :

ICVVN081420

Tot Ion:	146	Resp:	67883
Ion	Ratio	Lower	Upper
146	100		
111	44.9	23.3	69.8
148	65.5	31.3	93.8

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 16.713 ug/l

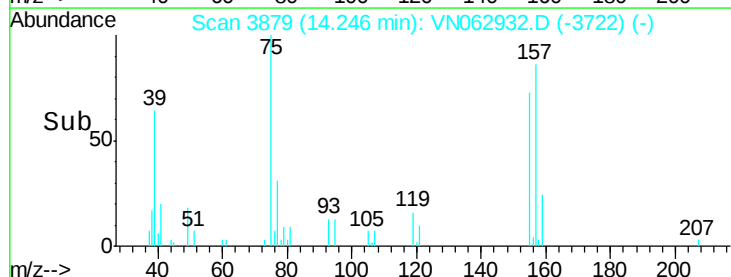
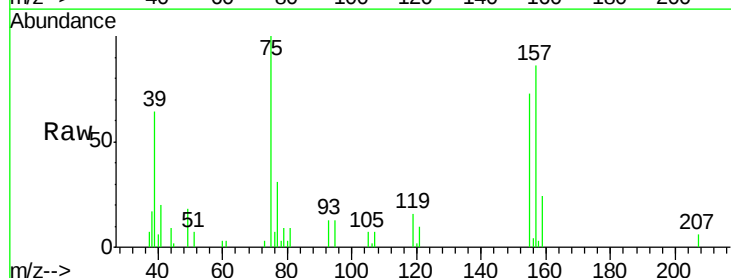
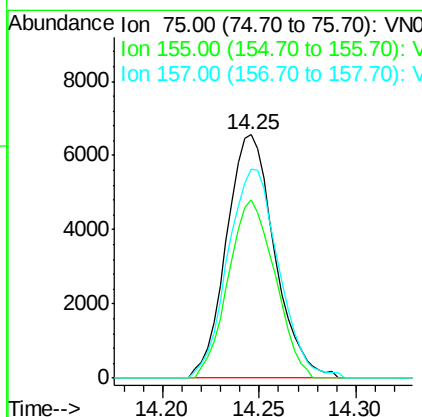
RT: 14.25 min Scan# 3879

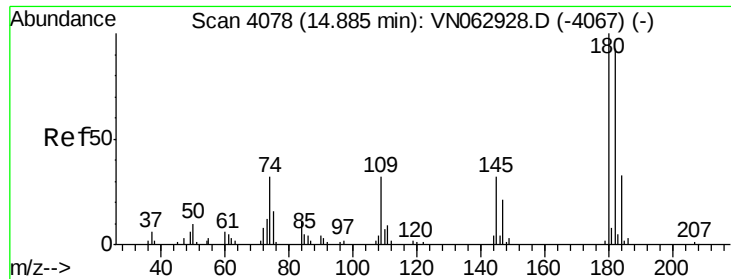
Delta R.T. 0.00 min

Lab File: VN062932.D

Acq: 14 Aug 2020 00:57

Tgt Ion:	75	Resp:	11374
Ion	Ratio	Lower	Upper
75	100		
155	70.7	59.8	89.8
157	90.3	71.6	107.4





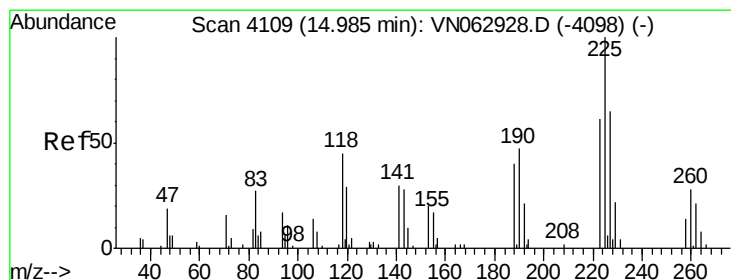
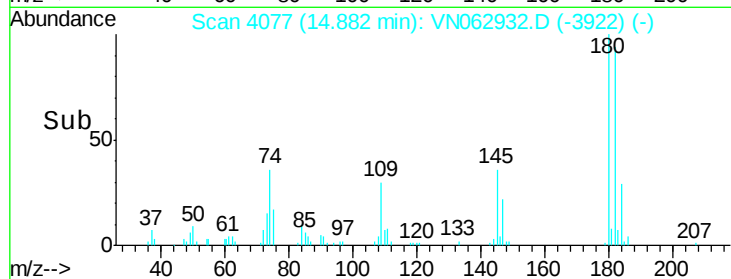
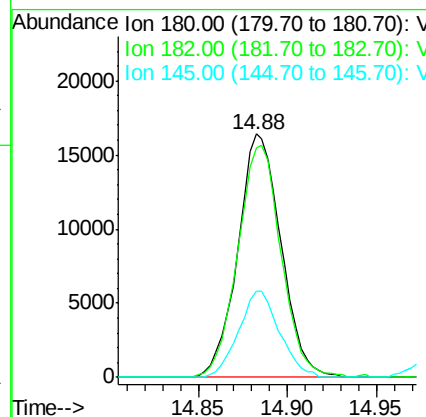
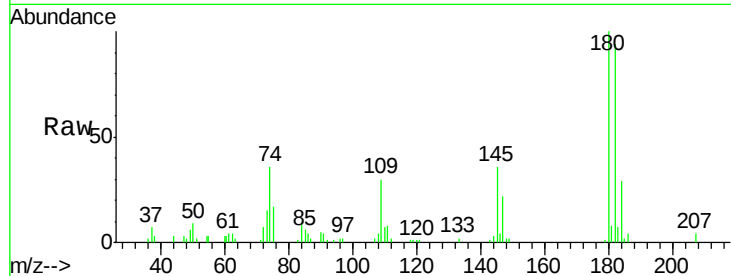
#89
 1,2,4-Trichlorobenzene
 Concen: 15.513 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081420

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.3	112.9
145	33.5	25.4	38.2

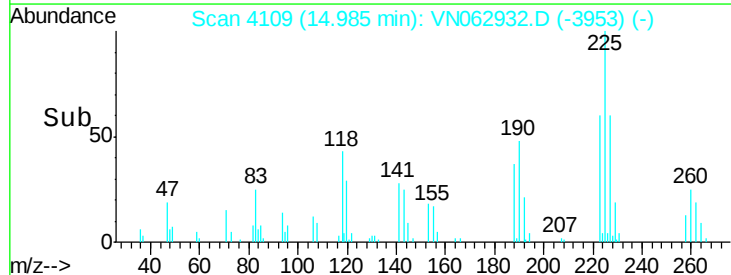
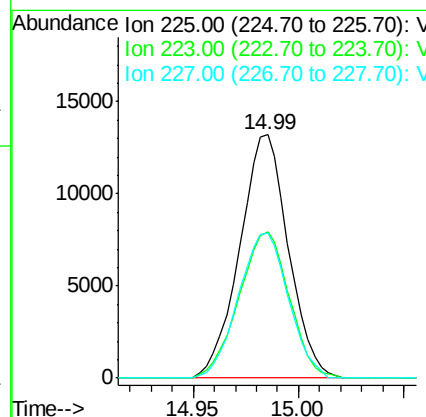
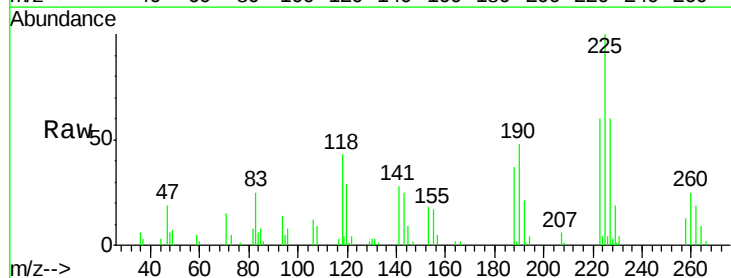
Manual Integrations
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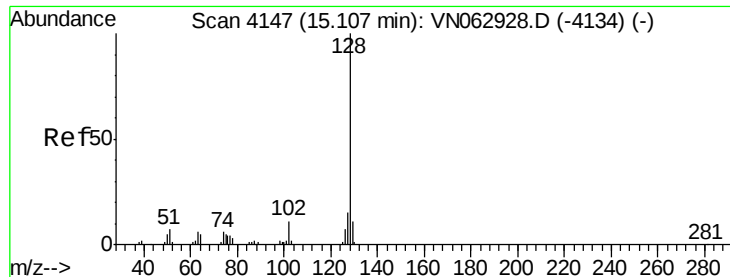
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#90
 Hexachlorobutadiene
 Concen: 17.732 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062932.D
 Acq: 14 Aug 2020 00:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	129.8
227	61.0	0.0	133.6





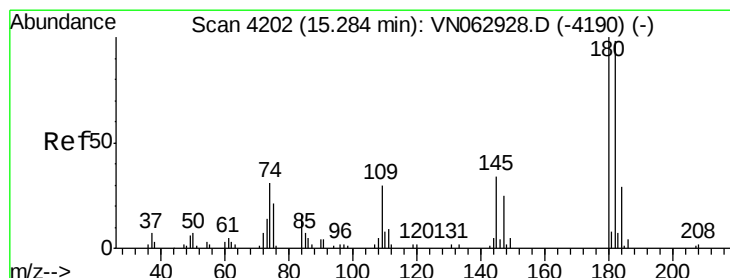
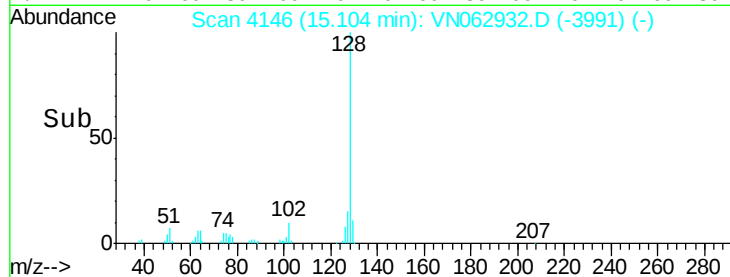
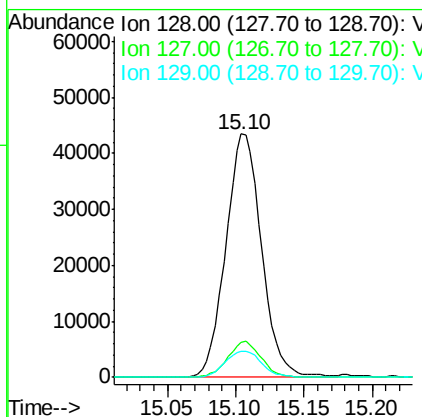
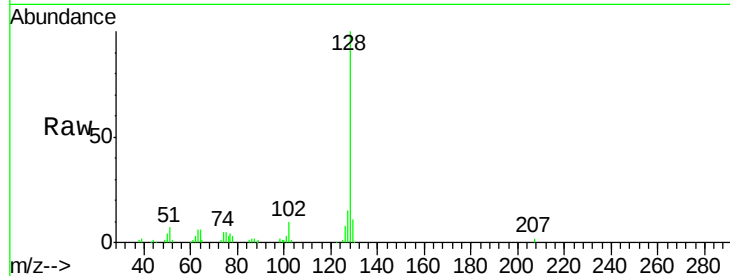
#91
Naphthalene
Concen: 16.315 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Instrument :
MSVOA_N
ClientSampled :
ICVVN081420

Tot Ion:	128	Resp:	79079
Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.6	17.4
129	10.9	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/17/2020 5:45:02 PM



#92
1,2,3-Trichlorobenzene
Concen: 16.416 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062932.D
Acq: 14 Aug 2020 00:57

Tgt Ion:	180	Resp:	29435
Ion	Ratio	Lower	Upper
180	100		
182	96.1	0.0	196.4
145	35.4	0.0	71.4

