

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064191.D
 Acq On : 20 Oct 2020 10:24
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:28:35 PM

Quant Time: Oct 20 11:20:10 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	7.14	128	54515	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	313721	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	276900	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	139155	28.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.93%
60) 4-Bromofluorobenzene	12.37	95	150427	31.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.90%
63) Toluene-d8	10.06	98	379335	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	71511	20.080	ug/l 100
3) Chloromethane	2.04	50	71700	19.393	ug/l 100
4) Vinyl Chloride	2.16	62	71068	19.323	ug/l 100
5) Bromomethane	2.54	94	41015	17.600	ug/l 100
6) Chloroethane	2.68	64	40777	17.918	ug/l 100
7) Trichlorofluoromethane	2.99	101	118296	20.090	ug/l 100
8) Diethyl Ether	3.37	74	37084	19.453	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	59574	19.639	ug/l 100
10) 1,1-Dichloroethene	3.70	96	56320	19.639	ug/l 100
11) Methyl Iodide	3.91	142	77992	20.948	ug/l 100
12) Methyl Acetate	4.28	43	57576	16.913	ug/l 100
13) Acrolein	3.57	56	27321	79.073	ug/l # 1
14) Acrylonitrile	4.93	53	114776	81.717	ug/l 100
15) Acetone	3.77	58	29720	74.941	ug/l 100
16) Carbon Disulfide	4.01	76	161064	19.054	ug/l 100
17) Allyl chloride	4.28	41	103584	19.701	ug/l 100
18) Methylene Chloride	4.51	84	61641	18.327	ug/l 100
19) trans-1,2-Dichloroethene	4.99	96	60317	18.654	ug/l 100
20) Diisopropyl ether	5.90	45	191990	18.176	ug/l 100
21) 1,1-Dichloroethane	5.80	63	117420	18.435	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	70931	19.218	ug/l 100
23) tert-Butyl Alcohol	4.72	59	50856	84.406	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	185619	19.377	ug/l 100
25) Chloroform	7.33	83	120942	18.135	ug/l 100
26) Cyclohexane	7.61	56	91012	19.352	ug/l 100
29) 1,1-Dichloropropene	7.75	75	93315	17.766	ug/l 100
30) 2-Butanone	6.78	43	179120	71.955	ug/l 100
31) 2,2-Dichloropropane	6.77	77	117695	18.609	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	116450	17.488	ug/l 100
33) Carbon Tetrachloride	7.73	117	106378	18.049	ug/l 100
34) Benzene	8.00	78	250955	16.970	ug/l 100
35) Methacrylonitrile	7.12	41	38779	15.855	ug/l 100
36) 1,2-Dichloroethane	8.08	62	102426	15.941	ug/l 100
37) Trichloroethene	8.80	130	69108	17.564	ug/l 100
38) Methylcyclohexane	9.05	83	85537	18.871	ug/l 100
39) 1,2-Dichloropropane	9.08	63	67600	16.906	ug/l 100
40) Dibromomethane	9.17	93	46202	16.607	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	100684	17.152	ug/l	100
42) Vinyl Acetate	5.84	43	881265	83.235	ug/l	100
43) Ethyl Acetate	6.87	43	79719	14.781	ug/l	100
44) Isopropyl Acetate	8.12	43	155899	17.130	ug/l	100
45) 1,4-Dioxane	9.16	88	16648	292.384	ug/l	100
46) Methyl methacrylate	9.16	41	74473	16.585	ug/l	100
47) n-amyl Acetate	12.04	43	130427	16.084	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	112777	17.661	ug/l	100
49) cis-1,3-Dichloropropene	9.80	75	115622	17.423	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	63041	16.781	ug/l	100
51) Ethyl methacrylate	10.40	69	97256	17.569	ug/l	100
52) 1,3-Dichloropropane	10.68	76	106817	16.597	ug/l	100
53) Dibromochloromethane	10.87	129	77887	17.841	ug/l	100
54) 1,2-Dibromoethane	10.98	107	66387	16.881	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	251802	84.744	ug/l	100
56) Bromoform	12.10	173	53596	17.525	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	404622	80.386	ug/l	100
59) 2-Hexanone	10.72	43	298158	79.241	ug/l	100
61) Tetrachloroethene	10.60	164	65291	19.212	ug/l	100
62) Toluene	10.12	91	276865	18.050	ug/l	100
64) Chlorobenzene	11.40	112	172693	18.445	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	66822	18.311	ug/l	100
66) Ethyl Benzene	11.48	91	321488	18.832	ug/l	100
67) m/p-Xylenes	11.59	106	234672	37.176	ug/l	100
68) o-Xylene	11.92	106	111426	18.451	ug/l	100
69) Styrene	11.94	104	190174	18.444	ug/l	100
70) Isopropylbenzene	12.22	105	302657	18.812	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	81525	16.512	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	83364m	16.907	ug/l	100
73) Bromobenzene	12.50	156	74375	18.254	ug/l	100
74) n-propylbenzene	12.56	91	343581	18.355	ug/l	100
75) 2-Chlorotoluene	12.65	91	211566	18.512	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	254936	18.770	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	32894	17.873	ug/l	100
78) 4-Chlorotoluene	12.75	91	218337	18.124	ug/l	100
79) tert-butylbenzene	12.97	119	209657	19.129	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	262175	19.198	ug/l	100
81) sec-Butylbenzene	13.14	105	274822	19.128	ug/l	100
82) p-Isopropyltoluene	13.26	119	253420	19.341	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	126743	17.645	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	129988	18.082	ug/l	100
85) n-Butylbenzene	13.59	91	219925	19.207	ug/l	100
86) Hexachloroethane	13.85	117	43535	19.292	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	122053	17.440	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	19871	16.774	ug/l	100
89) 1,2,4-Trichlorobenzene	14.88	180	76806	20.562	ug/l	100
90) Hexachlorobutadiene	14.98	225	38383	19.861	ug/l	100
91) Naphthalene	15.10	128	223643	19.887	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	71623	19.957	ug/l	100

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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

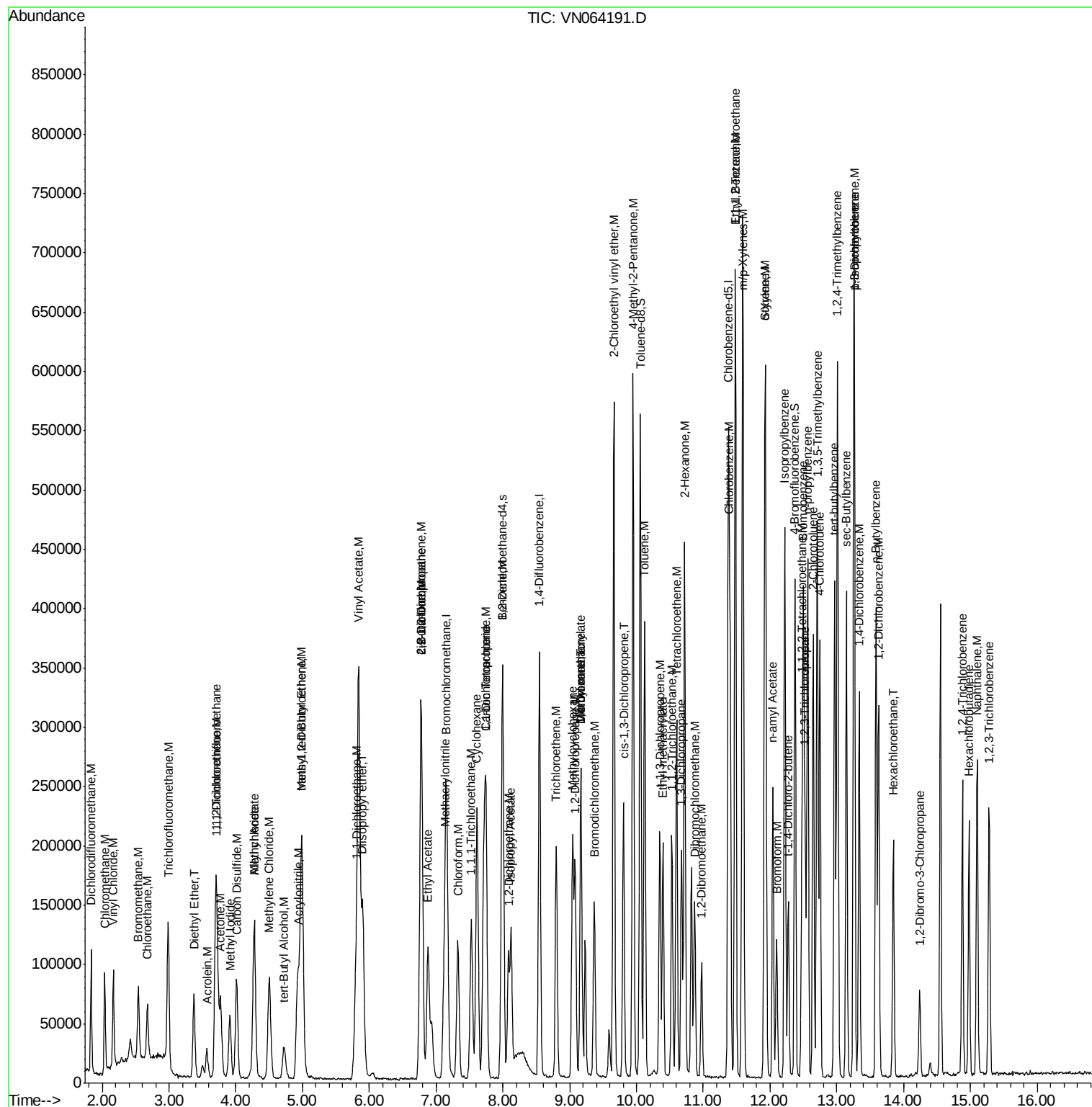
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
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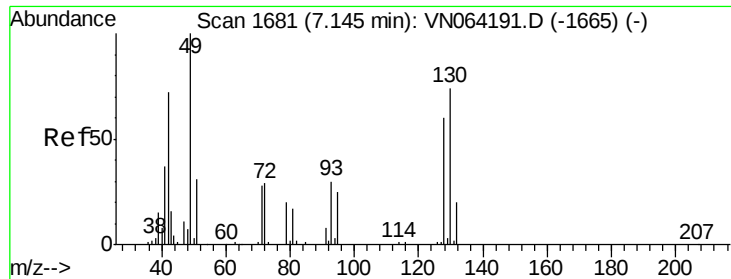
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

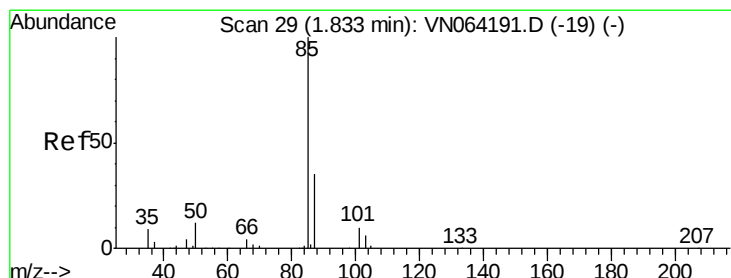
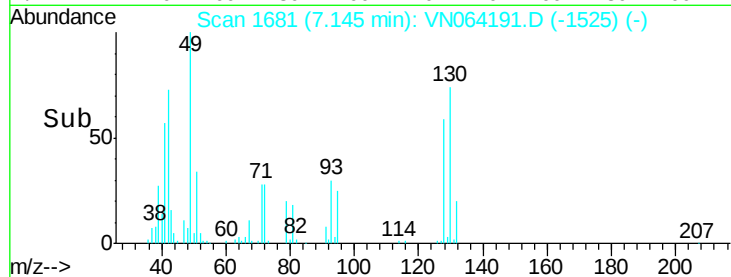
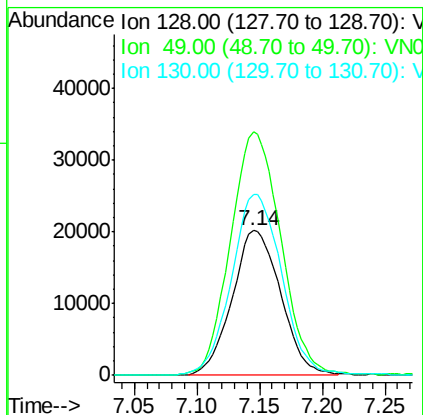
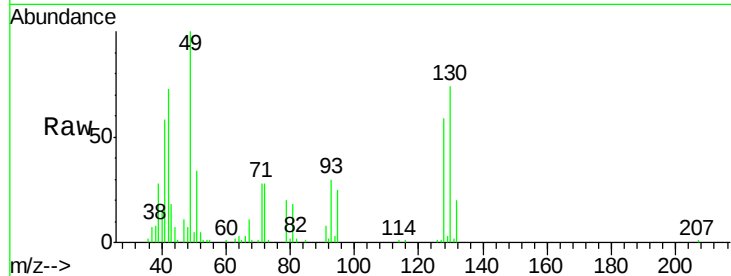
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	173.3	0.0	433.3
130	129.0	0.0	322.5

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.080 ug/l

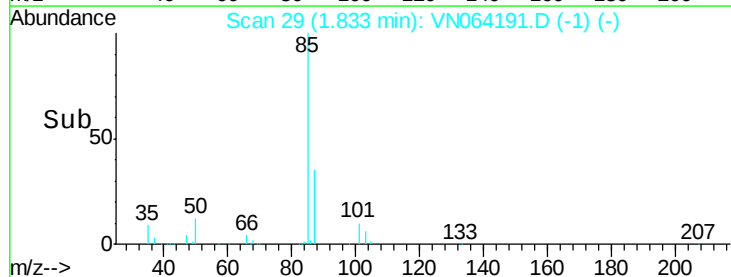
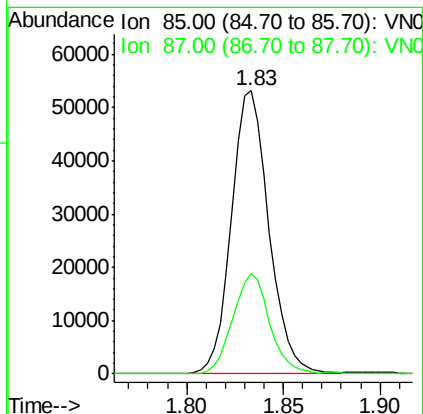
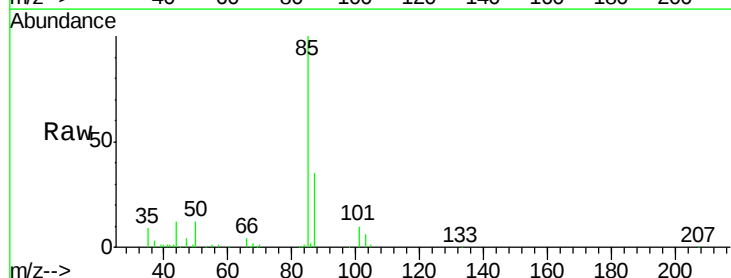
RT: 1.83 min Scan# 29

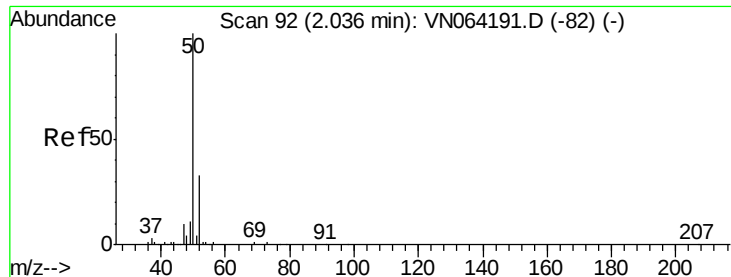
Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Lower	Upper
85	100		
87	35.5	17.8	53.3





#3

Chloromethane

Concen: 19.393 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 71700

Ion Ratio Lower Upper

50 100

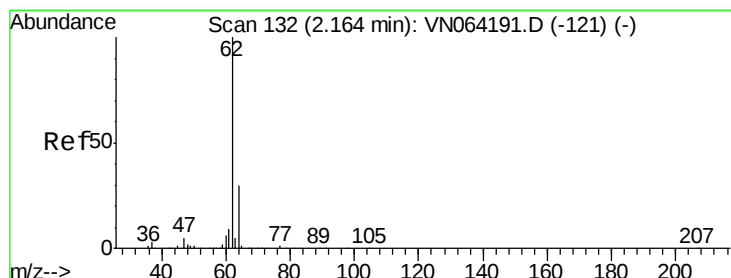
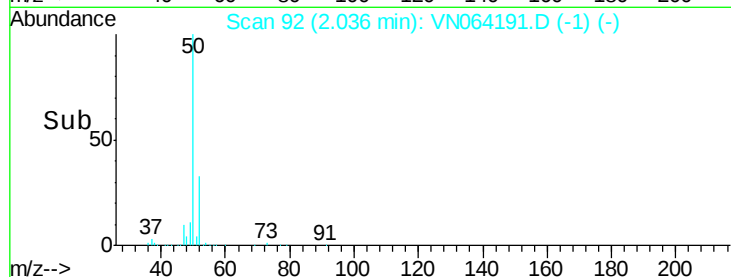
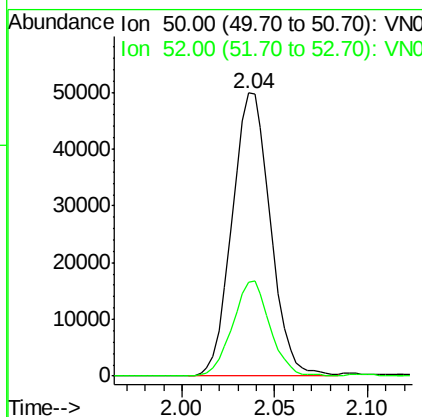
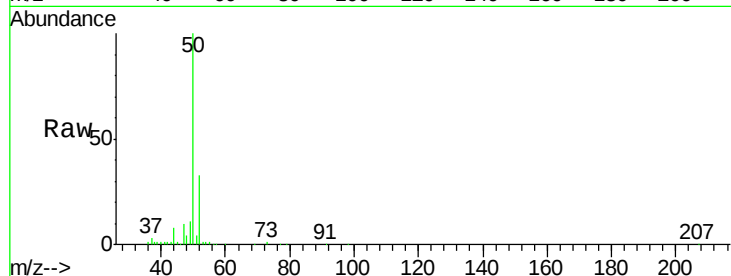
52 33.3 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.323 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064191.D

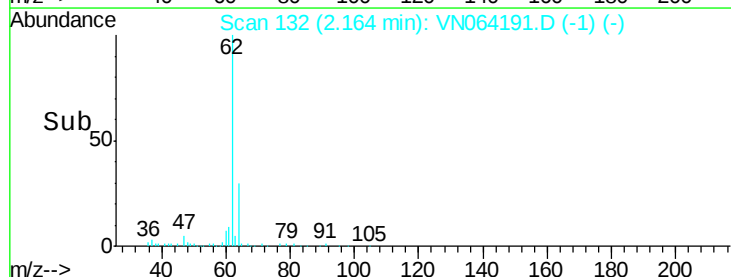
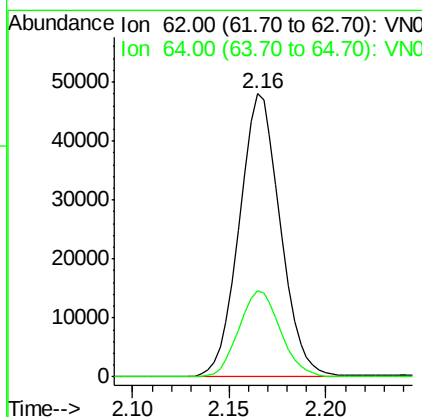
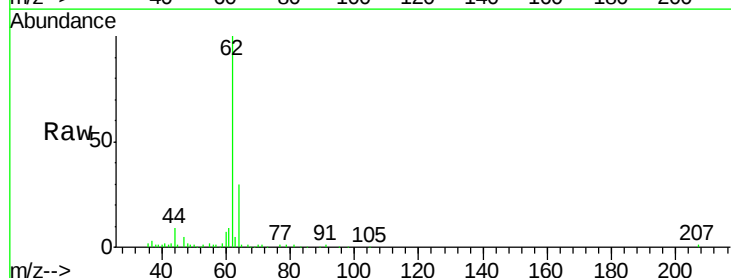
Acq: 20 Oct 2020 10:24

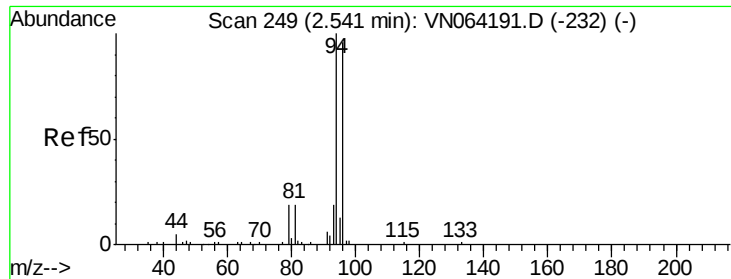
Tgt Ion: 62 Resp: 71068

Ion Ratio Lower Upper

62 100

64 30.5 24.4 36.6





#5

Bromomethane

Concen: 17.600 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

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ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 41015

Ion Ratio Lower Upper

94 100

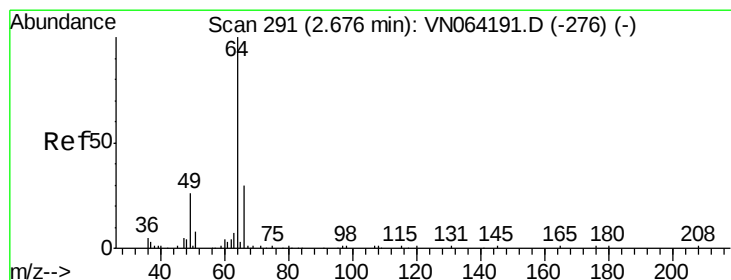
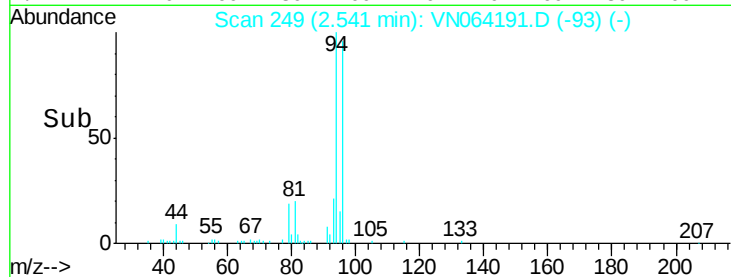
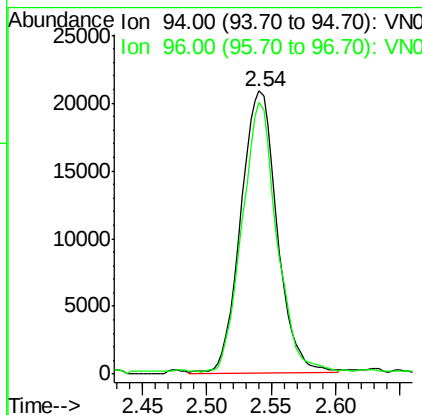
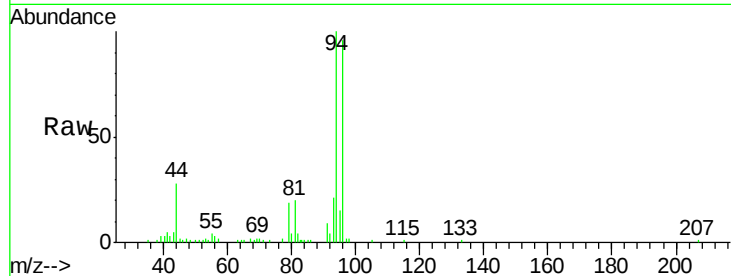
96 95.8 76.6 115.0

Manual Integrations

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#6

Chloroethane

Concen: 17.918 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064191.D

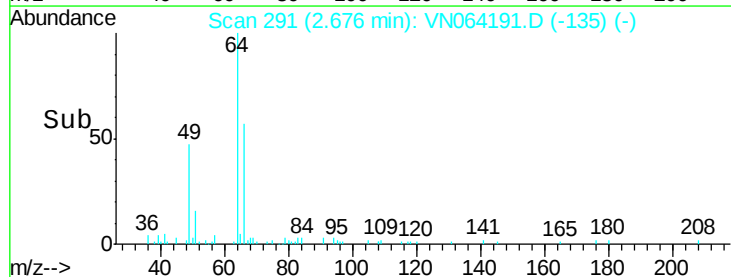
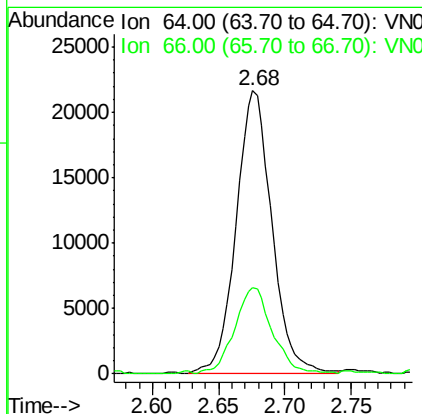
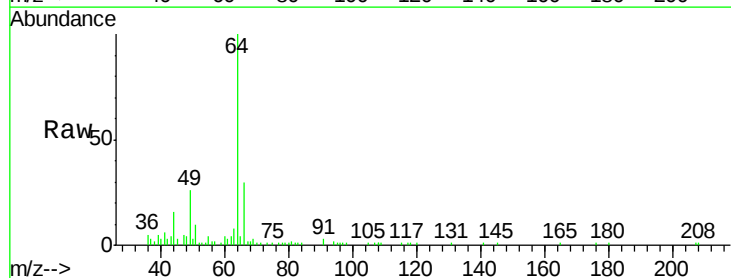
Acq: 20 Oct 2020 10:24

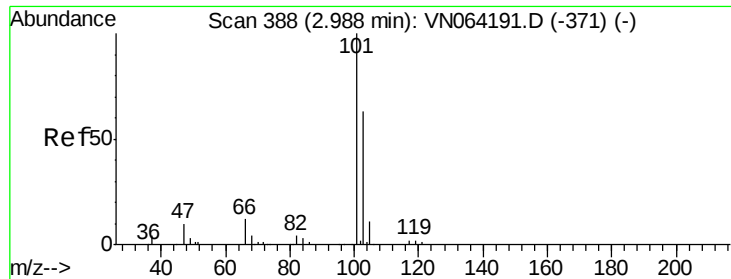
Tgt Ion: 64 Resp: 40777

Ion Ratio Lower Upper

64 100

66 30.4 24.3 36.5





#7

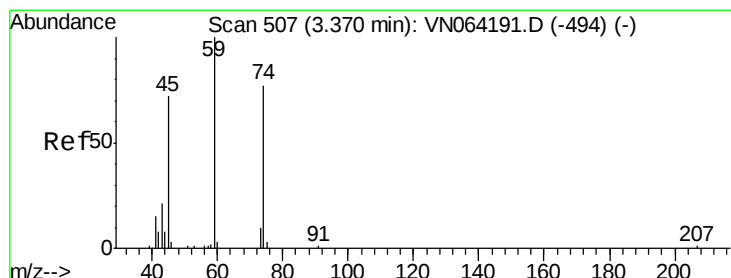
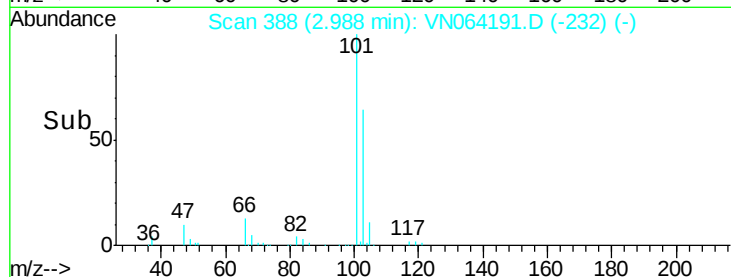
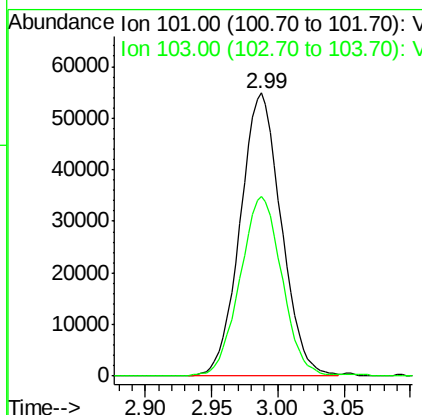
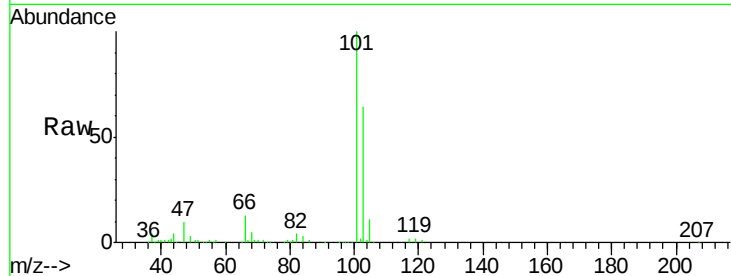
Trichlorofluoromethane
Concen: 20.090 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.7	76.1

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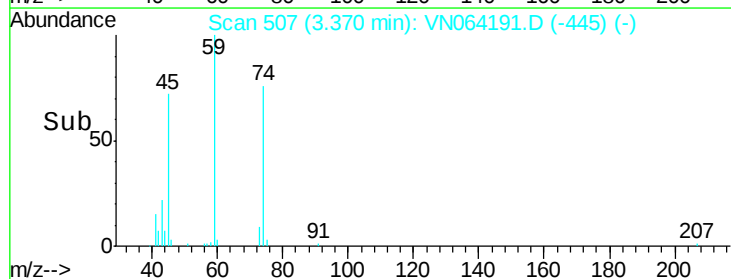
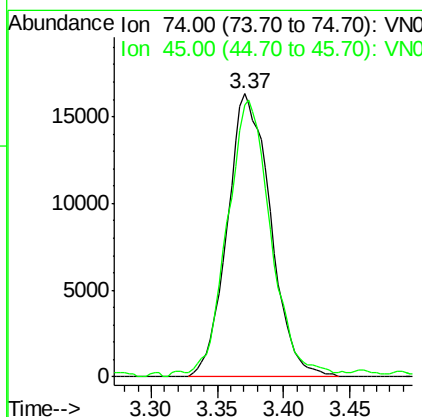
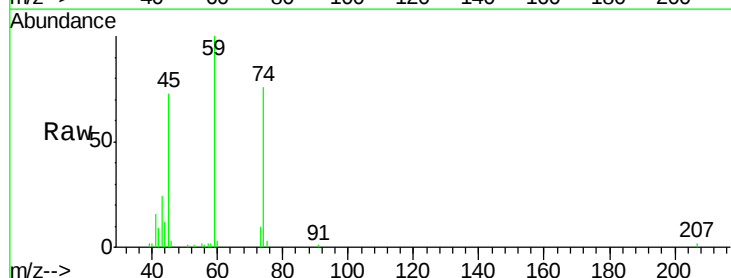
MMDadoda
10/23/2020 2:28:35 PM

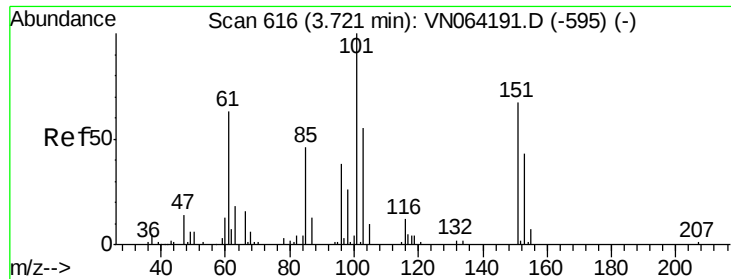


#8

Diethyl Ether
Concen: 19.453 ug/l
RT: 3.37 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	19.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.639 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

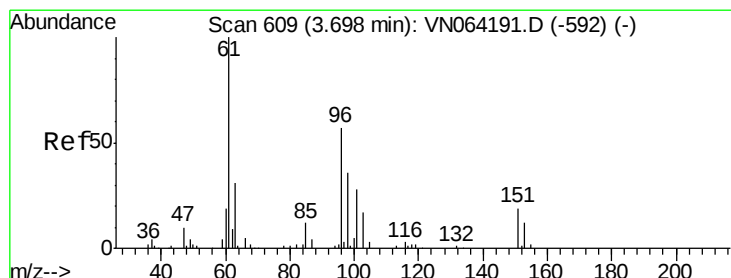
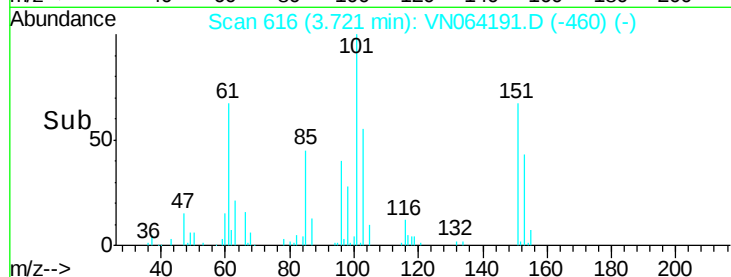
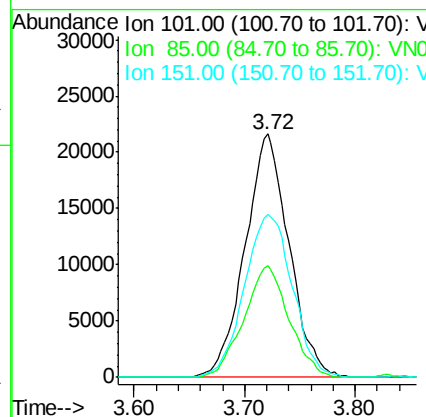
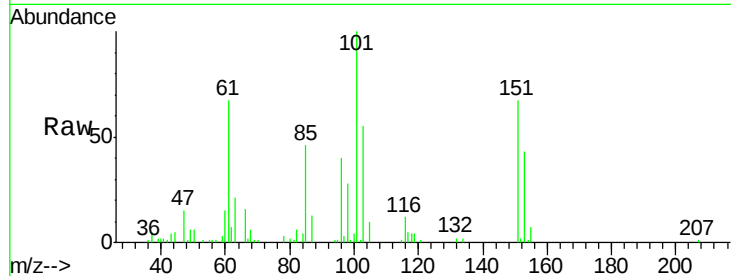
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	59574
Ion Ratio	Lower	Upper	
101	100		
85	47.0	0.0	94.0
151	73.3	0.0	146.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.639 ug/l

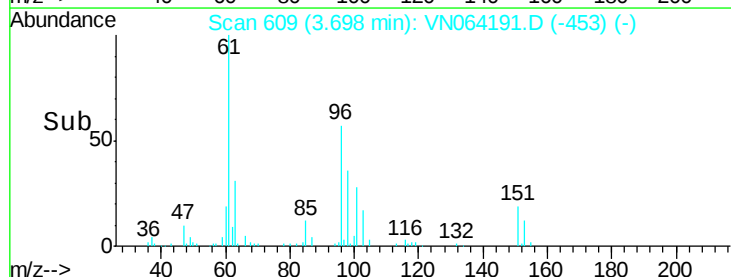
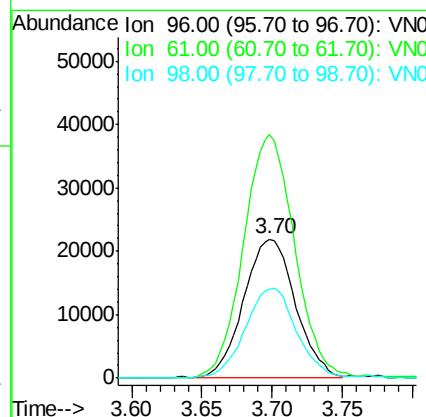
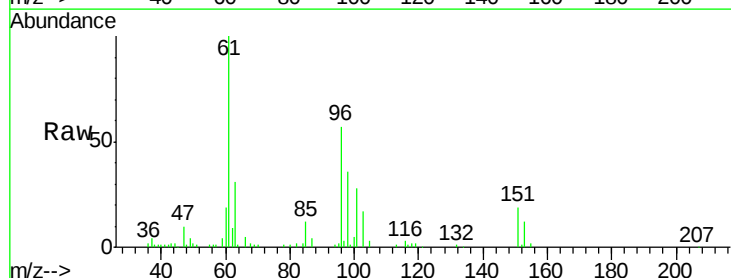
RT: 3.70 min Scan# 609

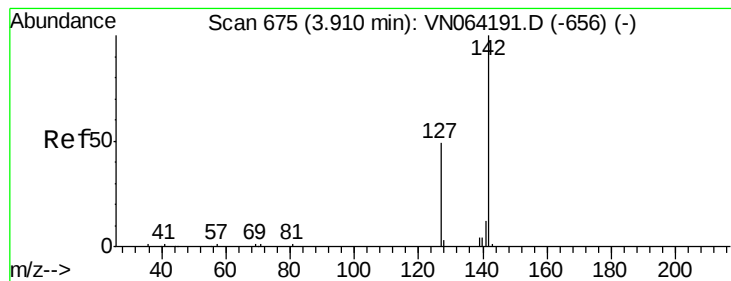
Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Tgt Ion:	96	Resp:	56320
Ion Ratio	Lower	Upper	
96	100		
61	176.2	141.0	211.4
98	64.3	51.4	77.2





#11

Methvl Iodide

Concen: 20.948 ug/l

RT: 3.91 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

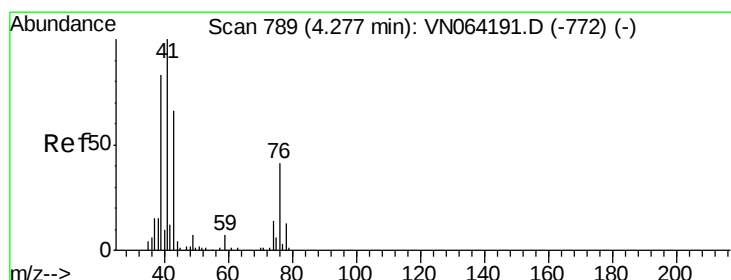
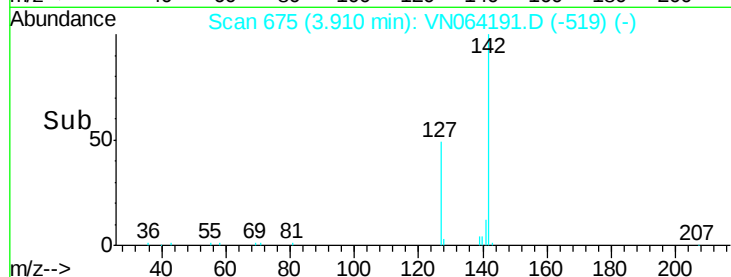
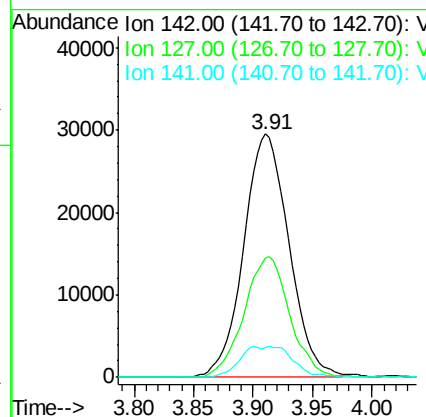
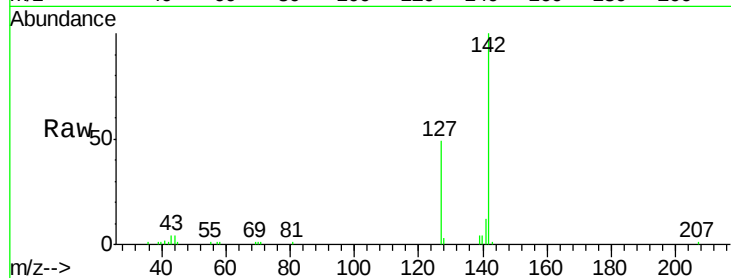
ClientSampleId :

VSTDICCC020

Tot Ion:	142	Resp:	77992
Ion Ratio	Lower	Upper	
142	100		
127	49.0	24.5	73.5
141	12.1	6.0	18.1

Manual Integrations
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#12

Methyl Acetate

Concen: 16.913 ug/l

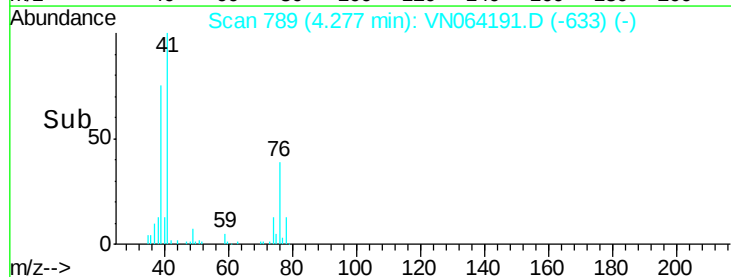
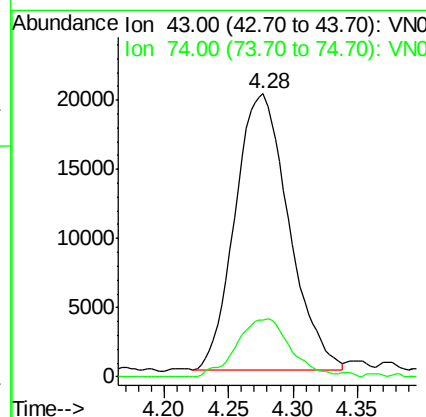
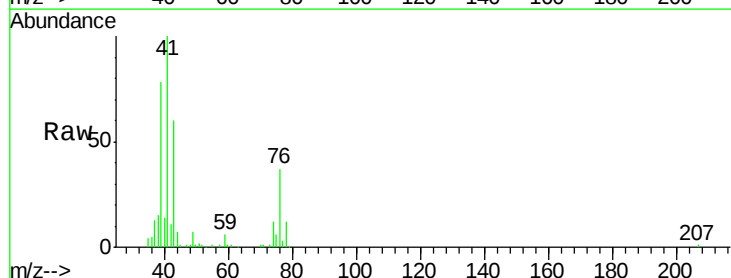
RT: 4.28 min Scan# 789

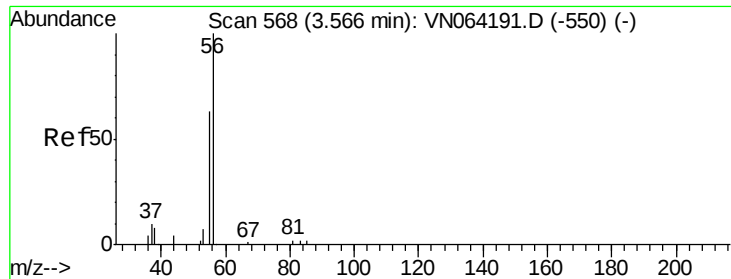
Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Tgt Ion:	43	Resp:	57576
Ion Ratio	Lower	Upper	
43	100		
74	20.2	16.2	24.2





#13

Acrolein

Concen: 79.073 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 27321

Ion Ratio Lower Upper

56 100

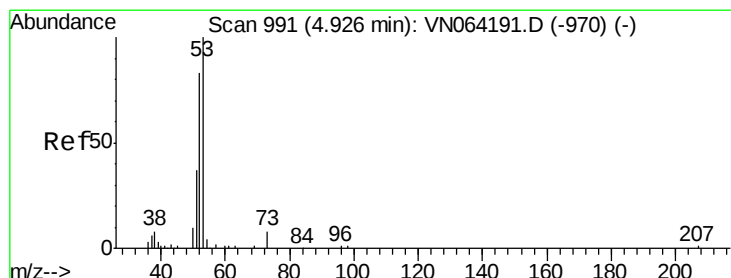
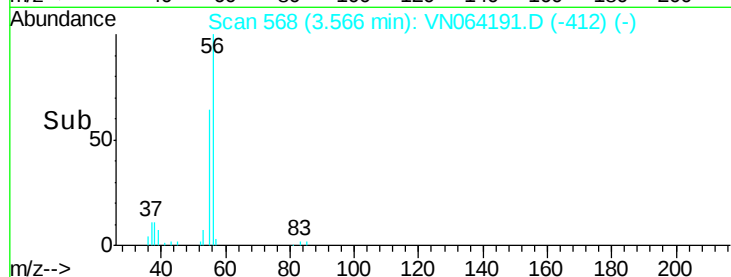
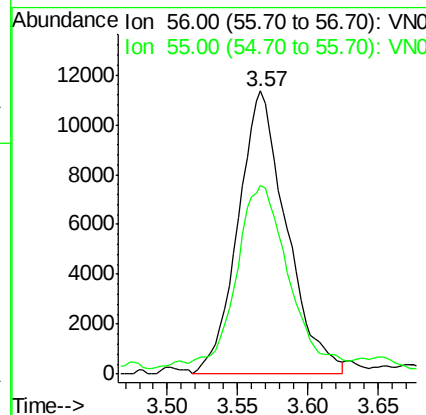
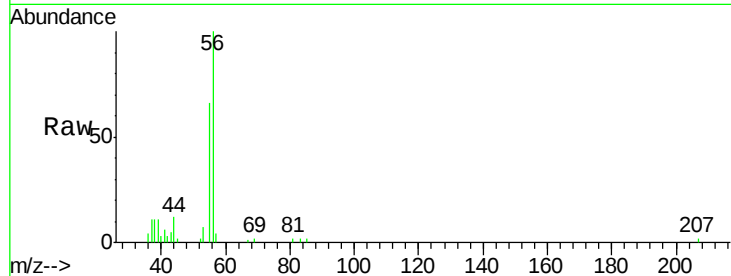
55 57.9 0.5 0.7#

Manual Integrations

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#14

Acrylonitrile

Concen: 81.717 ug/l

RT: 4.93 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

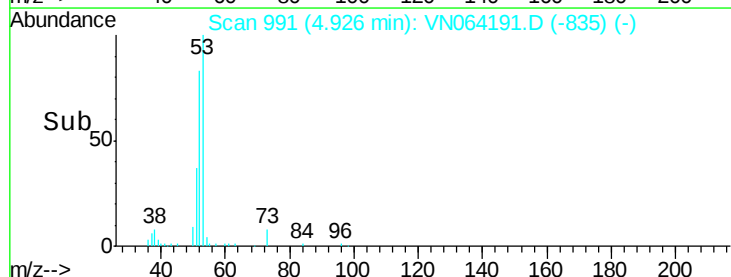
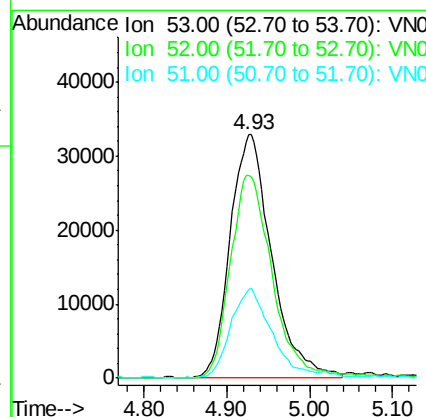
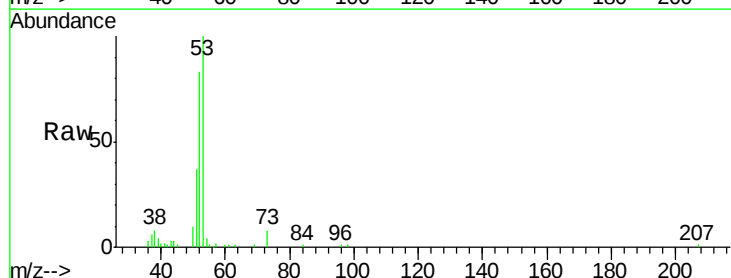
Tgt Ion: 53 Resp: 114776

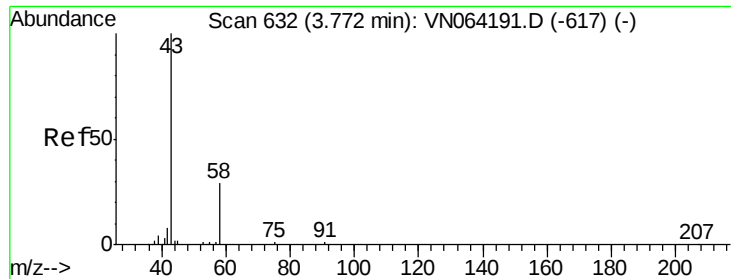
Ion Ratio Lower Upper

53 100

52 82.6 41.3 123.9

51 36.1 18.1 54.1





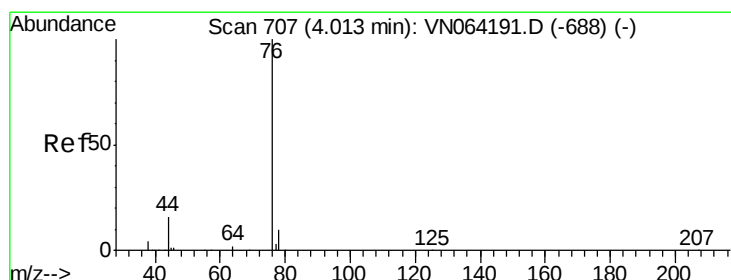
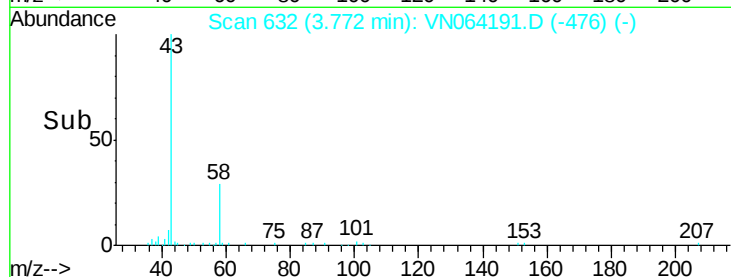
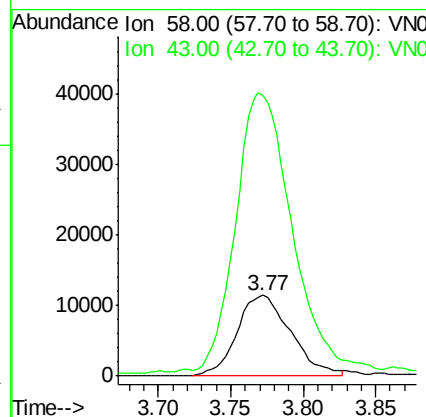
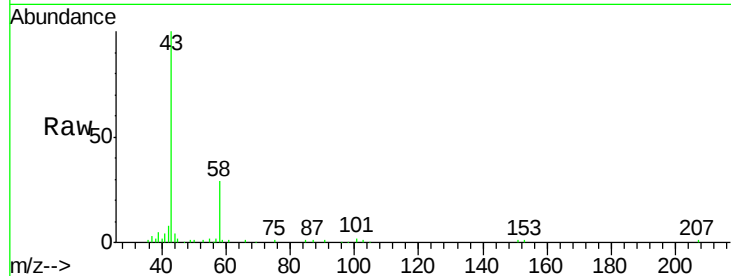
#15
Acetone
Concen: 74.941 ug/l
RT: 3.77 min Scan# 632
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 58 Resp: 29720
Ion Ratio Lower Upper
58 100
43 340.1 272.1 408.1

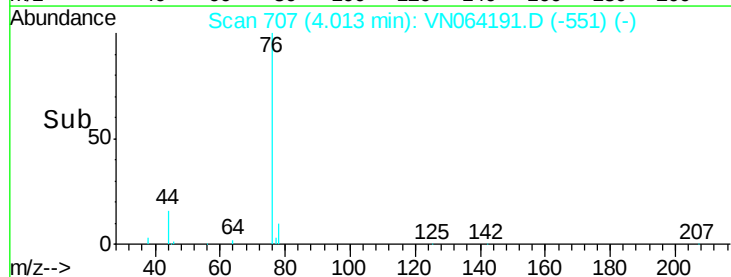
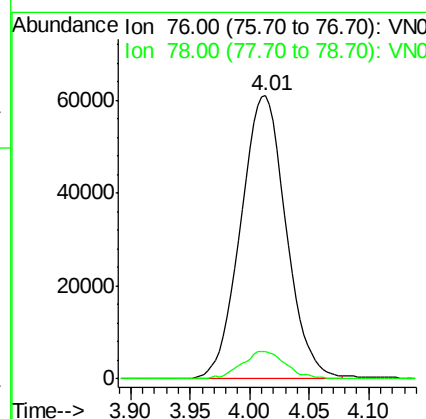
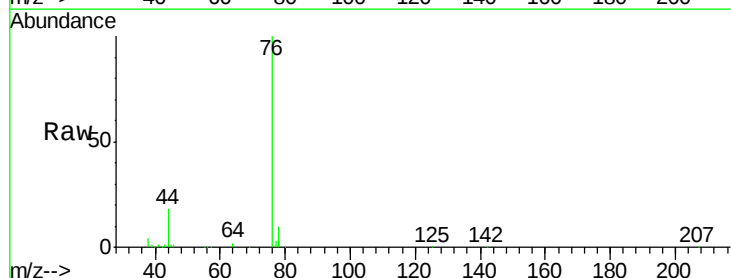
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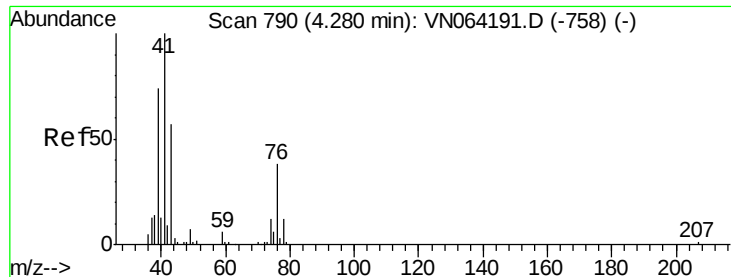
MMDadoda
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#16
Carbon Disulfide
Concen: 19.054 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion: 76 Resp: 161064
Ion Ratio Lower Upper
76 100
78 9.6 7.7 11.5





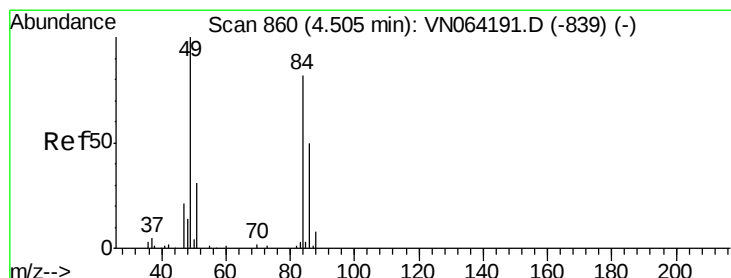
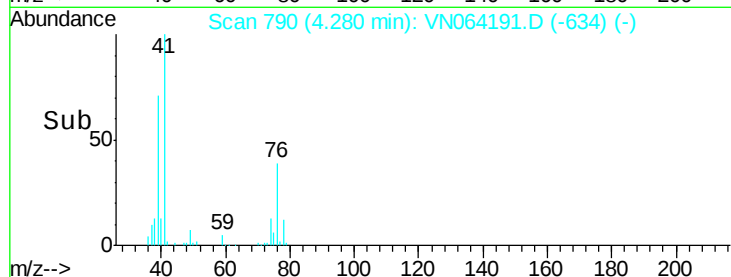
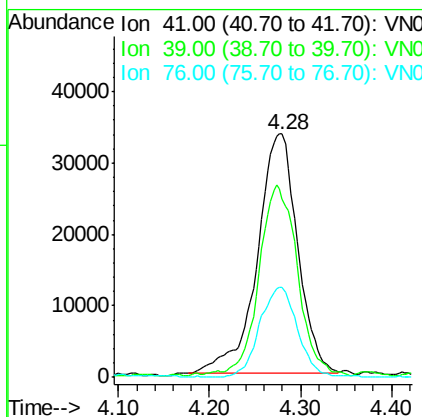
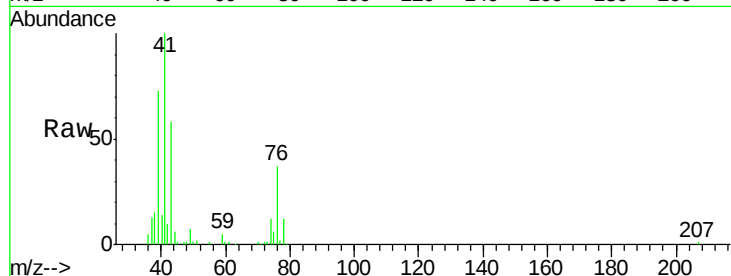
#17
Allvl chloride
Concen: 19.701 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:	41	Resp:	103584
Ion	Ratio	Lower	Upper
41	100		
39	73.6	36.8	110.4
76	37.6	18.8	56.4

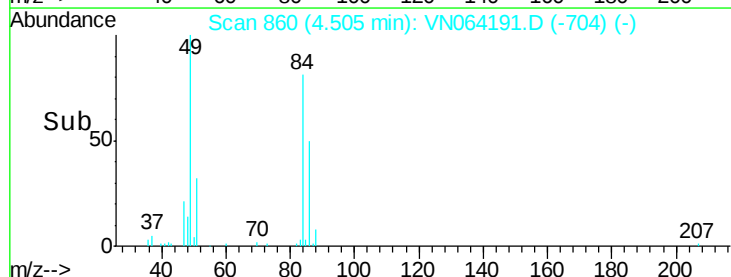
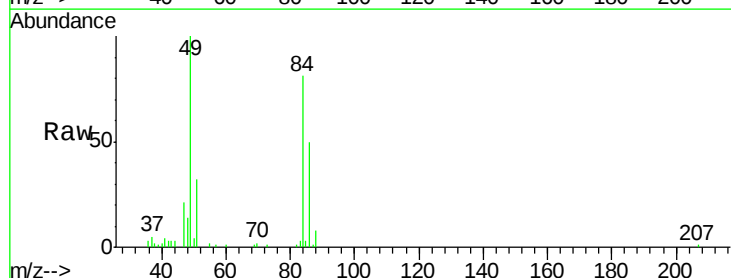
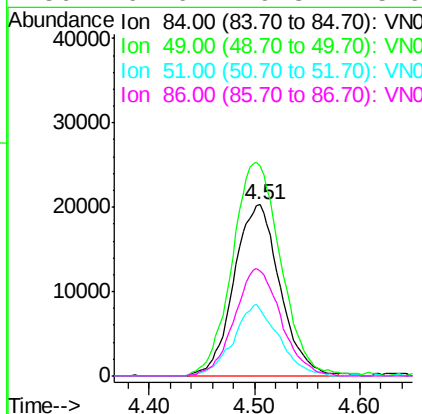
Manual Integrations
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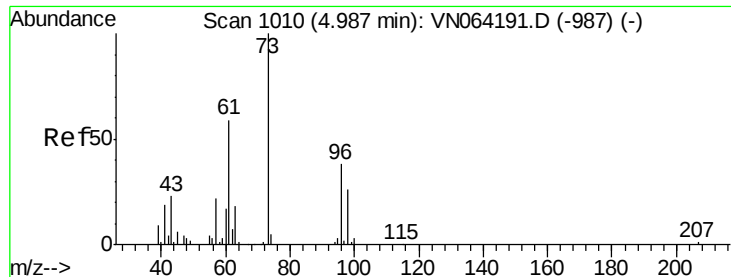
MMDadoda
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#18
Methylene Chloride
Concen: 18.327 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion:	84	Resp:	61641
Ion	Ratio	Lower	Upper
84	100		
49	122.0	97.6	146.4
51	38.9	31.1	46.7
86	61.6	49.3	73.9





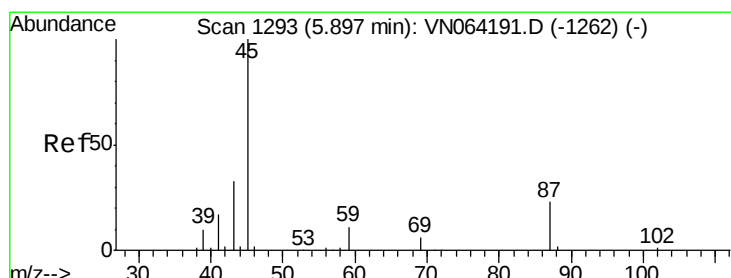
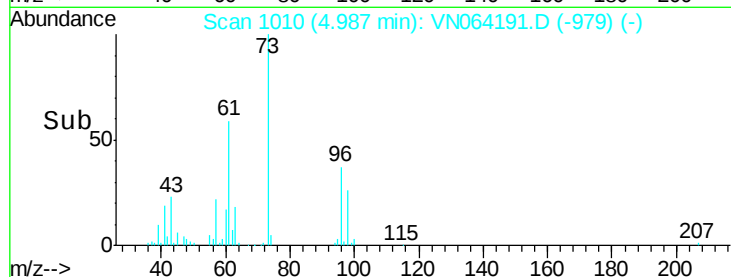
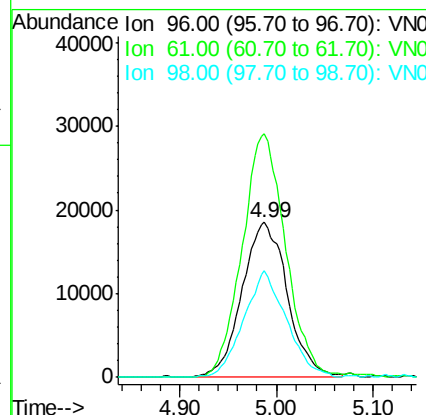
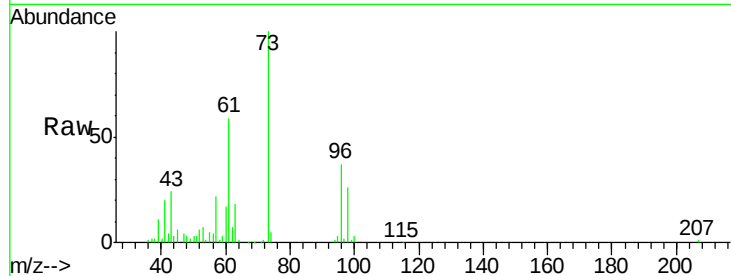
#19
trans-1,2-Dichloroethene
Concen: 18.654 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.9	125.5	188.3
98	68.4	54.7	82.1

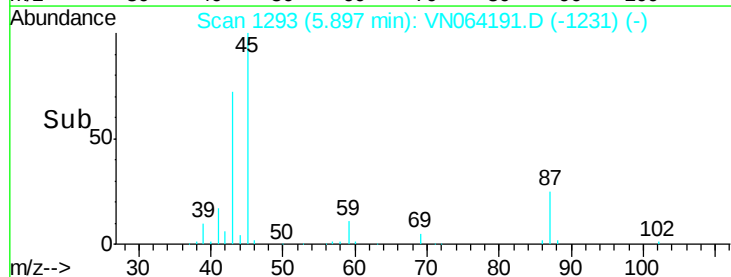
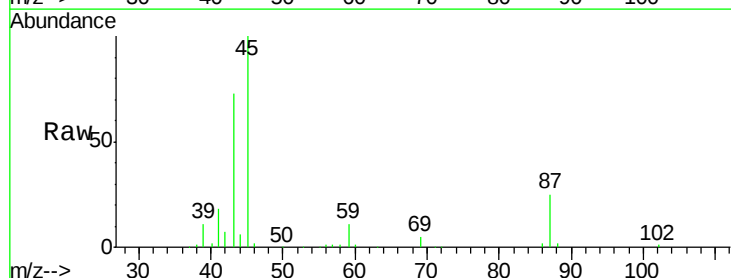
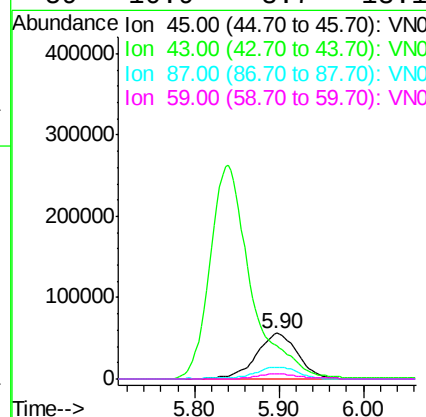
Manual Integrations
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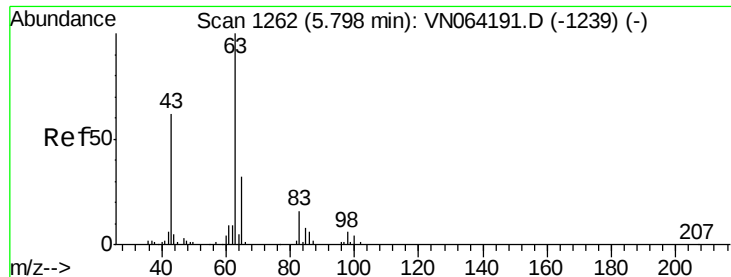
MMDadoda
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#20
Diisopropyl ether
Concen: 18.176 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.9	55.1	82.7
87	24.3	19.4	29.2
59	10.9	8.7	13.1





#21

1,1-Dichloroethane

Concen: 18.435 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

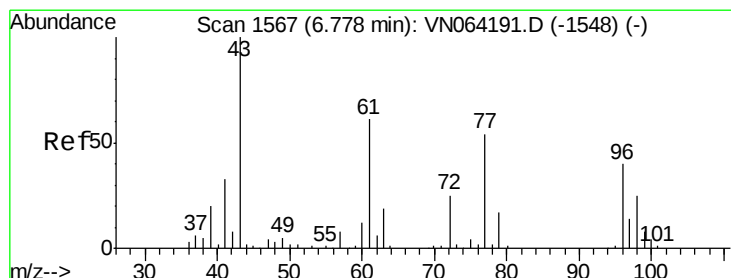
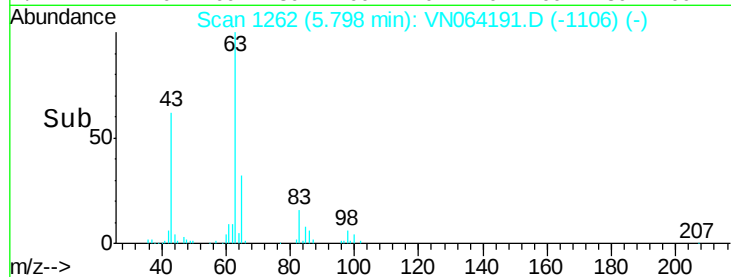
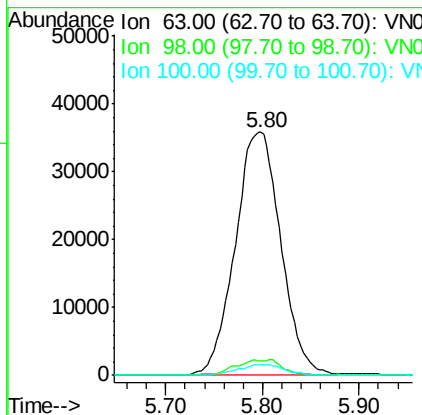
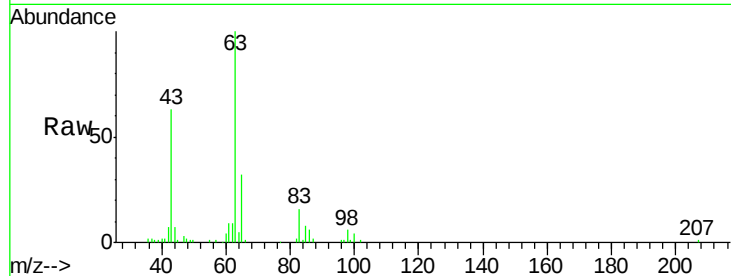
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	117420
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.9	8.7
100	4.2	2.1	6.3

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.218 ug/l

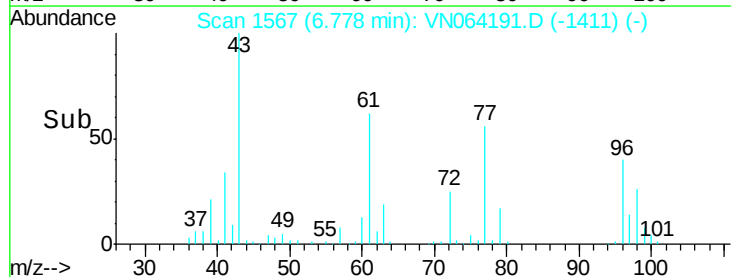
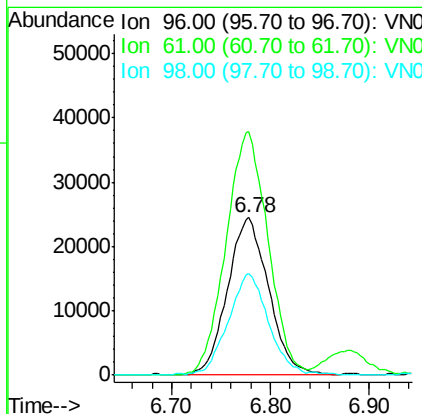
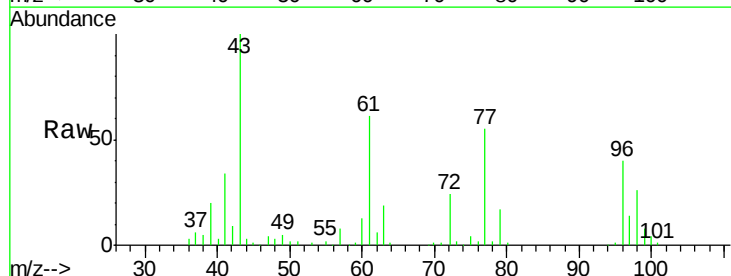
RT: 6.78 min Scan# 1567

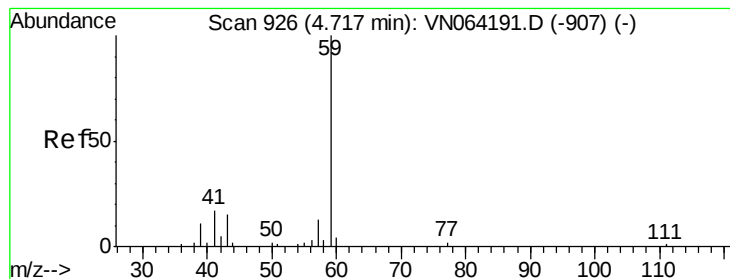
Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Tgt Ion:	96	Resp:	70931
Ion	Ratio	Lower	Upper
96	100		
61	157.8	126.2	189.4
98	62.8	50.2	75.4





#23

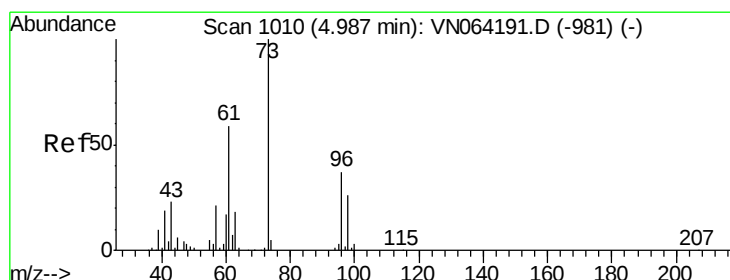
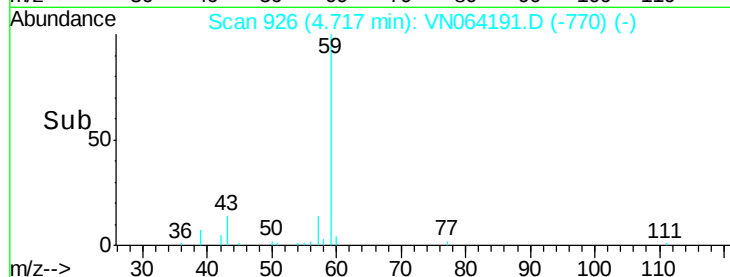
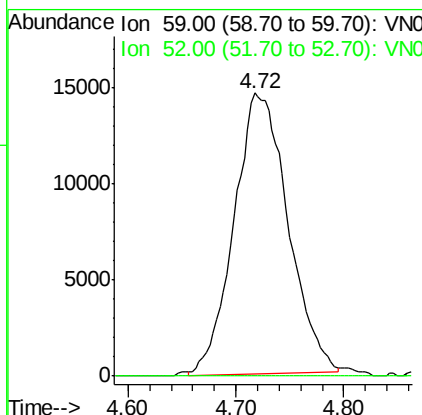
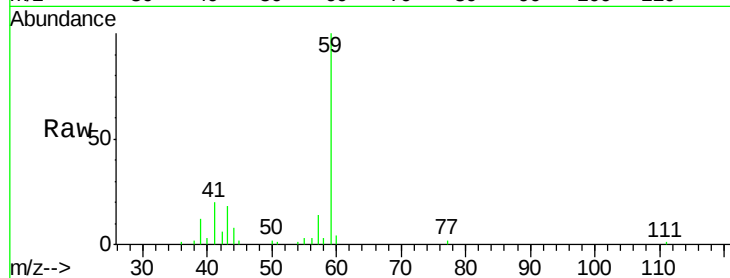
tert-Butyl Alcohol
 Concen: 84.406 ug/l
 RT: 4.72 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	59	52	Ratio	100	0.0	Resp:	50856	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp:	50856	Lower	Upper

Manual Integrations
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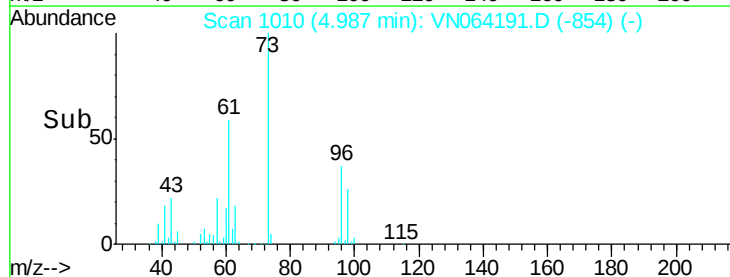
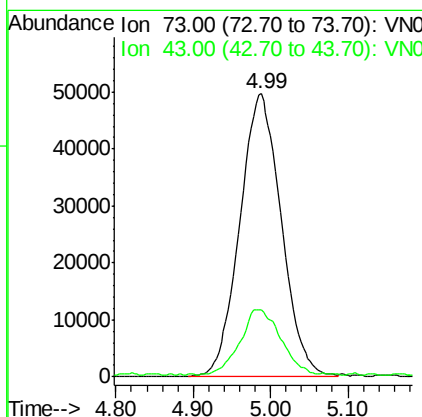
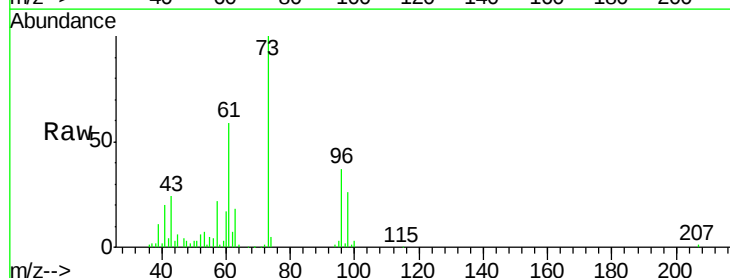
MMDadoda
 10/23/2020 2:28:35 PM

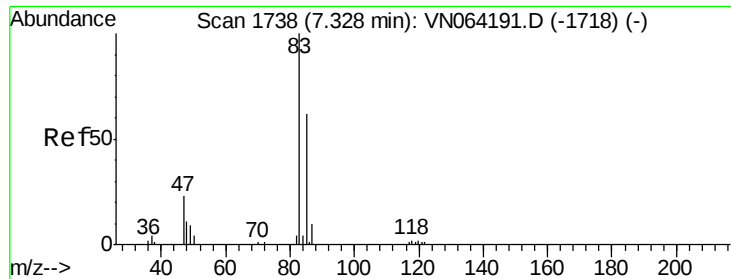


#24

Methyl tert-Butyl Ether
 Concen: 19.377 ug/l
 RT: 4.99 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Tgt Ion	73	43	Ratio	100	22.7	Resp:	185619	Lower	Upper
Ion	73	43	Ratio	100	22.7	Resp:	185619	Lower	Upper





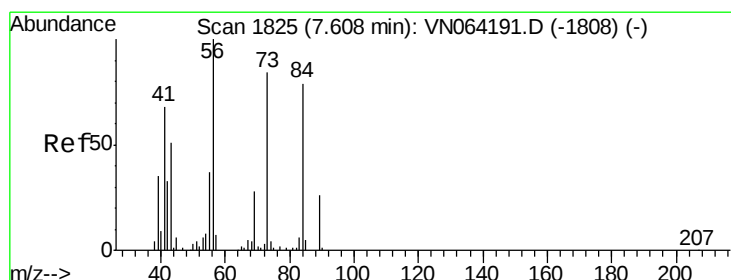
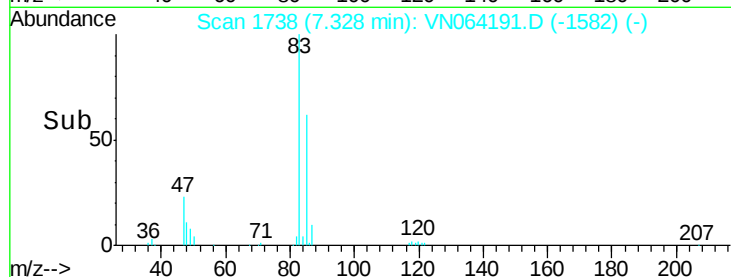
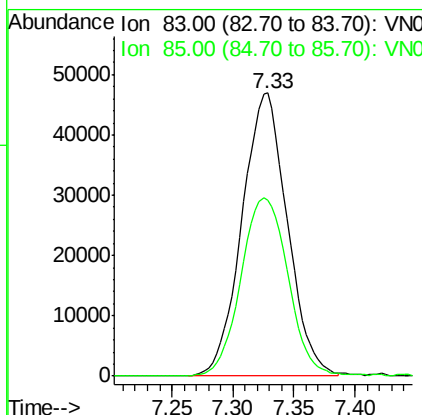
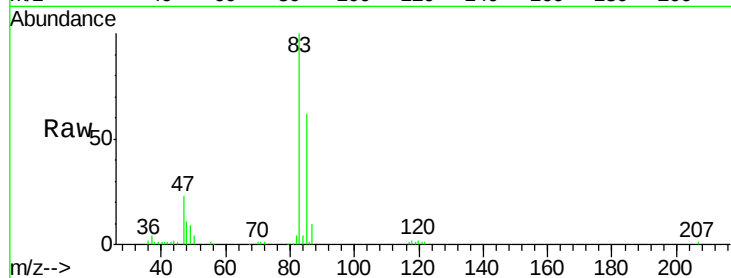
#25
Chloroform
Concen: 18.135 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	120942
Ion Ratio	100	Lower	Upper
85	62.1	49.7	74.5

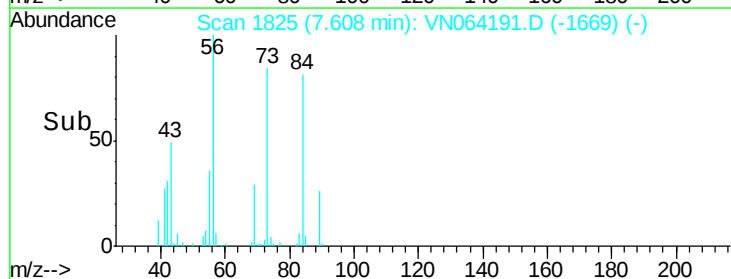
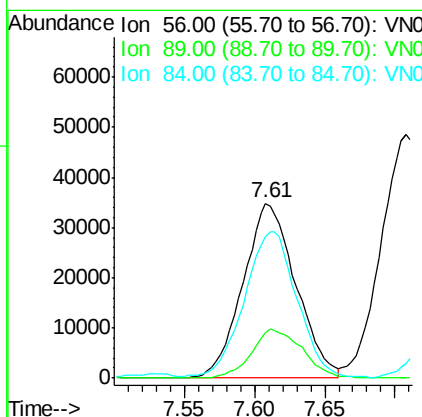
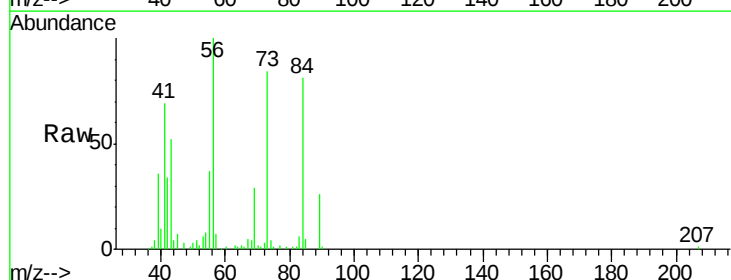
Manual Integrations
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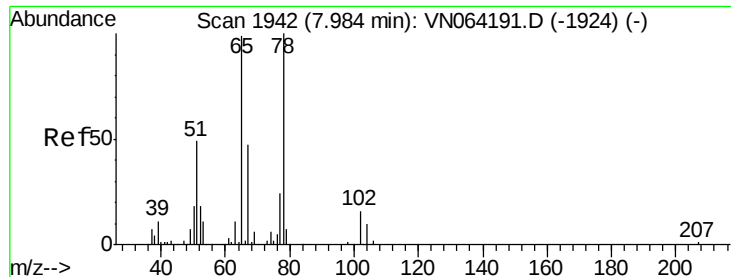
MMDadoda
10/23/2020 2:28:35 PM



#26
Cyclohexane
Concen: 19.352 ug/l
RT: 7.61 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion	56	Resp	91012
Ion Ratio	100	Lower	Upper
89	26.7	21.4	32.0
84	82.2	65.8	98.6





#27

1,2-Dichloroethane-d4

Concen: 28.785 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 65 Resp: 139155

Ion Ratio Lower Upper

65 100

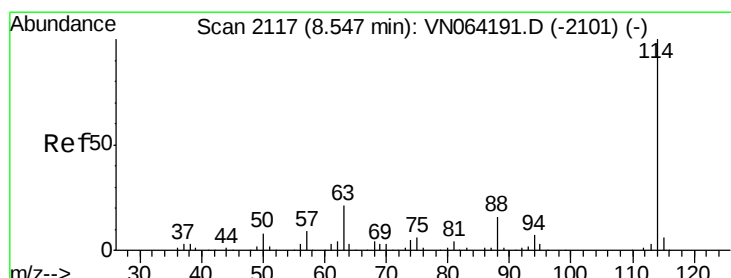
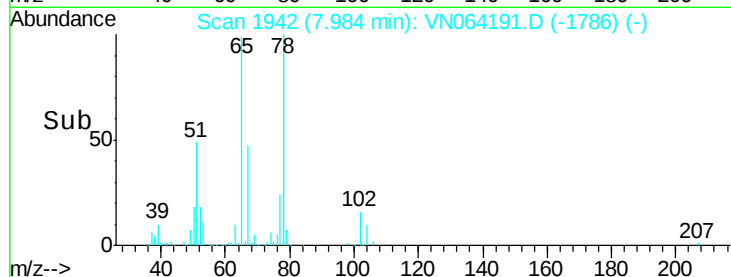
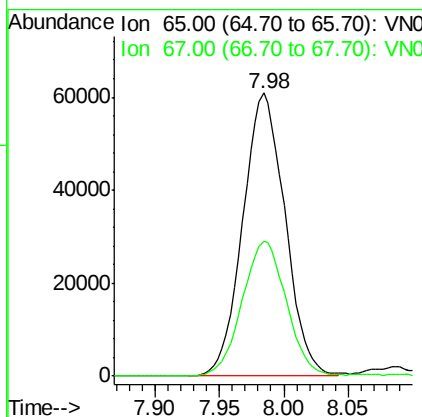
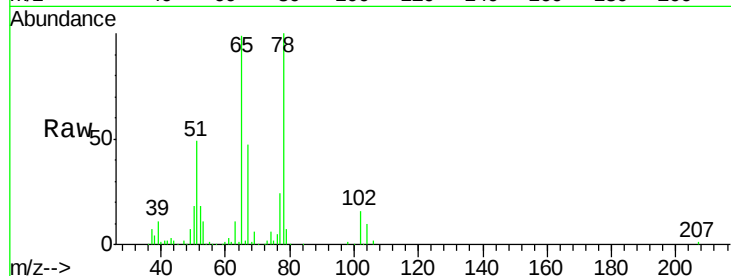
67 49.7 39.8 59.6

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

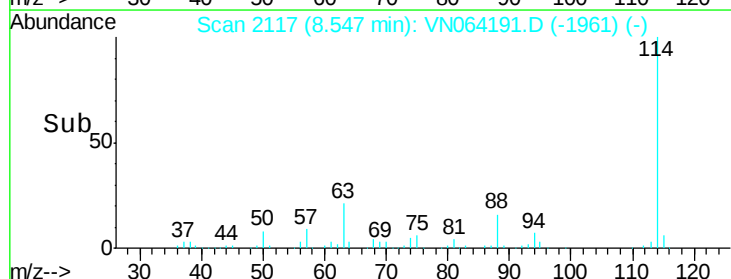
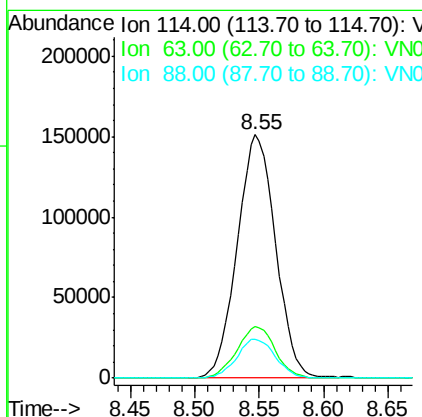
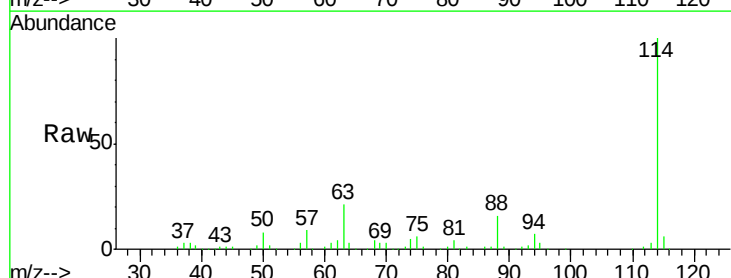
Tgt Ion: 114 Resp: 313721

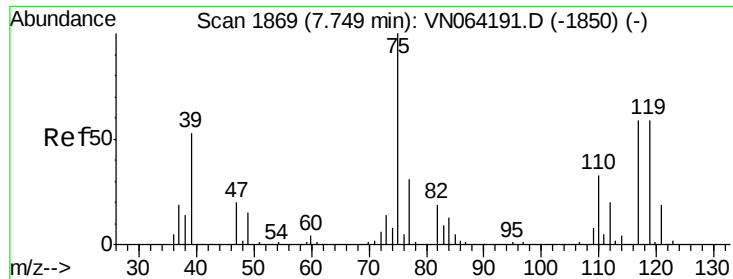
Ion Ratio Lower Upper

114 100

63 21.2 17.0 25.4

88 16.2 13.0 19.4





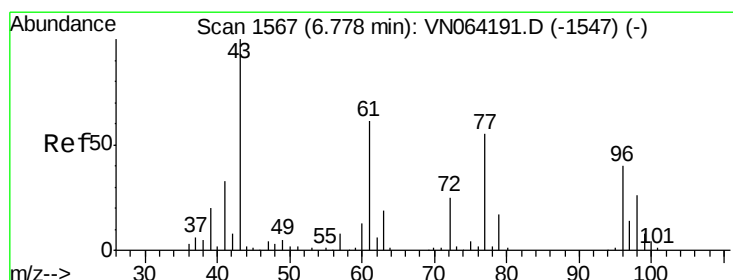
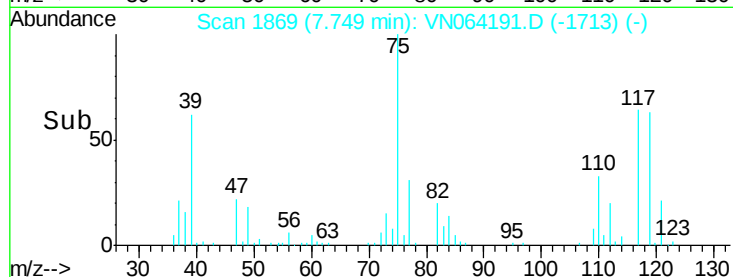
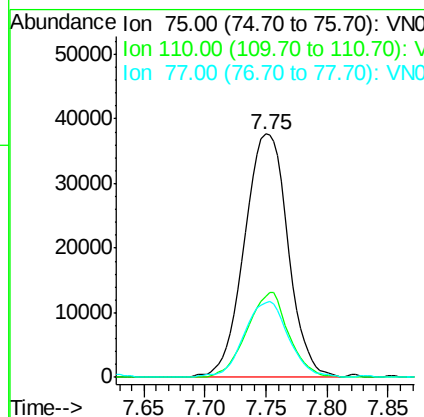
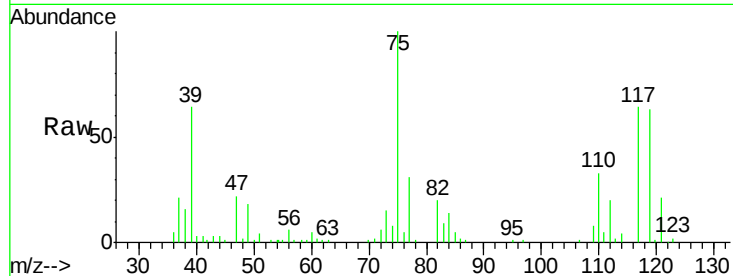
#29
 1,1-Dichloropropene
 Concen: 17.766 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.4	0.0	66.8
77	31.8	0.0	63.6

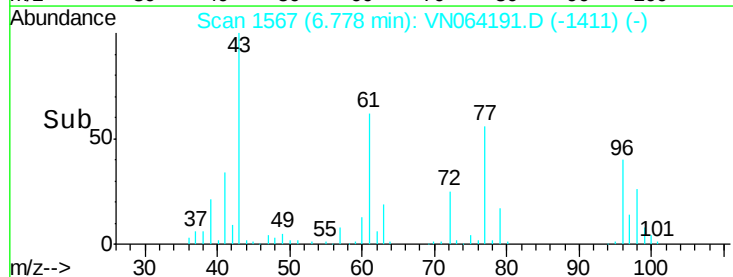
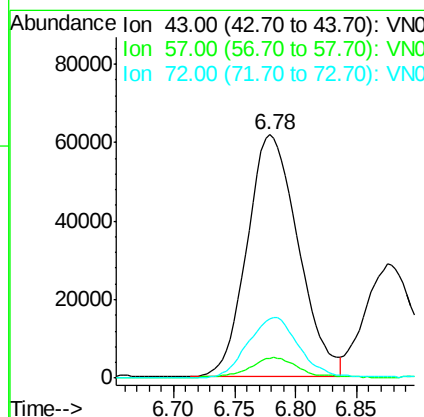
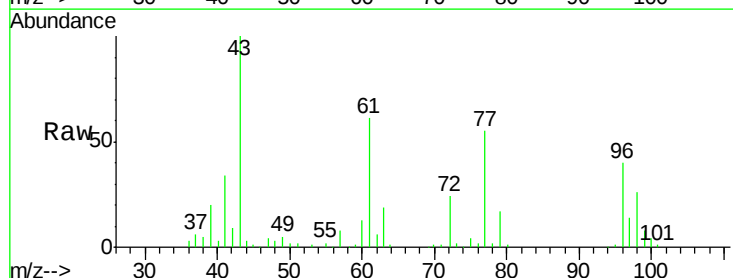
Manual Integrations
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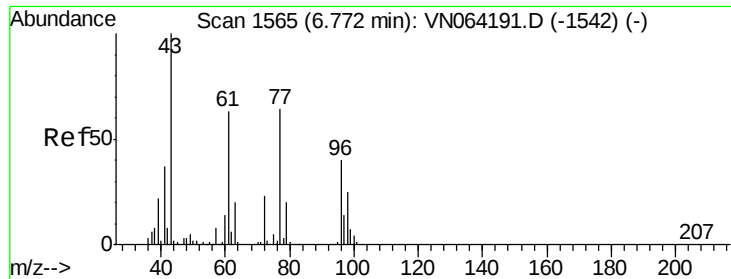
MMDadoda
 10/23/2020 2:28:35 PM



#30
 2-Butanone
 Concen: 71.955 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.2	5.8	8.6
72	24.8	19.8	29.8





#31

2,2-Dichloropropane

Concen: 18.609 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 77 Resp: 117695

Ion Ratio Lower Upper

77 100

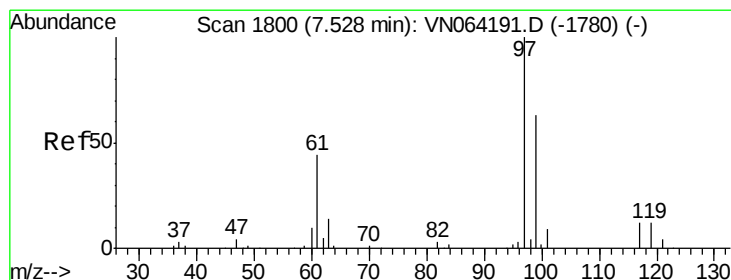
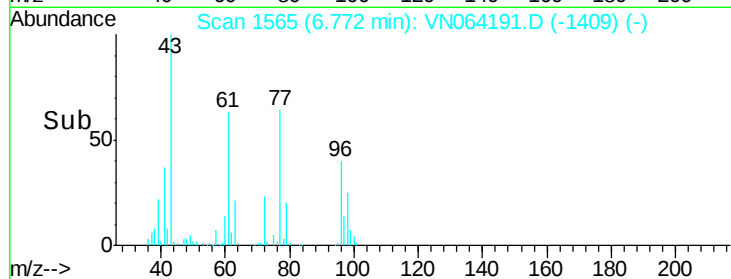
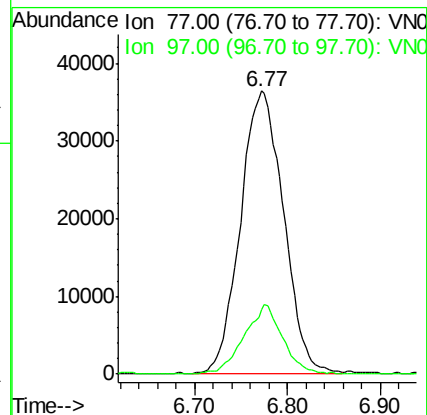
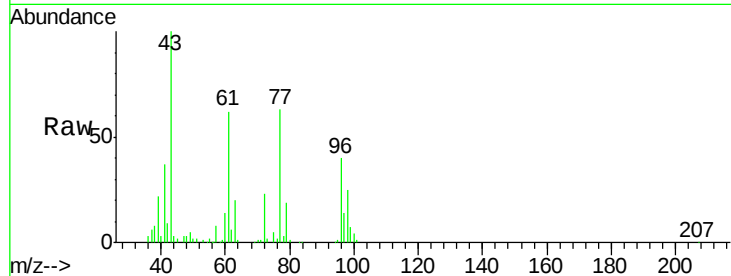
97 21.6 17.3 25.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 17.488 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

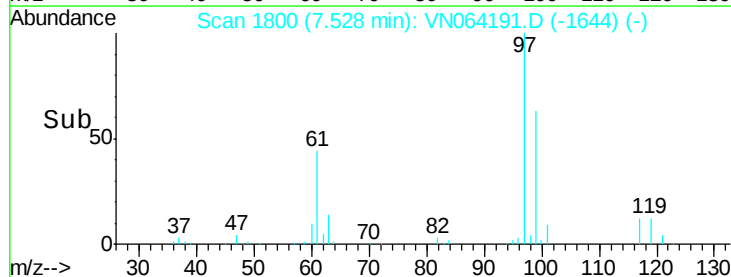
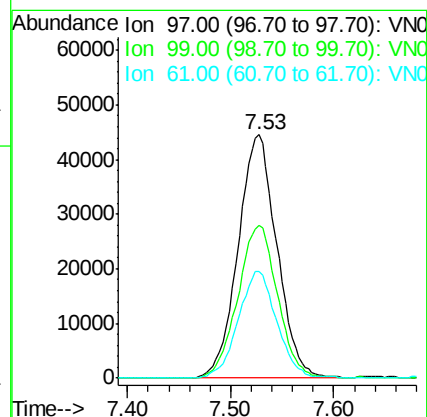
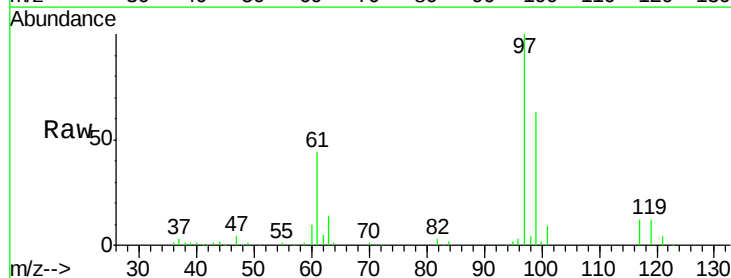
Tgt Ion: 97 Resp: 116450

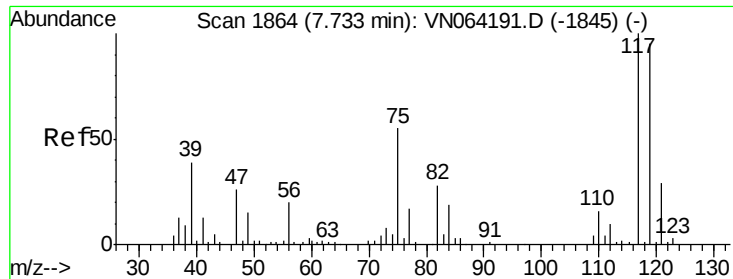
Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 43.5 34.8 52.2





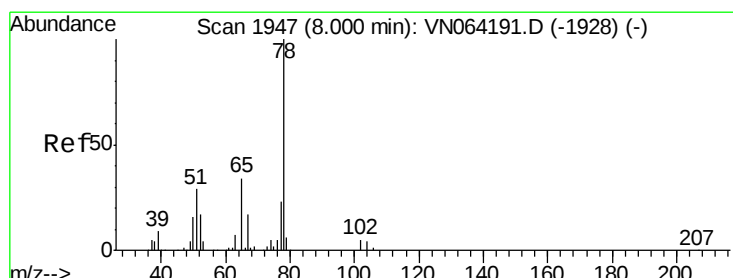
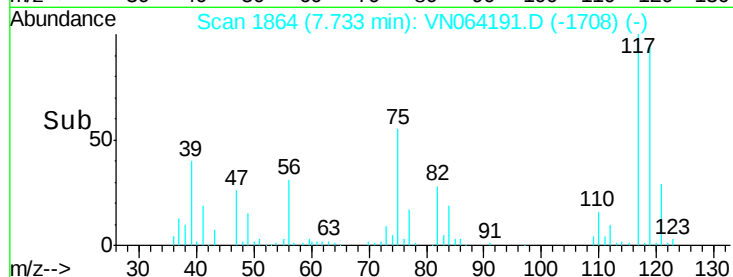
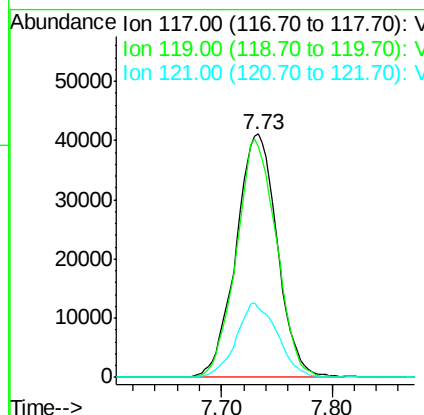
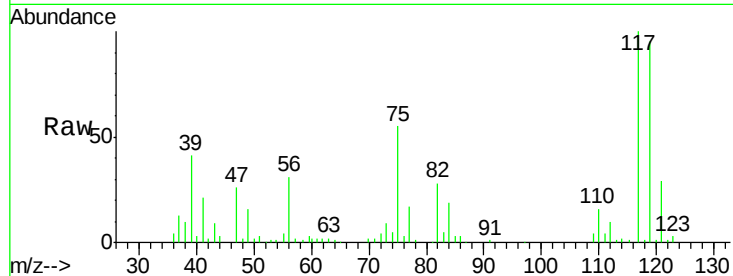
#33
Carbon Tetrachloride
Concen: 18.049 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.0	114.0
121	28.8	23.0	34.6

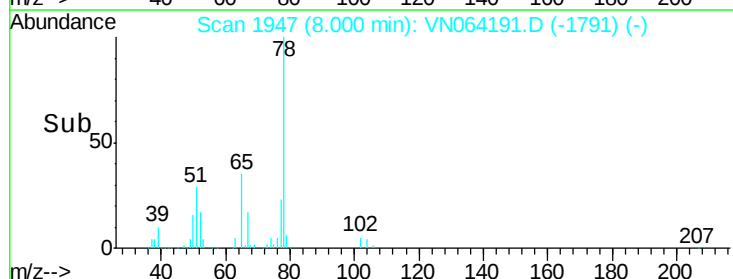
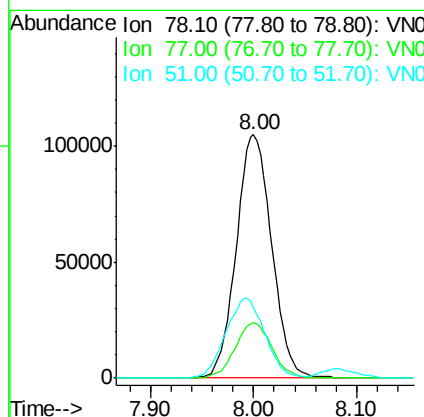
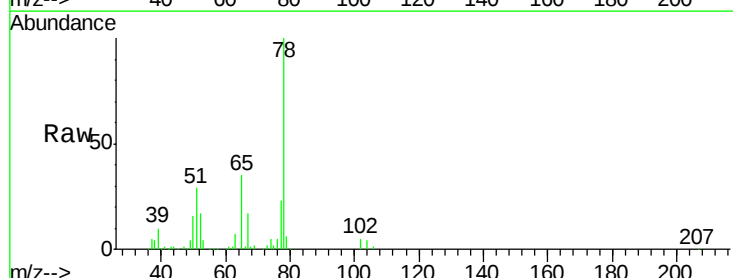
Manual Integrations
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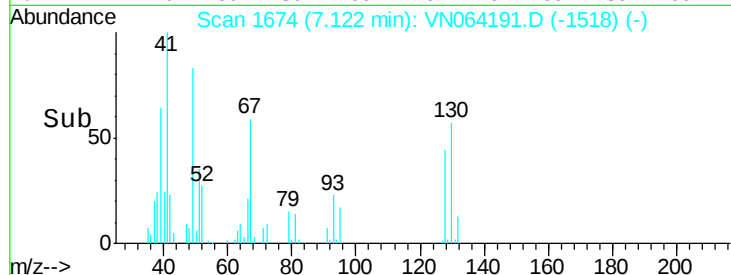
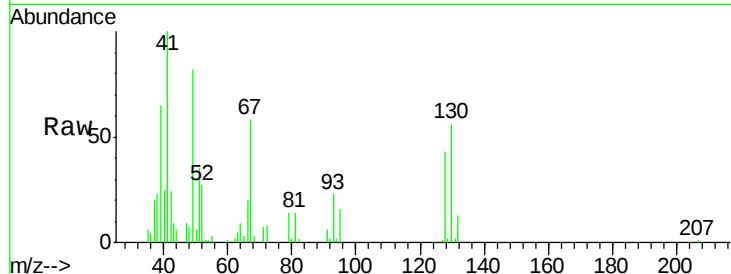
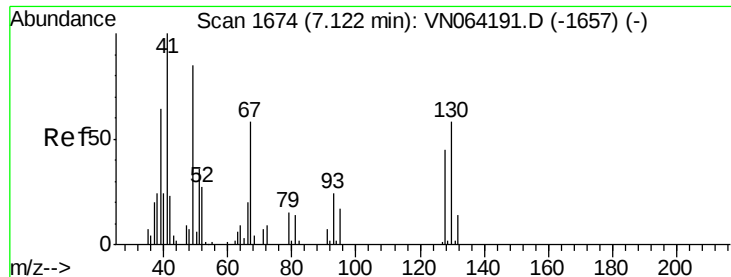
MMDadoda
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#34
Benzene
Concen: 16.970 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

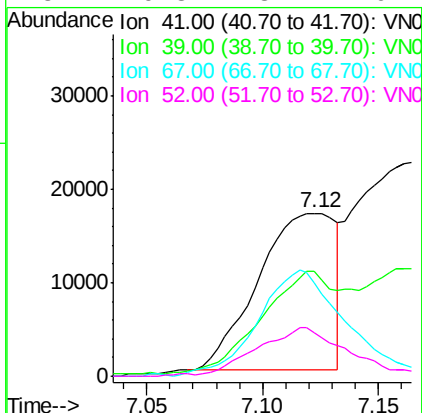
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.4	27.6
51	28.8	23.0	34.6





#35
Methacrylonitrile
Concen: 15.855 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

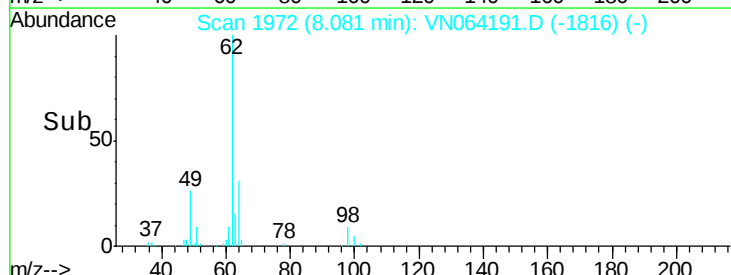
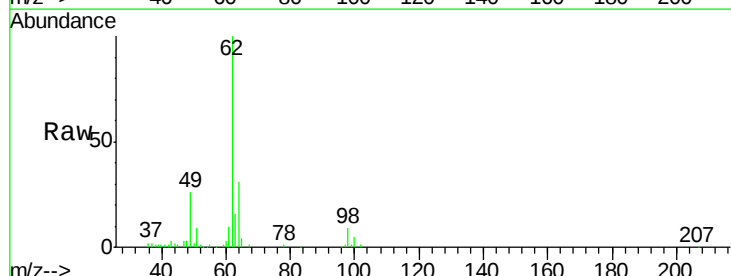
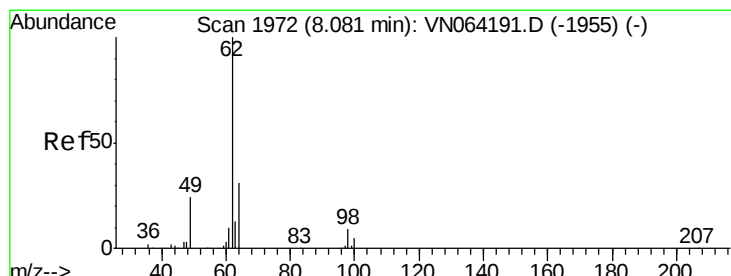
Tot Ion	41	Resp	38779
Ion Ratio	Lower	Upper	
41	100		
39	64.2	32.1	96.3
67	57.9	28.9	86.8
52	26.8	13.4	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

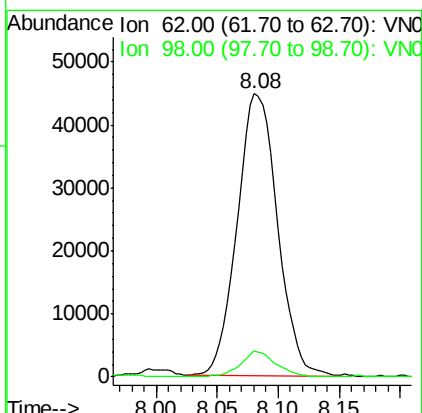
Manual Integrations
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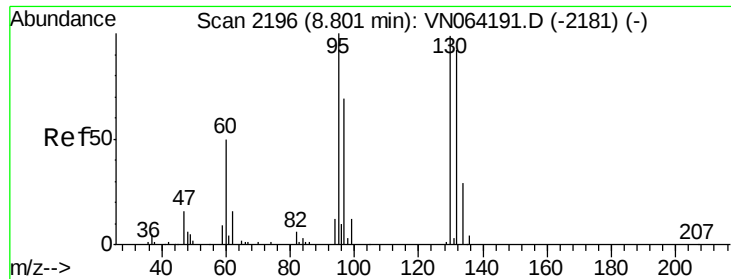
MMDadoda
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#36
1,2-Dichloroethane
Concen: 15.941 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion	62	Resp	102426
Ion Ratio	Lower	Upper	
62	100		
98	7.9	6.3	9.5





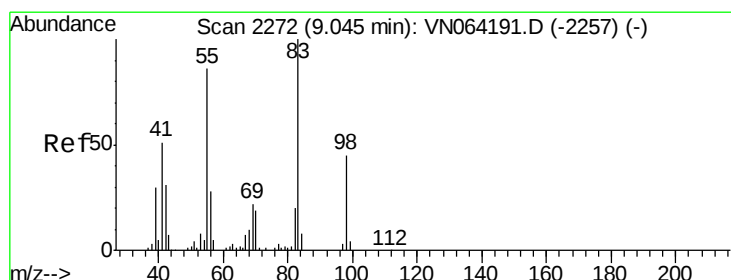
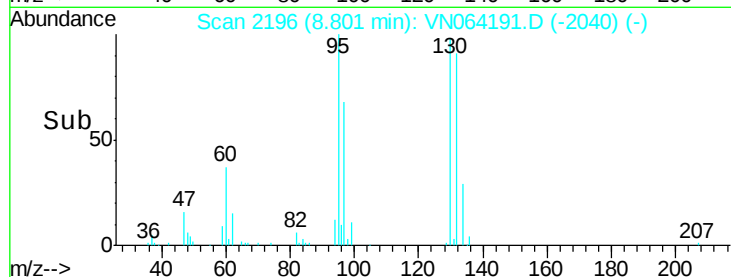
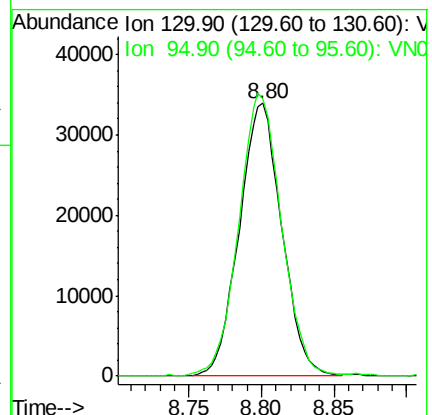
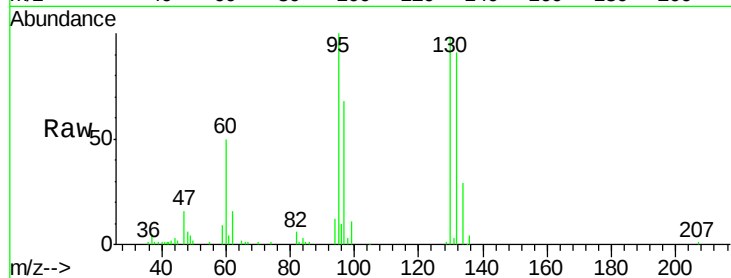
#37
 Trichloroethene
 Concen: 17.564 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 69108
 Ion Ratio Lower Upper
 130 100
 95 101.2 81.0 121.4

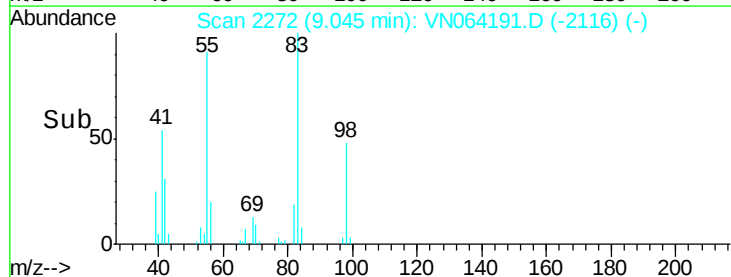
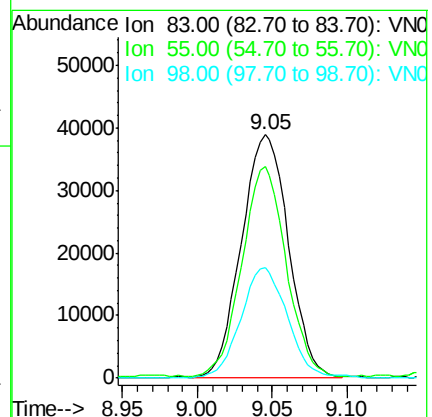
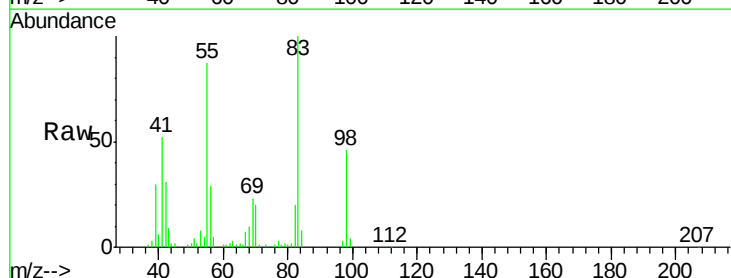
Manual Integrations
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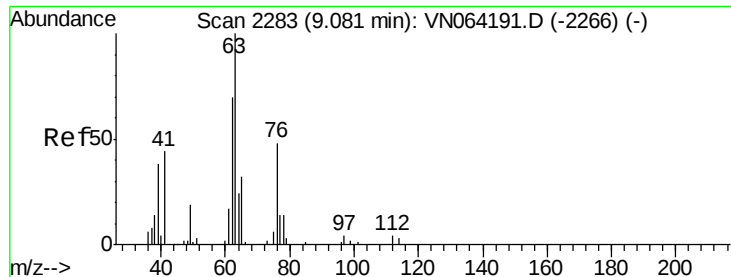
MMDadoda
 10/23/2020 2:28:35 PM



#38
 Methylcyclohexane
 Concen: 18.871 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Tgt Ion: 83 Resp: 85537
 Ion Ratio Lower Upper
 83 100
 55 80.6 40.3 120.9
 98 44.7 22.4 67.0





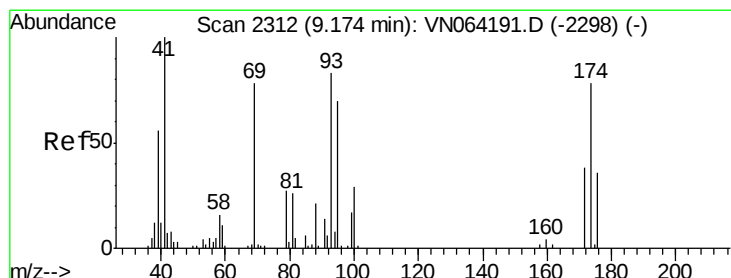
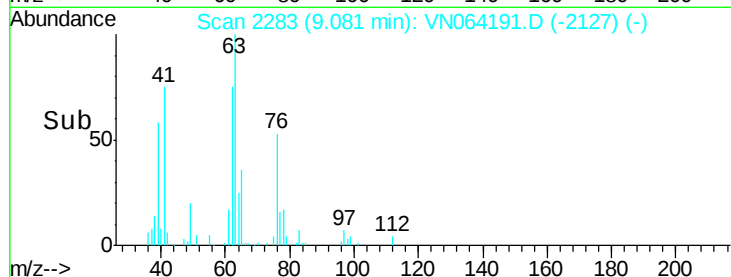
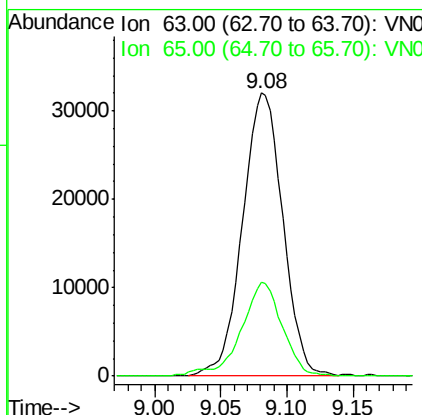
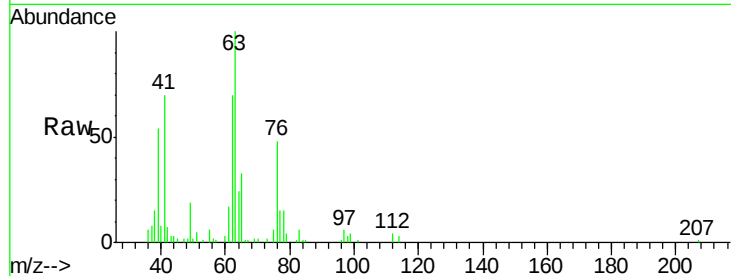
#39
 1,2-Dichloropropane
 Concen: 16.906 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 63 Resp: 67600
 Ion Ratio Lower Upper
 63 100
 65 33.1 26.5 39.7

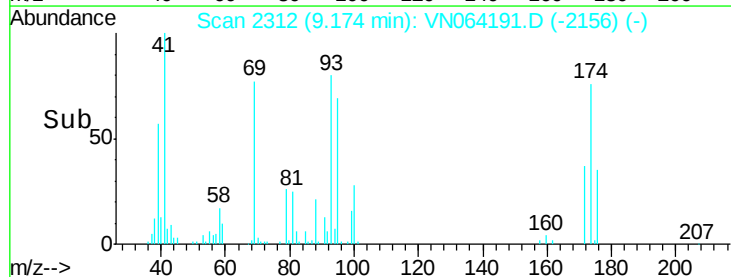
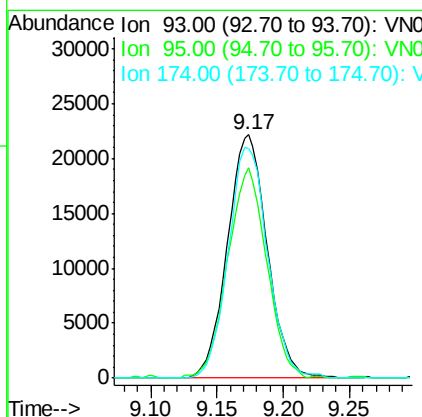
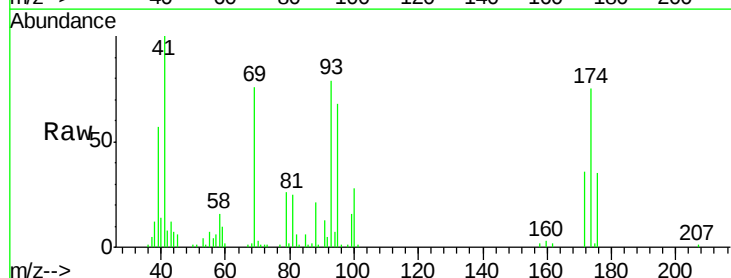
Manual Integrations
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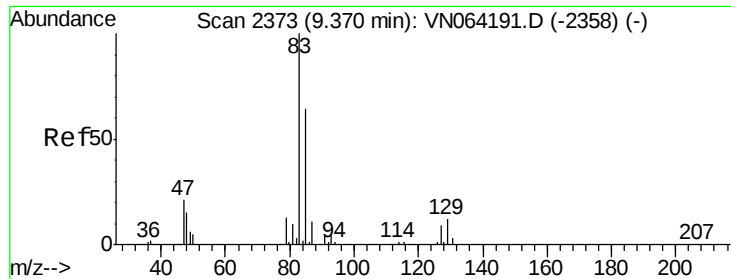
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 10/23/2020 2:28:35 PM



#40
 Dibromomethane
 Concen: 16.607 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Tgt Ion: 93 Resp: 46202
 Ion Ratio Lower Upper
 93 100
 95 84.6 0.0 169.2
 174 93.7 0.0 187.4





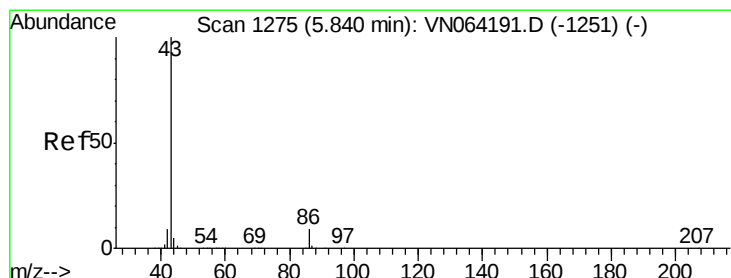
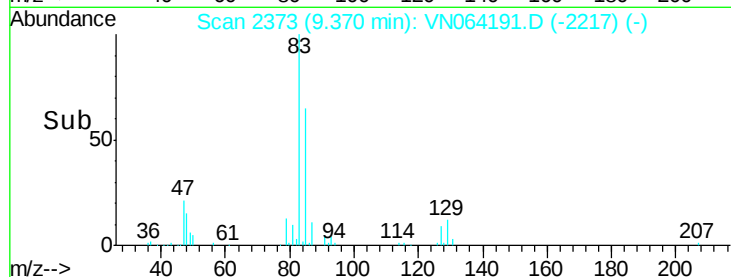
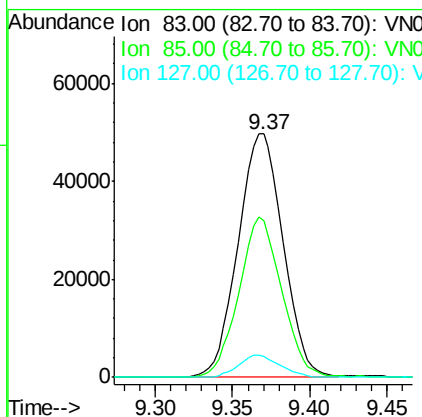
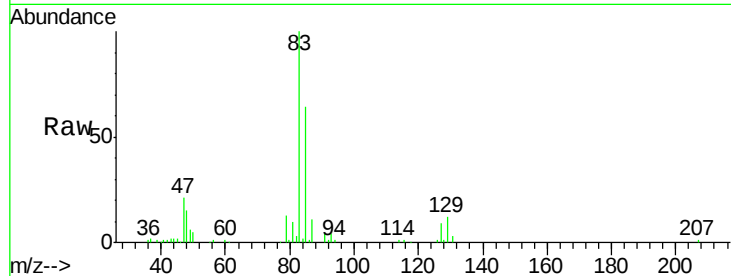
#41
Bromodichloromethane
Concen: 17.152 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	100684
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	51.5	77.3
127	8.5	6.8	10.2

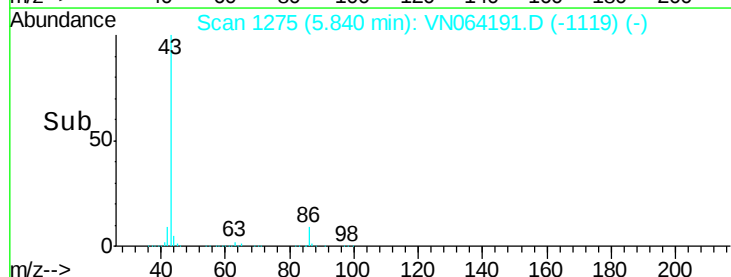
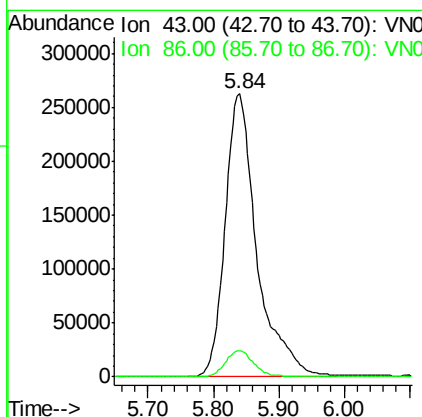
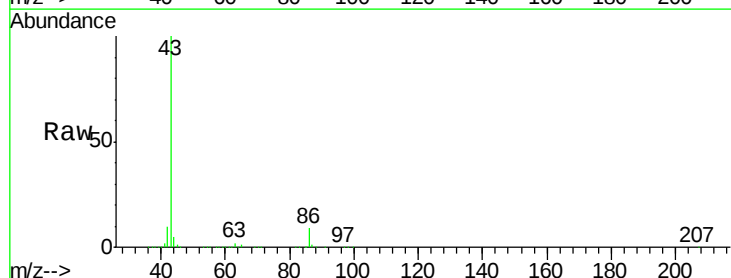
Manual Integrations
APPROVED

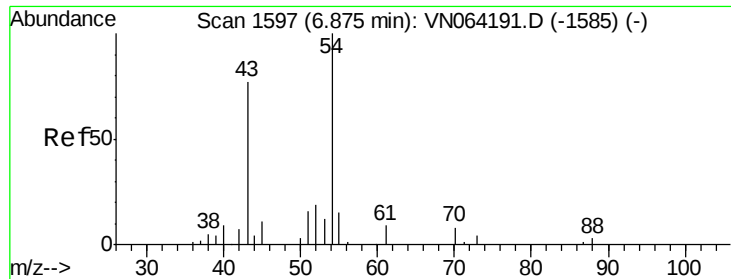
MMDadoda
10/23/2020 2:28:35 PM



#42
Vinyl Acetate
Concen: 83.235 ug/l
RT: 5.84 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion	43	Resp	881265
Ion Ratio	100	Lower	Upper
43	100		
86	8.4	6.7	10.1





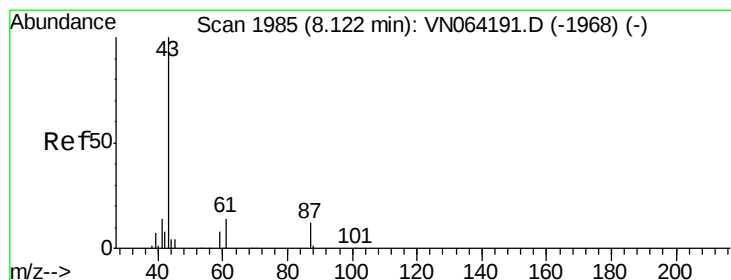
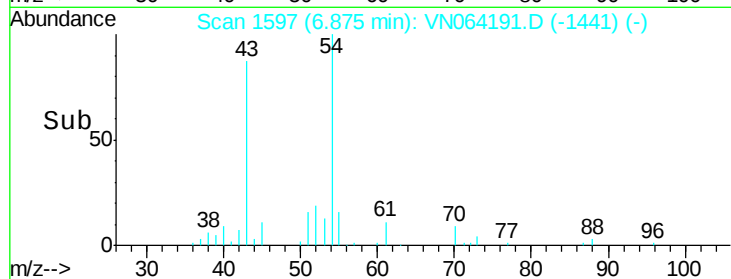
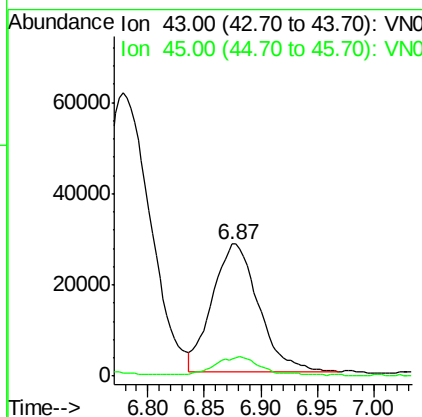
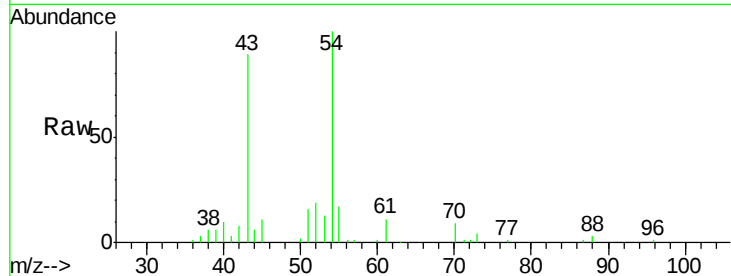
#43
Ethyl Acetate
Concen: 14.781 ug/l
RT: 6.87 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
45	12.3	9.8	14.8

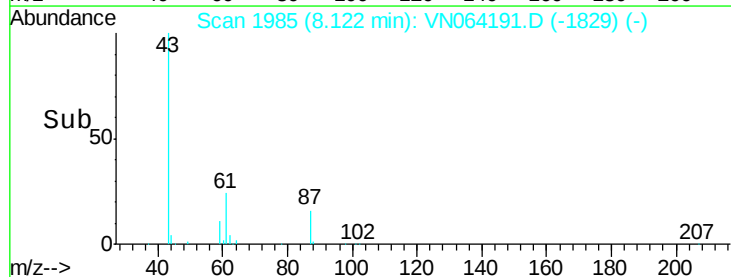
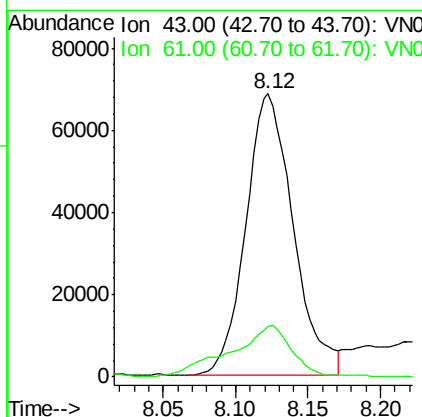
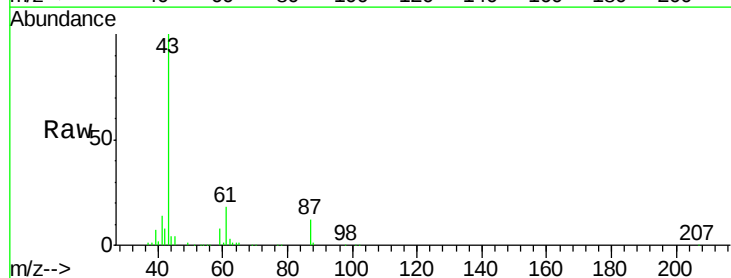
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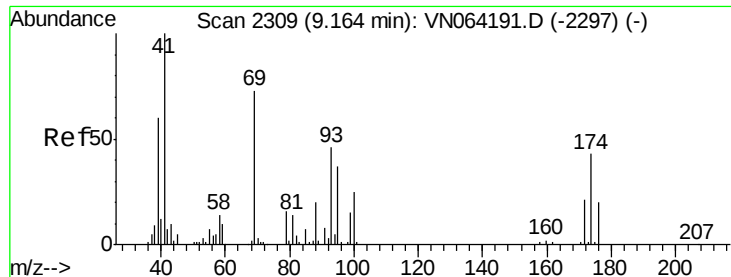
MMDadoda
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#44
Isopropyl Acetate
Concen: 17.130 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
61	23.4	18.7	28.1





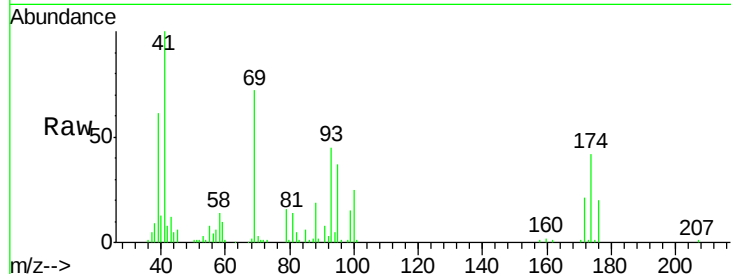
#45
1,4-Dioxane
Concen: 292.384 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	88	Resp	16648
Ion	Ratio	Lower	Upper
88	100		
43	46.2	37.0	55.4
58	78.0	62.4	93.6

Manual Integrations
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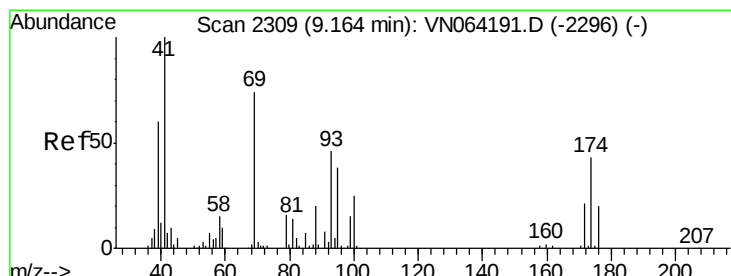
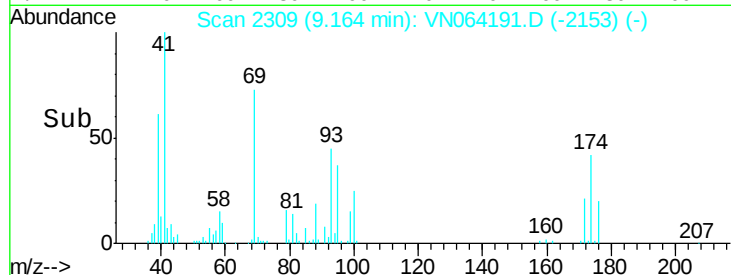
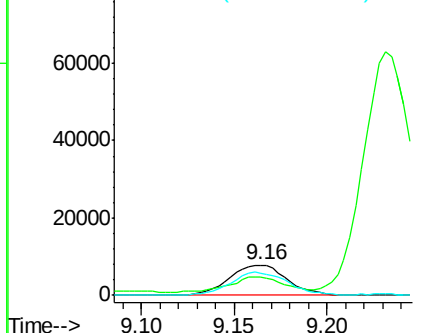


Abundance

Ion 88.00 (87.70 to 88.70): VNO

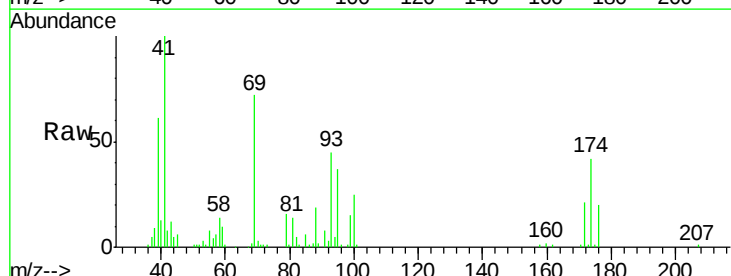
Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#46
Methyl methacrylate
Concen: 16.585 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion	41	Resp	74473
Ion	Ratio	Lower	Upper
41	100		
69	73.6	36.8	110.4
39	60.8	30.4	91.2

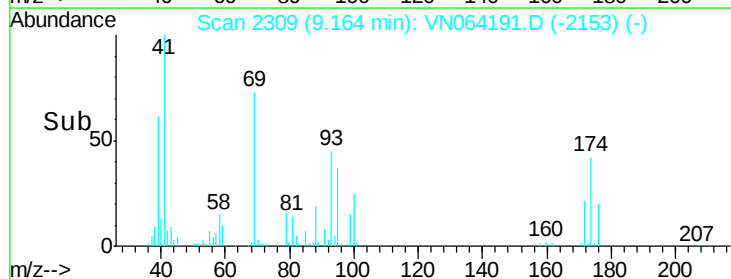
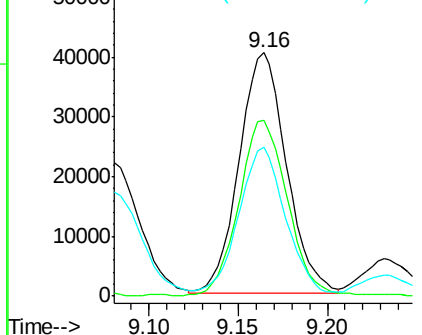


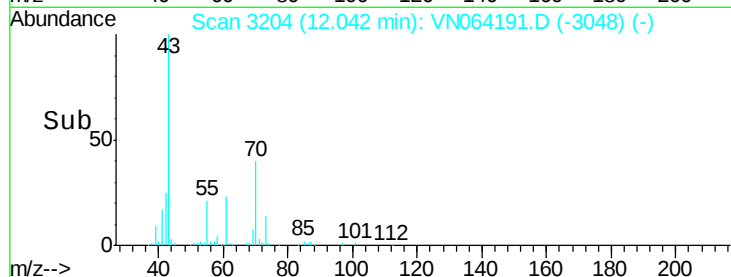
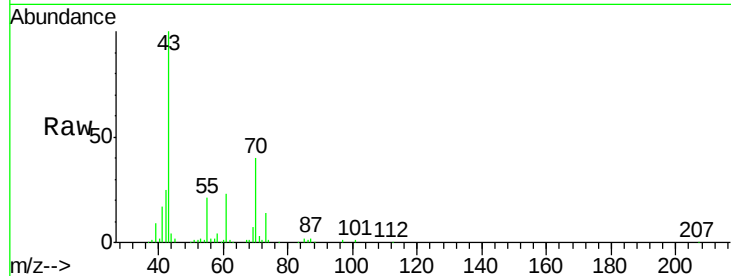
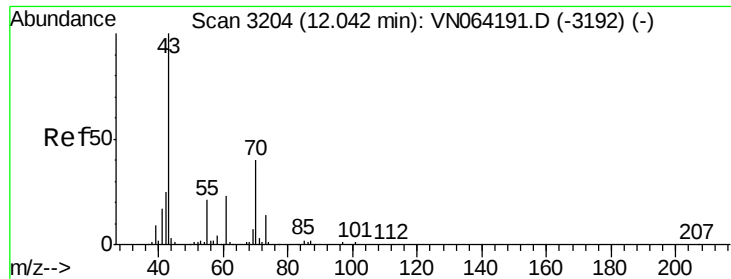
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





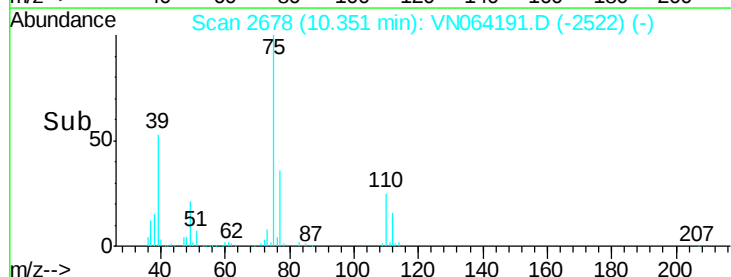
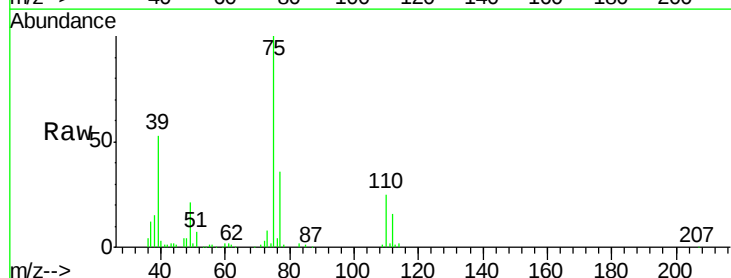
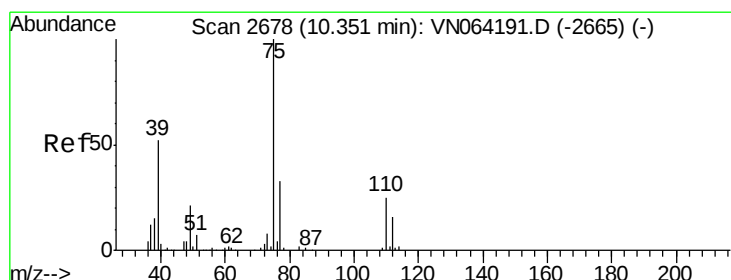
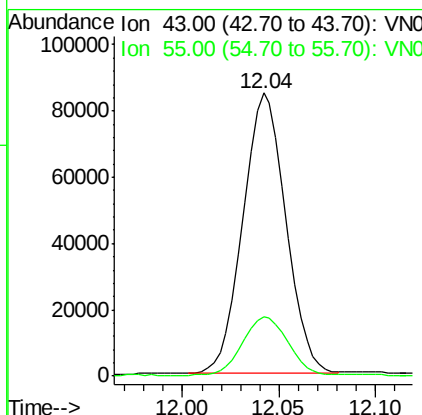
#47
n-amvl Acetate
Concen: 16.084 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tot Ion: 43 Resp: 130427
Ion Ratio Lower Upper
43 100
55 22.0 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

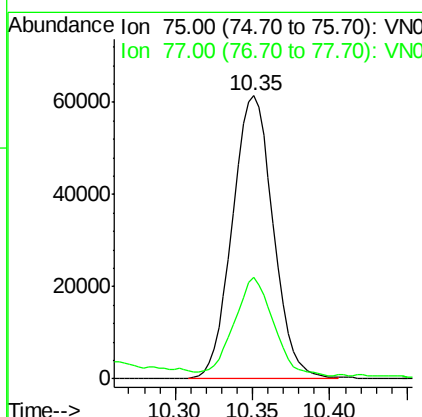
Manual Integrations
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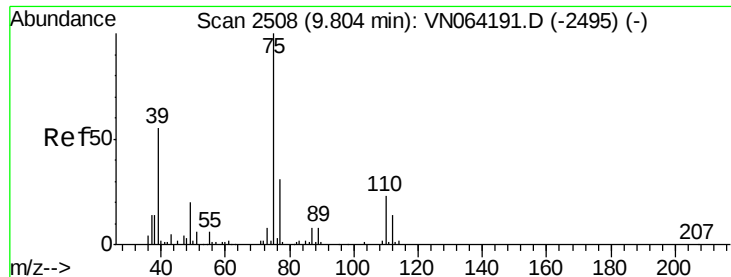
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#48
t-1,3-Dichloropropene
Concen: 17.661 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion: 75 Resp: 112777
Ion Ratio Lower Upper
75 100
77 34.3 27.4 41.2





#49

cis-1,3-Dichloropropene

Concen: 17.423 ug/l

RT: 9.80 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

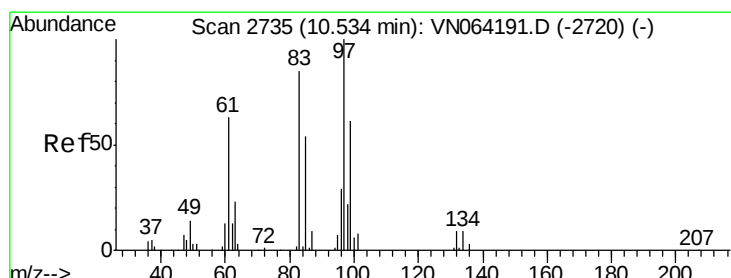
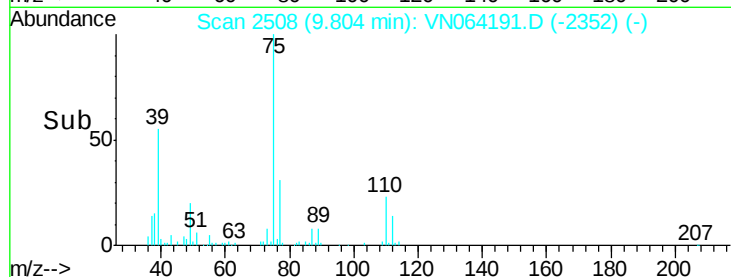
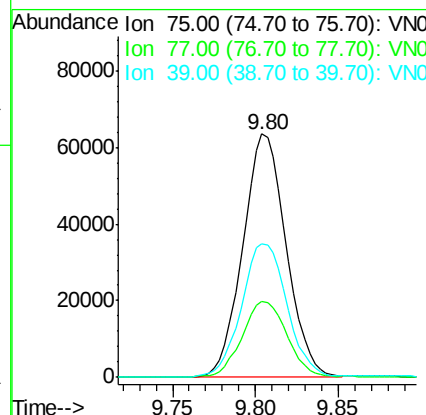
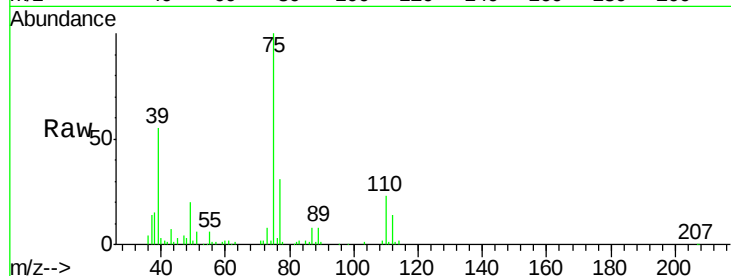
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	115622
Ion Ratio	Lower	Upper	
75	100		
77	30.6	24.5	36.7
39	54.8	43.8	65.8

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#50

1,1,2-Trichloroethane

Concen: 16.781 ug/l

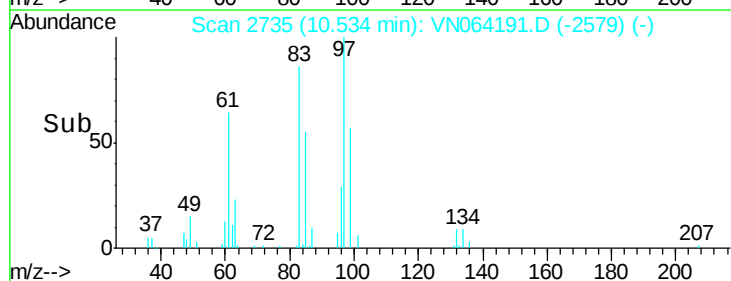
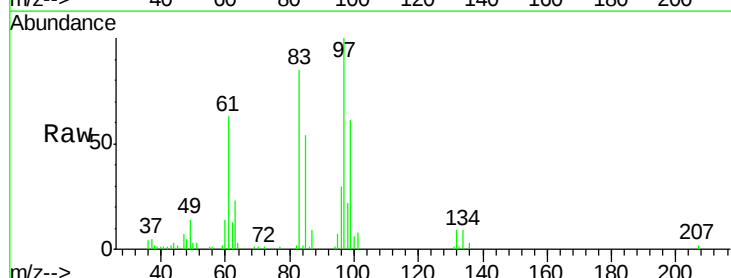
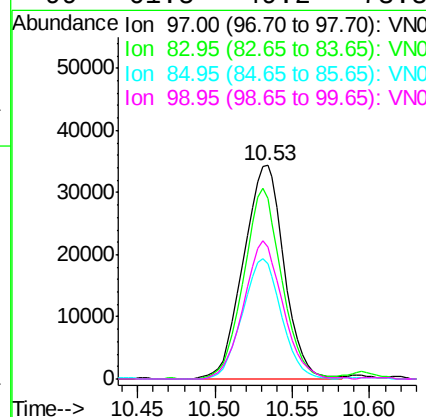
RT: 10.53 min Scan# 2735

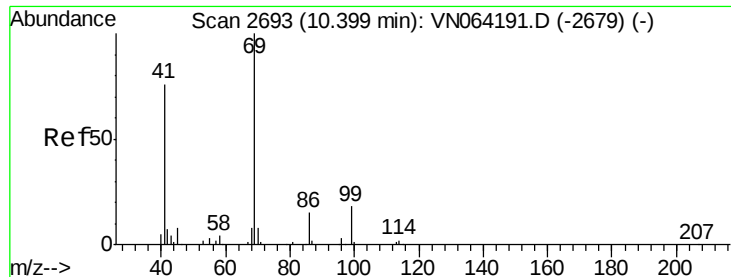
Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Tgt Ion:	97	Resp:	63041
Ion Ratio	Lower	Upper	
97	100		
83	84.6	67.7	101.5
85	54.0	43.2	64.8
99	61.5	49.2	73.8





#51

Ethyl methacrylate

Concen: 17.569 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

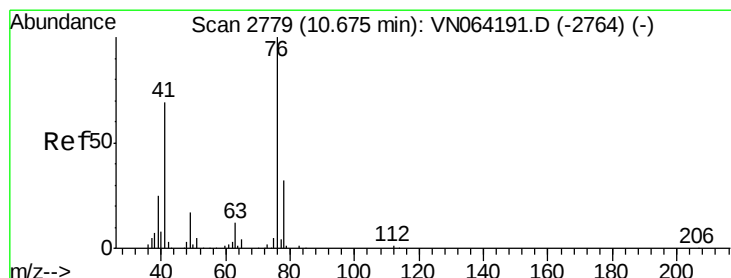
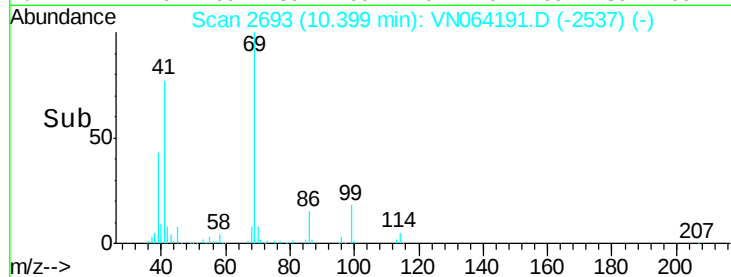
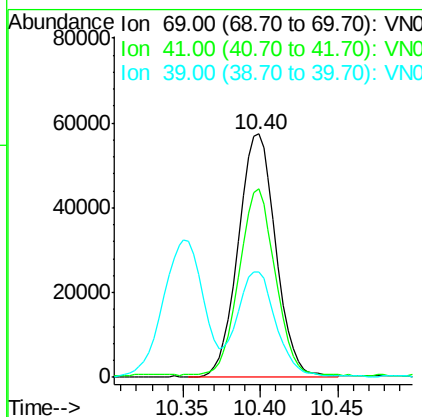
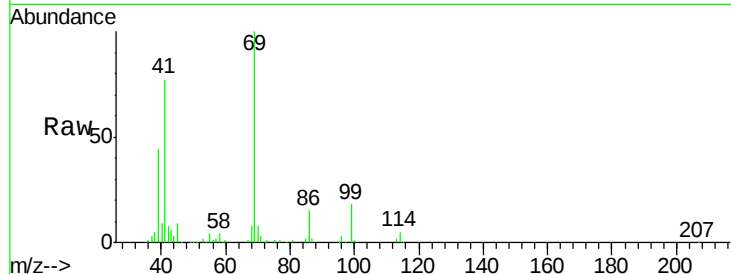
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	97256
Ion	Ratio	Lower	Upper
69	100		
41	76.1	38.0	114.1
39	42.9	21.4	64.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 16.597 ug/l

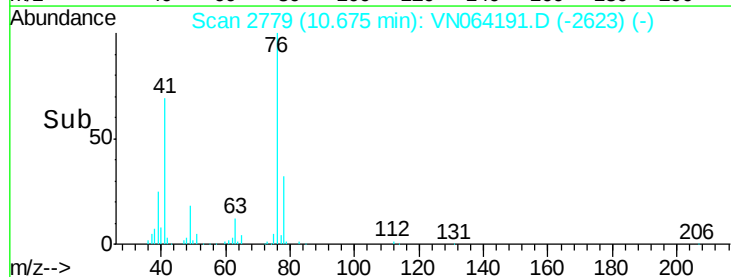
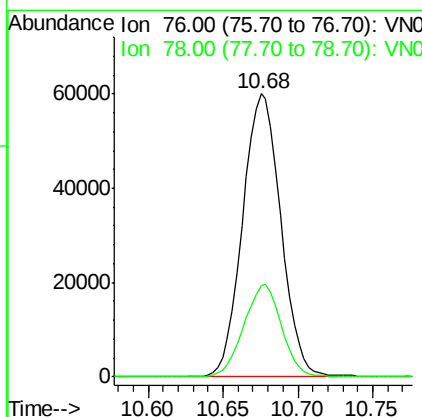
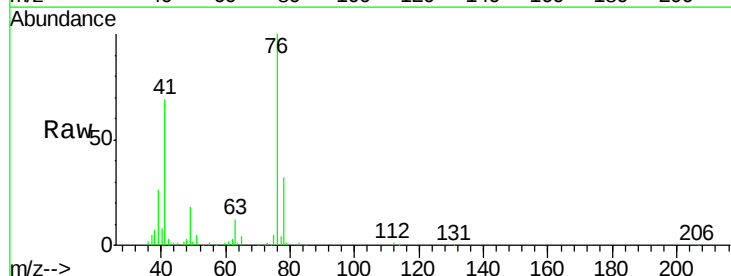
RT: 10.68 min Scan# 2779

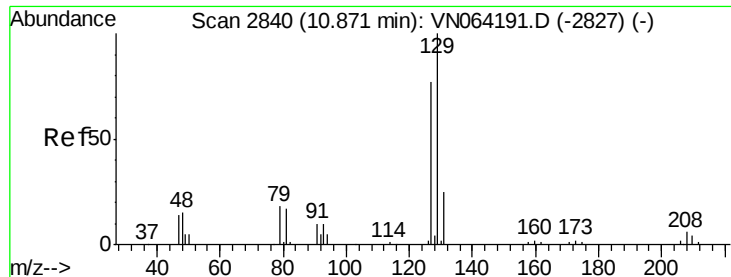
Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Tgt Ion:	76	Resp:	106817
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	64.4





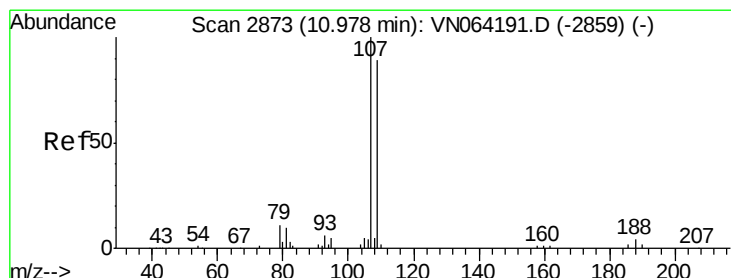
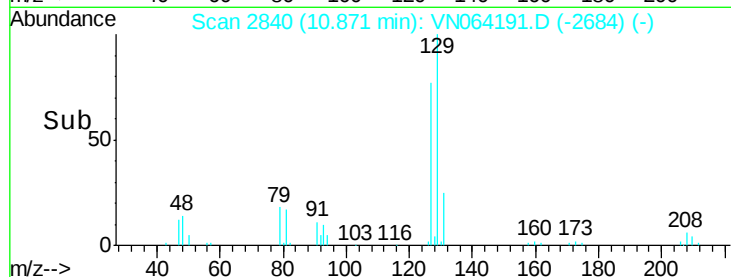
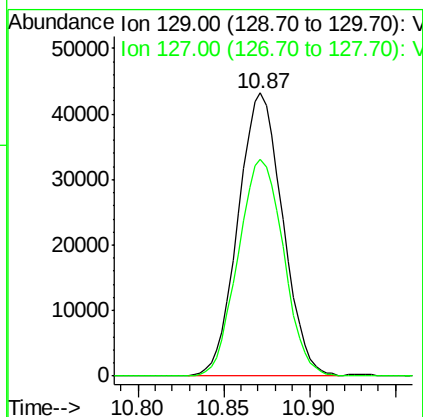
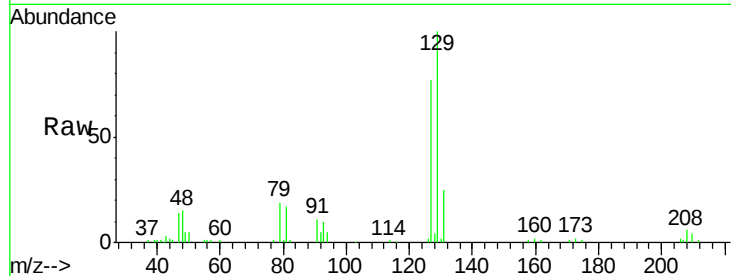
#53
Dibromochloromethane
Concen: 17.841 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:129 Resp: 77887
Ion Ratio Lower Upper
129 100
127 78.0 39.0 117.0

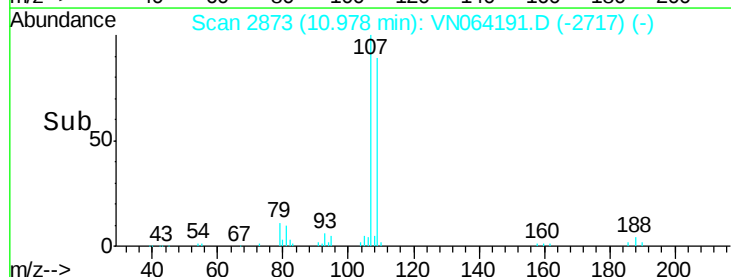
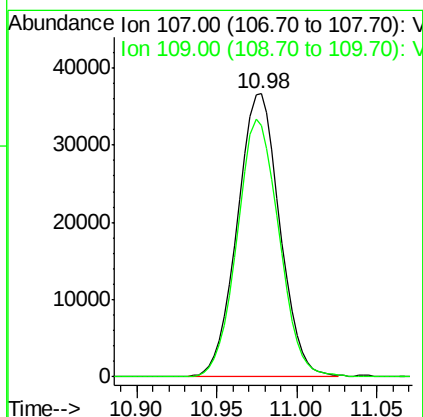
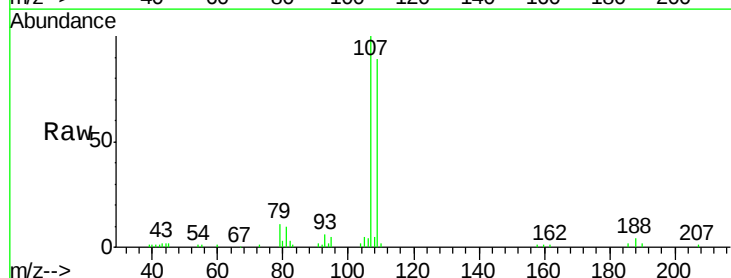
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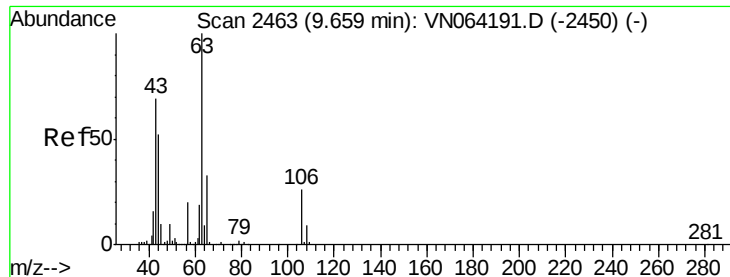
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#54
1,2-Dibromoethane
Concen: 16.881 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion:107 Resp: 66387
Ion Ratio Lower Upper
107 100
109 89.8 71.8 107.8





#55

2-Chloroethyl vinyl ether

Concen: 84.744 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 63 Resp: 251802

Ion Ratio Lower Upper

63 100

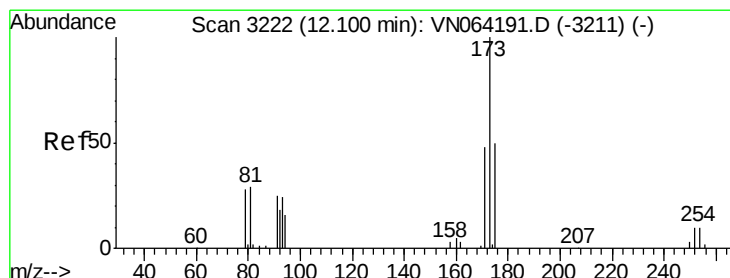
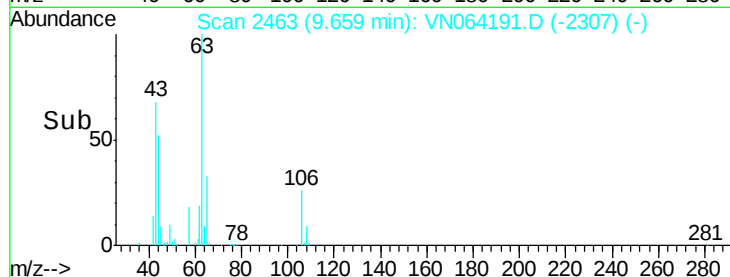
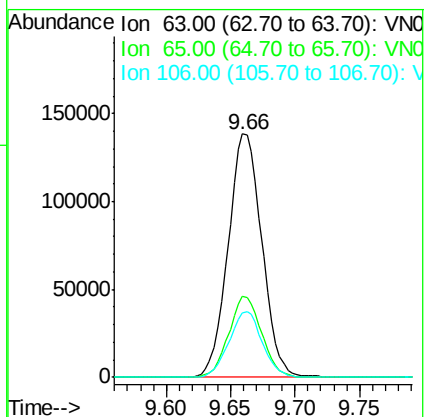
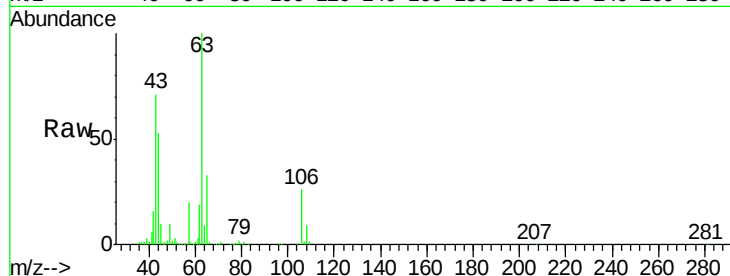
65 32.4 25.9 38.9

106 26.8 21.4 32.2

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#56

Bromoform

Concen: 17.525 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

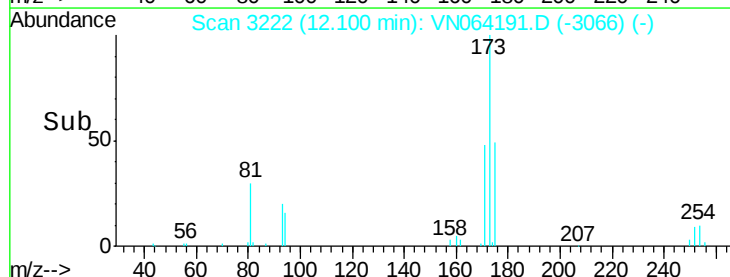
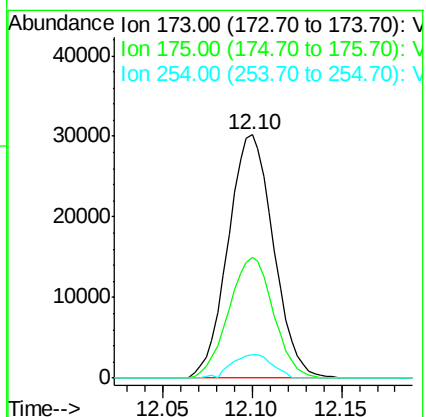
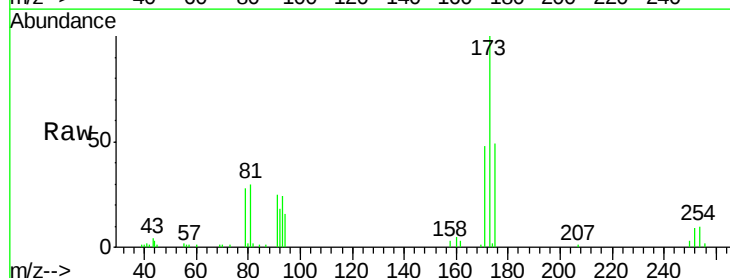
Tgt Ion: 173 Resp: 53596

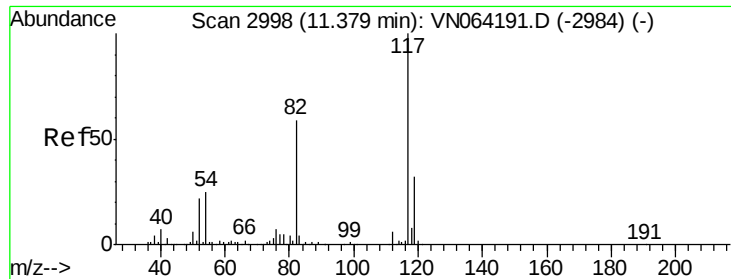
Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 8.5 6.8 10.2





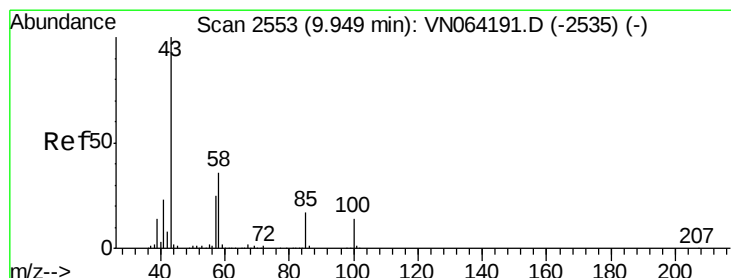
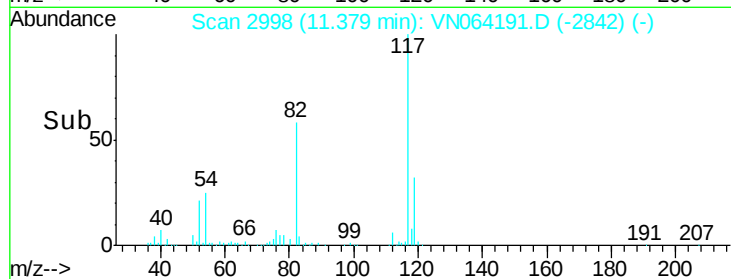
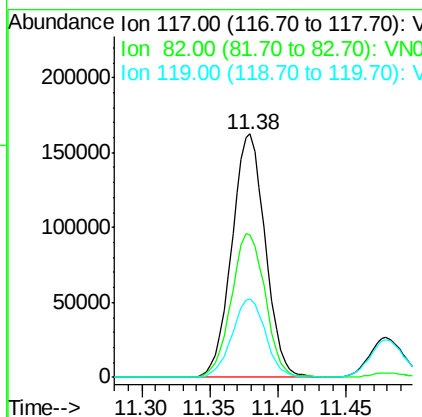
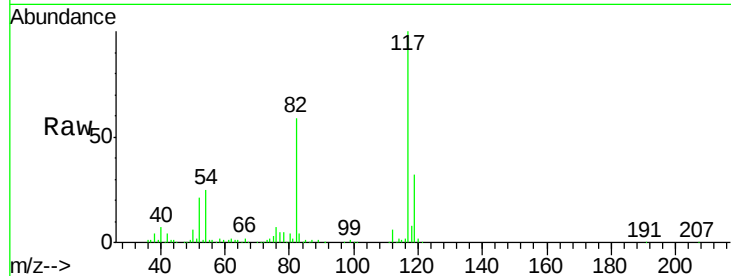
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	276900		
82	59.8		47.8	71.8
119	32.1		25.7	38.5

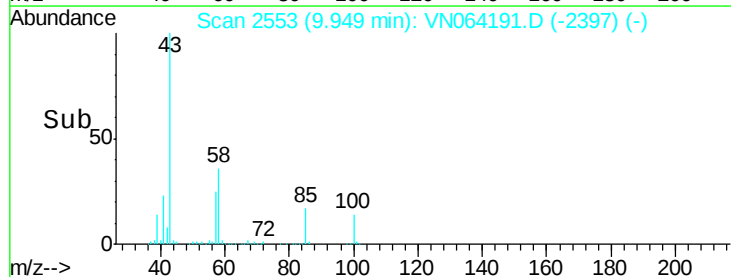
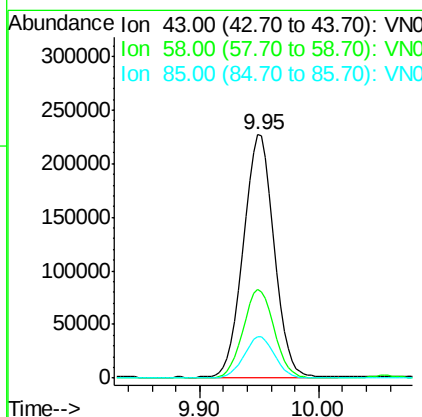
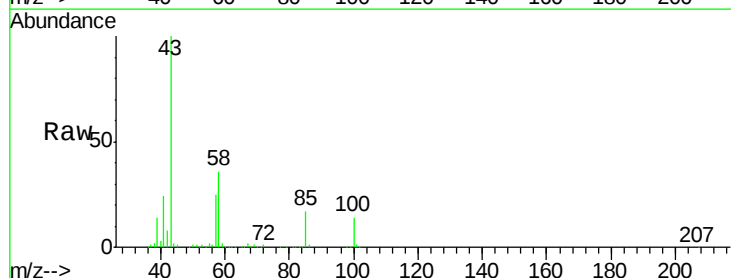
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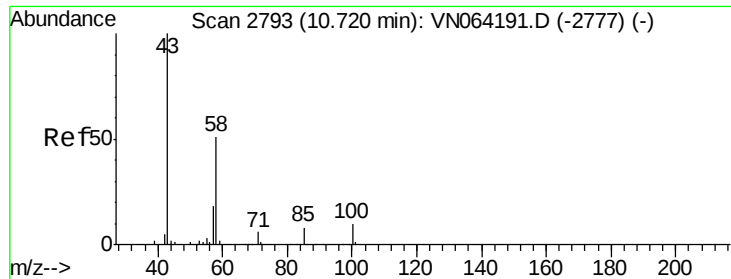
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 80.386 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	404622		
58	36.9		29.5	44.3
85	17.1		13.7	20.5





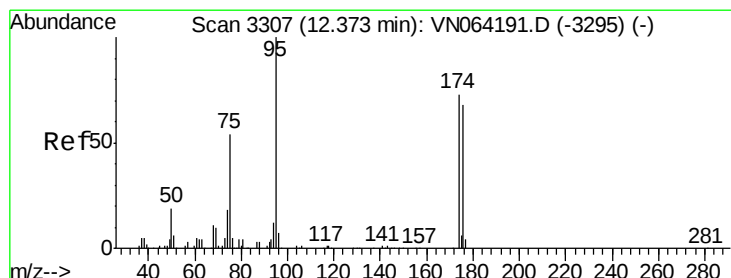
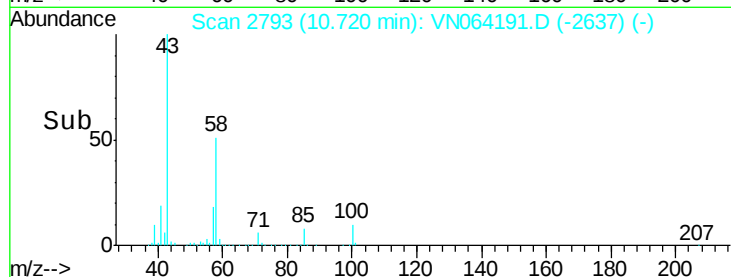
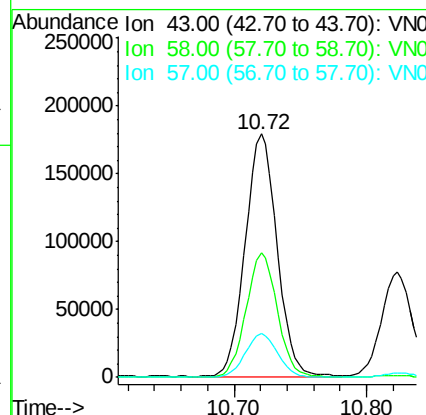
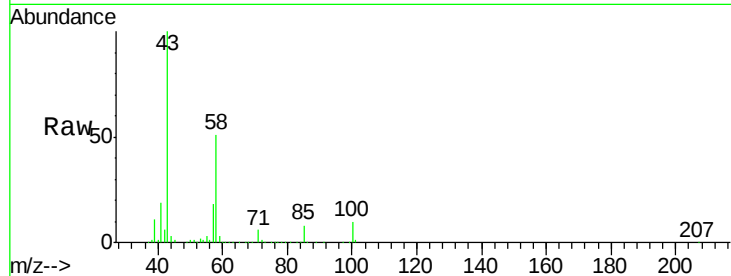
#59
2-Hexanone
Concen: 79.241 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.3	40.2	60.4
57	18.5	14.8	22.2

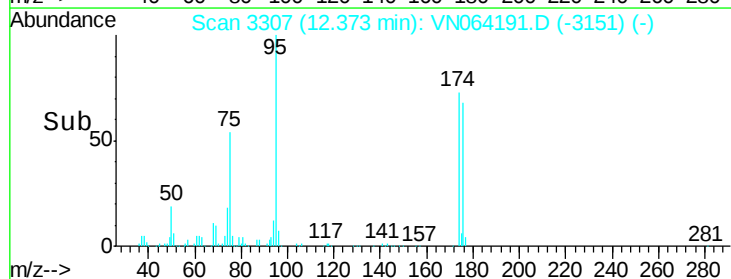
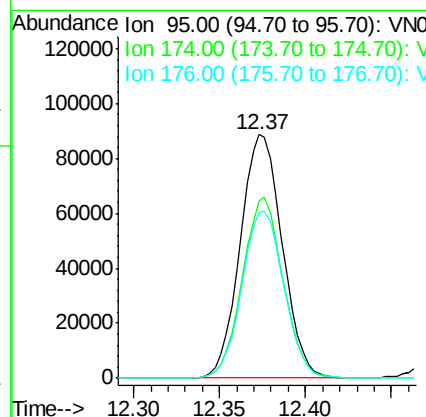
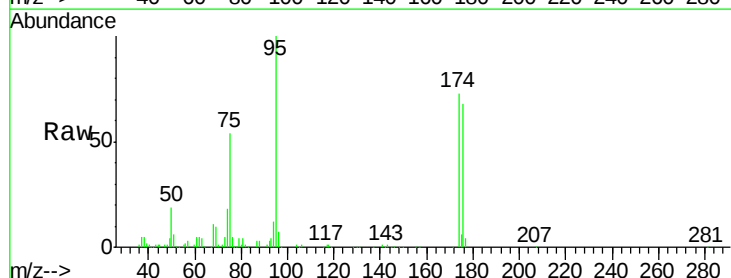
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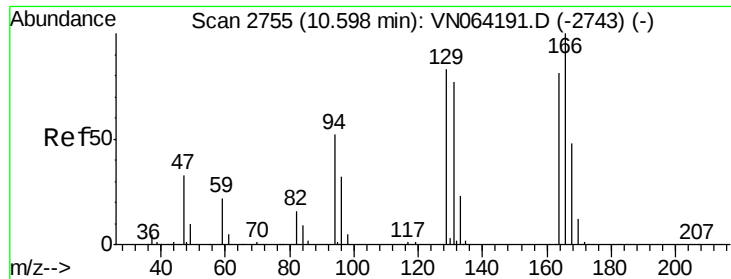
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 31.167 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.0	57.6	86.4
176	68.6	54.9	82.3





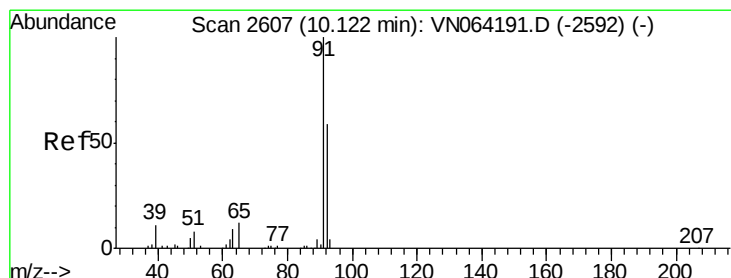
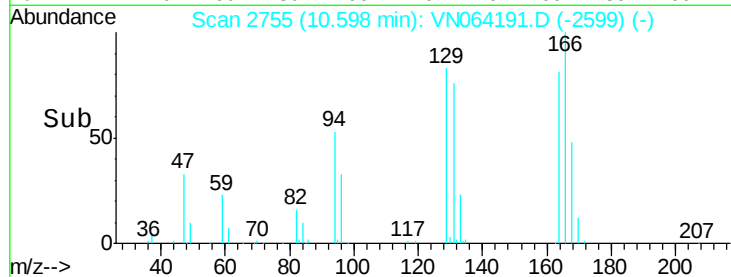
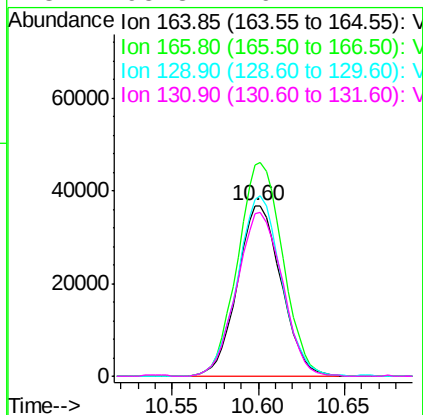
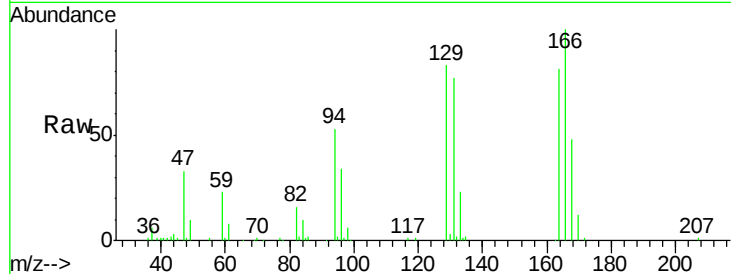
#61
Tetrachloroethene
Concen: 19.212 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.0	99.2	148.8
129	103.5	82.8	124.2
131	95.3	76.2	114.4

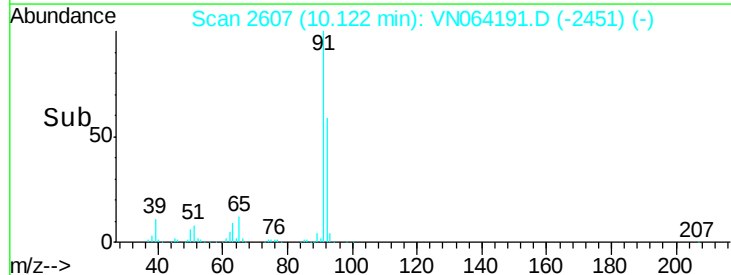
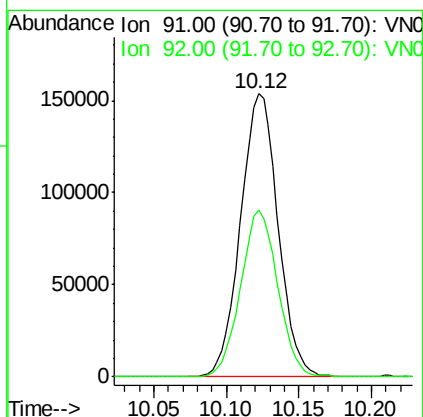
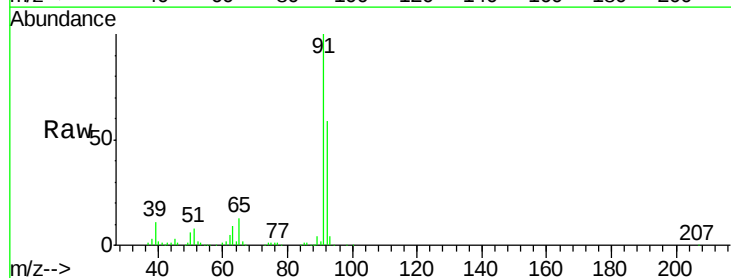
Manual Integrations
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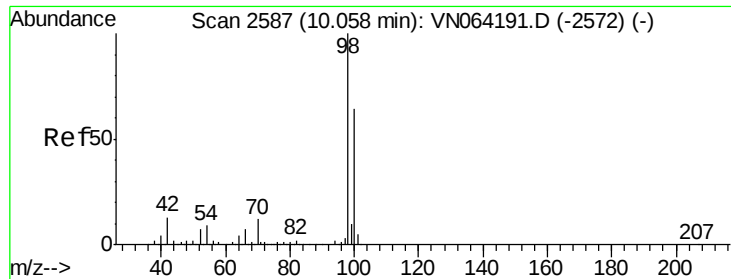
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#62
Toluene
Concen: 18.050 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.5	46.8	70.2





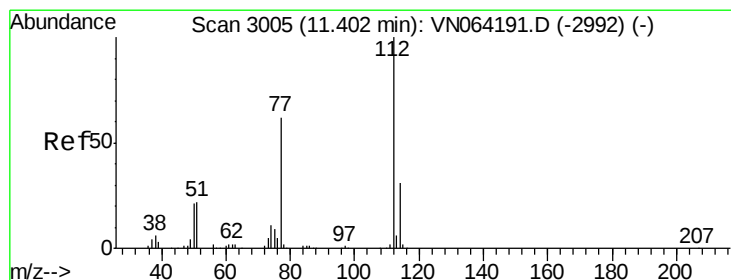
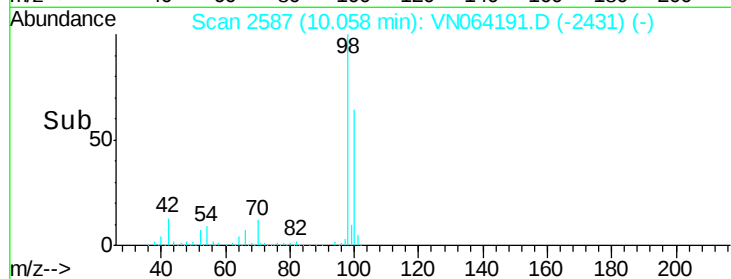
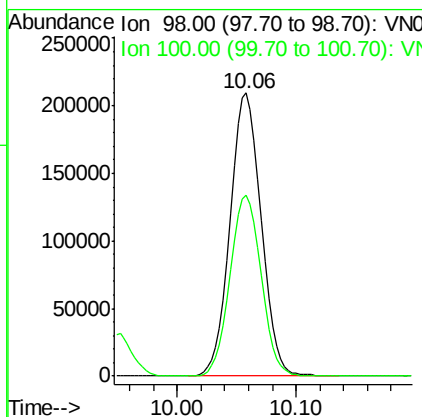
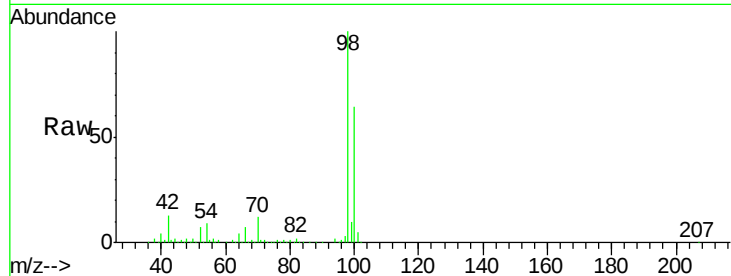
#63
Toluene-d8
Concen: 30.198 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 98 Resp: 379335
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.2

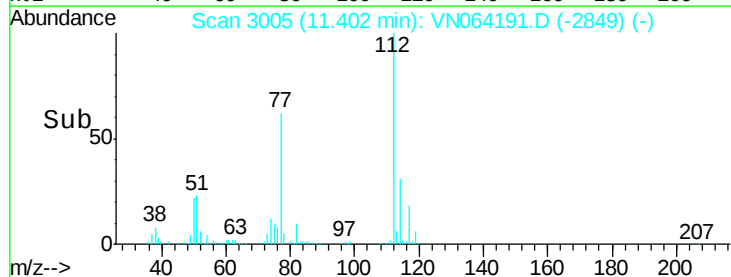
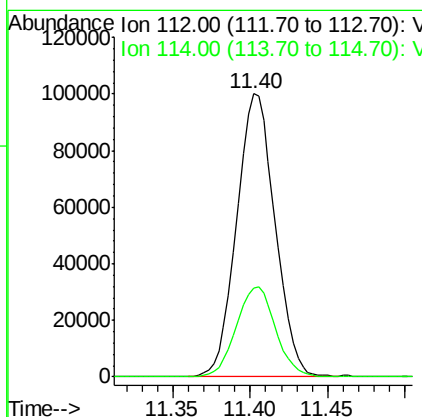
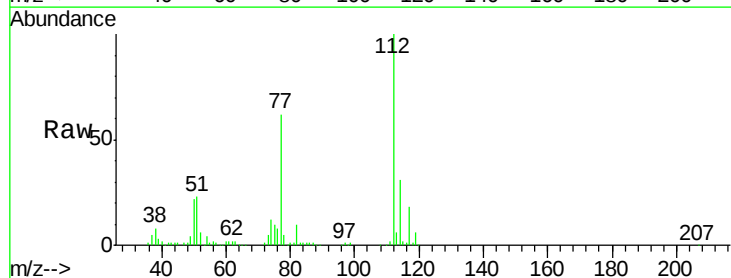
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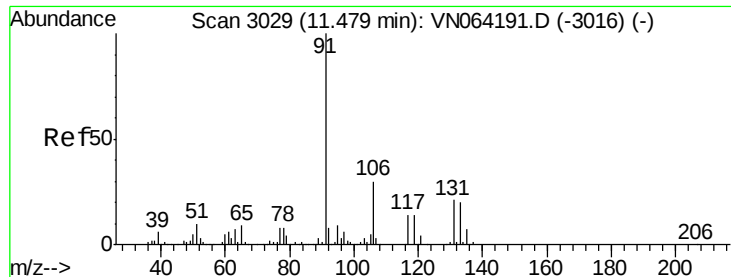
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#64
Chlorobenzene
Concen: 18.445 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion: 112 Resp: 172693
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 18.311 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:131 Resp: 66822

Ion Ratio Lower Upper

131 100

133 96.5 0.0 193.0

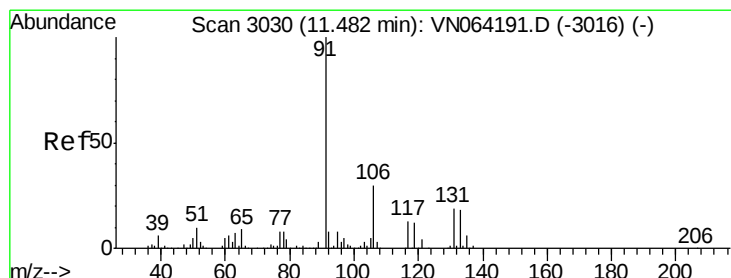
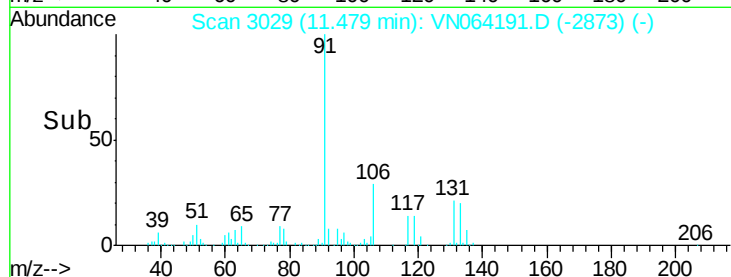
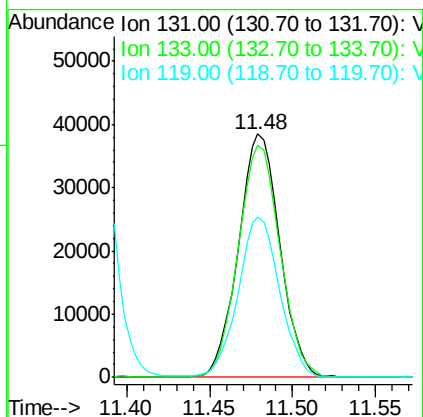
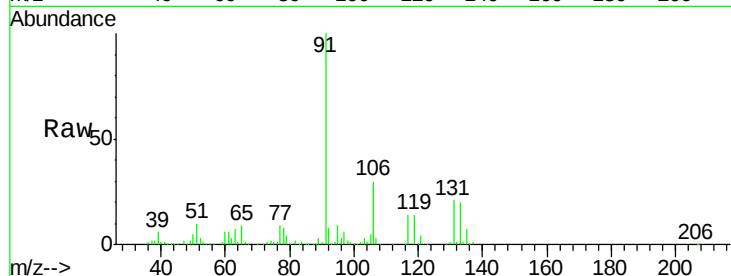
119 66.1 0.0 132.2

Manual Integrations

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#66

Ethyl Benzene

Concen: 18.832 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064191.D

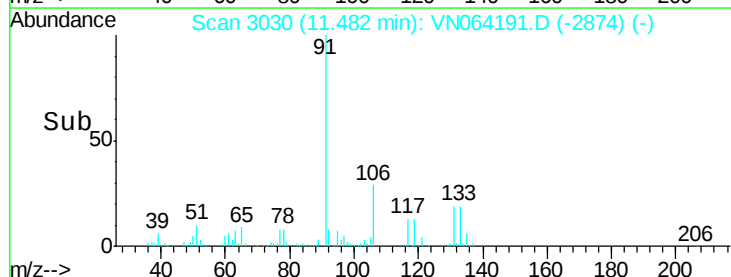
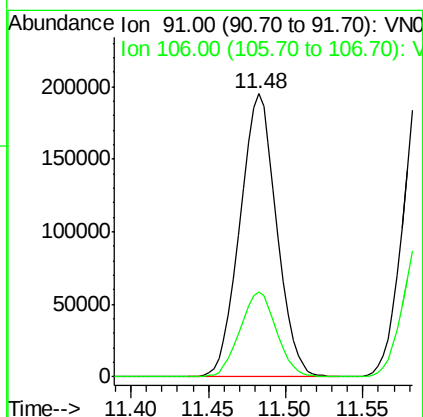
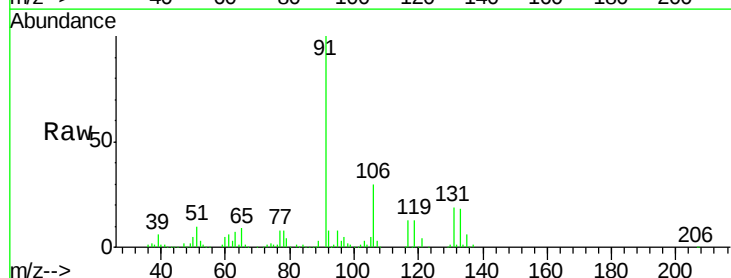
Acq: 20 Oct 2020 10:24

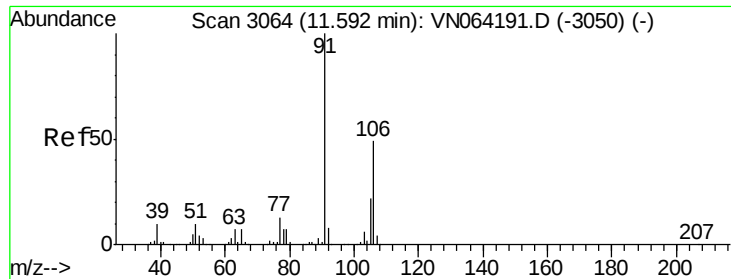
Tgt Ion: 91 Resp: 321488

Ion Ratio Lower Upper

91 100

106 29.9 23.9 35.9





#67

m/p-Xvlenes

Concen: 37.176 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:106 Resp: 234672

Ion Ratio Lower Upper

106 100

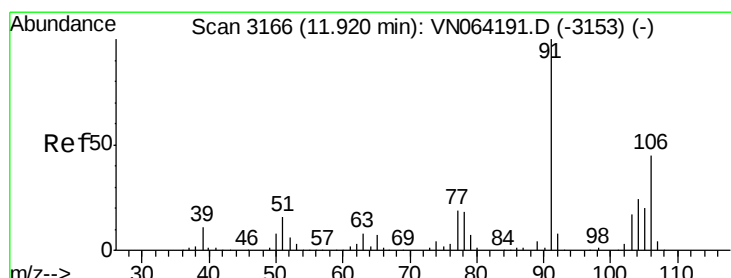
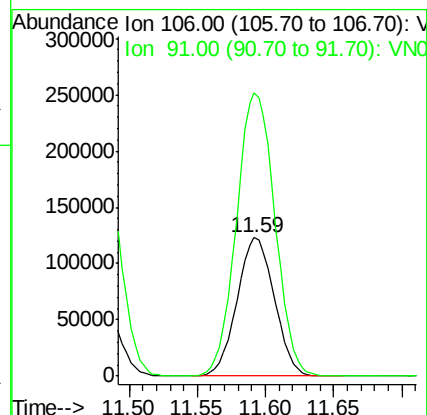
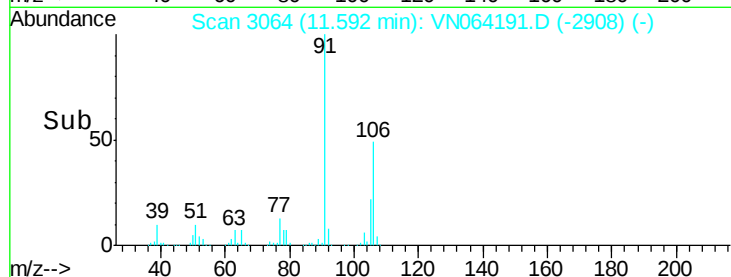
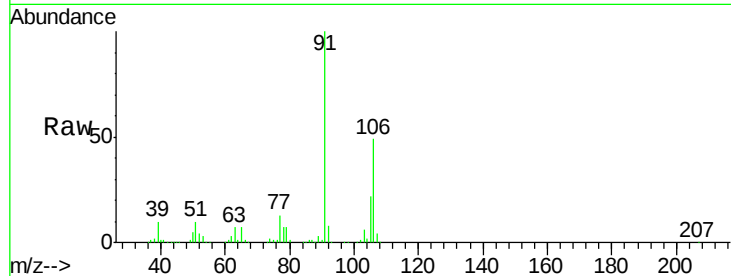
91 209.9 167.9 251.9

Manual Integrations

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#68

o-Xylene

Concen: 18.451 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN064191.D

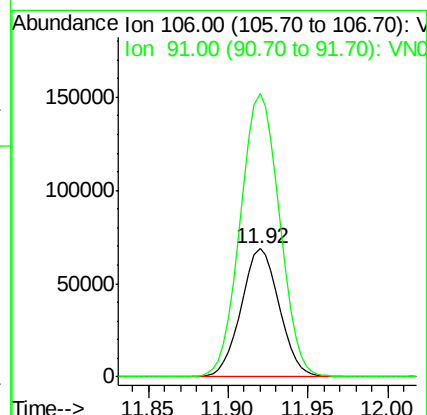
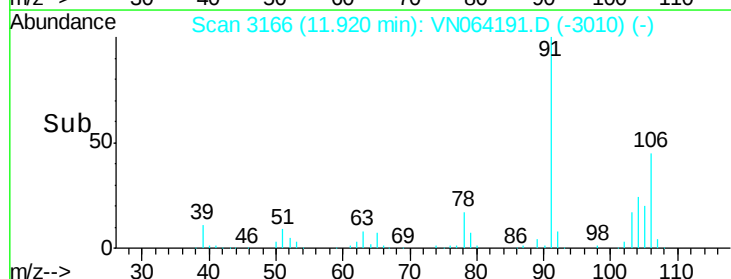
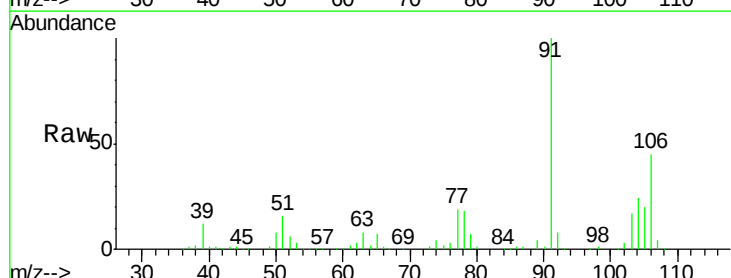
Acq: 20 Oct 2020 10:24

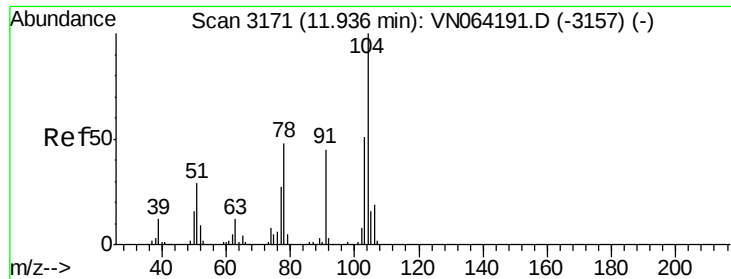
Tgt Ion:106 Resp: 111426

Ion Ratio Lower Upper

106 100

91 227.8 113.9 341.7





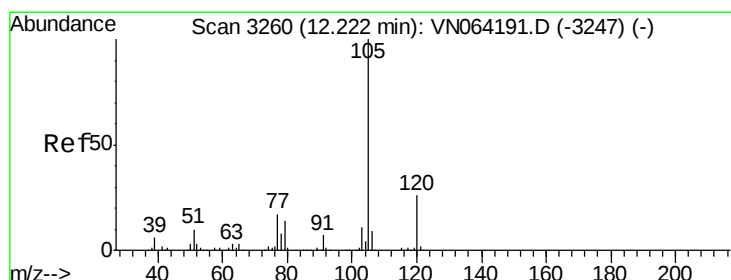
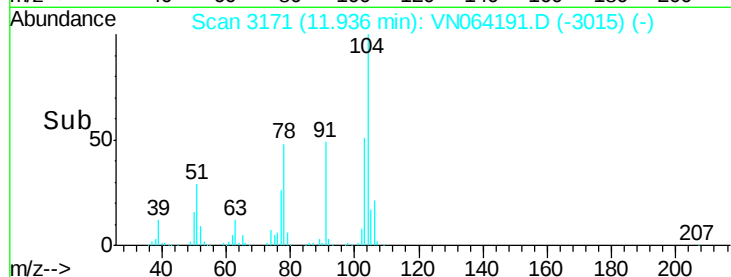
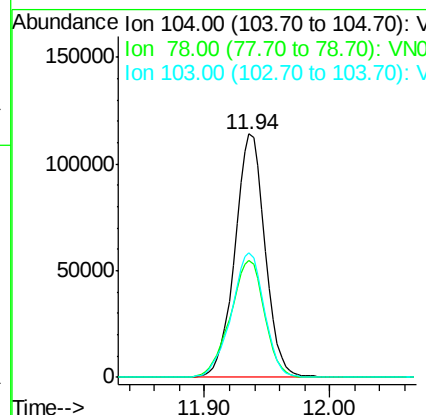
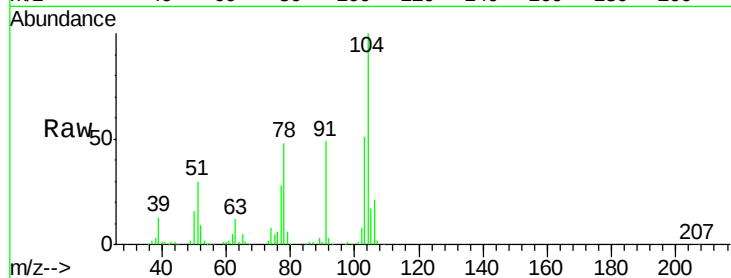
#69
Stvrene
Concen: 18.444 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.5	43.6	65.4
103	56.0	44.8	67.2

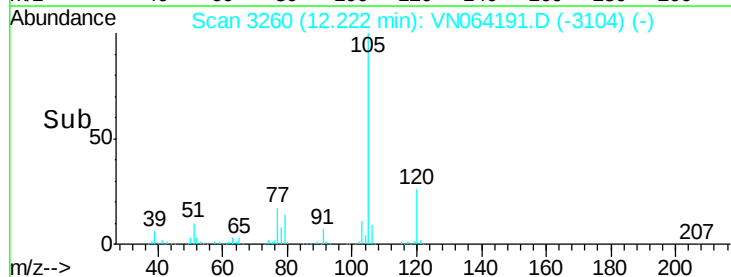
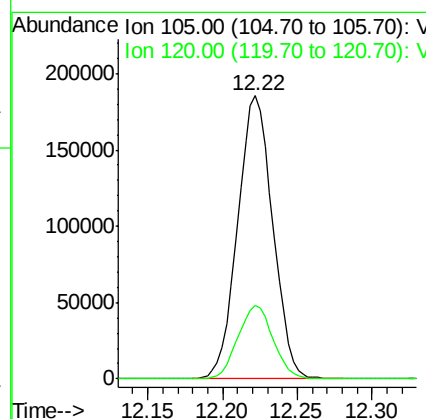
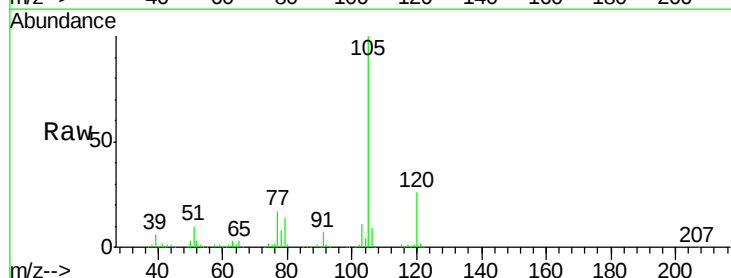
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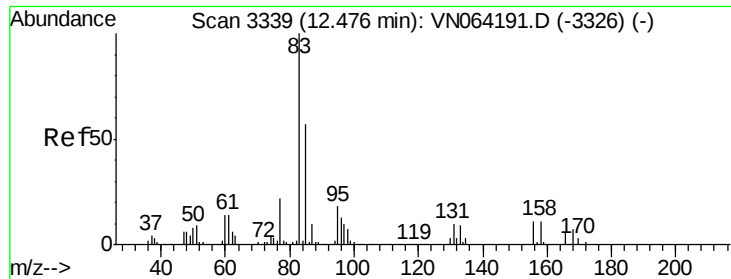
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#70
Isopropylbenzene
Concen: 18.812 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 16.512 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

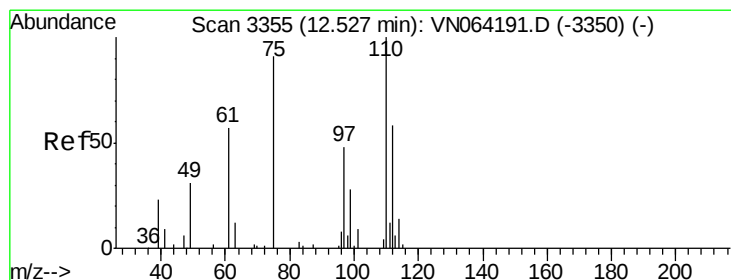
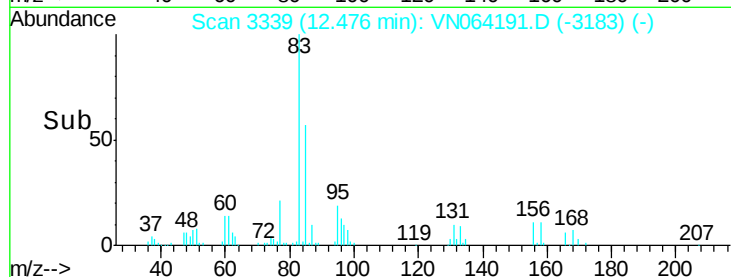
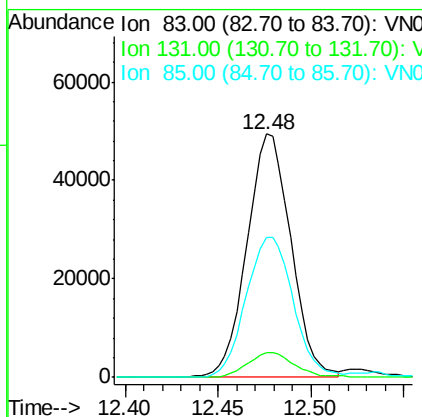
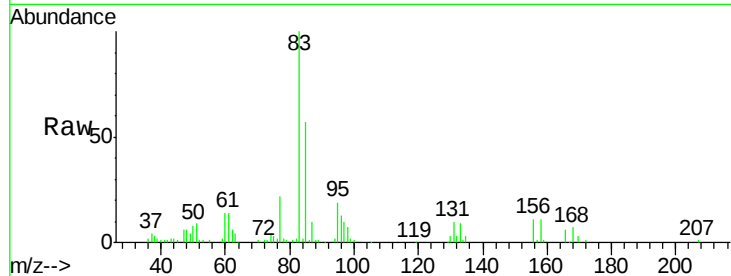
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	81525
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	61.6	30.8	92.4

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#72

1,2,3-Trichloropropane

Concen: 16.907 ug/l m

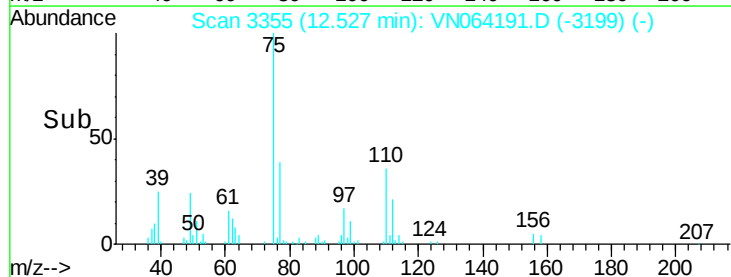
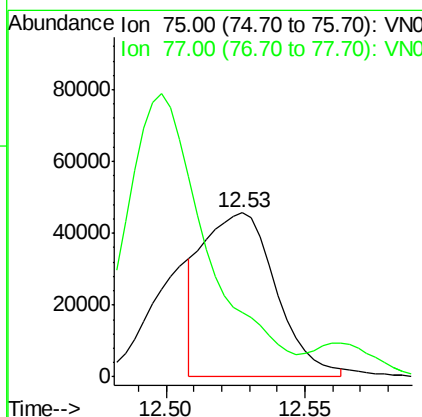
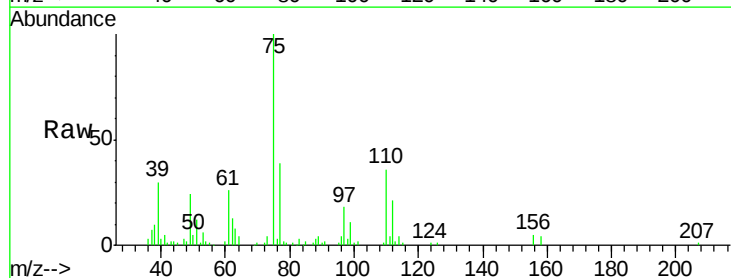
RT: 12.53 min Scan# 3355

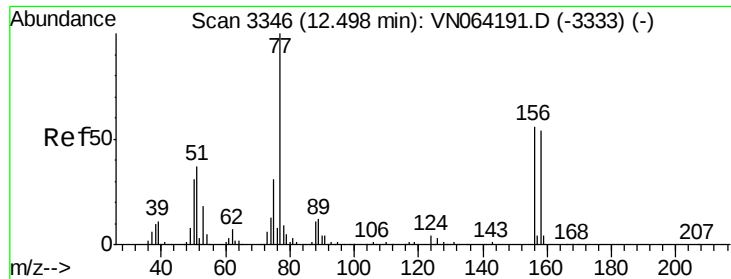
Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Tgt Ion:	75	Resp:	83364
Ion Ratio	Lower	Upper	
75	100		
77	191.8	0.0	417.6





#73

Bromobenzene

Concen: 18.254 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

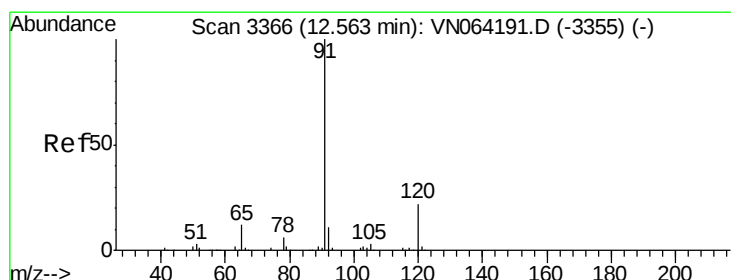
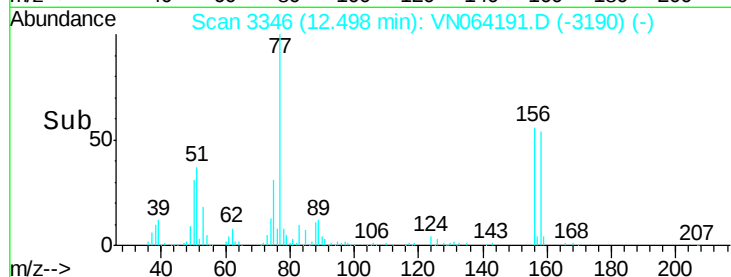
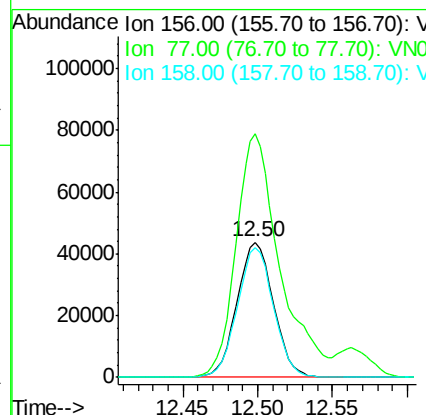
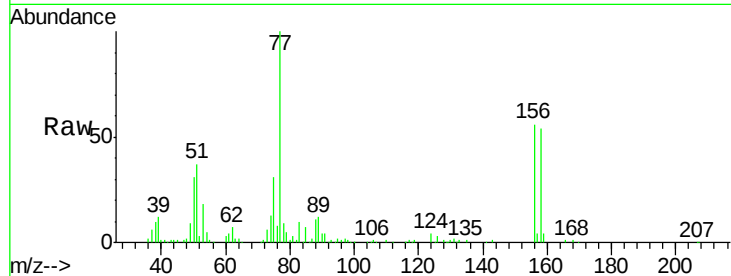
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	214.9	0.0	429.8
158	95.3	0.0	190.6

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#74

n-propylbenzene

Concen: 18.355 ug/l

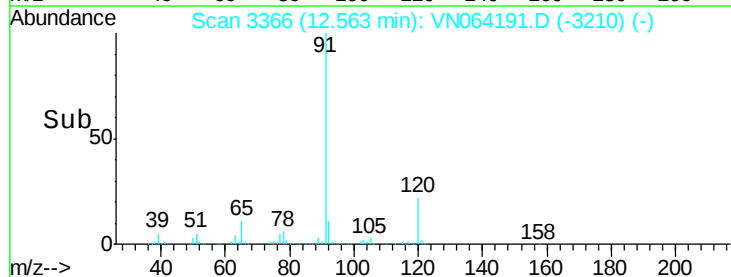
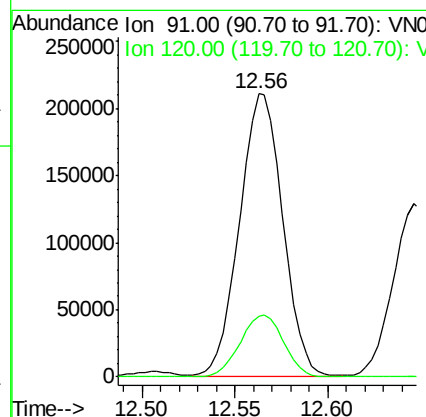
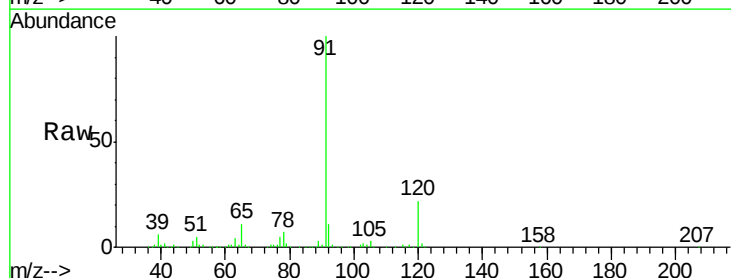
RT: 12.56 min Scan# 3366

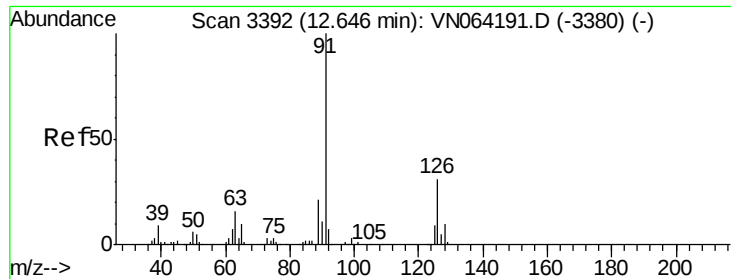
Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	0.0	43.8





#75

2-Chlorotoluene

Concen: 18.512 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 211566

Ion Ratio Lower Upper

91 100

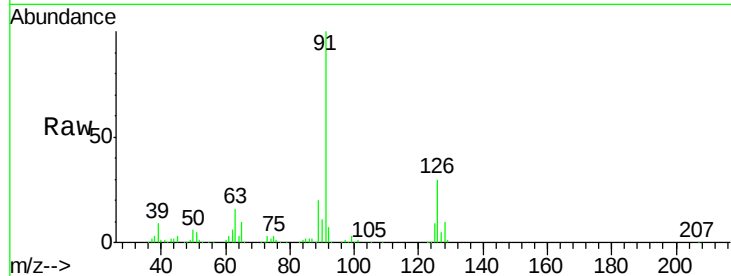
126 31.2 0.0 62.4

Manual Integrations

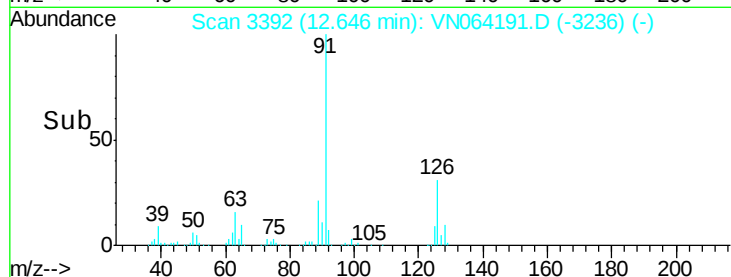
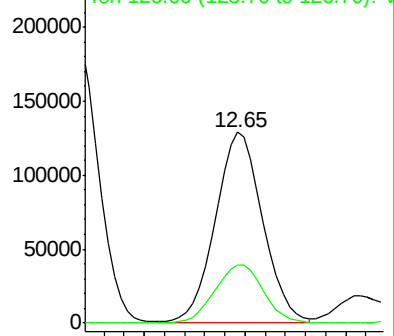
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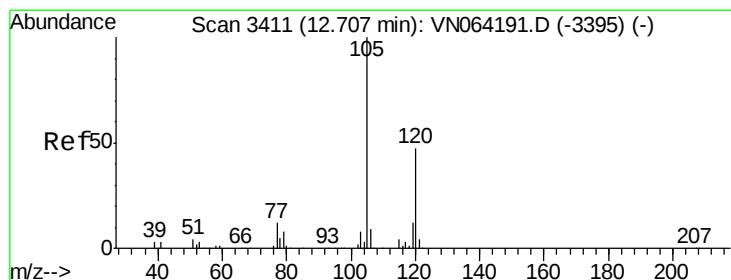
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Abundance Ion 91.00 (90.70 to 91.70): VN064191.D (-3380) (-)



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 18.770 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064191.D

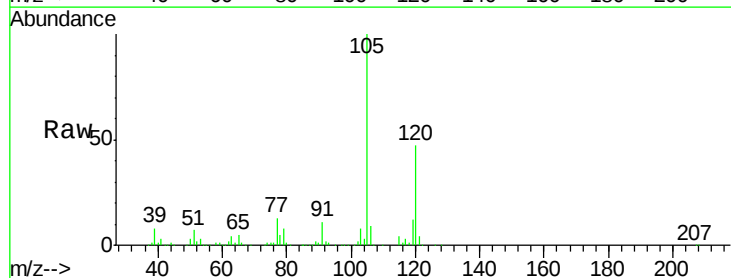
Acq: 20 Oct 2020 10:24

Tgt Ion: 105 Resp: 254936

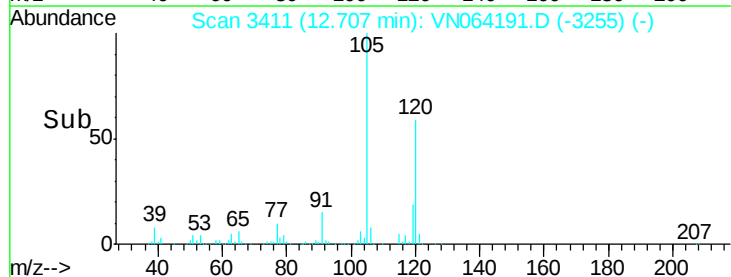
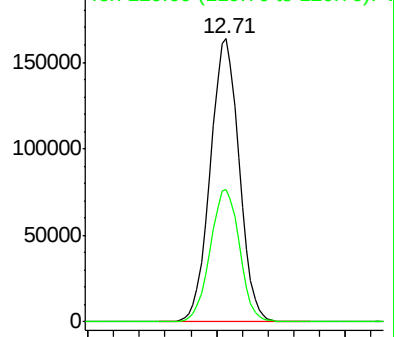
Ion Ratio Lower Upper

105 100

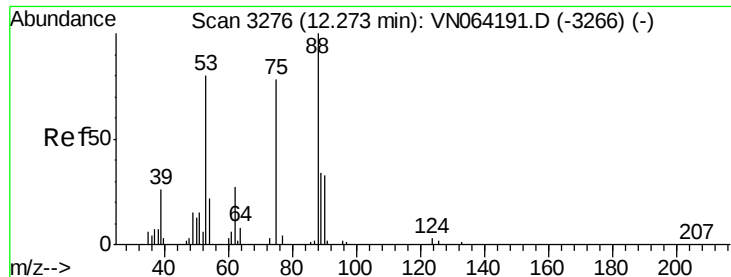
120 47.5 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064191.D (-3395) (-)



Time-->



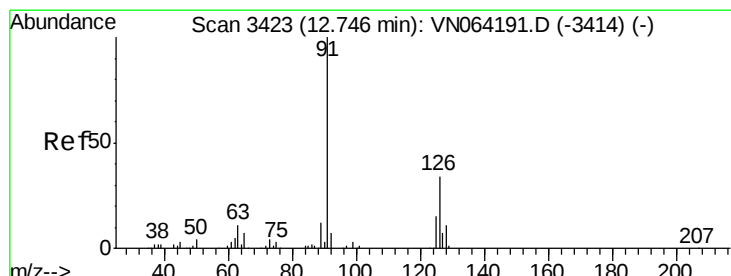
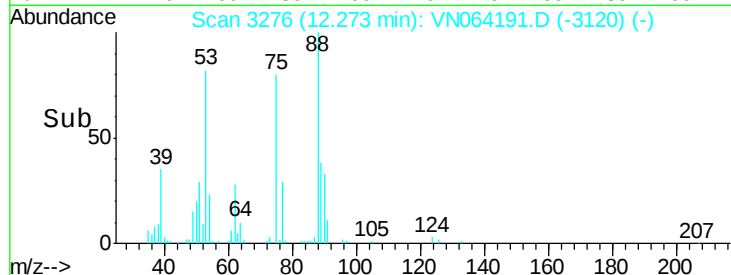
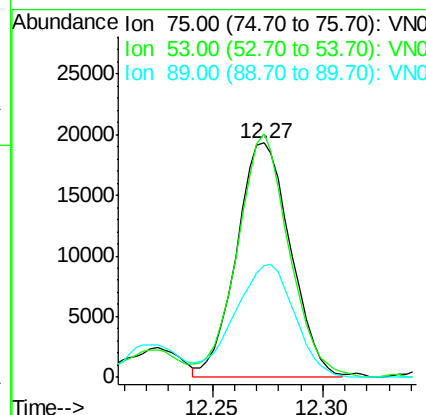
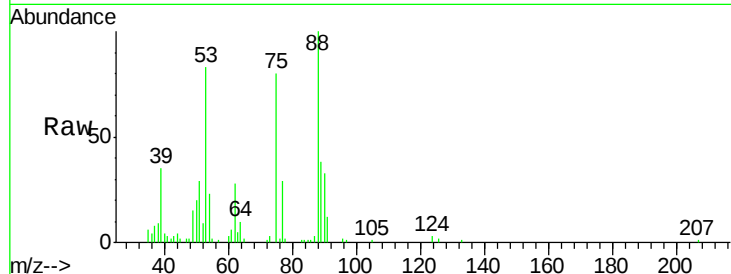
#77
t-1,4-Dichloro-2-butene
Concen: 17.873 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.8	51.4	154.2
89	47.7	23.8	71.5

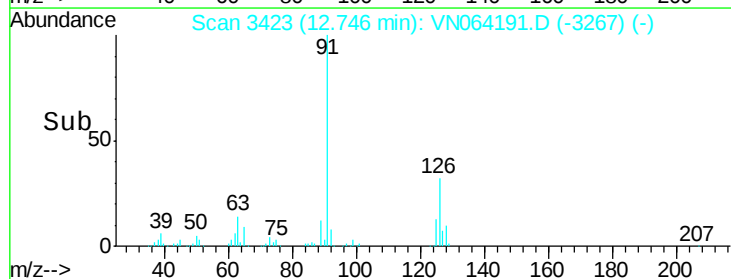
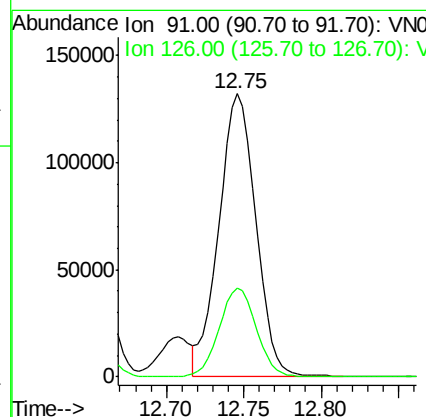
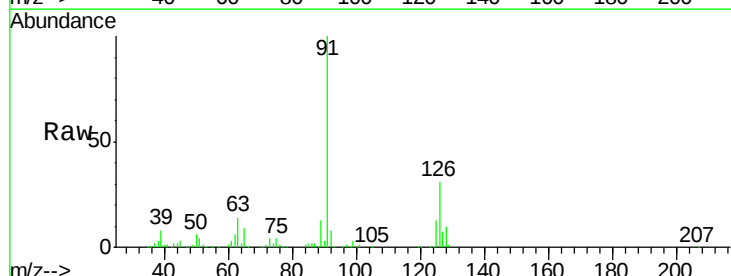
Manual Integrations
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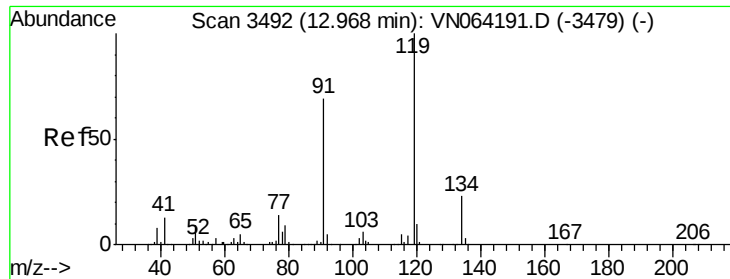
MMDadoda
10/23/2020 2:28:35 PM



#78
4-Chlorotoluene
Concen: 18.124 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	63.2





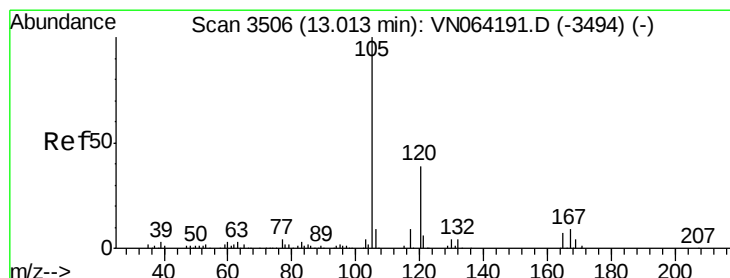
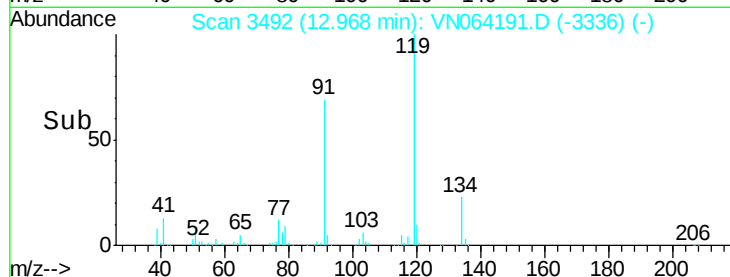
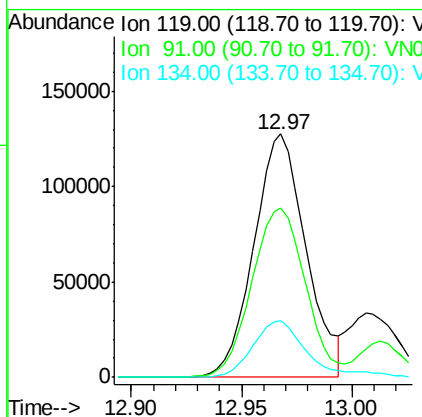
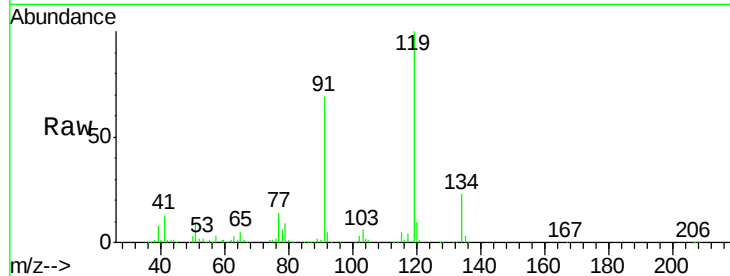
#79
tert-butylbenzene
Concen: 19.129 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	209657		
91	71.6		0.0	143.2
134	24.6		0.0	49.2

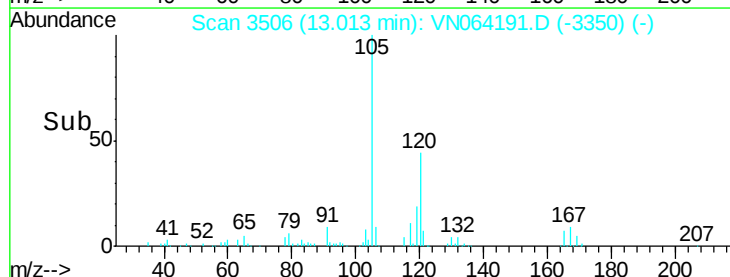
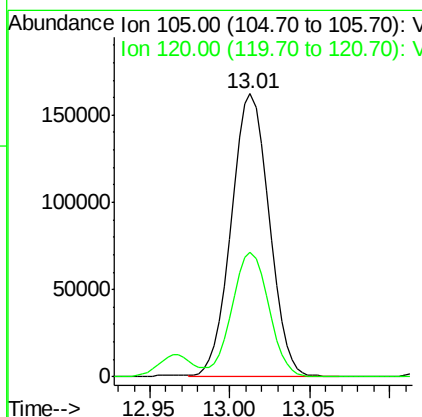
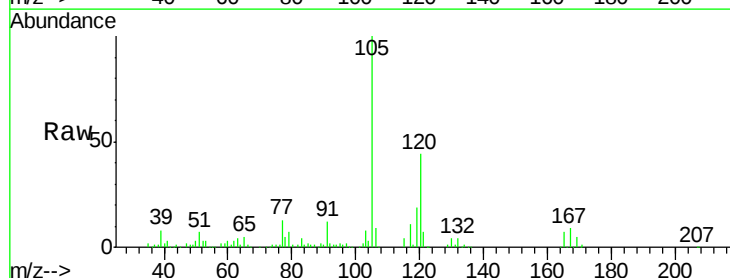
Manual Integrations
APPROVED

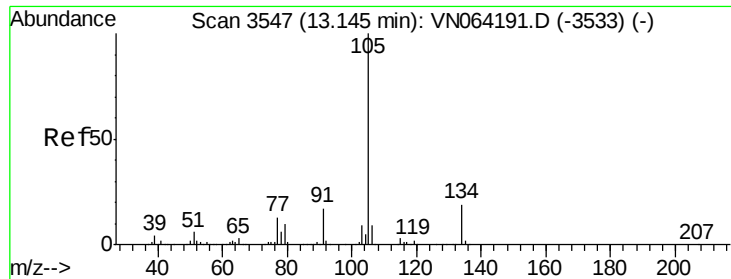
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.198 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	262175		
120	42.9		0.0	85.8





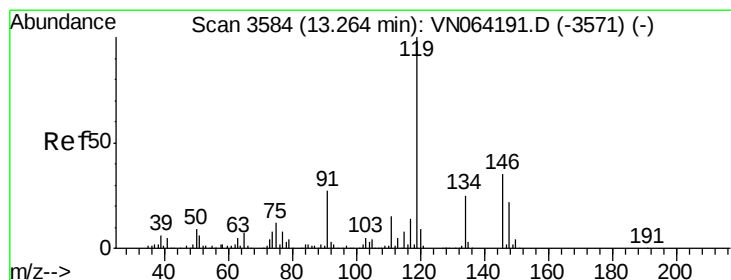
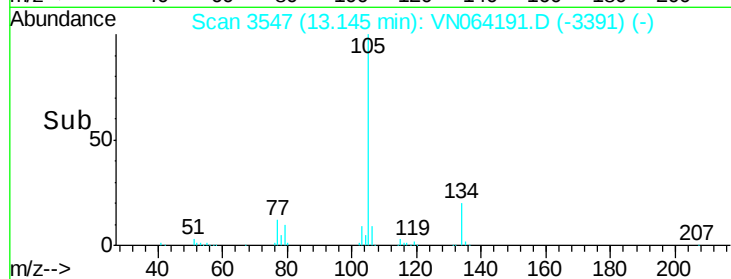
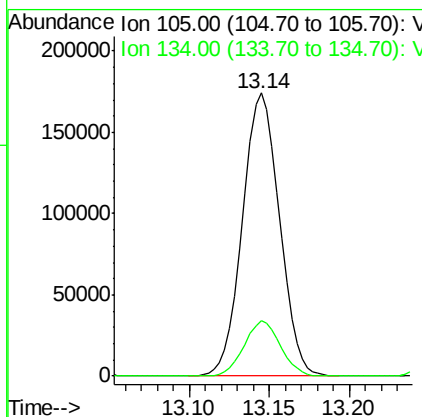
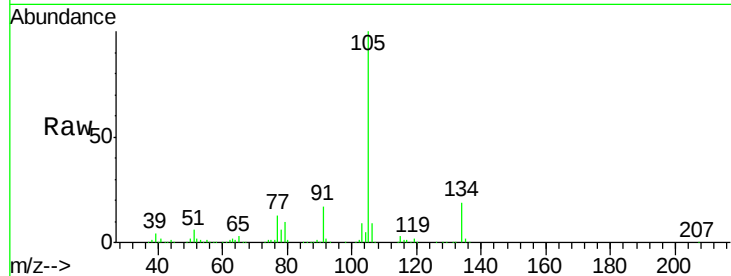
#81
 sec-Butylbenzene
 Concen: 19.128 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	0.0	38.4

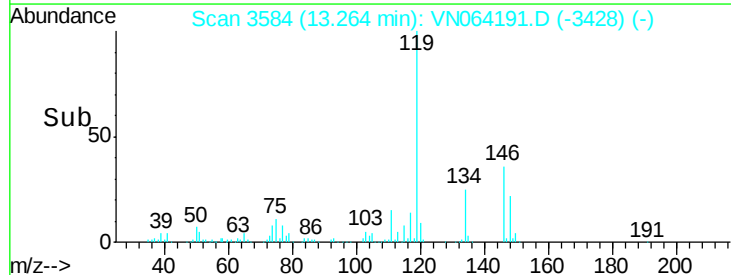
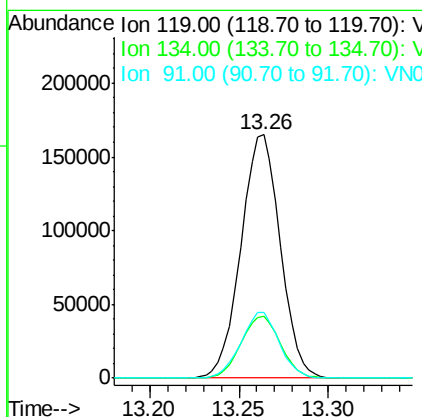
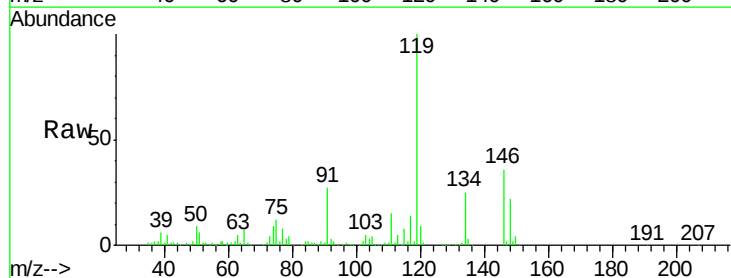
Manual Integrations
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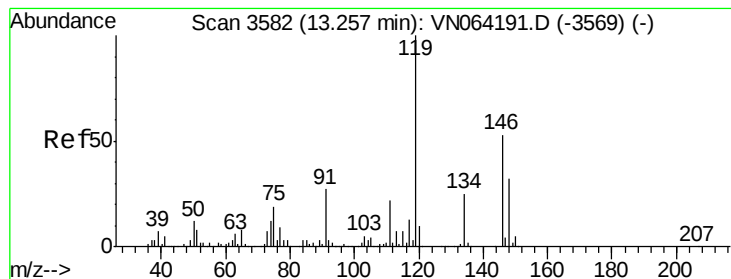
MMDadoda
 10/23/2020 2:28:35 PM



#82
 p-Isopropyltoluene
 Concen: 19.341 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	0.0	51.4
91	26.4	0.0	52.8





#83

1,3-Dichlorobenzene

Concen: 17.645 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

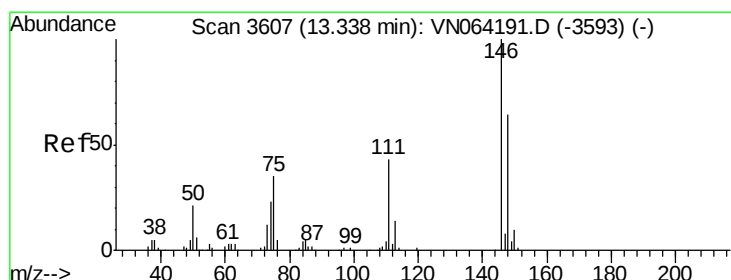
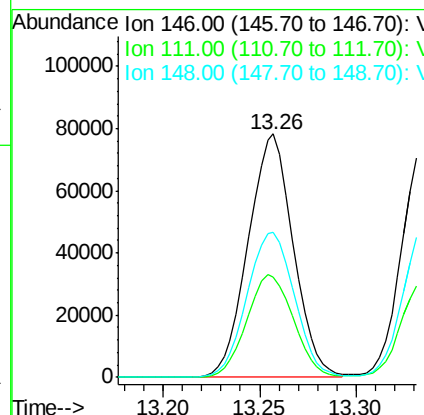
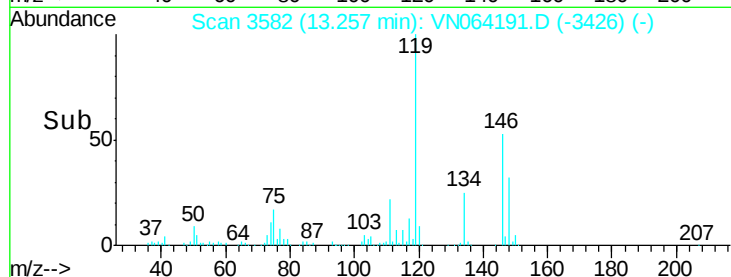
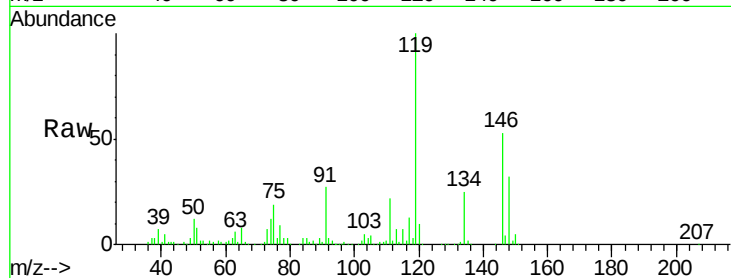
ClientSampleId :

VSTDICCC020

Tot Ion:	146	Resp:	126743
Ion Ratio	Lower	Upper	
146	100		
111	43.6	21.8	65.4
148	62.8	31.4	94.2

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 18.082 ug/l

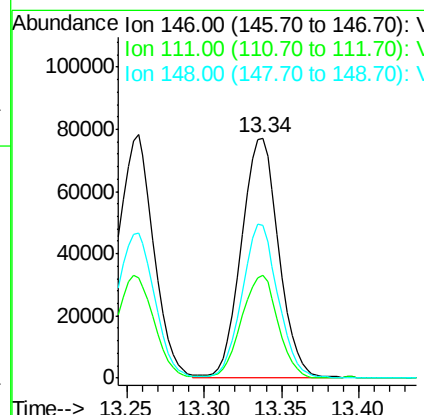
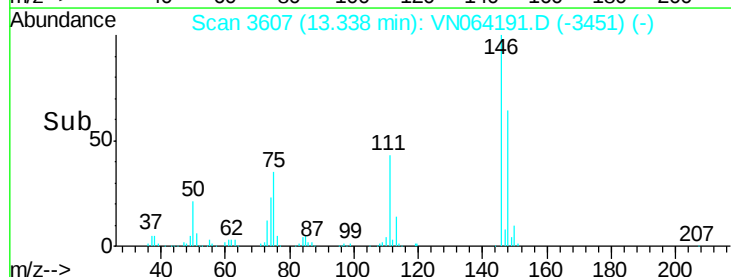
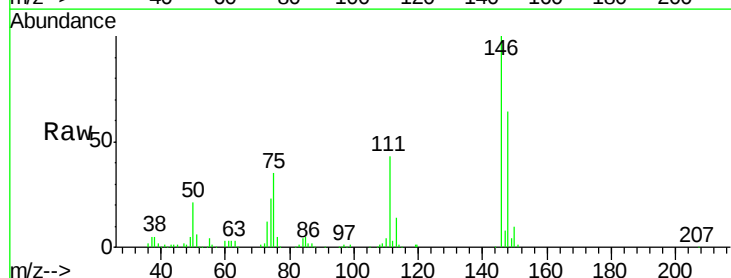
RT: 13.34 min Scan# 3607

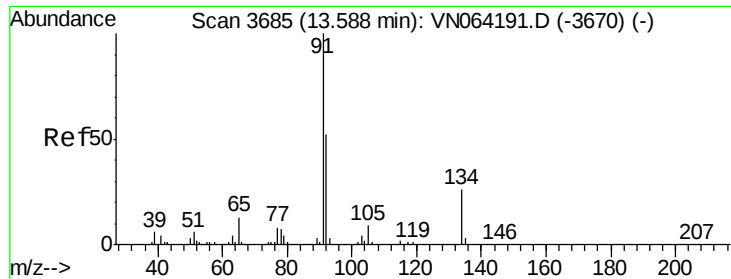
Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Tgt Ion:	146	Resp:	129988
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.9	62.8
148	61.8	30.9	92.7





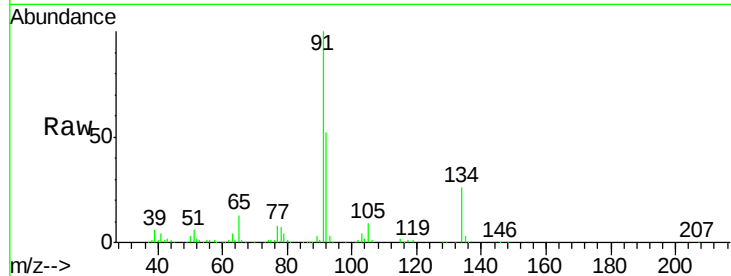
#85
n-Butylbenzene
Concen: 19.207 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	219925		
92	52.4	0.0	104.8	
134	24.9	0.0	49.8	

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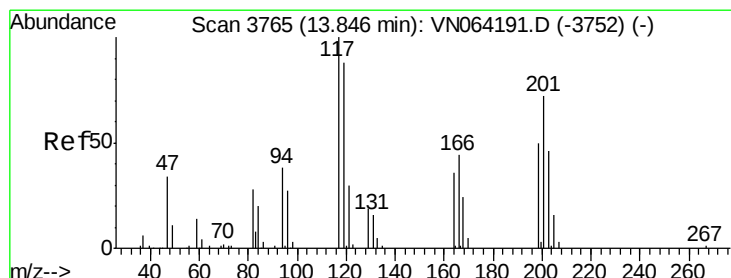
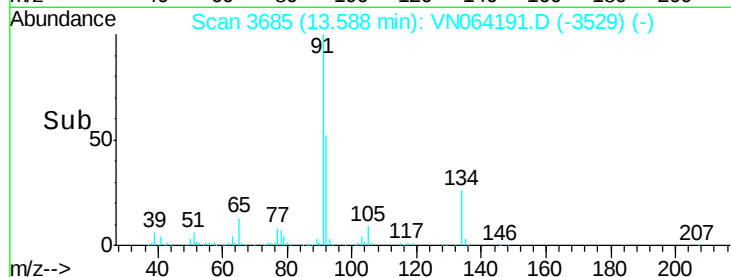
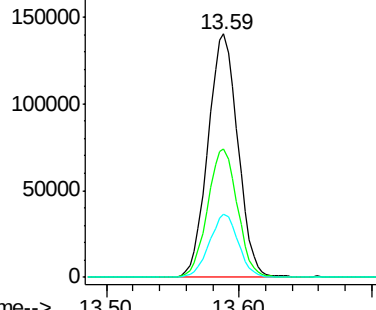
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Abundance Ion 91.00 (90.70 to 91.70): VN064191.D (-3670) (-)

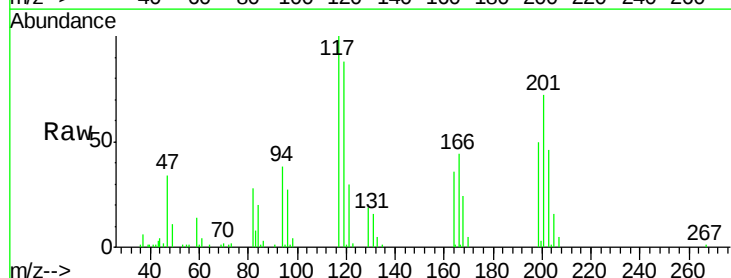
Ion 92.00 (91.70 to 92.70): VN064191.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN064191.D (-3670) (-)



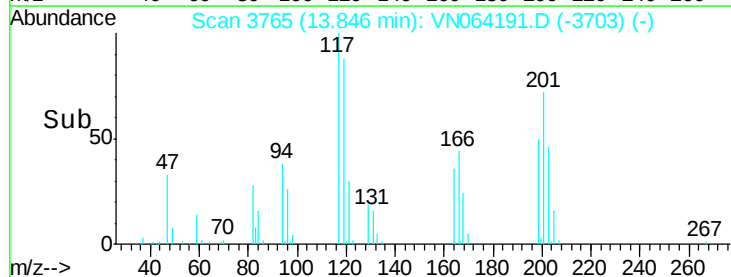
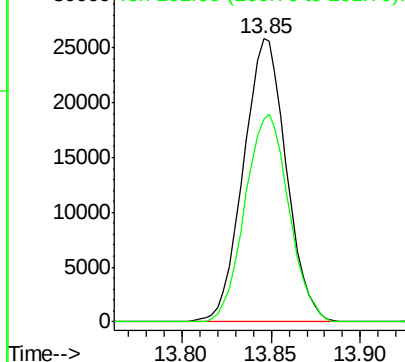
#86
Hexachloroethane
Concen: 19.292 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

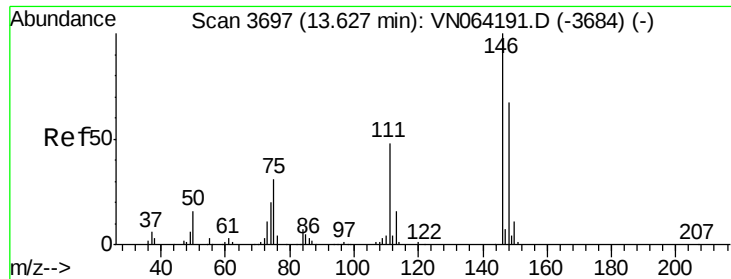
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	43535		
201	74.9	37.5	112.3	



Abundance Ion 117.00 (116.70 to 117.70): VN064191.D (-3752) (-)

Ion 201.00 (200.70 to 201.70): VN064191.D (-3752) (-)





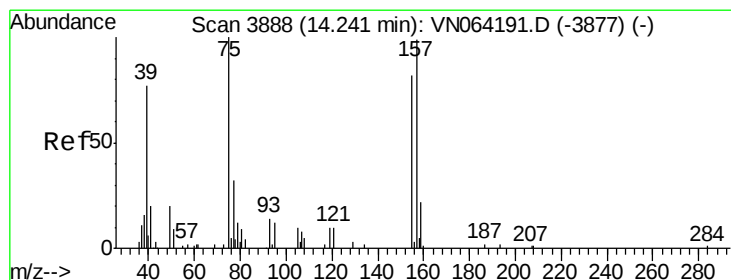
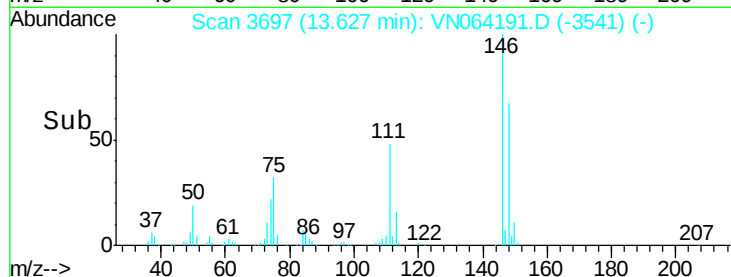
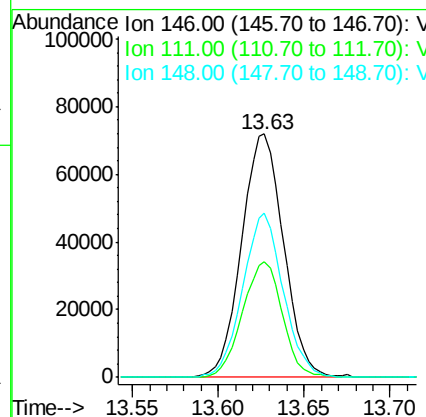
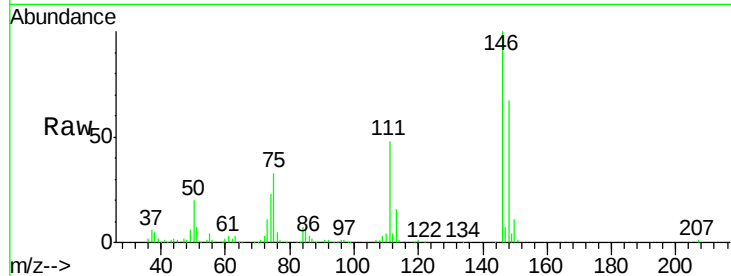
#87
 1,2-Dichlorobenzene
 Concen: 17.440 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122053		
111	45.2		22.6	67.8
148	65.2		32.6	97.8

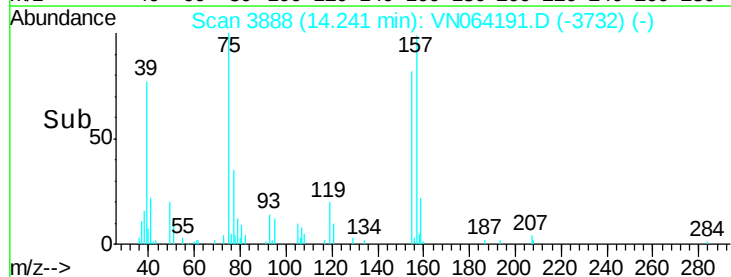
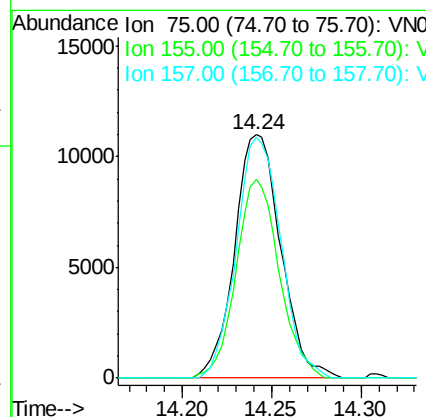
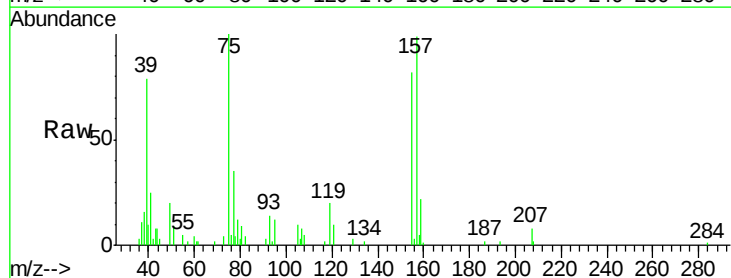
Manual Integrations
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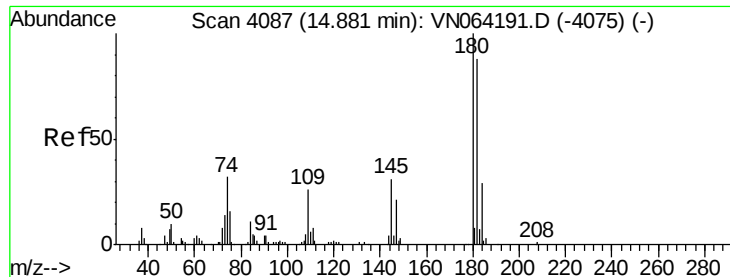
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.774 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19871		
155	76.4		61.1	91.7
157	95.6		76.5	114.7





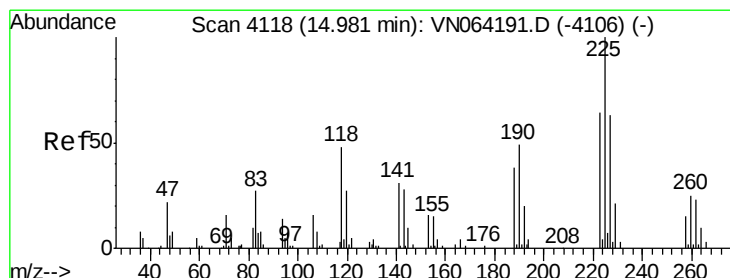
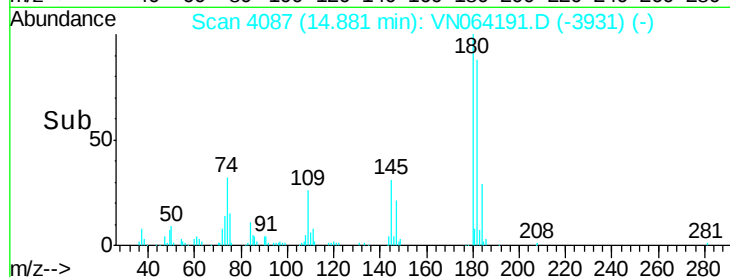
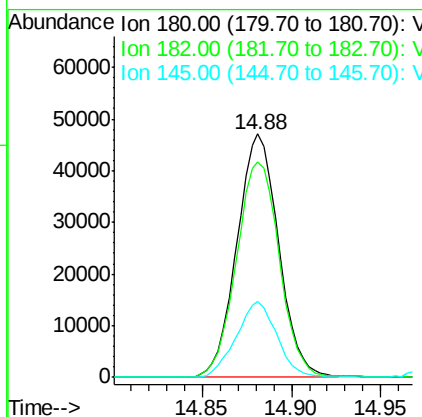
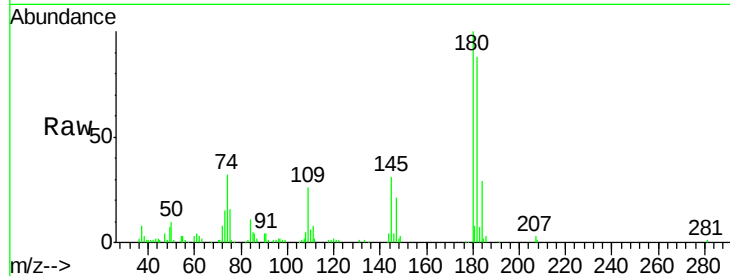
#89
 1,2,4-Trichlorobenzene
 Concen: 20.562 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.2	73.0	109.4
145	30.4	24.3	36.5

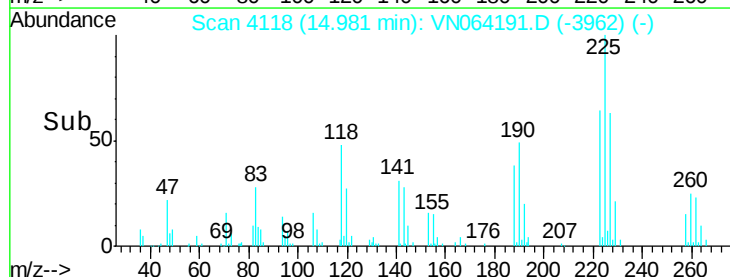
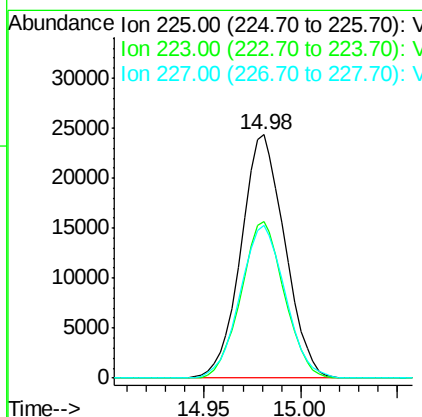
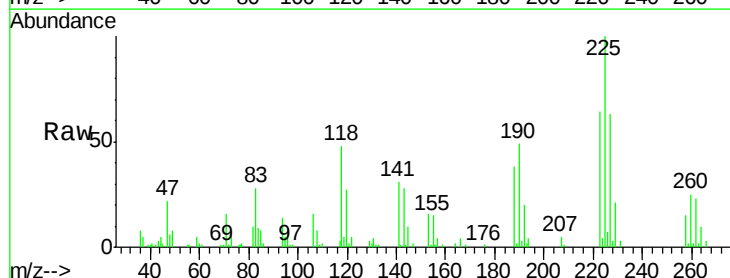
Manual Integrations
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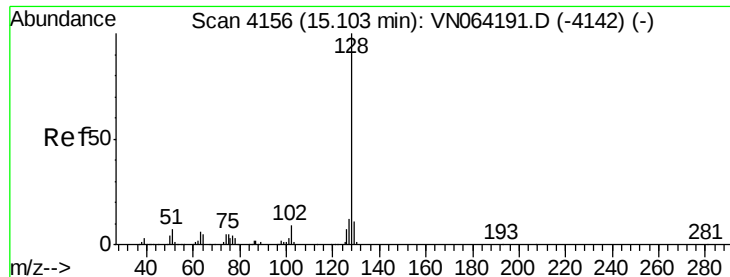
MMDadoda
 10/23/2020 2:28:35 PM



#90
 Hexachlorobutadiene
 Concen: 19.861 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	0.0	127.0
227	64.7	0.0	129.4





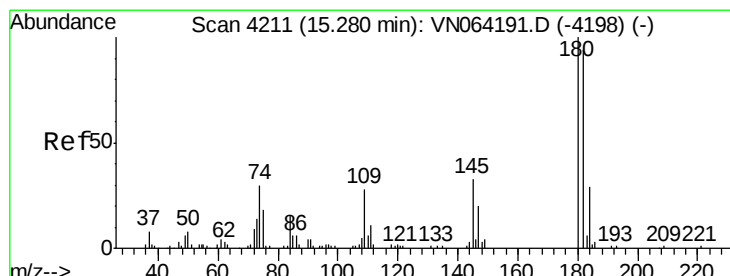
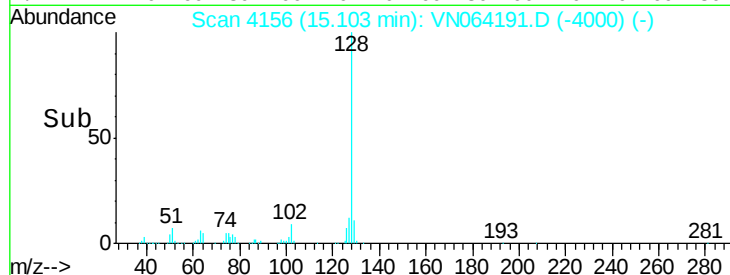
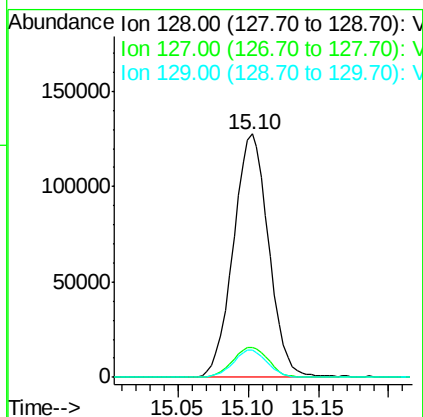
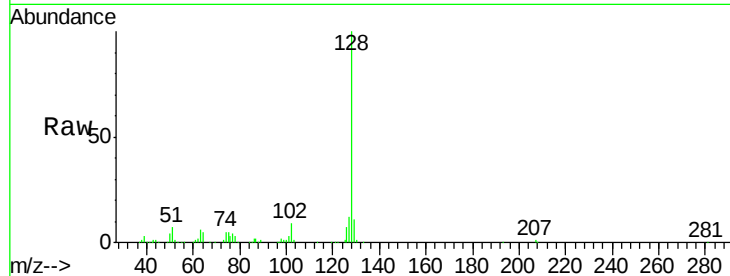
#91
Naphthalene
Concen: 19.887 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 19.957 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	0.0	190.0
145	33.3	0.0	66.6

