

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102620\
 Data File : VN064307.D
 Acq On : 26 Oct 2020 17:05
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 2:21:04 PM

Quant Time: Oct 26 17:32:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 16:34:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	50378	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	285495	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	262557	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	134549	30.39	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.30%
60) 4-Bromofluorobenzene	12.38	95	140573	30.09	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.30%
63) Toluene-d8	10.06	98	351360	29.99	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	435895	130.875	ug/l 92
3) Chloromethane	2.04	50	404258	118.007	ug/l 99
4) Vinyl Chloride	2.16	62	387266	112.211	ug/l 100
5) Bromomethane	2.51	94	235124	104.981	ug/l 96
6) Chloroethane	2.66	64	215570	107.629	ug/l 96
7) Trichlorofluoromethane	2.98	101	590448	102.350	ug/l 92
8) Diethyl Ether	3.37	74	188948	99.813	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	300133	105.564	ug/l 99
10) 1,1-Dichloroethene	3.69	96	292694	106.824	ug/l 99
11) Methyl Iodide	3.91	142	438798	111.097	ug/l 96
12) Methyl Acetate	4.28	43	349228	107.526	ug/l 94
13) Acrolein	3.56	56	113414	441.194	ug/l 98
14) Acrylonitrile	4.93	53	797720	618.530	ug/l 99
15) Acetone	3.78	58	199953	506.944	ug/l 93
16) Carbon Disulfide	4.01	76	859156	107.897	ug/l 99
17) Allyl chloride	4.27	41	534318	101.577	ug/l 99
18) Methylene Chloride	4.50	84	328303	101.717	ug/l 95
19) trans-1,2-Dichloroethene	4.98	96	320289	104.292	ug/l 94
20) Diisopropyl ether	5.90	45	1147820	113.223	ug/l 91
21) 1,1-Dichloroethane	5.80	63	620269	103.897	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	365188	102.485	ug/l 99
23) tert-Butyl Alcohol	4.73	59	353456	597.667	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1099139	112.633	ug/l # 75
25) Chloroform	7.33	83	648185	100.535	ug/l 93
26) Cyclohexane	7.61	56	527347	113.304	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	488517	101.179	ug/l 98
30) 2-Butanone	6.78	43	1169386	541.927	ug/l 98
31) 2,2-Dichloropropane	6.78	77	590849	98.460	ug/l # 63
32) 1,1,1-Trichloroethane	7.53	97	629053	101.894	ug/l 99
33) Carbon Tetrachloride	7.73	117	574323	103.681	ug/l 97
34) Benzene	8.00	78	1351463	102.274	ug/l # 86
35) Methacrylonitrile	7.12	41	233138	107.389	ug/l 97
36) 1,2-Dichloroethane	8.08	62	578661	101.218	ug/l # 92
37) Trichloroethene	8.80	130	369084	102.350	ug/l 93
38) Methylcyclohexane	9.05	83	486063	109.534	ug/l 100
39) 1,2-Dichloropropane	9.08	63	358985	100.824	ug/l 95
40) Dibromomethane	9.17	93	251991	102.284	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	544295	102.040	ug/l	99
42) Vinyl Acetate	5.84	43	5127398	540.222	ug/l	100
43) Ethyl Acetate	6.88	43	515785m	112.882	ug/l	
44) Isopropyl Acetate	8.13	43	876497	107.347	ug/l #	87
45) 1,4-Dioxane	9.16	88	137167	2605.842	ug/l	99
46) Methyl methacrylate	9.16	41	435637	109.760	ug/l	98
47) n-amyl Acetate	12.04	43	785931	111.140	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	622686	103.879	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	631116	101.806	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	338131	102.676	ug/l	93
51) Ethyl methacrylate	10.40	69	543818	107.284	ug/l	96
52) 1,3-Dichloropropane	10.68	76	597327	103.231	ug/l	97
53) Dibromochloromethane	10.87	129	425234	104.198	ug/l	100
54) 1,2-Dibromoethane	10.98	107	368284	104.590	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	1395321	528.748	ug/l	99
56) Bromoform	12.10	173	314032	107.723	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	2536143	560.416	ug/l	100
59) 2-Hexanone	10.72	43	1901311	558.161	ug/l	99
61) Tetrachloroethene	10.60	164	353159	99.248	ug/l	99
62) Toluene	10.13	91	1491535	101.585	ug/l	99
64) Chlorobenzene	11.41	112	935455	103.201	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	371192	102.014	ug/l	95
66) Ethyl Benzene	11.48	91	1717788	101.629	ug/l	96
67) m/p-Xylenes	11.59	106	1285453	206.706	ug/l	93
68) o-Xylene	11.92	106	624195	103.283	ug/l	98
69) Styrene	11.94	104	1069126	105.906	ug/l	97
70) Isopropylbenzene	12.22	105	1656697	103.269	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	471262	107.222	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	473555m	102.435	ug/l	
73) Bromobenzene	12.50	156	409678	104.816	ug/l	98
74) n-propylbenzene	12.57	91	1902889	103.875	ug/l	99
75) 2-Chlorotoluene	12.65	91	1171436	102.588	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	1400047	103.042	ug/l	96
77) t-1,4-Dichloro-2-butene	12.27	75	194984	110.231	ug/l	98
78) 4-Chlorotoluene	12.75	91	1231808	104.029	ug/l	100
79) tert-butylbenzene	12.97	119	1138346	102.932	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	1418360	102.767	ug/l	100
81) sec-Butylbenzene	13.14	105	1476540	102.966	ug/l	99
82) p-Isopropyltoluene	13.26	119	1376138	104.563	ug/l	97
83) 1,3-Dichlorobenzene	13.26	146	723754	105.675	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	725554	104.345	ug/l	98
85) n-Butylbenzene	13.59	91	1182841	102.818	ug/l	98
86) Hexachloroethane	13.85	117	262400	115.162	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	707476	105.443	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	123254	114.682	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	410507	108.293	ug/l	99
90) Hexachlorobutadiene	14.98	225	203245	98.390	ug/l	95
91) Naphthalene	15.10	128	1264679	112.561	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	393503	108.099	ug/l	99

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QLast Update : Mon Oct 26 16:34:22 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

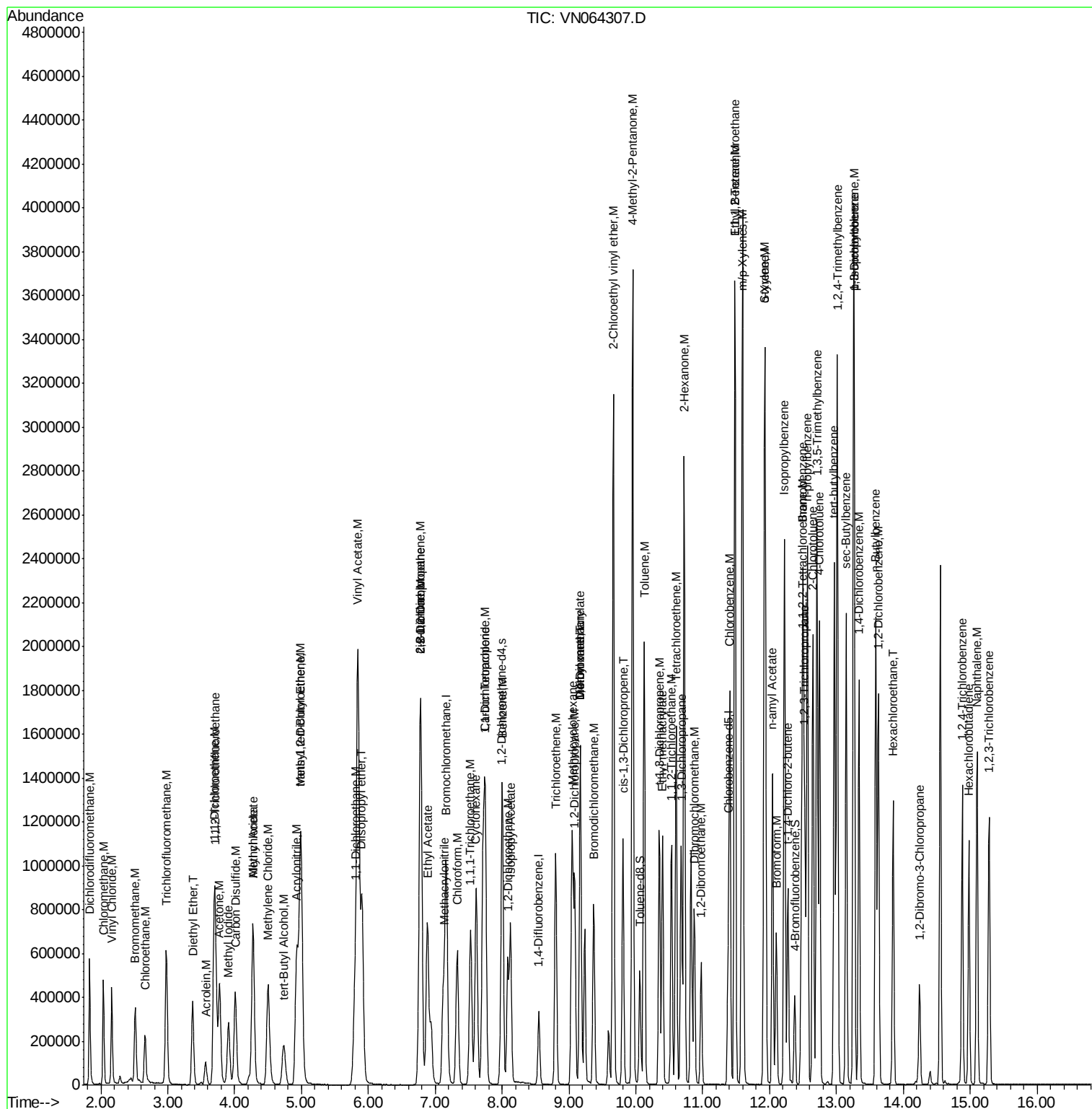
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Data File : VN064307.D
Acq On : 26 Oct 2020 17:05
Operator : JC/MD
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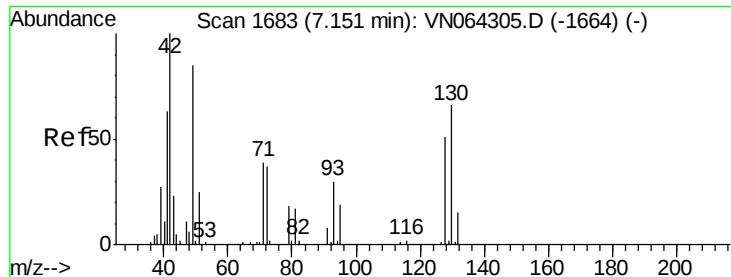
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 50378

Ion Ratio Lower Upper

128 100

49 183.0 0.0 439.5

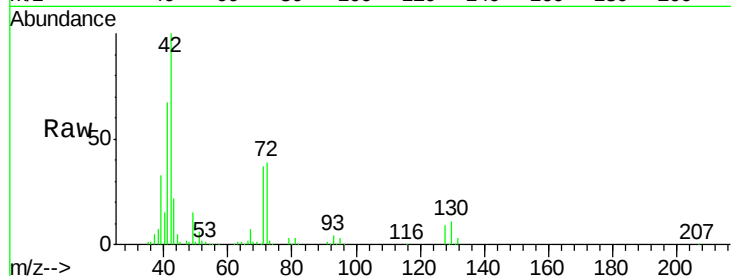
130 131.7 0.0 323.8

Manual Integrations

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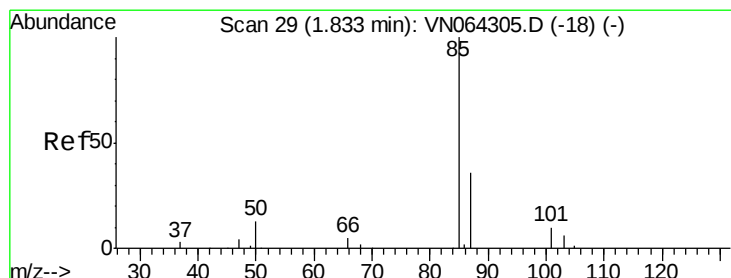
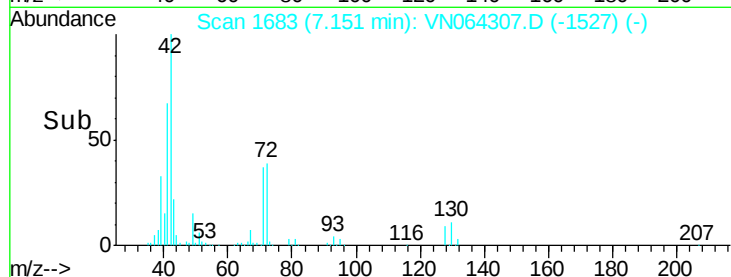
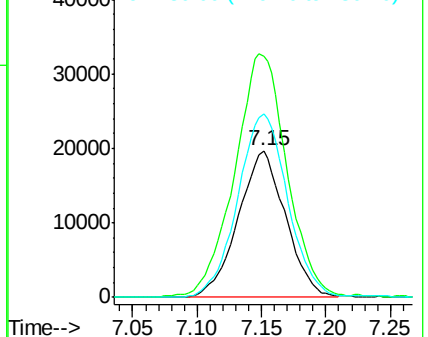
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 130.875 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064307.D

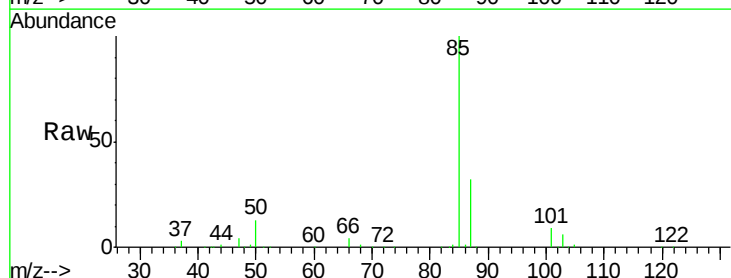
Acq: 26 Oct 2020 17:05

Tgt Ion: 85 Resp: 435895

Ion Ratio Lower Upper

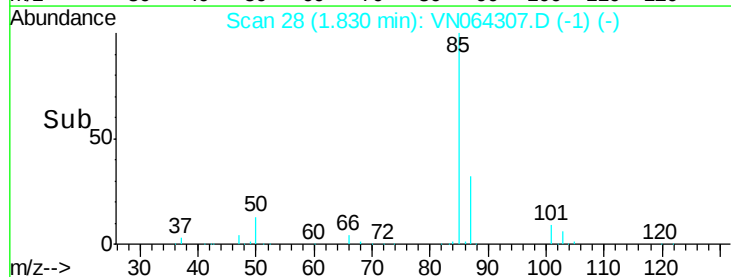
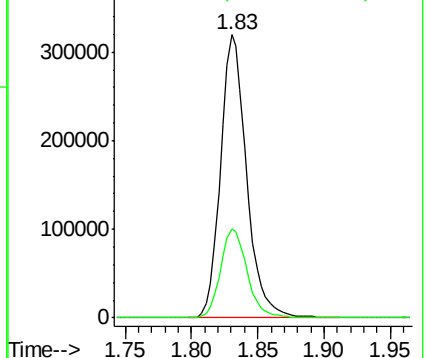
85 100

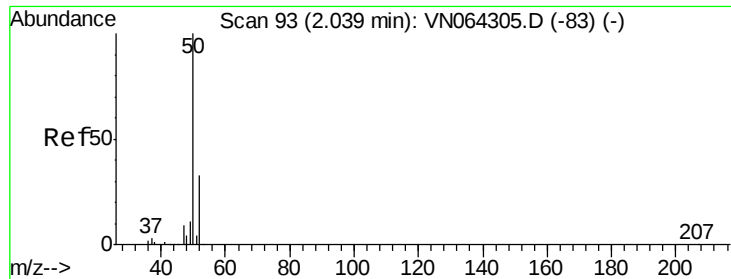
87 31.5 18.1 54.4



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 118.007 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 404258

Ion Ratio Lower Upper

50 100

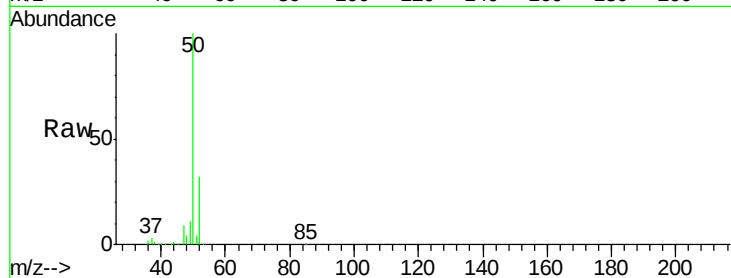
52 32.3 26.2 39.2

Manual Integrations

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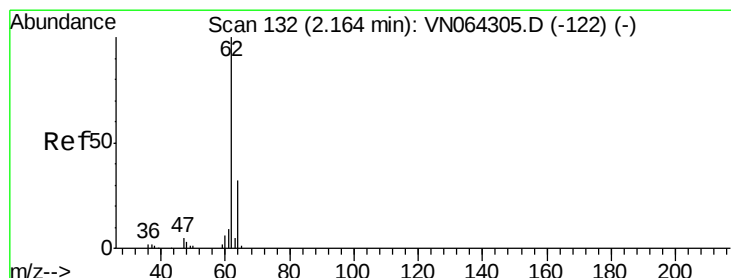
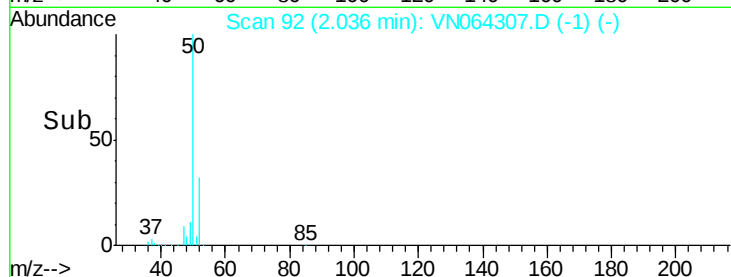
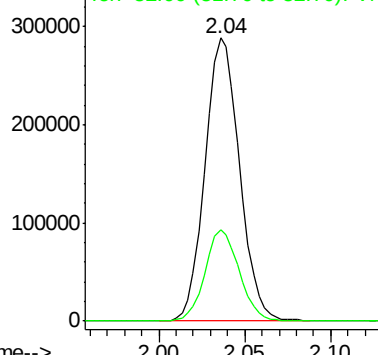
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 112.211 ug/l

RT: 2.16 min Scan# 131

Delta R.T. -0.00 min

Lab File: VN064307.D

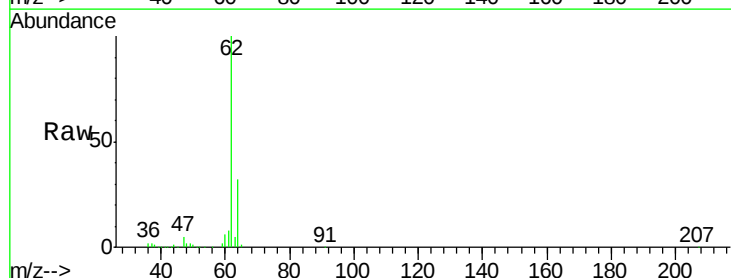
Acq: 26 Oct 2020 17:05

Tgt Ion: 62 Resp: 387266

Ion Ratio Lower Upper

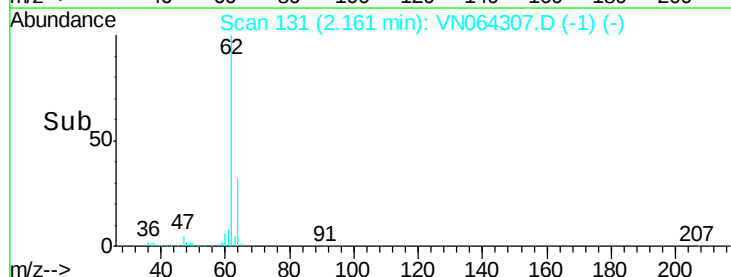
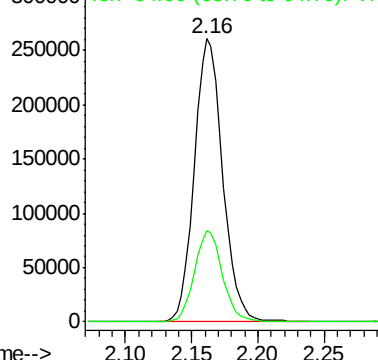
62 100

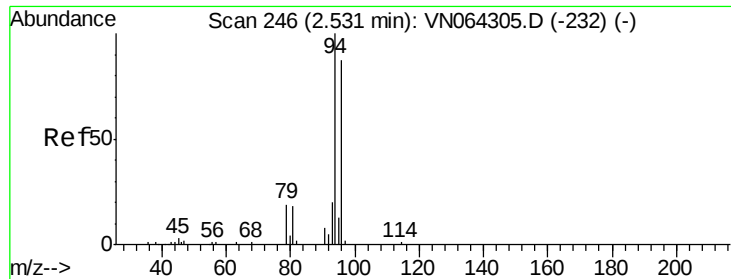
64 32.1 25.5 38.3



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 104.981 ug/l

RT: 2.51 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 235124

Ion Ratio Lower Upper

94 100

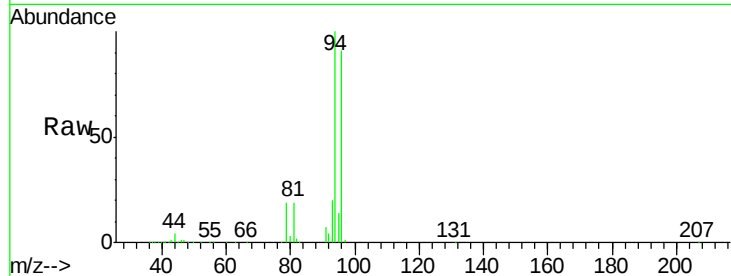
96 90.8 69.4 104.0

Manual Integrations

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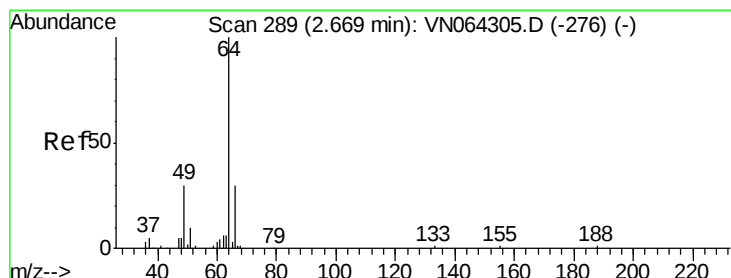
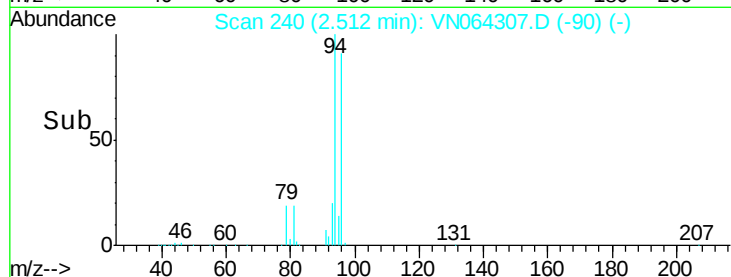
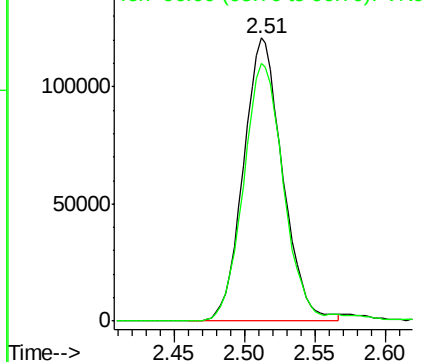
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 107.629 ug/l

RT: 2.66 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN064307.D

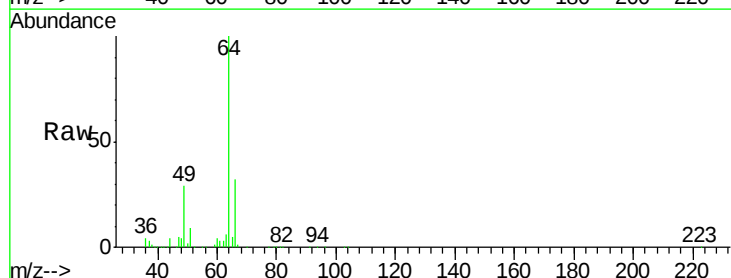
Acq: 26 Oct 2020 17:05

Tgt Ion: 64 Resp: 215570

Ion Ratio Lower Upper

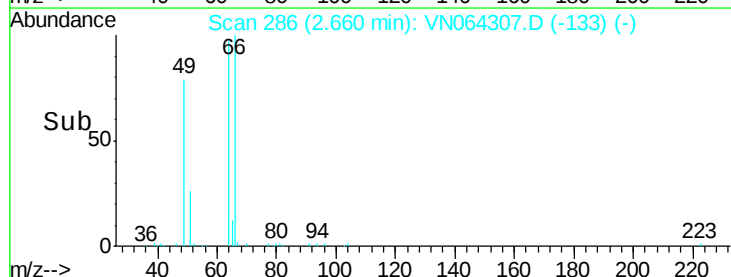
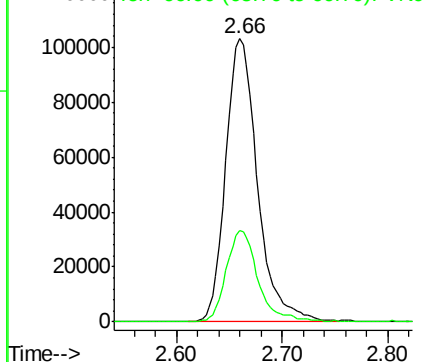
64 100

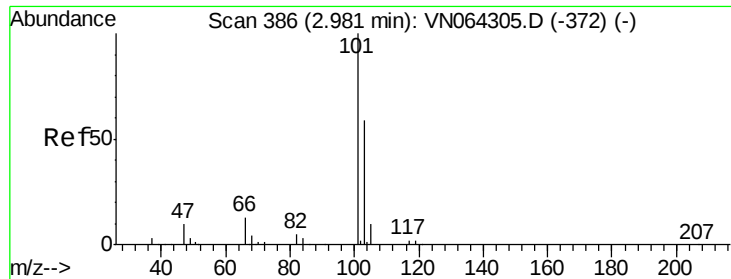
66 32.3 24.1 36.1



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

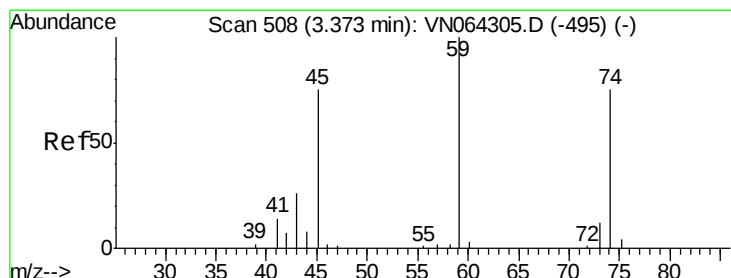
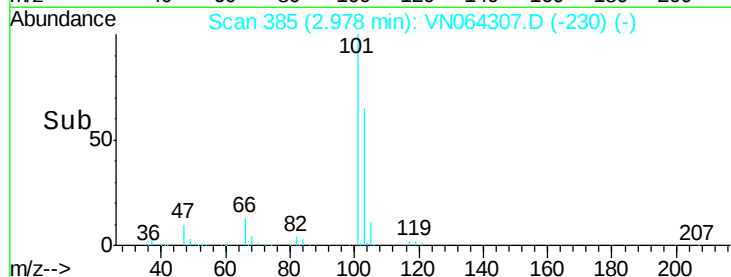
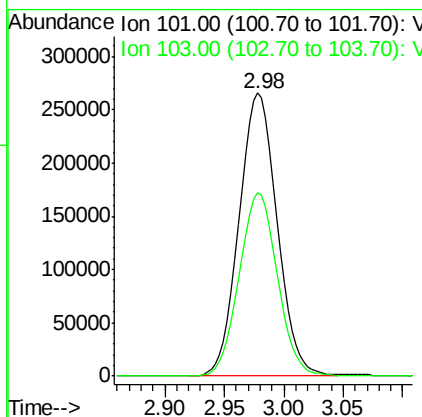
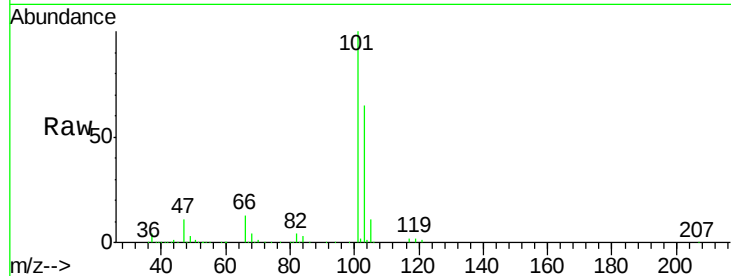
Trichlorofluoromethane
 Concen: 102.350 ug/l
 RT: 2.98 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Instrument :
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 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		590448		
103	64.6	47.1	70.7		

Manual Integrations
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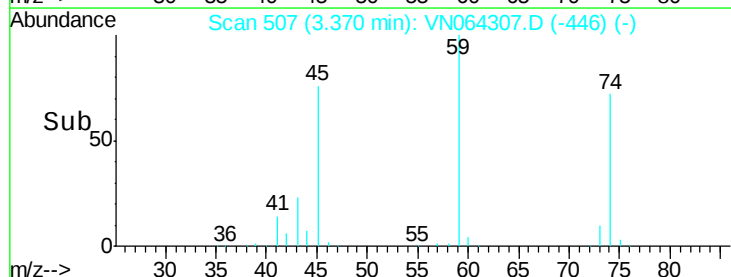
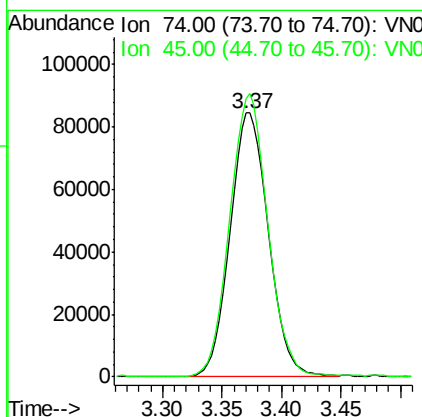
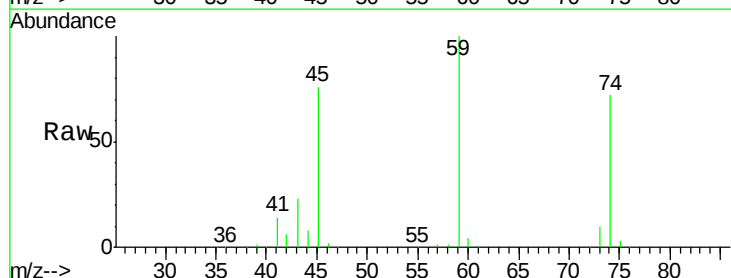
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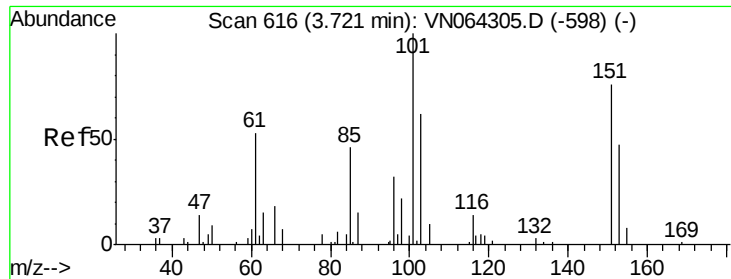


#8

Diethyl Ether
 Concen: 99.813 ug/l
 RT: 3.37 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		188948		
45	106.6	20.4	183.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.564 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

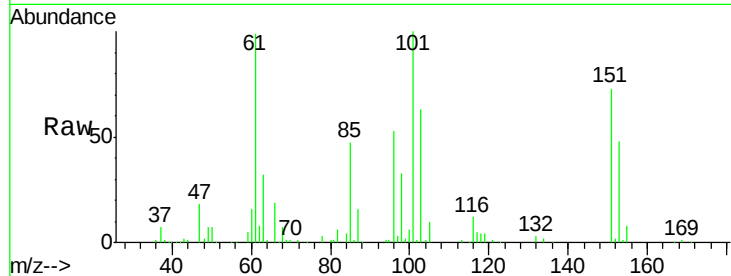
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	300133
Ion Ratio	Lower	Upper	
101	100		
85	48.5	0.0	96.2
151	76.3	0.0	154.4

Manual Integrations
APPROVED

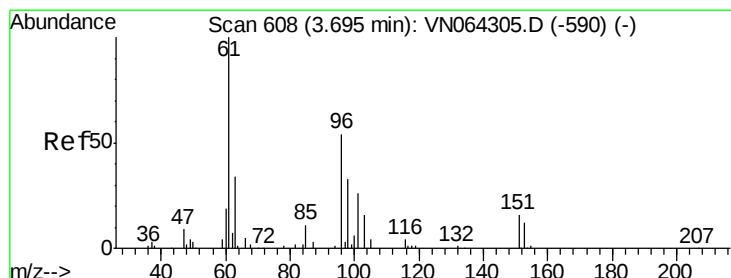
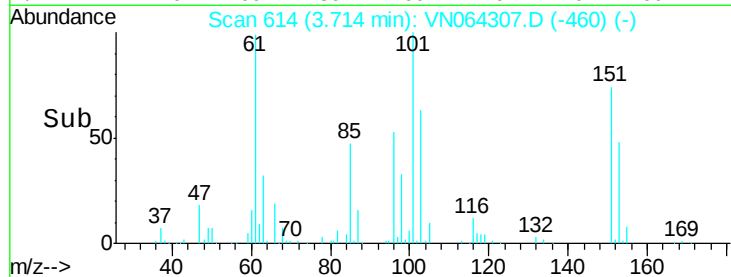
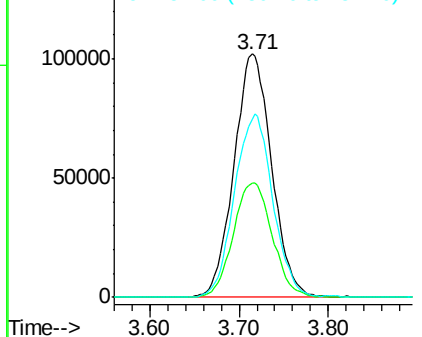
MMDadoda
10/27/2020 2:21:04 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 106.824 ug/l

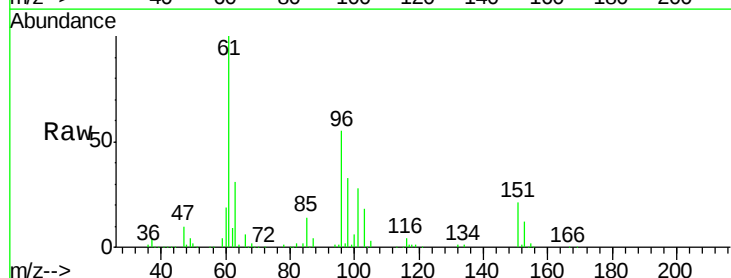
RT: 3.69 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

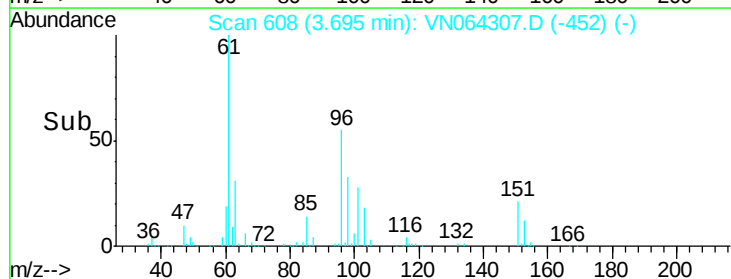
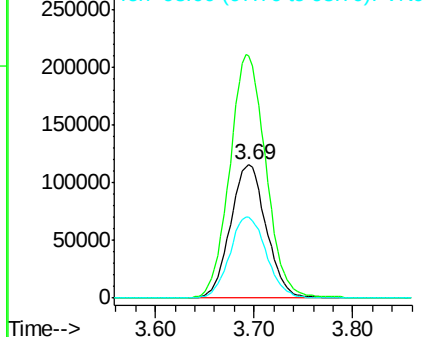
Tgt Ion:	96	Resp:	292694
Ion Ratio	Lower	Upper	
96	100		
61	181.7	147.4	221.2
98	60.6	48.8	73.2

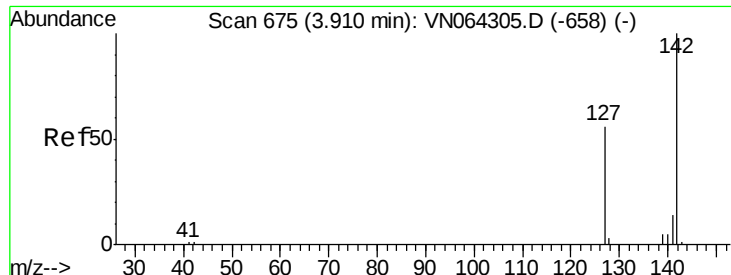


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





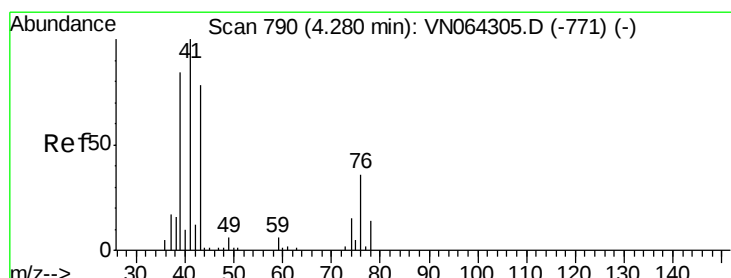
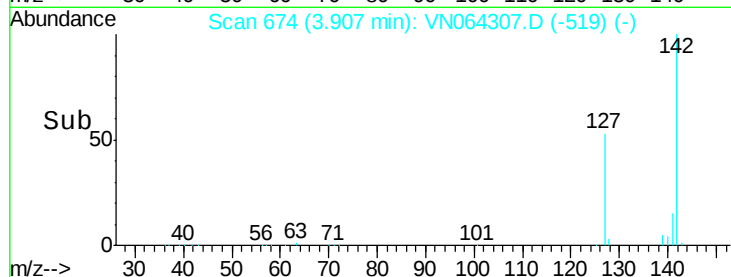
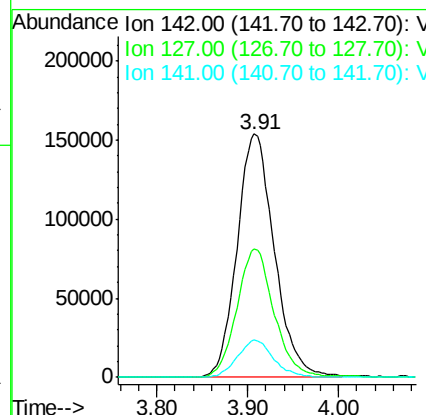
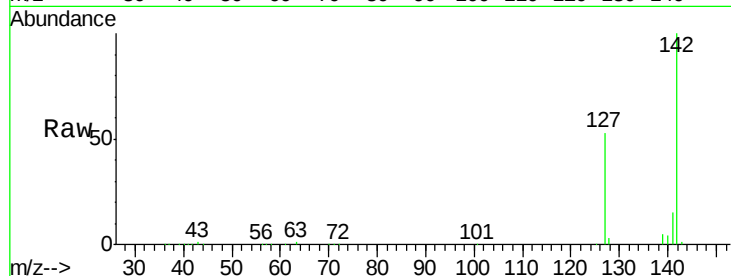
#11
Methyl Iodide
Concen: 111.097 ug/l
RT: 3.91 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	52.7	27.9	83.7
141	15.2	7.1	21.3

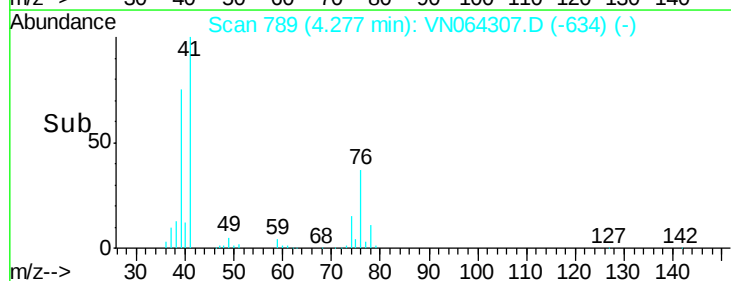
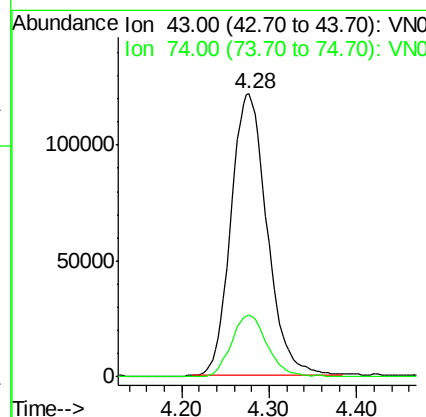
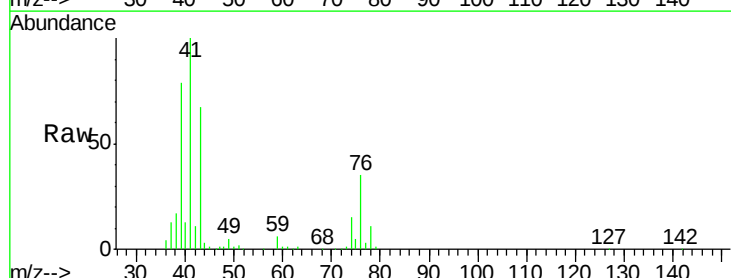
Manual Integrations
APPROVED

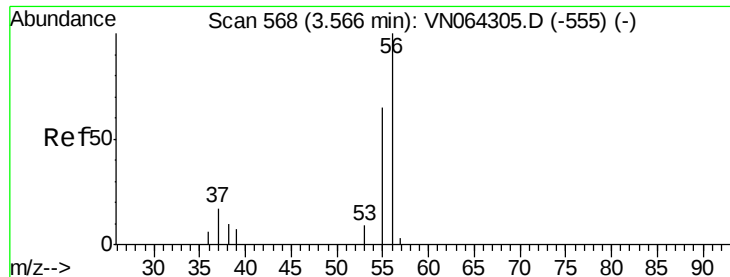
MMDadoda
10/27/2020 2:21:04 PM



#12
Methyl Acetate
Concen: 107.526 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	15.4	23.0





#13

Acrolein

Concen: 441.194 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 113414

Ion Ratio Lower Upper

56 100

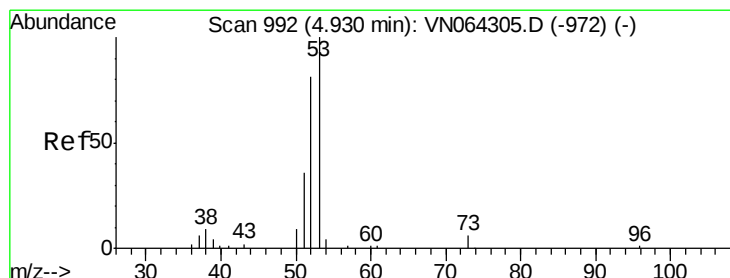
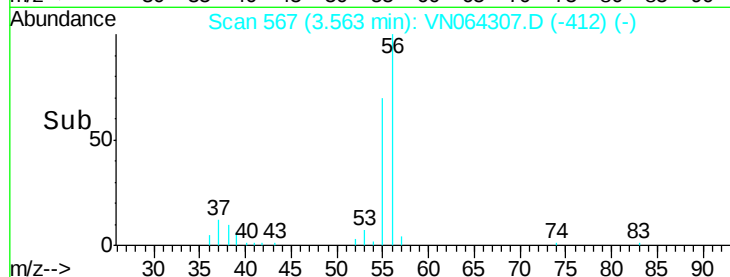
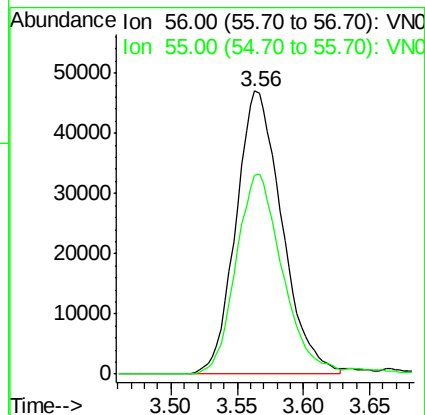
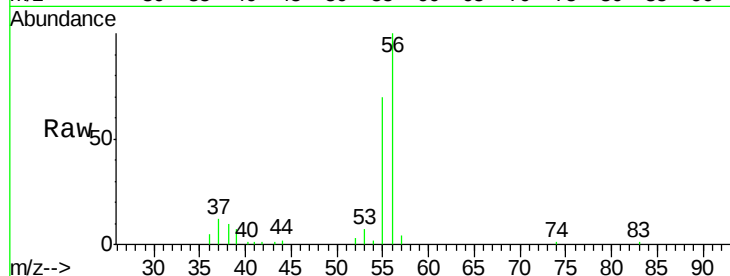
55 71.2 55.5 83.3

Manual Integrations

APPROVED

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#14

Acrylonitrile

Concen: 618.530 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

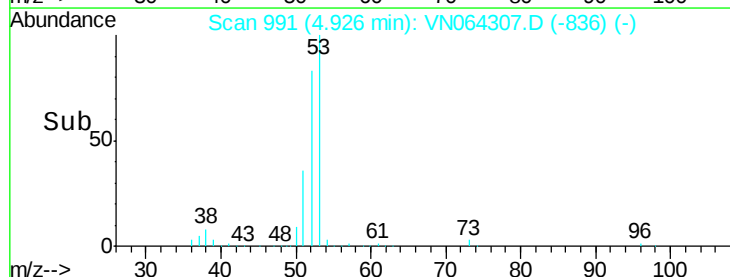
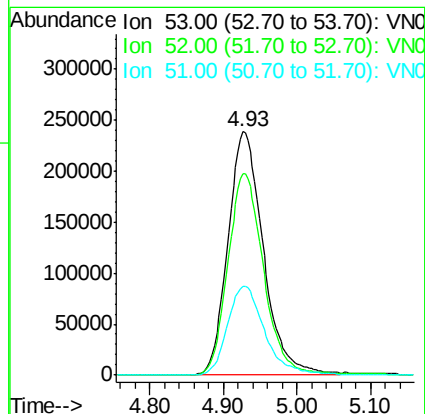
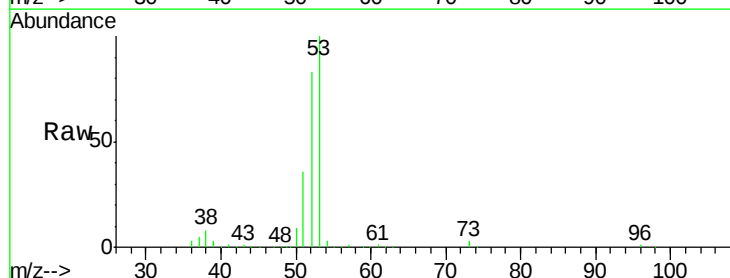
Tgt Ion: 53 Resp: 797720

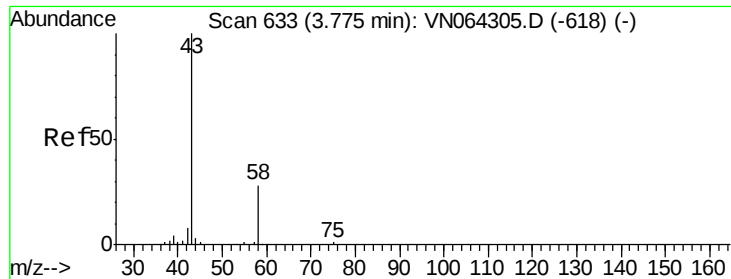
Ion Ratio Lower Upper

53 100

52 83.0 41.7 125.1

51 38.2 19.4 58.2





#15

Acetone

Concen: 506.944 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 199953

Ion Ratio Lower Upper

58 100

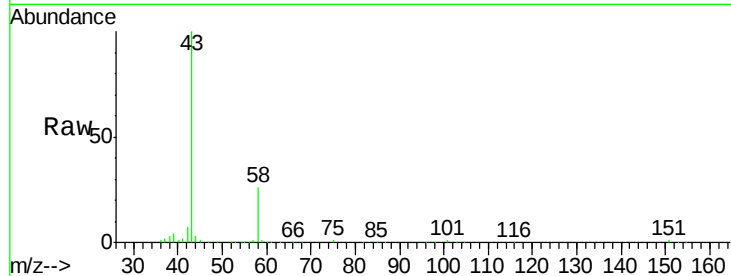
43 378.6 289.9 434.9

Manual Integrations

APPROVED

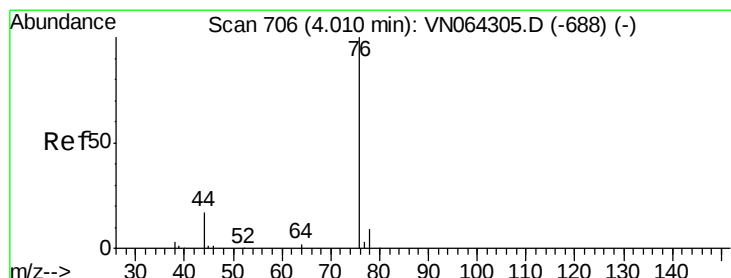
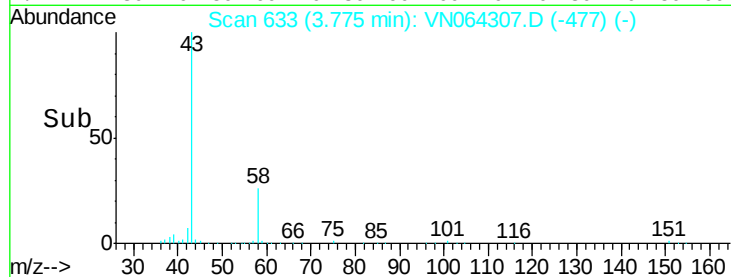
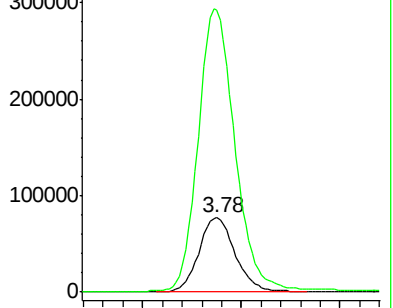
MMDadoda

10/27/2020 2:21:04 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 107.897 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064307.D

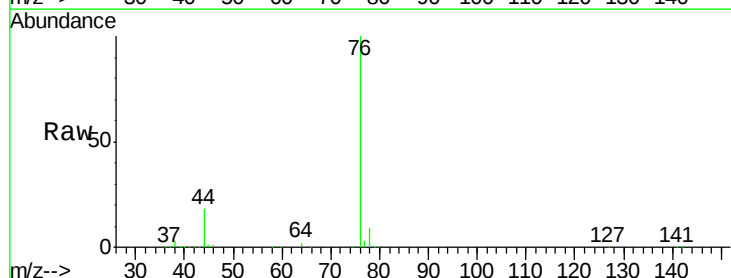
Acq: 26 Oct 2020 17:05

Tgt Ion: 76 Resp: 859156

Ion Ratio Lower Upper

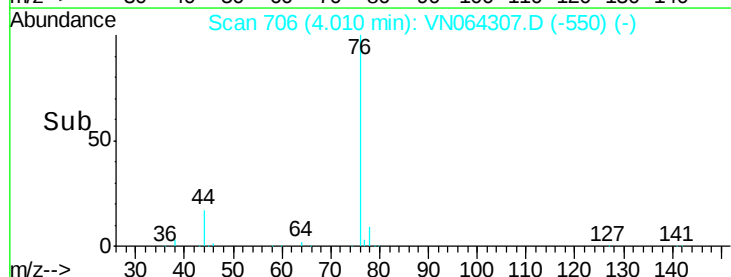
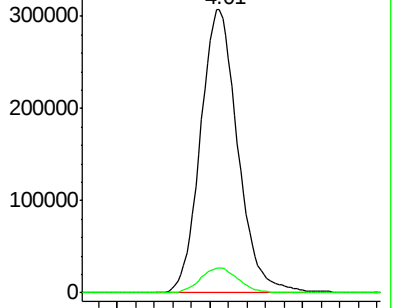
76 100

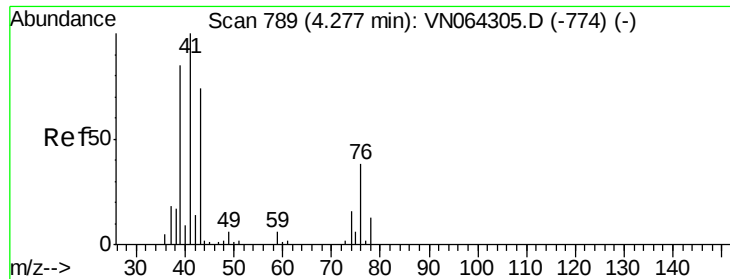
78 9.0 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





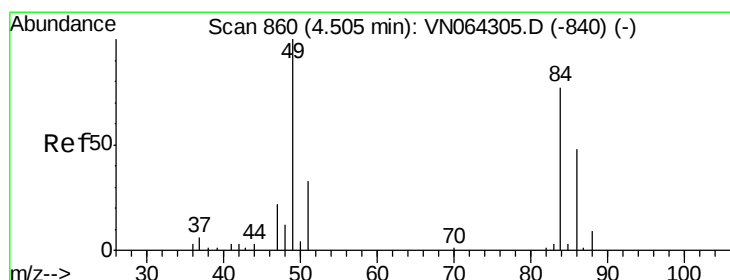
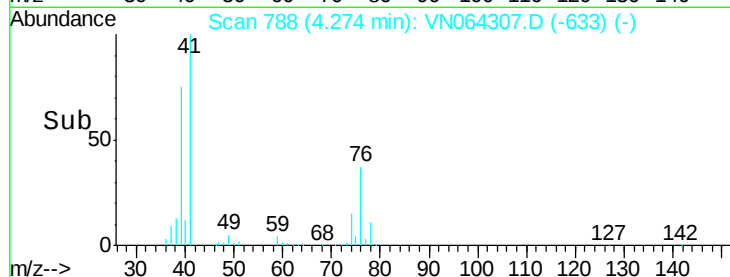
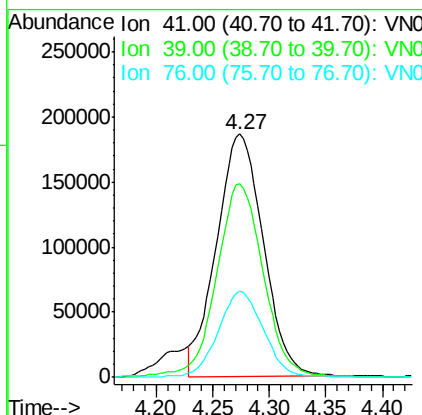
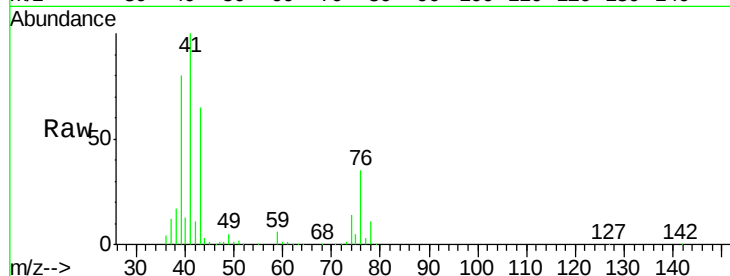
#17
Allvl chloride
Concen: 101.577 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.6	40.3	120.9
76	35.5	17.6	52.9

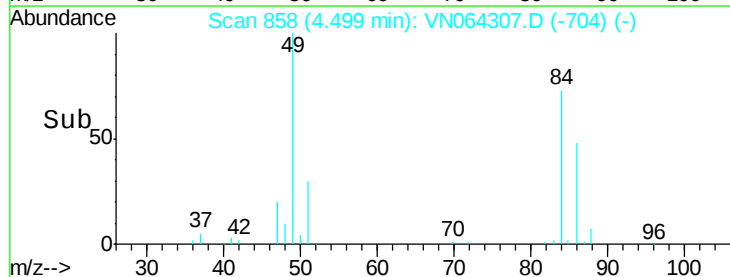
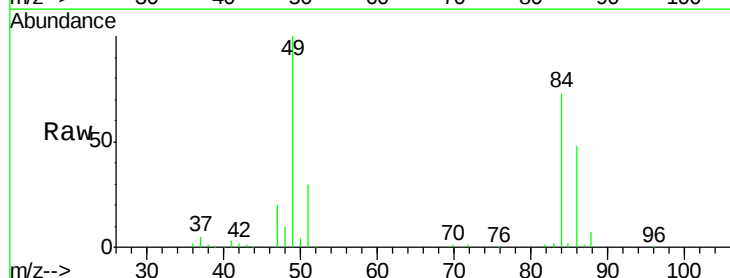
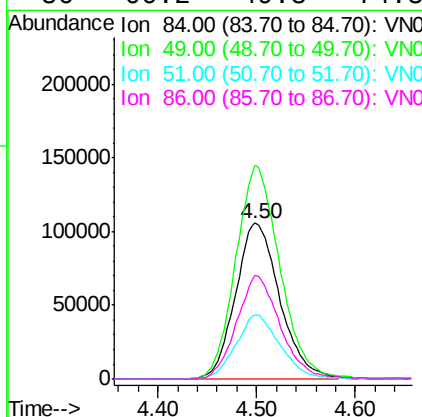
Manual Integrations
APPROVED

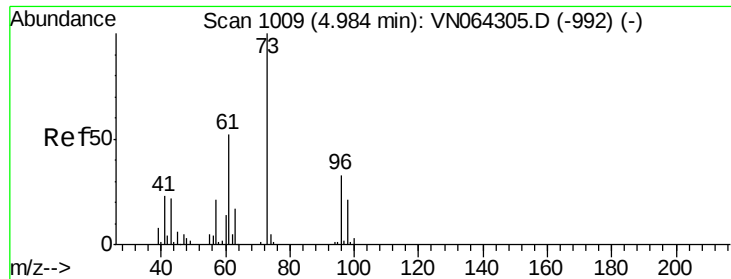
MMDadoda
10/27/2020 2:21:04 PM



#18
Methylene Chloride
Concen: 101.717 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.9	103.1	154.7
51	41.5	33.8	50.8
86	66.2	49.8	74.8





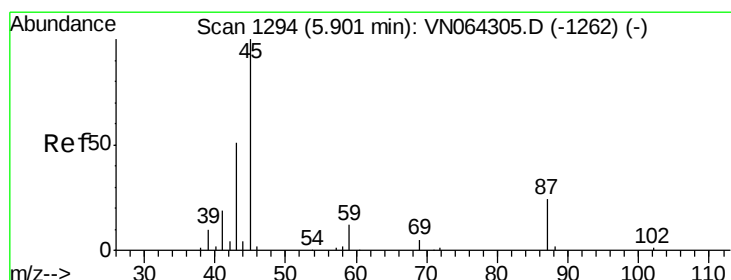
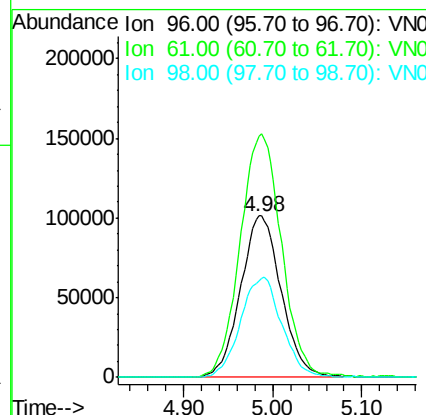
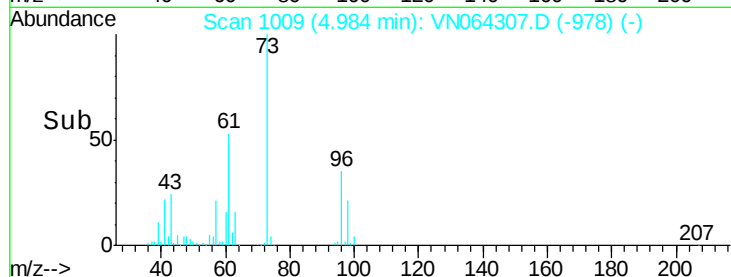
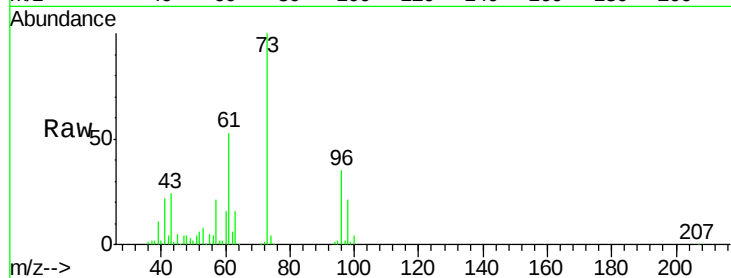
#19
trans-1,2-Dichloroethene
Concen: 104.292 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.8	126.9	190.3
98	59.9	50.6	76.0

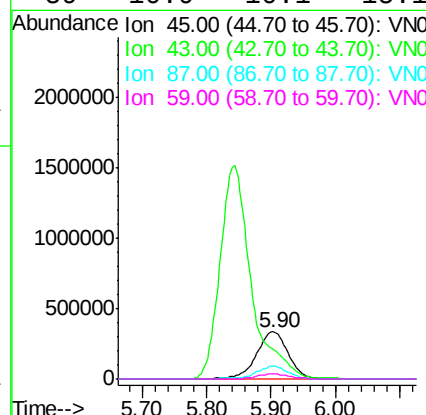
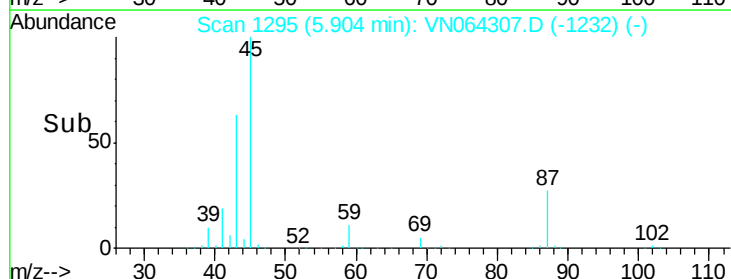
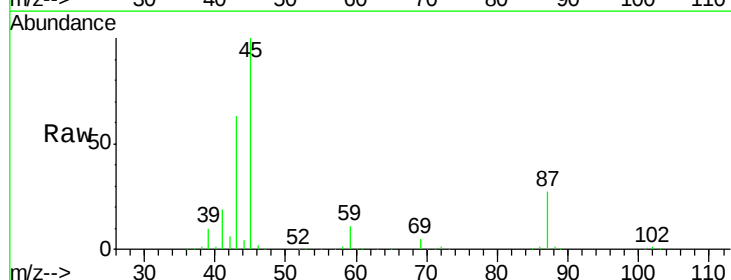
Manual Integrations
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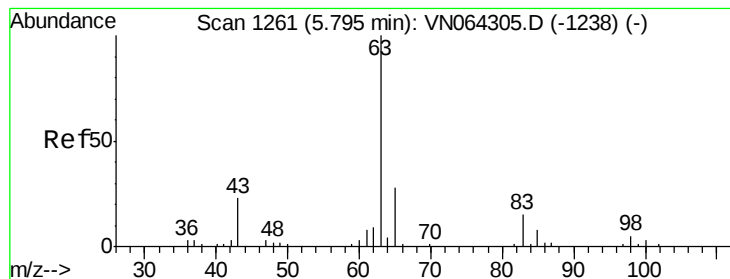
MMDadoda
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#20
Diisopropyl ether
Concen: 113.223 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	56.6	85.0
87	26.8	20.3	30.5
59	10.9	10.1	15.1





#21

1,1-Dichloroethane

Concen: 103.897 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

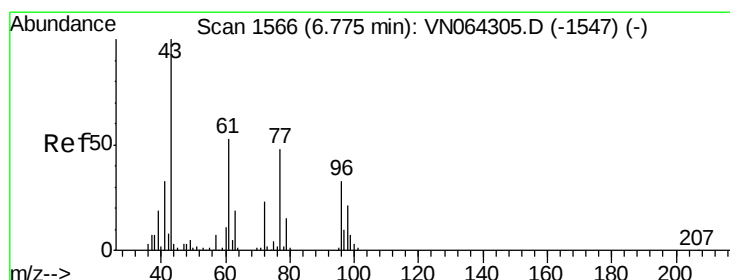
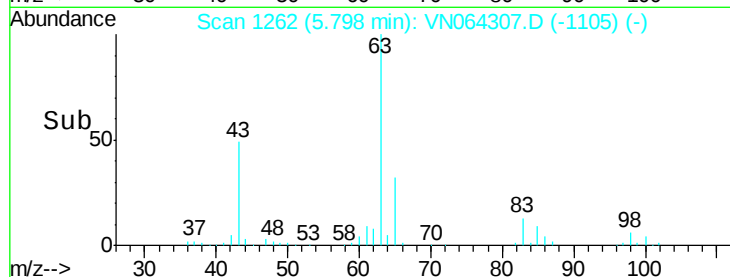
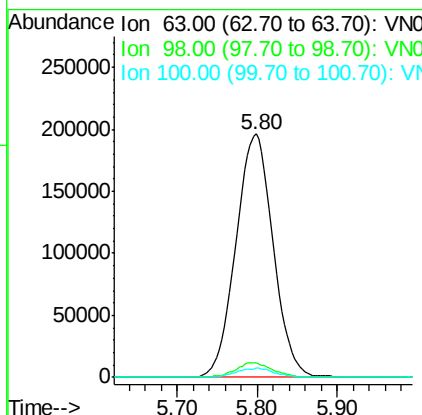
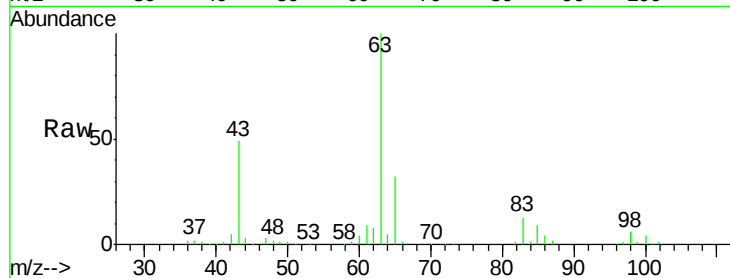
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.6	8.0
100	3.7	1.6	4.8

Manual Integrations
APPROVED

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10/27/2020 2:21:04 PM



#22

cis-1,2-Dichloroethene

Concen: 102.485 ug/l

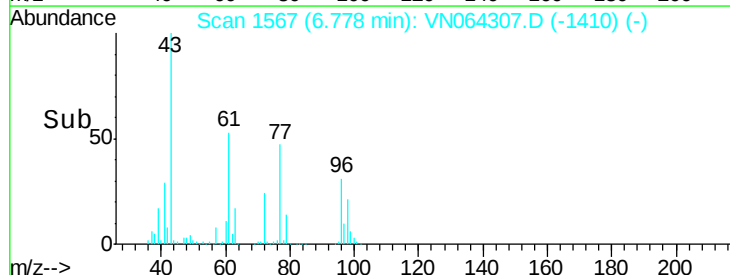
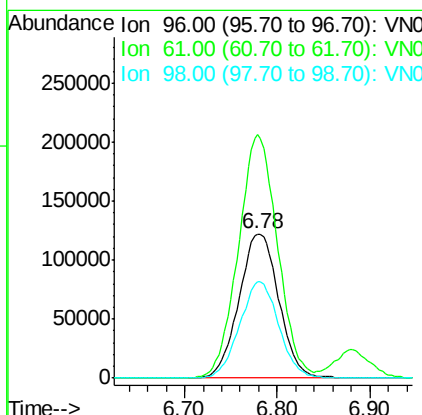
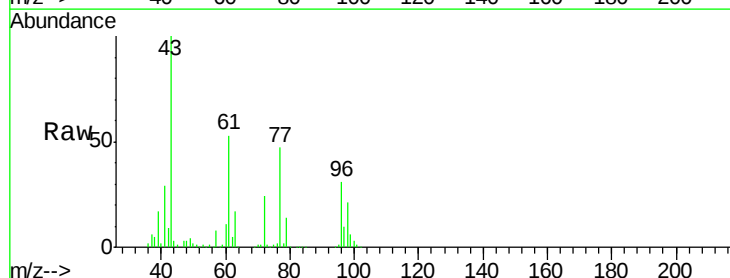
RT: 6.78 min Scan# 1567

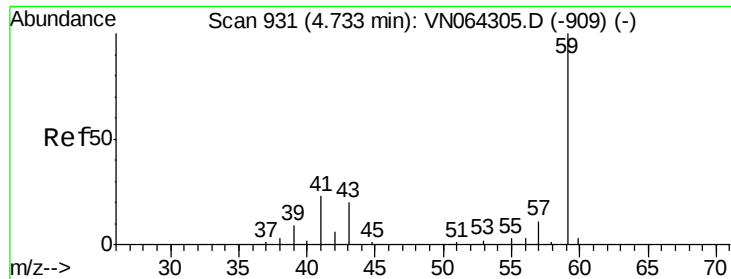
Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.1	133.0	199.6
98	65.6	51.6	77.4





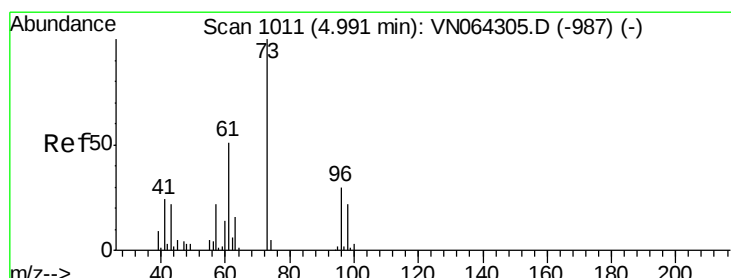
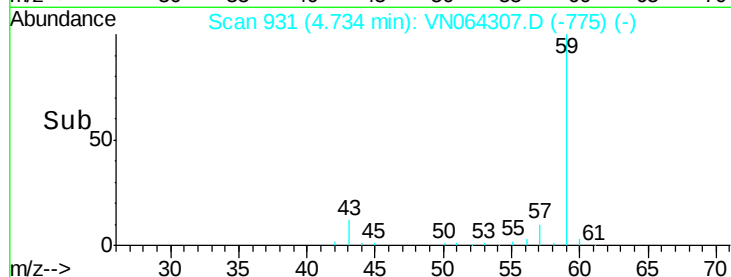
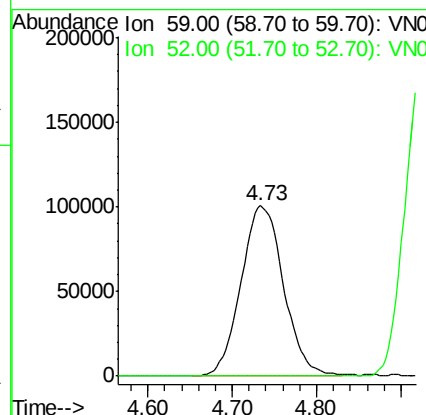
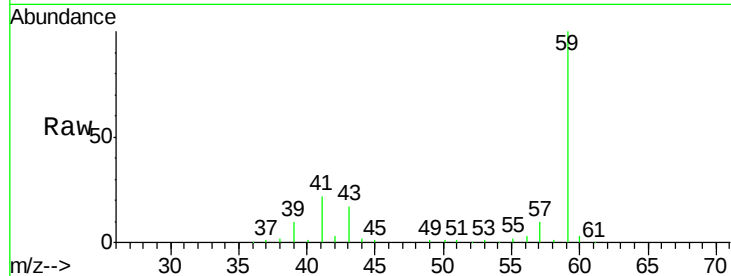
#23
tert-Butyl Alcohol
Concen: 597.667 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 353456
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

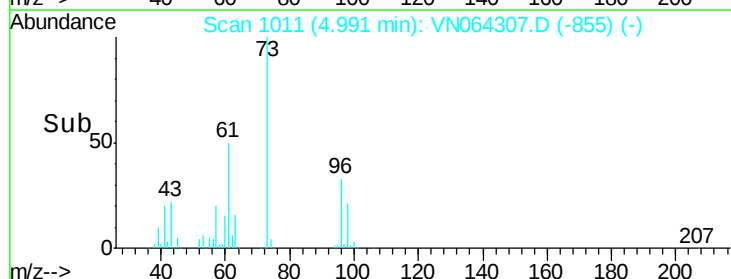
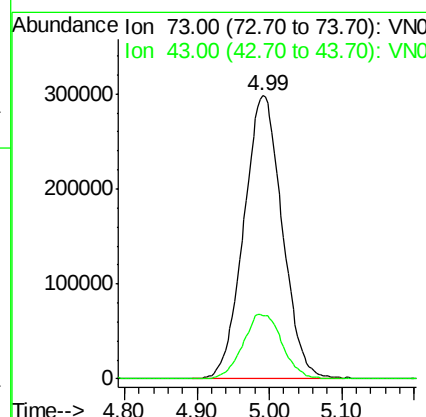
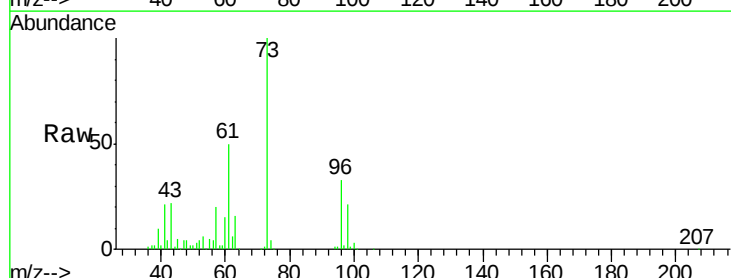
Manual Integrations
APPROVED

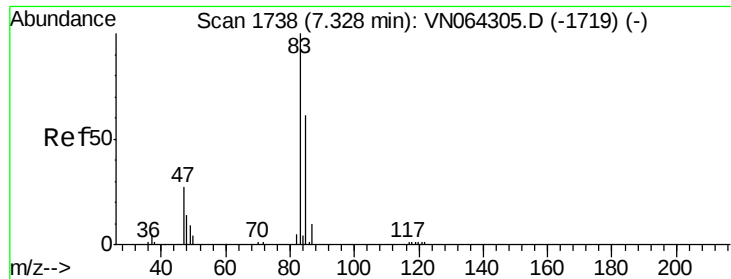
MMDadoda
10/27/2020 2:21:04 PM



#24
Methyl tert-Butyl Ether
Concen: 112.633 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion: 73 Resp: 1099139
Ion Ratio Lower Upper
73 100
43 12.0 19.4 29.2#





#25

Chloroform

Concen: 100.535 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 648185

Ion Ratio Lower Upper

83 100

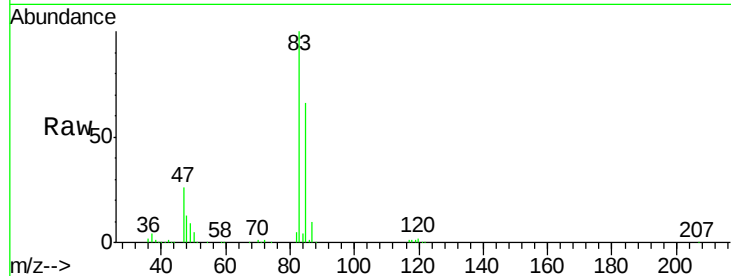
85 66.0 48.6 73.0

Manual Integrations

APPROVED

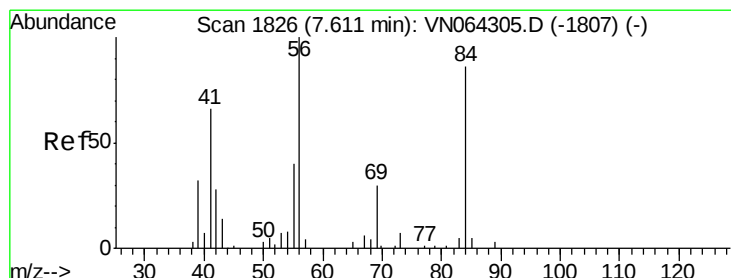
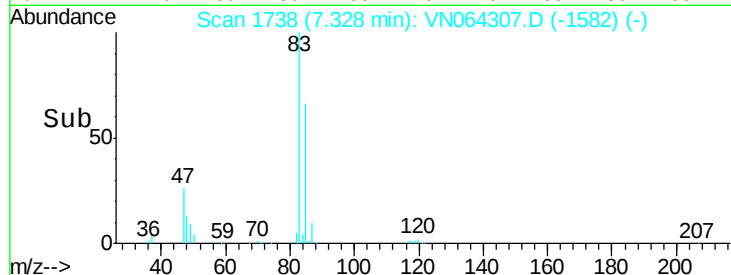
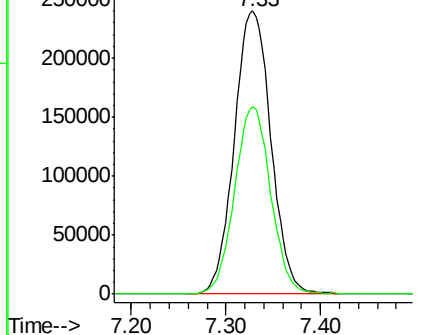
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 113.304 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

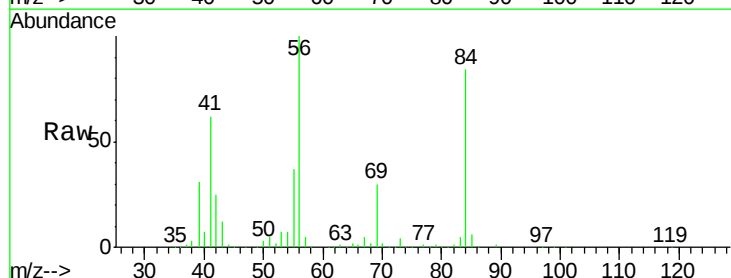
Tgt Ion: 56 Resp: 527347

Ion Ratio Lower Upper

56 100

89 0.5 1.0 1.6#

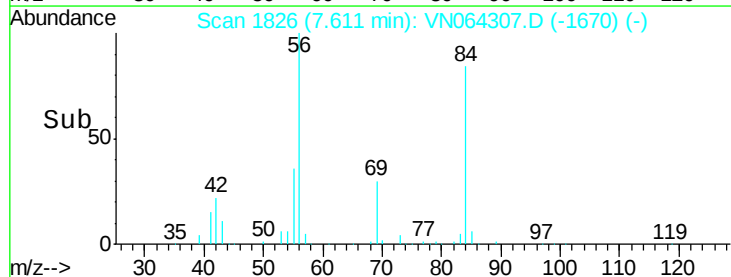
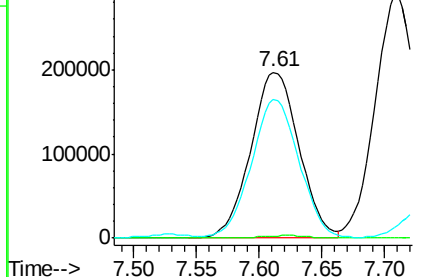
84 83.2 67.5 101.3

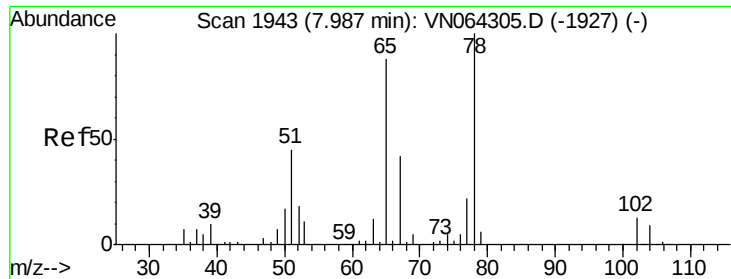


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 30.394 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 134549

Ion Ratio Lower Upper

65 100

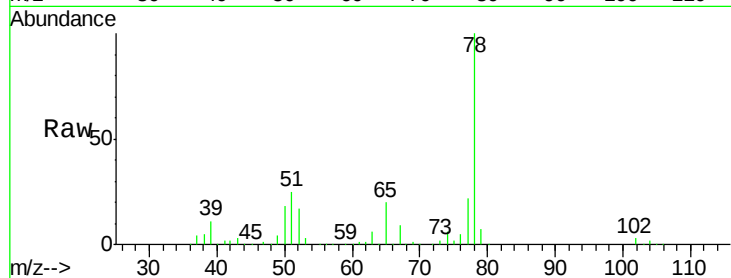
67 47.9 38.5 57.7

Manual Integrations

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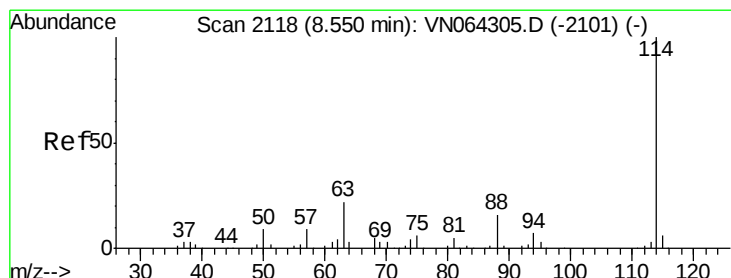
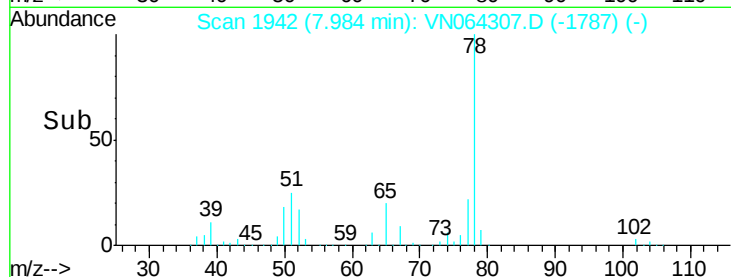
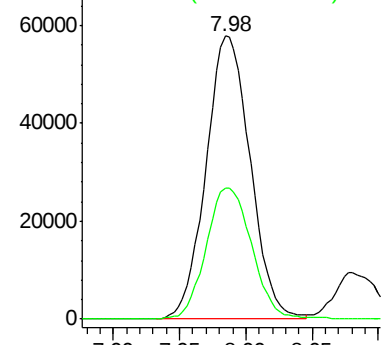
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

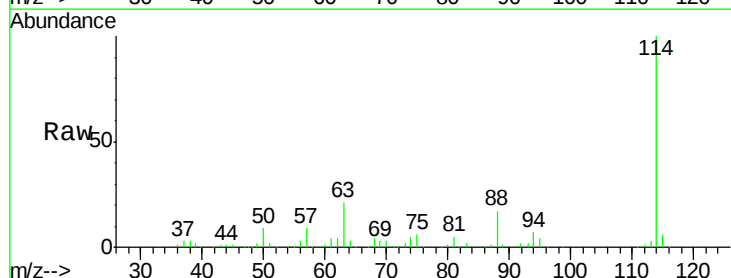
Tgt Ion: 114 Resp: 285495

Ion Ratio Lower Upper

114 100

63 21.4 18.3 27.5

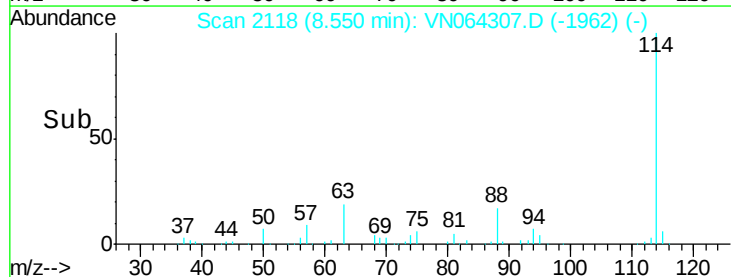
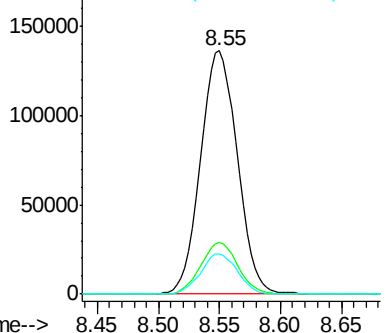
88 16.5 13.2 19.8

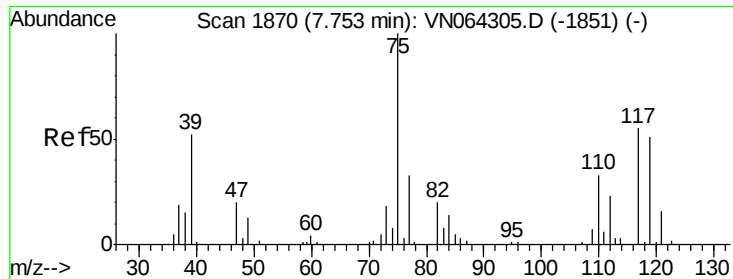


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





#29

1,1-Dichloropropene

Concen: 101.179 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

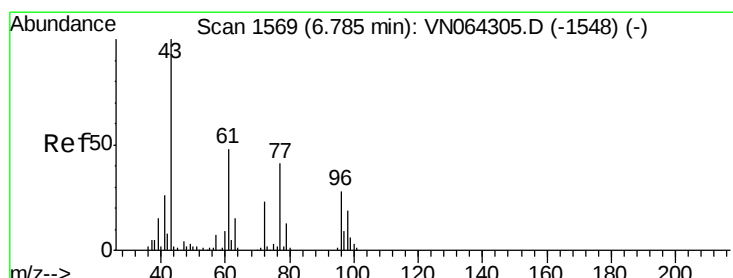
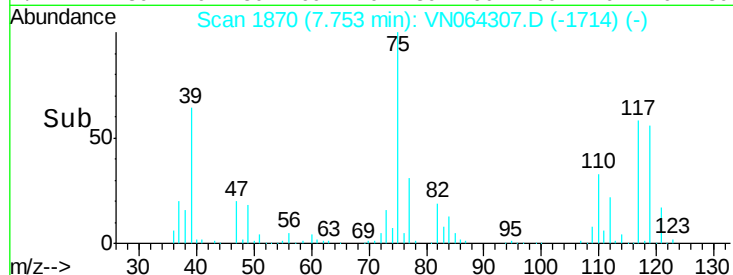
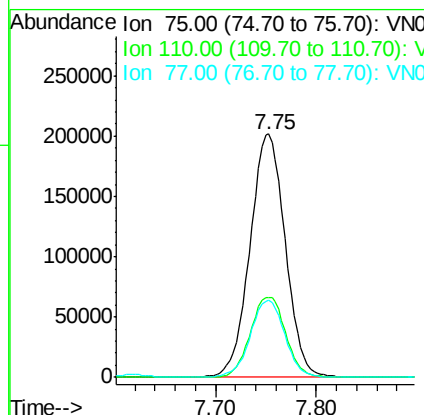
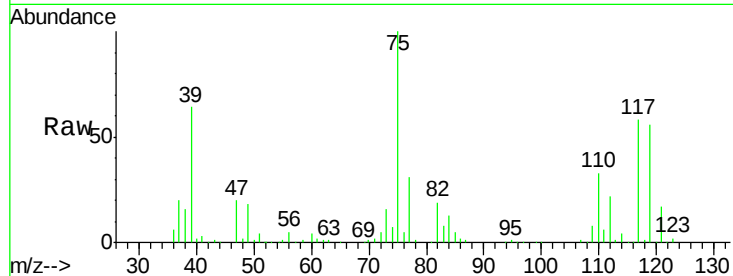
VSTDIC100

Tot Ion: 75 Resp: 488517
Ion Ratio Lower Upper

75	100		
110	33.1	0.0	64.4
77	31.0	0.0	63.6

Manual Integrations
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#30

2-Butanone

Concen: 541.927 ug/l

RT: 6.78 min Scan# 1569

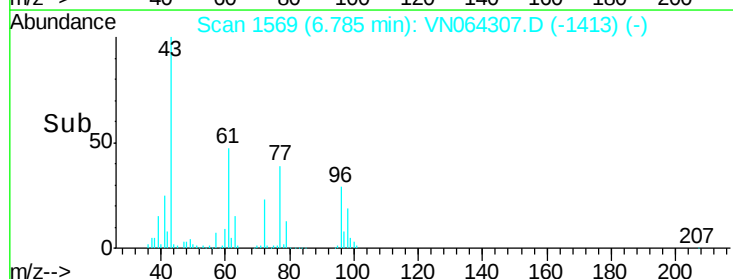
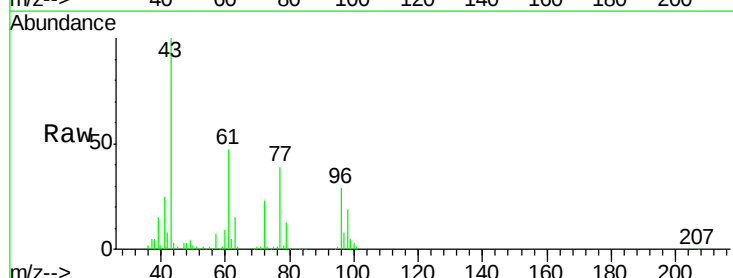
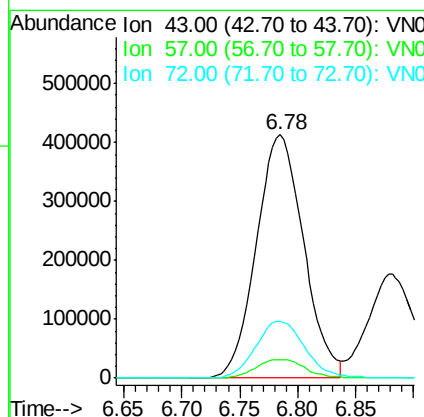
Delta R.T. 0.00 min

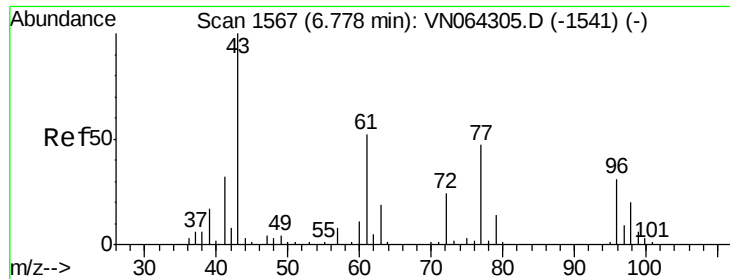
Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Tgt Ion: 43 Resp: 1169386
Ion Ratio Lower Upper

43	100		
57	4.2	4.1	6.1
72	24.4	19.0	28.6





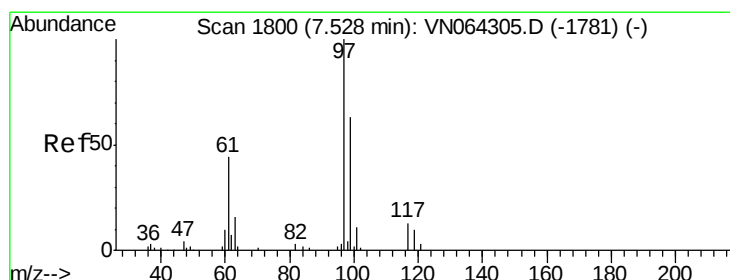
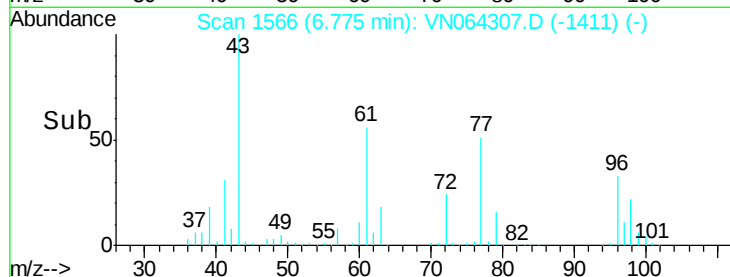
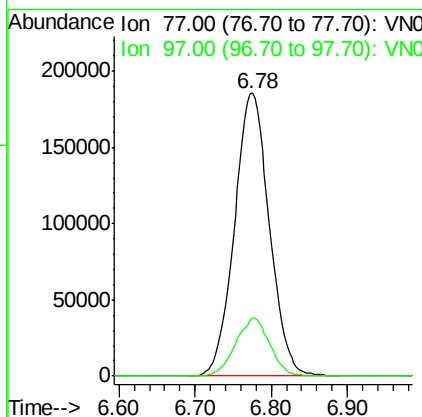
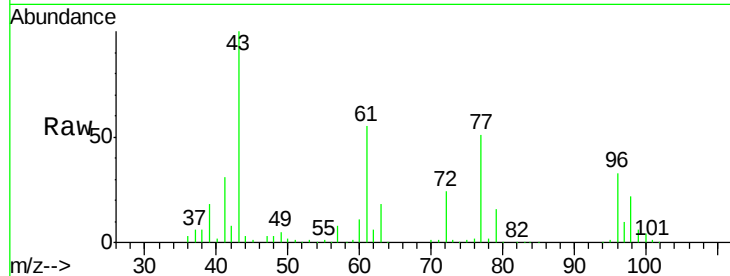
#31
 2,2-Dichloropropane
 Concen: 98.460 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 77 Resp: 590849
 Ion Ratio Lower Upper
 77 100
 97 20.1 5.8 8.8#

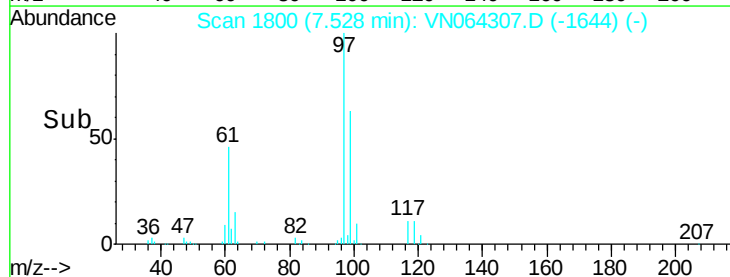
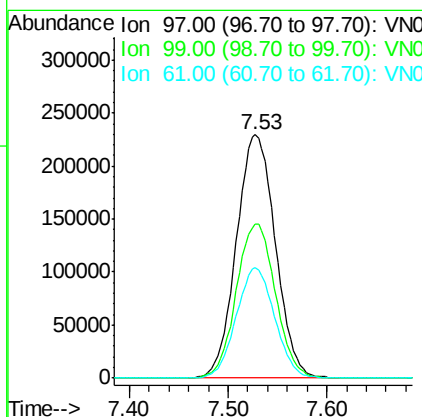
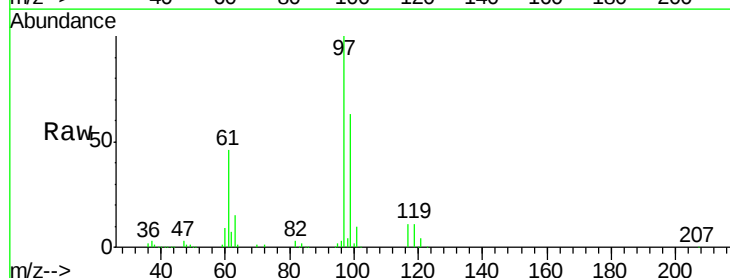
Manual Integrations
 APPROVED

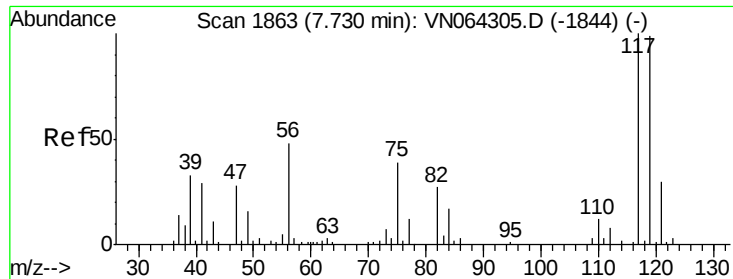
MMDadoda
 10/27/2020 2:21:04 PM



#32
 1,1,1-Trichloroethane
 Concen: 101.894 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion: 97 Resp: 629053
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.6 77.4
 61 44.6 36.4 54.6





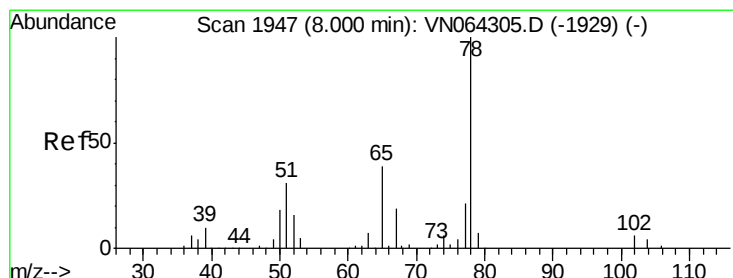
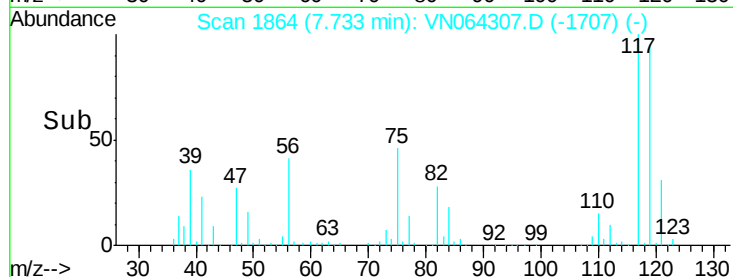
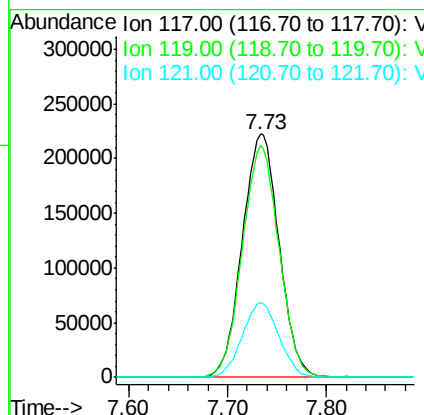
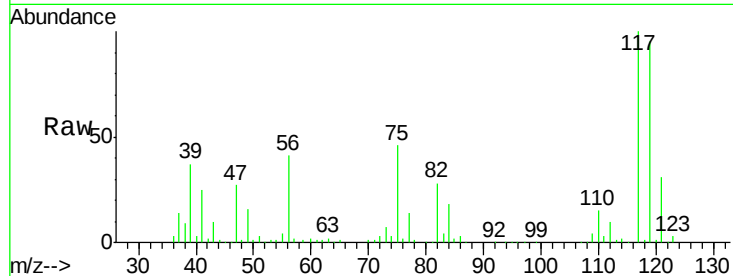
#33
Carbon Tetrachloride
Concen: 103.681 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.1	79.3	118.9
121	30.9	24.6	37.0

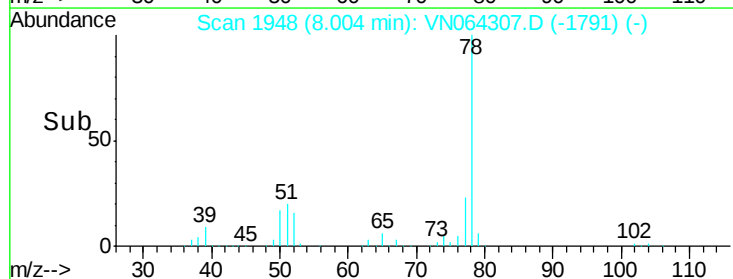
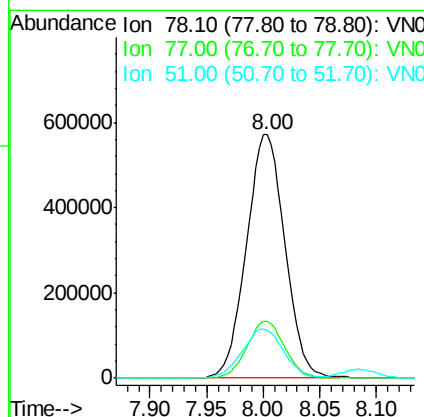
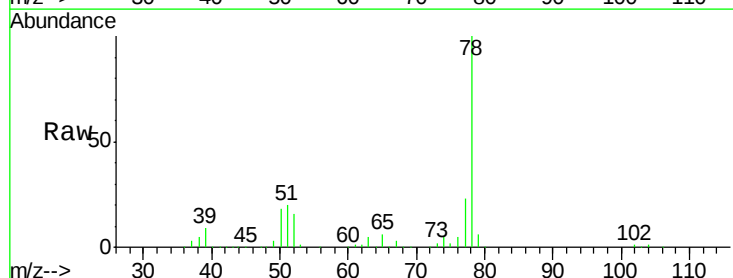
Manual Integrations
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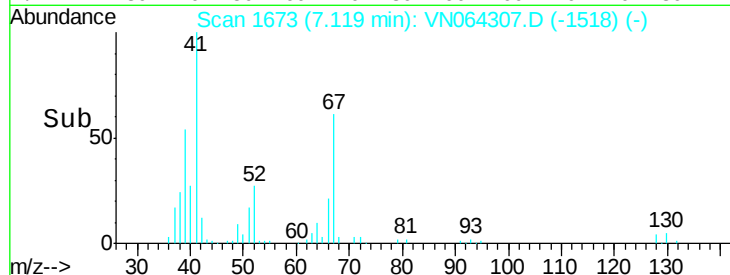
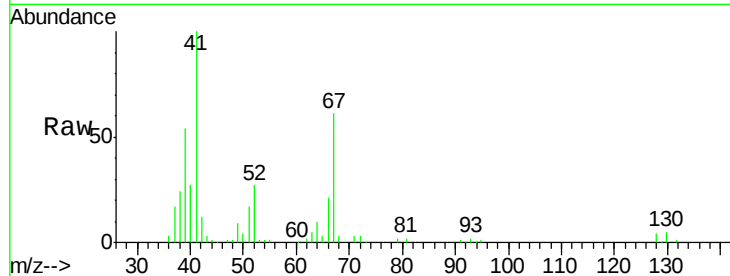
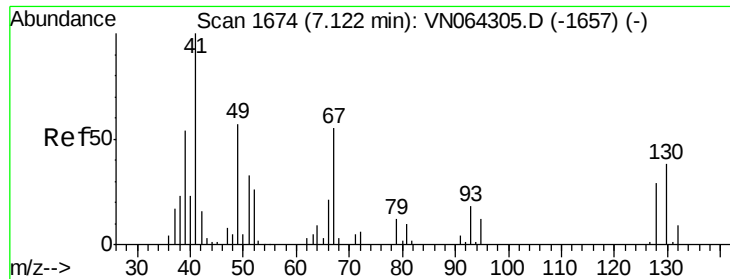
MMDadoda
10/27/2020 2:21:04 PM



#34
Benzene
Concen: 102.274 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	16.5	24.7
51	19.8	24.5	36.7#





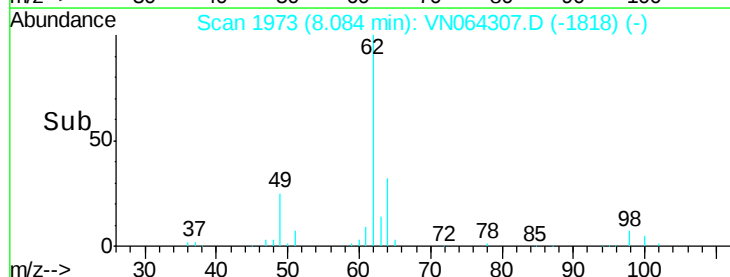
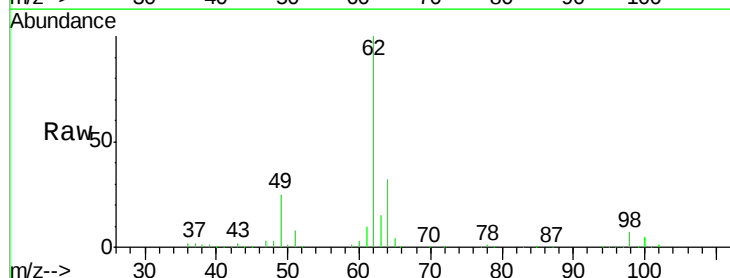
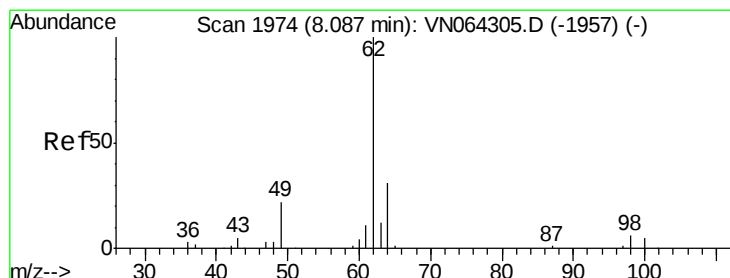
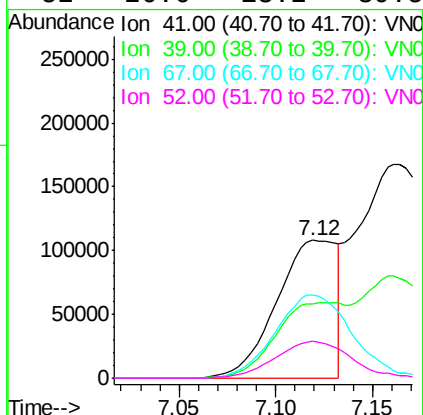
#35
Methacrylonitrile
Concen: 107.389 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tot Ion	41.00	Resp	233138
Ion	Ratio	Lower	Upper
41	100		
39	54.1	27.1	81.2
67	60.8	27.7	83.1
52	26.6	13.2	39.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

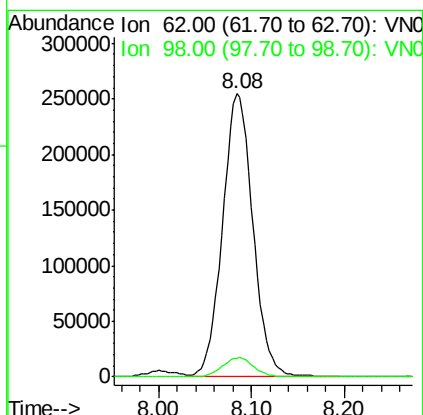
Manual Integrations
APPROVED

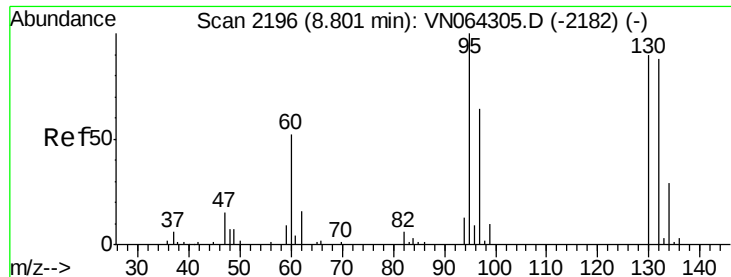
MMDadoda
10/27/2020 2:21:04 PM



#36
1,2-Dichloroethane
Concen: 101.218 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion	62.00	Resp	578661
Ion	Ratio	Lower	Upper
62	100		
98	7.0	3.4	5.0#





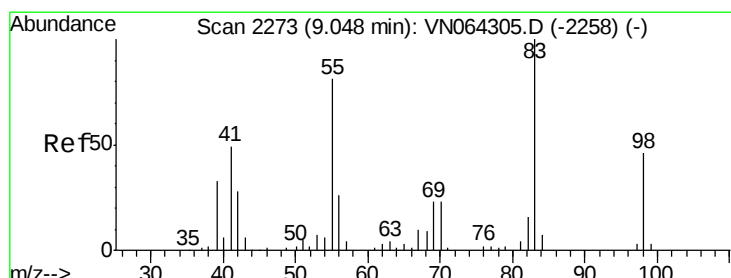
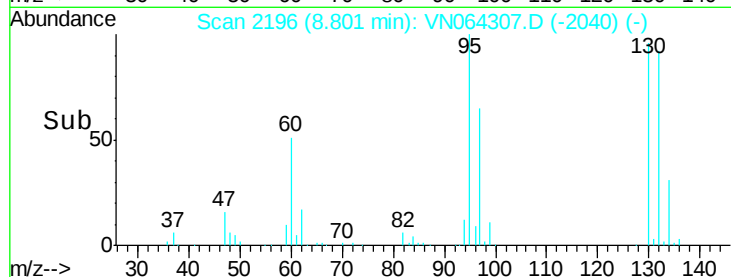
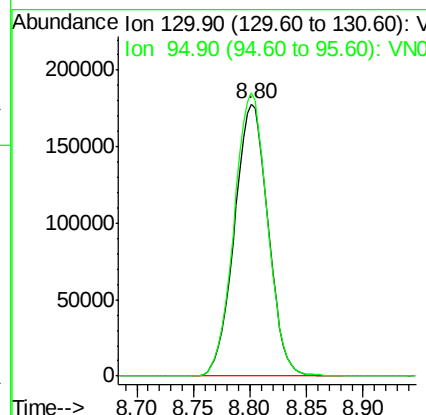
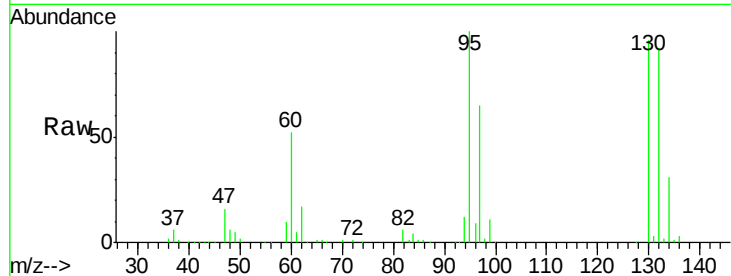
#37
 Trichloroethene
 Concen: 102.350 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 369084
 Ion Ratio Lower Upper
 130 100
 95 103.9 88.8 133.2

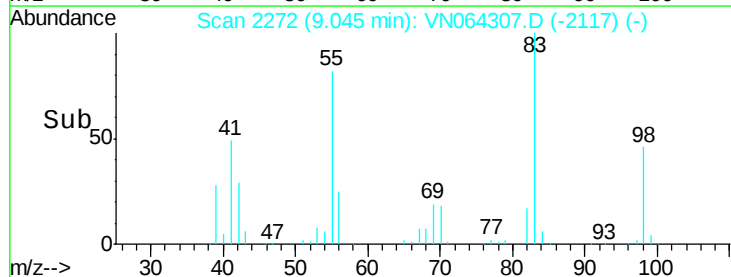
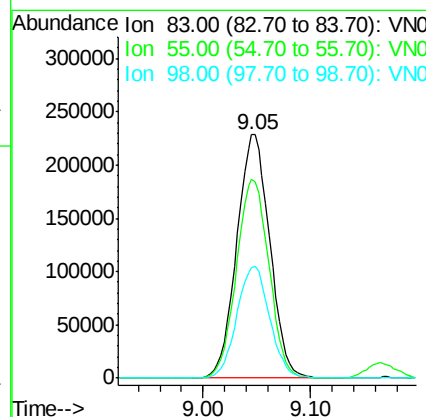
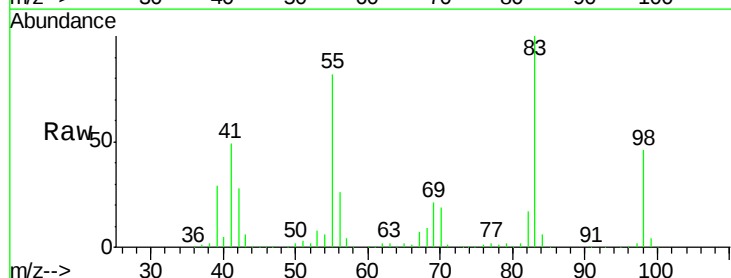
Manual Integrations
 APPROVED

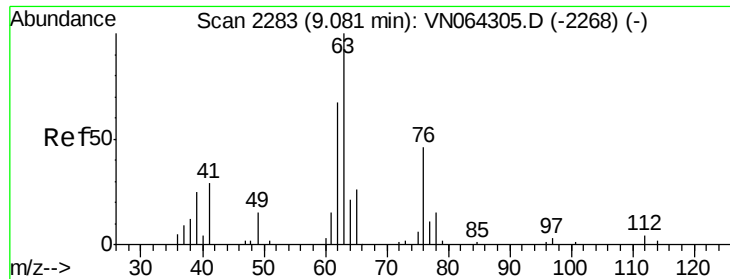
MMDadoda
 10/27/2020 2:21:04 PM



#38
 Methylcyclohexane
 Concen: 109.534 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion: 83 Resp: 486063
 Ion Ratio Lower Upper
 83 100
 55 80.2 40.3 120.8
 98 45.6 22.8 68.3





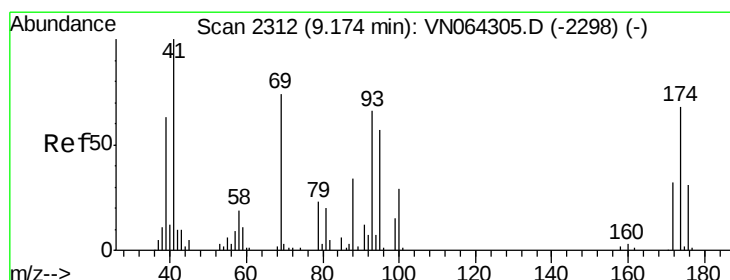
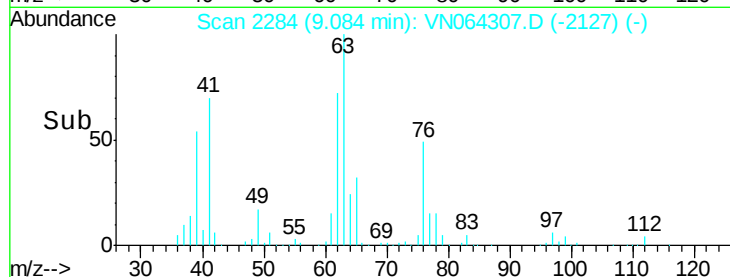
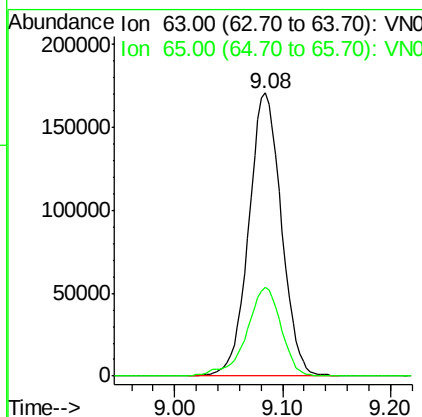
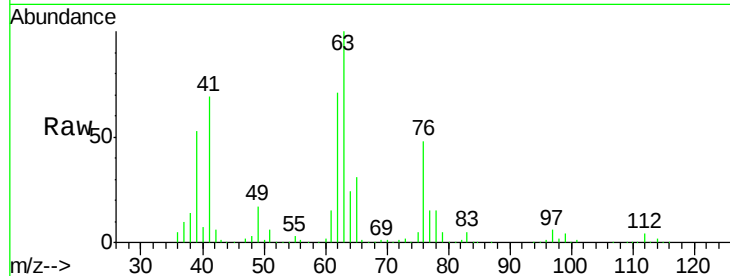
#39
 1,2-Dichloropropane
 Concen: 100.824 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 358985
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.6 33.8

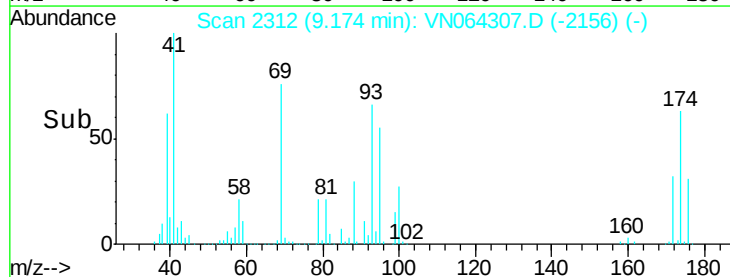
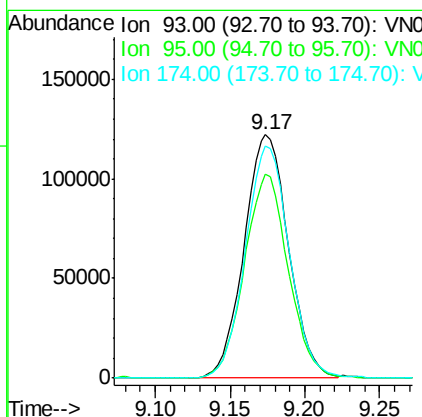
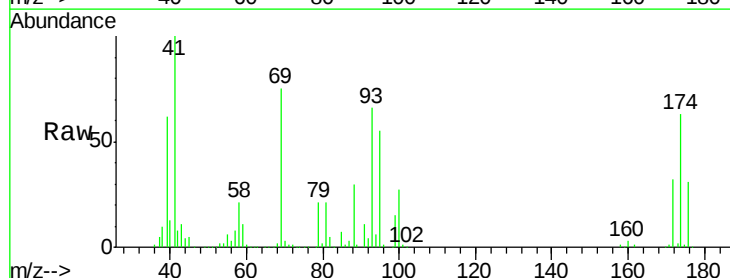
Manual Integrations
 APPROVED

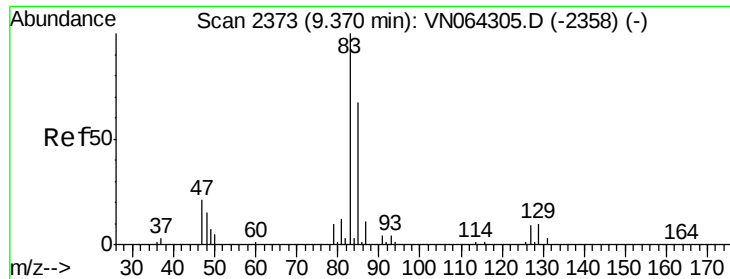
MMDadoda
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#40
 Dibromomethane
 Concen: 102.284 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion: 93 Resp: 251991
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 174.4
 174 94.6 0.0 188.0





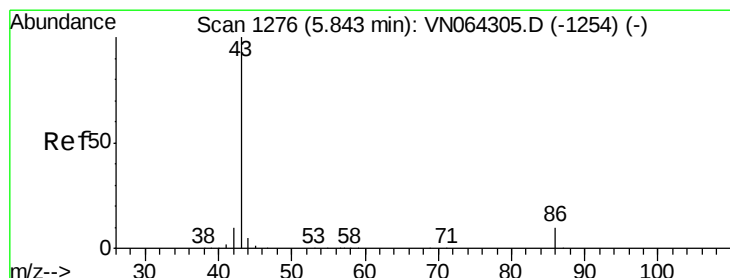
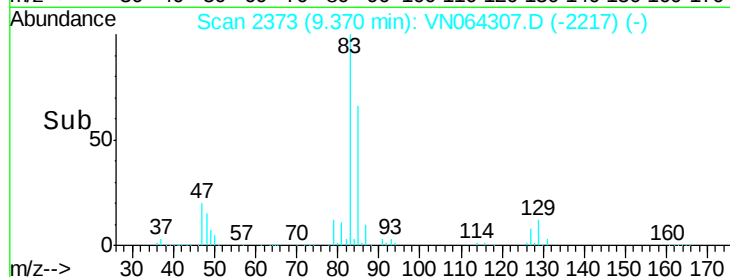
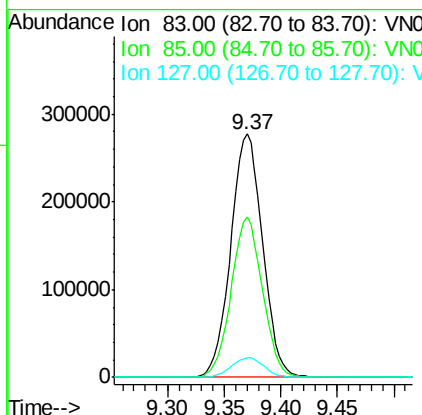
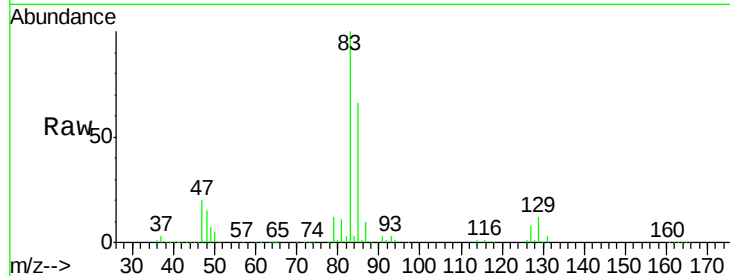
#41
Bromodichloromethane
Concen: 102.040 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	544295
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	53.4	80.0
127	8.0	7.0	10.4

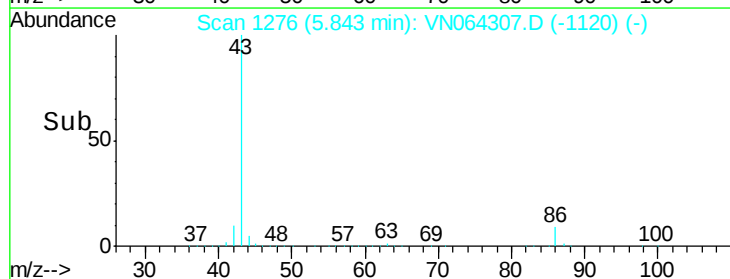
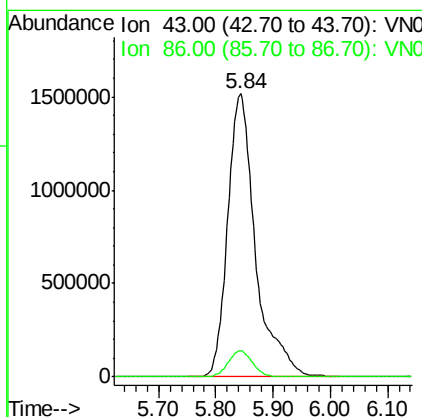
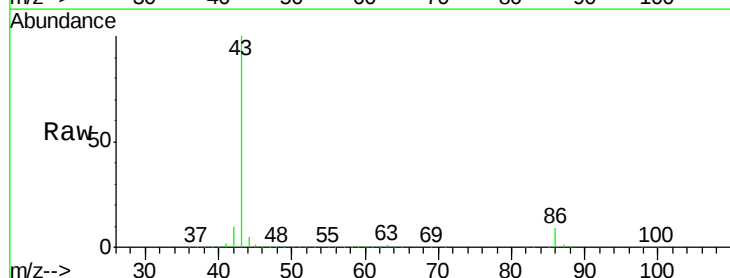
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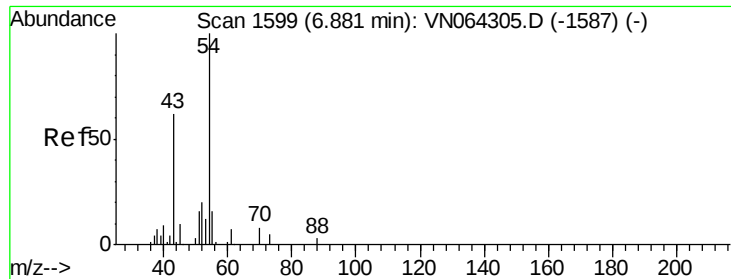
MMDadoda
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#42
Vinyl Acetate
Concen: 540.222 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion	43	Resp	5127398
Ion Ratio	100	Lower	Upper
43	100		
86	8.1	6.6	9.8





#43

Ethyl Acetate

Concen: 112.882 ug/l m

RT: 6.88 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 515785

Ion Ratio Lower Upper

43 100

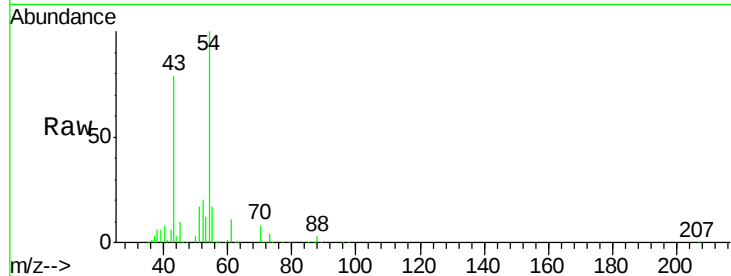
45 1.9 4.0 6.0#

Manual Integrations

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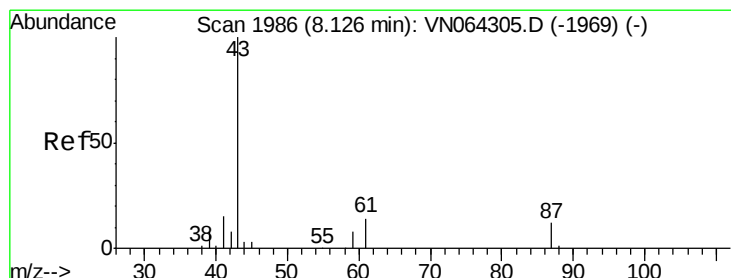
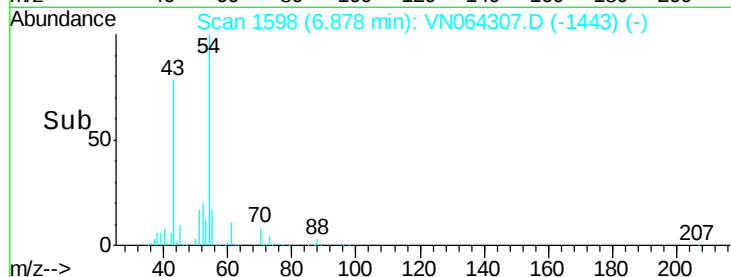
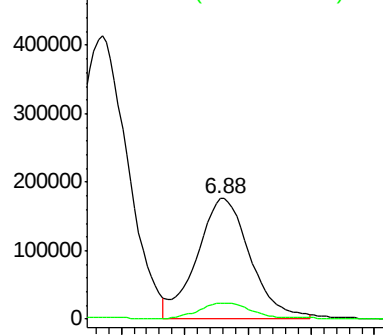
MMDadoda

10/27/2020 2:21:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 107.347 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064307.D

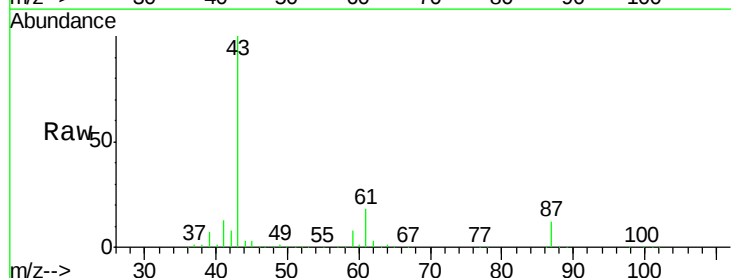
Acq: 26 Oct 2020 17:05

Tgt Ion: 43 Resp: 876497

Ion Ratio Lower Upper

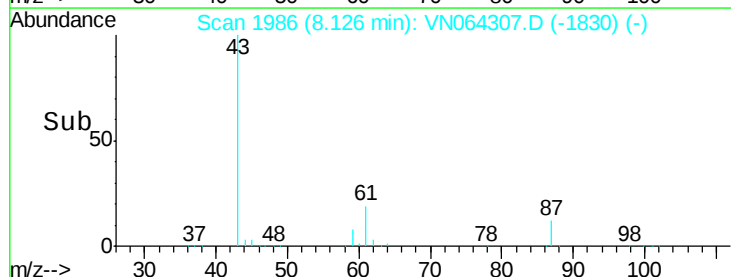
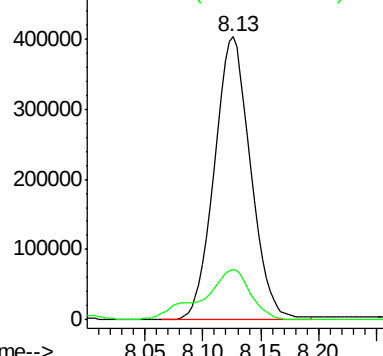
43 100

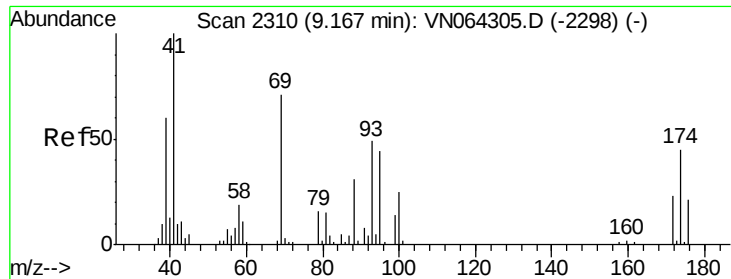
61 23.8 14.3 21.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





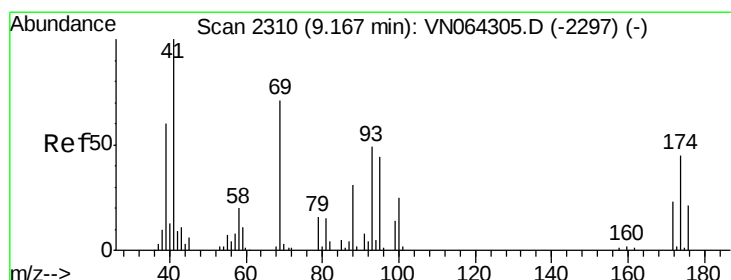
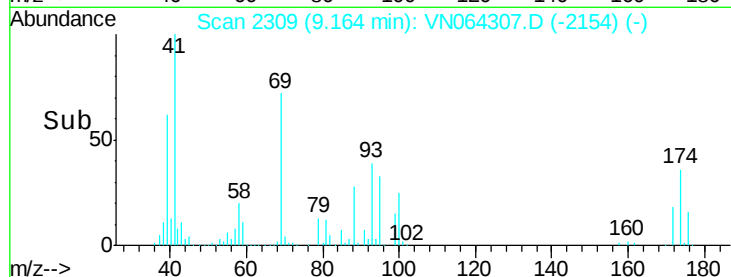
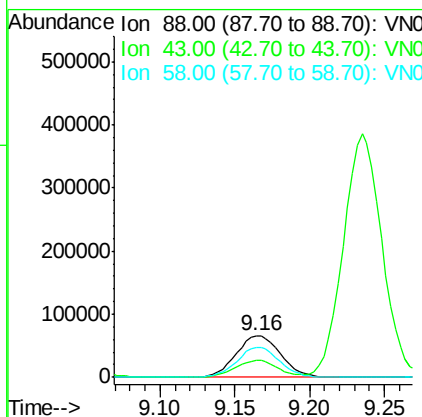
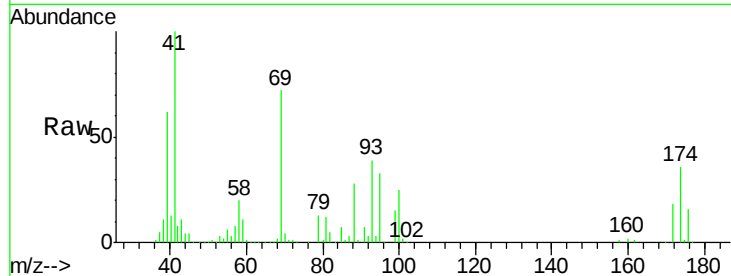
#45
 1,4-Dioxane
 Concen: 2605.842 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	37.8		31.2	46.8
58	69.6		55.4	83.2

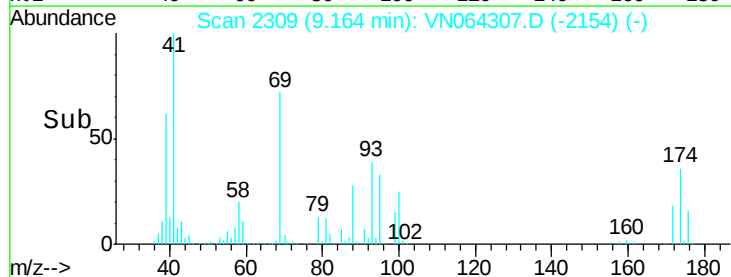
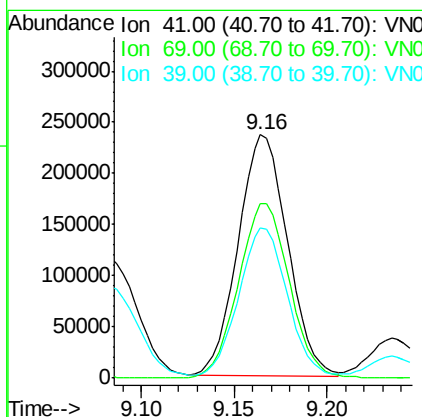
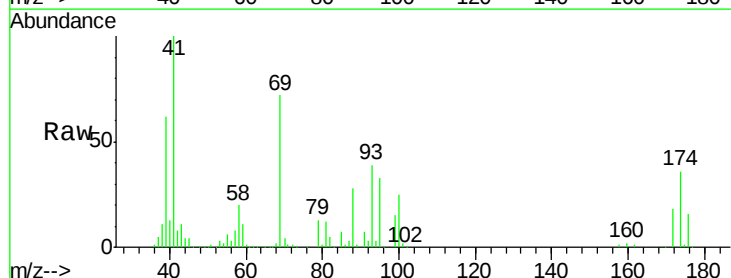
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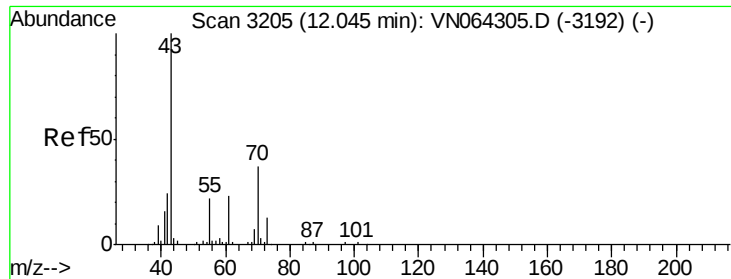
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 10/27/2020 2:21:04 PM



#46
 Methyl methacrylate
 Concen: 109.760 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	72.2		35.3	105.9
39	61.2		30.2	90.6





#47

n-amvl Acetate

Concen: 111.140 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 785931

Ion Ratio Lower Upper

43 100

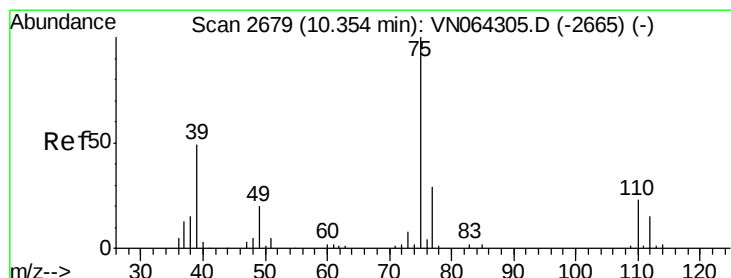
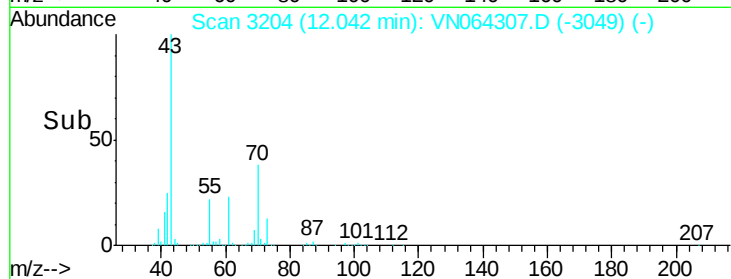
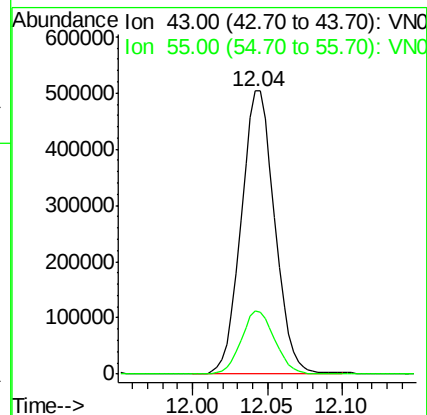
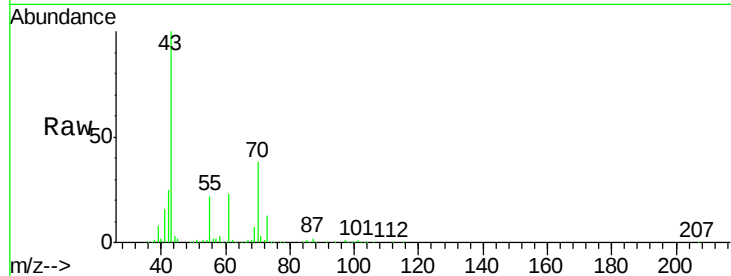
55 22.2 17.3 25.9

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 103.879 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064307.D

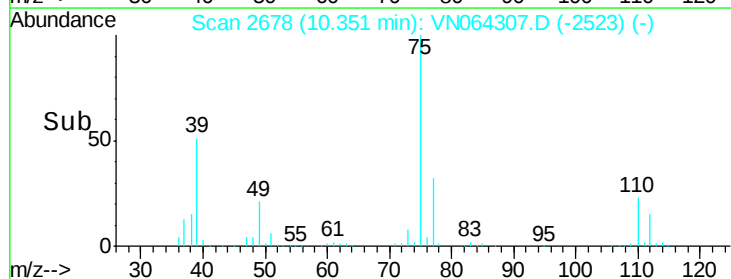
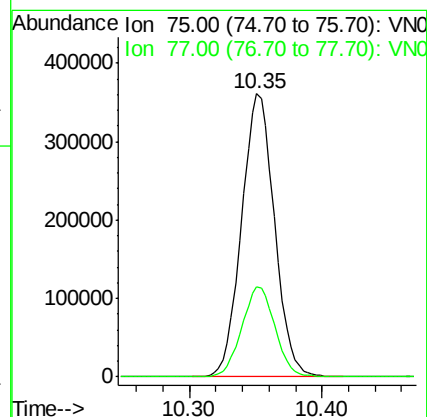
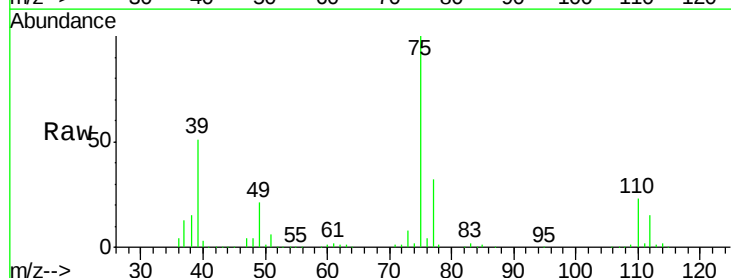
Acq: 26 Oct 2020 17:05

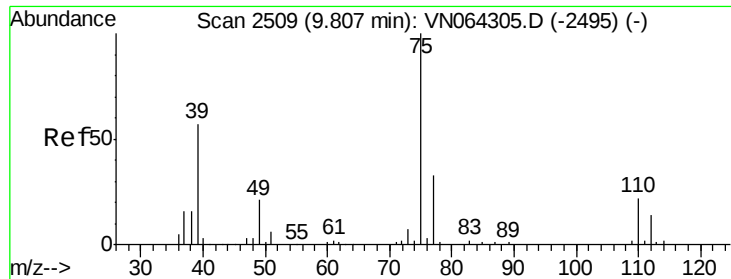
Tgt Ion: 75 Resp: 622686

Ion Ratio Lower Upper

75 100

77 31.9 23.7 35.5





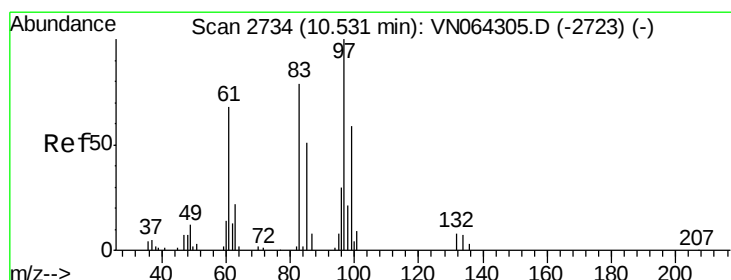
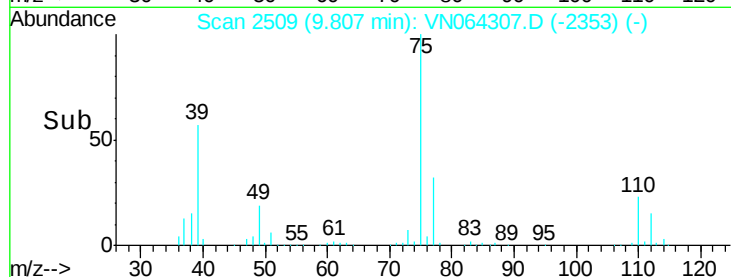
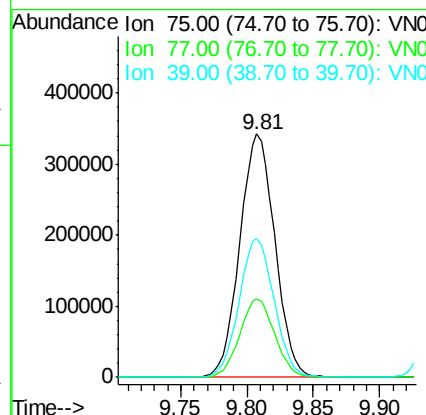
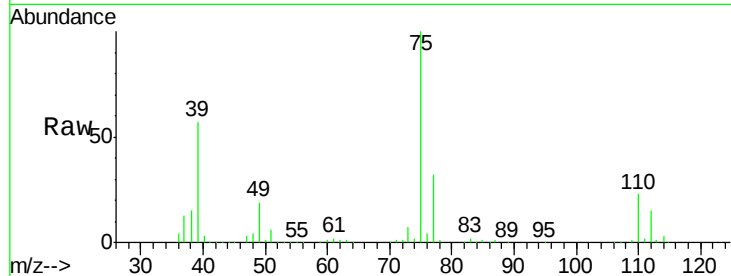
#49
 cis-1,3-Dichloropropene
 Concen: 101.806 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.7	40.1
39	56.8	45.9	68.9

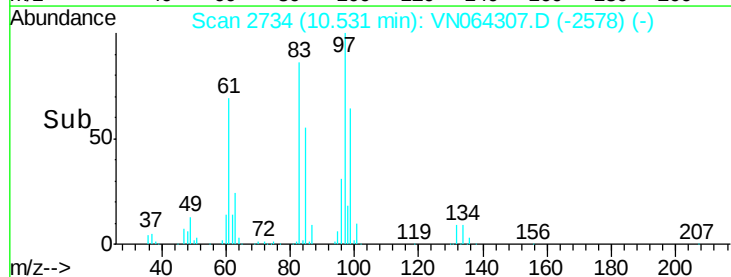
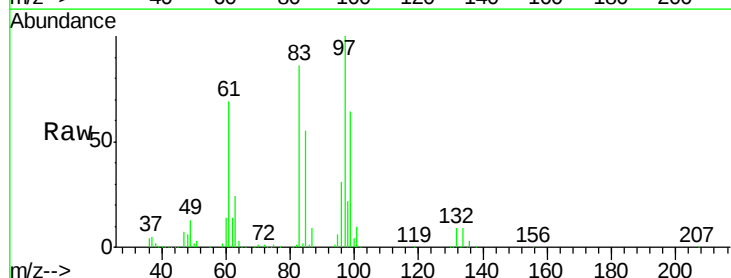
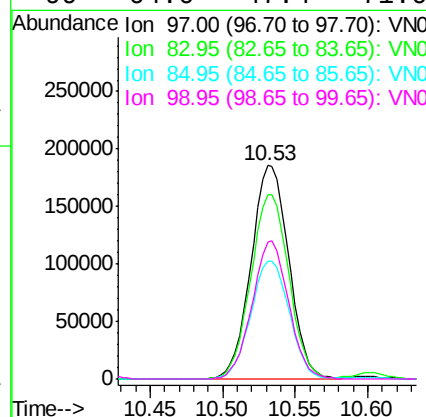
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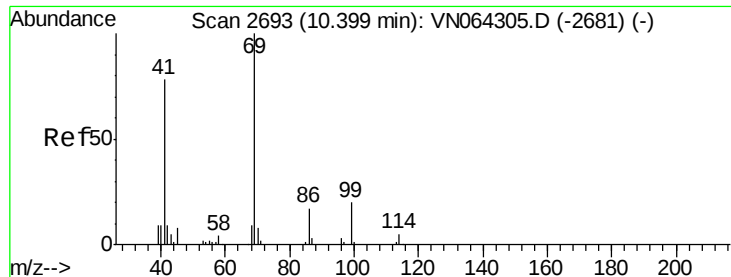
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#50
 1,1,2-Trichloroethane
 Concen: 102.676 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	63.2	94.8
85	55.4	41.0	61.6
99	64.0	47.4	71.0





#51

Ethyl methacrylate

Concen: 107.284 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 69 Resp: 543818

Ion Ratio Lower Upper

69 100

41 76.2 38.8 116.4

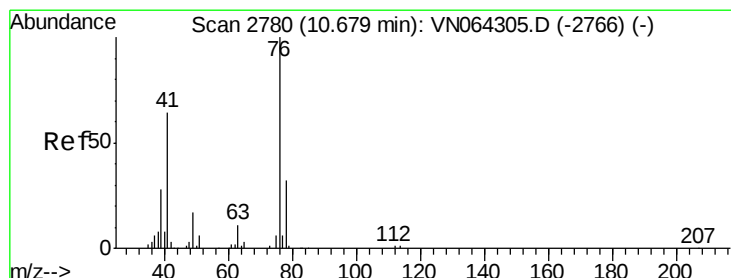
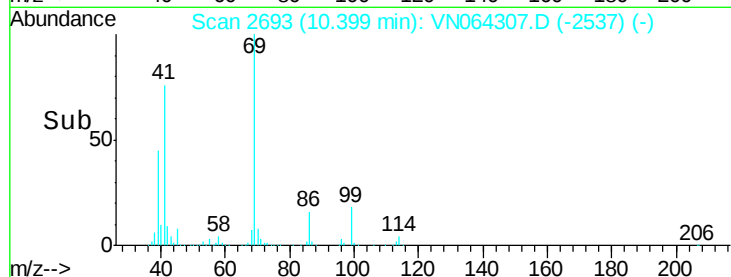
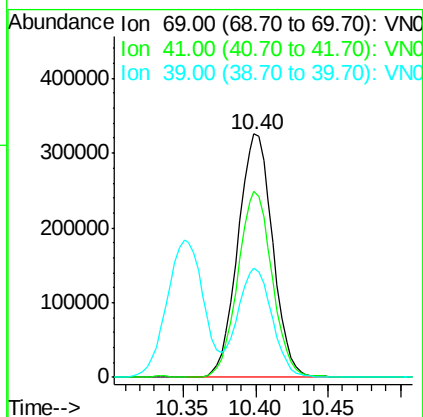
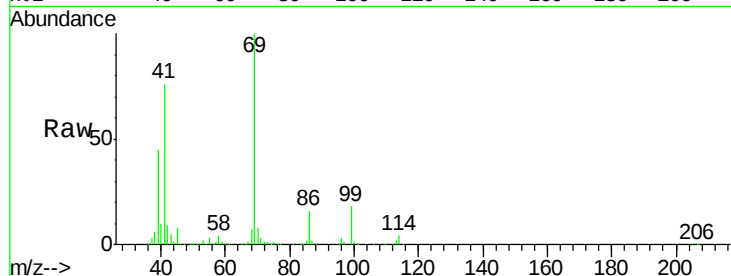
39 44.6 24.6 74.0

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#52

1,3-Dichloropropane

Concen: 103.231 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064307.D

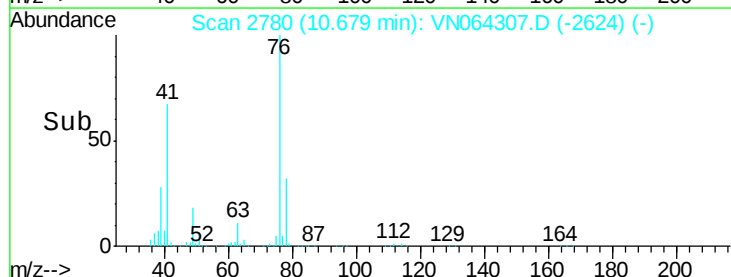
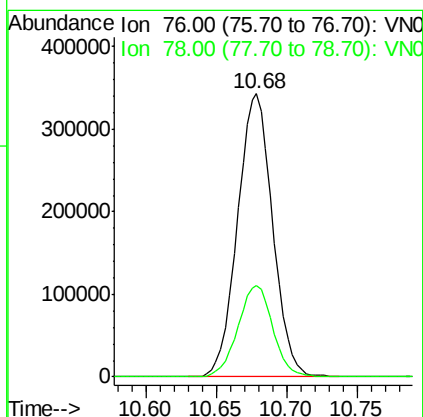
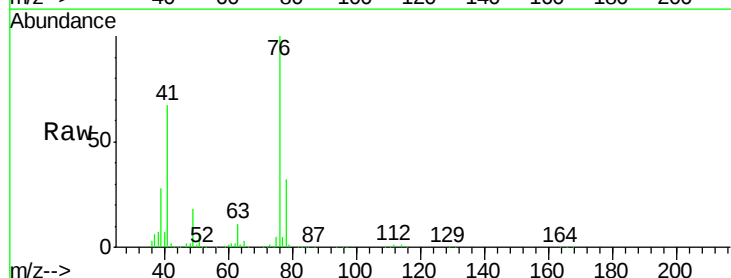
Acq: 26 Oct 2020 17:05

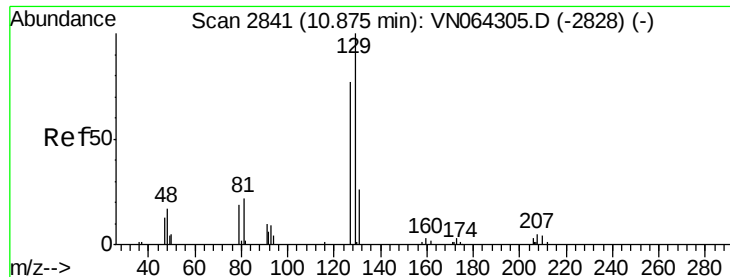
Tgt Ion: 76 Resp: 597327

Ion Ratio Lower Upper

76 100

78 32.2 0.0 61.6





#53

Dibromochloromethane

Concen: 104.198 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:129 Resp: 425234

Ion Ratio Lower Upper

129 100

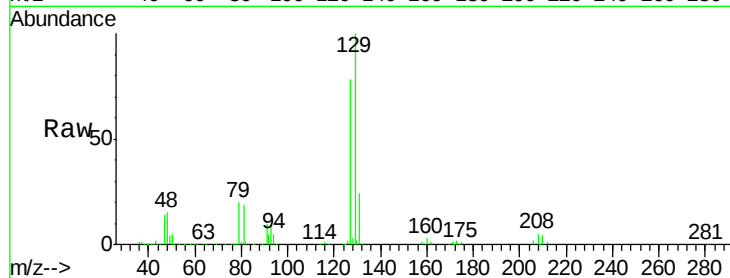
127 78.2 38.9 116.7

Manual Integrations

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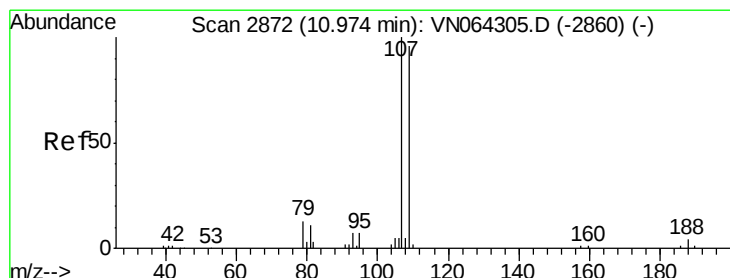
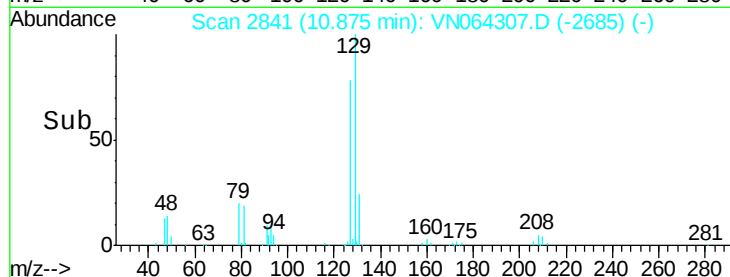
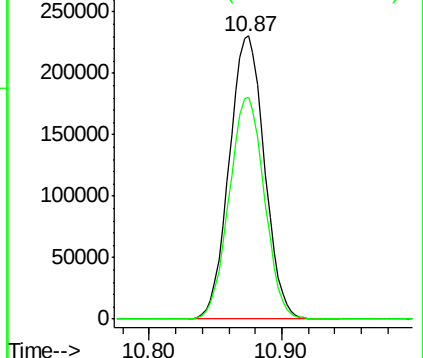
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 104.590 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064307.D

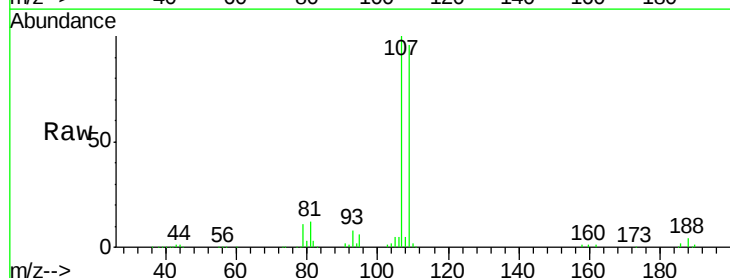
Acq: 26 Oct 2020 17:05

Tgt Ion:107 Resp: 368284

Ion Ratio Lower Upper

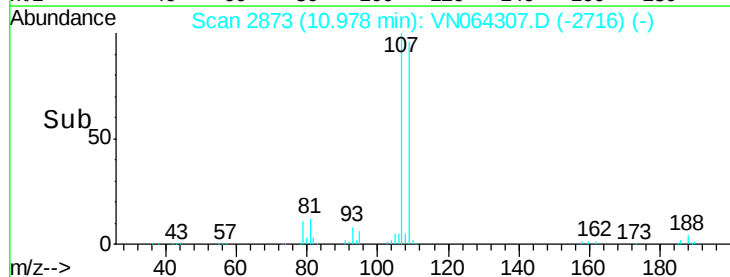
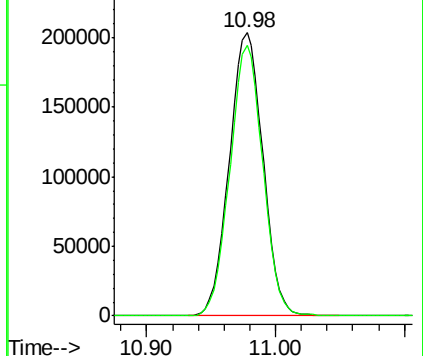
107 100

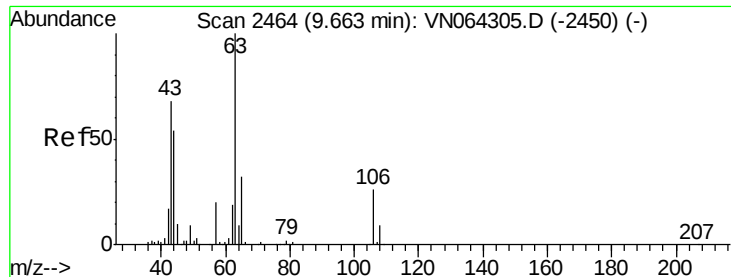
109 93.7 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 528.748 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1395321

Ion Ratio Lower Upper

63 100

65 31.7 25.6 38.4

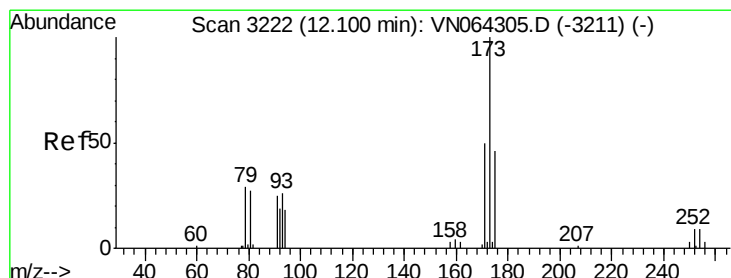
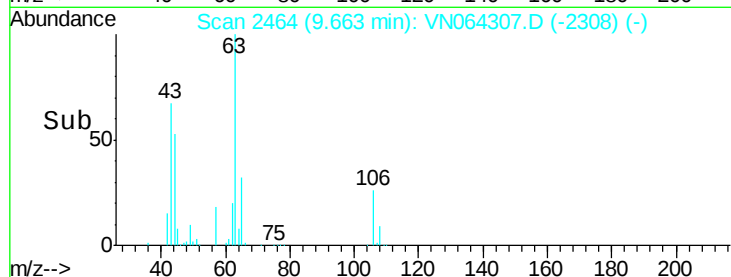
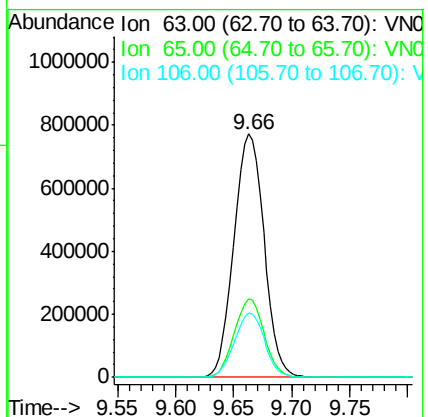
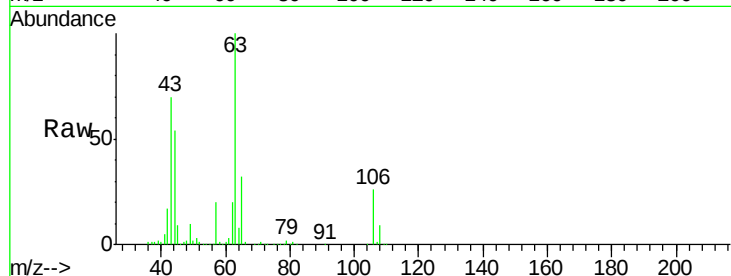
106 26.4 20.7 31.1

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#56

Bromoform

Concen: 107.723 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

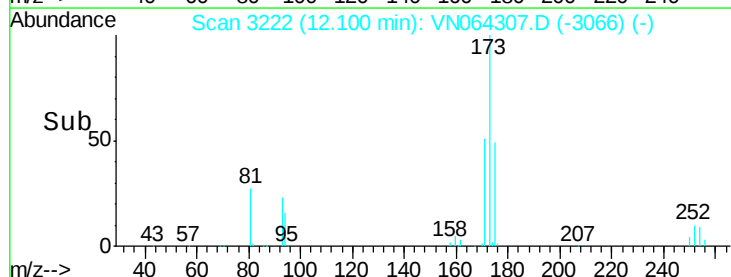
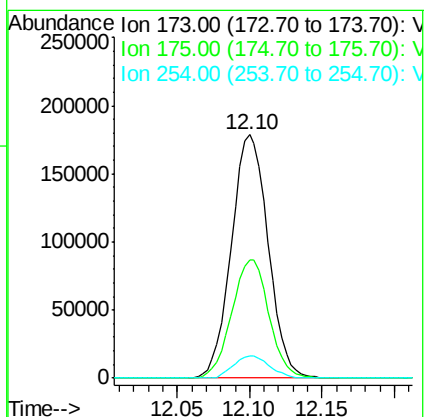
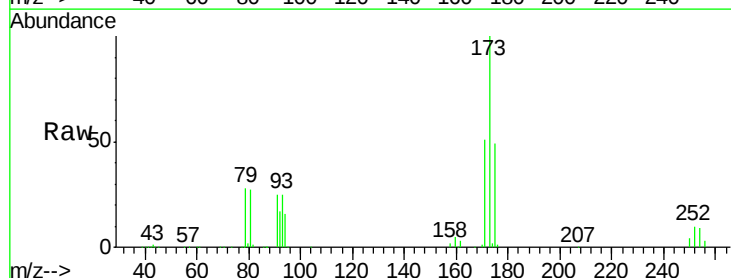
Tgt Ion: 173 Resp: 314032

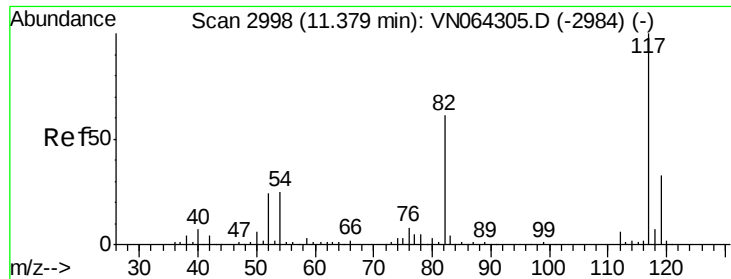
Ion Ratio Lower Upper

173 100

175 49.2 37.3 55.9

254 8.9 4.8 7.2#





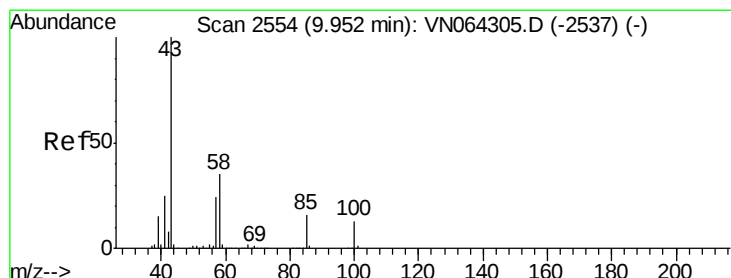
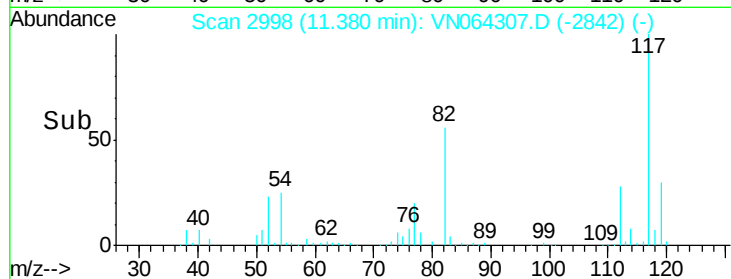
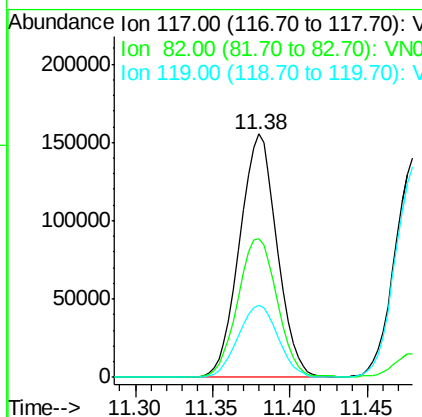
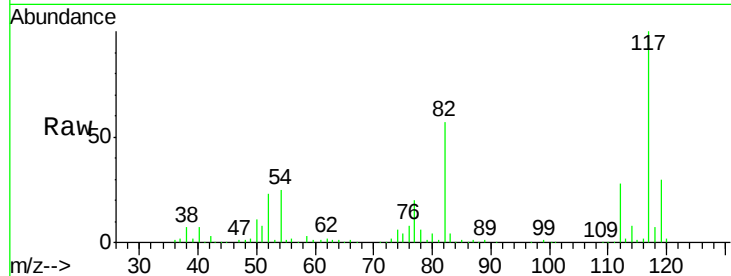
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	48.7	73.1
119	31.5	25.1	37.7

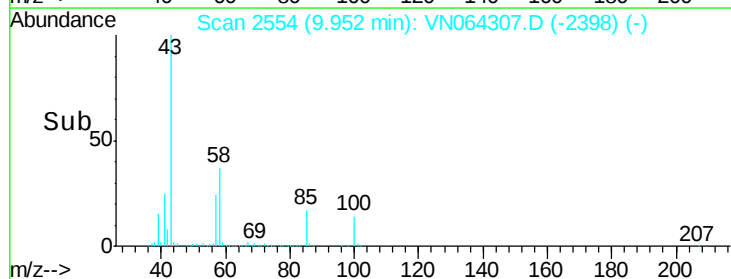
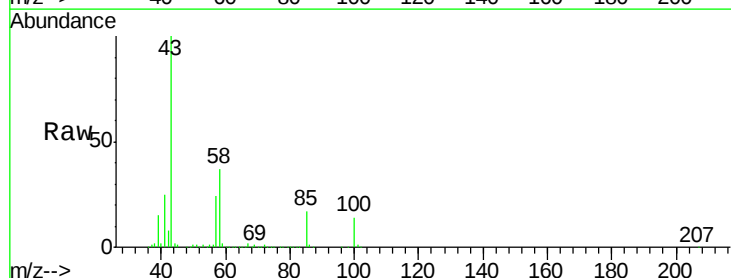
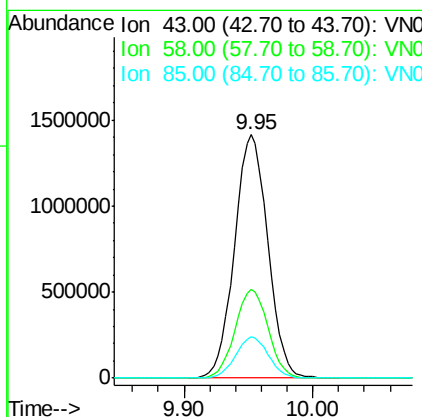
Manual Integrations
APPROVED

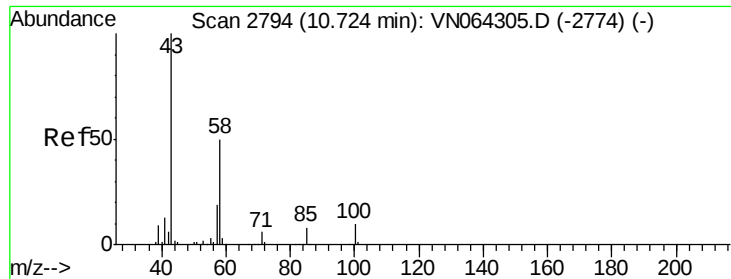
MMDadoda
10/27/2020 2:21:04 PM



#58
4-Methyl-2-Pentanone
Concen: 560.416 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.7	43.1
85	16.7	13.4	20.2





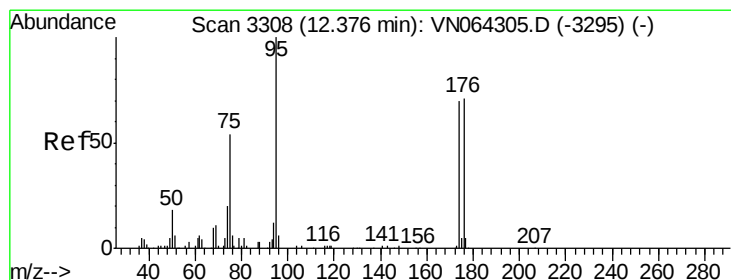
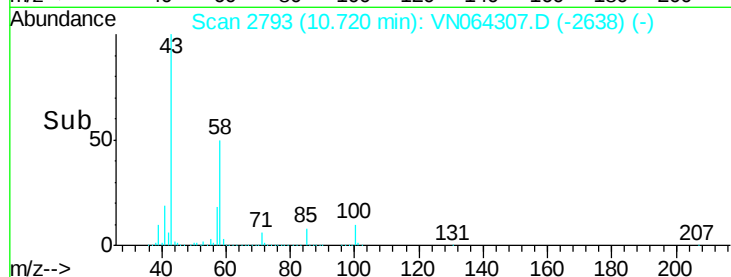
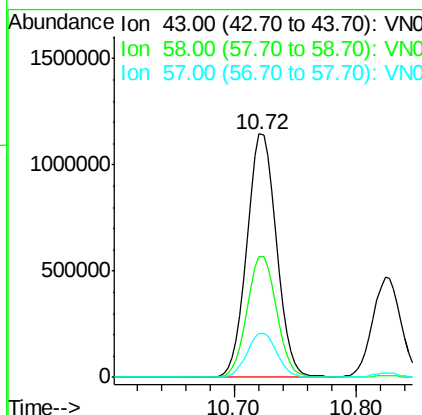
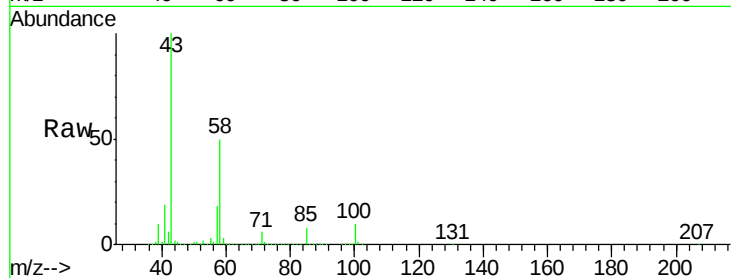
#59
2-Hexanone
Concen: 558.161 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.0	39.4	59.2
57	18.4	14.8	22.2

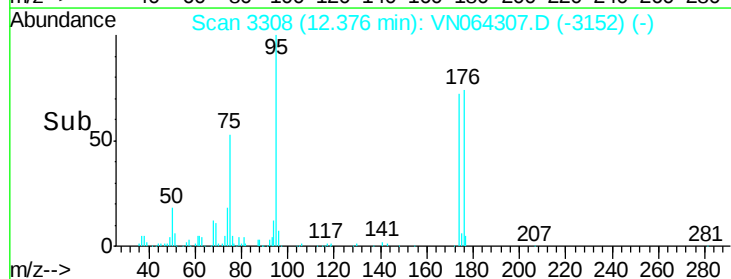
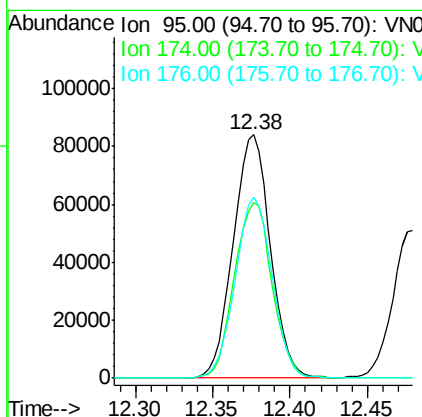
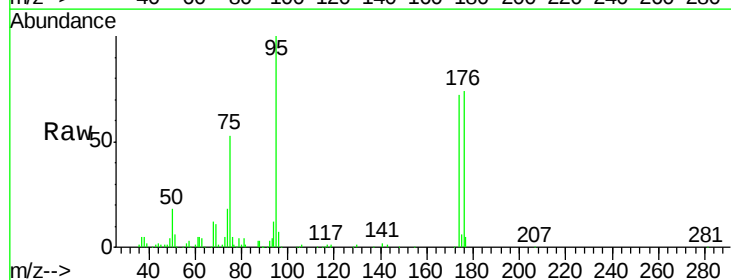
Manual Integrations
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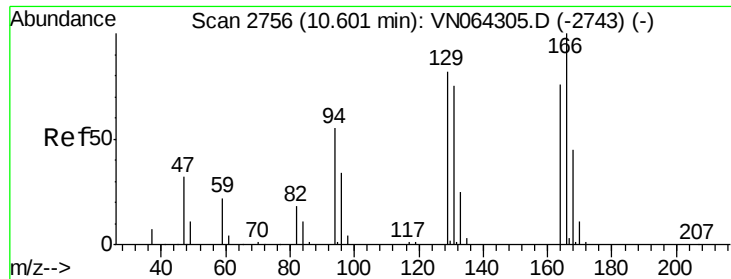
MMDadoda
10/27/2020 2:21:04 PM



#60
4-Bromofluorobenzene
Concen: 30.087 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.1	57.6	86.4
176	73.8	55.5	83.3





#61

Tetrachloroethene

Concen: 99.248 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 353159

Ion Ratio Lower Upper

164 100

166 132.2 105.4 158.0

129 105.5 86.4 129.6

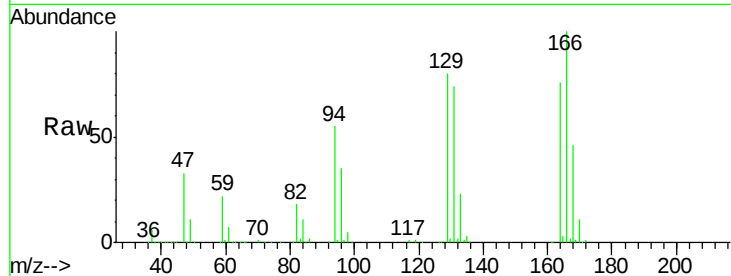
131 98.3 78.5 117.7

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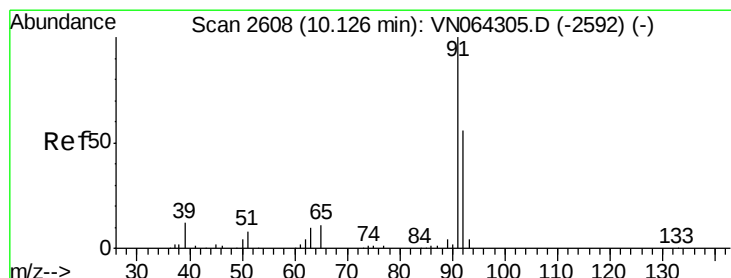
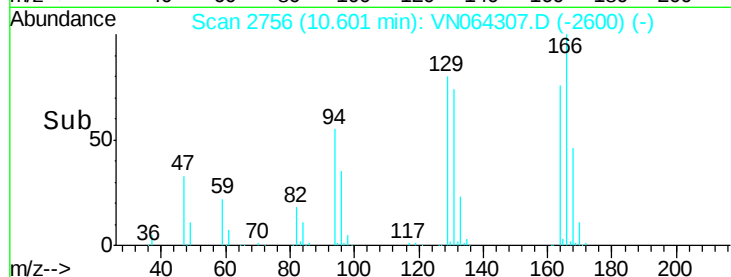
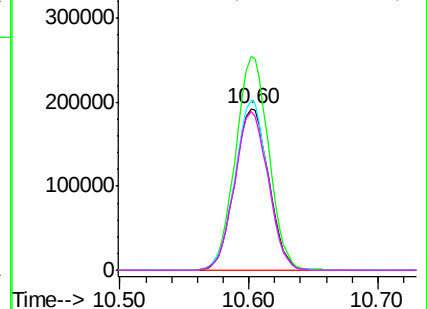


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 101.585 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064307.D

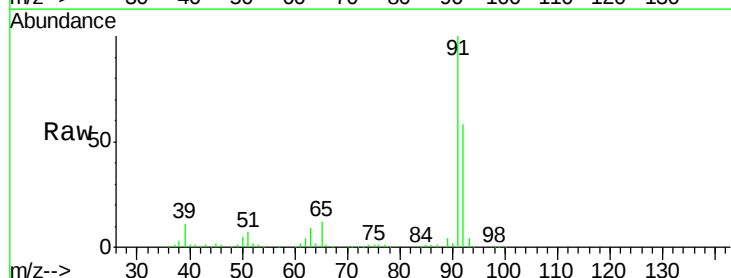
Acq: 26 Oct 2020 17:05

Tgt Ion: 91 Resp: 1491535

Ion Ratio Lower Upper

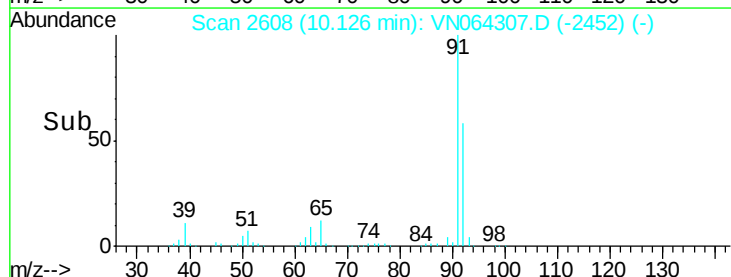
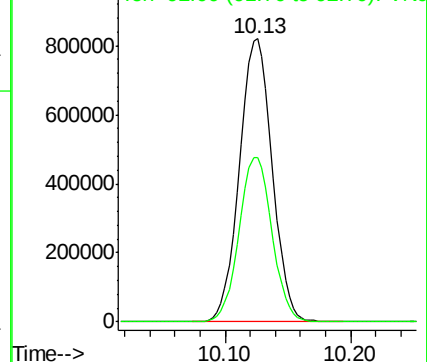
91 100

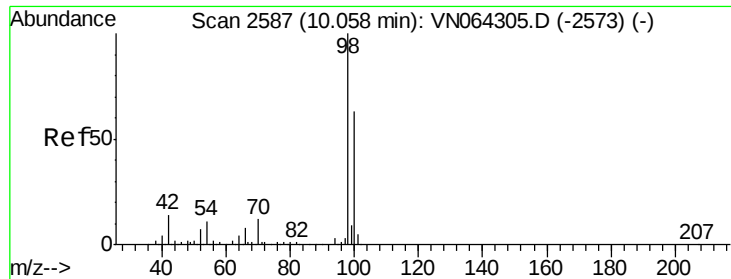
92 58.2 45.8 68.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.989 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 98 Resp: 351360

Ion Ratio Lower Upper

98 100

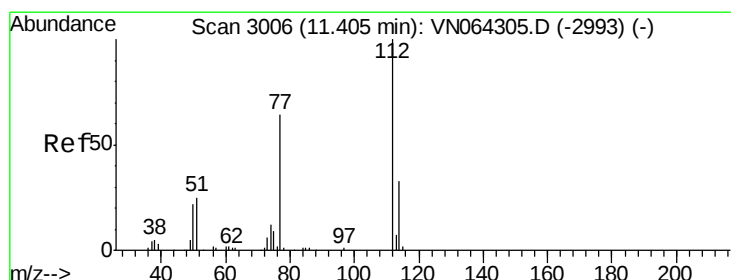
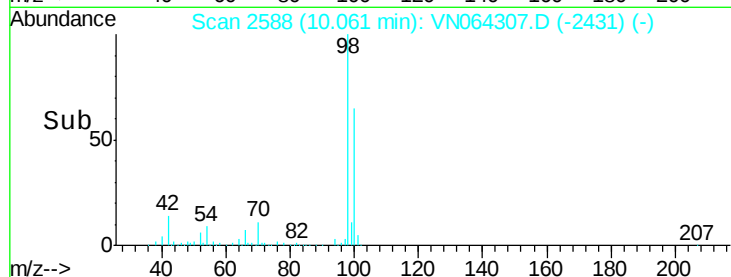
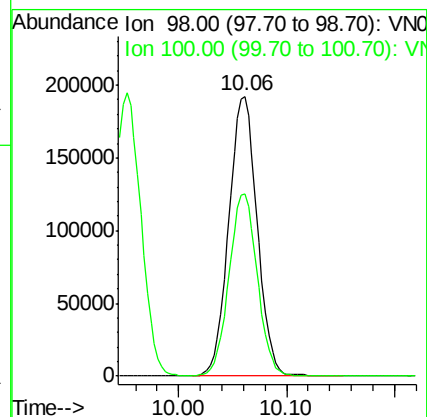
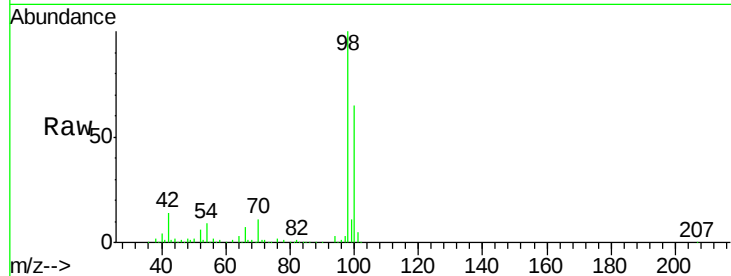
100 64.7 50.6 75.8

Manual Integrations

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#64

Chlorobenzene

Concen: 103.201 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064307.D

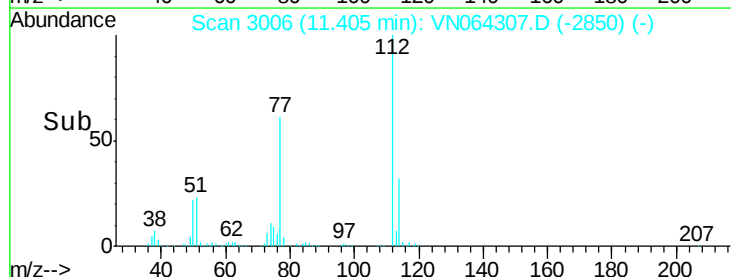
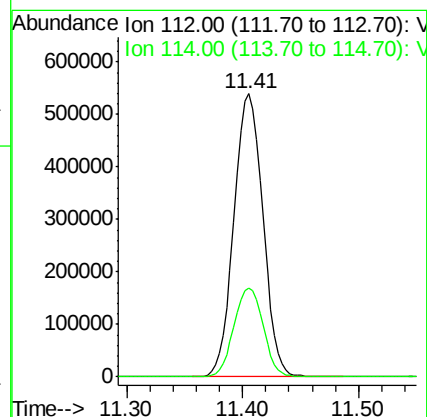
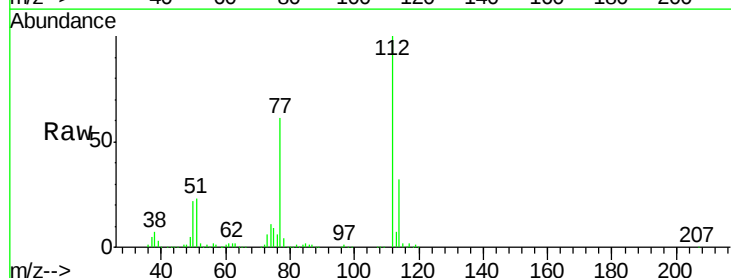
Acq: 26 Oct 2020 17:05

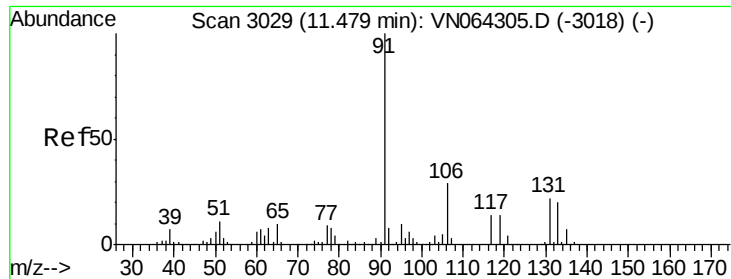
Tgt Ion: 112 Resp: 935455

Ion Ratio Lower Upper

112 100

114 31.5 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 102.014 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

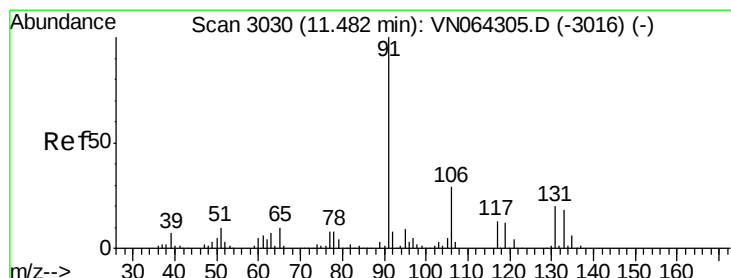
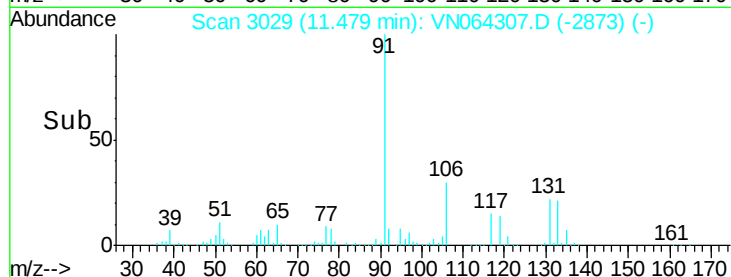
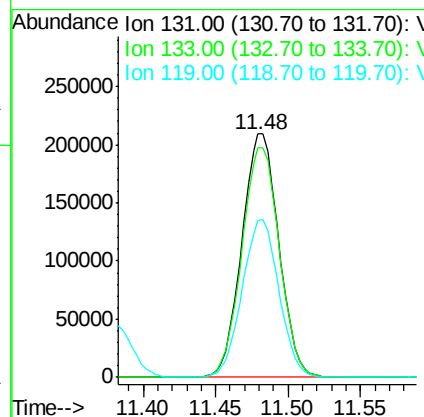
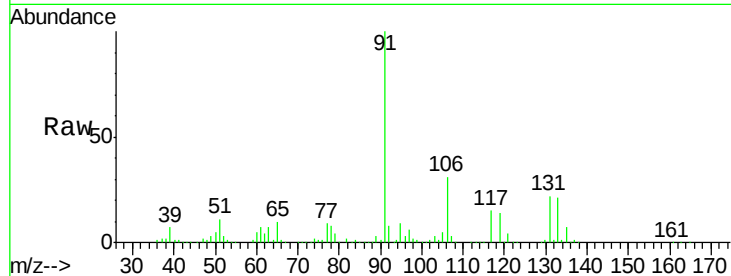
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
131	100	371192		
133	95.9	0.0	183.0	
119	64.4	0.0	121.6	

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#66

Ethyl Benzene

Concen: 101.629 ug/l

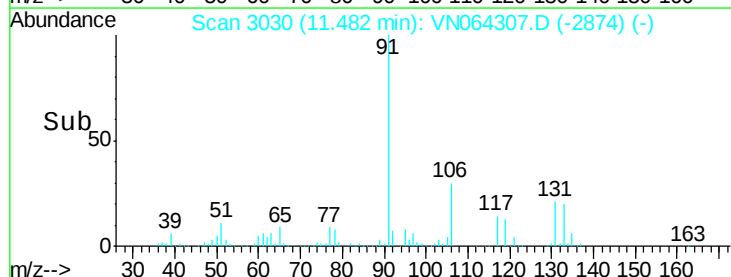
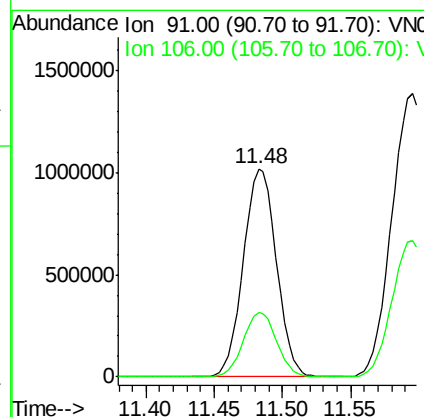
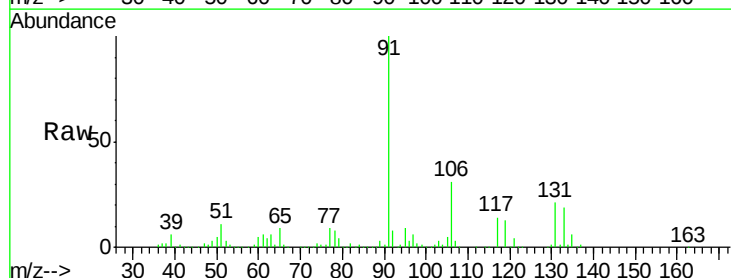
RT: 11.48 min Scan# 3030

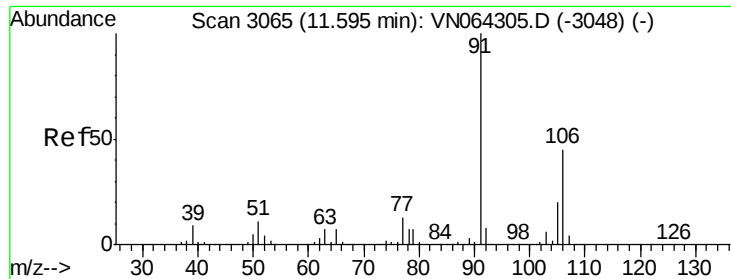
Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1717788		
106	30.9	22.8	34.2	





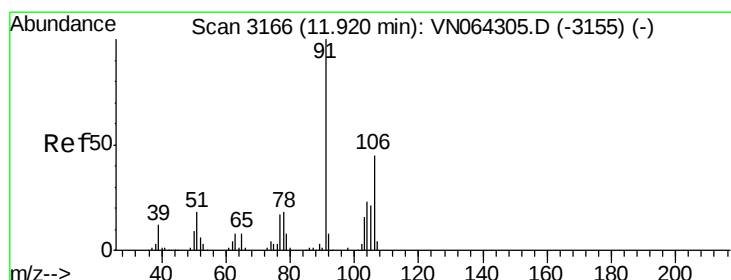
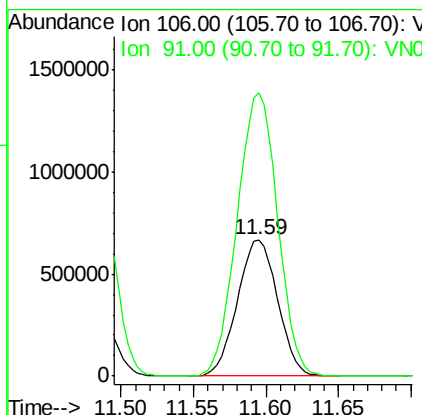
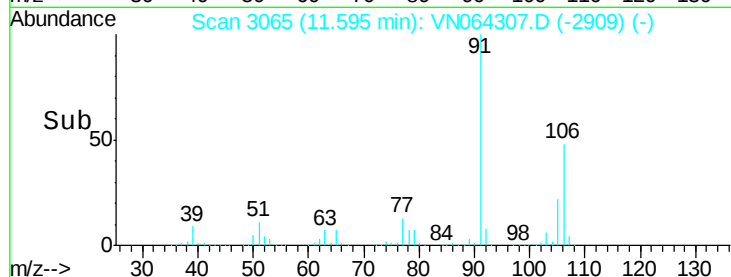
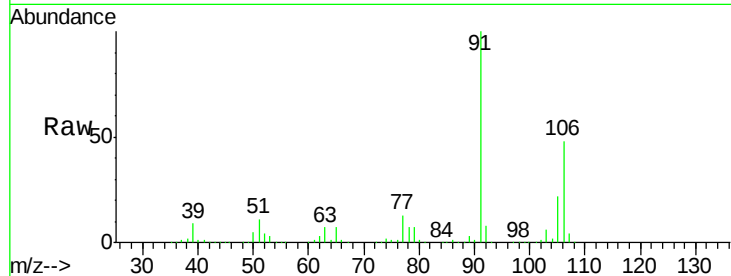
#67
m/p-Xylenes
Concen: 206.706 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1285453
Ion Ratio Lower Upper
106 100
91 209.2 176.2 264.2

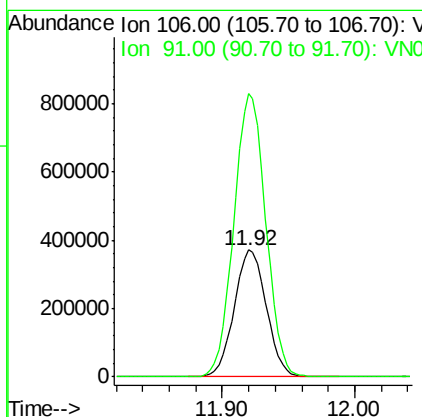
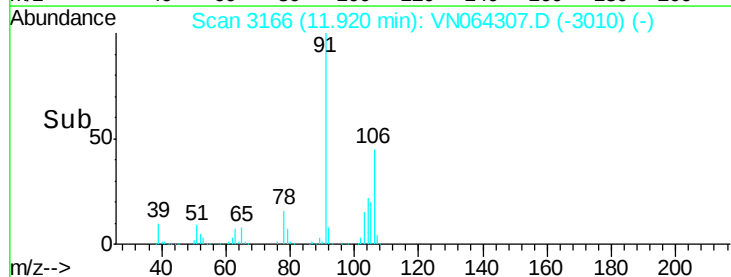
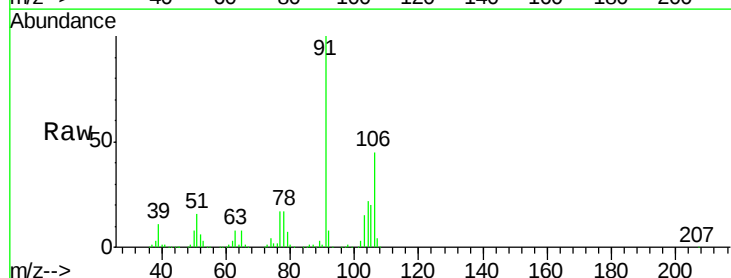
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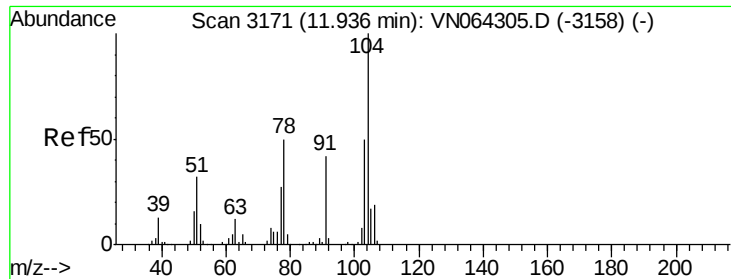
MMDadoda
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#68
o-Xylene
Concen: 103.283 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion:106 Resp: 624195
Ion Ratio Lower Upper
106 100
91 221.8 112.9 338.6





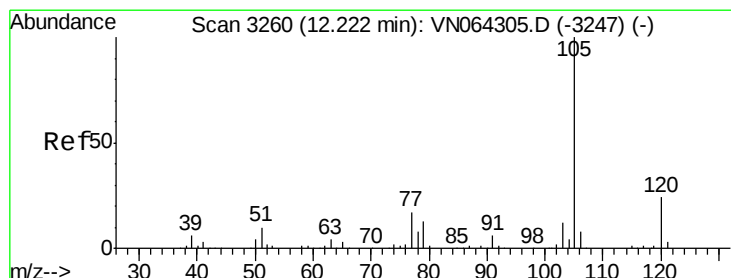
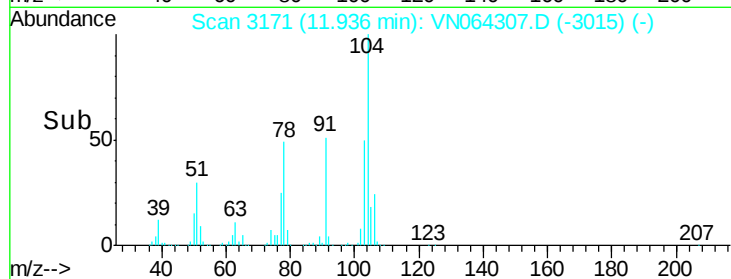
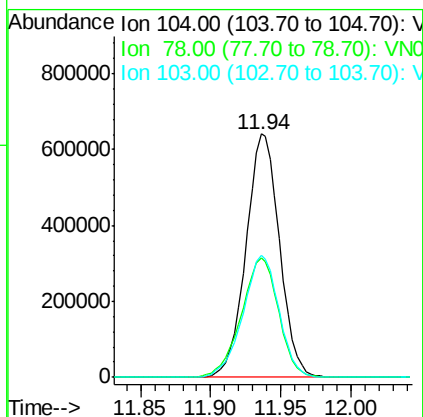
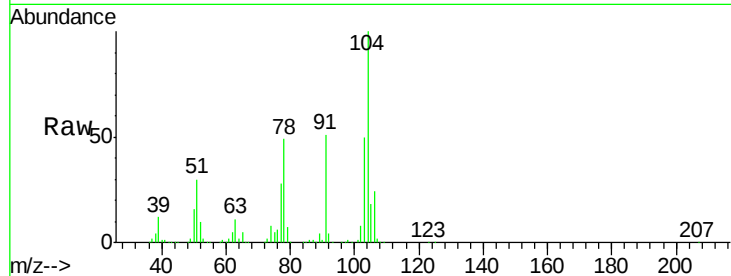
#69
Stvrene
Concen: 105.906 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.4	46.3	69.5
103	53.7	44.2	66.2

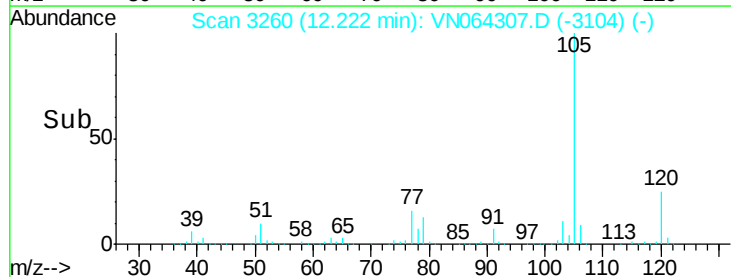
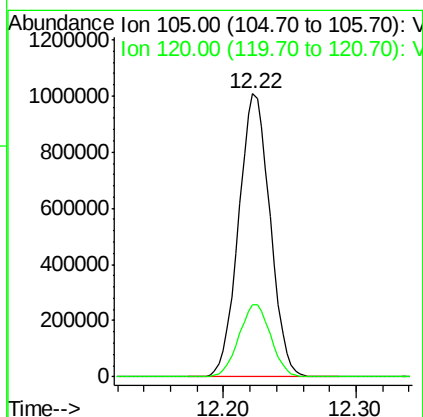
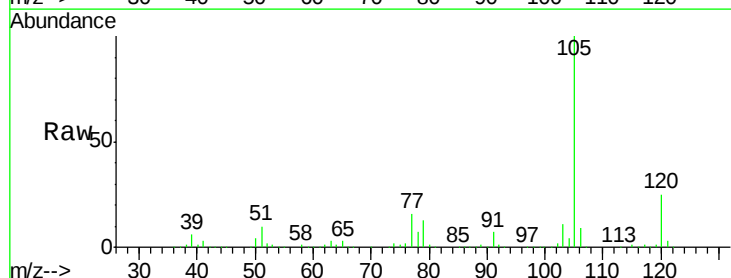
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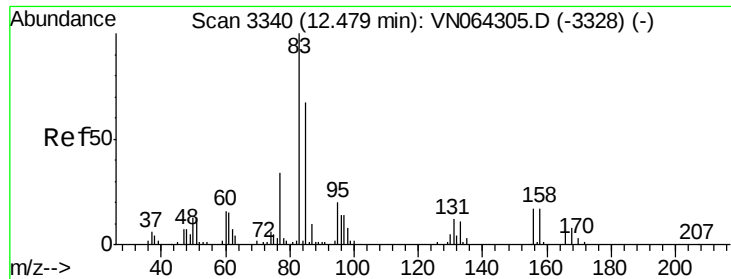
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#70
Isopropylbenzene
Concen: 103.269 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	17.4	32.2





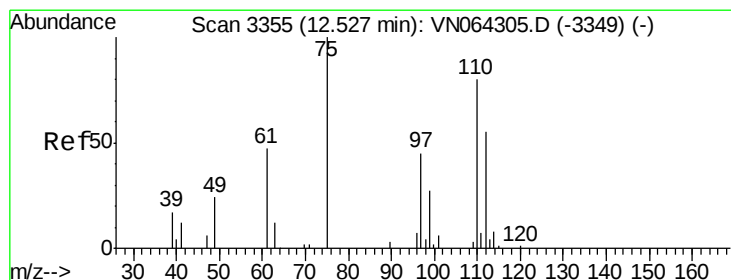
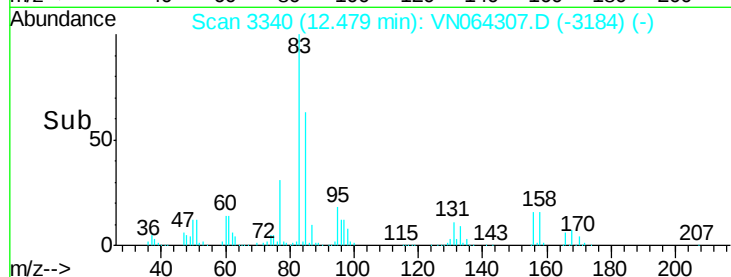
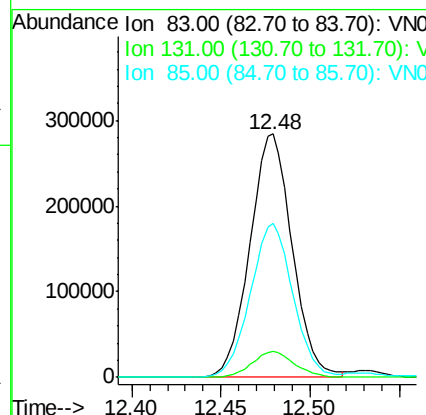
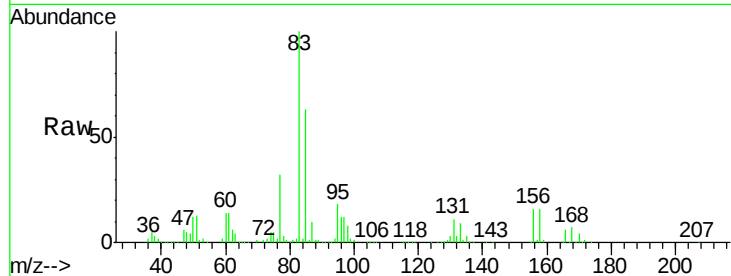
#71
 1,1,2,2-Tetrachloroethane
 Concen: 107.222 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.9	6.0	18.0
85	63.6	32.0	96.0

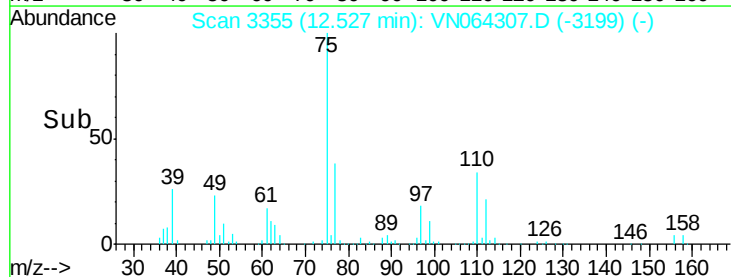
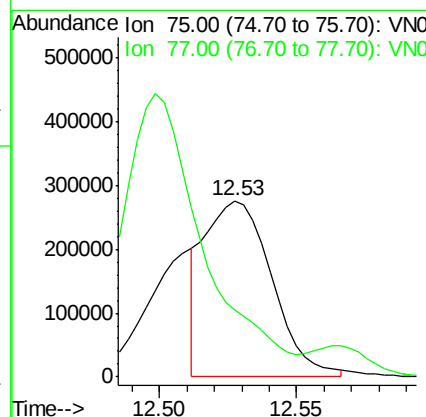
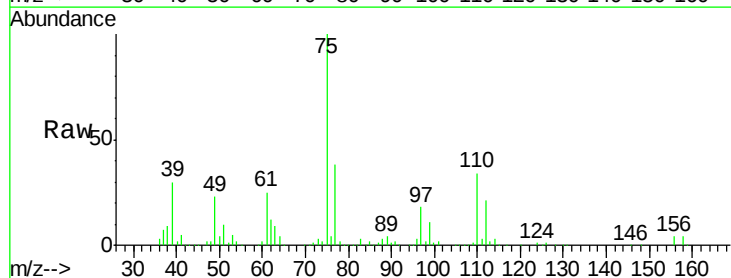
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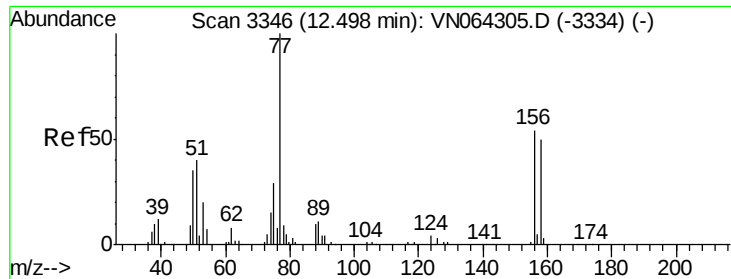
MMDadoda
 10/27/2020 2:21:04 PM



#72
 1,2,3-Trichloropropane
 Concen: 102.435 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	191.2	0.0	340.8





#73

Bromobenzene

Concen: 104.816 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

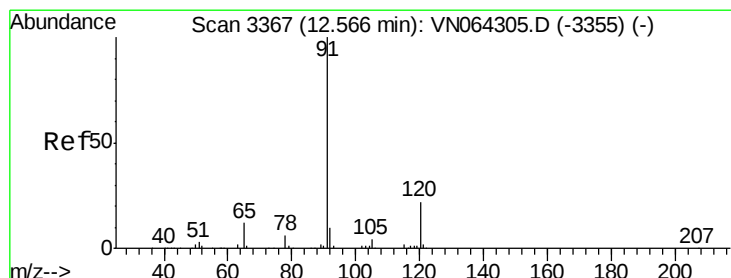
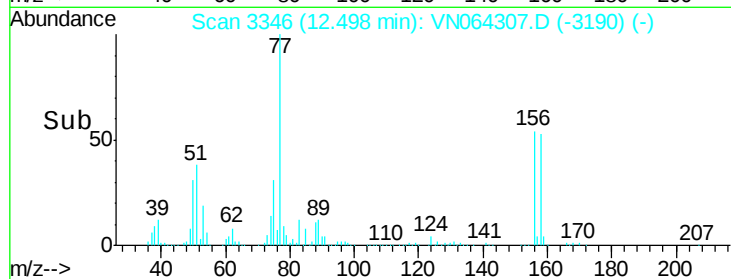
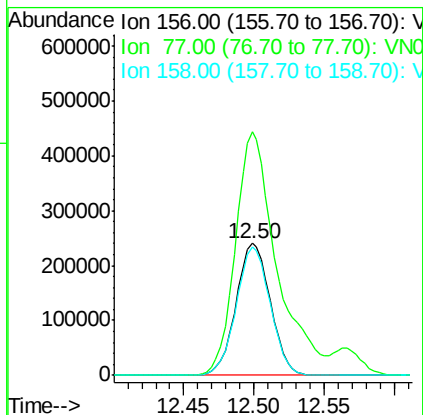
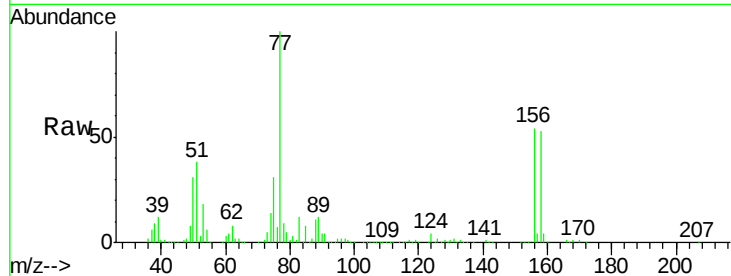
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		409678		
77	221.0	0.0	449.2		
158	96.3	0.0	191.0		

Manual Integrations
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#74

n-propylbenzene

Concen: 103.875 ug/l

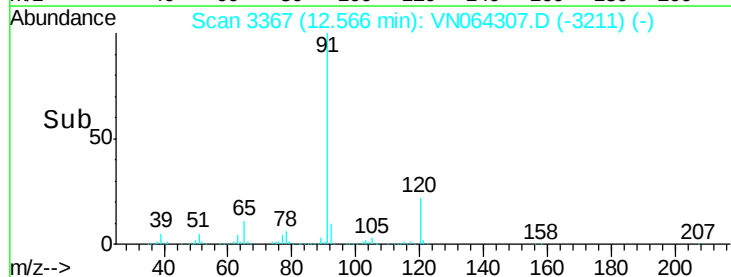
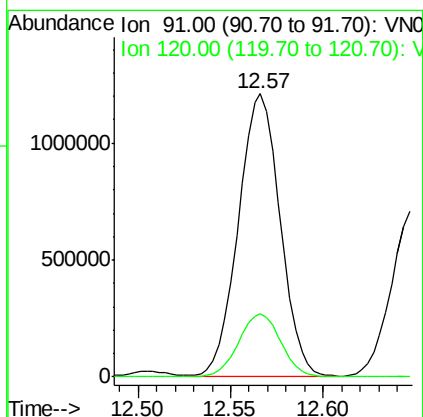
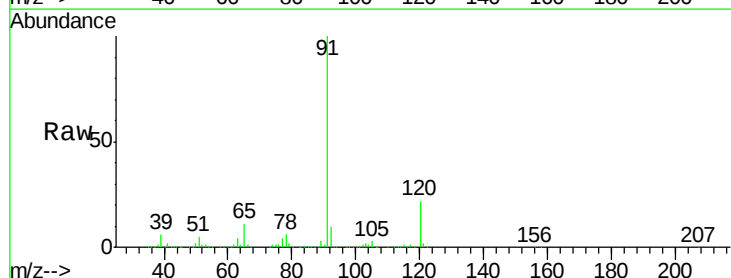
RT: 12.57 min Scan# 3367

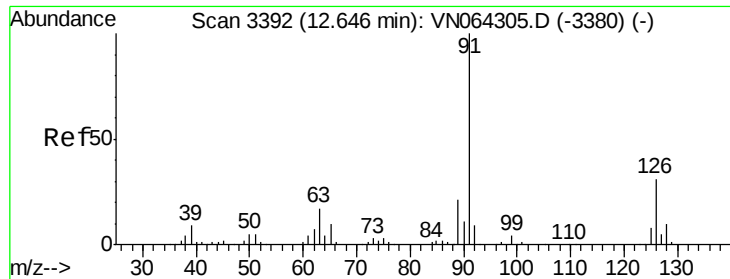
Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1902889		
120	22.5	0.0	44.2		





#75

2-Chlorotoluene

Concen: 102.588 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1171436

Ion Ratio Lower Upper

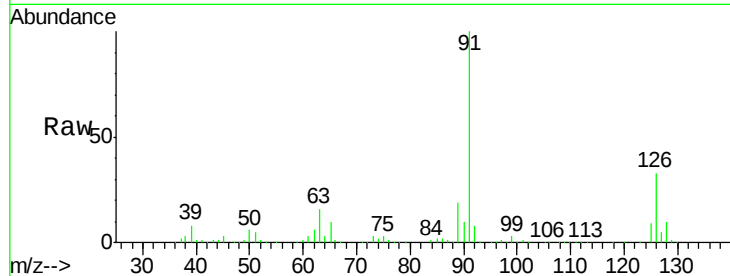
91 100

126 32.9 0.0 62.0

Manual Integrations
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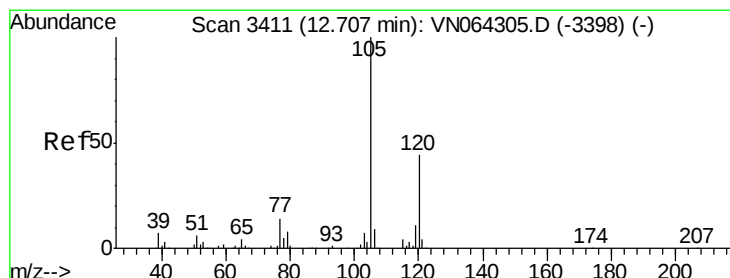
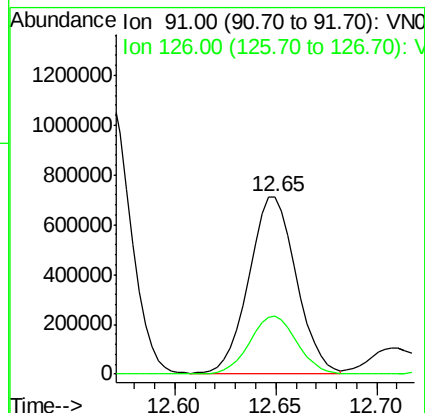
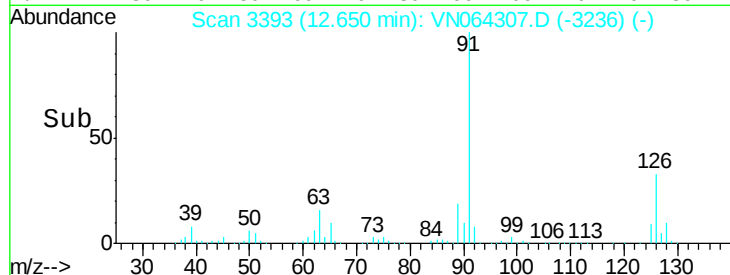
MMDadoda

10/27/2020 2:21:04 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064305.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN064305.D (-3380) (-)



#76

1,3,5-Trimethylbenzene

Concen: 103.042 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064307.D

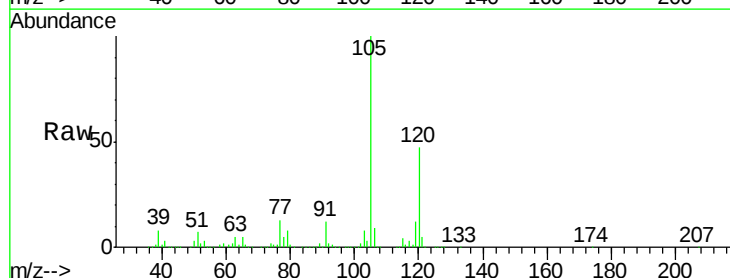
Acq: 26 Oct 2020 17:05

Tgt Ion: 105 Resp: 1400047

Ion Ratio Lower Upper

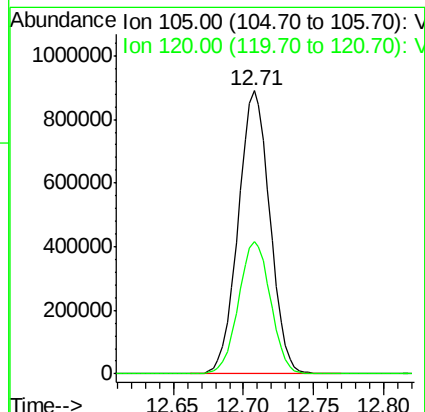
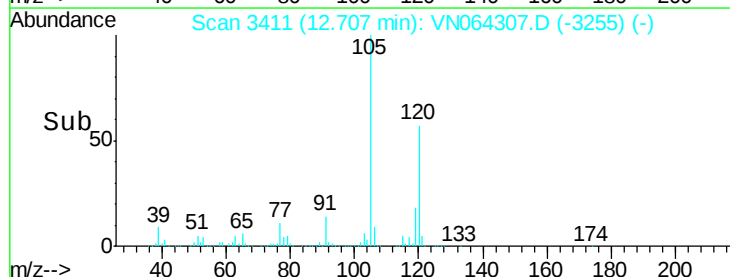
105 100

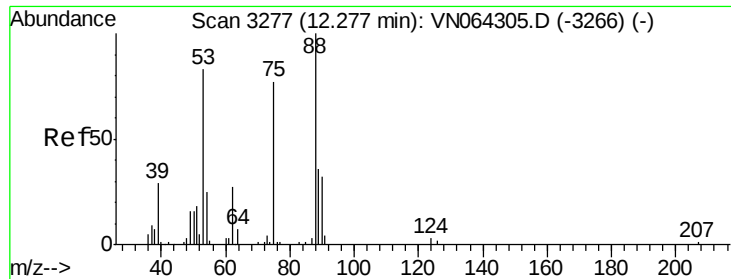
120 47.3 0.0 89.8



Abundance Ion 105.00 (104.70 to 105.70): VN064305.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN064305.D (-3398) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 110.231 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

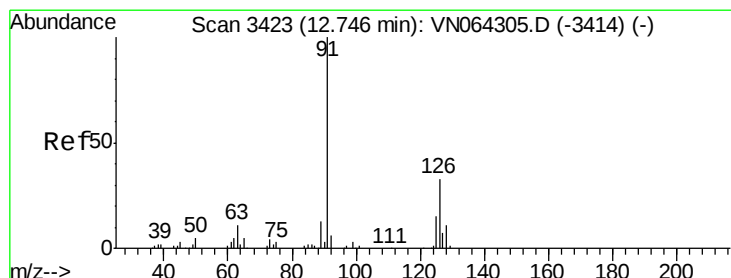
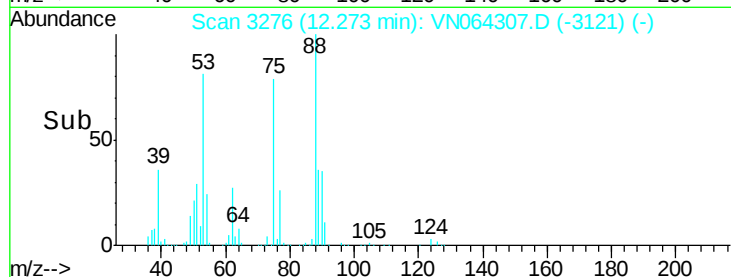
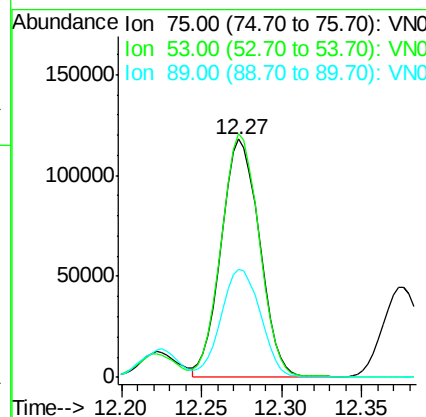
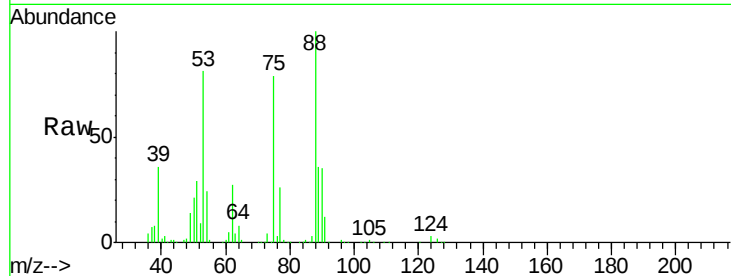
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	194984
Ion	Ratio	Lower	Upper
75	100		
53	102.5	51.0	153.0
89	45.7	24.8	74.3

Manual Integrations
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#78

4-Chlorotoluene

Concen: 104.029 ug/l

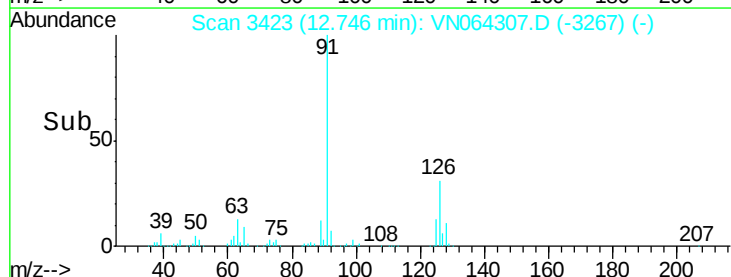
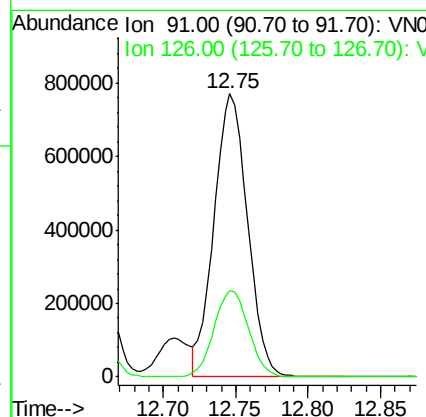
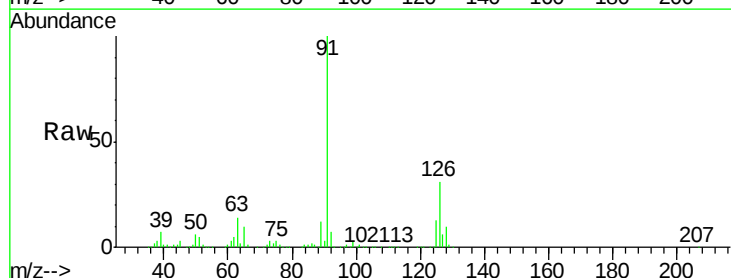
RT: 12.75 min Scan# 3423

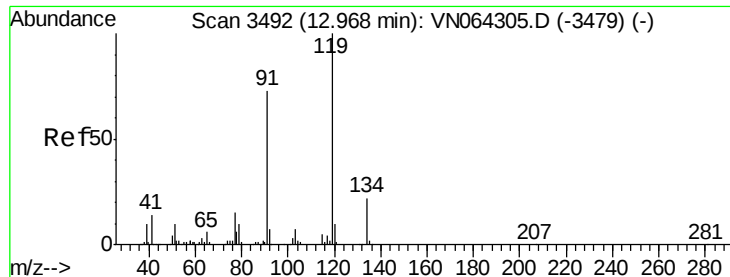
Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Tgt Ion:	91	Resp:	1231808
Ion	Ratio	Lower	Upper
91	100		
126	31.4	0.0	62.4





#79

tert-butylbenzene

Concen: 102.932 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1138346

Ion Ratio Lower Upper

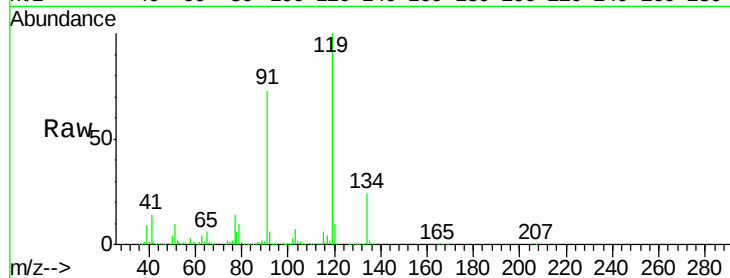
119 100

91 71.7 0.0 146.8

134 23.3 0.0 48.6

Manual Integrations
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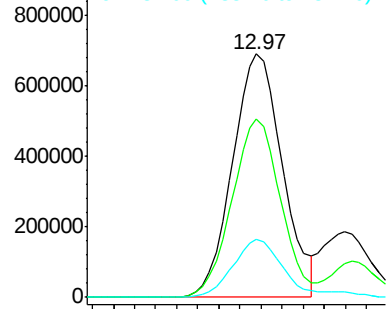
MMDadoda
10/27/2020 2:21:04 PM



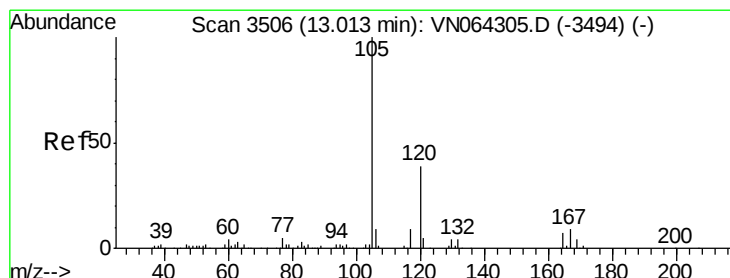
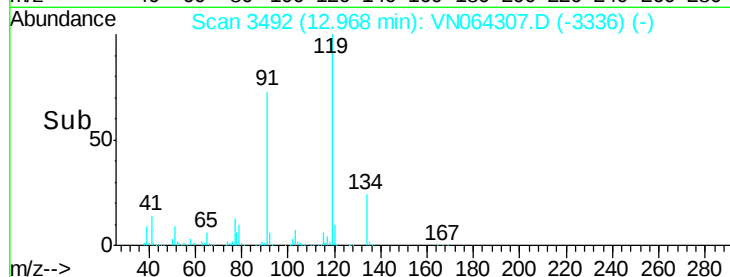
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#80

1,2,4-Trimethylbenzene

Concen: 102.767 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064307.D

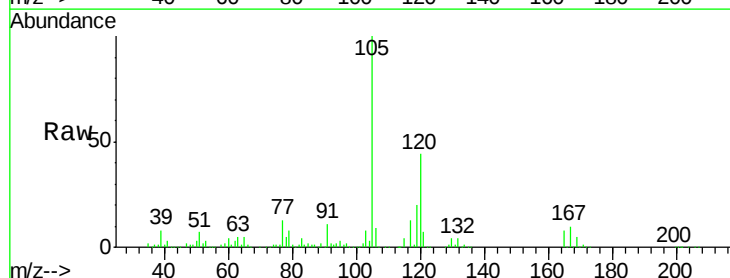
Acq: 26 Oct 2020 17:05

Tgt Ion:105 Resp: 1418360

Ion Ratio Lower Upper

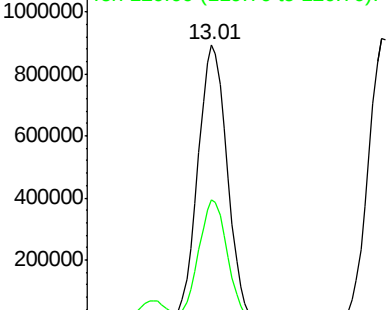
105 100

120 43.5 0.0 87.0

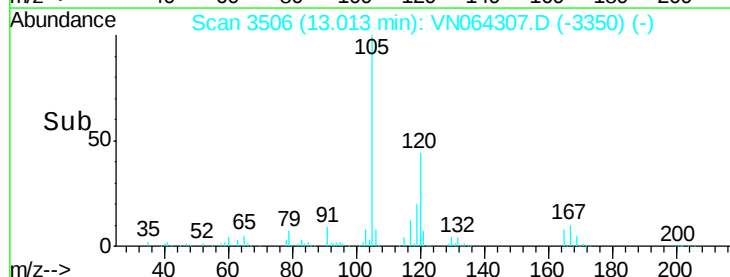


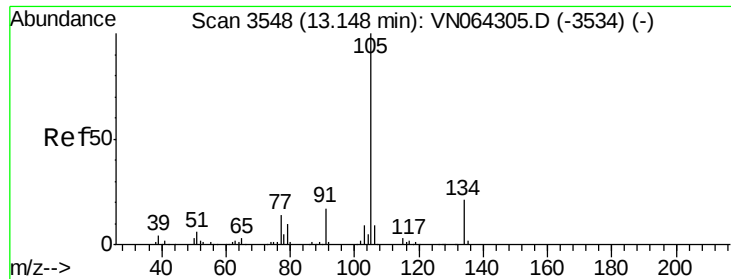
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





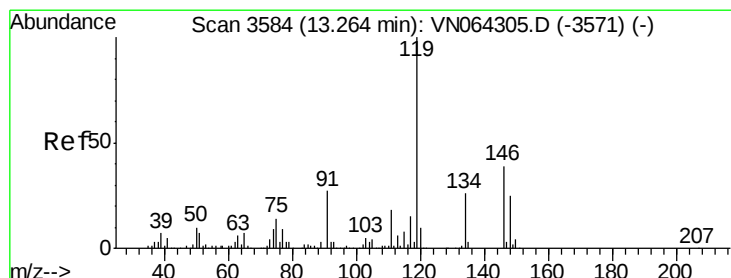
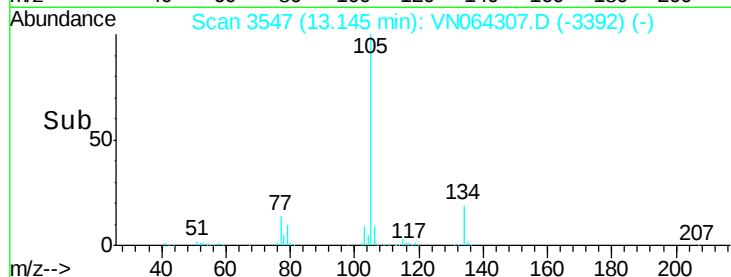
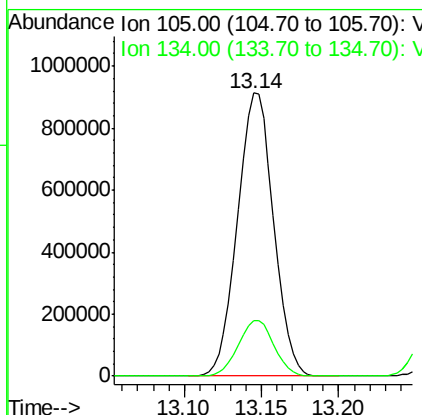
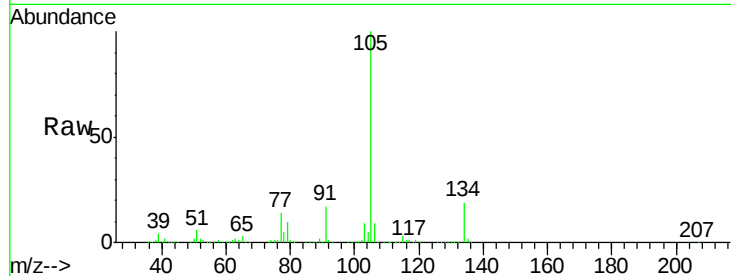
#81
 sec-Butylbenzene
 Concen: 102.966 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1476540
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 38.4

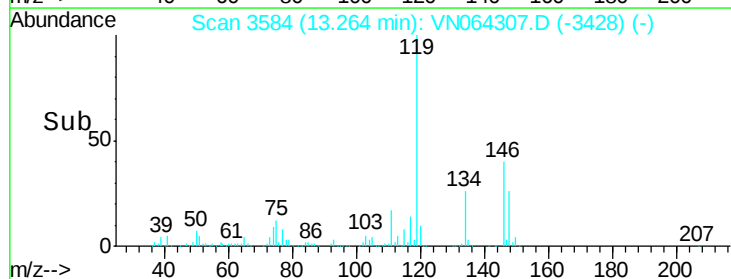
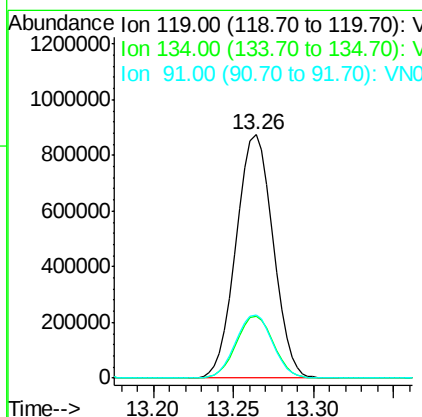
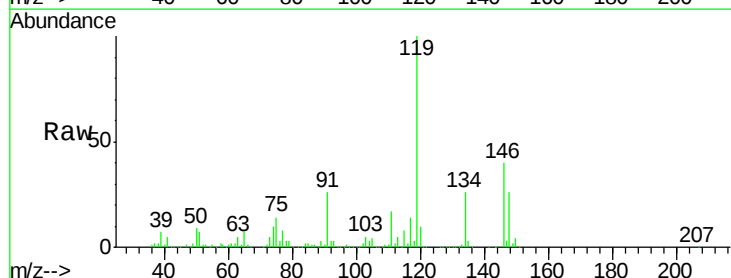
Manual Integrations
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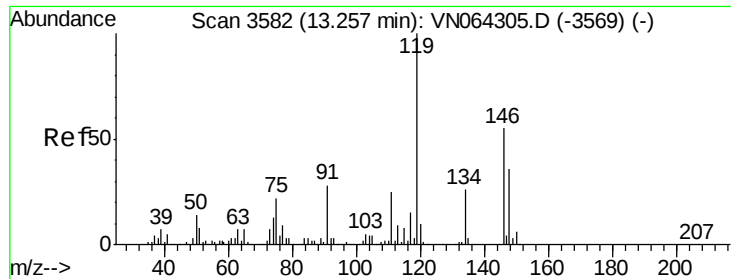
MMDadoda
 10/27/2020 2:21:04 PM



#82
 p-Isopropyltoluene
 Concen: 104.563 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion:119 Resp: 1376138
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 52.2
 91 25.9 0.0 56.0





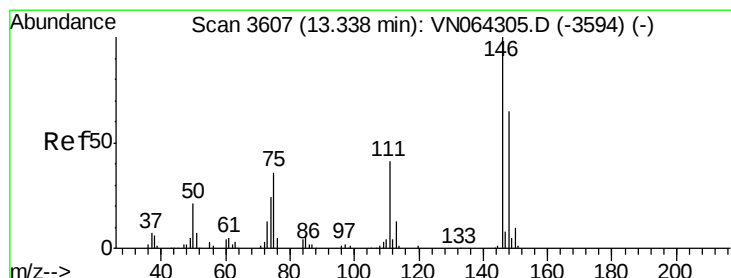
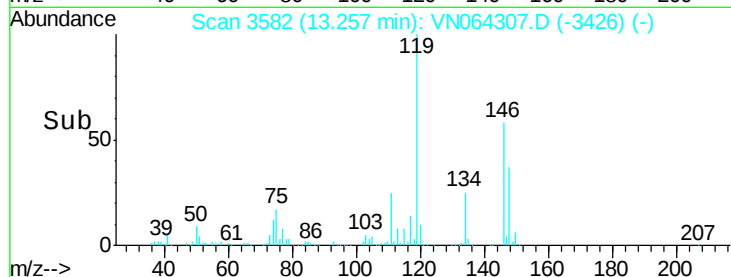
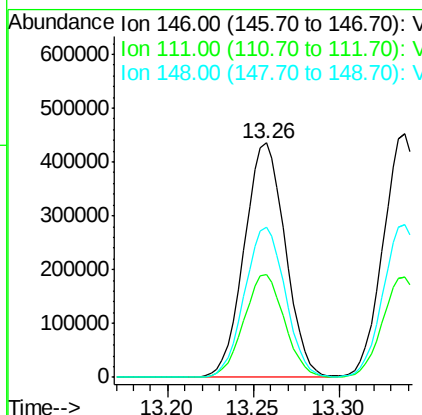
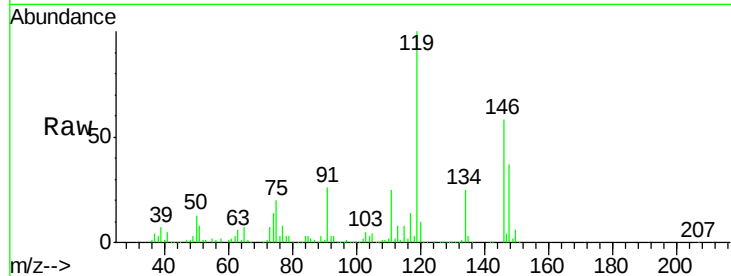
#83
 1,3-Dichlorobenzene
 Concen: 105.675 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.5	67.5
148	63.4	32.5	97.5

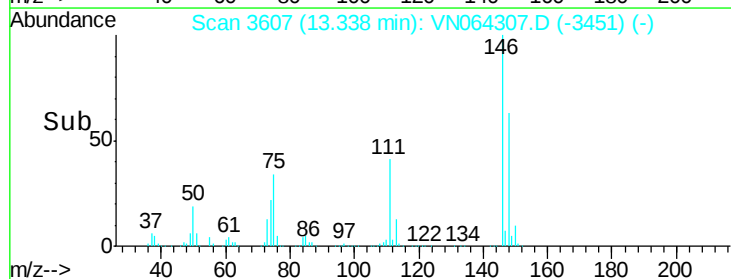
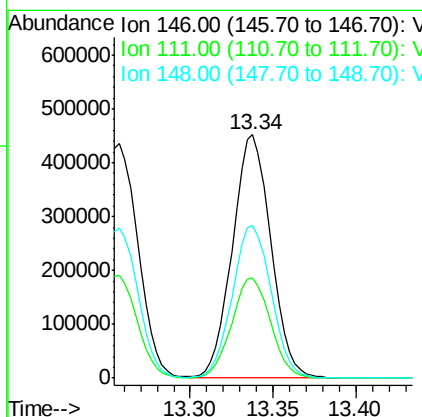
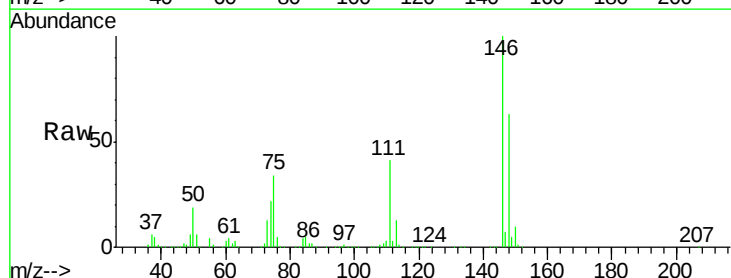
Manual Integrations
 APPROVED

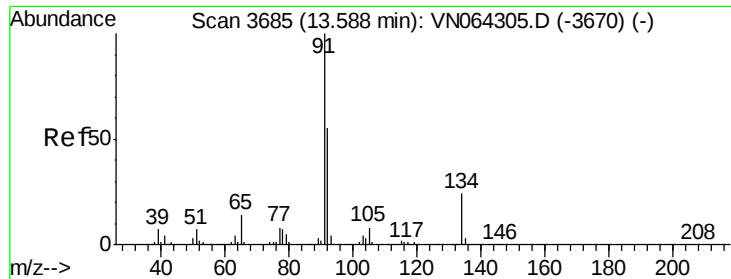
MMDadoda
 10/27/2020 2:21:04 PM



#84
 1,4-Dichlorobenzene
 Concen: 104.345 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.6	64.8
148	63.9	32.4	97.0





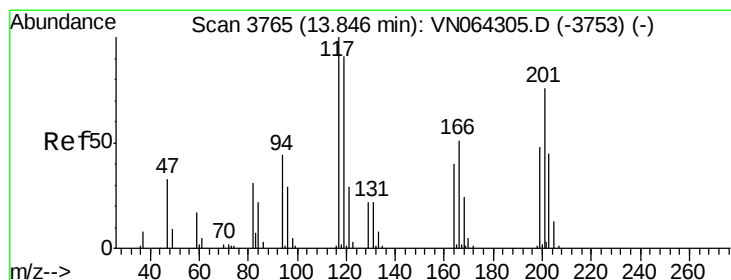
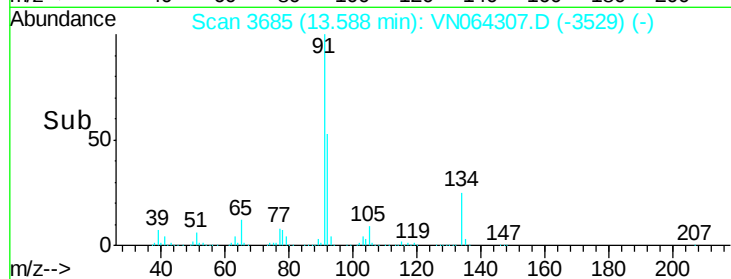
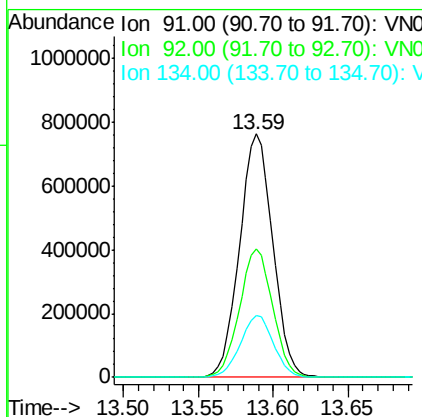
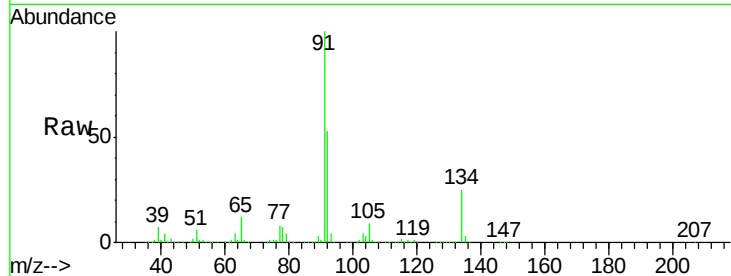
#85
n-Butylbenzene
Concen: 102.818 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	0.0	106.0
134	25.3	0.0	46.4

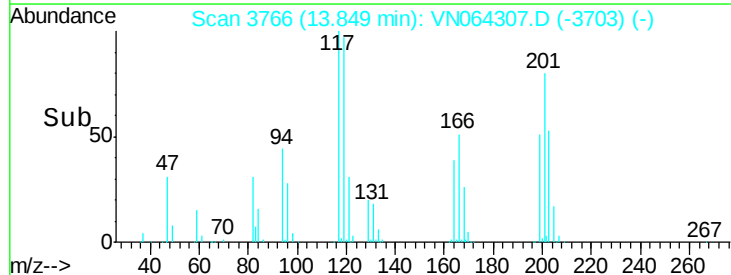
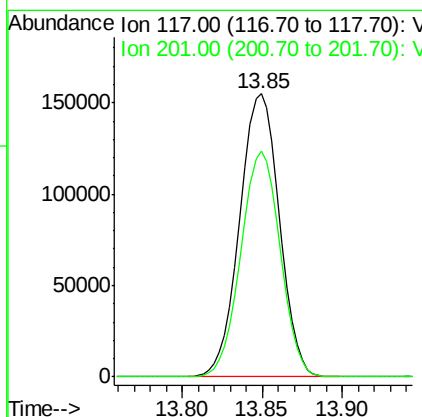
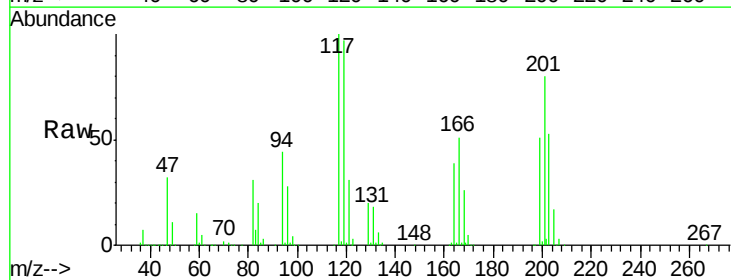
Manual Integrations
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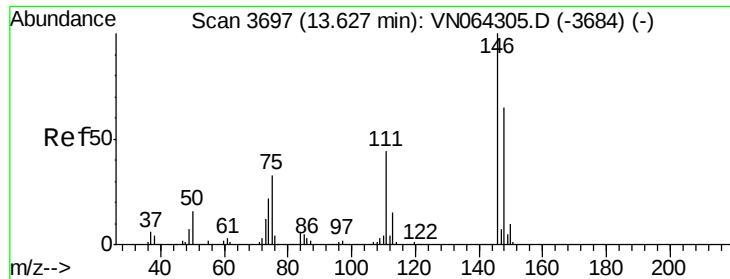
MMDadoda
10/27/2020 2:21:04 PM



#86
Hexachloroethane
Concen: 115.162 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	39.6	118.7





#87

1,2-Dichlorobenzene

Concen: 105.443 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

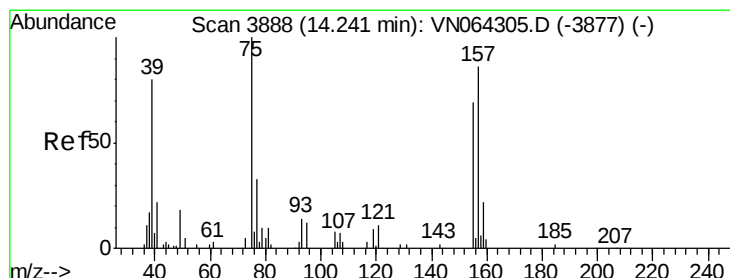
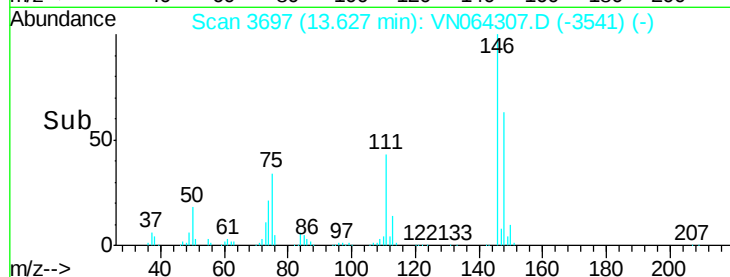
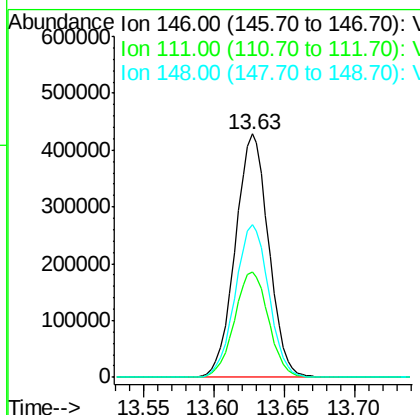
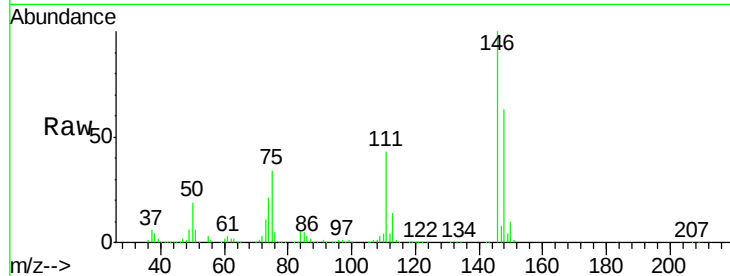
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	707476
Ion Ratio	Lower	Upper	
146	100		
111	44.4	22.3	66.8
148	63.6	31.6	95.0

Manual Integrations
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10/27/2020 2:21:04 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 114.682 ug/l

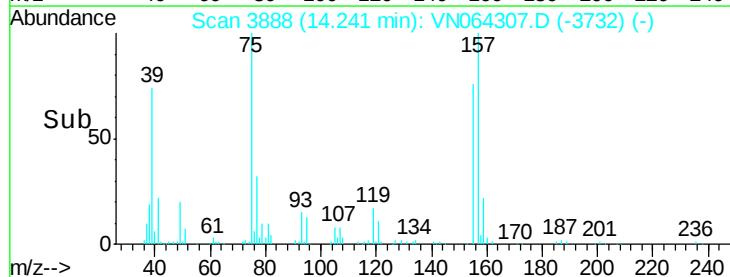
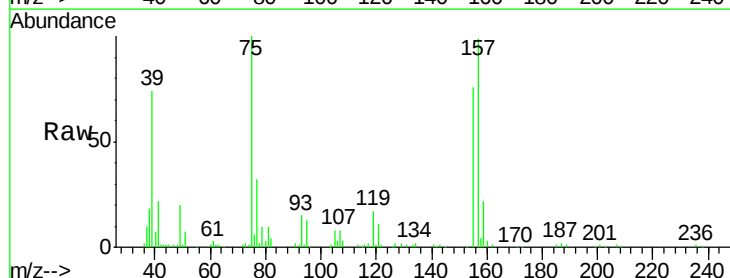
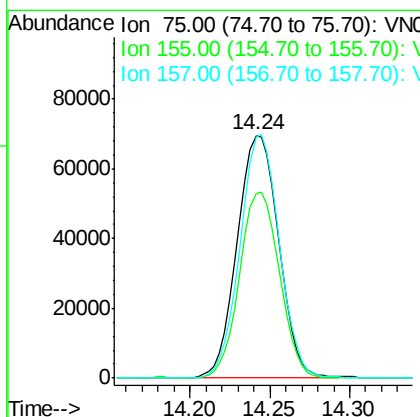
RT: 14.24 min Scan# 3888

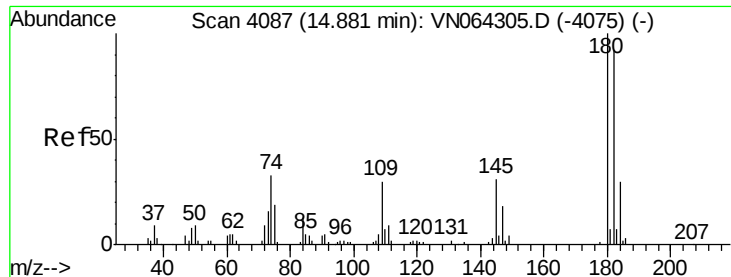
Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Tgt Ion:	75	Resp:	123254
Ion Ratio	Lower	Upper	
75	100		
155	73.7	55.8	83.8
157	95.0	72.1	108.1





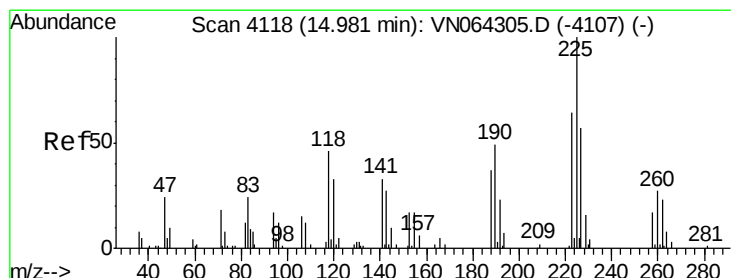
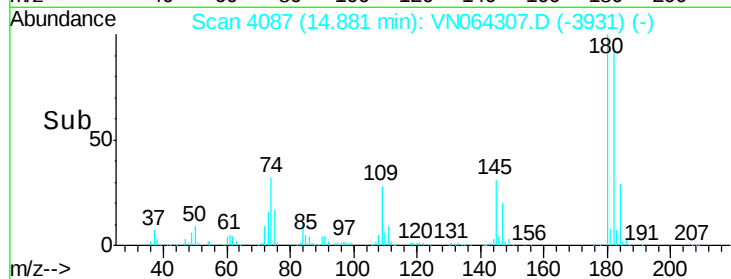
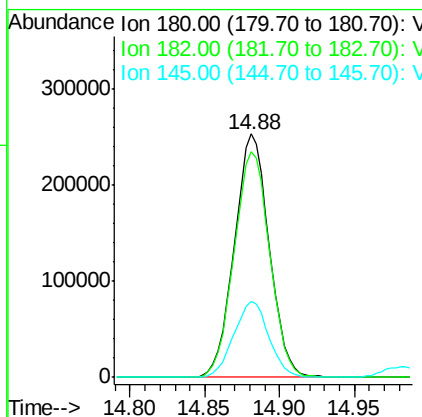
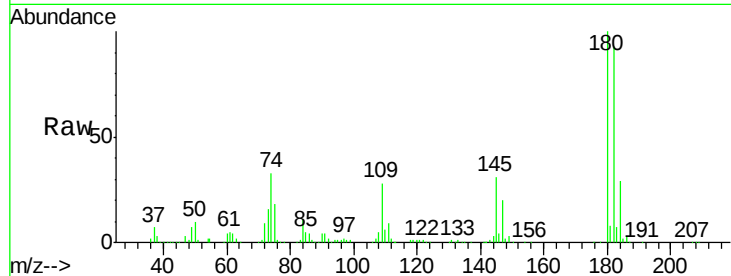
#89
 1,2,4-Trichlorobenzene
 Concen: 108.293 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	410507		
182	94.9	76.6	114.8	
145	31.5	25.4	38.0	

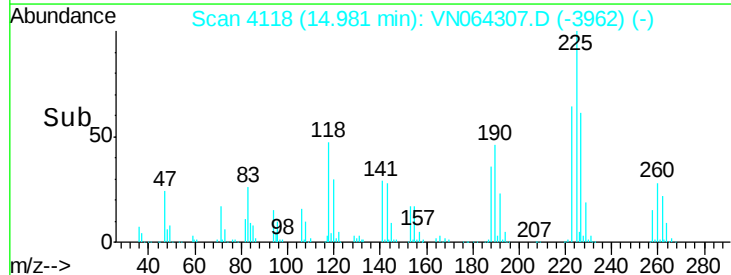
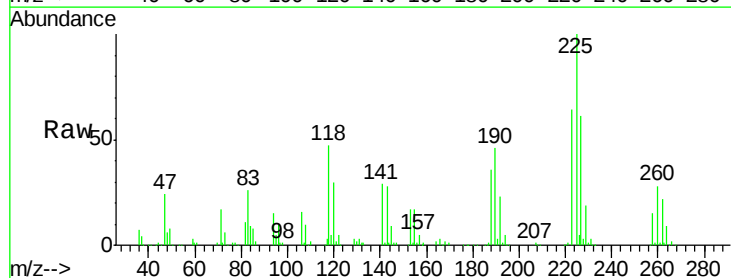
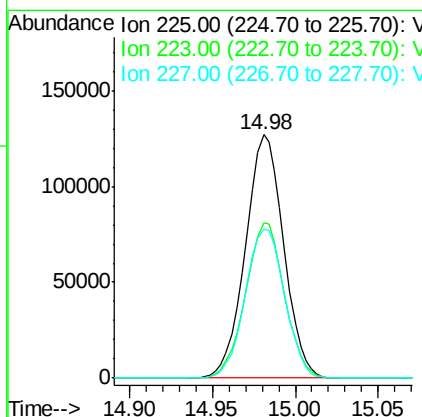
Manual Integrations
 APPROVED

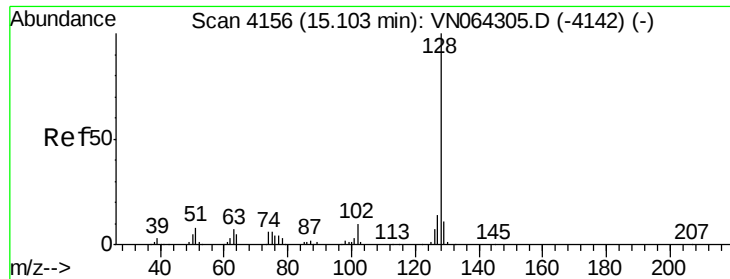
MMDadoda
 10/27/2020 2:21:04 PM



#90
 Hexachlorobutadiene
 Concen: 98.390 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	203245		
223	64.8	0.0	122.0	
227	63.5	0.0	118.0	





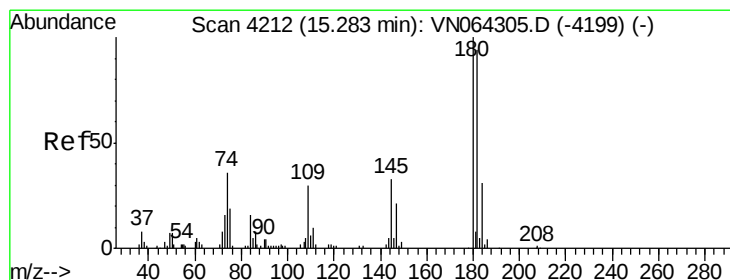
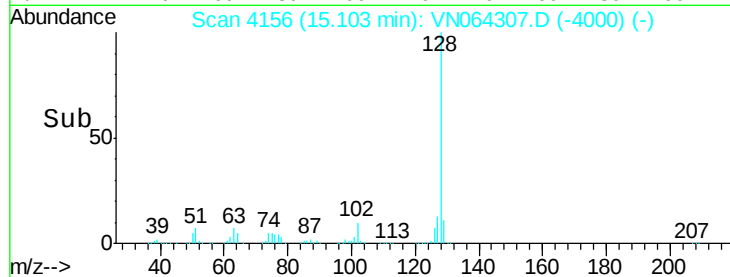
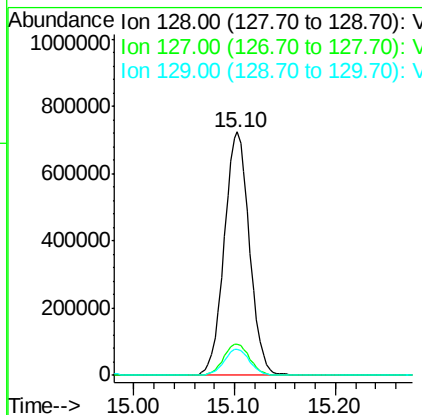
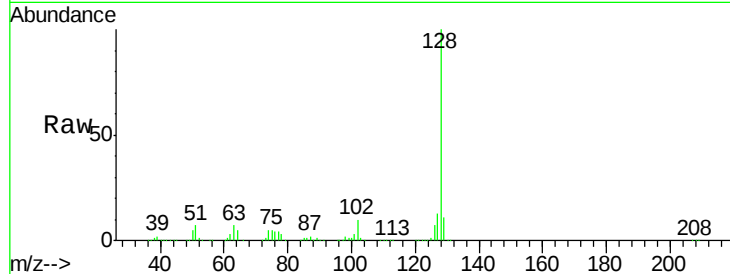
#91
Naphthalene
Concen: 112.561 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/27/2020 2:21:04 PM



#92
1,2,3-Trichlorobenzene
Concen: 108.099 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	190.0
145	33.9	0.0	67.8

