

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102620\
 Data File : VN064305.D
 Acq On : 26 Oct 2020 16:18
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC020

Manual Integrations
 APPROVED

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 10/27/2020 2:20:55 PM

Quant Time: Oct 26 16:44:12 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	47040	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	260955	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	239750	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	132075	31.95	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.50%
60) 4-Bromofluorobenzene	12.38	95	130374	30.56	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.87%
63) Toluene-d8	10.06	98	322719	30.17	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	75505	24.279	ug/l 100
3) Chloromethane	2.04	50	67582	21.128	ug/l 100
4) Vinyl Chloride	2.16	62	66459	20.623	ug/l 100
5) Bromomethane	2.53	94	41998	20.082	ug/l 100
6) Chloroethane	2.67	64	37191	19.886	ug/l 100
7) Trichlorofluoromethane	2.98	101	106460	19.764	ug/l 100
8) Diethyl Ether	3.37	74	33775	19.108	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51166	19.273	ug/l 100
10) 1,1-Dichloroethene	3.69	96	49979	19.535	ug/l 100
11) Methyl Iodide	3.91	142	68112	18.469	ug/l 100
12) Methyl Acetate	4.28	43	60677	20.008	ug/l 100
13) Acrolein	3.57	56	16647	69.354	ug/l 100
14) Acrylonitrile	4.93	53	129855	107.831	ug/l 100
15) Acetone	3.78	58	34783	94.444	ug/l 100
16) Carbon Disulfide	4.01	76	141763	19.067	ug/l 100
17) Allyl chloride	4.28	41	89270	18.175	ug/l 100
18) Methylene Chloride	4.51	84	56900	18.880	ug/l 100
19) trans-1,2-Dichloroethene	4.98	96	51193	17.852	ug/l 100
20) Diisopropyl ether	5.90	45	190910	20.168	ug/l 100
21) 1,1-Dichloroethane	5.79	63	106652	19.132	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	61853	18.590	ug/l 100
23) tert-Butyl Alcohol	4.73	59	57787	104.647	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	188755	20.715	ug/l 100
25) Chloroform	7.33	83	111645	18.545	ug/l 100
26) Cyclohexane	7.61	56	85135	19.590	ug/l 100
29) 1,1-Dichloropropene	7.75	75	83264	18.867	ug/l 100
30) 2-Butanone	6.78	43	200387	101.598	ug/l 100
31) 2,2-Dichloropropane	6.78	77	102011m	18.598	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	106039	18.791	ug/l 100
33) Carbon Tetrachloride	7.73	117	96243	19.008	ug/l 100
34) Benzene	8.00	78	225984	18.710	ug/l 100
35) Methacrylonitrile	7.12	41	40232	20.275	ug/l 100
36) 1,2-Dichloroethane	8.09	62	103926	19.888	ug/l 100
37) Trichloroethene	8.80	130	60564	18.374	ug/l 100
38) Methylcyclohexane	9.05	83	77828	19.188	ug/l 100
39) 1,2-Dichloropropane	9.08	63	63040	19.370	ug/l 100
40) Dibromomethane	9.17	93	43006	19.098	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	92262	18.923	ug/l	100
42) Vinyl Acetate	5.84	43	859060	99.022	ug/l	100
43) Ethyl Acetate	6.88	43	81909	19.612	ug/l	100
44) Isopropyl Acetate	8.13	43	150645	20.185	ug/l	100
45) 1,4-Dioxane	9.17	88	23045	478.970	ug/l	100
46) Methyl methacrylate	9.17	41	74195	20.452	ug/l	100
47) n-amyl Acetate	12.05	43	124464	19.256	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	105156	19.192	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	104109	18.373	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	58884	19.562	ug/l	100
51) Ethyl methacrylate	10.40	69	88589	19.120	ug/l	100
52) 1,3-Dichloropropane	10.68	76	102482	19.377	ug/l	100
53) Dibromochloromethane	10.87	129	70027	18.773	ug/l	100
54) 1,2-Dibromoethane	10.97	107	62437	19.399	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	223817	92.790	ug/l	100
56) Bromoform	12.10	173	50591	18.986	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	426603	103.235	ug/l	100
59) 2-Hexanone	10.72	43	314845	101.220	ug/l	100
61) Tetrachloroethene	10.60	164	59726	18.381	ug/l	100
62) Toluene	10.13	91	243833	18.187	ug/l	100
64) Chlorobenzene	11.41	112	150763	18.215	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	60647	18.253	ug/l	100
66) Ethyl Benzene	11.48	91	282915	18.330	ug/l	100
67) m/p-Xylenes	11.59	106	202455	35.653	ug/l	100
68) o-Xylene	11.92	106	98590	17.865	ug/l	100
69) Styrene	11.94	104	165889	17.996	ug/l	100
70) Isopropylbenzene	12.22	105	266829	18.215	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	79115	19.713	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	92424m	21.894	ug/l	100
73) Bromobenzene	12.50	156	65227	18.276	ug/l	100
74) n-propylbenzene	12.57	91	301639	18.032	ug/l	100
75) 2-Chlorotoluene	12.65	91	190677	18.287	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	224911	18.128	ug/l	100
77) t-1,4-Dichloro-2-butene	12.28	75	31483	19.492	ug/l	100
78) 4-Chlorotoluene	12.75	91	195718	18.101	ug/l	100
79) tert-butylbenzene	12.97	119	181924	18.015	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	227837	18.078	ug/l	100
81) sec-Butylbenzene	13.15	105	235664	17.997	ug/l	100
82) p-Isopropyltoluene	13.26	119	213311	17.750	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	110295	17.636	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	110341	17.378	ug/l	100
85) n-Butylbenzene	13.59	91	181424	17.270	ug/l	100
86) Hexachloroethane	13.85	117	40456	19.444	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	109914	17.940	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	19557	19.928	ug/l	100
89) 1,2,4-Trichlorobenzene	14.88	180	58991	17.042	ug/l	100
90) Hexachlorobutadiene	14.98	225	32451	17.204	ug/l	100
91) Naphthalene	15.10	128	188202	18.344	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	58692	17.657	ug/l	100

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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

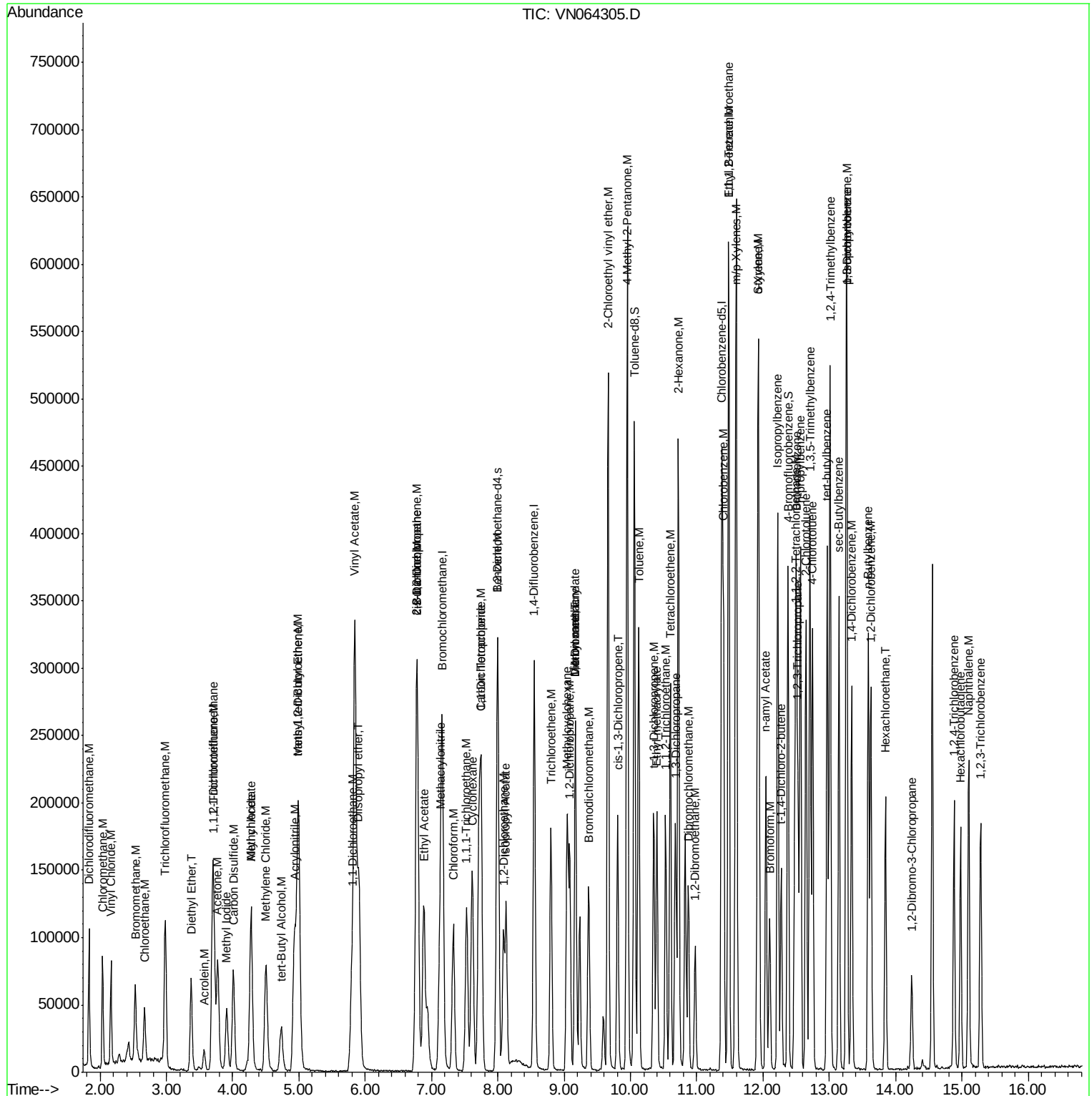
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102620\
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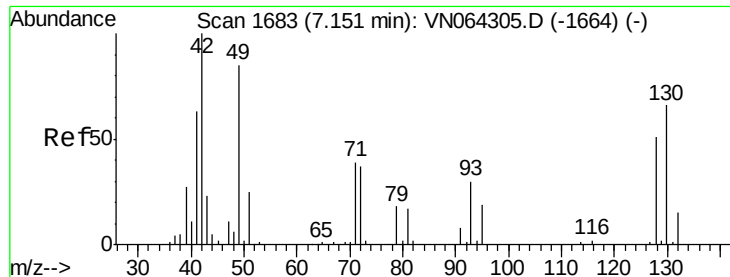
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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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: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

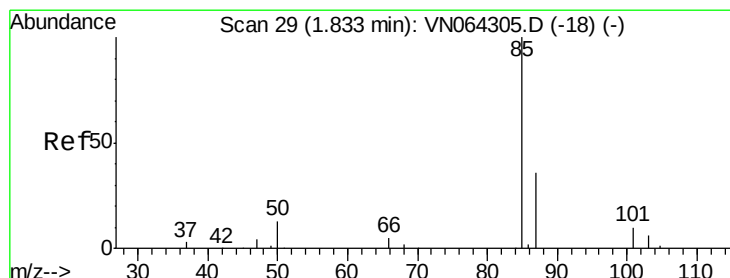
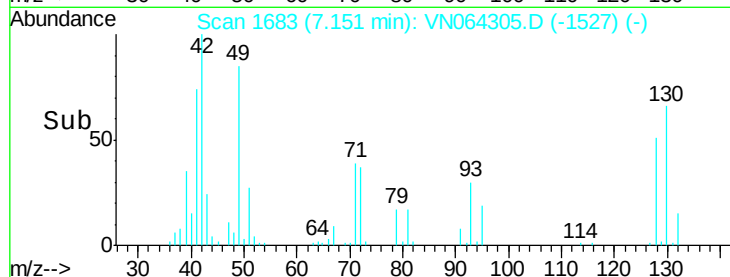
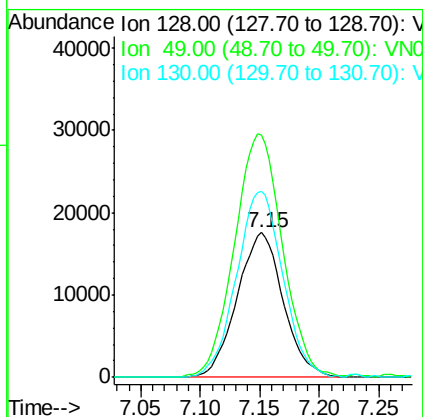
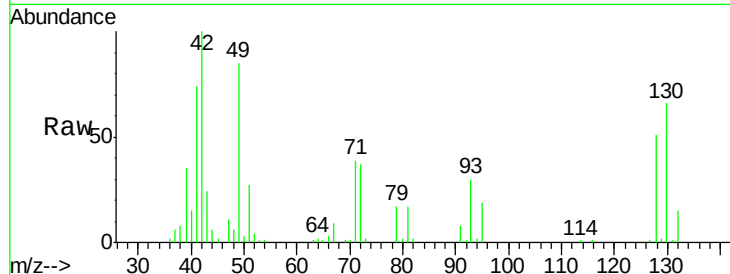
ClientSampleId :

VSTDICCC020

Tot Ion:	128	Resp:	47040
Ion	Ratio	Lower	Upper
128	100		
49	175.8	0.0	439.5
130	129.5	0.0	323.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 24.279 ug/l

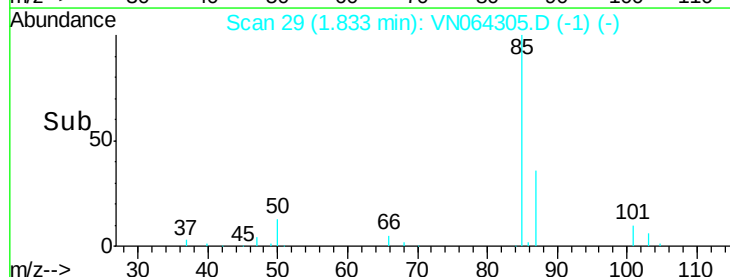
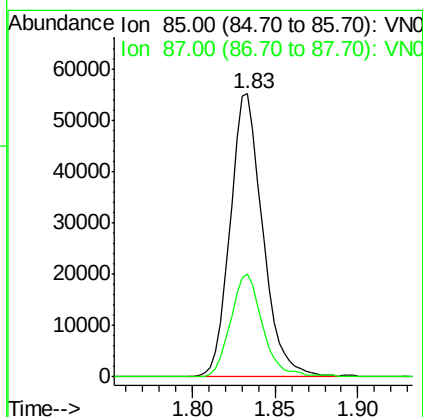
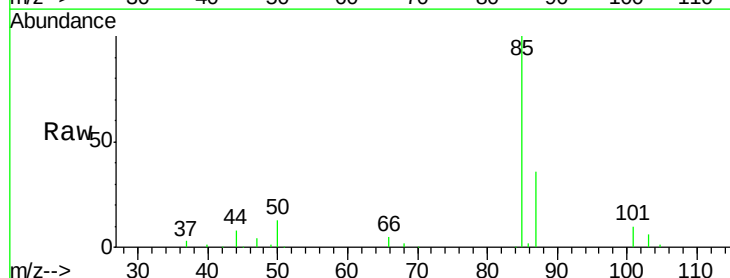
RT: 1.83 min Scan# 29

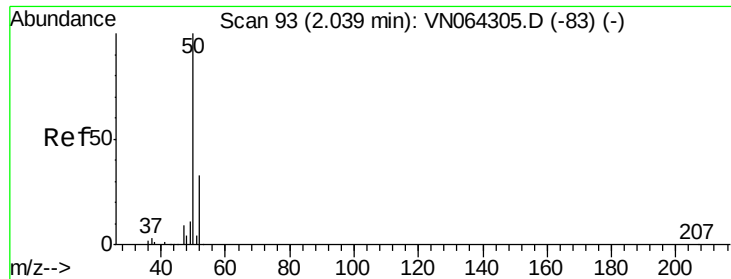
Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Tgt Ion:	85	Resp:	75505
Ion	Ratio	Lower	Upper
85	100		
87	36.3	18.1	54.4





#3

Chloromethane

Concen: 21.128 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 67582

Ion Ratio Lower Upper

50 100

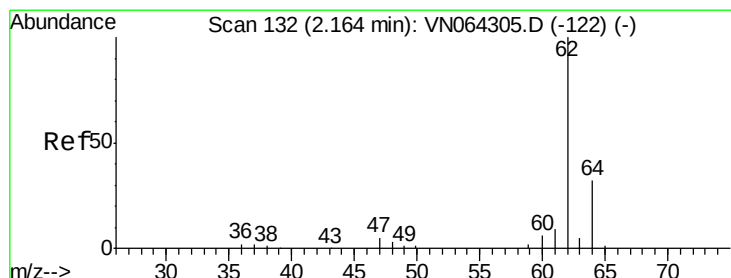
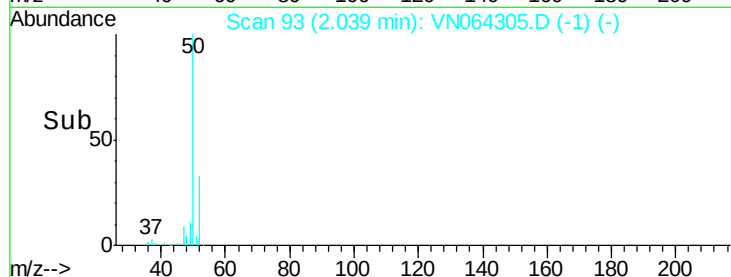
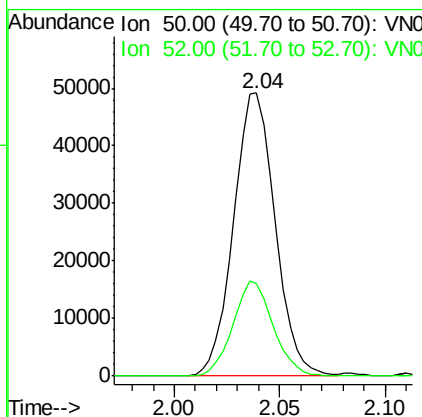
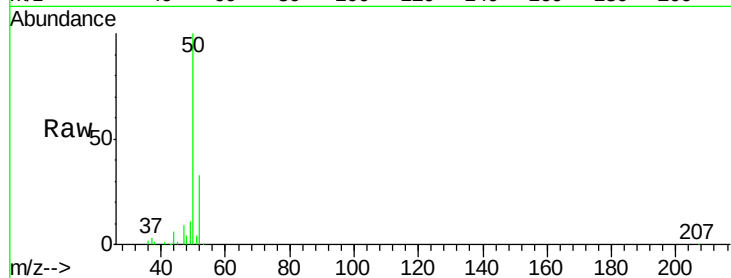
52 32.7 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.623 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064305.D

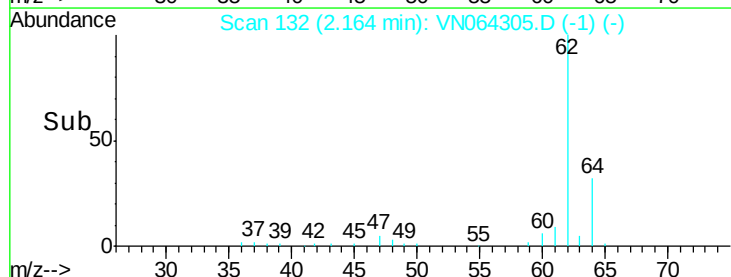
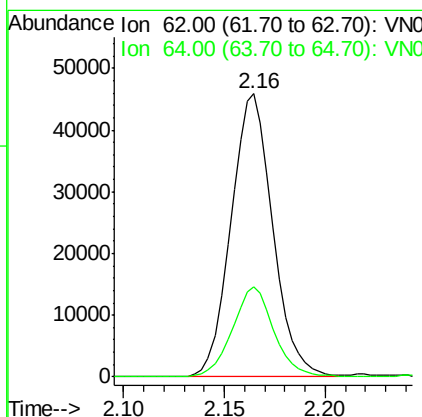
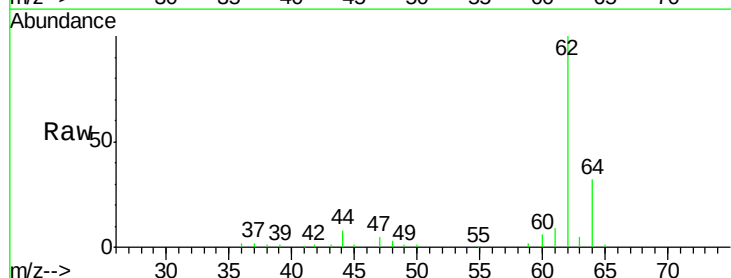
Acq: 26 Oct 2020 16:18

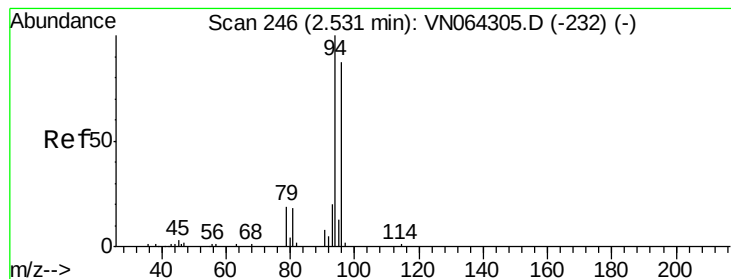
Tgt Ion: 62 Resp: 66459

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 20.082 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 41998

Ion Ratio Lower Upper

94 100

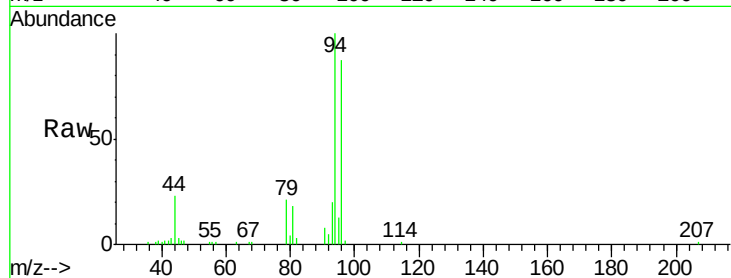
96 86.7 69.4 104.0

Manual Integrations

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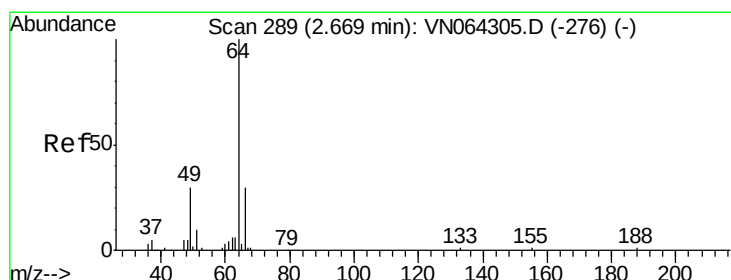
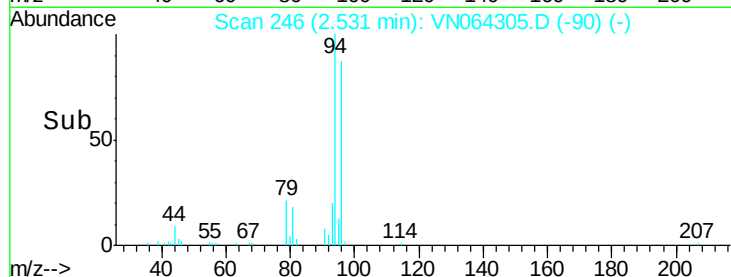
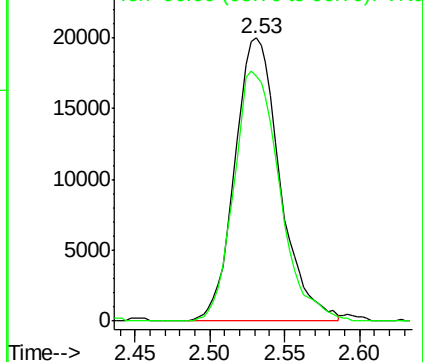
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.886 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064305.D

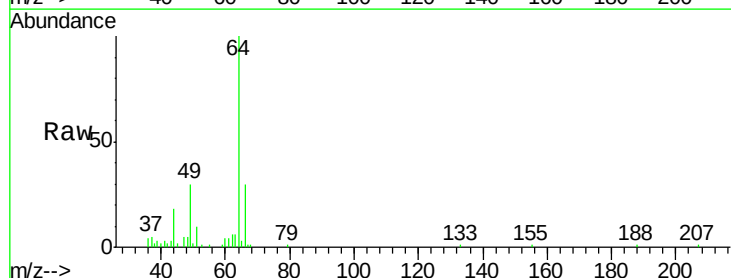
Acq: 26 Oct 2020 16:18

Tgt Ion: 64 Resp: 37191

Ion Ratio Lower Upper

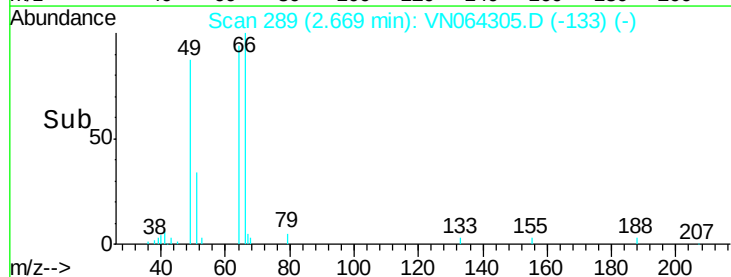
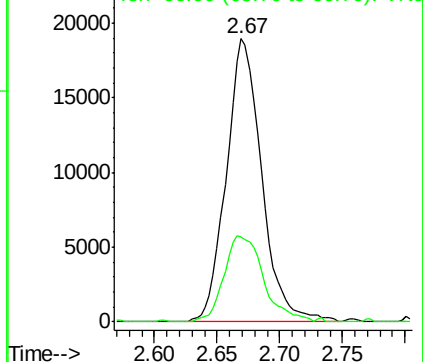
64 100

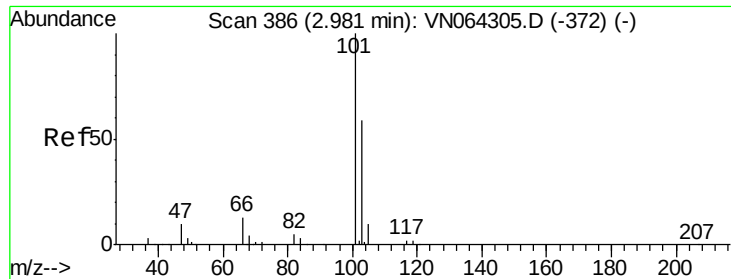
66 30.1 24.1 36.1



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

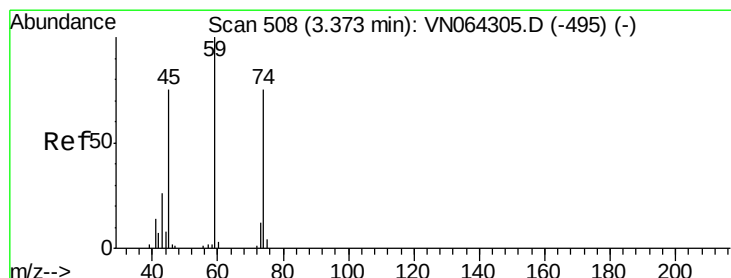
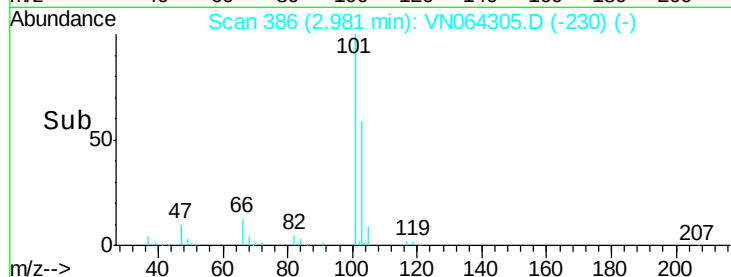
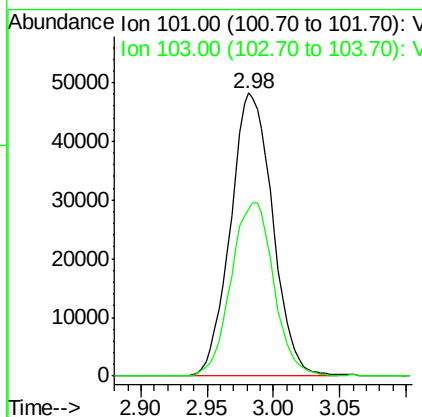
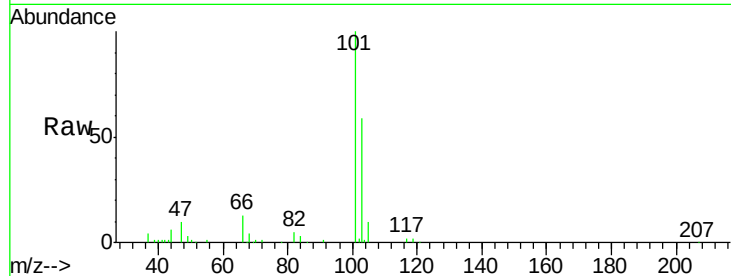
Trichlorofluoromethane
Concen: 19.764 ug/l
RT: 2.98 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	106460		
103	103	58.9		47.1	70.7

Manual Integrations
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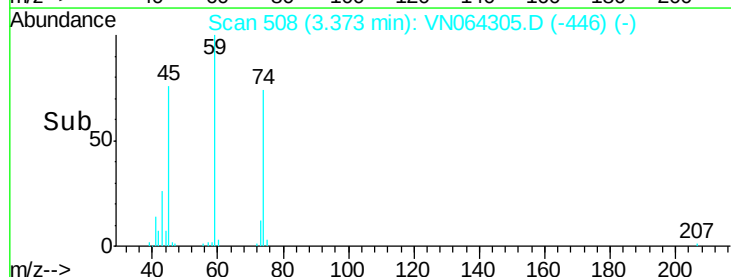
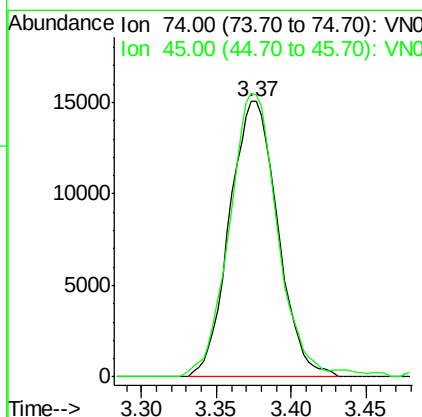
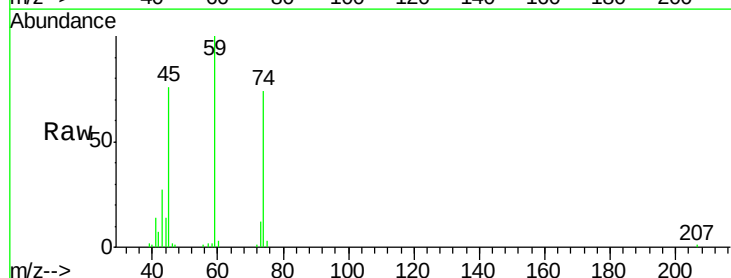
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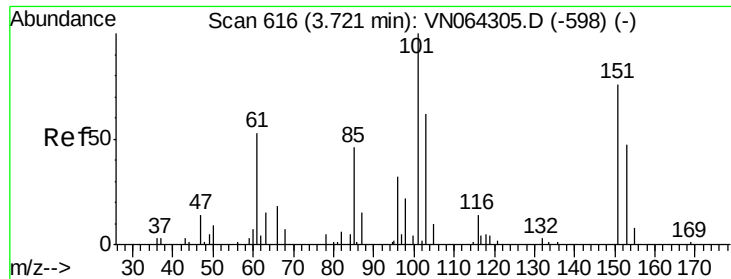


#8

Diethyl Ether
Concen: 19.108 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	74	100	33775		
45	45	102.0		20.4	183.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.273 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

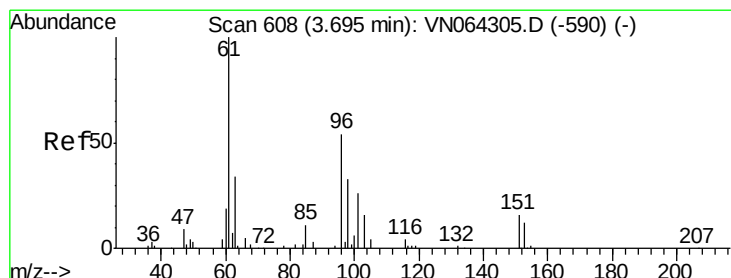
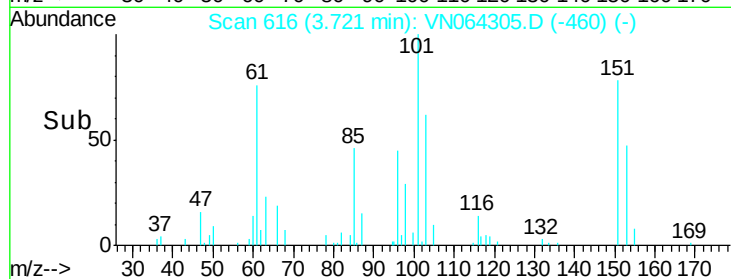
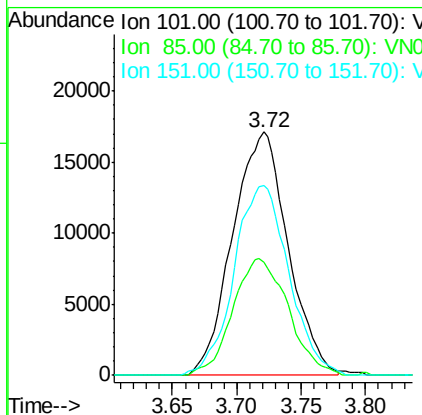
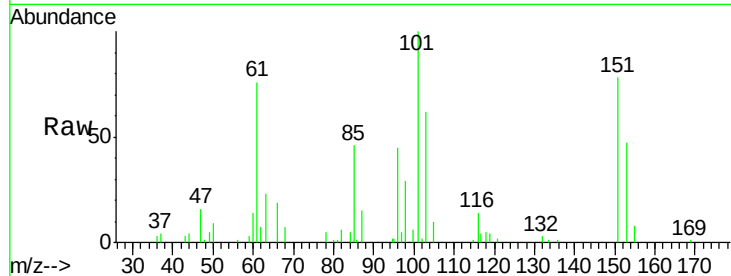
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	51166
Ion Ratio	Lower	Upper	
101	100		
85	48.1	0.0	96.2
151	77.2	0.0	154.4

Manual Integrations
APPROVED

MMDadoda
10/27/2020 2:20:55 PM



#10

1,1-Dichloroethene

Concen: 19.535 ug/l

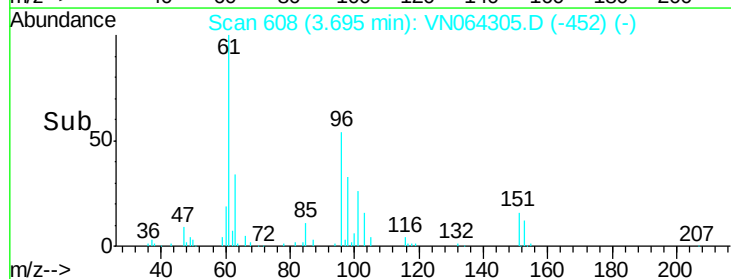
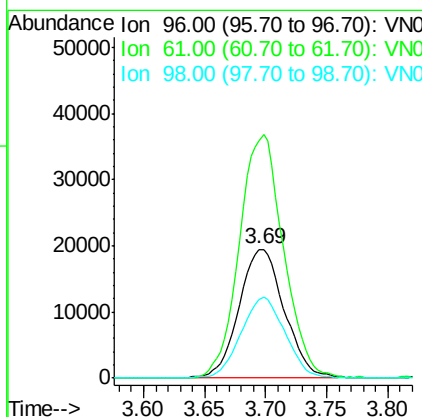
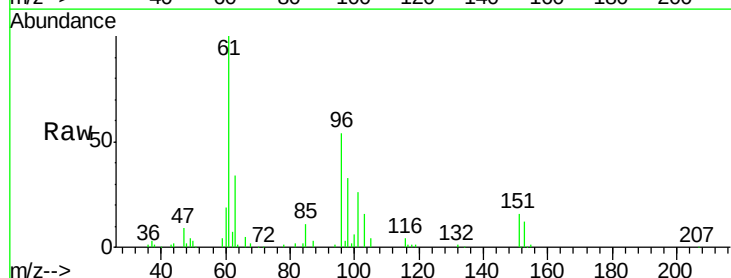
RT: 3.69 min Scan# 608

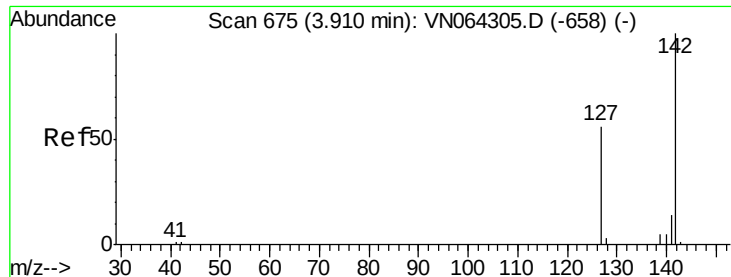
Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Tgt Ion:	96	Resp:	49979
Ion Ratio	Lower	Upper	
96	100		
61	184.3	147.4	221.2
98	61.0	48.8	73.2





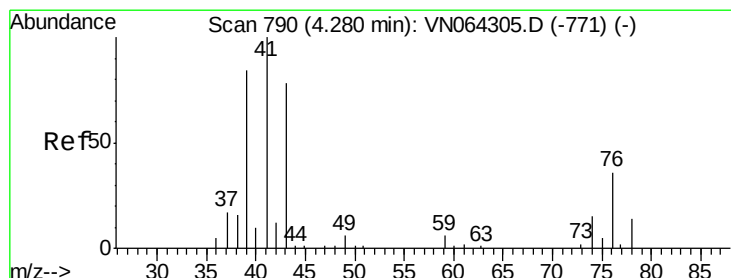
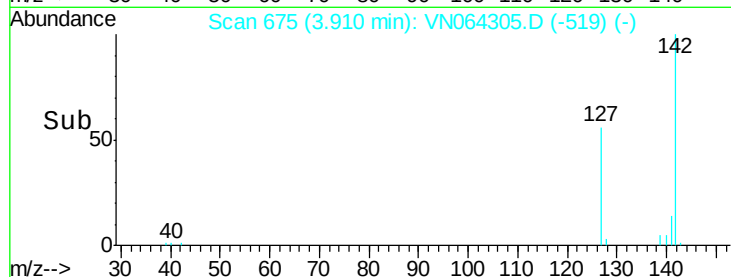
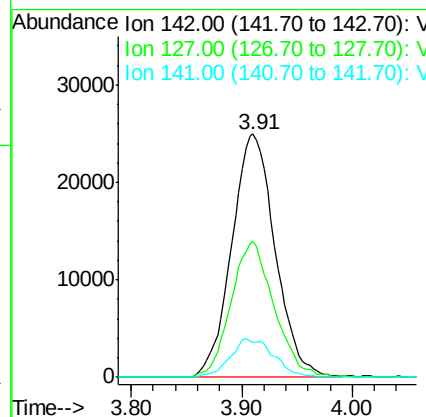
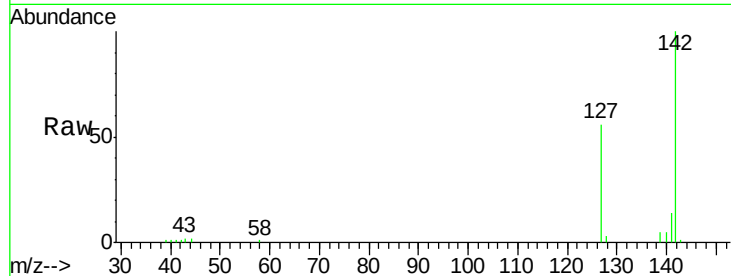
#11
Methvl Iodide
Concen: 18.469 ug/l
RT: 3.91 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	55.8	27.9	83.7
141	14.2	7.1	21.3

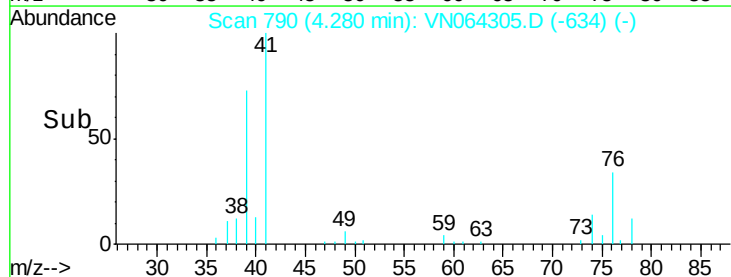
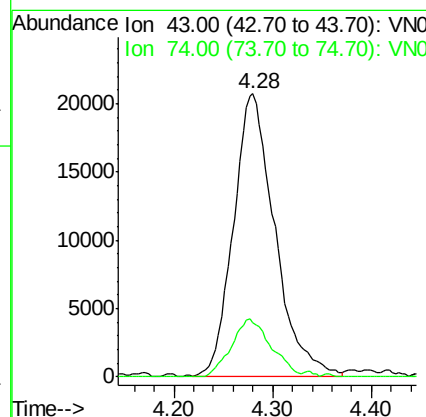
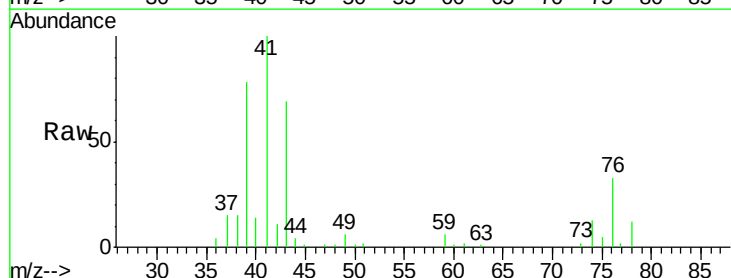
Manual Integrations
APPROVED

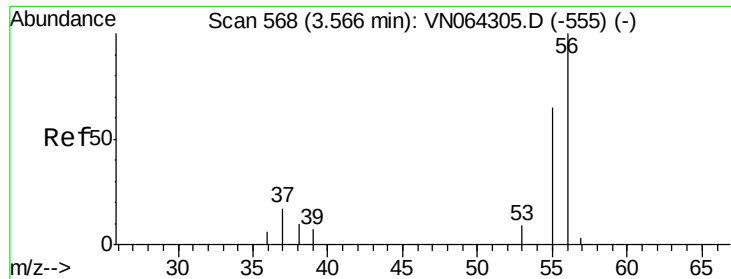
MMDadoda
10/27/2020 2:20:55 PM



#12
Methyl Acetate
Concen: 20.008 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	15.4	23.0





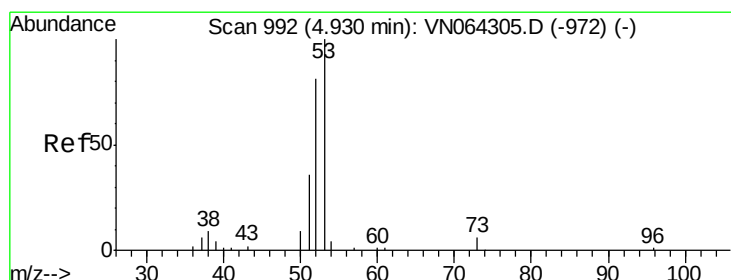
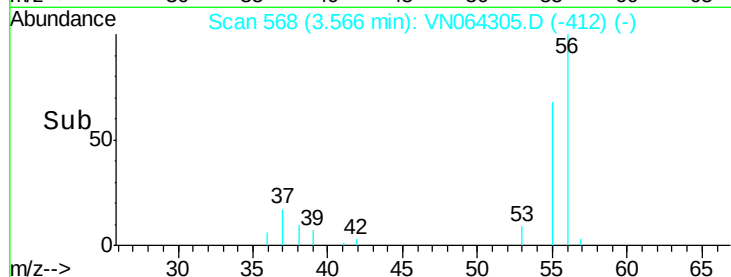
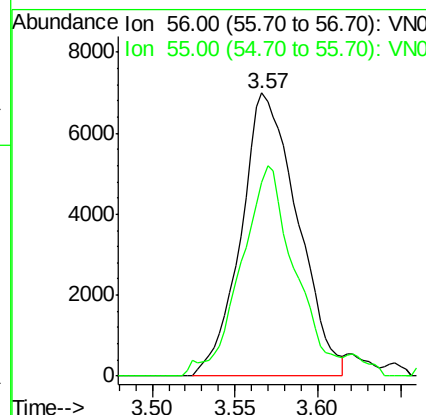
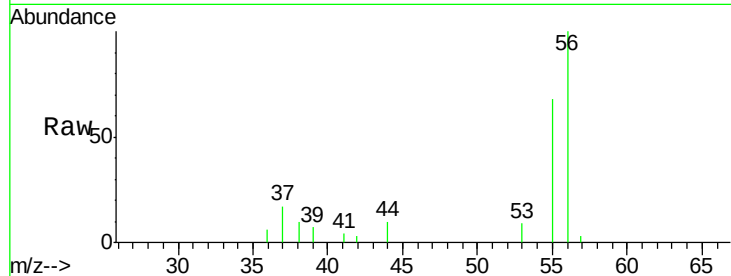
#13
Acrolein
Concen: 69.354 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	56	Resp	16647
Ion Ratio	Lower	Upper	
56	100		
55	69.4	55.5	83.3

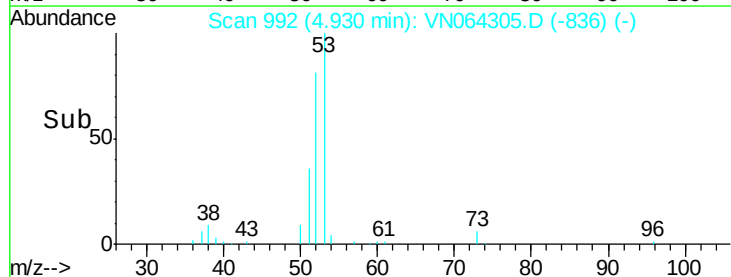
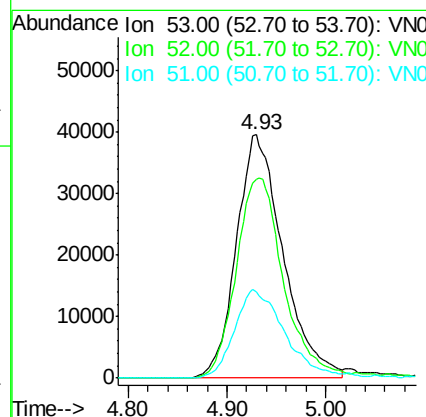
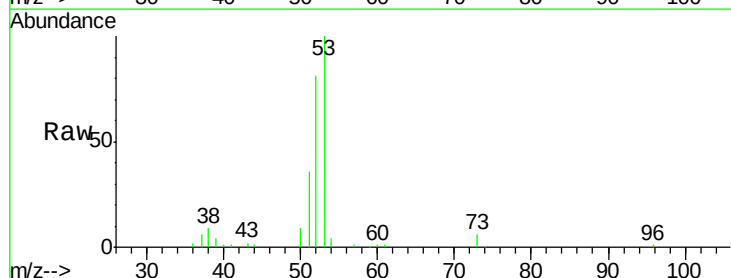
Manual Integrations
APPROVED

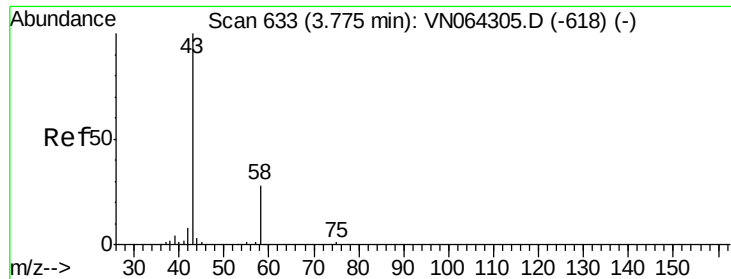
MMDadoda
10/27/2020 2:20:55 PM



#14
Acrylonitrile
Concen: 107.831 ug/l
RT: 4.93 min Scan# 992
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion	53	Resp	129855
Ion Ratio	Lower	Upper	
53	100		
52	83.4	41.7	125.1
51	38.8	19.4	58.2





#15

Acetone

Concen: 94.444 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 34783

Ion Ratio Lower Upper

58 100

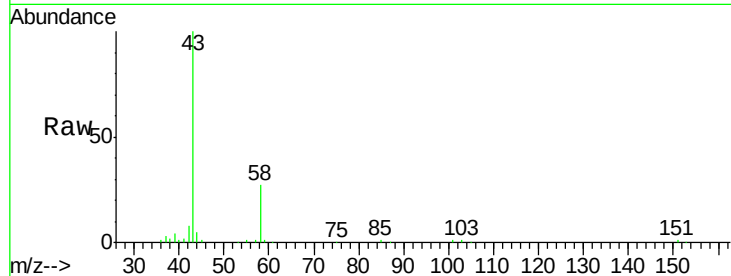
43 362.4 289.9 434.9

Manual Integrations

APPROVED

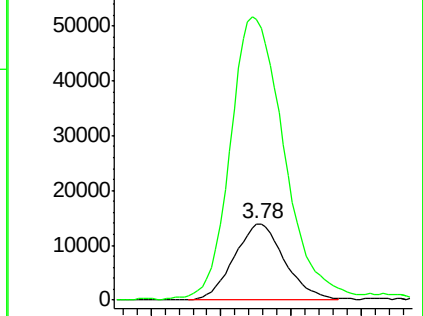
MMDadoda

10/27/2020 2:20:55 PM

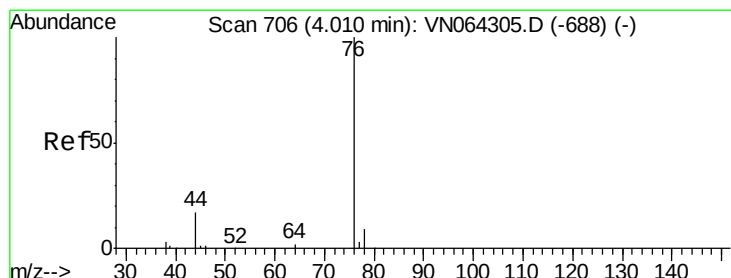
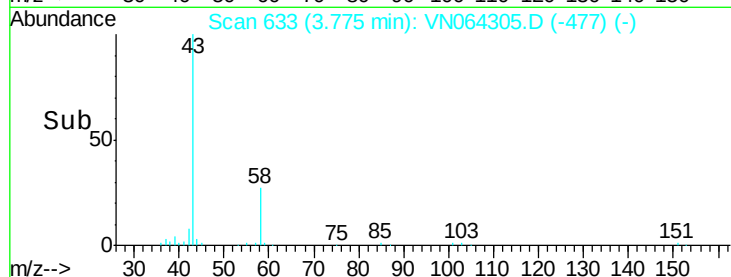


Abundance Ion 58.00 (57.70 to 58.70): VN064305.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN064305.D (-618) (-)



Time-->



#16

Carbon Disulfide

Concen: 19.067 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064305.D

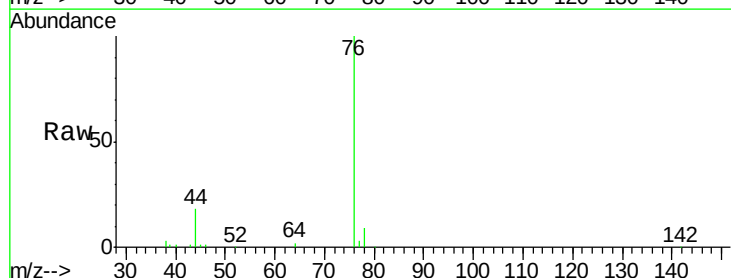
Acq: 26 Oct 2020 16:18

Tgt Ion: 76 Resp: 141763

Ion Ratio Lower Upper

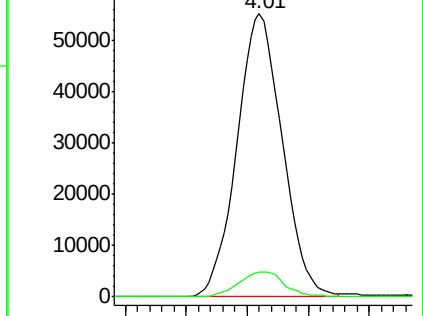
76 100

78 8.7 7.0 10.4

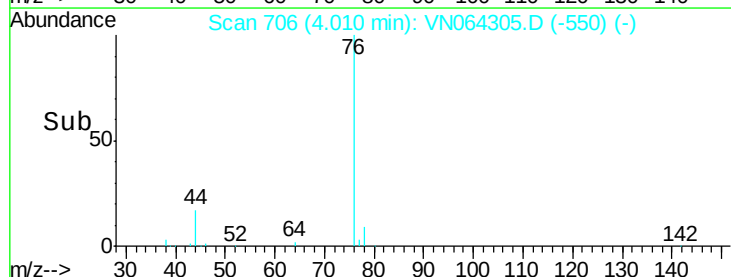


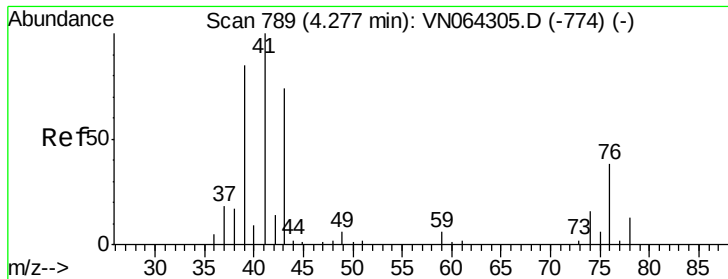
Abundance Ion 76.00 (75.70 to 76.70): VN064305.D (-688) (-)

Ion 78.00 (77.70 to 78.70): VN064305.D (-688) (-)



Time-->





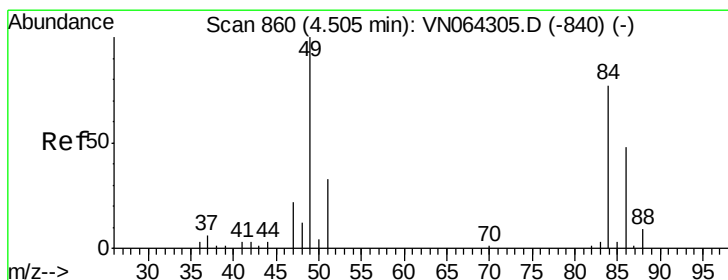
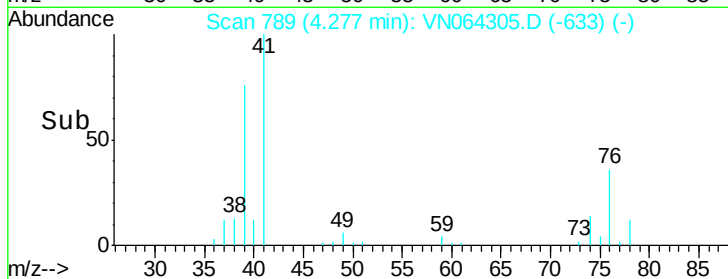
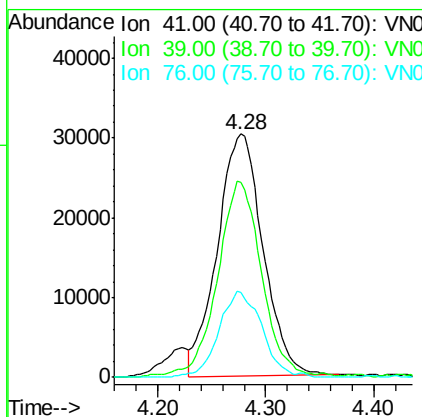
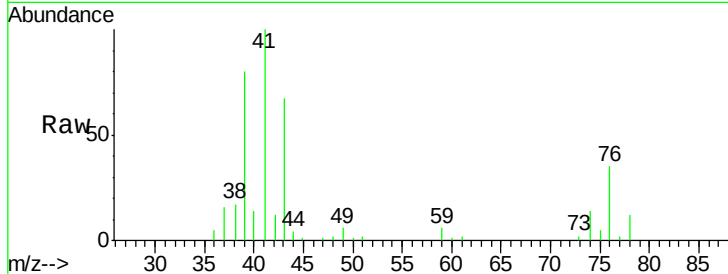
#17
Allvl chloride
Concen: 18.175 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:	41	Resp:	89270
Ion	Ratio	Lower	Upper
41	100		
39	80.6	40.3	120.9
76	35.3	17.6	52.9

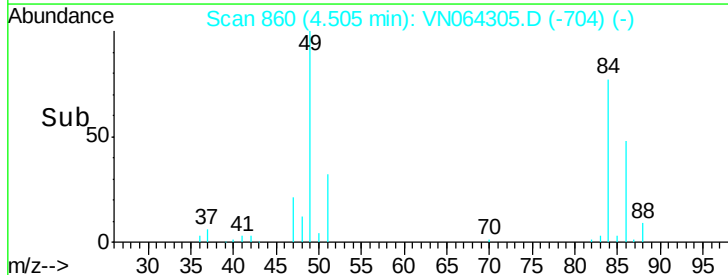
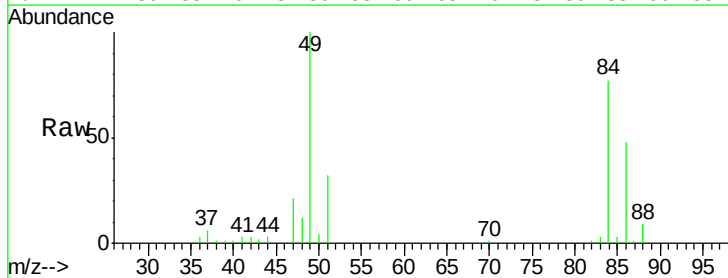
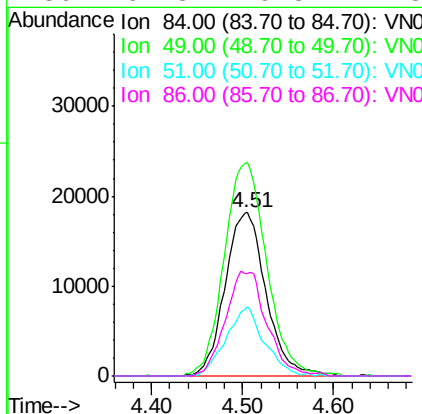
Manual Integrations
APPROVED

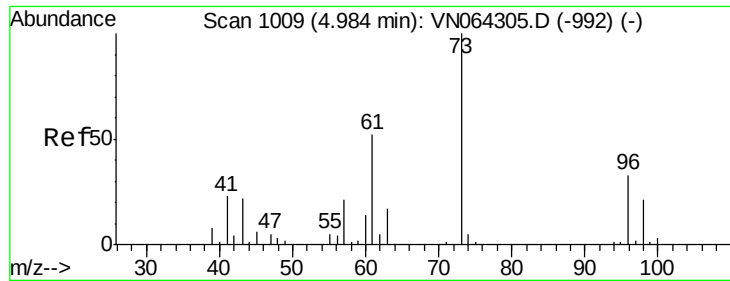
MMDadoda
10/27/2020 2:20:55 PM



#18
Methylene Chloride
Concen: 18.880 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion:	84	Resp:	56900
Ion	Ratio	Lower	Upper
84	100		
49	128.9	103.1	154.7
51	42.3	33.8	50.8
86	62.3	49.8	74.8





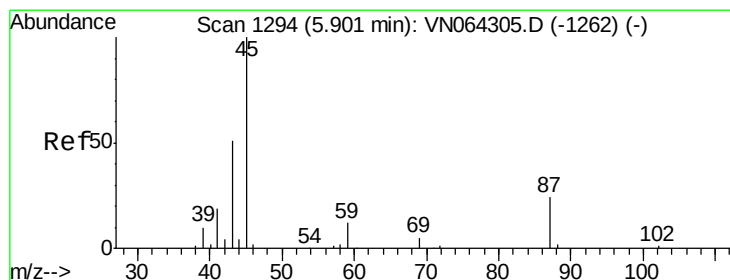
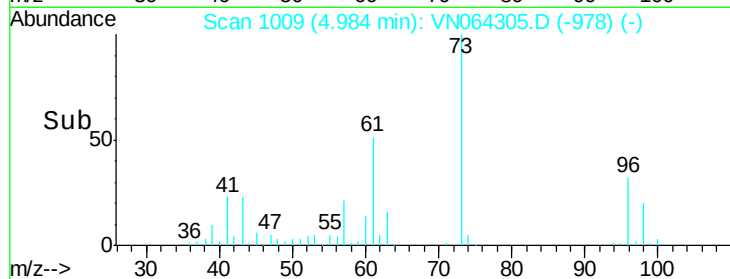
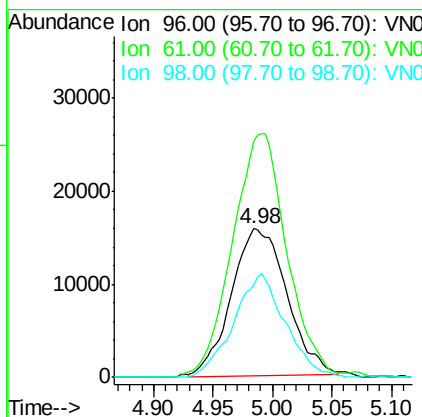
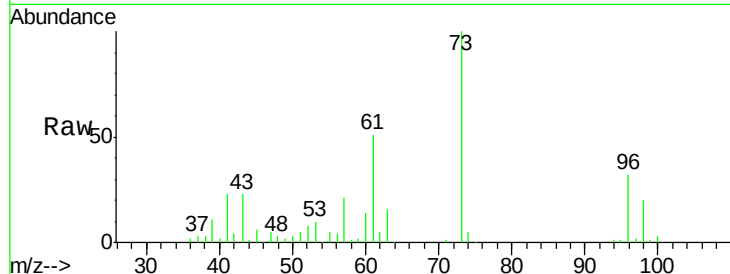
#19
trans-1,2-Dichloroethene
Concen: 17.852 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.6	126.9	190.3
98	63.3	50.6	76.0

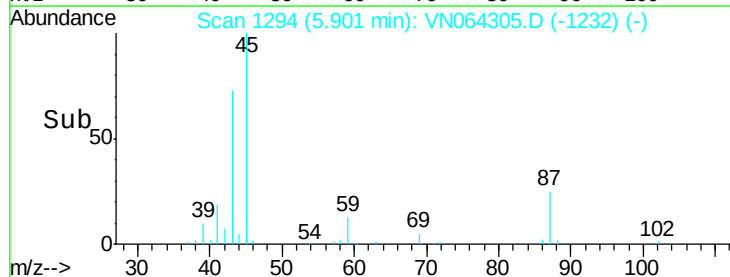
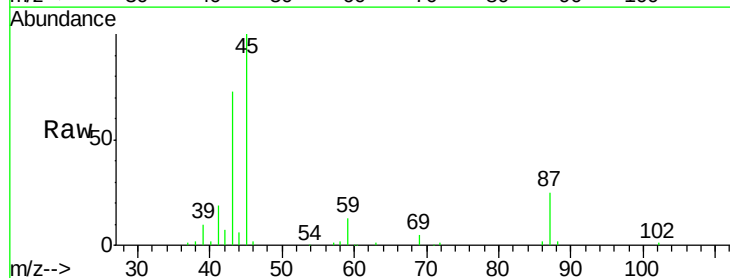
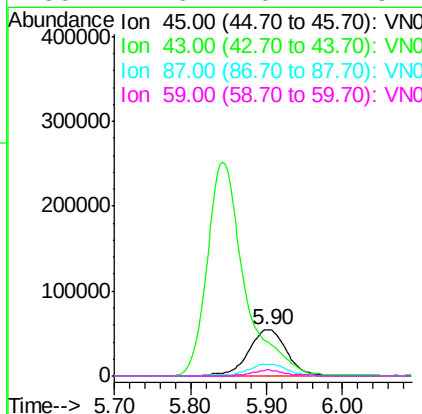
Manual Integrations
APPROVED

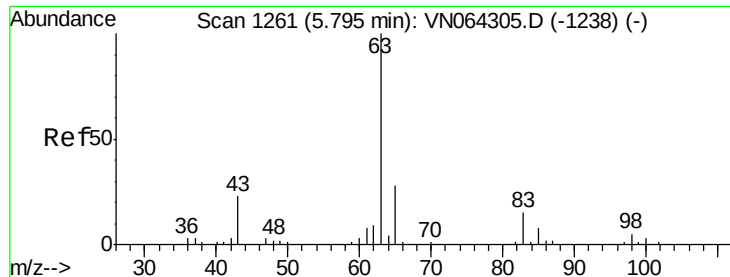
MMDadoda
10/27/2020 2:20:55 PM



#20
Diisopropyl ether
Concen: 20.168 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.8	56.6	85.0
87	25.4	20.3	30.5
59	12.6	10.1	15.1





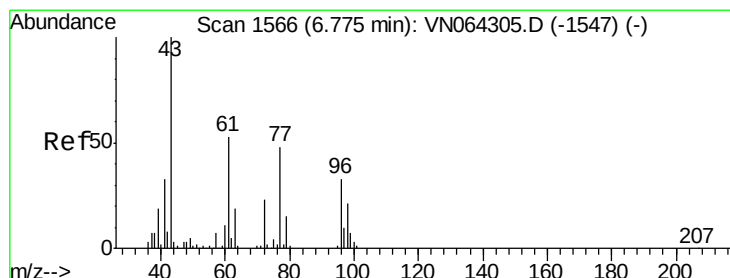
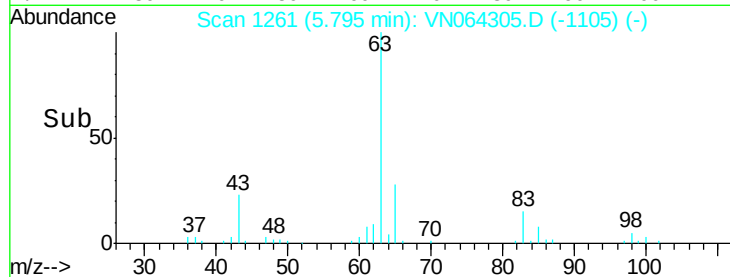
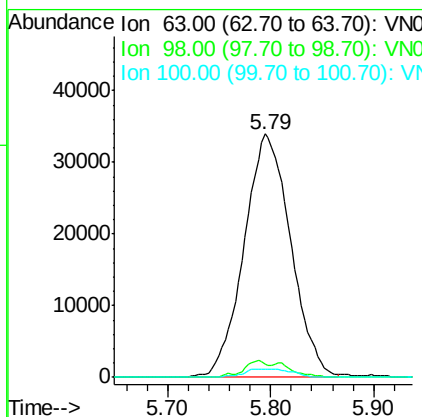
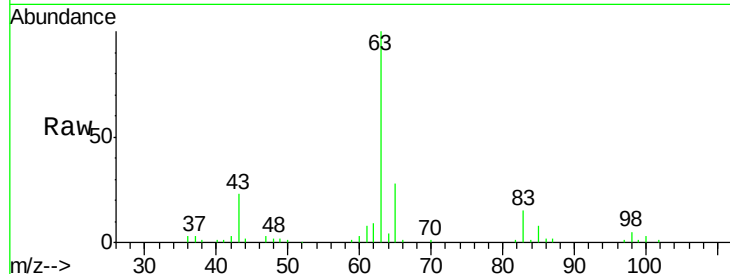
#21
 1,1-Dichloroethane
 Concen: 19.132 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	5.3	2.6	8.0
100	3.2	1.6	4.8

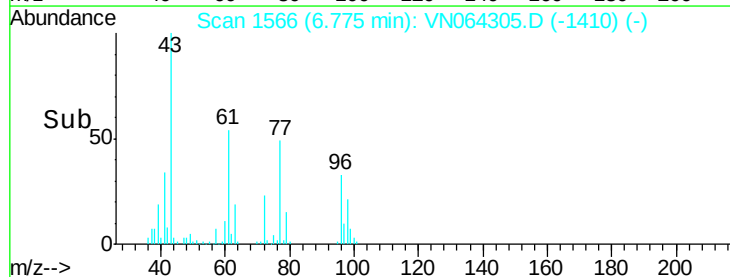
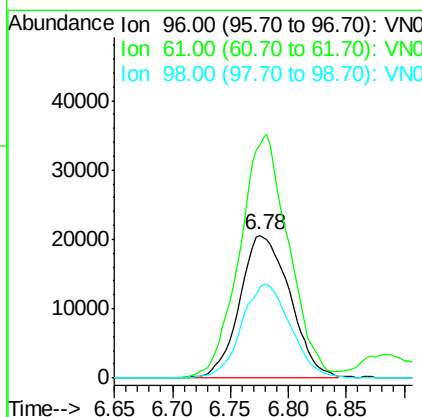
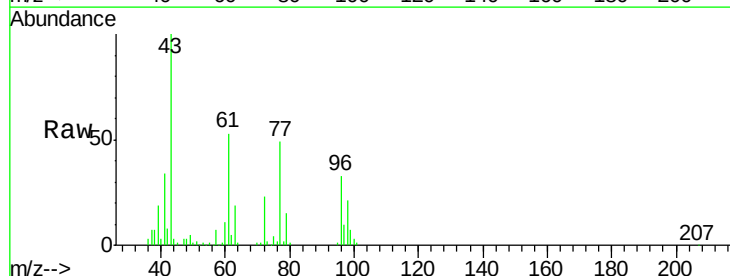
Manual Integrations
 APPROVED

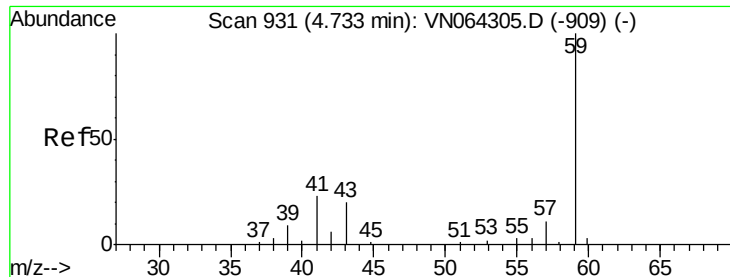
MMDadoda
 10/27/2020 2:20:55 PM



#22
 cis-1,2-Dichloroethene
 Concen: 18.590 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	166.3	133.0	199.6
98	64.5	51.6	77.4





#23

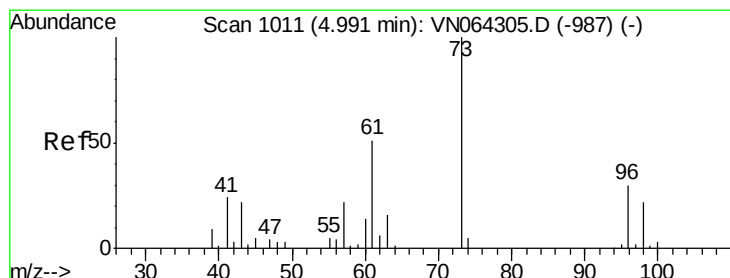
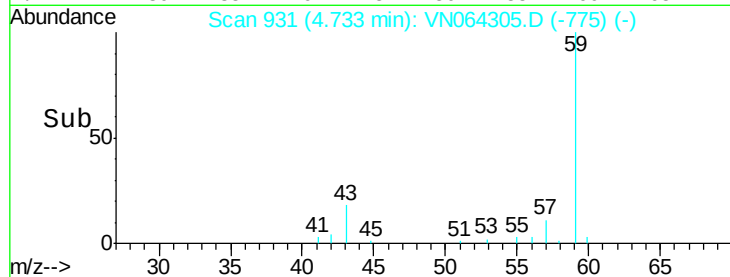
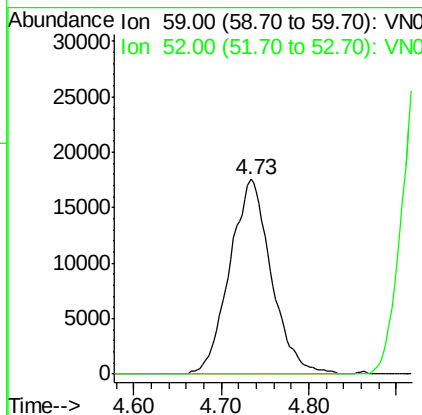
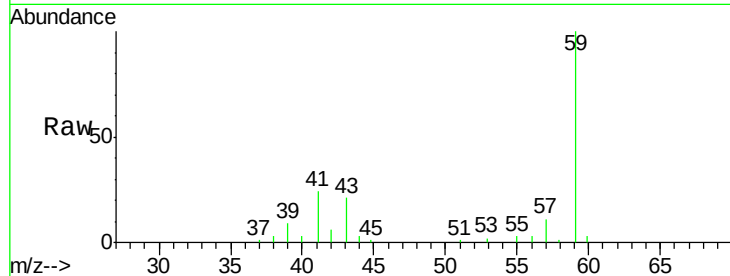
tert-Butyl Alcohol
 Concen: 104.647 ug/l
 RT: 4.73 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	59	52	Ratio	100	0.0	Resp:	57787	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp:	57787	Lower	Upper

Manual Integrations
 APPROVED

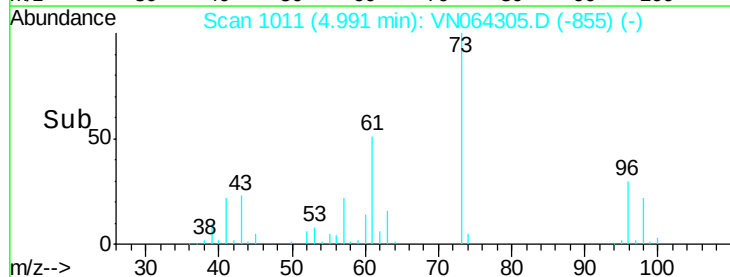
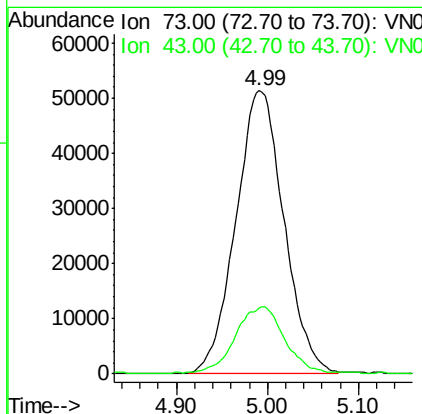
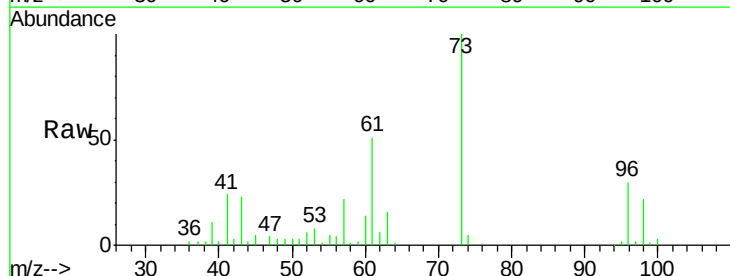
MMDadoda
 10/27/2020 2:20:55 PM

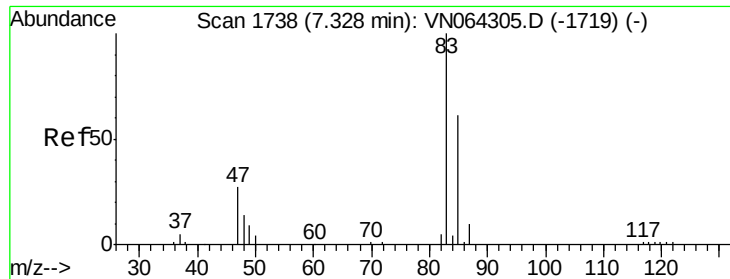


#24

Methyl tert-Butyl Ether
 Concen: 20.715 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Tgt Ion	73	43	Ratio	100	24.3	Resp:	188755	Lower	Upper
Ion	73	43	Ratio	100	24.3	Resp:	188755	Lower	Upper





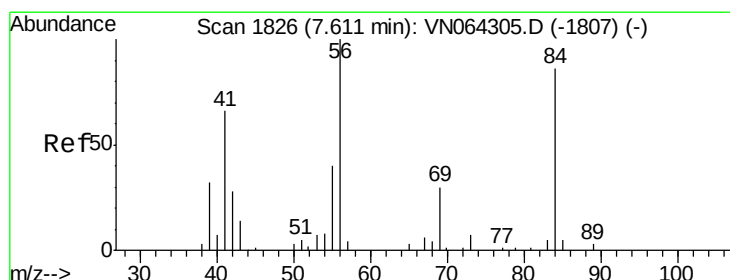
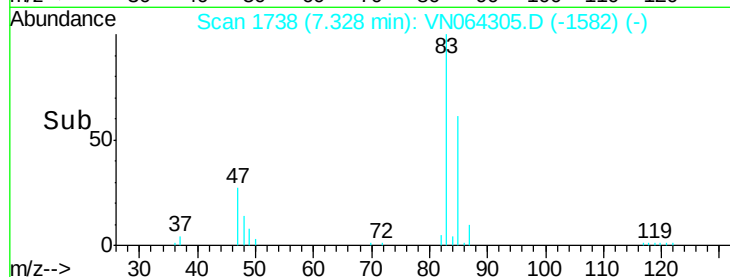
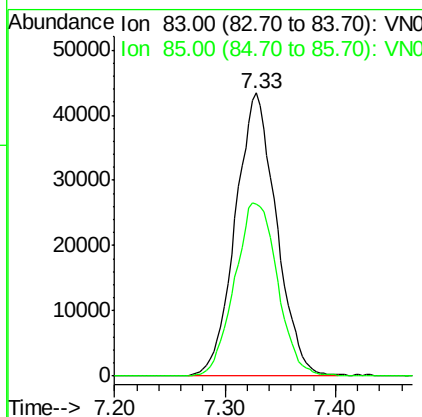
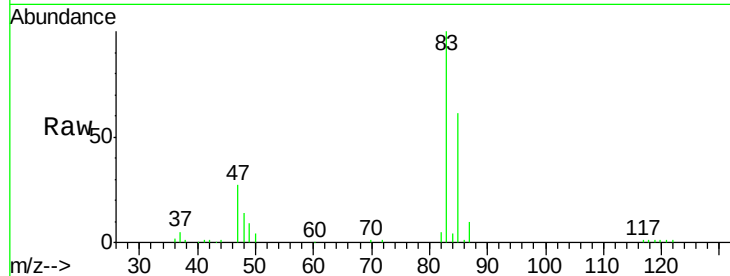
#25
Chloroform
Concen: 18.545 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 83 Resp: 111645
Ion Ratio Lower Upper
83 100
85 60.8 48.6 73.0

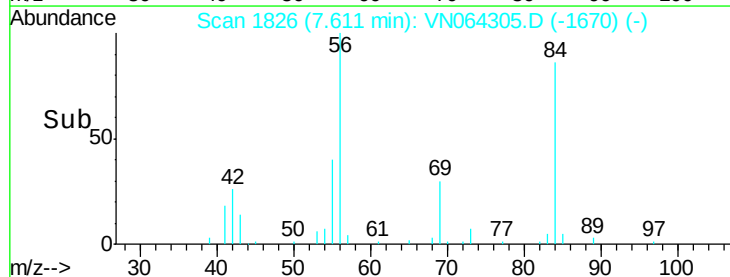
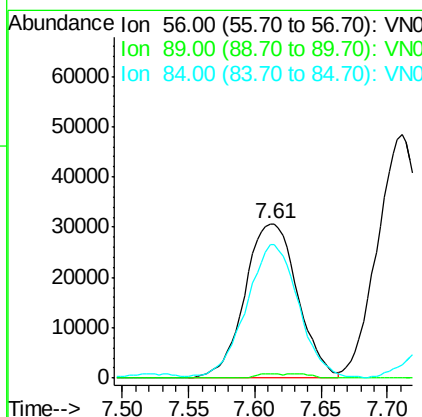
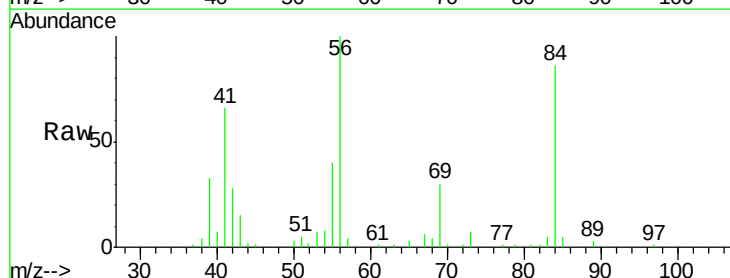
Manual Integrations
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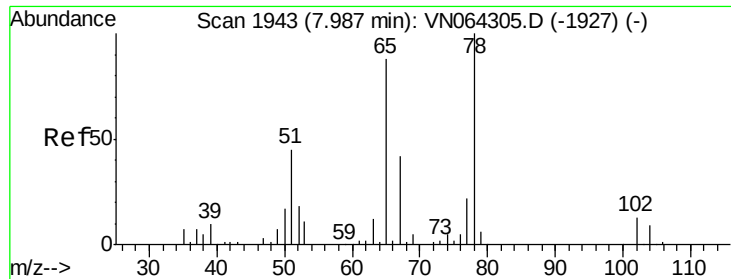
MMDadoda
10/27/2020 2:20:55 PM



#26
Cyclohexane
Concen: 19.590 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion: 56 Resp: 85135
Ion Ratio Lower Upper
56 100
89 1.3 1.0 1.6
84 84.4 67.5 101.3





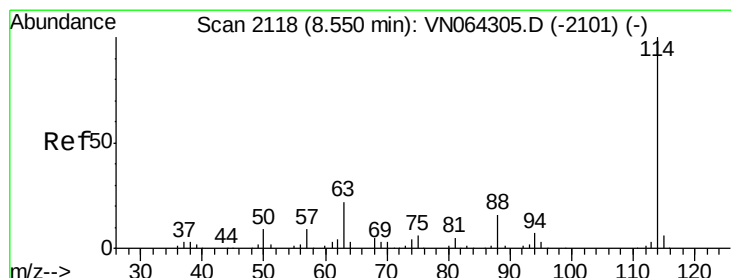
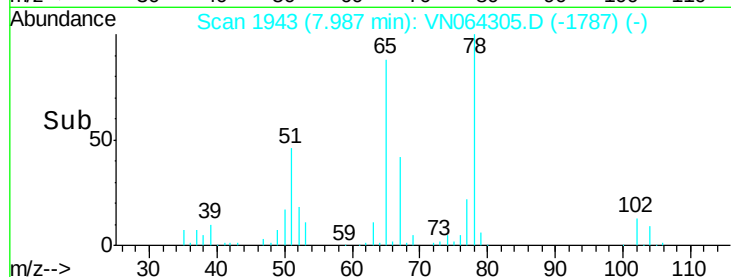
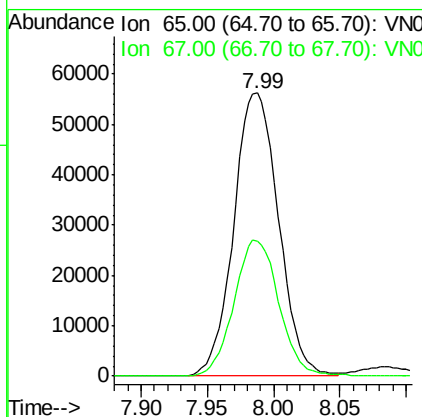
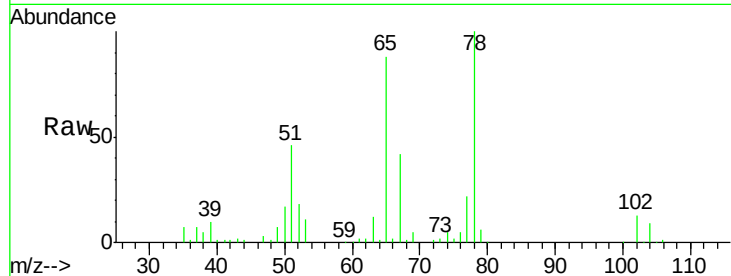
#27
 1,2-Dichloroethane-d4
 Concen: 31.952 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 65 Resp: 132075
 Ion Ratio Lower Upper
 65 100
 67 48.1 38.5 57.7

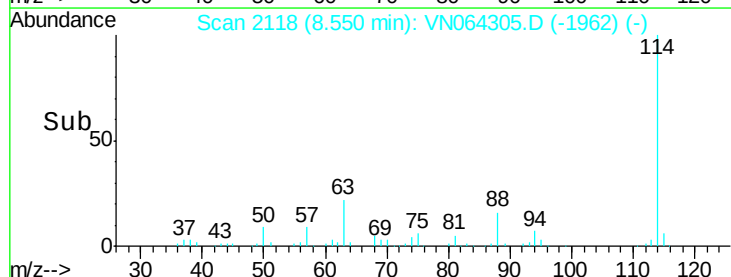
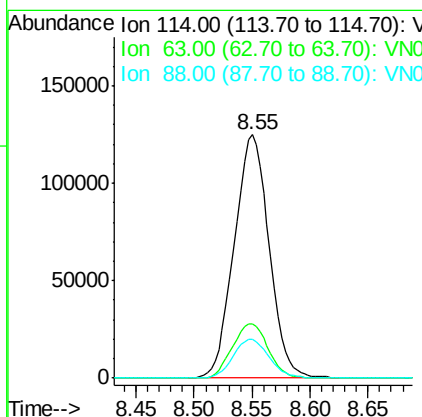
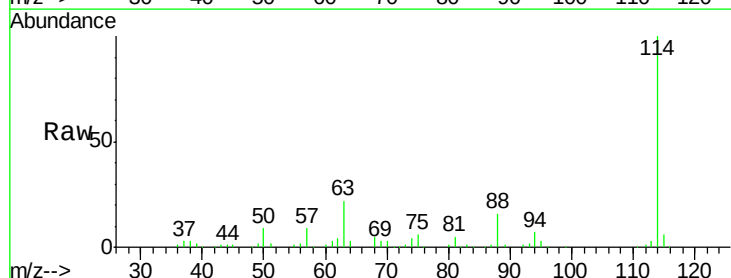
Manual Integrations
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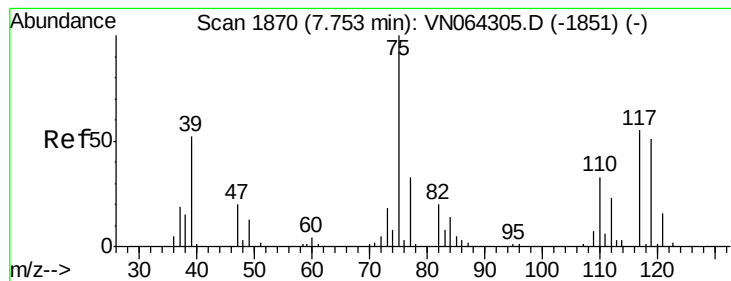
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Tgt Ion: 114 Resp: 260955
 Ion Ratio Lower Upper
 114 100
 63 22.9 18.3 27.5
 88 16.5 13.2 19.8





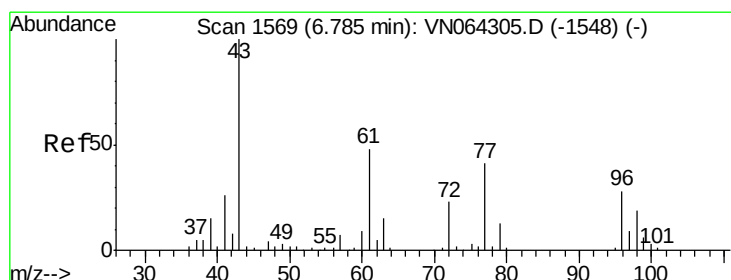
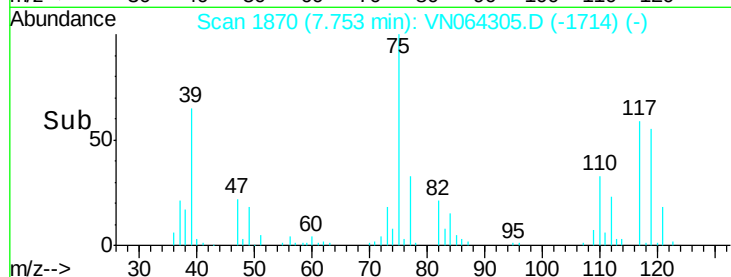
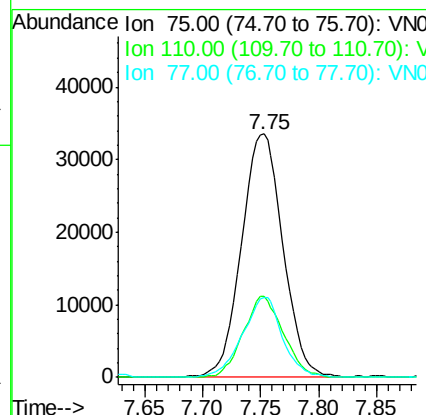
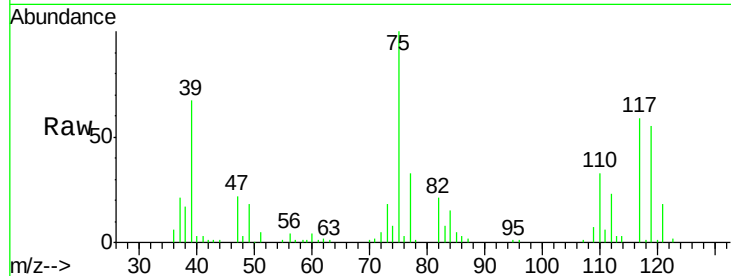
#29
 1,1-Dichloropropene
 Concen: 18.867 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.2	0.0	64.4
77	31.8	0.0	63.6

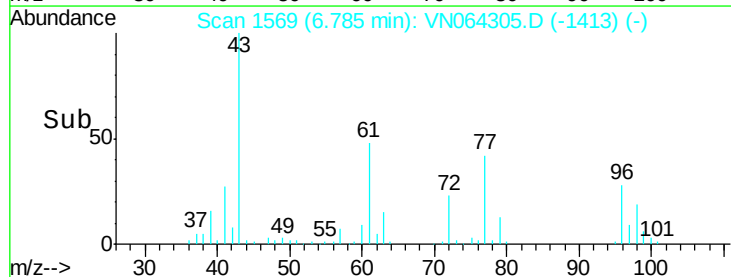
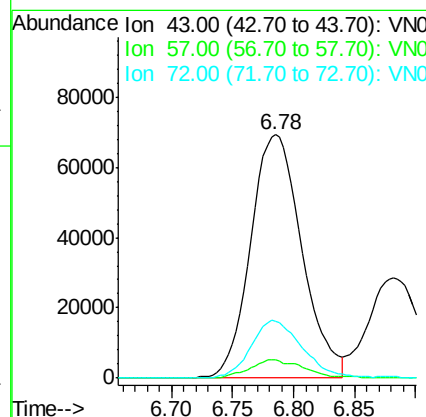
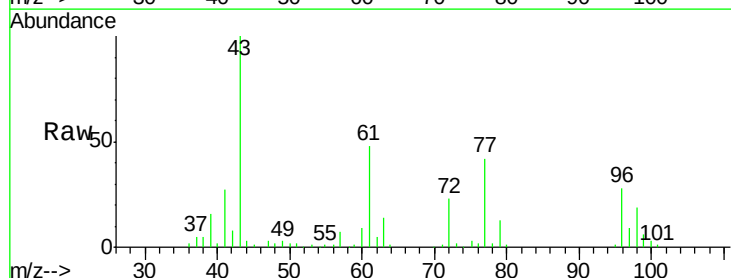
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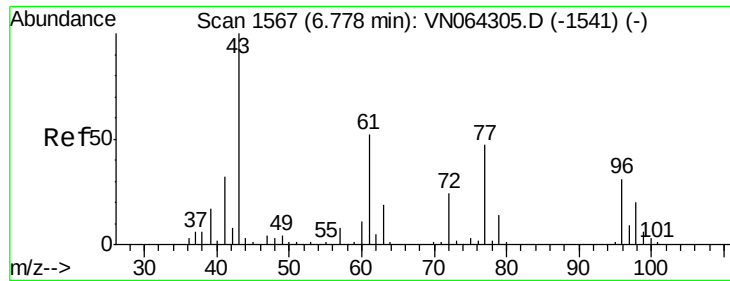
MMDadoda
 10/27/2020 2:20:55 PM



#30
 2-Butanone
 Concen: 101.598 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Tgt Ion	Ratio	Lower	Upper
43	100		
57	5.1	4.1	6.1
72	23.8	19.0	28.6





#31

2,2-Dichloropropane

Concen: 18.598 ug/l m

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 77 Resp: 102011

Ion Ratio Lower Upper

77 100

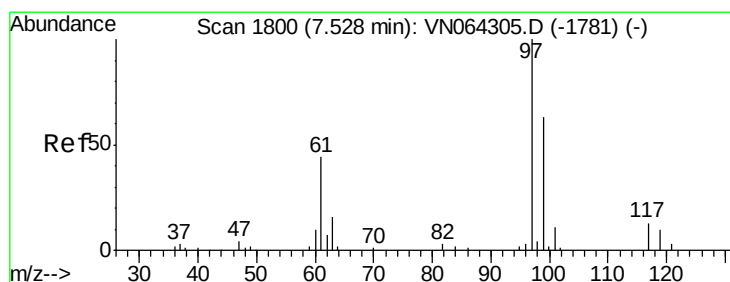
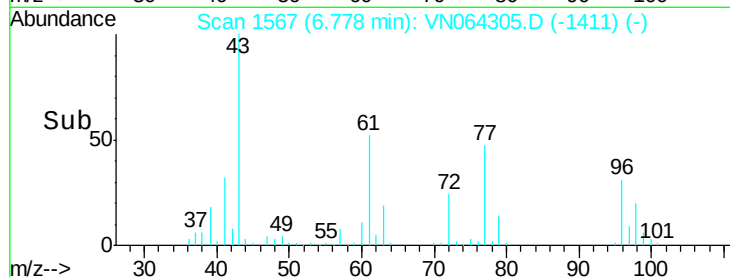
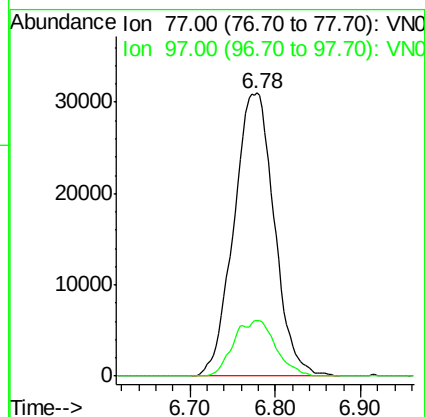
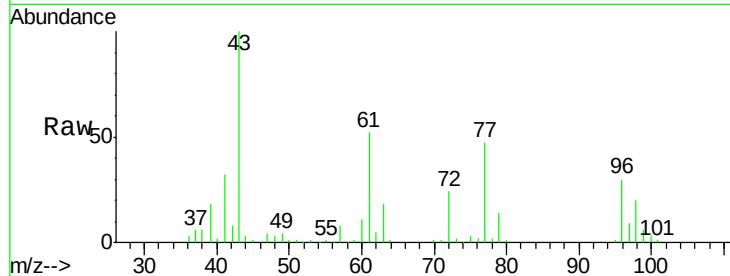
97 7.3 5.8 8.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 18.791 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

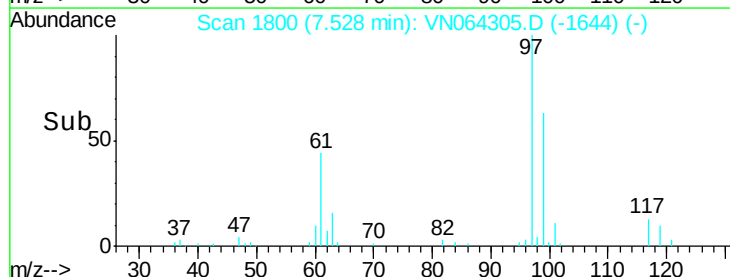
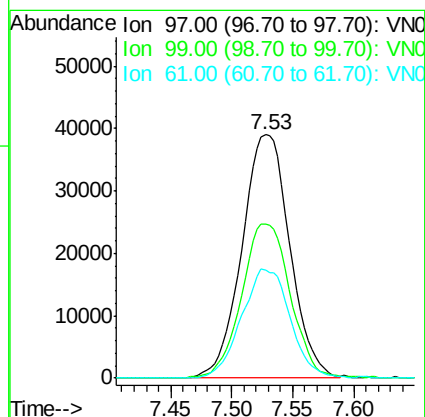
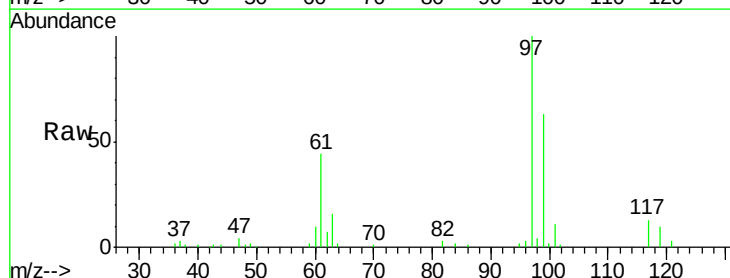
Tgt Ion: 97 Resp: 106039

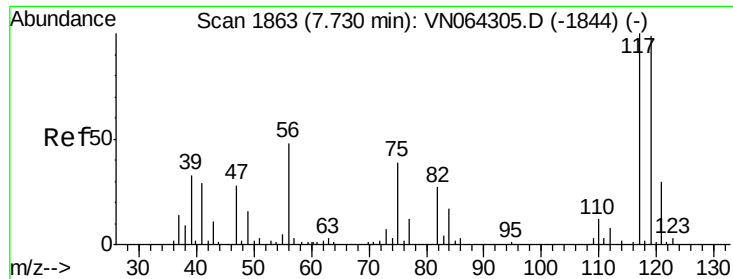
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 45.5 36.4 54.6





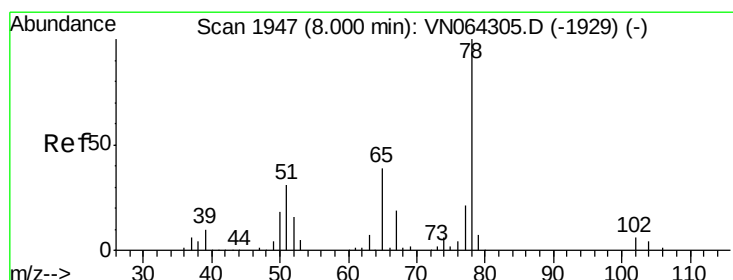
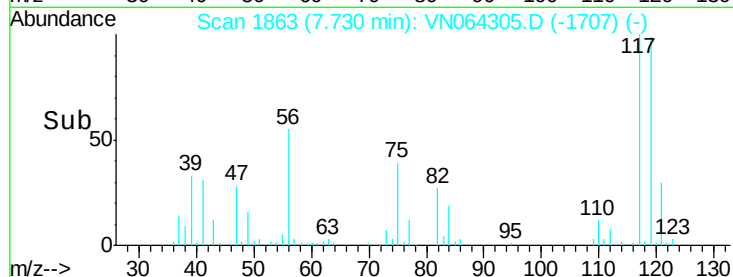
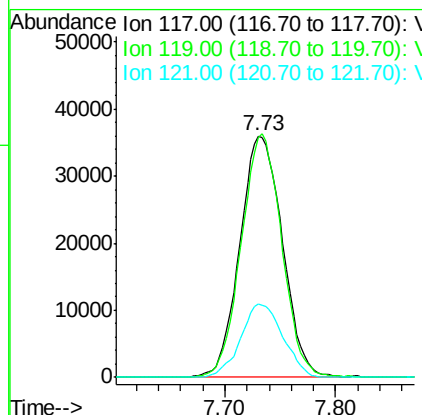
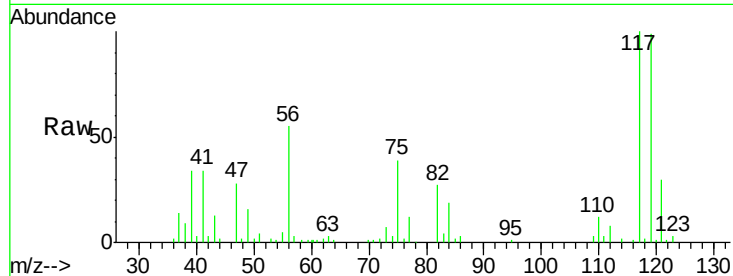
#33
Carbon Tetrachloride
Concen: 19.008 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.1	79.3	118.9
121	30.8	24.6	37.0

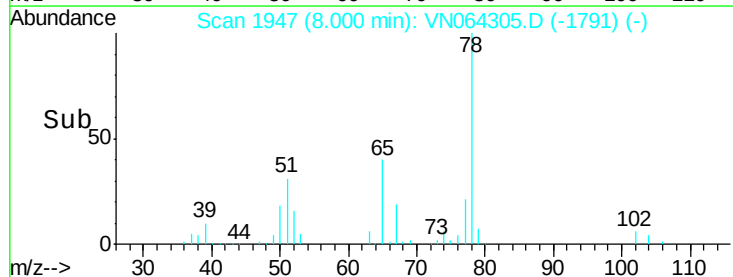
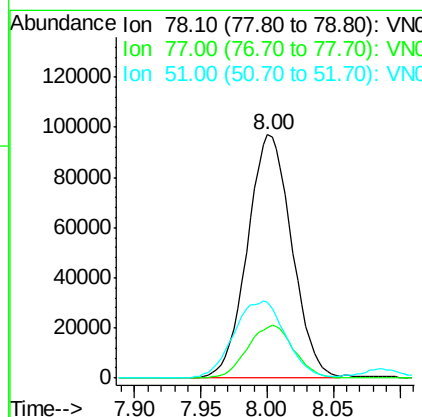
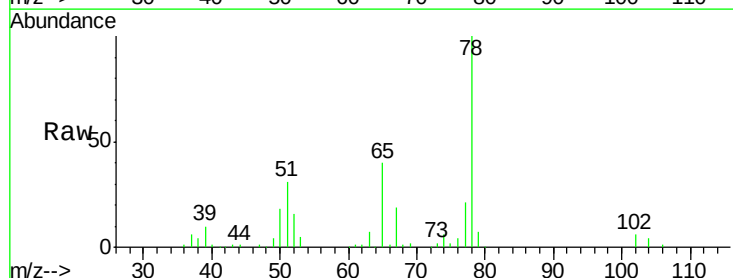
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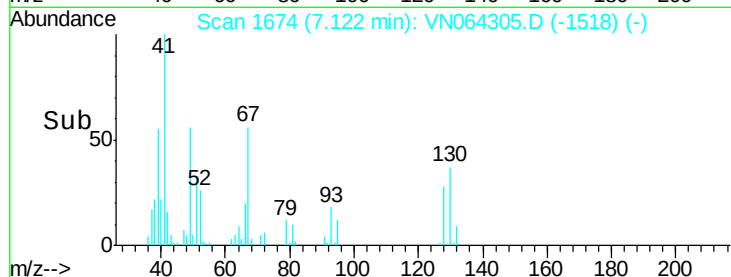
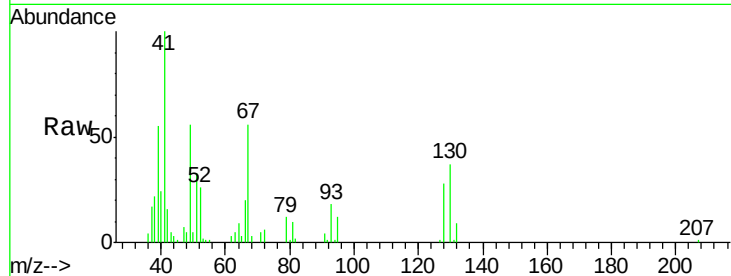
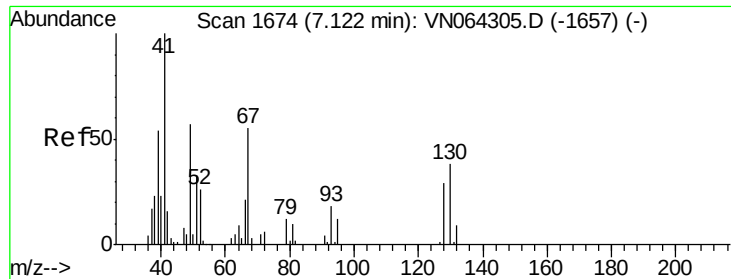
MMDadoda
10/27/2020 2:20:55 PM



#34
Benzene
Concen: 18.710 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

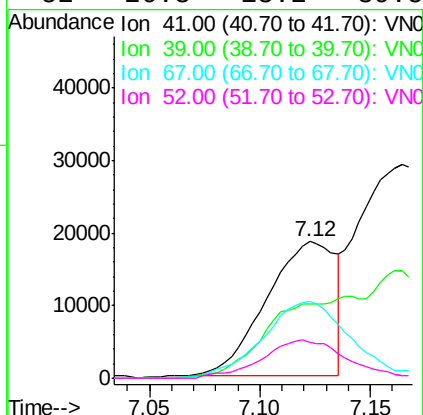
Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.6	16.5	24.7
51	30.6	24.5	36.7





#35
Methacrylonitrile
Concen: 20.275 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

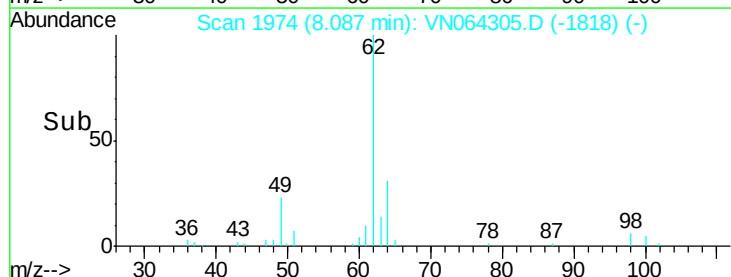
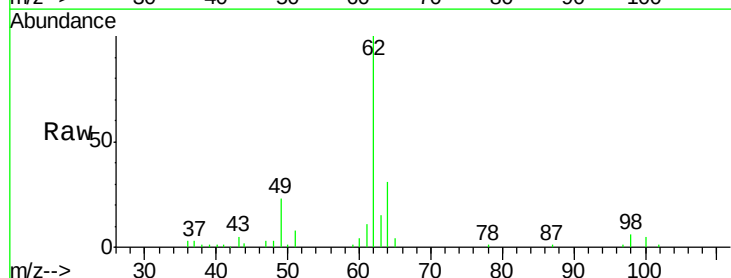
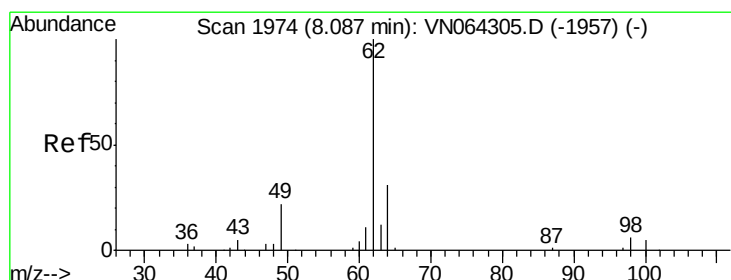
Tot Ion	Ion	Ratio	Lower	Upper
41	41.00 (40.70 to 41.70): VN0	100		
39	39.00 (38.70 to 39.70): VN0	54.1	27.1	81.2
67	67.00 (66.70 to 67.70): VN0	55.4	27.7	83.1
52	52.00 (51.70 to 52.70): VN0	26.3	13.2	39.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

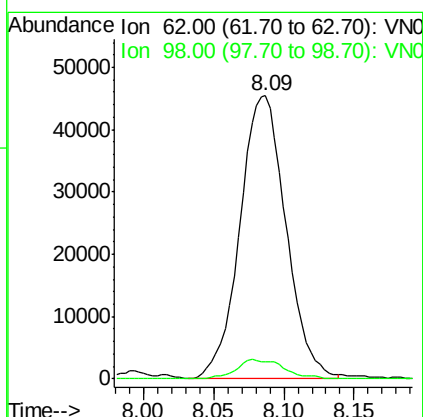
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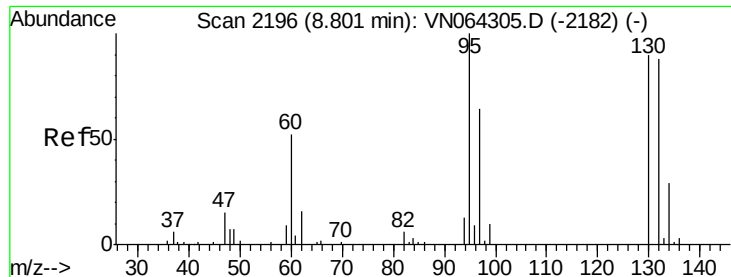
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.888 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	62.00 (61.70 to 62.70): VN0	100		
98	98.00 (97.70 to 98.70): VN0	4.2	3.4	5.0





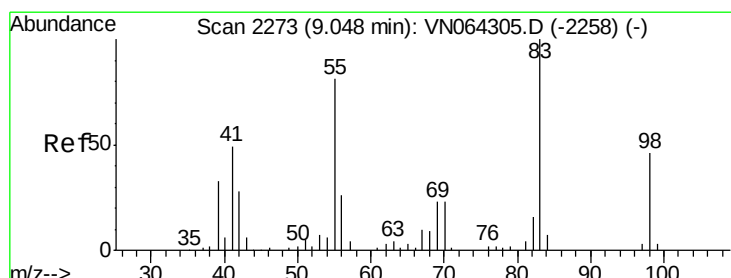
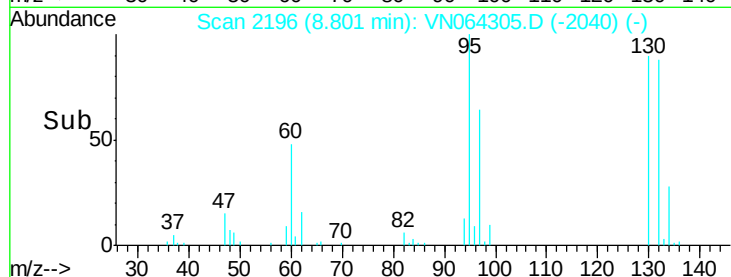
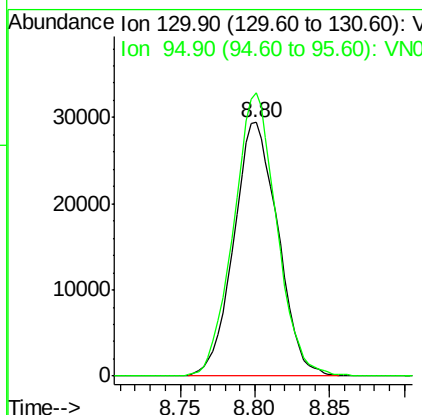
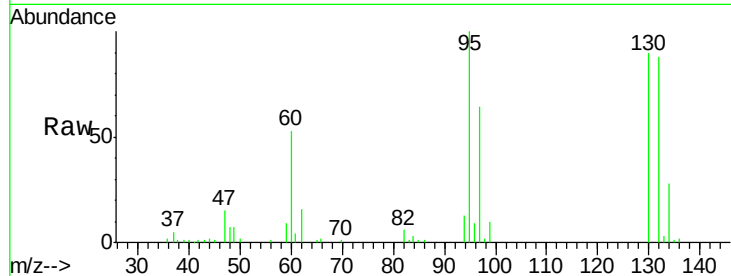
#37
 Trichloroethene
 Concen: 18.374 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 60564
 Ion Ratio Lower Upper
 130 100
 95 111.0 88.8 133.2

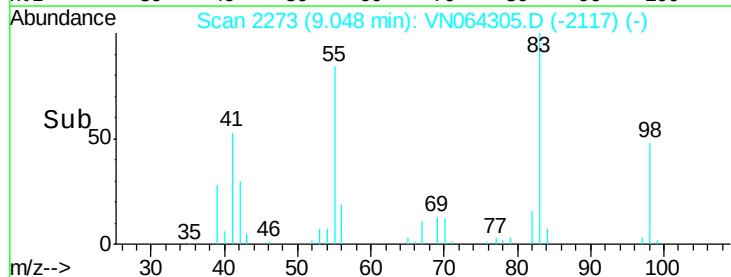
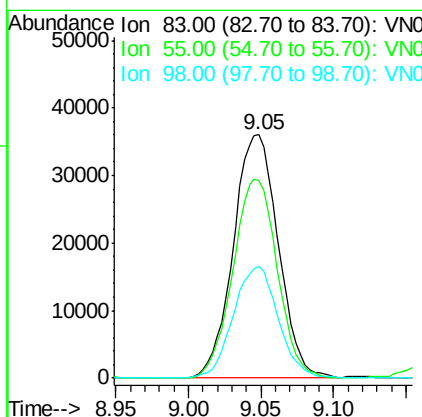
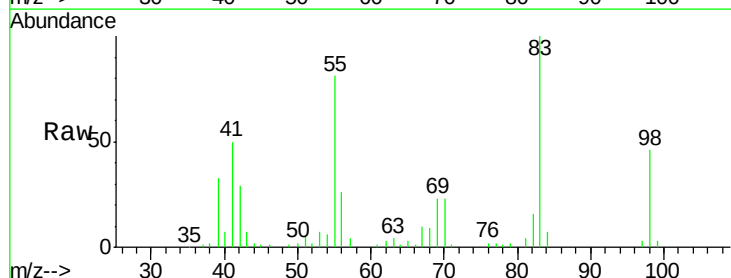
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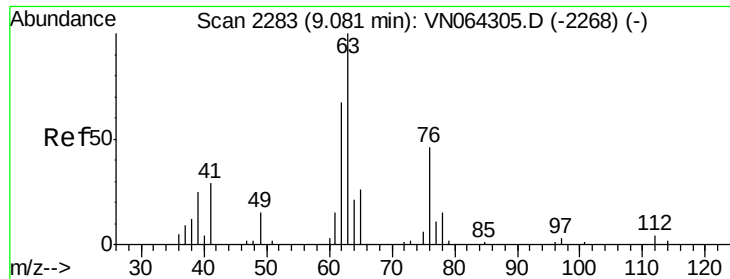
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#38
 Methylcyclohexane
 Concen: 19.188 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Tgt Ion: 83 Resp: 77828
 Ion Ratio Lower Upper
 83 100
 55 80.5 40.3 120.8
 98 45.5 22.8 68.3





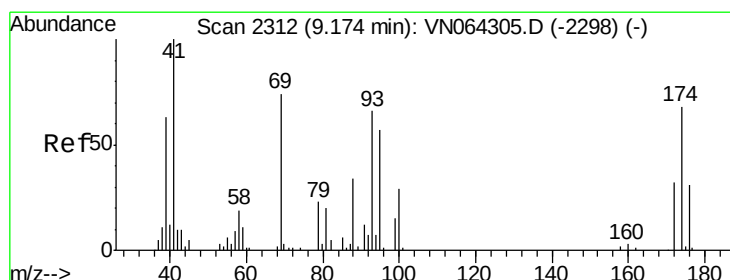
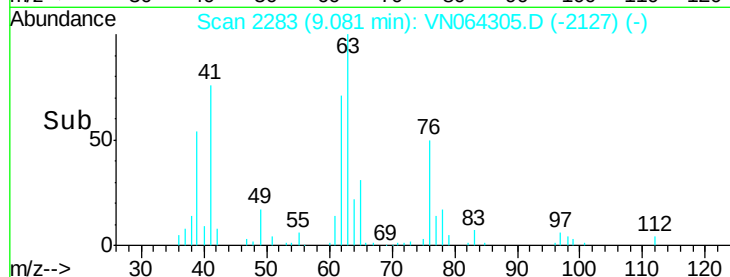
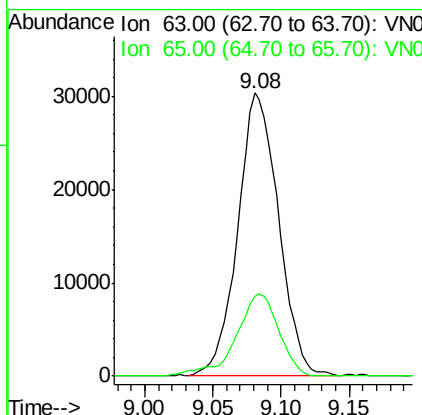
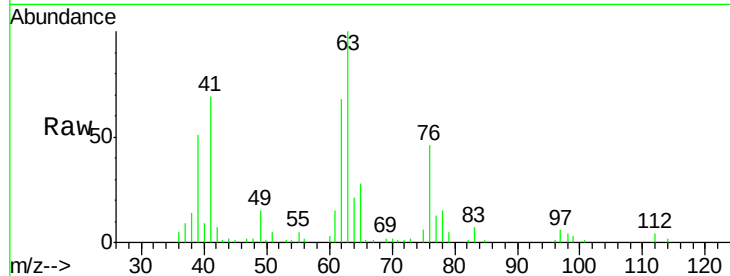
#39
 1,2-Dichloropropane
 Concen: 19.370 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 63 Resp: 63040
 Ion Ratio Lower Upper
 63 100
 65 28.2 22.6 33.8

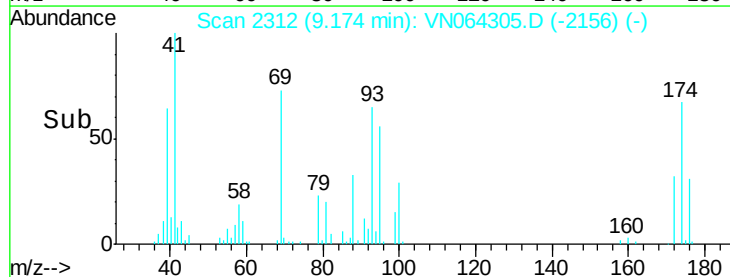
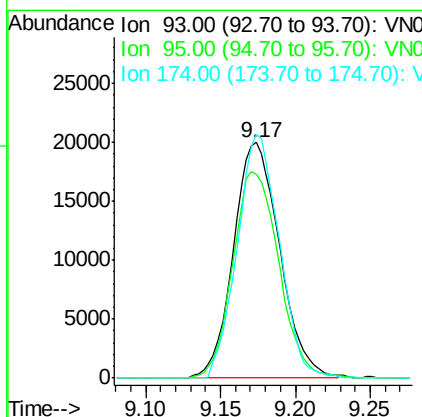
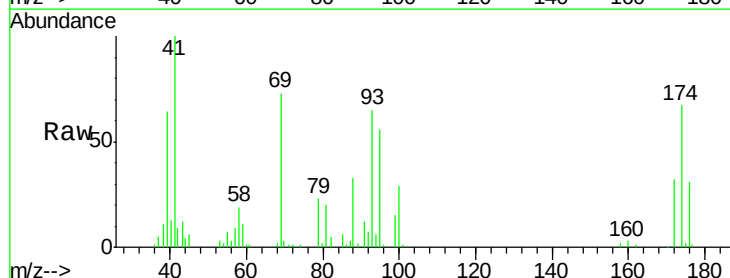
Manual Integrations
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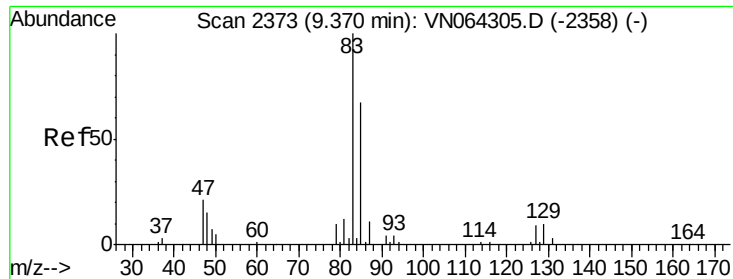
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 10/27/2020 2:20:55 PM



#40
 Dibromomethane
 Concen: 19.098 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Tgt Ion: 93 Resp: 43006
 Ion Ratio Lower Upper
 93 100
 95 87.2 0.0 174.4
 174 94.0 0.0 188.0





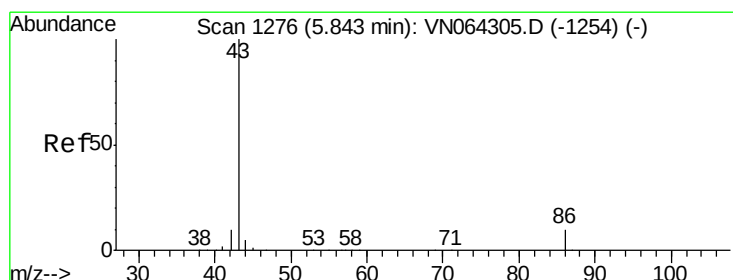
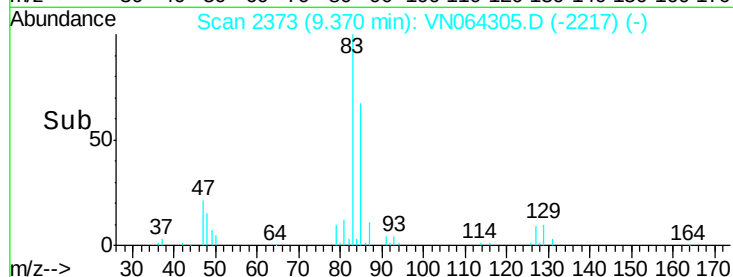
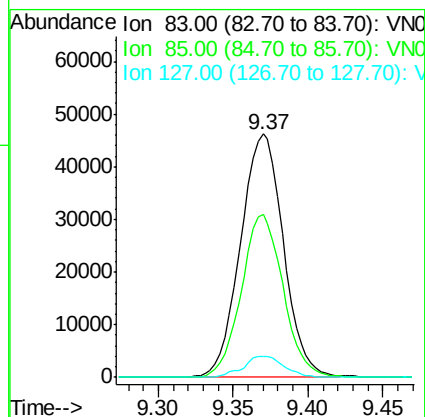
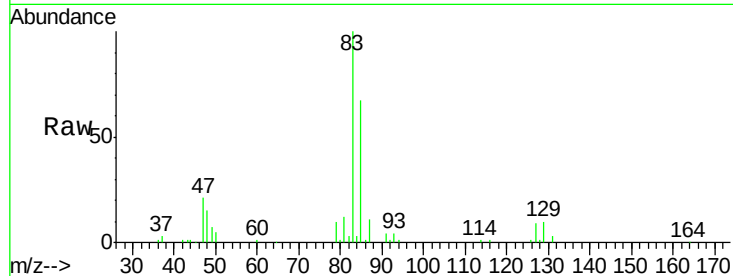
#41
Bromodichloromethane
Concen: 18.923 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	92262
Ion Ratio	100	Lower	Upper
83	100		
85	66.7	53.4	80.0
127	8.7	7.0	10.4

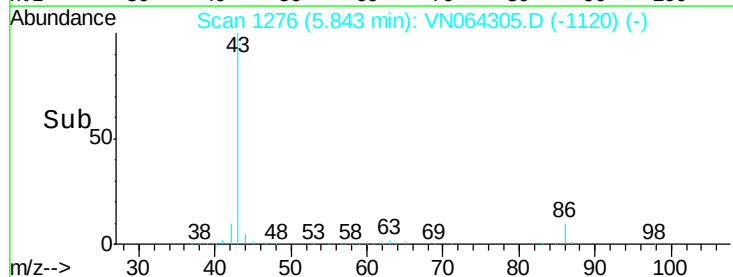
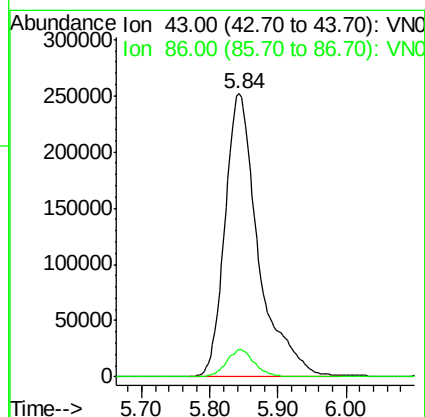
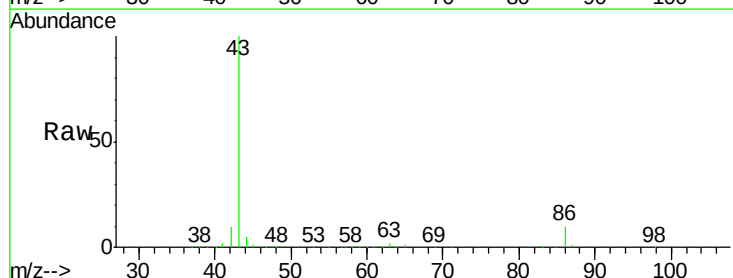
Manual Integrations
APPROVED

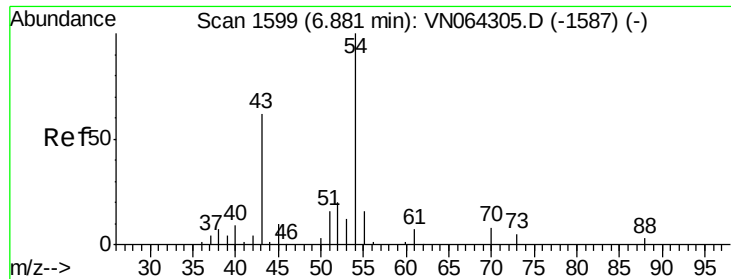
MMDadoda
10/27/2020 2:20:55 PM



#42
Vinyl Acetate
Concen: 99.022 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion	43	Resp	859060
Ion Ratio	100	Lower	Upper
43	100		
86	8.2	6.6	9.8





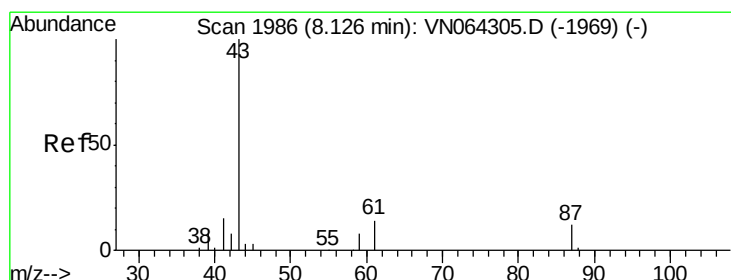
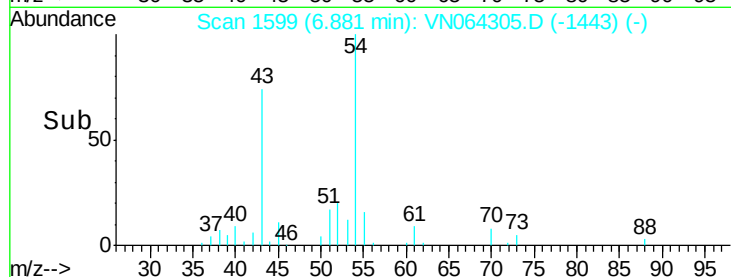
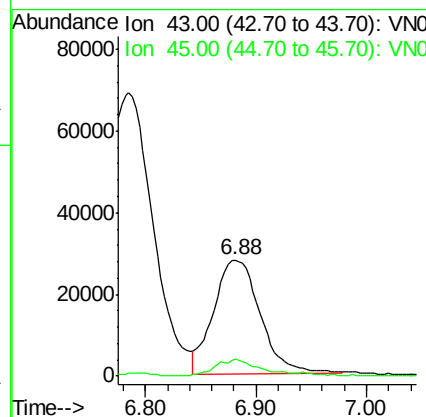
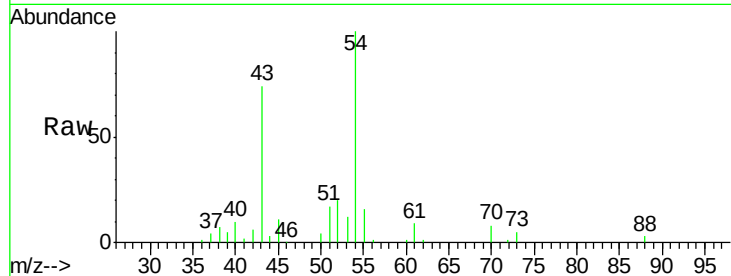
#43
Ethyl Acetate
Concen: 19.612 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 81909
Ion Ratio Lower Upper
43 100
45 5.0 4.0 6.0

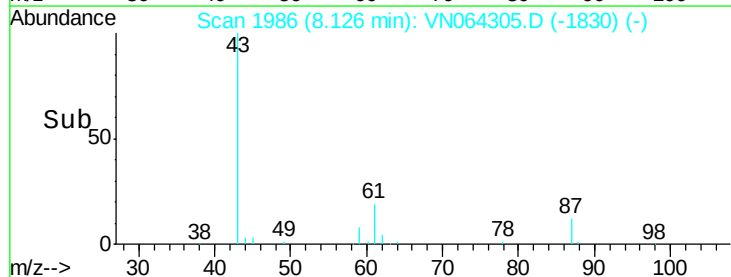
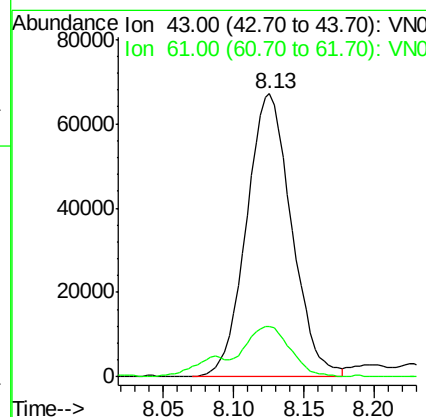
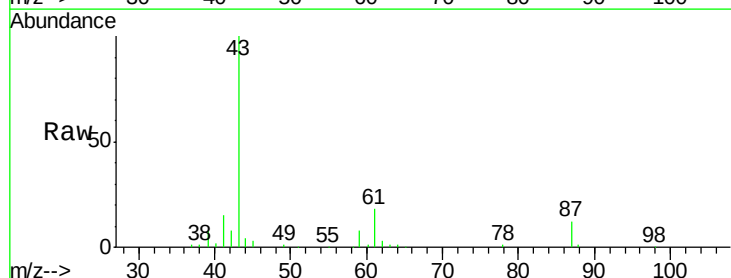
Manual Integrations
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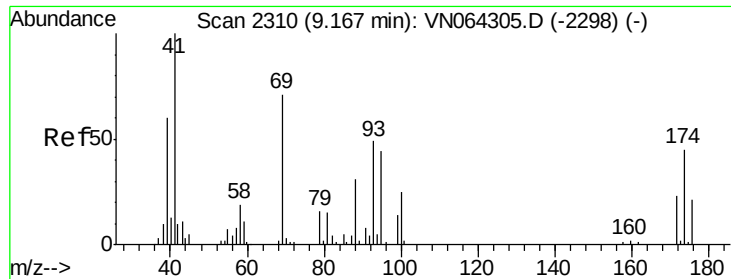
MMDadoda
10/27/2020 2:20:55 PM



#44
Isopropyl Acetate
Concen: 20.185 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion: 43 Resp: 150645
Ion Ratio Lower Upper
43 100
61 17.9 14.3 21.5





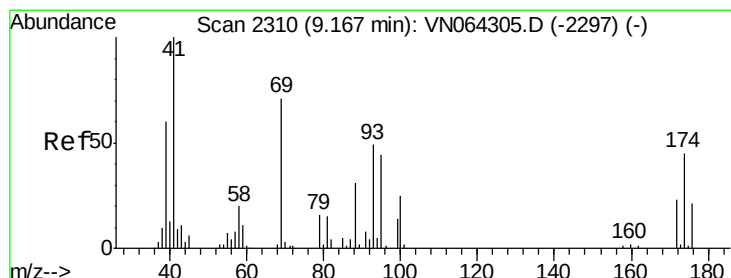
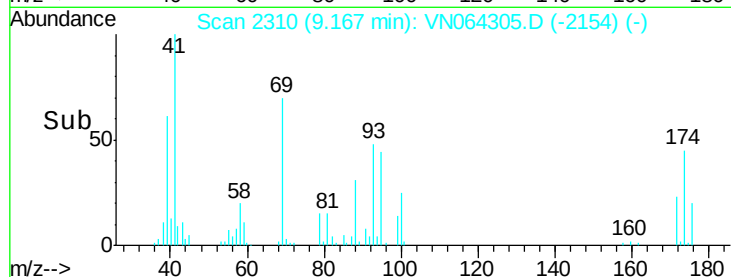
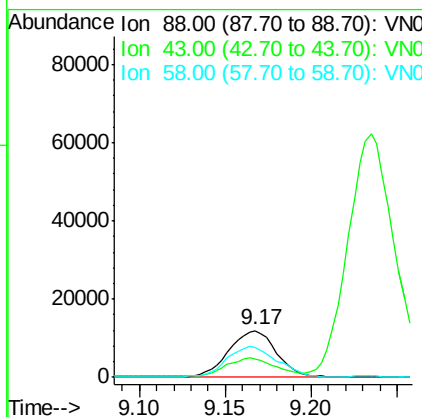
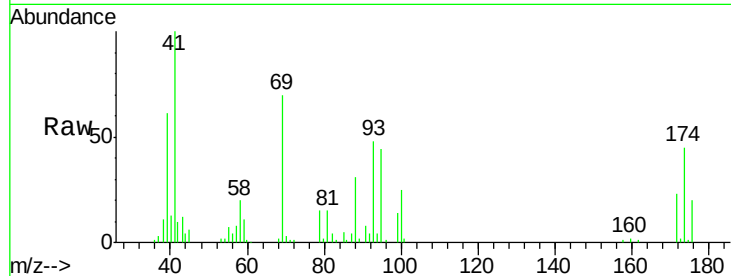
#45
 1,4-Dioxane
 Concen: 478.970 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	31.2	46.8
58	69.3	55.4	83.2

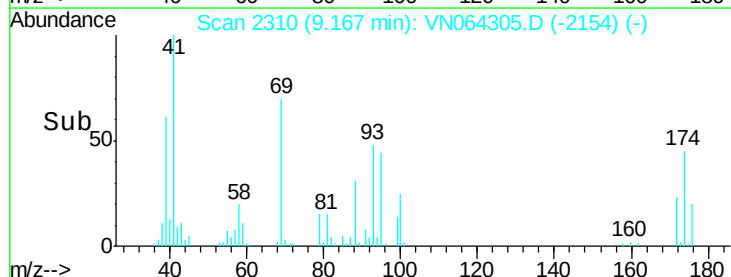
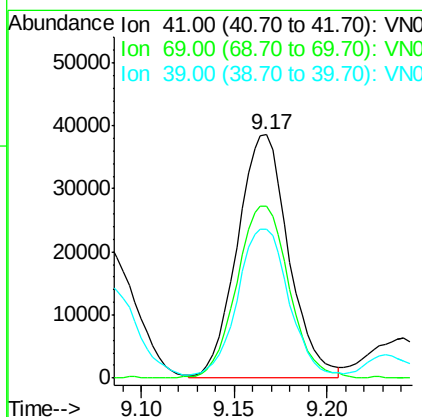
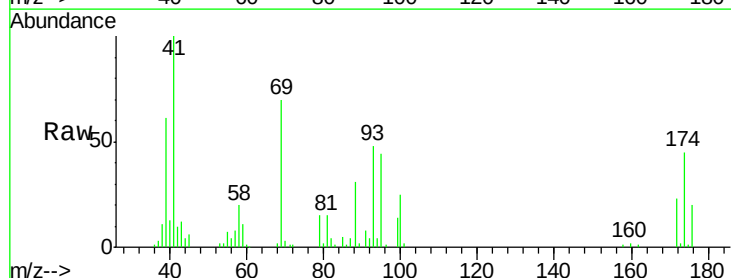
Manual Integrations
 APPROVED

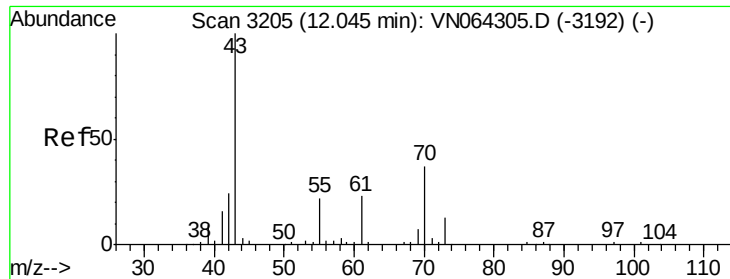
MMDadoda
 10/27/2020 2:20:55 PM



#46
 Methyl methacrylate
 Concen: 20.452 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	70.6	35.3	105.9
39	60.4	30.2	90.6





#47

n-amyl Acetate

Concen: 19.256 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 124464

Ion Ratio Lower Upper

43 100

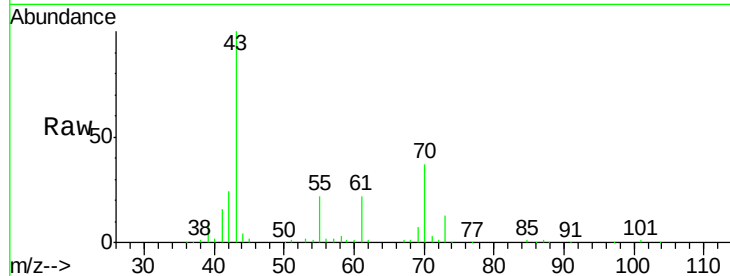
55 21.6 17.3 25.9

Manual Integrations

APPROVED

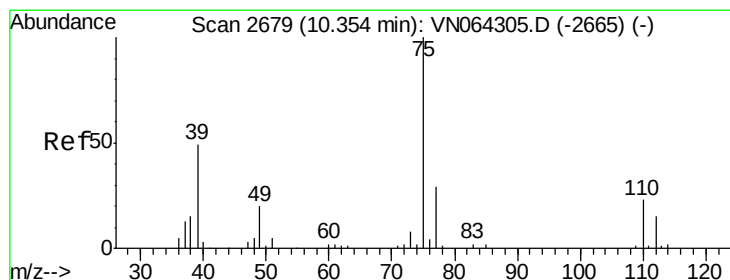
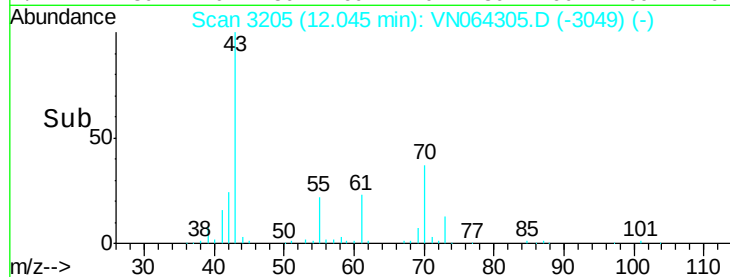
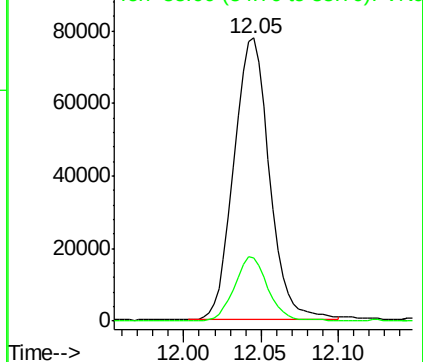
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 19.192 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN064305.D

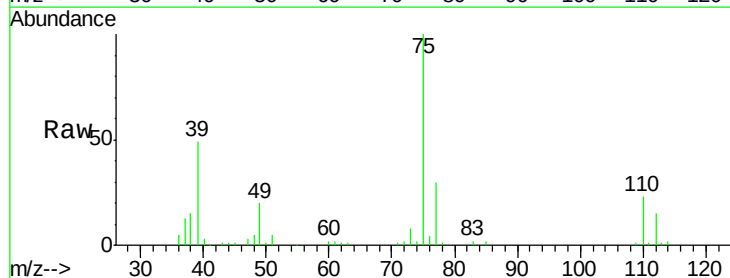
Acq: 26 Oct 2020 16:18

Tgt Ion: 75 Resp: 105156

Ion Ratio Lower Upper

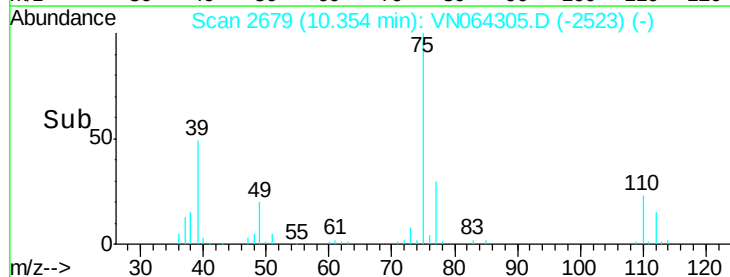
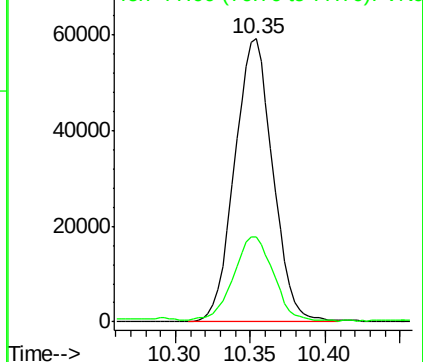
75 100

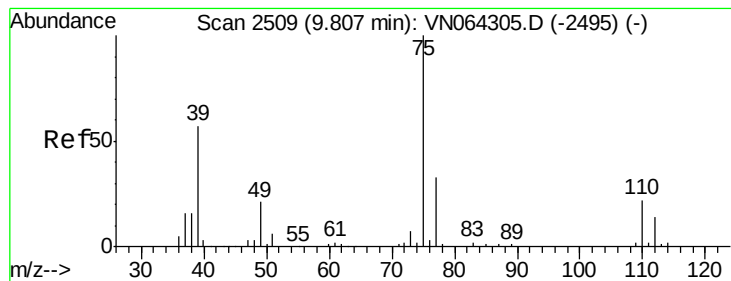
77 29.6 23.7 35.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

cis-1,3-Dichloropropene

Concen: 18.373 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 75 Resp: 104109

Ion Ratio Lower Upper

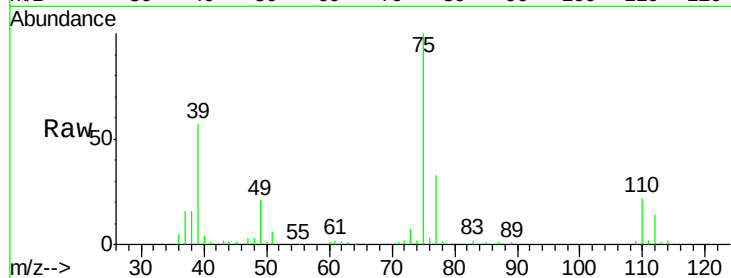
75 100

77 33.4 26.7 40.1

39 57.4 45.9 68.9

Manual Integrations
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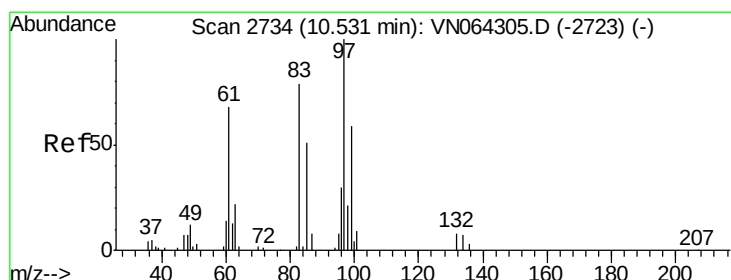
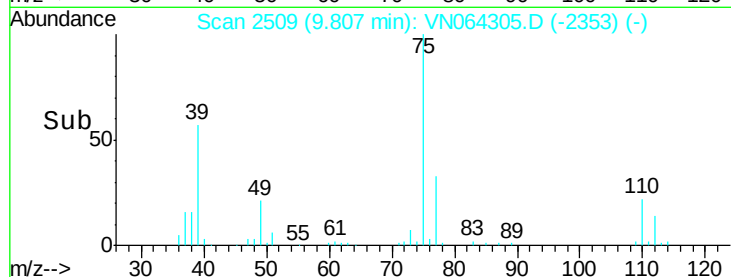
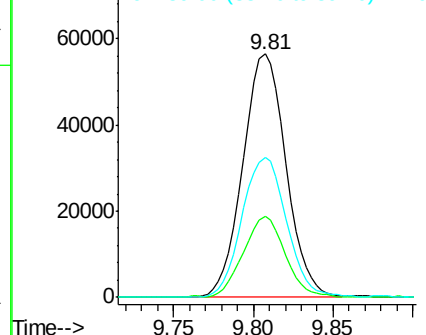
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Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 19.562 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Tgt Ion: 97 Resp: 58884

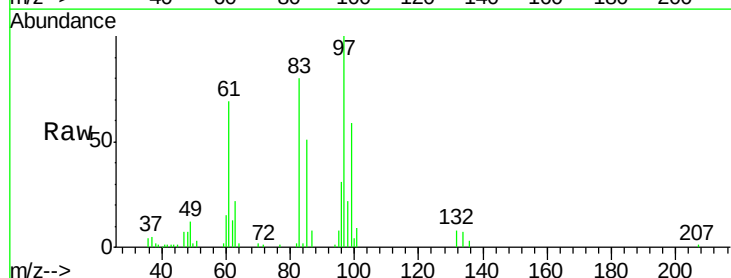
Ion Ratio Lower Upper

97 100

83 79.0 63.2 94.8

85 51.3 41.0 61.6

99 59.2 47.4 71.0

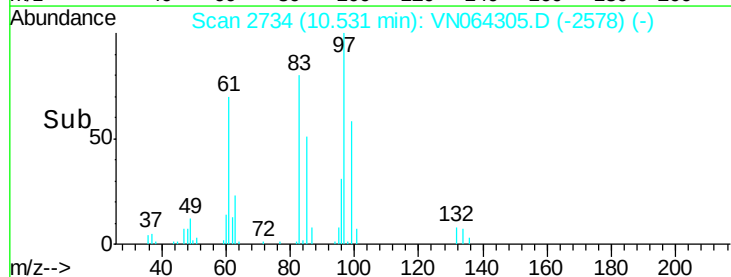
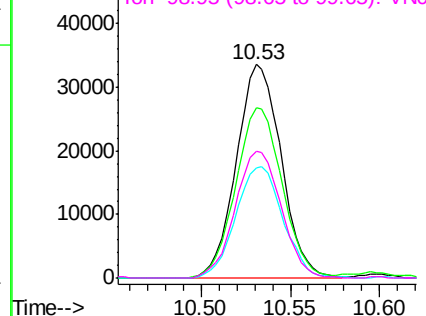


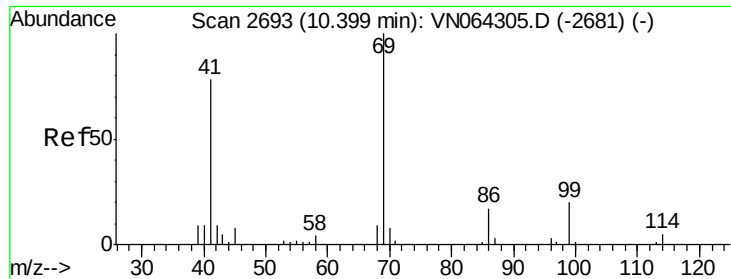
Abundance Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.120 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

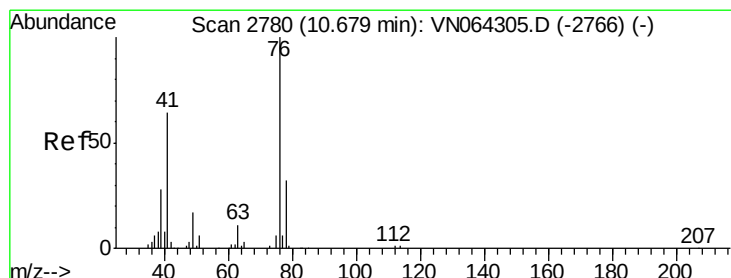
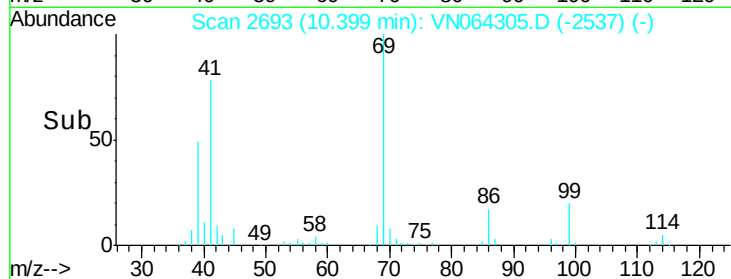
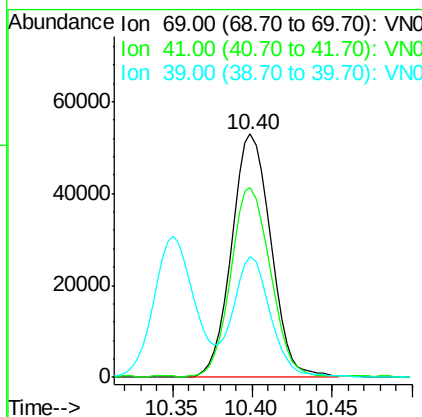
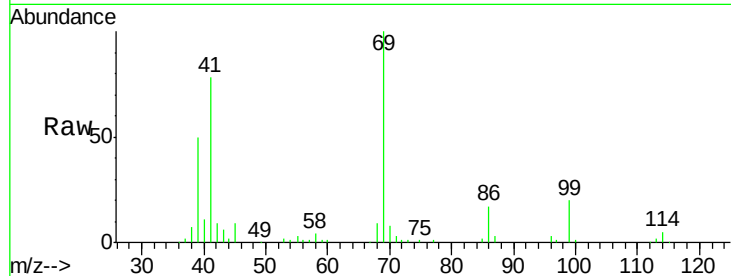
VSTDICCC020

Tot Ion: 69 Resp: 88589

Ion	Ratio	Lower	Upper
69	100		
41	77.6	38.8	116.4
39	49.3	24.6	74.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.377 ug/l

RT: 10.68 min Scan# 2780

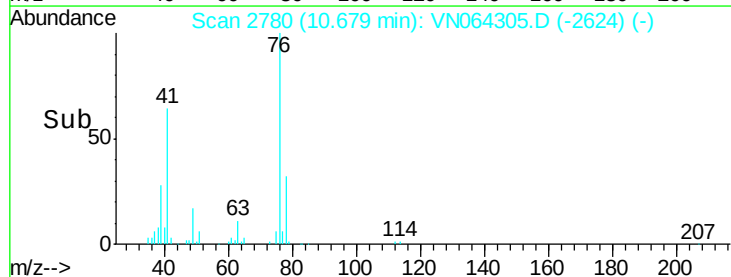
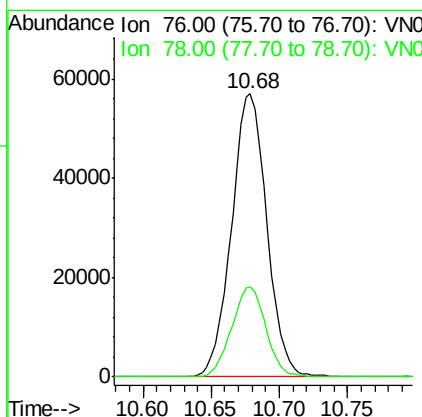
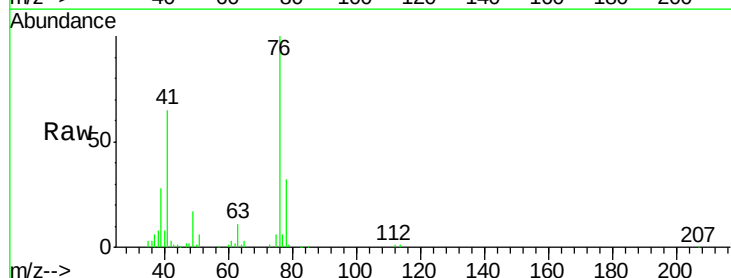
Delta R.T. 0.00 min

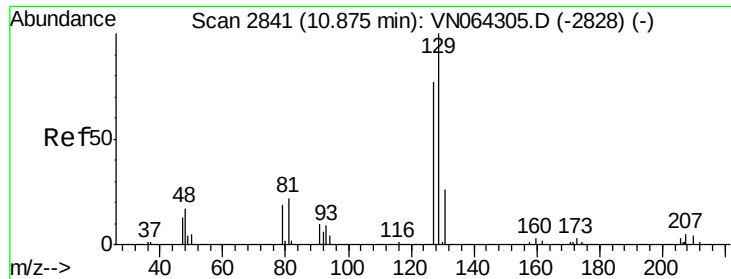
Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Tgt Ion: 76 Resp: 102482

Ion	Ratio	Lower	Upper
76	100		
78	30.8	0.0	61.6





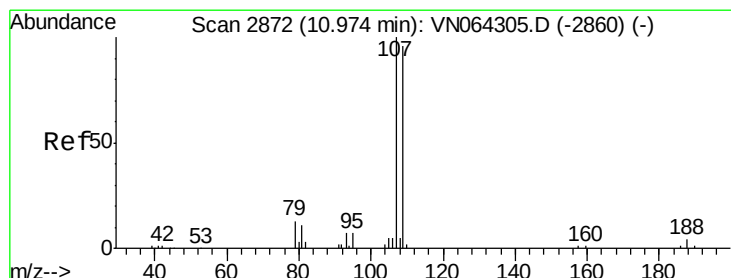
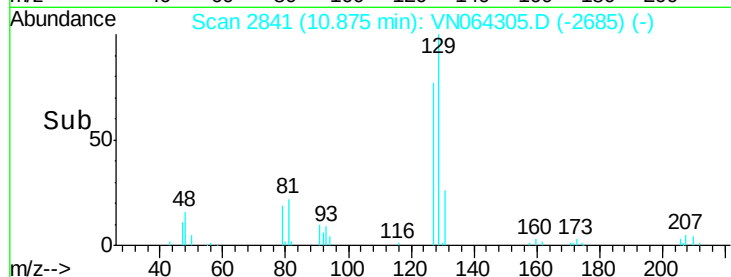
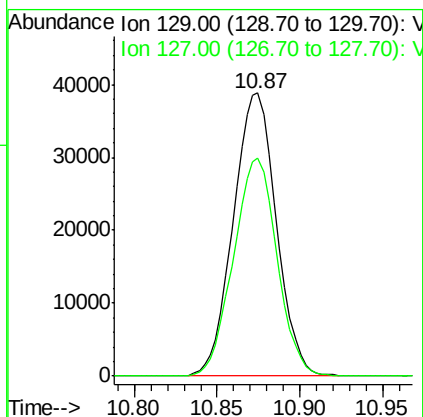
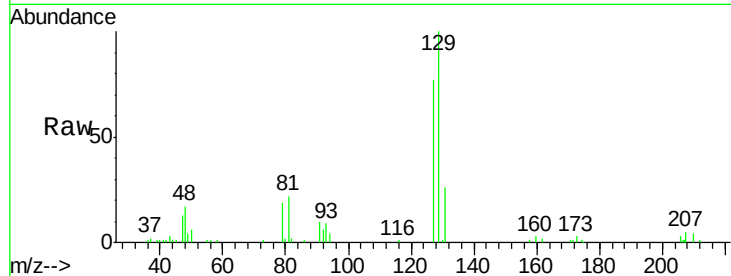
#53
 Dibromochloromethane
 Concen: 18.773 ug/l
 RT: 10.87 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:129 Resp: 70027
 Ion Ratio Lower Upper
 129 100
 127 77.8 38.9 116.7

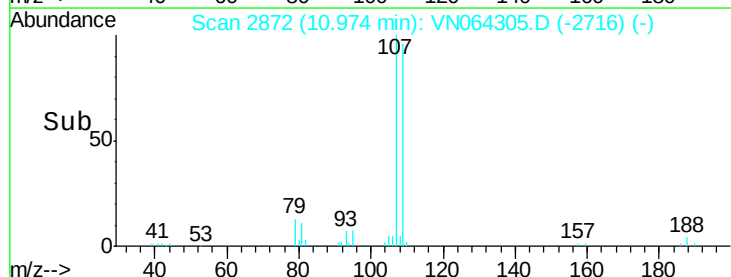
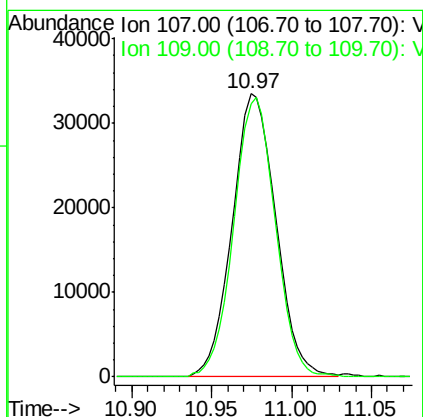
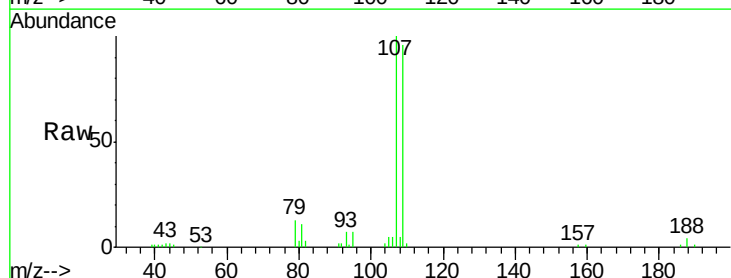
Manual Integrations
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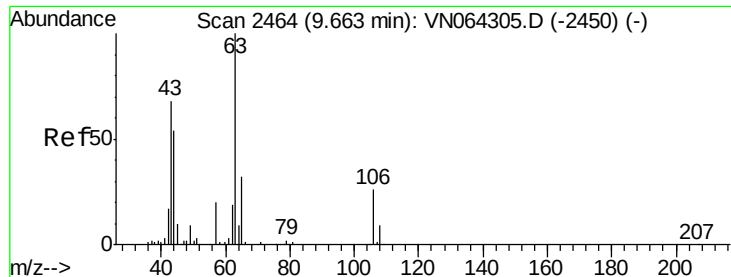
MMDadoda
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#54
 1,2-Dibromoethane
 Concen: 19.399 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Tgt Ion:107 Resp: 62437
 Ion Ratio Lower Upper
 107 100
 109 93.5 74.8 112.2





#55

2-Chloroethyl vinyl ether

Concen: 92.790 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

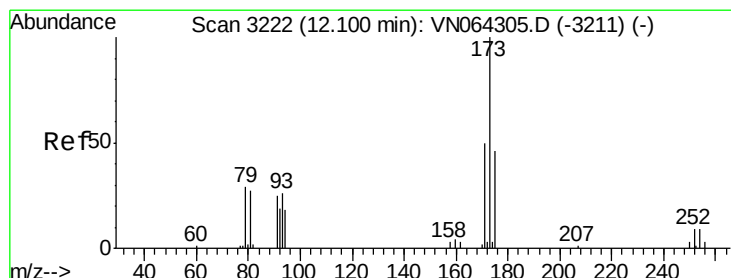
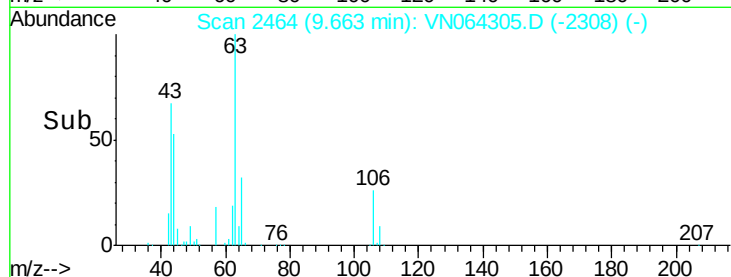
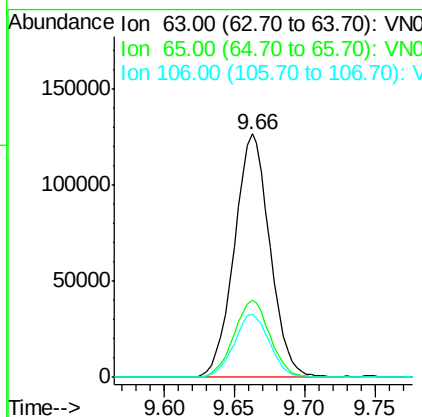
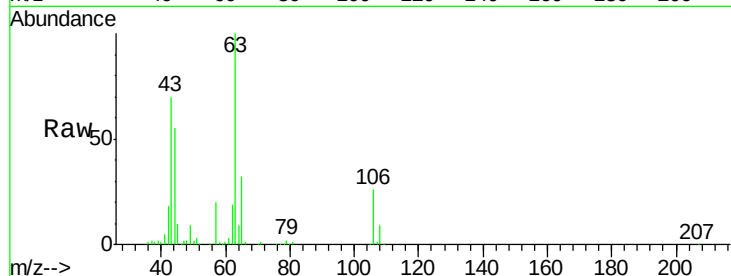
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	223817
Ion Ratio	Lower	Upper	
63	100		
65	32.0	25.6	38.4
106	25.9	20.7	31.1

Manual Integrations
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#56

Bromoform

Concen: 18.986 ug/l

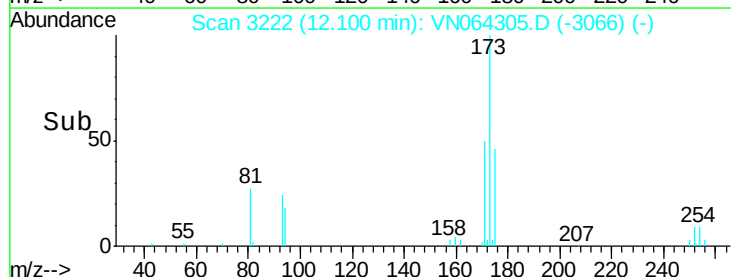
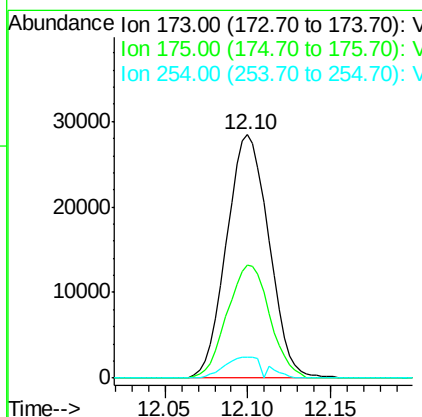
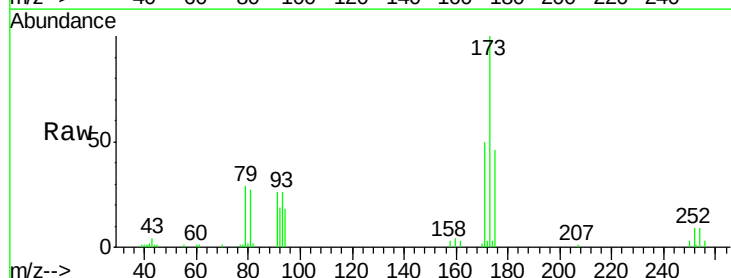
RT: 12.10 min Scan# 3222

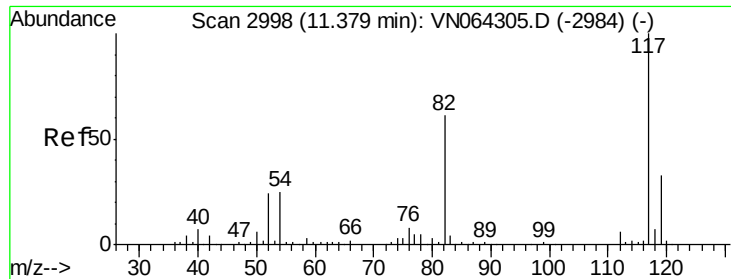
Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Tgt Ion:	173	Resp:	50591
Ion Ratio	Lower	Upper	
173	100		
175	46.6	37.3	55.9
254	6.0	4.8	7.2





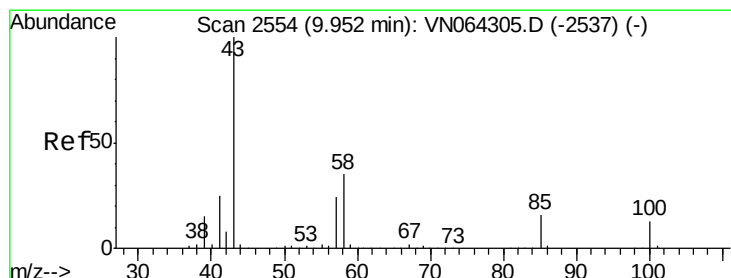
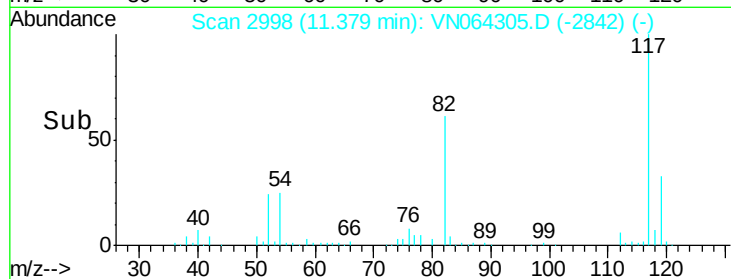
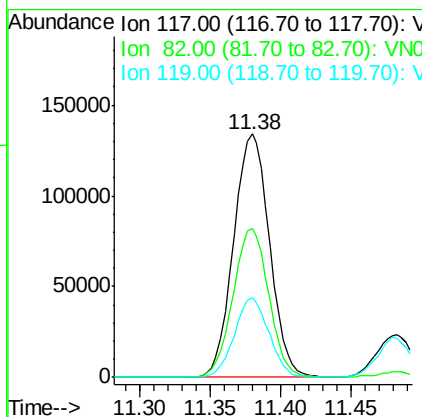
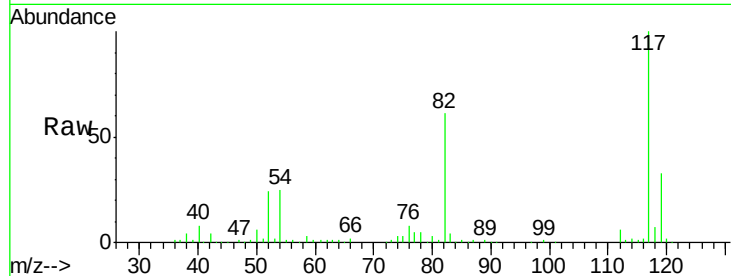
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	48.7	73.1
119	31.4	25.1	37.7

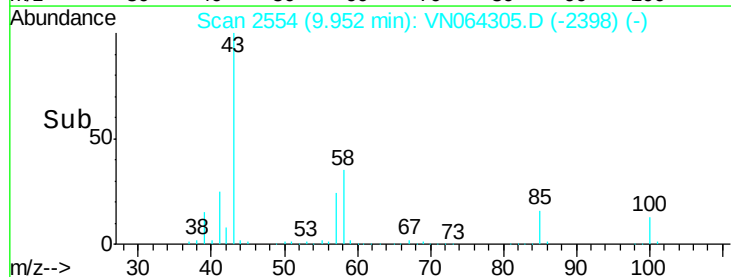
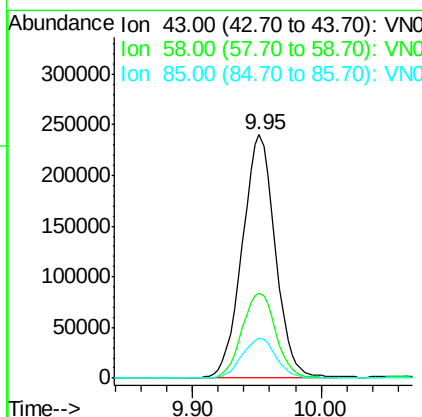
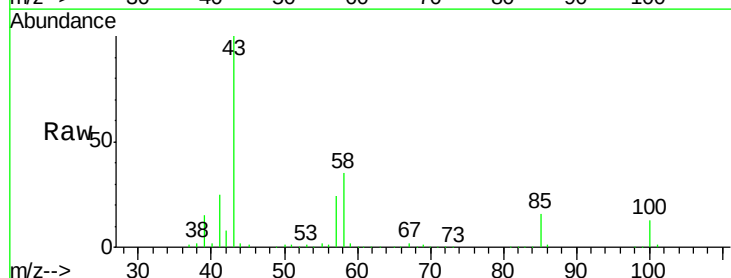
Manual Integrations
APPROVED

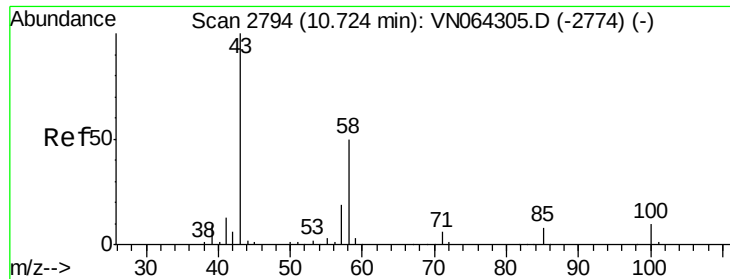
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 103.235 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.7	43.1
85	16.8	13.4	20.2





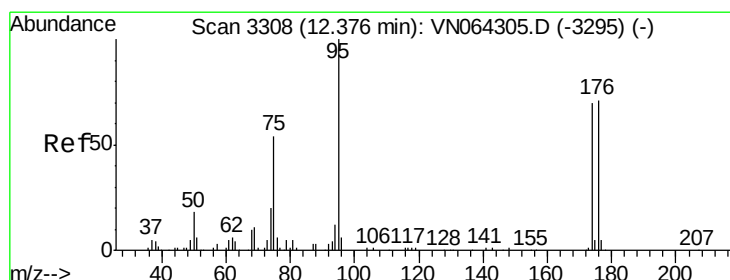
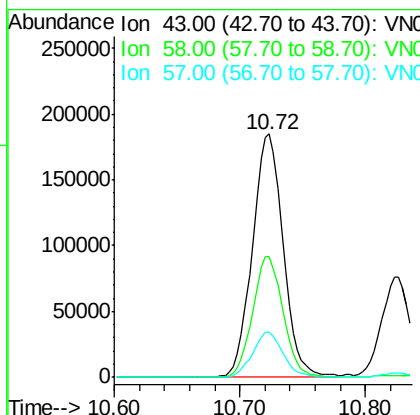
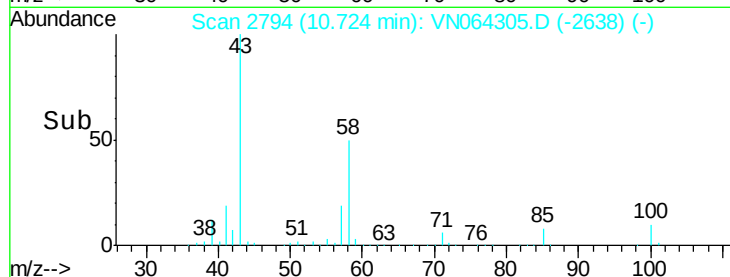
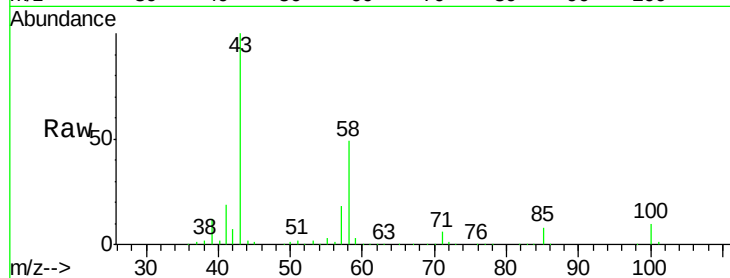
#59
2-Hexanone
Concen: 101.220 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.3	39.4	59.2
57	18.5	14.8	22.2

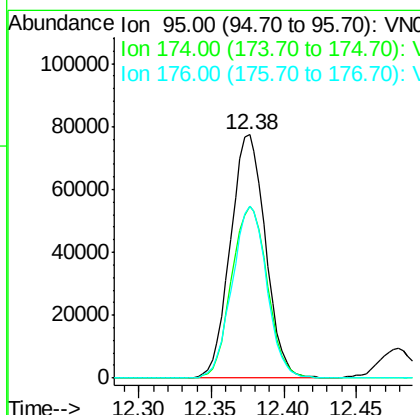
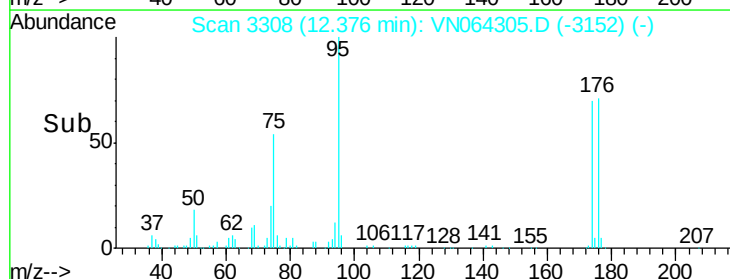
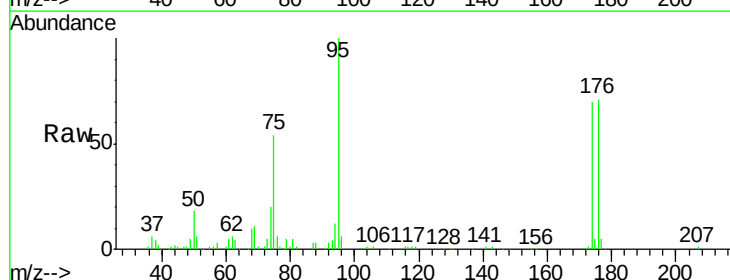
Manual Integrations
APPROVED

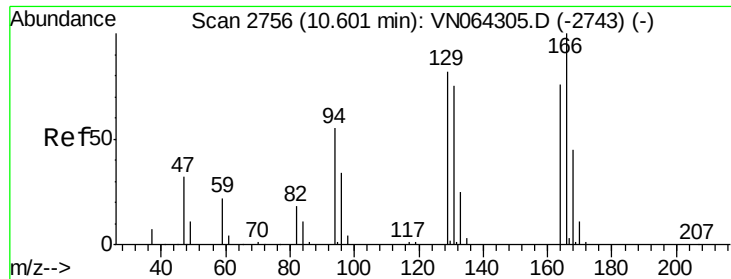
MMDadoda
10/27/2020 2:20:55 PM



#60
4-Bromofluorobenzene
Concen: 30.559 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.0	57.6	86.4
176	69.4	55.5	83.3





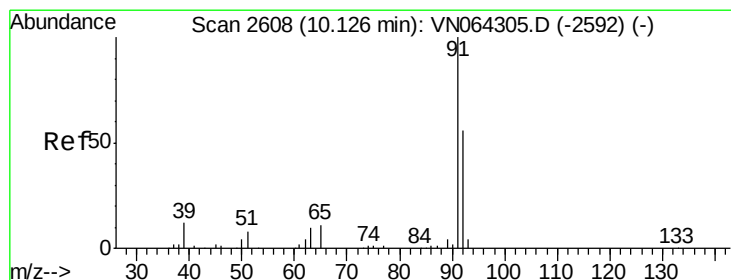
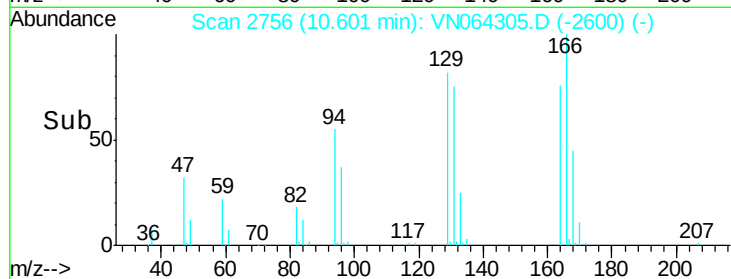
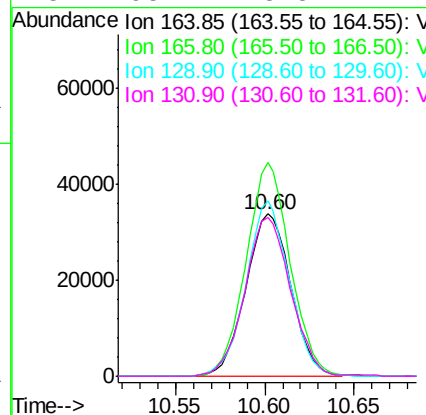
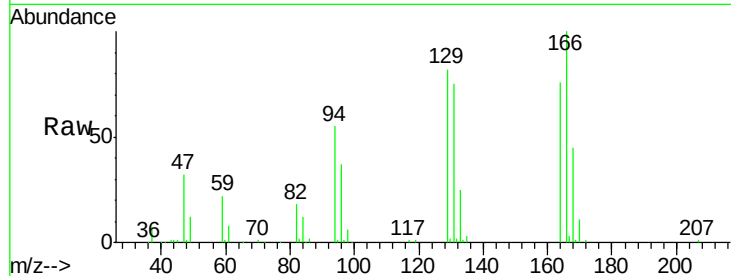
#61
Tetrachloroethene
Concen: 18.381 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.7	105.4	158.0
129	108.0	86.4	129.6
131	98.1	78.5	117.7

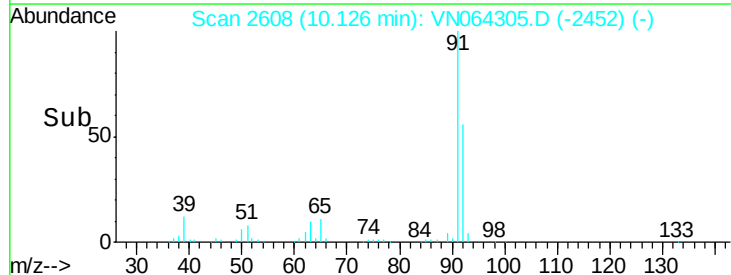
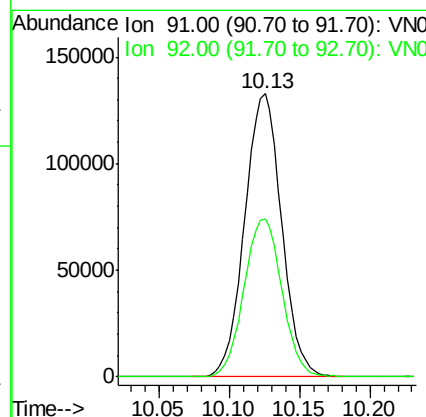
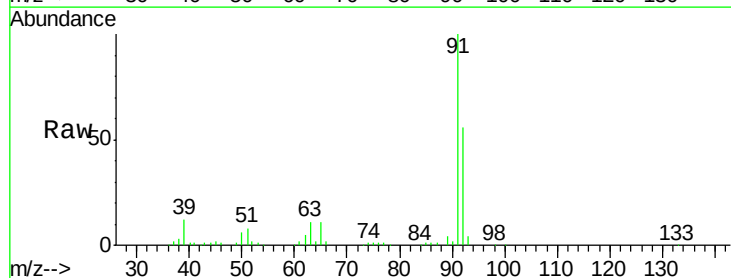
Manual Integrations
APPROVED

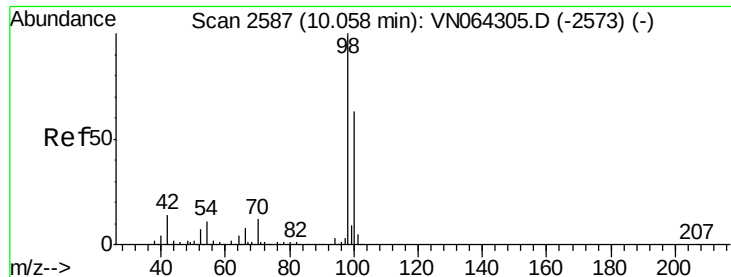
MMDadoda
10/27/2020 2:20:55 PM



#62
Toluene
Concen: 18.187 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.8	68.6





#63

Toluene-d8

Concen: 30.165 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 322719

Ion Ratio Lower Upper

98 100

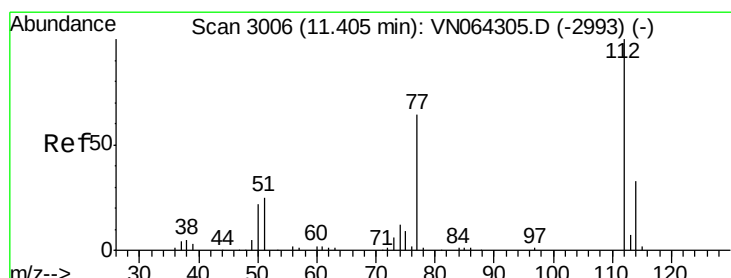
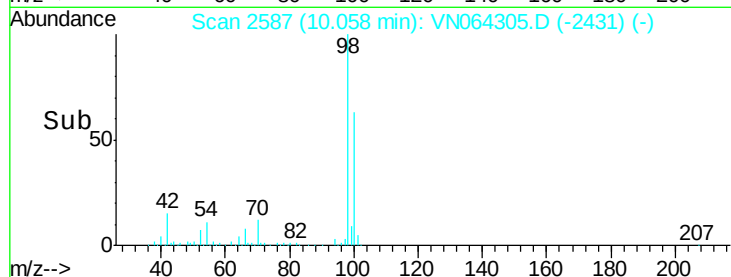
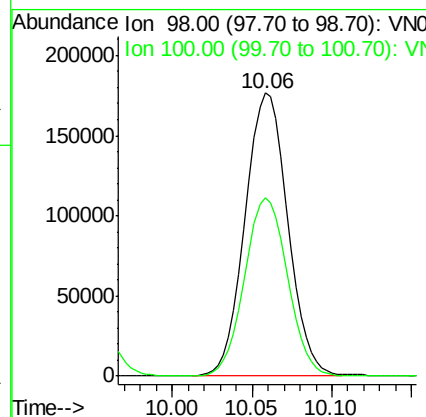
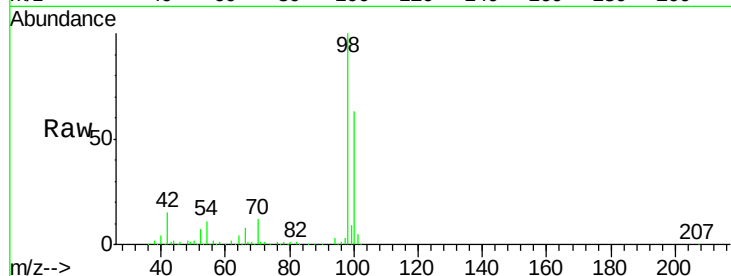
100 63.2 50.6 75.8

Manual Integrations

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#64

Chlorobenzene

Concen: 18.215 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064305.D

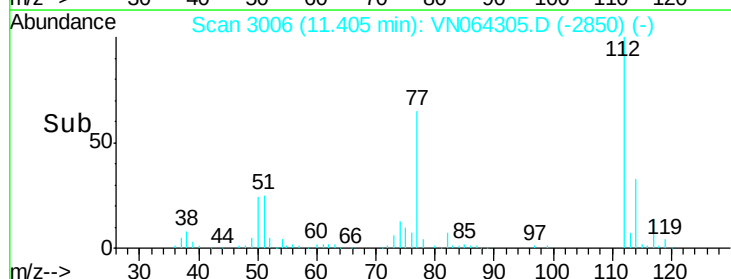
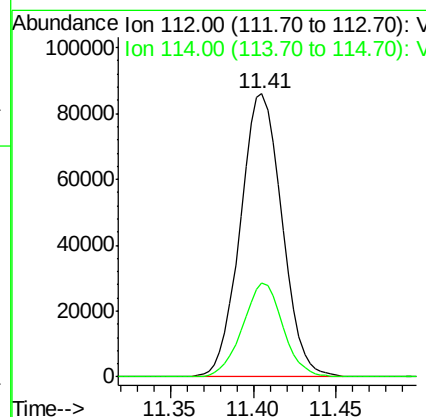
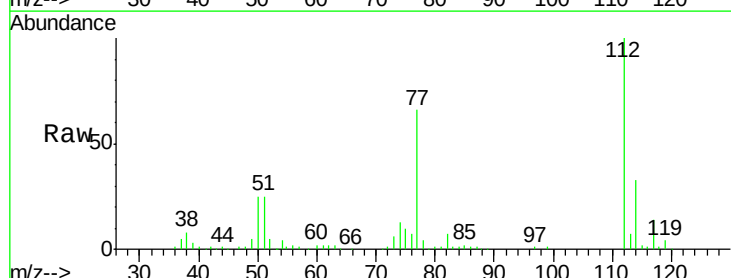
Acq: 26 Oct 2020 16:18

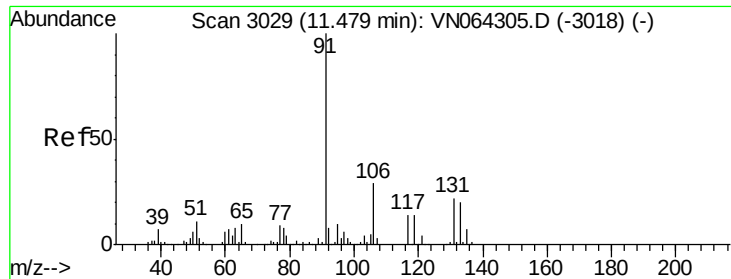
Tgt Ion: 112 Resp: 150763

Ion Ratio Lower Upper

112 100

114 33.4 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 18.253 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

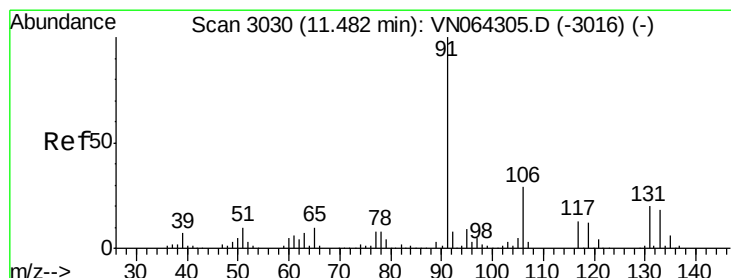
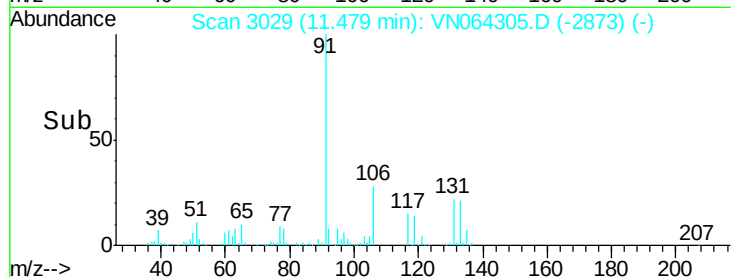
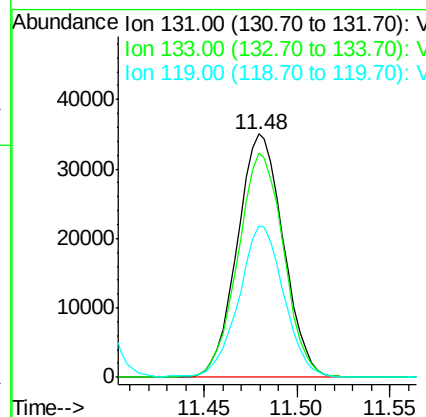
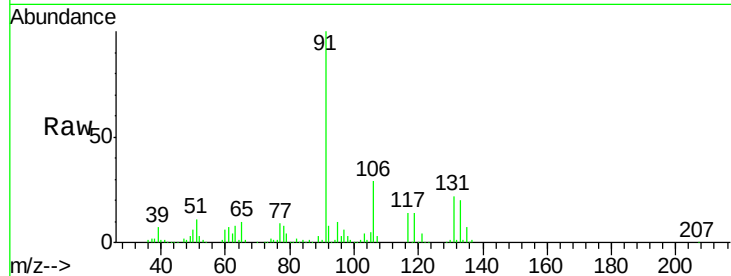
ClientSampleId :

VSTDICCC020

Tot Ion:	131	Resp:	60647
Ion	Ratio	Lower	Upper
131	100		
133	91.5	0.0	183.0
119	60.8	0.0	121.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.330 ug/l

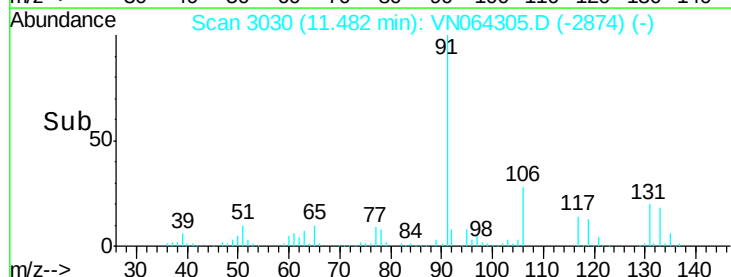
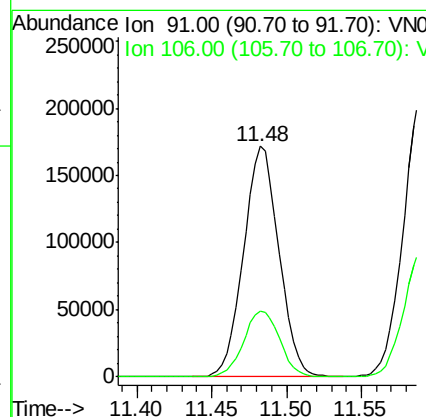
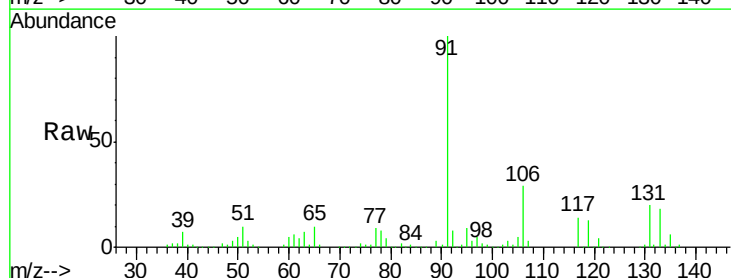
RT: 11.48 min Scan# 3030

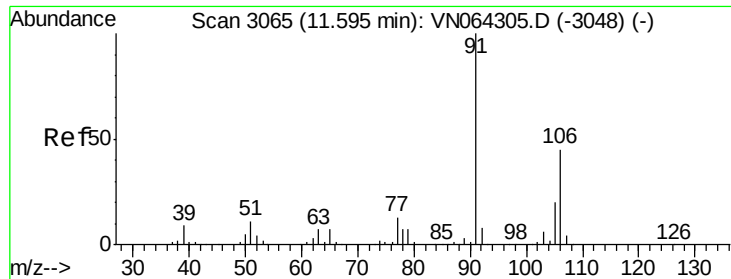
Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Tgt Ion:	91	Resp:	282915
Ion	Ratio	Lower	Upper
91	100		
106	28.5	22.8	34.2





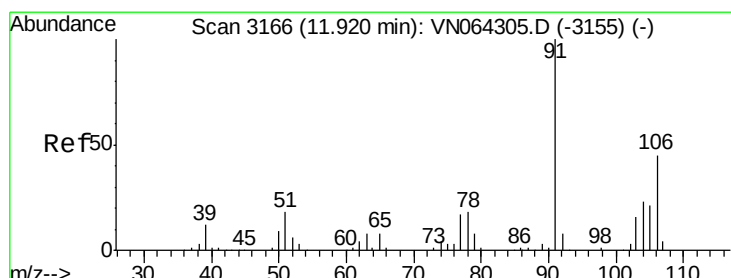
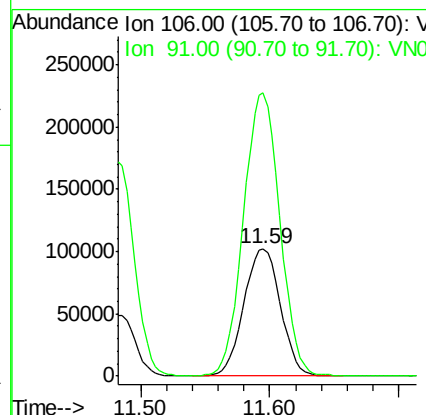
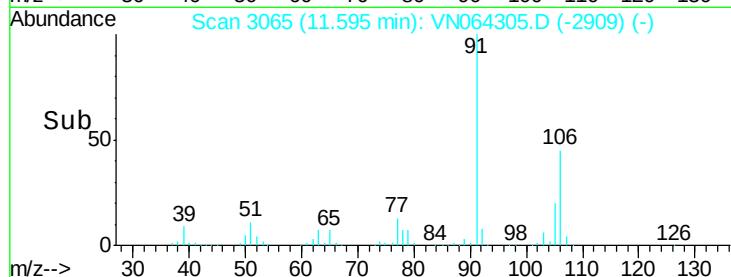
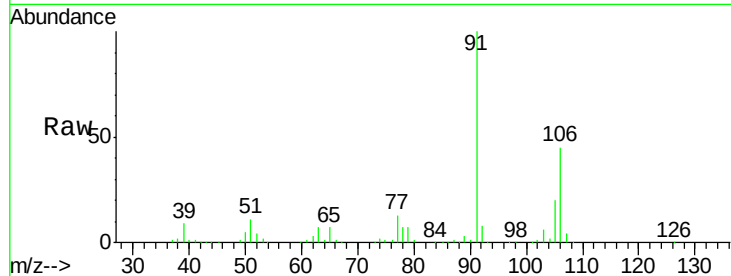
#67
m/p-Xylenes
Concen: 35.653 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:106 Resp: 202455
Ion Ratio Lower Upper
106 100
91 220.2 176.2 264.2

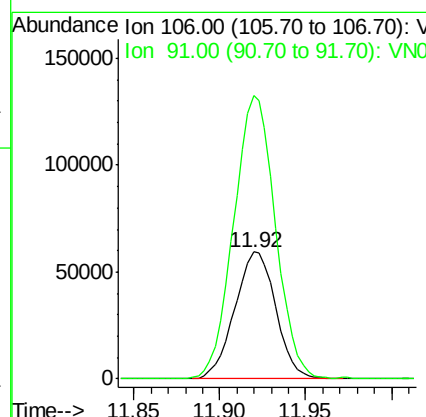
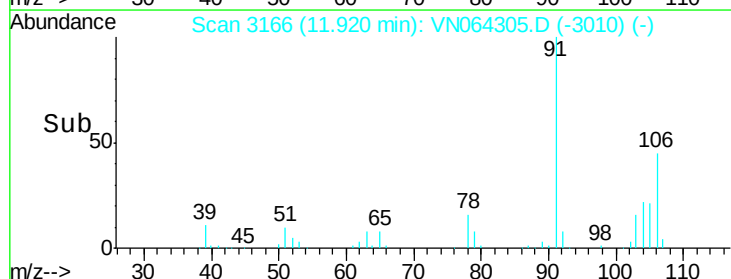
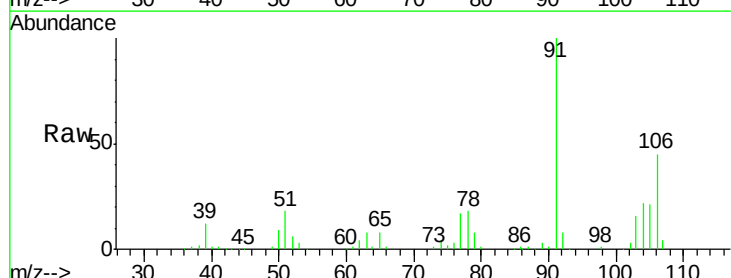
Manual Integrations
APPROVED

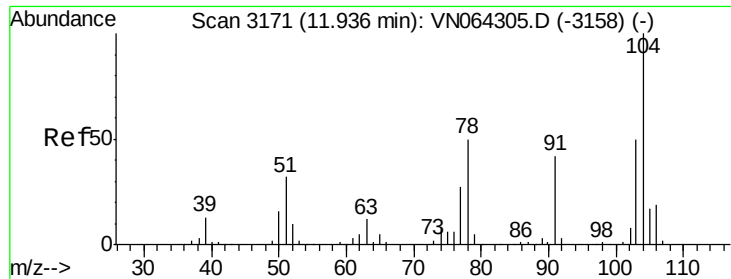
MMDadoda
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#68
o-Xylene
Concen: 17.865 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion:106 Resp: 98590
Ion Ratio Lower Upper
106 100
91 225.7 112.9 338.6





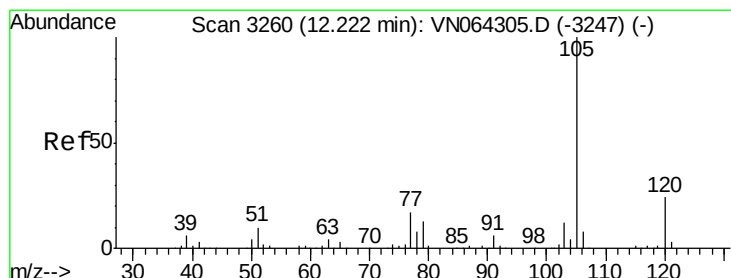
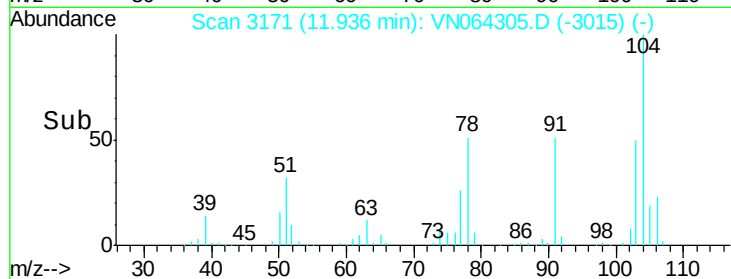
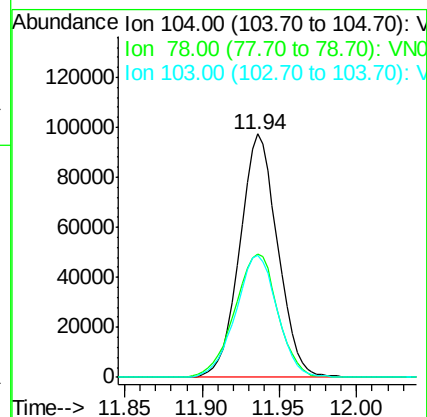
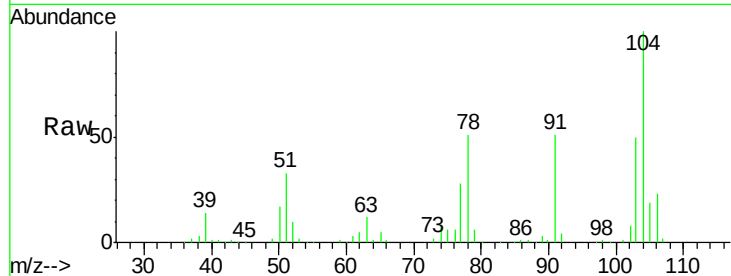
#69
Stvrene
Concen: 17.996 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.9	46.3	69.5
103	55.2	44.2	66.2

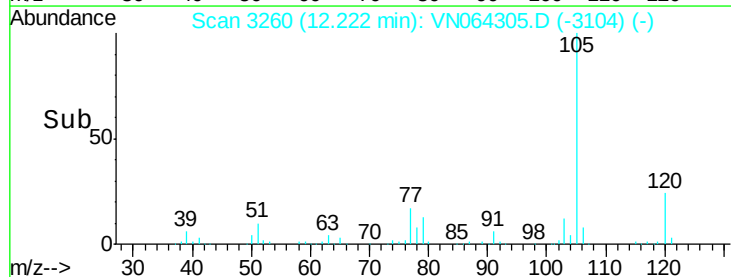
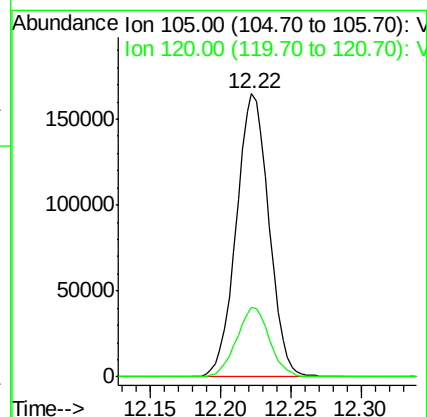
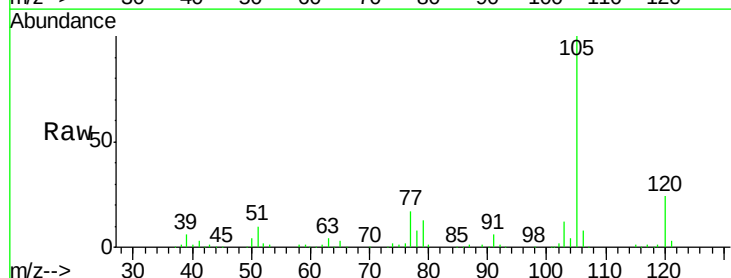
Manual Integrations
APPROVED

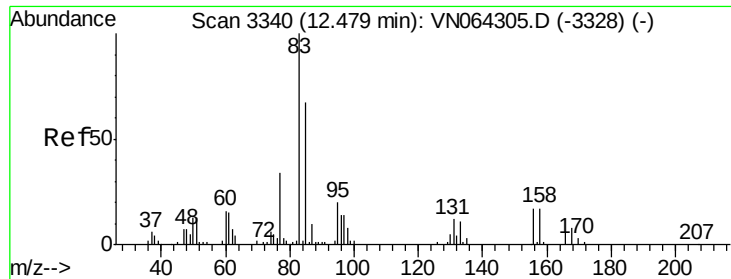
MMDadoda
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#70
Isopropylbenzene
Concen: 18.215 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.8	17.4	32.2





#71

1,1,2,2-Tetrachloroethane

Concen: 19.713 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 83 Resp: 79115

Ion Ratio Lower Upper

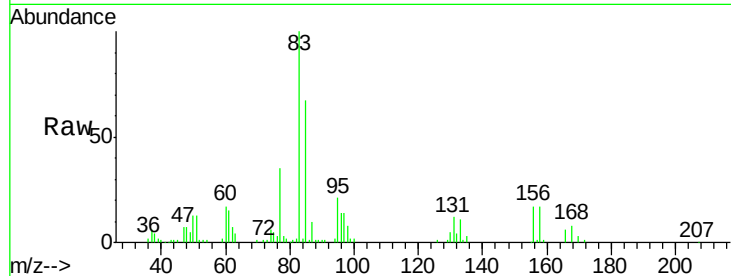
83 100

131 12.0 6.0 18.0

85 64.0 32.0 96.0

Manual Integrations
APPROVED

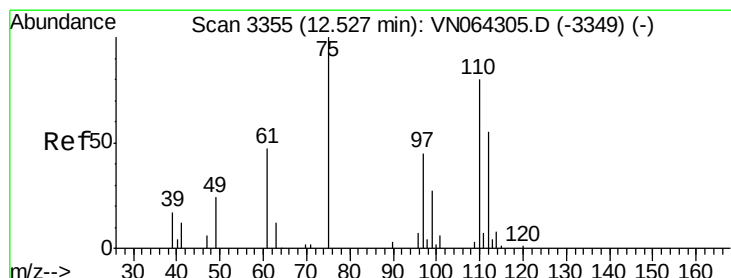
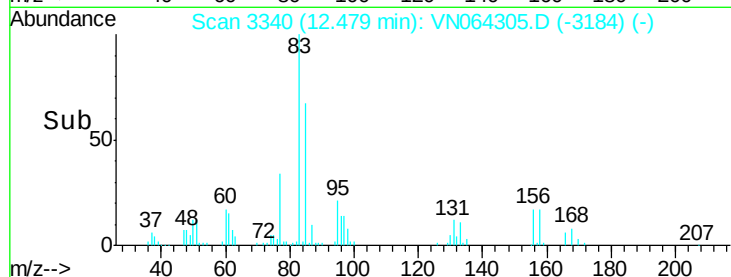
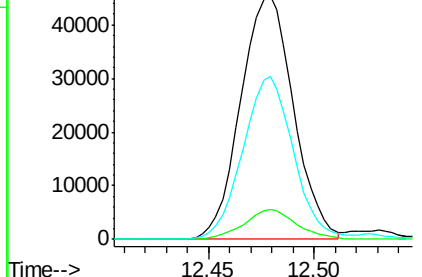
MMDadoda
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Abundance Ion 83.00 (82.70 to 83.70): VN064305.D (-3328) (-)

Ion 131.00 (130.70 to 131.70): VN064305.D (-3328) (-)

Ion 85.00 (84.70 to 85.70): VN064305.D (-3328) (-)



#72

1,2,3-Trichloropropane

Concen: 21.894 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064305.D

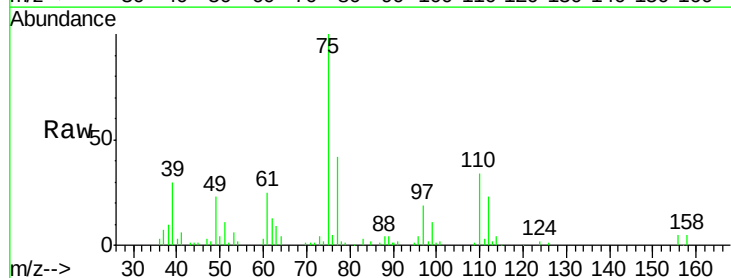
Acq: 26 Oct 2020 16:18

Tgt Ion: 75 Resp: 92424

Ion Ratio Lower Upper

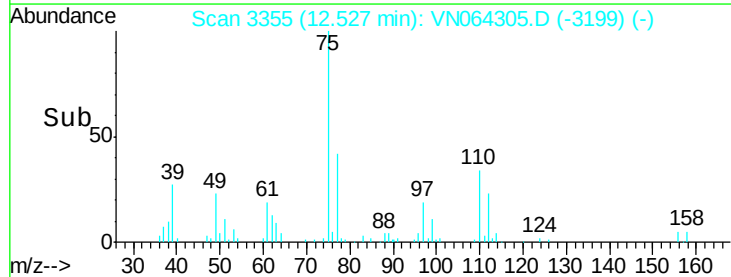
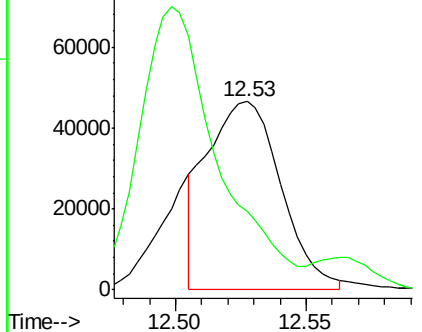
75 100

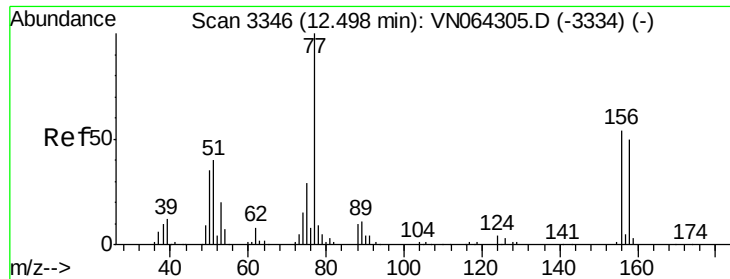
77 158.5 0.0 340.8



Abundance Ion 75.00 (74.70 to 75.70): VN064305.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064305.D (-3349) (-)





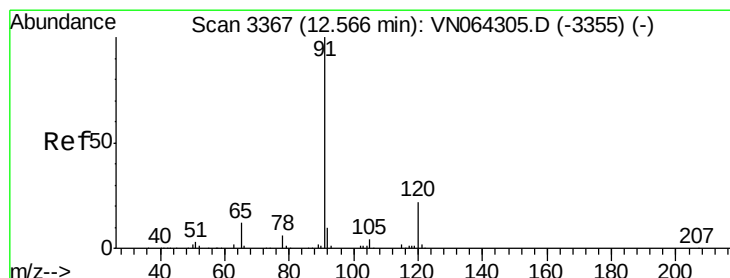
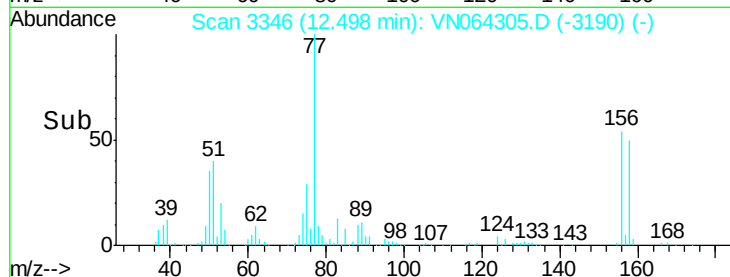
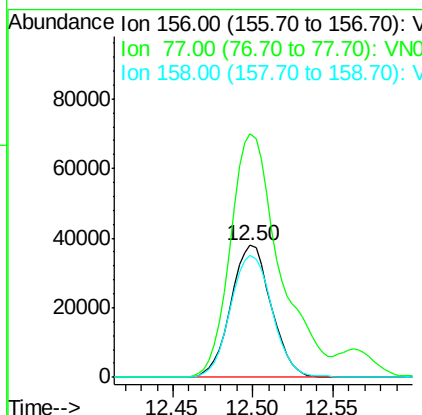
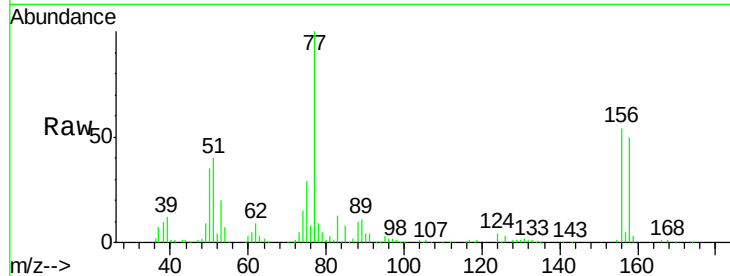
#73
Bromobenzene
Concen: 18.276 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.6	0.0	449.2
158	95.5	0.0	191.0

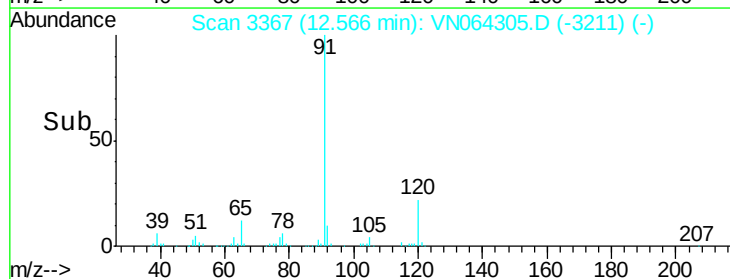
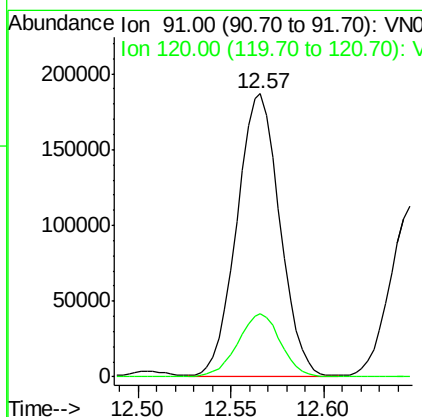
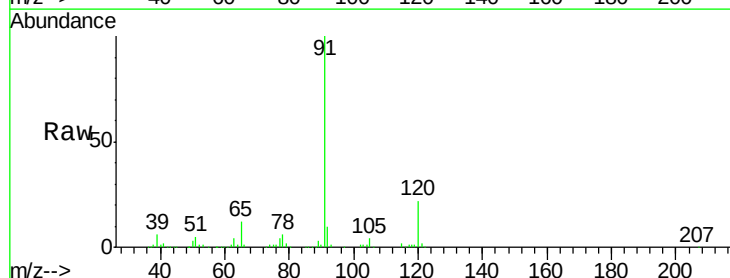
Manual Integrations
APPROVED

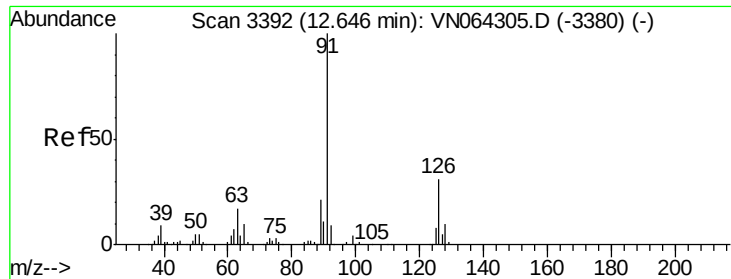
MMDadoda
10/27/2020 2:20:55 PM



#74
n-propylbenzene
Concen: 18.032 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	0.0	44.2





#75

2-Chlorotoluene

Concen: 18.287 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 190677

Ion Ratio Lower Upper

91 100

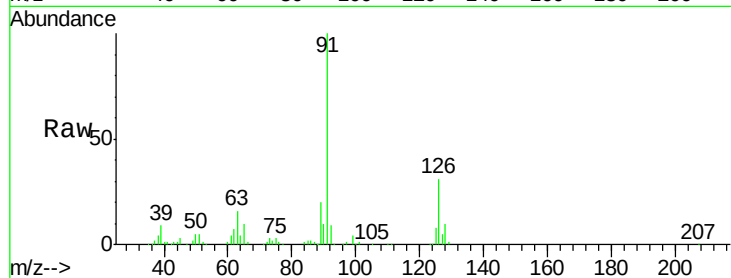
126 31.0 0.0 62.0

Manual Integrations

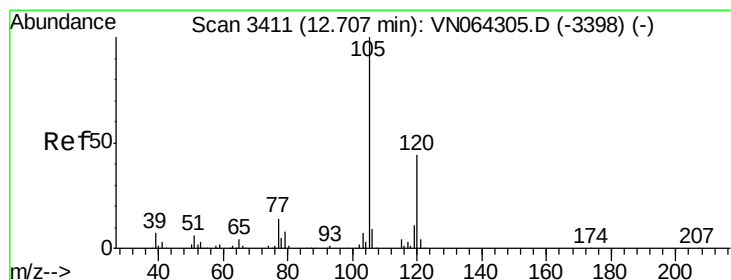
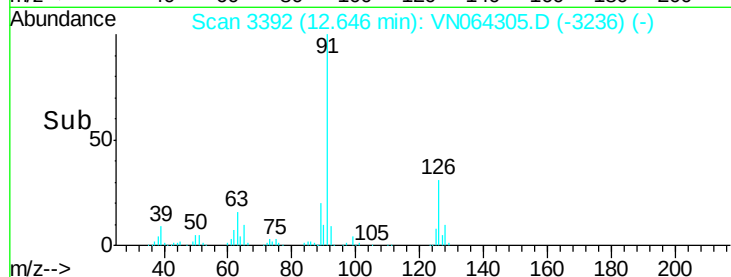
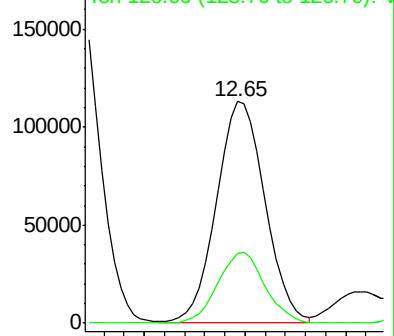
APPROVED

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



#76

1,3,5-Trimethylbenzene

Concen: 18.128 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064305.D

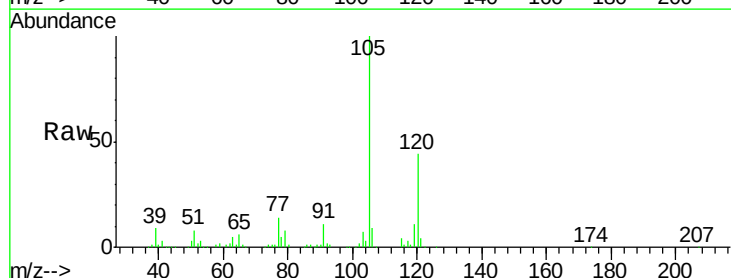
Acq: 26 Oct 2020 16:18

Tgt Ion: 105 Resp: 224911

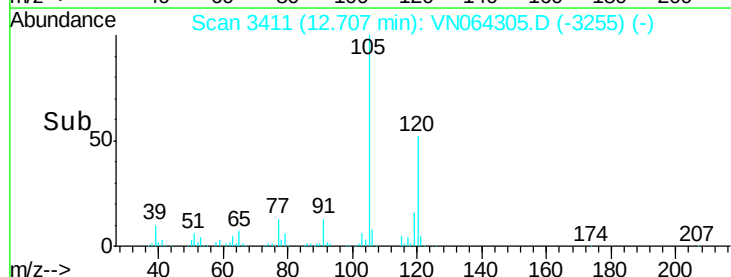
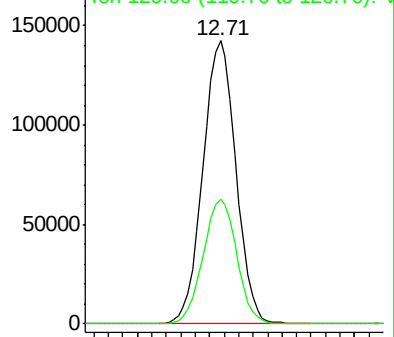
Ion Ratio Lower Upper

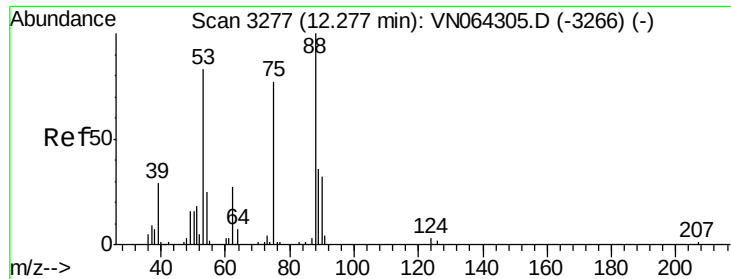
105 100

120 44.9 0.0 89.8



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





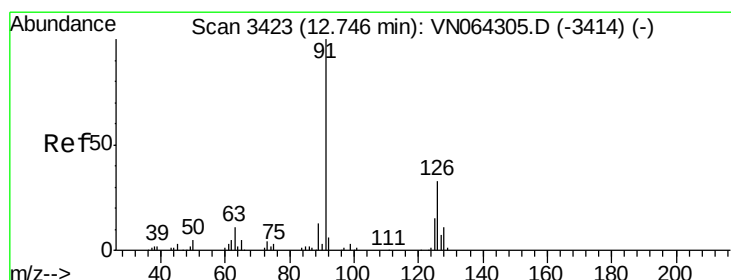
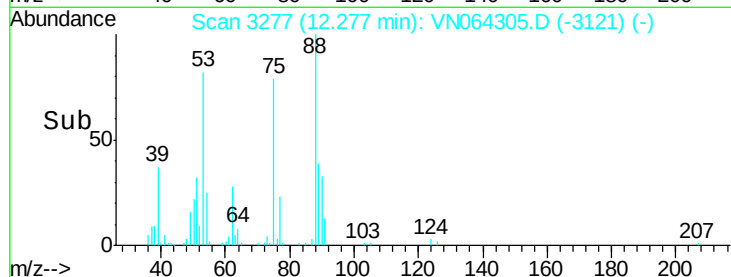
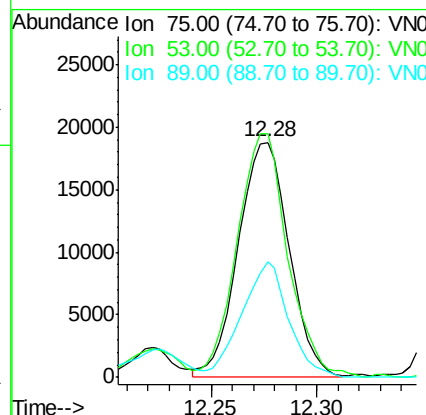
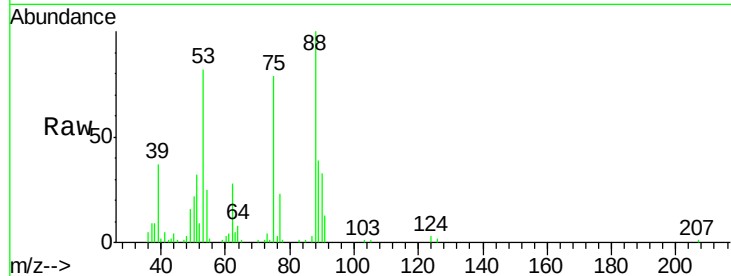
#77
 t-1,4-Dichloro-2-butene
 Concen: 19.492 ug/l
 RT: 12.28 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.0	51.0	153.0
89	49.5	24.8	74.3

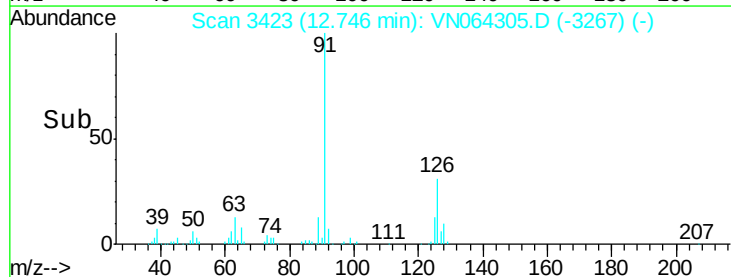
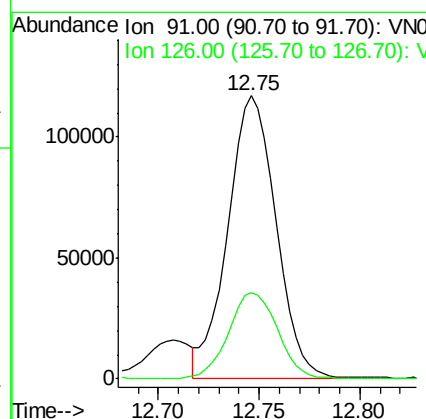
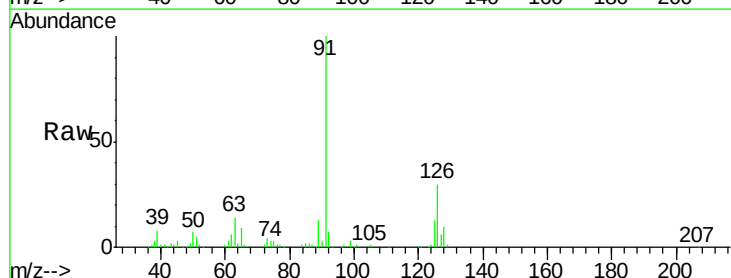
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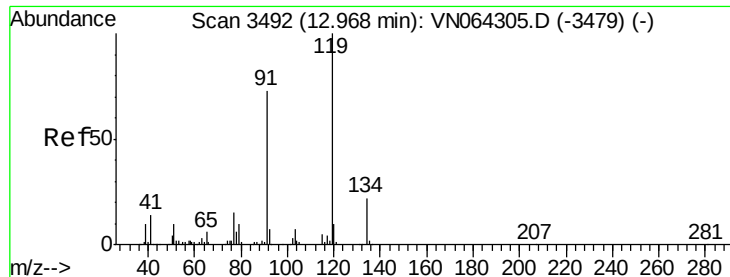
MMDadoda
 10/27/2020 2:20:55 PM



#78
 4-Chlorotoluene
 Concen: 18.101 ug/l
 RT: 12.75 min Scan# 3423
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	0.0	62.4





#79

tert-butylbenzene

Concen: 18.015 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

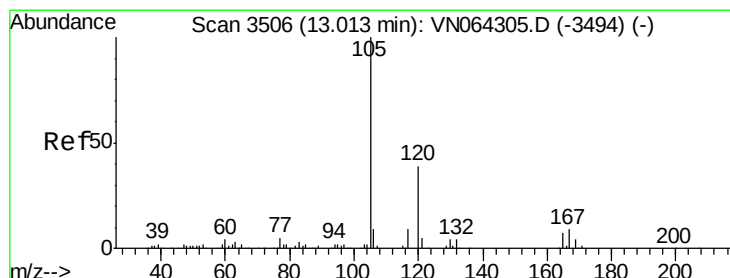
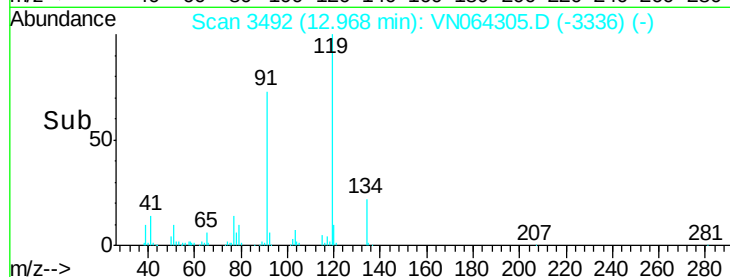
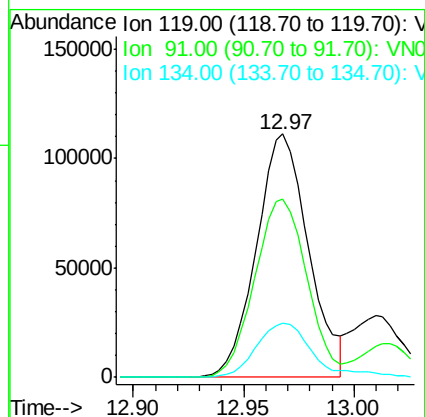
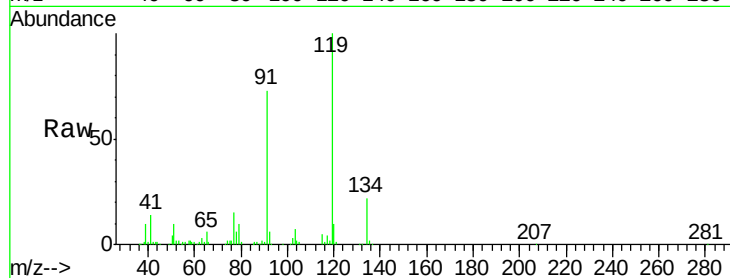
ClientSampleId :

VSTDICCC020

Tot Ion:	119	Resp:	181924
Ion Ratio	Lower	Upper	
119	100		
91	73.4	0.0	146.8
134	24.3	0.0	48.6

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#80

1,2,4-Trimethylbenzene

Concen: 18.078 ug/l

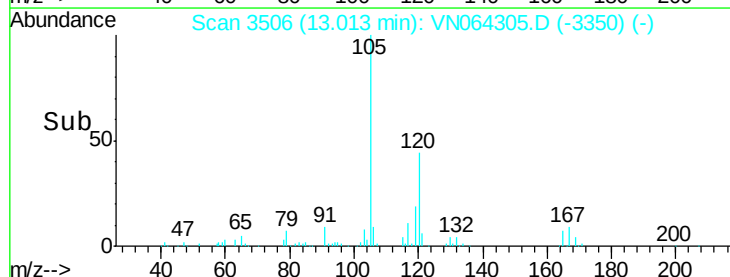
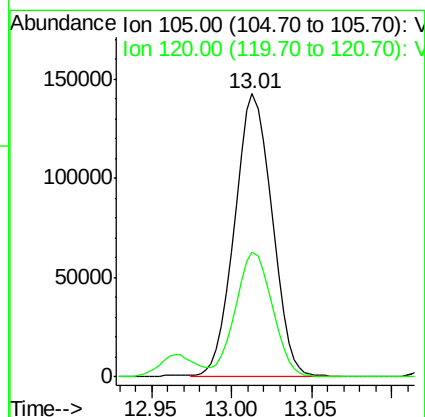
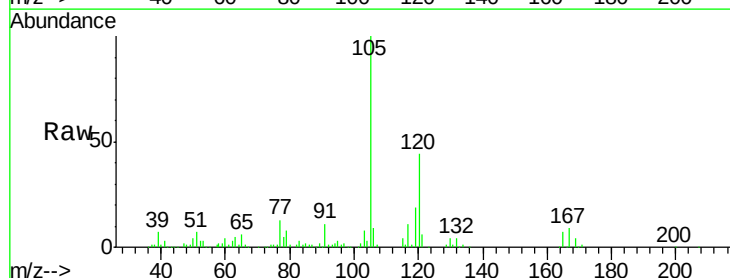
RT: 13.01 min Scan# 3506

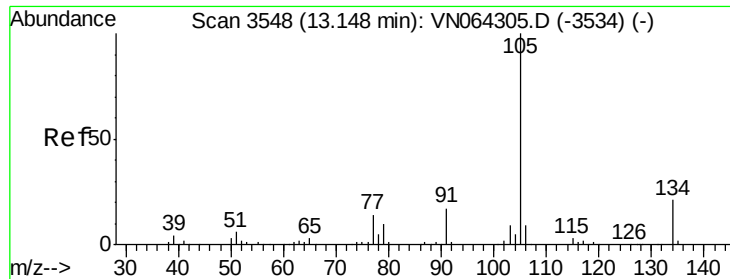
Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Tgt Ion:	105	Resp:	227837
Ion Ratio	Lower	Upper	
105	100		
120	43.5	0.0	87.0





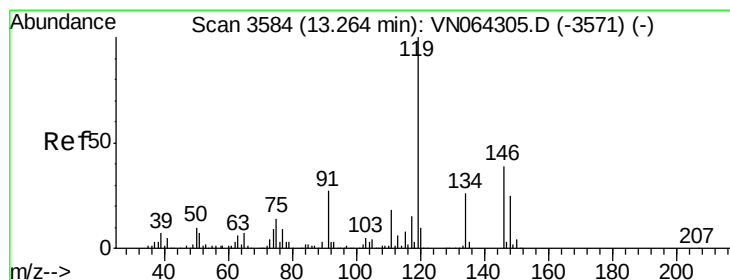
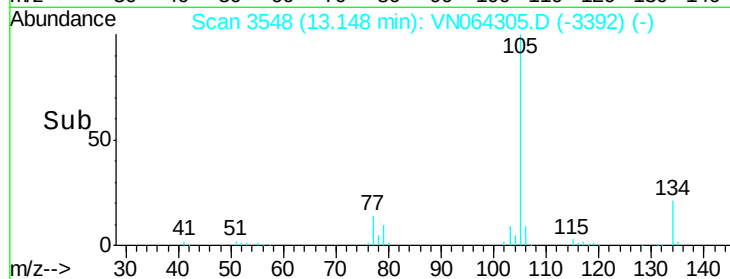
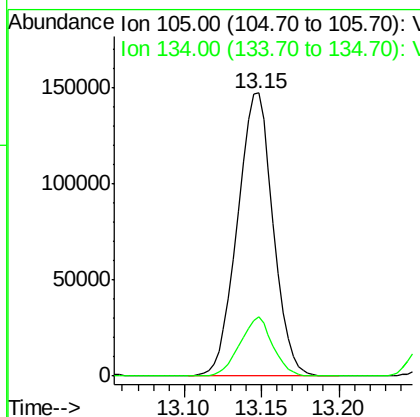
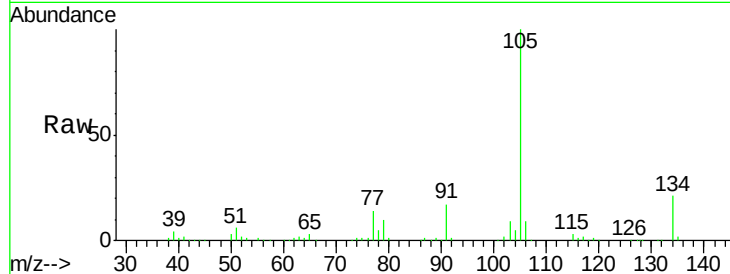
#81
 sec-Butylbenzene
 Concen: 17.997 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	0.0	38.4

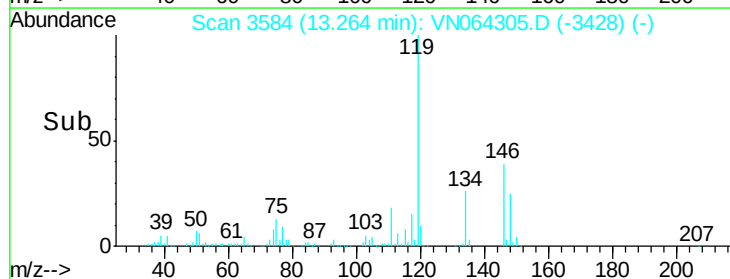
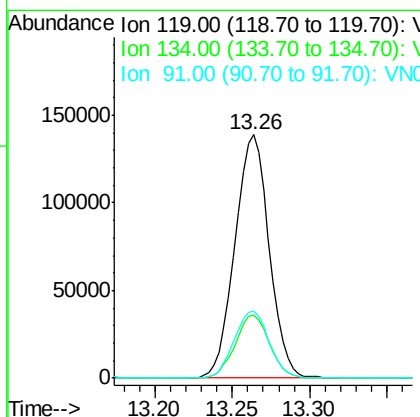
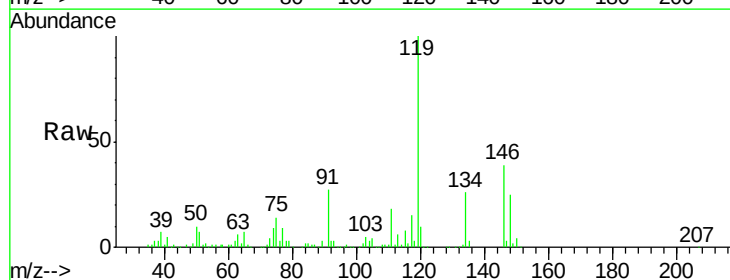
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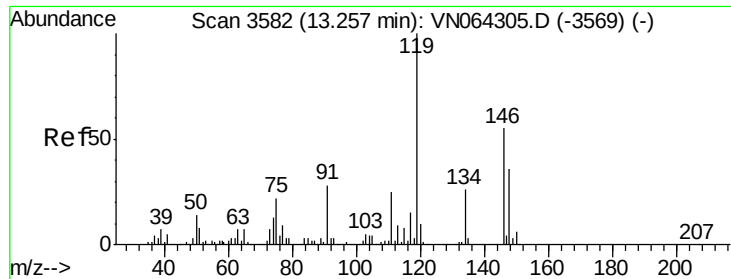
MMDadoda
 10/27/2020 2:20:55 PM



#82
 p-Isopropyltoluene
 Concen: 17.750 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	0.0	52.2
91	28.0	0.0	56.0





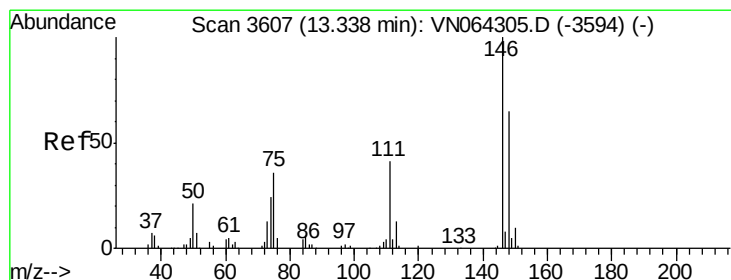
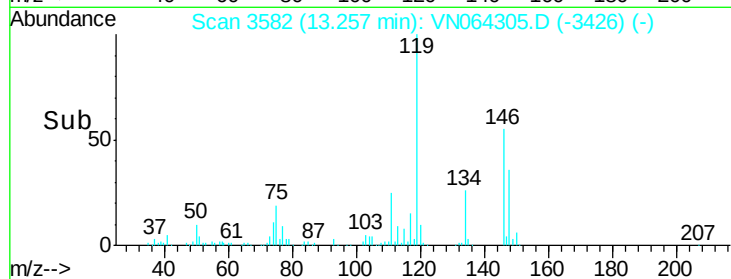
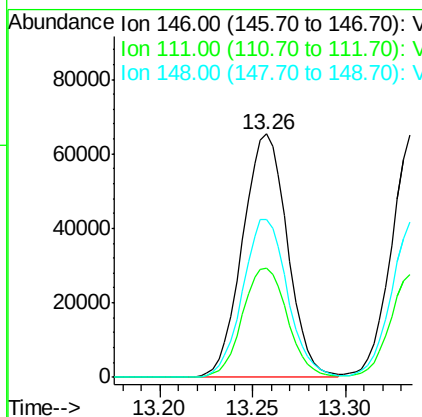
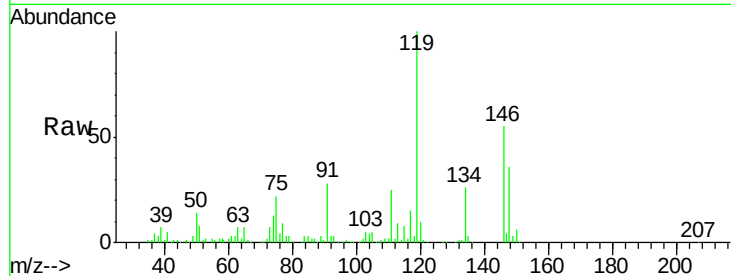
#83
 1,3-Dichlorobenzene
 Concen: 17.636 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.5	67.5
148	65.0	32.5	97.5

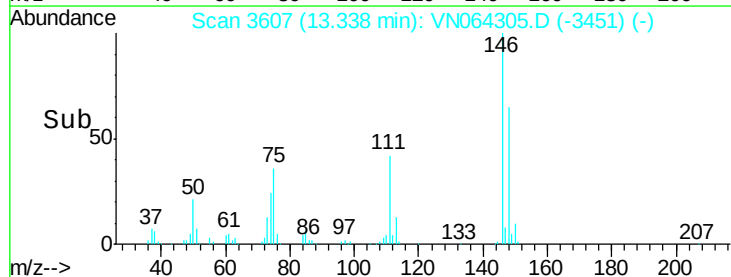
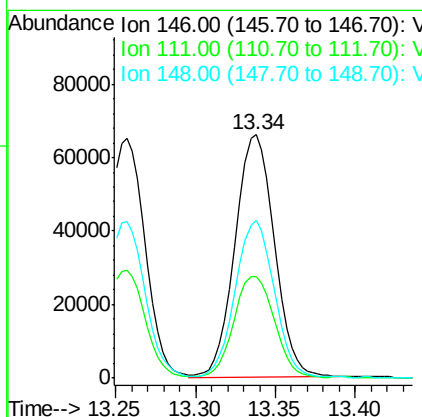
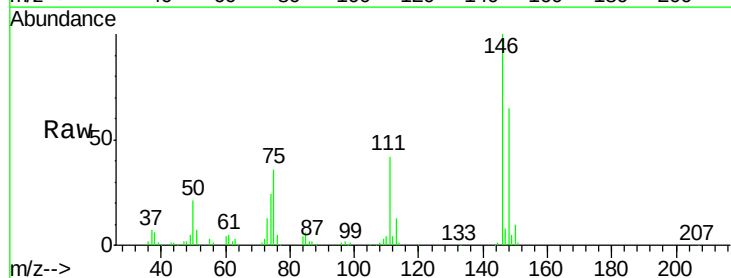
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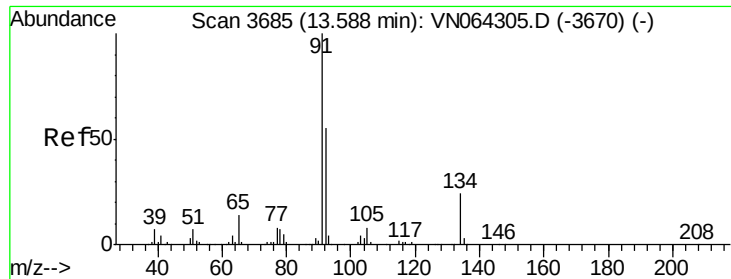
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#84
 1,4-Dichlorobenzene
 Concen: 17.378 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	64.7	32.4	97.0





#85

n-Butylbenzene

Concen: 17.270 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

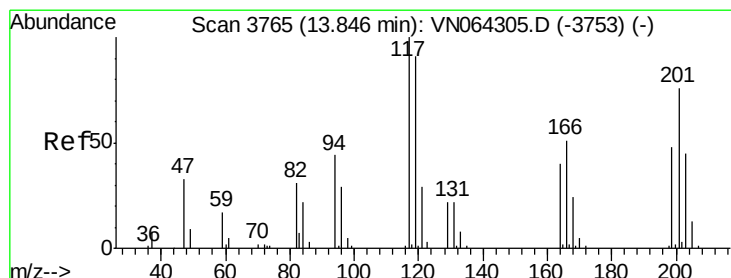
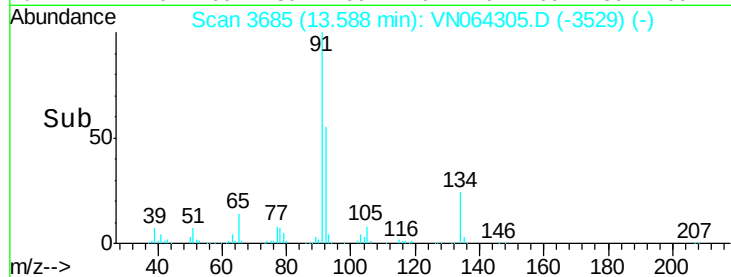
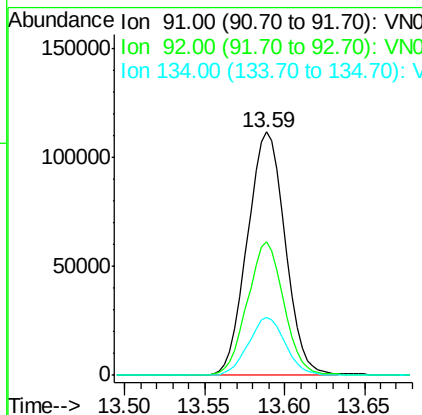
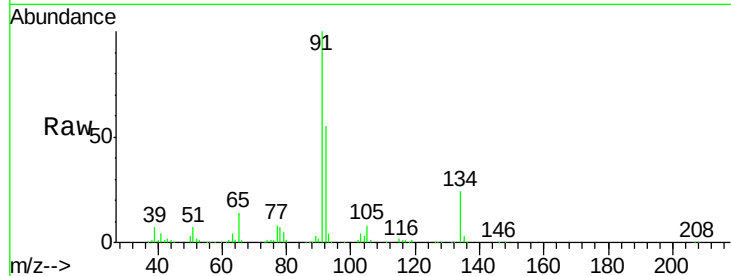
ClientSampleId :

VSTDICCC020

Tot Ion:	91	Resp:	181424
Ion Ratio	Lower	Upper	
91	100		
92	53.0	0.0	106.0
134	23.2	0.0	46.4

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#86

Hexachloroethane

Concen: 19.444 ug/l

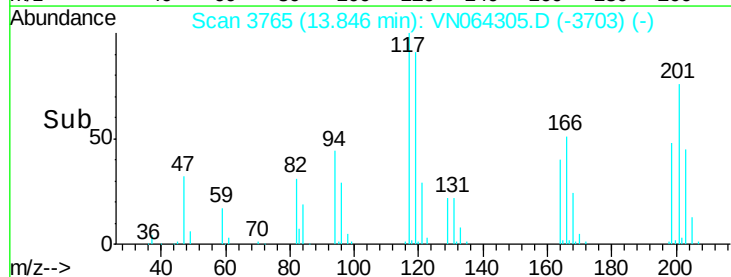
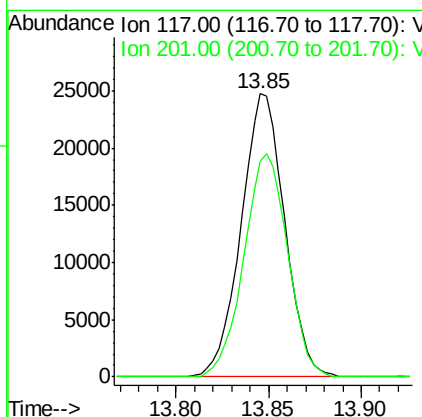
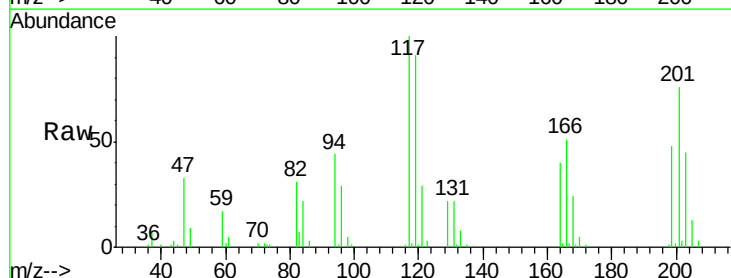
RT: 13.85 min Scan# 3765

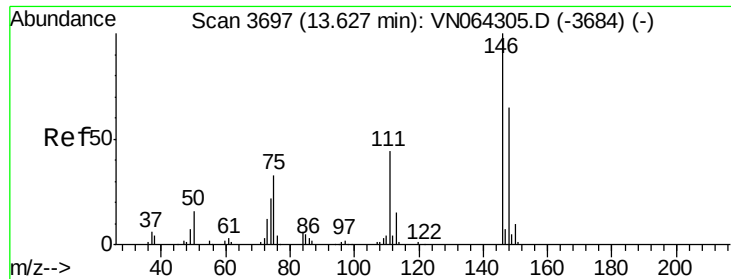
Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Tgt Ion:	117	Resp:	40456
Ion Ratio	Lower	Upper	
117	100		
201	79.1	39.6	118.7





#87

1,2-Dichlorobenzene

Concen: 17.940 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Instrument :

MSVOA_N

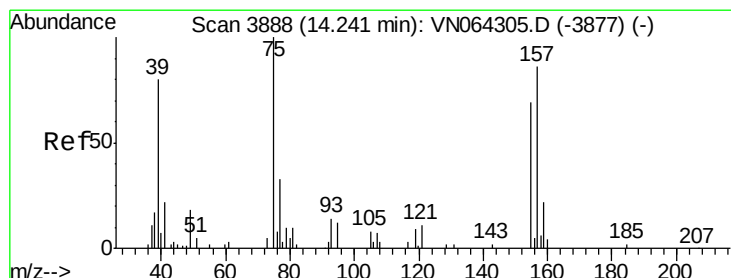
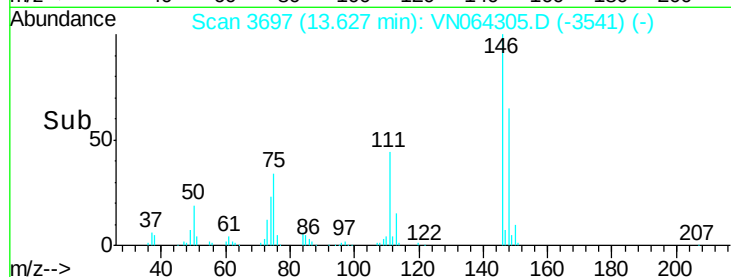
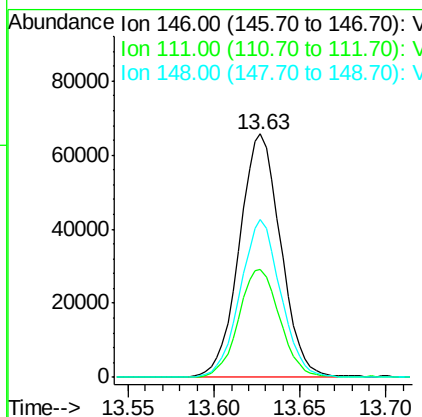
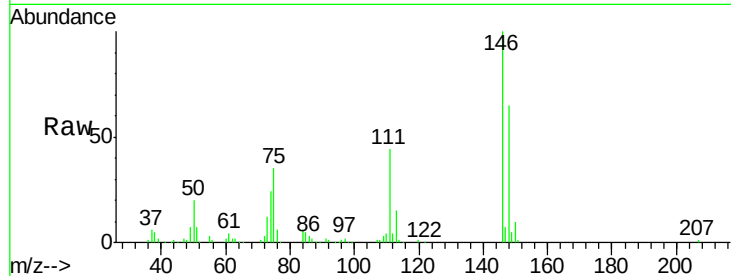
ClientSampleId :

VSTDICCC020

Tot Ion:	146	Resp:	109914
Ion Ratio	Lower	Upper	
146	100		
111	44.5	22.3	66.8
148	63.3	31.6	95.0

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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.928 ug/l

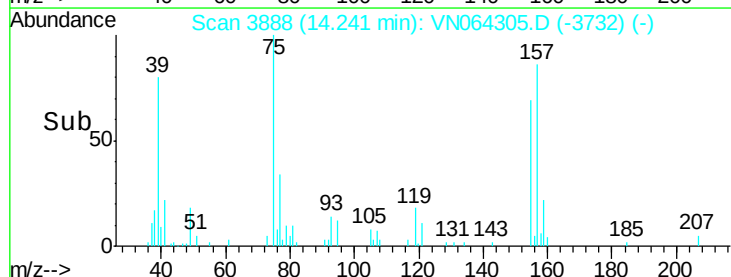
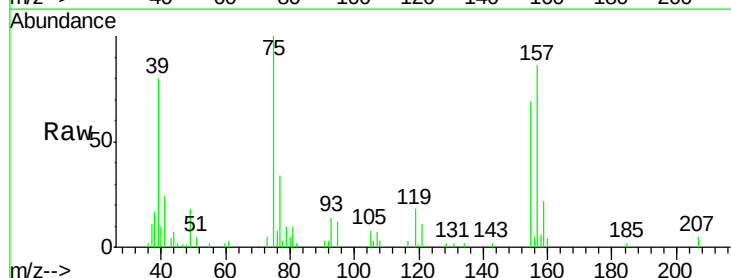
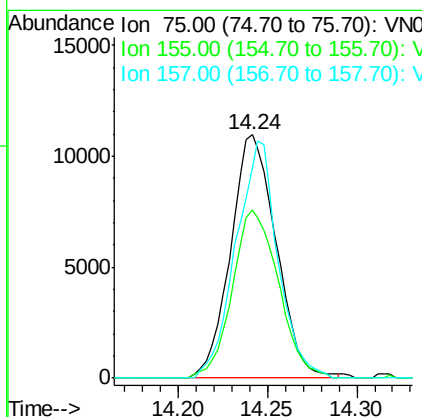
RT: 14.24 min Scan# 3888

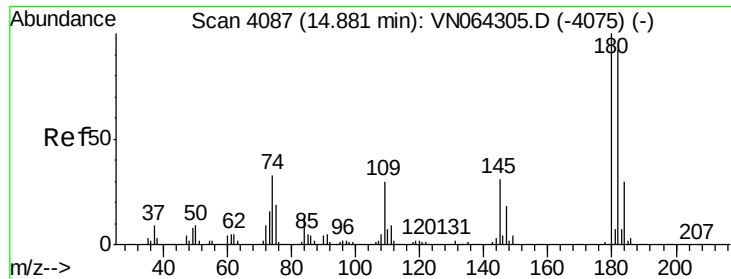
Delta R.T. 0.00 min

Lab File: VN064305.D

Acq: 26 Oct 2020 16:18

Tgt Ion:	75	Resp:	19557
Ion Ratio	Lower	Upper	
75	100		
155	69.8	55.8	83.8
157	90.1	72.1	108.1





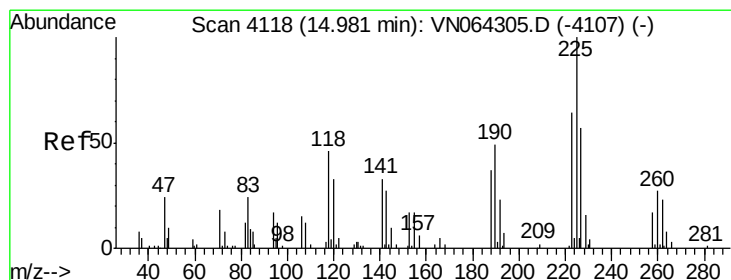
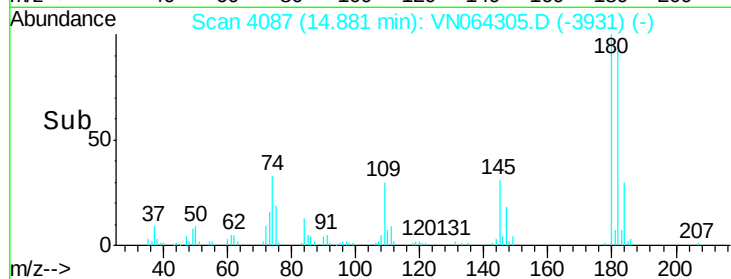
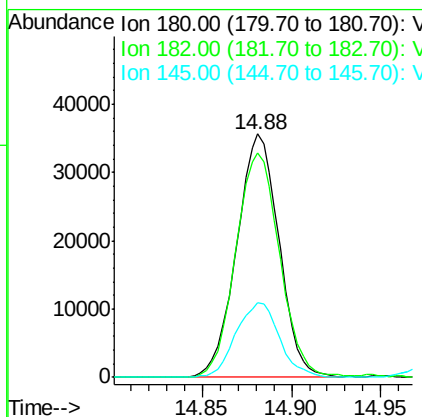
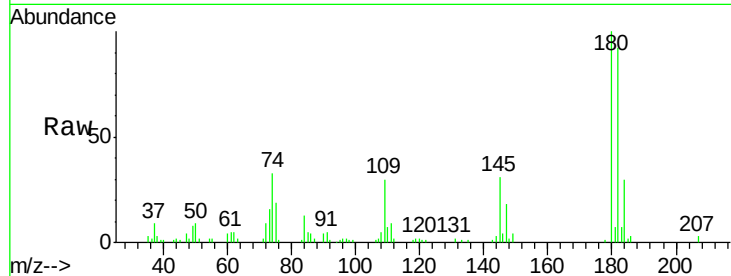
#89
 1,2,4-Trichlorobenzene
 Concen: 17.042 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
145	31.7	25.4	38.0

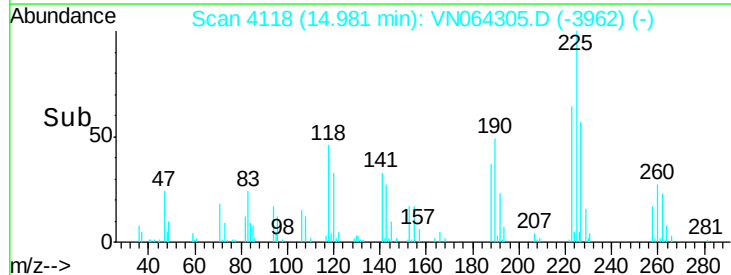
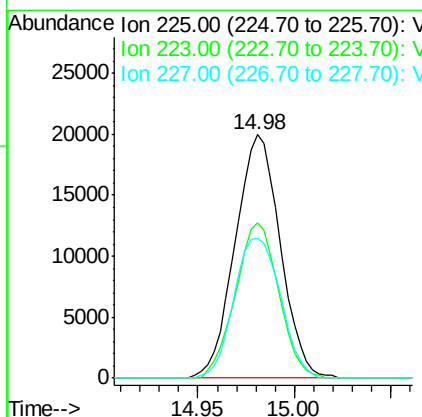
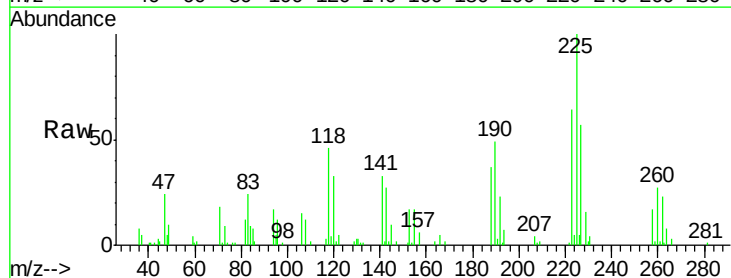
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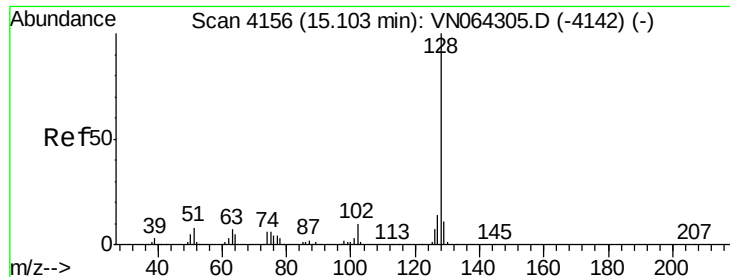
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#90
 Hexachlorobutadiene
 Concen: 17.204 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064305.D
 Acq: 26 Oct 2020 16:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	0.0	122.0
227	59.0	0.0	118.0





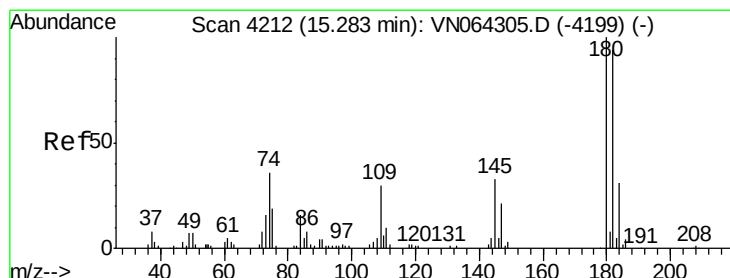
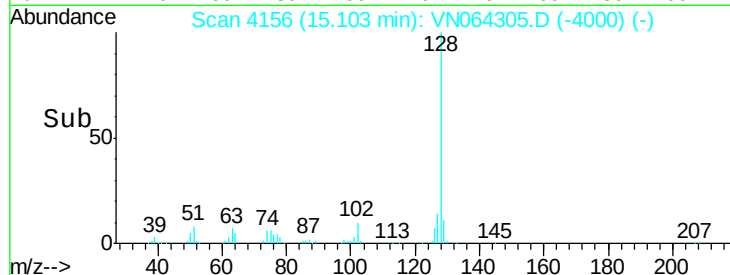
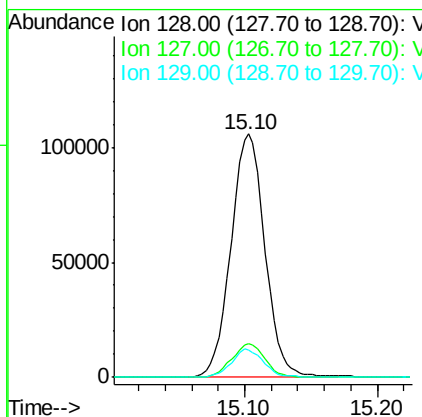
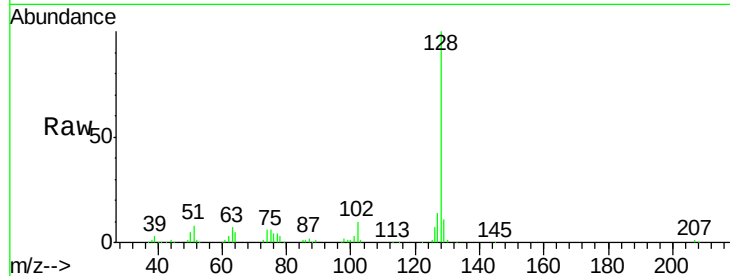
#91
Naphthalene
Concen: 18.344 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.0	8.8	13.2

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.657 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064305.D
Acq: 26 Oct 2020 16:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	0.0	190.0
145	33.9	0.0	67.8

