

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064193.D
 Acq On : 20 Oct 2020 11:11
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:28:40 PM

Quant Time: Oct 20 11:33:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	53440	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	297991	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	269715	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	128740	27.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	90.57%
60) 4-Bromofluorobenzene	12.38	95	145794	31.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.37%
63) Toluene-d8	10.06	98	359170	29.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	400283	114.659	ug/l 93
3) Chloromethane	2.04	50	394608	108.881	ug/l 100
4) Vinyl Chloride	2.16	62	388111	107.646	ug/l 98
5) Bromomethane	2.52	94	230923	101.083	ug/l 99
6) Chloroethane	2.67	64	220342	98.771	ug/l 99
7) Trichlorofluoromethane	2.98	101	604546	104.735	ug/l 97
8) Diethyl Ether	3.37	74	205755	110.104	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	313838	105.543	ug/l 97
10) 1,1-Dichloroethene	3.70	96	306681	109.091	ug/l 97
11) Methyl Iodide	3.91	142	472275	129.398	ug/l 99
12) Methyl Acetate	4.28	43	341916	102.457	ug/l 94
13) Acrolein	3.57	56	184539	544.843	ug/l # 1
14) Acrylonitrile	4.93	53	694426	504.358	ug/l 99
15) Acetone	3.77	58	183957	473.192	ug/l 94
16) Carbon Disulfide	4.01	76	905670	109.295	ug/l 99
17) Allyl chloride	4.28	41	573514	111.275	ug/l 98
18) Methylene Chloride	4.51	84	348418	105.675	ug/l 94
19) trans-1,2-Dichloroethene	4.99	96	336447	106.143	ug/l 92
20) Diisopropyl ether	5.90	45	1076228	103.935	ug/l 95
21) 1,1-Dichloroethane	5.80	63	646035	103.469	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	386659	106.871	ug/l 97
23) tert-Butyl Alcohol	4.73	59	311612	527.585	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1030077	109.692	ug/l 100
25) Chloroform	7.33	83	674809	103.220	ug/l 97
26) Cyclohexane	7.61	56	512755	111.219	ug/l # 92
29) 1,1-Dichloropropene	7.75	75	513688	102.960	ug/l 98
30) 2-Butanone	6.78	43	1071616	453.210	ug/l 99
31) 2,2-Dichloropropane	6.78	77	629516	104.788	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	652148	103.105	ug/l 99
33) Carbon Tetrachloride	7.73	117	587176	104.883	ug/l 97
34) Benzene	8.00	78	1441264	102.607	ug/l # 91
35) Methacrylonitrile	7.12	41	223112	96.034	ug/l 95
36) 1,2-Dichloroethane	8.08	62	571445	93.629	ug/l 100
37) Trichloroethene	8.80	130	392627	105.053	ug/l 98
38) Methylcyclohexane	9.05	83	484466	112.524	ug/l 99
39) 1,2-Dichloropropane	9.08	63	380410	100.158	ug/l 98
40) Dibromomethane	9.17	93	259111	98.050	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	565966	101.507	ug/l	99
42) Vinyl Acetate	5.84	43	5038350	500.987	ug/l	100
43) Ethyl Acetate	6.88	43	465782	90.923	ug/l	96
44) Isopropyl Acetate	8.13	43	878568	101.633	ug/l #	90
45) 1,4-Dioxane	9.17	88	103031	1905.024	ug/l	94
46) Methyl methacrylate	9.16	41	425575	99.776	ug/l	99
47) n-amyl Acetate	12.04	43	794986	103.212	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	655500	108.071	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	670455	106.365	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	352379	98.751	ug/l	99
51) Ethyl methacrylate	10.40	69	561002	106.694	ug/l	99
52) 1,3-Dichloropropane	10.68	76	612233	100.147	ug/l	99
53) Dibromochloromethane	10.87	129	451789	108.949	ug/l	98
54) 1,2-Dibromoethane	10.98	107	379325	101.547	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	1467589	519.989	ug/l	100
56) Bromoform	12.10	173	318742	109.724	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	2356804	480.699	ug/l	100
59) 2-Hexanone	10.72	43	1743672	475.757	ug/l	98
61) Tetrachloroethene	10.60	164	363441	109.795	ug/l	97
62) Toluene	10.13	91	1582515	105.919	ug/l	100
64) Chlorobenzene	11.41	112	995979	109.211	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	388521	109.298	ug/l	98
66) Ethyl Benzene	11.48	91	1821076	109.513	ug/l	98
67) m/p-Xylenes	11.59	106	1356304	220.587	ug/l	100
68) o-Xylene	11.92	106	664877	113.028	ug/l	94
69) Styrene	11.94	104	1135034	113.013	ug/l	99
70) Isopropylbenzene	12.22	105	1747158	111.491	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	475537	98.881	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	502223m	104.566	ug/l	
73) Bromobenzene	12.50	156	420899	106.055	ug/l	97
74) n-propylbenzene	12.57	91	2015728	110.553	ug/l	99
75) 2-Chlorotoluene	12.65	91	1236272	111.054	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	1504750	113.740	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	203552	113.549	ug/l	95
78) 4-Chlorotoluene	12.75	91	1312101	111.817	ug/l	99
79) tert-butylbenzene	12.97	119	1235400	115.719	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	1517606	114.089	ug/l	99
81) sec-Butylbenzene	13.14	105	1584349	113.211	ug/l	100
82) p-Isopropyltoluene	13.26	119	1479619	115.935	ug/l	99
83) 1,3-Dichlorobenzene	13.25	146	772573	110.421	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	776245	110.859	ug/l	98
85) n-Butylbenzene	13.59	91	1312669	117.697	ug/l	99
86) Hexachloroethane	13.85	117	258843	117.757	ug/l	94
87) 1,2-Dichlorobenzene	13.63	146	751667	110.267	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	119991	103.987	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	451915	124.206	ug/l	97
90) Hexachlorobutadiene	14.98	225	220018	116.878	ug/l	99
91) Naphthalene	15.10	128	1369308	125.006	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	435031	124.447	ug/l	99

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QLast Update : Tue Oct 20 11:03:39 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

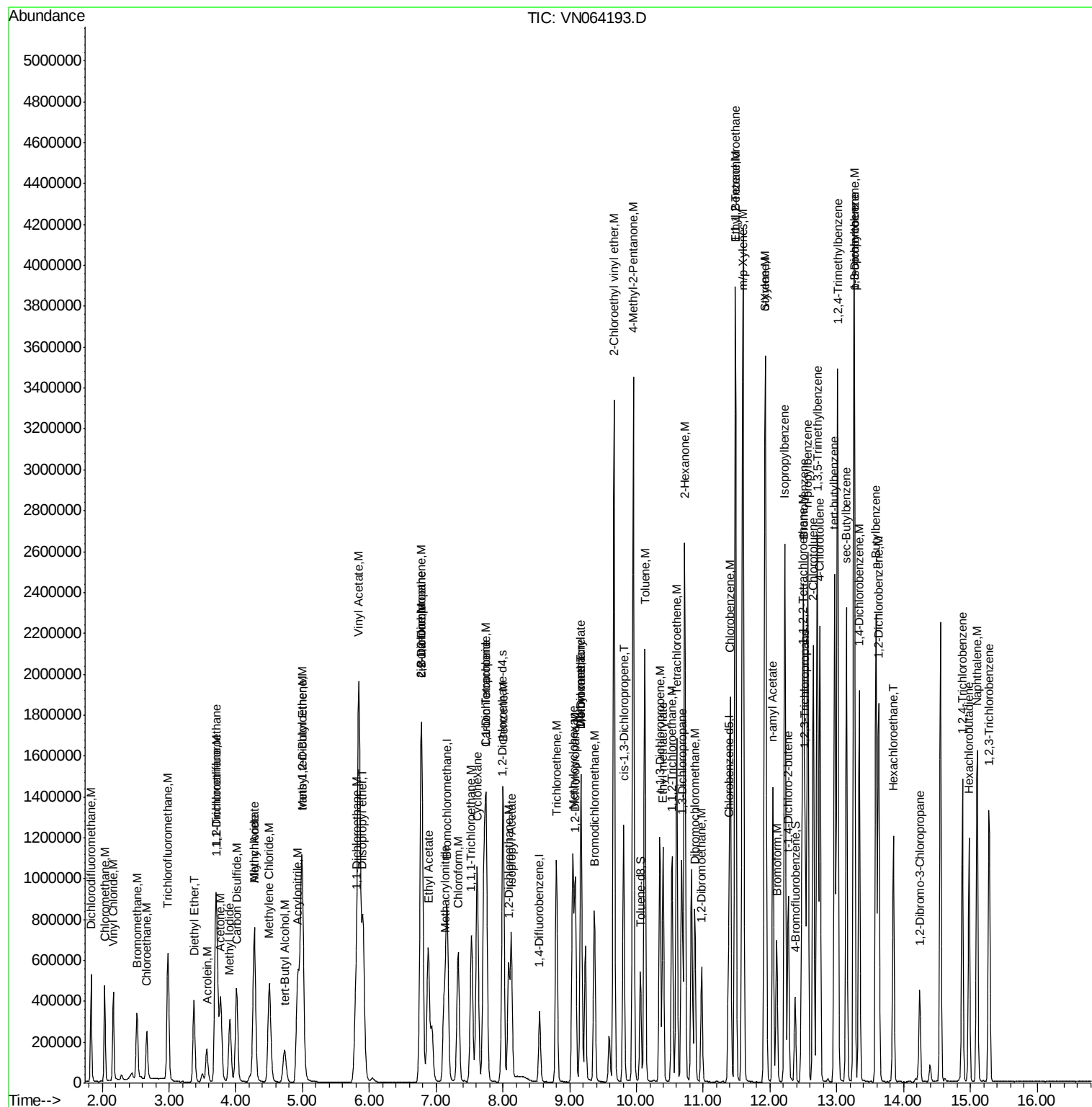
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
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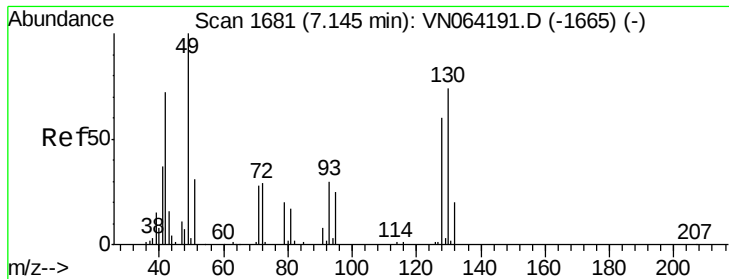
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

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10/23/2020 2:28:40 PM

Quant Time: Oct 20 11:33:17 2020
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

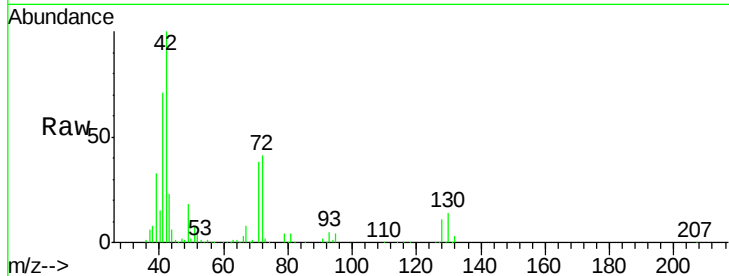
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
49	173.5	0.0	433.3
130	125.3	0.0	322.5

Manual Integrations
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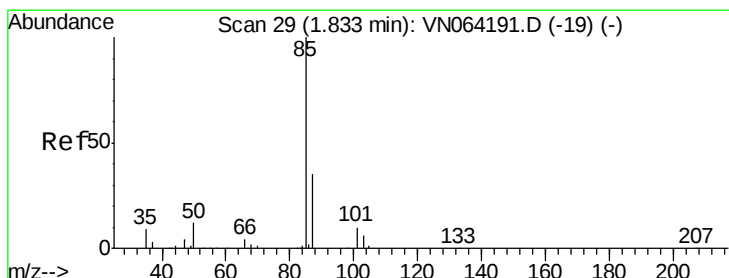
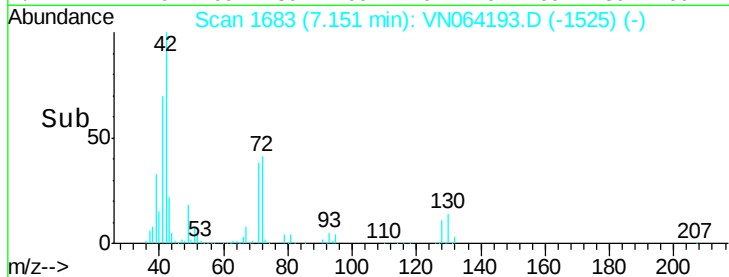
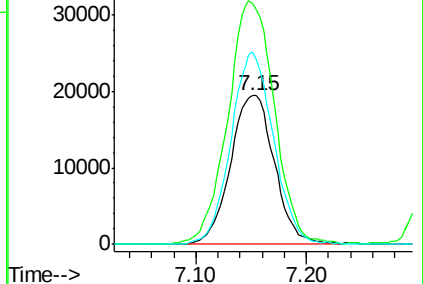
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 114.659 ug/l

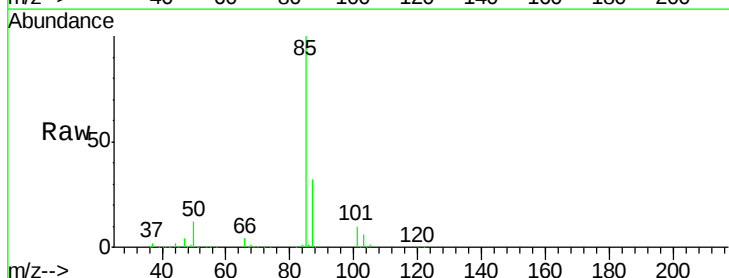
RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064193.D

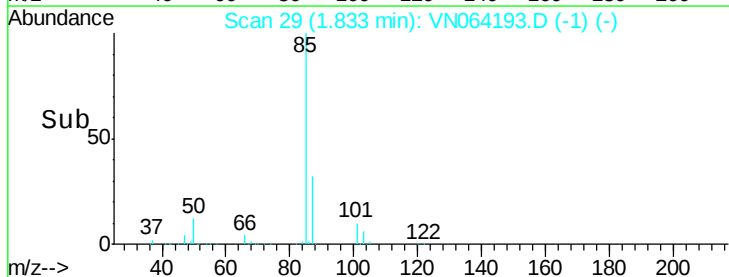
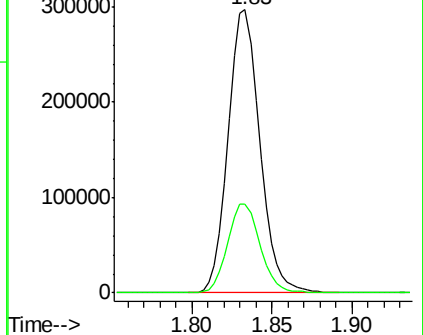
Acq: 20 Oct 2020 11:11

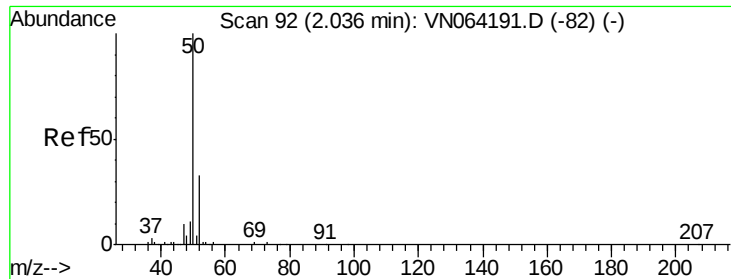
Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.6	17.8	53.3



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 108.881 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 394608

Ion Ratio Lower Upper

50 100

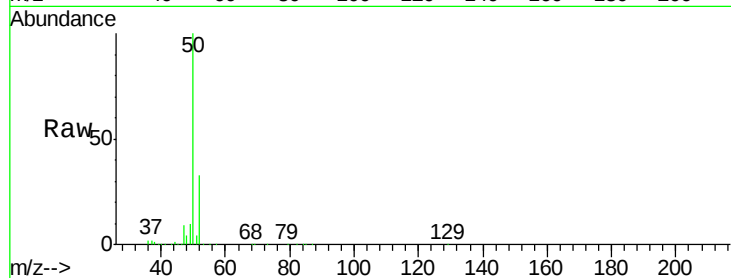
52 33.1 26.6 40.0

Manual Integrations

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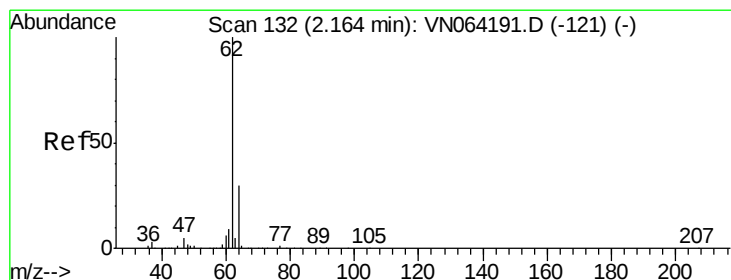
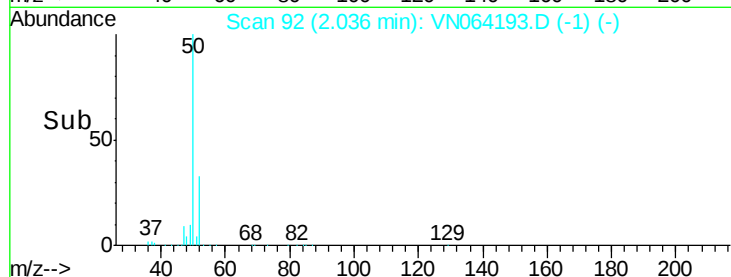
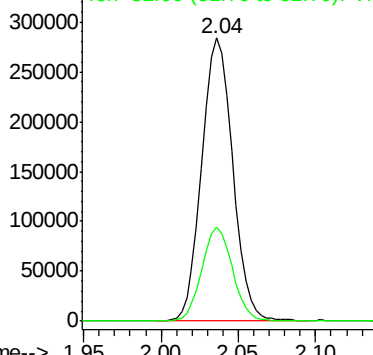
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 107.646 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064193.D

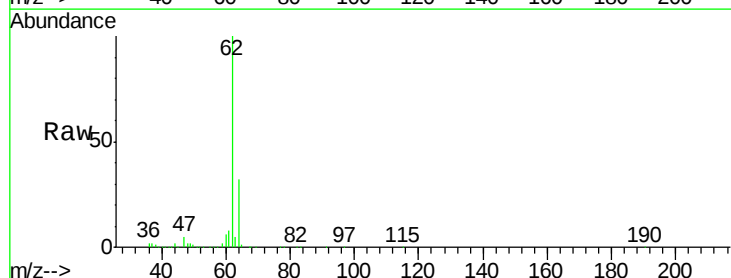
Acq: 20 Oct 2020 11:11

Tgt Ion: 62 Resp: 388111

Ion Ratio Lower Upper

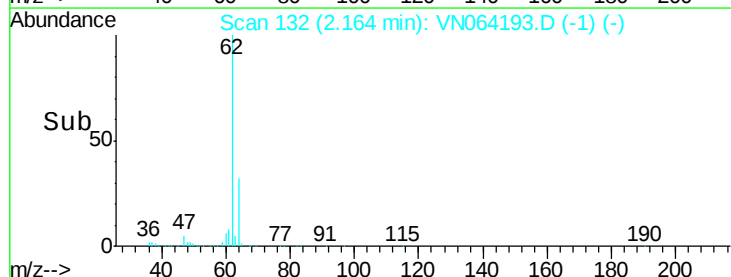
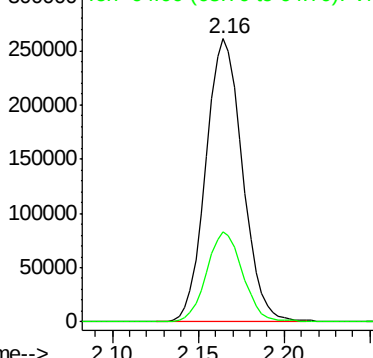
62 100

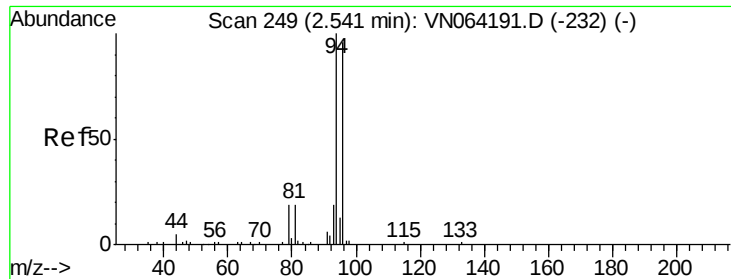
64 31.7 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 101.083 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.02 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 230923

Ion Ratio Lower Upper

94 100

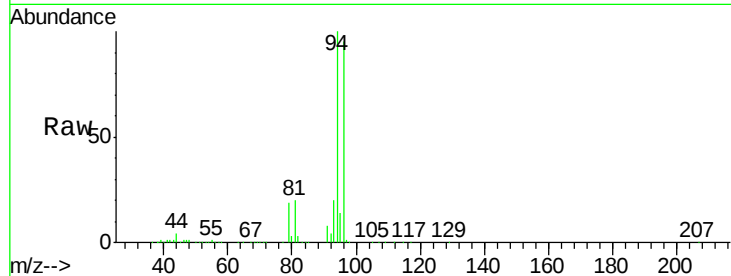
96 94.4 76.6 115.0

Manual Integrations

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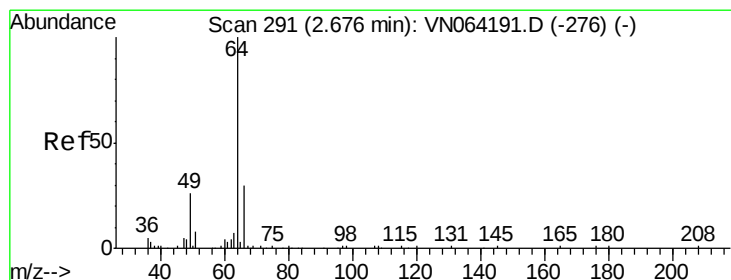
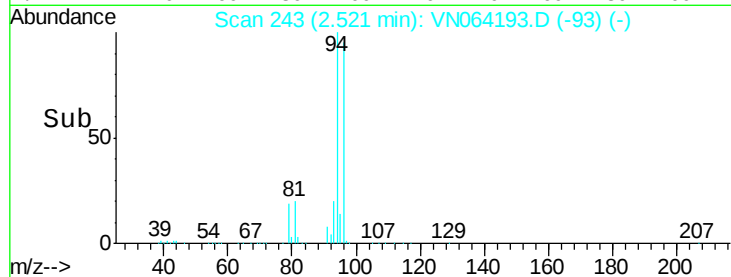
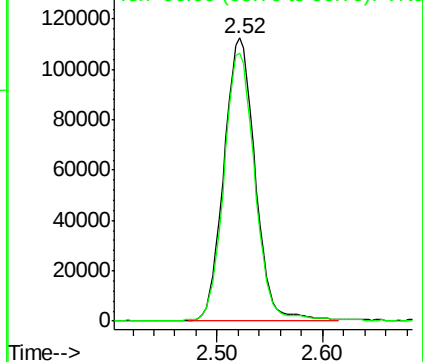
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 98.771 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN064193.D

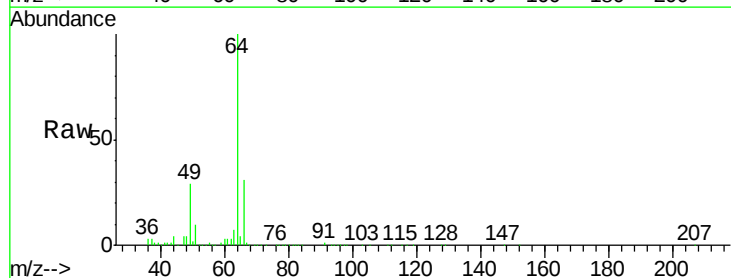
Acq: 20 Oct 2020 11:11

Tgt Ion: 64 Resp: 220342

Ion Ratio Lower Upper

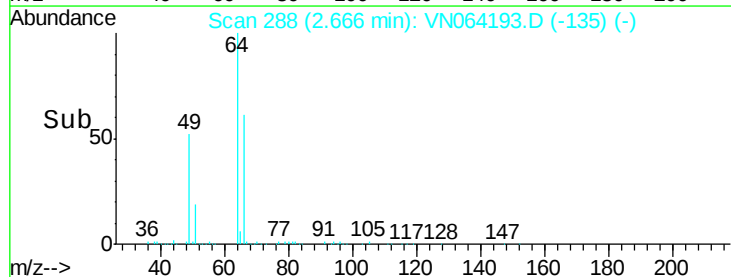
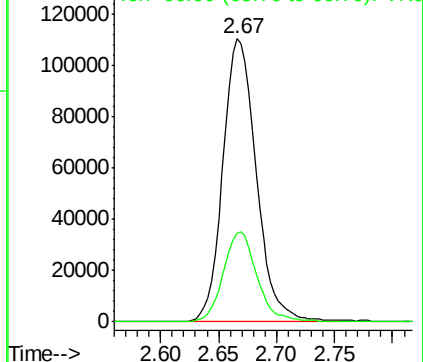
64 100

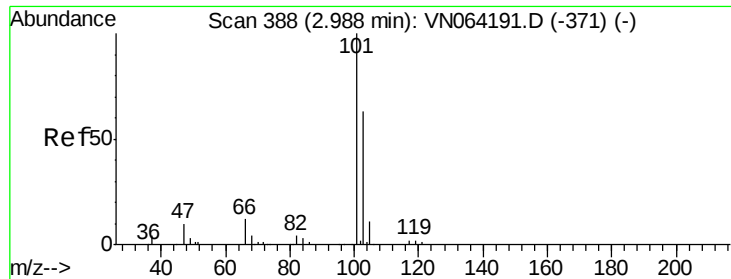
66 31.2 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

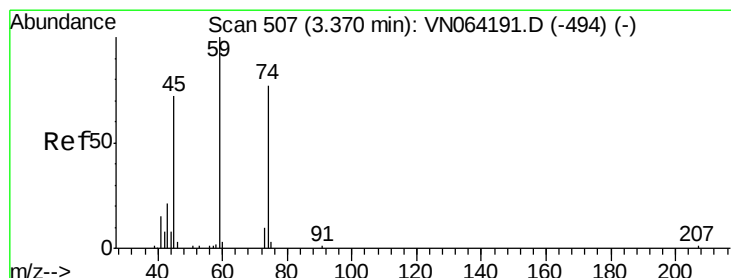
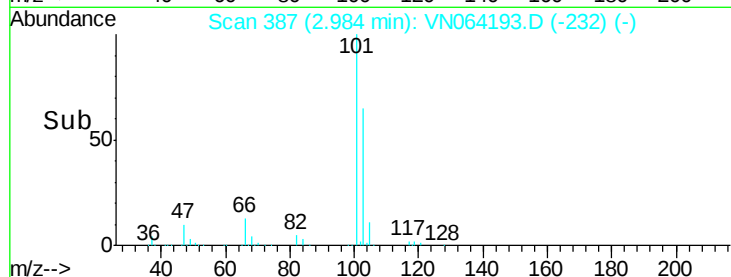
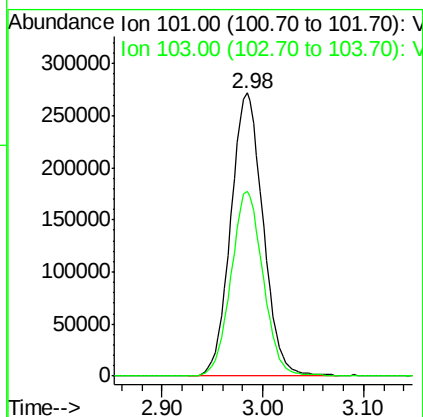
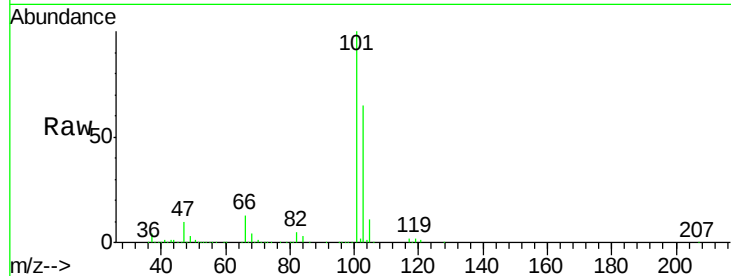
Trichlorofluoromethane
 Concen: 104.735 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
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 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	50.7	76.1

Manual Integrations
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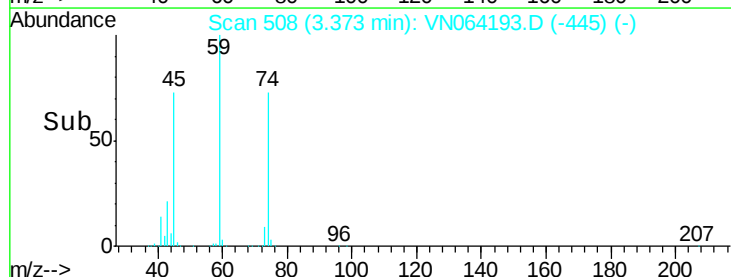
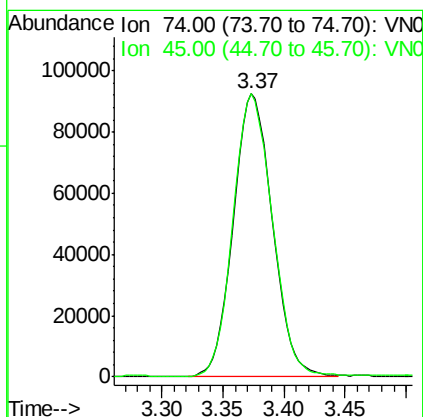
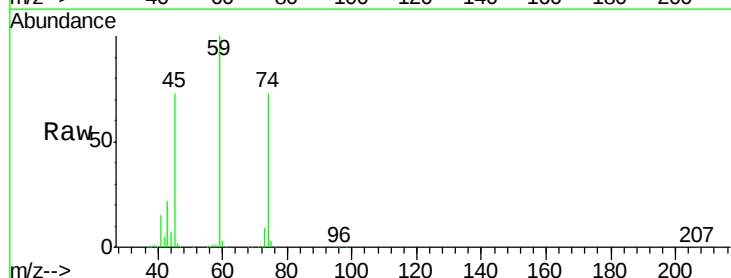
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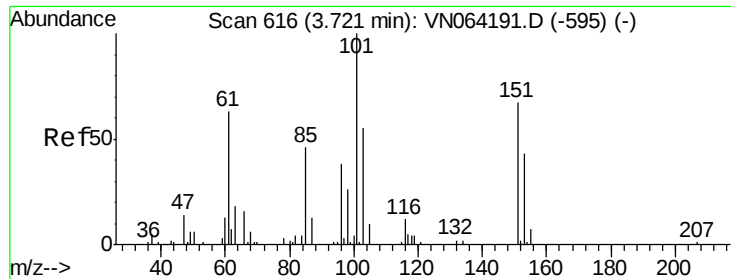


#8

Diethyl Ether
 Concen: 110.104 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	19.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.543 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

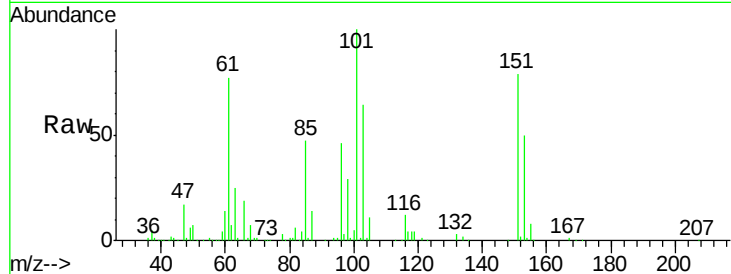
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	313838
Ion Ratio	Lower	Upper	
101	100		
85	46.9	0.0	94.0
151	77.1	0.0	146.6

Manual Integrations
APPROVED

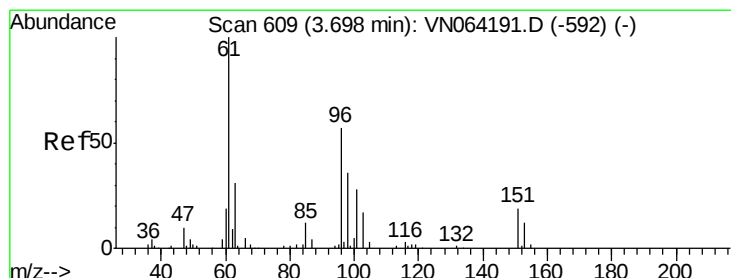
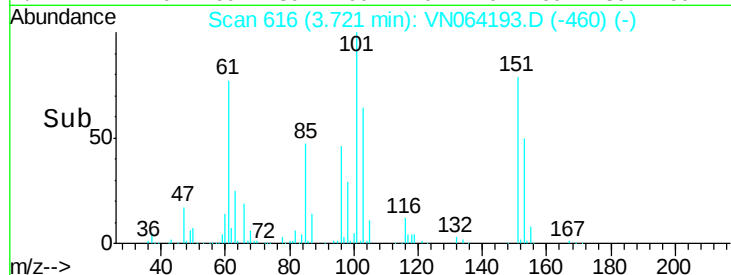
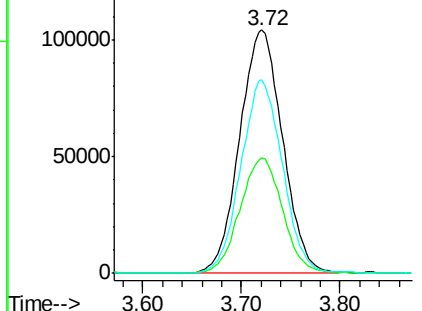
MMDadoda
10/23/2020 2:28:40 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 109.091 ug/l

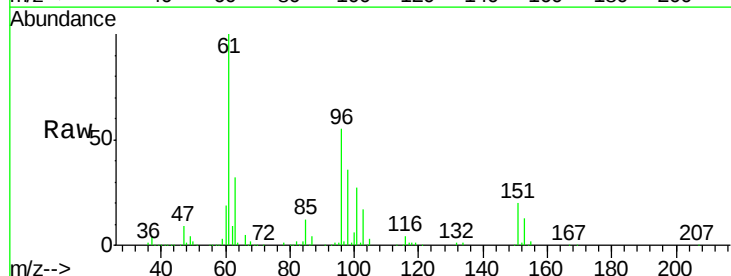
RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

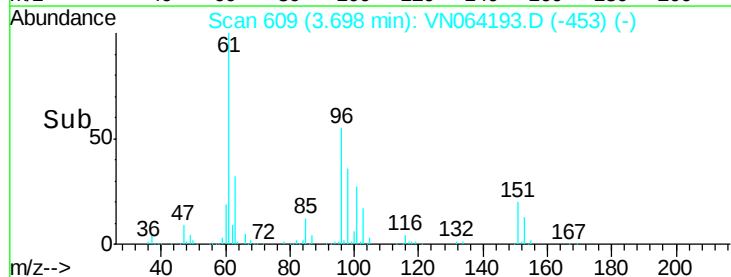
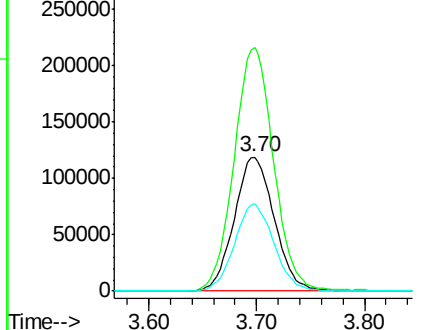
Tgt Ion:	96	Resp:	306681
Ion Ratio	Lower	Upper	
96	100		
61	182.0	141.0	211.4
98	65.1	51.4	77.2

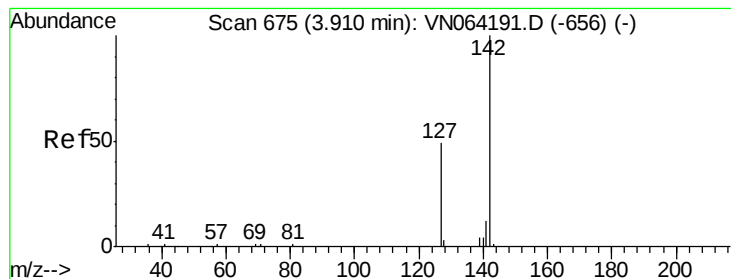


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





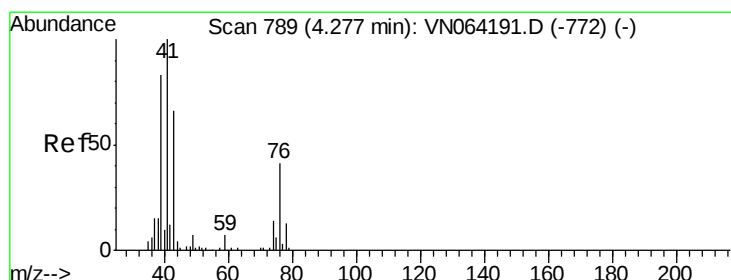
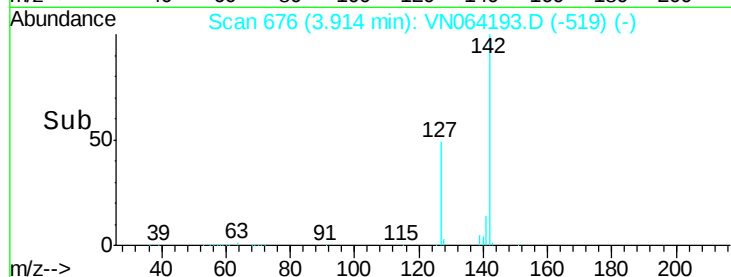
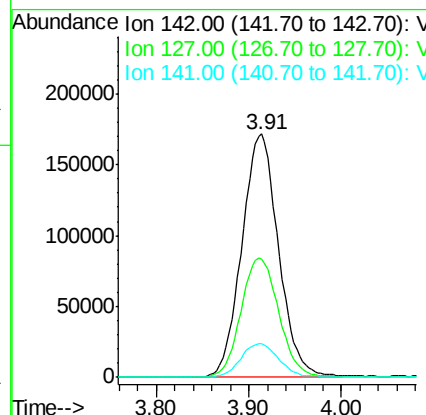
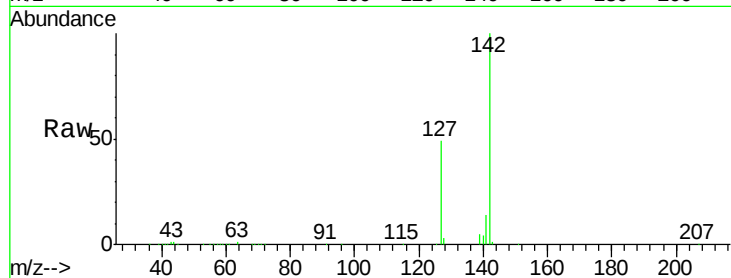
#11
Methyl Iodide
Concen: 129.398 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	48.8	24.5	73.5
141	13.7	6.0	18.1

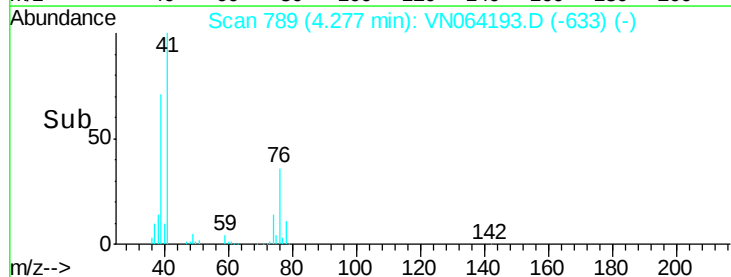
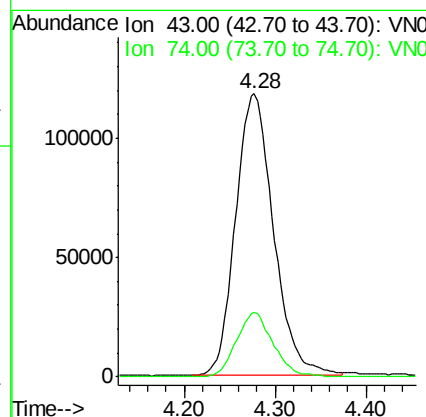
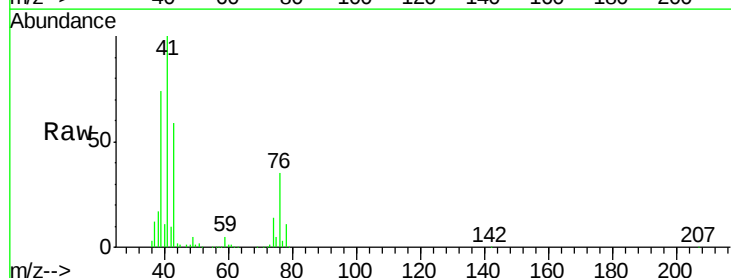
Manual Integrations
APPROVED

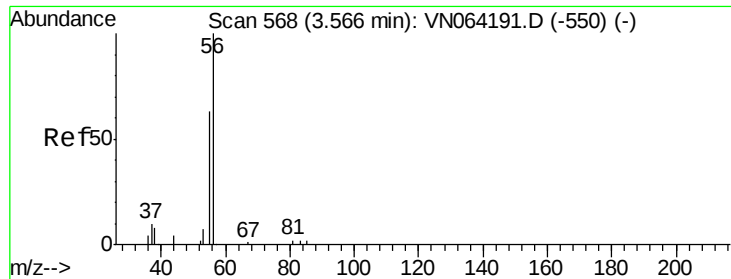
MMDadoda
10/23/2020 2:28:40 PM



#12
Methyl Acetate
Concen: 102.457 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	16.2	24.2





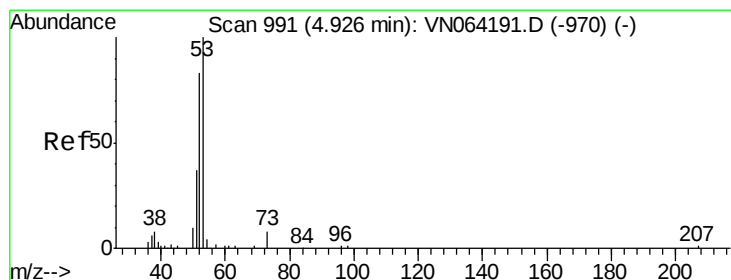
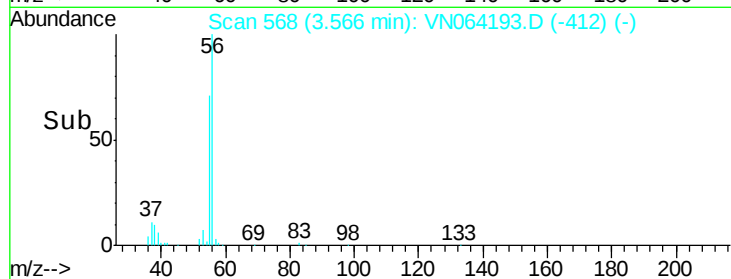
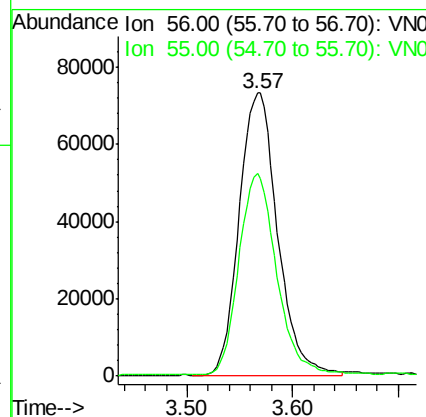
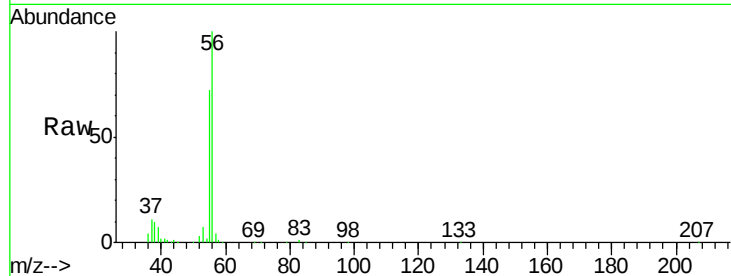
#13
Acrolein
Concen: 544.843 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.4	0.5	0.7#

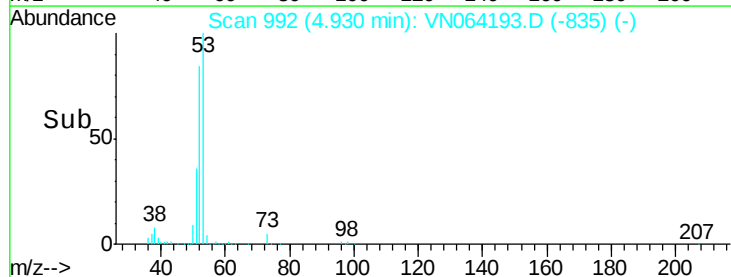
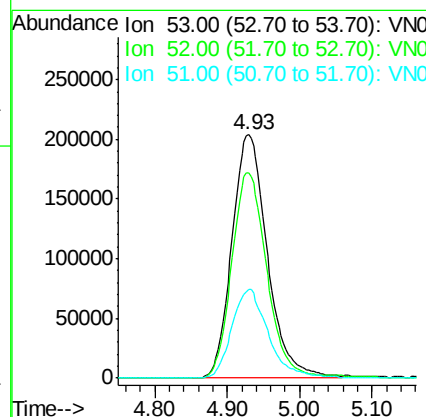
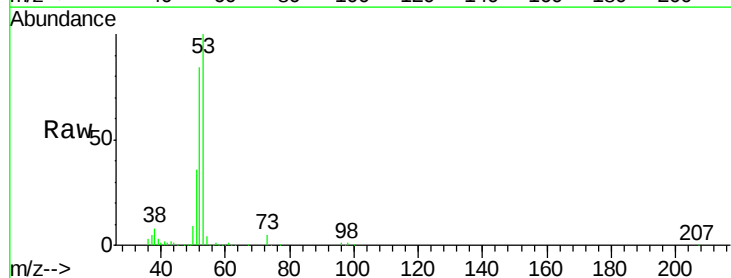
Manual Integrations
APPROVED

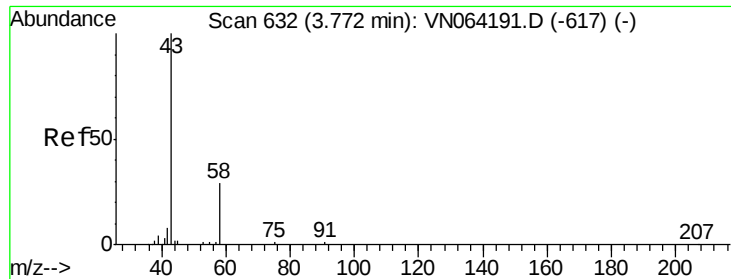
MMDadoda
10/23/2020 2:28:40 PM



#14
Acrylonitrile
Concen: 504.358 ug/l
RT: 4.93 min Scan# 992
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.8	41.3	123.9
51	37.2	18.1	54.1





#15

Acetone

Concen: 473.192 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 183957

Ion Ratio Lower Upper

58 100

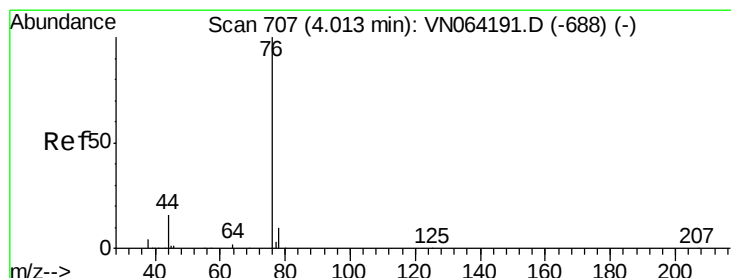
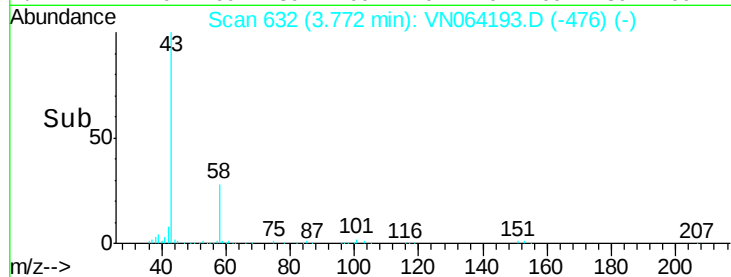
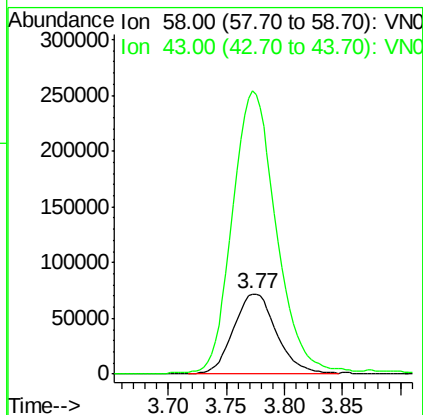
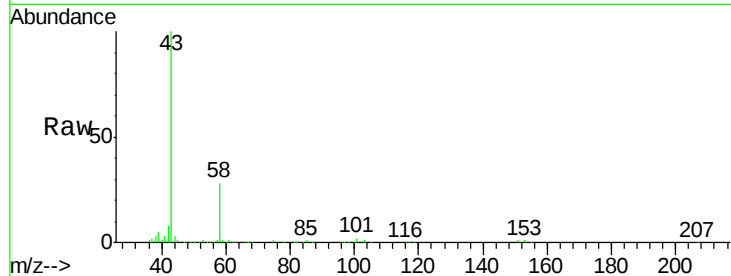
43 352.2 272.1 408.1

Manual Integrations

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#16

Carbon Disulfide

Concen: 109.295 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064193.D

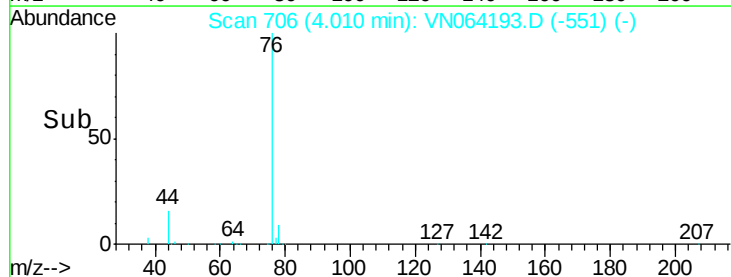
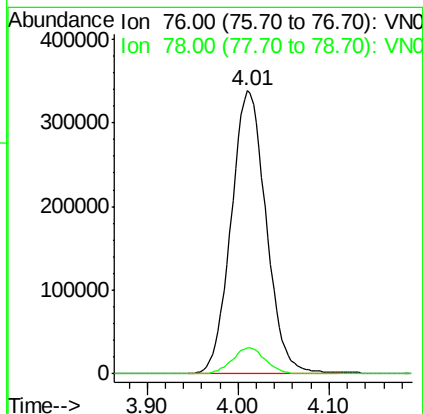
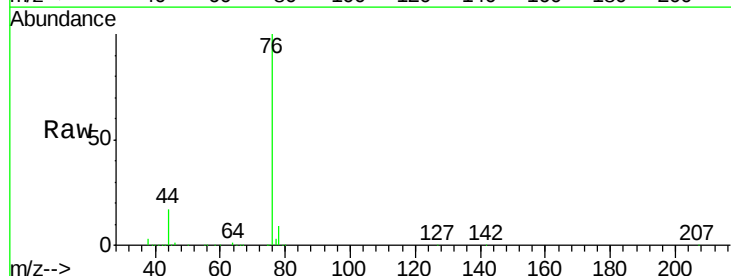
Acq: 20 Oct 2020 11:11

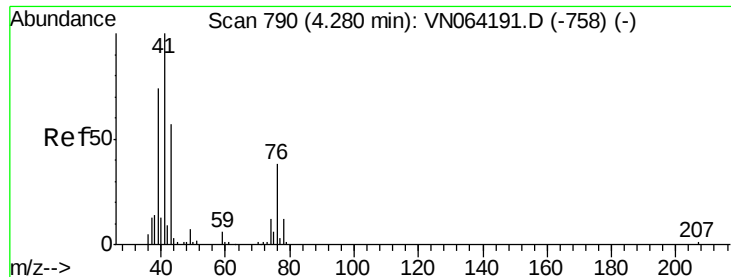
Tgt Ion: 76 Resp: 905670

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5





#17

Allvl chloride

Concen: 111.275 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

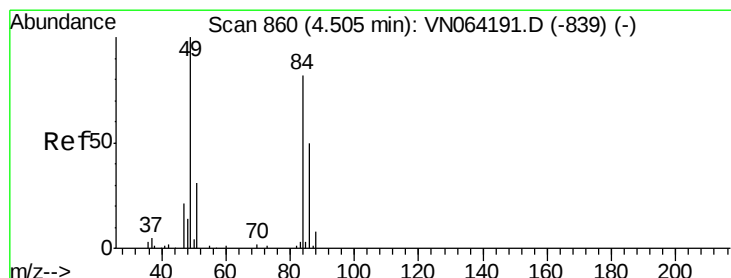
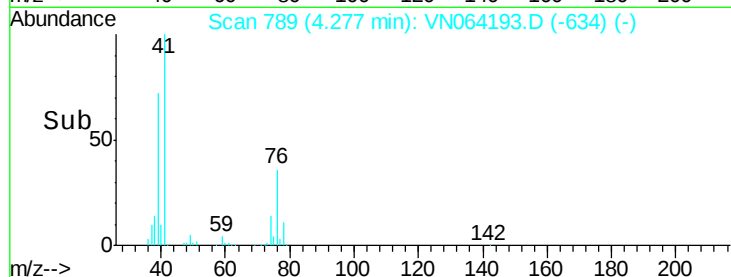
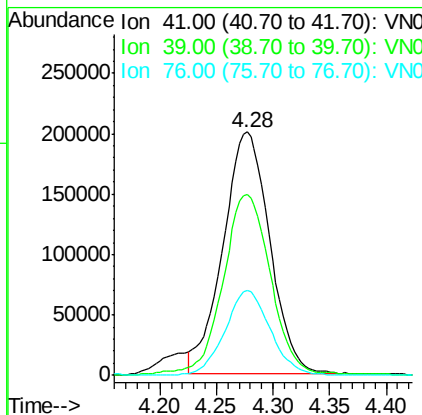
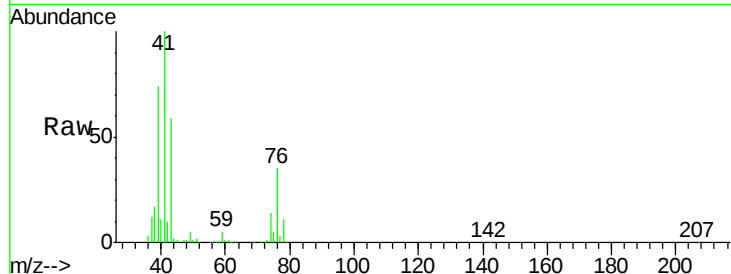
ClientSampleId :

VSTDIC100

Tot Ion:	41	Resp:	573514
Ion	Ratio	Lower	Upper
41	100		
39	74.0	36.8	110.4
76	34.9	18.8	56.4

Manual Integrations
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#18

Methylene Chloride

Concen: 105.675 ug/l

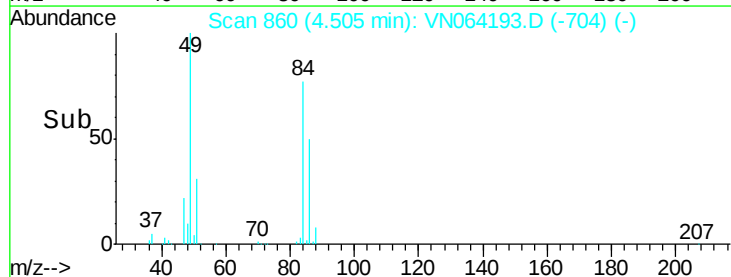
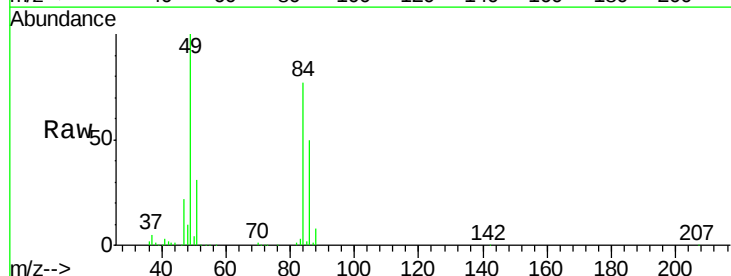
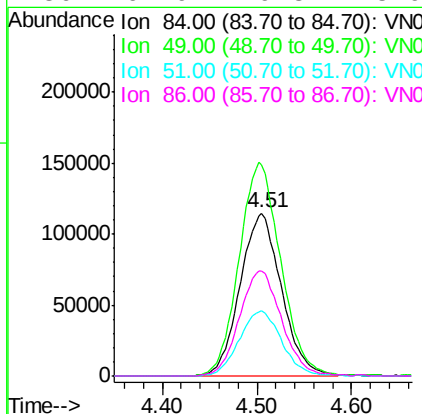
RT: 4.51 min Scan# 860

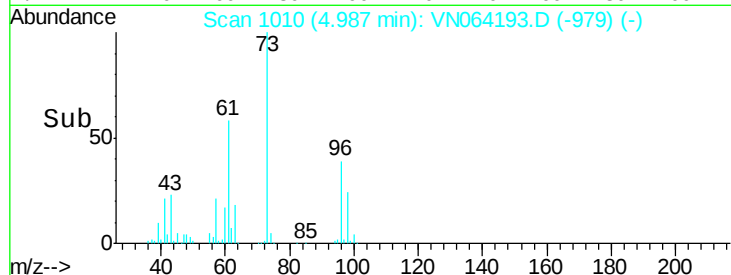
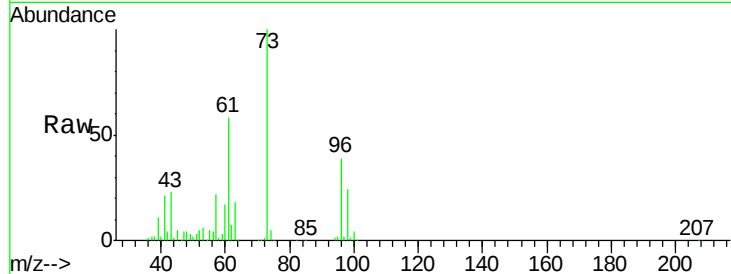
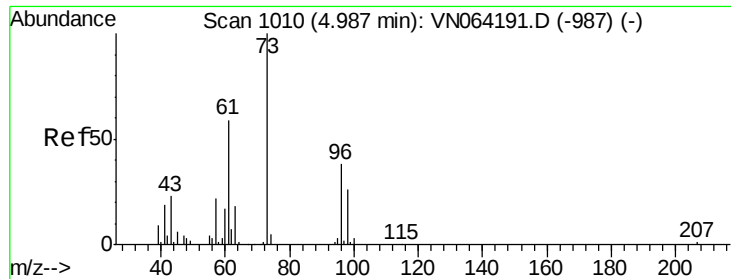
Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Tgt Ion:	84	Resp:	348418
Ion	Ratio	Lower	Upper
84	100		
49	130.3	97.6	146.4
51	39.9	31.1	46.7
86	64.9	49.3	73.9





#19

trans-1,2-Dichloroethene

Concen: 106.143 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064193.D

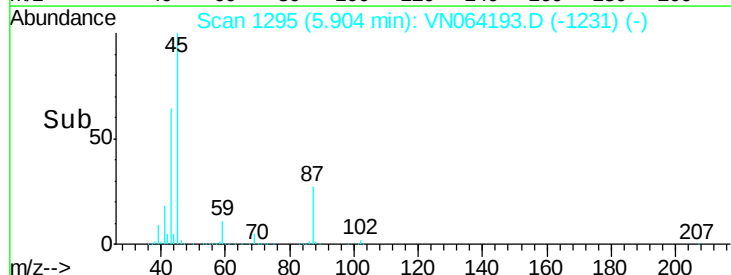
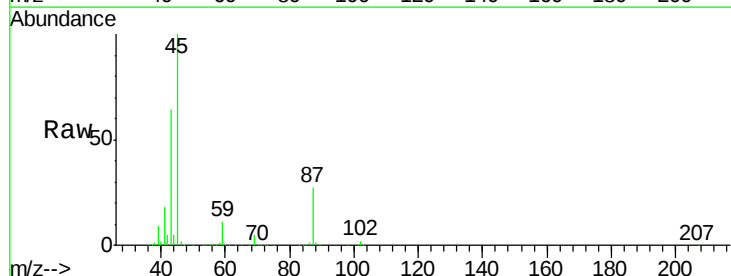
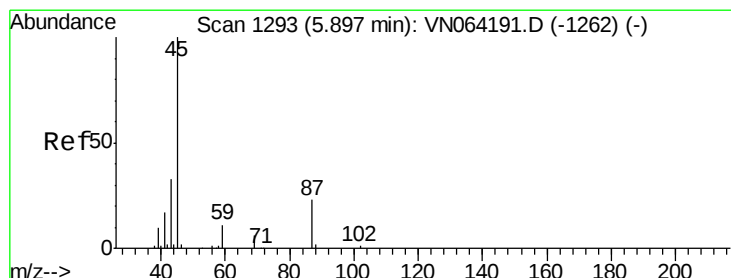
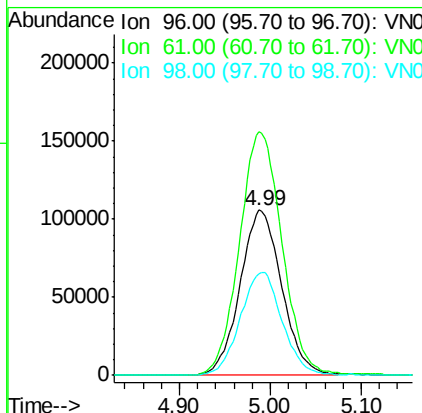
Acq: 20 Oct 2020 11:11

Tot Ion:	96	Resp:	336447
Ion	Ratio	Lower	Upper
96	100		
61	147.4	125.5	188.3
98	61.3	54.7	82.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Manual Integrations
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#20

Diisopropyl ether

Concen: 103.935 ug/l

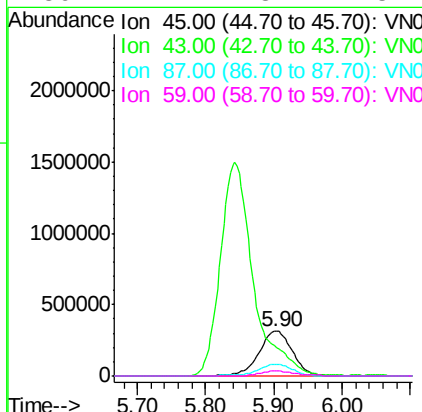
RT: 5.90 min Scan# 1295

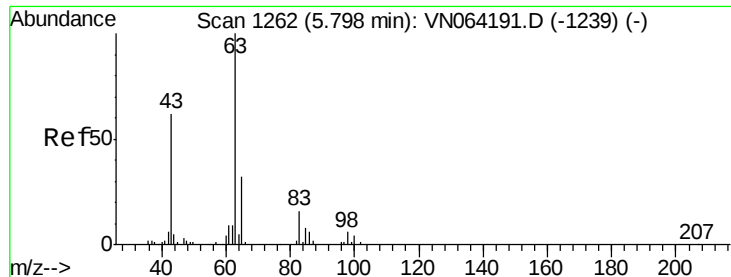
Delta R.T. 0.01 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Tgt Ion:	45	Resp:	1076228
Ion	Ratio	Lower	Upper
45	100		
43	63.7	55.1	82.7
87	26.6	19.4	29.2
59	11.1	8.7	13.1





#21

1,1-Dichloroethane

Concen: 103.469 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

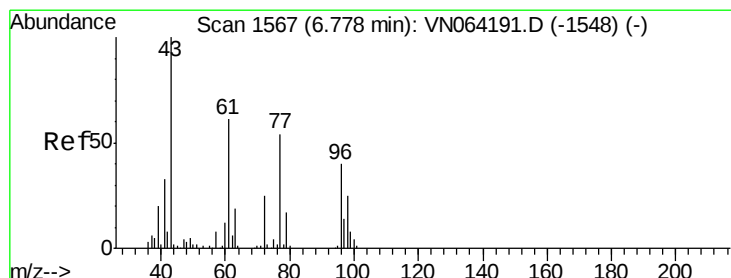
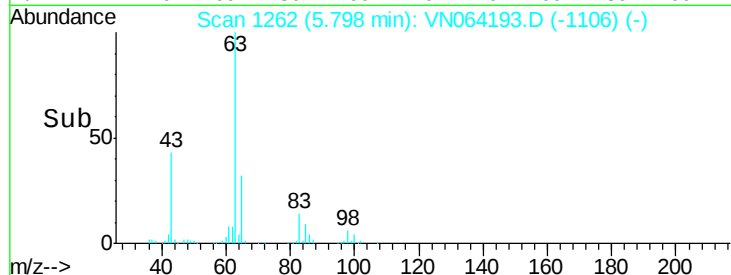
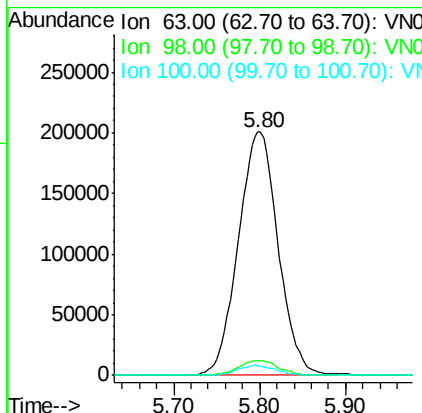
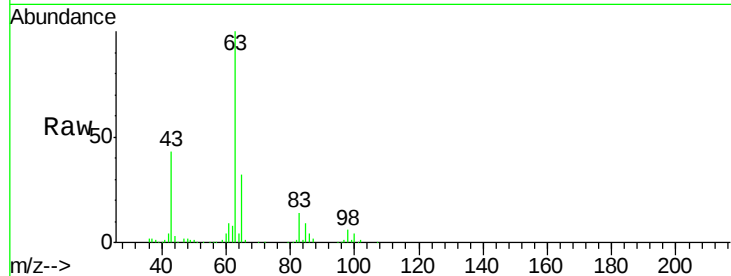
ClientSampleId :

VSTDIC100

Tot Ion:	63	Resp:	646035
Ion Ratio		Lower	Upper
63	100		
98	6.1	2.9	8.7
100	4.1	2.1	6.3

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 106.871 ug/l

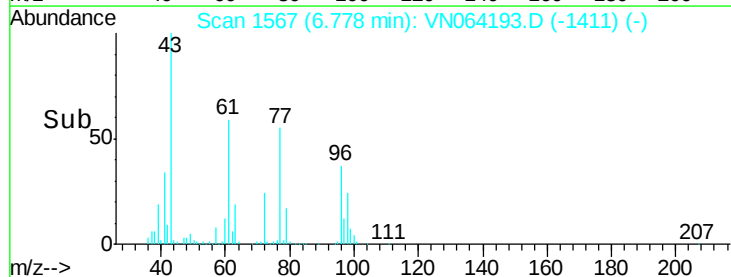
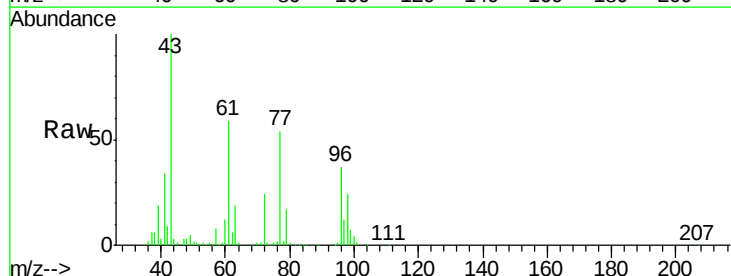
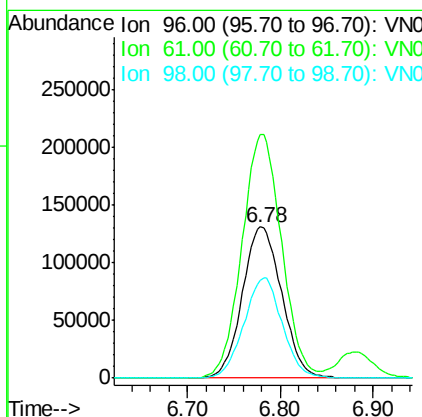
RT: 6.78 min Scan# 1567

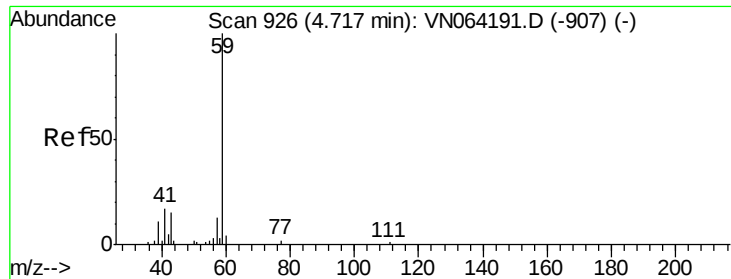
Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Tgt Ion:	96	Resp:	386659
Ion Ratio		Lower	Upper
96	100		
61	161.8	126.2	189.4
98	64.7	50.2	75.4





#23

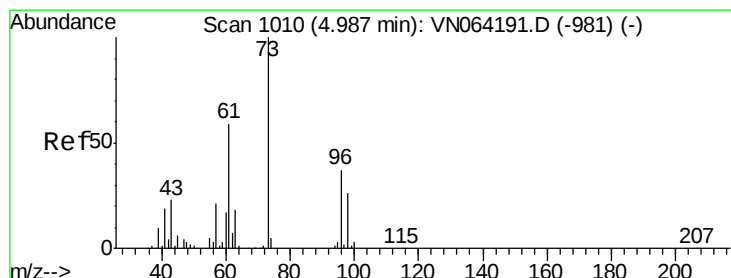
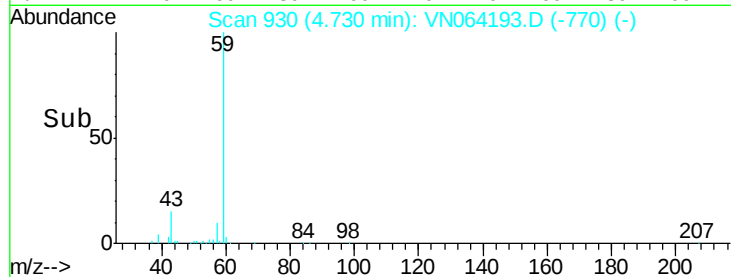
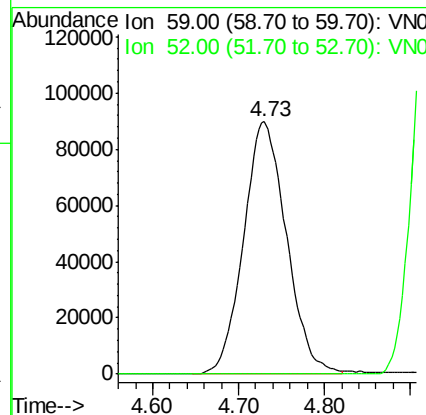
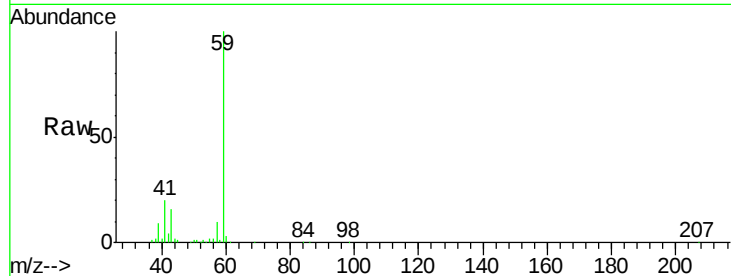
tert-Butyl Alcohol
 Concen: 527.585 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	311612		
52	52	0.1		0.0	0.0#

Manual Integrations
 APPROVED

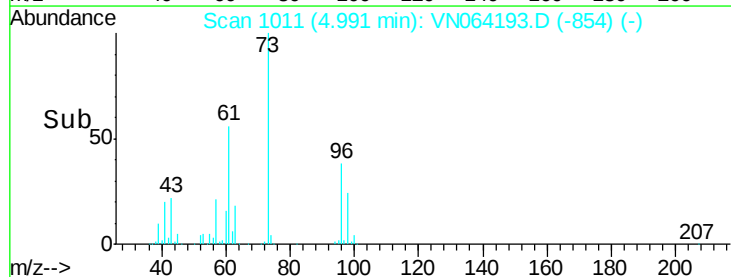
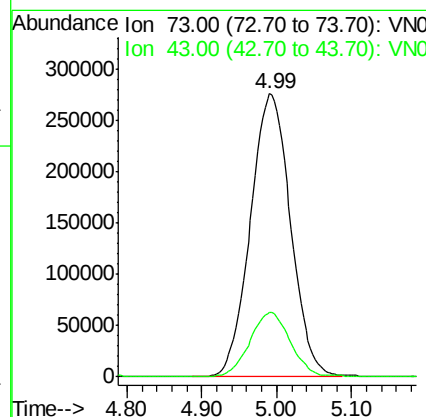
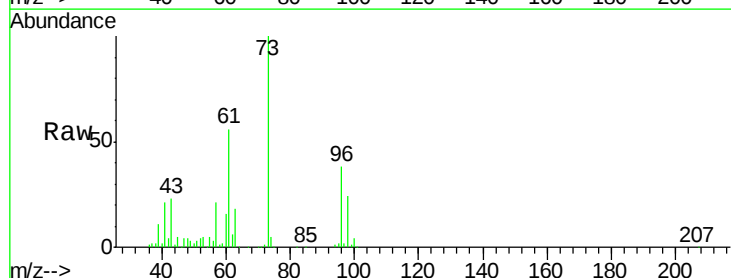
MMDadoda
 10/23/2020 2:28:40 PM

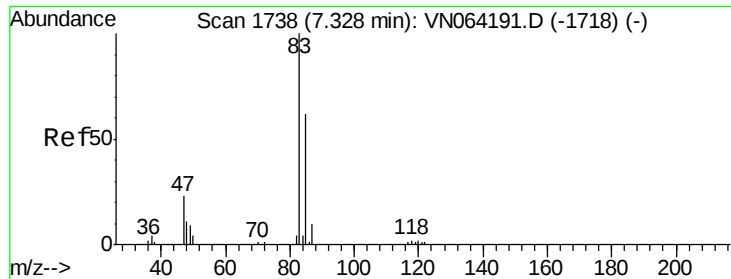


#24

Methyl tert-Butyl Ether
 Concen: 109.692 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	1030077		
43	43	22.7		18.2	27.2





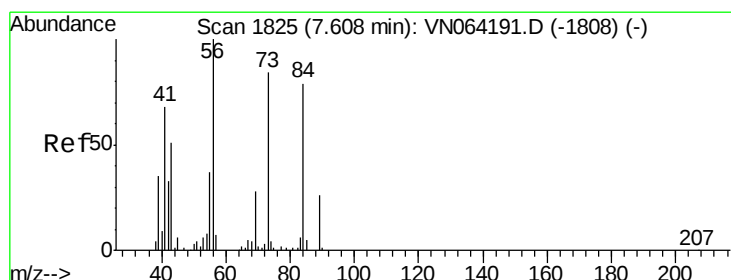
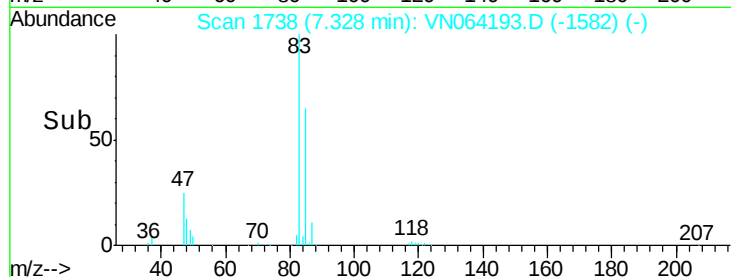
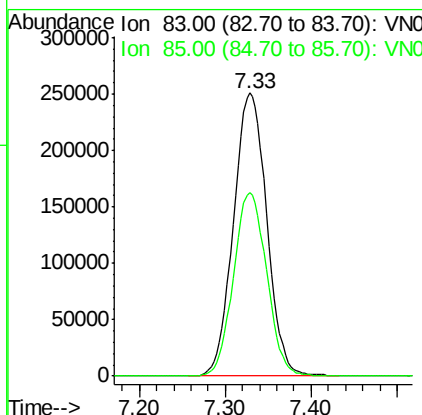
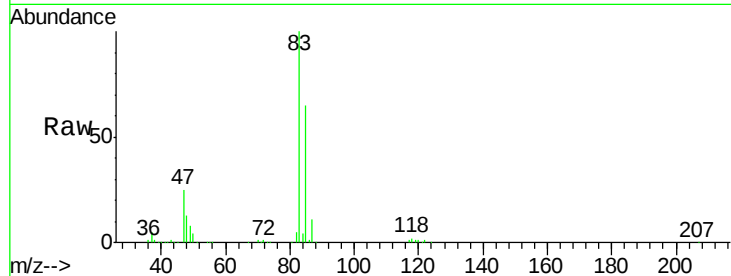
#25
Chloroform
Concen: 103.220 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	85	Resp	Lower	Upper
674809	100	64.7		49.7	74.5

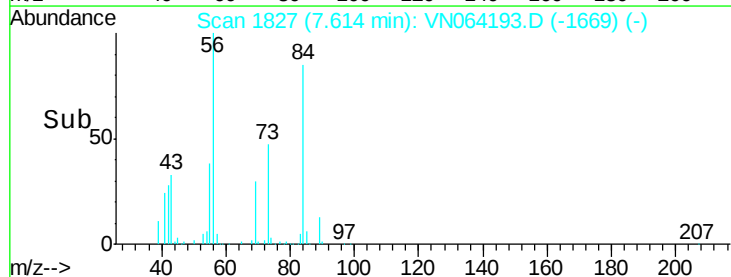
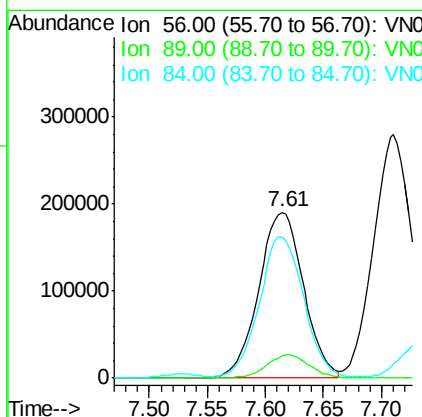
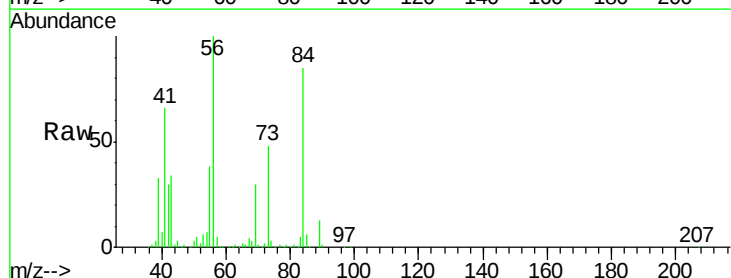
Manual Integrations
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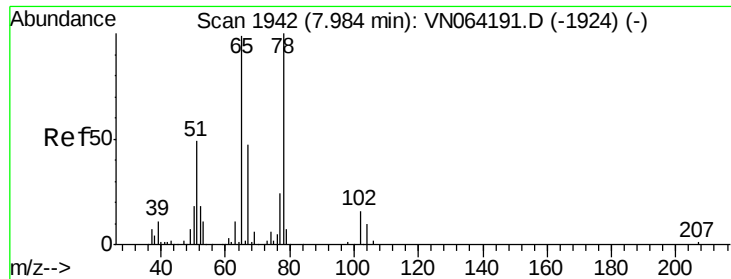
MMDadoda
10/23/2020 2:28:40 PM



#26
Cyclohexane
Concen: 111.219 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	56	89	84	Resp	Lower	Upper
512755	100	13.2	84.6		21.4	32.0#





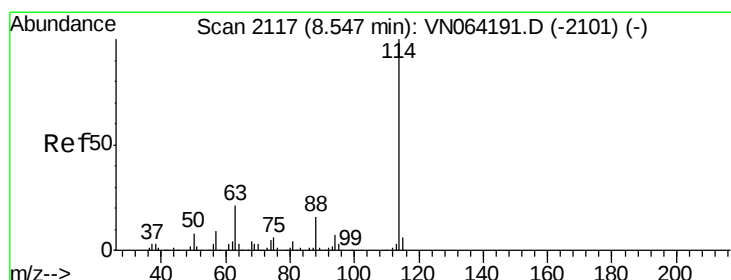
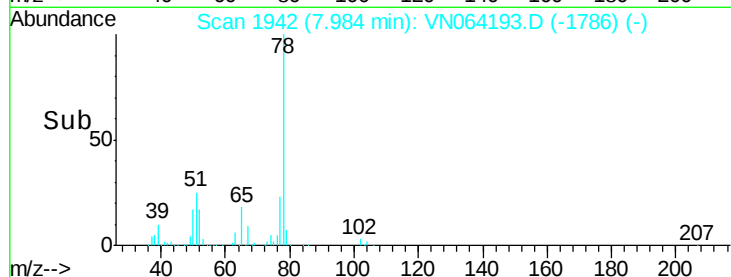
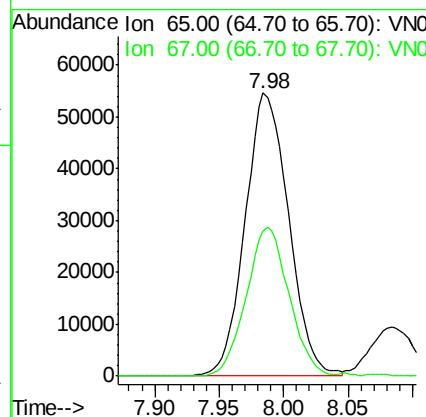
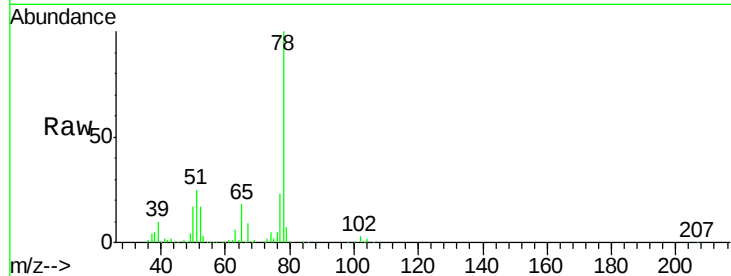
#27
 1,2-Dichloroethane-d4
 Concen: 27.166 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	39.8	59.6

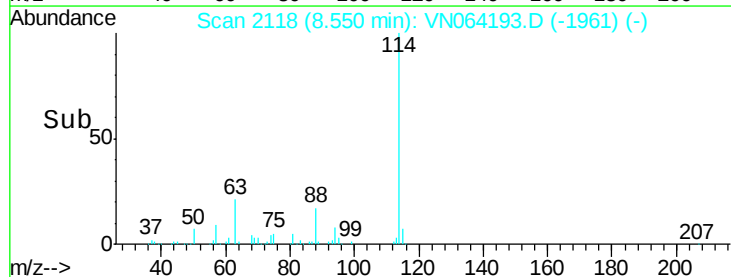
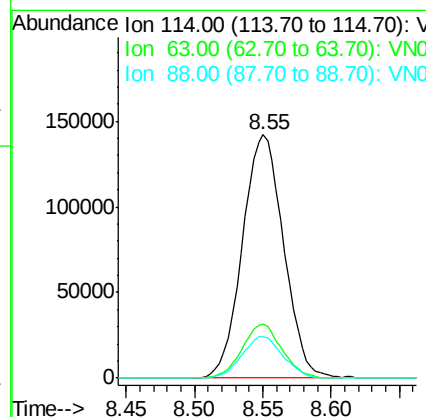
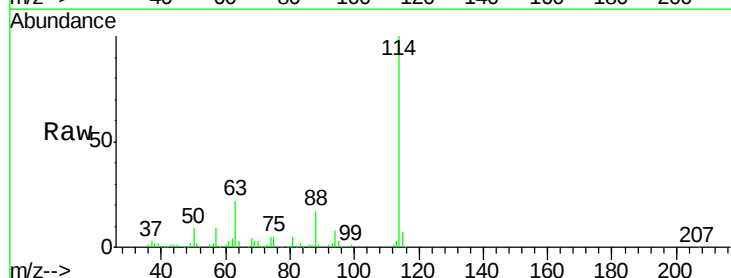
Manual Integrations
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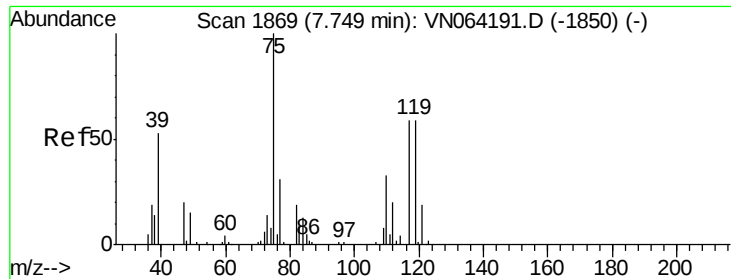
MMDadoda
 10/23/2020 2:28:40 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	17.0	25.4
88	17.1	13.0	19.4





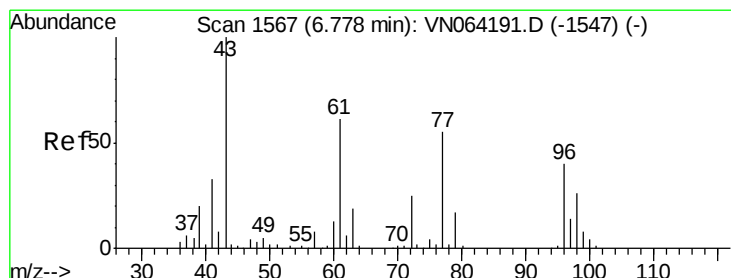
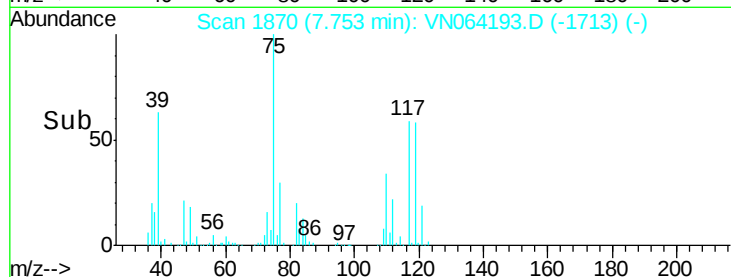
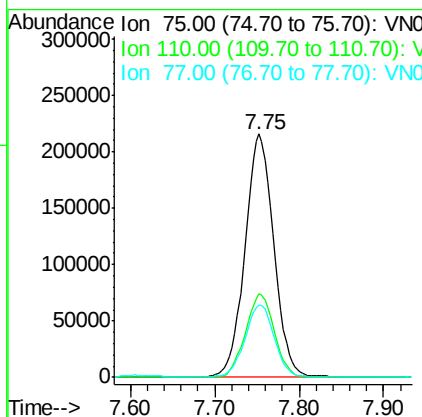
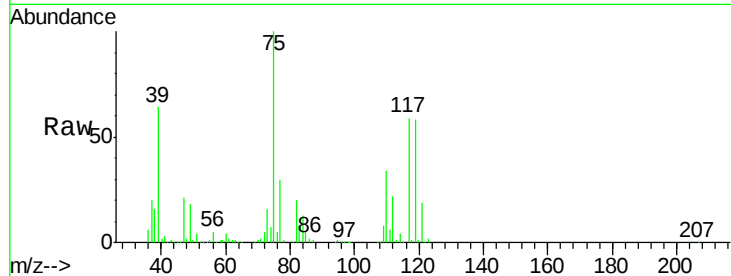
#29
 1,1-Dichloropropene
 Concen: 102.960 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.1	0.0	66.8	
77	30.4	0.0	63.6	

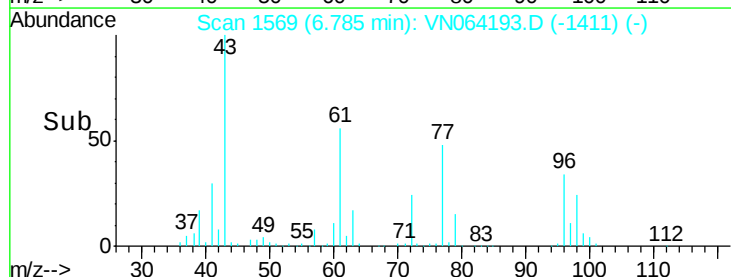
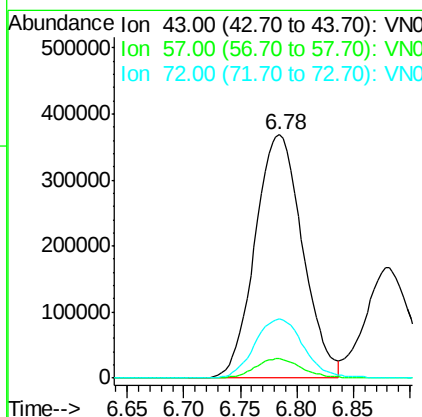
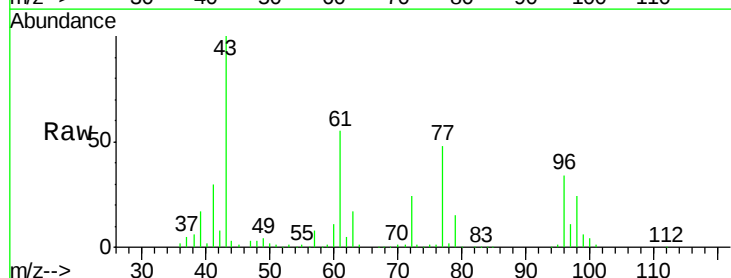
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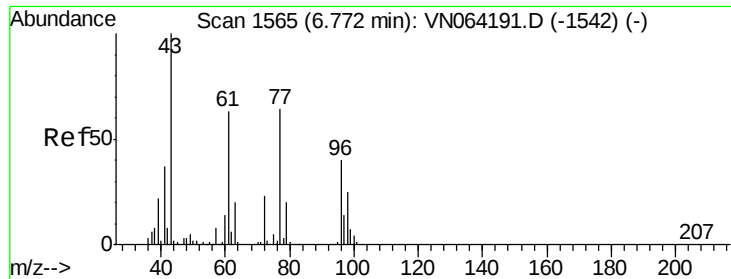
MMDadoda
 10/23/2020 2:28:40 PM



#30
 2-Butanone
 Concen: 453.210 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.0	5.8	8.6	
72	25.2	19.8	29.8	





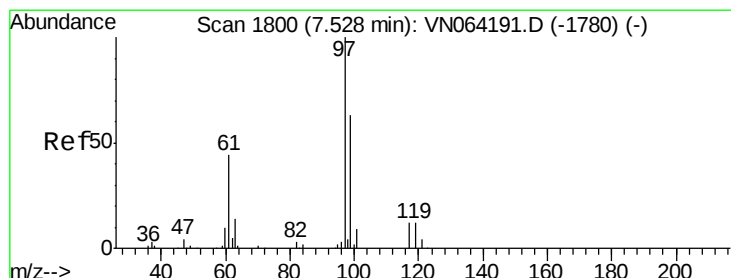
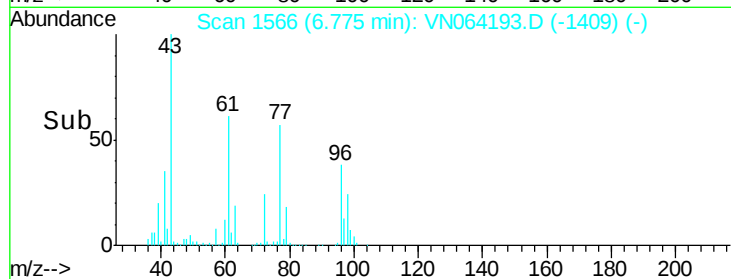
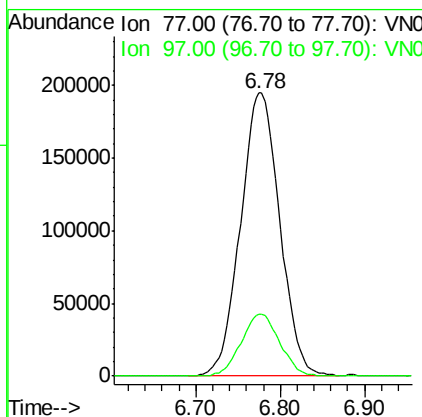
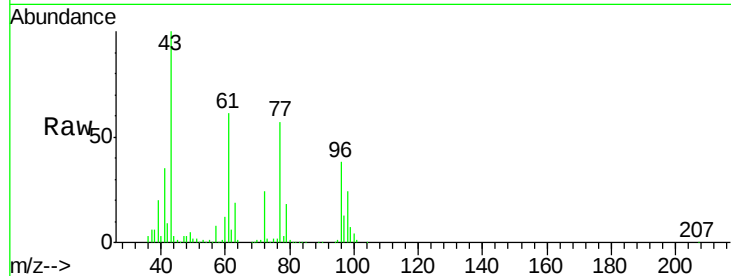
#31
 2,2-Dichloropropane
 Concen: 104.788 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 77 Resp: 629516
 Ion Ratio Lower Upper
 77 100
 97 21.5 17.3 25.9

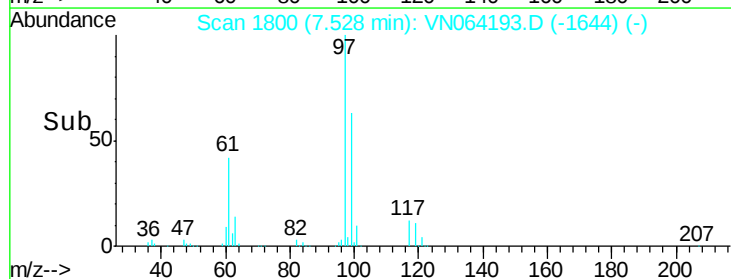
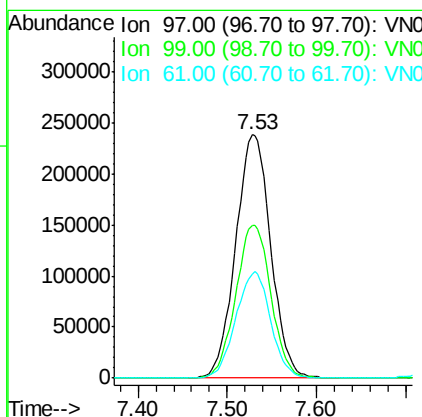
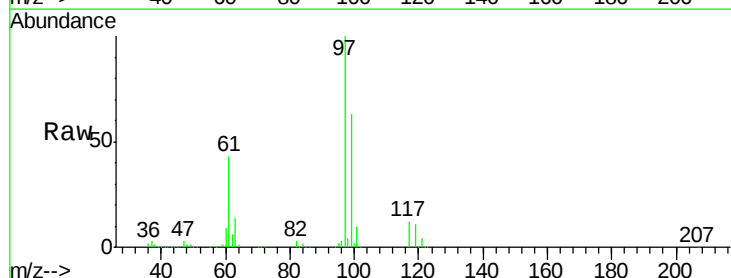
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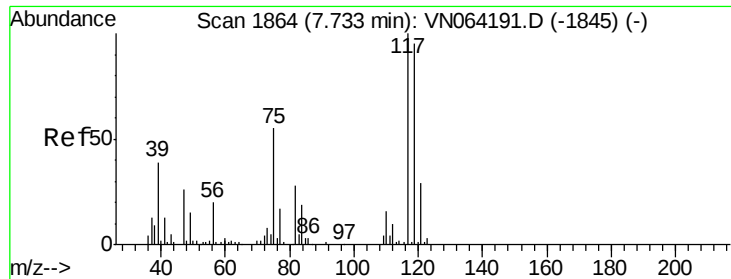
MMDadoda
 10/23/2020 2:28:40 PM



#32
 1,1,1-Trichloroethane
 Concen: 103.105 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion: 97 Resp: 652148
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.3 76.9
 61 43.3 34.8 52.2





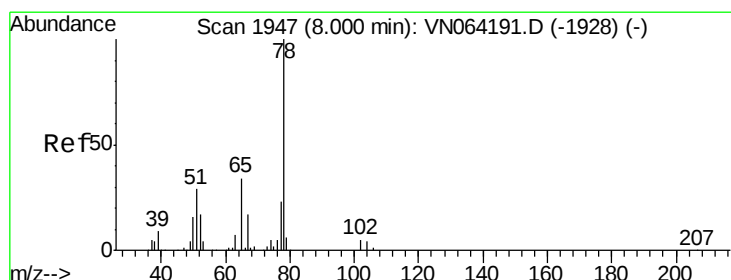
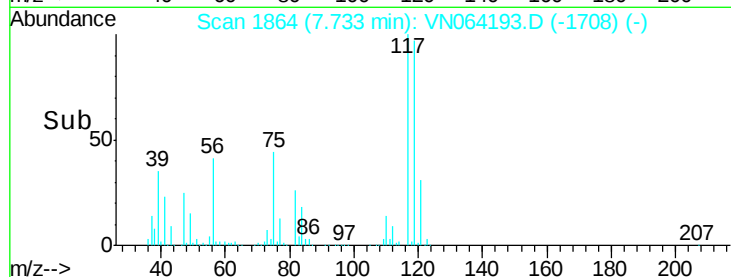
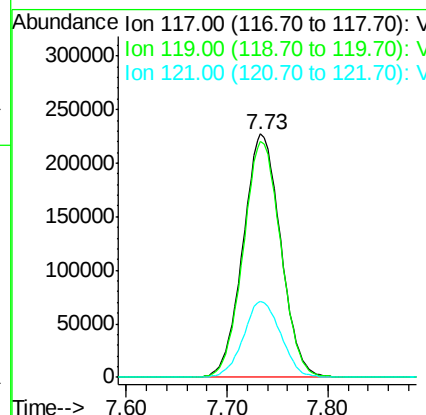
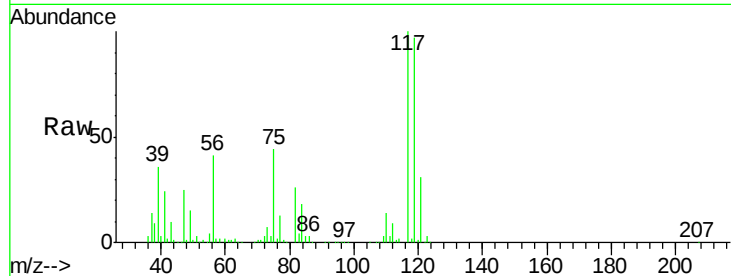
#33
Carbon Tetrachloride
Concen: 104.883 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.0	114.0
121	31.2	23.0	34.6

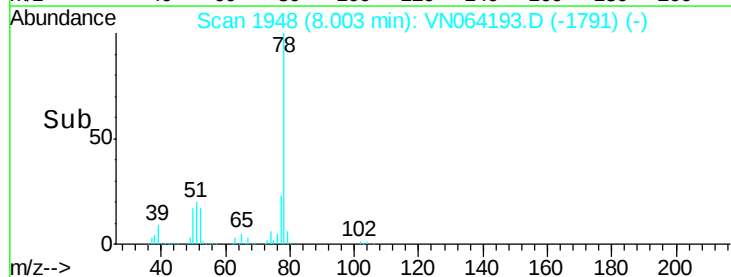
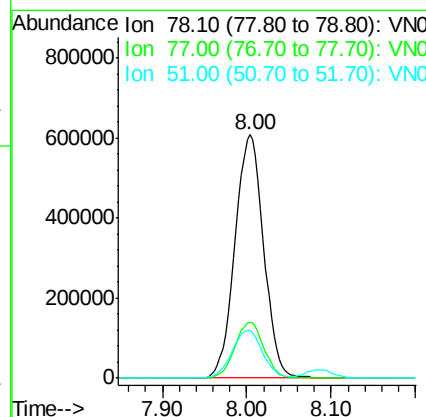
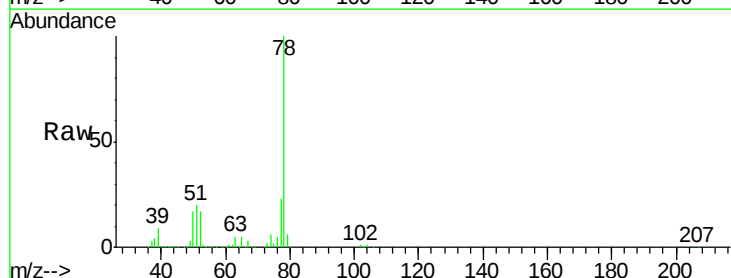
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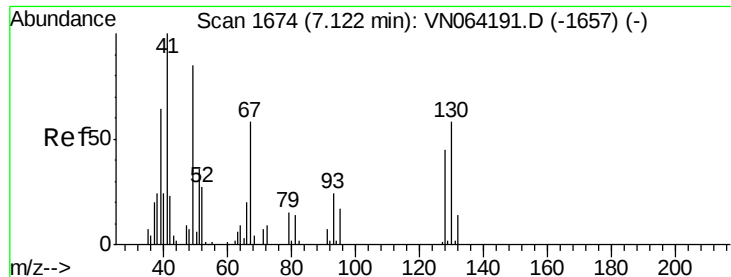
MMDadoda
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#34
Benzene
Concen: 102.607 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.4	27.6
51	19.7	23.0	34.6#





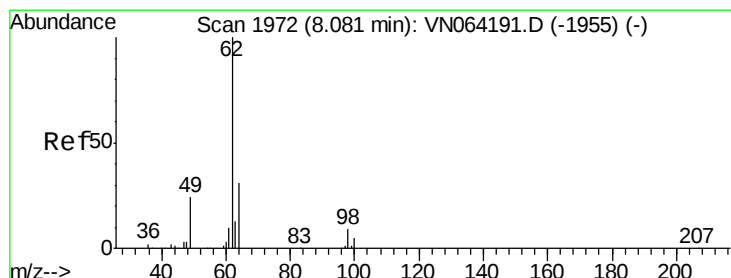
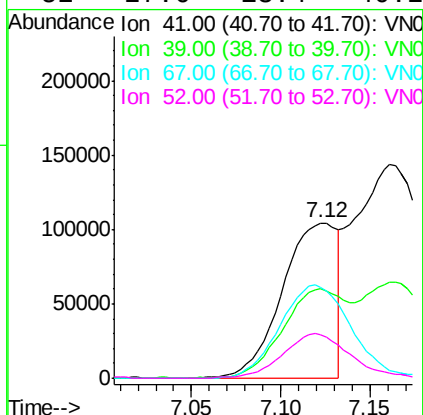
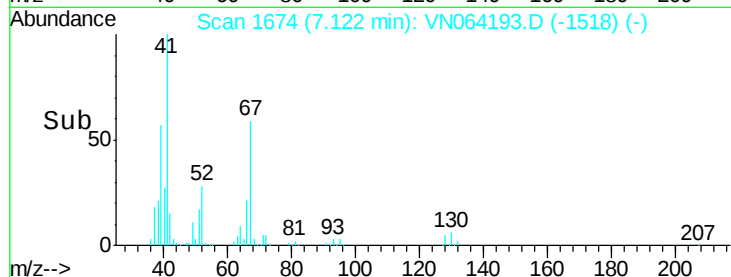
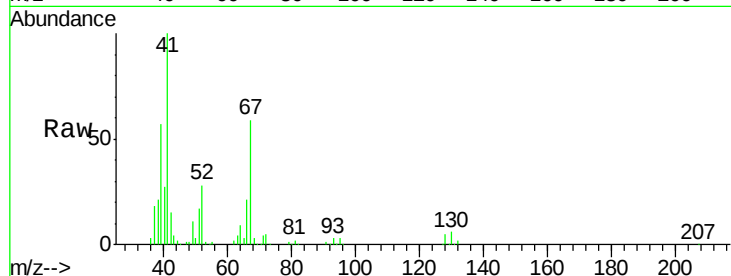
#35
Methacrylonitrile
Concen: 96.034 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	223112
Ion Ratio	Lower	Upper	
41	100		
39	57.2	32.1	96.3
67	59.0	28.9	86.8
52	27.6	13.4	40.2

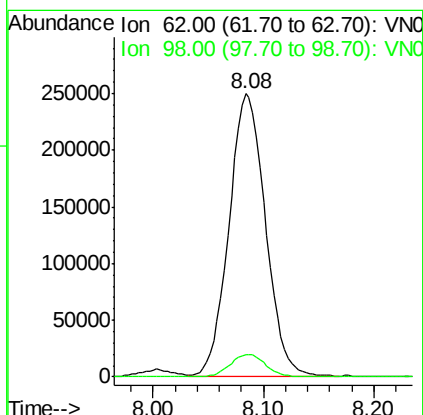
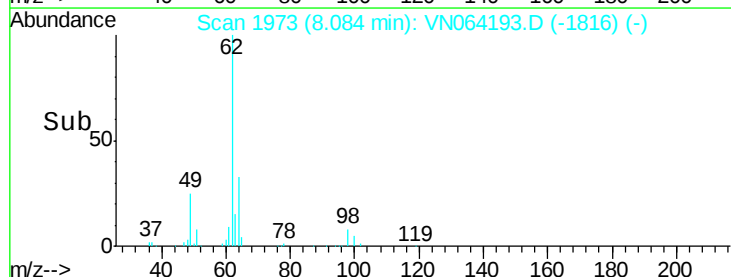
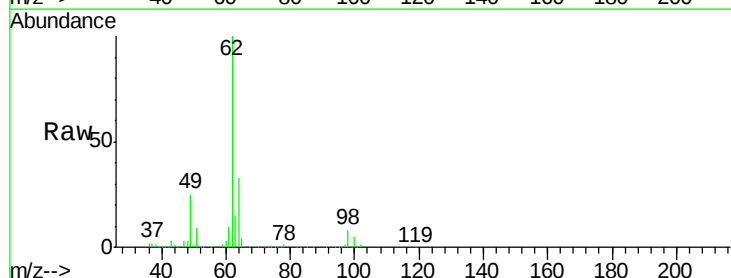
Manual Integrations
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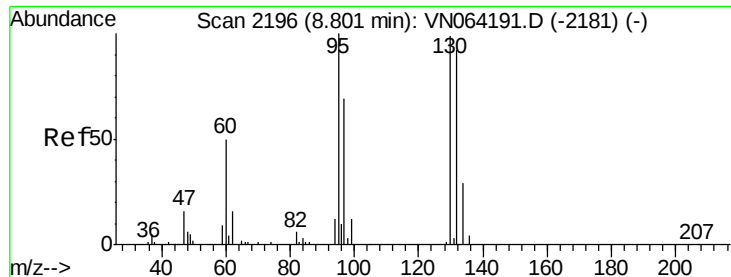
MMDadoda
10/23/2020 2:28:40 PM



#36
1,2-Dichloroethane
Concen: 93.629 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	62	Resp	571445
Ion Ratio	Lower	Upper	
62	100		
98	7.8	6.3	9.5





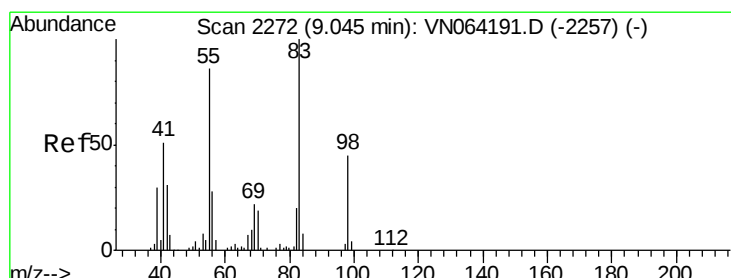
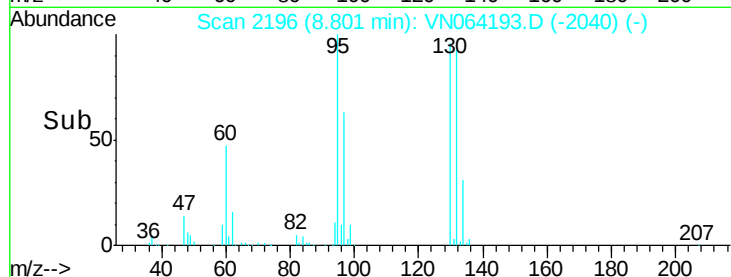
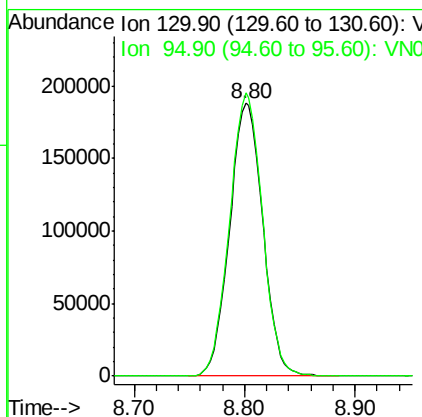
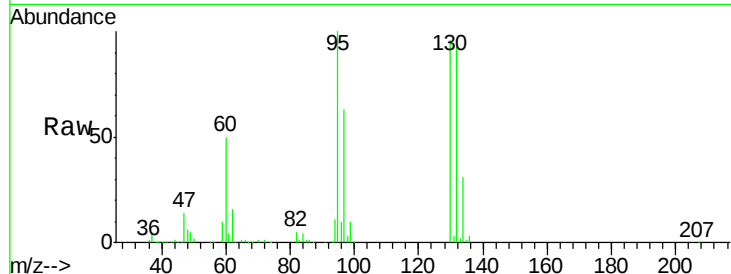
#37
 Trichloroethene
 Concen: 105.053 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
130	100	392627		
95	103.7	81.0	121.4	

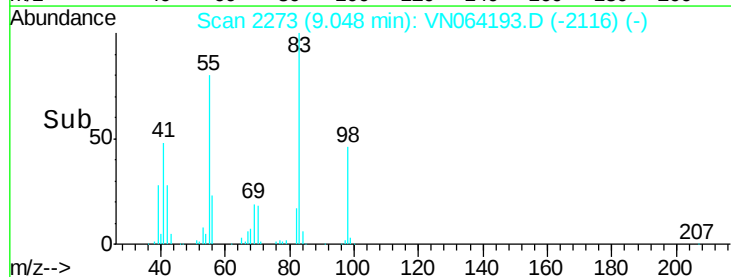
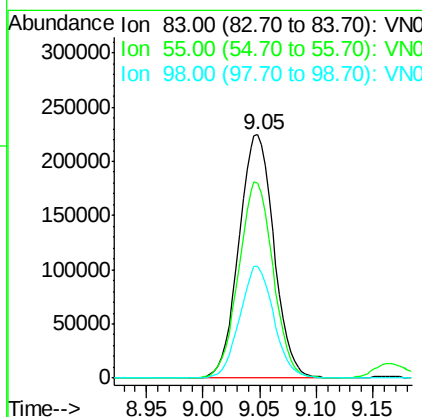
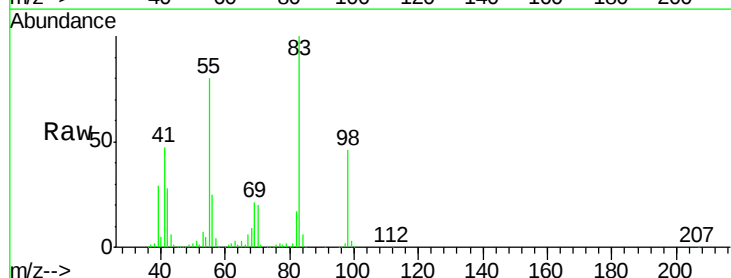
Manual Integrations
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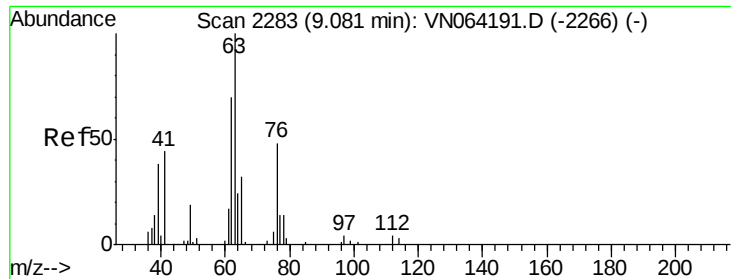
MMDadoda
 10/23/2020 2:28:40 PM



#38
 Methylcyclohexane
 Concen: 112.524 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	484466		
55	79.0	40.3	120.9	
98	44.7	22.4	67.0	





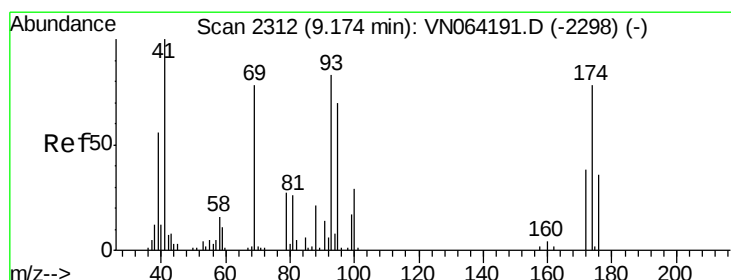
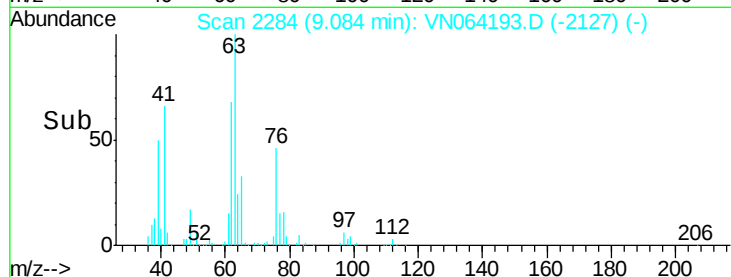
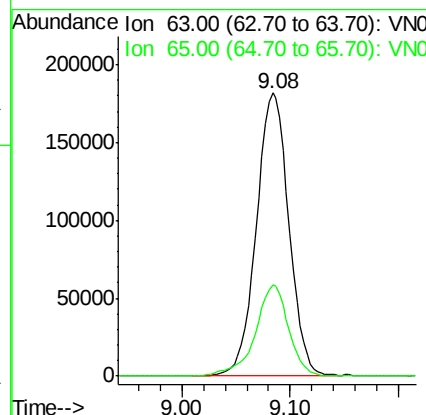
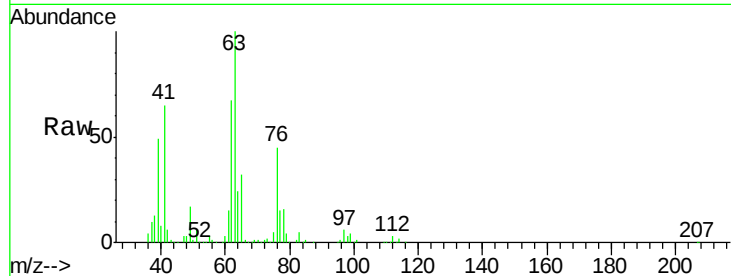
#39
 1,2-Dichloropropane
 Concen: 100.158 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 63 Resp: 380410
 Ion Ratio Lower Upper
 63 100
 65 32.2 26.5 39.7

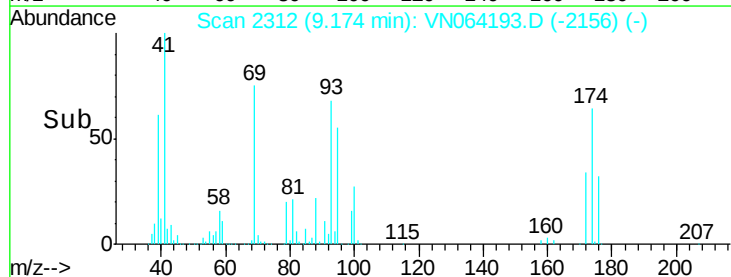
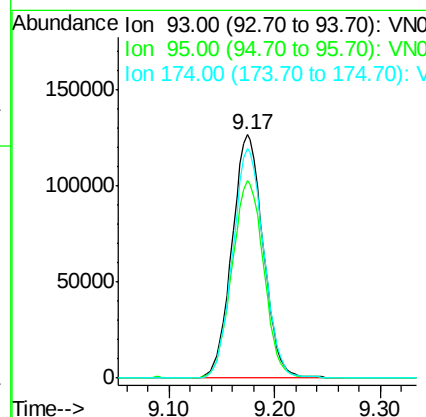
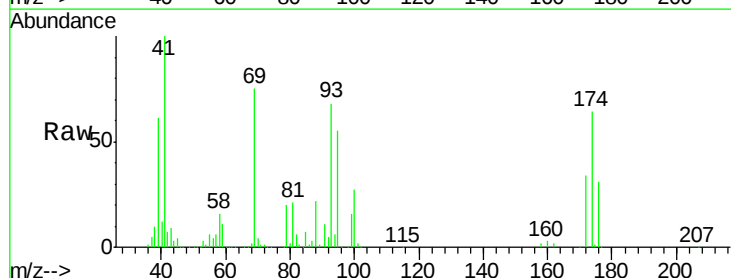
Manual Integrations
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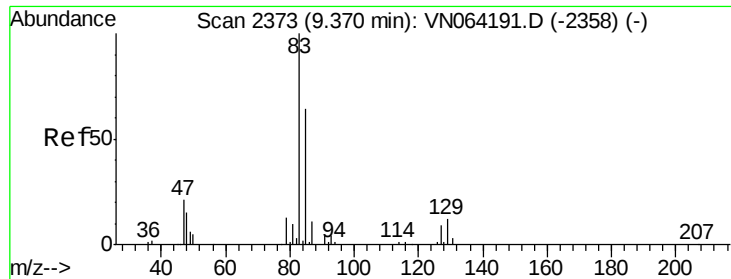
MMDadoda
 10/23/2020 2:28:40 PM



#40
 Dibromomethane
 Concen: 98.050 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion: 93 Resp: 259111
 Ion Ratio Lower Upper
 93 100
 95 82.0 0.0 169.2
 174 93.9 0.0 187.4





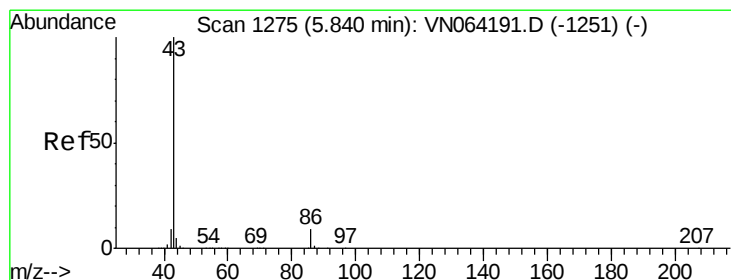
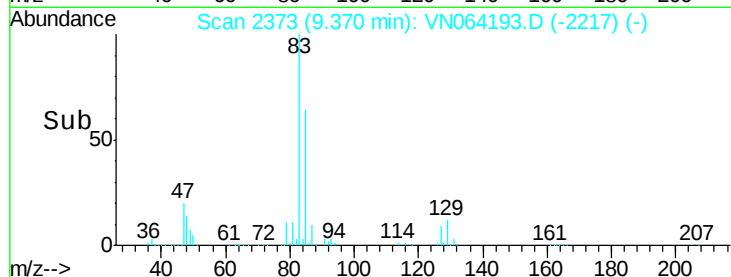
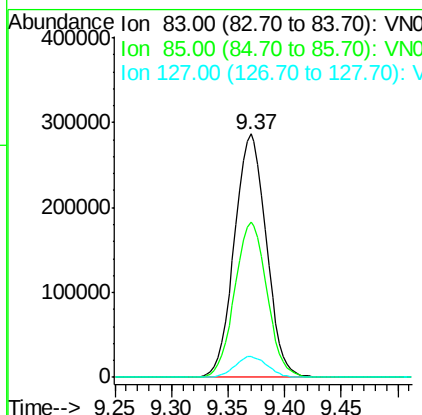
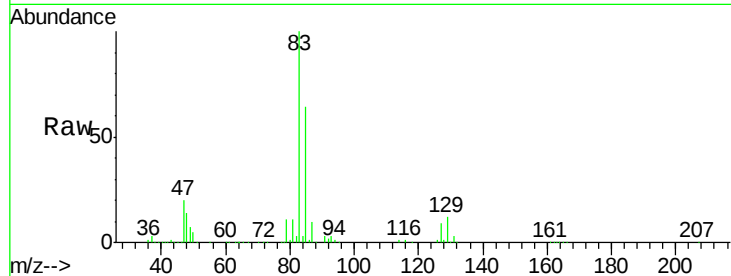
#41
Bromodichloromethane
Concen: 101.507 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	565966
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	51.5	77.3
127	8.7	6.8	10.2

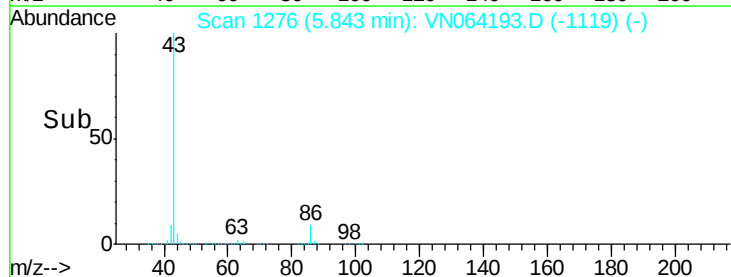
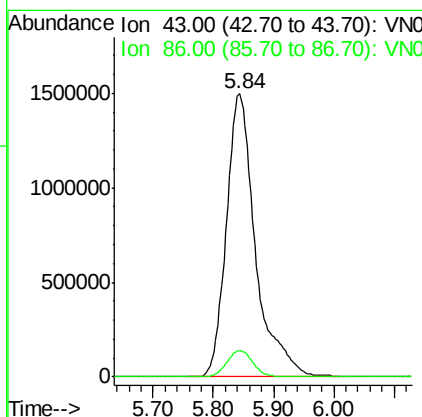
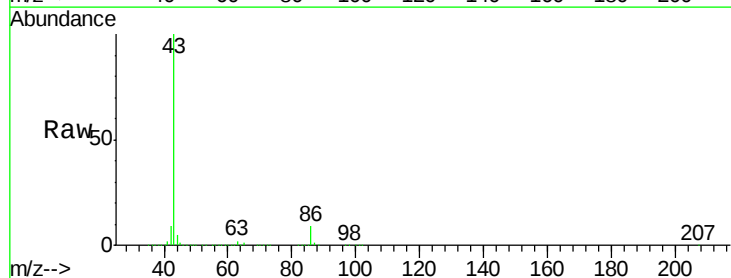
Manual Integrations
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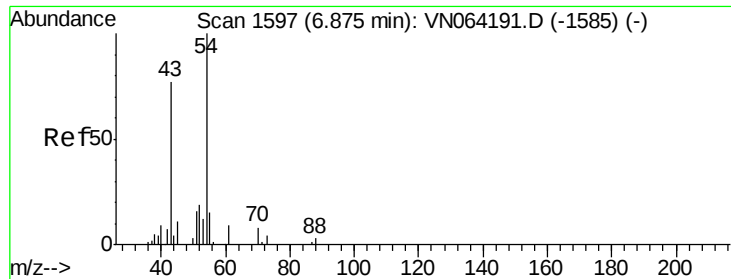
MMDadoda
10/23/2020 2:28:40 PM



#42
Vinyl Acetate
Concen: 500.987 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	43	Resp	5038350
Ion Ratio	100	Lower	Upper
43	100		
86	8.3	6.7	10.1





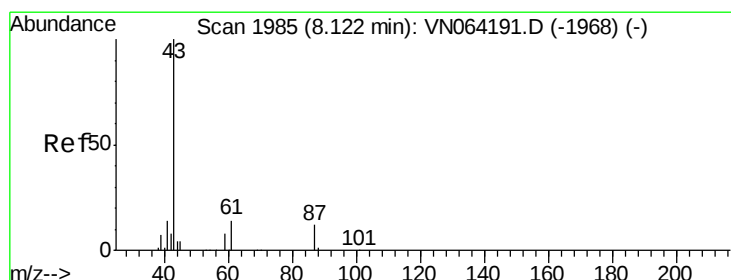
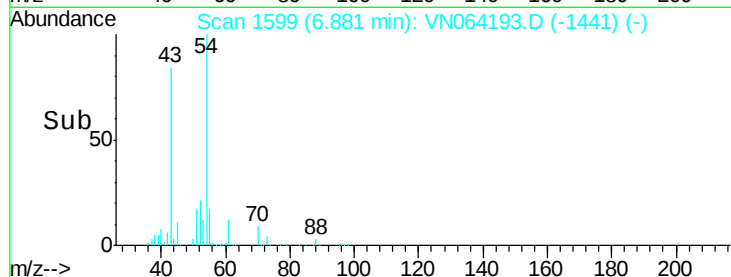
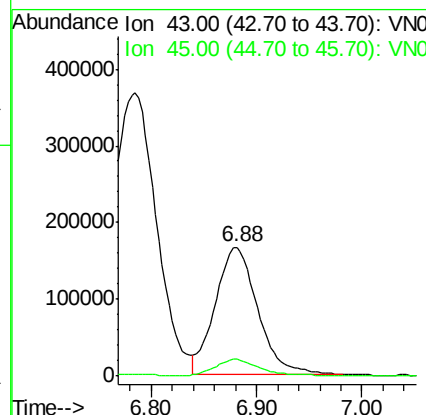
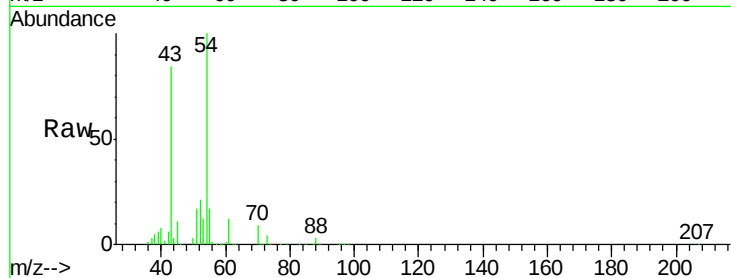
#43
Ethyl Acetate
Concen: 90.923 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	43	45	Ratio	Lower	Upper
43	100				
45	13.8		9.8	14.8	

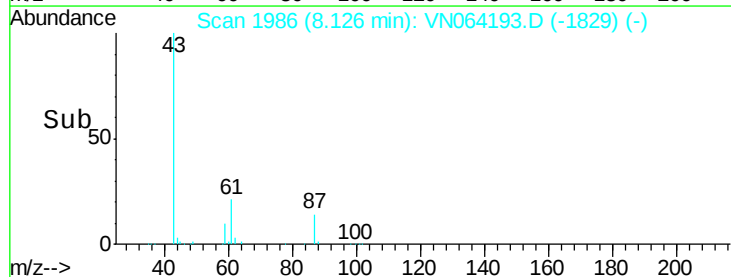
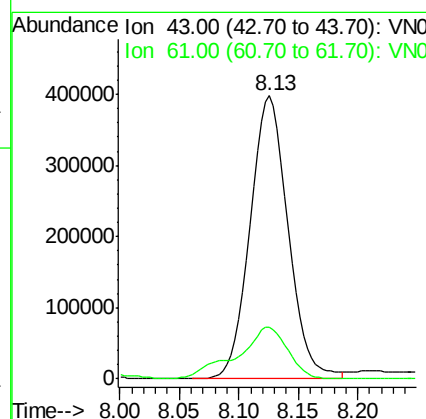
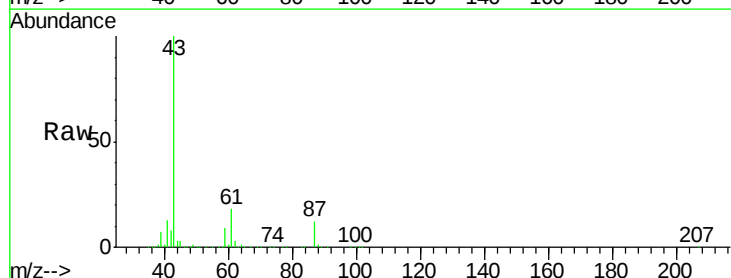
Manual Integrations
APPROVED

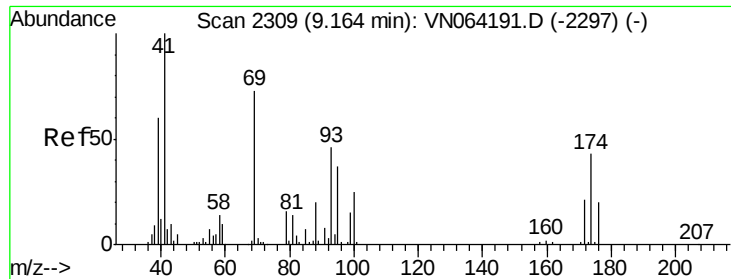
MMDadoda
10/23/2020 2:28:40 PM



#44
Isopropyl Acetate
Concen: 101.633 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	43	61	Ratio	Lower	Upper
43	100				
61	18.5		18.7	28.1	





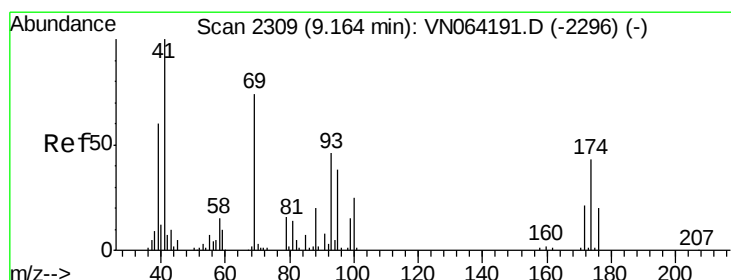
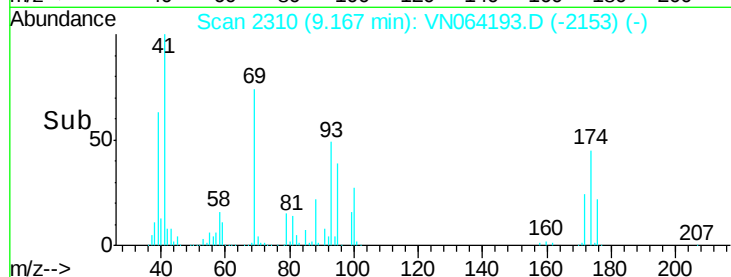
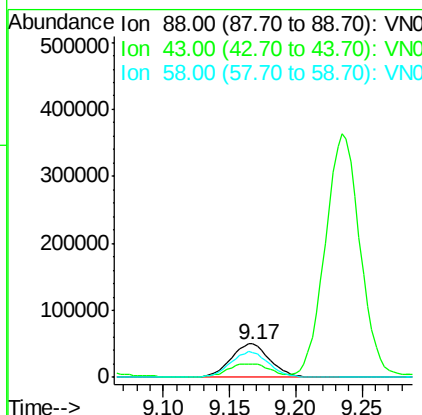
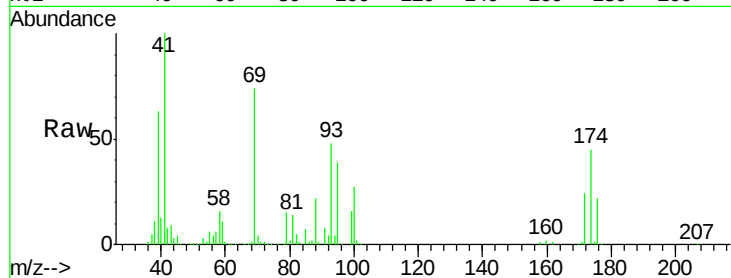
#45
1,4-Dioxane
Concen: 1905.024 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	39.0		37.0	55.4
58	75.0		62.4	93.6

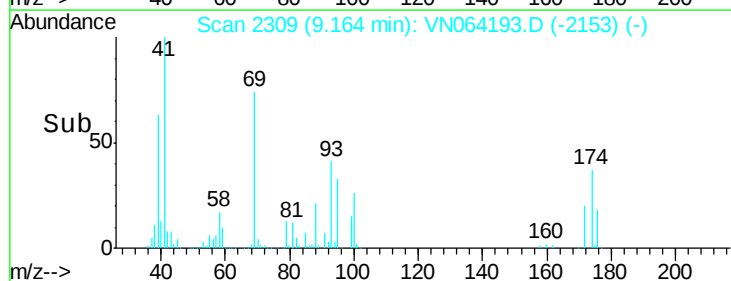
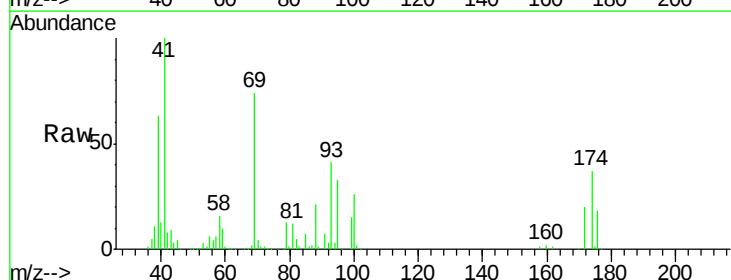
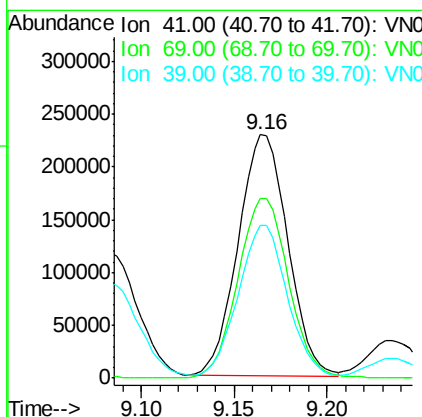
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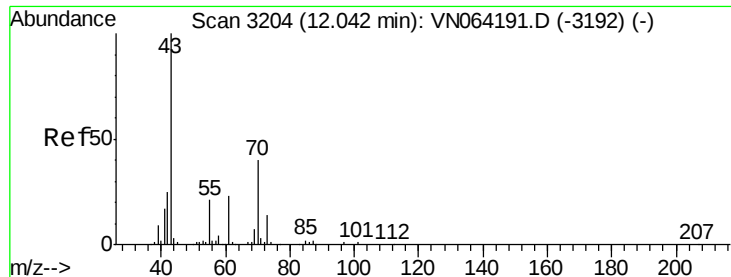
MMDadoda
10/23/2020 2:28:40 PM



#46
Methyl methacrylate
Concen: 99.776 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	74.3		36.8	110.4
39	62.3		30.4	91.2





#47

n-amvl Acetate

Concen: 103.212 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 794986

Ion Ratio Lower Upper

43 100

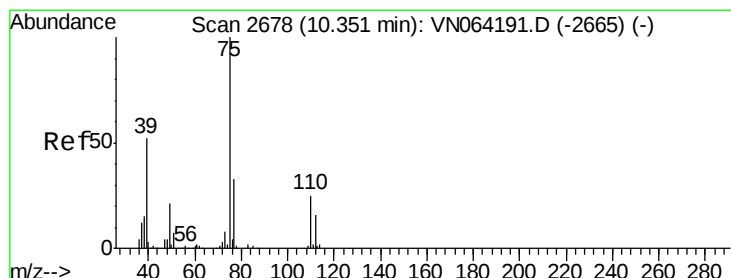
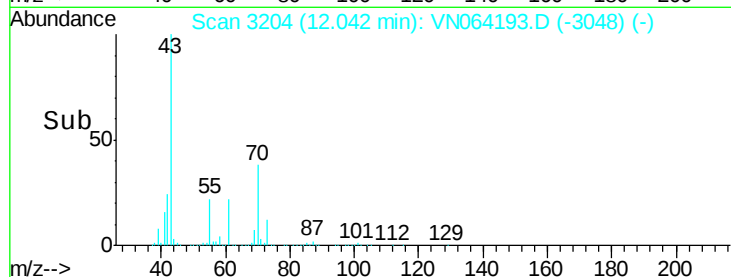
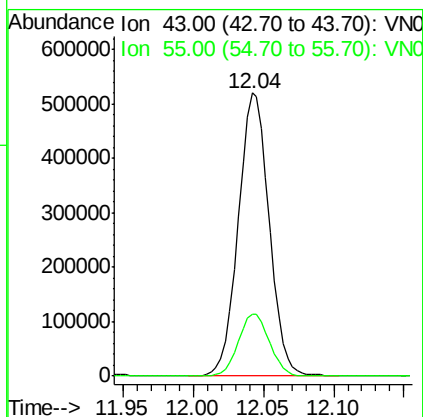
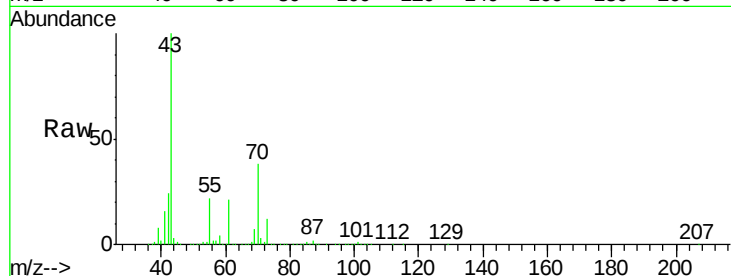
55 22.1 17.6 26.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 108.071 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN064193.D

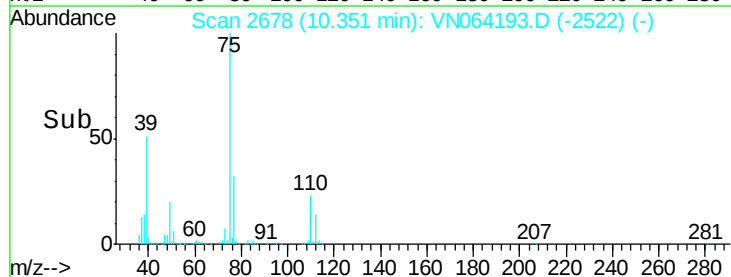
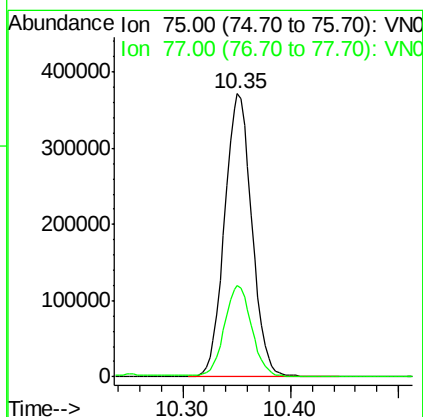
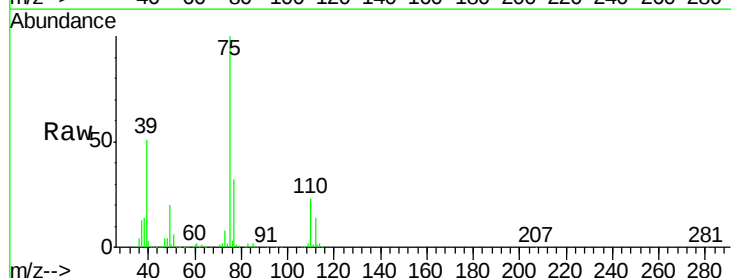
Acq: 20 Oct 2020 11:11

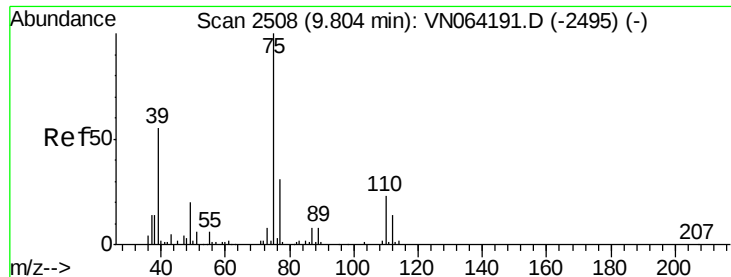
Tgt Ion: 75 Resp: 655500

Ion Ratio Lower Upper

75 100

77 32.2 27.4 41.2





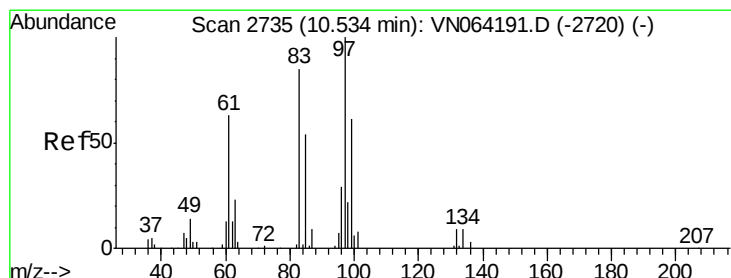
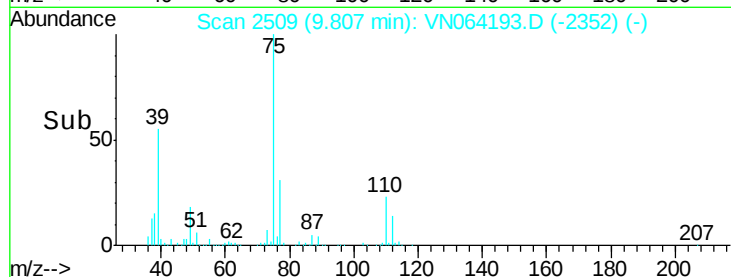
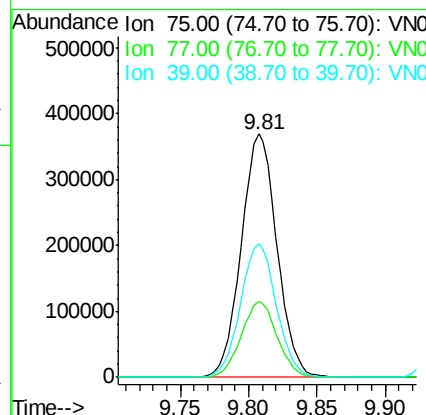
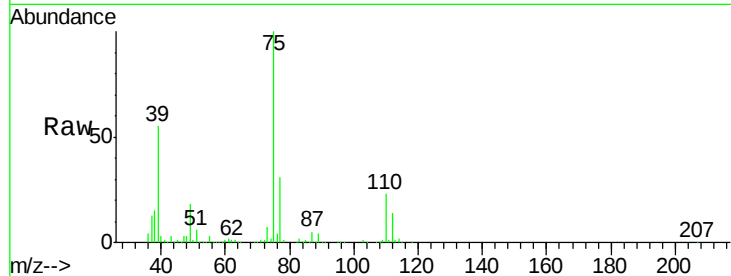
#49
 cis-1,3-Dichloropropene
 Concen: 106.365 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.5	36.7
39	54.7	43.8	65.8

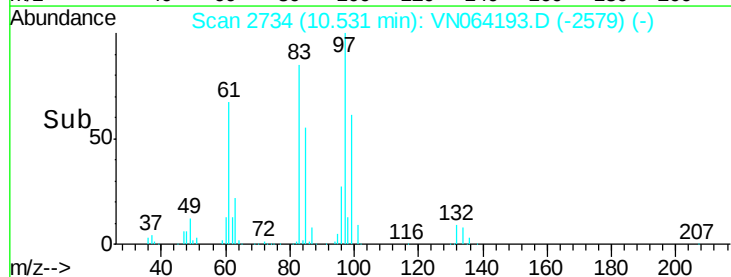
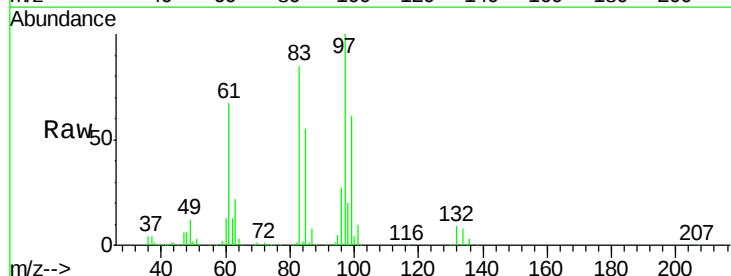
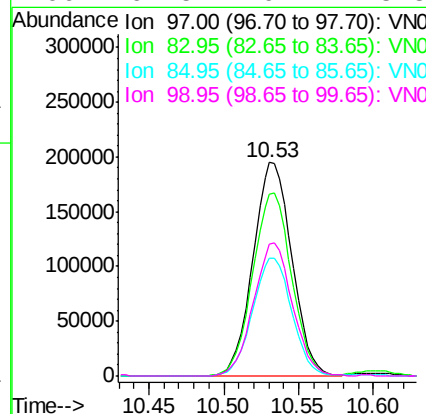
Manual Integrations
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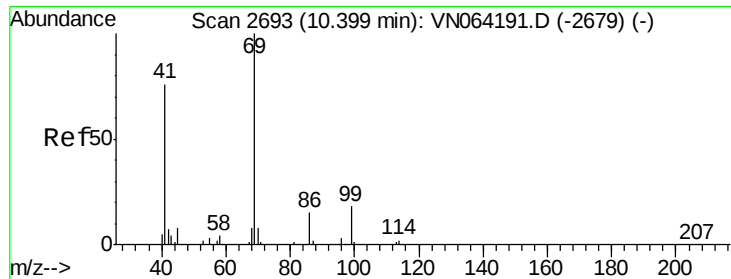
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#50
 1,1,2-Trichloroethane
 Concen: 98.751 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.7	101.5
85	55.3	43.2	64.8
99	61.5	49.2	73.8





#51

Ethyl methacrylate

Concen: 106.694 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

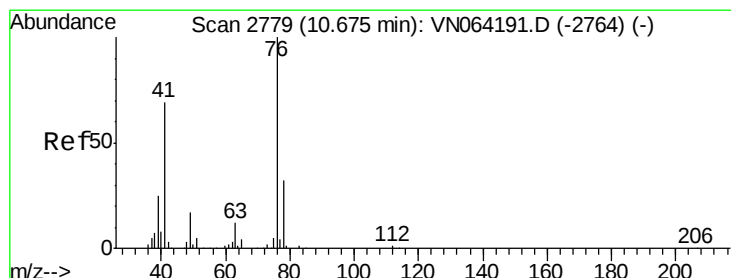
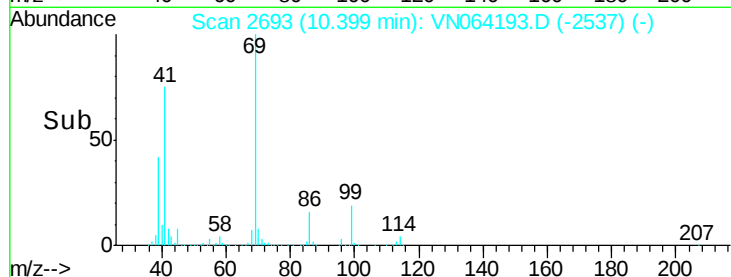
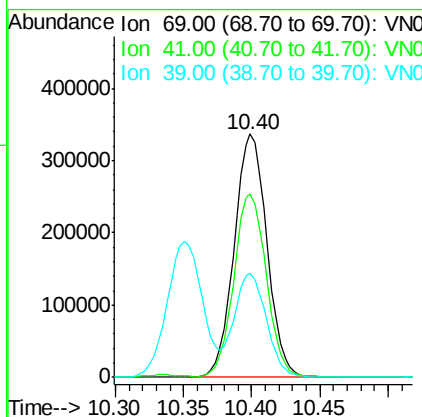
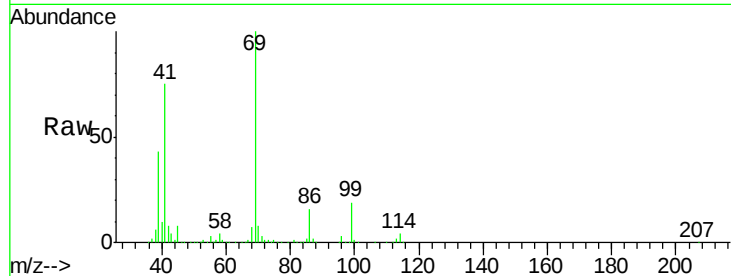
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	561002
Ion	Ratio	Lower	Upper
69	100		
41	75.0	38.0	114.1
39	42.4	21.4	64.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 100.147 ug/l

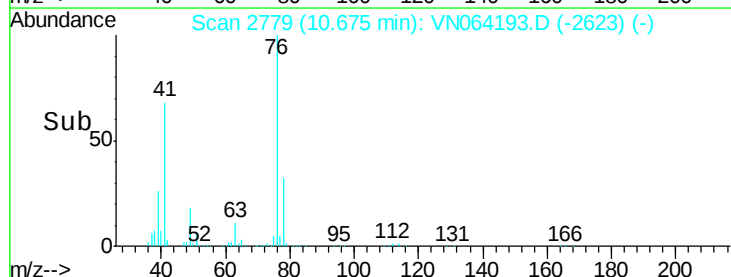
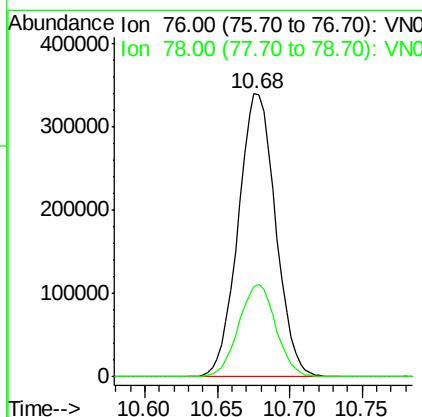
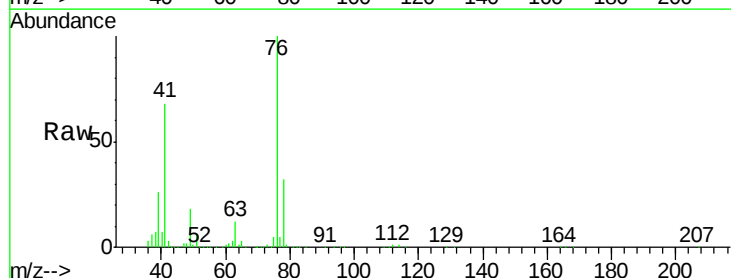
RT: 10.68 min Scan# 2779

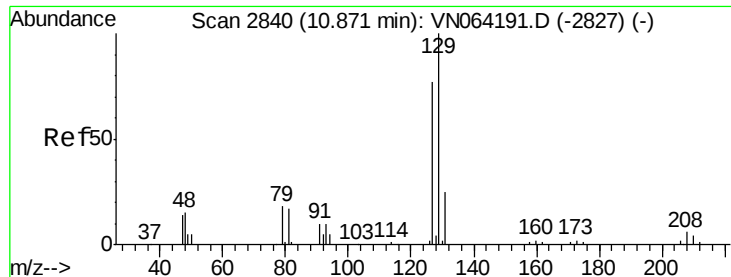
Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Tgt Ion:	76	Resp:	612233
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	64.4





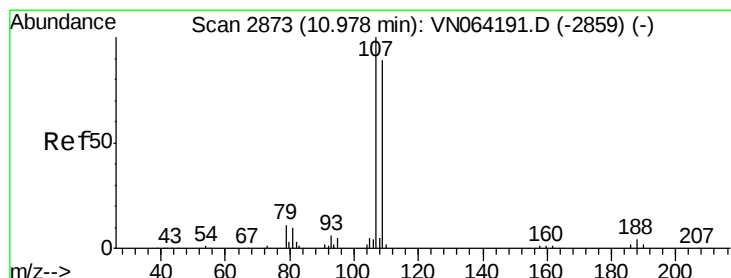
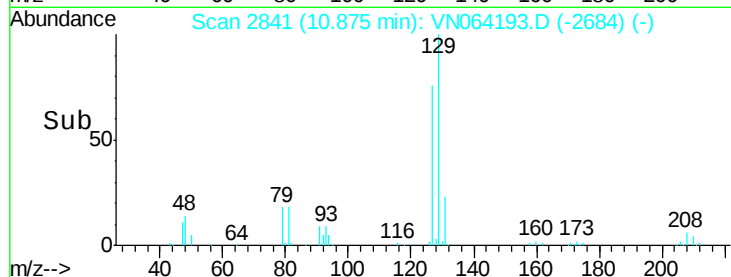
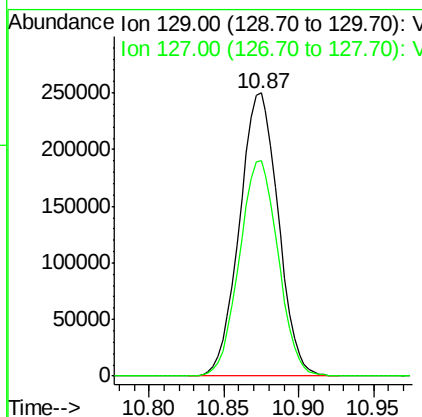
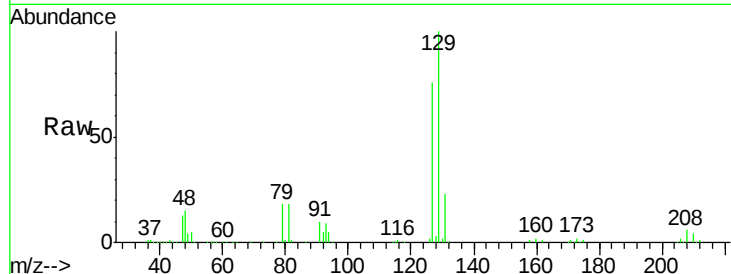
#53
 Dibromochloromethane
 Concen: 108.949 ug/l
 RT: 10.87 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:129 Resp: 451789
 Ion Ratio Lower Upper
 129 100
 127 76.1 39.0 117.0

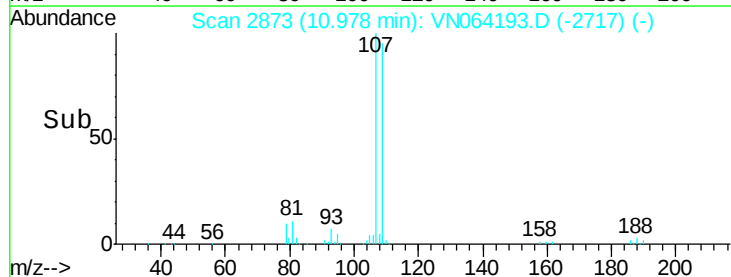
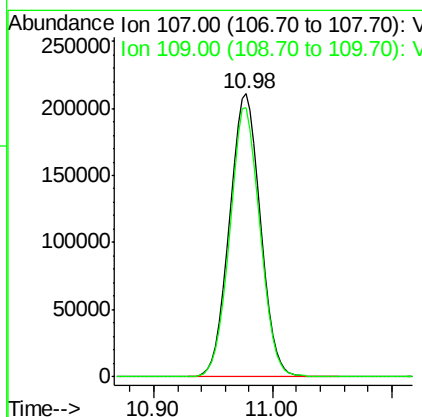
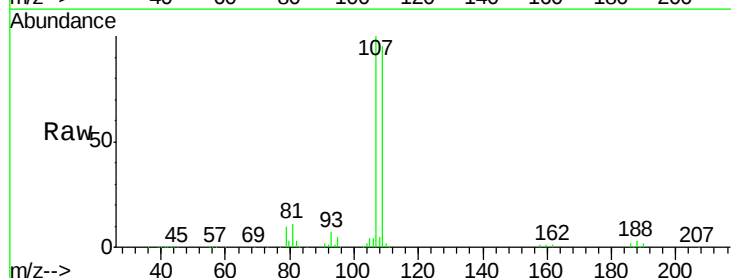
Manual Integrations
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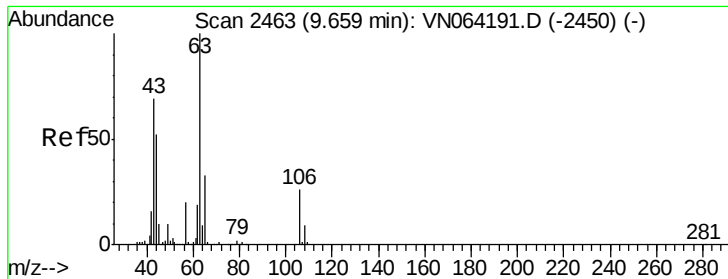
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#54
 1,2-Dibromoethane
 Concen: 101.547 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion:107 Resp: 379325
 Ion Ratio Lower Upper
 107 100
 109 93.0 71.8 107.8





#55

2-Chloroethyl vinyl ether

Concen: 519.989 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1467589

Ion Ratio Lower Upper

63 100

65 32.1 25.9 38.9

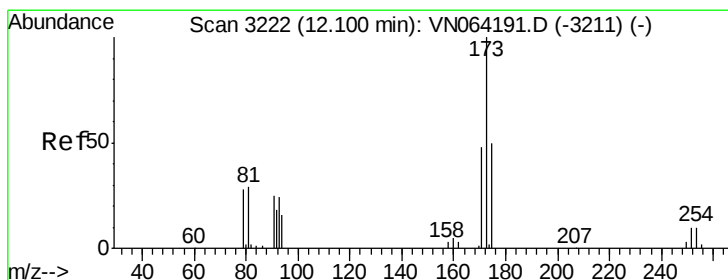
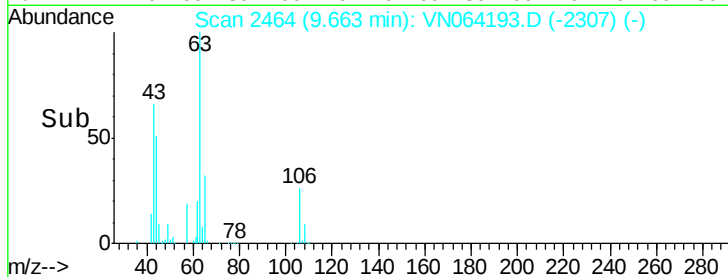
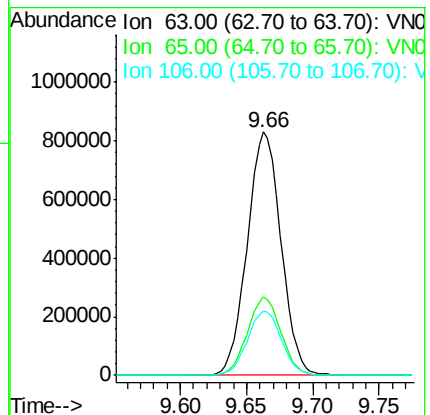
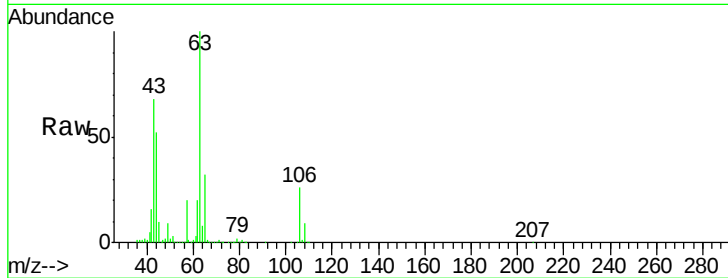
106 26.8 21.4 32.2

Manual Integrations

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#56

Bromoform

Concen: 109.724 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

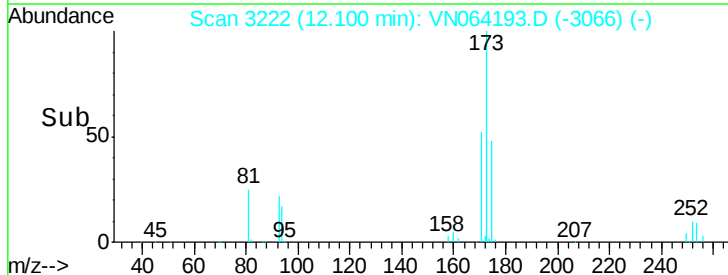
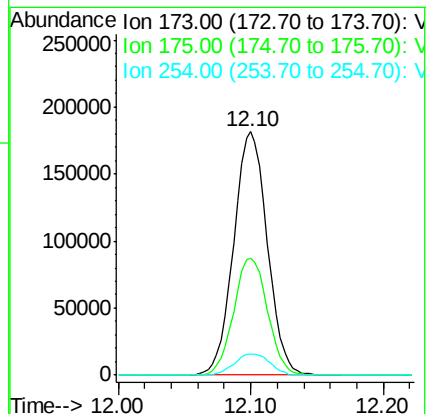
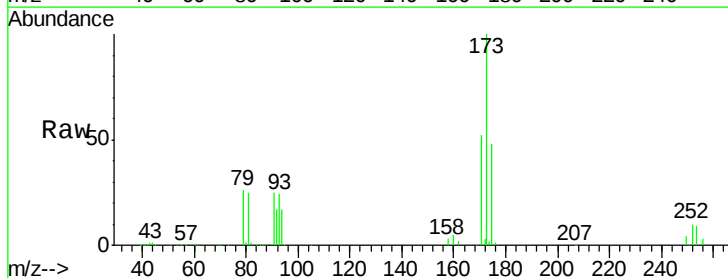
Tgt Ion: 173 Resp: 318742

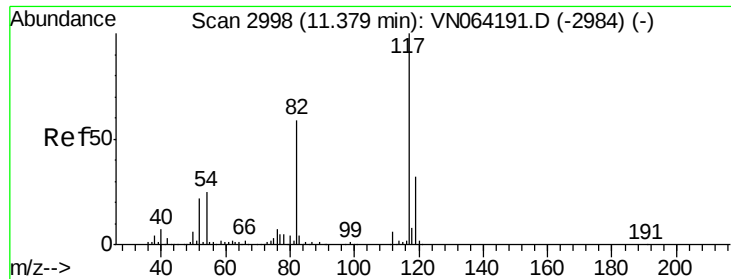
Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.4

254 9.0 6.8 10.2





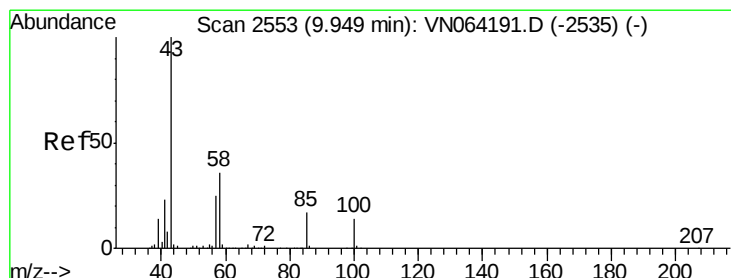
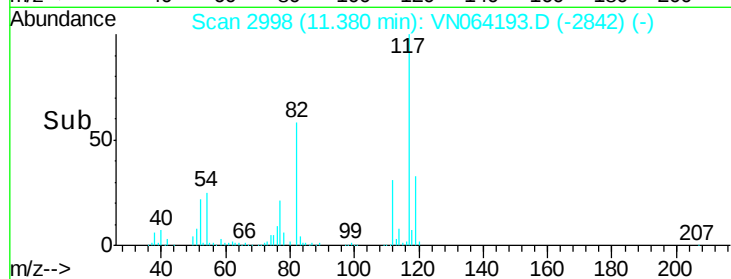
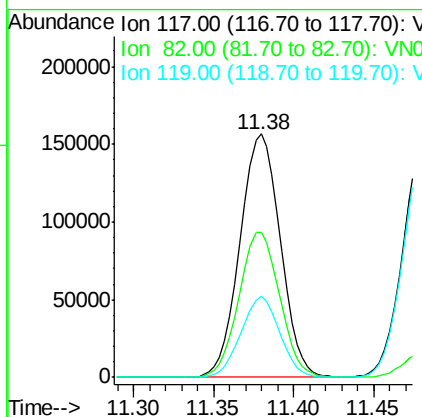
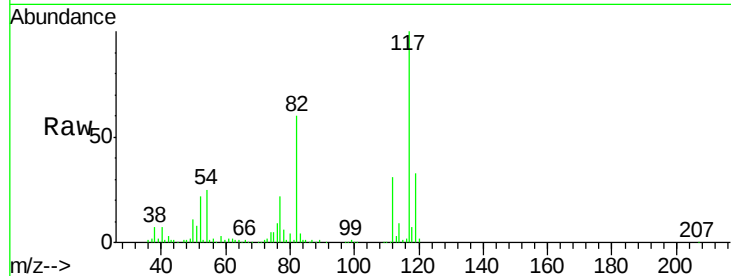
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	269715		
82	60.3	47.8	71.8	
119	31.9	25.7	38.5	

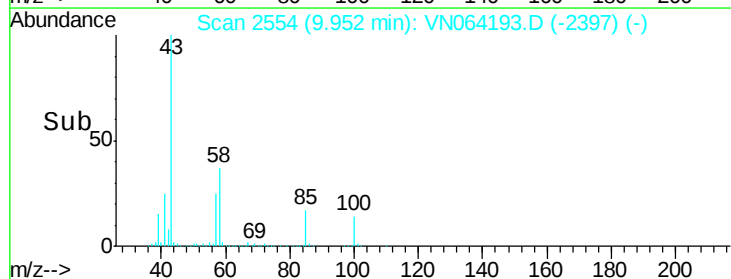
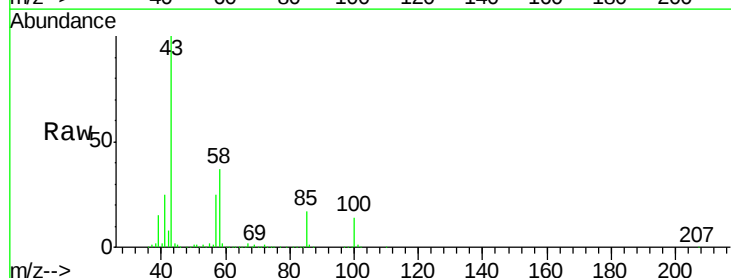
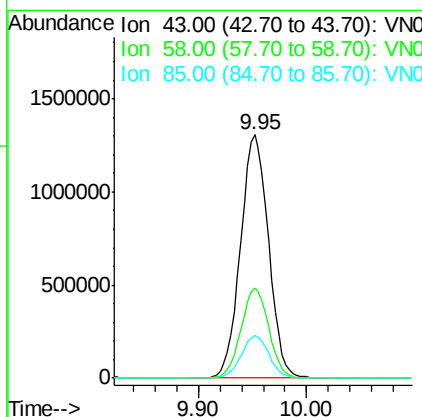
Manual Integrations
APPROVED

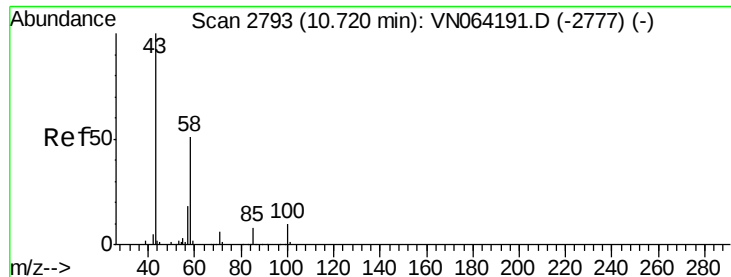
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 480.699 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	2356804		
58	36.7	29.5	44.3	
85	17.4	13.7	20.5	





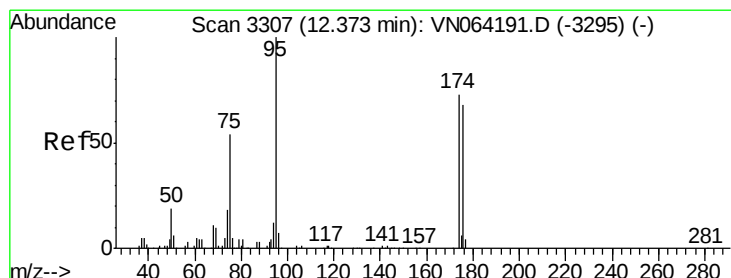
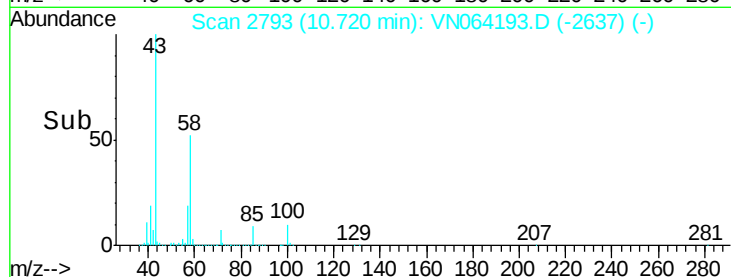
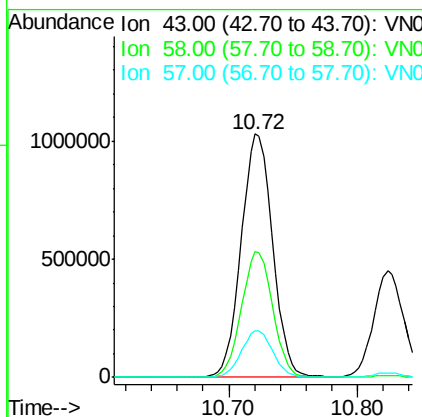
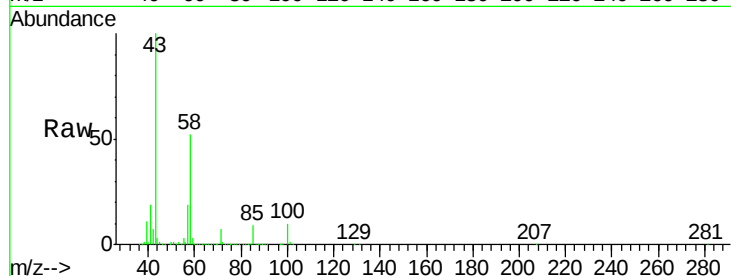
#59
2-Hexanone
Concen: 475.757 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	40.2	60.4
57	19.2	14.8	22.2

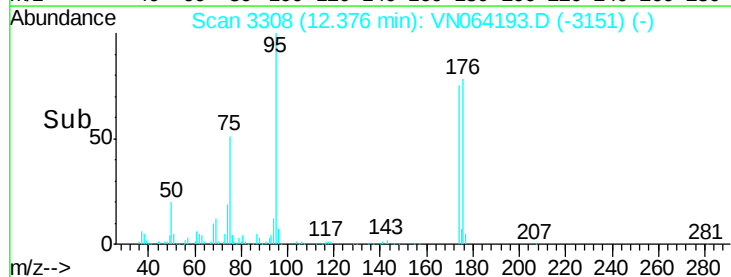
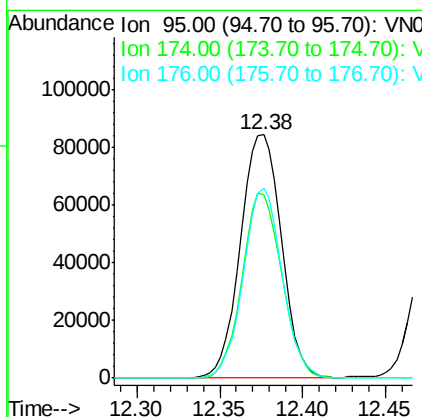
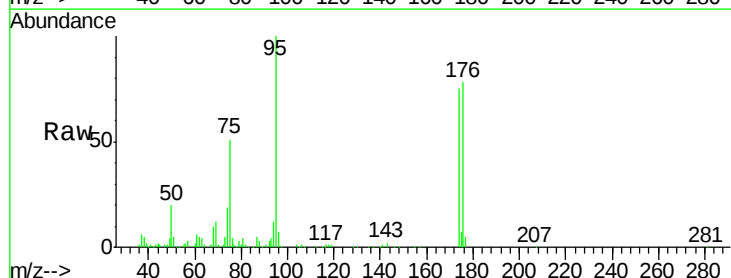
Manual Integrations
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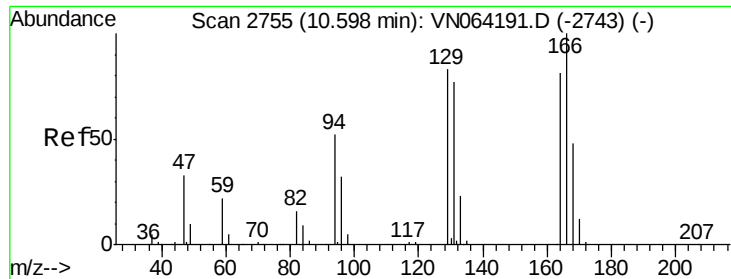
MMDadoda
10/23/2020 2:28:40 PM



#60
4-Bromofluorobenzene
Concen: 31.012 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.2	57.6	86.4
176	73.7	54.9	82.3





#61

Tetrachloroethene

Concen: 109.795 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

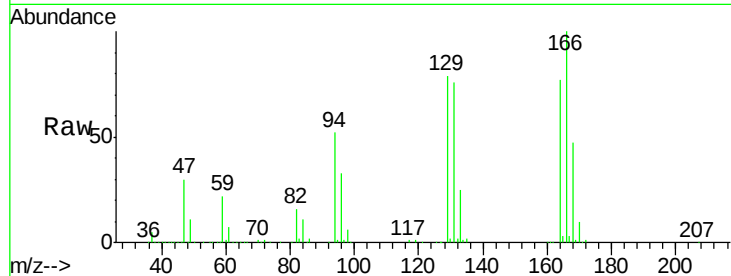
ClientSampleId :

VSTDIC100

Tot Ion	164	Resp	363441
Ion Ratio	Lower	Upper	
164	100		
166	130.7	99.2	148.8
129	103.4	82.8	124.2
131	98.9	76.2	114.4

Manual Integrations
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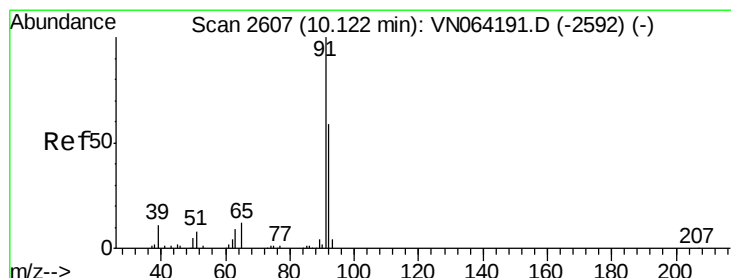
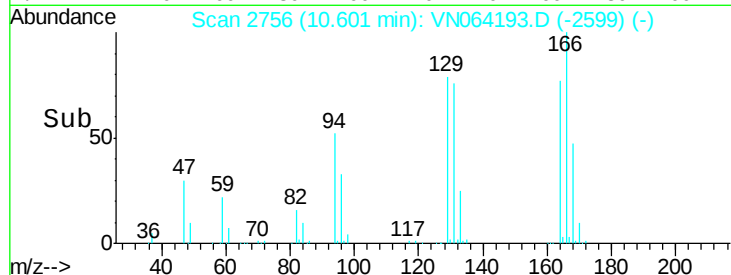
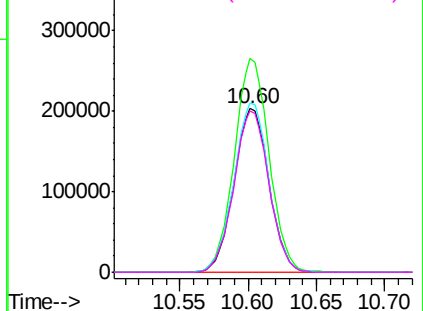


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 105.919 ug/l

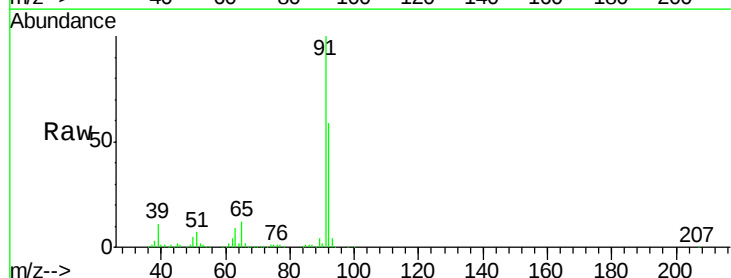
RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064193.D

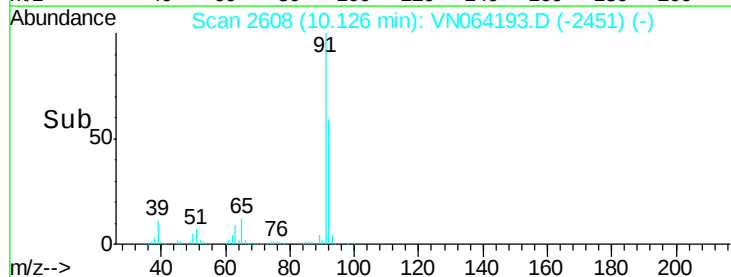
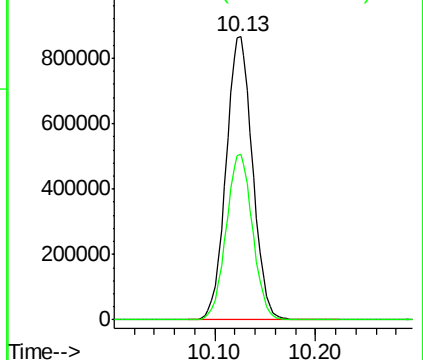
Acq: 20 Oct 2020 11:11

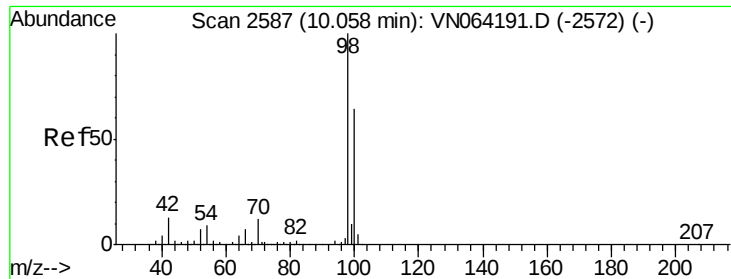
Tgt Ion	91	Resp	1582515
Ion Ratio	Lower	Upper	
91	100		
92	58.5	46.8	70.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





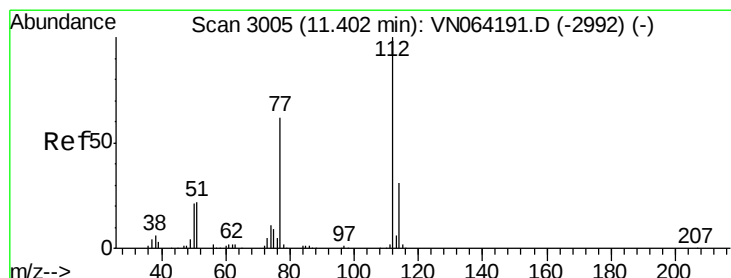
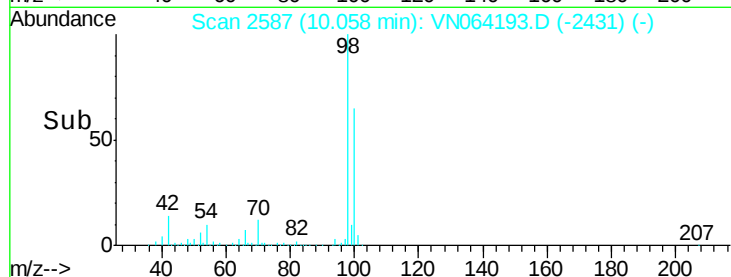
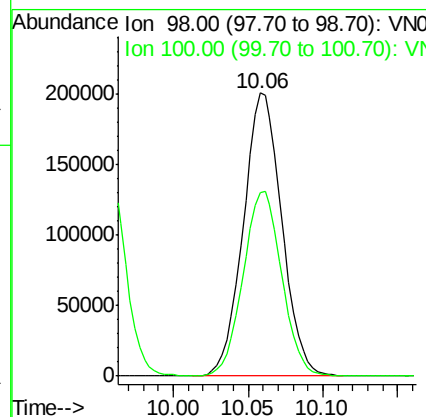
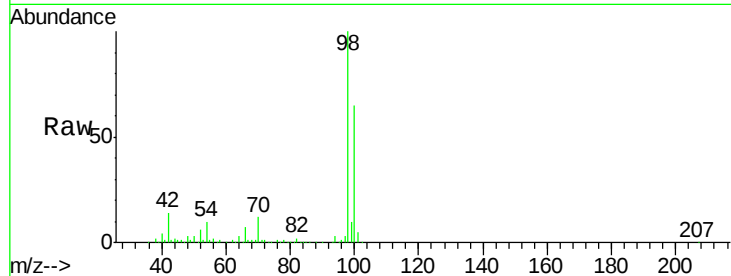
#63
Toluene-d8
Concen: 29.355 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 98 Resp: 359170
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.2

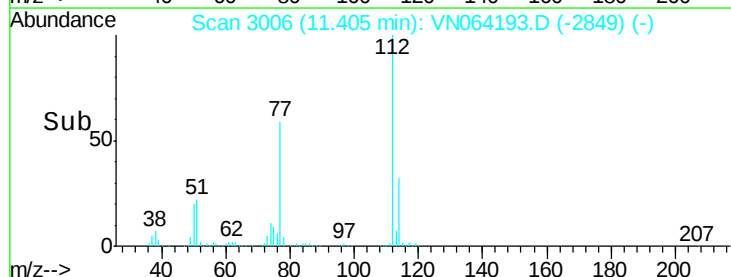
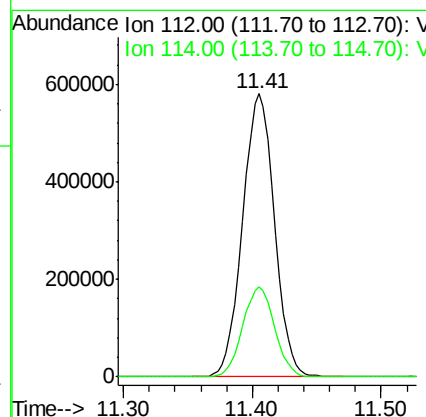
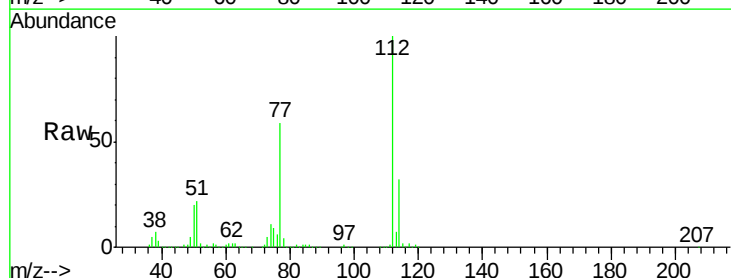
Manual Integrations
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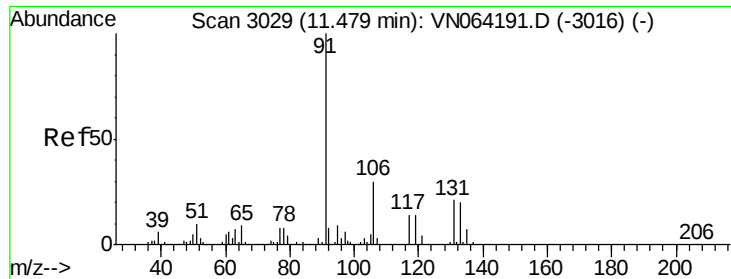
MMDadoda
10/23/2020 2:28:40 PM



#64
Chlorobenzene
Concen: 109.211 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion: 112 Resp: 995979
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 109.298 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

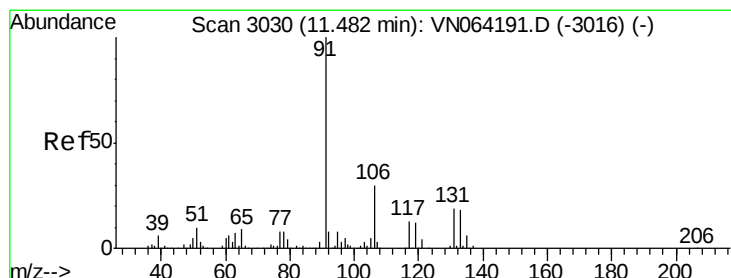
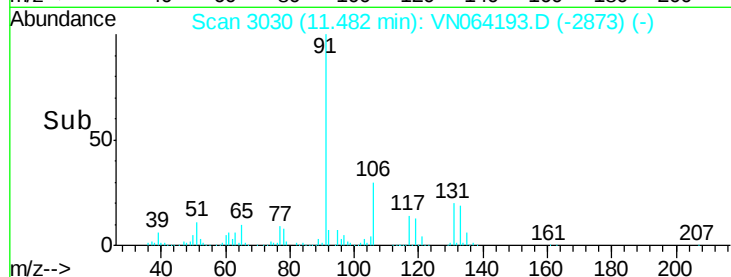
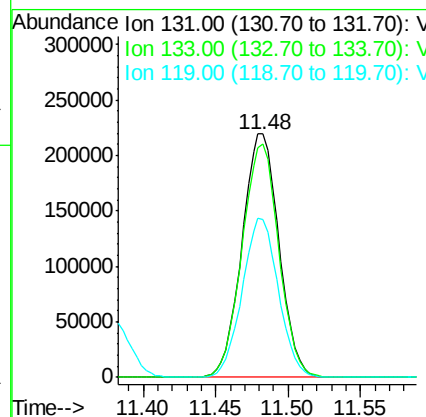
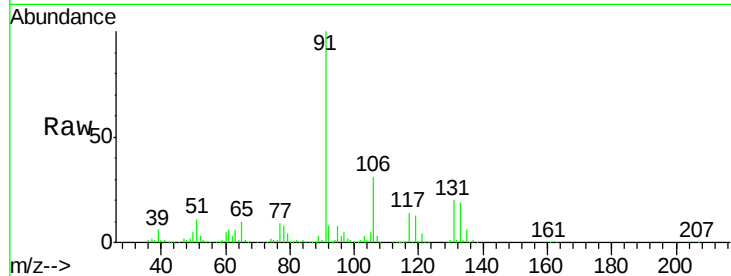
ClientSampleId :

VSTDIC100

Tot Ion:	131	Resp:	388521
Ion Ratio	Lower	Upper	
131	100		
133	95.4	0.0	193.0
119	64.2	0.0	132.2

Manual Integrations
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10/23/2020 2:28:40 PM



#66

Ethyl Benzene

Concen: 109.513 ug/l

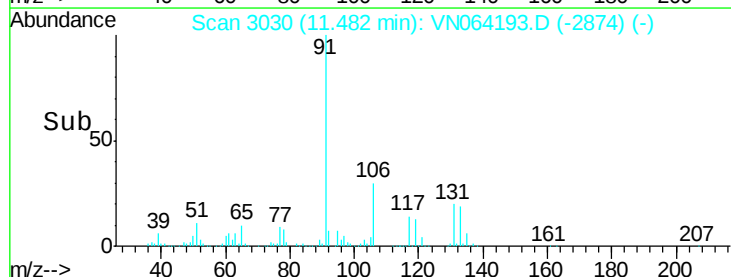
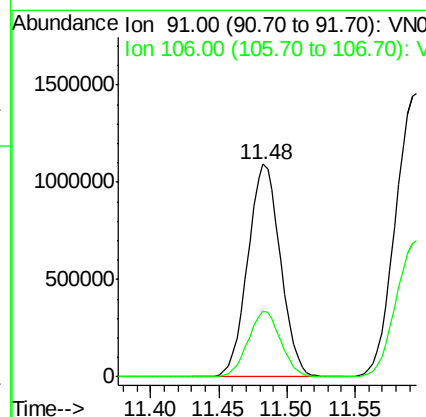
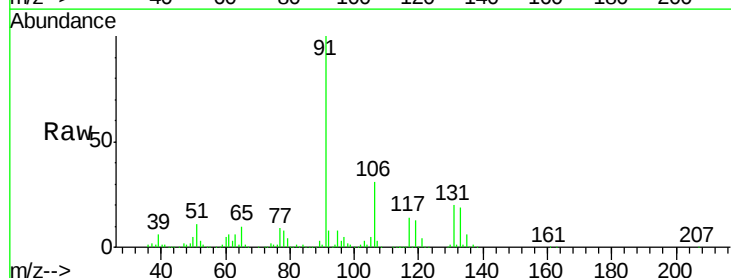
RT: 11.48 min Scan# 3030

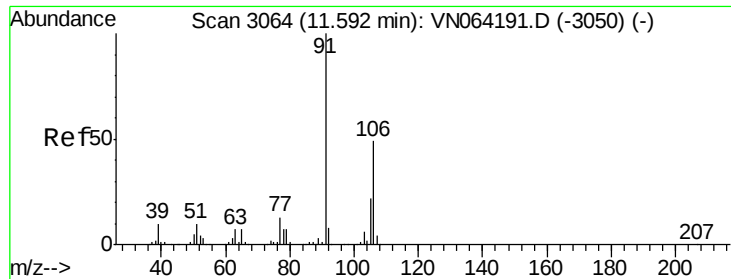
Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Tgt Ion:	91	Resp:	1821076
Ion Ratio	Lower	Upper	
91	100		
106	31.0	23.9	35.9





#67

m/p-Xylenes

Concen: 220.587 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:106 Resp: 1356304

Ion Ratio Lower Upper

106 100

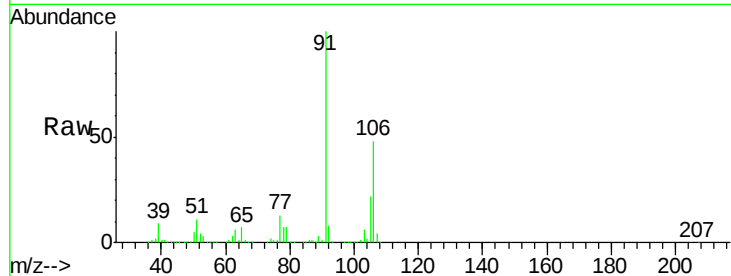
91 210.3 167.9 251.9

Manual Integrations

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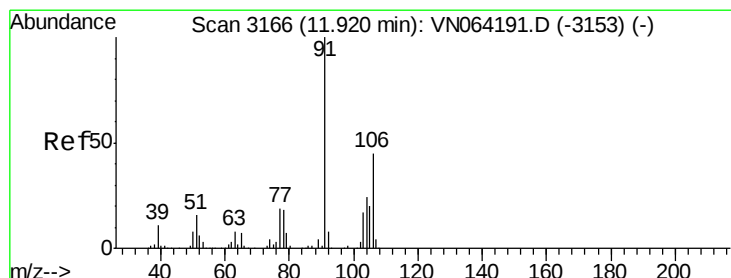
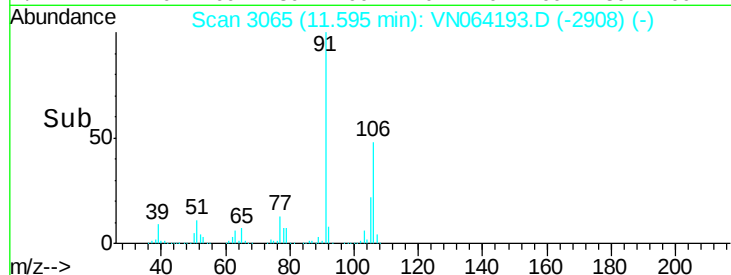
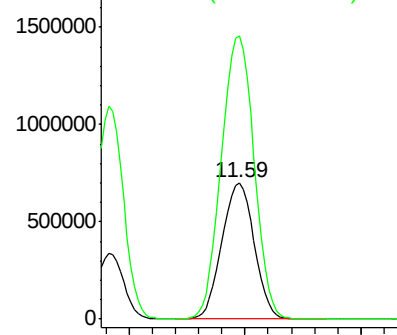
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 113.028 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN064193.D

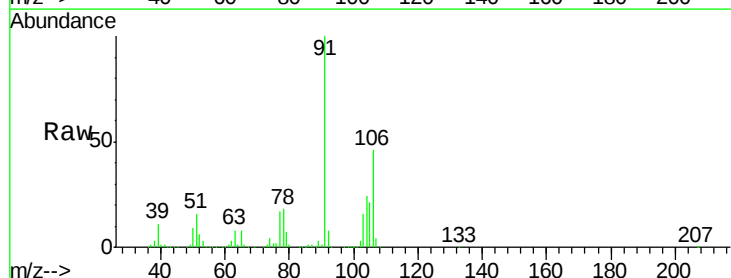
Acq: 20 Oct 2020 11:11

Tgt Ion:106 Resp: 664877

Ion Ratio Lower Upper

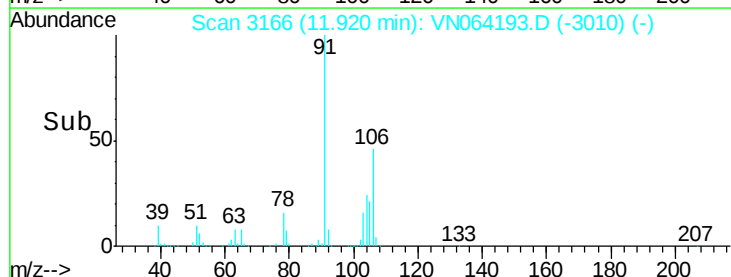
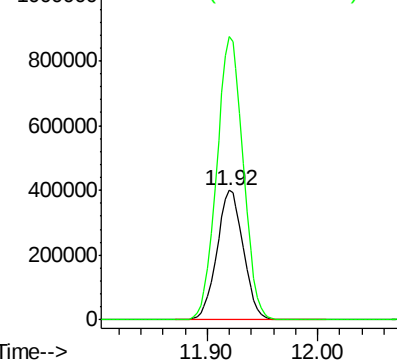
106 100

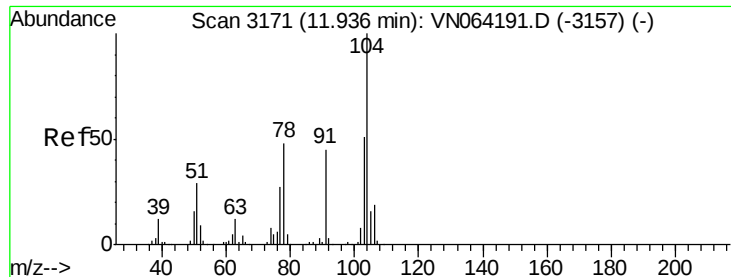
91 218.3 113.9 341.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





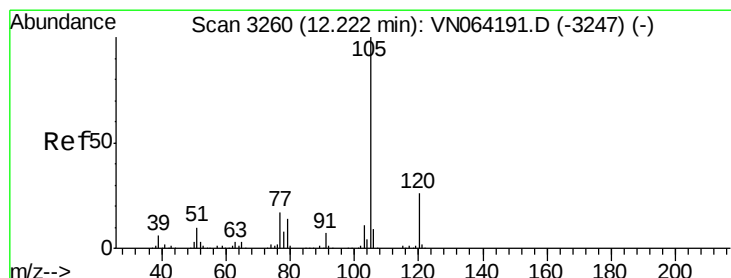
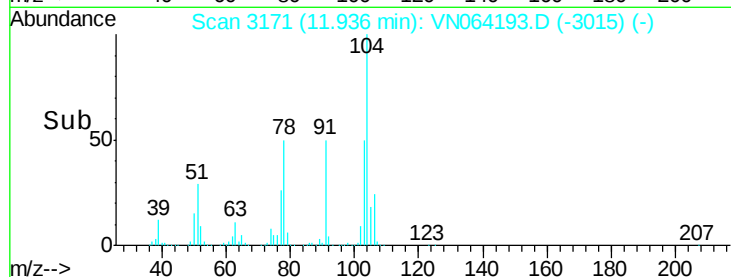
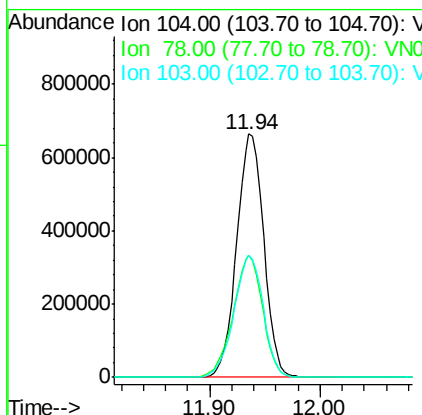
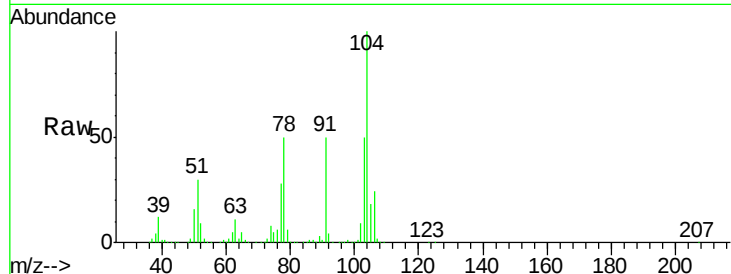
#69
Stvrene
Concen: 113.013 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.3	43.6	65.4
103	54.0	44.8	67.2

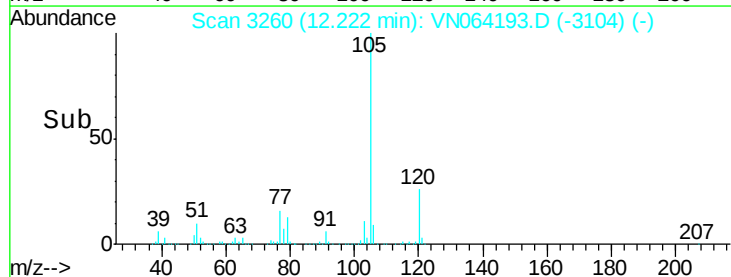
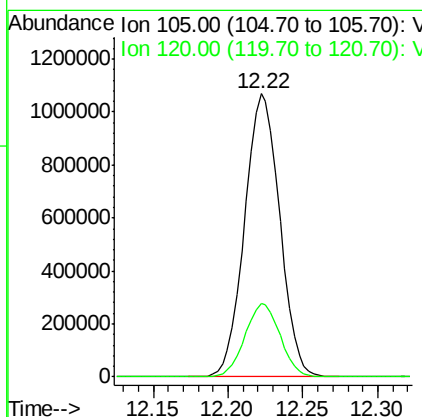
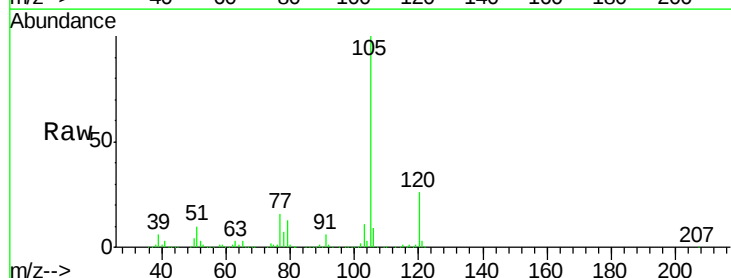
Manual Integrations
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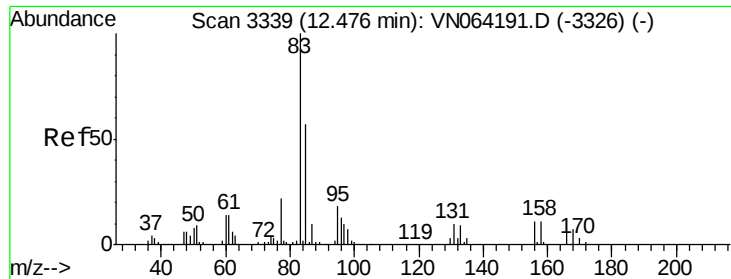
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10/23/2020 2:28:40 PM



#70
Isopropylbenzene
Concen: 111.491 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.1	33.7





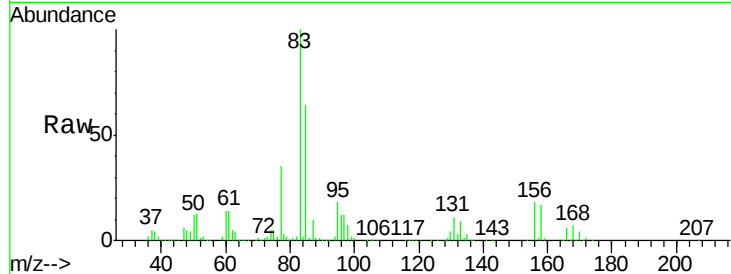
#71
 1,1,2,2-Tetrachloroethane
 Concen: 98.881 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

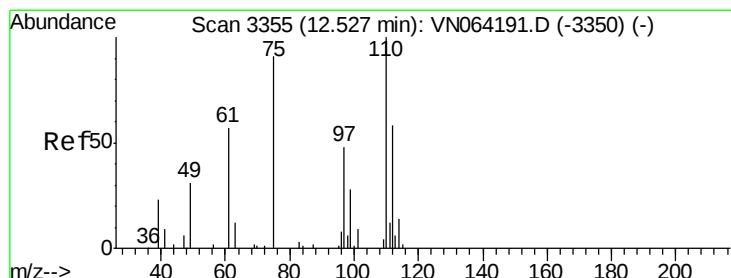
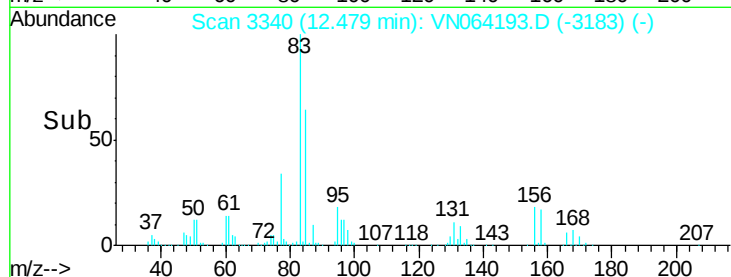
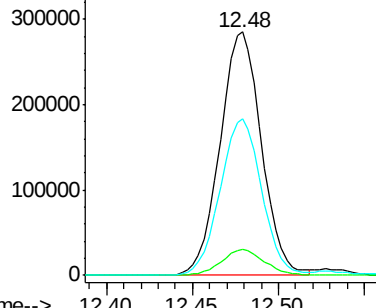
Tot Ion	83	Resp	475537
Ion Ratio	100	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	64.4	30.8	92.4

Manual Integrations
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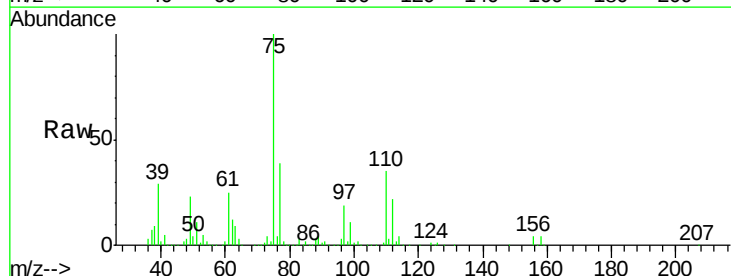


Abundance Ion 83.00 (82.70 to 83.70): VN064193.D (-3339) (-)

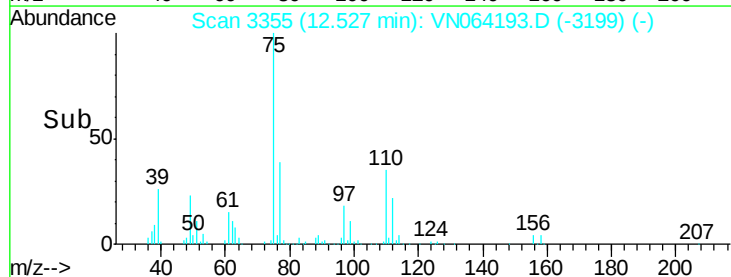
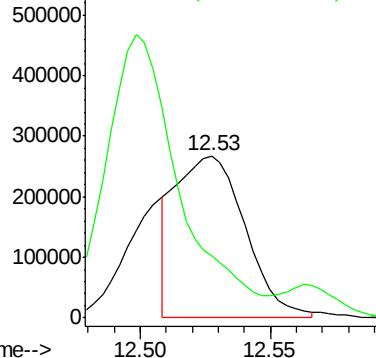


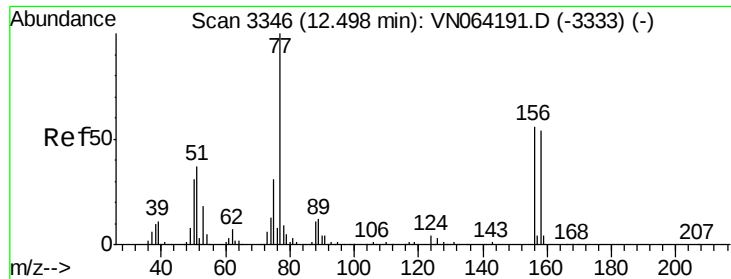
#72
 1,2,3-Trichloropropane
 Concen: 104.566 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion	75	Resp	502223
Ion Ratio	100	Lower	Upper
75	100		
77	184.8	0.0	417.6



Abundance Ion 75.00 (74.70 to 75.70): VN064193.D (-3355) (-)





#73

Bromobenzene

Concen: 106.055 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

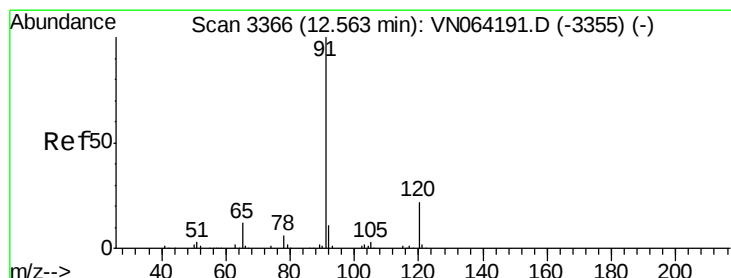
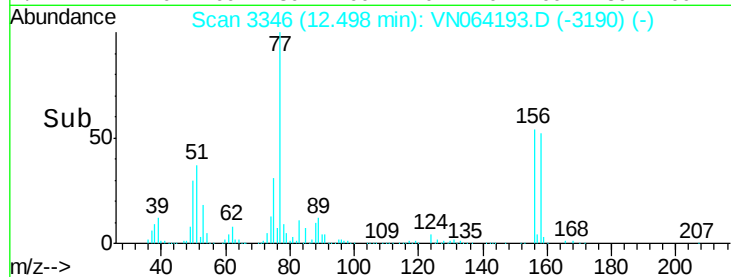
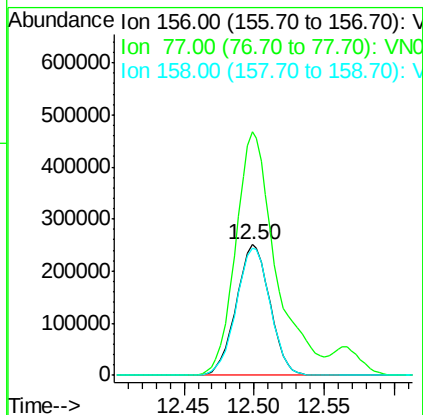
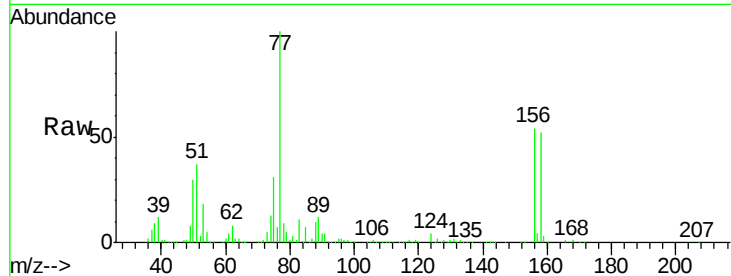
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	420899
Ion Ratio	Lower	Upper	
156	100		
77	220.6	0.0	429.8
158	98.2	0.0	190.6

Manual Integrations
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#74

n-propylbenzene

Concen: 110.553 ug/l

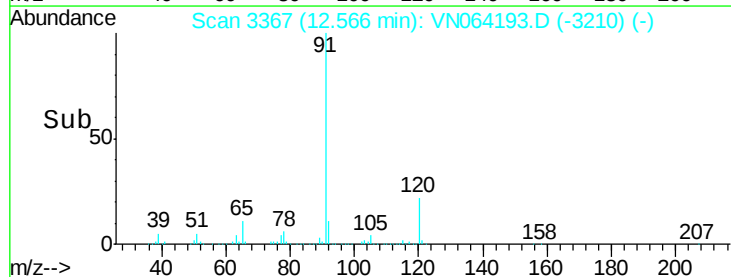
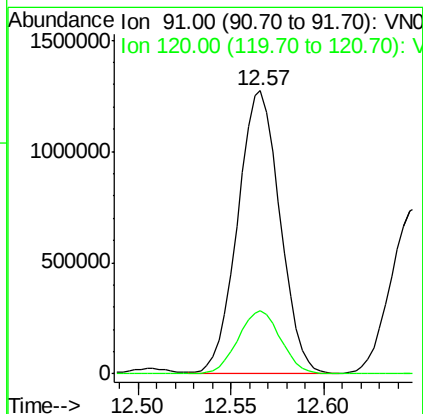
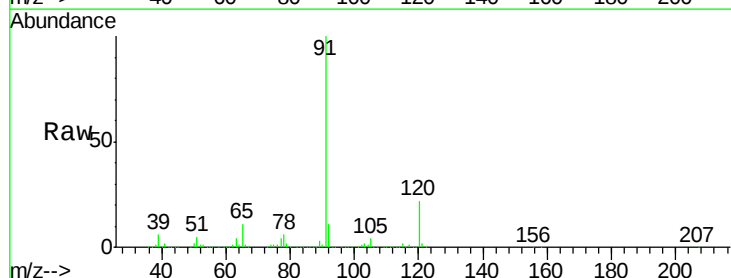
RT: 12.57 min Scan# 3367

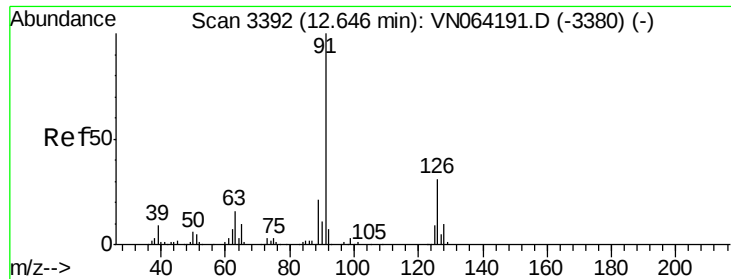
Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Tgt Ion:	91	Resp:	2015728
Ion Ratio	Lower	Upper	
91	100		
120	22.5	0.0	43.8





#75

2-Chlorotoluene

Concen: 111.054 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1236272

Ion Ratio Lower Upper

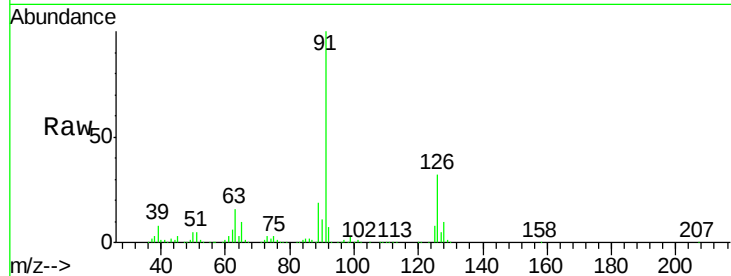
91 100

126 32.3 0.0 62.4

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Abundance Ion 91.00 (90.70 to 91.70): VN064193.D (-3392) (-)

Ion 126.00 (125.70 to 126.70): VN064193.D (-3392) (-)

1000000

800000

600000

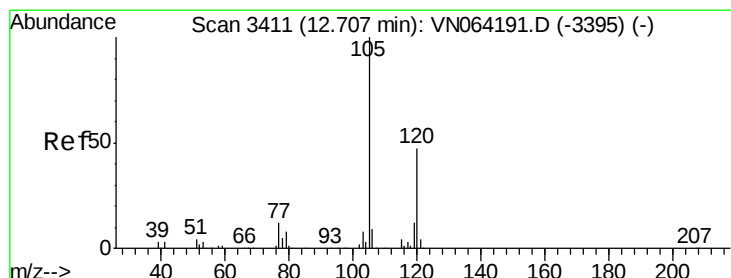
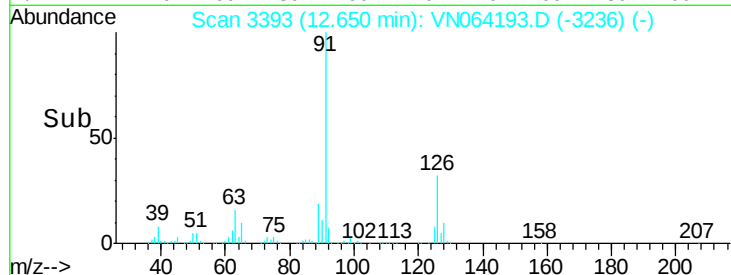
400000

200000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 113.740 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064193.D

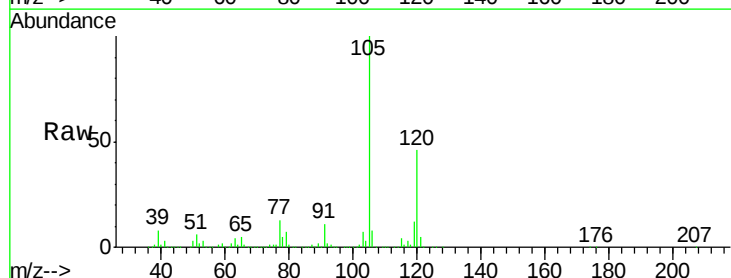
Acq: 20 Oct 2020 11:11

Tgt Ion: 105 Resp: 1504750

Ion Ratio Lower Upper

105 100

120 47.1 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064193.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064193.D (-3411) (-)

1000000

800000

600000

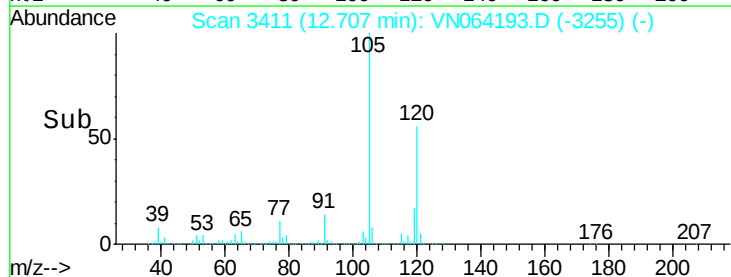
400000

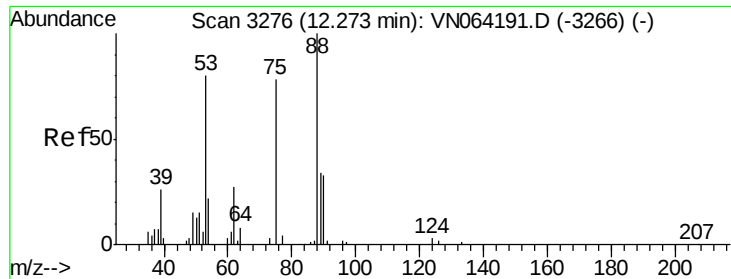
200000

0

12.60 12.70 12.80

Time-->





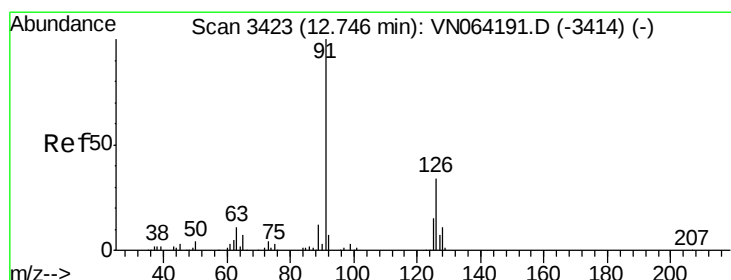
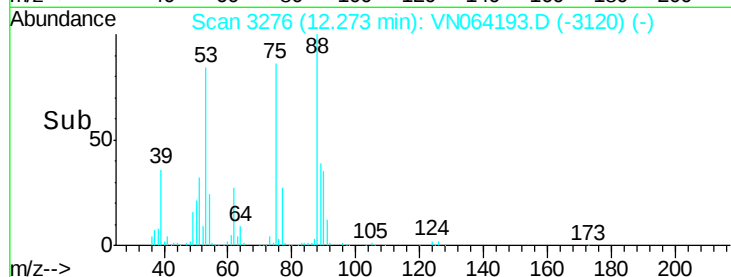
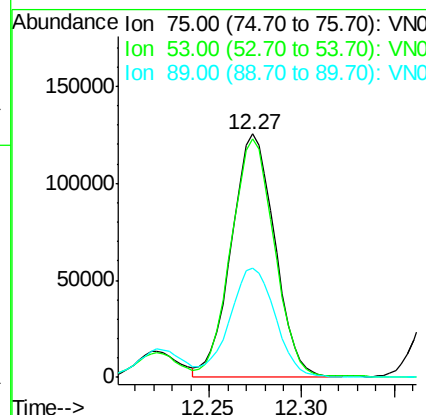
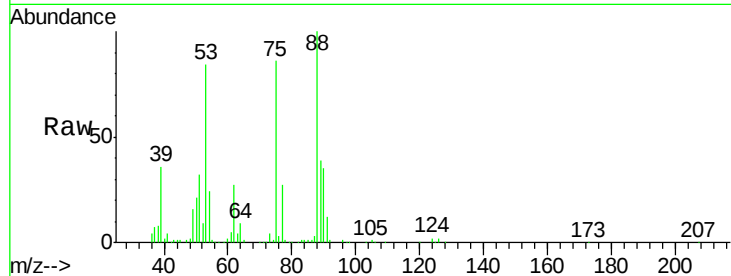
#77
t-1,4-Dichloro-2-butene
Concen: 113.549 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.9	51.4	154.2
89	44.9	23.8	71.5

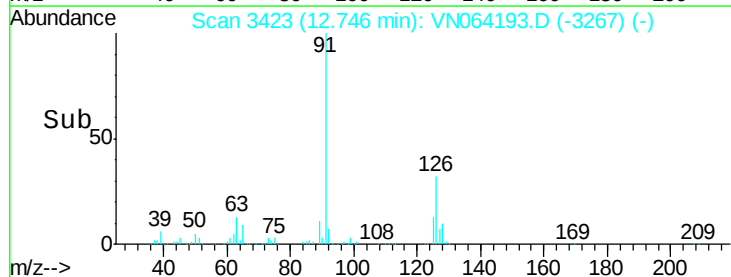
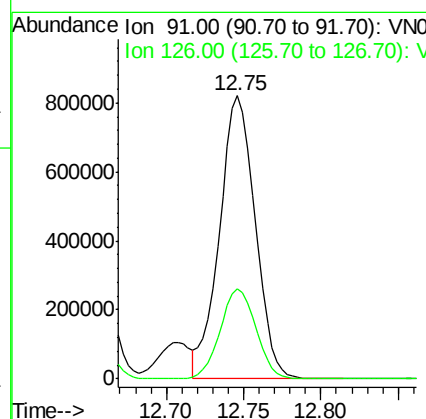
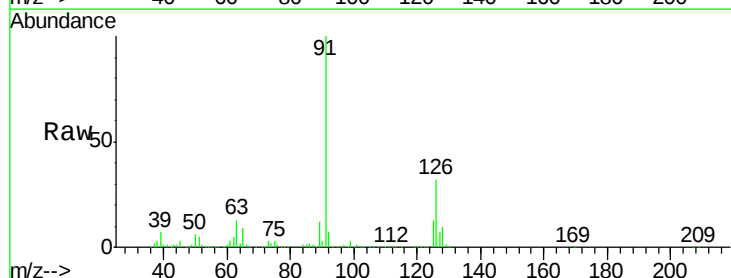
Manual Integrations
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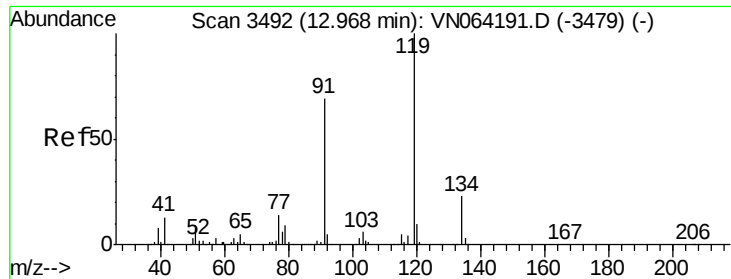
MMDadoda
10/23/2020 2:28:40 PM



#78
4-Chlorotoluene
Concen: 111.817 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	63.2





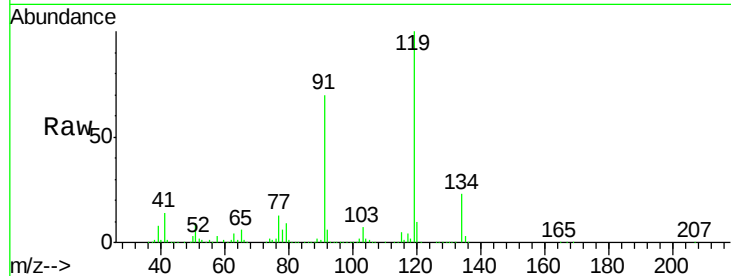
#79
tert-butylbenzene
Concen: 115.719 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

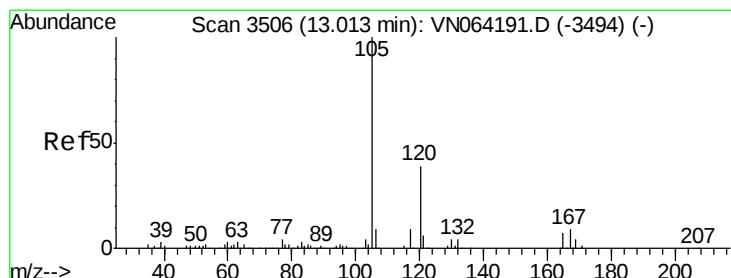
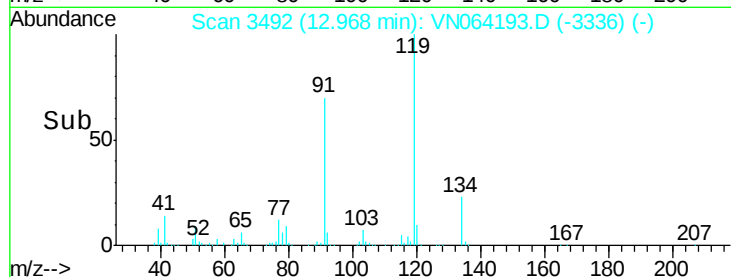
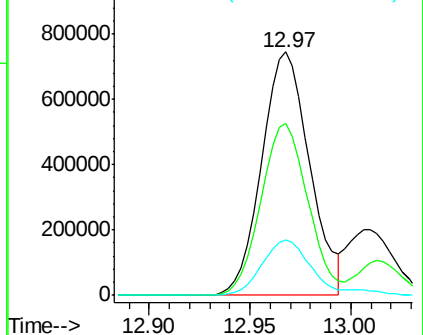
Tot Ion	Ratio	Lower	Upper
119	100		
91	69.3	0.0	143.2
134	22.6	0.0	49.2

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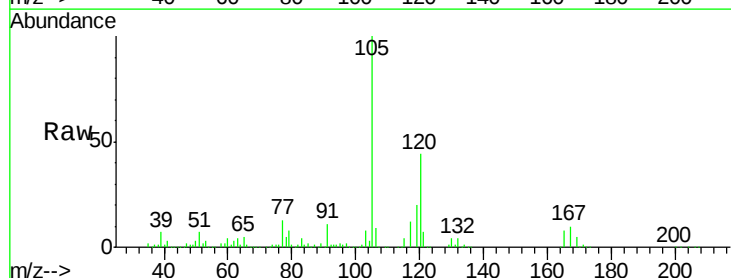


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

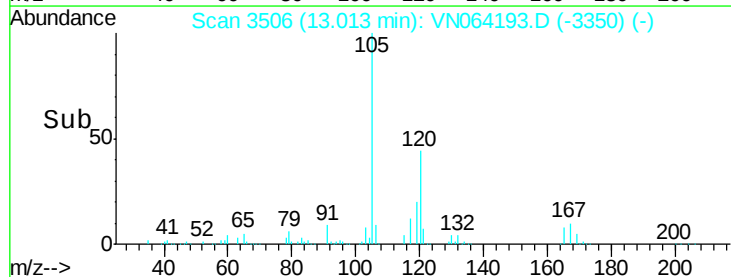
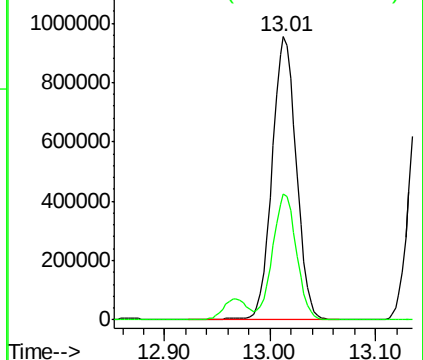


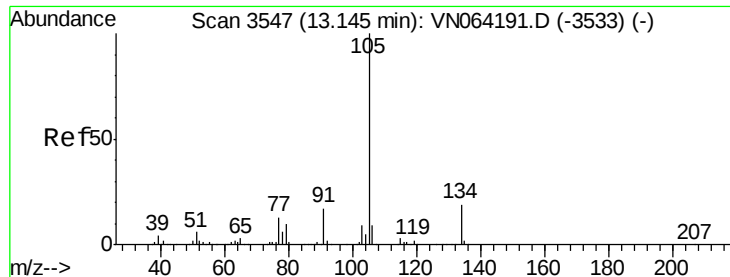
#80
1,2,4-Trimethylbenzene
Concen: 114.089 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	0.0	85.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 113.211 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1584349

Ion Ratio Lower Upper

105 100

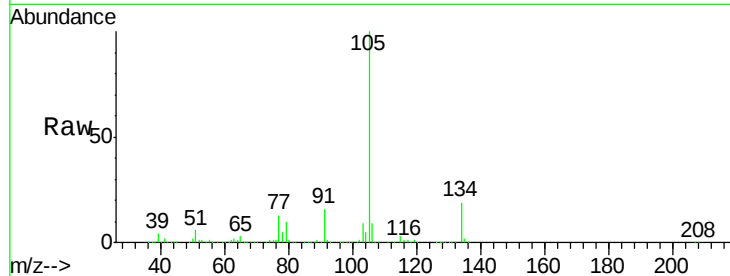
134 19.4 0.0 38.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1200000

1000000

800000

600000

400000

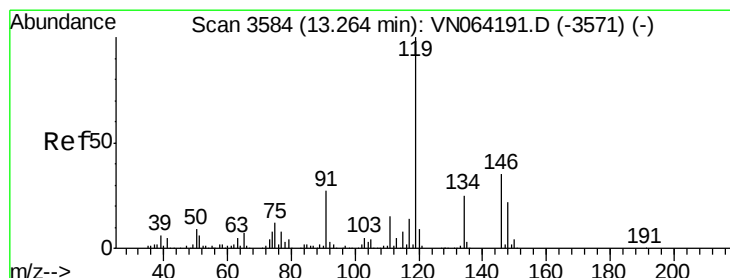
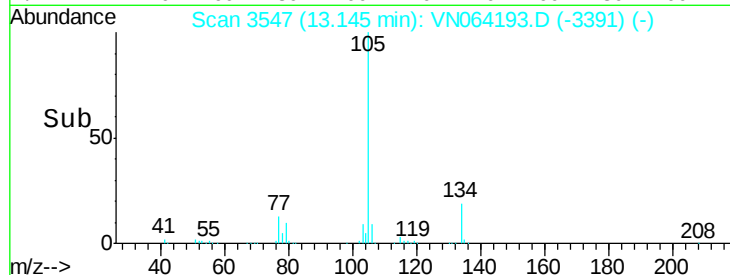
200000

0

13.10

13.20

Time-->



#82

p-Isopropyltoluene

Concen: 115.935 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

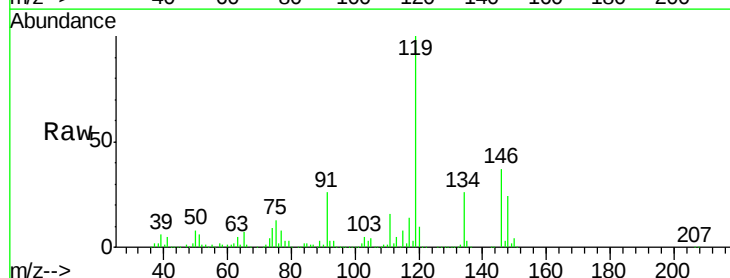
Tgt Ion:119 Resp: 1479619

Ion Ratio Lower Upper

119 100

134 25.8 0.0 51.4

91 25.6 0.0 52.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1200000

1000000

800000

600000

400000

200000

0

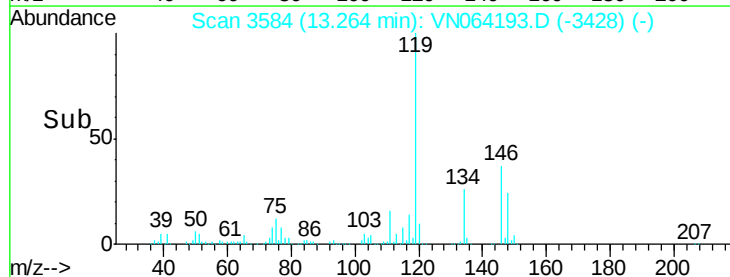
13.20

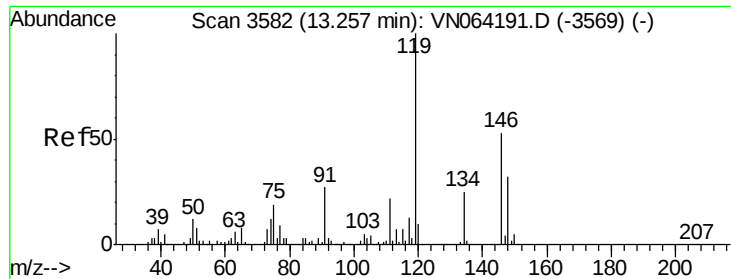
13.25

13.30

13.35

Time-->





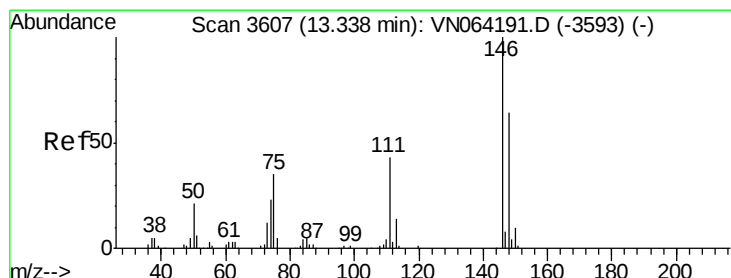
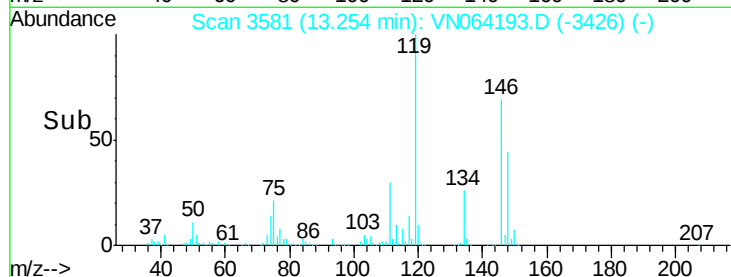
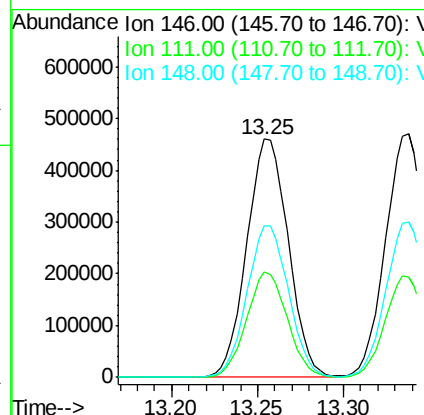
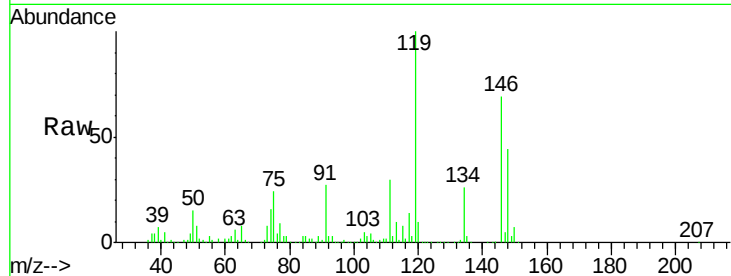
#83
 1,3-Dichlorobenzene
 Concen: 110.421 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.8	65.4
148	63.4	31.4	94.2

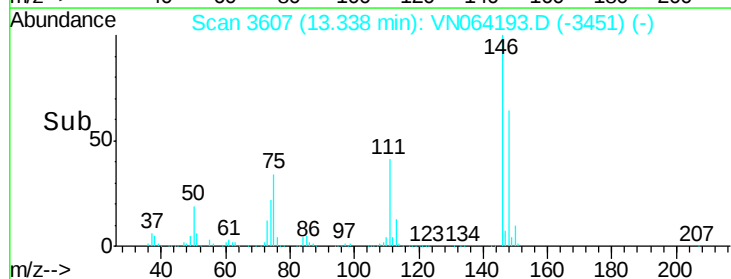
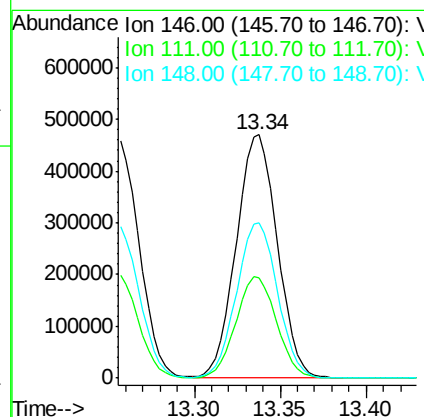
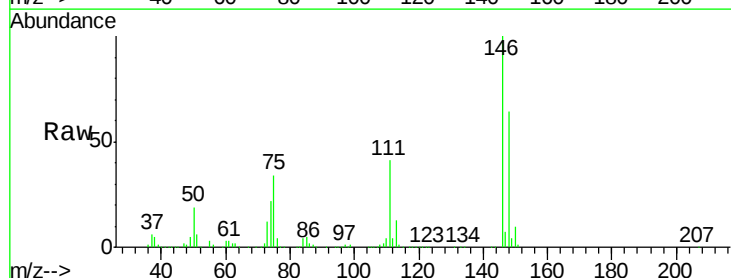
Manual Integrations
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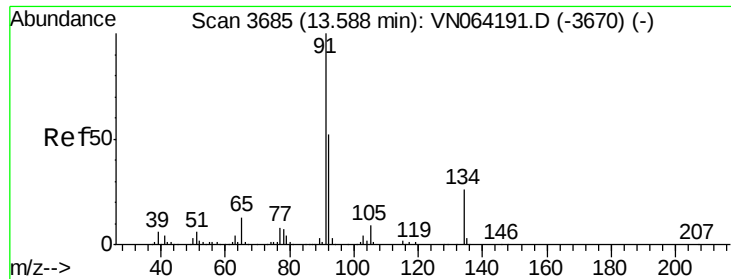
MMDadoda
 10/23/2020 2:28:40 PM



#84
 1,4-Dichlorobenzene
 Concen: 110.859 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.9	62.8
148	63.9	30.9	92.7





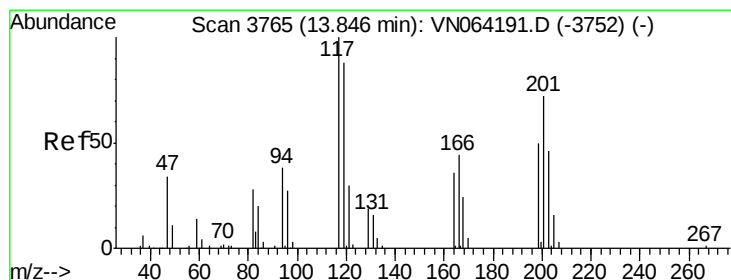
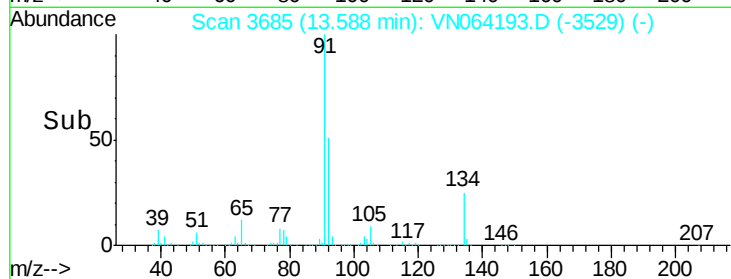
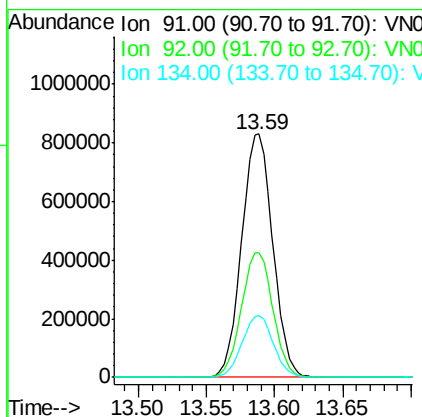
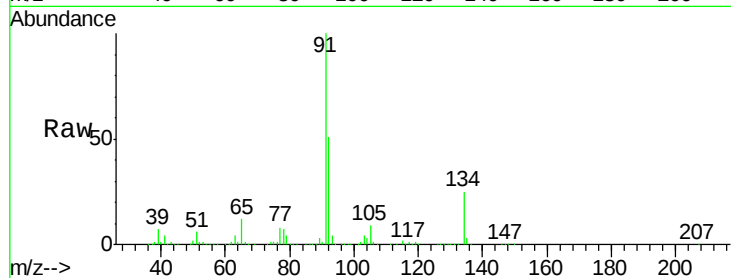
#85
n-Butylbenzene
Concen: 117.697 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	0.0	104.8
134	25.5	0.0	49.8

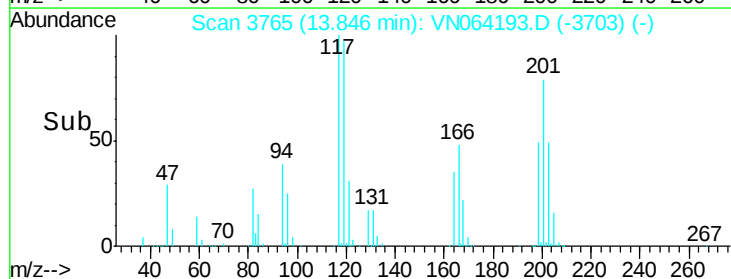
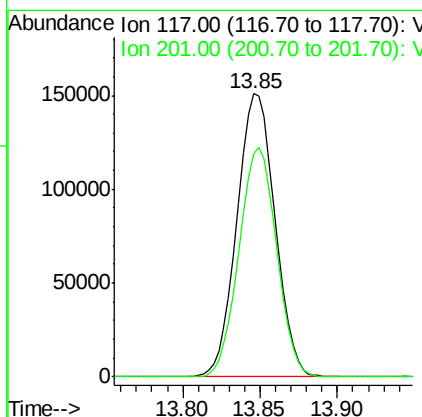
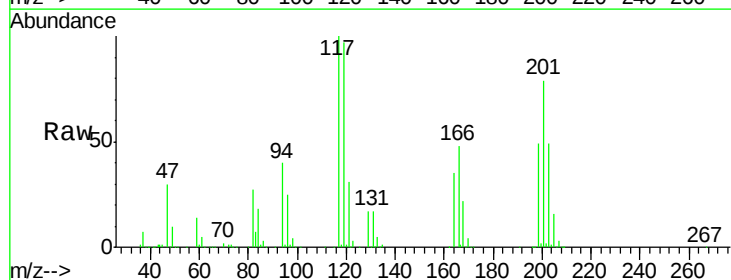
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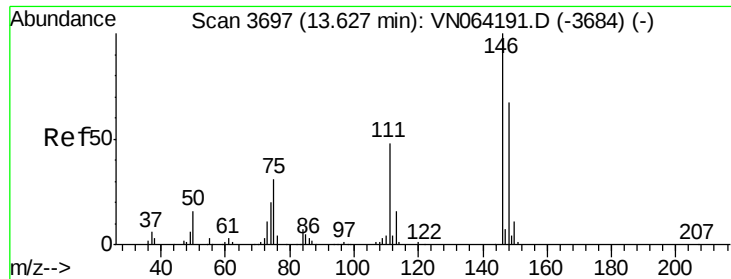
MMDadoda
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#86
Hexachloroethane
Concen: 117.757 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.9	37.5	112.3





#87

1,2-Dichlorobenzene

Concen: 110.267 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

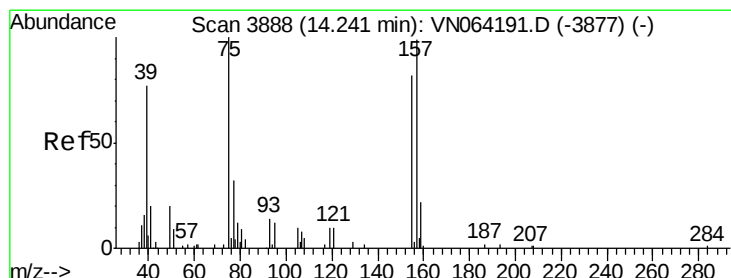
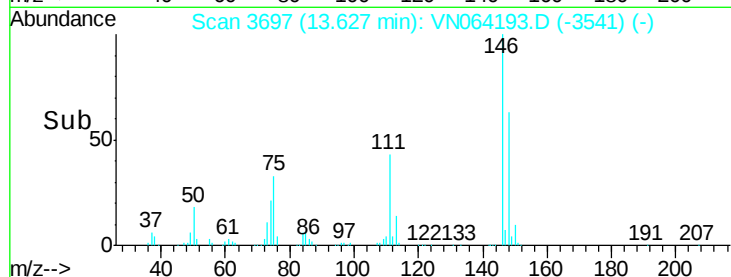
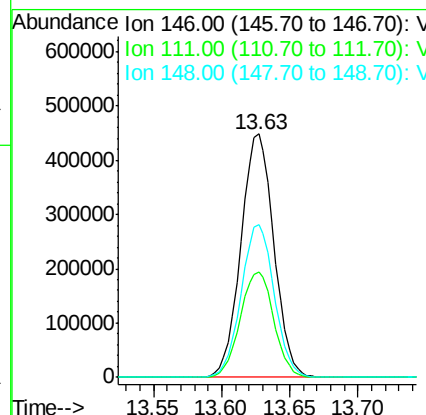
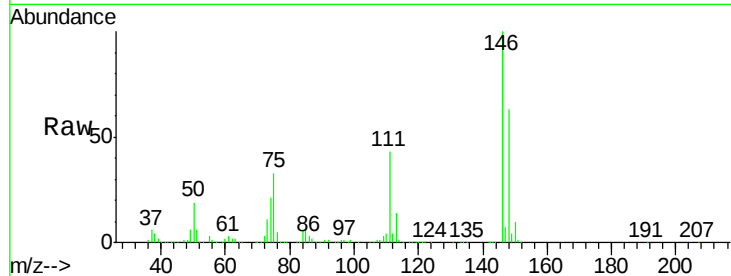
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	751667
Ion Ratio		Lower	Upper
146	100		
111	44.1	22.6	67.8
148	63.1	32.6	97.8

Manual Integrations
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10/23/2020 2:28:40 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 103.987 ug/l

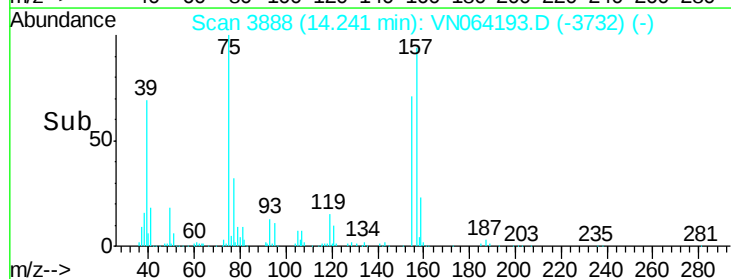
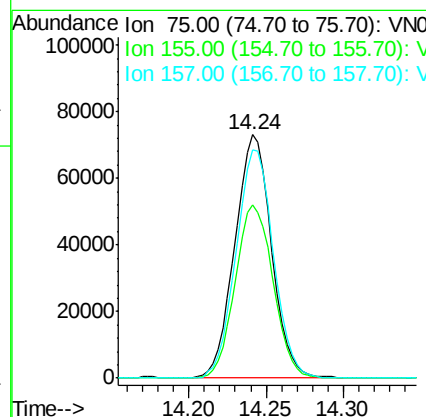
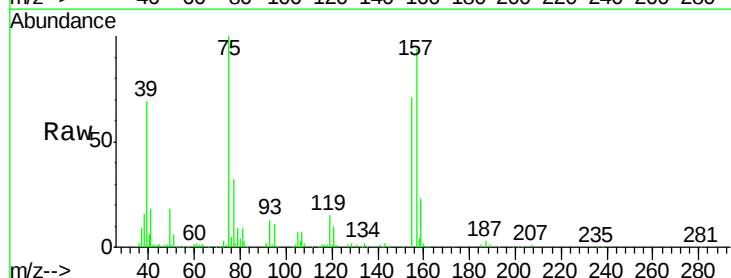
RT: 14.24 min Scan# 3888

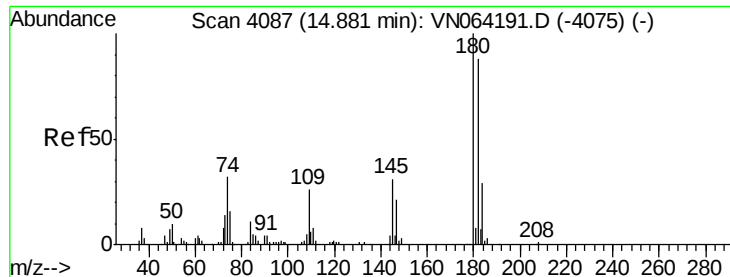
Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Tgt Ion:	75	Resp:	119991
Ion Ratio		Lower	Upper
75	100		
155	73.6	61.1	91.7
157	95.9	76.5	114.7





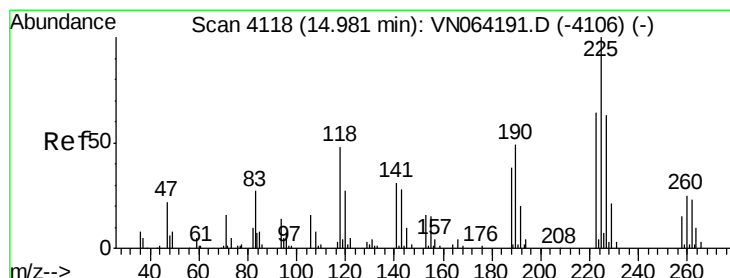
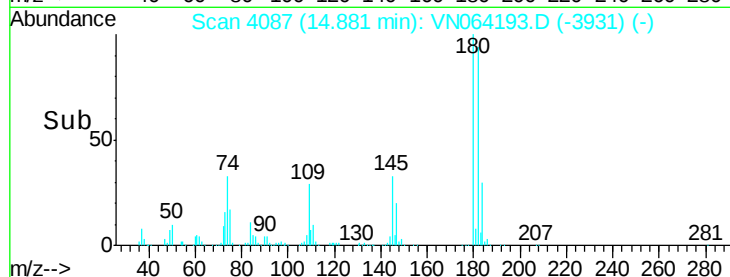
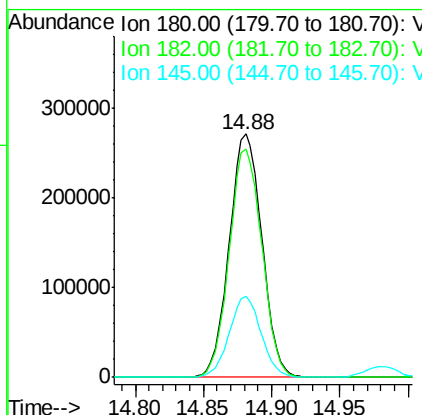
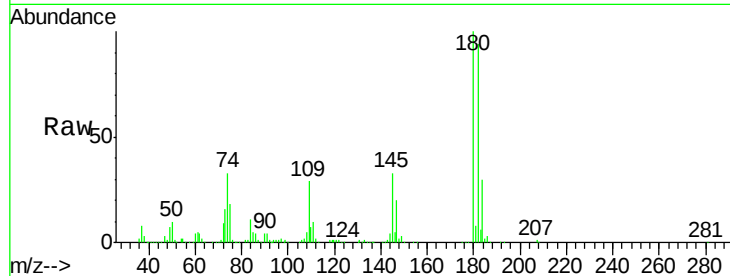
#89
 1,2,4-Trichlorobenzene
 Concen: 124.206 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	451915		
182	93.9	73.0	109.4	
145	32.5	24.3	36.5	

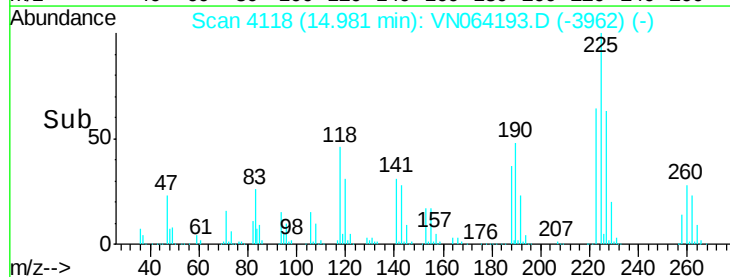
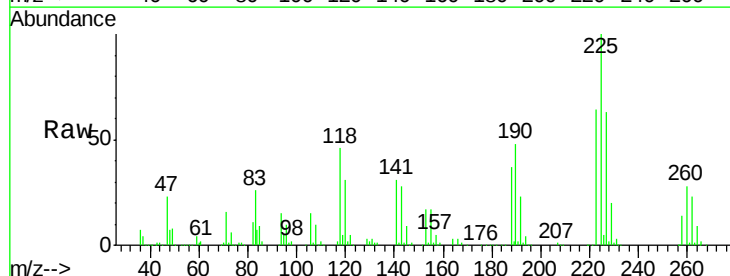
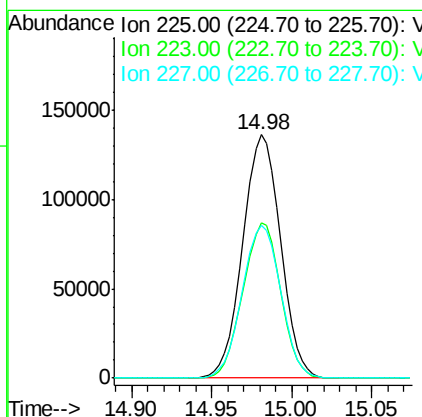
Manual Integrations
 APPROVED

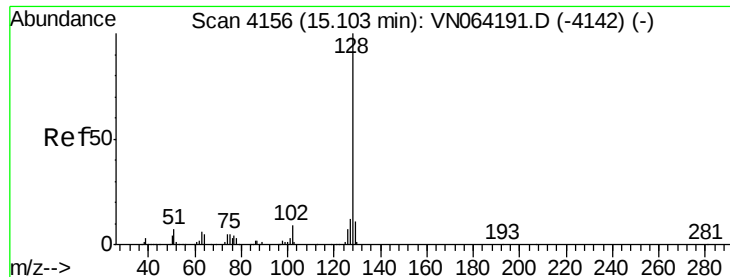
MMDadoda
 10/23/2020 2:28:40 PM



#90
 Hexachlorobutadiene
 Concen: 116.878 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	220018		
223	63.6	0.0	127.0	
227	63.9	0.0	129.4	





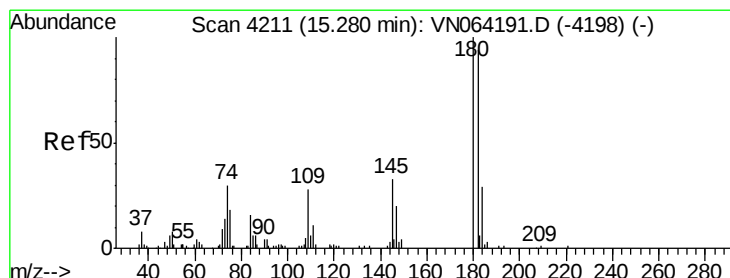
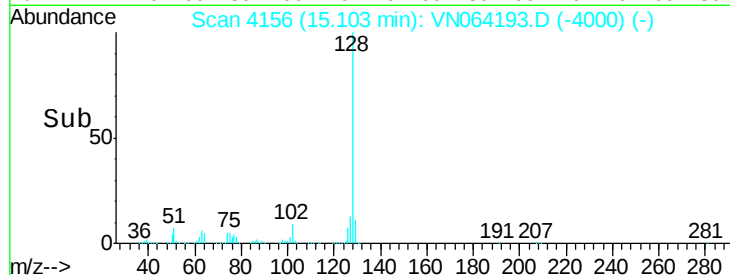
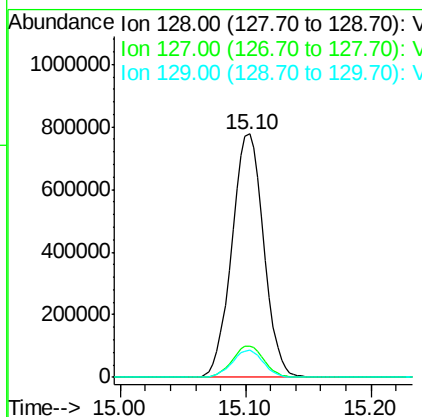
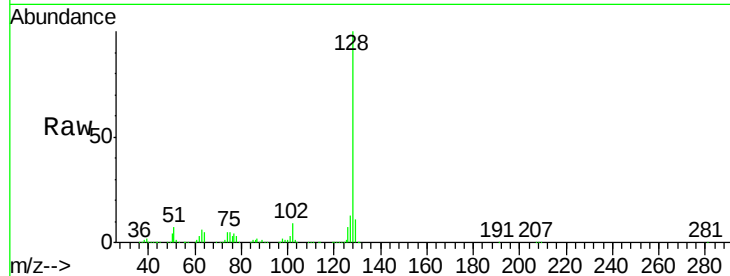
#91
Naphthalene
Concen: 125.006 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:28:40 PM



#92
1,2,3-Trichlorobenzene
Concen: 124.447 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	0.0	190.0
145	34.3	0.0	66.6

