

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102620\
 Data File : VN064304.D
 Acq On : 26 Oct 2020 15:55
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 2:20:49 PM

Quant Time: Oct 26 16:47:10 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	51996	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	294901	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	267023	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	146456	32.05	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.83%
60) 4-Bromofluorobenzene	12.38	95	141421	29.76	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.20%
63) Toluene-d8	10.06	98	358229	30.06	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	19942	5.801 ug/l	91
3) Chloromethane	2.04	50	19957	5.644 ug/l	97
4) Vinyl Chloride	2.16	62	19466	5.465 ug/l	95
5) Bromomethane	2.54	94	12483	5.400 ug/l	94
6) Chloroethane	2.67	64	11153	5.395 ug/l	98
7) Trichlorofluoromethane	2.98	101	29869	5.016 ug/l	93
8) Diethyl Ether	3.37	74	9396	4.809 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.71	101	16584	5.651 ug/l	85
10) 1,1-Dichloroethene	3.69	96	15126	5.349 ug/l	99
11) Methyl Iodide	3.91	142	19763	4.848 ug/l	95
12) Methyl Acetate	4.28	43	18056m	5.386 ug/l	
13) Acrolein	3.57	56	6817	25.694 ug/l #	54
14) Acrylonitrile	4.93	53	34600	25.993 ug/l	93
15) Acetone	3.77	58	12400	30.460 ug/l	85
16) Carbon Disulfide	4.01	76	47209	5.744 ug/l #	90
17) Allyl chloride	4.28	41	28148m	5.185 ug/l	
18) Methylene Chloride	4.50	84	17293	5.191 ug/l	95
19) trans-1,2-Dichloroethene	4.98	96	17007m	5.365 ug/l	
20) Diisopropyl ether	5.90	45	54507	5.209 ug/l	98
21) 1,1-Dichloroethane	5.80	63	32961m	5.349 ug/l	
22) cis-1,2-Dichloroethene	6.78	96	19187	5.217 ug/l	98
23) tert-Butyl Alcohol	4.73	59	17851m	29.245 ug/l	
24) Methyl tert-Butyl Ether	4.98	73	57037	5.663 ug/l #	78
25) Chloroform	7.32	83	32769	4.924 ug/l	94
26) Cyclohexane	7.61	56	25714	5.353 ug/l #	98
29) 1,1-Dichloropropene	7.75	75	27021	5.418 ug/l	98
30) 2-Butanone	6.78	43	61238	27.474 ug/l	99
31) 2,2-Dichloropropane	6.77	77	32139m	5.185 ug/l	
32) 1,1,1-Trichloroethane	7.52	97	31184	4.890 ug/l	97
33) Carbon Tetrachloride	7.73	117	28917	5.054 ug/l	93
34) Benzene	8.00	78	67697	4.960 ug/l #	63
35) Methacrylonitrile	7.14	41	13210m	5.891 ug/l	
36) 1,2-Dichloroethane	8.08	62	31815	5.387 ug/l #	93
37) Trichloroethene	8.80	130	18910	5.077 ug/l	94
38) Methylcyclohexane	9.05	83	25328	5.526 ug/l	99
39) 1,2-Dichloropropane	9.08	63	18099	4.921 ug/l	96
40) Dibromomethane	9.17	93	12575	4.941 ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

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 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)
41) Bromodichloromethane	9.37	83	27112	4.921	ug/l	99
42) Vinyl Acetate	5.84	43	248879	25.385	ug/l	98
43) Ethyl Acetate	6.88	43	21303	4.514	ug/l	98
44) Isopropyl Acetate	8.13	43	45817	5.432	ug/l	95
45) 1,4-Dioxane	9.16	88	7203m	132.475	ug/l	
46) Methyl methacrylate	9.17	41	20631	5.032	ug/l	93
47) n-amyl Acetate	12.05	43	32304	4.422	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	29810	4.814	ug/l	90
49) cis-1,3-Dichloropropene	9.81	75	31182	4.870	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	16743	4.922	ug/l #	85
51) Ethyl methacrylate	10.40	69	24582	4.695	ug/l	98
52) 1,3-Dichloropropane	10.68	76	29368	4.914	ug/l	96
53) Dibromochloromethane	10.87	129	18844	4.470	ug/l	93
54) 1,2-Dibromoethane	10.97	107	17386	4.780	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	55284	20.281	ug/l	98
56) Bromoform	12.10	173	12983	4.312	ug/l #	94
58) 4-Methyl-2-Pentanone	9.95	43	119875	26.046	ug/l	99
59) 2-Hexanone	10.72	43	89782	25.916	ug/l	100
61) Tetrachloroethene	10.60	164	18806	5.197	ug/l	97
62) Toluene	10.12	91	74153	4.966	ug/l	97
64) Chlorobenzene	11.41	112	46521	5.046	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	17549	4.742	ug/l	99
66) Ethyl Benzene	11.48	91	84058	4.890	ug/l	94
67) m/p-Xylenes	11.59	106	59605	9.424	ug/l	100
68) o-Xylene	11.92	106	30759	5.004	ug/l	96
69) Styrene	11.94	104	46952	4.573	ug/l	98
70) Isopropylbenzene	12.22	105	81158	4.974	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	21902	4.900	ug/l	95
72) 1,2,3-Trichloropropane	12.53	75	23898m	5.083	ug/l	
73) Bromobenzene	12.50	156	19198	4.830	ug/l	96
74) n-propylbenzene	12.56	91	90881	4.878	ug/l	99
75) 2-Chlorotoluene	12.65	91	55536	4.782	ug/l	97
76) 1,3,5-Trimethylbenzene	12.70	105	67411	4.878	ug/l	97
77) t-1,4-Dichloro-2-butene	12.27	75	7918	4.401	ug/l	95
78) 4-Chlorotoluene	12.75	91	57451	4.771	ug/l	97
79) tert-butylbenzene	12.97	119	58293	5.183	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	67654	4.820	ug/l	98
81) sec-Butylbenzene	13.14	105	77874	5.340	ug/l	99
82) p-Isopropyltoluene	13.26	119	68307	5.103	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	32683	4.692	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	32837	4.643	ug/l	98
85) n-Butylbenzene	13.59	91	63112	5.394	ug/l	97
86) Hexachloroethane	13.85	117	11592	5.002	ug/l	86
87) 1,2-Dichlorobenzene	13.63	146	32773	4.803	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.24	75	4860	4.446	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	18232	4.729	ug/l	97
90) Hexachlorobutadiene	14.98	225	11532	5.489	ug/l	90
91) Naphthalene	15.10	128	47522	4.159	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	17315	4.677	ug/l	94

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

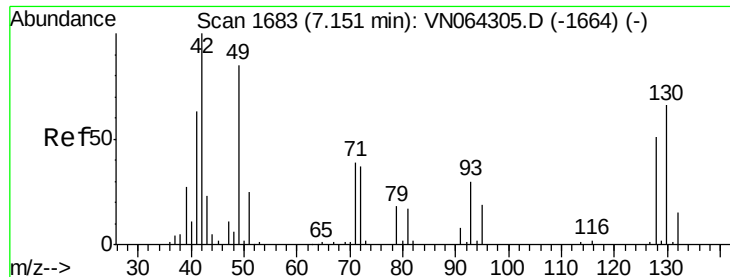
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 16:34:22 2020
Response via : Initial Calibration

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:128 Resp: 51996

Ion Ratio Lower Upper

128 100

49 177.0 0.0 439.5

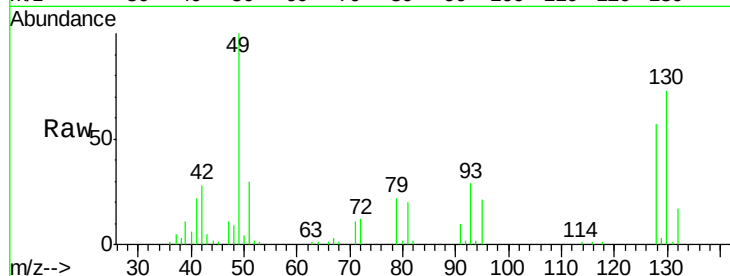
130 125.7 0.0 323.8

Manual Integrations

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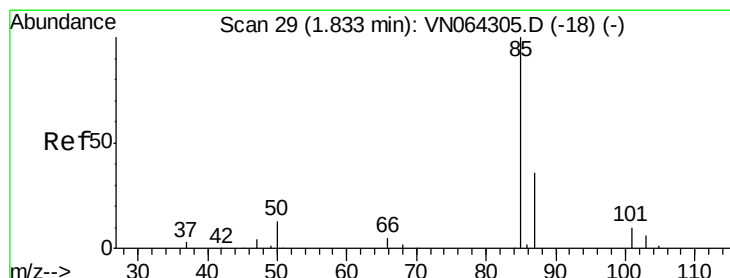
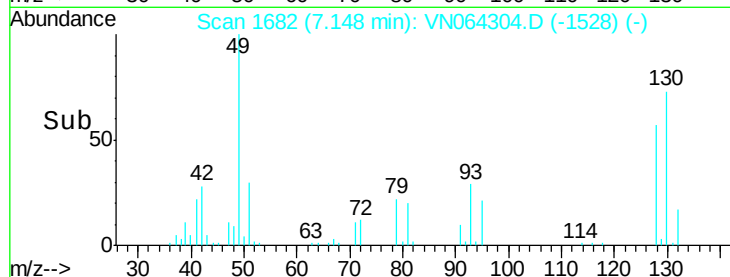
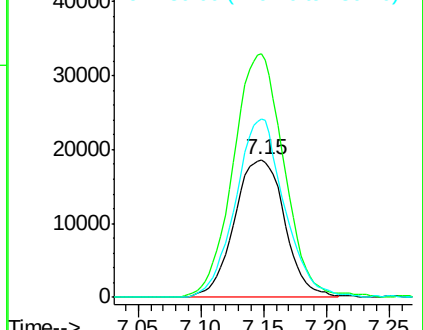
10/27/2020 2:20:49 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 5.801 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064304.D

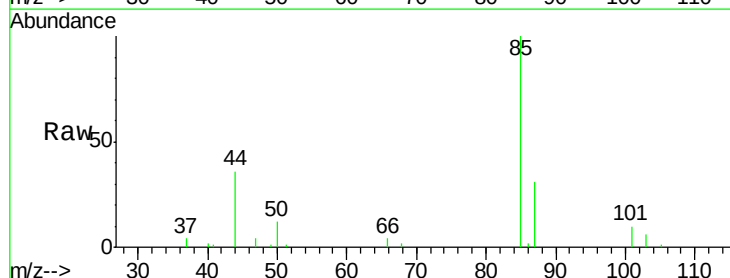
Acq: 26 Oct 2020 15:55

Tgt Ion: 85 Resp: 19942

Ion Ratio Lower Upper

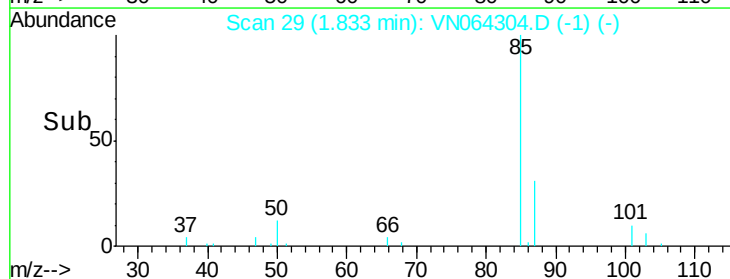
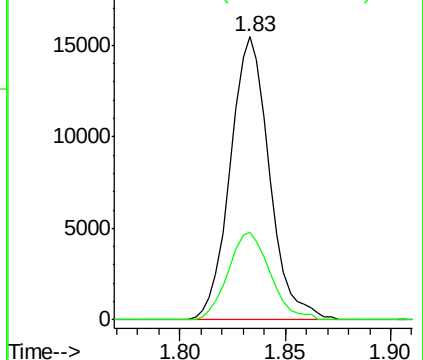
85 100

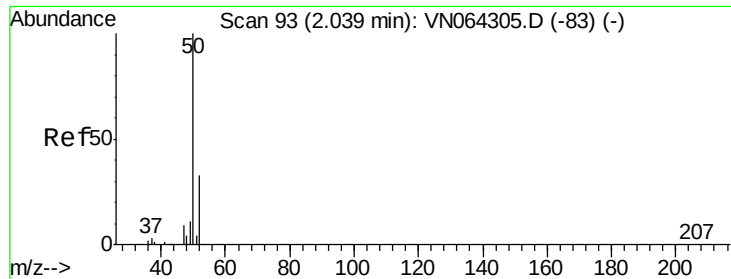
87 30.9 18.1 54.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





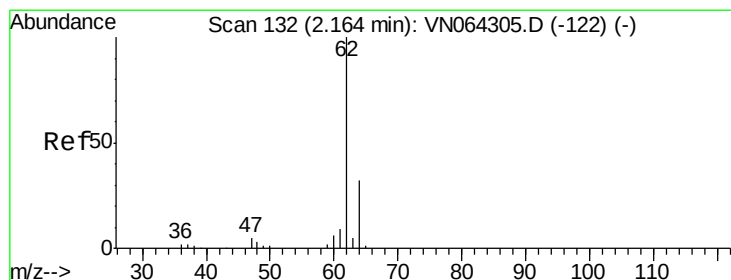
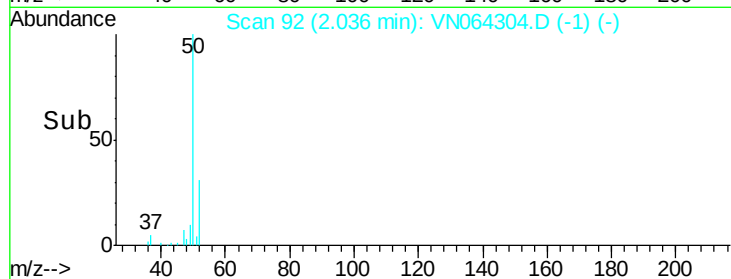
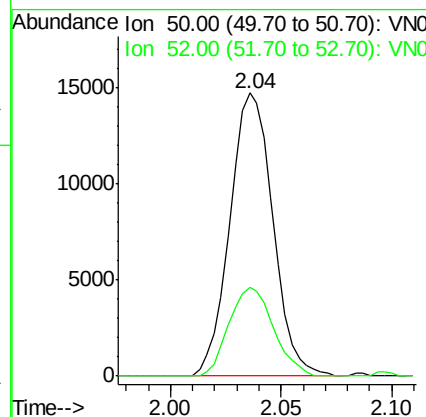
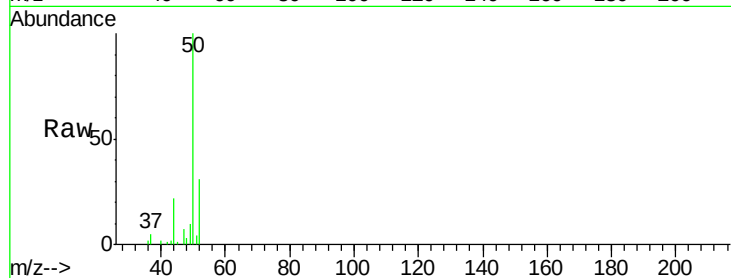
#3
Chloromethane
Concen: 5.644 ug/l
RT: 2.04 min Scan# 92
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.2	39.2

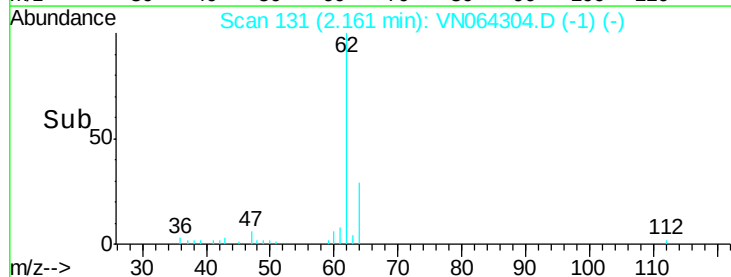
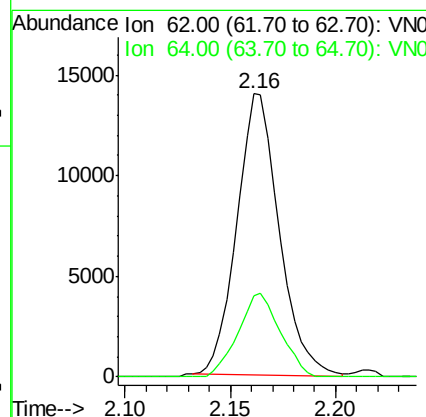
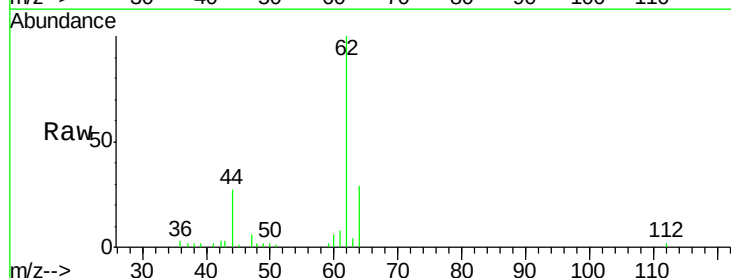
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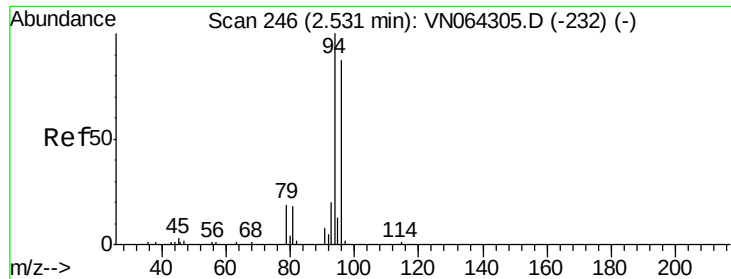
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#4
Vinyl Chloride
Concen: 5.465 ug/l
RT: 2.16 min Scan# 131
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
62	100		
64	29.2	25.5	38.3





#5

Bromomethane

Concen: 5.400 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 12483

Ion Ratio Lower Upper

94 100

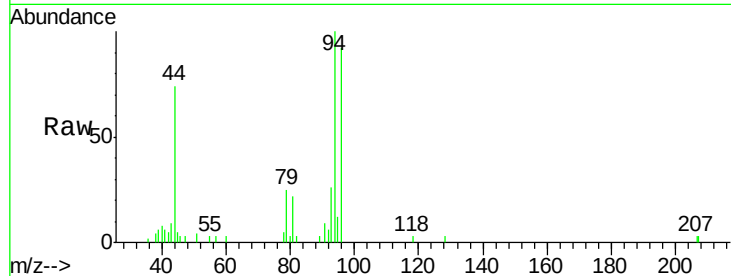
96 92.2 69.4 104.0

Manual Integrations

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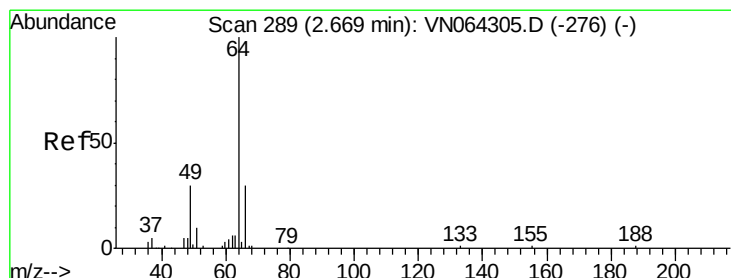
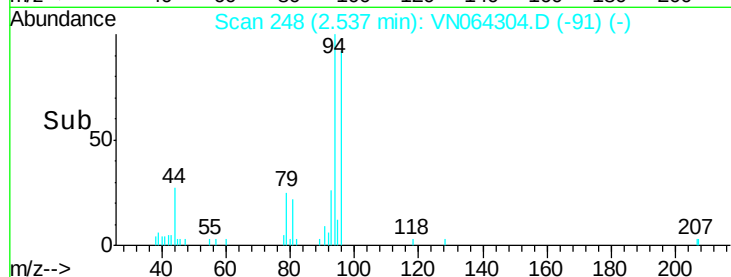
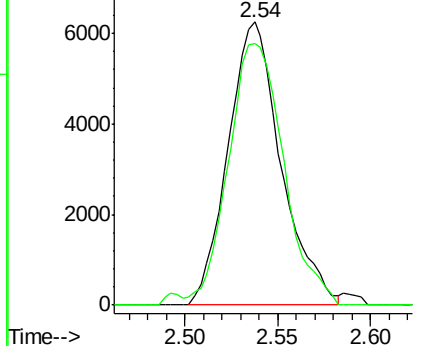
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 5.395 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064304.D

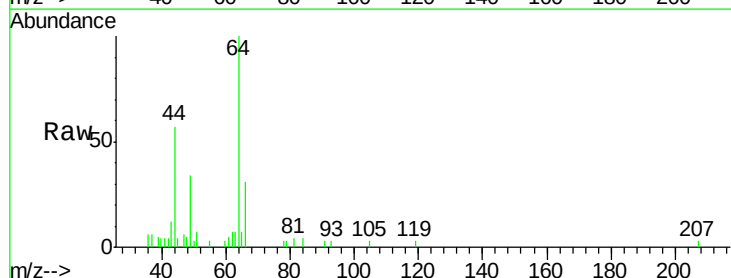
Acq: 26 Oct 2020 15:55

Tgt Ion: 64 Resp: 11153

Ion Ratio Lower Upper

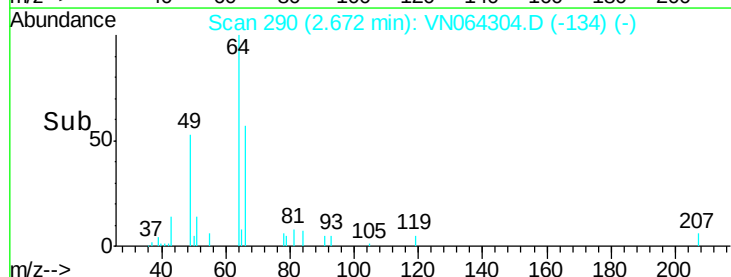
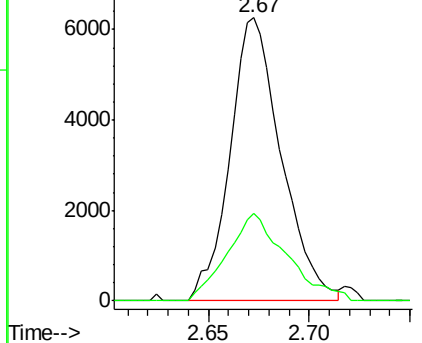
64 100

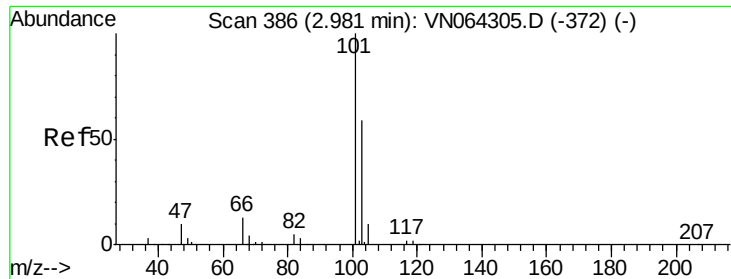
66 31.0 24.1 36.1



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

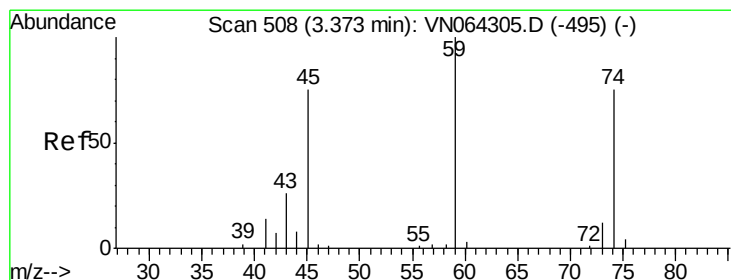
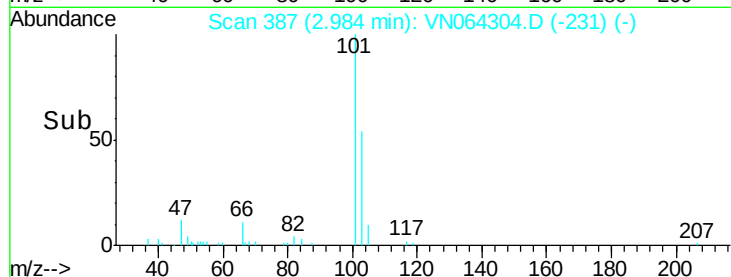
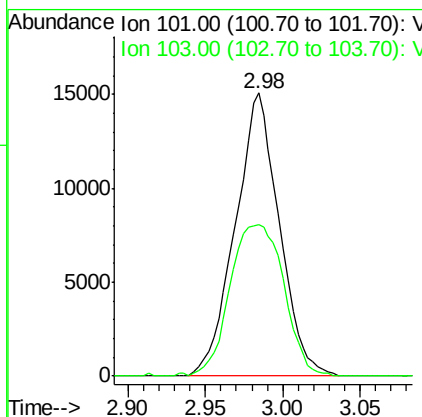
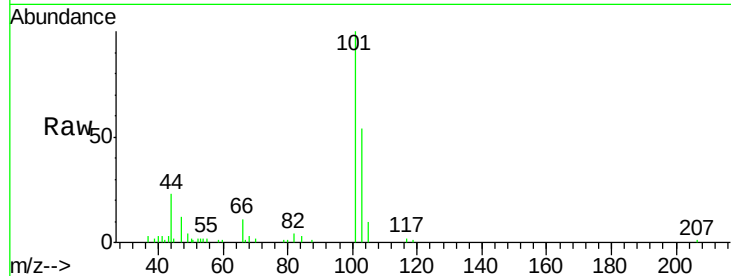
Trichlorofluoromethane
 Concen: 5.016 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	53.7	47.1	70.7

Manual Integrations
 APPROVED

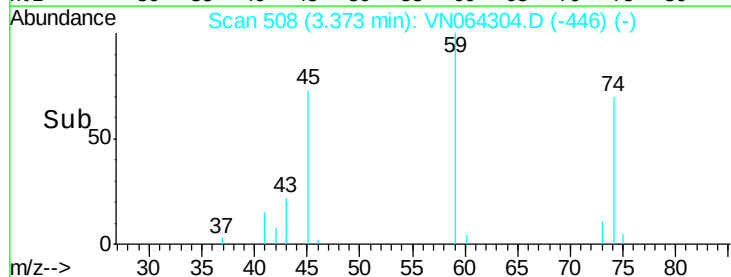
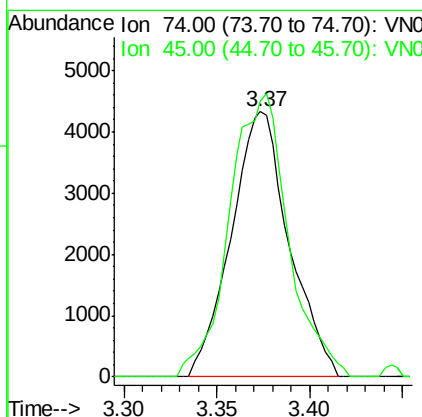
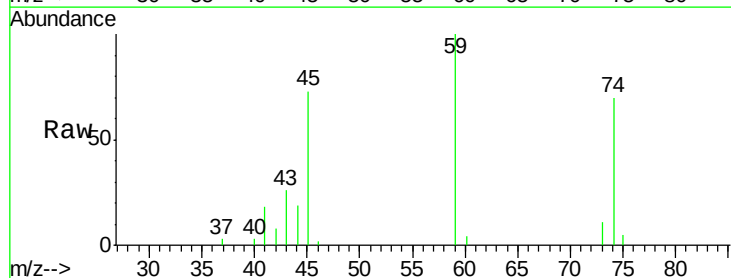
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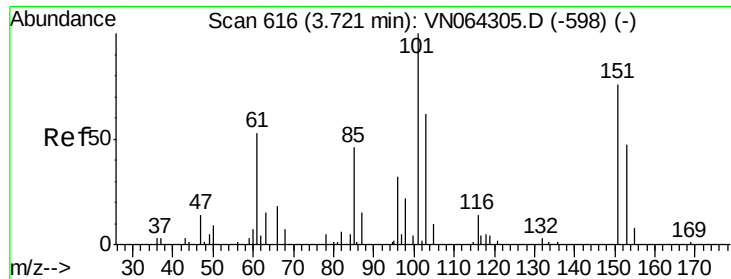


#8

Diethyl Ether
 Concen: 4.809 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.7	20.4	183.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.651 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.01 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

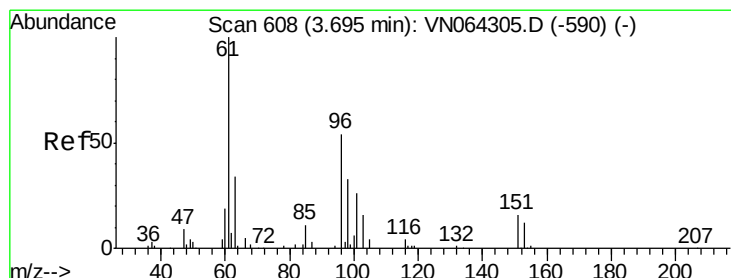
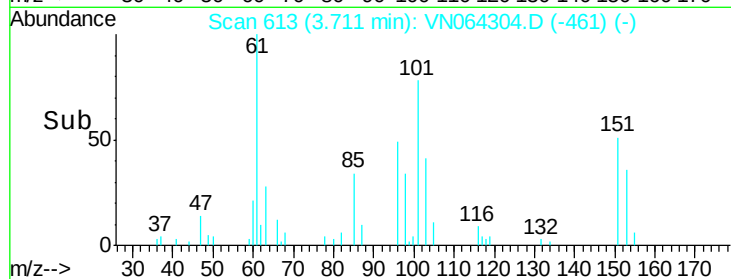
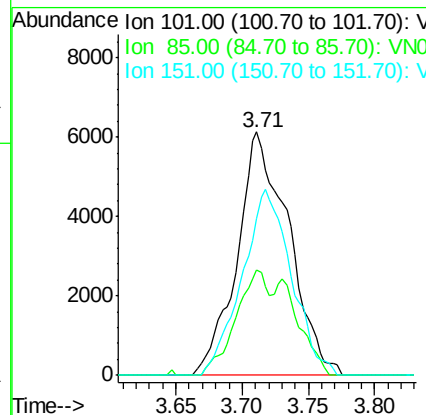
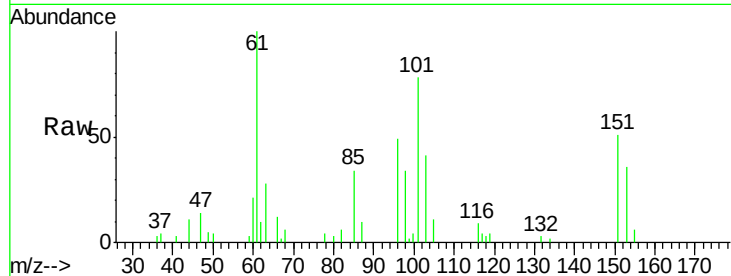
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	16584
Ion Ratio	Lower	Upper	
101	100		
85	27.1	0.0	96.2
151	73.2	0.0	154.4

Manual Integrations
APPROVED

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10/27/2020 2:20:49 PM



#10

1,1-Dichloroethene

Concen: 5.349 ug/l

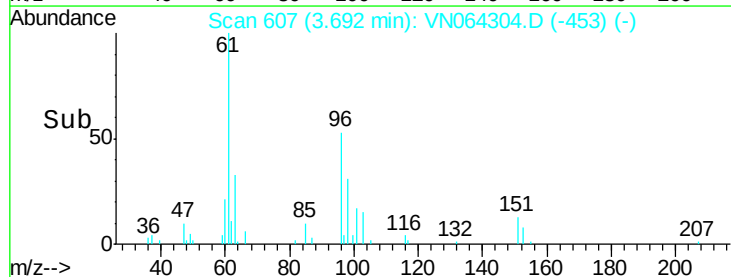
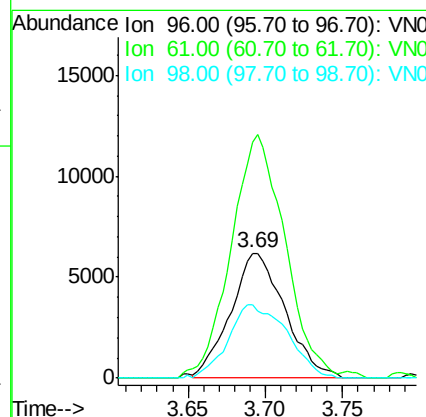
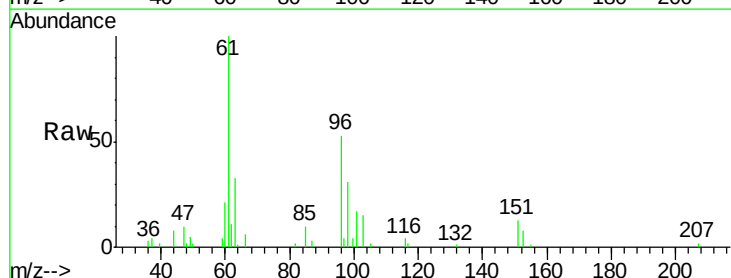
RT: 3.69 min Scan# 607

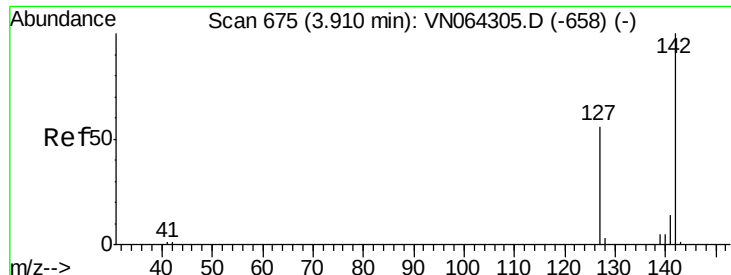
Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Tgt Ion:	96	Resp:	15126
Ion Ratio	Lower	Upper	
96	100		
61	184.4	147.4	221.2
98	58.6	48.8	73.2





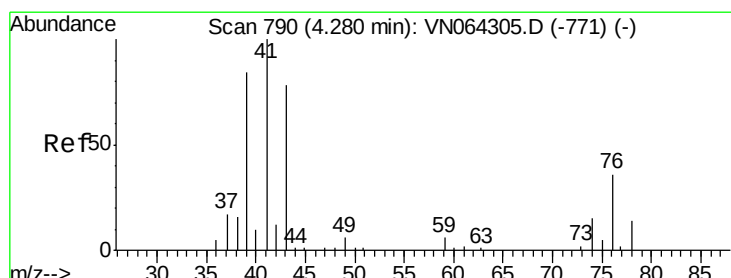
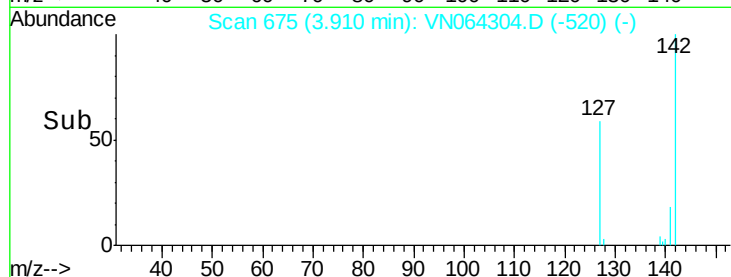
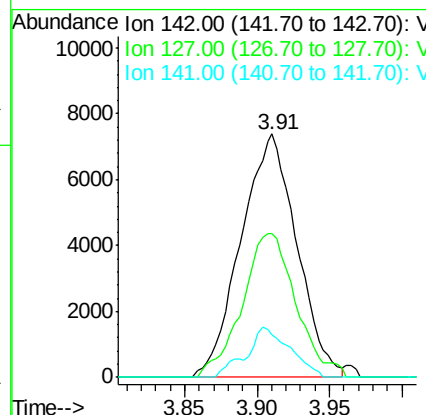
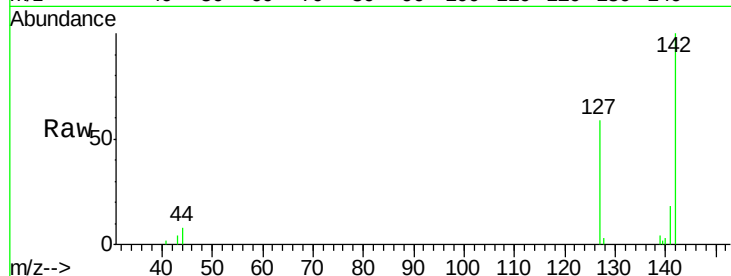
#11
Methyl Iodide
Concen: 4.848 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	58.4	27.9	83.7
141	18.0	7.1	21.3

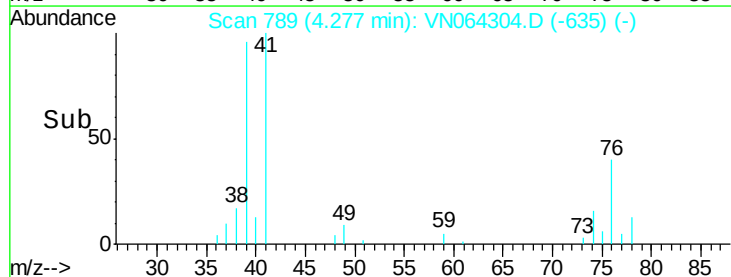
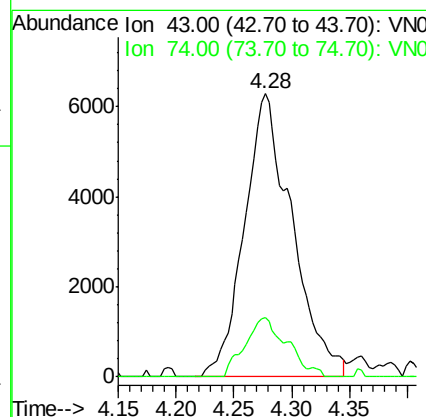
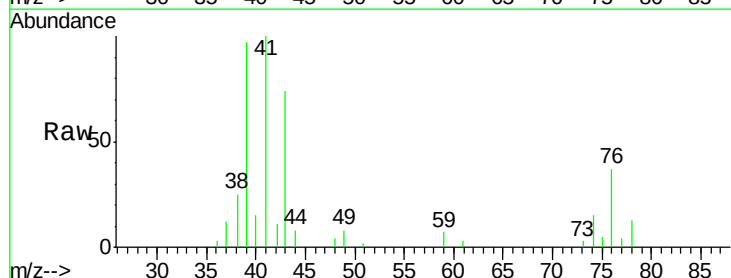
Manual Integrations
APPROVED

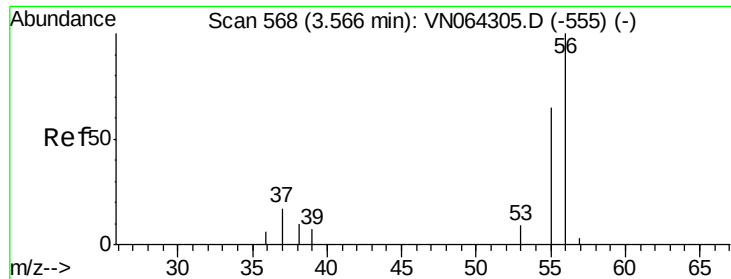
MMDadoda
10/27/2020 2:20:49 PM



#12
Methyl Acetate
Concen: 5.386 ug/l m
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	15.4	23.0





#13

Acrolein

Concen: 25.694 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 6817

Ion Ratio Lower Upper

56 100

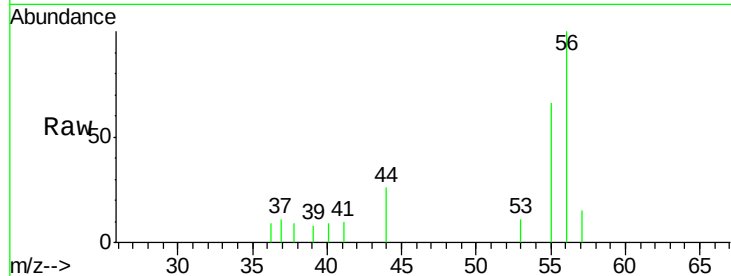
55 31.4 55.5 83.3#

Manual Integrations

APPROVED

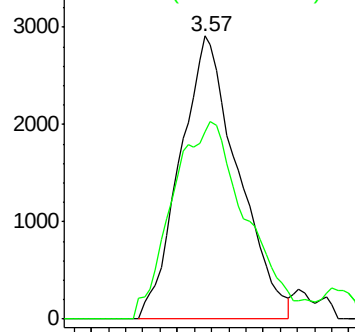
MMDadoda

10/27/2020 2:20:49 PM

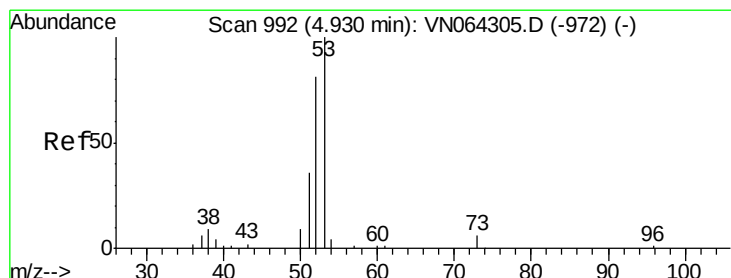
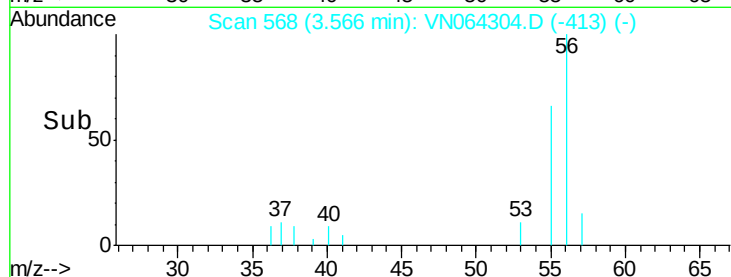


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Acrylonitrile

Concen: 25.993 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

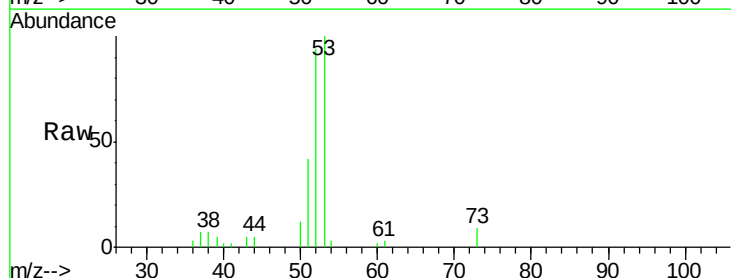
Tgt Ion: 53 Resp: 34600

Ion Ratio Lower Upper

53 100

52 77.0 41.7 125.1

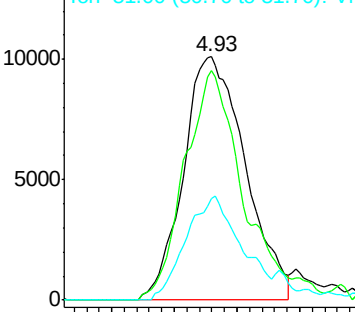
51 34.5 19.4 58.2



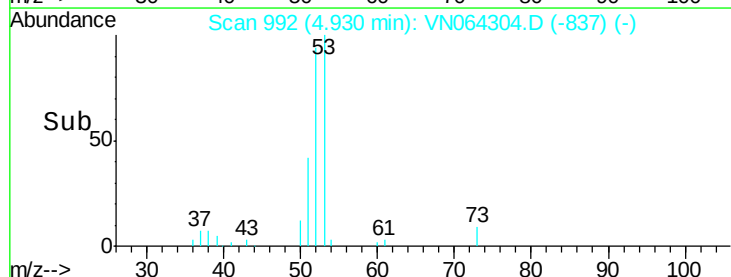
Abundance Ion 53.00 (52.70 to 53.70): VN0

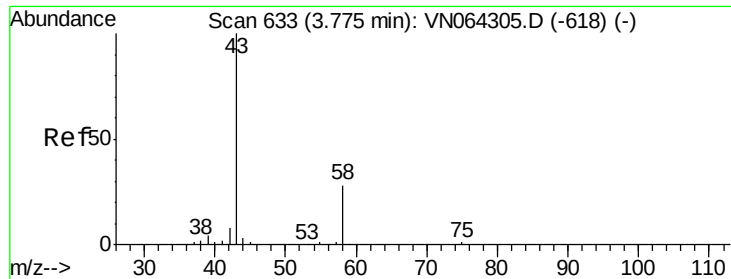
Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->





#15

Acetone

Concen: 30.460 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 12400

Ion Ratio Lower Upper

58 100

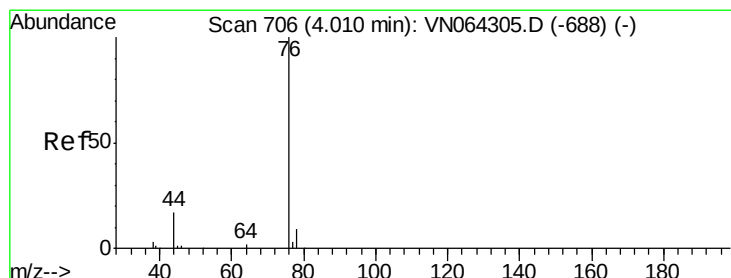
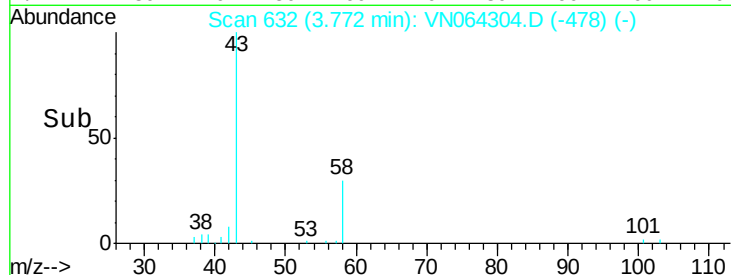
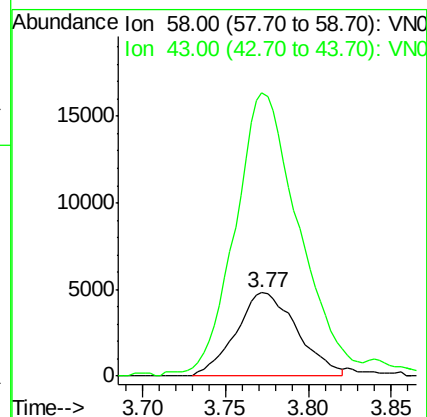
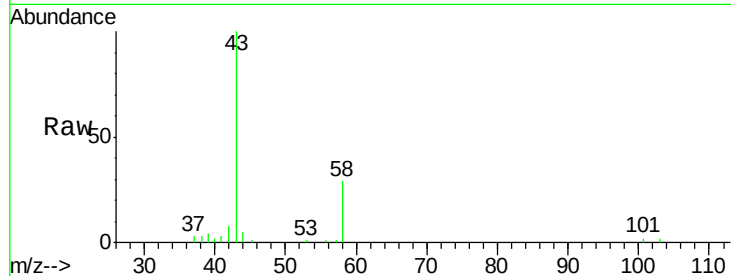
43 330.1 289.9 434.9

Manual Integrations

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#16

Carbon Disulfide

Concen: 5.744 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN064304.D

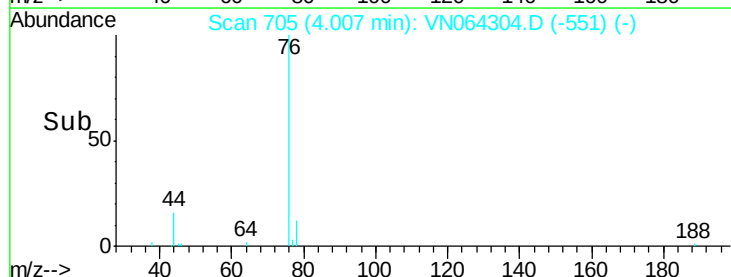
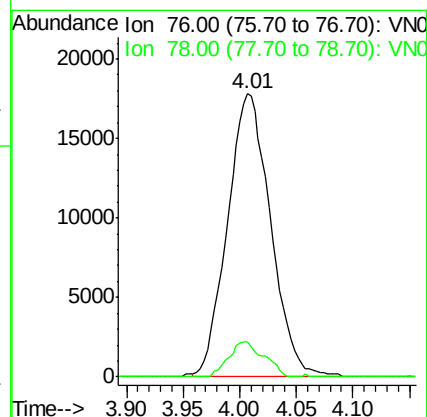
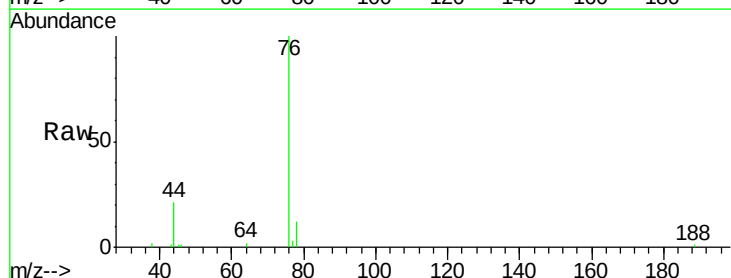
Acq: 26 Oct 2020 15:55

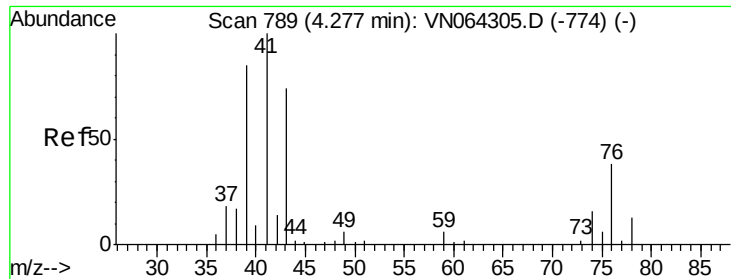
Tgt Ion: 76 Resp: 47209

Ion Ratio Lower Upper

76 100

78 12.3 7.0 10.4#





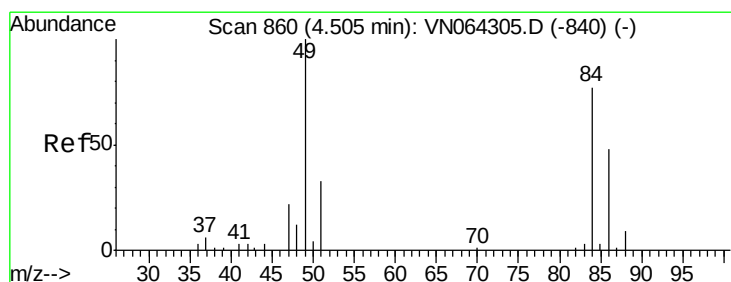
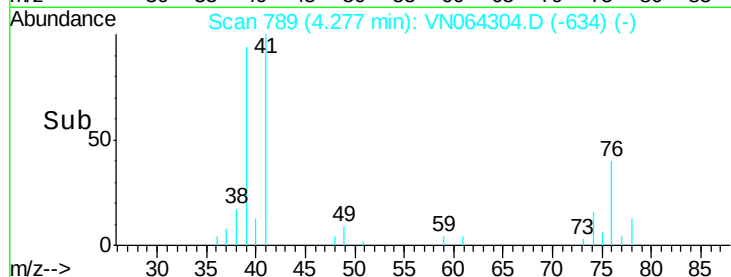
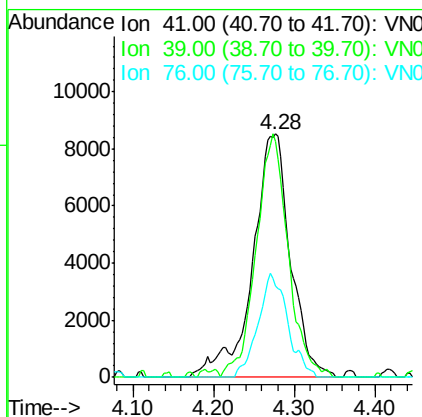
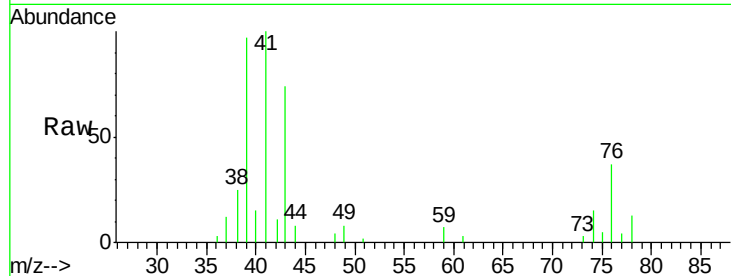
#17
Allvl chloride
Concen: 5.185 ug/l m
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	97.0	40.3	120.9
76	37.5	17.6	52.9

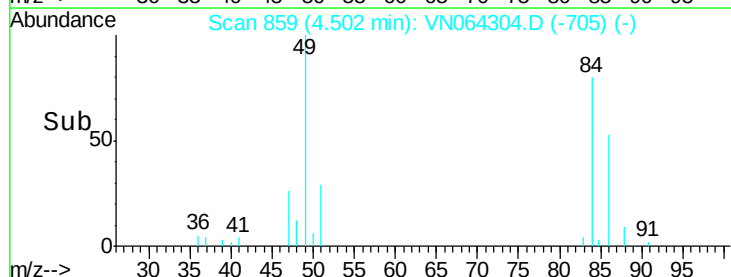
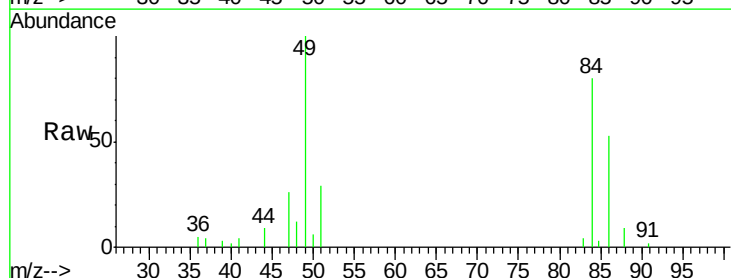
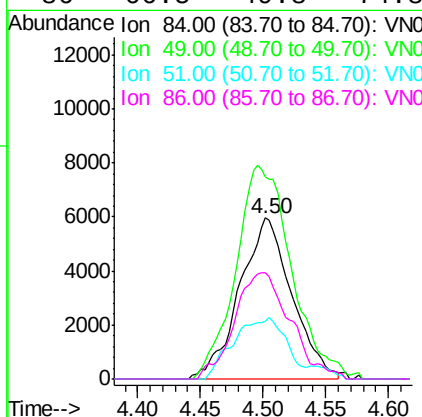
Manual Integrations
APPROVED

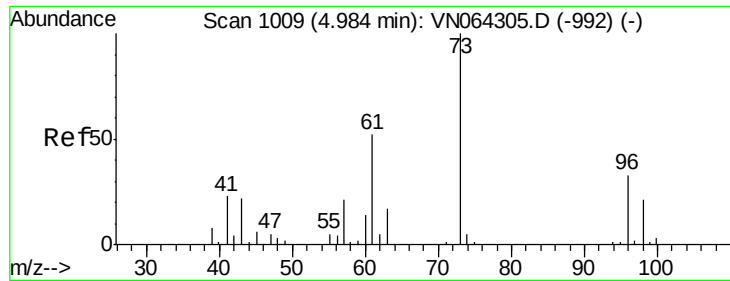
MMDadoda
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#18
Methylene Chloride
Concen: 5.191 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.7	103.1	154.7
51	36.1	33.8	50.8
86	66.5	49.8	74.8





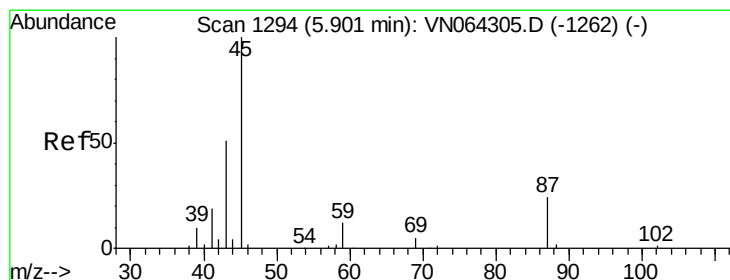
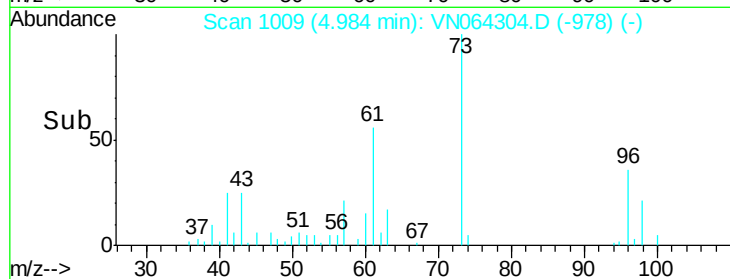
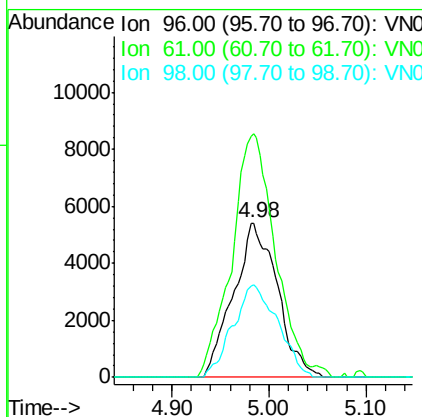
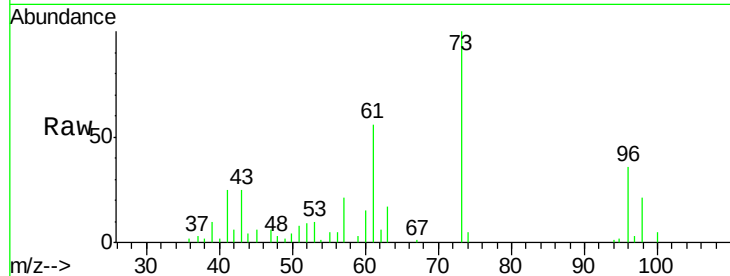
#19
trans-1,2-Dichloroethene
Concen: 5.365 ug/l m
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.1	126.9	190.3
98	59.8	50.6	76.0

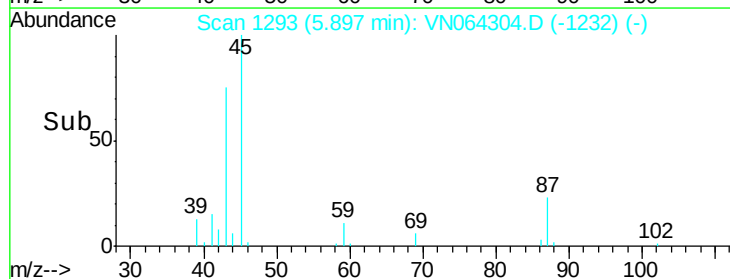
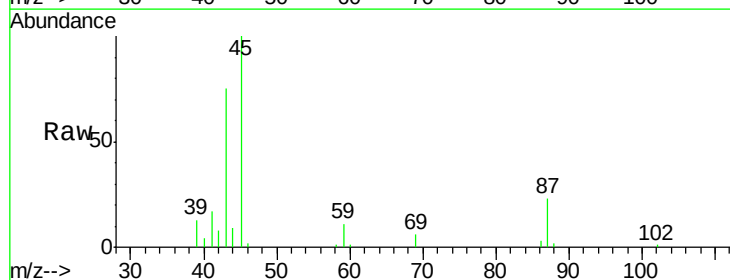
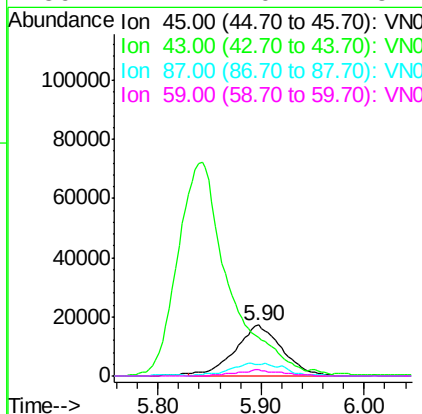
Manual Integrations
APPROVED

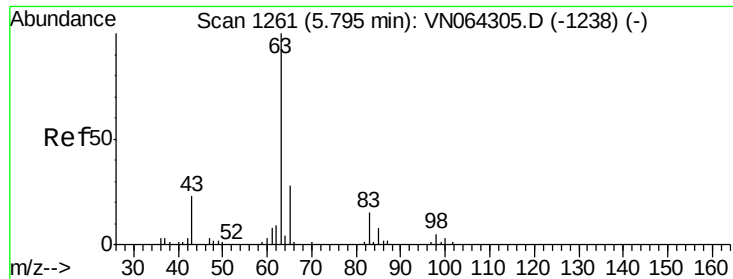
MMDadoda
10/27/2020 2:20:49 PM



#20
Diisopropyl ether
Concen: 5.209 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.4	56.6	85.0
87	22.5	20.3	30.5
59	11.4	10.1	15.1





#21

1,1-Dichloroethane

Concen: 5.349 ug/l m

RT: 5.80 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

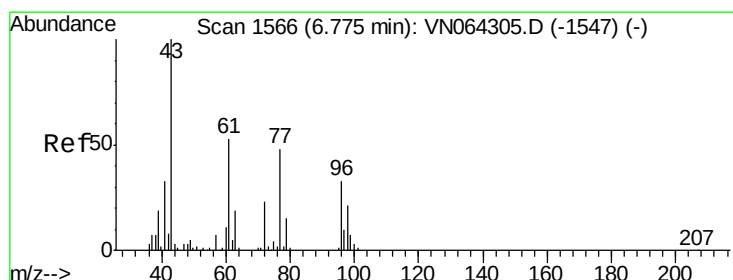
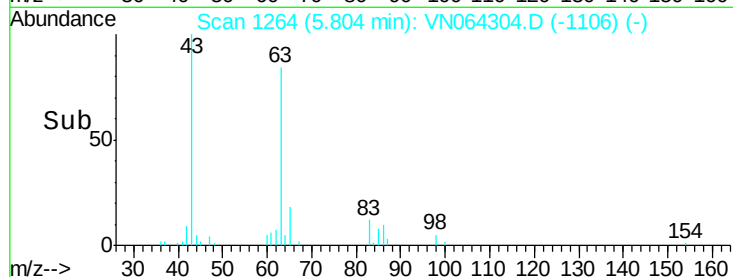
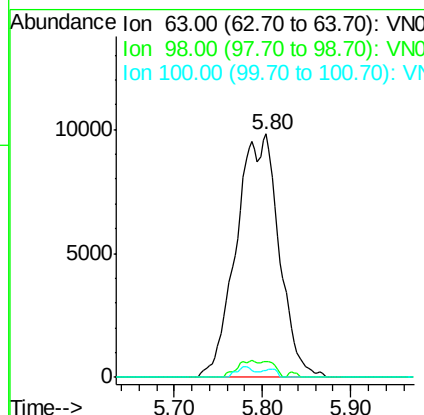
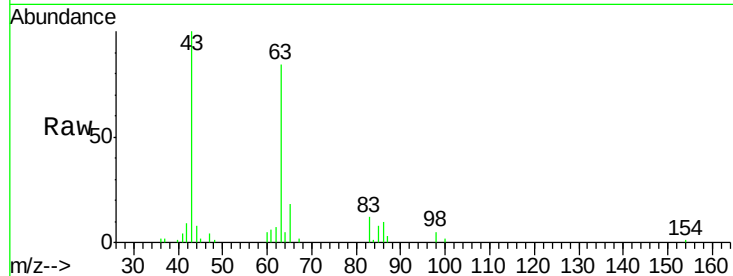
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	32961
Ion Ratio	Lower	Upper	
63	100		
98	6.5	2.6	8.0
100	3.0	1.6	4.8

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 5.217 ug/l

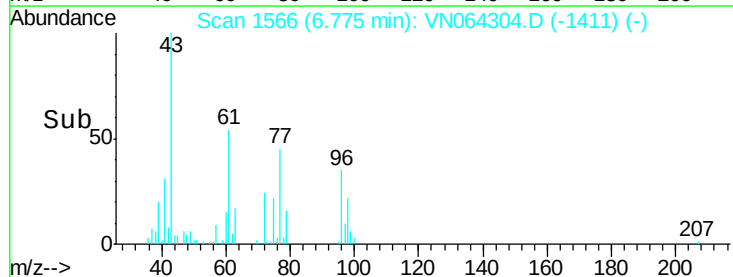
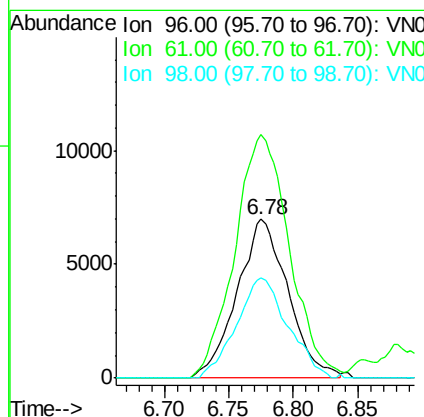
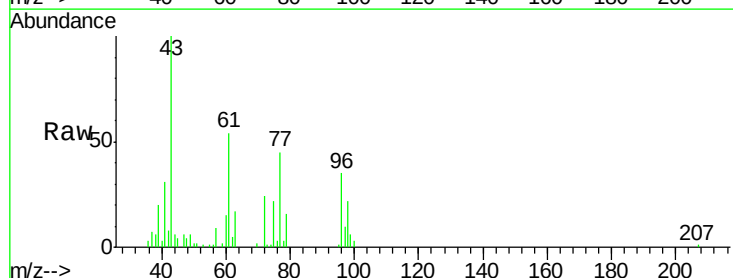
RT: 6.78 min Scan# 1566

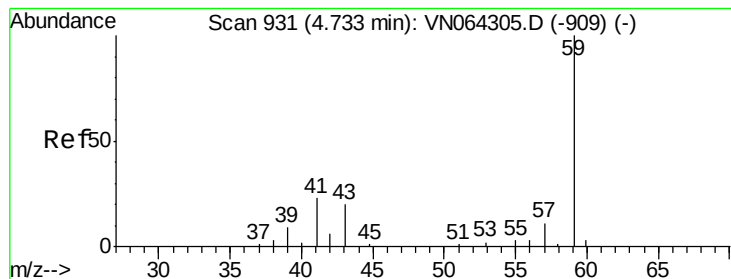
Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Tgt Ion:	96	Resp:	19187
Ion Ratio	Lower	Upper	
96	100		
61	163.9	133.0	199.6
98	63.5	51.6	77.4





#23

tert-Butyl Alcohol

Concen: 29.245 ug/l m

RT: 4.73 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 59 Resp: 17851

Ion Ratio Lower Upper

59 100

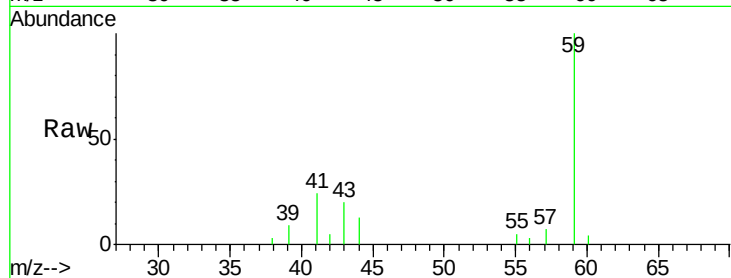
52 0.0 0.0 0.0

Manual Integrations

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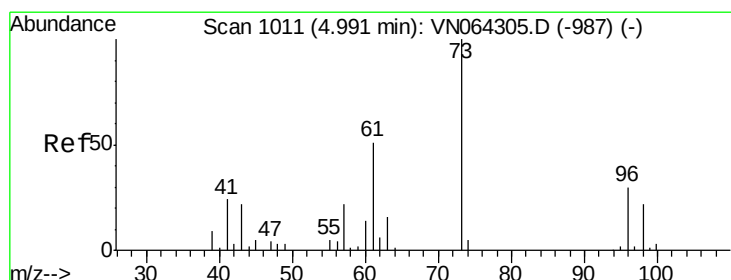
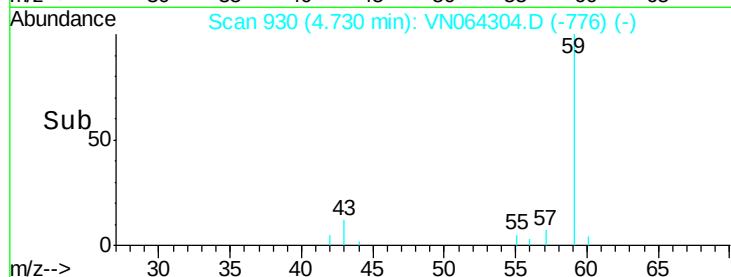
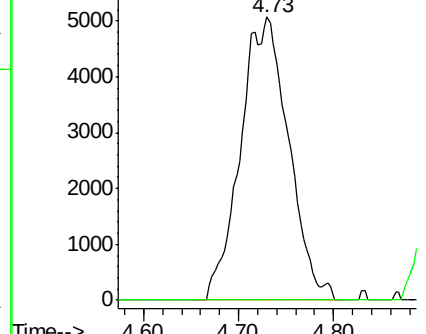
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VN064305.D (-909) (-)

Ion 52.00 (51.70 to 52.70): VN064305.D (-909) (-)



#24

Methyl tert-Butyl Ether

Concen: 5.663 ug/l

RT: 4.98 min Scan# 1008

Delta R.T. -0.01 min

Lab File: VN064304.D

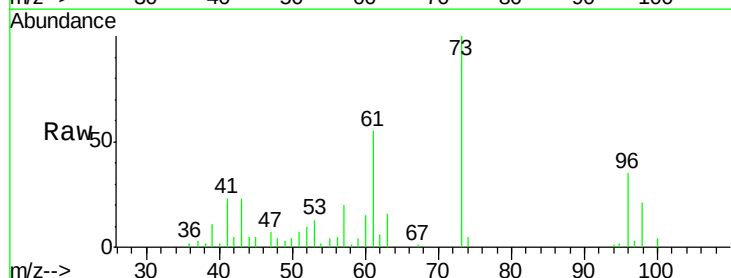
Acq: 26 Oct 2020 15:55

Tgt Ion: 73 Resp: 57037

Ion Ratio Lower Upper

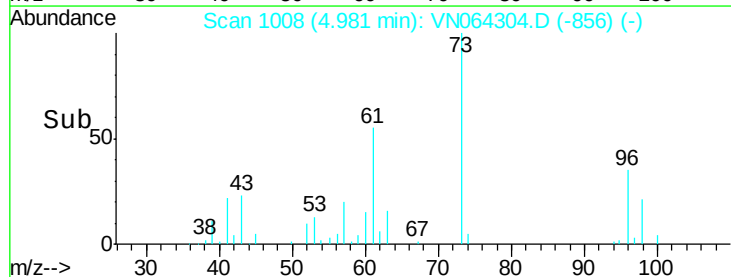
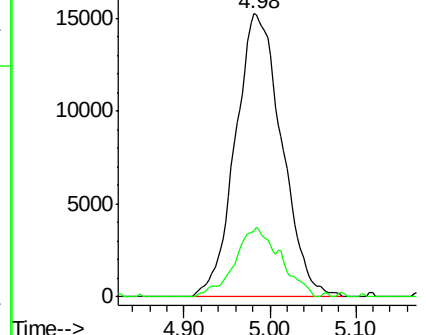
73 100

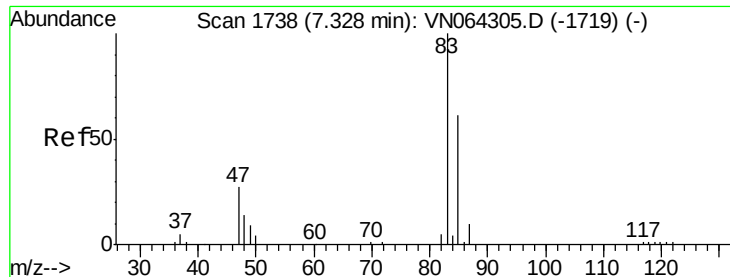
43 13.6 19.4 29.2#



Abundance Ion 73.00 (72.70 to 73.70): VN064305.D (-987) (-)

Ion 43.00 (42.70 to 43.70): VN064305.D (-987) (-)





#25

Chloroform

Concen: 4.924 ug/l

RT: 7.32 min Scan# 1736

Delta R.T. -0.01 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 32769

Ion Ratio Lower Upper

83 100

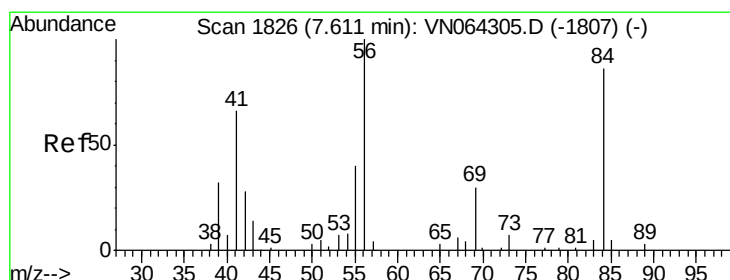
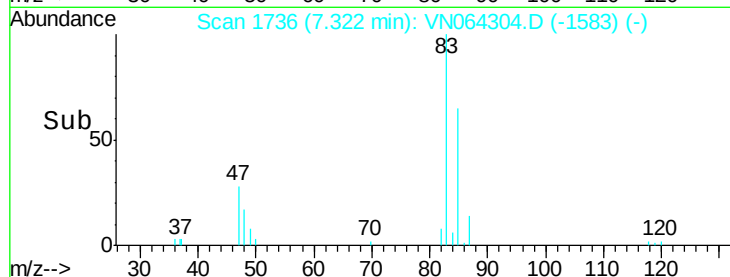
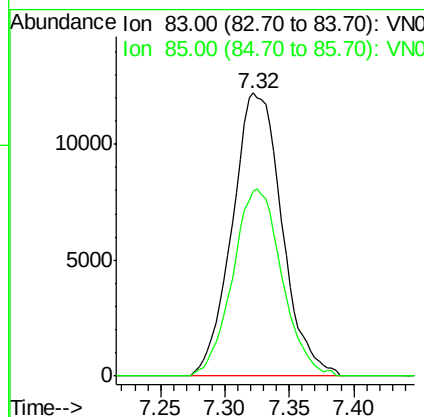
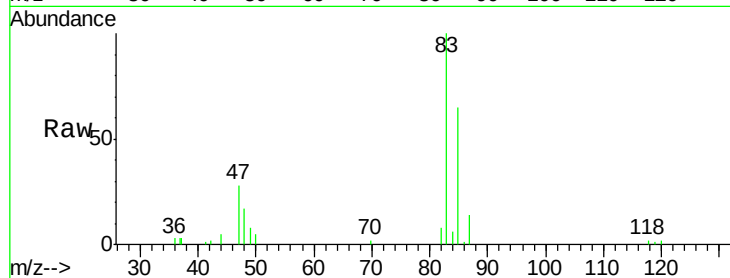
85 65.1 48.6 73.0

Manual Integrations

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MMDadoda

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#26

Cyclohexane

Concen: 5.353 ug/l

RT: 7.61 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

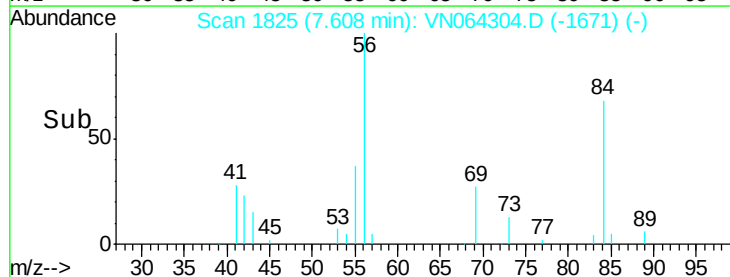
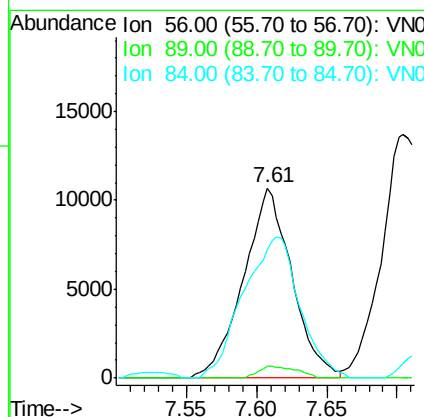
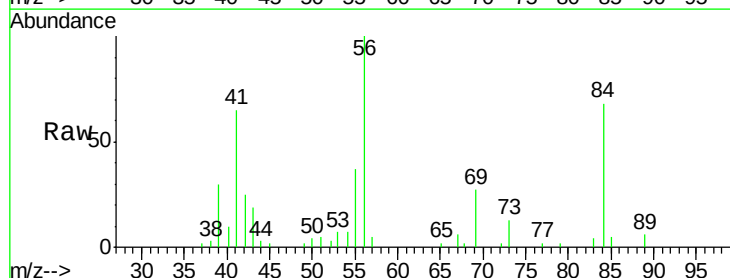
Tgt Ion: 56 Resp: 25714

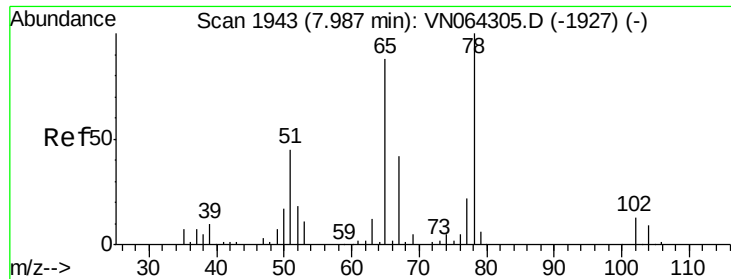
Ion Ratio Lower Upper

56 100

89 4.9 1.0 1.6#

84 86.2 67.5 101.3





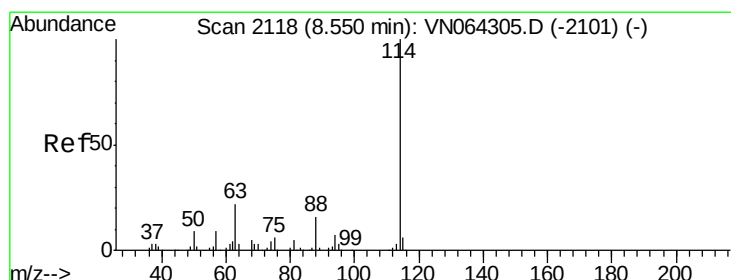
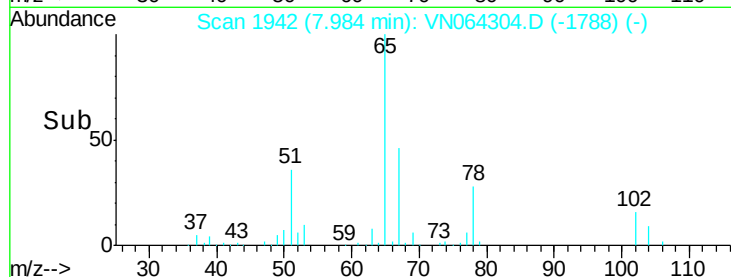
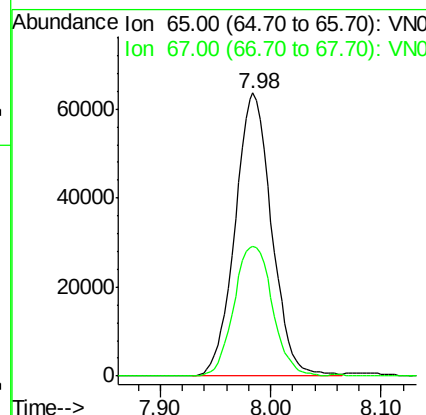
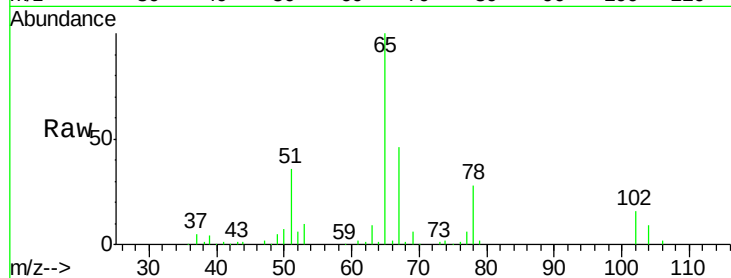
#27
 1,2-Dichloroethane-d4
 Concen: 32.054 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.3	38.5	57.7

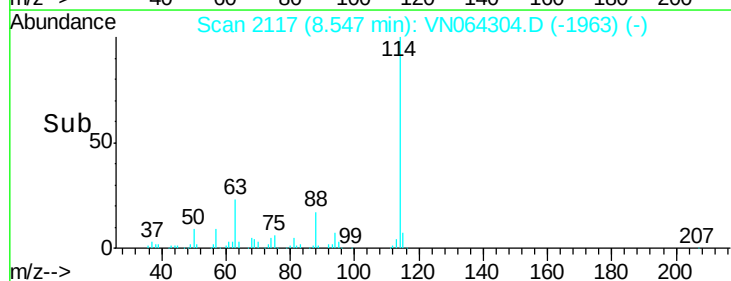
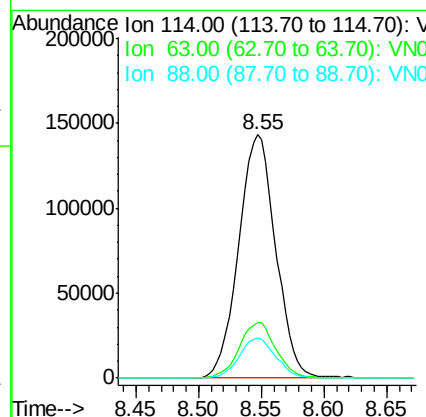
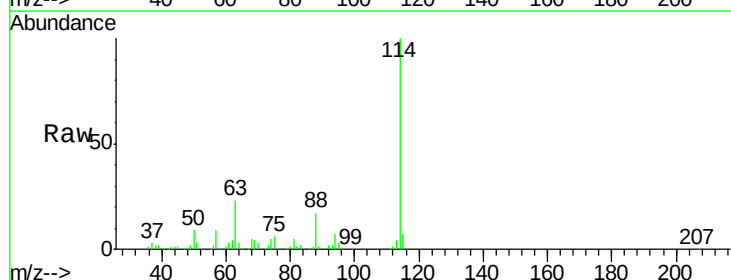
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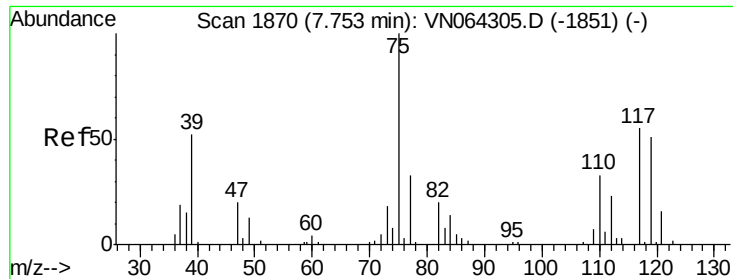
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	18.3	27.5
88	16.3	13.2	19.8





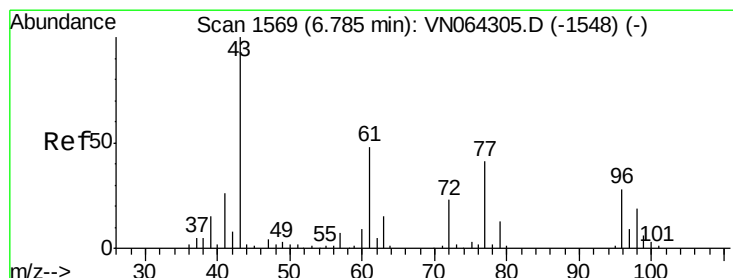
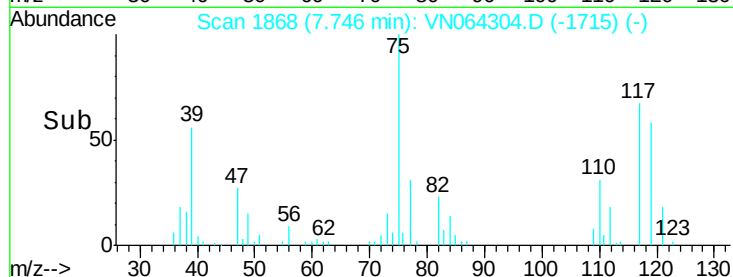
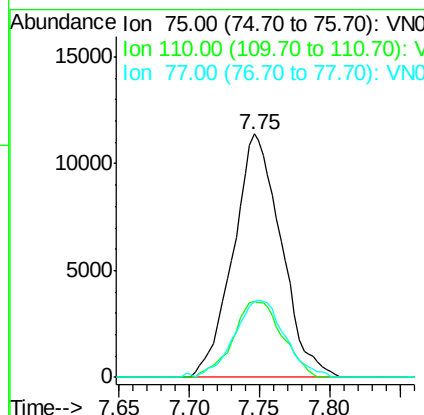
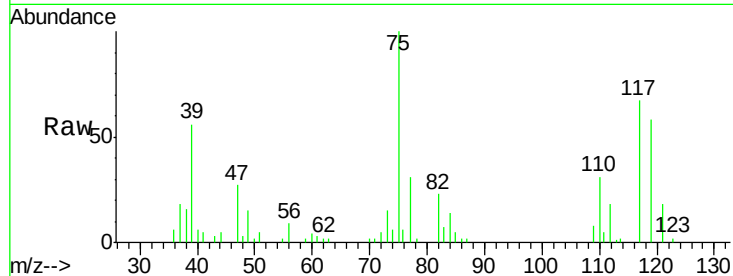
#29
 1,1-Dichloropropene
 Concen: 5.418 ug/l
 RT: 7.75 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.1	0.0	64.4
77	33.4	0.0	63.6

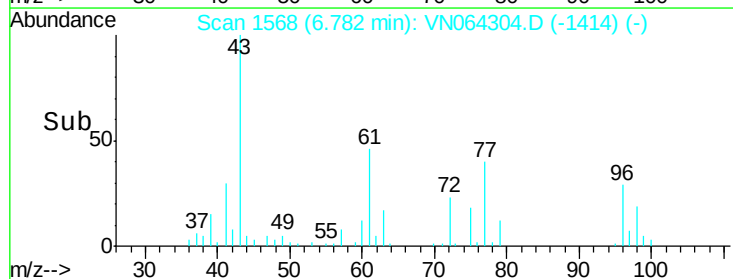
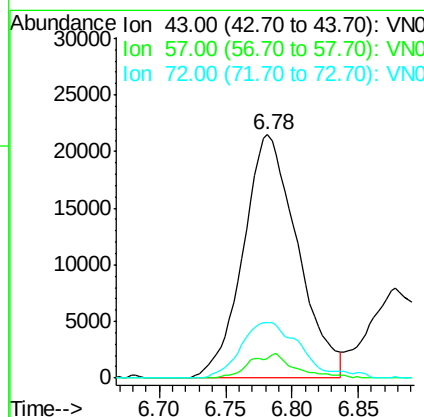
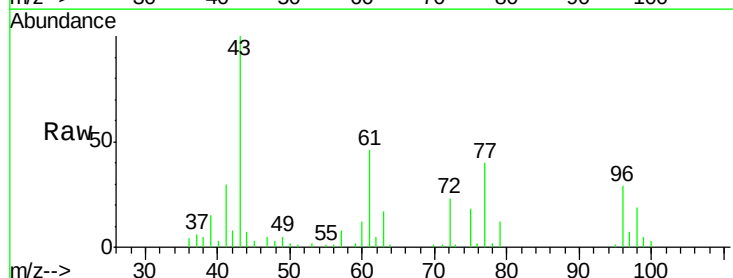
Manual Integrations
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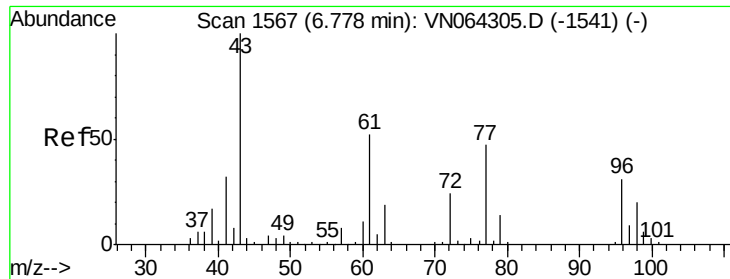
MMDadoda
 10/27/2020 2:20:49 PM



#30
 2-Butanone
 Concen: 27.474 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	5.1	4.1	6.1
72	24.1	19.0	28.6





#31

2,2-Dichloropropane

Concen: 5.185 ug/l m

RT: 6.77 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 77 Resp: 32139

Ion Ratio Lower Upper

77 100

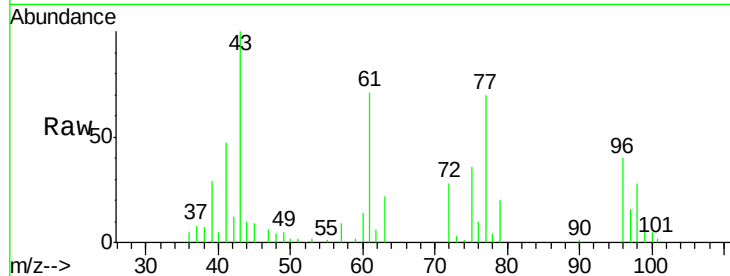
97 15.9 5.8 8.8#

Manual Integrations

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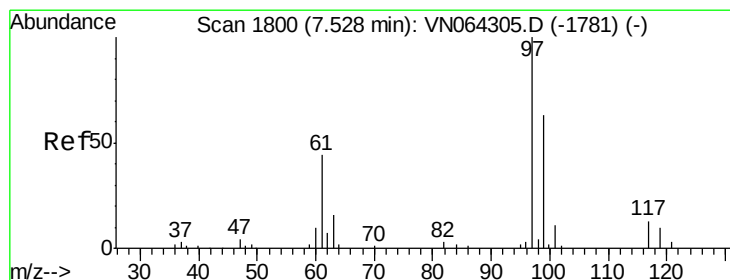
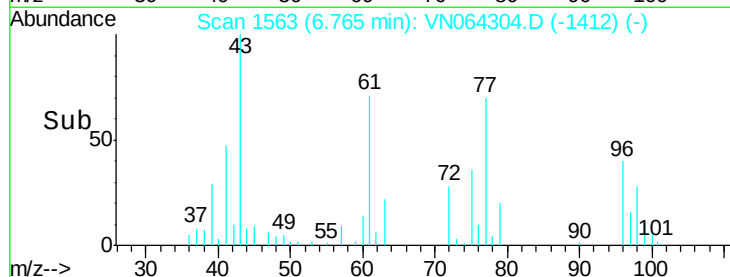
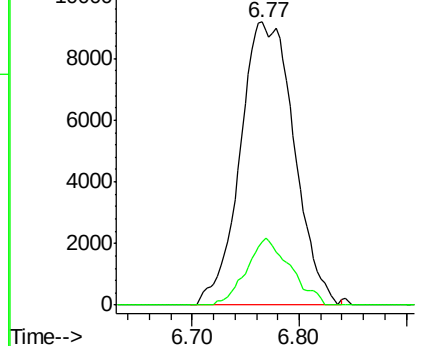
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Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 4.890 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

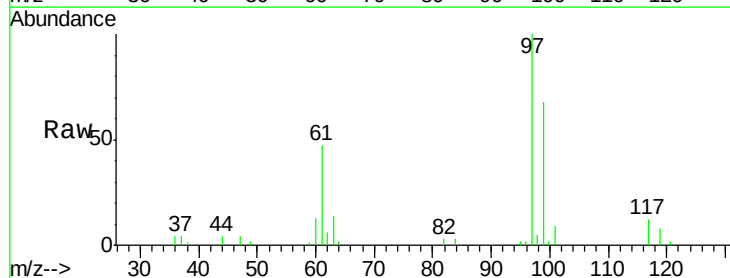
Tgt Ion: 97 Resp: 31184

Ion Ratio Lower Upper

97 100

99 67.3 51.6 77.4

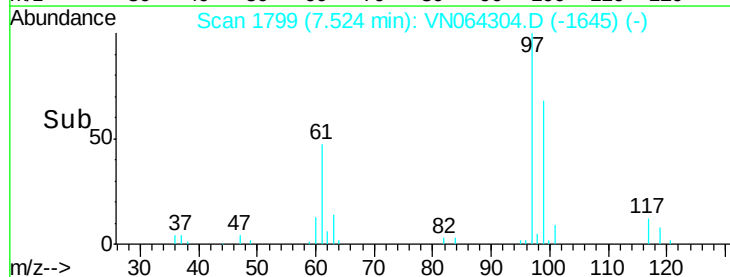
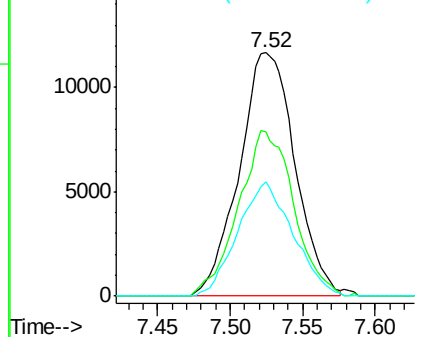
61 46.4 36.4 54.6

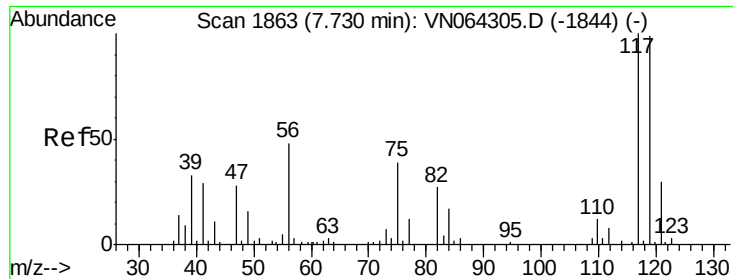


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 5.054 ug/l

RT: 7.73 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

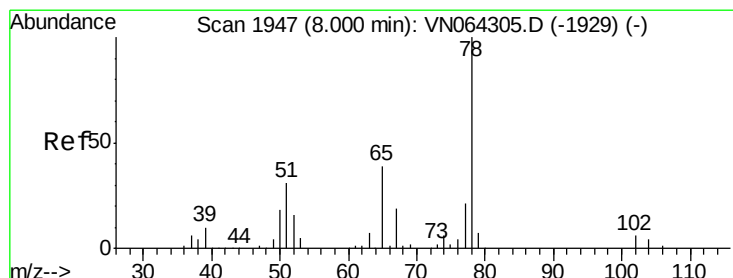
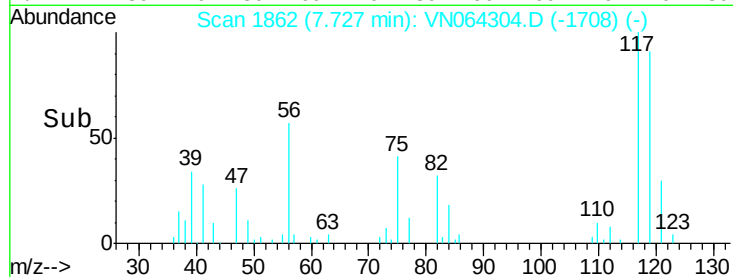
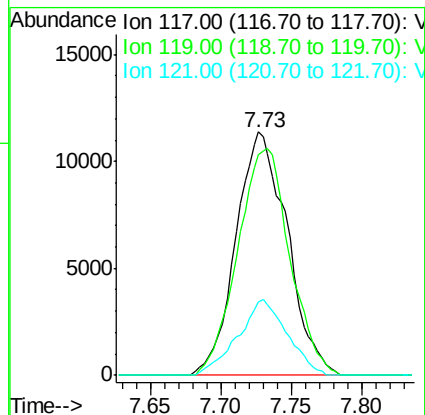
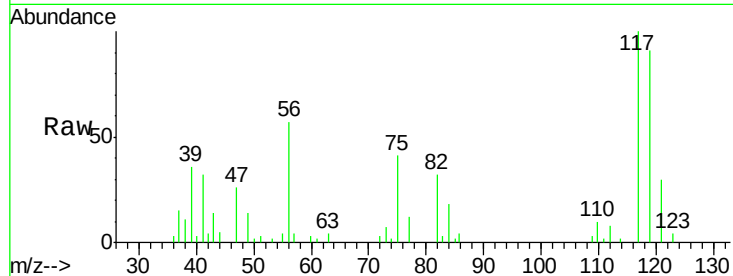
ClientSampleId :

VSTDIC005

Tot Ion:	117	Resp:	28917
Ion Ratio	Lower	Upper	
117	100		
119	90.6	79.3	118.9
121	30.2	24.6	37.0

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#34

Benzene

Concen: 4.960 ug/l

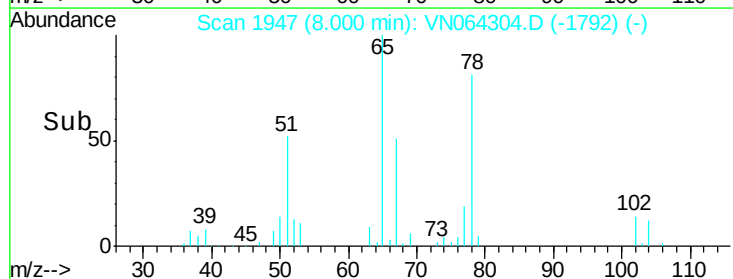
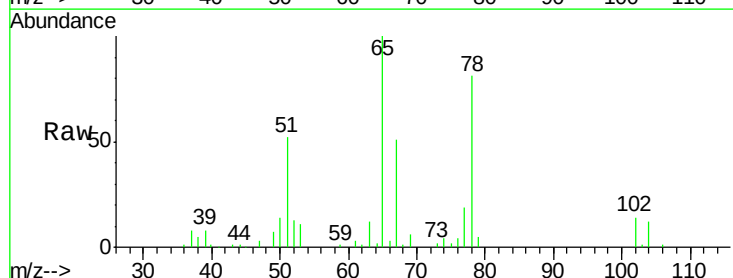
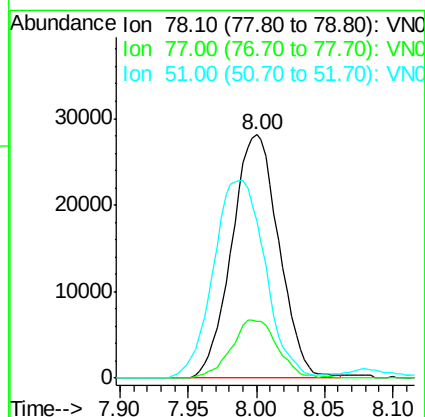
RT: 8.00 min Scan# 1947

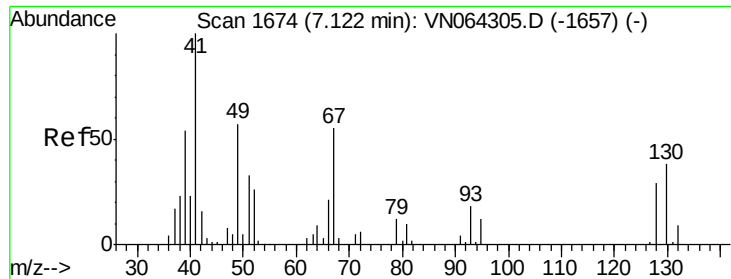
Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Tgt Ion:	78	Resp:	67697
Ion Ratio	Lower	Upper	
78	100		
77	23.1	16.5	24.7
51	62.5	24.5	36.7#





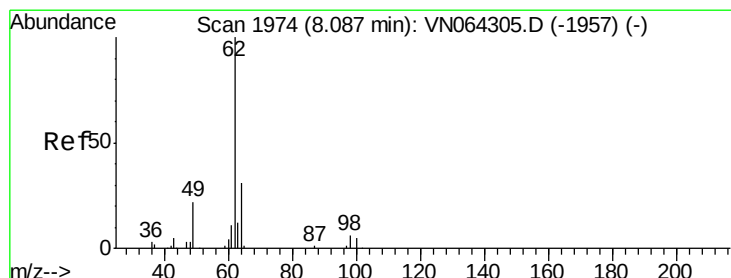
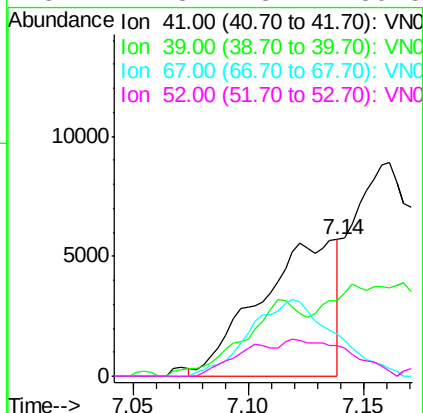
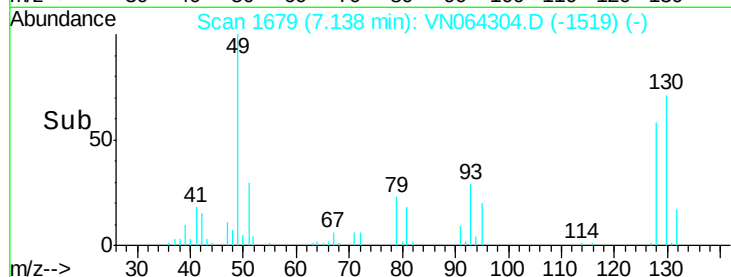
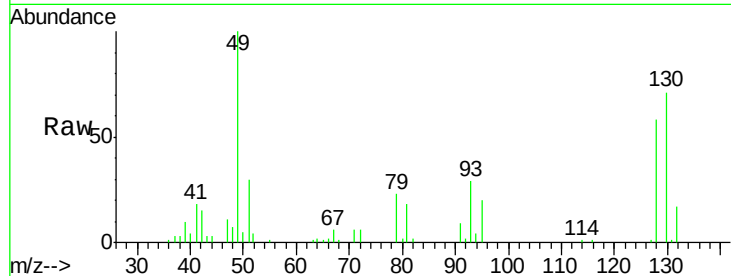
#35
Methacrylonitrile
Concen: 5.891 ug/l m
RT: 7.14 min Scan# 1679
Delta R.T. 0.02 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	13210
Ion Ratio	Lower	Upper	
41	100		
39	55.5	27.1	81.2
67	30.9	27.7	83.1
52	22.3	13.2	39.5

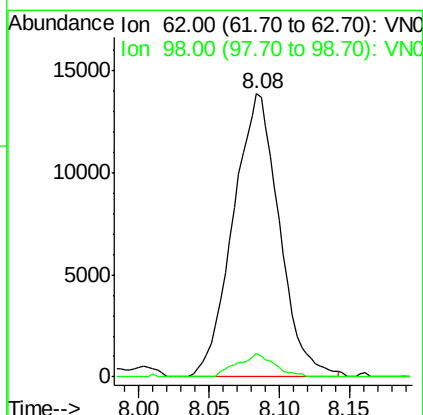
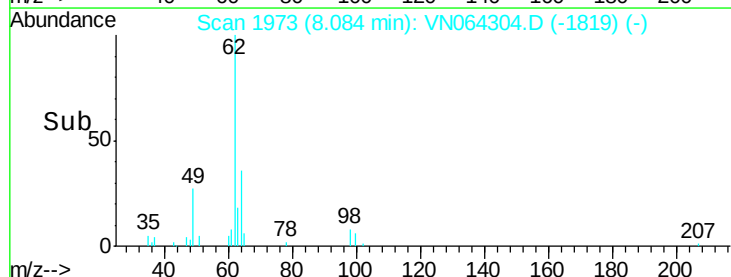
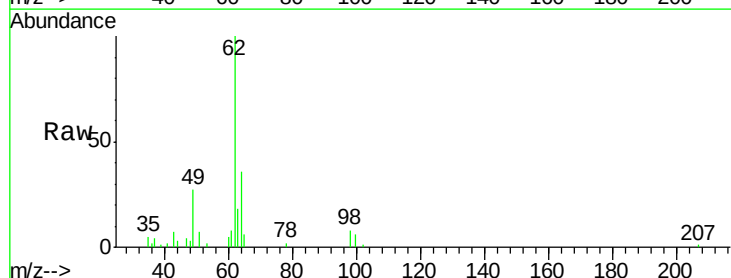
Manual Integrations
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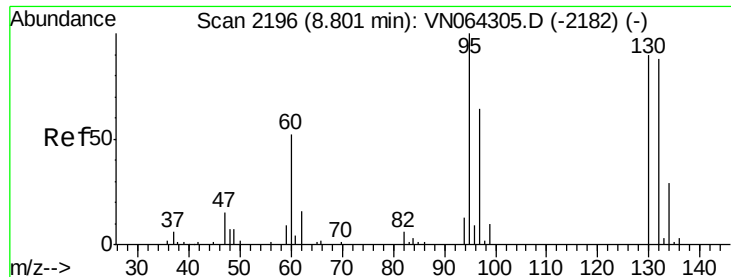
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10/27/2020 2:20:49 PM



#36
1,2-Dichloroethane
Concen: 5.387 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Tgt Ion:	62	Resp:	31815
Ion Ratio	Lower	Upper	
62	100		
98	6.6	3.4	5.0#





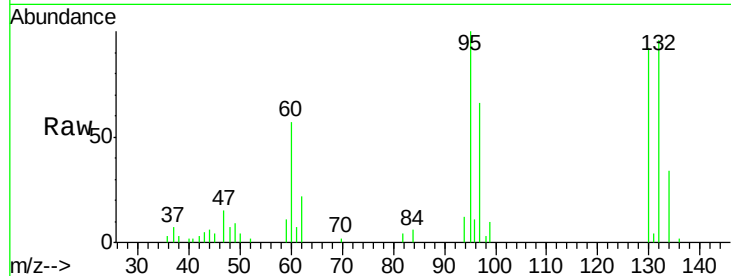
#37
 Trichloroethene
 Concen: 5.077 ug/l
 RT: 8.80 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

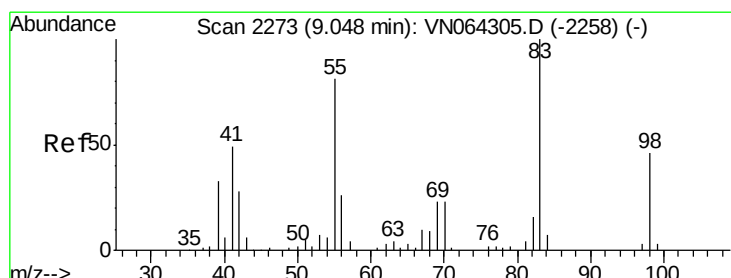
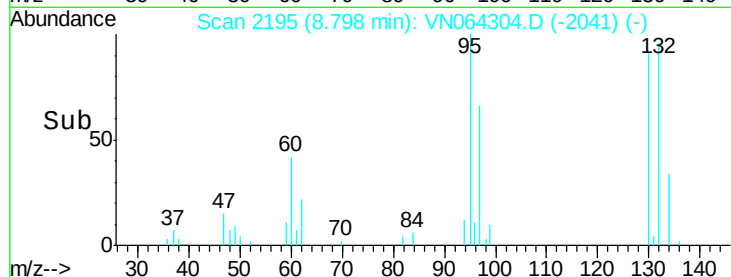
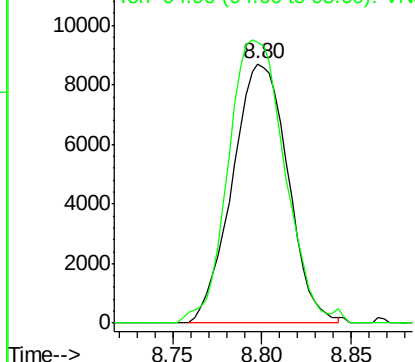
Tot Ion:130 Resp: 18910
 Ion Ratio Lower Upper
 130 100
 95 104.5 88.8 133.2

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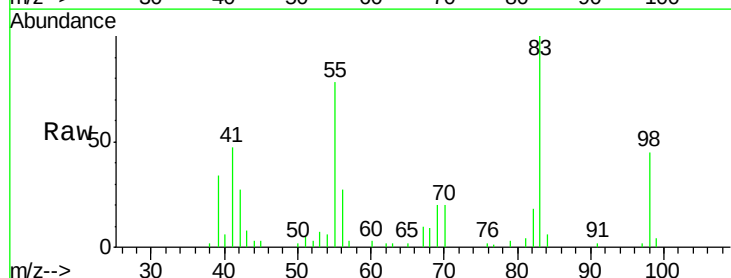


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

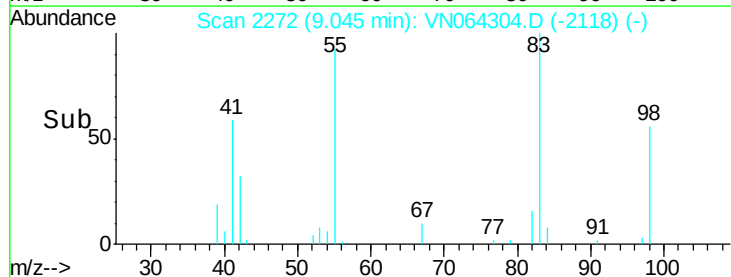
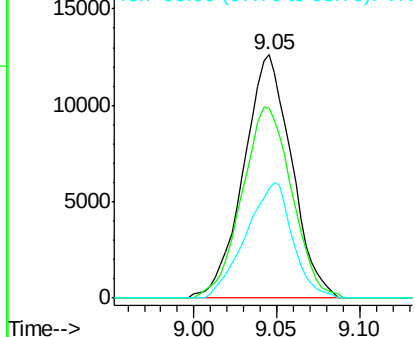


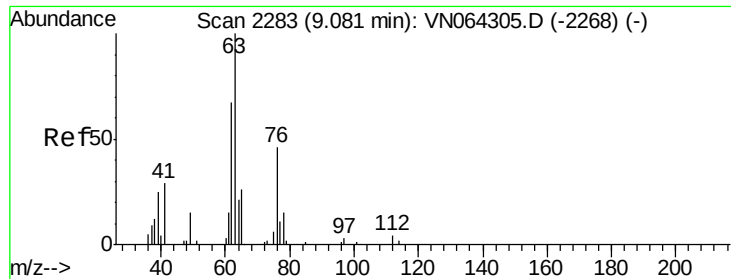
#38
 Methylcyclohexane
 Concen: 5.526 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Tgt Ion: 83 Resp: 25328
 Ion Ratio Lower Upper
 83 100
 55 81.6 40.3 120.8
 98 46.2 22.8 68.3



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





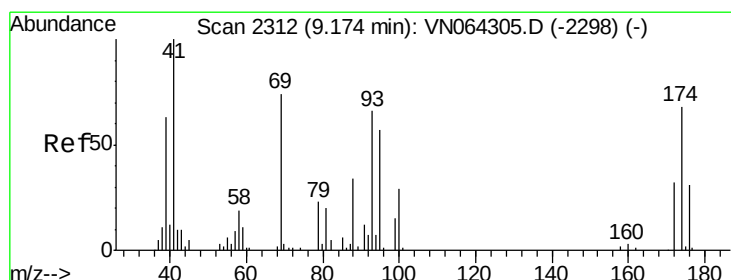
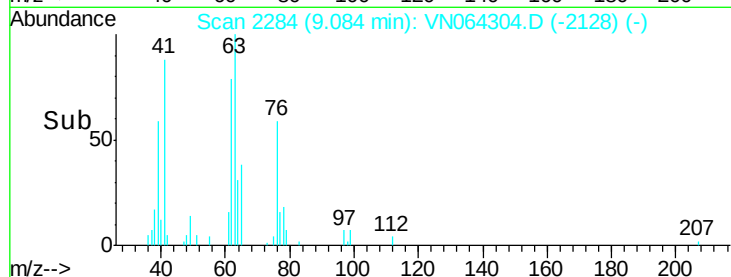
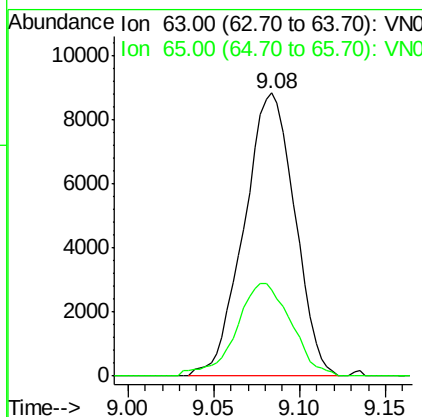
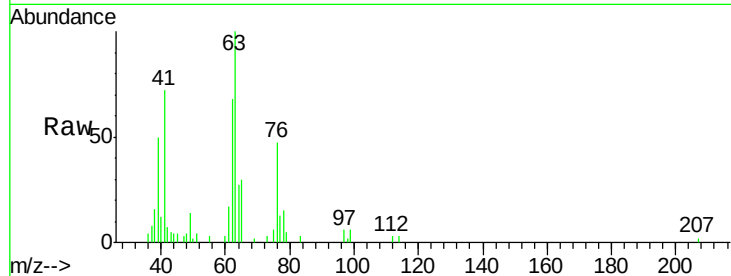
#39
 1,2-Dichloropropane
 Concen: 4.921 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 18099
 Ion Ratio Lower Upper
 63 100
 65 30.3 22.6 33.8

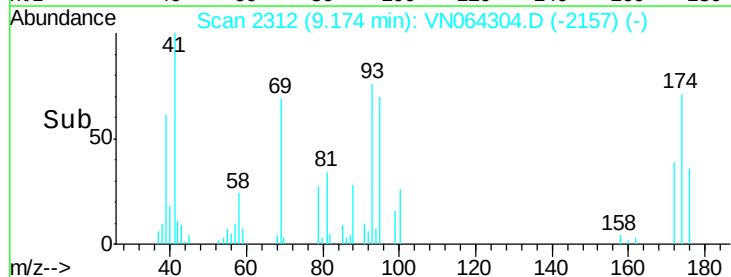
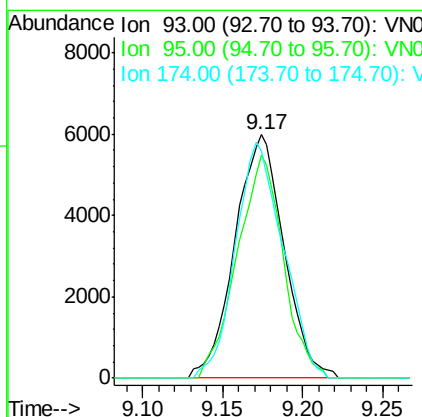
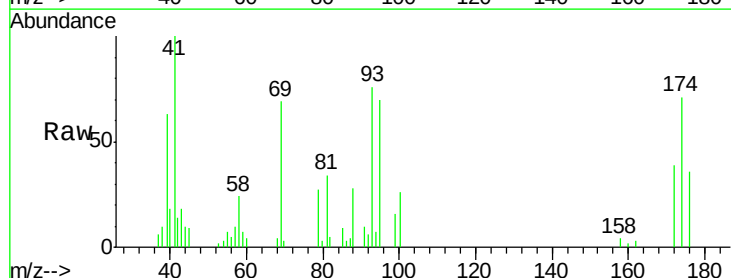
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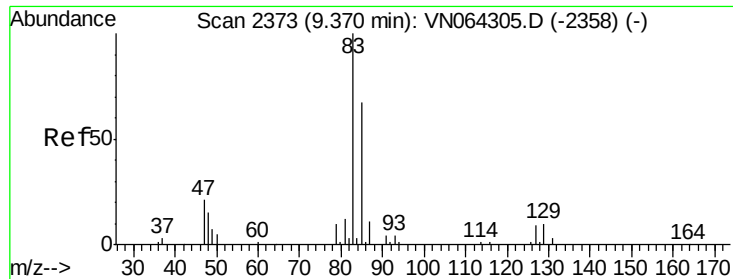
MMDadoda
 10/27/2020 2:20:49 PM



#40
 Dibromomethane
 Concen: 4.941 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Tgt Ion: 93 Resp: 12575
 Ion Ratio Lower Upper
 93 100
 95 85.4 0.0 174.4
 174 93.5 0.0 188.0





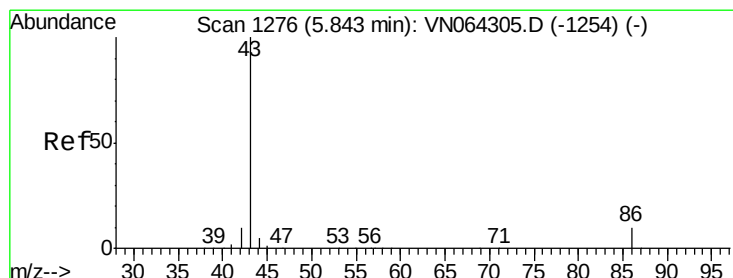
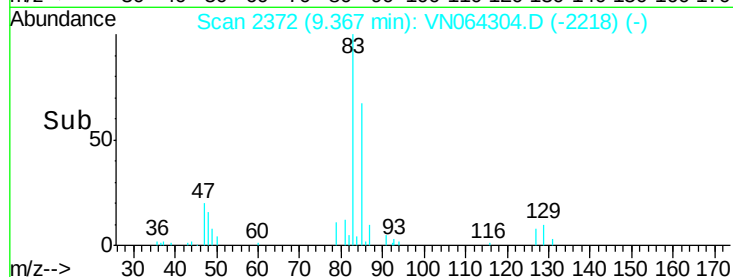
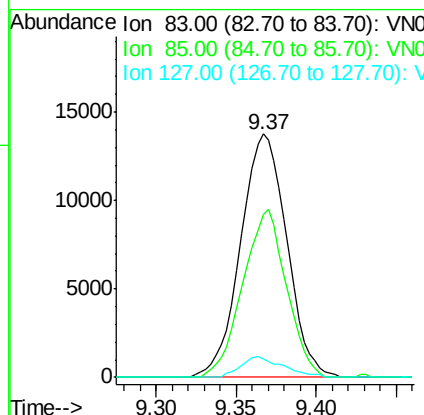
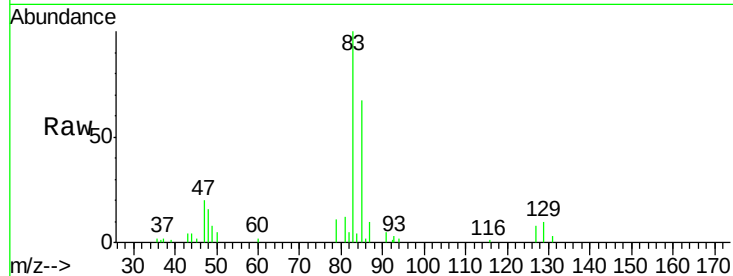
#41
Bromodichloromethane
Concen: 4.921 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	83	Resp:	27112
Ion Ratio	Lower	Upper	
83	100		
85	66.9	53.4	80.0
127	7.8	7.0	10.4

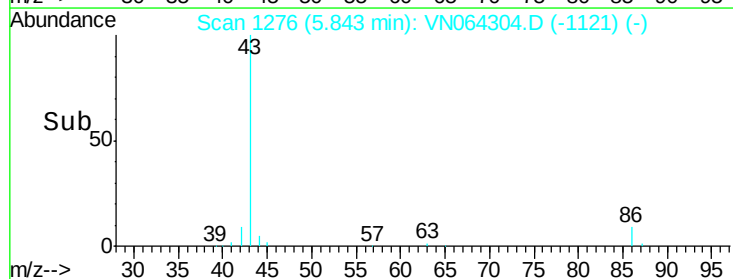
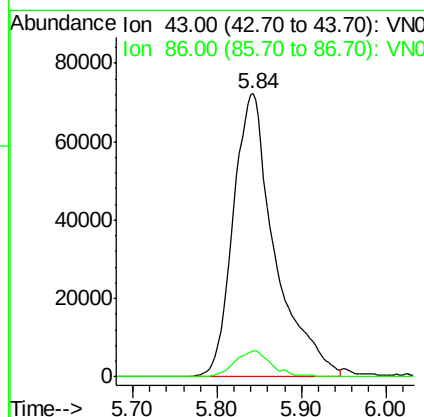
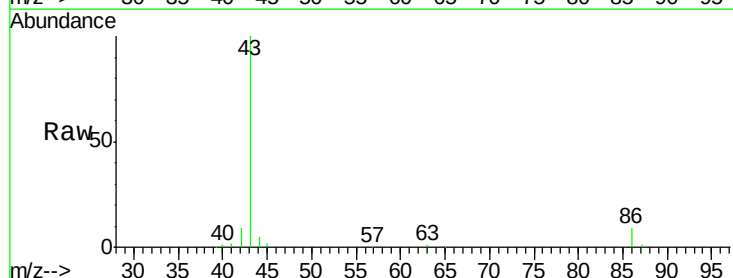
Manual Integrations
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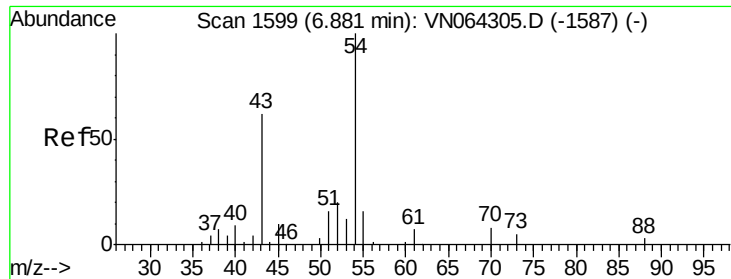
MMDadoda
10/27/2020 2:20:49 PM



#42
Vinyl Acetate
Concen: 25.385 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Tgt Ion:	43	Resp:	248879
Ion Ratio	Lower	Upper	
43	100		
86	7.5	6.6	9.8





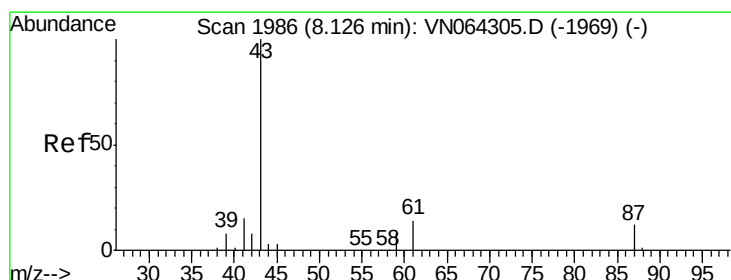
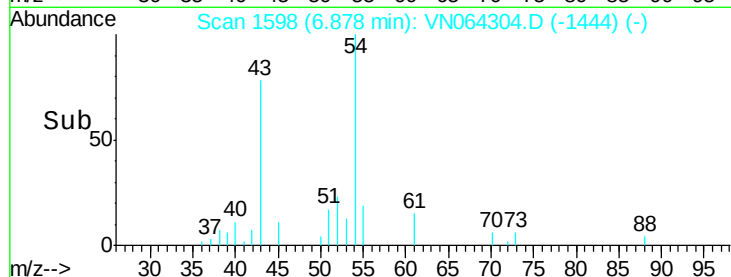
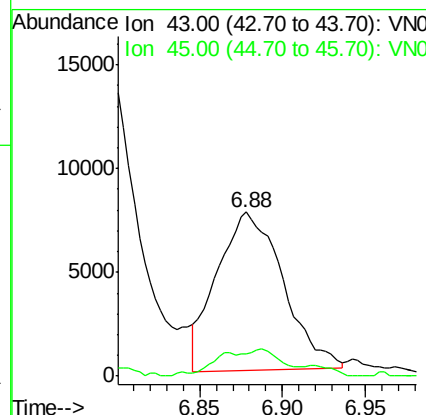
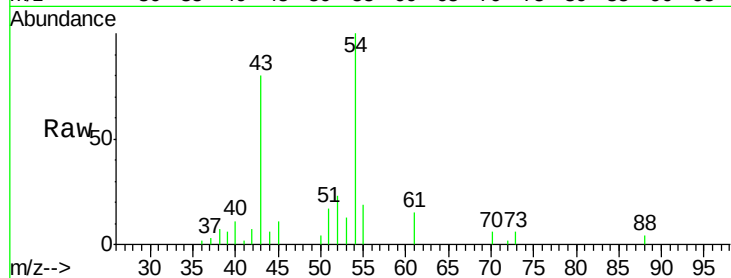
#43
Ethyl Acetate
Concen: 4.514 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 21303
Ion Ratio Lower Upper
43 100
45 4.3 4.0 6.0

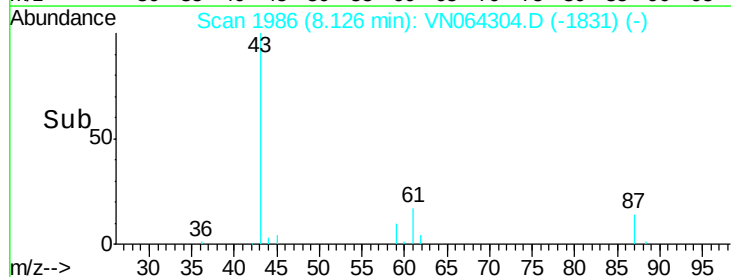
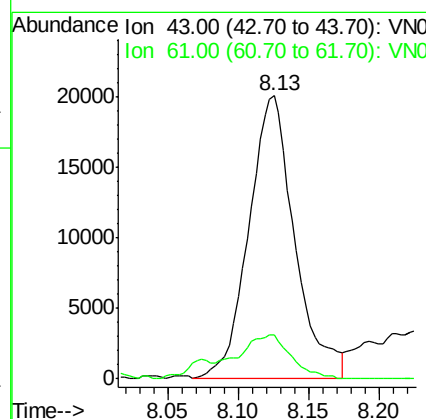
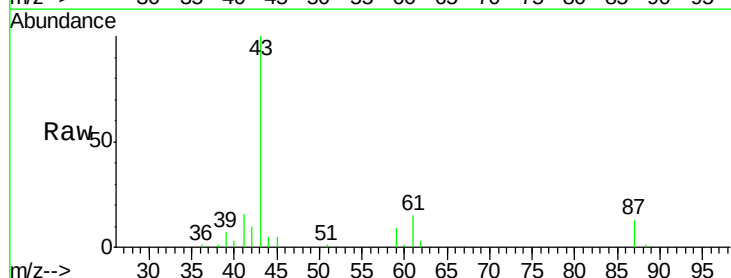
Manual Integrations
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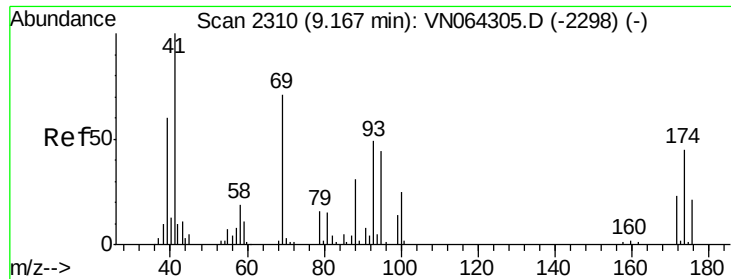
MMDadoda
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#44
Isopropyl Acetate
Concen: 5.432 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Tgt Ion: 43 Resp: 45817
Ion Ratio Lower Upper
43 100
61 15.7 14.3 21.5





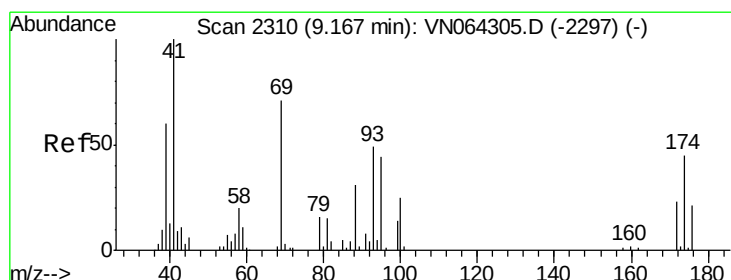
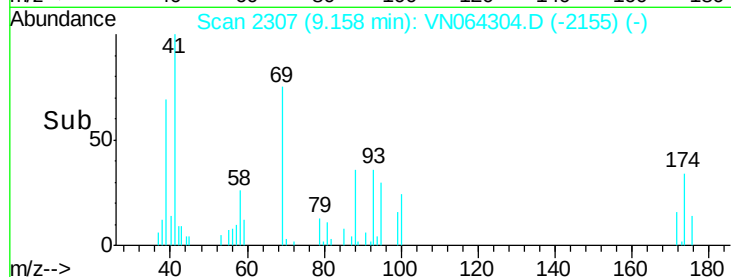
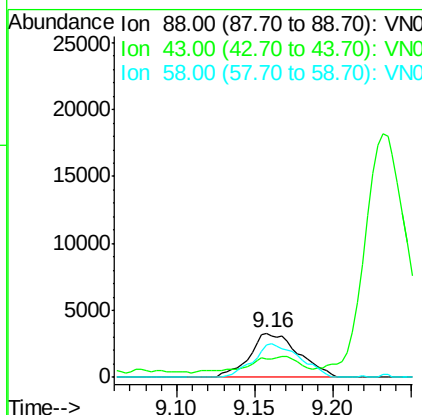
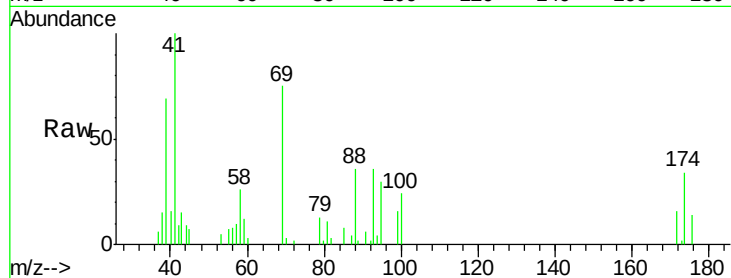
#45
1,4-Dioxane
Concen: 132.475 ug/l m
RT: 9.16 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	9.1	31.2	46.8#
58	71.5	55.4	83.2

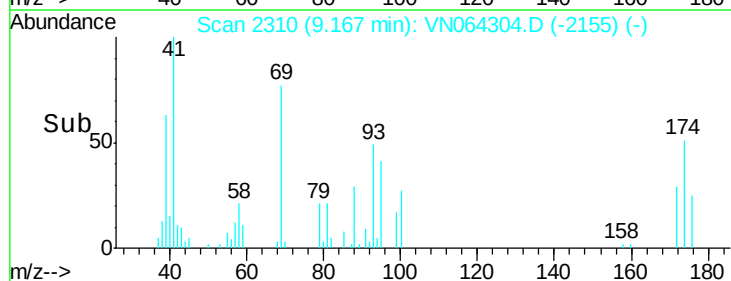
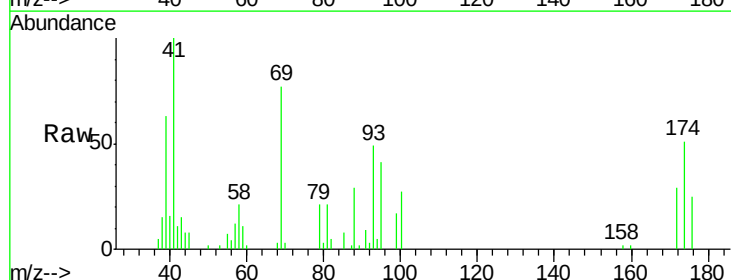
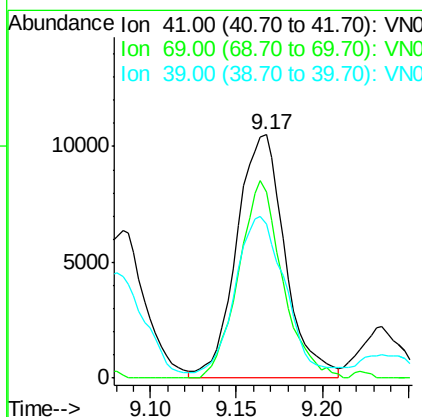
Manual Integrations
APPROVED

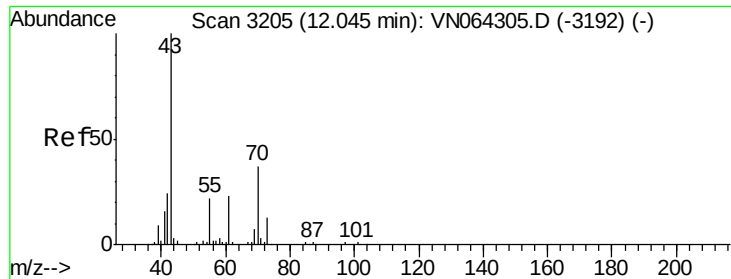
MMDadoda
10/27/2020 2:20:49 PM



#46
Methyl methacrylate
Concen: 5.032 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.9	35.3	105.9
39	62.7	30.2	90.6





#47

n-amyl Acetate

Concen: 4.422 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 32304

Ion Ratio Lower Upper

43 100

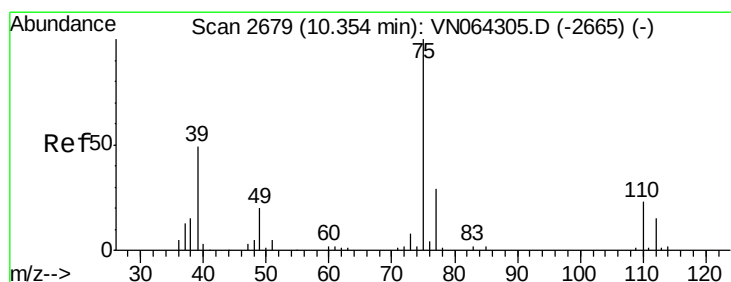
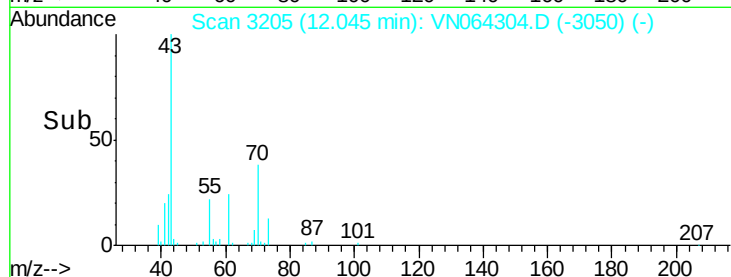
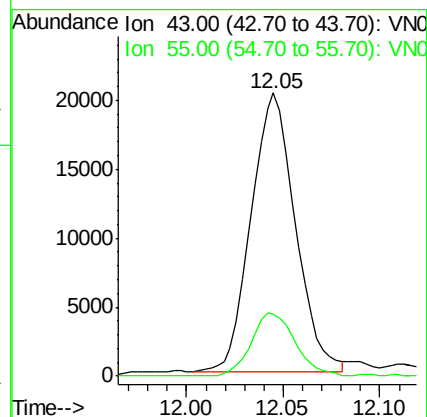
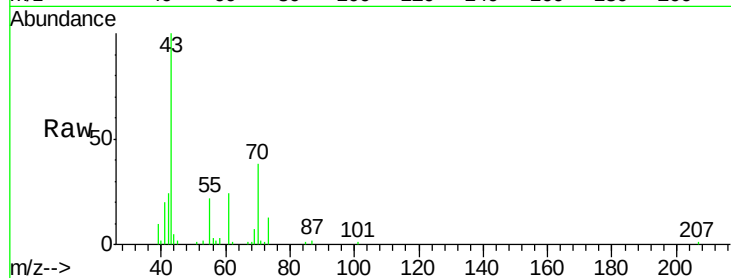
55 22.4 17.3 25.9

Manual Integrations

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10/27/2020 2:20:49 PM



#48

t-1,3-Dichloropropene

Concen: 4.814 ug/l

RT: 10.35 min Scan# 2677

Delta R.T. -0.01 min

Lab File: VN064304.D

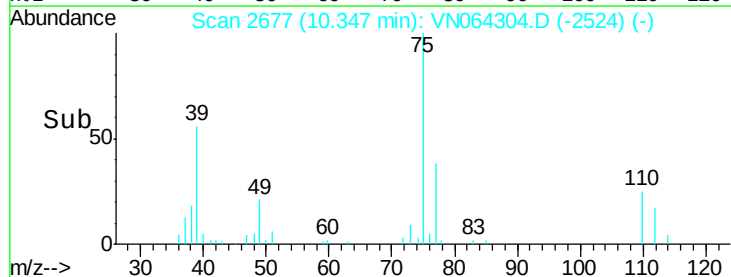
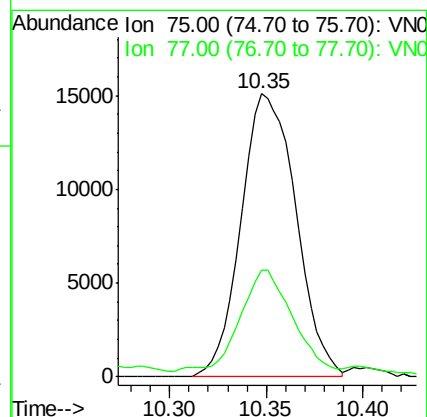
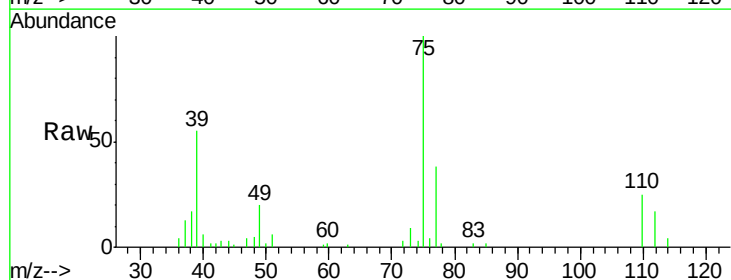
Acq: 26 Oct 2020 15:55

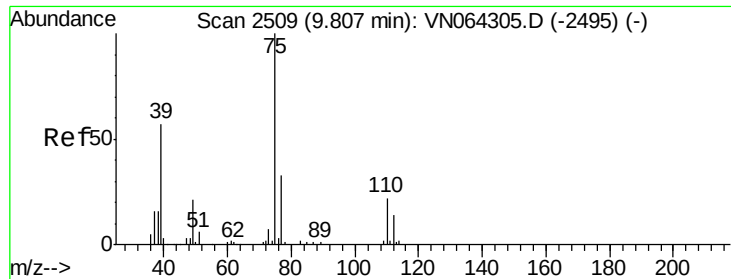
Tgt Ion: 75 Resp: 29810

Ion Ratio Lower Upper

75 100

77 35.1 23.7 35.5





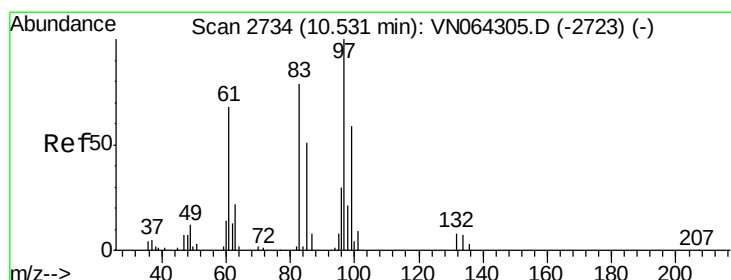
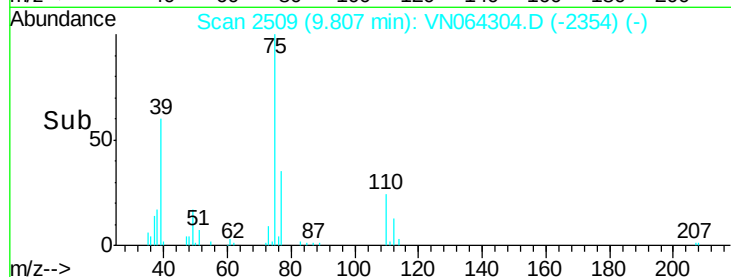
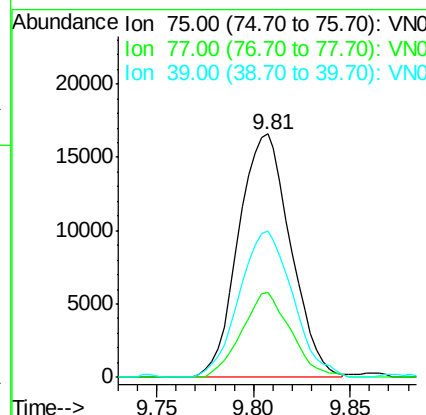
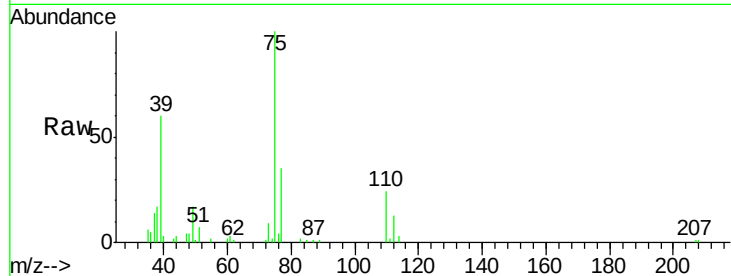
#49
 cis-1,3-Dichloropropene
 Concen: 4.870 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.1	26.7	40.1
39	60.1	45.9	68.9

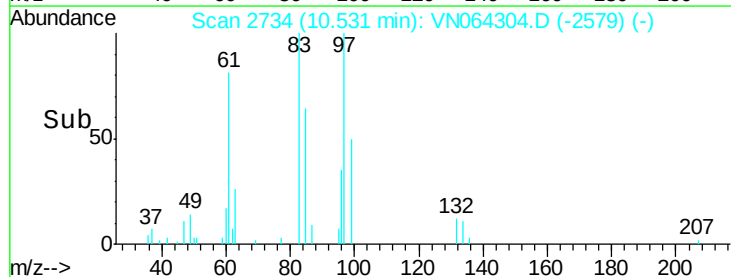
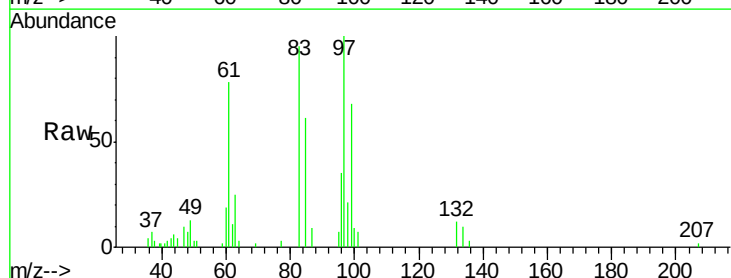
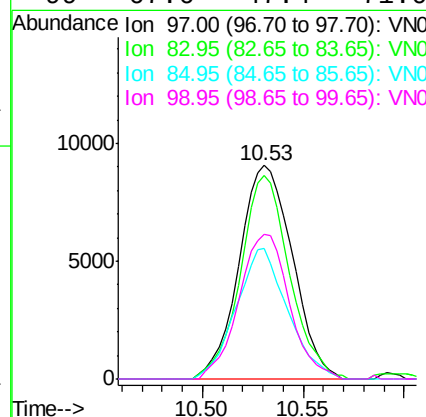
Manual Integrations
 APPROVED

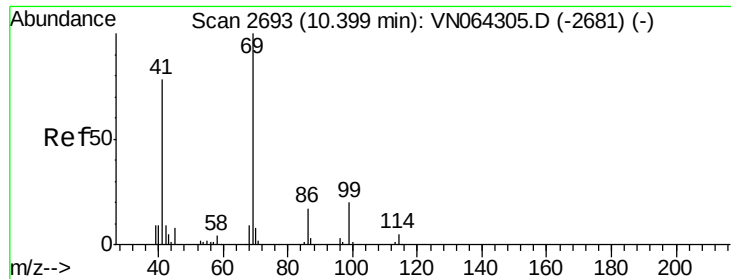
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 4.922 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
97	100		
83	95.5	63.2	94.8#
85	61.1	41.0	61.6
99	67.6	47.4	71.0





#51

Ethyl methacrylate

Concen: 4.695 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

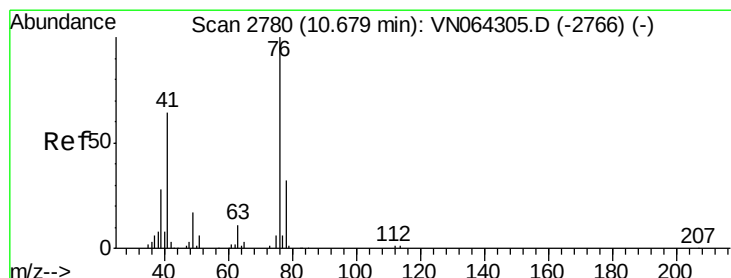
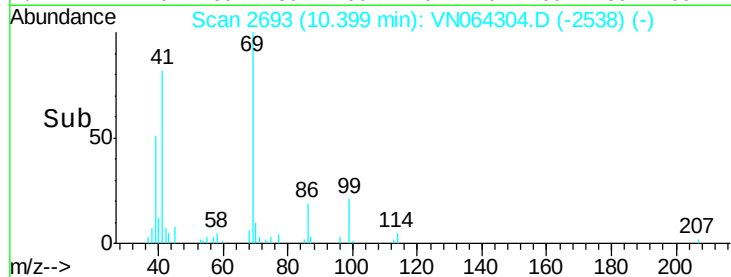
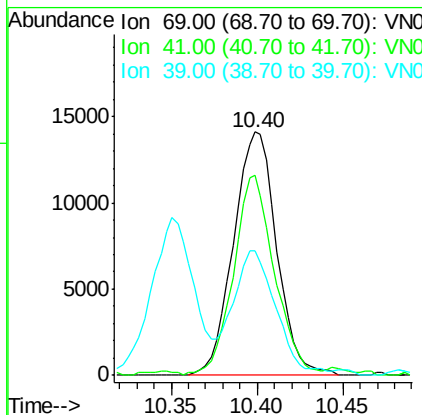
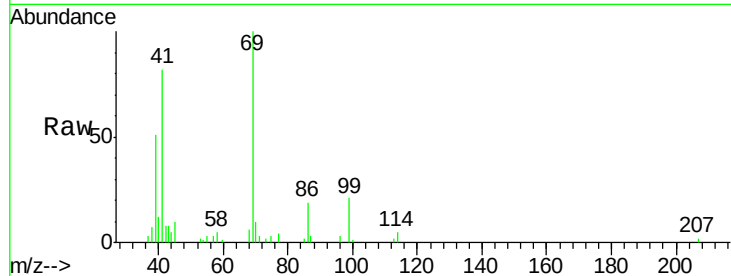
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	24582
Ion	Ratio	Lower	Upper
69	100		
41	80.9	38.8	116.4
39	49.2	24.6	74.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 4.914 ug/l

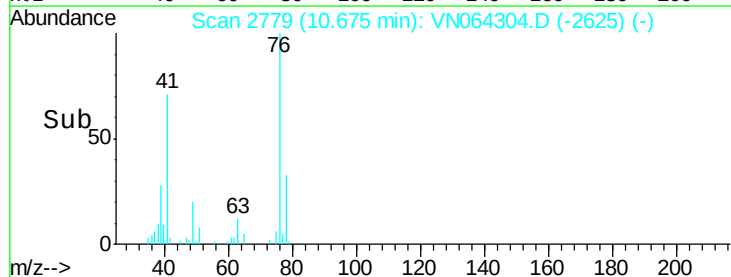
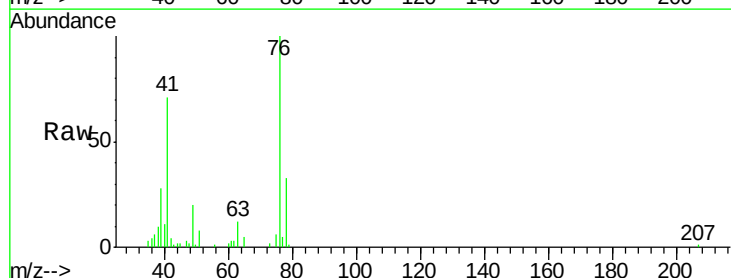
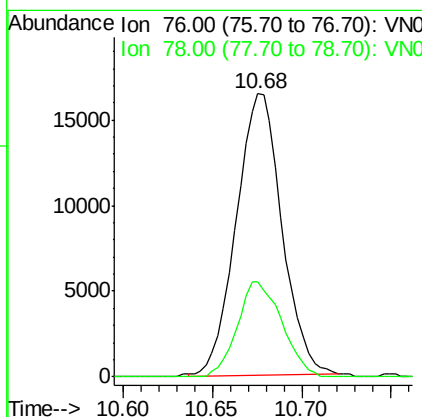
RT: 10.68 min Scan# 2779

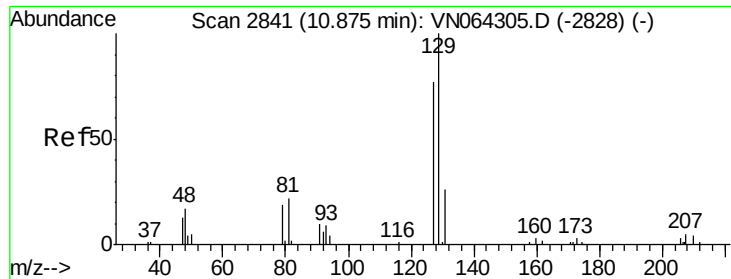
Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Tgt Ion:	76	Resp:	29368
Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.0	61.6





#53

Dibromochloromethane

Concen: 4.470 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 18844

Ion Ratio Lower Upper

129 100

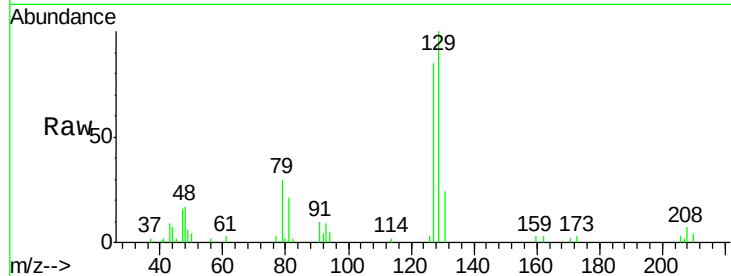
127 84.1 38.9 116.7

Manual Integrations

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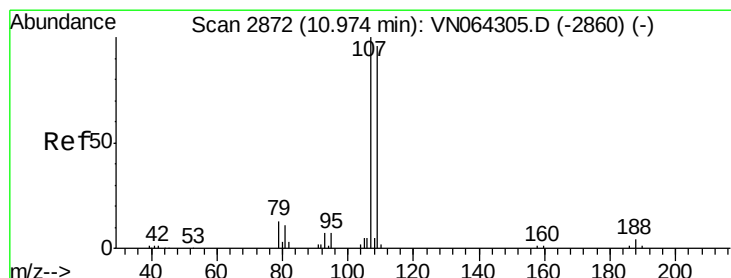
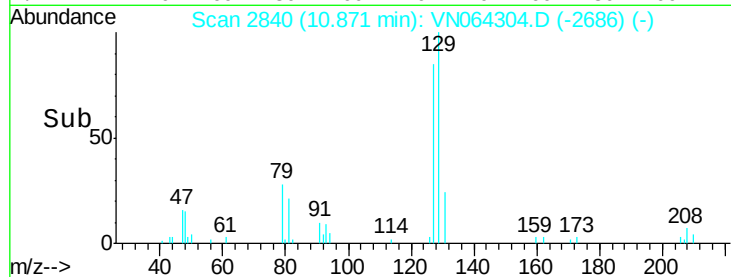
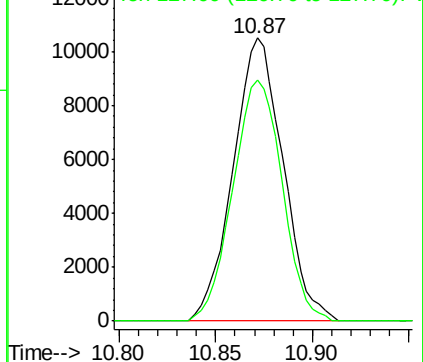
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.780 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064304.D

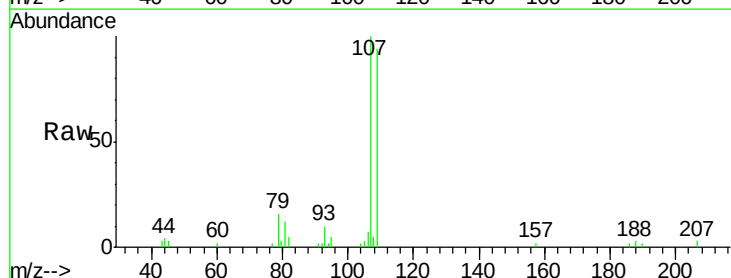
Acq: 26 Oct 2020 15:55

Tgt Ion:107 Resp: 17386

Ion Ratio Lower Upper

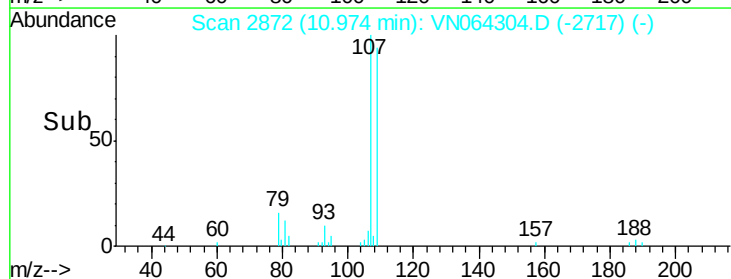
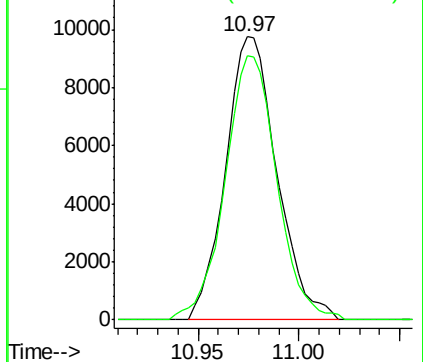
107 100

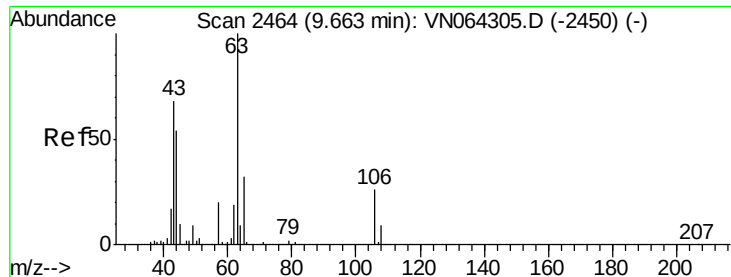
109 93.5 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 20.281 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

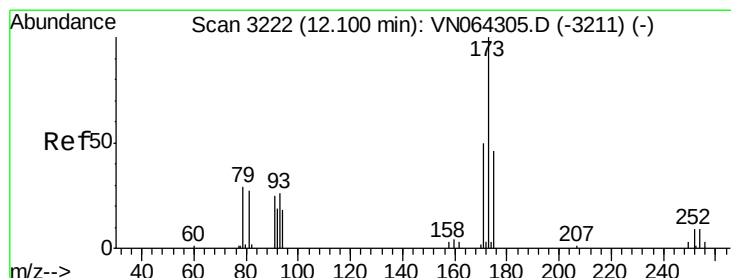
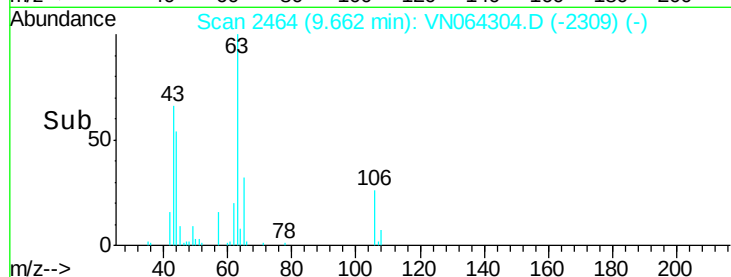
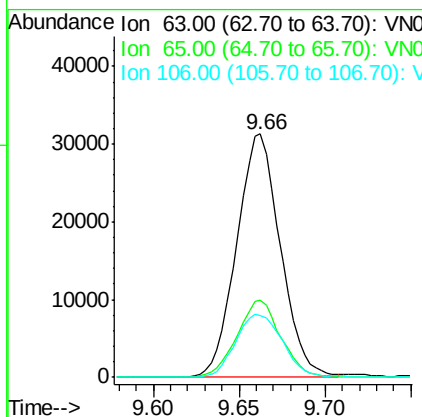
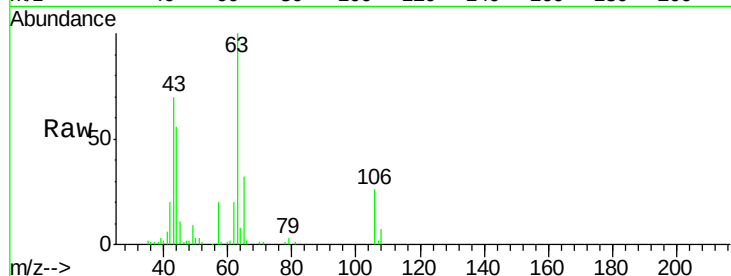
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	55284
Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.6	38.4
106	27.6	20.7	31.1

Manual Integrations
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#56

Bromoform

Concen: 4.312 ug/l

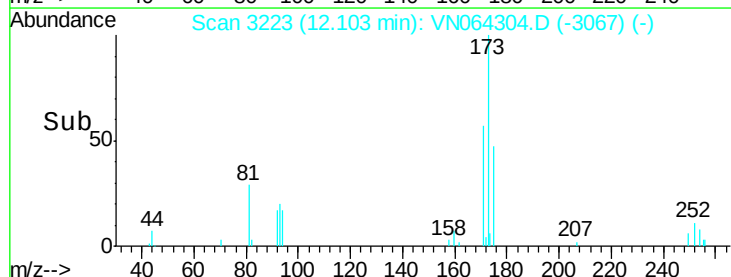
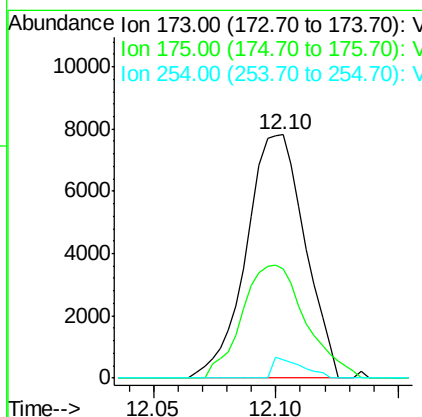
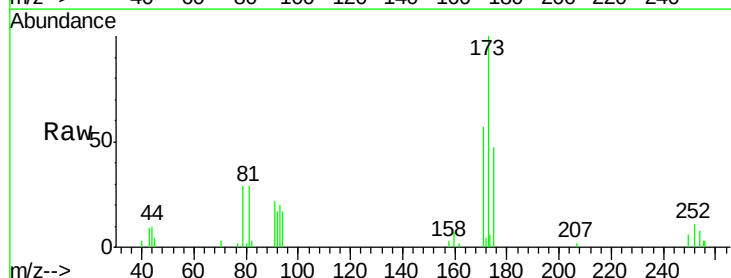
RT: 12.10 min Scan# 3223

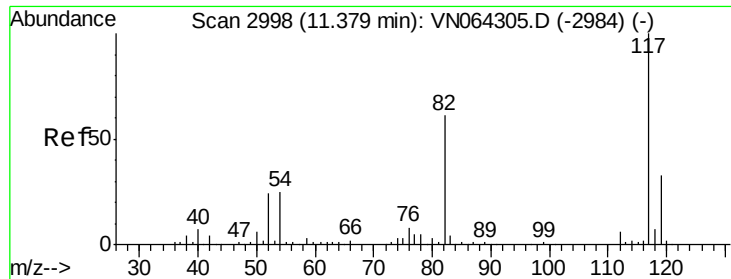
Delta R.T. 0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Tgt Ion:	173	Resp:	12983
Ion	Ratio	Lower	Upper
173	100		
175	50.7	37.3	55.9
254	4.3	4.8	7.2#





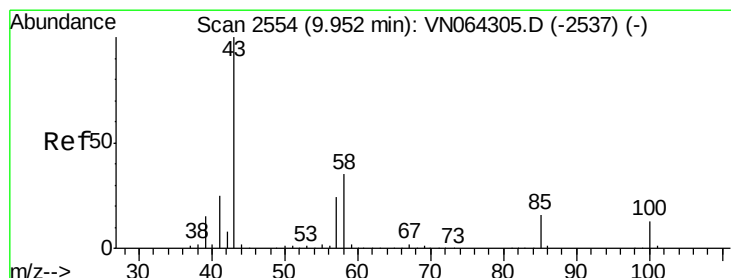
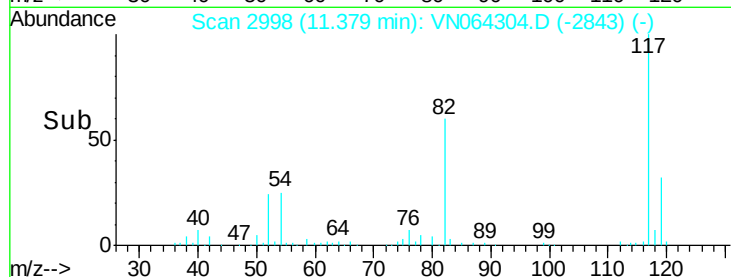
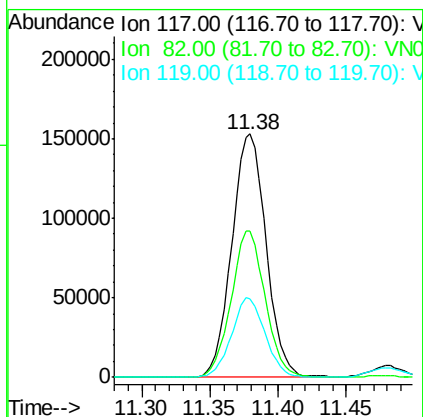
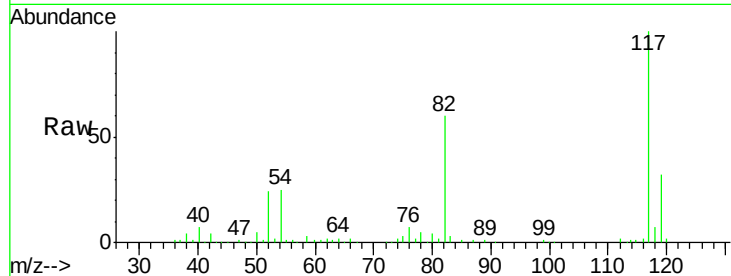
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	48.7	73.1
119	32.1	25.1	37.7

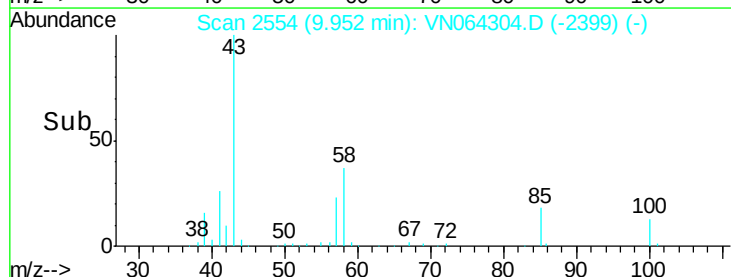
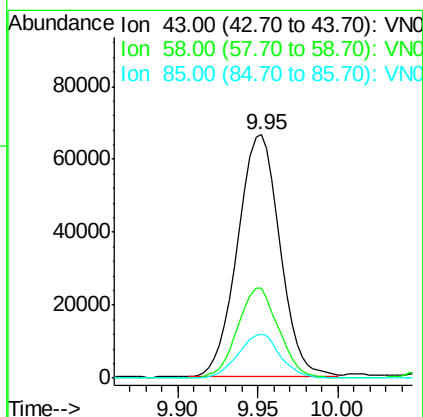
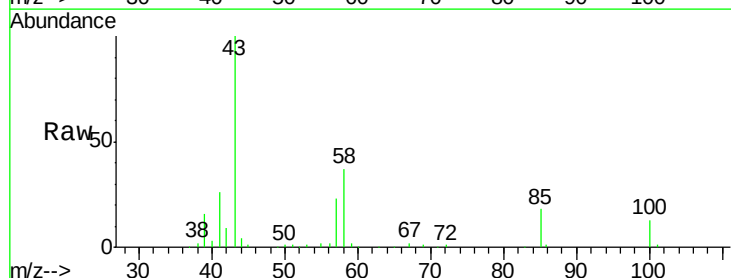
Manual Integrations
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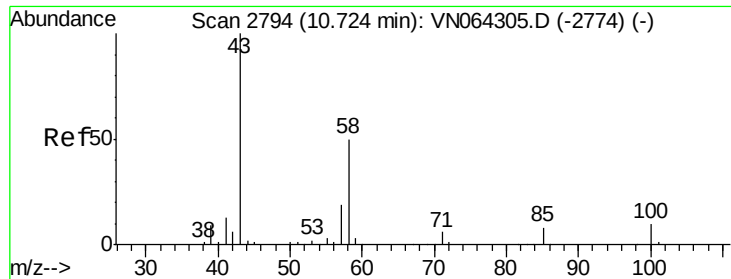
MMDadoda
10/27/2020 2:20:49 PM



#58
4-Methyl-2-Pentanone
Concen: 26.046 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.3	28.7	43.1
85	17.7	13.4	20.2





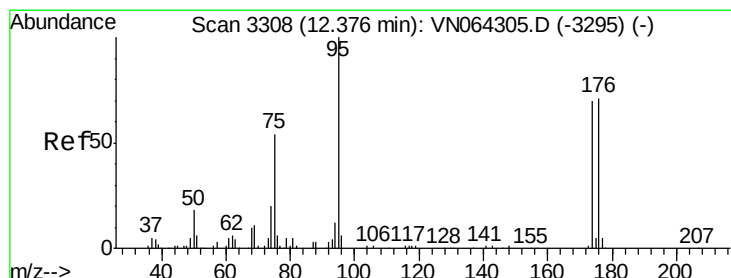
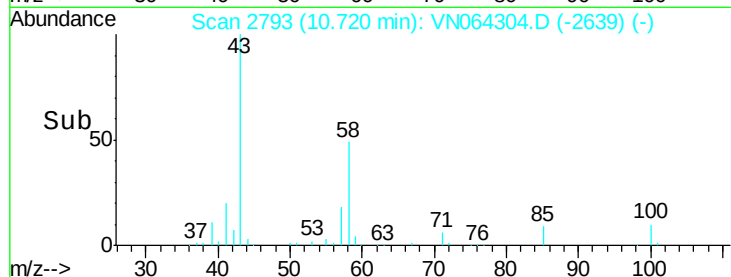
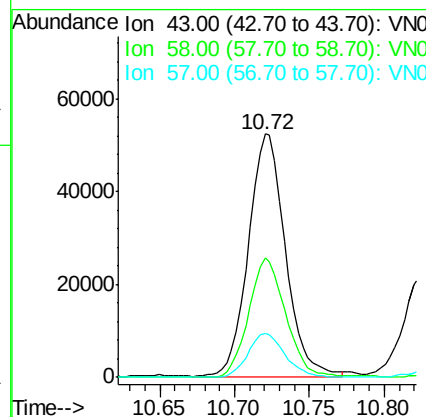
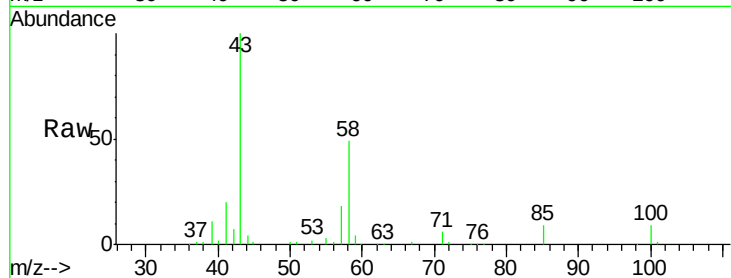
#59
2-Hexanone
Concen: 25.916 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.3	39.4	59.2
57	18.1	14.8	22.2

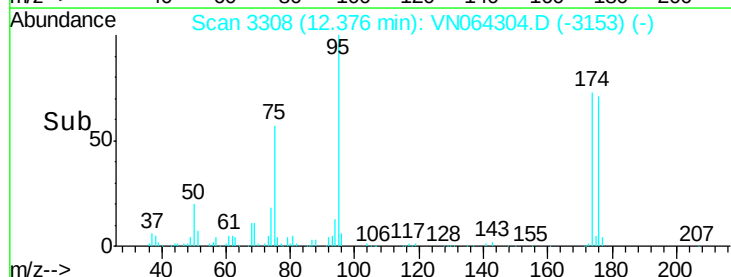
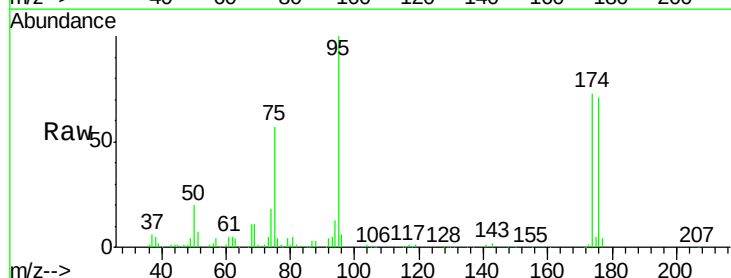
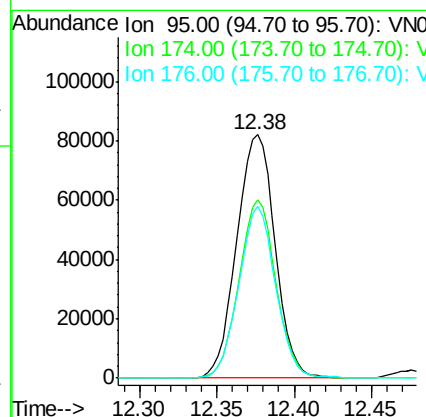
Manual Integrations
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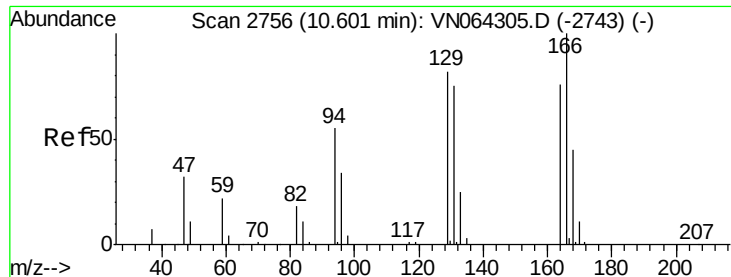
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.763 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.7	57.6	86.4
176	67.7	55.5	83.3





#61

Tetrachloroethene

Concen: 5.197 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

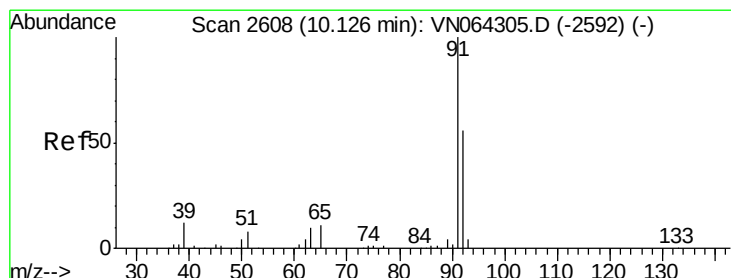
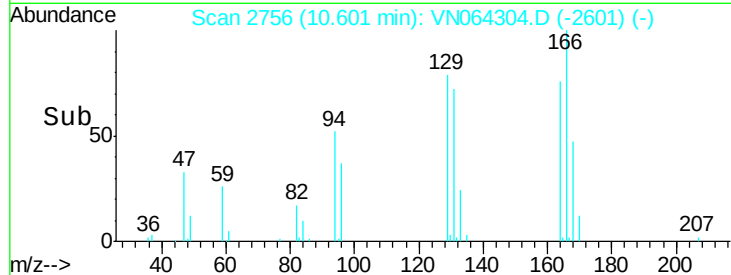
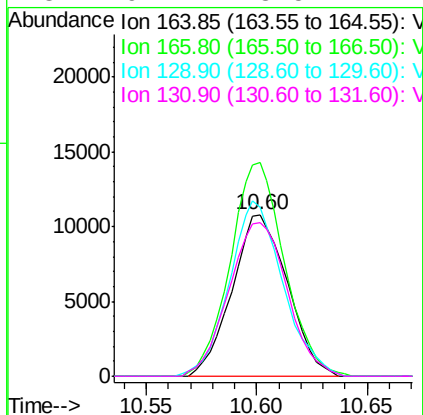
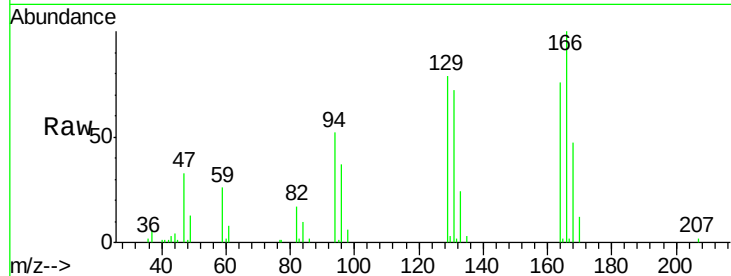
ClientSampleId :

VSTDIC005

Tot Ion:	164	Resp:	18806
Ion	Ratio	Lower	Upper
164	100		
166	130.2	105.4	158.0
129	103.4	86.4	129.6
131	94.1	78.5	117.7

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#62

Toluene

Concen: 4.966 ug/l

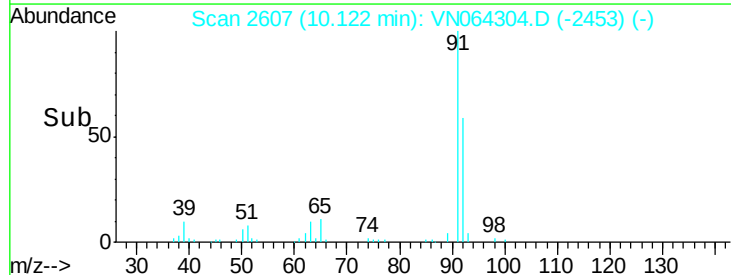
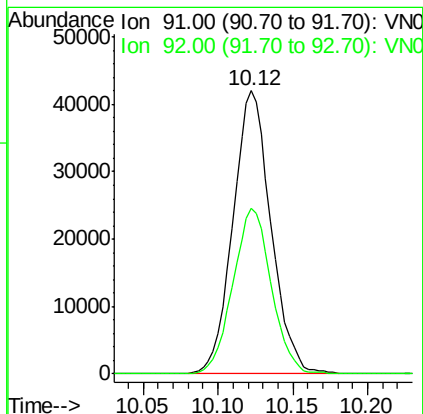
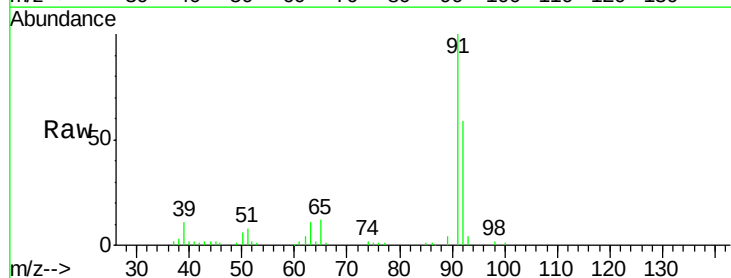
RT: 10.12 min Scan# 2607

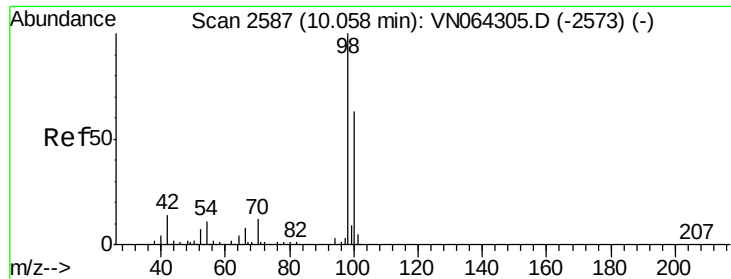
Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Tgt Ion:	91	Resp:	74153
Ion	Ratio	Lower	Upper
91	100		
92	59.2	45.8	68.6





#63

Toluene-d8

Concen: 30.064 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 98 Resp: 358229

Ion Ratio Lower Upper

98 100

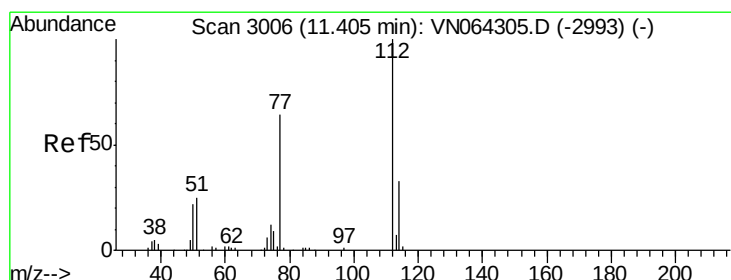
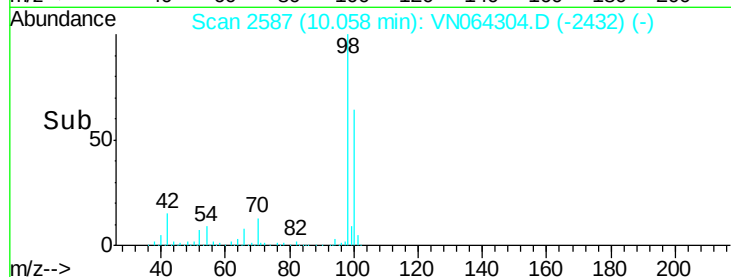
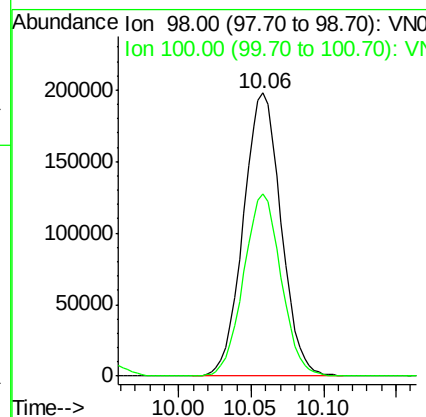
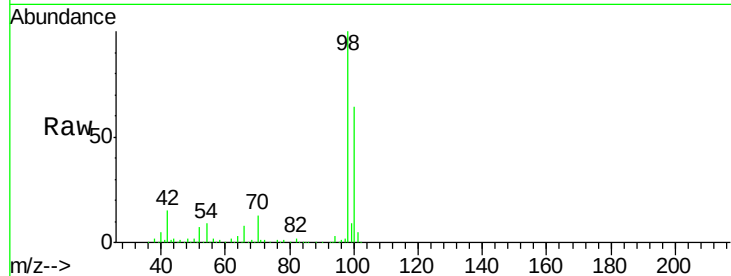
100 64.2 50.6 75.8

Manual Integrations

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10/27/2020 2:20:49 PM



#64

Chlorobenzene

Concen: 5.046 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064304.D

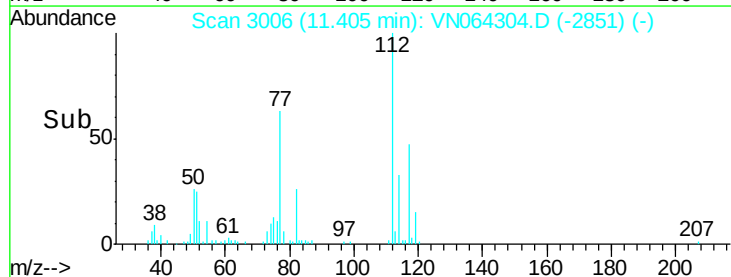
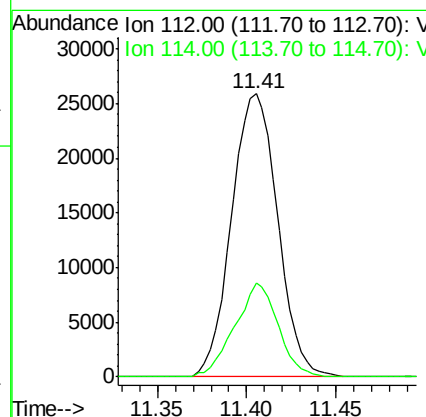
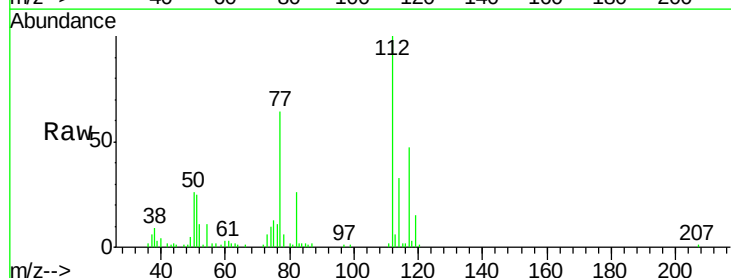
Acq: 26 Oct 2020 15:55

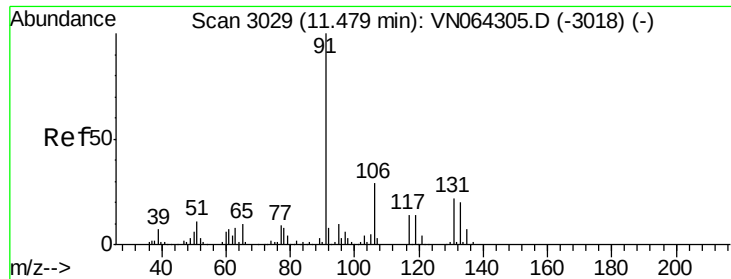
Tgt Ion: 112 Resp: 46521

Ion Ratio Lower Upper

112 100

114 33.0 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 4.742 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

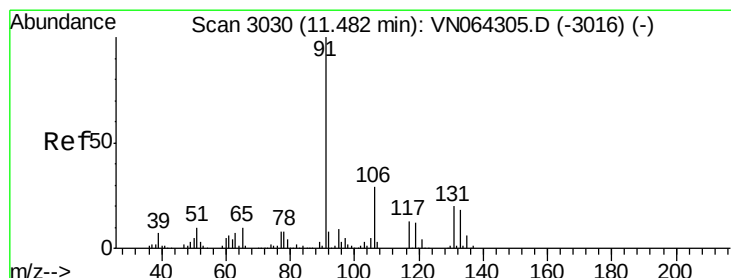
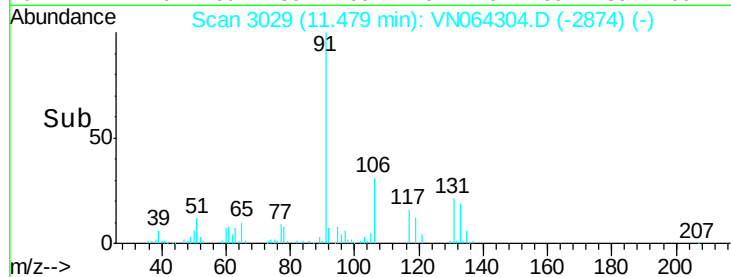
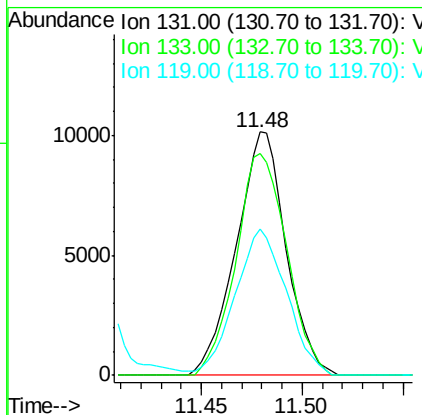
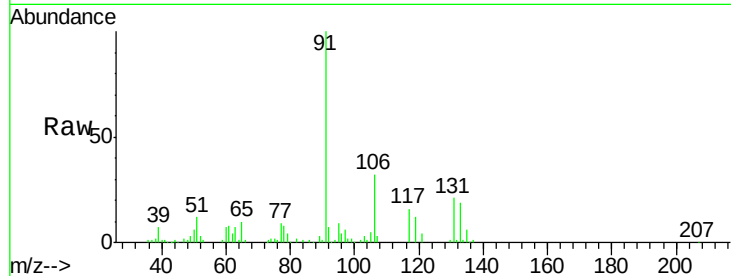
ClientSampleId :

VSTDIC005

Tot Ion:	131	Resp:	17549
Ion	Ratio	Lower	Upper
131	100		
133	92.9	0.0	183.0
119	61.8	0.0	121.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 4.890 ug/l

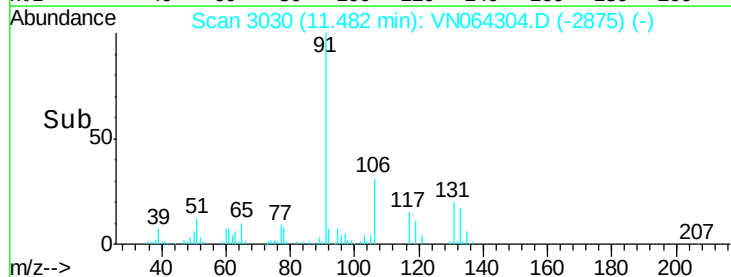
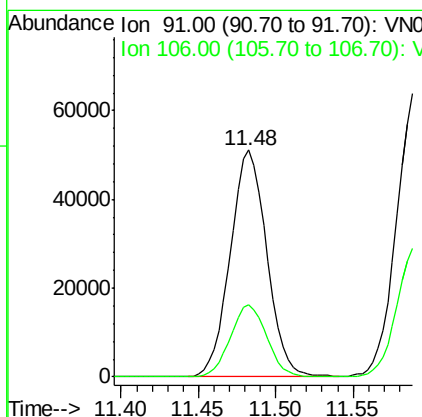
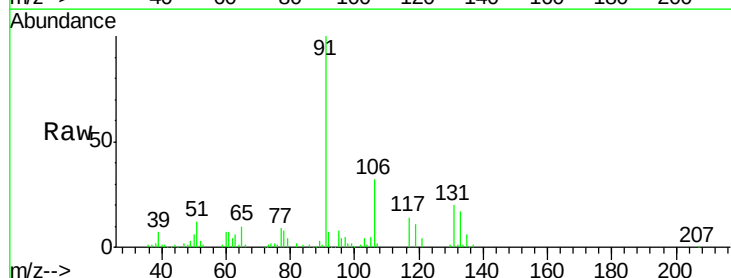
RT: 11.48 min Scan# 3030

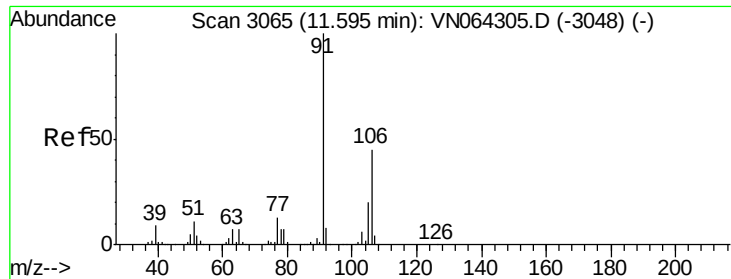
Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Tgt Ion:	91	Resp:	84058
Ion	Ratio	Lower	Upper
91	100		
106	31.7	22.8	34.2





#67

m/p-Xylenes

Concen: 9.424 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 59605

Ion Ratio Lower Upper

106 100

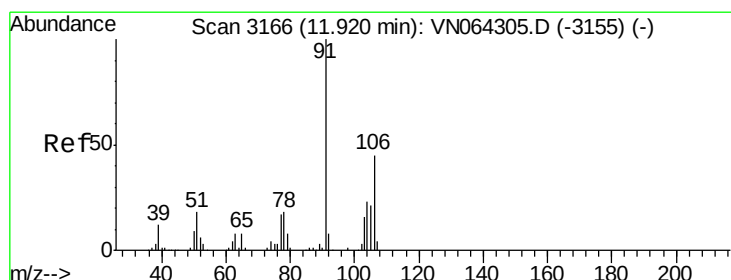
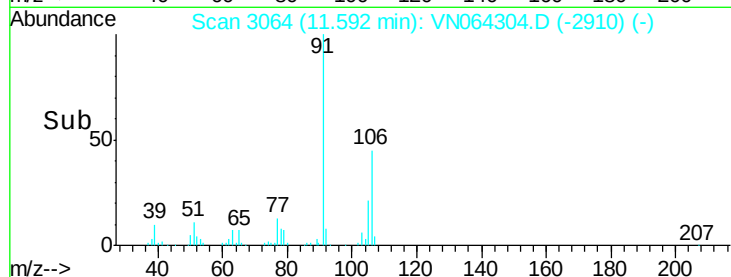
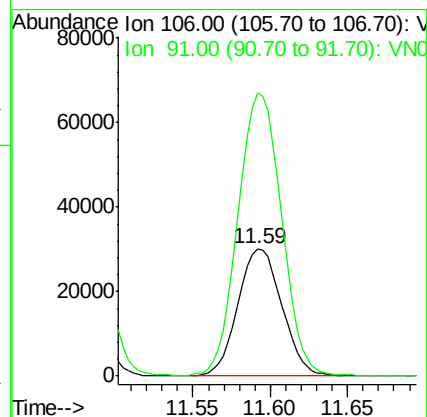
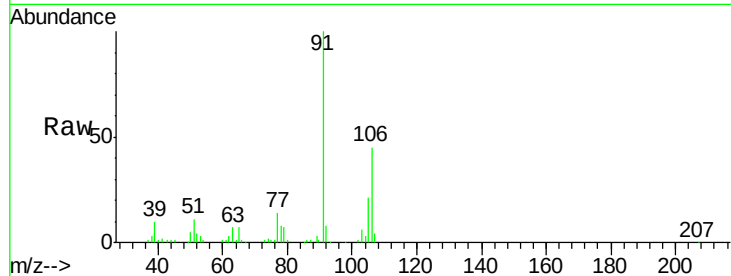
91 220.7 176.2 264.2

Manual Integrations

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10/27/2020 2:20:49 PM



#68

o-Xylene

Concen: 5.004 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN064304.D

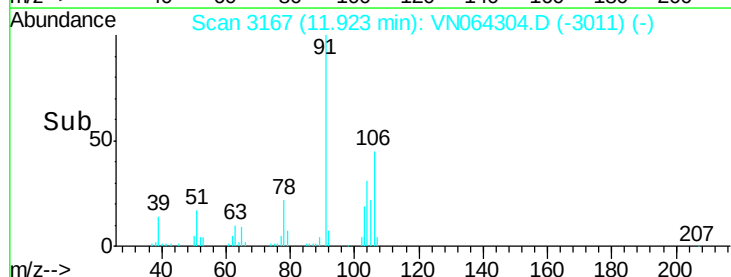
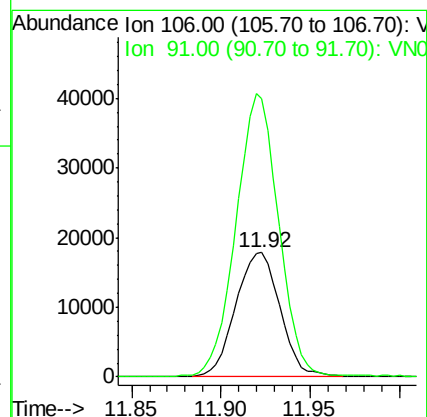
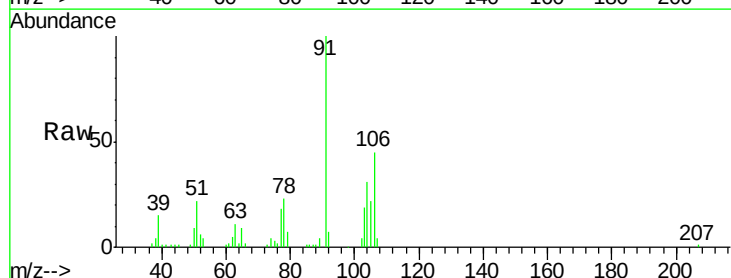
Acq: 26 Oct 2020 15:55

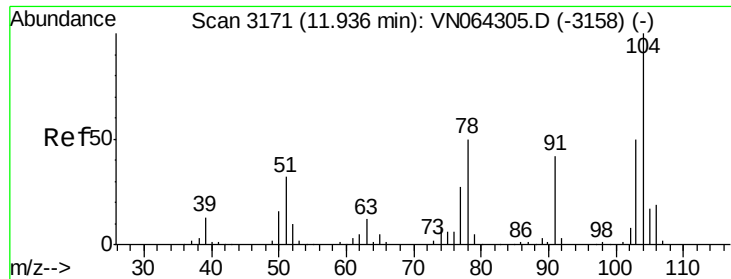
Tgt Ion:106 Resp: 30759

Ion Ratio Lower Upper

106 100

91 219.2 112.9 338.6





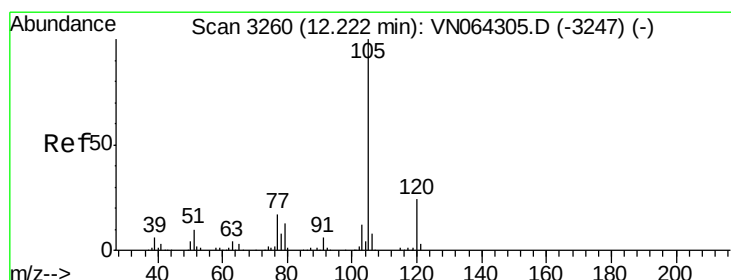
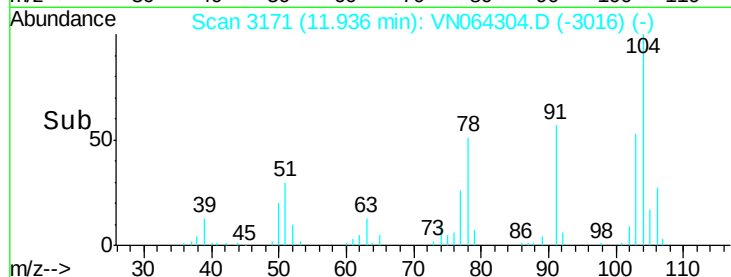
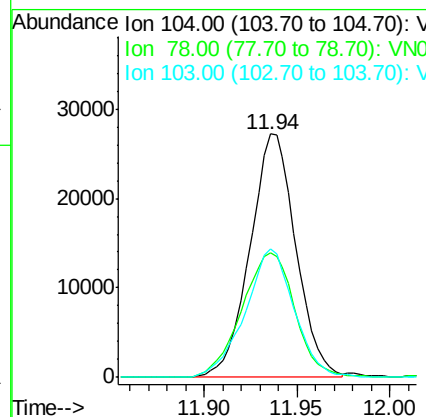
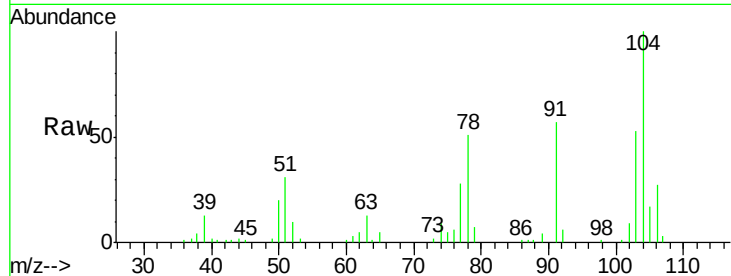
#69
Stvrene
Concen: 4.573 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	58.9	46.3	69.5
103	56.4	44.2	66.2

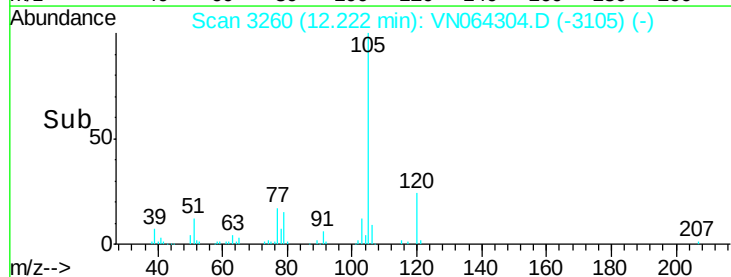
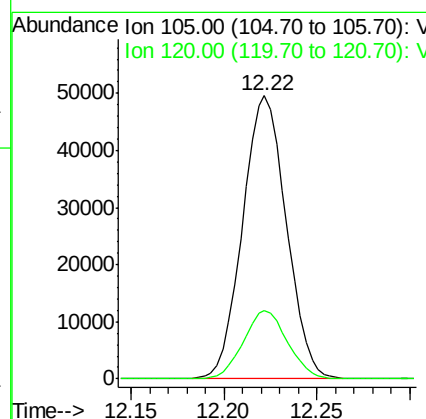
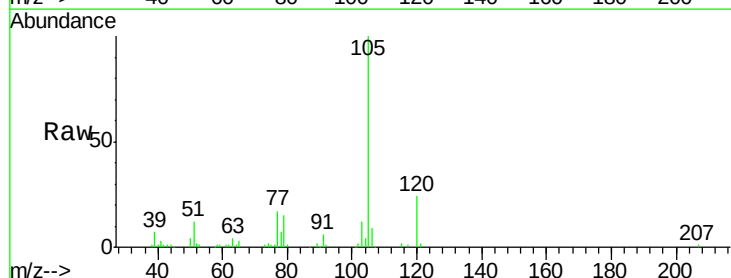
Manual Integrations
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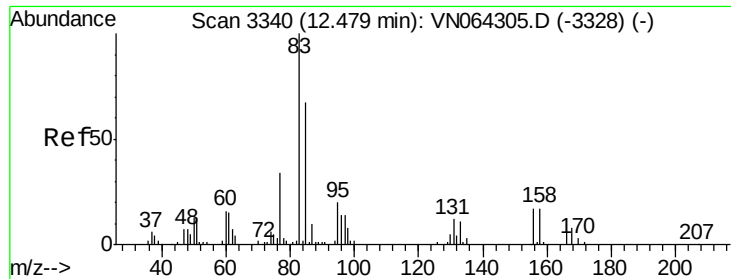
MMDadoda
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#70
Isopropylbenzene
Concen: 4.974 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.3	17.4	32.2





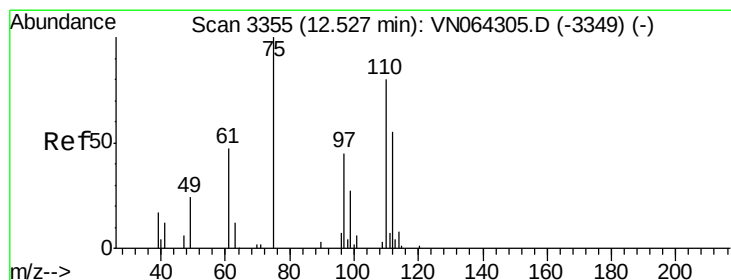
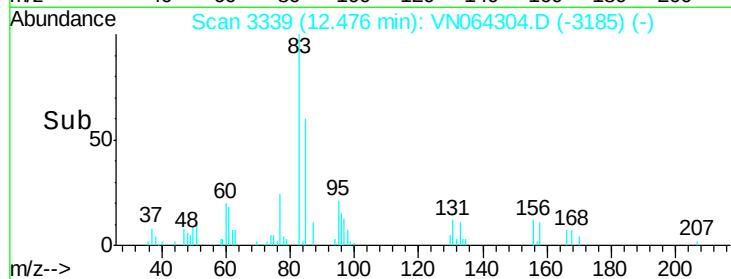
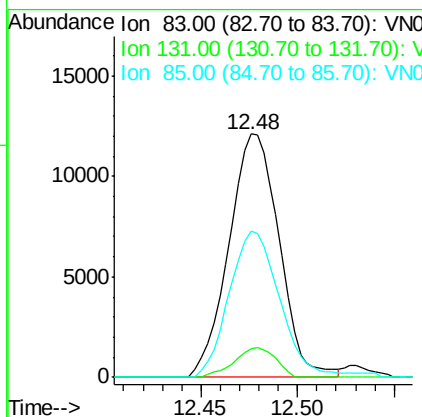
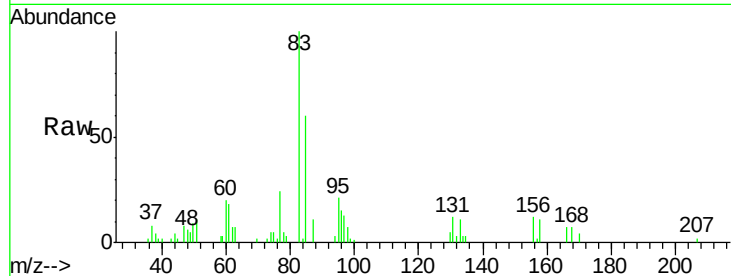
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.900 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	21902
Ion Ratio	100	Lower	Upper
83	100		
131	10.1	6.0	18.0
85	60.5	32.0	96.0

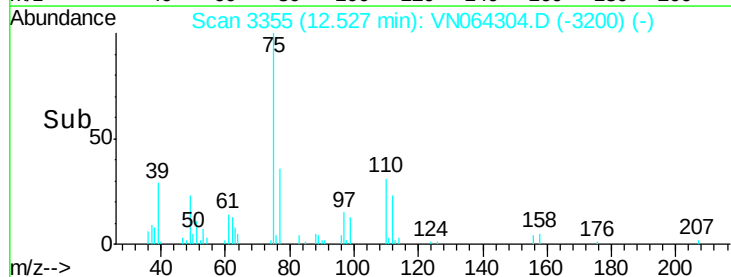
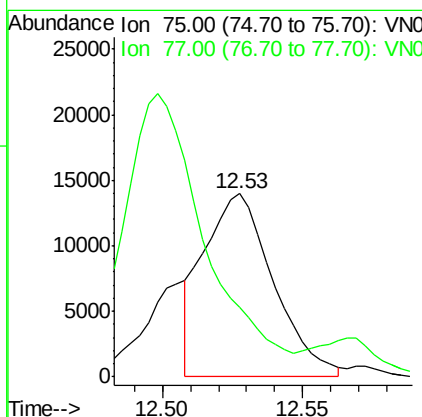
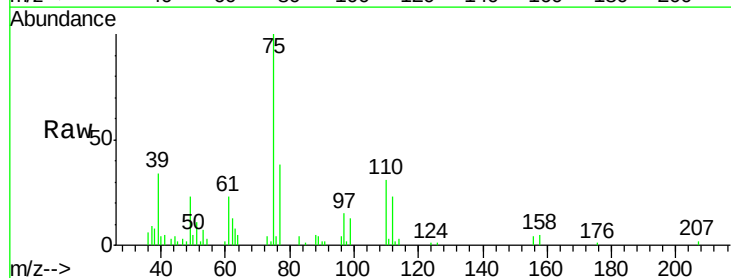
Manual Integrations
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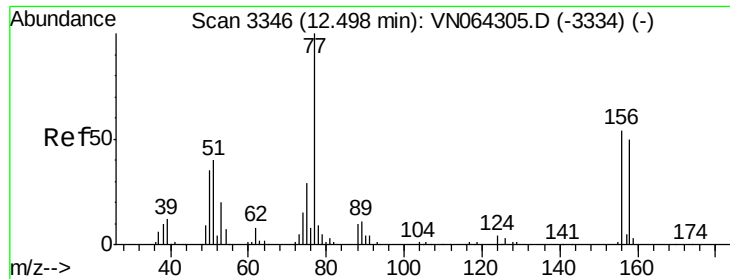
MMDadoda
 10/27/2020 2:20:49 PM



#72
 1,2,3-Trichloropropane
 Concen: 5.083 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Tgt Ion	75	Resp	23898
Ion Ratio	100	Lower	Upper
75	100		
77	185.3	0.0	340.8





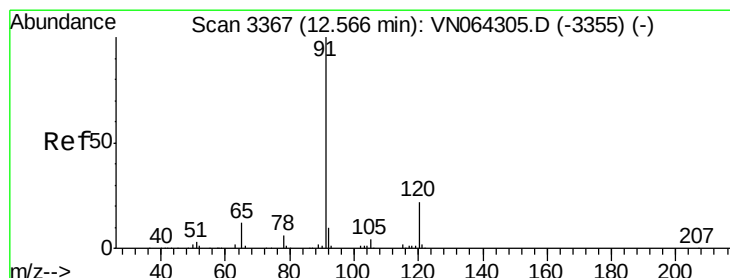
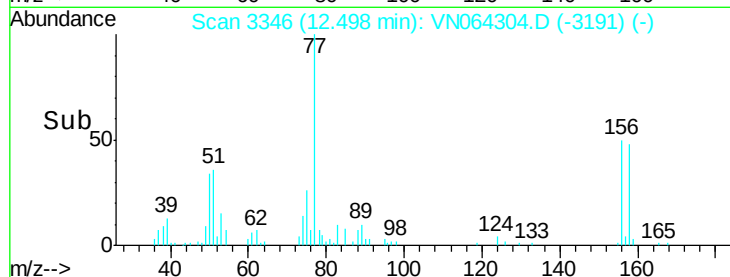
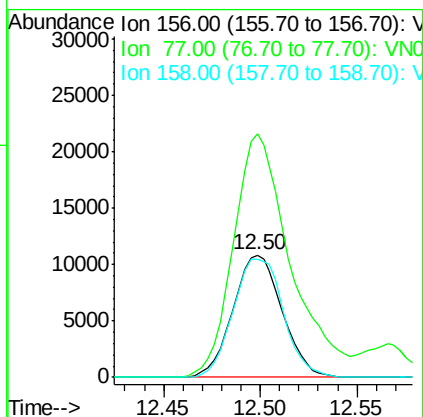
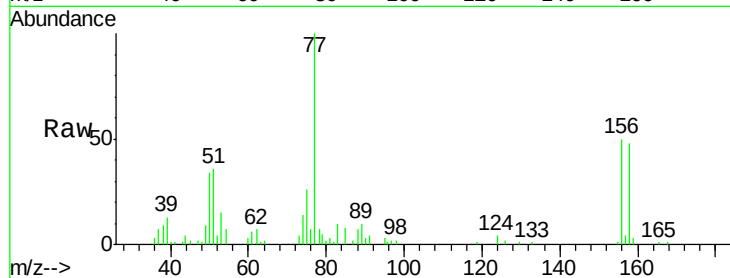
#73
Bromobenzene
Concen: 4.830 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	230.6	0.0	449.2
158	98.7	0.0	191.0

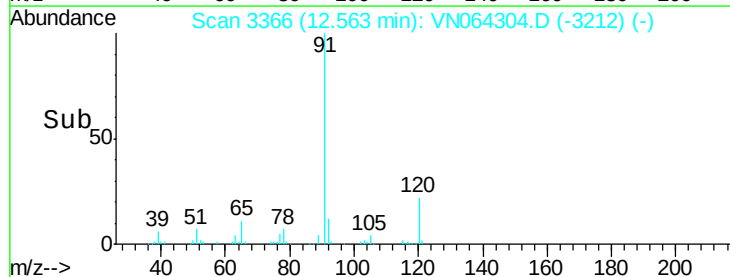
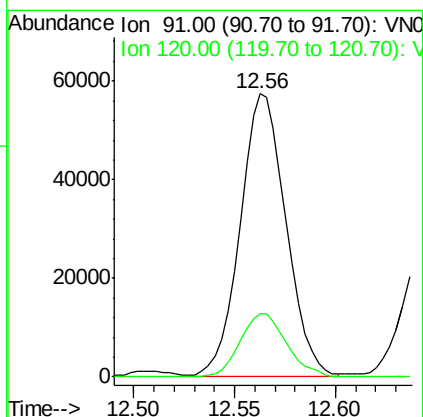
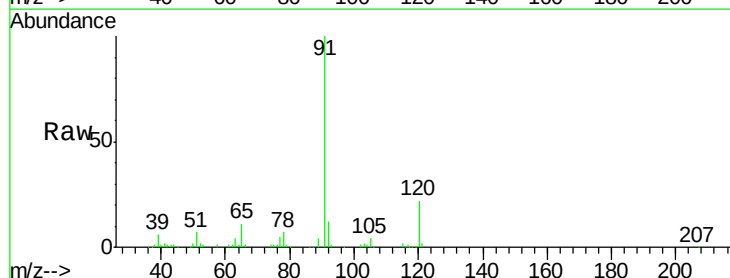
Manual Integrations
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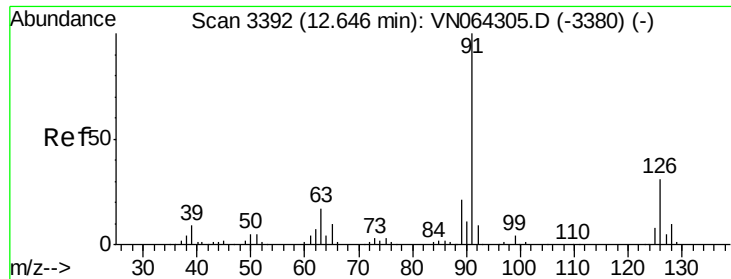
MMDadoda
10/27/2020 2:20:49 PM



#74
n-propylbenzene
Concen: 4.878 ug/l
RT: 12.56 min Scan# 3366
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	0.0	44.2





#75

2-Chlorotoluene

Concen: 4.782 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 55536

Ion Ratio Lower Upper

91 100

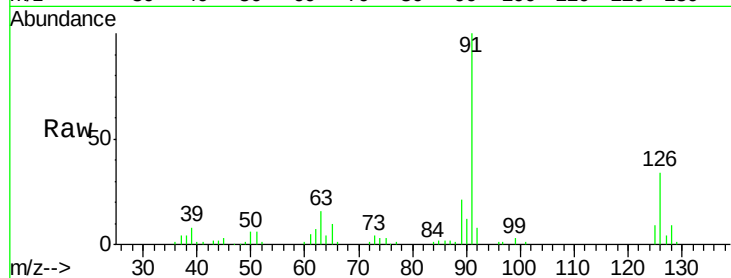
126 32.7 0.0 62.0

Manual Integrations

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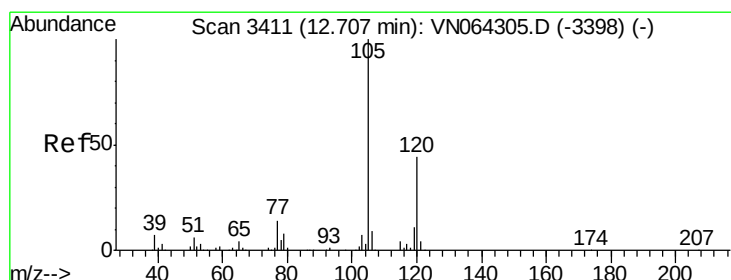
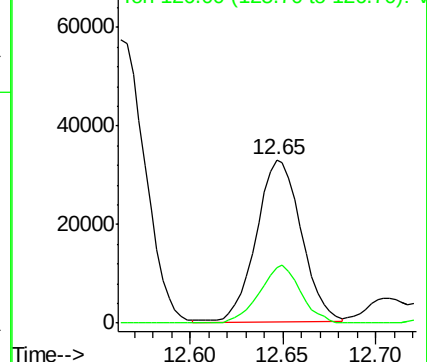
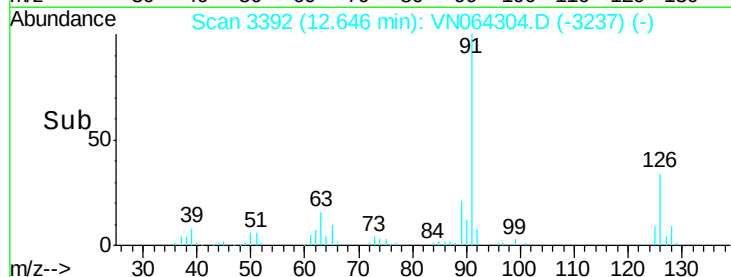
MMDadoda

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

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



#76

1,3,5-Trimethylbenzene

Concen: 4.878 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064304.D

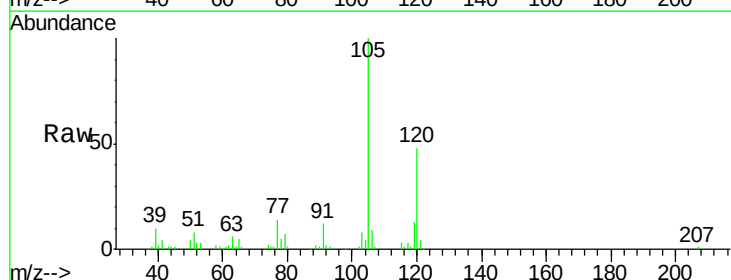
Acq: 26 Oct 2020 15:55

Tgt Ion: 105 Resp: 67411

Ion Ratio Lower Upper

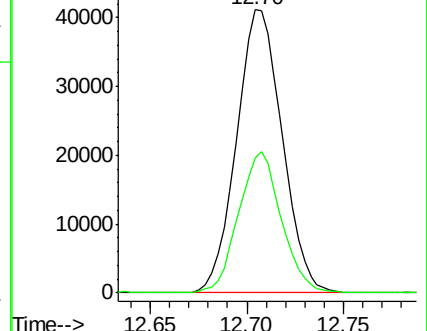
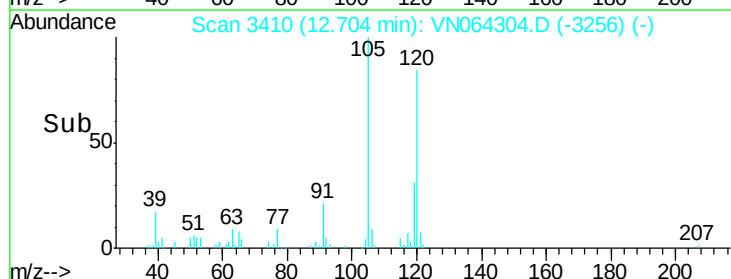
105 100

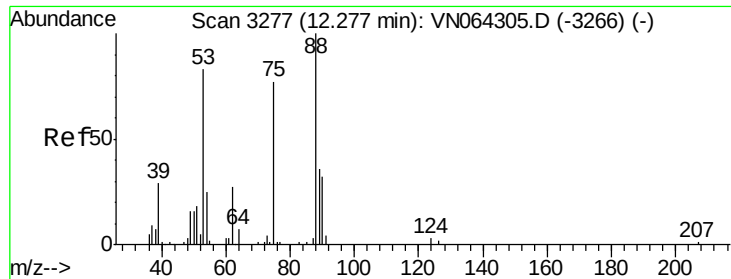
120 46.6 0.0 89.8



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

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





#77

t-1,4-Dichloro-2-butene

Concen: 4.401 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

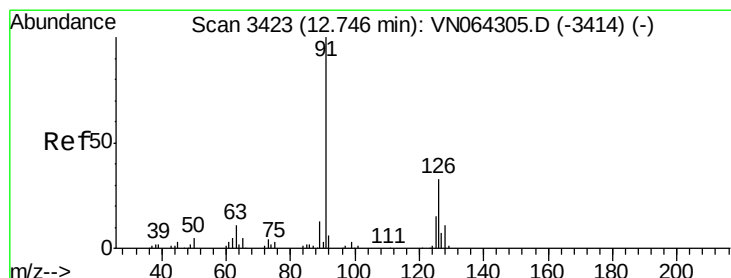
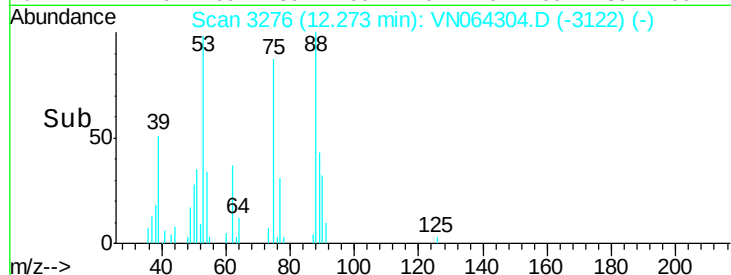
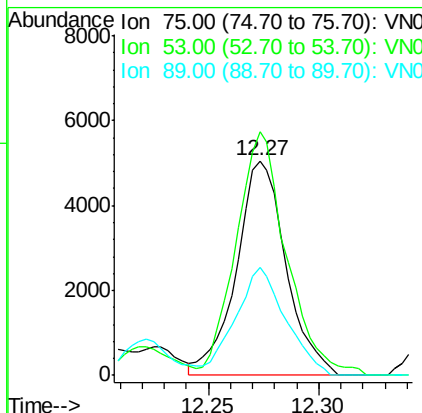
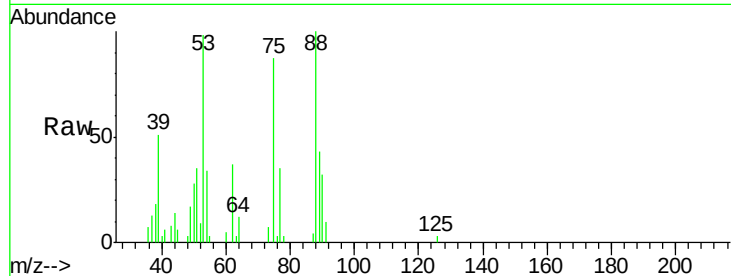
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	7918
Ion	Ratio	Lower	Upper
75	100		
53	109.3	51.0	153.0
89	50.2	24.8	74.3

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#78

4-Chlorotoluene

Concen: 4.771 ug/l

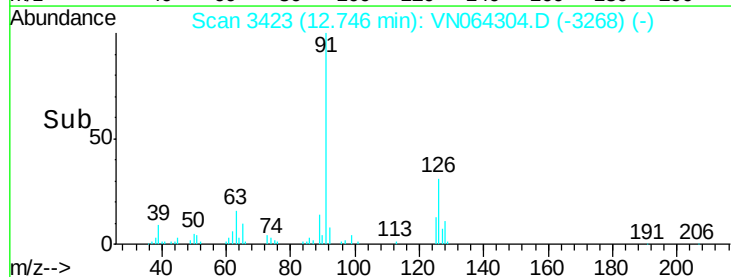
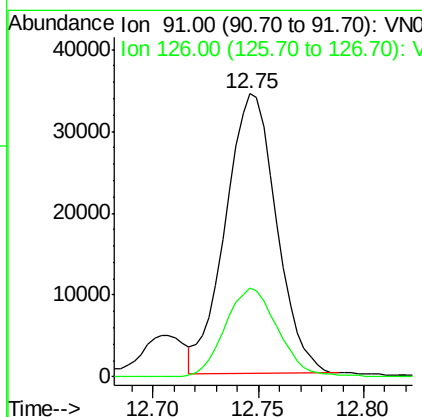
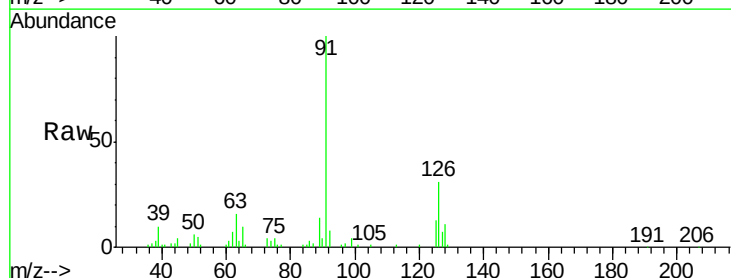
RT: 12.75 min Scan# 3423

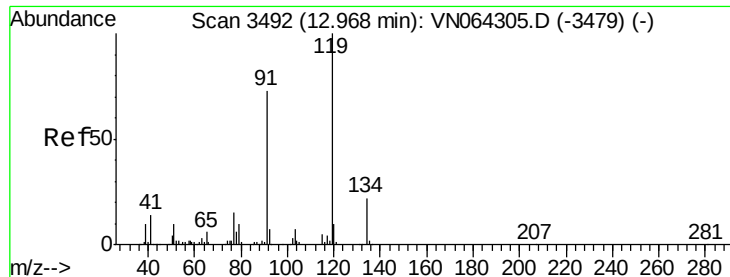
Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Tgt Ion:	91	Resp:	57451
Ion	Ratio	Lower	Upper
91	100		
126	32.7	0.0	62.4





#79

tert-butylbenzene

Concen: 5.183 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

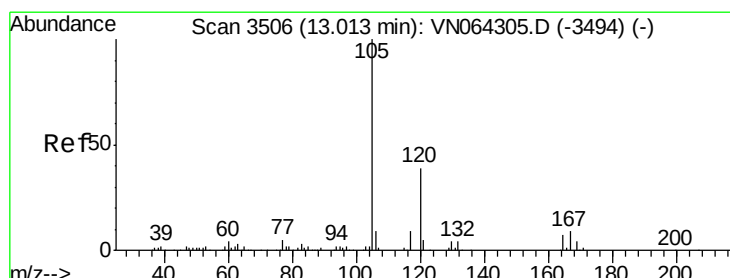
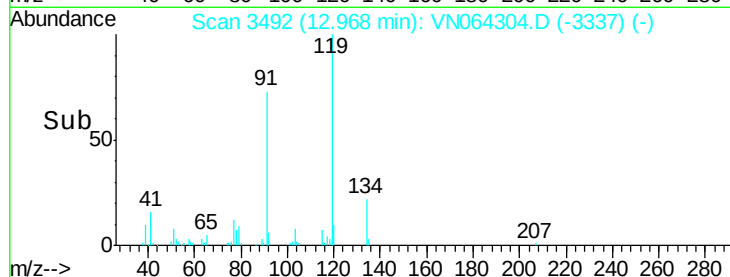
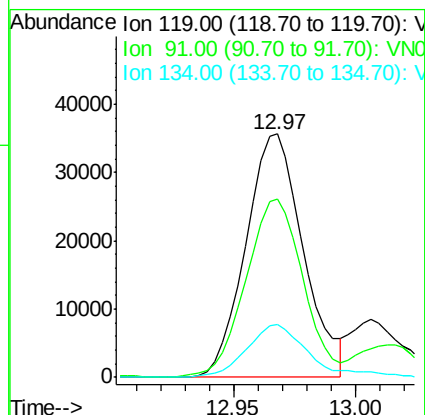
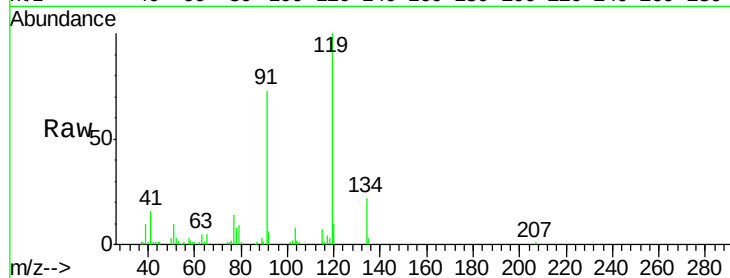
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	58293
Ion Ratio	Lower	Upper	
119	100		
91	72.5	0.0	146.8
134	21.7	0.0	48.6

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#80

1,2,4-Trimethylbenzene

Concen: 4.820 ug/l

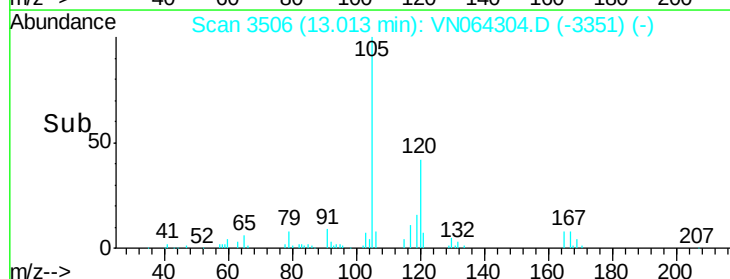
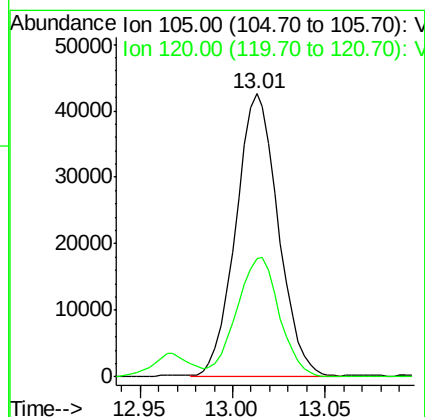
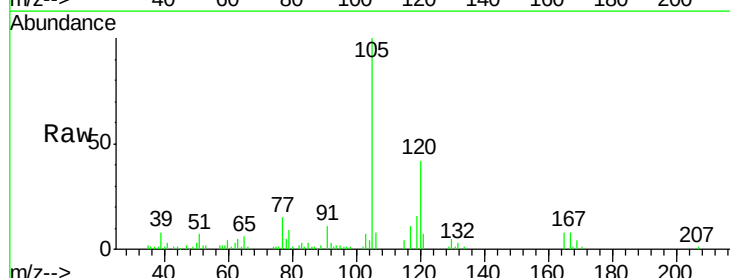
RT: 13.01 min Scan# 3506

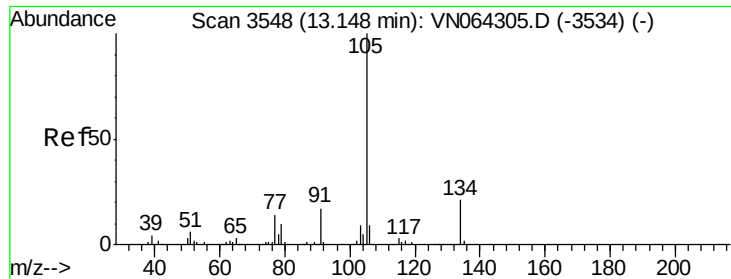
Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Tgt Ion:	105	Resp:	67654
Ion Ratio	Lower	Upper	
105	100		
120	42.5	0.0	87.0





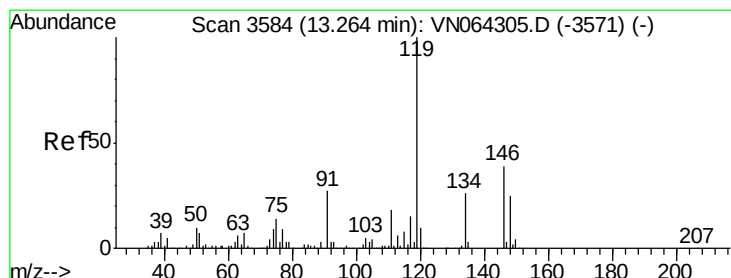
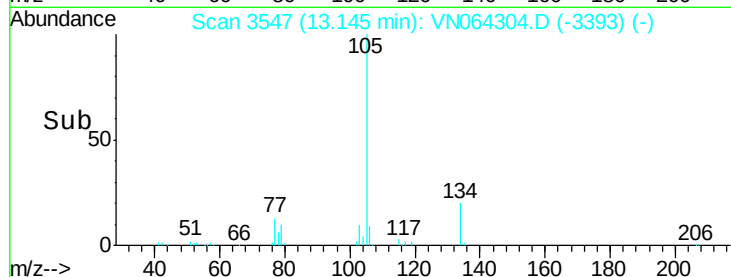
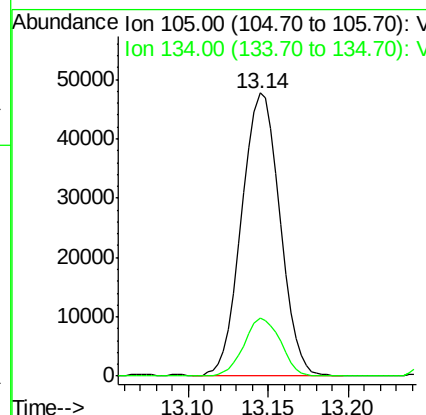
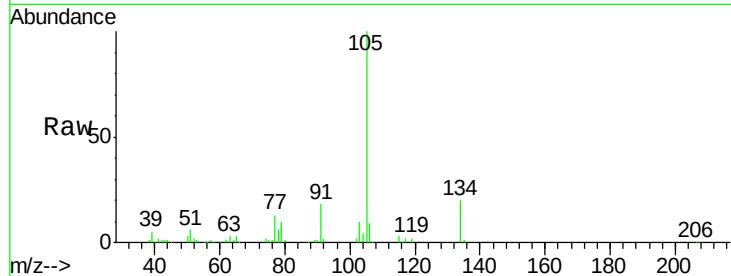
#81
 sec-Butylbenzene
 Concen: 5.340 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	0.0	38.4

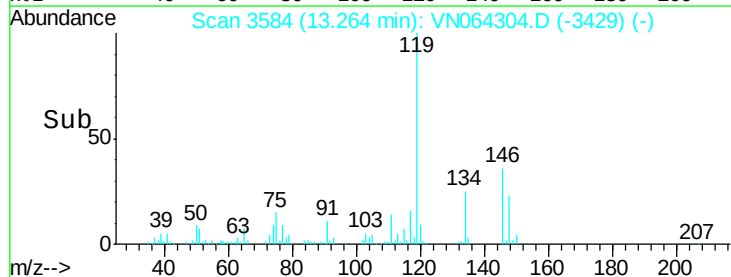
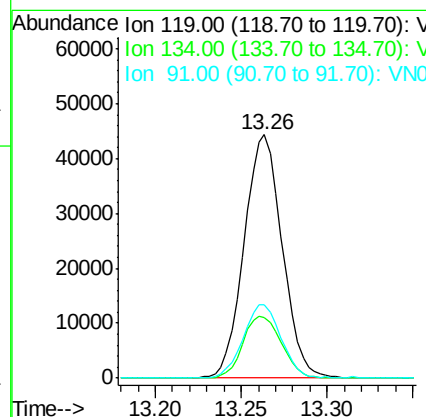
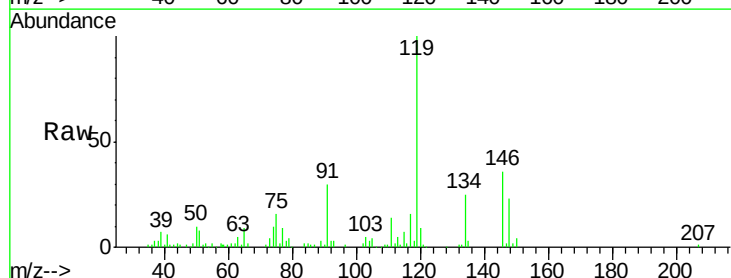
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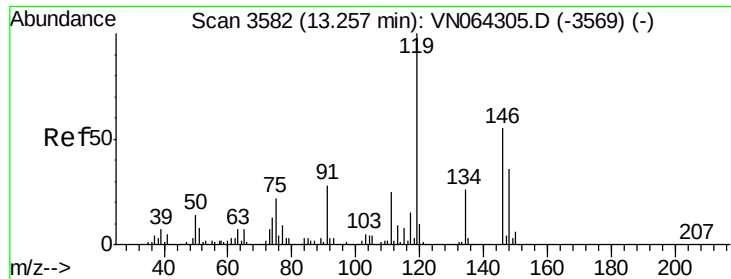
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#82
 p-Isopropyltoluene
 Concen: 5.103 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	0.0	52.2
91	29.8	0.0	56.0





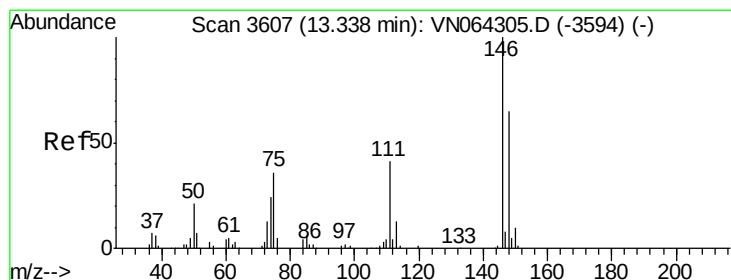
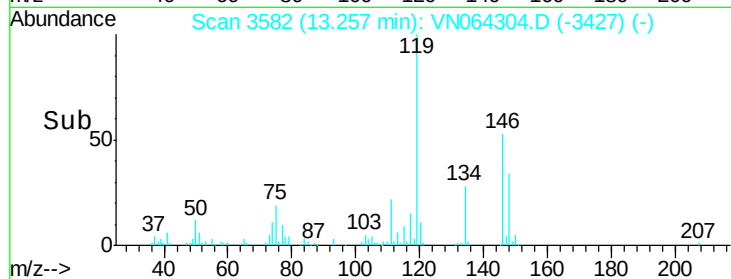
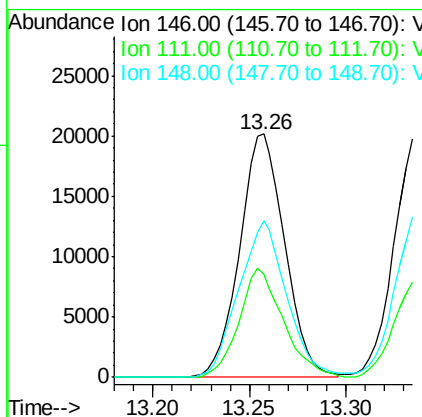
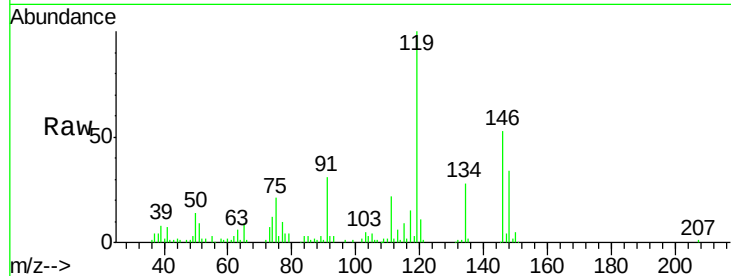
#83
 1,3-Dichlorobenzene
 Concen: 4.692 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.5	67.5
148	68.3	32.5	97.5

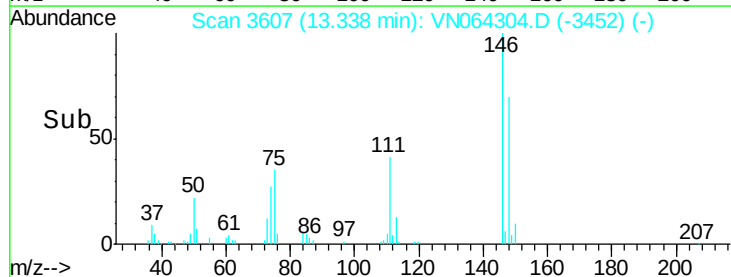
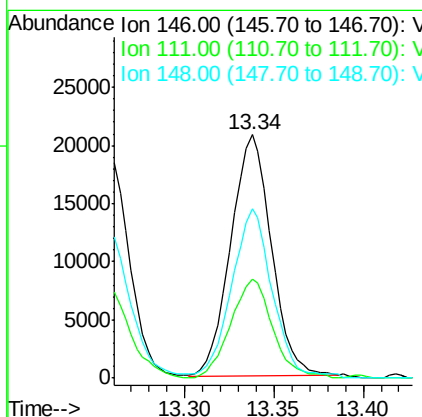
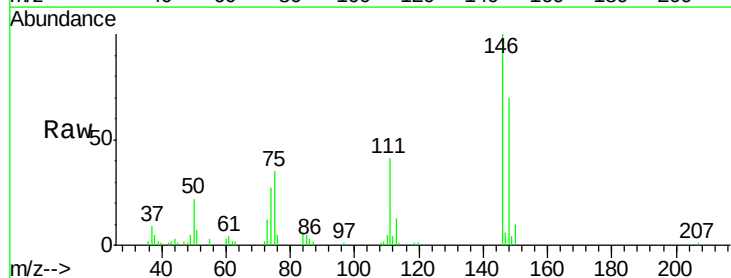
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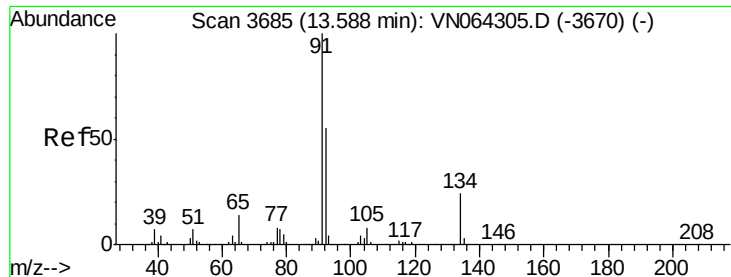
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#84
 1,4-Dichlorobenzene
 Concen: 4.643 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.6	64.8
148	66.5	32.4	97.0





#85

n-Butylbenzene

Concen: 5.394 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Instrument :

MSVOA_N

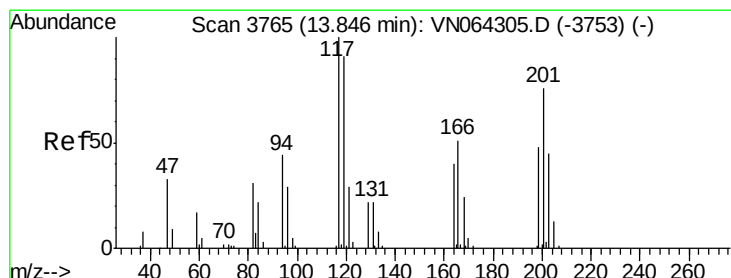
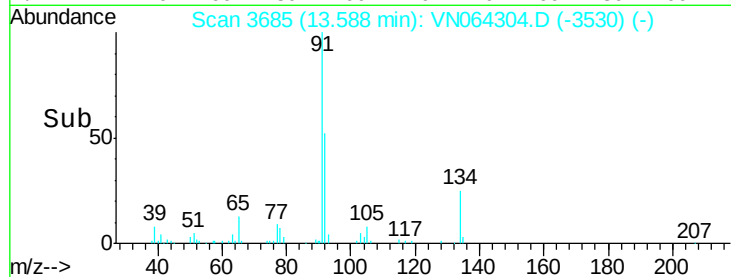
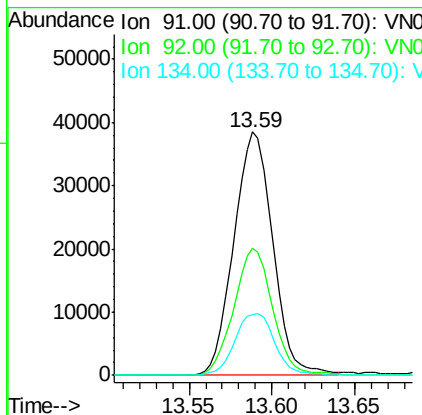
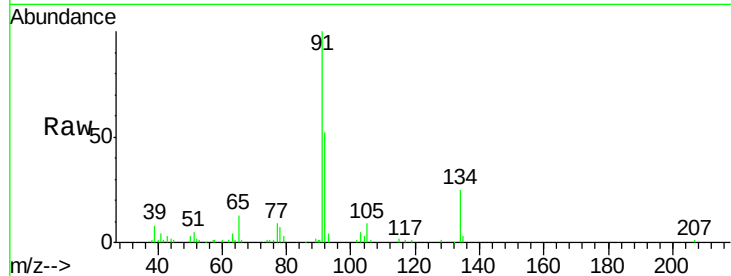
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	63112
Ion	Ratio	Lower	Upper
91	100		
92	51.5	0.0	106.0
134	25.8	0.0	46.4

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#86

Hexachloroethane

Concen: 5.002 ug/l

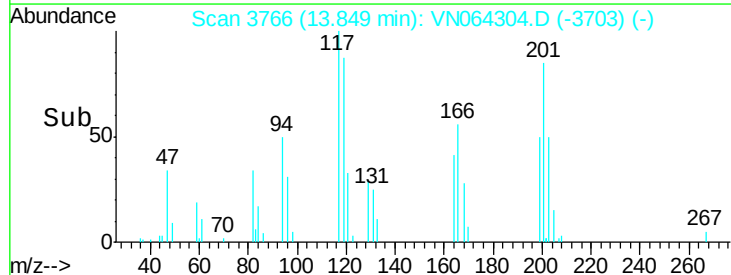
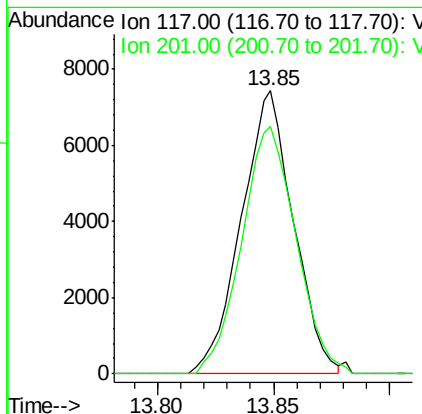
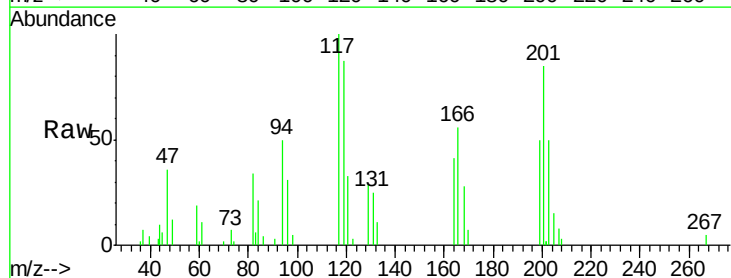
RT: 13.85 min Scan# 3766

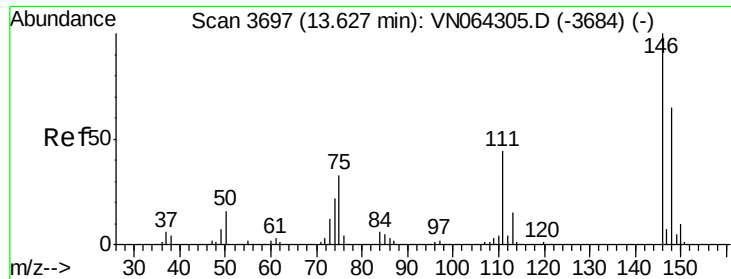
Delta R.T. 0.00 min

Lab File: VN064304.D

Acq: 26 Oct 2020 15:55

Tgt Ion:	117	Resp:	11592
Ion	Ratio	Lower	Upper
117	100		
201	91.1	39.6	118.7





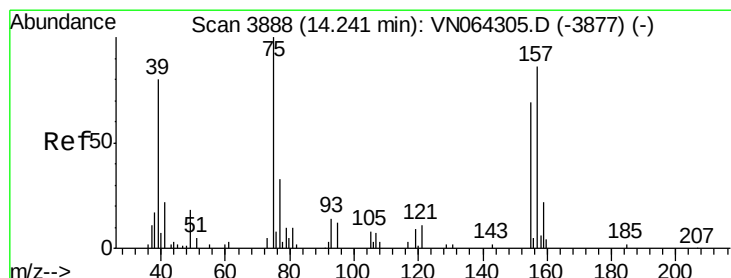
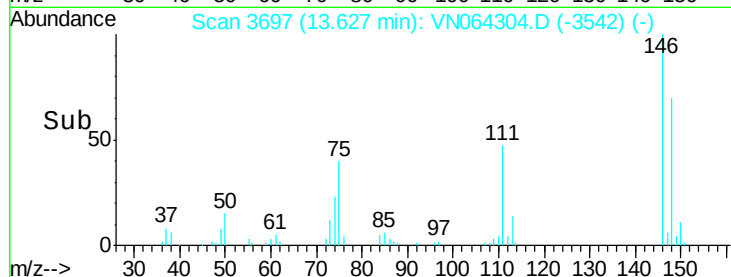
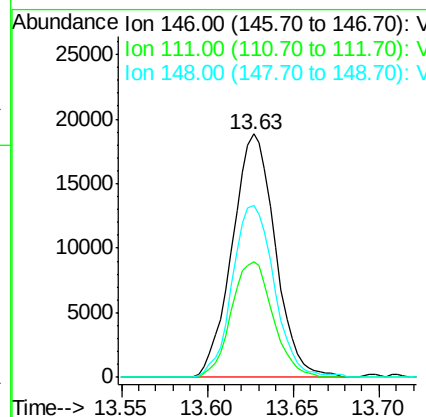
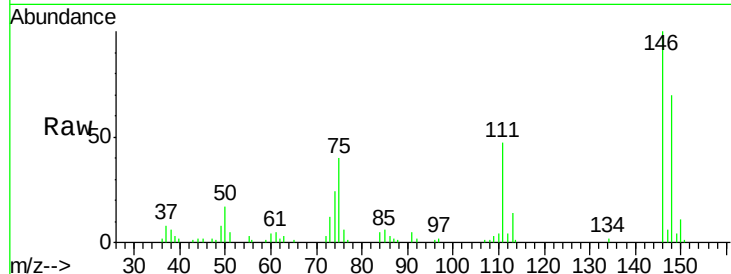
#87
 1,2-Dichlorobenzene
 Concen: 4.803 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.3	66.8
148	68.6	31.6	95.0

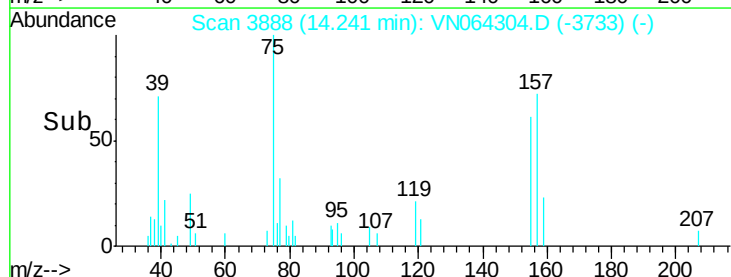
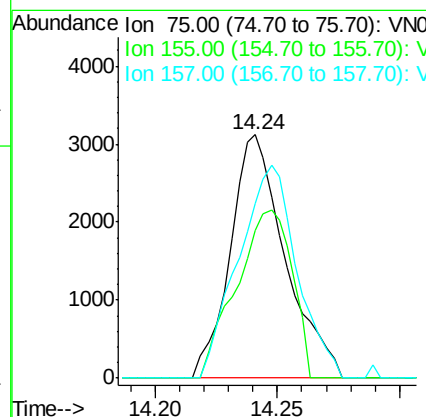
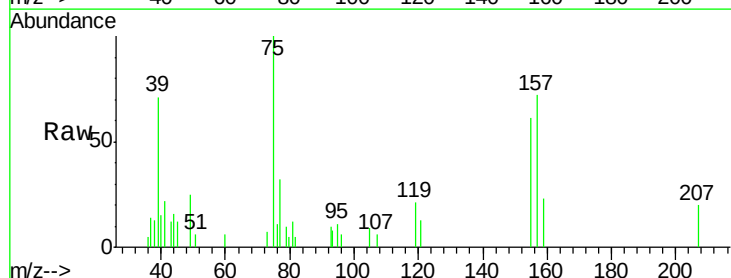
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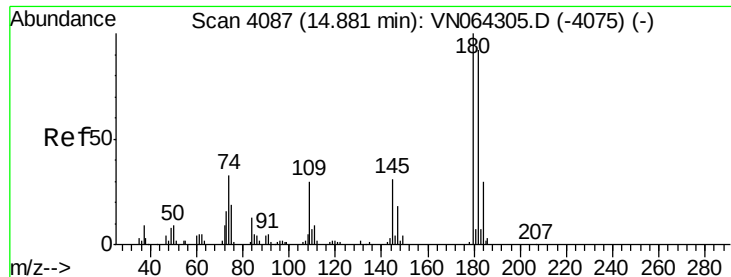
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.446 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.9	55.8	83.8
157	93.4	72.1	108.1





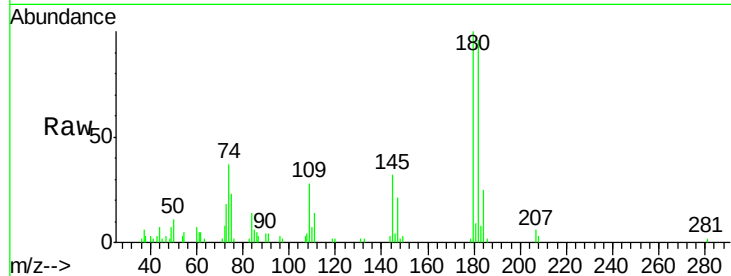
#89
 1,2,4-Trichlorobenzene
 Concen: 4.729 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

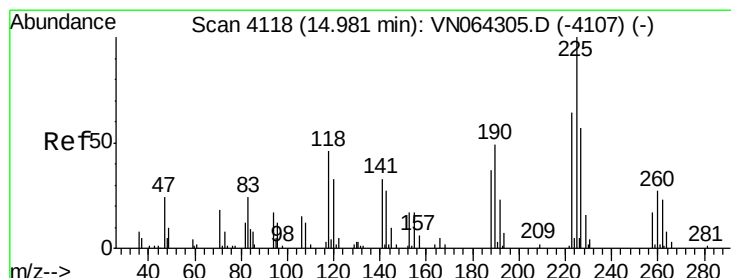
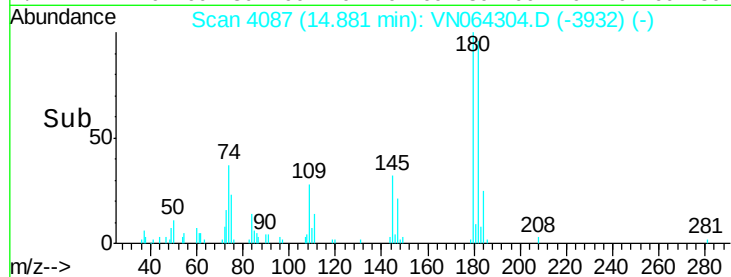
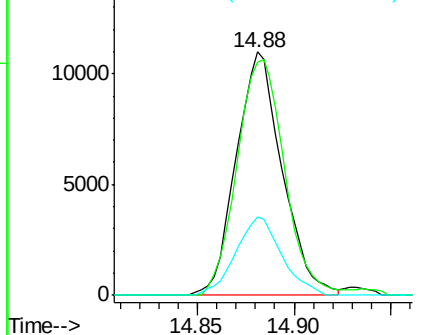
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.9	76.6	114.8
145	32.0	25.4	38.0

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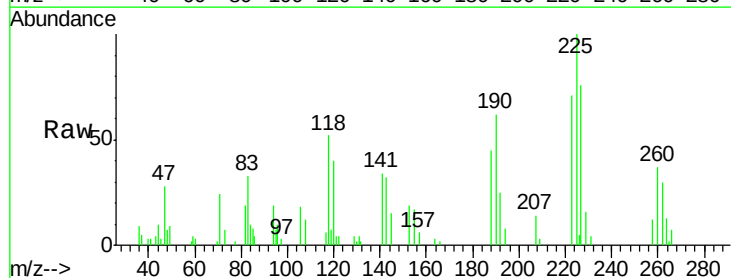


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

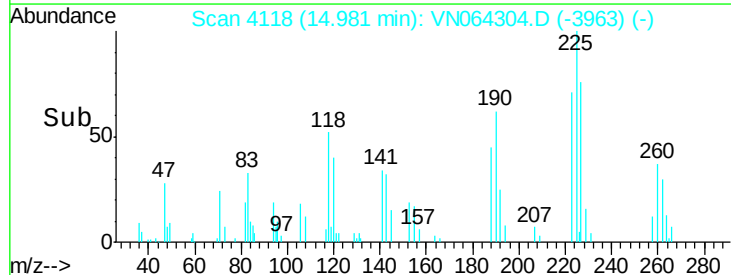
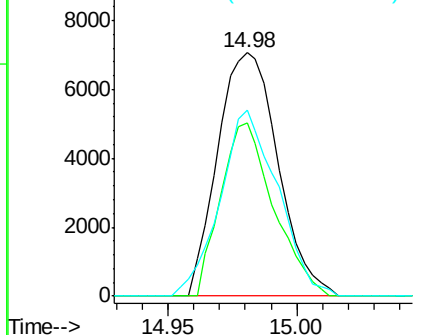


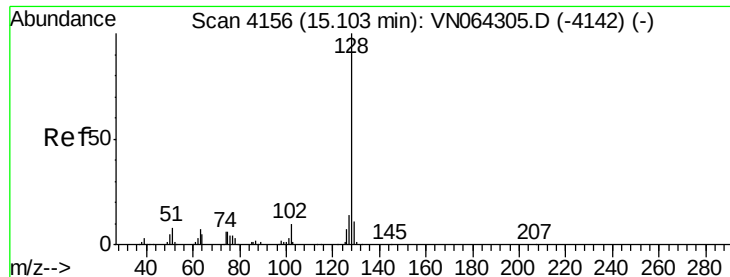
#90
 Hexachlorobutadiene
 Concen: 5.489 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064304.D
 Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	122.0
227	72.9	0.0	118.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





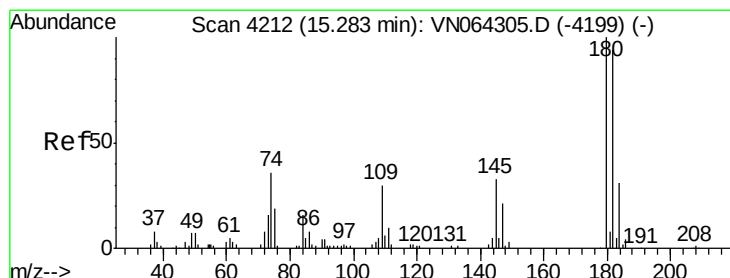
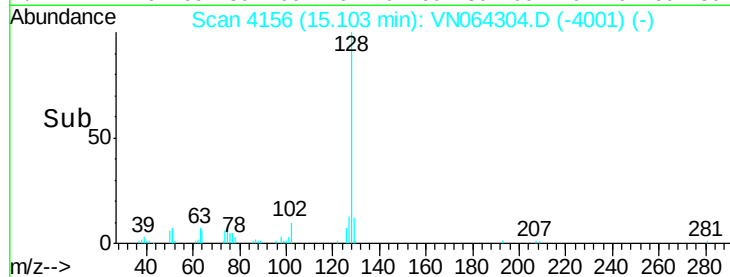
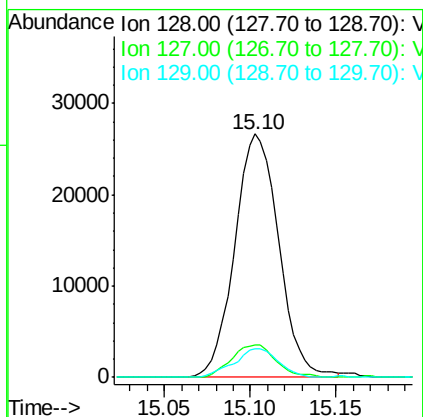
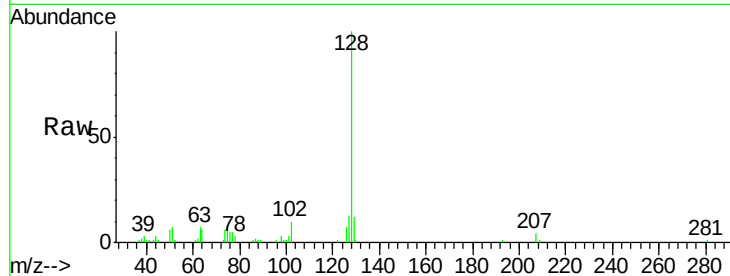
#91
Naphthalene
Concen: 4.159 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.7	8.8	13.2

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#92
1,2,3-Trichlorobenzene
Concen: 4.677 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064304.D
Acq: 26 Oct 2020 15:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.7	0.0	190.0
145	38.2	0.0	67.8

