

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062928.D
 Acq On : 13 Aug 2020 22:57
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 9:20:02 AM

Quant Time: Aug 14 05:44:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 05:30:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	27199	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	141223	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	133514	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	74210	31.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.77%
60) 4-Bromofluorobenzene	12.38	95	66385	29.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.57%
63) Toluene-d8	10.06	98	187194	29.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	50012	27.983	ug/l 100
3) Chloromethane	2.03	50	37333	16.676	ug/l 100
4) Vinyl Chloride	2.16	62	37352	18.662	ug/l 100
5) Bromomethane	2.52	94	36801	31.015	ug/l 100
6) Chloroethane	2.66	64	37929	32.236	ug/l 100
7) Trichlorofluoromethane	2.98	101	92025	32.758	ug/l 100
8) Diethyl Ether	3.37	74	17555	16.121	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	26633	17.781	ug/l 100
10) 1,1-Dichloroethene	3.69	96	24021	16.033	ug/l 100
11) Methyl Iodide	3.91	142	32494	17.328	ug/l 100
12) Methyl Acetate	4.28	43	36523	17.755	ug/l 100
13) Acrolein	3.57	56	21008	71.901	ug/l 100
14) Acrylonitrile	4.93	53	77899	82.657	ug/l 100
15) Acetone	3.78	58	22162m	80.799	ug/l 100
16) Carbon Disulfide	4.01	76	64617	13.576	ug/l 100
17) Allyl chloride	4.27	41	39401	12.966	ug/l 100
18) Methylene Chloride	4.50	84	30918	16.714	ug/l 100
19) trans-1,2-Dichloroethene	4.98	96	26021m	15.719	ug/l 100
20) Diisopropyl ether	5.91	45	99136	15.329	ug/l 100
21) 1,1-Dichloroethane	5.80	63	58809	16.857	ug/l 100
22) cis-1,2-Dichloroethene	6.79	96	32192	17.020	ug/l 100
23) tert-Butyl Alcohol	4.74	59	34711	105.068	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	104917	18.455	ug/l 100
25) Chloroform	7.33	83	62621	19.031	ug/l 100
26) Cyclohexane	7.61	56	46729	15.408	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	40805	17.489	ug/l 100
30) 2-Butanone	6.79	43	103847	86.004	ug/l 100
31) 2,2-Dichloropropane	6.77	77	41820	16.249	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	56424	21.496	ug/l 100
33) Carbon Tetrachloride	7.73	117	50165	21.897	ug/l 100
34) Benzene	8.00	78	122441	17.694	ug/l 100
35) Methacrylonitrile	7.13	41	16386	15.633	ug/l 100
36) 1,2-Dichloroethane	8.09	62	53906	20.805	ug/l 100
37) Trichloroethene	8.80	130	30664	19.313	ug/l 100
38) Methylcyclohexane	9.05	83	47478	17.971	ug/l 100
39) 1,2-Dichloropropane	9.09	63	33560	17.151	ug/l 100
40) Dibromomethane	9.18	93	23082	19.814	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	51719	20.669	ug/l	100
42) Vinyl Acetate	5.85	43	336993	69.018	ug/l	100
43) Ethyl Acetate	6.89	43	40117	16.411	ug/l	100
44) Isopropyl Acetate	8.13	43	63942	15.673	ug/l	100
45) 1,4-Dioxane	9.17	88	13187	442.518	ug/l	100
46) Methyl methacrylate	9.17	41	32061	16.435	ug/l	100
47) n-amyl Acetate	12.05	43	56660	16.247	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	52479	18.390	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	52024	17.178	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	33087	20.194	ug/l	100
51) Ethyl methacrylate	10.40	69	46810	17.423	ug/l	100
52) 1,3-Dichloropropane	10.68	76	56802	19.110	ug/l	100
53) Dibromochloromethane	10.87	129	39302	21.578	ug/l	100
54) 1,2-Dibromoethane	10.98	107	32623	19.443	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	50764	62.425	ug/l	100
56) Bromoform	12.10	173	27395	21.856	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	221980	88.525	ug/l	100
59) 2-Hexanone	10.72	43	161714	88.100	ug/l	100
61) Tetrachloroethene	10.61	164	26304	19.419	ug/l	100
62) Toluene	10.13	91	135604	18.358	ug/l	100
64) Chlorobenzene	11.41	112	84174	19.059	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	35781	21.353	ug/l	100
66) Ethyl Benzene	11.48	91	145682	17.815	ug/l	100
67) m/p-Xylenes	11.60	106	112370	37.369	ug/l	100
68) o-Xylene	11.92	106	52004	18.165	ug/l	100
69) Styrene	11.94	104	94311	19.122	ug/l	100
70) Isopropylbenzene	12.22	105	149517	19.204	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	49965	19.771	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	52433m	21.000	ug/l	
73) Bromobenzene	12.50	156	36593	20.031	ug/l	100
74) n-propylbenzene	12.57	91	168964	18.355	ug/l	100
75) 2-Chlorotoluene	12.65	91	108980	19.458	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	130621	19.498	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	14838	16.621	ug/l	100
78) 4-Chlorotoluene	12.75	91	108348	19.014	ug/l	100
79) tert-butylbenzene	12.97	119	107932	19.526	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	126670	19.321	ug/l	100
81) sec-Butylbenzene	13.15	105	140215	18.940	ug/l	100
82) p-Isopropyltoluene	13.26	119	124228	18.977	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	63074	19.848	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	60092	19.204	ug/l	100
85) n-Butylbenzene	13.59	91	92416	16.691	ug/l	100
86) Hexachloroethane	13.85	117	26070	20.311	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	61813	20.186	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	9650	20.106	ug/l	100
89) 1,2,4-Trichlorobenzene	14.89	180	24782	16.661	ug/l	100
90) Hexachlorobutadiene	14.99	225	19017	21.926	ug/l	100
91) Naphthalene	15.11	128	61913	15.551	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	25141	16.832	ug/l	100

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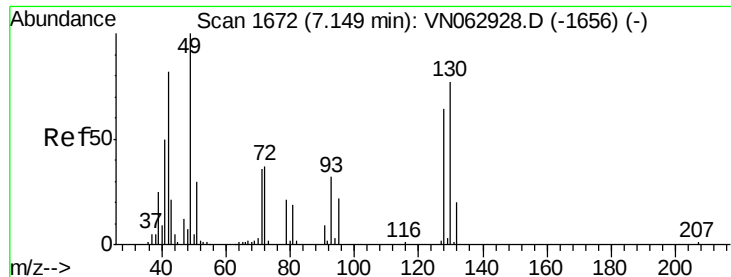
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:128 Resp: 27199

Ion Ratio Lower Upper

128 100

49 164.0 0.0 410.0

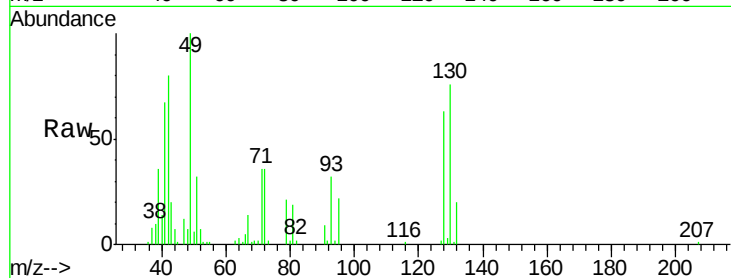
130 126.6 0.0 316.5

Manual Integrations

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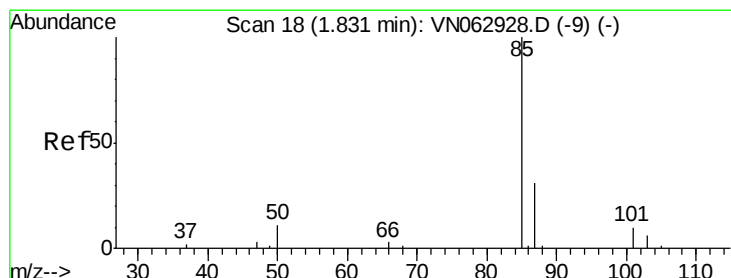
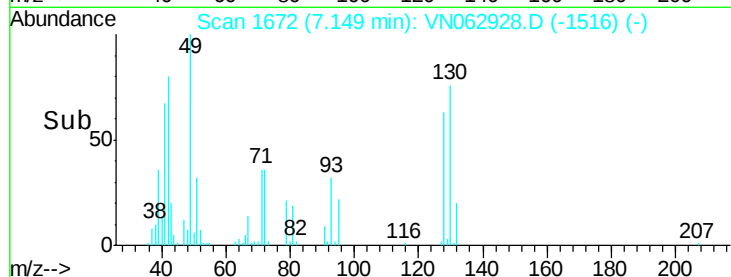
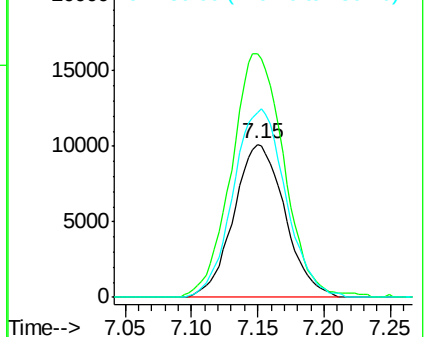
8/17/2020 9:20:02 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 27.983 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062928.D

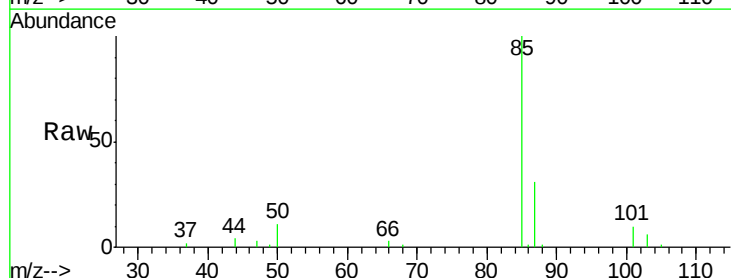
Acq: 13 Aug 2020 22:57

Tgt Ion: 85 Resp: 50012

Ion Ratio Lower Upper

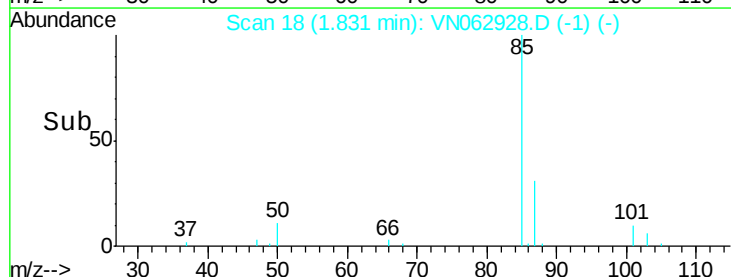
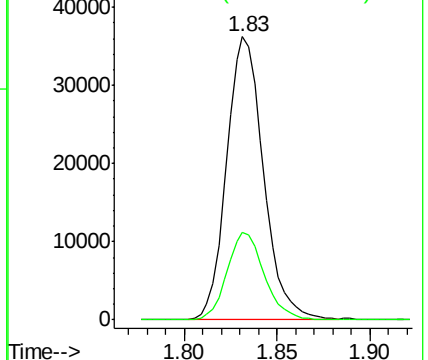
85 100

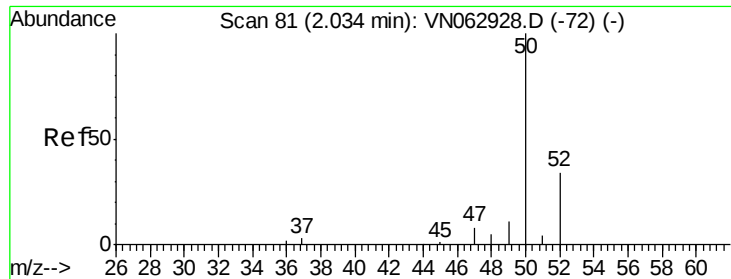
87 30.8 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 16.676 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Tot Ion: 50 Resp: 37333

Ion Ratio Lower Upper

50 100

52 33.9 27.1 40.7

Instrument :

MSVOA_N

ClientSampled :

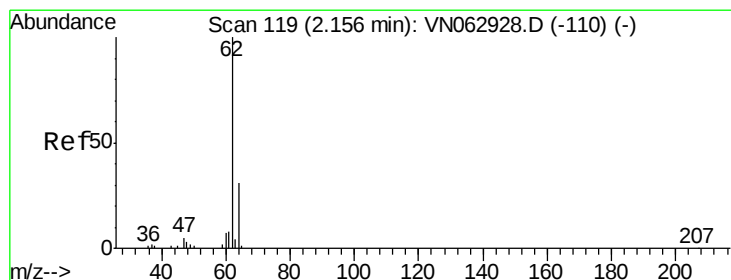
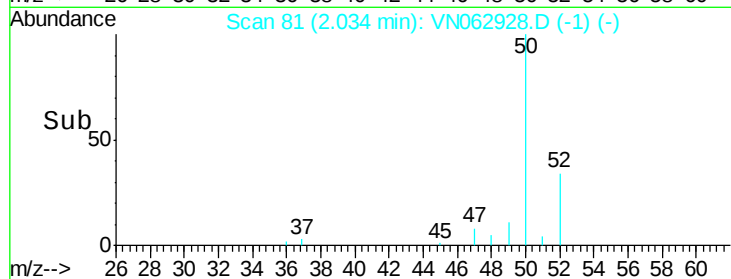
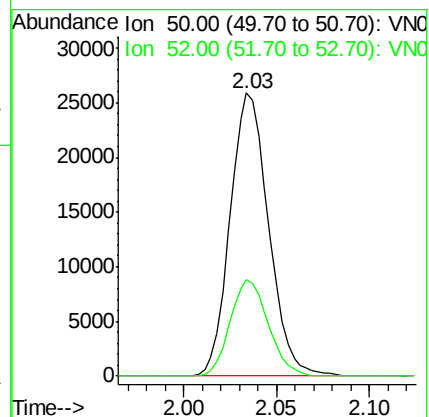
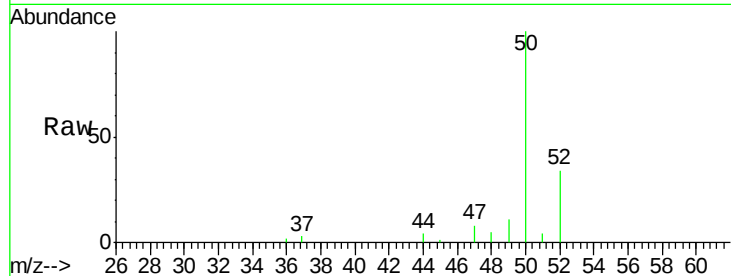
VSTDICCC020

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.662 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062928.D

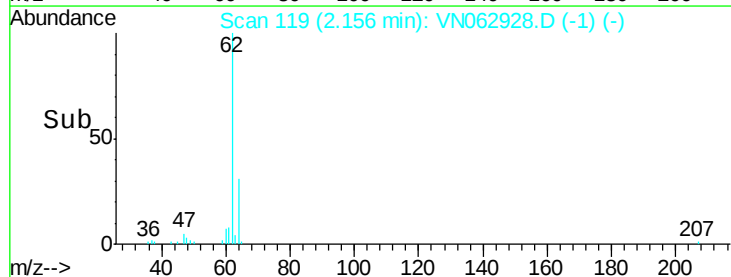
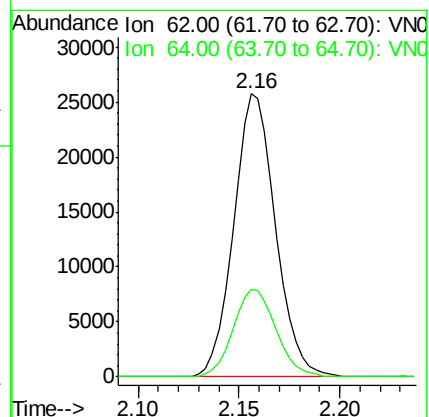
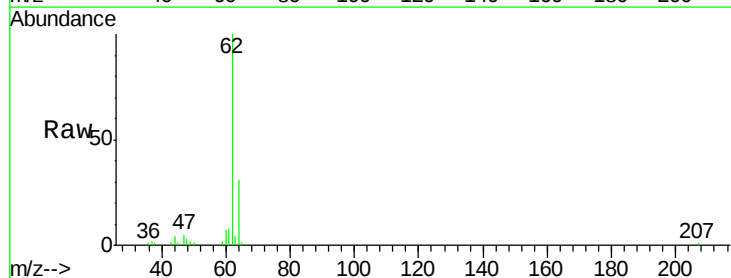
Acq: 13 Aug 2020 22:57

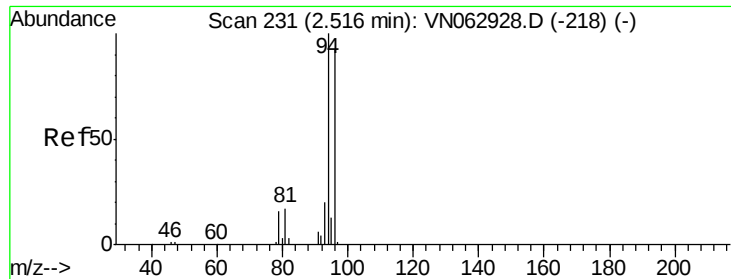
Tgt Ion: 62 Resp: 37352

Ion Ratio Lower Upper

62 100

64 30.8 24.6 37.0





#5

Bromomethane

Concen: 31.015 ug/l

RT: 2.52 min Scan# 231

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 36801

Ion Ratio Lower Upper

94 100

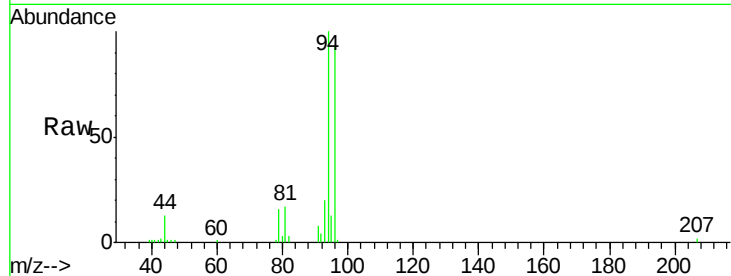
96 92.1 73.7 110.5

Manual Integrations

APPROVED

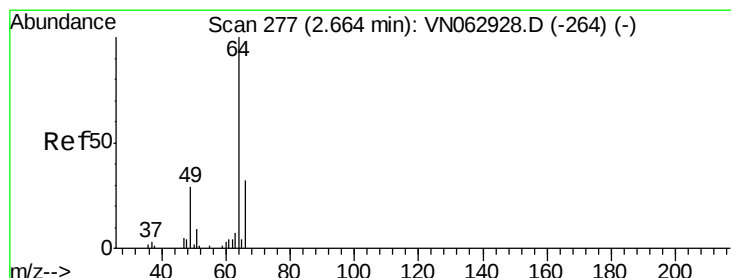
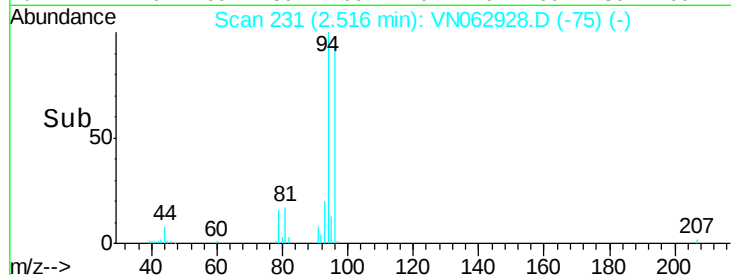
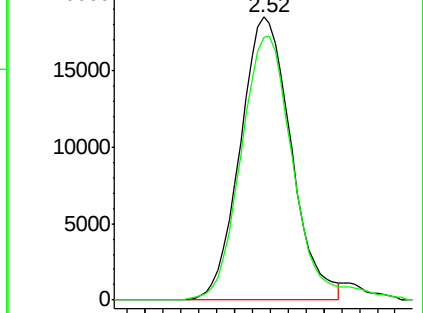
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 32.236 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.00 min

Lab File: VN062928.D

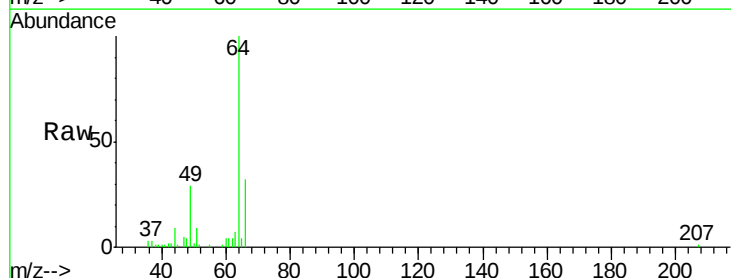
Acq: 13 Aug 2020 22:57

Tgt Ion: 64 Resp: 37929

Ion Ratio Lower Upper

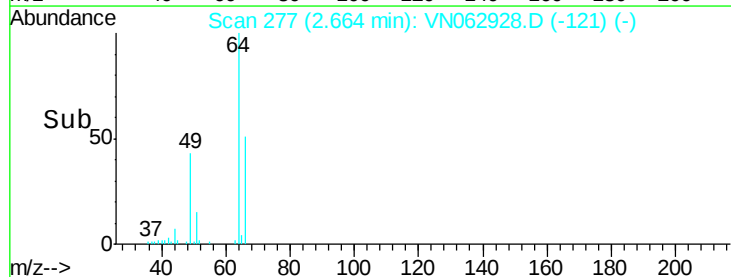
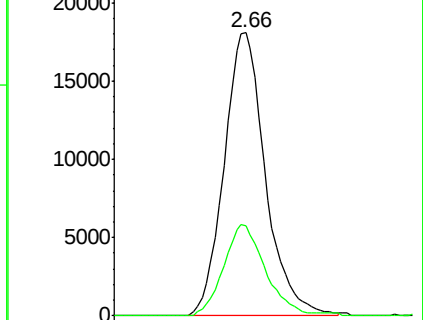
64 100

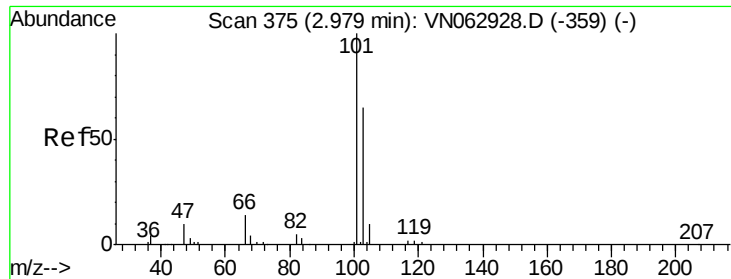
66 31.6 25.3 37.9



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

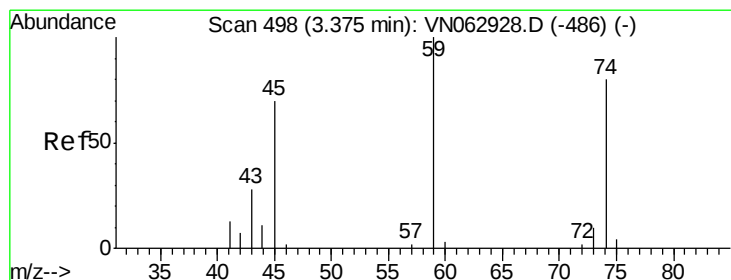
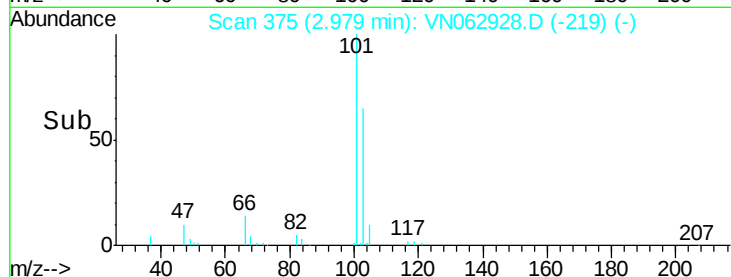
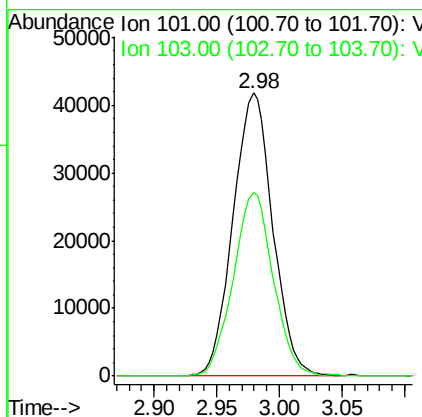
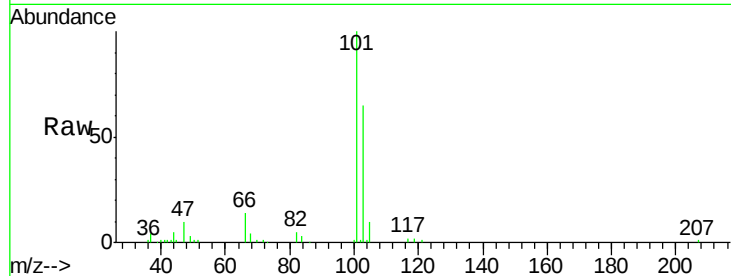
Trichlorofluoromethane
 Concen: 32.758 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6

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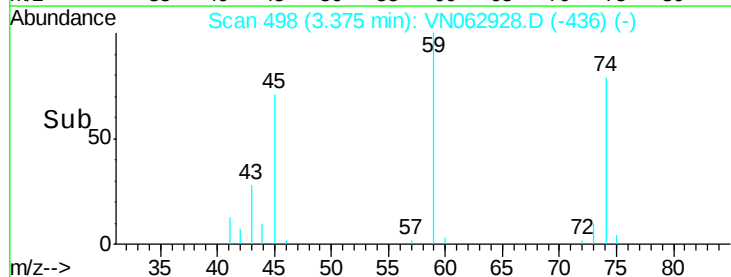
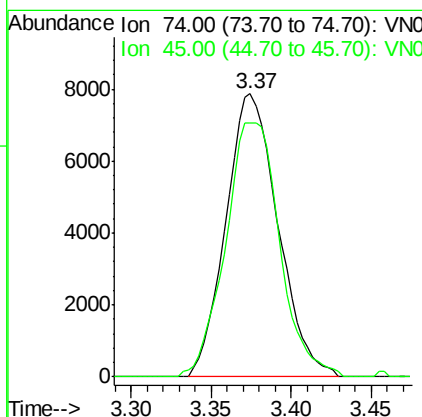
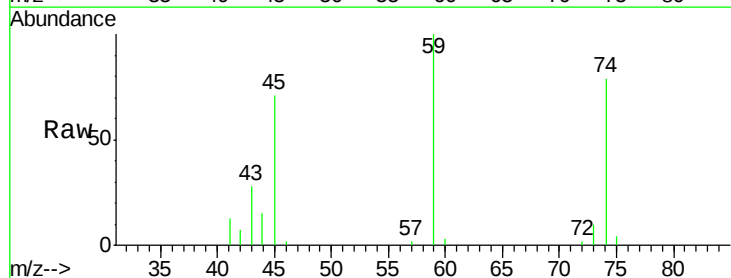
MMDadoda
 8/17/2020 9:20:02 AM

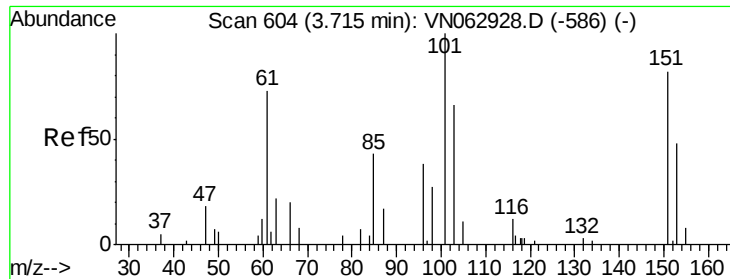


#8

Diethyl Ether
 Concen: 16.121 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.781 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Instrument :

MSVOA_N

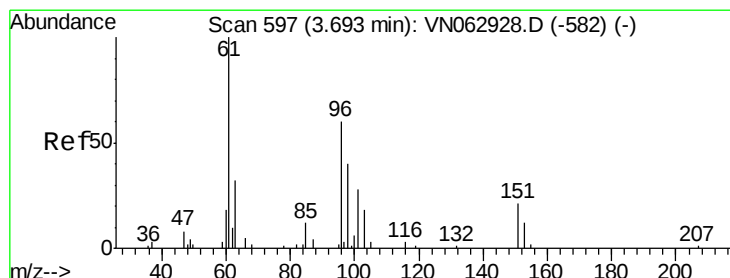
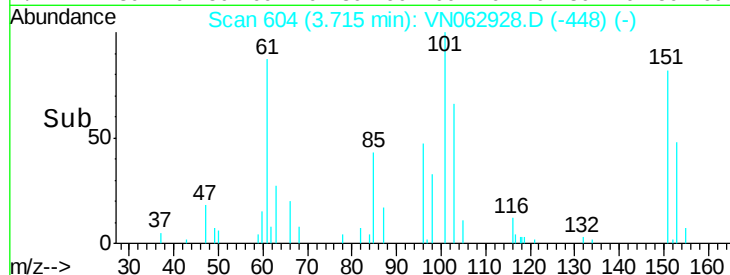
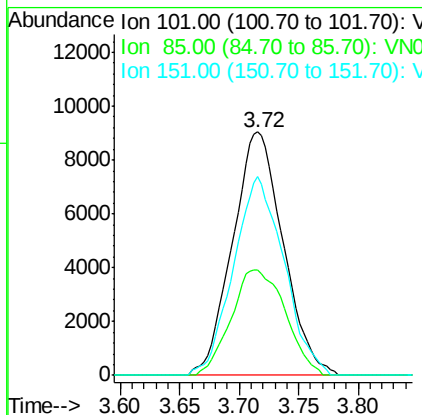
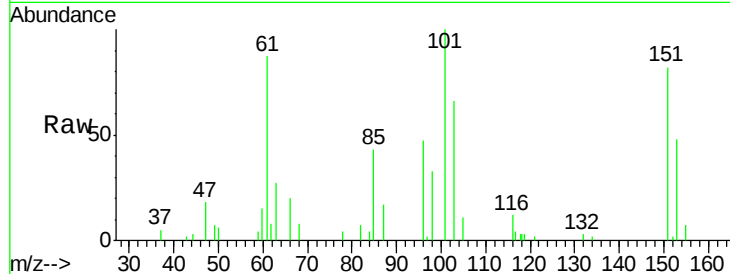
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	26633
Ion Ratio	Lower	Upper	
101	100		
85	46.2	0.0	92.4
151	81.3	0.0	162.6

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#10

1,1-Dichloroethene

Concen: 16.033 ug/l

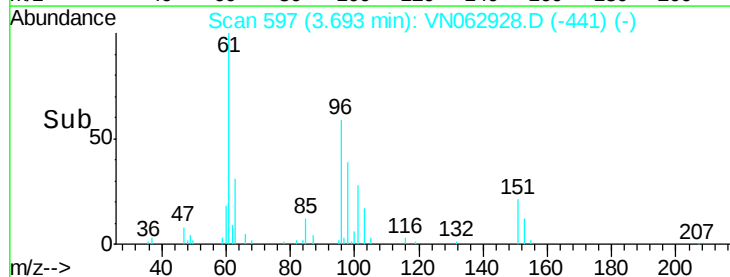
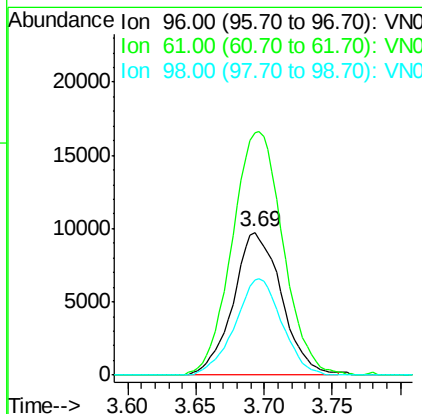
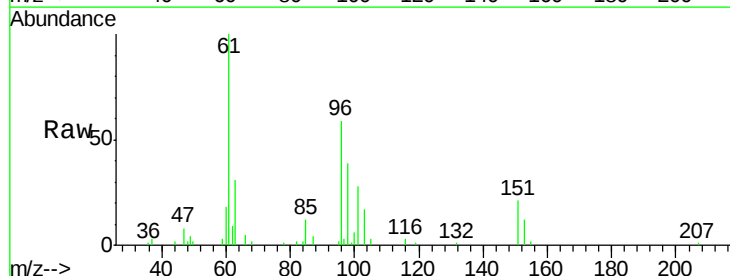
RT: 3.69 min Scan# 597

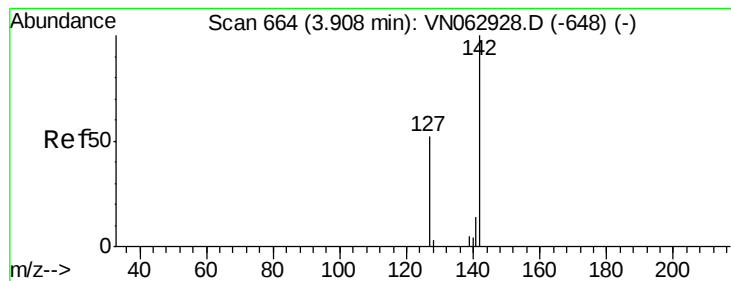
Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Tgt Ion:	96	Resp:	24021
Ion Ratio	Lower	Upper	
96	100		
61	168.1	134.5	201.7
98	66.6	53.3	79.9





#11

Methvl Iodide

Concen: 17.328 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Instrument :

MSVOA_N

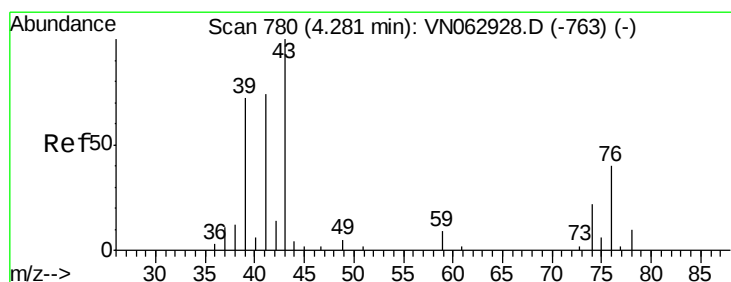
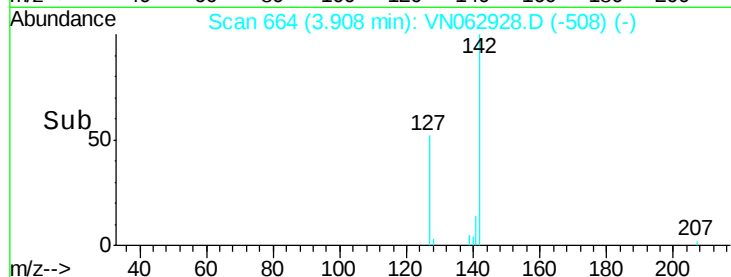
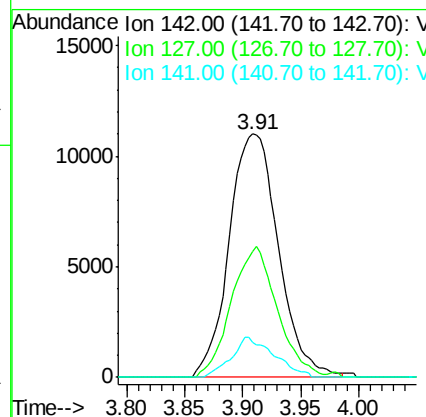
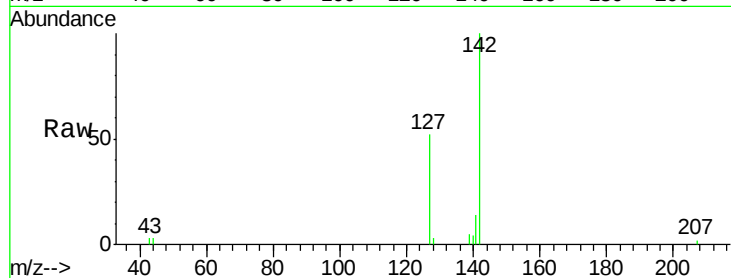
ClientSampleId :

VSTDICCC020

Tot Ion:	142	Resp:	32494
Ion	Ratio	Lower	Upper
142	100		
127	52.2	26.1	78.3
141	14.5	7.2	21.7

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#12

Methyl Acetate

Concen: 17.755 ug/l

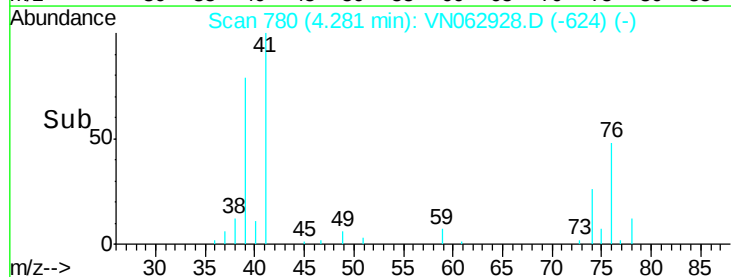
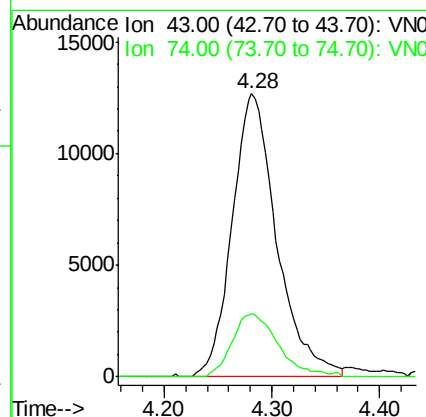
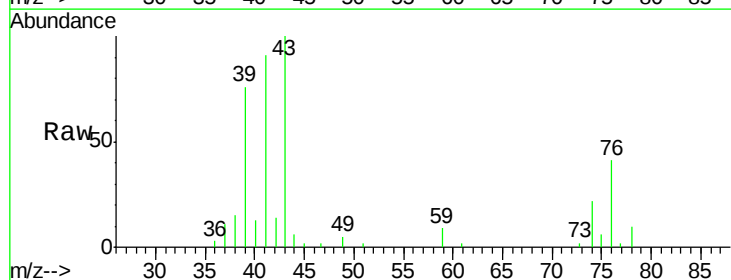
RT: 4.28 min Scan# 780

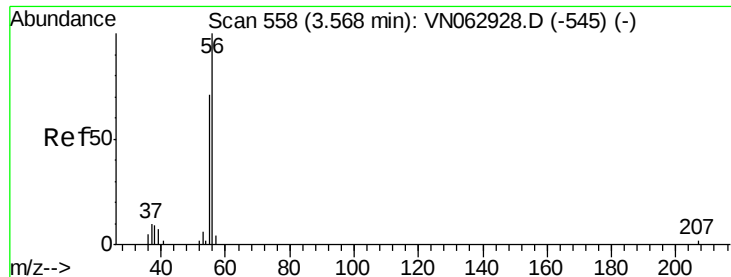
Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Tgt Ion:	43	Resp:	36523
Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.1	27.1





#13

Acrolein

Concen: 71.901 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 21008

Ion Ratio Lower Upper

56 100

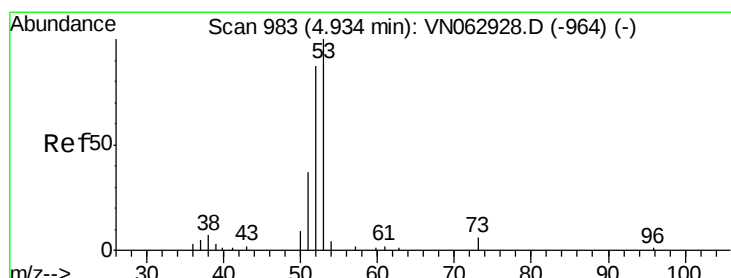
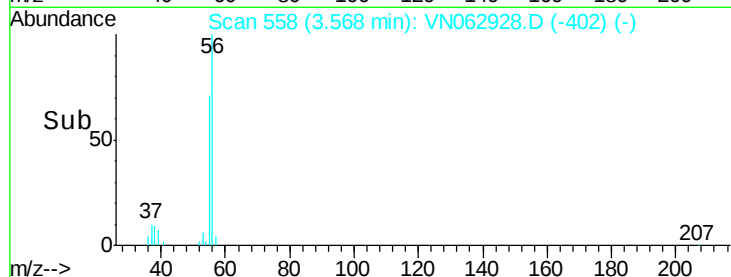
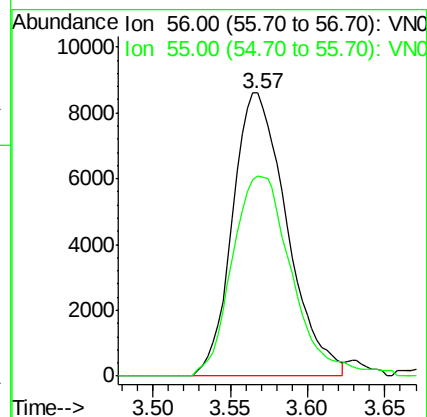
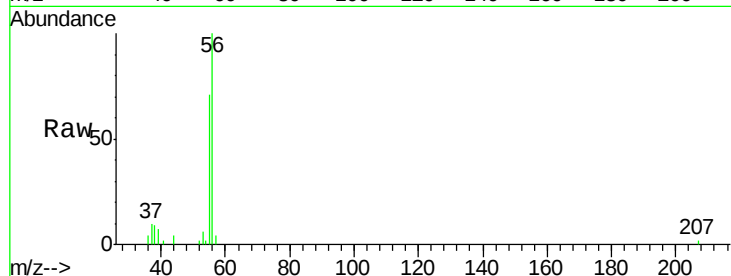
55 75.3 60.2 90.4

Manual Integrations

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#14

Acrylonitrile

Concen: 82.657 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

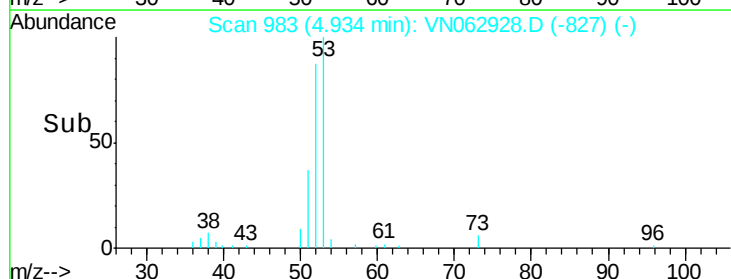
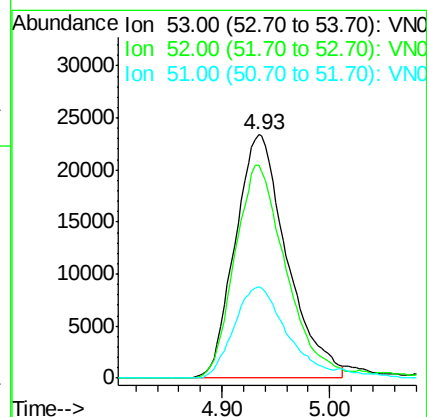
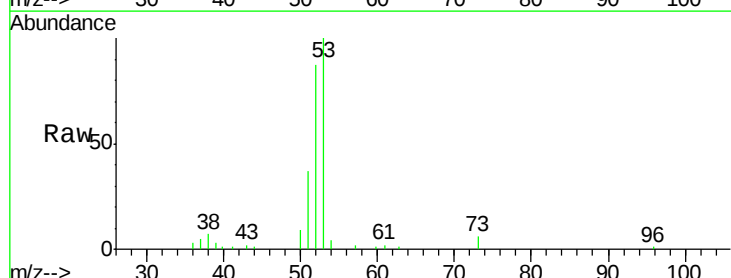
Tgt Ion: 53 Resp: 77899

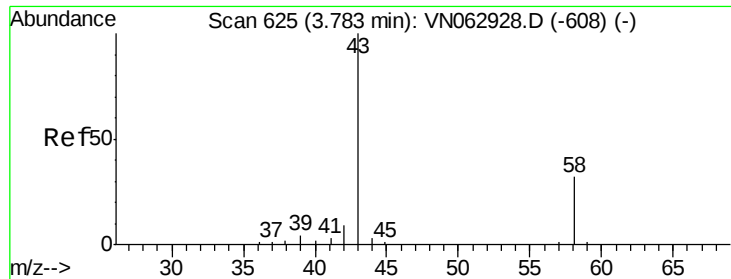
Ion Ratio Lower Upper

53 100

52 86.3 43.1 129.4

51 38.1 19.1 57.1





#15

Acetone

Concen: 80.799 ug/l m

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Tot Ion: 58 Resp: 22162

Ion Ratio Lower Upper

58 100

43 312.5 250.0 375.0

Instrument :

MSVOA_N

ClientSampled :

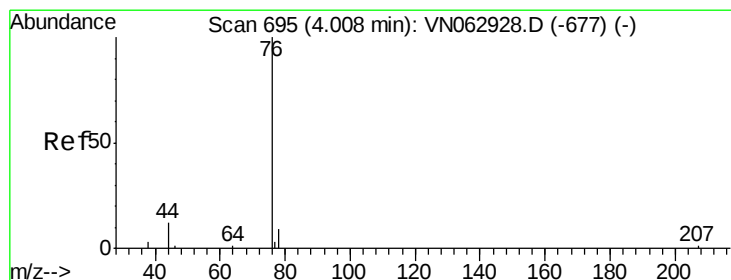
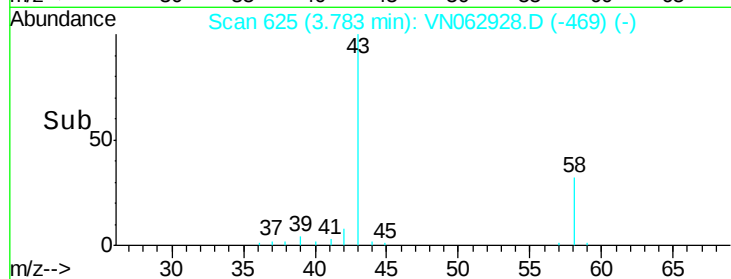
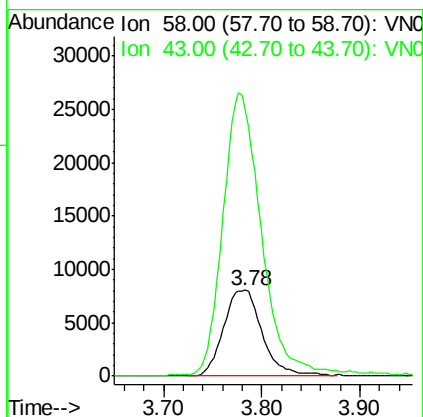
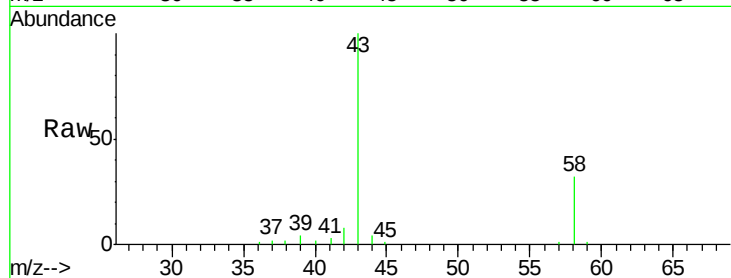
VSTDICCC020

Manual Integrations

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#16

Carbon Disulfide

Concen: 13.576 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062928.D

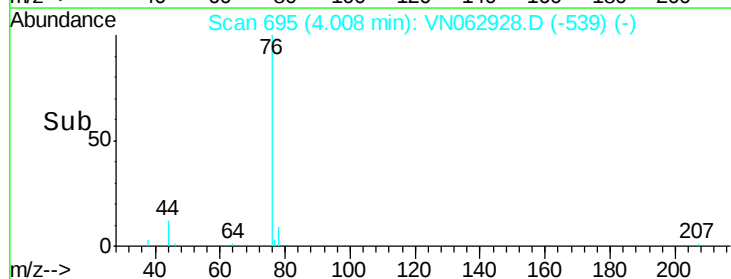
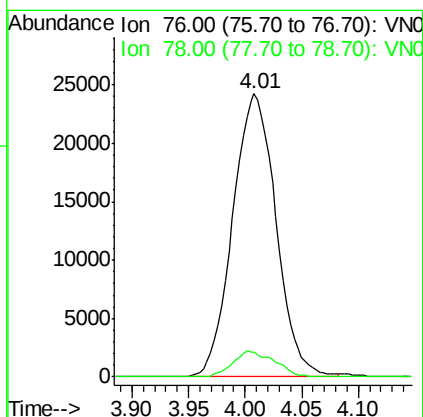
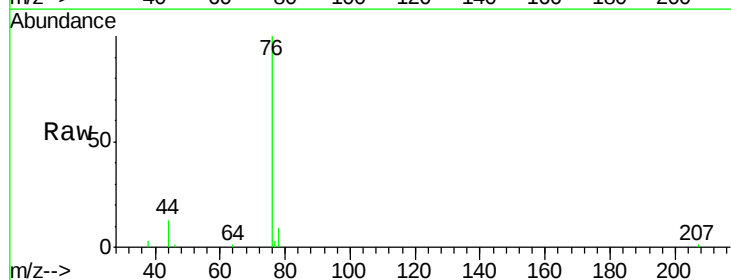
Acq: 13 Aug 2020 22:57

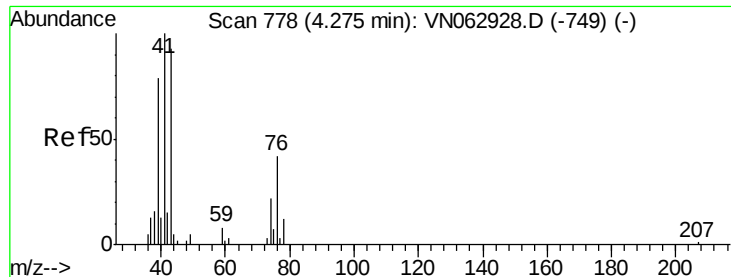
Tgt Ion: 76 Resp: 64617

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6





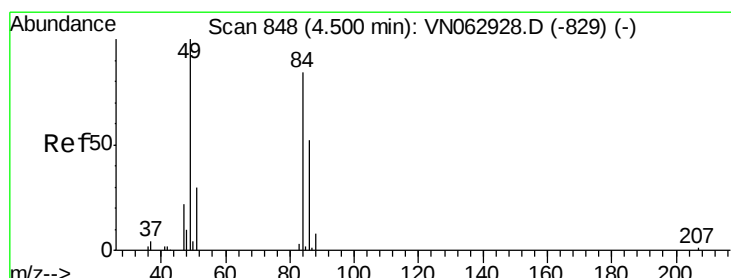
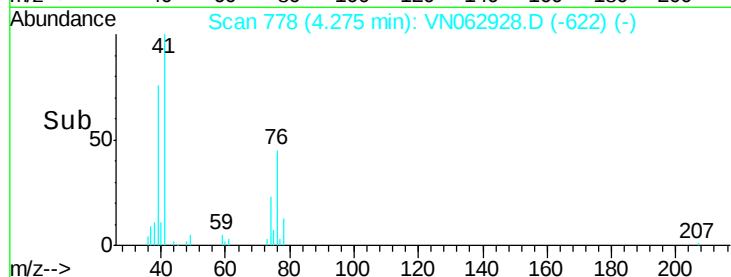
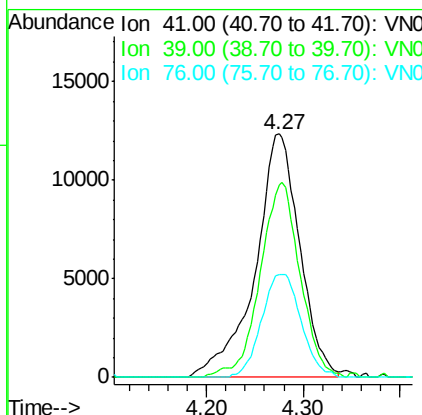
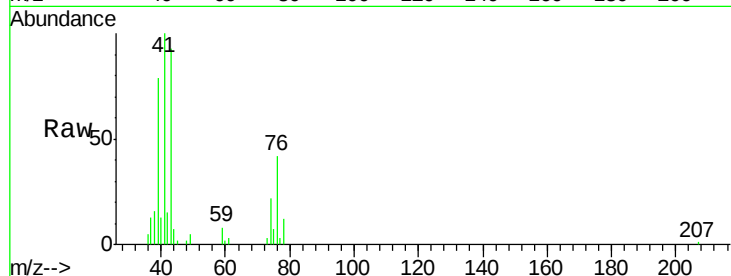
#17
Allvl chloride
Concen: 12.966 ug/l
RT: 4.27 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.1	39.6	118.7
76	42.5	21.3	63.7

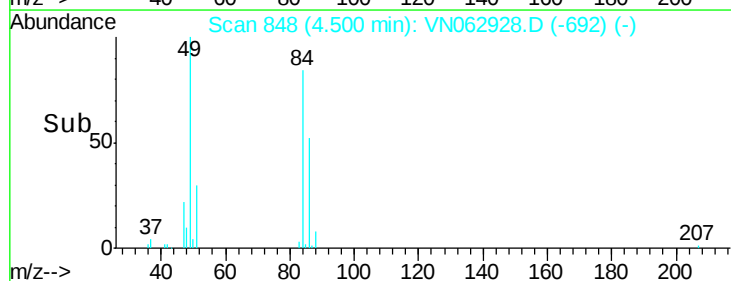
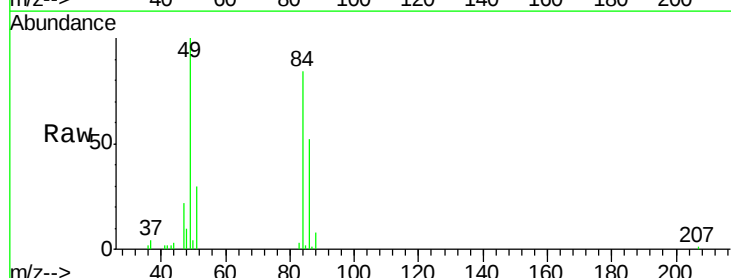
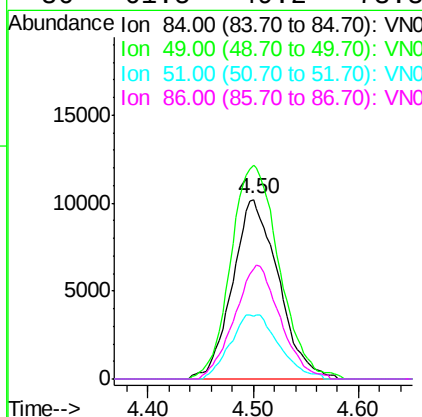
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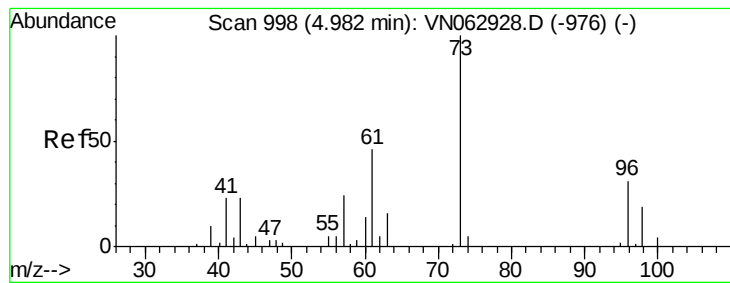
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#18
Methylene Chloride
Concen: 16.714 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.8	95.0	142.6
51	35.3	28.2	42.4
86	61.5	49.2	73.8





#19

trans-1,2-Dichloroethene

Concen: 15.719 ug/l m

RT: 4.98 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 96 Resp: 26021

Ion Ratio Lower Upper

96 100

61 147.5 118.0 177.0

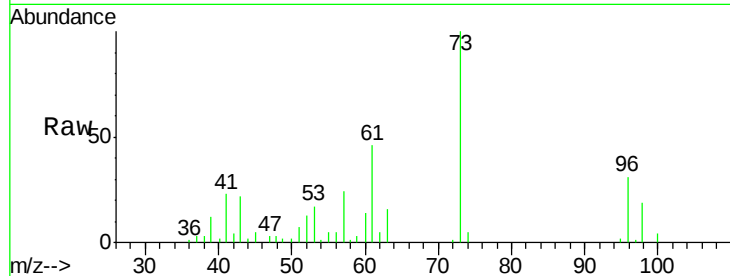
98 60.9 48.7 73.1

Manual Integrations

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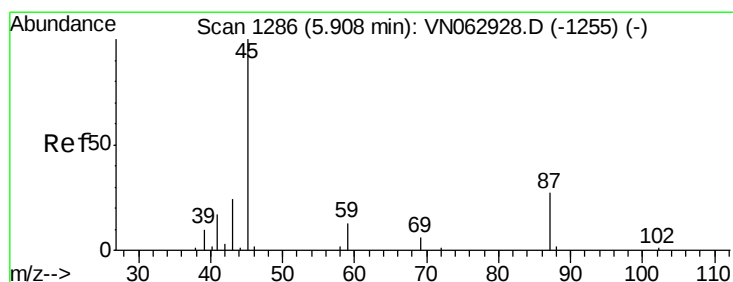
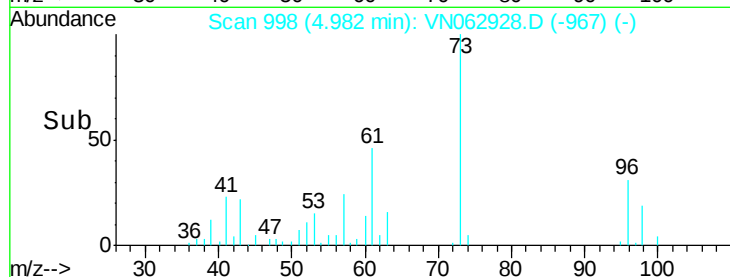
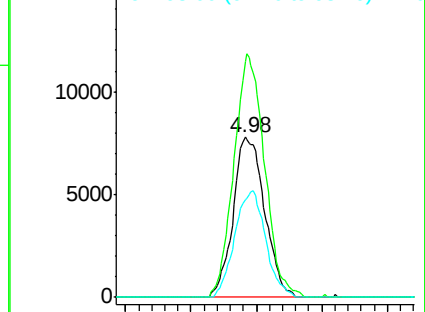


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 15.329 ug/l

RT: 5.91 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Tgt Ion: 45 Resp: 99136

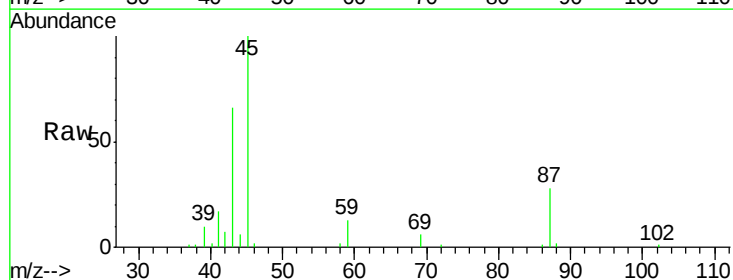
Ion Ratio Lower Upper

45 100

43 60.7 48.6 72.8

87 28.3 22.6 34.0

59 13.2 10.6 15.8



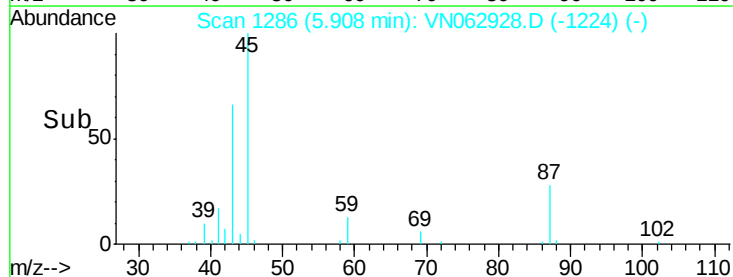
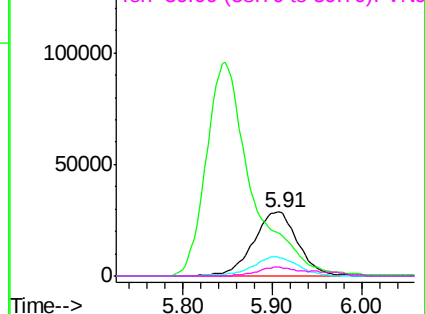
Abundance

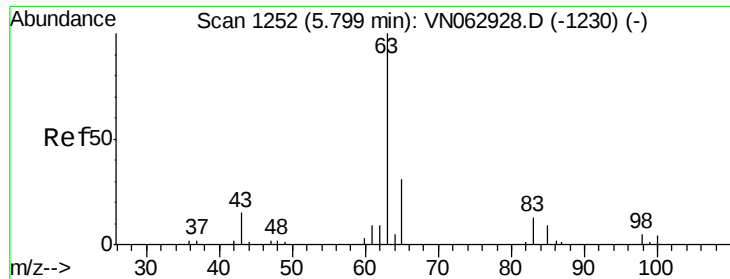
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





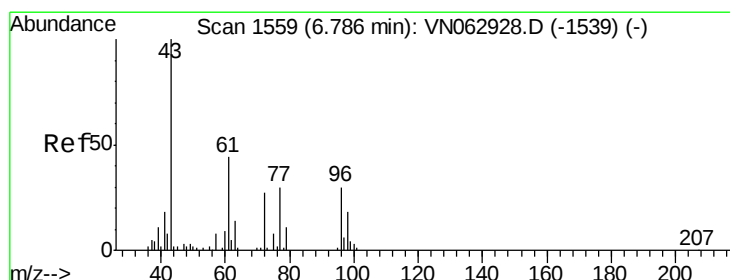
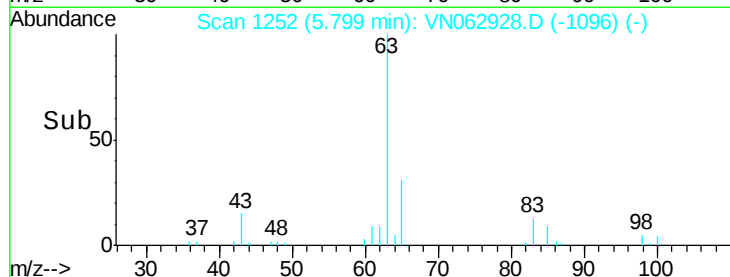
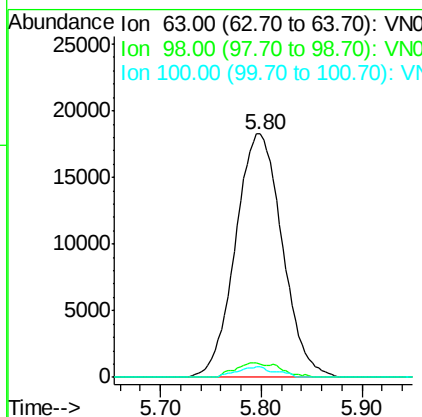
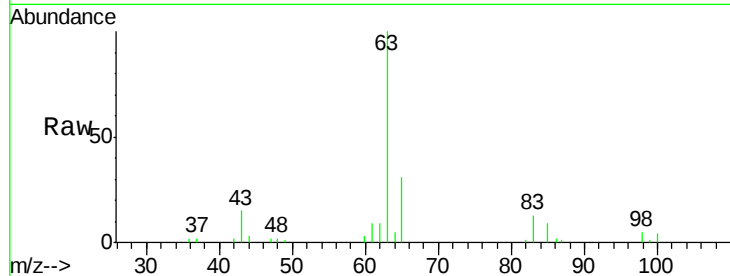
#21
 1,1-Dichloroethane
 Concen: 16.857 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	58809		
98	5.2		2.6	7.8
100	4.3		2.1	6.5

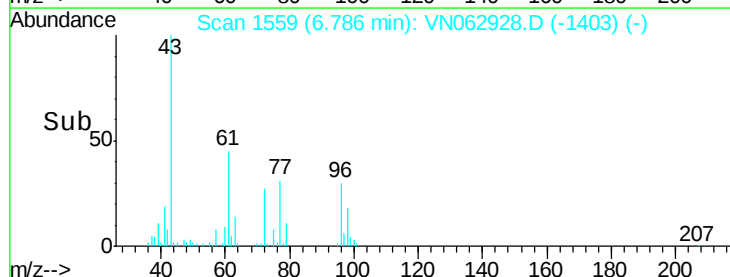
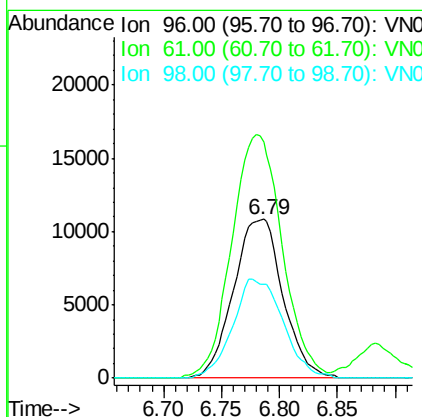
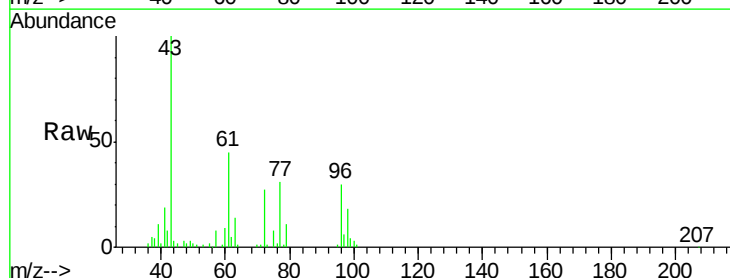
Manual Integrations
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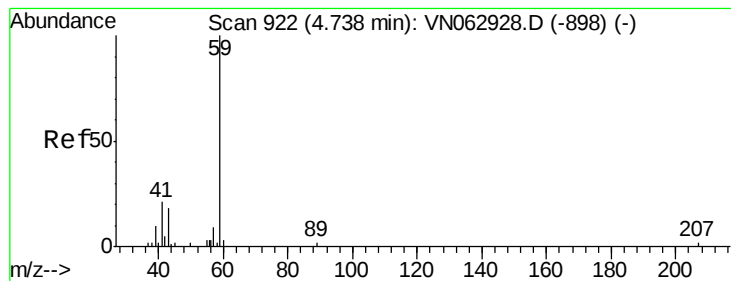
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#22
 cis-1,2-Dichloroethene
 Concen: 17.020 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	32192		
61	156.1		124.9	187.3
98	34.7		27.8	41.6





#23

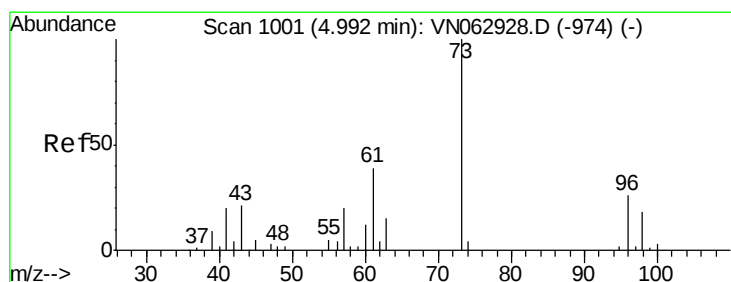
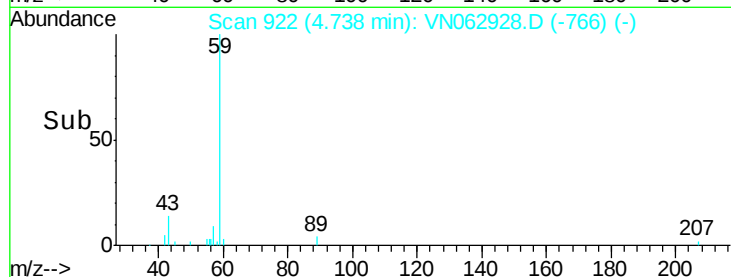
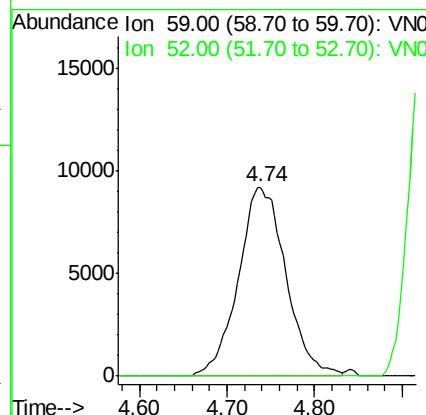
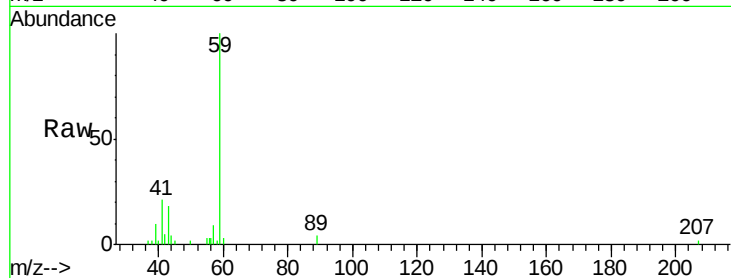
tert-Butyl Alcohol
 Concen: 105.068 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
52	52	0.0	0.0	0.0

Manual Integrations
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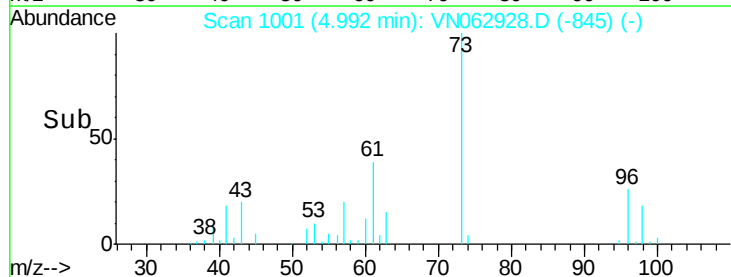
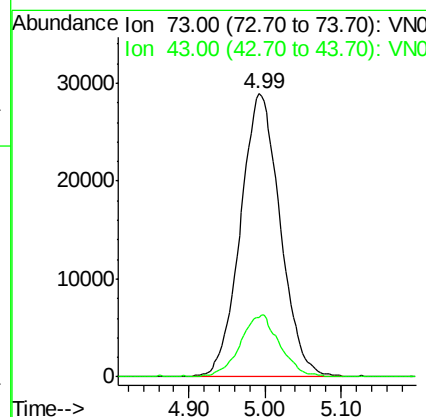
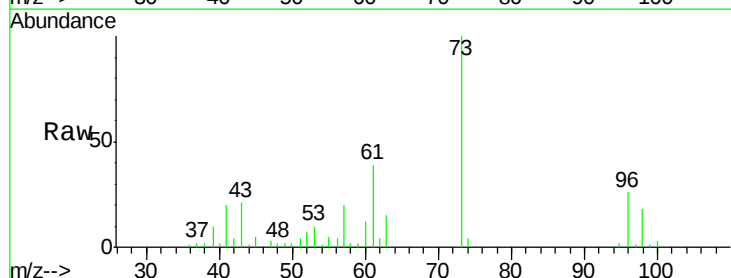
MMDadoda
 8/17/2020 9:20:02 AM

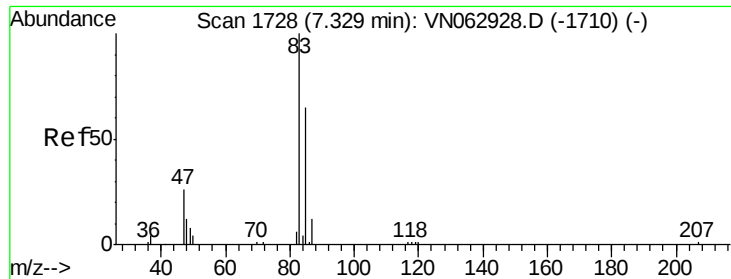


#24

Methyl tert-Butyl Ether
 Concen: 18.455 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	21.6	17.3	25.9





#25

Chloroform

Concen: 19.031 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 83 Resp: 62621

Ion Ratio Lower Upper

83 100

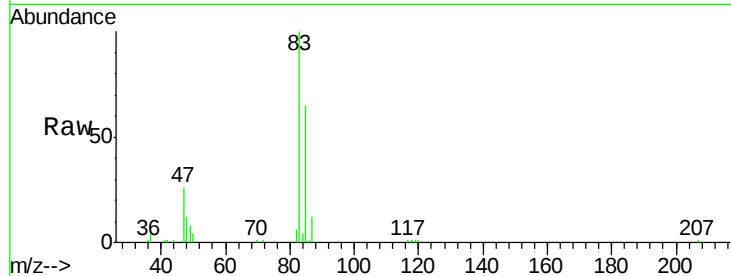
85 65.4 52.3 78.5

Manual Integrations

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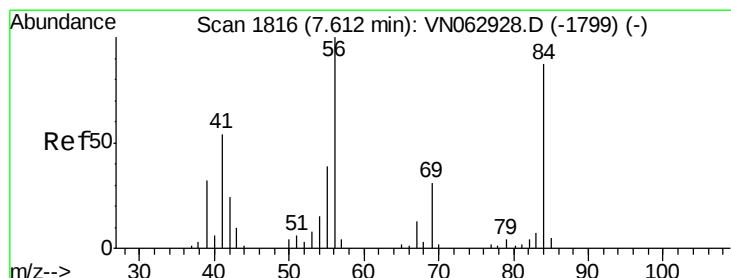
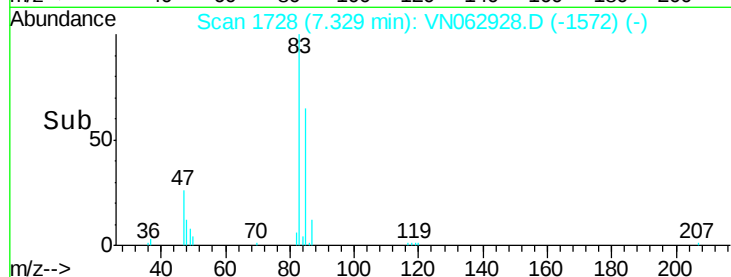
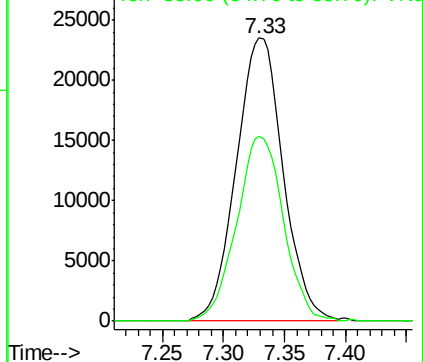
MMDadoda

8/17/2020 9:20:02 AM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 15.408 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

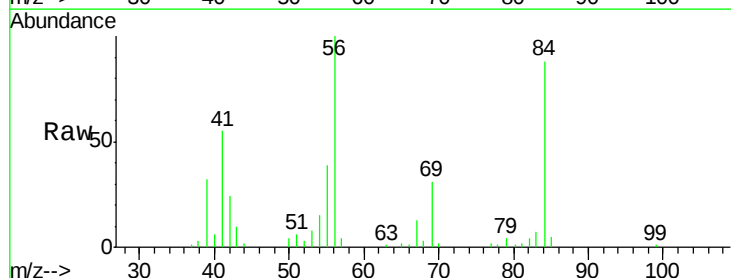
Tgt Ion: 56 Resp: 46729

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

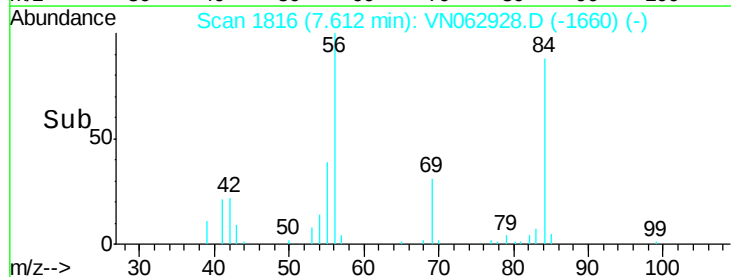
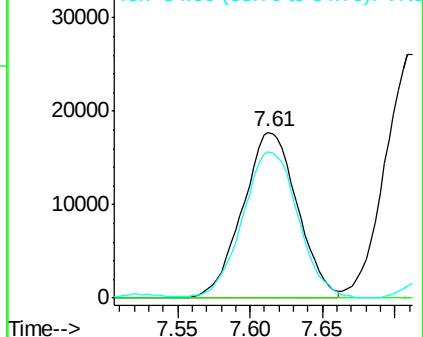
84 89.9 71.9 107.9

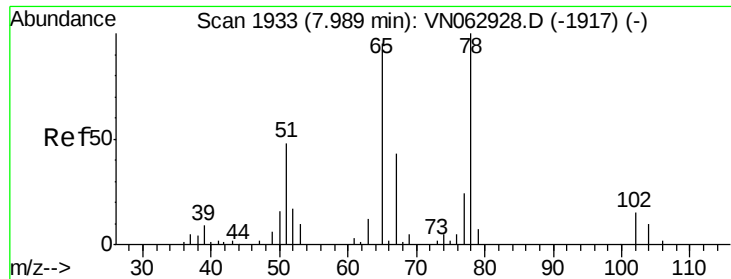


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





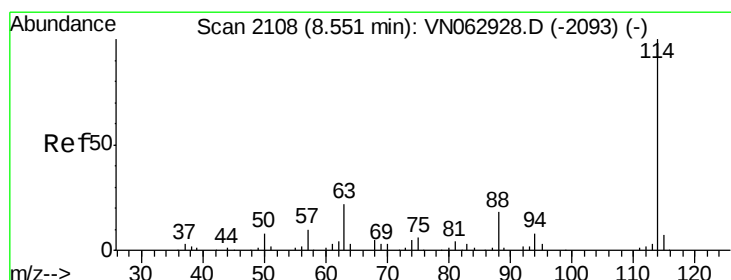
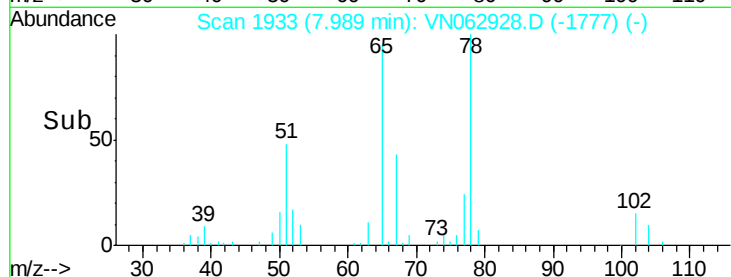
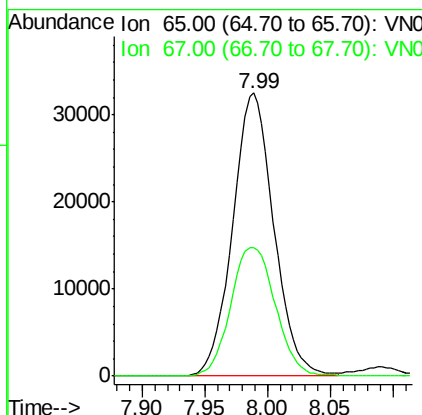
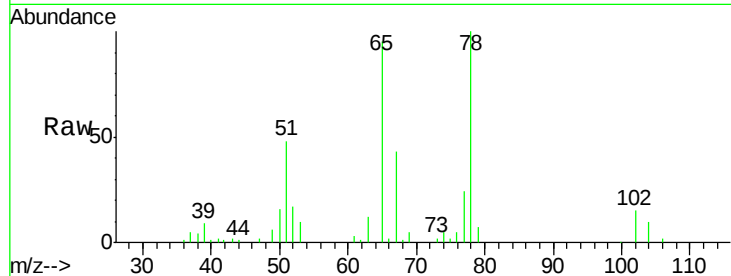
#27
 1,2-Dichloroethane-d4
 Concen: 31.433 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 65 Resp: 74210
 Ion Ratio Lower Upper
 65 100
 67 49.4 39.5 59.3

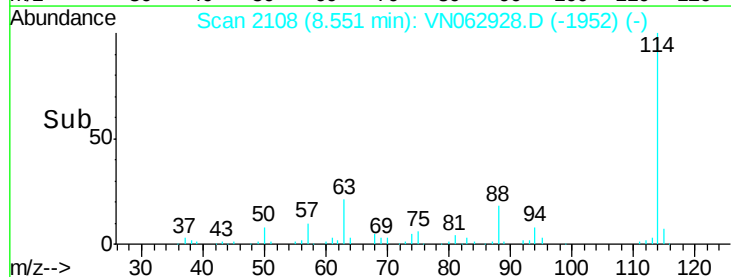
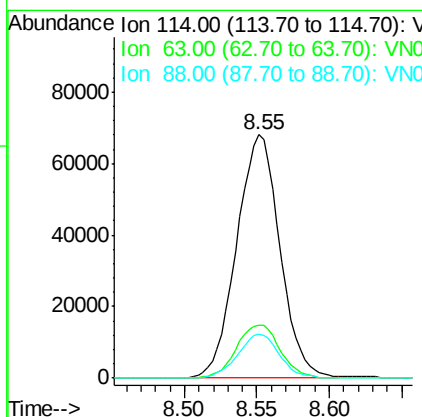
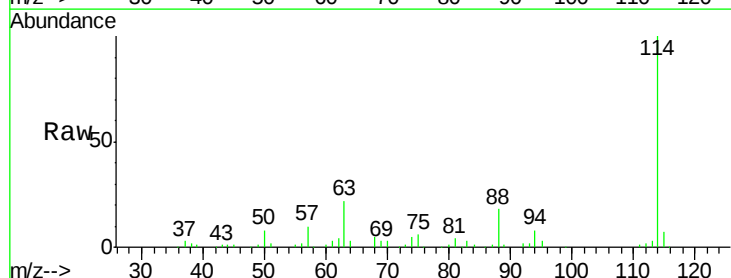
Manual Integrations
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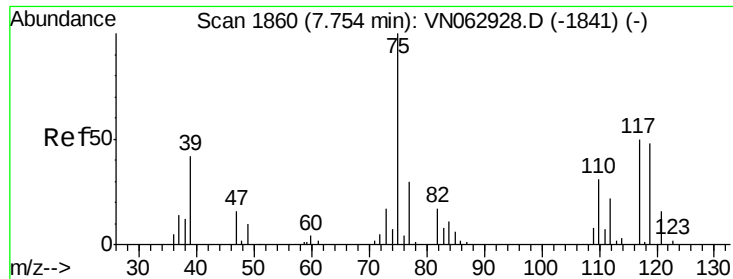
MMDadoda
 8/17/2020 9:20:02 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Tgt Ion: 114 Resp: 141223
 Ion Ratio Lower Upper
 114 100
 63 22.1 17.7 26.5
 88 17.4 13.9 20.9





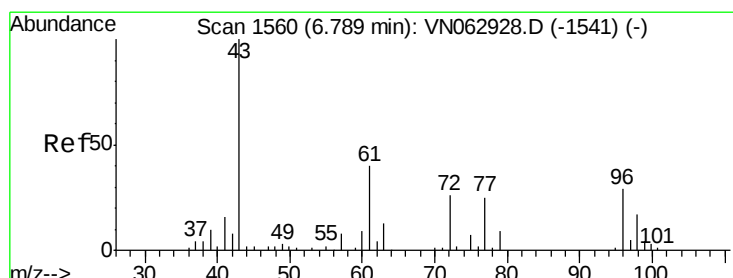
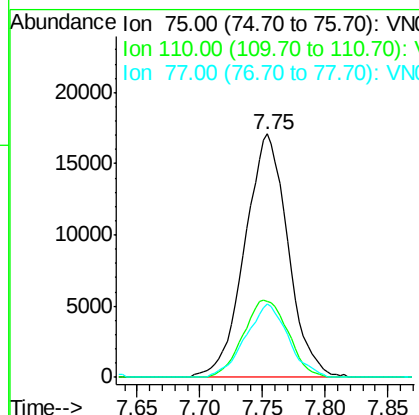
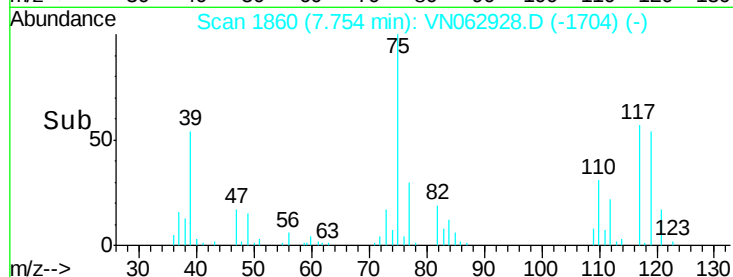
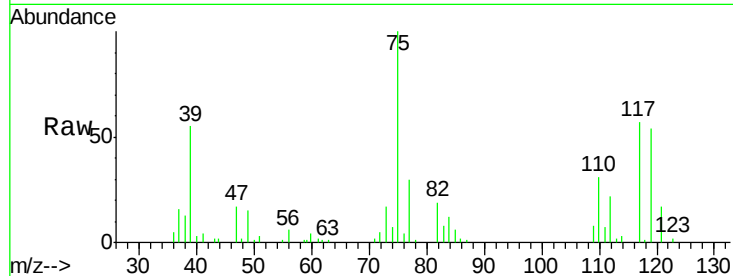
#29
 1,1-Dichloropropene
 Concen: 17.489 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.9	0.0	65.8
77	29.9	0.0	59.8

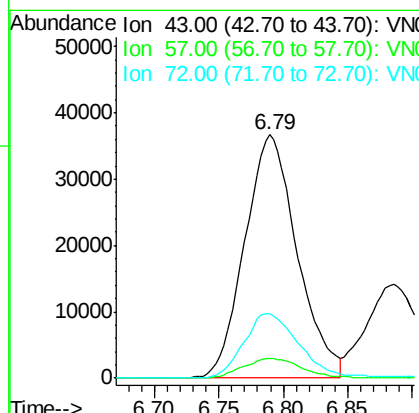
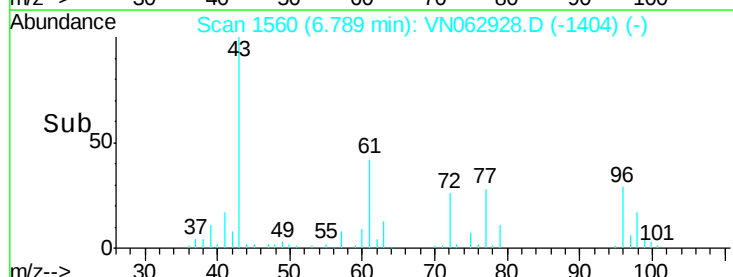
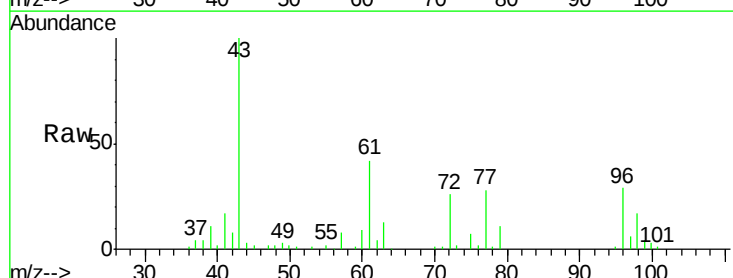
Manual Integrations
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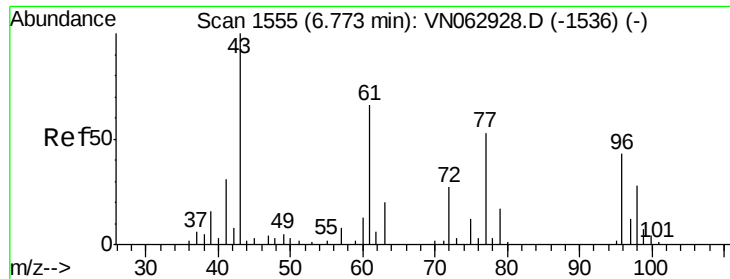
MMDadoda
 8/17/2020 9:20:02 AM



#30
 2-Butanone
 Concen: 86.004 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.8	7.0	10.6
72	27.5	22.0	33.0





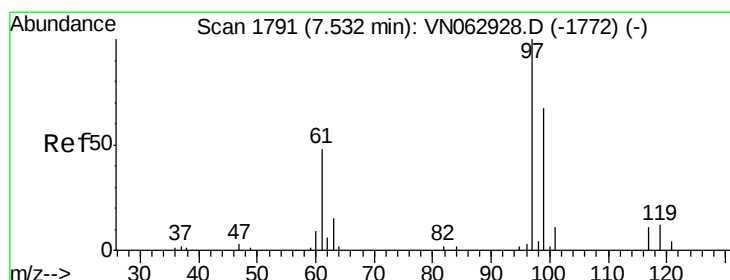
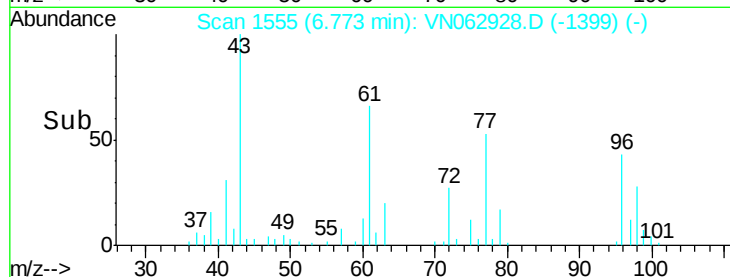
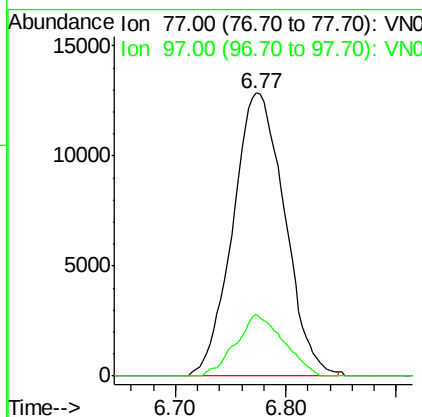
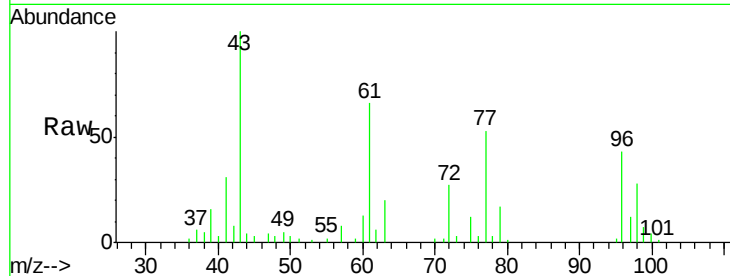
#31
 2,2-Dichloropropane
 Concen: 16.249 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion: 77 Resp: 41820
 Ion Ratio Lower Upper
 77 100
 97 20.1 16.1 24.1

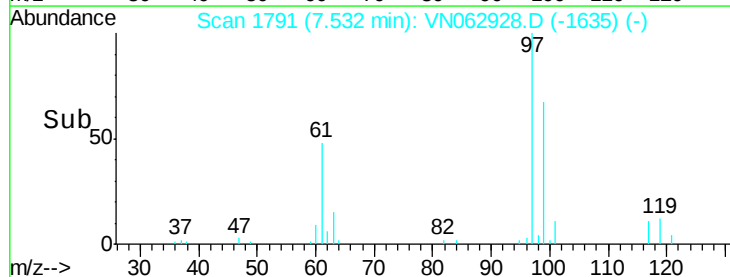
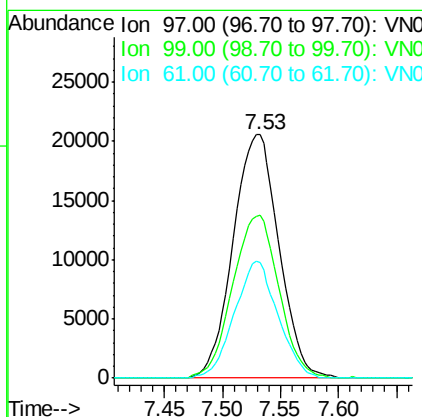
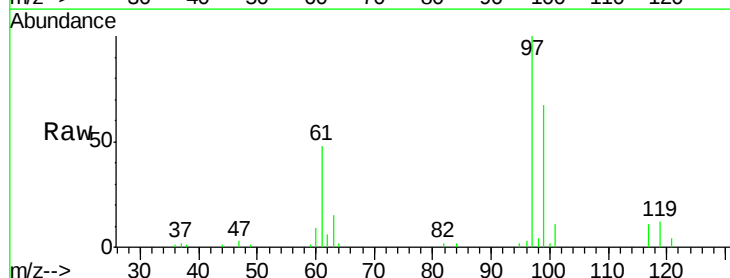
Manual Integrations
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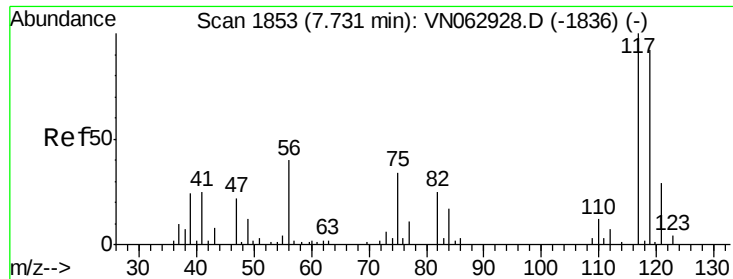
MMDadoda
 8/17/2020 9:20:02 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.496 ug/l
 RT: 7.53 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Tgt Ion: 97 Resp: 56424
 Ion Ratio Lower Upper
 97 100
 99 67.3 53.8 80.8
 61 45.4 36.3 54.5





#33

Carbon Tetrachloride

Concen: 21.897 ug/l

RT: 7.73 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:117 Resp: 50165
Ion Ratio Lower Upper

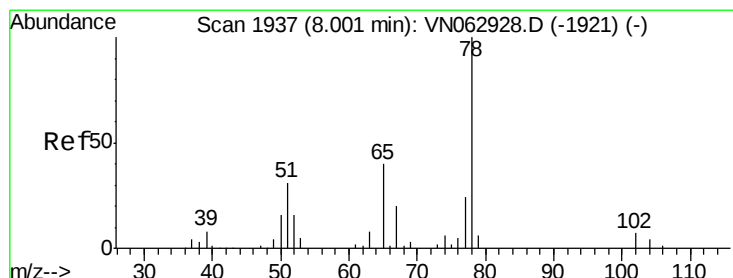
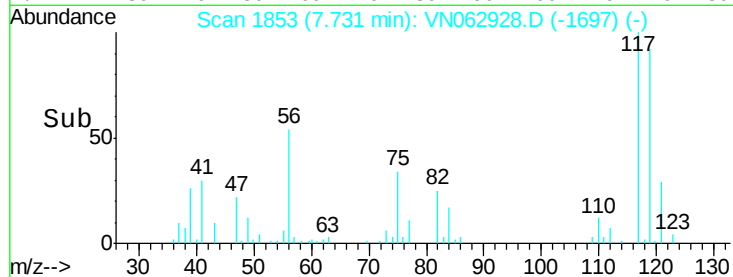
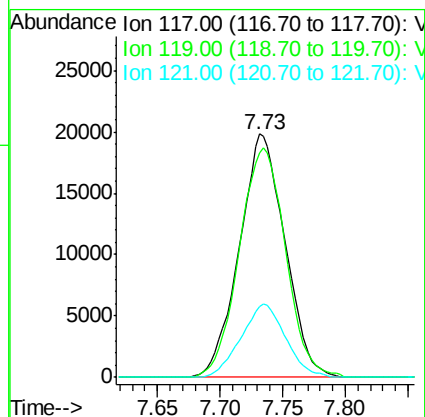
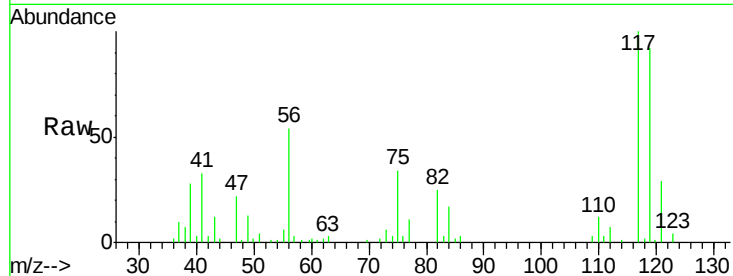
117 100

119 92.4 73.9 110.9

121 29.0 23.2 34.8

Manual Integrations
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#34

Benzene

Concen: 17.694 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN062928.D

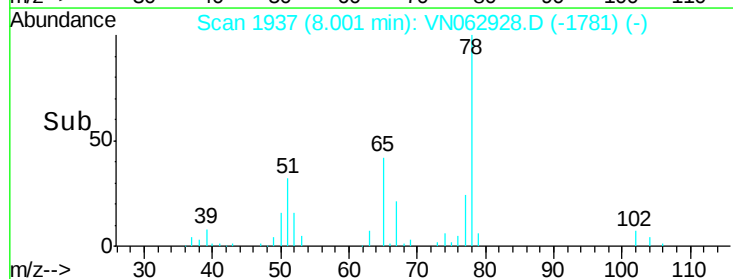
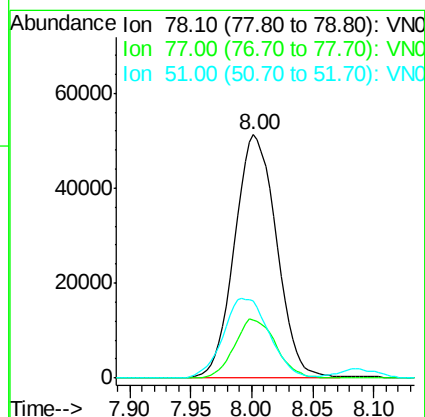
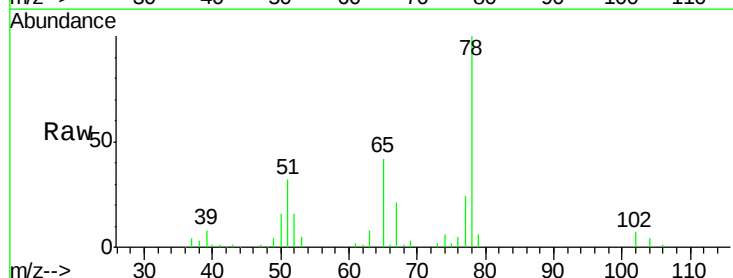
Acq: 13 Aug 2020 22:57

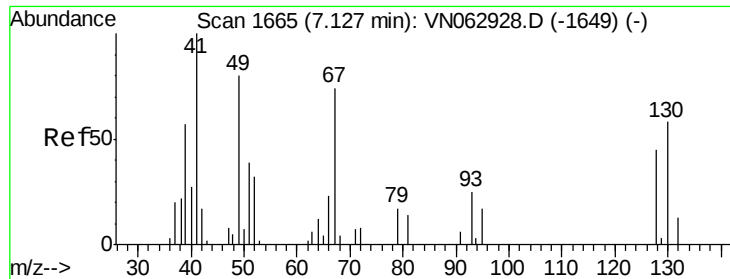
Tgt Ion: 78 Resp: 122441
Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9

51 31.1 24.9 37.3





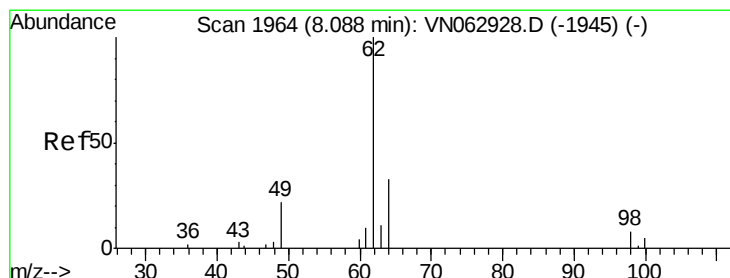
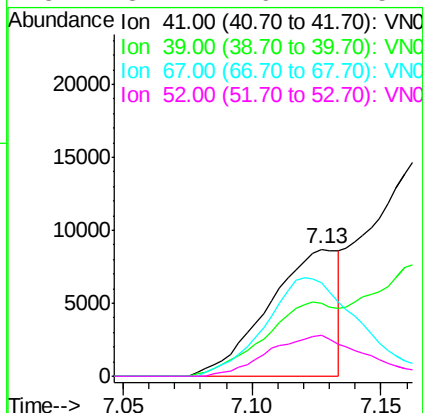
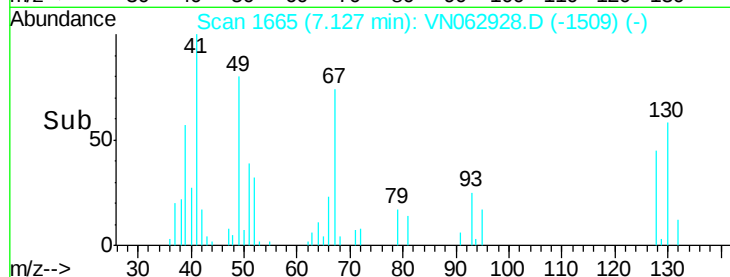
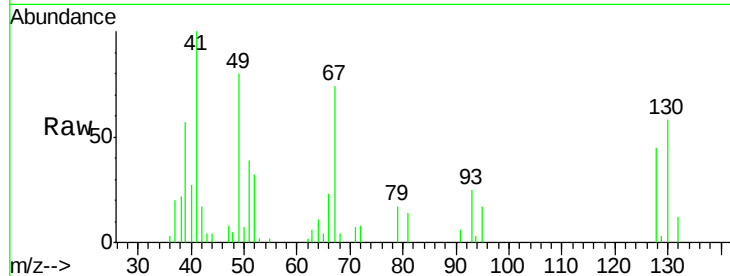
#35
Methacrylonitrile
Concen: 15.633 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.5	28.7	86.3	
67	73.5	36.8	110.3	
52	32.1	16.1	48.2	

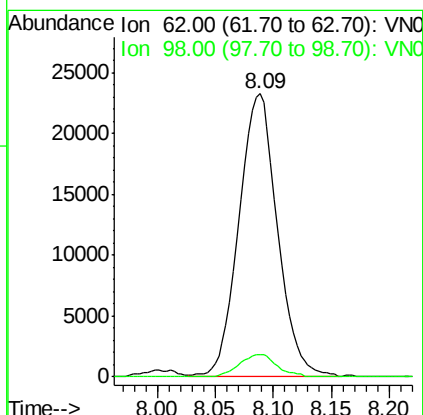
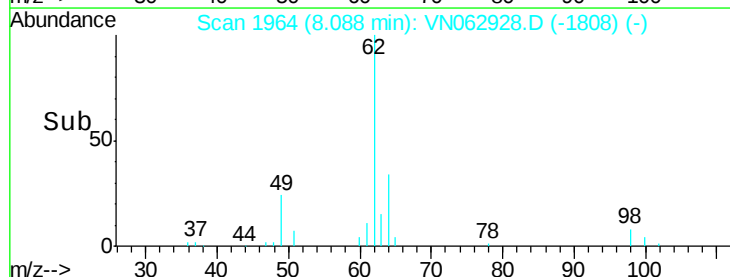
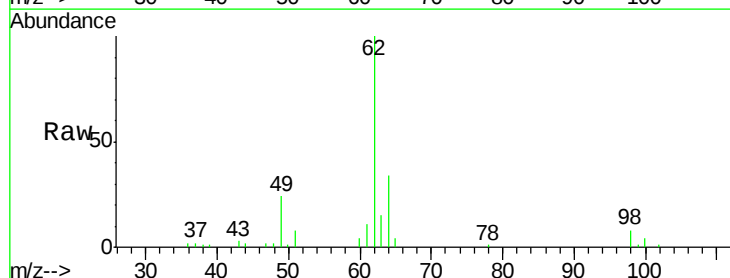
Manual Integrations
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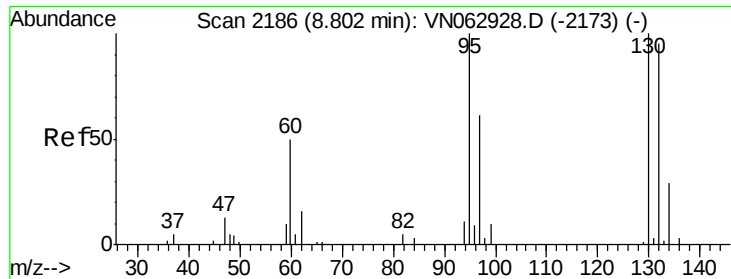
MMDadoda
8/17/2020 9:20:02 AM



#36
1,2-Dichloroethane
Concen: 20.805 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.6	6.1	9.1	





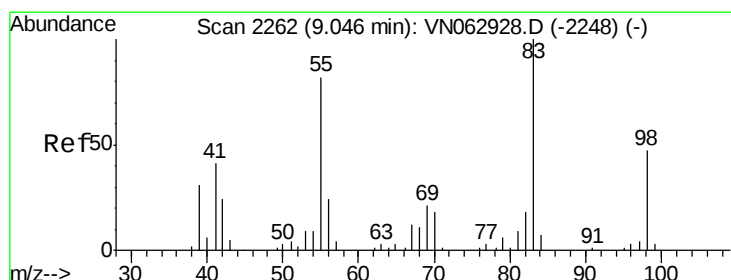
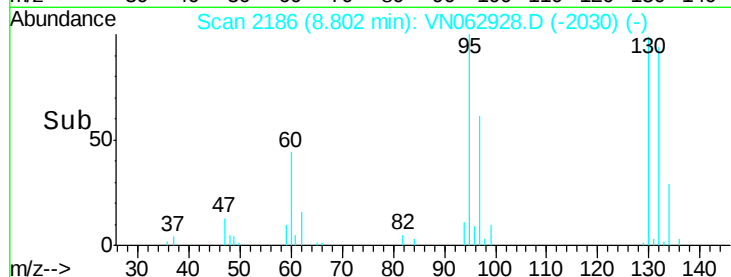
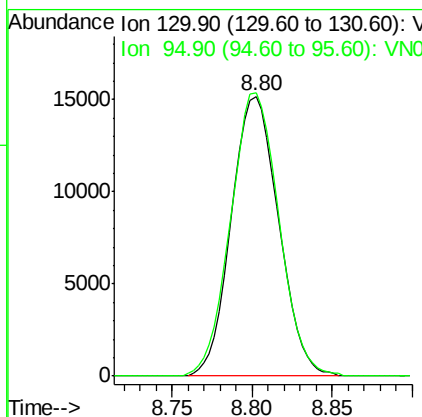
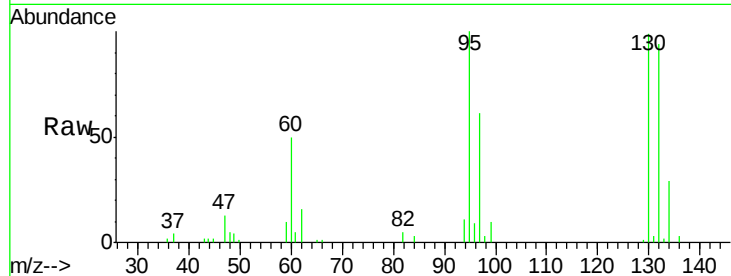
#37
 Trichloroethene
 Concen: 19.313 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 30664
 Ion Ratio Lower Upper
 130 100
 95 100.1 80.1 120.1

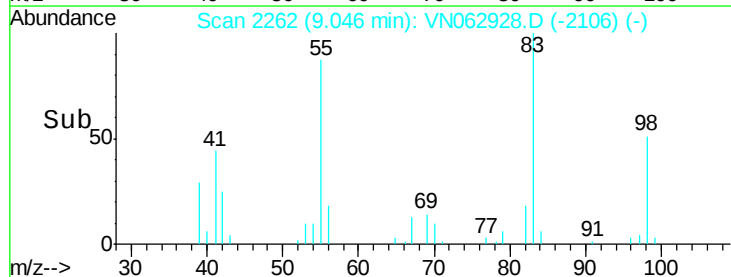
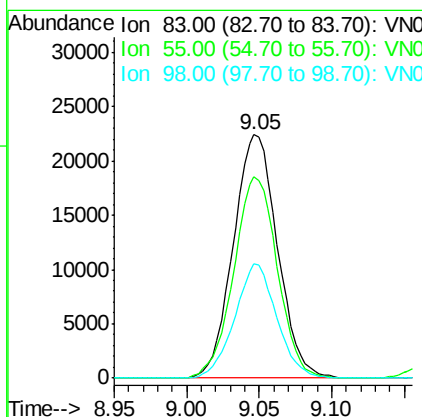
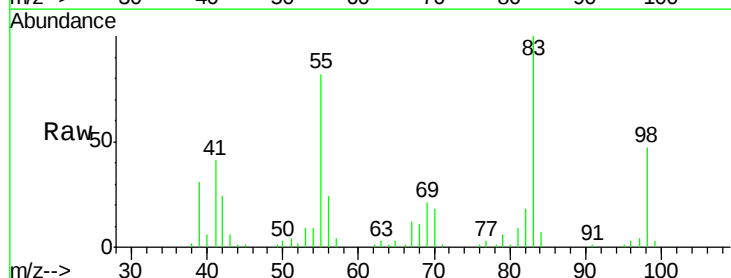
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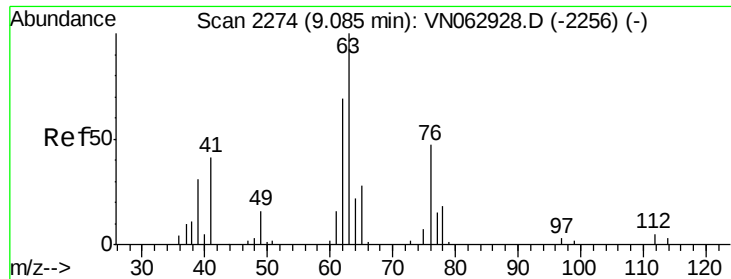
MMDadoda
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#38
 Methylcyclohexane
 Concen: 17.971 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Tgt Ion: 83 Resp: 47478
 Ion Ratio Lower Upper
 83 100
 55 81.7 40.8 122.5
 98 44.5 22.3 66.8





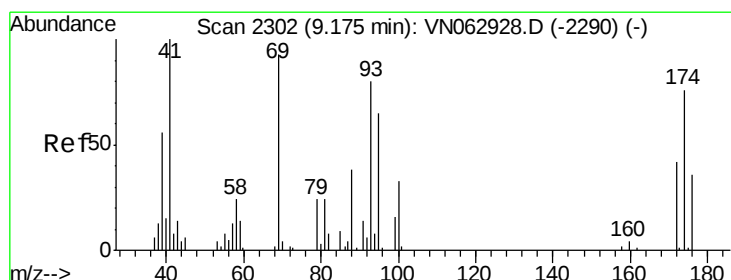
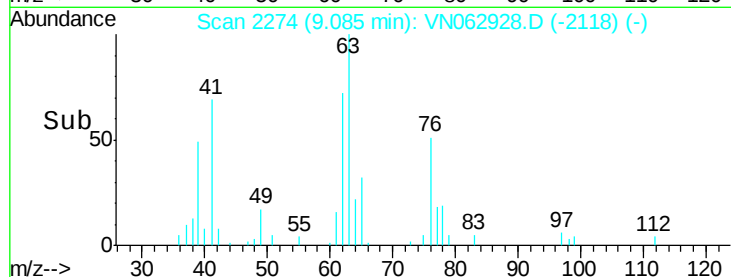
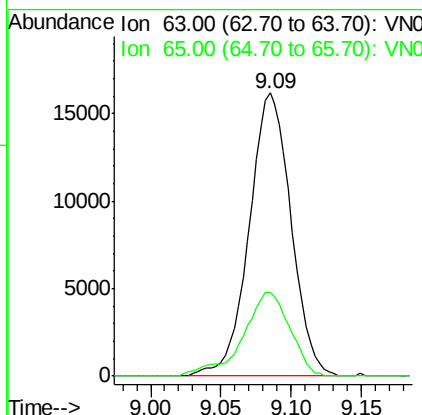
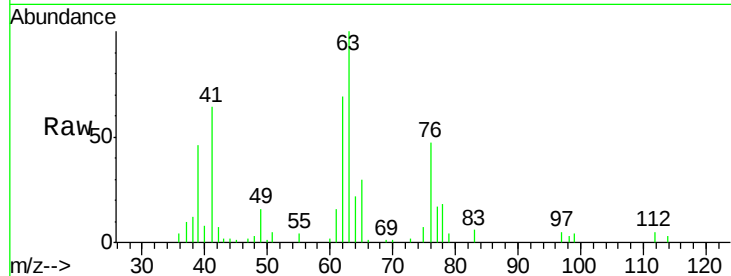
#39
 1,2-Dichloropropane
 Concen: 17.151 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion: 63 Resp: 33560
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.8 35.6

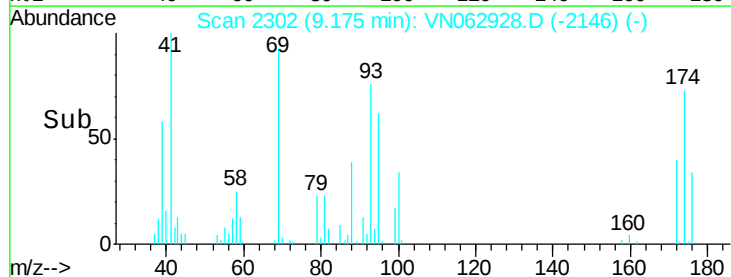
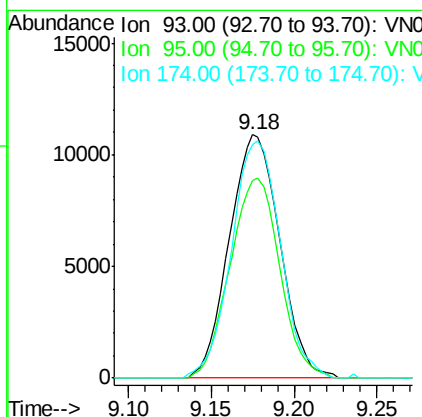
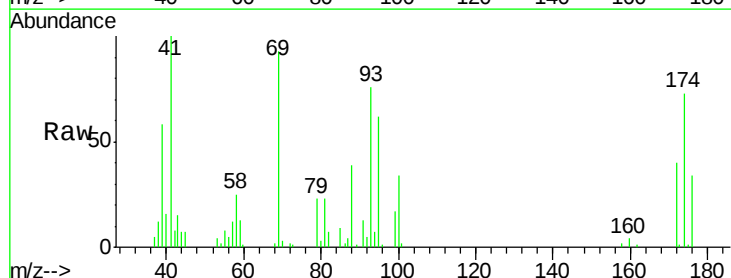
Manual Integrations
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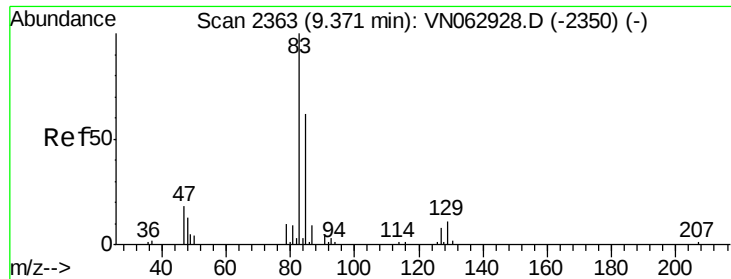
MMDadoda
 8/17/2020 9:20:02 AM



#40
 Dibromomethane
 Concen: 19.814 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Tgt Ion: 93 Resp: 23082
 Ion Ratio Lower Upper
 93 100
 95 80.9 0.0 161.8
 174 95.0 0.0 190.0





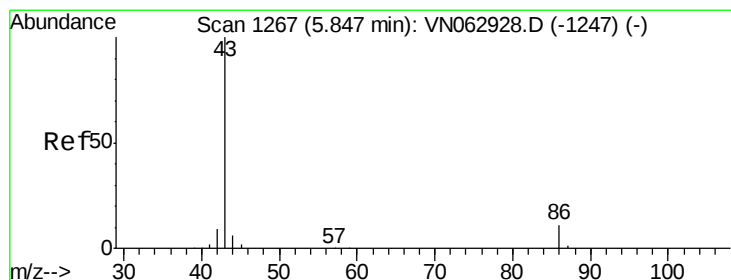
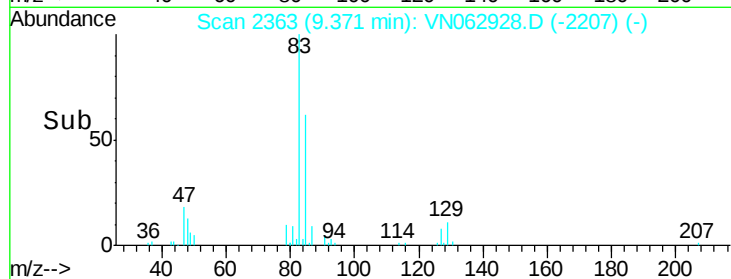
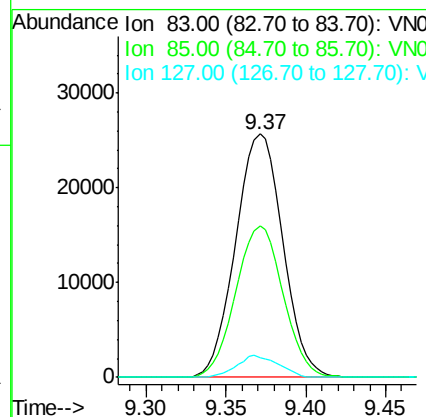
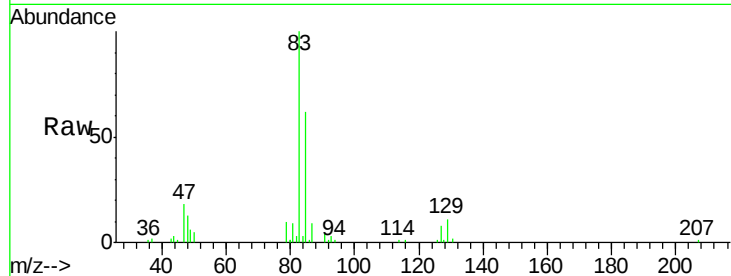
#41
 Bromodichloromethane
 Concen: 20.669 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	83	Resp	51719
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	49.9	74.9
127	8.9	7.1	10.7

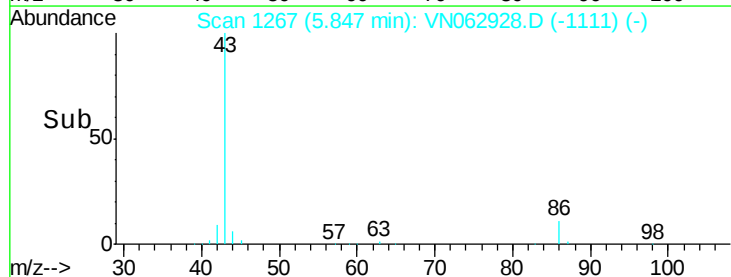
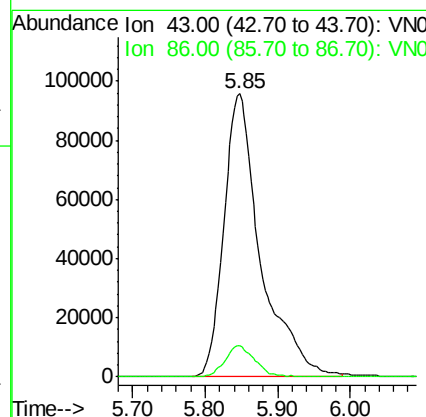
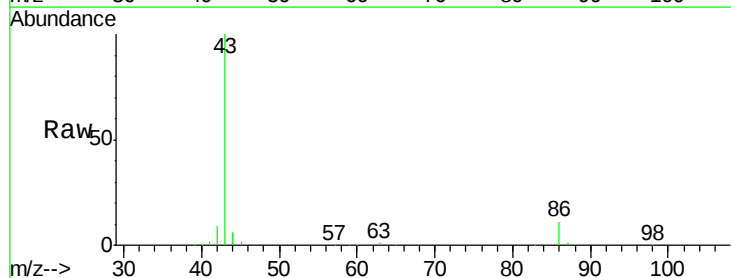
Manual Integrations
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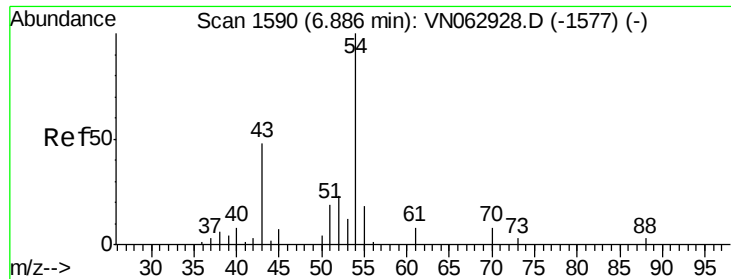
MMDadoda
 8/17/2020 9:20:02 AM



#42
 Vinyl Acetate
 Concen: 69.018 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Tgt Ion	43	Resp	336993
Ion Ratio	100	Lower	Upper
43	100		
86	8.9	7.1	10.7





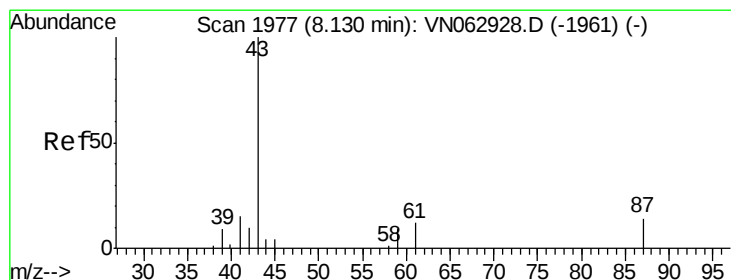
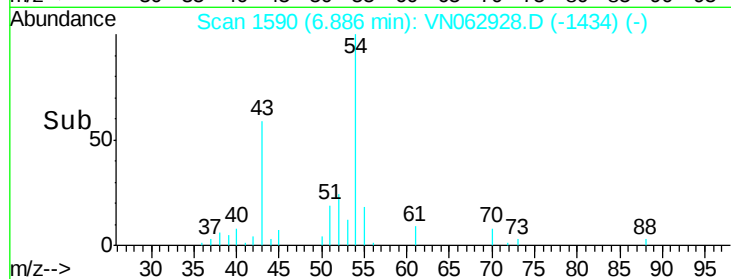
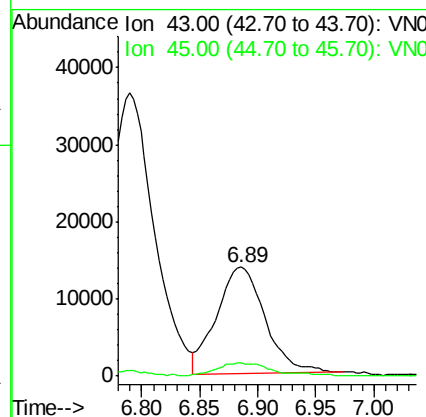
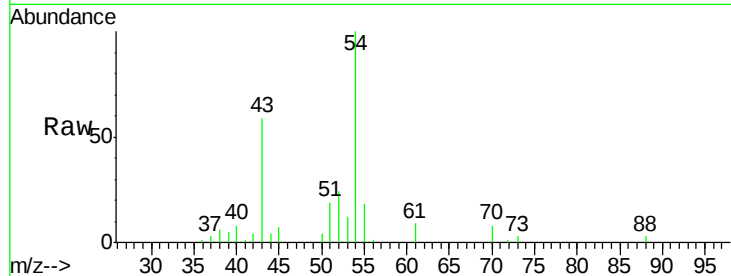
#43
Ethyl Acetate
Concen: 16.411 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	43	45	Ratio	Lower	Upper
40117	100	8.2		6.6	9.8

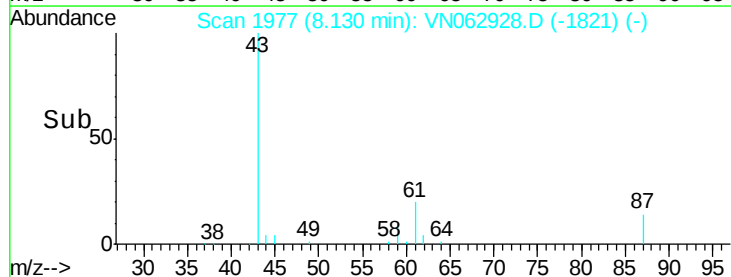
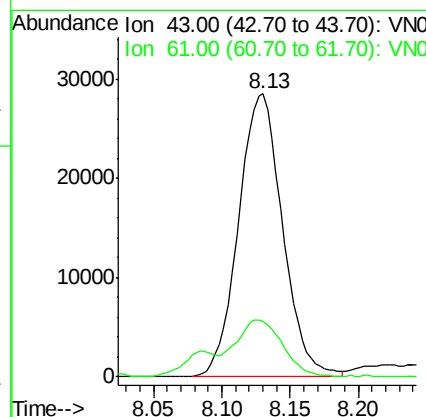
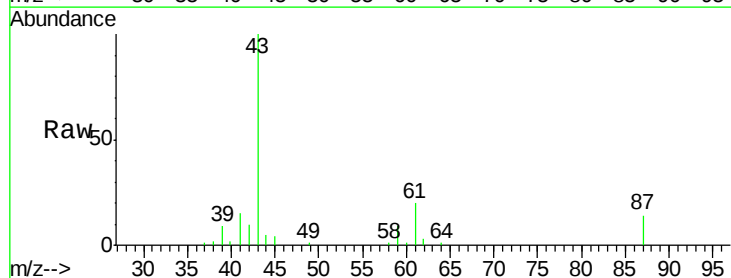
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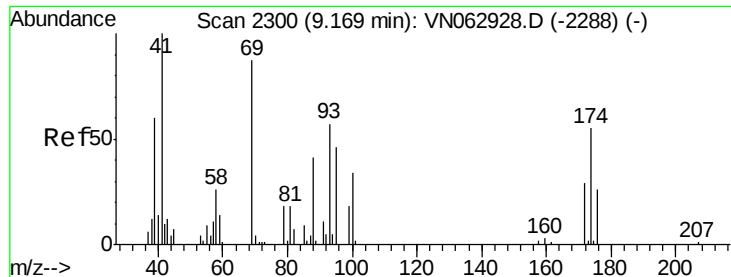
MMDadoda
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#44
Isopropyl Acetate
Concen: 15.673 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion	43	61	Ratio	Lower	Upper
63942	100	21.5		17.2	25.8





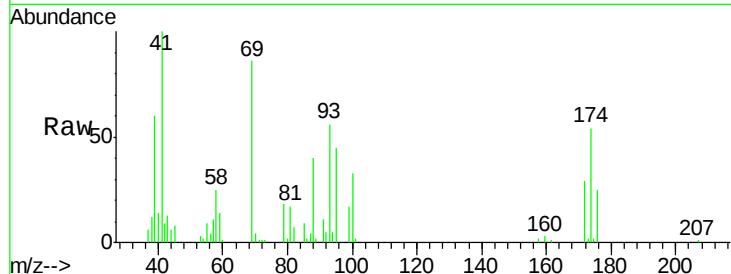
#45
1,4-Dioxane
Concen: 442.518 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	26.0	39.0
58	67.7	54.2	81.2

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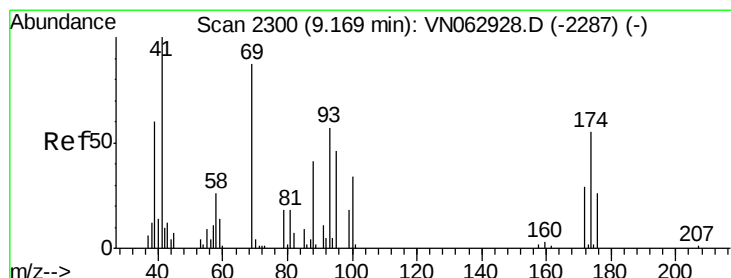
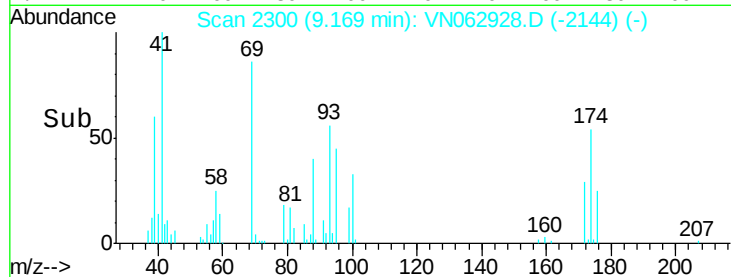
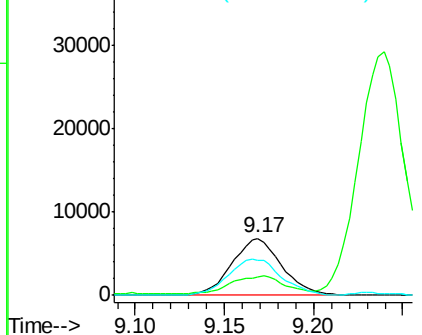


Abundance

Ion 88.00 (87.70 to 88.70): VN0

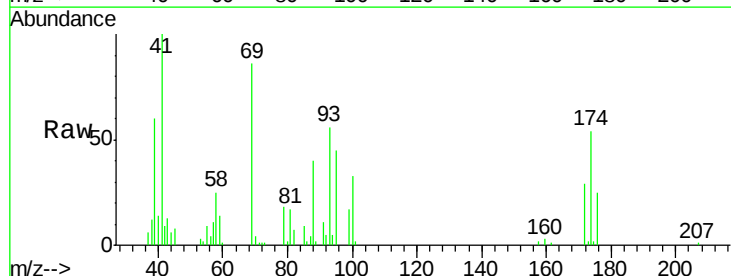
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
Methyl methacrylate
Concen: 16.435 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.3	43.6	130.9
39	59.9	29.9	89.8

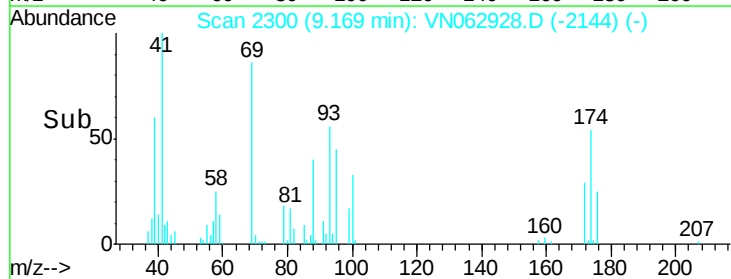
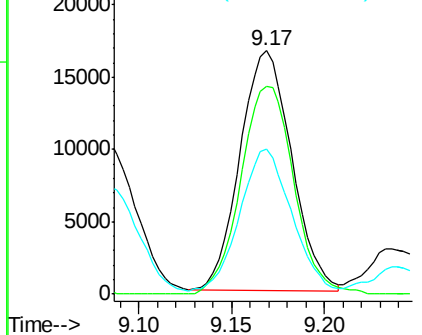


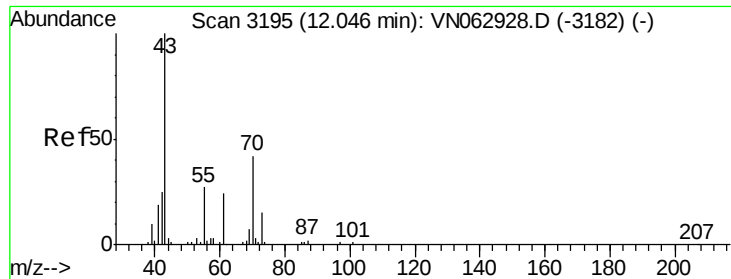
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 16.247 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 56660

Ion Ratio Lower Upper

43 100

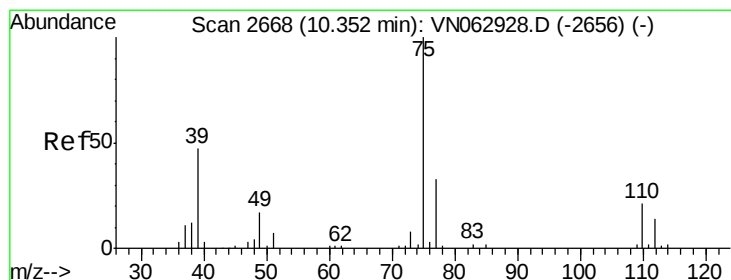
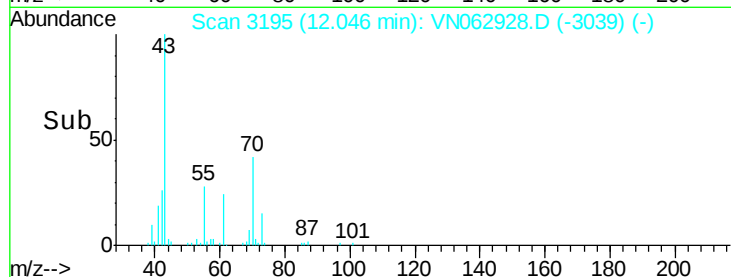
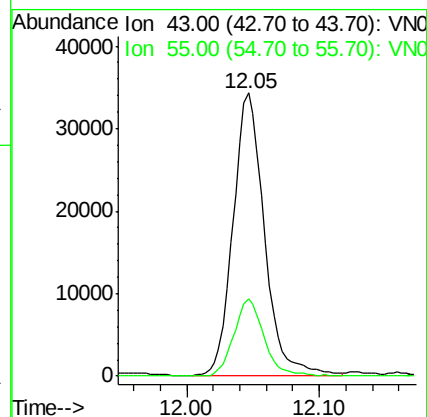
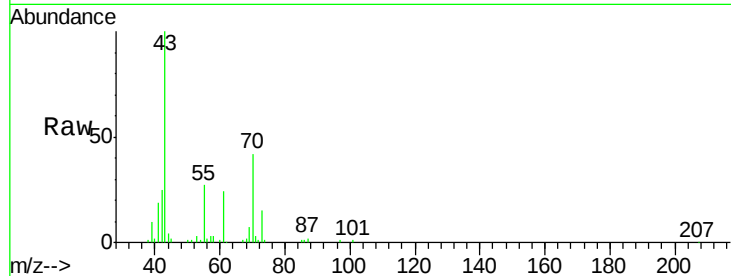
55 26.0 20.8 31.2

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#48

t-1,3-Dichloropropene

Concen: 18.390 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062928.D

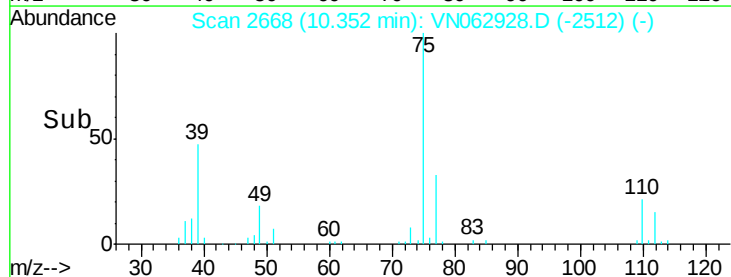
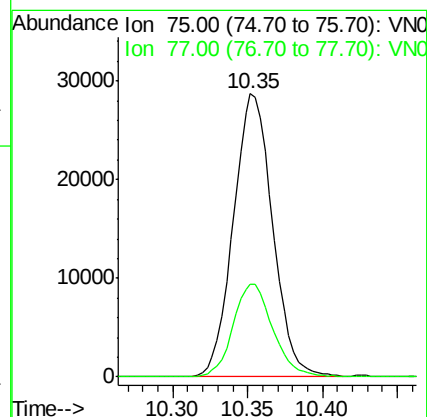
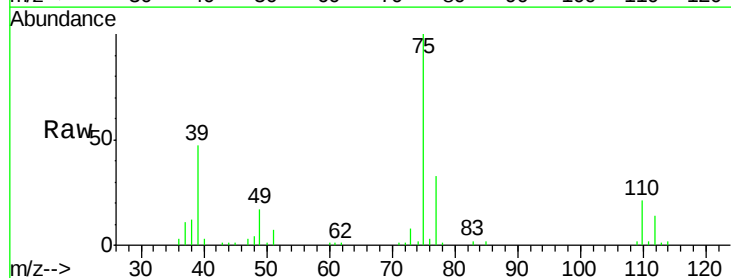
Acq: 13 Aug 2020 22:57

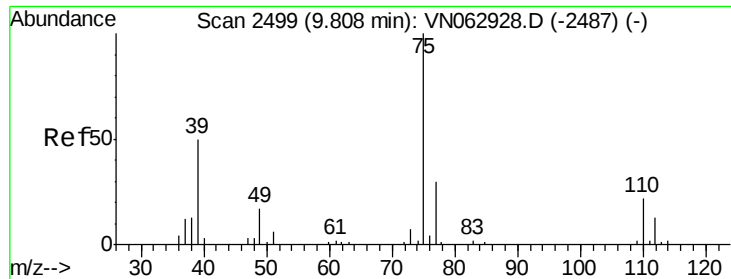
Tgt Ion: 75 Resp: 52479

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2





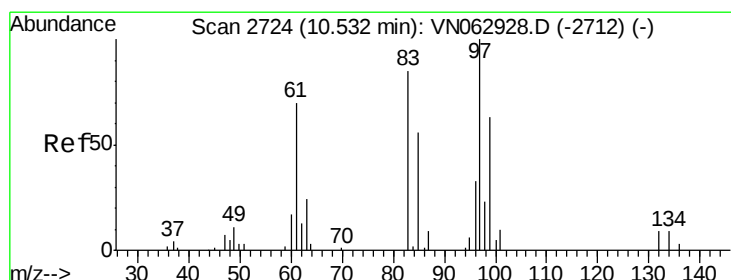
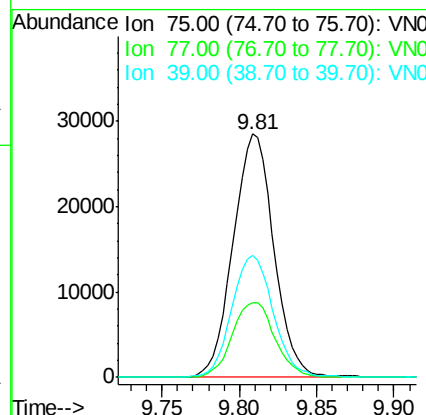
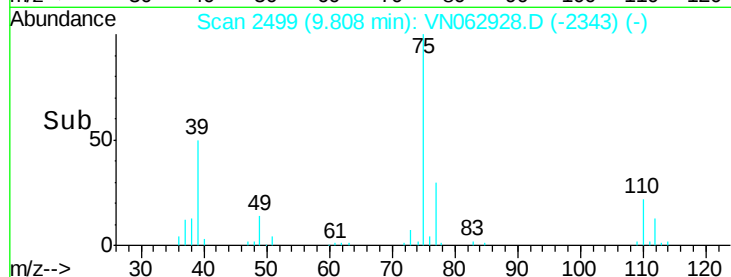
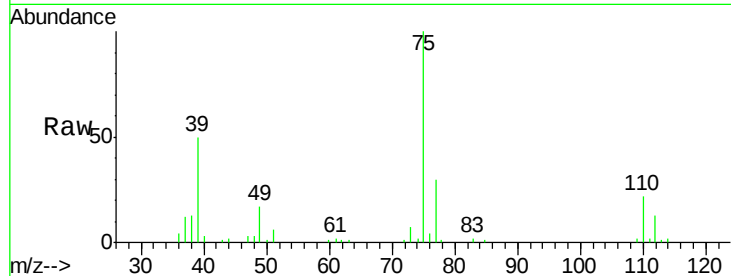
#49
 cis-1,3-Dichloropropene
 Concen: 17.178 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:	75	Resp:	52024
Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.4	36.6
39	50.3	40.2	60.4

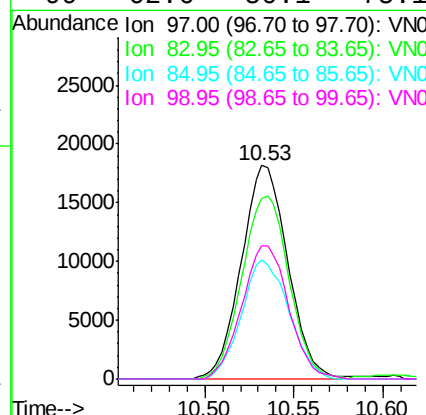
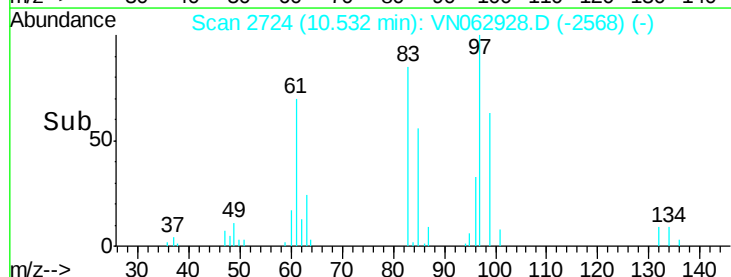
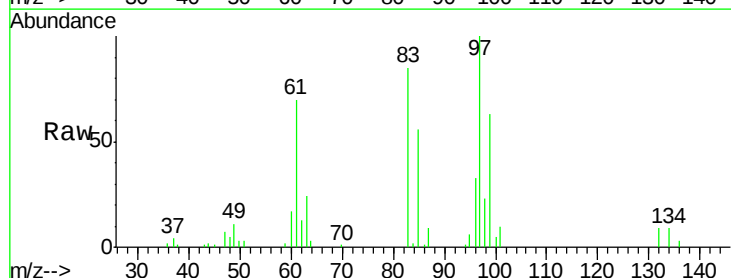
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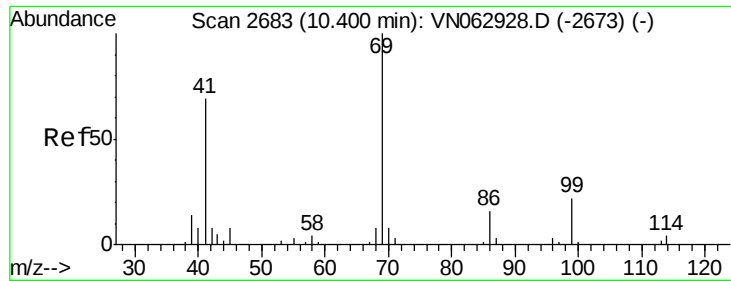
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#50
 1,1,2-Trichloroethane
 Concen: 20.194 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Tgt Ion:	97	Resp:	33087
Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.8	101.6
85	55.6	44.5	66.7
99	62.6	50.1	75.1





#51

Ethyl methacrylate

Concen: 17.423 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Instrument :

MSVOA_N

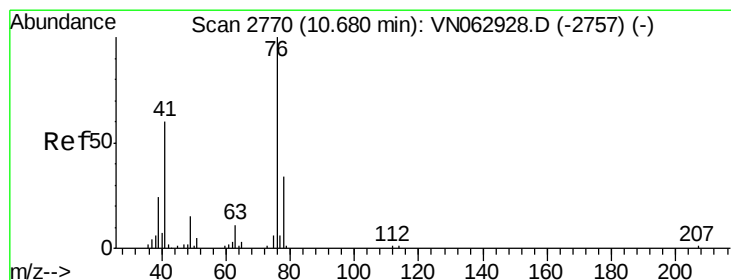
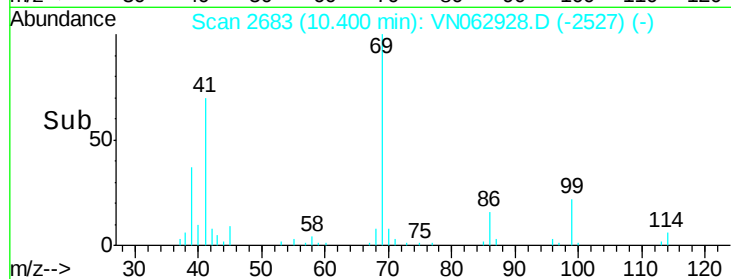
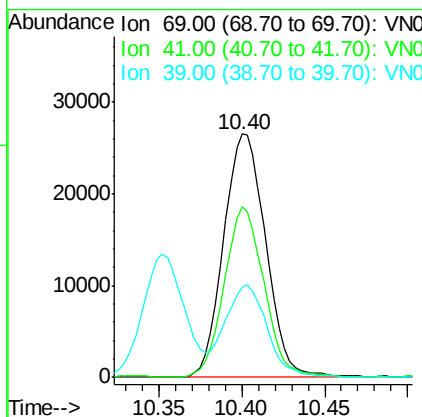
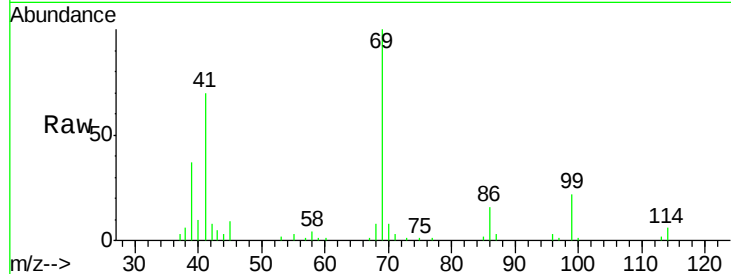
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	46810
Ion	Ratio	Lower	Upper
69	100		
41	69.5	34.8	104.3
39	37.2	18.6	55.8

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#52

1,3-Dichloropropane

Concen: 19.110 ug/l

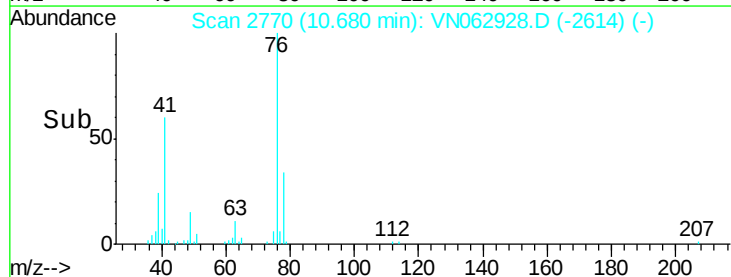
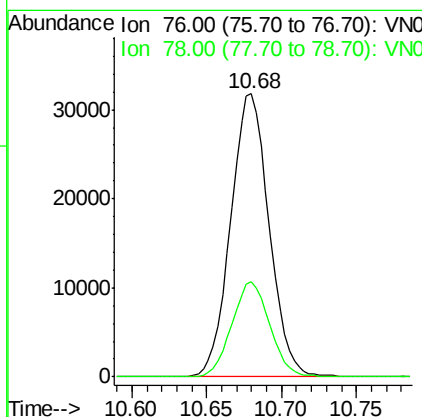
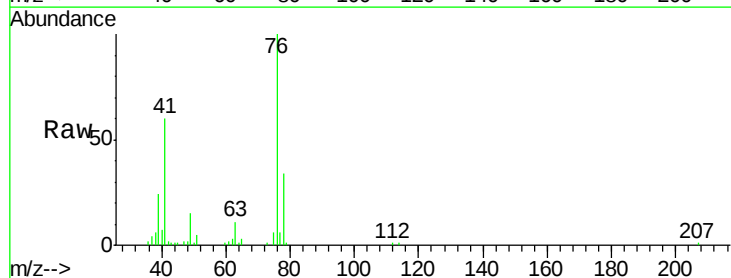
RT: 10.68 min Scan# 2770

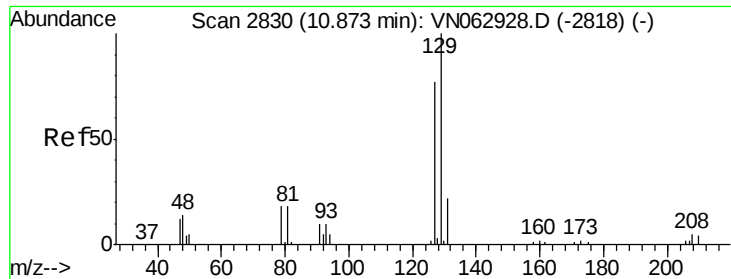
Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Tgt Ion:	76	Resp:	56802
Ion	Ratio	Lower	Upper
76	100		
78	33.1	0.0	66.2





#53

Dibromochloromethane

Concen: 21.578 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:129 Resp: 39302

Ion Ratio Lower Upper

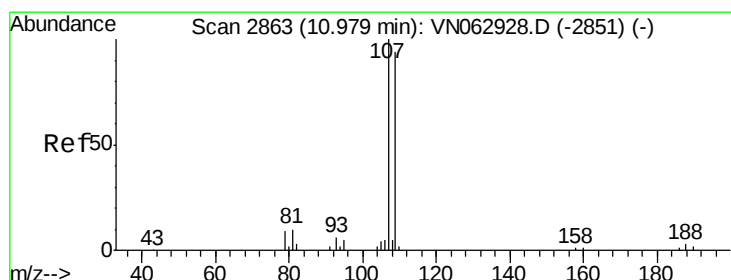
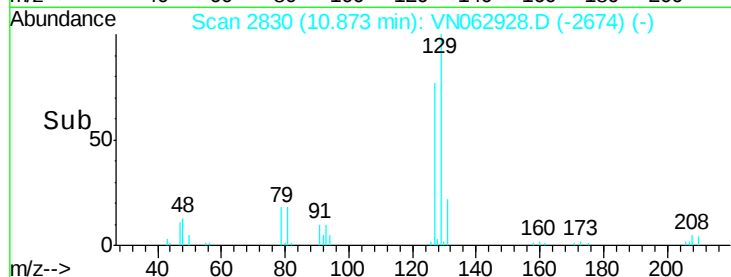
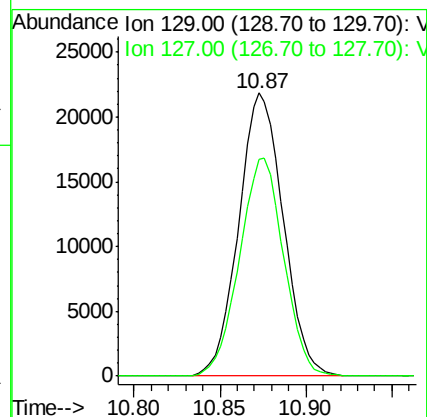
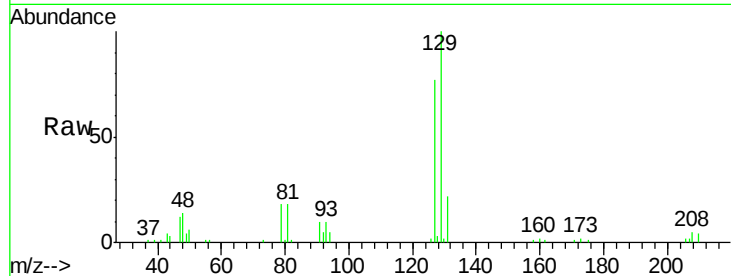
129 100

127 76.3 38.1 114.5

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#54

1,2-Dibromoethane

Concen: 19.443 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062928.D

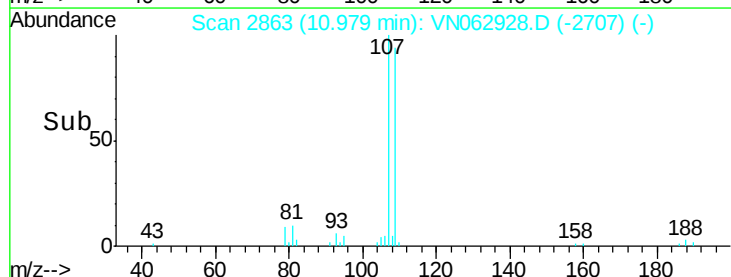
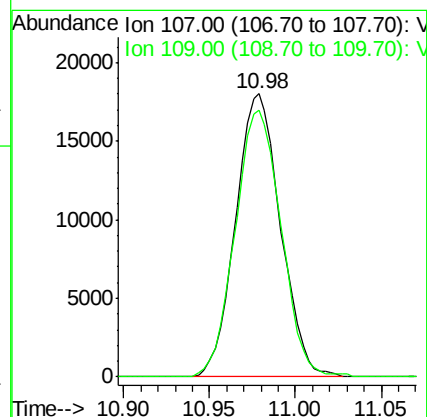
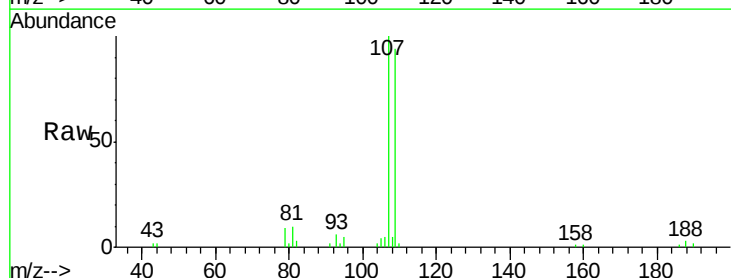
Acq: 13 Aug 2020 22:57

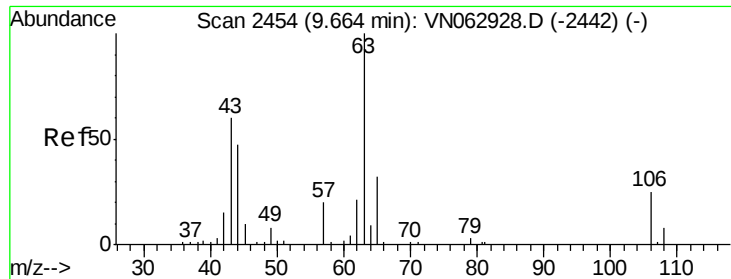
Tgt Ion:107 Resp: 32623

Ion Ratio Lower Upper

107 100

109 96.1 76.9 115.3





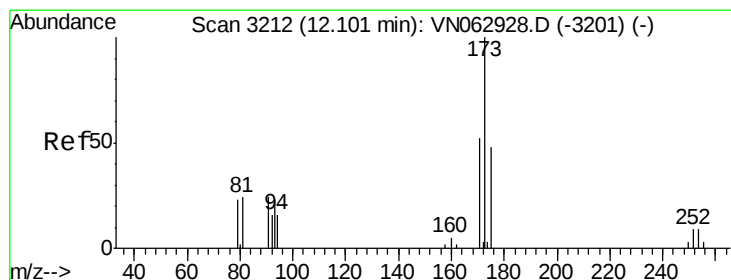
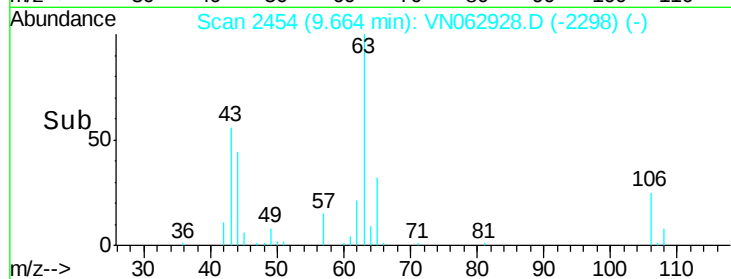
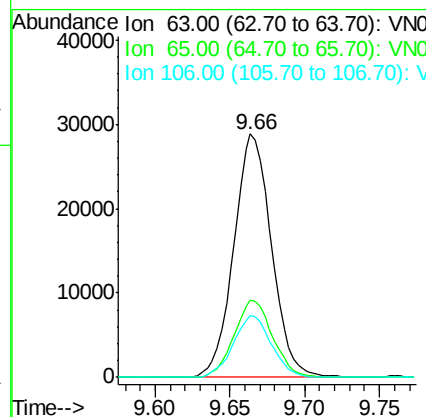
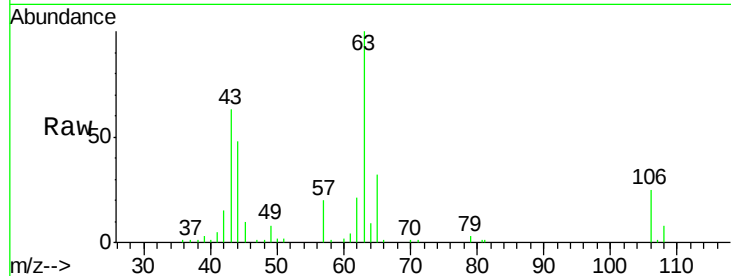
#55
2-Chloroethyl vinyl ether
Concen: 62.425 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.8	38.8
106	25.5	20.4	30.6

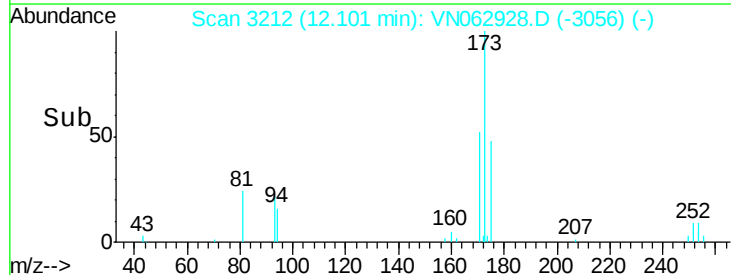
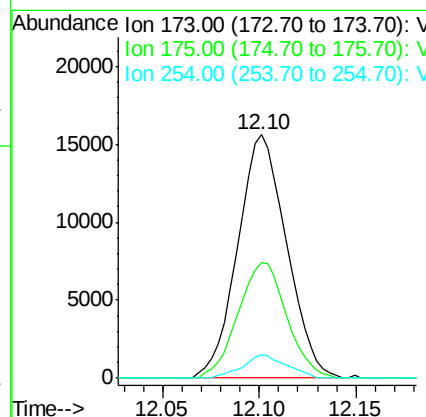
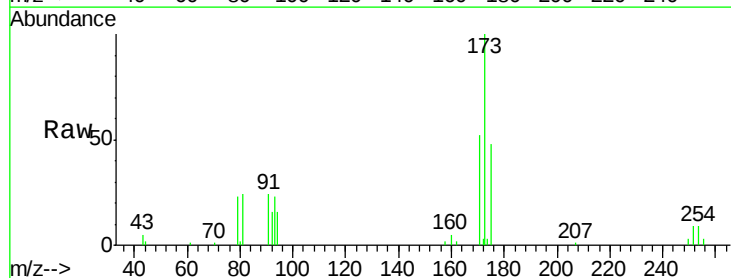
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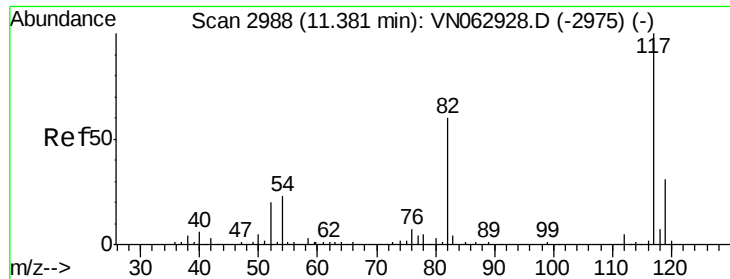
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#56
Bromoform
Concen: 21.856 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.2	37.8	56.6
254	8.6	6.9	10.3





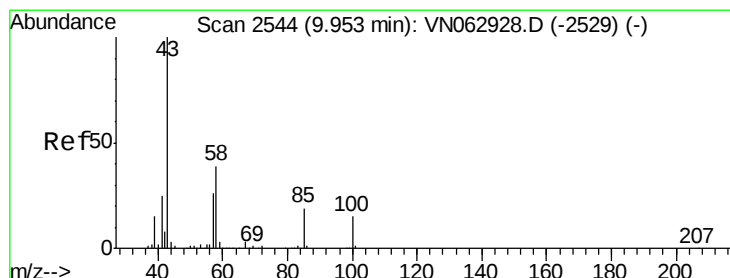
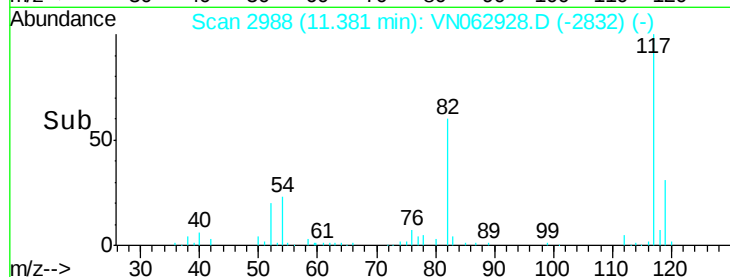
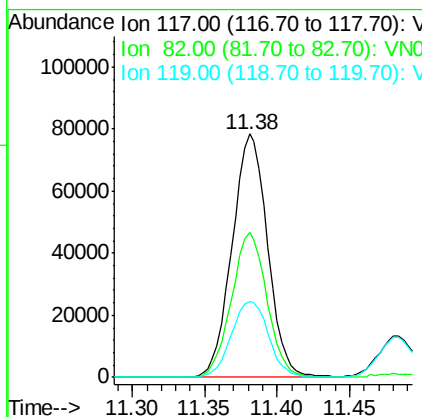
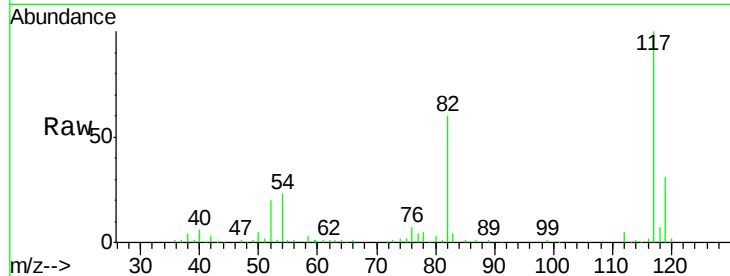
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.5	71.3
119	32.5	26.0	39.0

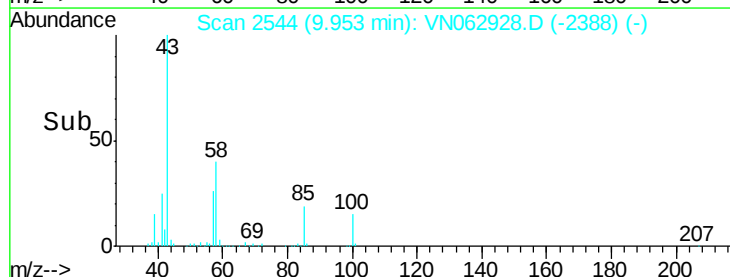
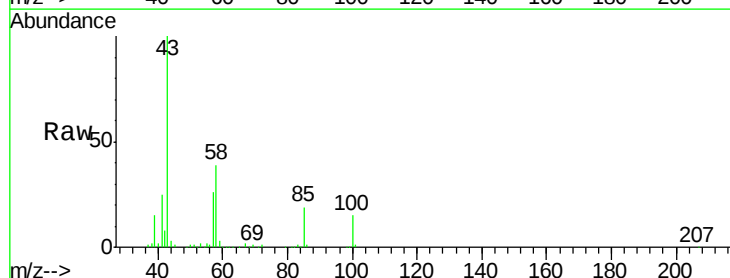
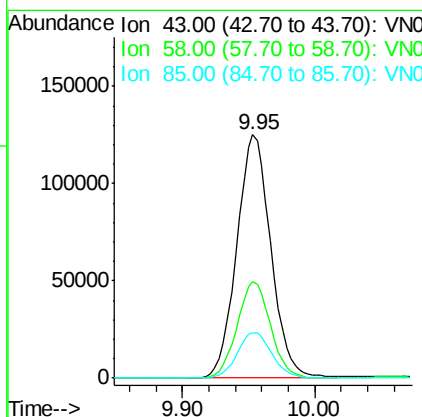
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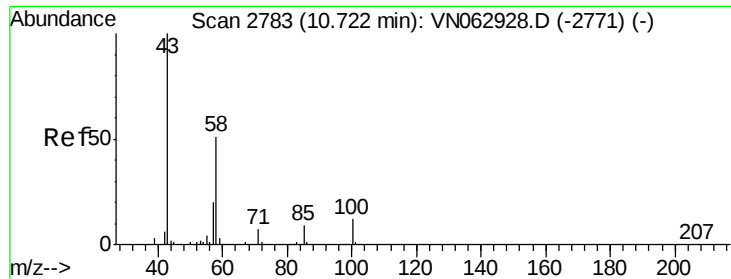
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#58
4-Methyl-2-Pentanone
Concen: 88.525 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.3	46.9
85	19.0	15.2	22.8





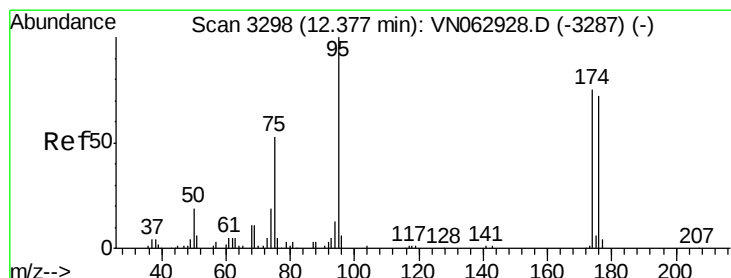
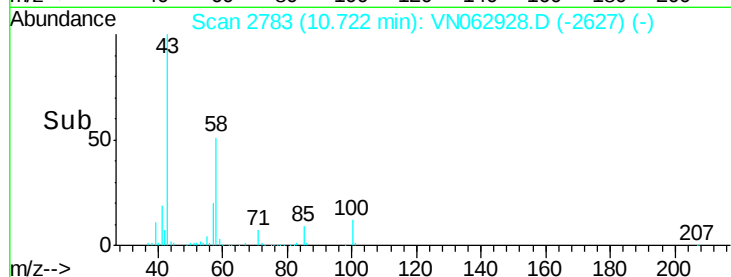
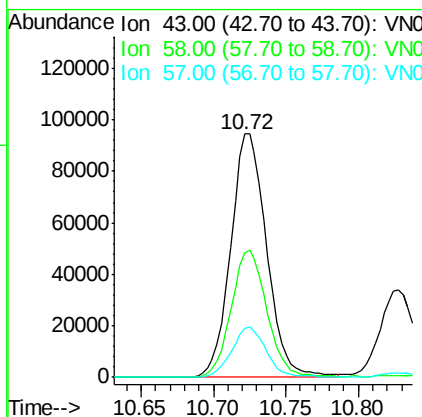
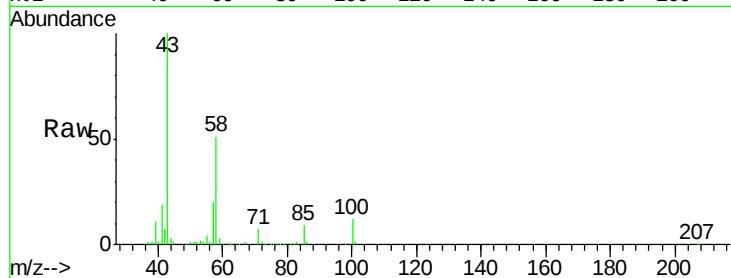
#59
2-Hexanone
Concen: 88.100 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.2	41.8	62.6
57	20.2	16.2	24.2

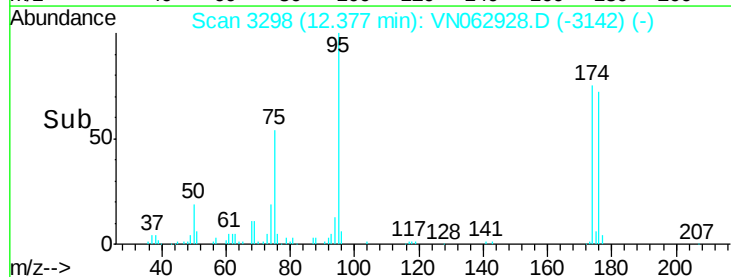
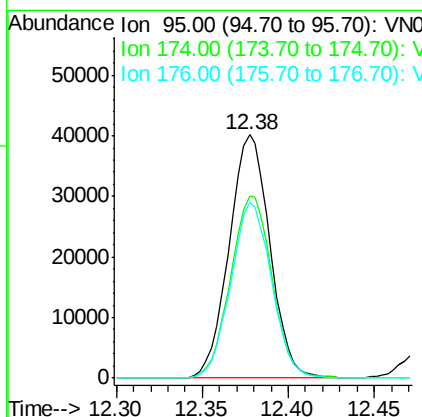
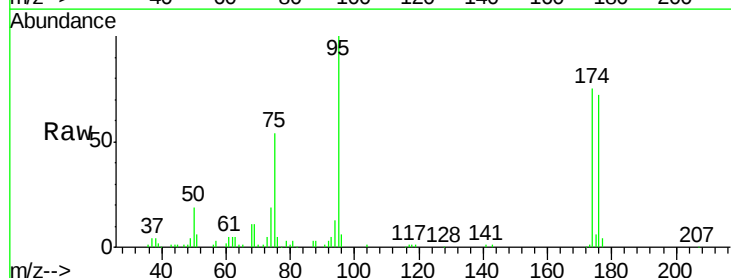
Manual Integrations
APPROVED

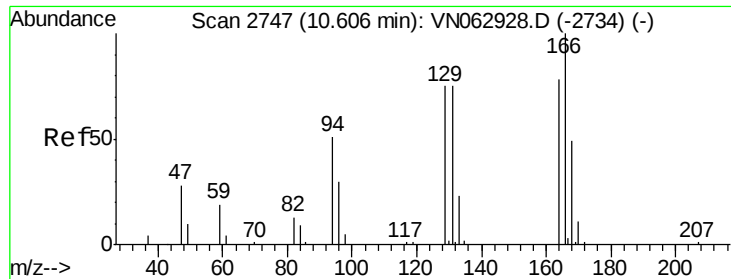
MMDadoda
8/17/2020 9:20:02 AM



#60
4-Bromofluorobenzene
Concen: 29.266 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	60.9	91.3
176	72.3	57.8	86.8





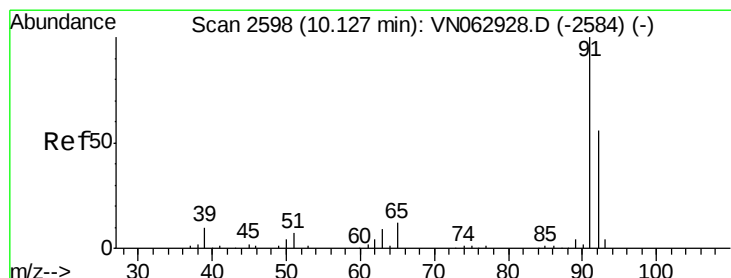
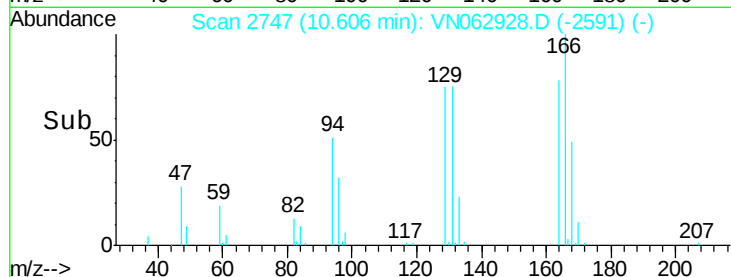
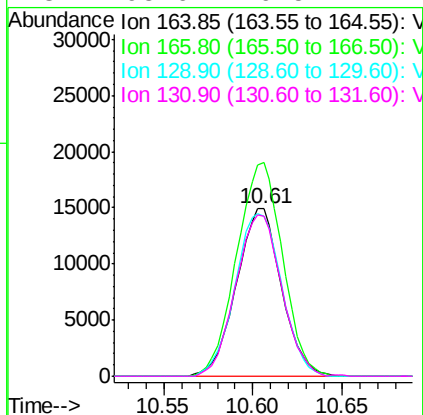
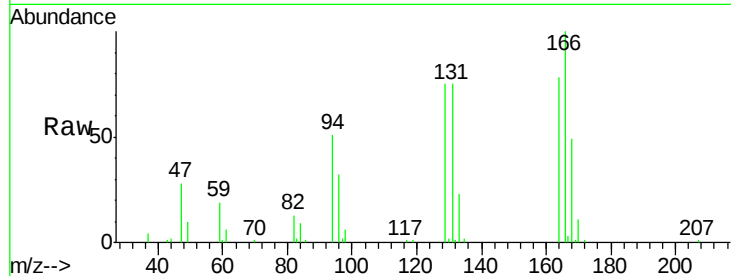
#61
Tetrachloroethene
Concen: 19.419 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.9	152.9
129	95.5	76.4	114.6
131	95.6	76.5	114.7

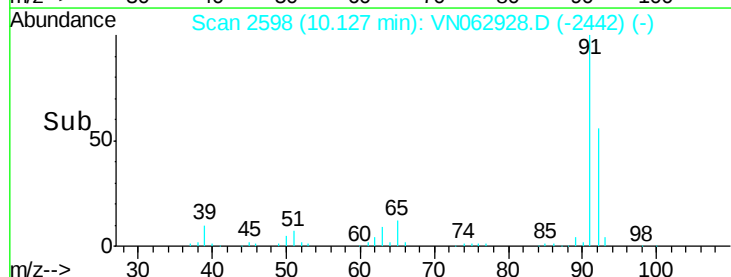
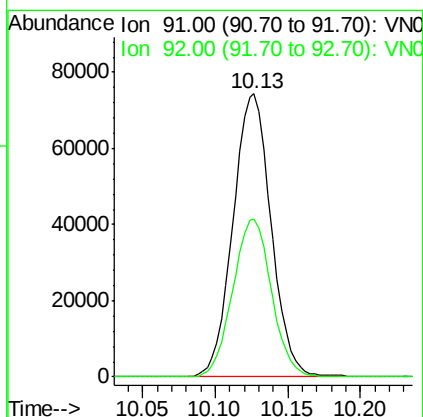
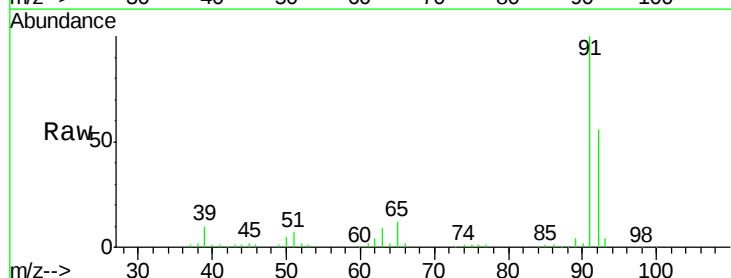
Manual Integrations
APPROVED

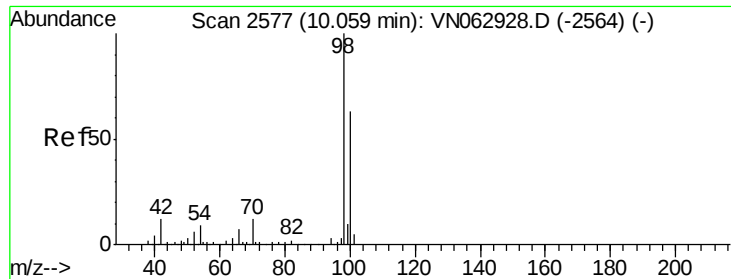
MMDadoda
8/17/2020 9:20:02 AM



#62
Toluene
Concen: 18.358 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.5	45.2	67.8





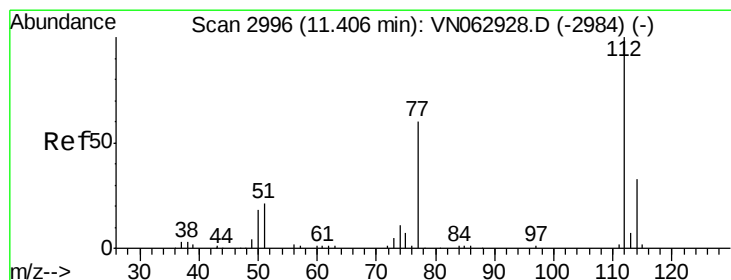
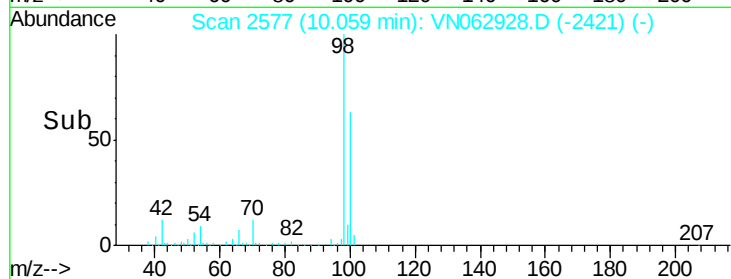
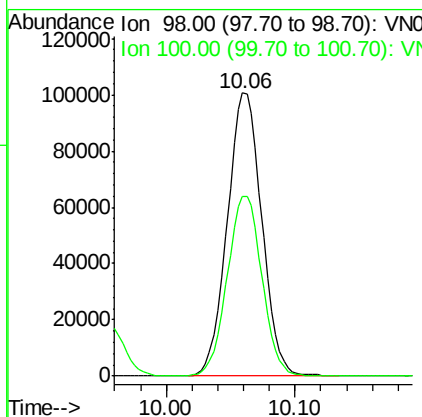
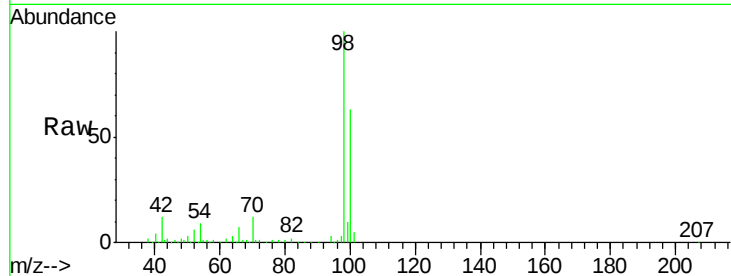
#63
Toluene-d8
Concen: 29.860 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 98 Resp: 187194
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6

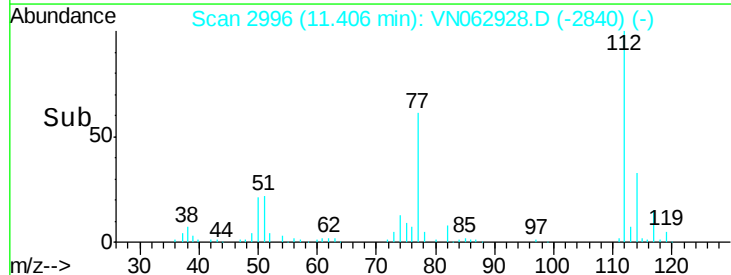
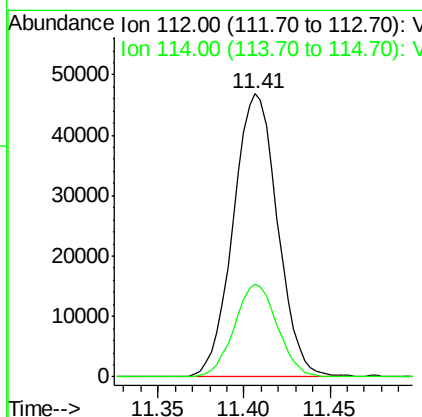
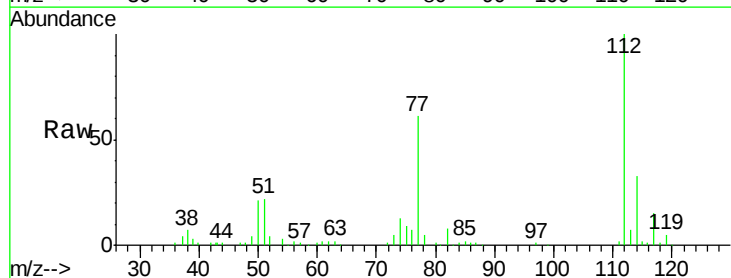
Manual Integrations
APPROVED

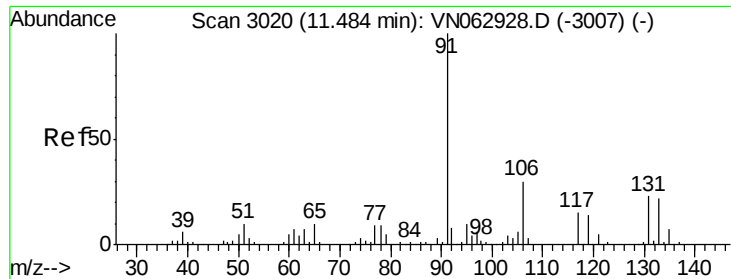
MMDadoda
8/17/2020 9:20:02 AM



#64
Chlorobenzene
Concen: 19.059 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion: 112 Resp: 84174
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 21.353 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Instrument :

MSVOA_N

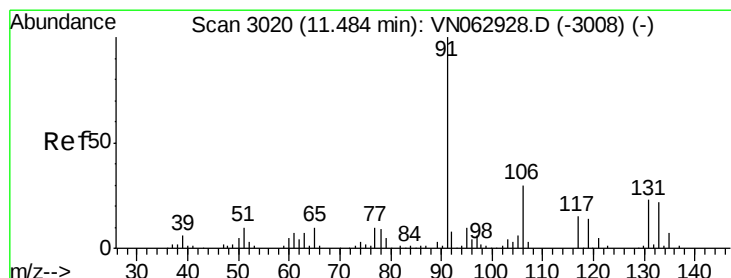
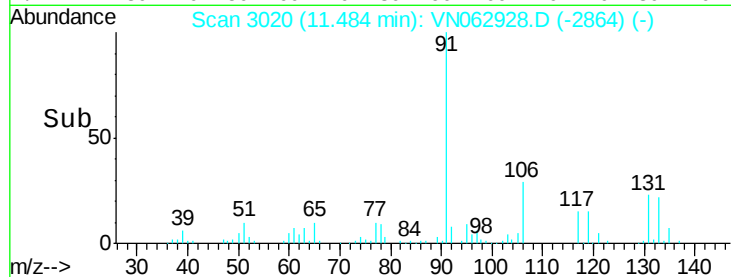
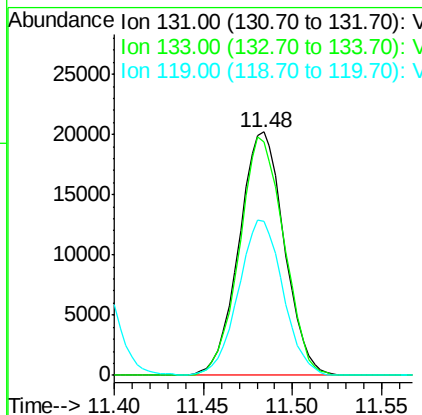
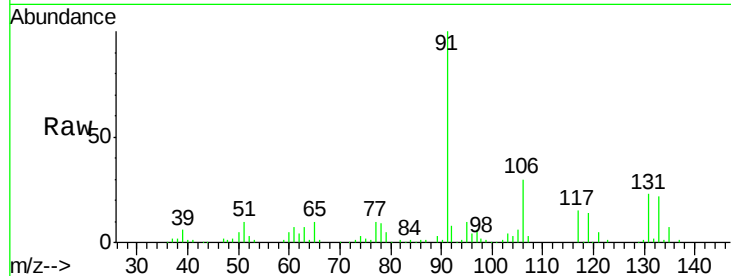
ClientSampled :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.3	0.0	192.6
119	62.7	0.0	125.4

Manual Integrations
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8/17/2020 9:20:02 AM



#66

Ethyl Benzene

Concen: 17.815 ug/l

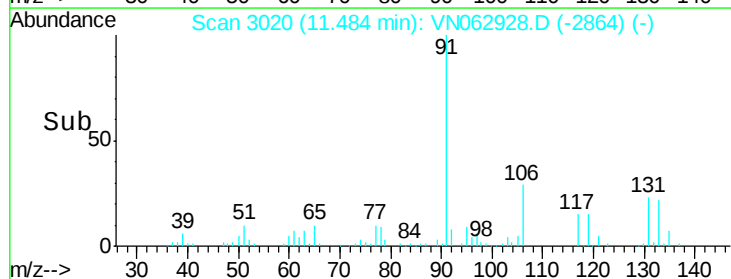
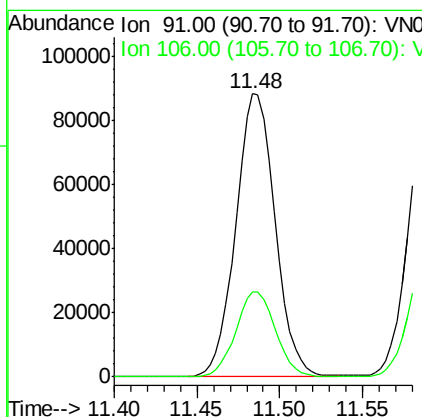
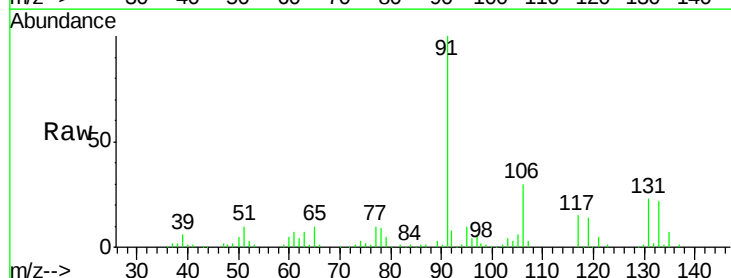
RT: 11.48 min Scan# 3020

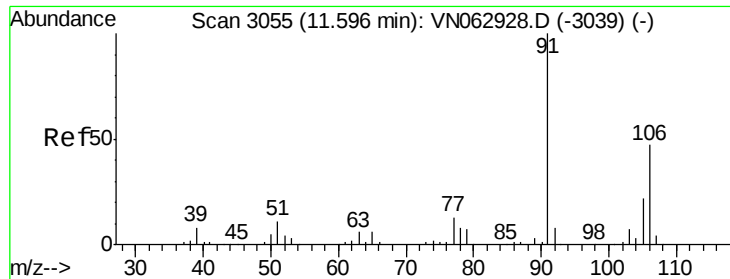
Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.0	36.0





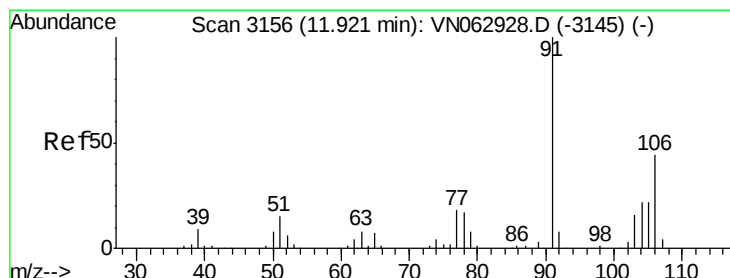
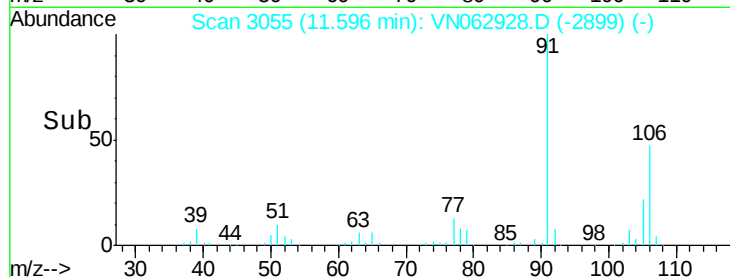
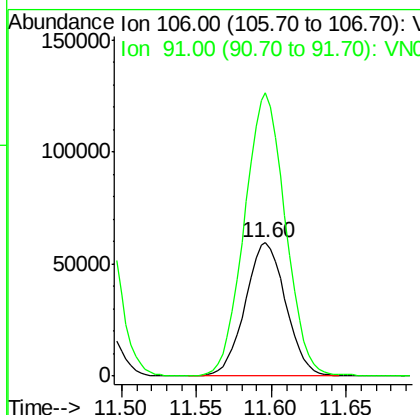
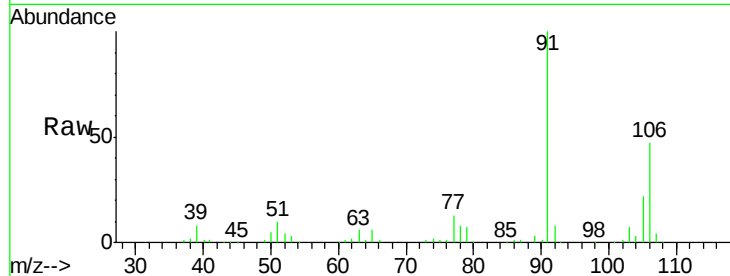
#67
m/p-Xvlenes
Concen: 37.369 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:106 Resp: 112370
Ion Ratio Lower Upper
106 100
91 213.8 171.0 256.6

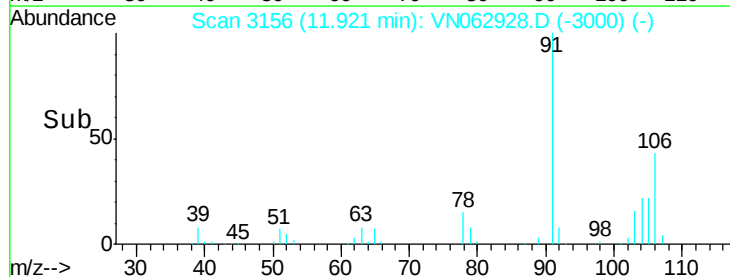
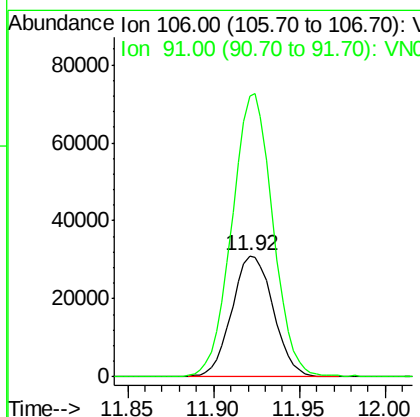
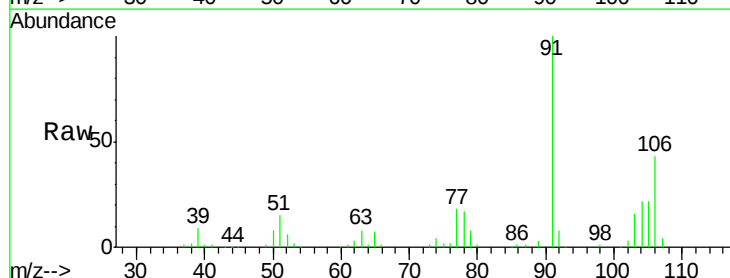
Manual Integrations
APPROVED

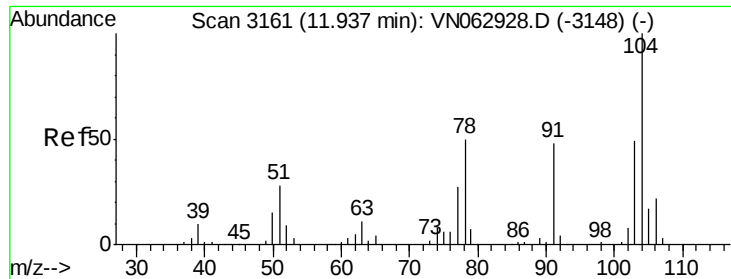
MMDadoda
8/17/2020 9:20:02 AM



#68
o-Xylene
Concen: 18.165 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion:106 Resp: 52004
Ion Ratio Lower Upper
106 100
91 230.8 115.4 346.2





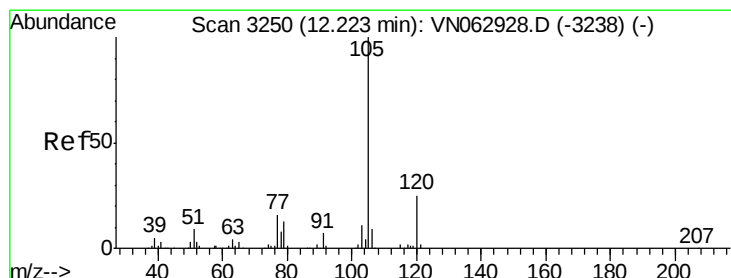
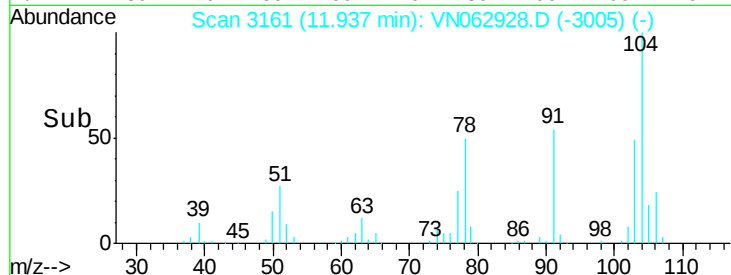
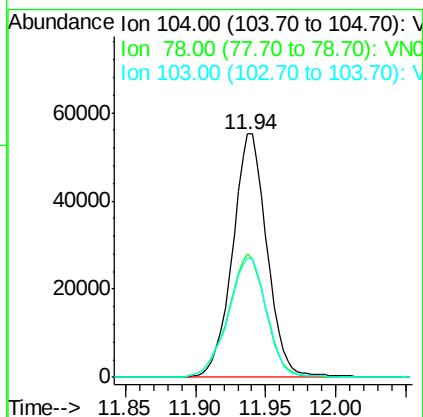
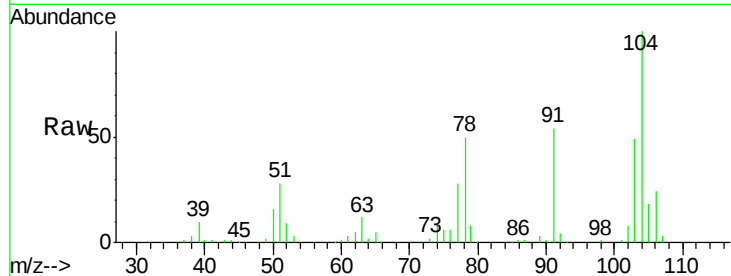
#69
Stvrene
Concen: 19.122 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.5	44.4	66.6
103	55.0	44.0	66.0

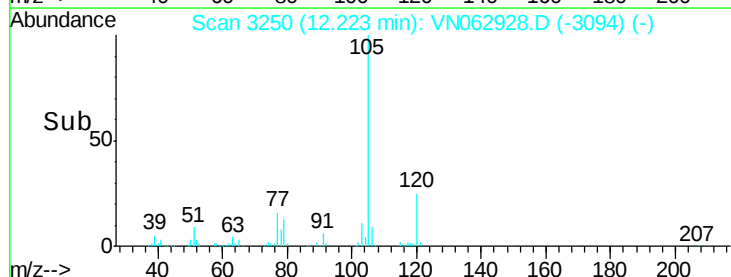
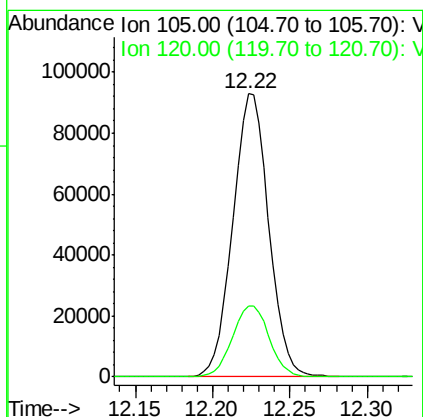
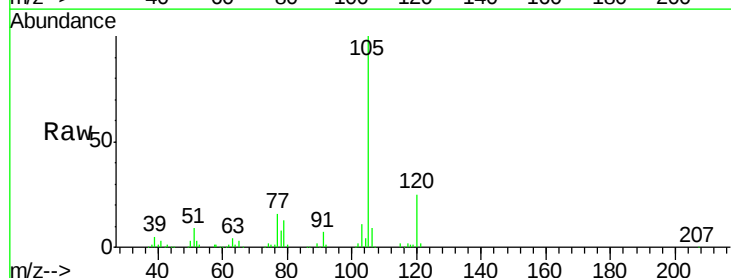
Manual Integrations
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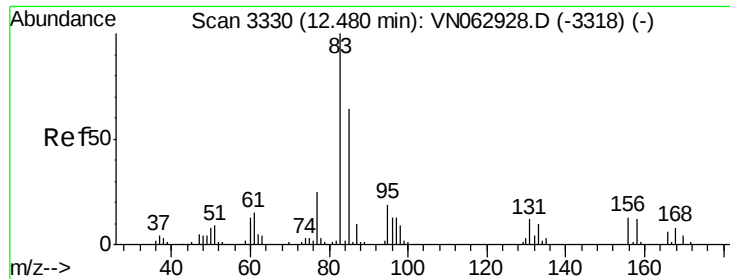
MMDadoda
8/17/2020 9:20:02 AM



#70
Isopropylbenzene
Concen: 19.204 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	18.0	33.4





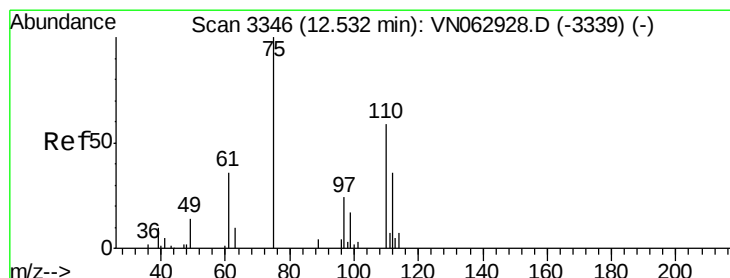
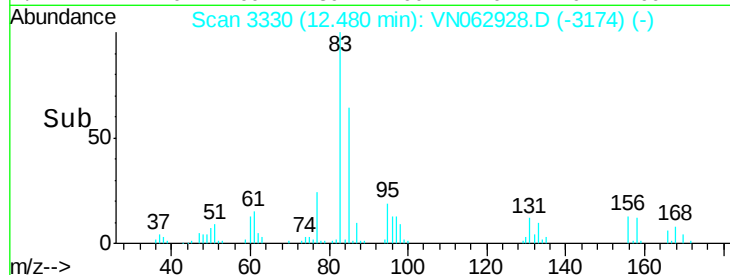
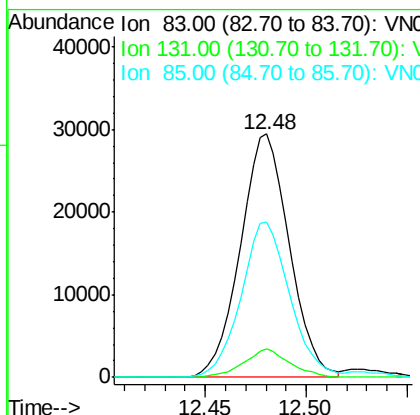
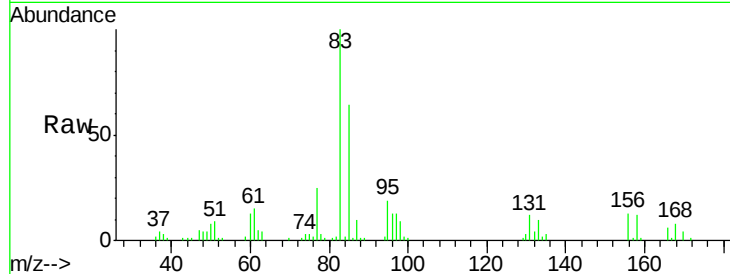
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.771 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	49965		
131	10.9	5.5	16.4	
85	63.4	31.7	95.1	

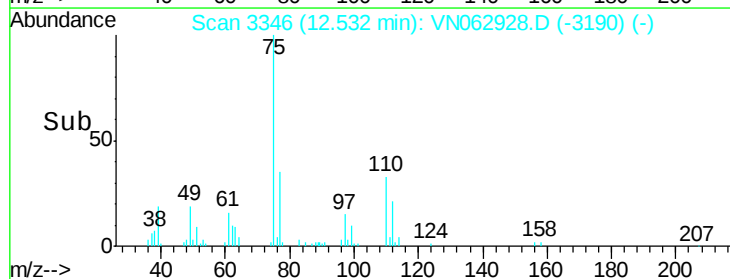
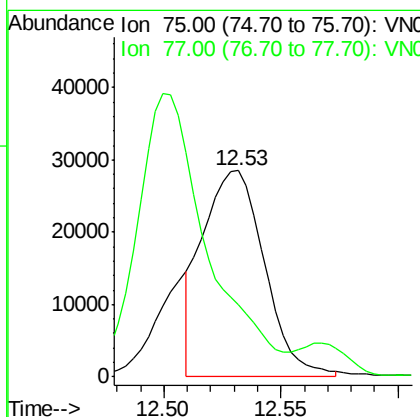
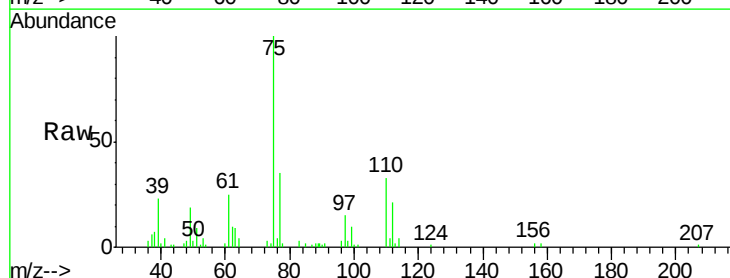
Manual Integrations
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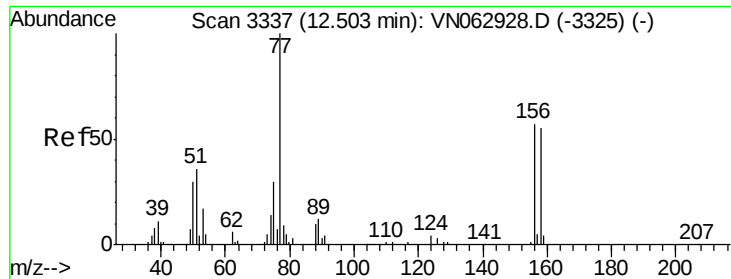
MMDadoda
 8/17/2020 9:20:02 AM



#72
 1,2,3-Trichloropropane
 Concen: 21.000 ug/l m
 RT: 12.53 min Scan# 3346
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	52433		
77	156.5	0.0	313.0	





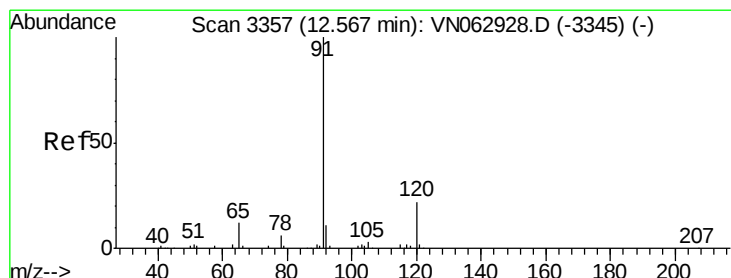
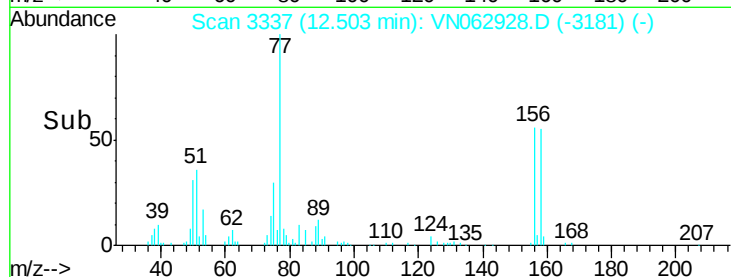
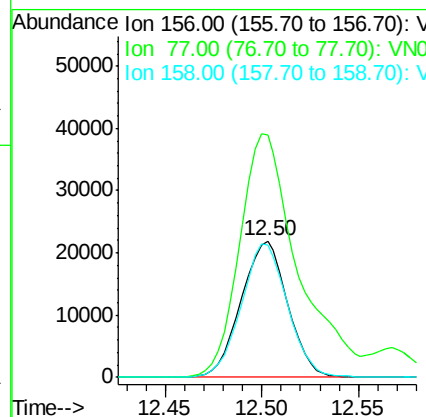
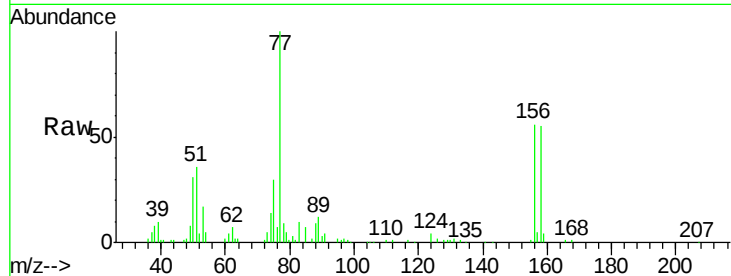
#73
Bromobenzene
Concen: 20.031 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.2	0.0	448.4
158	97.5	0.0	195.0

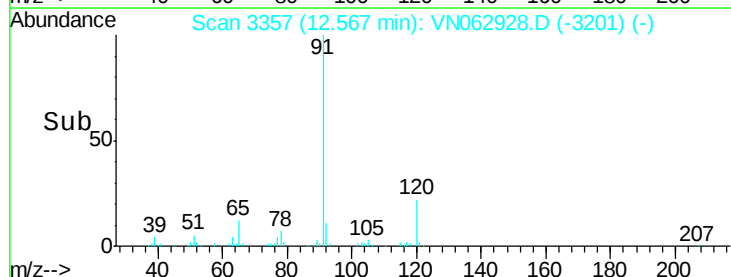
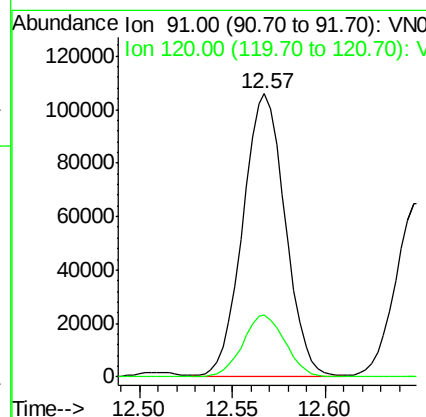
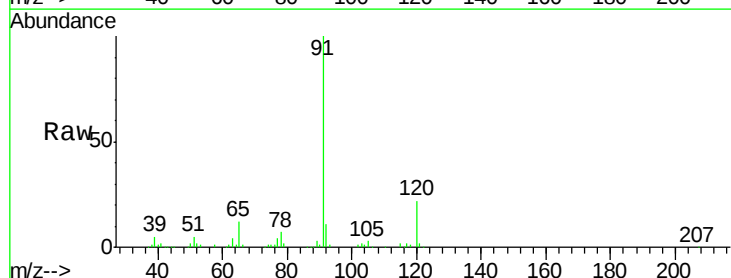
Manual Integrations
APPROVED

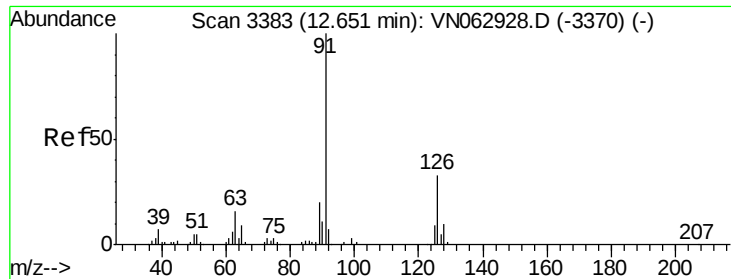
MMDadoda
8/17/2020 9:20:02 AM



#74
n-propylbenzene
Concen: 18.355 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	0.0	43.4





#75

2-Chlorotoluene

Concen: 19.458 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 108980

Ion Ratio Lower Upper

91 100

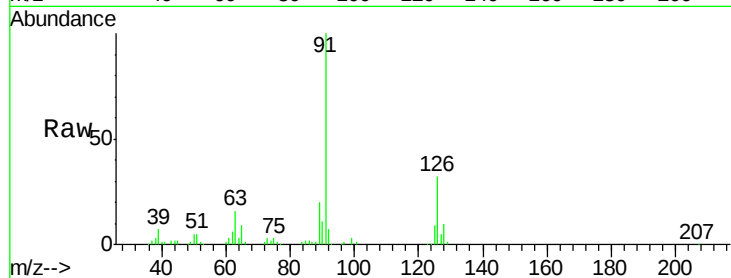
126 31.5 0.0 63.0

Manual Integrations

APPROVED

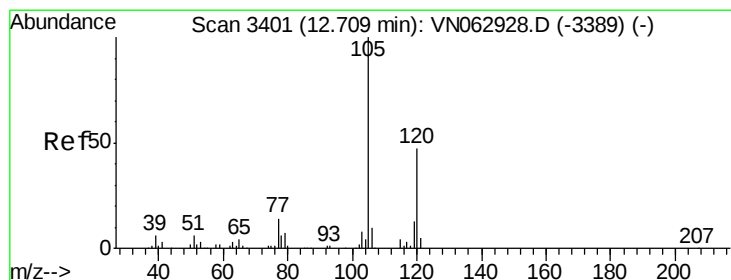
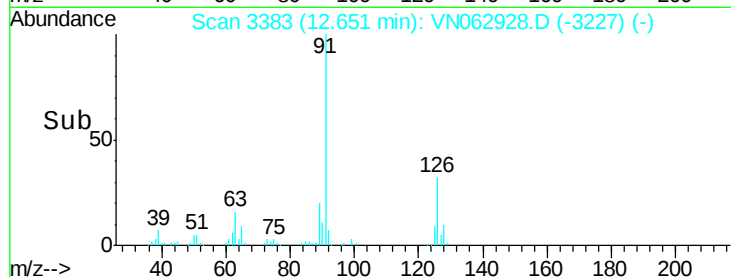
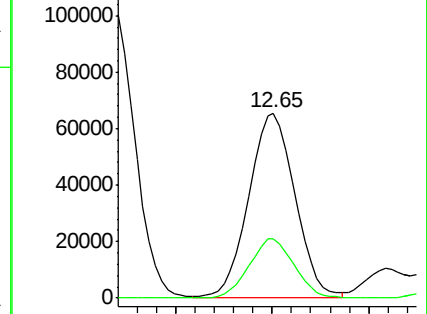
MMDadoda

8/17/2020 9:20:02 AM



Abundance Ion 91.00 (90.70 to 91.70): VN062928.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN062928.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.498 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062928.D

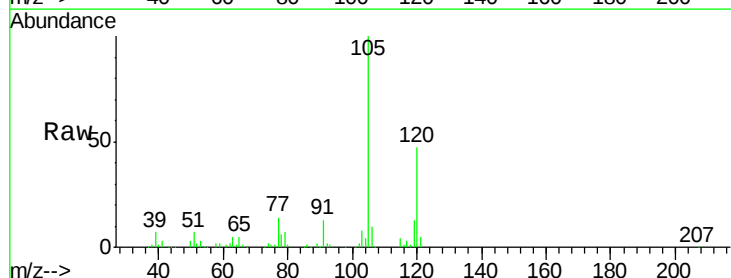
Acq: 13 Aug 2020 22:57

Tgt Ion: 105 Resp: 130621

Ion Ratio Lower Upper

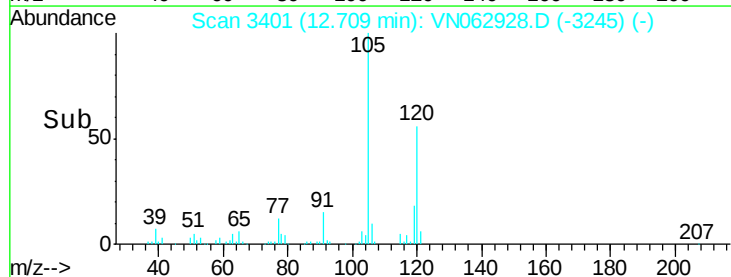
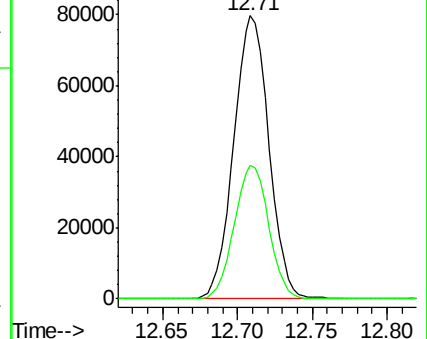
105 100

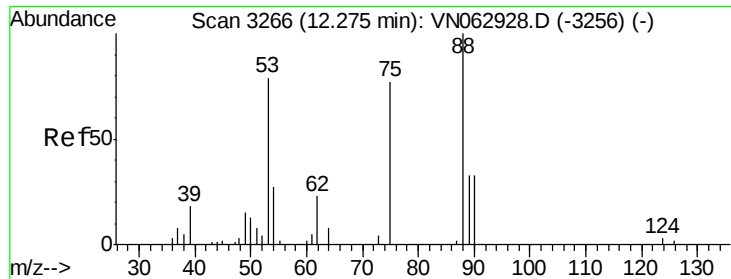
120 46.2 0.0 92.4



Abundance Ion 105.00 (104.70 to 105.70): VN062928.D (-3389) (-)

Ion 120.00 (119.70 to 120.70): VN062928.D (-3389) (-)





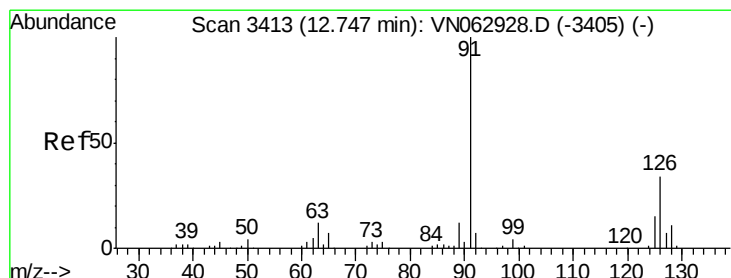
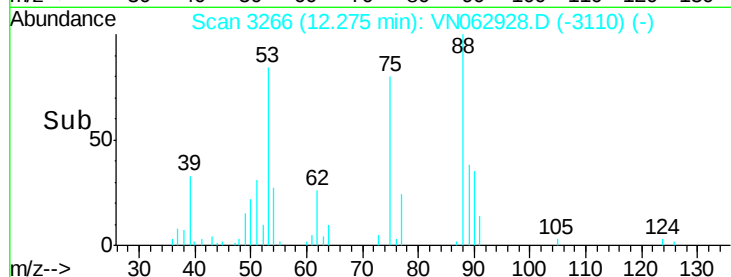
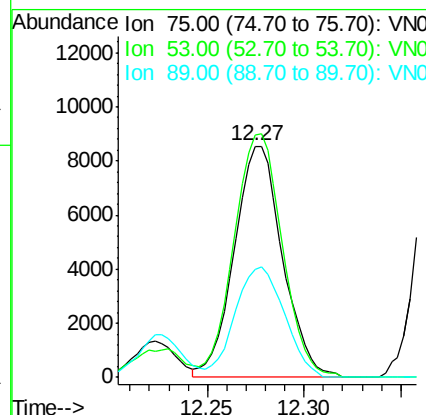
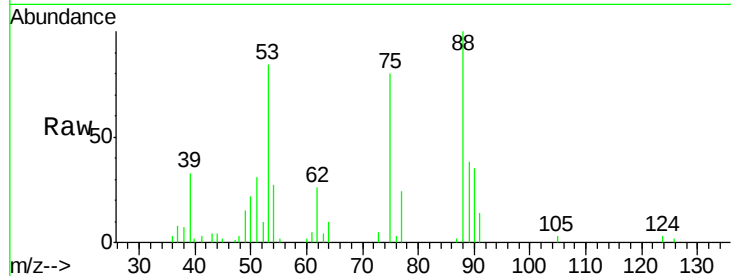
#77
t-1,4-Dichloro-2-butene
Concen: 16.621 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.7	52.3	157.1
89	46.9	23.4	70.3

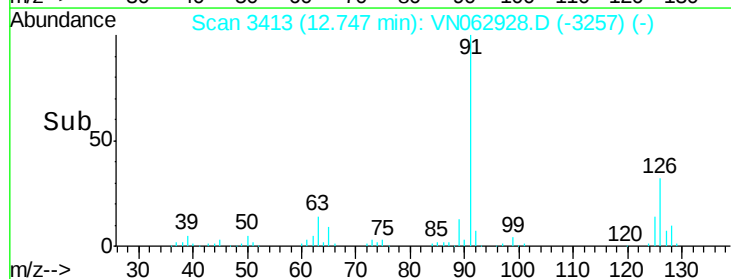
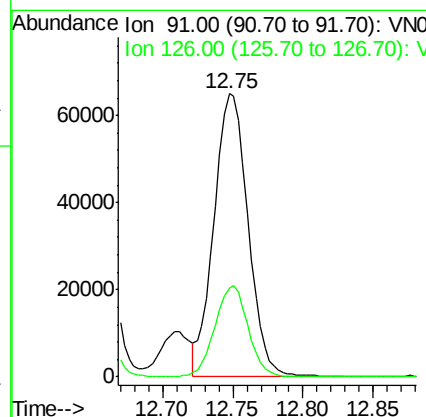
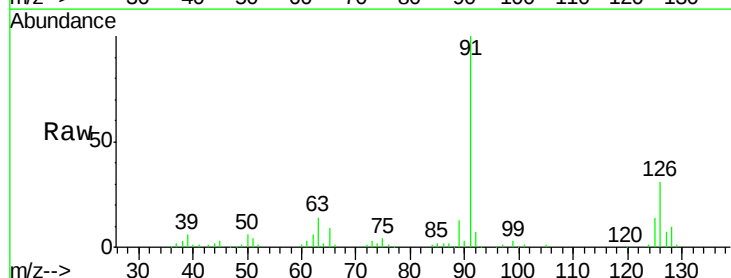
Manual Integrations
APPROVED

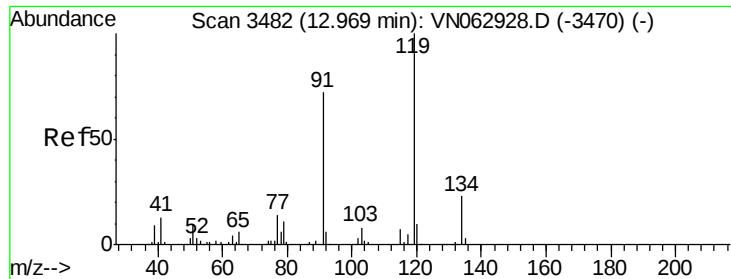
MMDadoda
8/17/2020 9:20:02 AM



#78
4-Chlorotoluene
Concen: 19.014 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	0.0	63.0





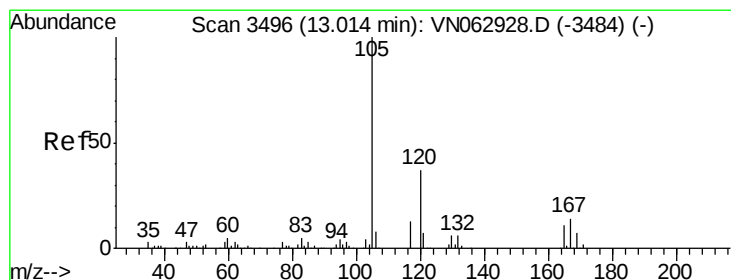
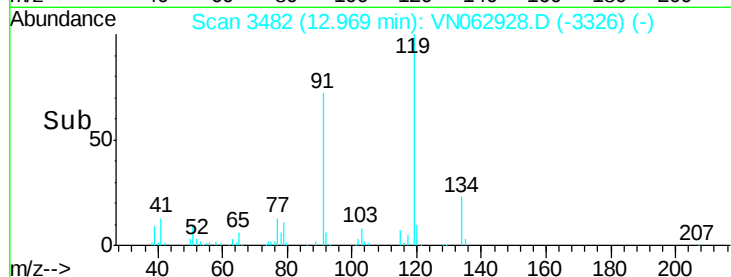
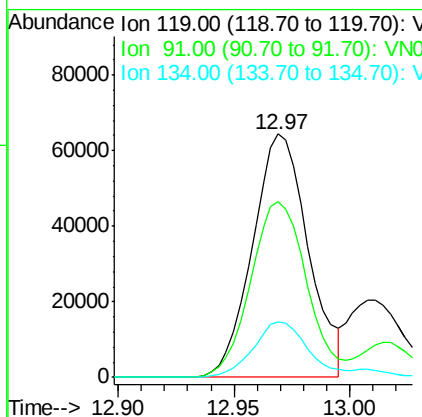
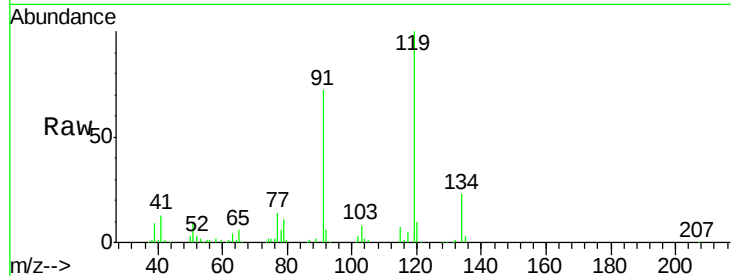
#79
tert-butylbenzene
Concen: 19.526 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	107932		
91	72.5	0.0	145.0	
134	22.3	0.0	44.6	

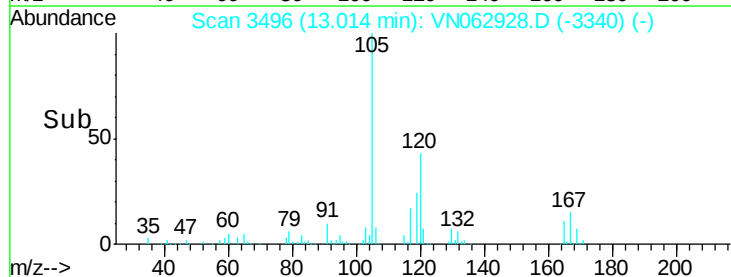
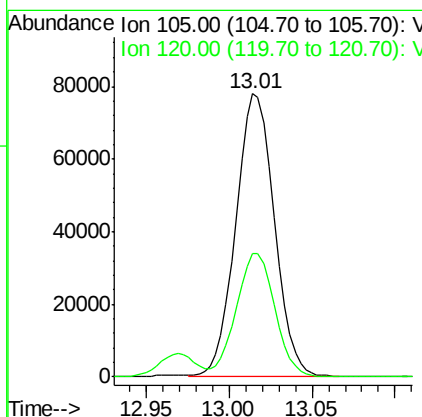
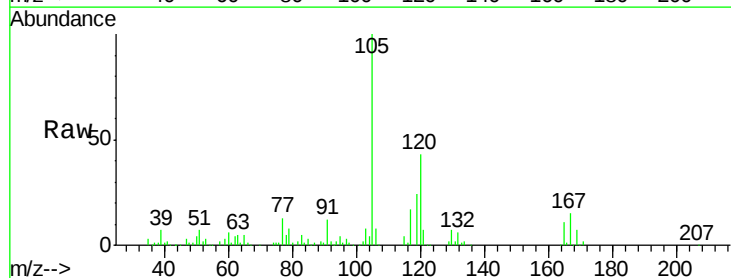
Manual Integrations
APPROVED

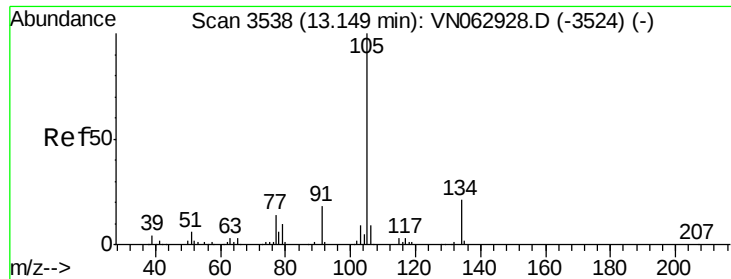
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.321 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	126670		
120	43.3	0.0	86.6	





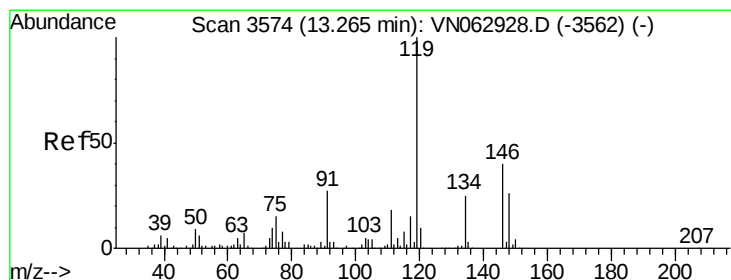
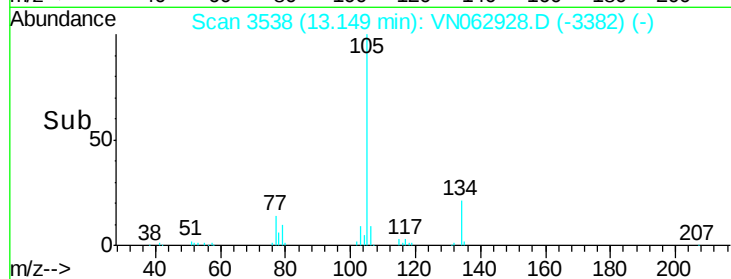
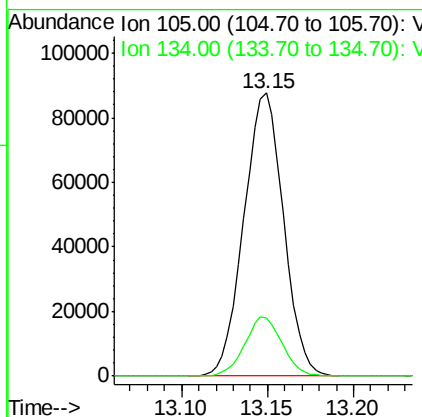
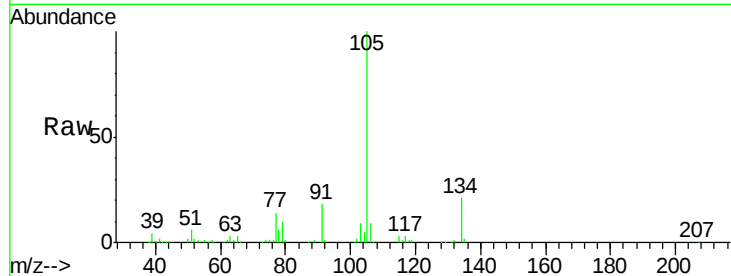
#81
 sec-Butylbenzene
 Concen: 18.940 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	140215		
134	19.7	0.0	39.4	

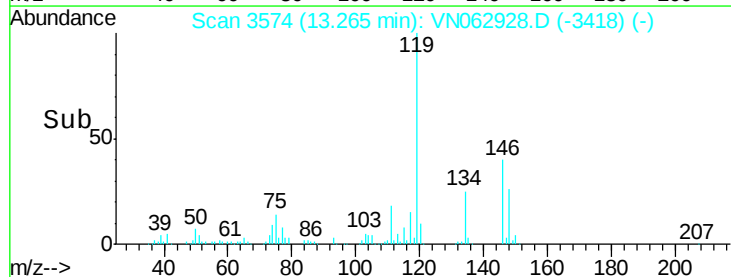
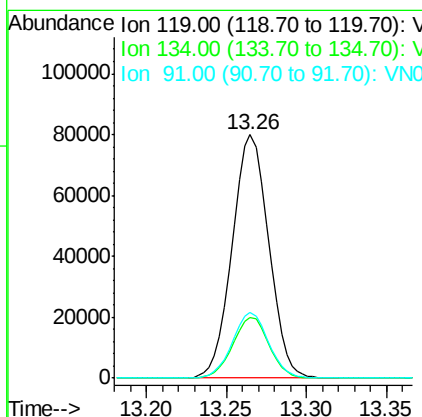
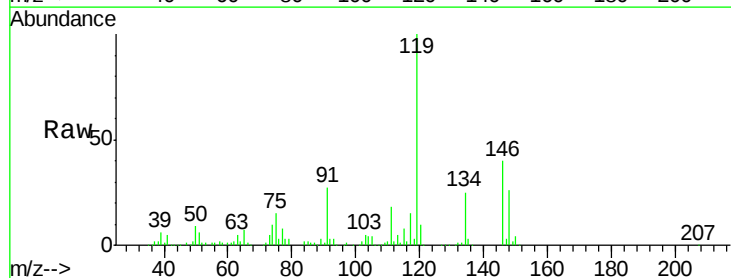
Manual Integrations
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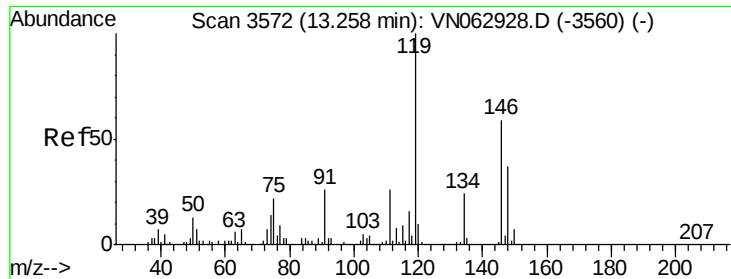
MMDadoda
 8/17/2020 9:20:02 AM



#82
 p-Isopropyltoluene
 Concen: 18.977 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	124228		
134	24.8	0.0	49.6	
91	26.8	0.0	53.6	





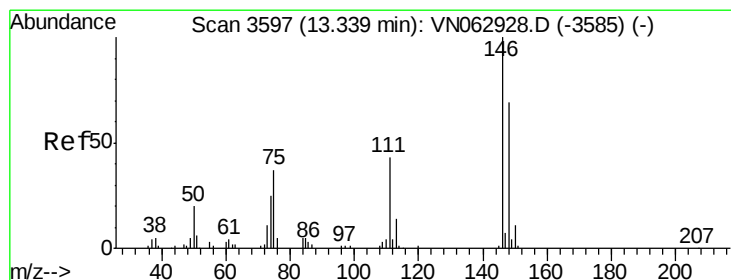
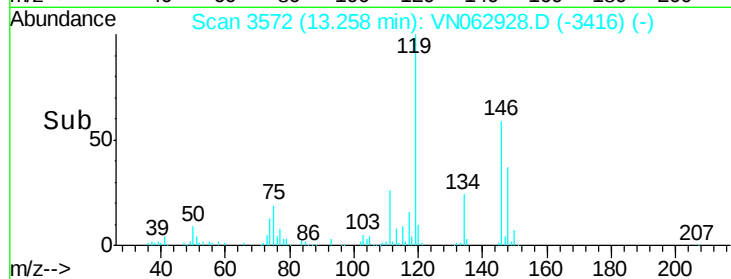
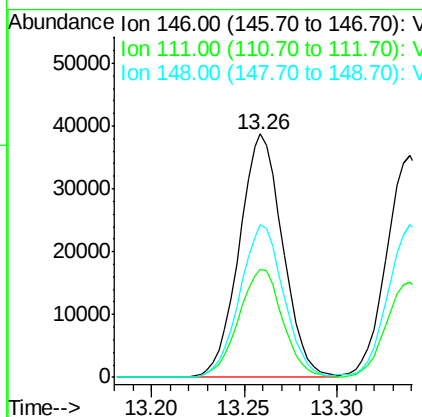
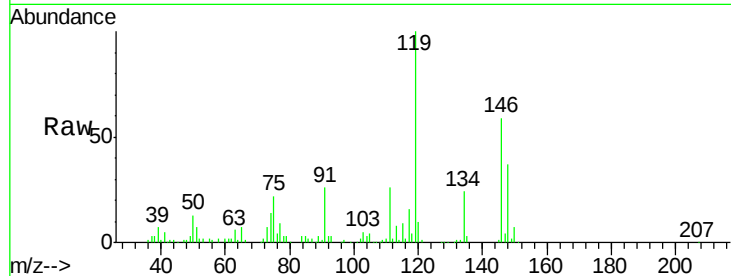
#83
 1,3-Dichlorobenzene
 Concen: 19.848 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.4	67.2
148	63.1	31.6	94.7

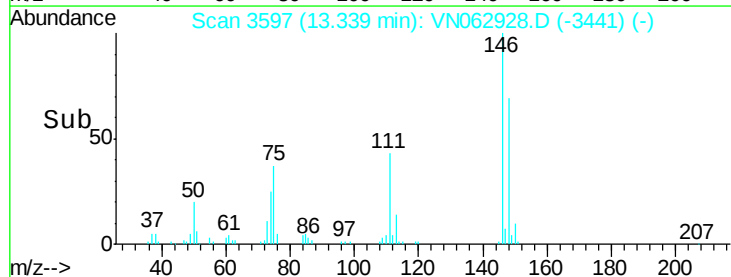
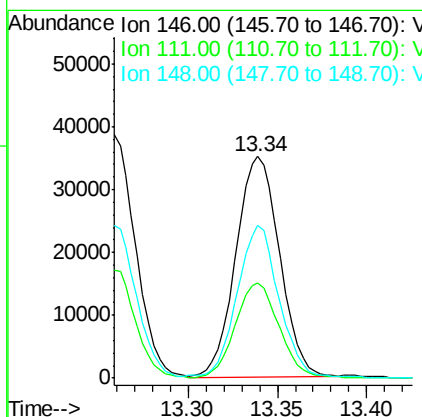
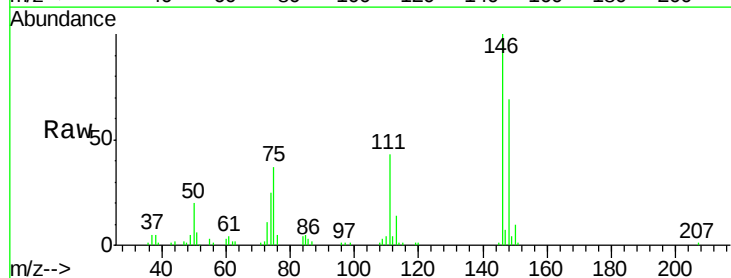
Manual Integrations
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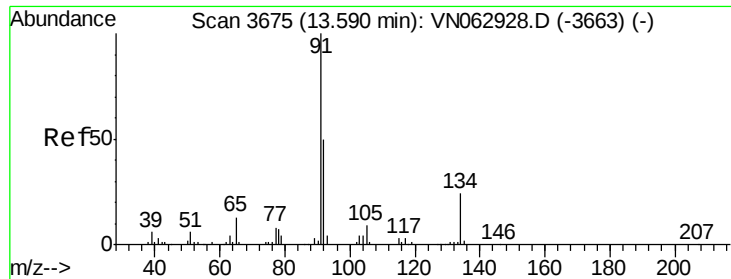
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#84
 1,4-Dichlorobenzene
 Concen: 19.204 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	66.6	33.3	99.9





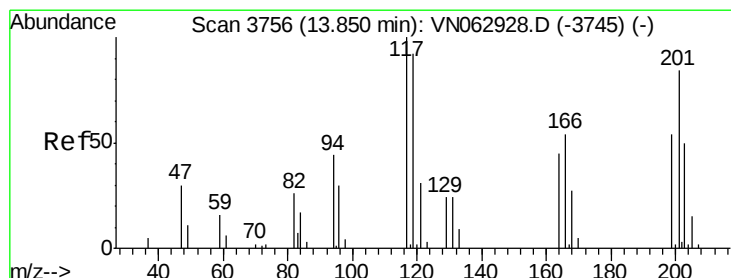
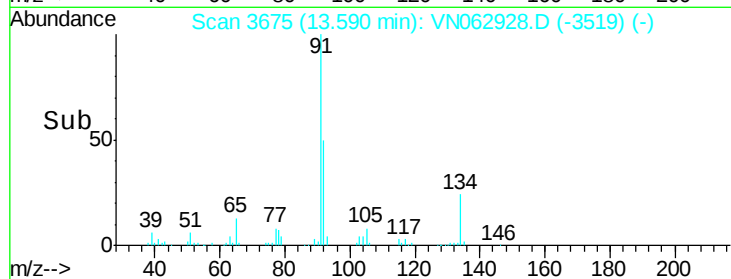
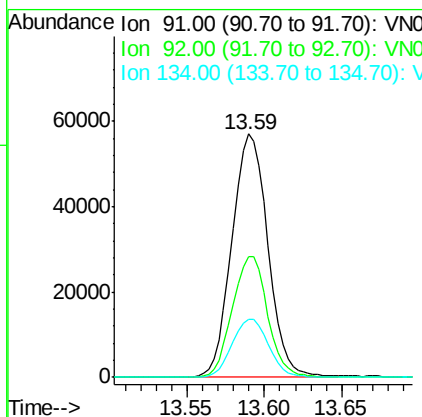
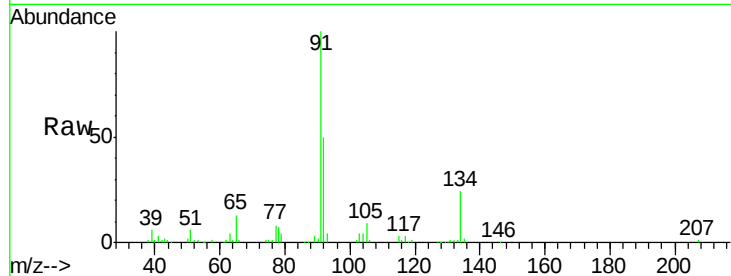
#85
n-Butylbenzene
Concen: 16.691 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	48.6	0.0	97.2	
134	24.2	0.0	48.4	

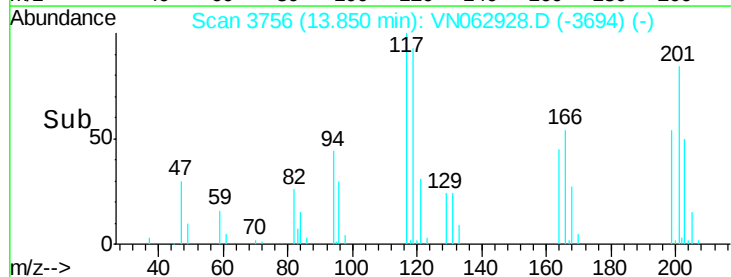
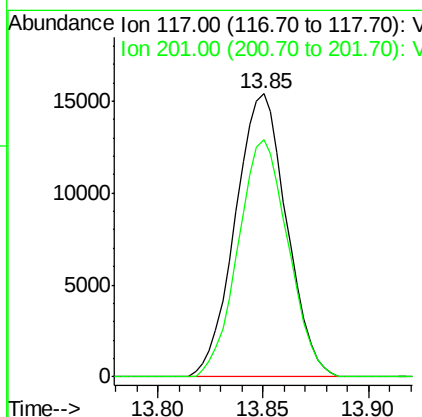
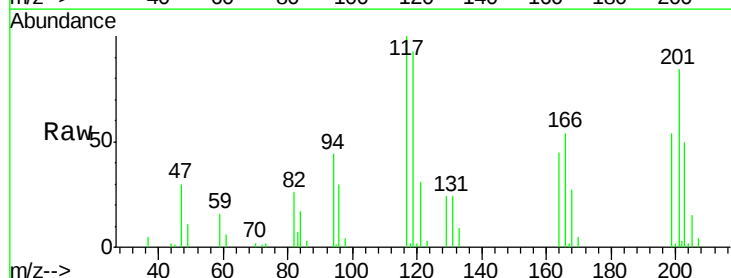
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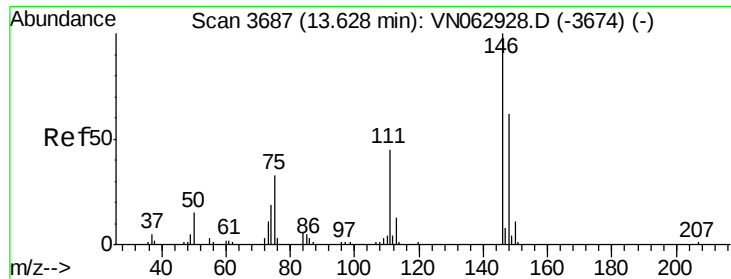
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#86
Hexachloroethane
Concen: 20.311 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	81.8	40.9	122.7	





#87

1,2-Dichlorobenzene

Concen: 20.186 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Instrument :

MSVOA_N

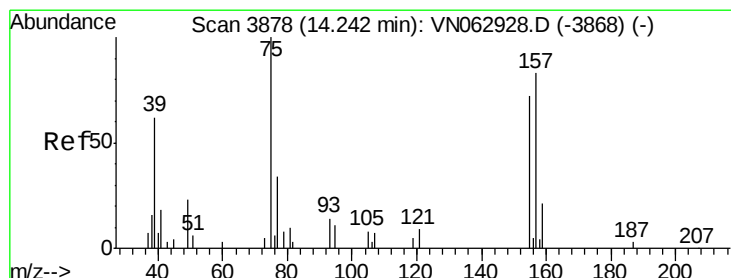
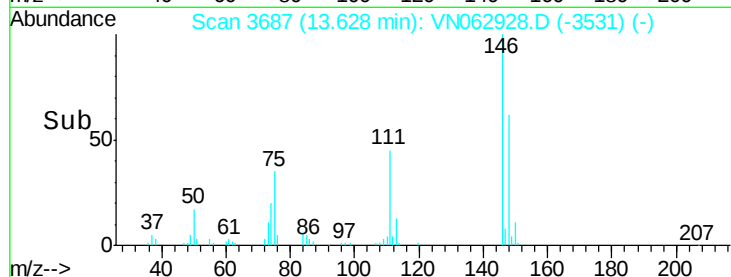
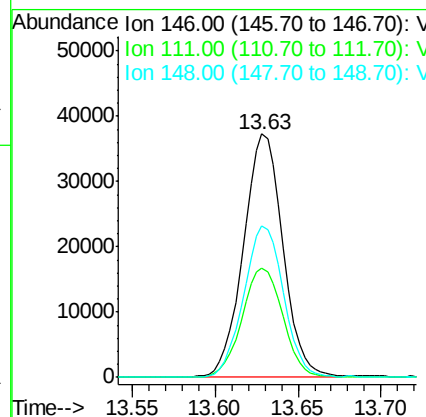
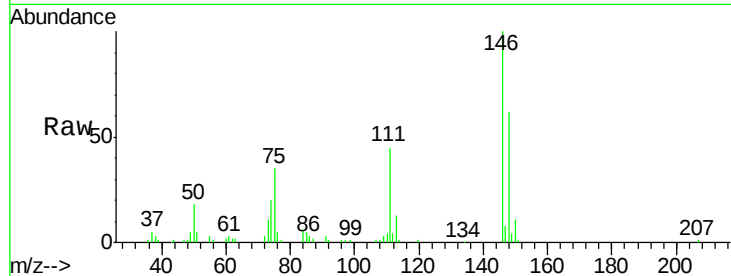
ClientSampleId :

VSTDICCC020

Tot Ion:	146	Resp:	61813
Ion Ratio	Lower	Upper	
146	100		
111	46.5	23.3	69.8
148	62.5	31.3	93.8

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#88

1,2-Dibromo-3-Chloropropane

Concen: 20.106 ug/l

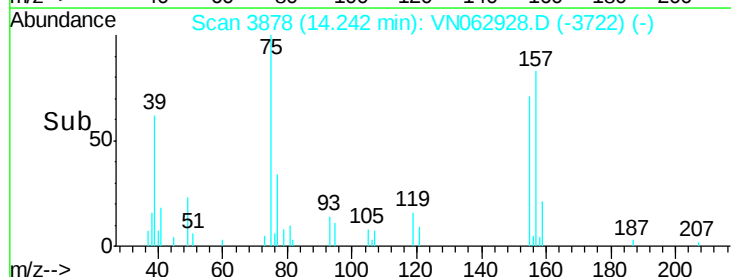
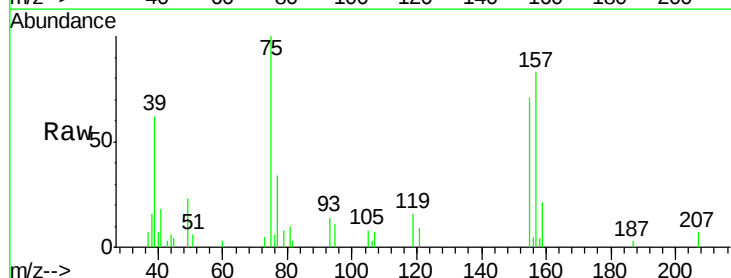
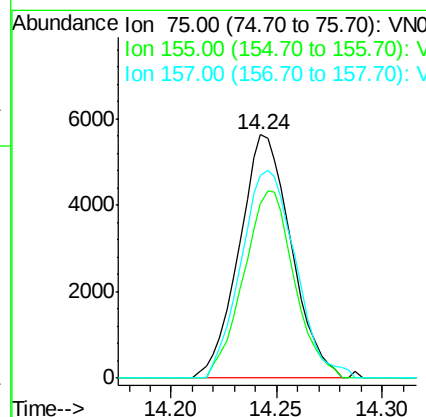
RT: 14.24 min Scan# 3878

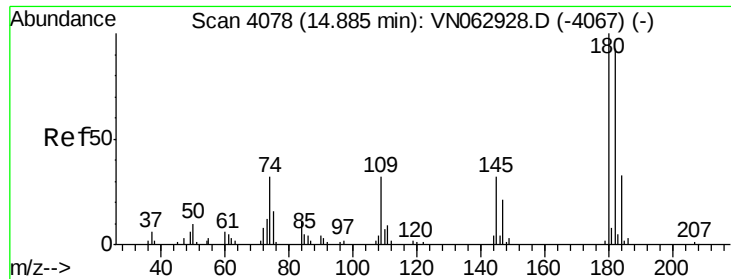
Delta R.T. 0.00 min

Lab File: VN062928.D

Acq: 13 Aug 2020 22:57

Tgt Ion:	75	Resp:	9650
Ion Ratio	Lower	Upper	
75	100		
155	74.8	59.8	89.8
157	89.5	71.6	107.4





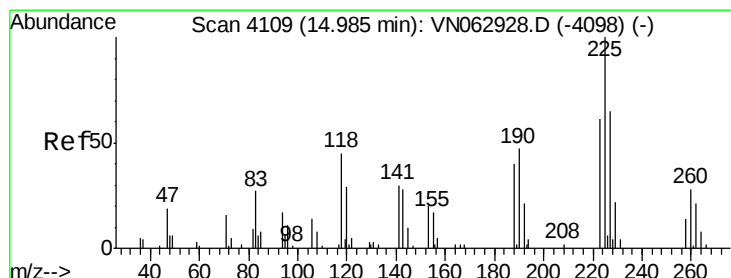
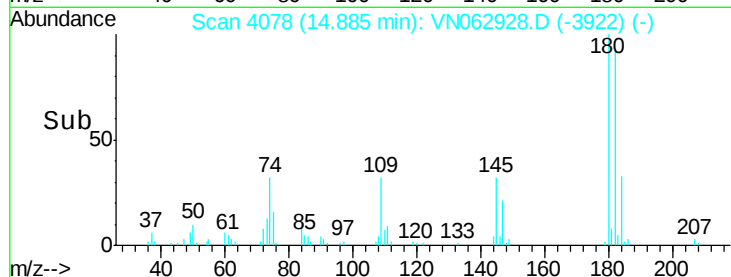
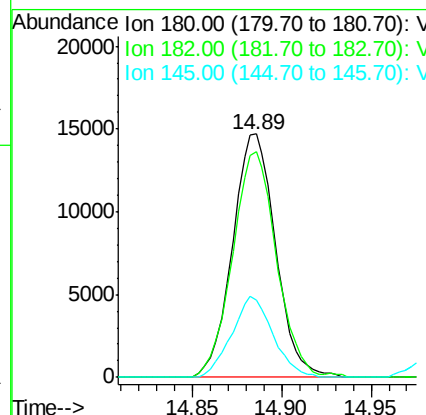
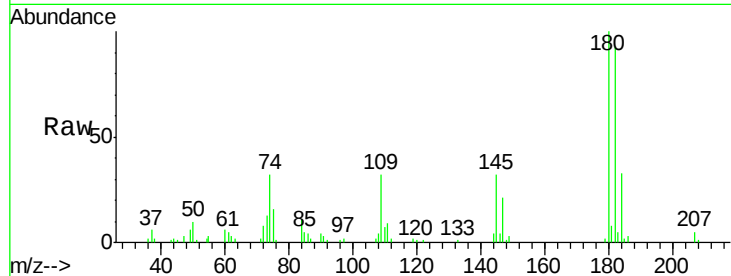
#89
 1,2,4-Trichlorobenzene
 Concen: 16.661 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.3	112.9
145	31.8	25.4	38.2

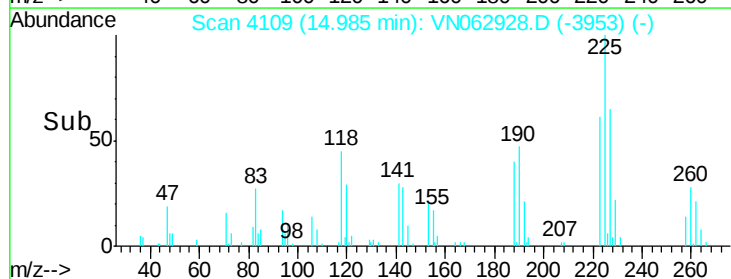
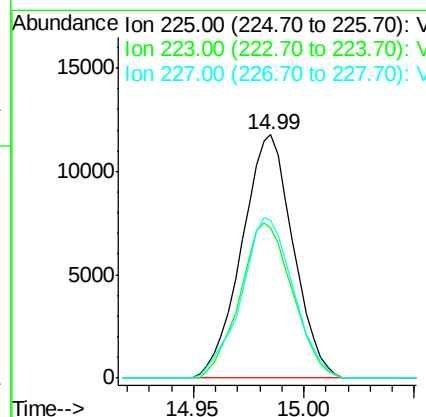
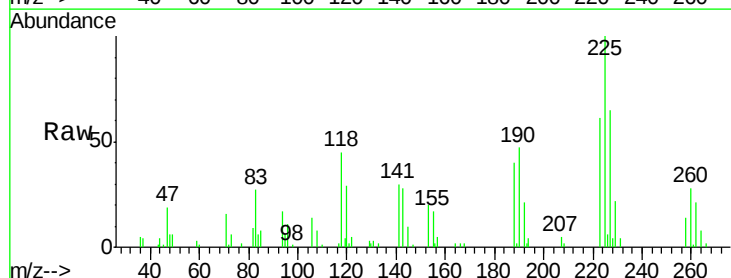
Manual Integrations
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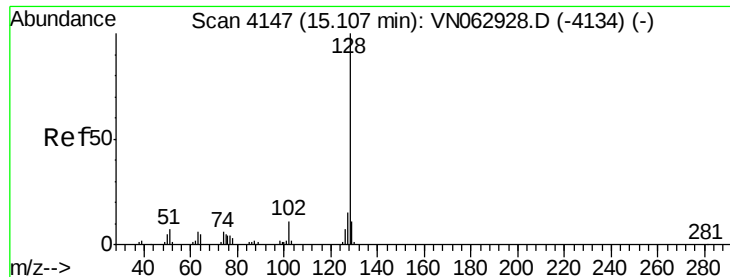
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#90
 Hexachlorobutadiene
 Concen: 21.926 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062928.D
 Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	0.0	129.8
227	66.8	0.0	133.6





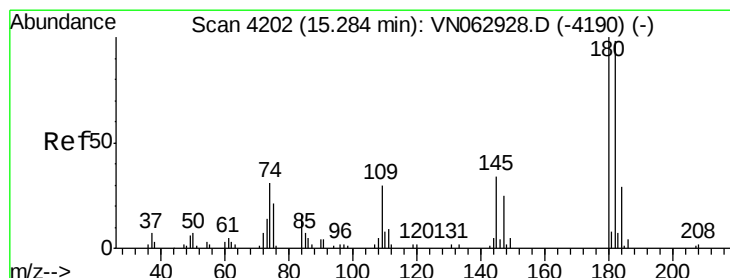
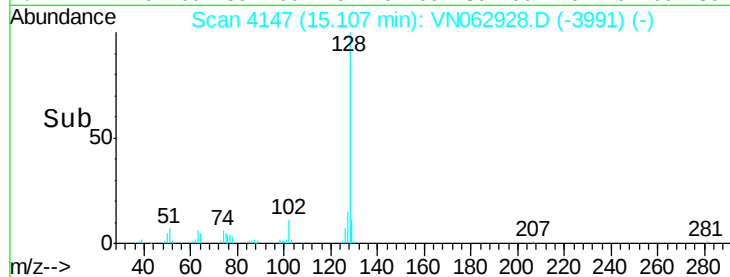
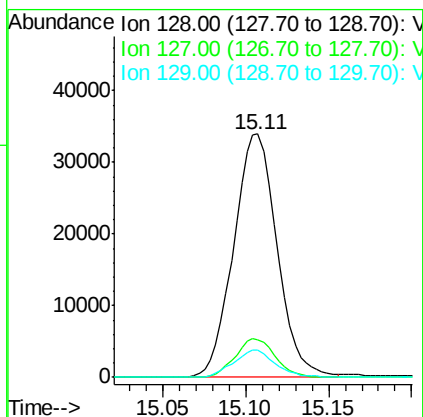
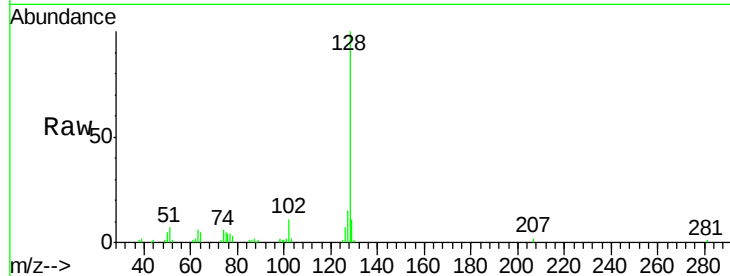
#91
Naphthalene
Concen: 15.551 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	11.6	17.4
129	10.5	8.4	12.6

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 16.832 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062928.D
Acq: 13 Aug 2020 22:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	0.0	196.4
145	35.7	0.0	71.4

