

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064286.D
 Acq On : 23 Oct 2020 14:58
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102320

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:38:53 PM

Quant Time: Oct 23 16:44:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 23 15:14:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	47609	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	278070	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	248658	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	129749	31.22	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.07%
60) 4-Bromofluorobenzene	12.38	95	135788	30.68	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.27%
63) Toluene-d8	10.06	98	334718	30.12	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	62414	20.152	ug/l 98
3) Chloromethane	2.04	50	64089	19.593	ug/l 95
4) Vinyl Chloride	2.16	62	64559	19.647	ug/l 95
5) Bromomethane	2.53	94	41281	19.137	ug/l 87
6) Chloroethane	2.67	64	36733	19.062	ug/l 97
7) Trichlorofluoromethane	2.98	101	102834	18.501	ug/l 98
8) Diethyl Ether	3.37	74	32940	17.984	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	54883	19.809	ug/l # 55
10) 1,1-Dichloroethene	3.69	96	50104	18.860	ug/l # 90
11) Methyl Iodide	3.91	142	69547	18.270	ug/l 98
12) Methyl Acetate	4.27	43	55634	17.908	ug/l 92
13) Acrolein	3.56	56	20727	81.307	ug/l 94
14) Acrylonitrile	4.92	53	103947	86.456	ug/l 99
15) Acetone	3.77	58	36964	96.045	ug/l 97
16) Carbon Disulfide	4.01	76	145214	18.866	ug/l 96
17) Allyl chloride	4.27	41	99280	19.494	ug/l 93
18) Methylene Chloride	4.50	84	56940	18.332	ug/l 95
19) trans-1,2-Dichloroethene	4.98	96	54763	18.134	ug/l 91
20) Diisopropyl ether	5.89	45	179141	18.459	ug/l 97
21) 1,1-Dichloroethane	5.80	63	109127	18.854	ug/l 99
22) cis-1,2-Dichloroethene	6.77	96	64410	18.592	ug/l # 90
23) tert-Butyl Alcohol	4.72	59	51168m	91.783	ug/l
24) Methyl tert-Butyl Ether	4.99	73	172169m	18.659	ug/l
25) Chloroform	7.32	83	113522	18.122	ug/l 97
26) Cyclohexane	7.61	56	81535	18.165	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	88513	18.413	ug/l 96
30) 2-Butanone	6.78	43	180951	85.711	ug/l 100
31) 2,2-Dichloropropane	6.77	77	110931	18.438	ug/l # 83
32) 1,1,1-Trichloroethane	7.52	97	110780	18.036	ug/l 96
33) Carbon Tetrachloride	7.73	117	99758	18.130	ug/l 95
34) Benzene	8.00	78	232885	17.728	ug/l 95
35) Methacrylonitrile	7.12	41	32683	15.355	ug/l 97
36) 1,2-Dichloroethane	8.08	62	102162	18.240	ug/l 100
37) Trichloroethene	8.80	130	64659	17.885	ug/l 90
38) Methylcyclohexane	9.04	83	79898	18.206	ug/l 95
39) 1,2-Dichloropropane	9.08	63	63454	18.068	ug/l 95
40) Dibromomethane	9.17	93	43318	17.630	ug/l 91

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41) Bromodichloromethane	9.37	83	94387	17.714	ug/l	94
42) Vinyl Acetate	5.84	43	824522	88.548	ug/l	100
43) Ethyl Acetate	6.87	43	78759	17.622	ug/l #	92
44) Isopropyl Acetate	8.12	43	144144m	17.982	ug/l	
45) 1,4-Dioxane	9.16	88	18309	373.988	ug/l	87
46) Methyl methacrylate	9.16	41	72469	18.697	ug/l	95
47) n-amyl Acetate	12.04	43	118449	17.126	ug/l	96
48) t-1,3-Dichloropropene	10.35	75	105404	17.719	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	108993	17.642	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	56622	17.494	ug/l #	93
51) Ethyl methacrylate	10.40	69	86620	17.400	ug/l	88
52) 1,3-Dichloropropane	10.68	76	97374	17.015	ug/l	96
53) Dibromochloromethane	10.87	129	69473	17.180	ug/l	91
54) 1,2-Dibromoethane	10.97	107	60276	17.428	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	226324	93.569	ug/l	97
56) Bromoform	12.10	173	46041	16.104	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	377613	88.113	ug/l	100
59) 2-Hexanone	10.72	43	284674	87.610	ug/l	99
61) Tetrachloroethene	10.60	164	65040	18.720	ug/l	92
62) Toluene	10.12	91	255498	17.849	ug/l	98
64) Chlorobenzene	11.40	112	163099	18.368	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.48	131	61898	17.451	ug/l	99
66) Ethyl Benzene	11.48	91	295043	17.978	ug/l	98
67) m/p-Xylenes	11.59	106	216882	35.637	ug/l	100
68) o-Xylene	11.92	106	109397	18.512	ug/l	91
69) Styrene	11.94	104	173793	17.663	ug/l	99
70) Isopropylbenzene	12.22	105	279251	17.874	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	74623	17.806	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	82350m	18.924	ug/l	
73) Bromobenzene	12.50	156	66960	17.619	ug/l	99
74) n-propylbenzene	12.56	91	320510	17.879	ug/l	98
75) 2-Chlorotoluene	12.65	91	198460	17.929	ug/l	95
76) 1,3,5-Trimethylbenzene	12.71	105	240059	18.128	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	28960	17.209	ug/l	84
78) 4-Chlorotoluene	12.75	91	205775	17.830	ug/l	100
79) tert-butylbenzene	12.97	119	195161	18.034	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	235913	17.554	ug/l	100
81) sec-Butylbenzene	13.14	105	252970	18.007	ug/l	99
82) p-Isopropyltoluene	13.26	119	234153	18.163	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	118855	17.730	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	115933	16.984	ug/l	99
85) n-Butylbenzene	13.59	91	205401	18.106	ug/l	95
86) Hexachloroethane	13.85	117	38929	17.883	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	116102	17.751	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	17762	17.393	ug/l	94
89) 1,2,4-Trichlorobenzene	14.88	180	61939	16.601	ug/l	91
90) Hexachlorobutadiene	14.98	225	37579	18.394	ug/l	98
91) Naphthalene	15.10	128	184908	16.947	ug/l	97
92) 1,2,3-Trichlorobenzene	15.28	180	59685	16.681	ug/l	96

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

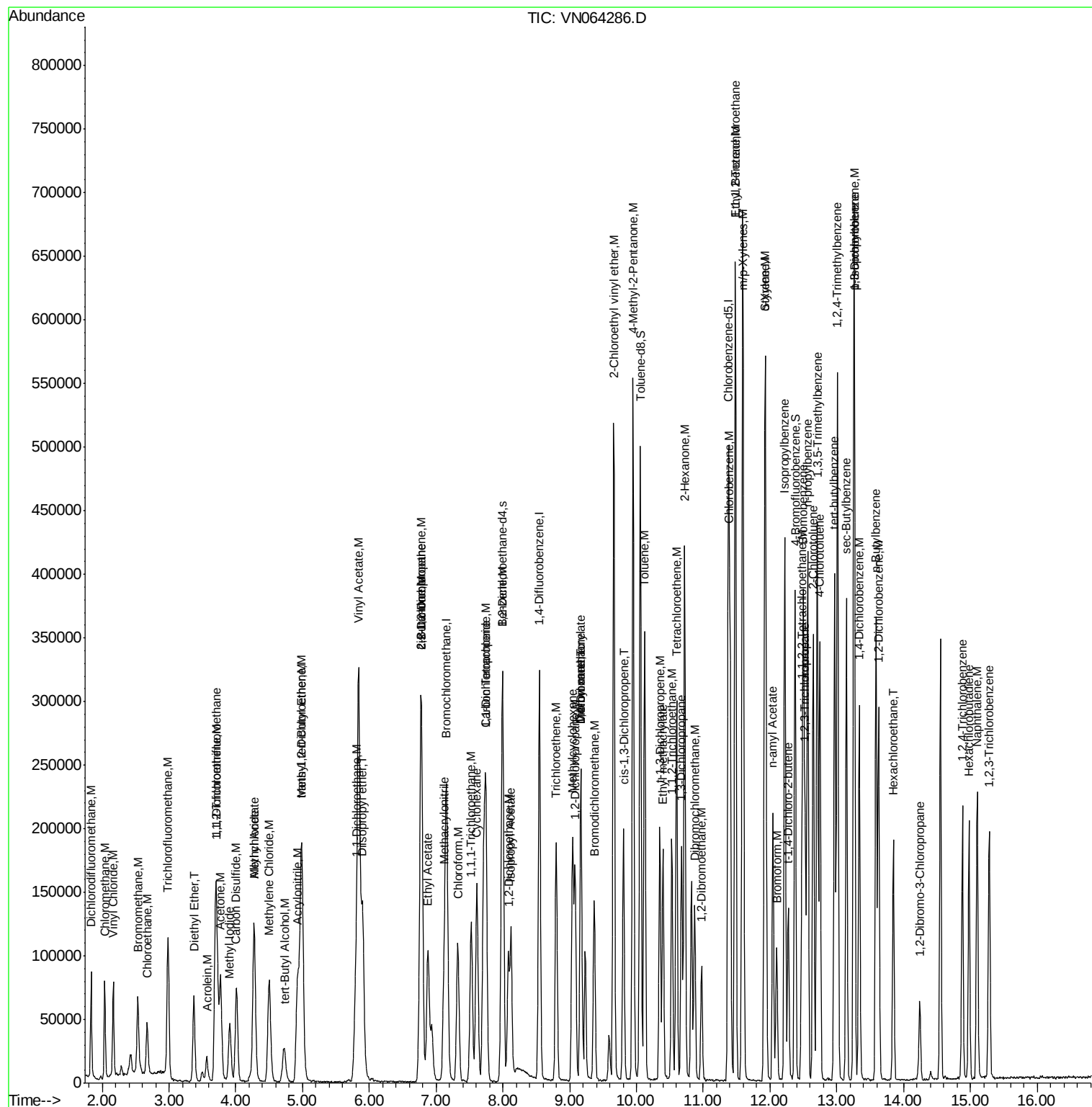
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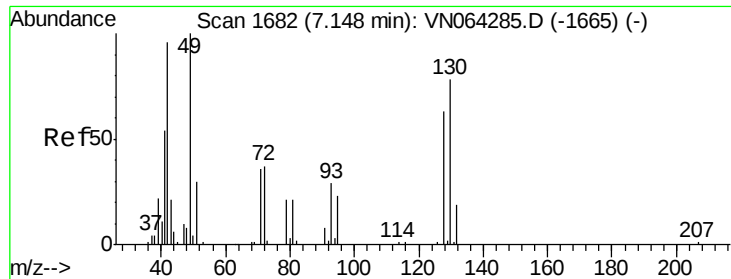
Instrument :
MSVOA_N
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102320

Tot Ion:128 Resp: 47609

Ion Ratio Lower Upper

128 100

49 174.9 0.0 445.0

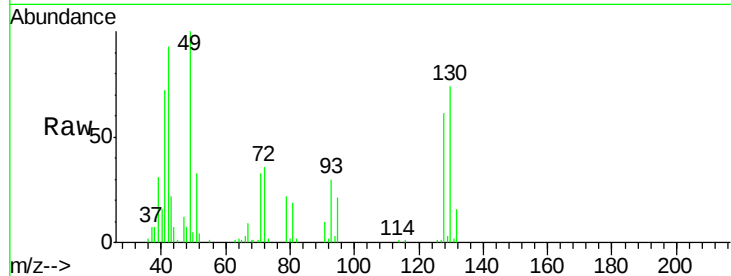
130 130.0 0.0 320.2

Manual Integrations

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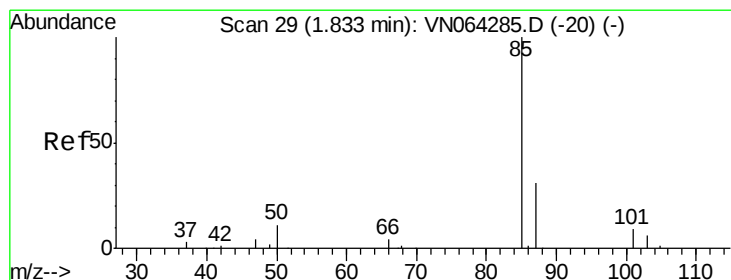
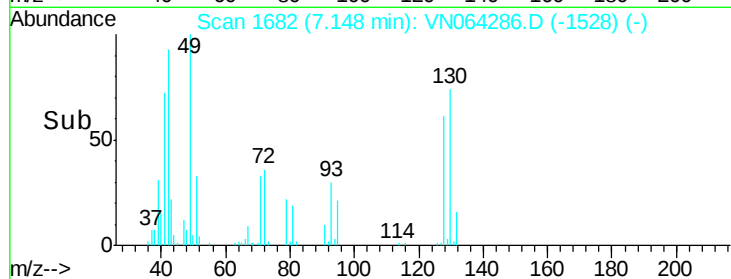
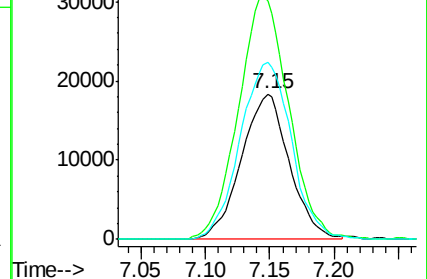
10/26/2020 1:38:53 PM



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: 20.152 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064286.D

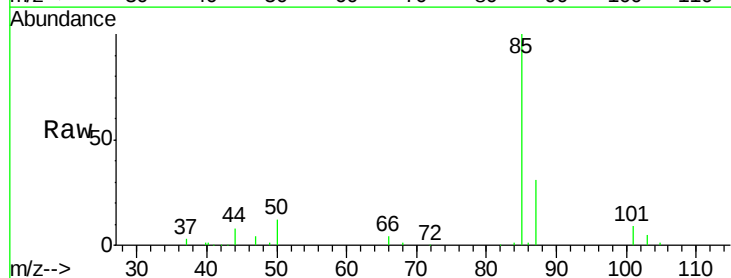
Acq: 23 Oct 2020 14:58

Tgt Ion: 85 Resp: 62414

Ion Ratio Lower Upper

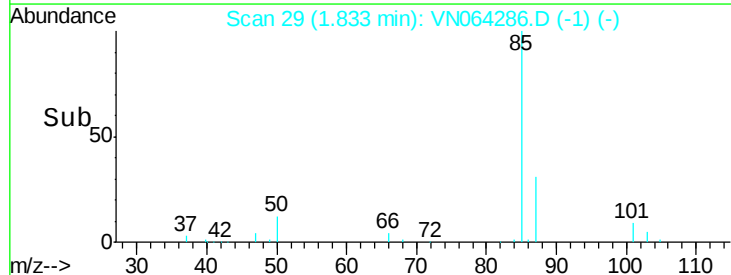
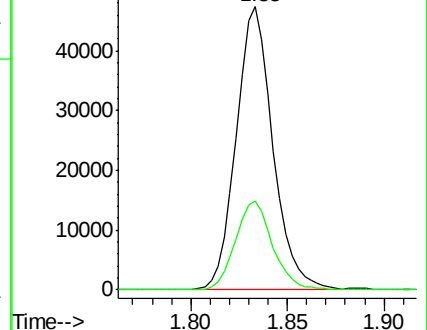
85 100

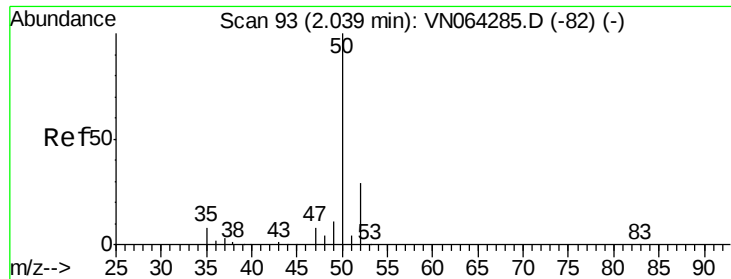
87 31.5 16.4 49.2



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.593 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102320

Tot Ion: 50 Resp: 64089

Ion Ratio Lower Upper

50 100

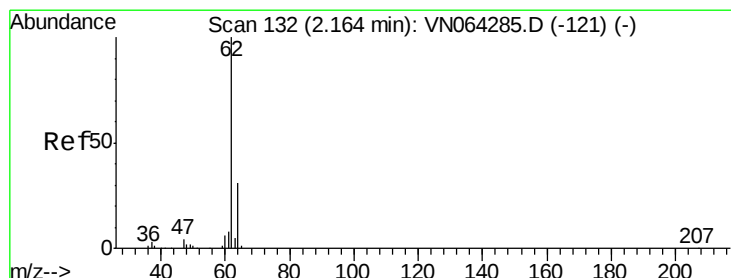
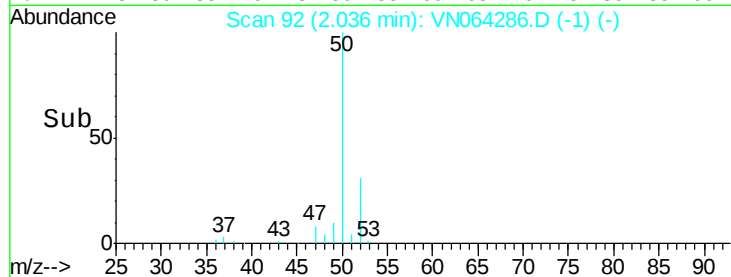
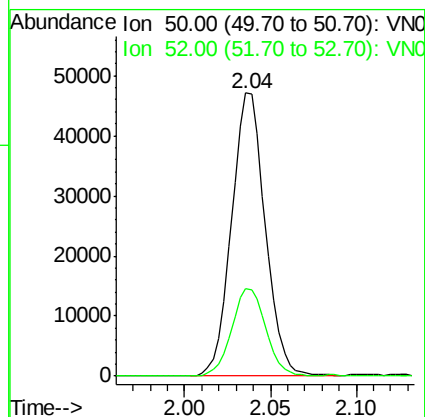
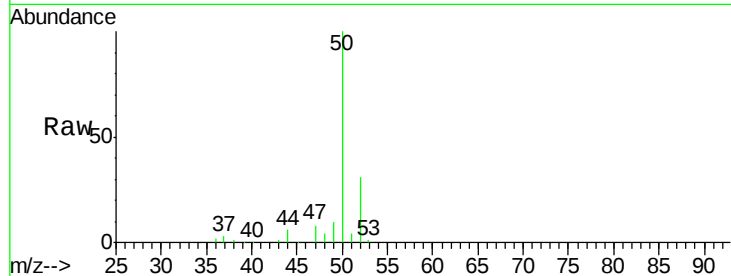
52 31.0 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.647 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064286.D

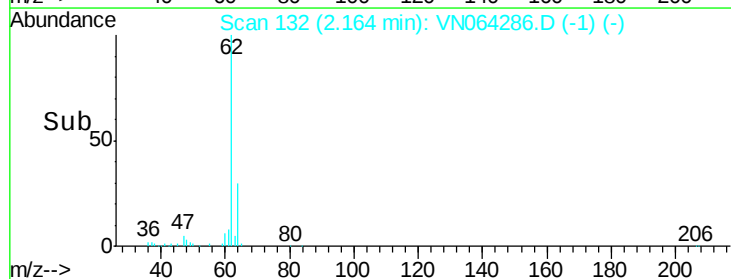
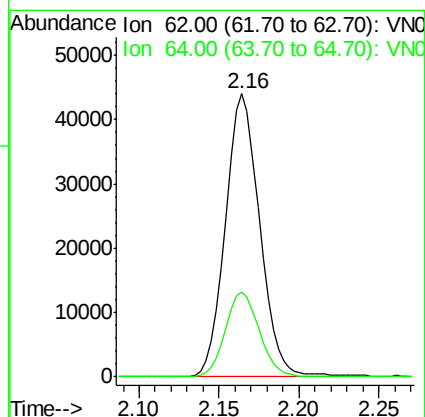
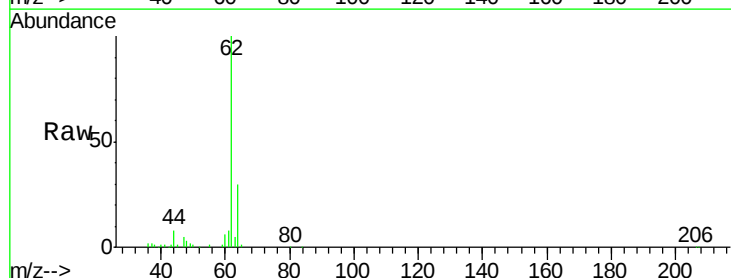
Acq: 23 Oct 2020 14:58

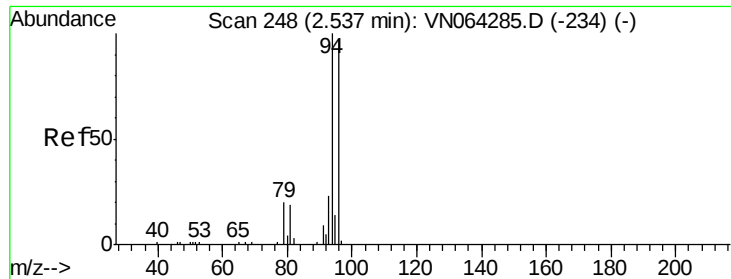
Tgt Ion: 62 Resp: 64559

Ion Ratio Lower Upper

62 100

64 30.2 26.6 39.8





#5

Bromomethane

Concen: 19.137 ug/l

RT: 2.53 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

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Tot Ion: 94 Resp: 41281

Ion Ratio Lower Upper

94 100

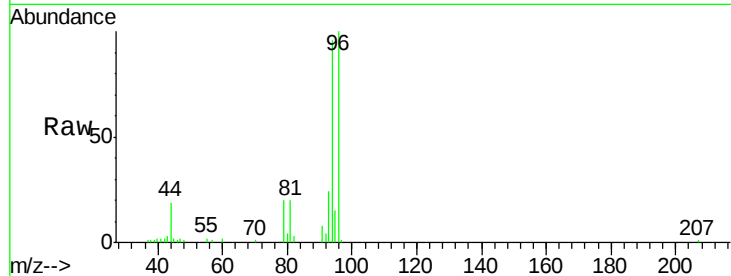
96 102.6 72.4 108.6

Manual Integrations

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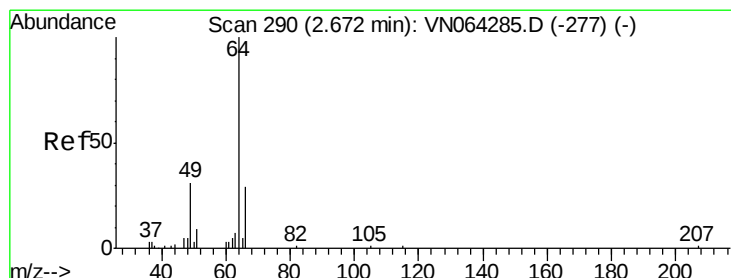
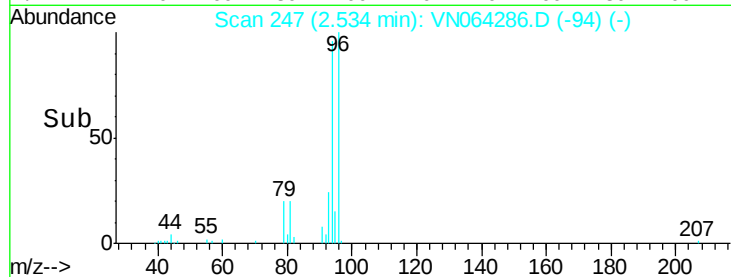
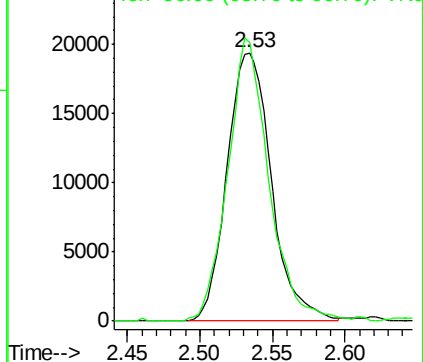
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.062 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064286.D

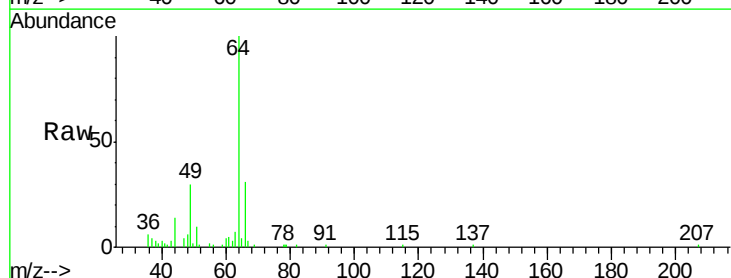
Acq: 23 Oct 2020 14:58

Tgt Ion: 64 Resp: 36733

Ion Ratio Lower Upper

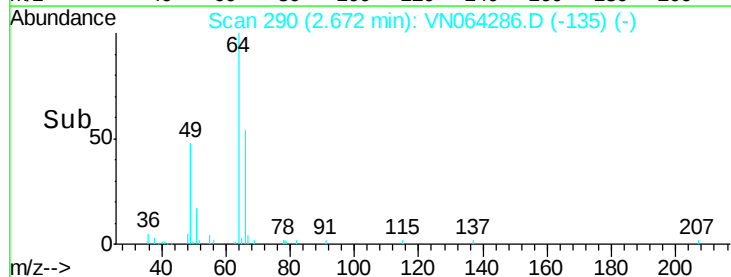
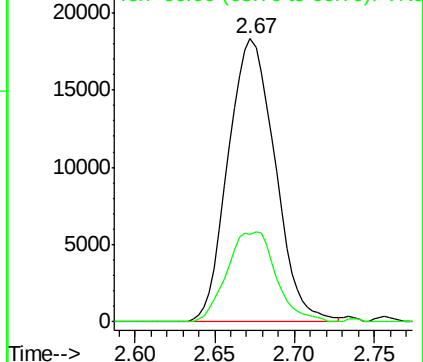
64 100

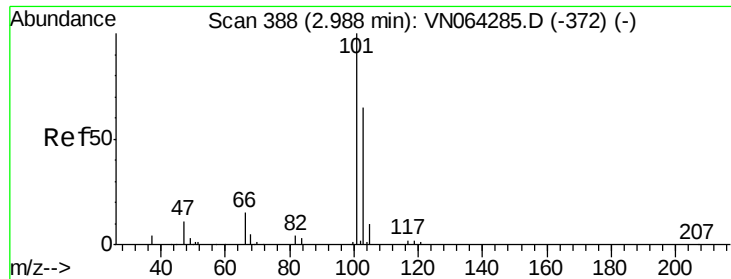
66 31.1 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

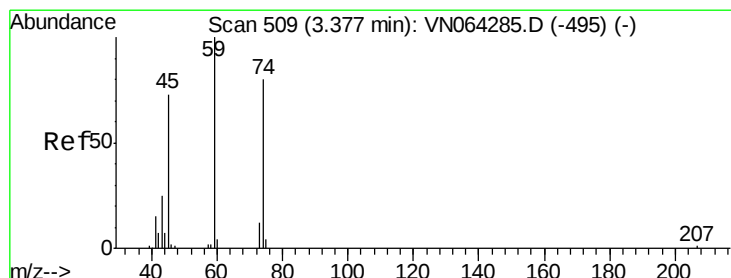
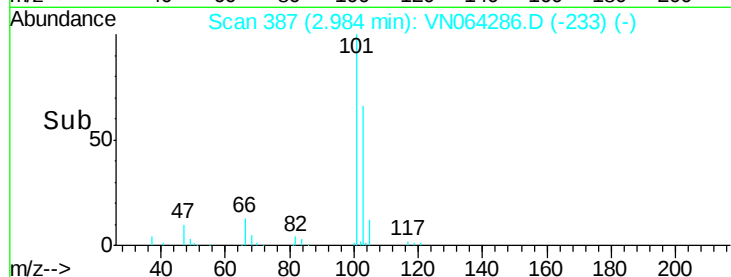
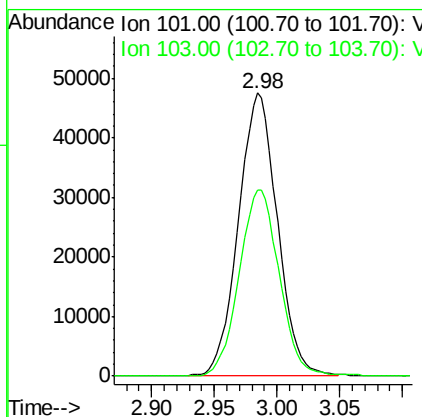
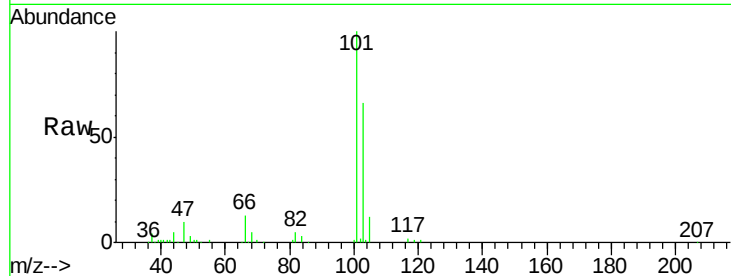
Trichlorofluoromethane
 Concen: 18.501 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064286.D
 Acq: 23 Oct 2020 14:58

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.4	77.0

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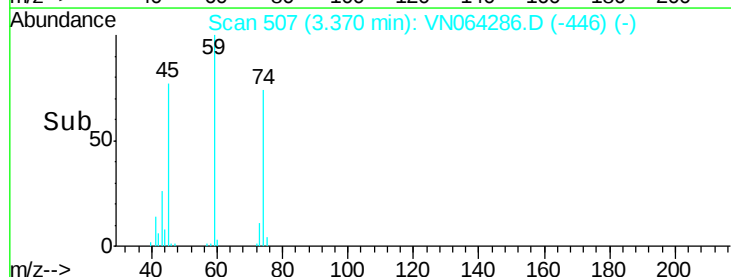
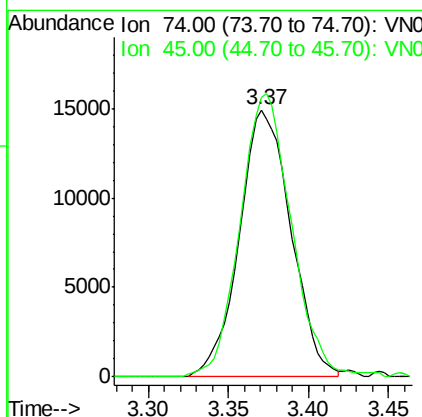
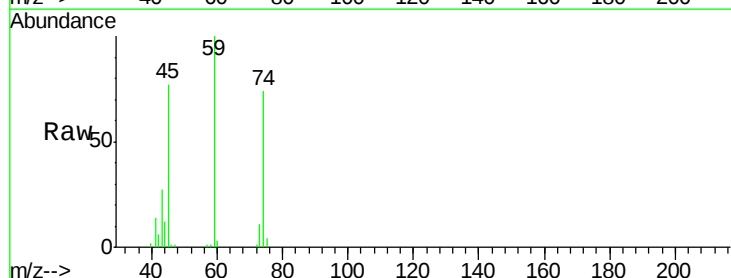
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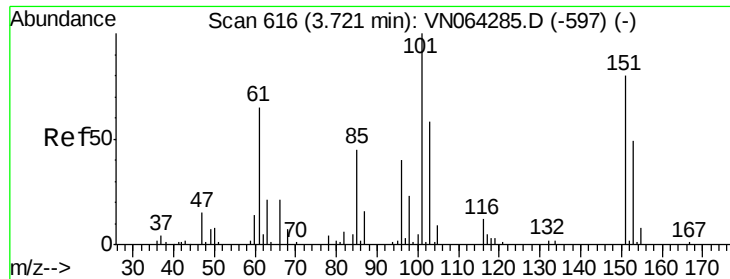


#8

Diethyl Ether
 Concen: 17.984 ug/l
 RT: 3.37 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN064286.D
 Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.3	21.3	191.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.809 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

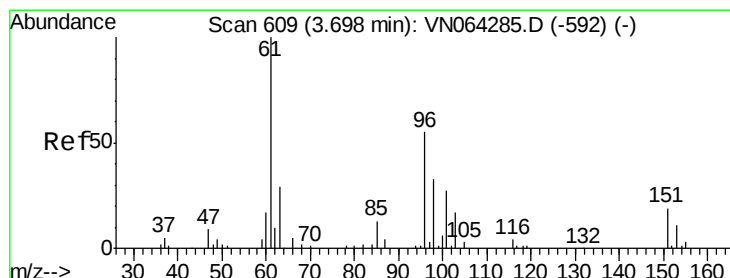
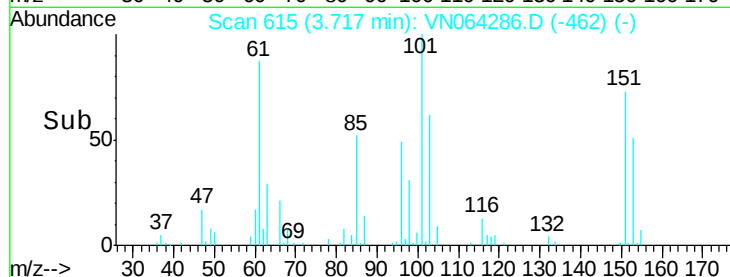
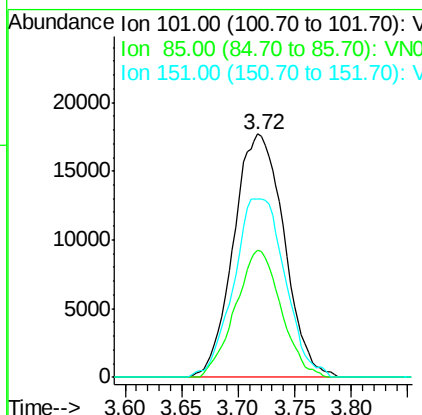
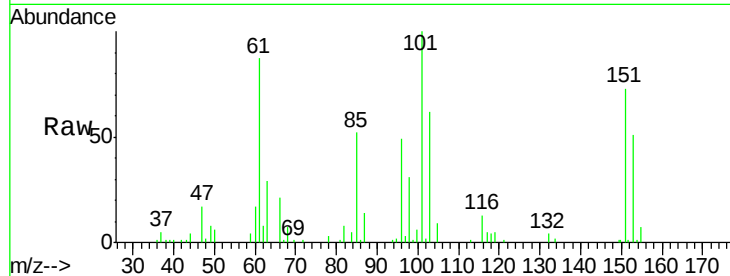
ClientSampleId :

ICVVN102320

Tot Ion:	101	Resp:	54883
Ion Ratio	Lower	Upper	
101	100		
85	47.5	0.0	47.4#
151	37.4	0.0	148.4

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#10

1,1-Dichloroethene

Concen: 18.860 ug/l

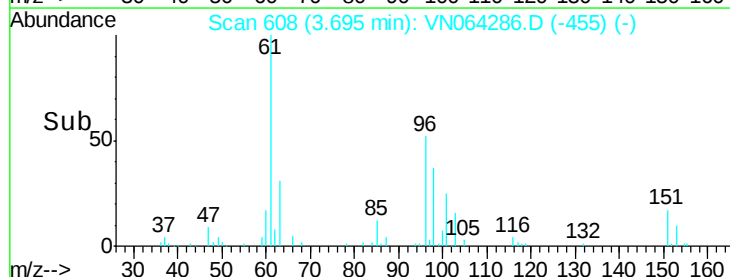
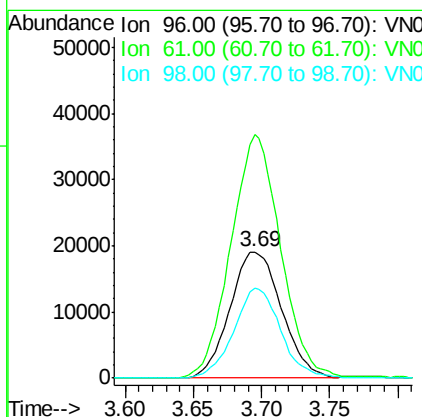
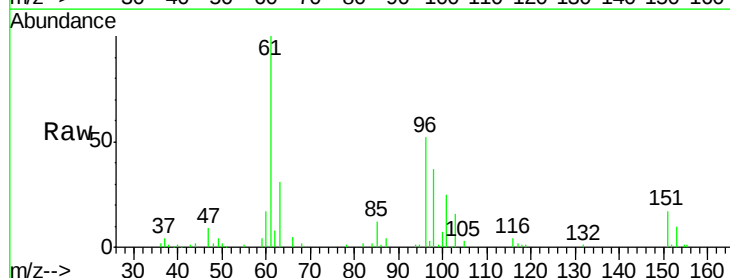
RT: 3.69 min Scan# 608

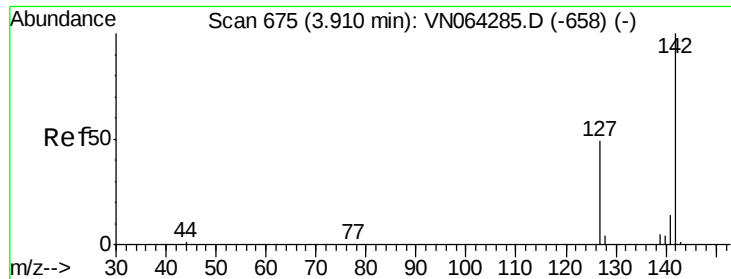
Delta R.T. -0.01 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Tgt Ion:	96	Resp:	50104
Ion Ratio	Lower	Upper	
96	100		
61	191.2	144.2	216.4
98	71.5	47.4	71.0#





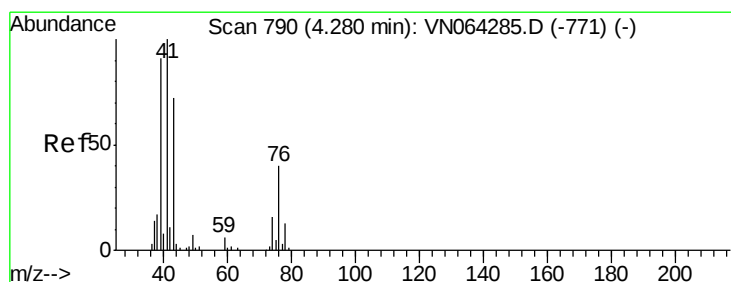
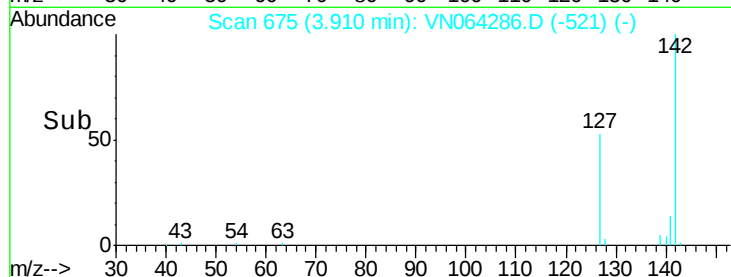
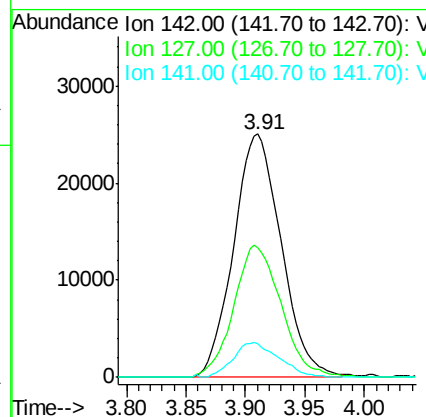
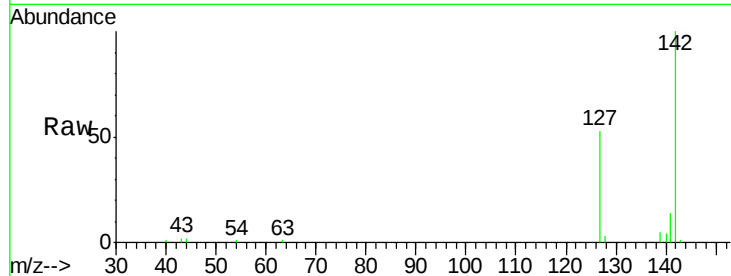
#11
Methvl Iodide
Concen: 18.270 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion	Ratio	Lower	Upper
142	100		
127	53.1	25.9	77.8
141	13.7	7.5	22.6

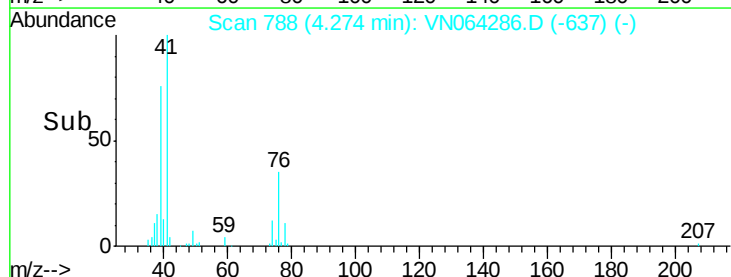
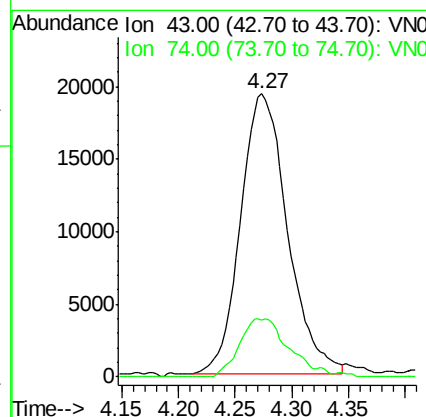
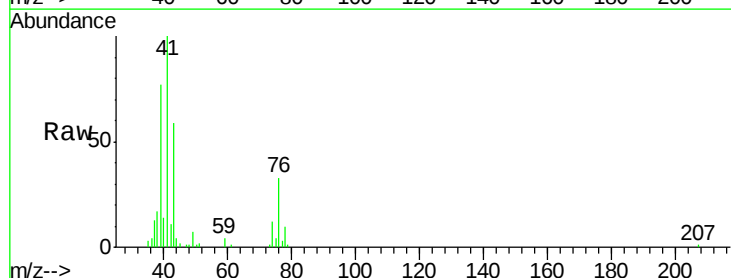
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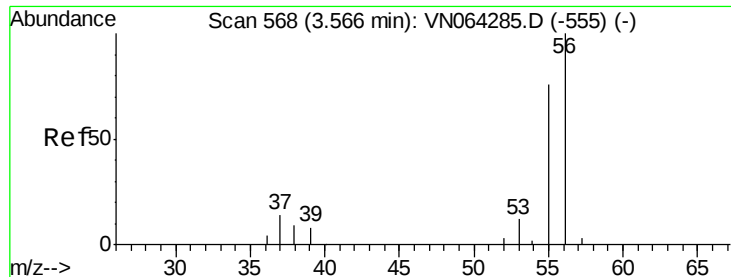
MMDadoda
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#12
Methyl Acetate
Concen: 17.908 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	19.0	28.6





#13

Acrolein

Concen: 81.307 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102320

Tot Ion: 56 Resp: 20727

Ion Ratio Lower Upper

56 100

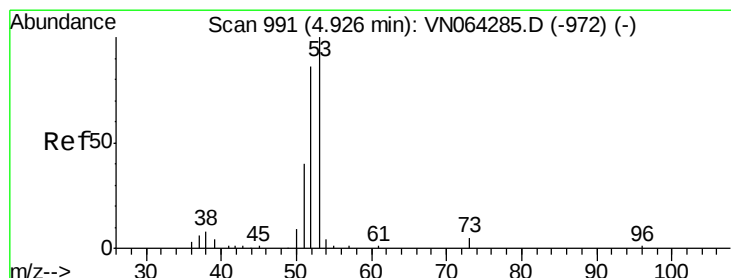
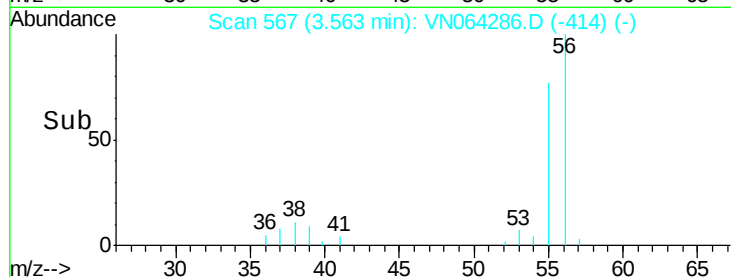
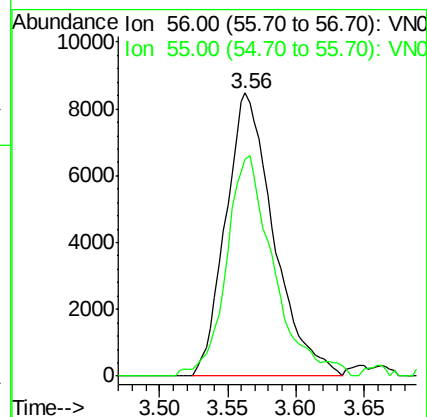
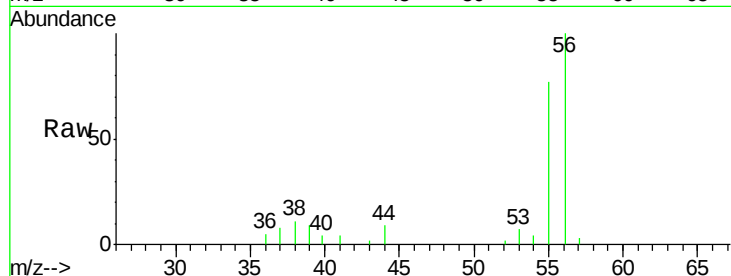
55 70.8 61.0 91.6

Manual Integrations

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#14

Acrylonitrile

Concen: 86.456 ug/l

RT: 4.92 min Scan# 990

Delta R.T. -0.01 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

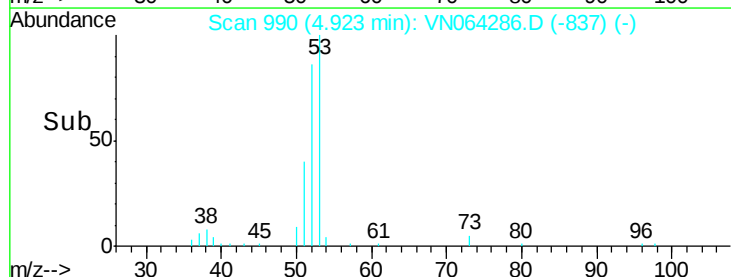
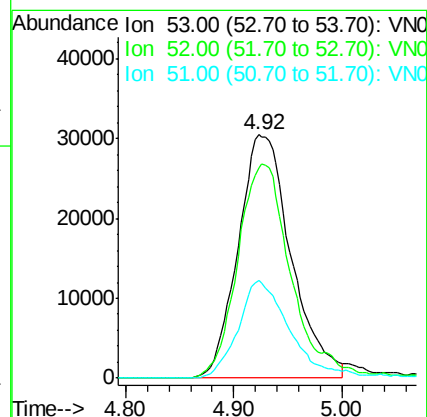
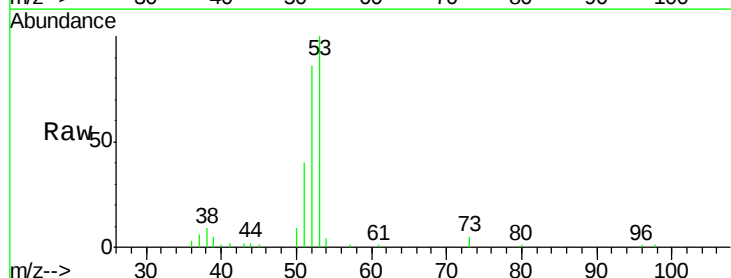
Tgt Ion: 53 Resp: 103947

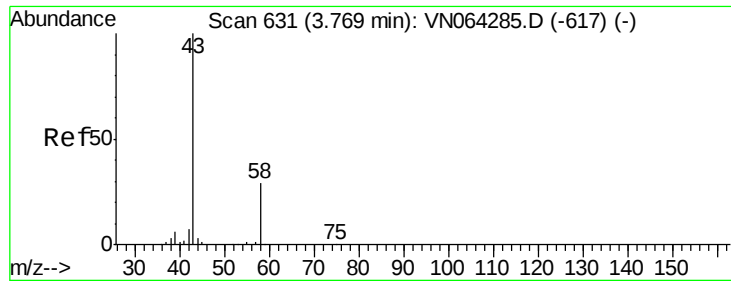
Ion Ratio Lower Upper

53 100

52 84.1 41.7 125.1

51 38.2 18.9 56.7





#15

Acetone

Concen: 96.045 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

ICVFN102320

Tot Ion: 58 Resp: 36964

Ion Ratio Lower Upper

58 100

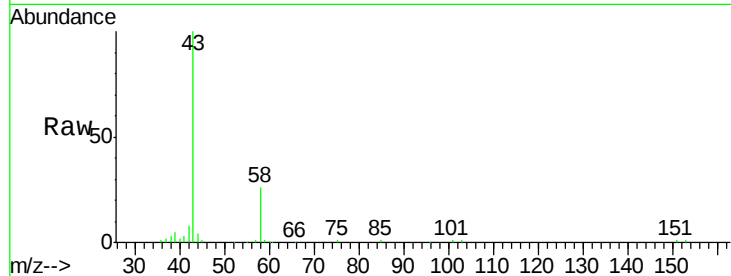
43 378.0 297.4 446.0

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN064286.D (-479) (-)

Ion 43.00 (42.70 to 43.70): VN064286.D (-479) (-)

60000

50000

40000

30000

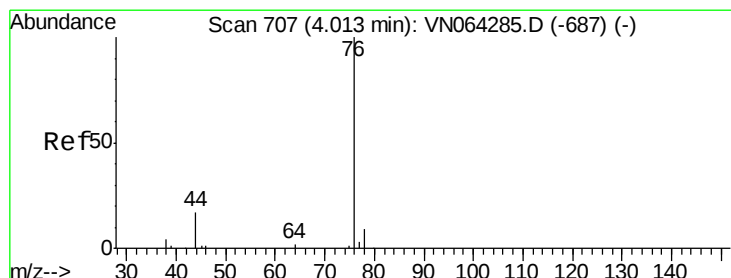
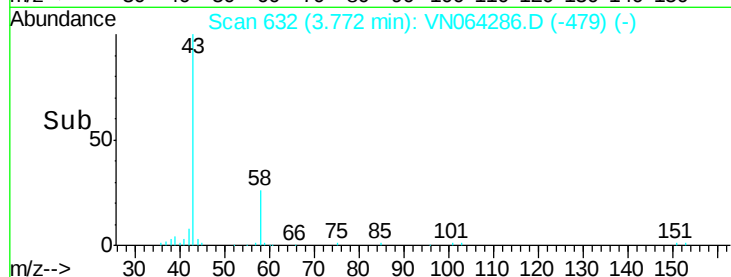
20000

10000

0

3.70 3.75 3.80 3.85 3.90

Time-->



#16

Carbon Disulfide

Concen: 18.866 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064286.D

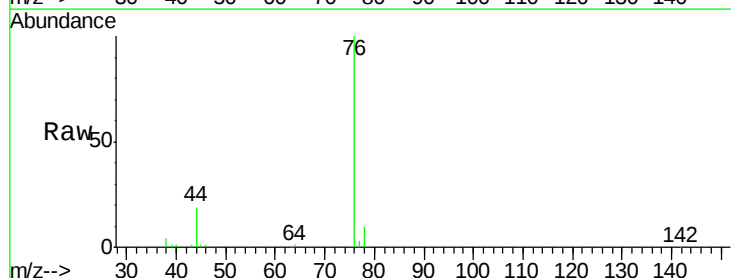
Acq: 23 Oct 2020 14:58

Tgt Ion: 76 Resp: 145214

Ion Ratio Lower Upper

76 100

78 9.8 9.0 13.4



Abundance Ion 76.00 (75.70 to 76.70): VN064286.D (-552) (-)

Ion 78.00 (77.70 to 78.70): VN064286.D (-552) (-)

60000

50000

40000

30000

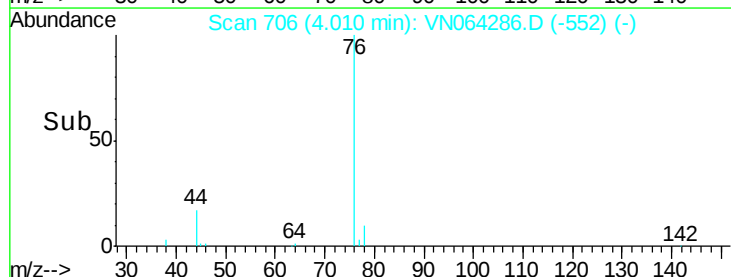
20000

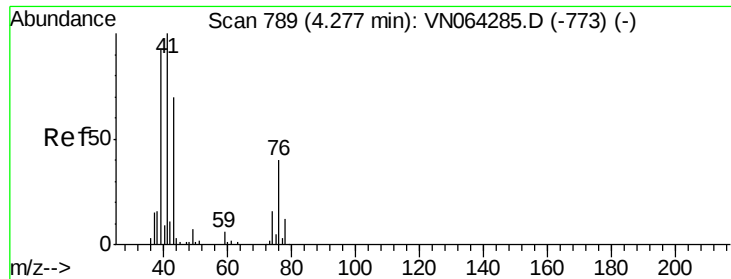
10000

0

3.90 4.00 4.10

Time-->





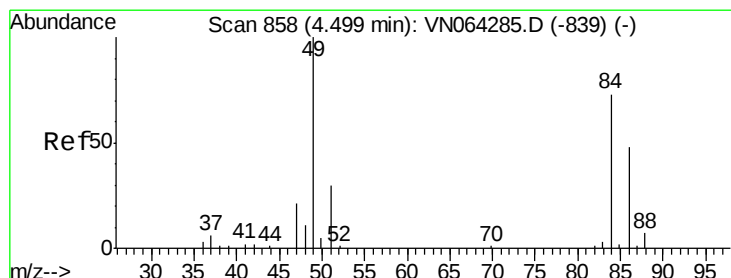
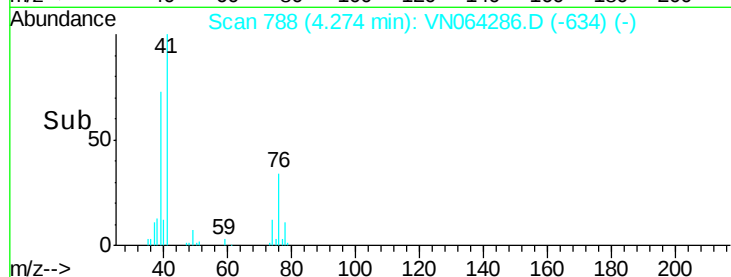
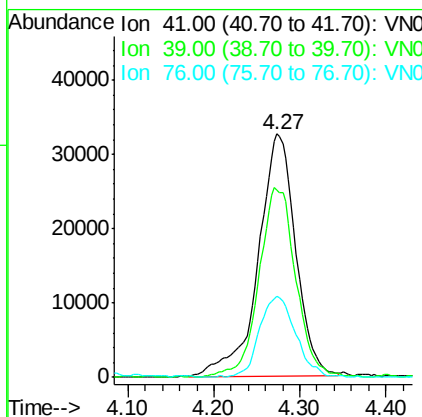
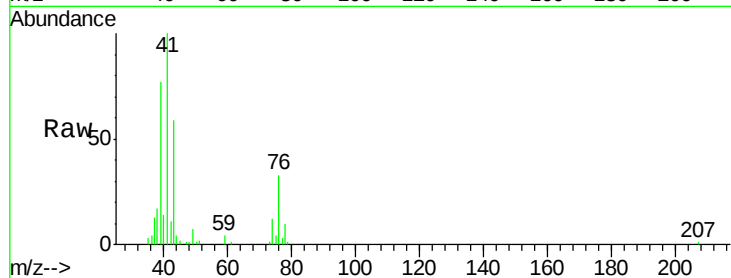
#17
Allvl chloride
Concen: 19.494 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.1	39.9	119.6
76	32.8	21.4	64.2

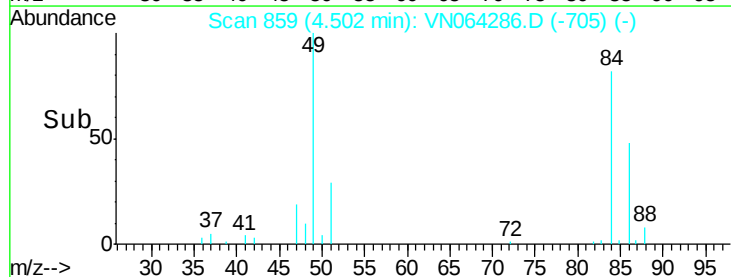
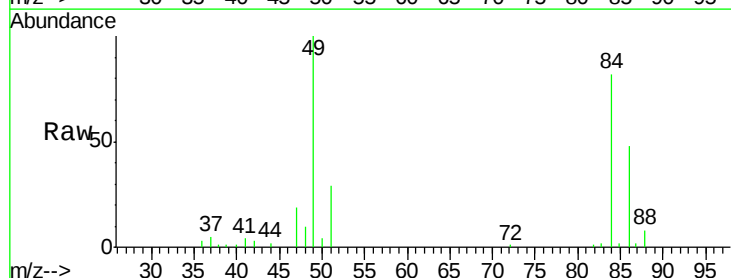
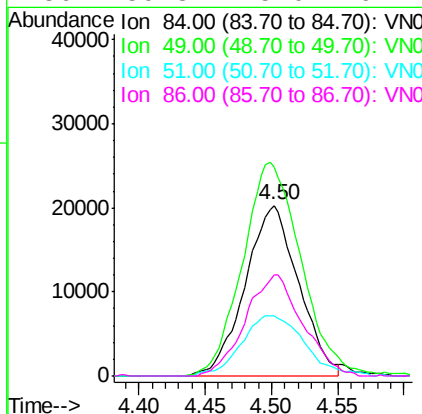
Manual Integrations
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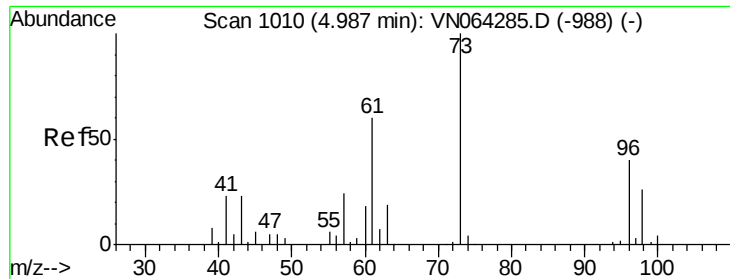
MMDadoda
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#18
Methylene Chloride
Concen: 18.332 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.7	101.1	151.7
51	35.1	33.4	50.0
86	59.3	45.0	67.4





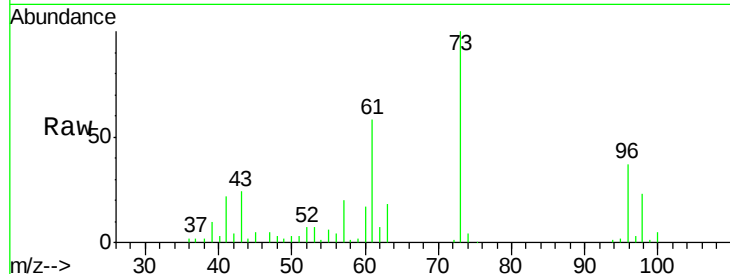
#19
trans-1,2-Dichloroethene
Concen: 18.134 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		54763		
61	154.9	114.2	171.2		
98	60.8	52.8	79.2		

Manual Integrations
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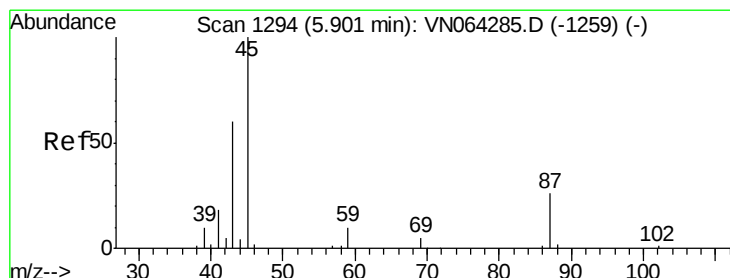
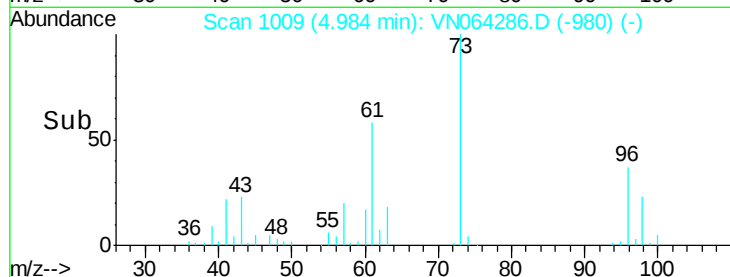
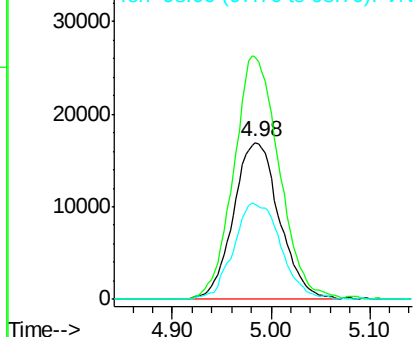
MMDadoda
10/26/2020 1:38:53 PM



Abundance Ion 96.00 (95.70 to 96.70): VN064286.D (-1233) (-)

Ion 61.00 (60.70 to 61.70): VN064286.D (-1233) (-)

Ion 98.00 (97.70 to 98.70): VN064286.D (-1233) (-)



#20
Diisopropyl ether
Concen: 18.459 ug/l
RT: 5.89 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

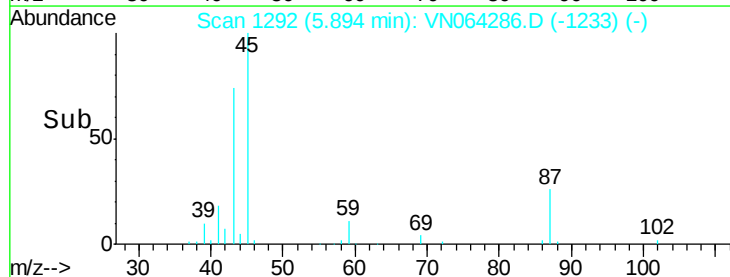
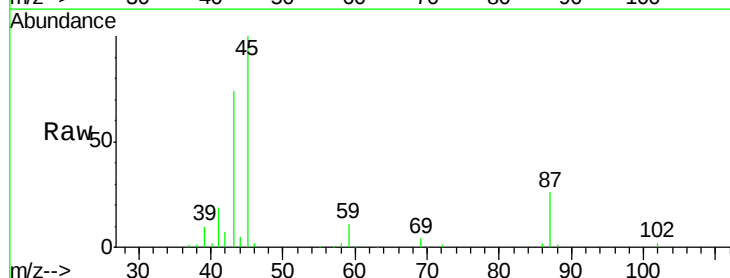
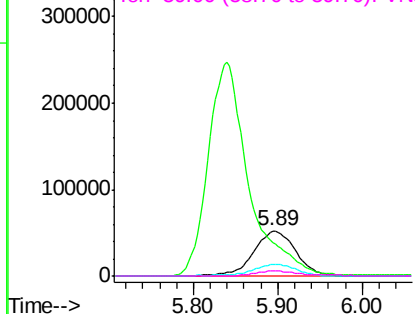
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		179141		
43	70.2	58.9	88.3		
87	26.1	21.0	31.4		
59	10.7	9.1	13.7		

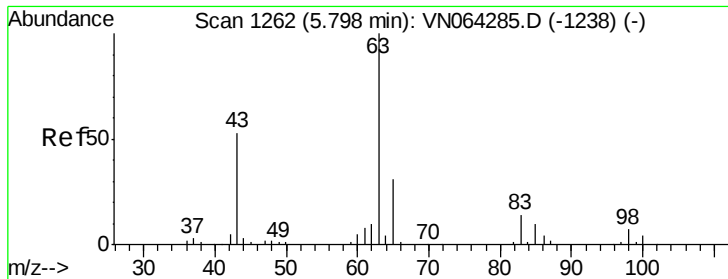
Abundance Ion 45.00 (44.70 to 45.70): VN064286.D (-1233) (-)

Ion 43.00 (42.70 to 43.70): VN064286.D (-1233) (-)

Ion 87.00 (86.70 to 87.70): VN064286.D (-1233) (-)

Ion 59.00 (58.70 to 59.70): VN064286.D (-1233) (-)





#21

1,1-Dichloroethane

Concen: 18.854 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

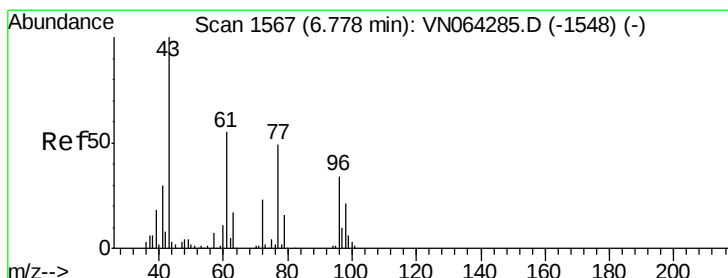
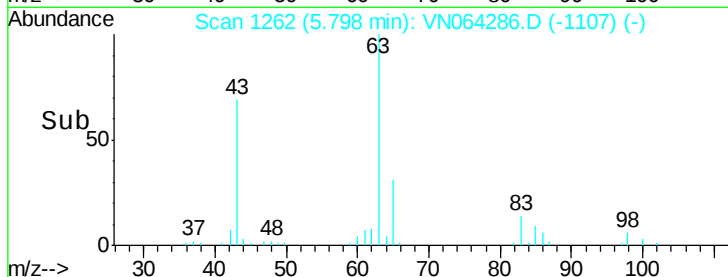
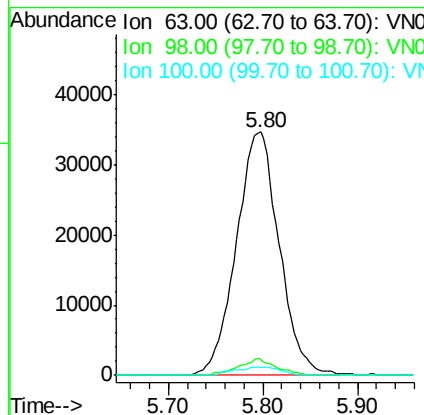
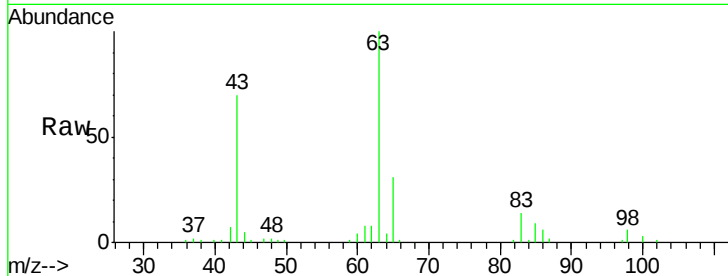
ClientSampleId :

ICVVN102320

Tot Ion:	63	Resp:	109127
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.5	10.6
100	3.4	1.6	4.7

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 18.592 ug/l

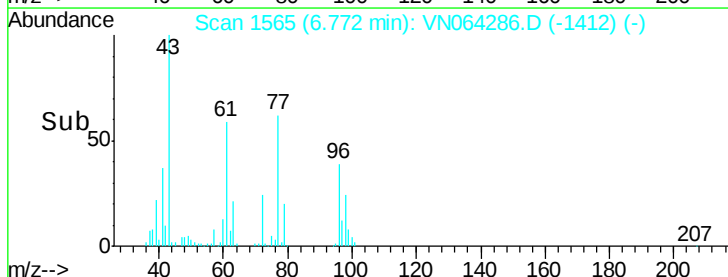
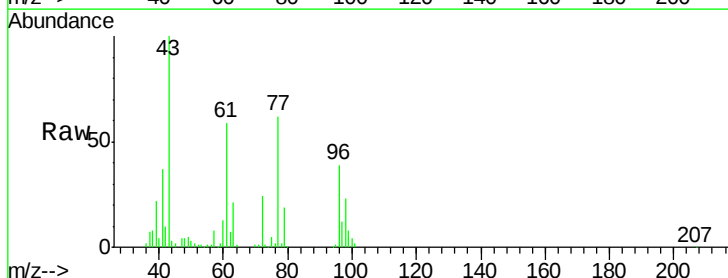
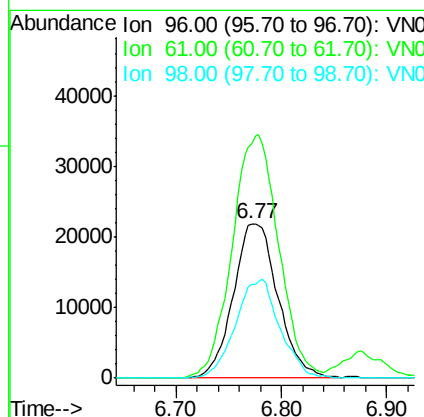
RT: 6.77 min Scan# 1565

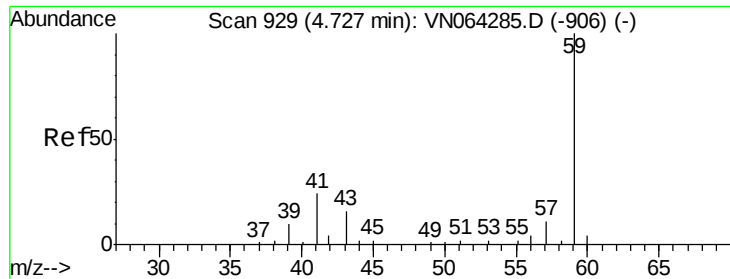
Delta R.T. -0.01 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Tgt Ion:	96	Resp:	64410
Ion Ratio	Lower	Upper	
96	100		
61	163.5	132.2	198.2
98	63.0	26.5	39.7#





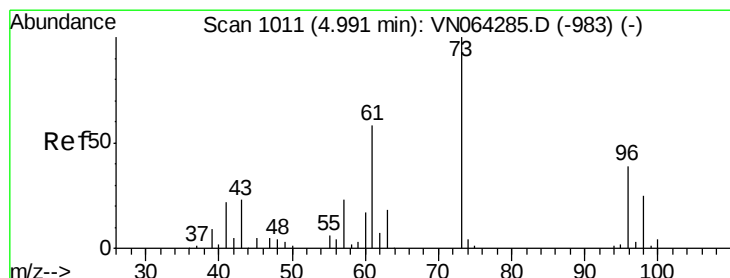
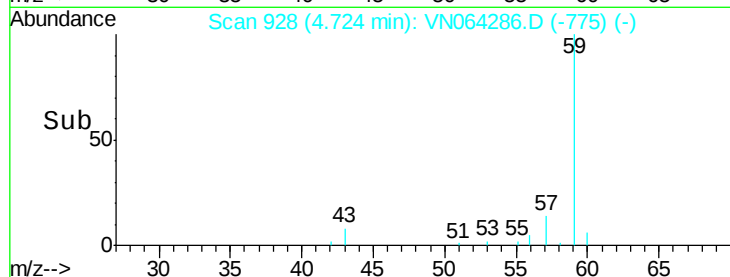
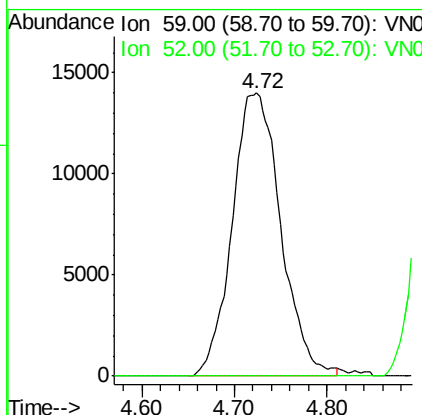
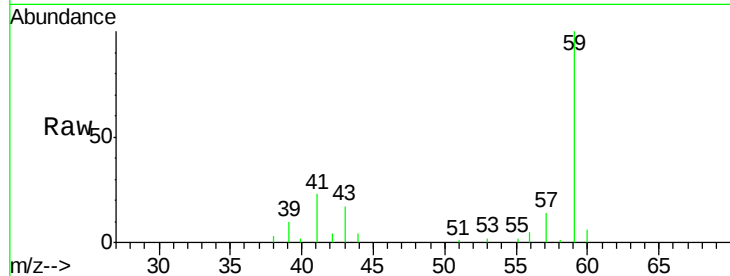
#23
tert-Butyl Alcohol
Concen: 91.783 ug/l m
RT: 4.72 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion: 59 Resp: 51168
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2#

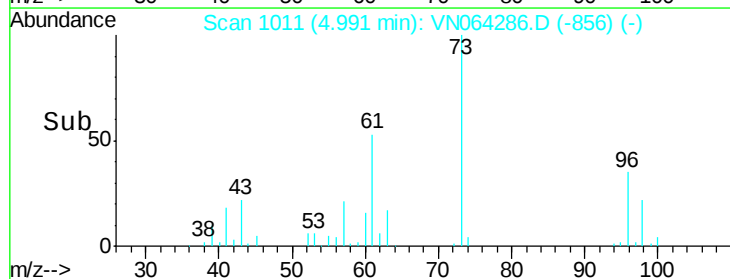
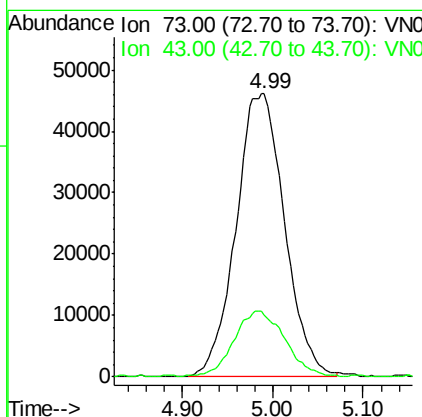
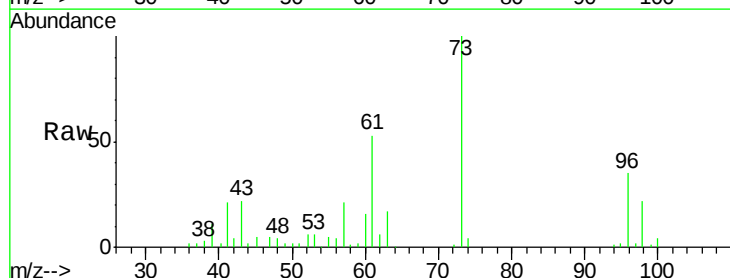
Manual Integrations
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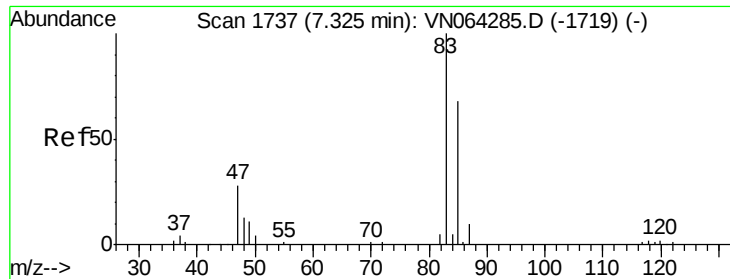
MMDadoda
10/26/2020 1:38:53 PM



#24
Methyl tert-Butyl Ether
Concen: 18.659 ug/l m
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion: 73 Resp: 172169
Ion Ratio Lower Upper
73 100
43 24.4 19.7 29.5





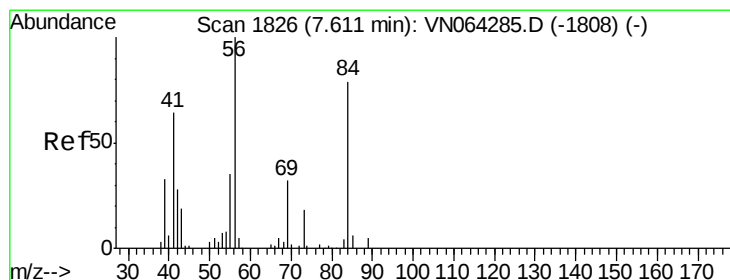
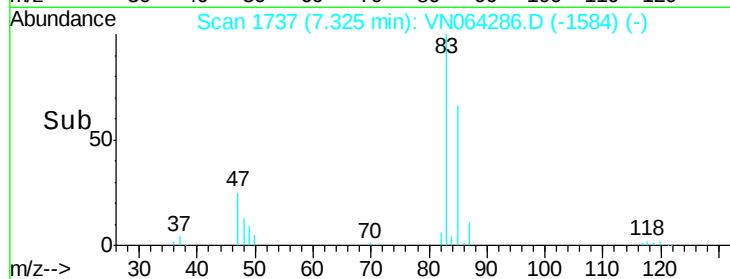
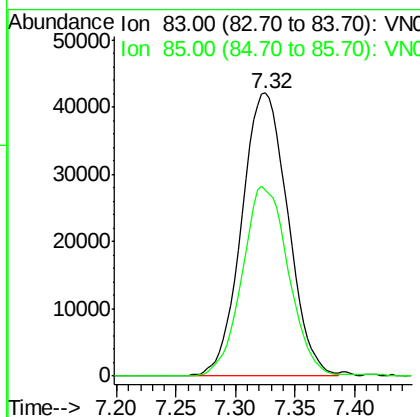
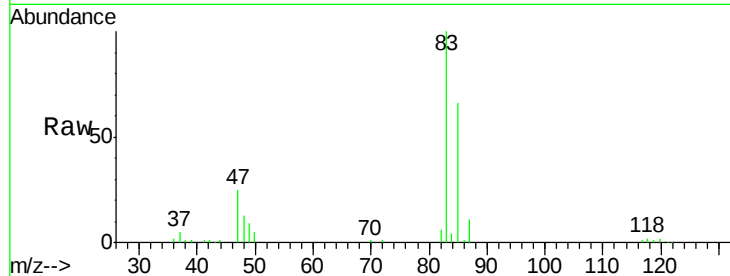
#25
Chloroform
Concen: 18.122 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion	83	Resp	113522
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	50.3	75.5

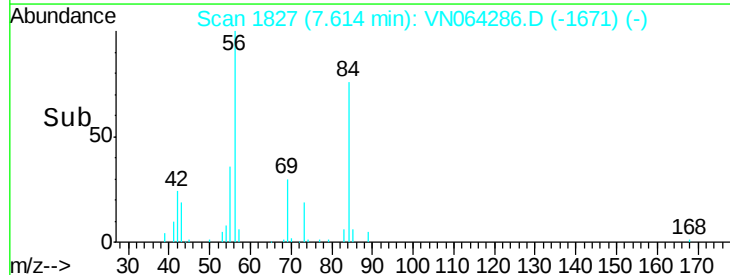
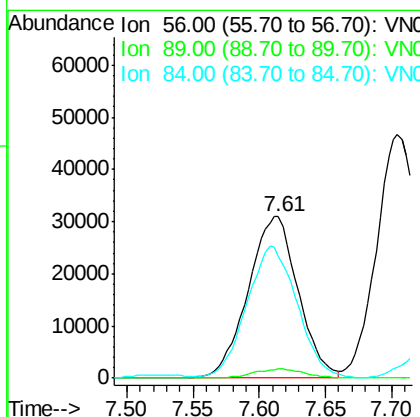
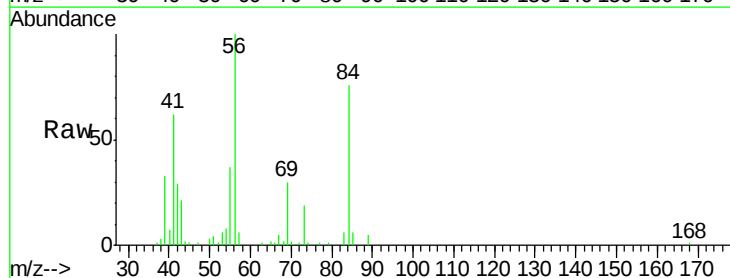
Manual Integrations
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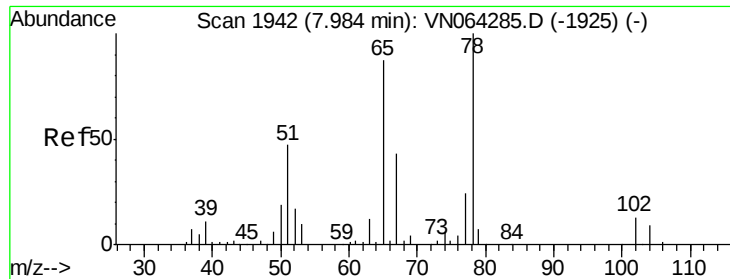
MMDadoda
10/26/2020 1:38:53 PM



#26
Cyclohexane
Concen: 18.165 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion	56	Resp	81535
Ion Ratio	100	Lower	Upper
56	100		
89	5.5	3.4	5.2#
84	82.6	66.2	99.2





#27

1,2-Dichloroethane-d4

Concen: 31.223 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102320

Tot Ion: 65 Resp: 129749

Ion Ratio Lower Upper

65 100

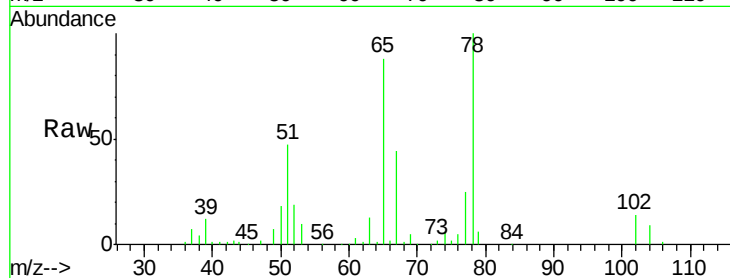
67 49.7 38.4 57.6

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VN064285.D (-1925) (-)

Ion 67.00 (66.70 to 67.70): VN064285.D (-1925) (-)

7.98

60000

50000

40000

30000

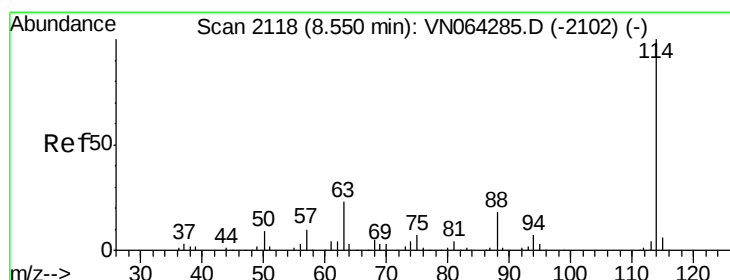
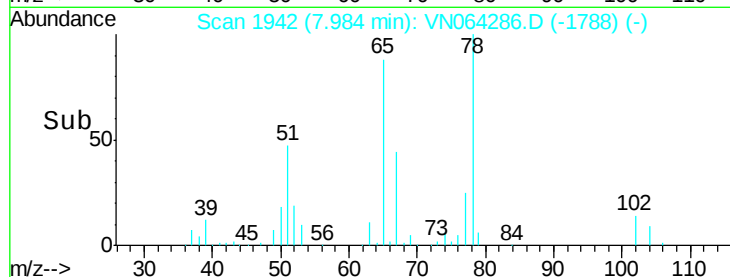
20000

10000

0

7.90 7.95 8.00 8.05

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

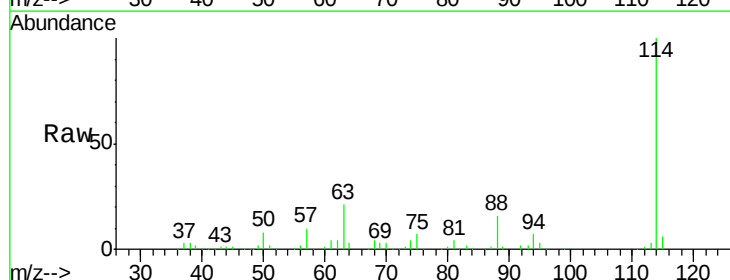
Tgt Ion: 114 Resp: 278070

Ion Ratio Lower Upper

114 100

63 22.0 17.8 26.8

88 16.8 13.8 20.8



Abundance Ion 114.00 (113.70 to 114.70): VN064285.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN064285.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN064285.D (-2102) (-)

8.55

150000

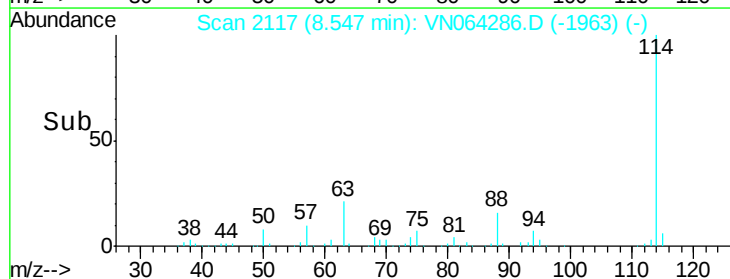
100000

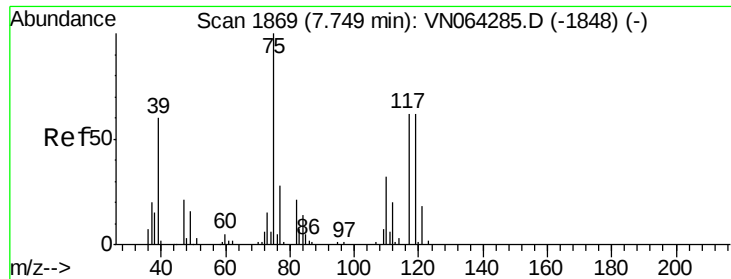
50000

0

8.45 8.50 8.55 8.60

Time-->





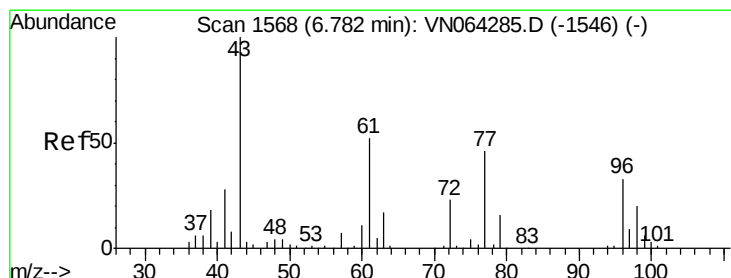
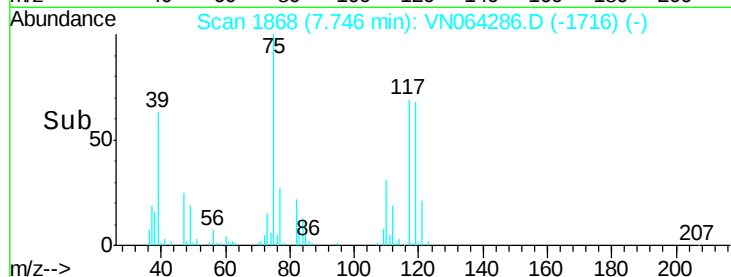
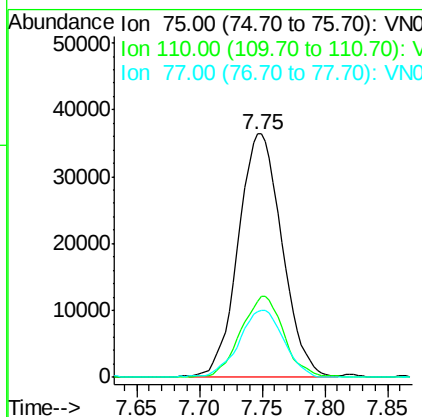
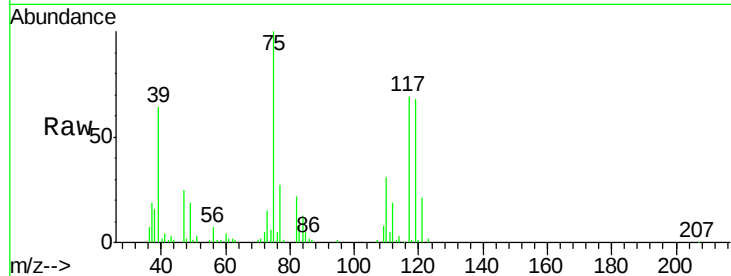
#29
 1,1-Dichloropropene
 Concen: 18.413 ug/l
 RT: 7.75 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN064286.D
 Acq: 23 Oct 2020 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102320

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.4	0.0	66.2
77	28.0	0.0	64.4

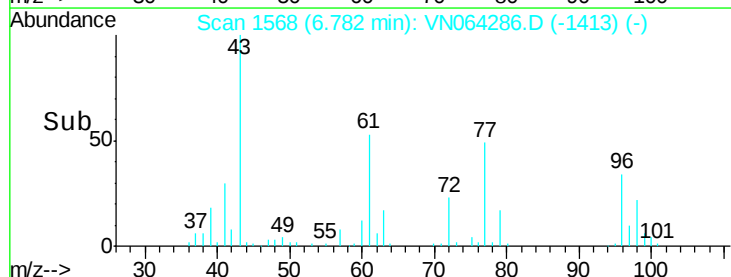
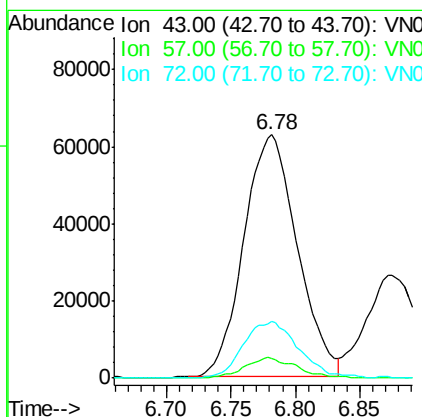
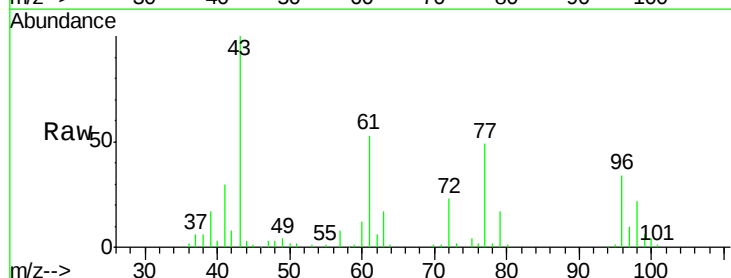
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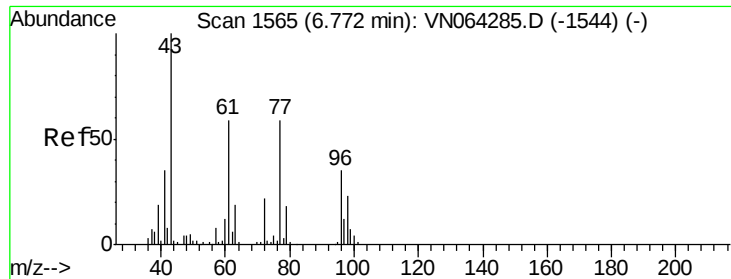
MMDadoda
 10/26/2020 1:38:53 PM



#30
 2-Butanone
 Concen: 85.711 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN064286.D
 Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.4	9.6
72	24.3	19.4	29.0





#31

2,2-Dichloropropane

Concen: 18.438 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102320

Tot Ion: 77 Resp: 110931

Ion Ratio Lower Upper

77 100

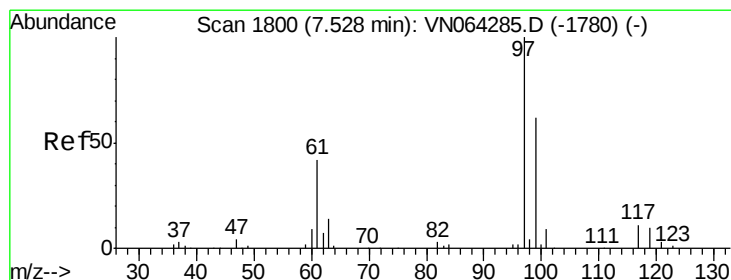
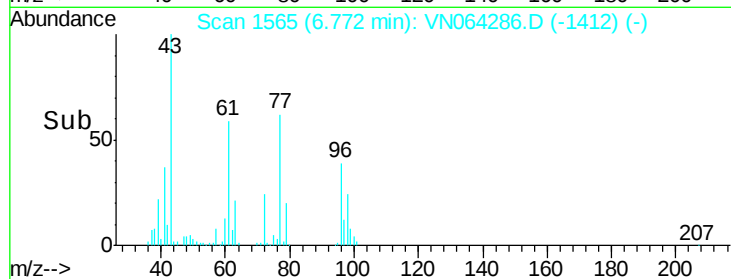
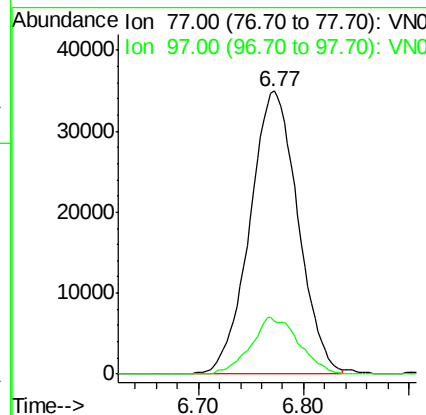
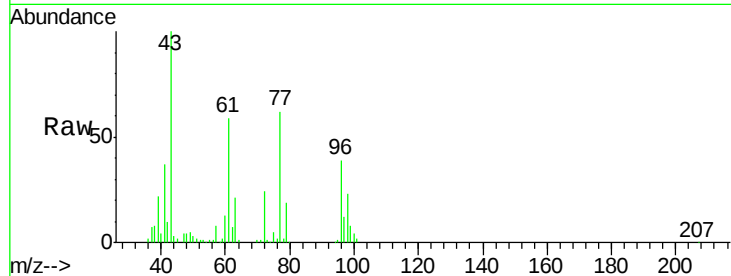
97 11.3 15.1 22.7#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 18.036 ug/l

RT: 7.52 min Scan# 1798

Delta R.T. -0.01 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

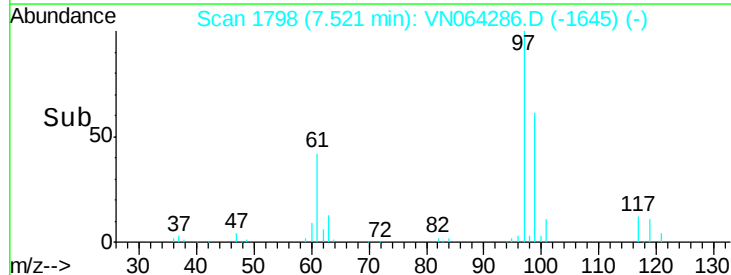
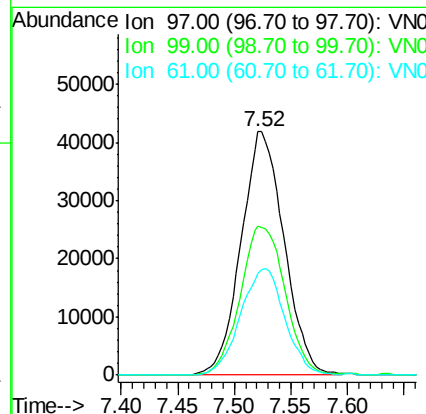
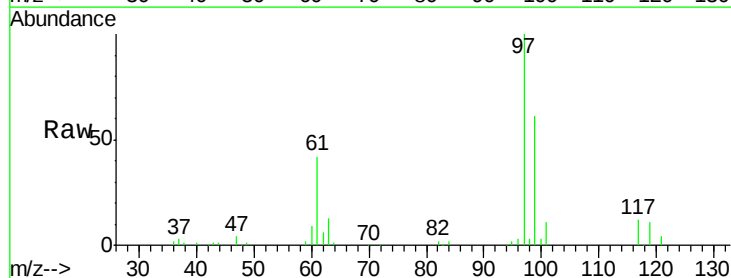
Tgt Ion: 97 Resp: 110780

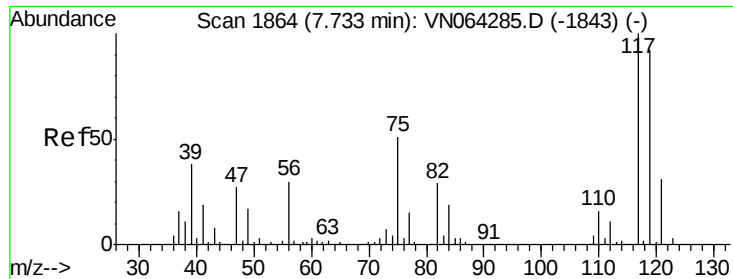
Ion Ratio Lower Upper

97 100

99 63.8 54.4 81.6

61 45.1 37.5 56.3





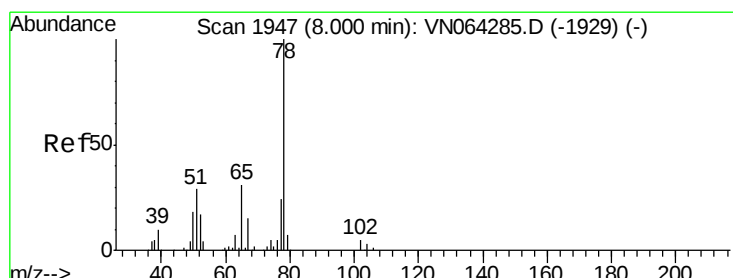
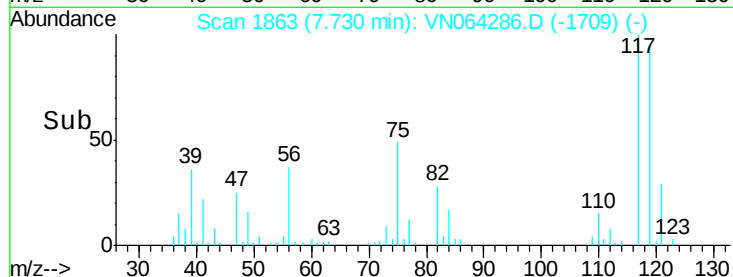
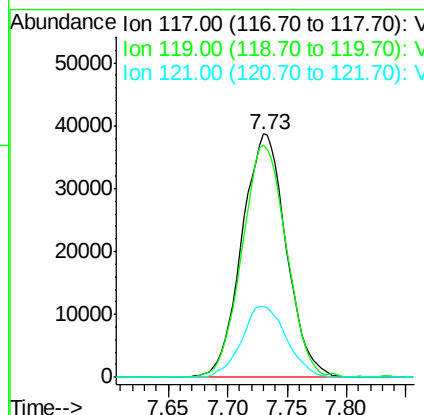
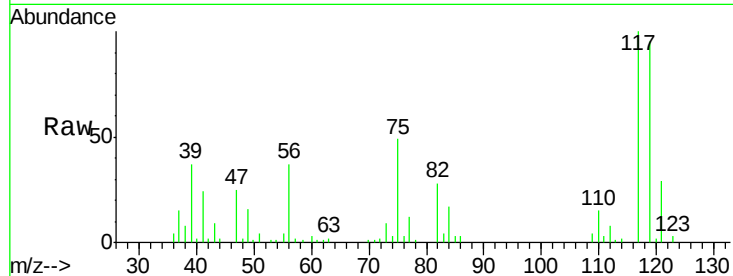
#33
Carbon Tetrachloride
Concen: 18.130 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.5	80.1	120.1
121	29.0	26.2	39.2

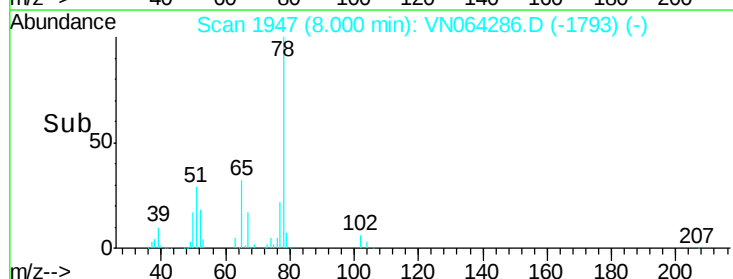
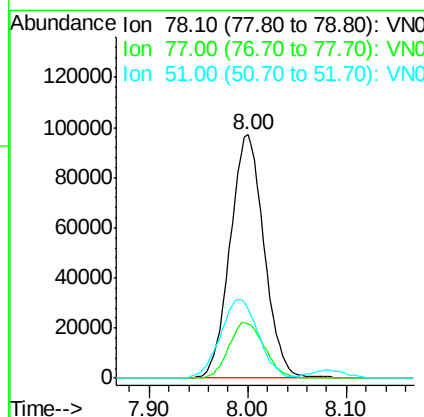
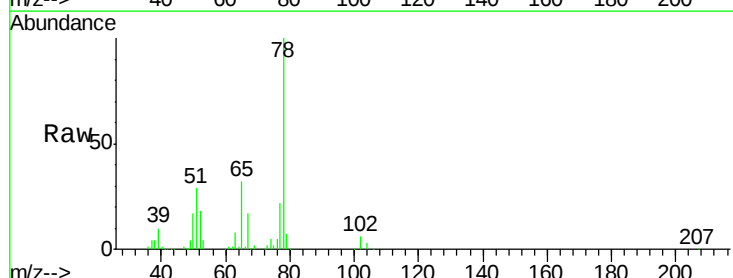
Manual Integrations
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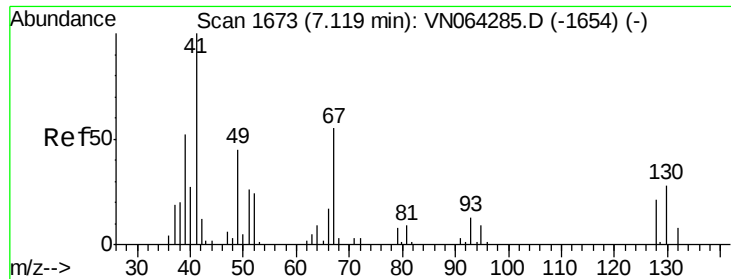
MMDadoda
10/26/2020 1:38:53 PM



#34
Benzene
Concen: 17.728 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.2	28.8
51	28.0	25.2	37.8





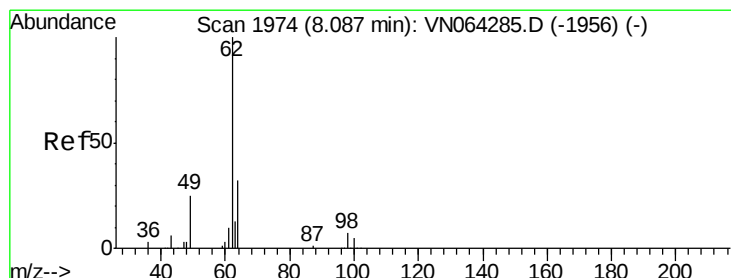
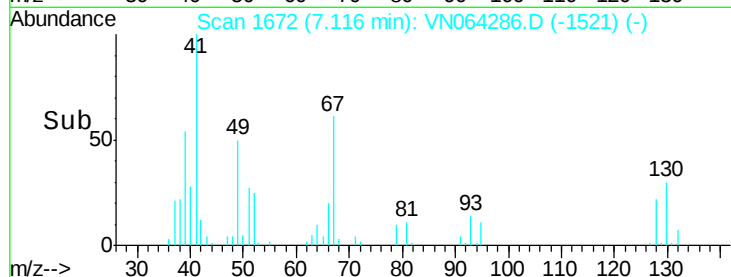
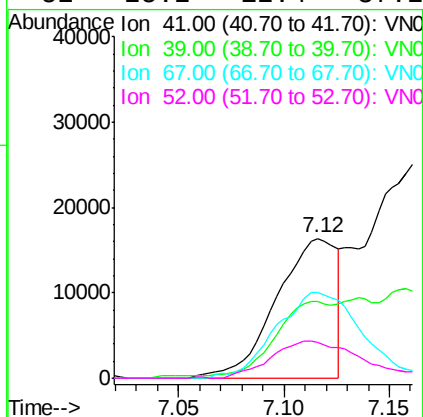
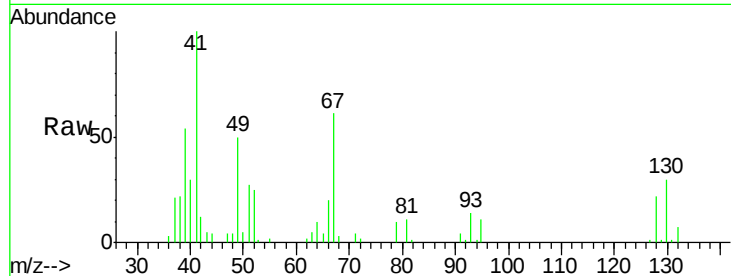
#35
Methacrylonitrile
Concen: 15.355 ug/l
RT: 7.12 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.8	28.0	83.9
67	61.4	29.9	89.8
52	25.2	12.4	37.2

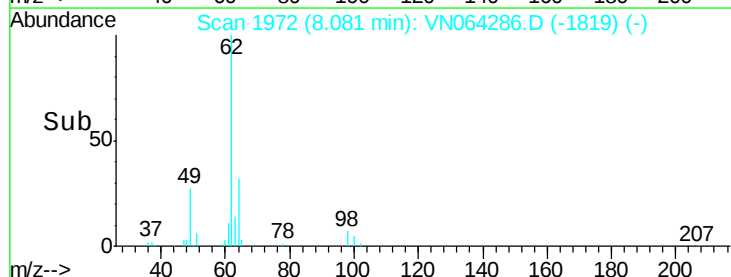
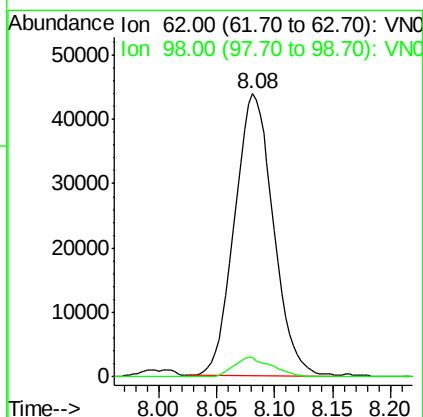
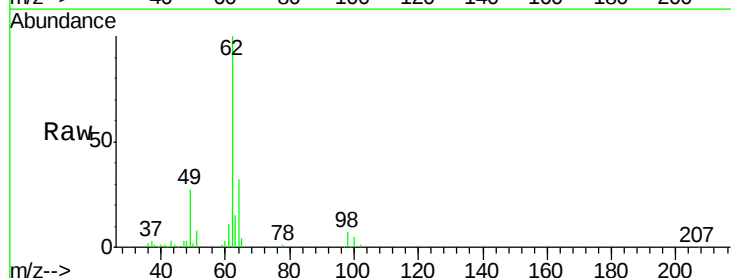
Manual Integrations
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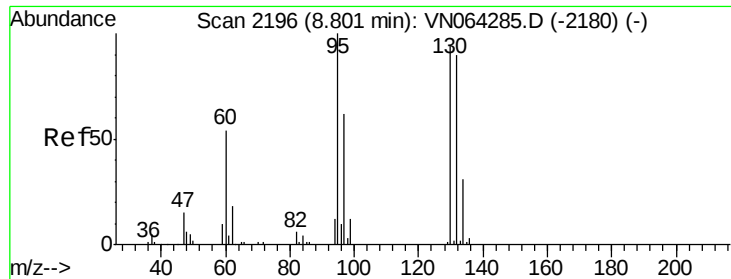
MMDadoda
10/26/2020 1:38:53 PM



#36
1,2-Dichloroethane
Concen: 18.240 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.8	5.4	8.0





#37

Trichloroethene

Concen: 17.885 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102320

Tot Ion:130 Resp: 64659

Ion Ratio Lower Upper

130 100

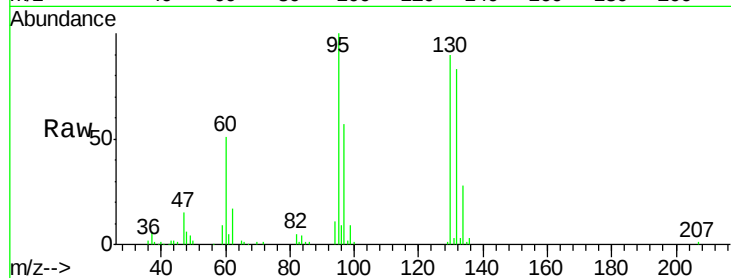
95 111.5 81.2 121.8

Manual Integrations

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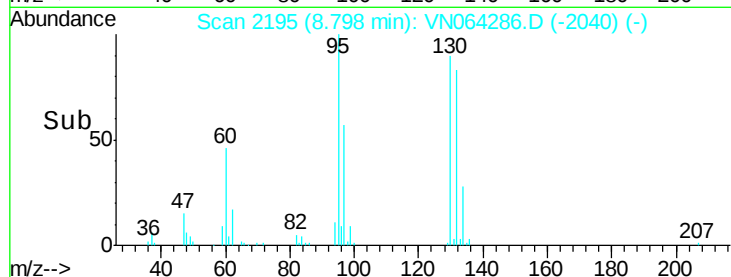


Abundance Ion 129.90 (129.60 to 130.60): VN064285.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064285.D (-2180) (-)

8.80

Time-->



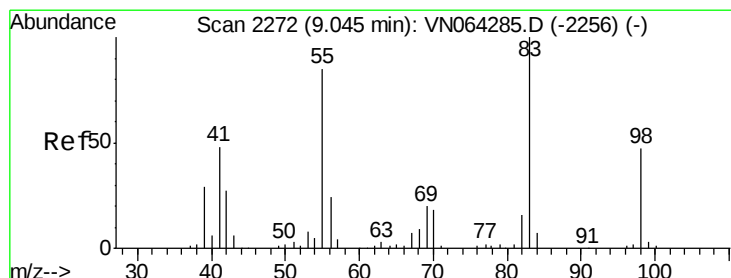
Abundance

Ion 129.90 (129.60 to 130.60): VN064285.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064285.D (-2180) (-)

8.80

Time-->



#38

Methylcyclohexane

Concen: 18.206 ug/l

RT: 9.04 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

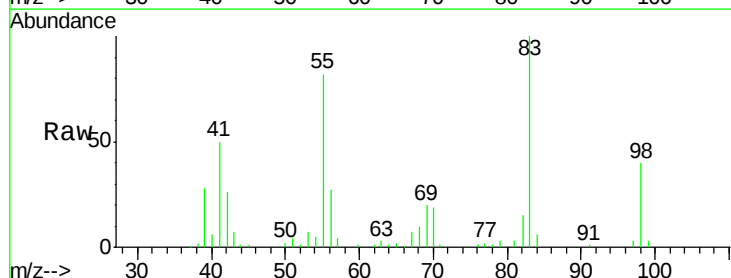
Tgt Ion: 83 Resp: 79898

Ion Ratio Lower Upper

83 100

55 81.7 40.3 120.9

98 43.8 25.3 75.8



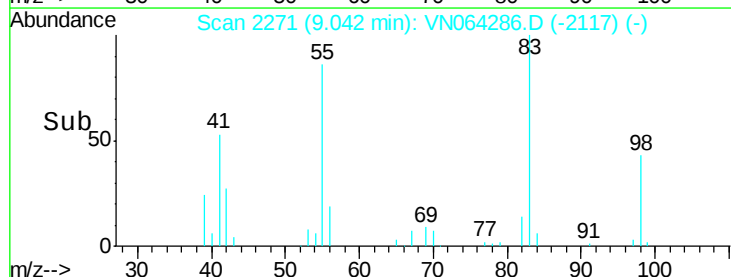
Abundance Ion 83.00 (82.70 to 83.70): VN064285.D (-2256) (-)

Ion 55.00 (54.70 to 55.70): VN064285.D (-2256) (-)

Ion 98.00 (97.70 to 98.70): VN064285.D (-2256) (-)

9.04

Time-->



Abundance

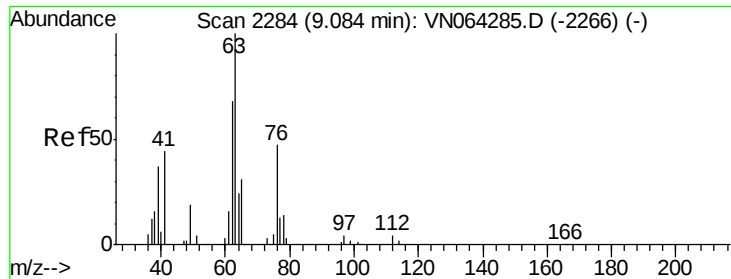
Ion 83.00 (82.70 to 83.70): VN064285.D (-2256) (-)

Ion 55.00 (54.70 to 55.70): VN064285.D (-2256) (-)

Ion 98.00 (97.70 to 98.70): VN064285.D (-2256) (-)

9.04

Time-->



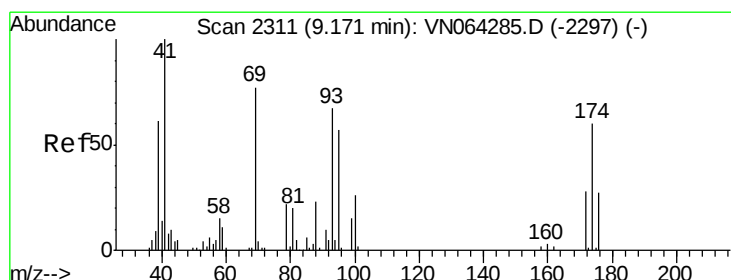
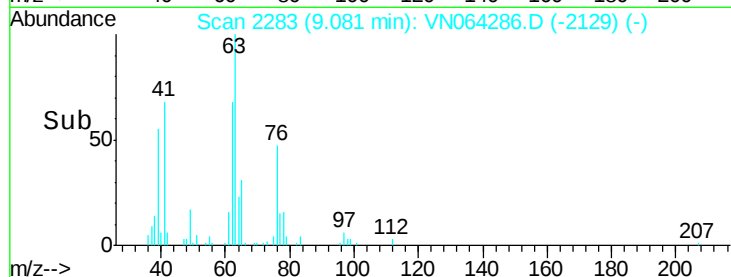
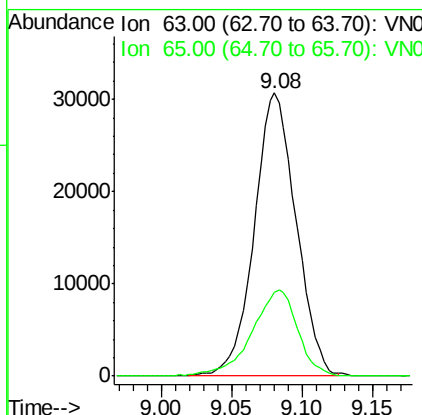
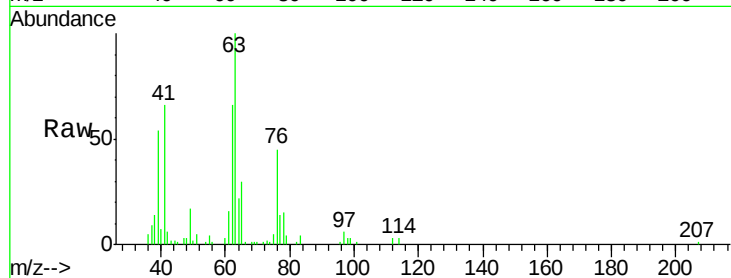
#39
 1,2-Dichloropropane
 Concen: 18.068 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064286.D
 Acq: 23 Oct 2020 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102320

Tot Ion: 63 Resp: 63454
 Ion Ratio Lower Upper
 63 100
 65 29.7 26.1 39.1

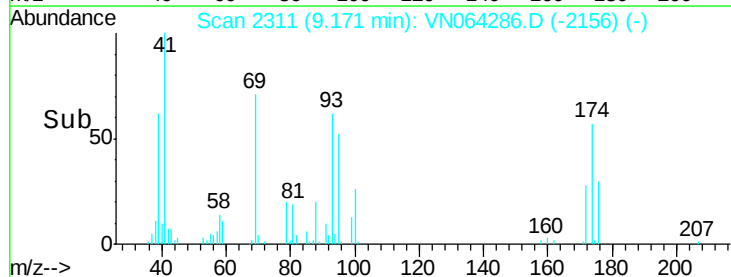
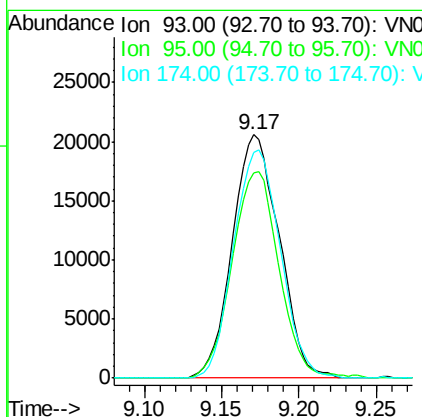
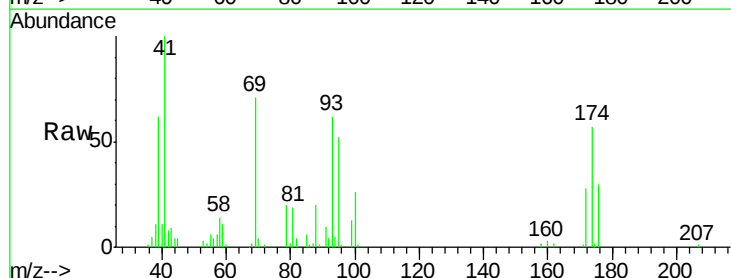
Manual Integrations
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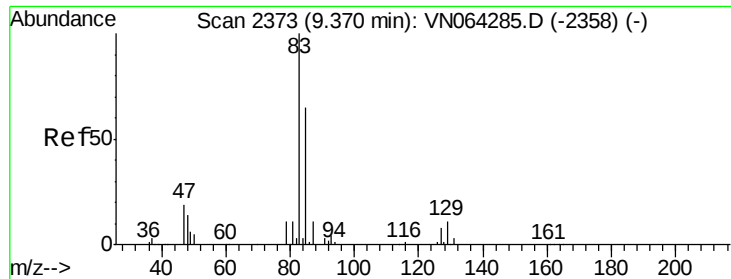
MMDadoda
 10/26/2020 1:38:53 PM



#40
 Dibromomethane
 Concen: 17.630 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064286.D
 Acq: 23 Oct 2020 14:58

Tgt Ion: 93 Resp: 43318
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 156.6
 174 93.8 0.0 168.8





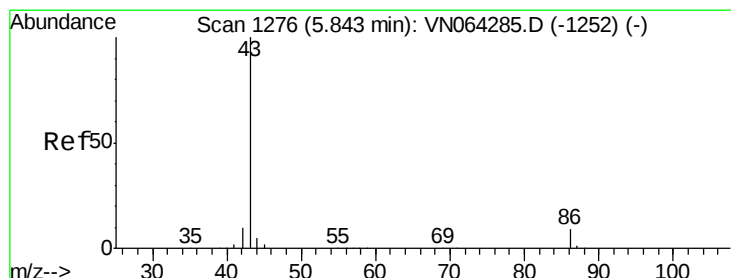
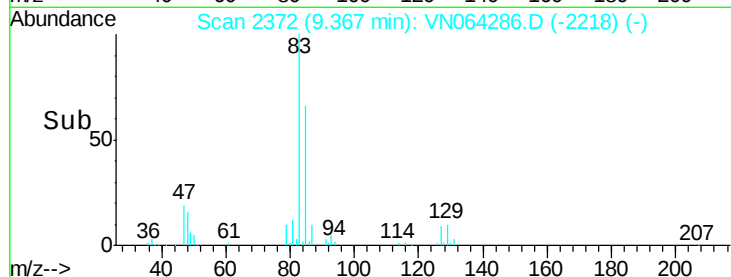
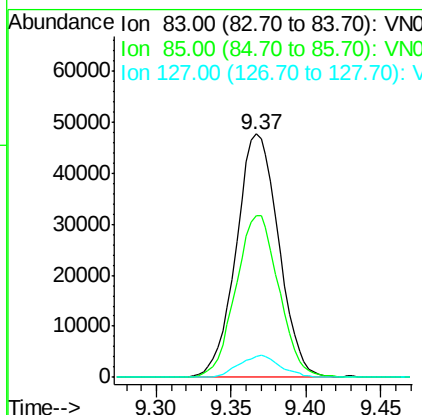
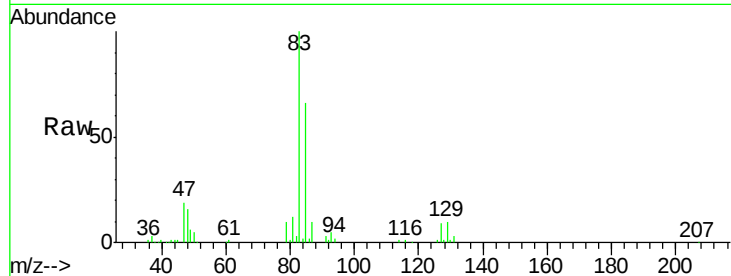
#41
Bromodichloromethane
Concen: 17.714 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion	83	Resp	94387
Ion Ratio	100	Lower	Upper
83	100		
85	66.2	57.8	86.6
127	8.7	7.0	10.4

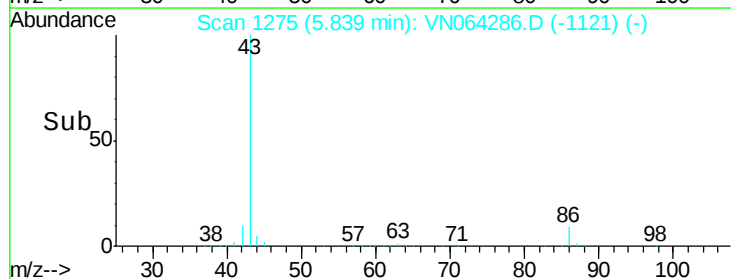
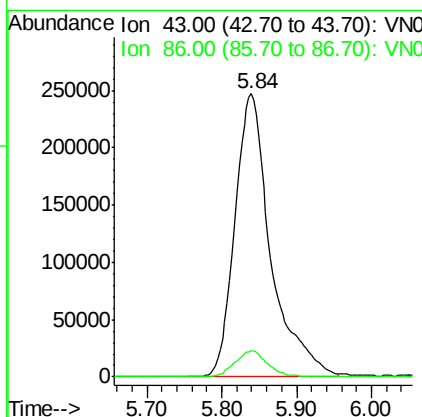
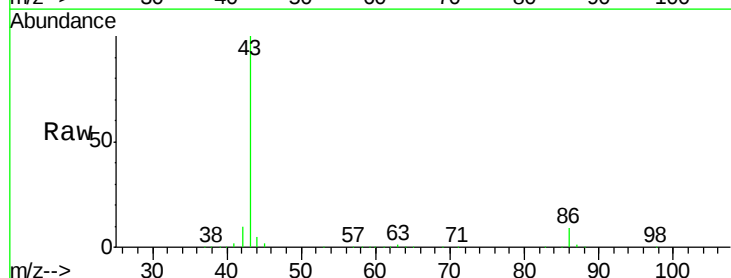
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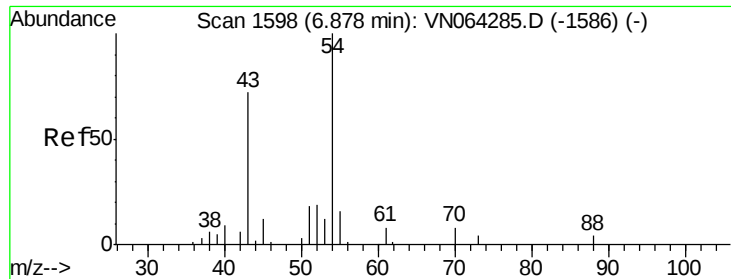
MMDadoda
10/26/2020 1:38:53 PM



#42
Vinyl Acetate
Concen: 88.548 ug/l
RT: 5.84 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion	43	Resp	824522
Ion Ratio	100	Lower	Upper
43	100		
86	8.3	6.6	9.8





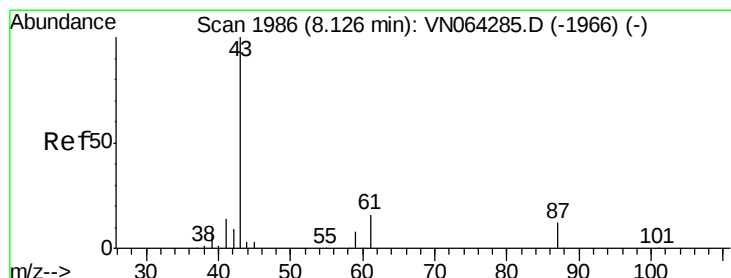
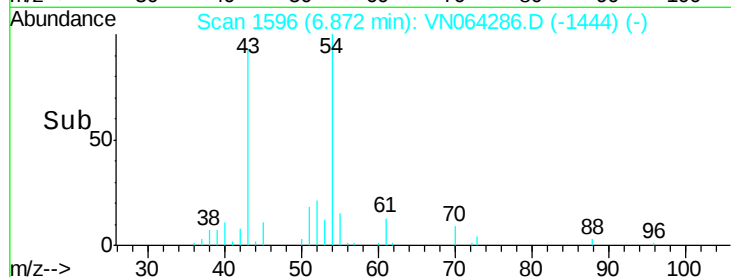
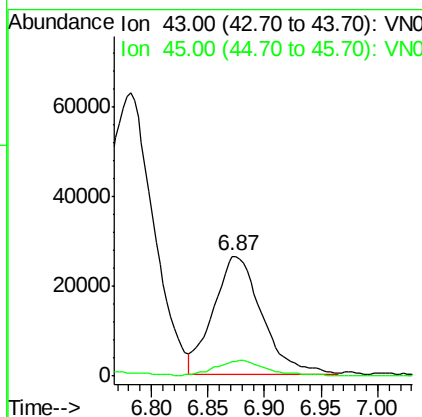
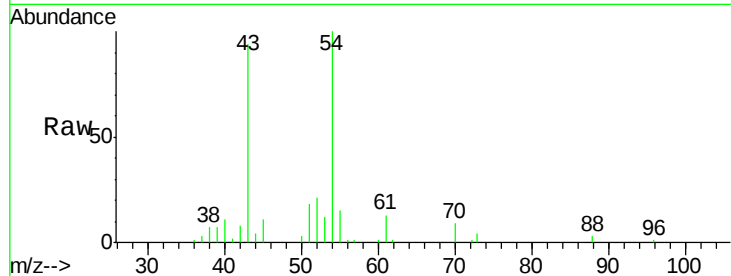
#43
Ethyl Acetate
Concen: 17.622 ug/l
RT: 6.87 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion: 43 Resp: 78759
Ion Ratio Lower Upper
43 100
45 13.3 8.2 12.4#

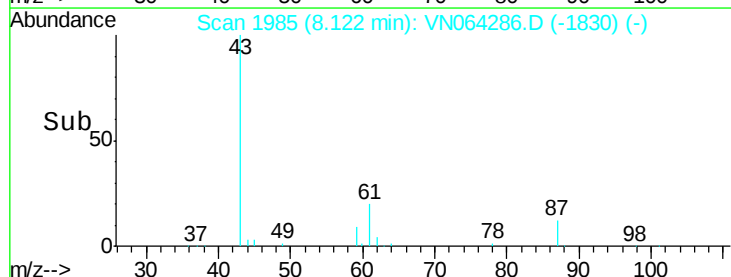
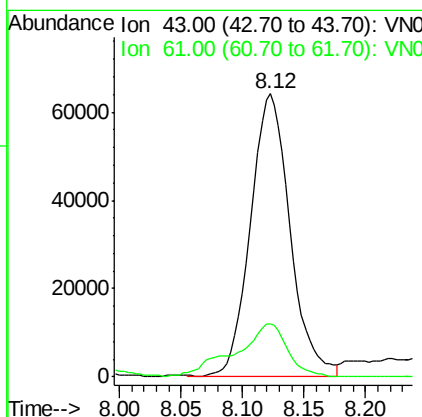
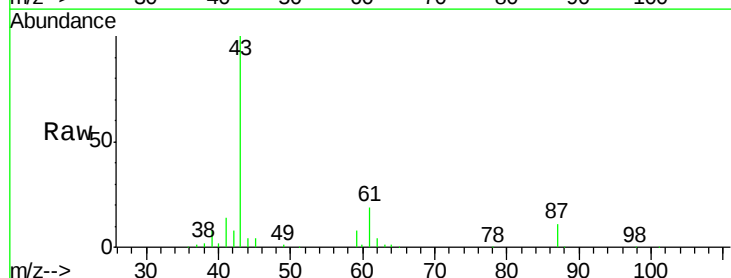
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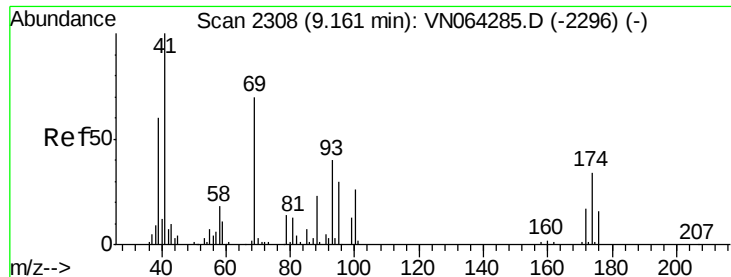
MMDadoda
10/26/2020 1:38:53 PM



#44
Isopropyl Acetate
Concen: 17.982 ug/l m
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion: 43 Resp: 144144
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#





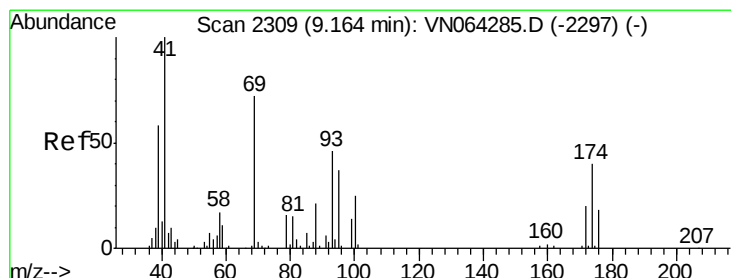
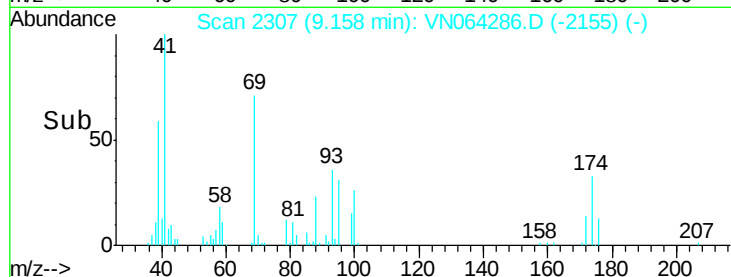
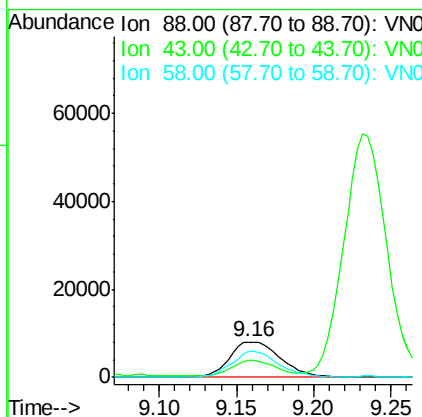
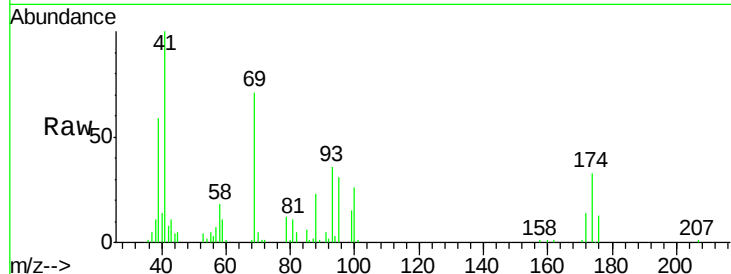
#45
1,4-Dioxane
Concen: 373.988 ug/l
RT: 9.16 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	34.7	52.1
58	67.8	65.8	98.6

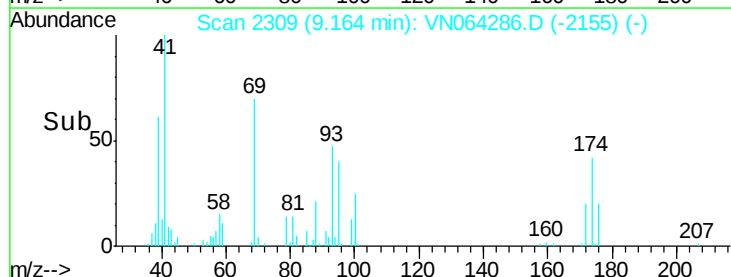
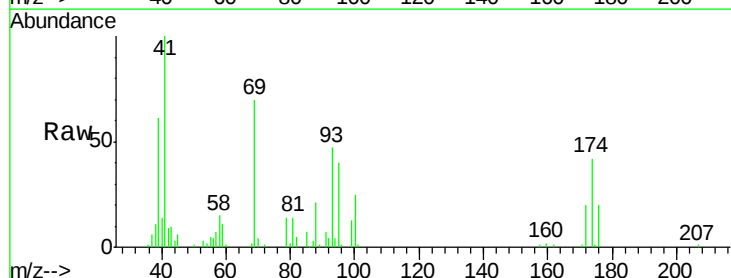
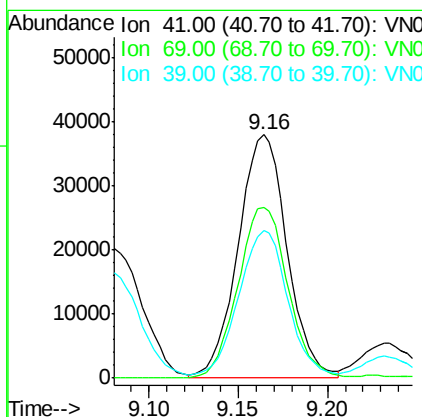
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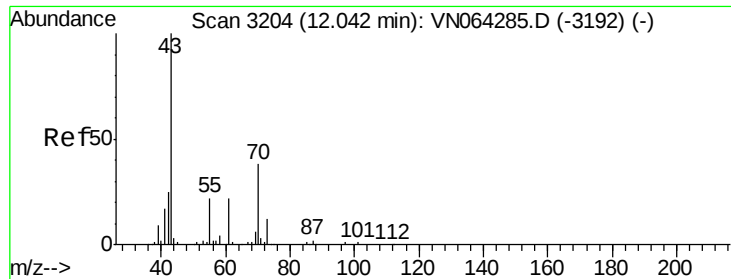
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#46
Methyl methacrylate
Concen: 18.697 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.3	32.6	97.7
39	59.9	31.1	93.3





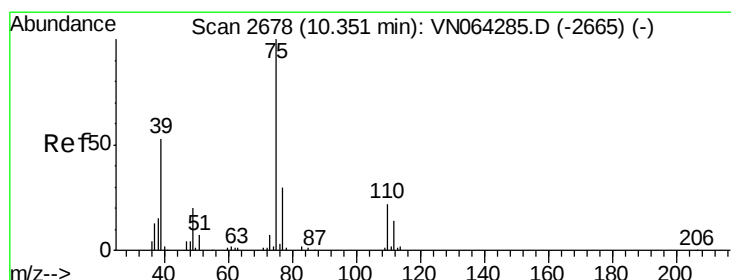
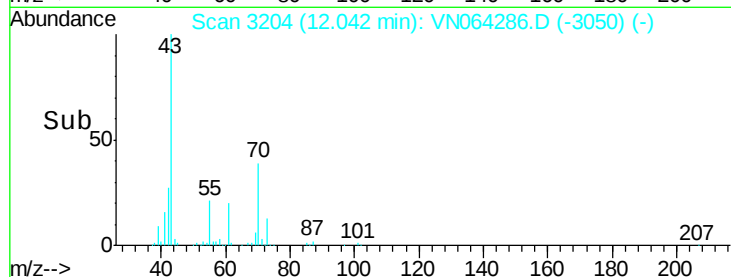
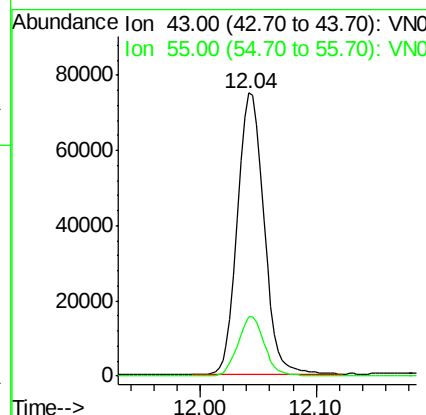
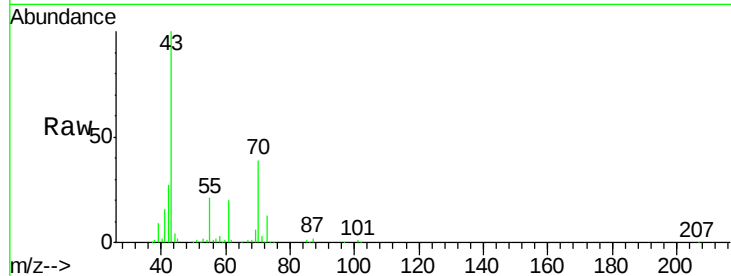
#47
n-amvl Acetate
Concen: 17.126 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion: 43 Resp: 118449
Ion Ratio Lower Upper
43 100
55 20.9 18.2 27.2

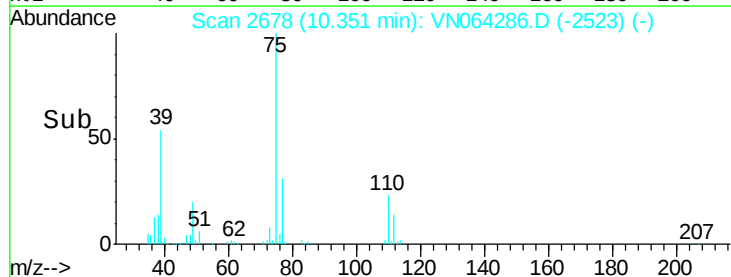
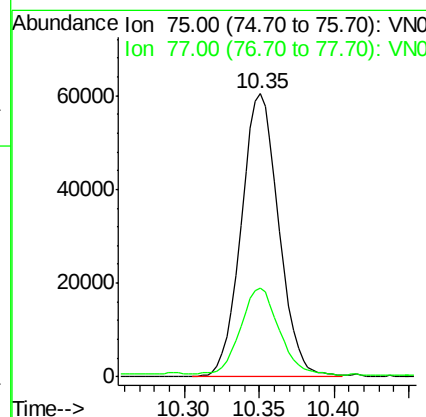
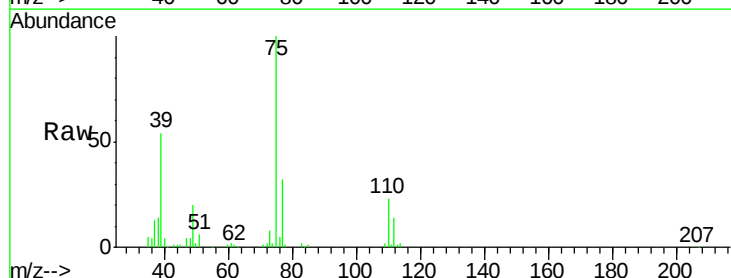
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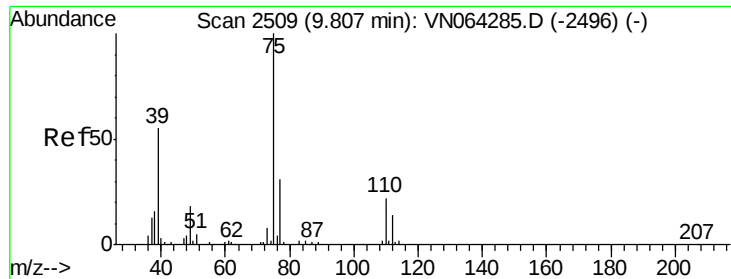
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#48
t-1,3-Dichloropropene
Concen: 17.719 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion: 75 Resp: 105404
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.0





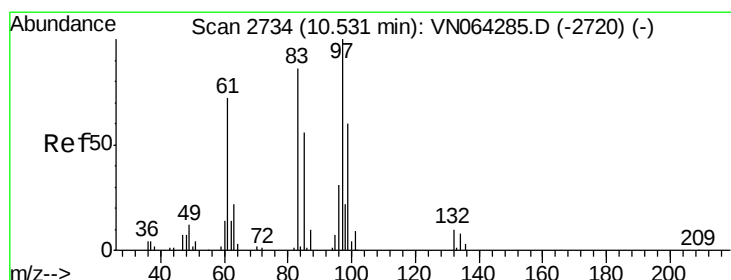
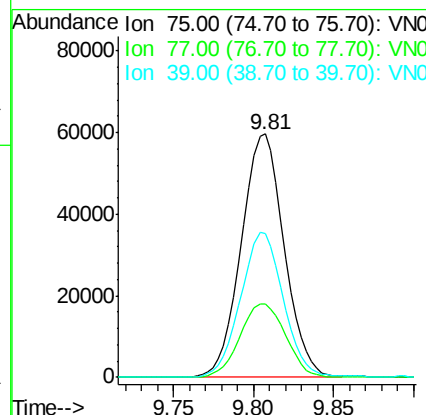
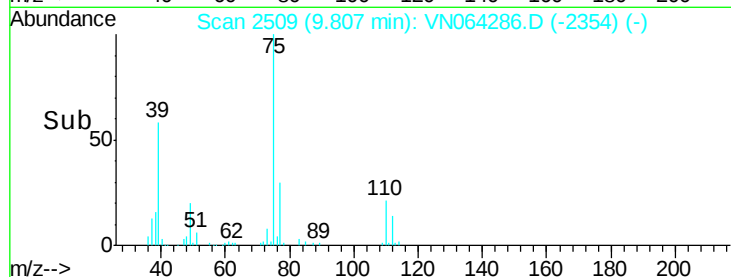
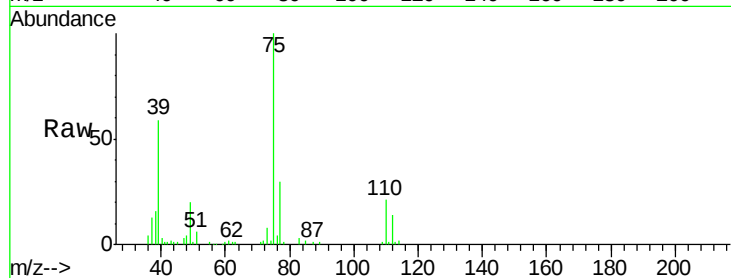
#49
 cis-1,3-Dichloropropene
 Concen: 17.642 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064286.D
 Acq: 23 Oct 2020 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102320

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	23.7	35.5
39	58.6	46.9	70.3

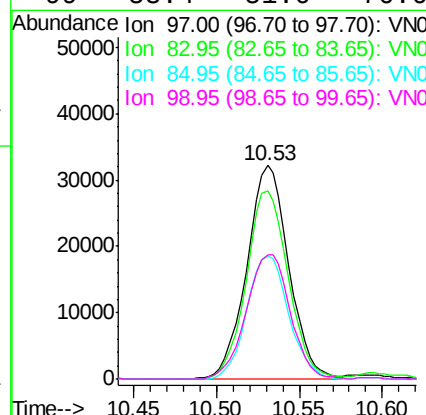
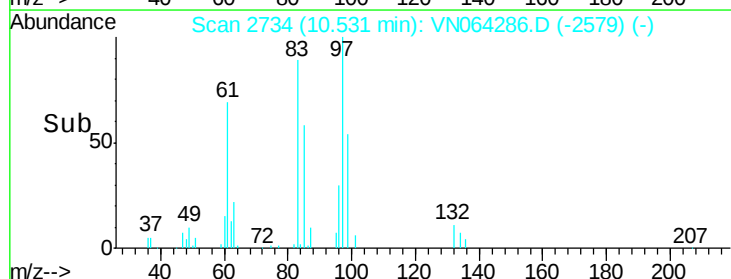
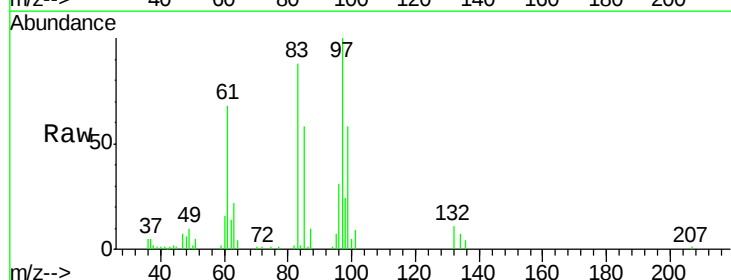
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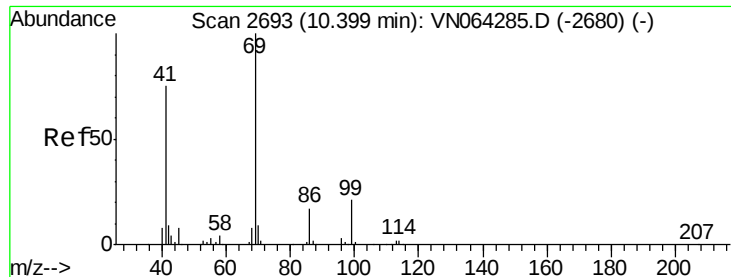
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#50
 1,1,2-Trichloroethane
 Concen: 17.494 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064286.D
 Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.2	68.9	103.3
85	57.6	37.8	56.8#
99	58.4	51.0	76.6





#51

Ethyl methacrylate

Concen: 17.400 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

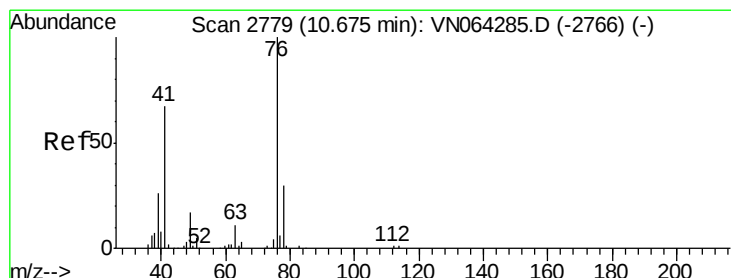
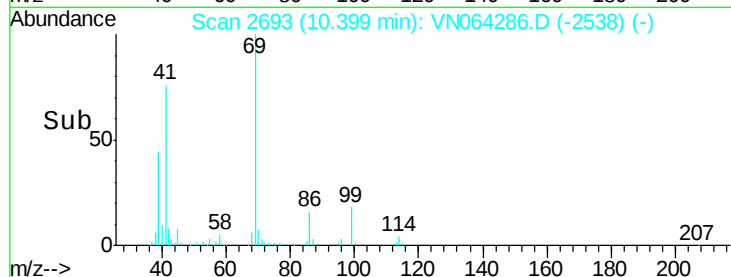
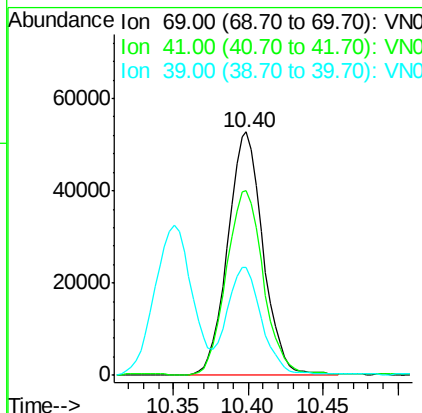
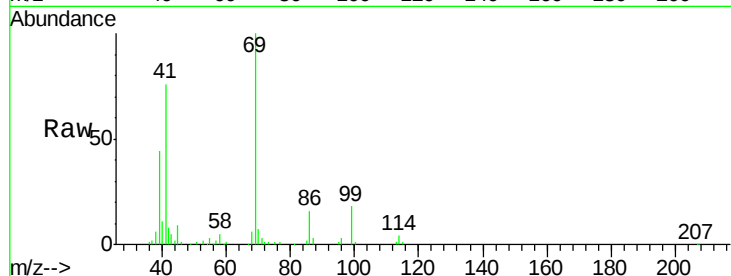
ClientSampleId :

ICVVN102320

Tot Ion:	69	Resp:	86620
Ion	Ratio	Lower	Upper
69	100		
41	75.6	43.6	130.9
39	43.5	25.8	77.3

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10/26/2020 1:38:53 PM



#52

1,3-Dichloropropane

Concen: 17.015 ug/l

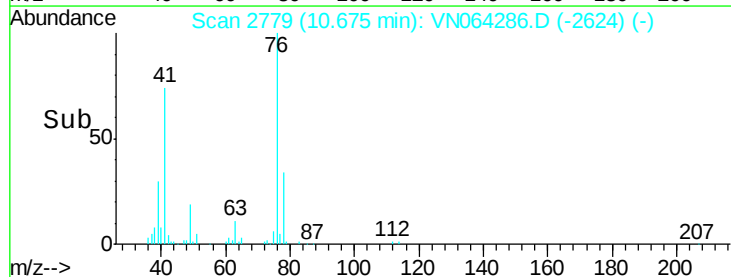
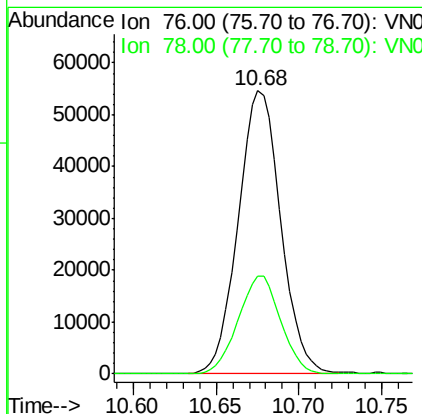
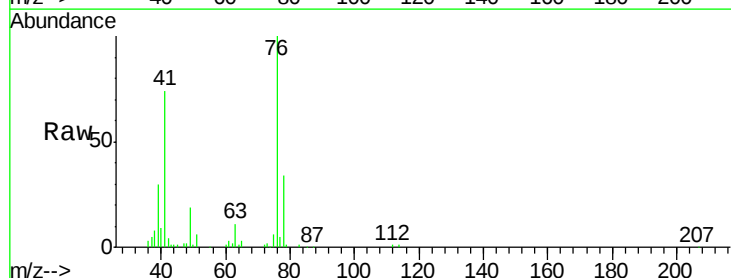
RT: 10.68 min Scan# 2779

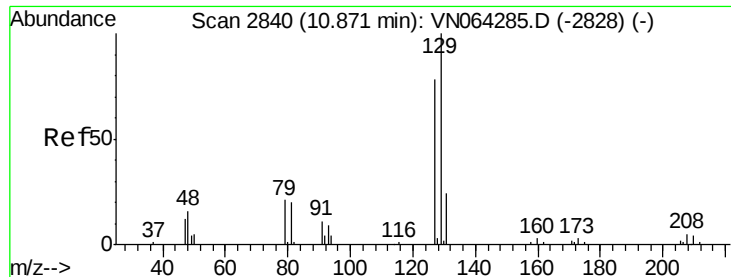
Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Tgt Ion:	76	Resp:	97374
Ion	Ratio	Lower	Upper
76	100		
78	34.3	0.0	64.6





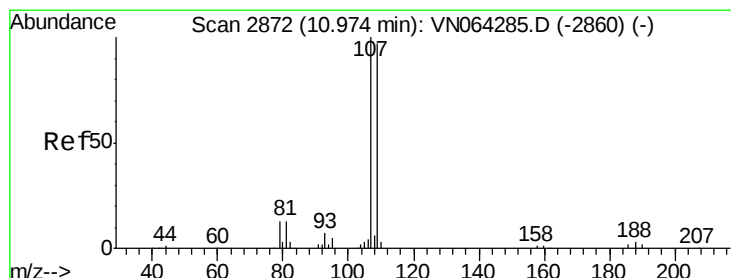
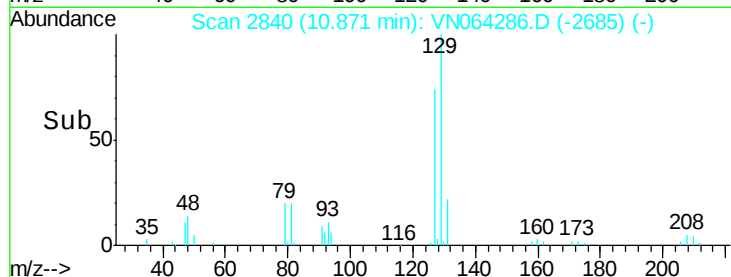
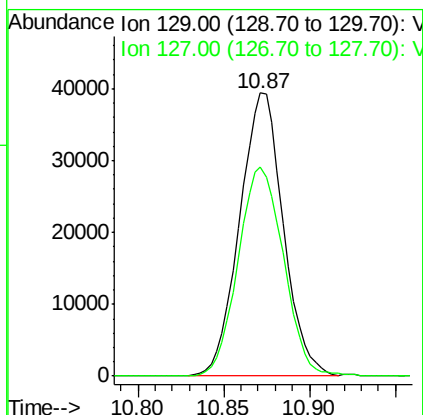
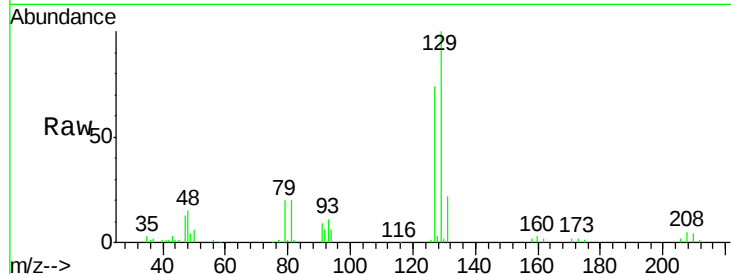
#53
Dibromochloromethane
Concen: 17.180 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion:129 Resp: 69473
Ion Ratio Lower Upper
129 100
127 76.6 42.4 127.2

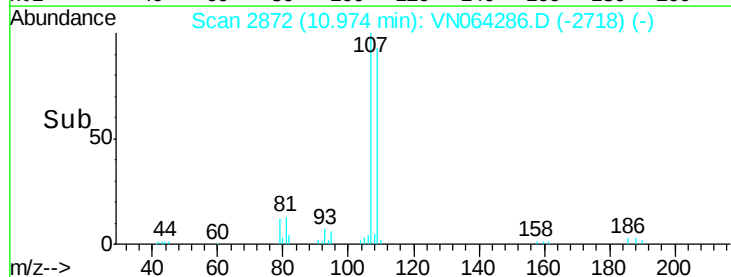
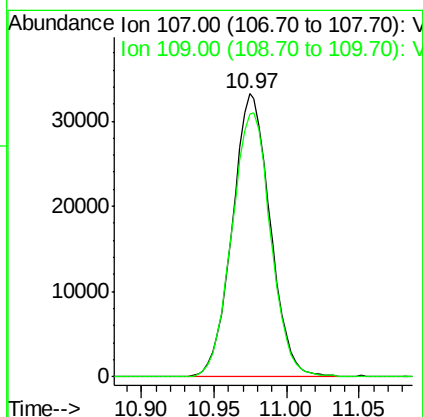
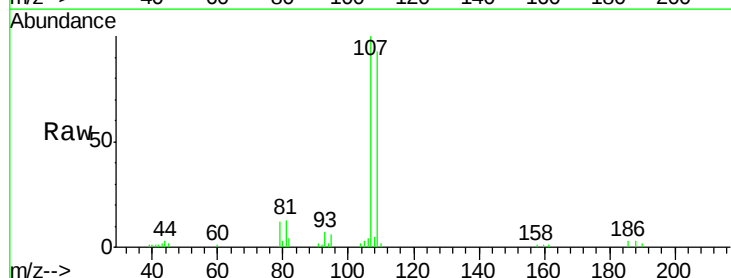
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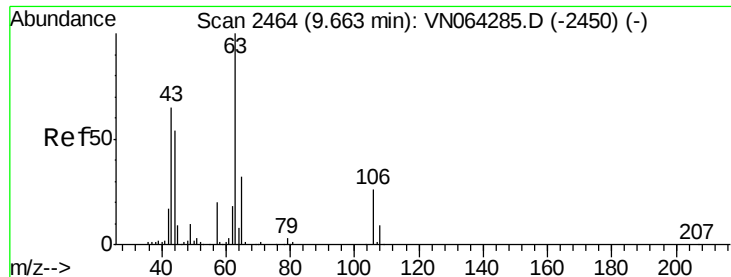
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#54
1,2-Dibromoethane
Concen: 17.428 ug/l
RT: 10.97 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion:107 Resp: 60276
Ion Ratio Lower Upper
107 100
109 95.6 75.7 113.5





#55

2-Chloroethyl vinyl ether

Concen: 93.569 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

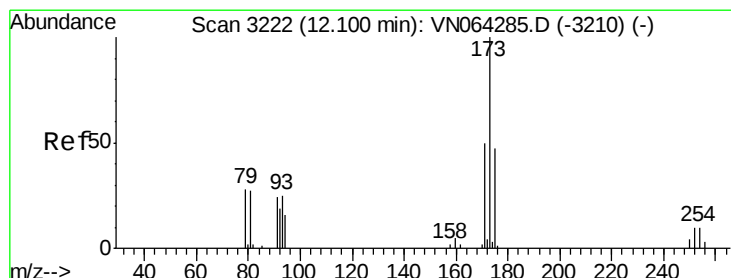
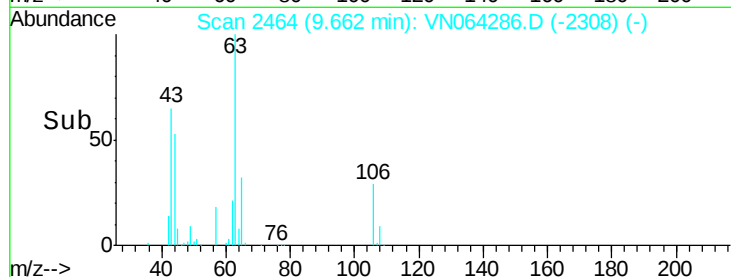
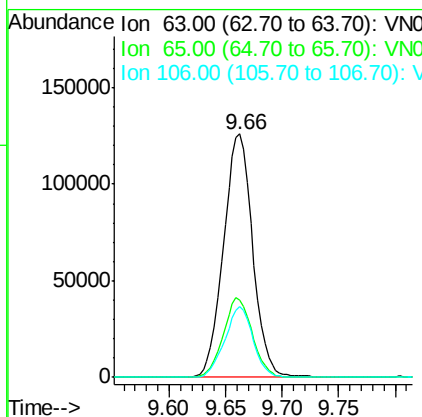
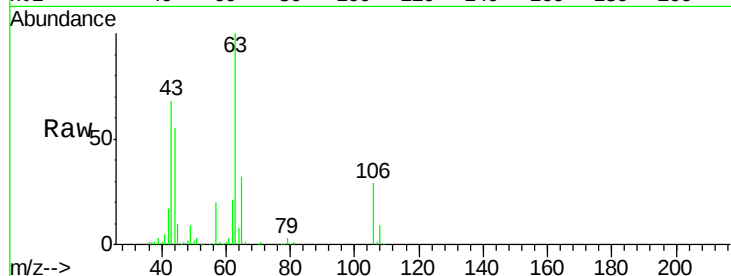
ClientSampleId :

ICVVN102320

Tot Ion:	63	Resp:	226324
Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.2	37.8
106	27.9	20.6	31.0

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#56

Bromoform

Concen: 16.104 ug/l

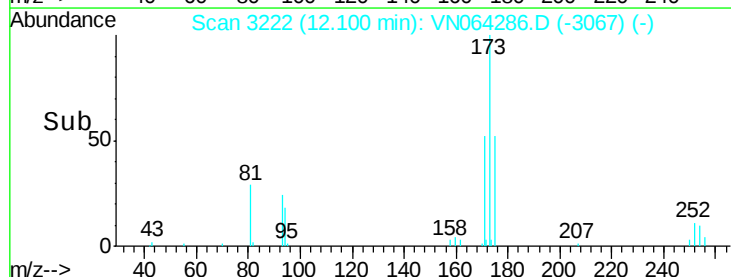
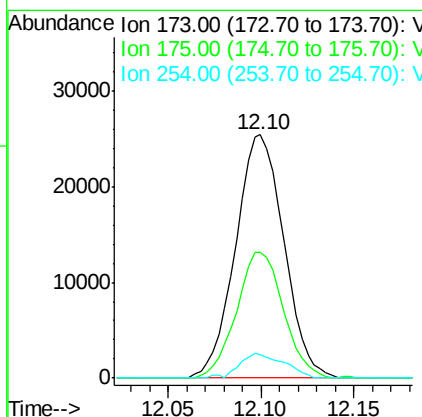
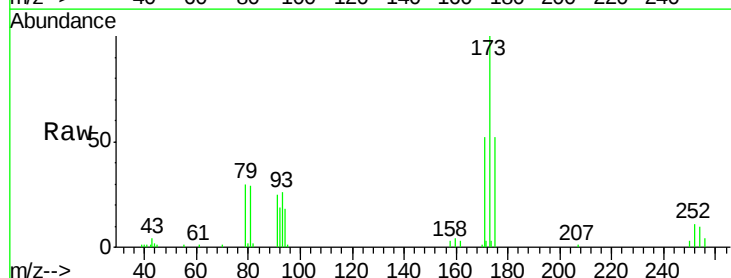
RT: 12.10 min Scan# 3222

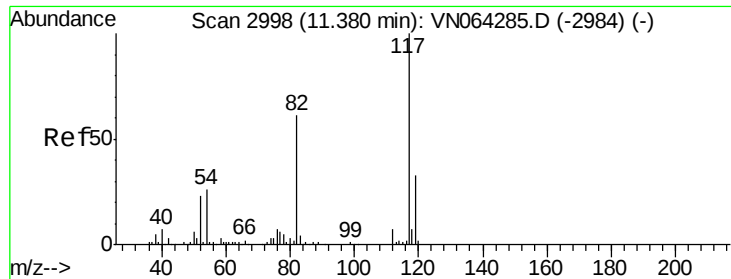
Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Tgt Ion:	173	Resp:	46041
Ion	Ratio	Lower	Upper
173	100		
175	50.3	39.5	59.3
254	9.0	5.0	7.4#





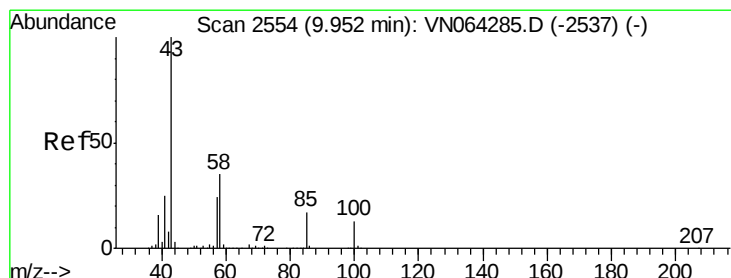
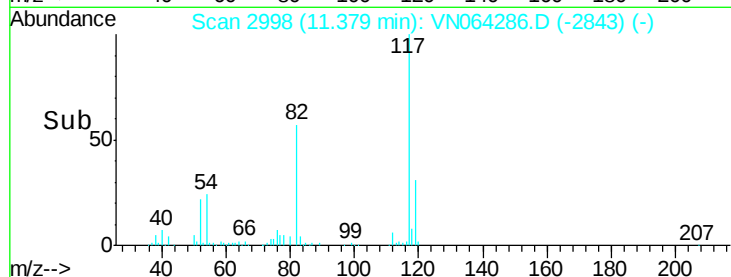
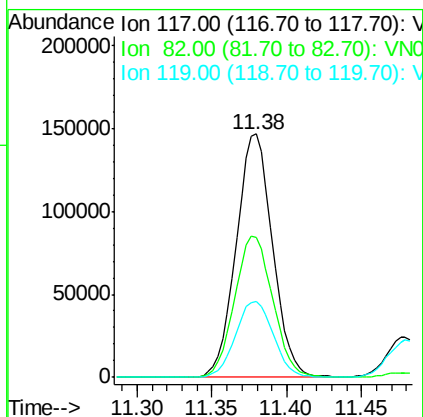
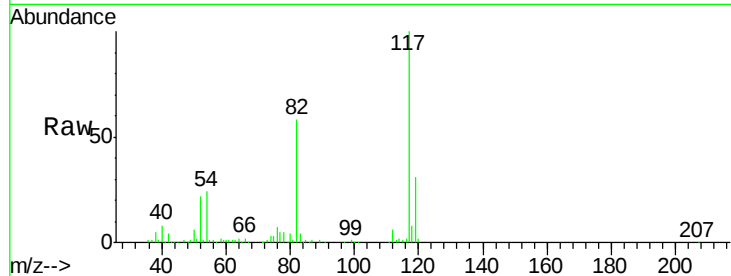
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion	Ratio	Resp	Lower	Upper
117	100	248658		
82	60.7	47.0	70.6	
119	32.4	24.6	37.0	

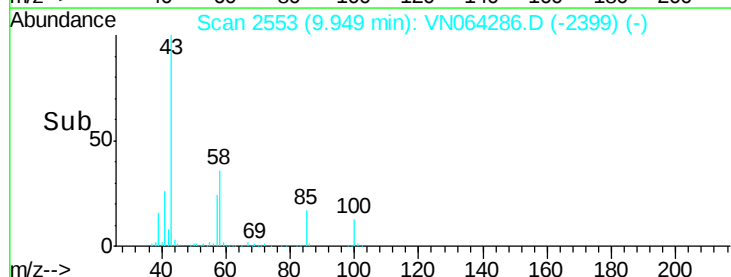
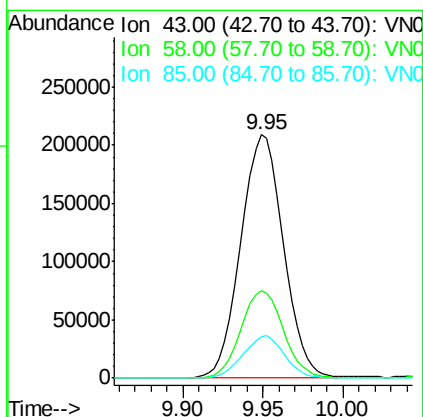
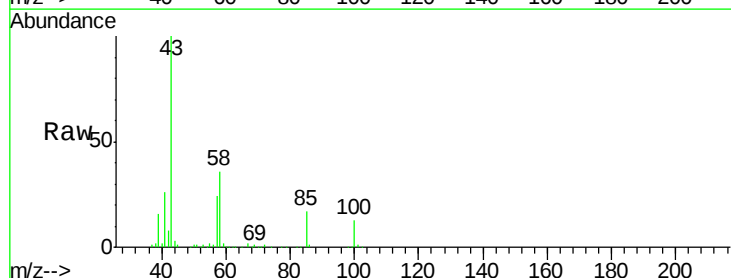
Manual Integrations
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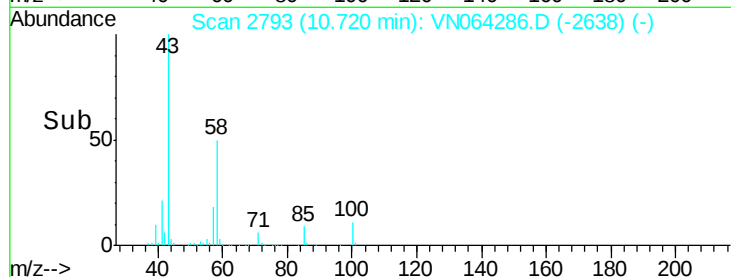
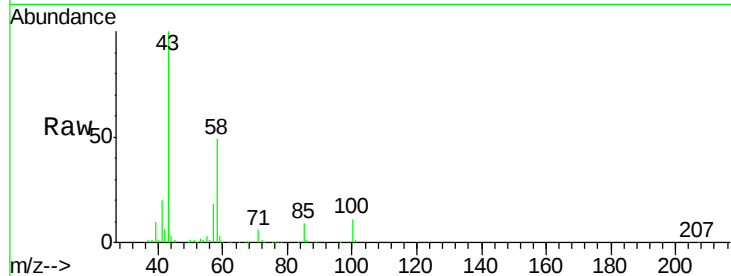
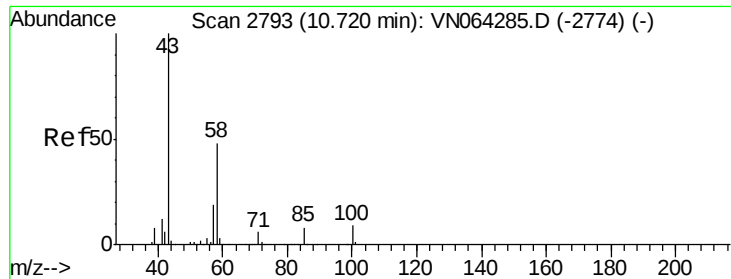
MMDadoda
10/26/2020 1:38:53 PM



#58
4-Methyl-2-Pentanone
Concen: 88.113 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	377613		
58	36.1	28.6	43.0	
85	17.1	13.7	20.5	





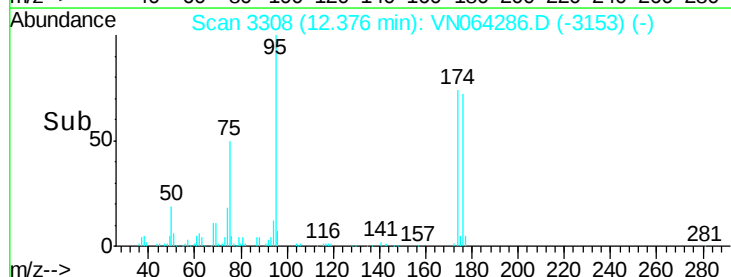
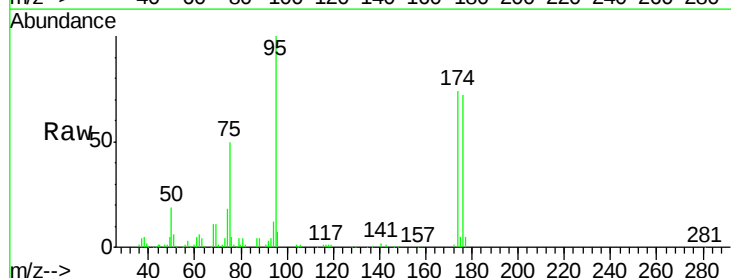
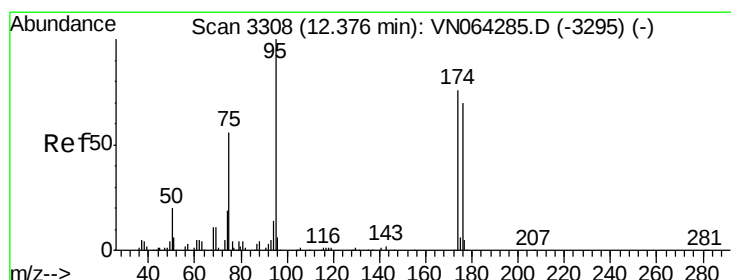
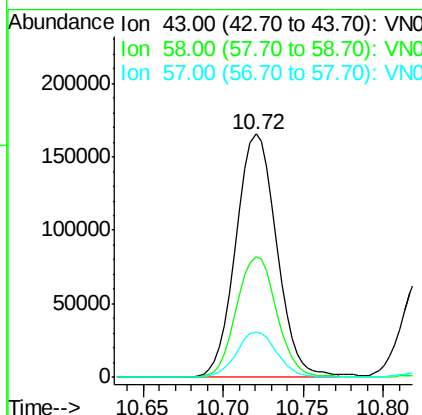
#59
2-Hexanone
Concen: 87.610 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.9	40.5	60.7
57	18.7	15.4	23.0

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

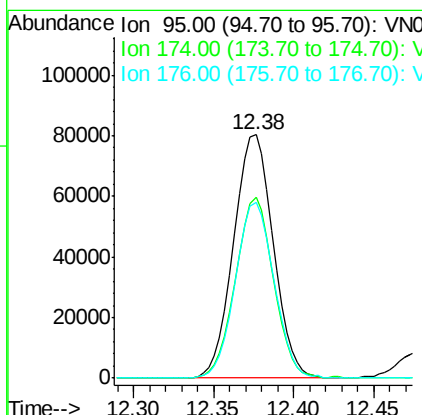
Manual Integrations
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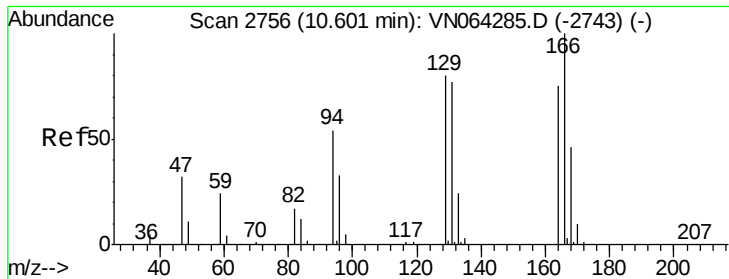
MMDadoda
10/26/2020 1:38:53 PM



#60
4-Bromofluorobenzene
Concen: 30.681 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.1	57.9	86.9
176	70.0	56.7	85.1





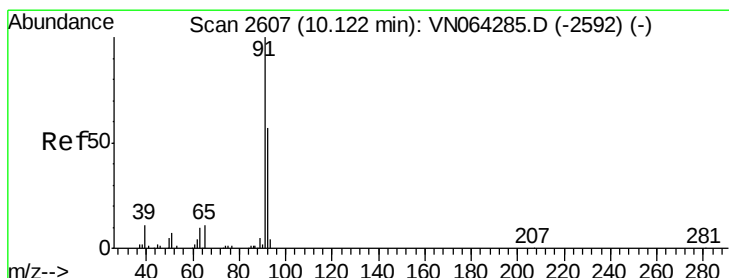
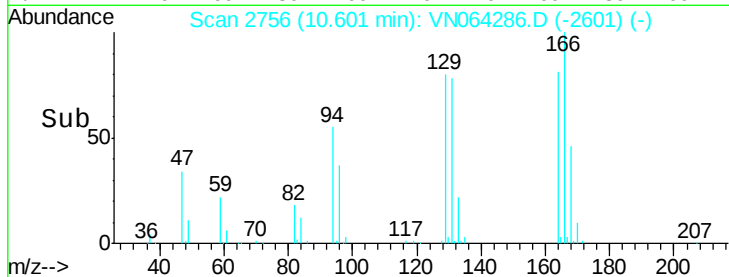
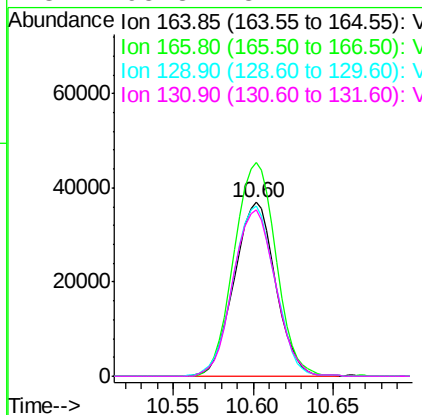
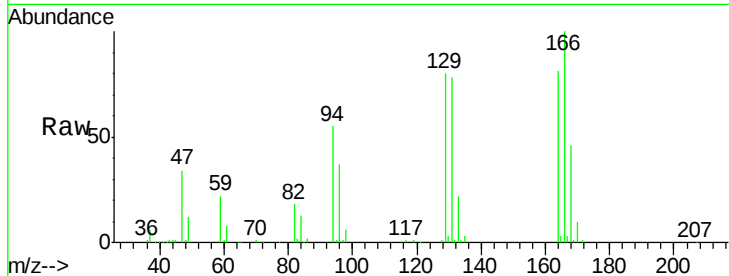
#61
Tetrachloroethene
Concen: 18.720 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion	Ratio	Lower	Upper
164	100		
166	122.7	107.4	161.0
129	97.4	84.3	126.5
131	95.3	81.1	121.7

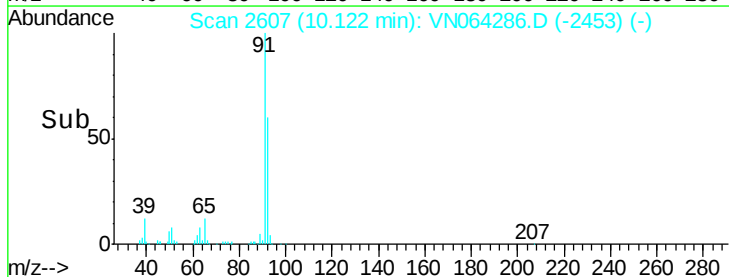
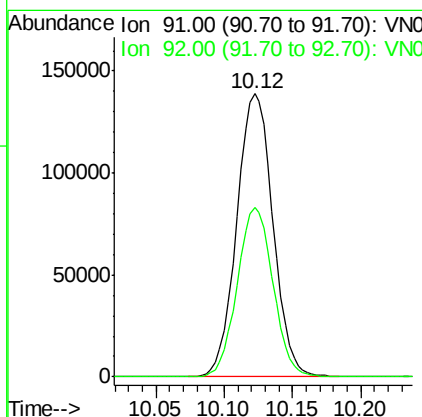
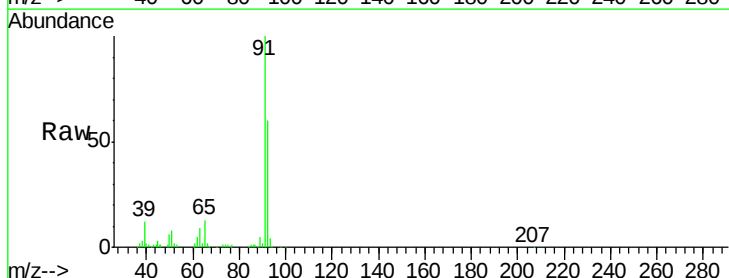
Manual Integrations
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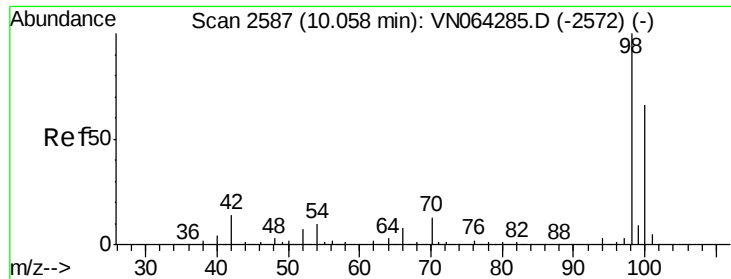
MMDadoda
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#62
Toluene
Concen: 17.849 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.2	46.4	69.6





#63

Toluene-d8

Concen: 30.116 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102320

Tot Ion: 98 Resp: 334718

Ion Ratio Lower Upper

98 100

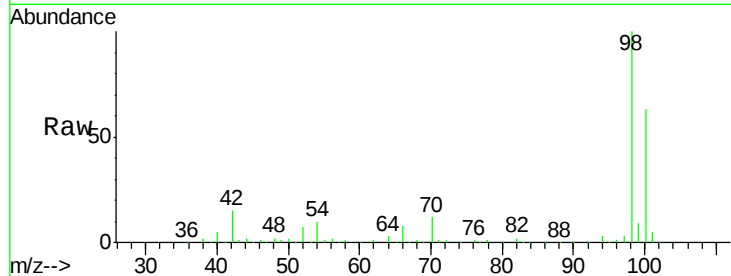
100 64.9 51.7 77.5

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

200000

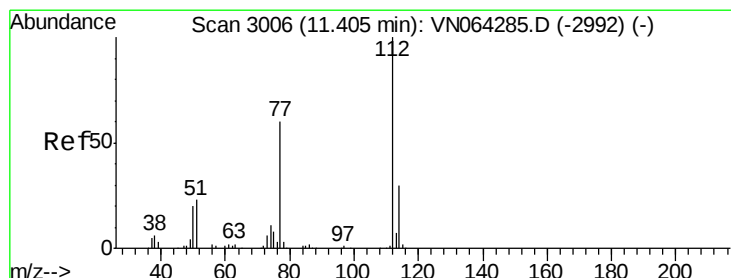
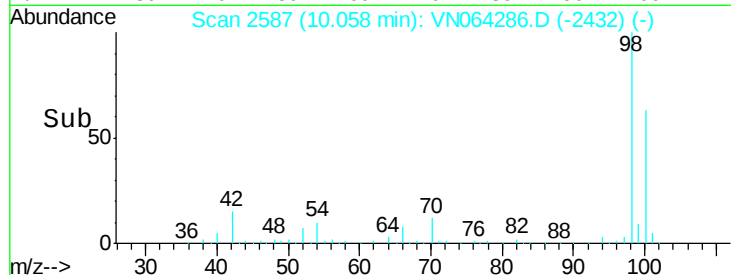
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 18.368 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN064286.D

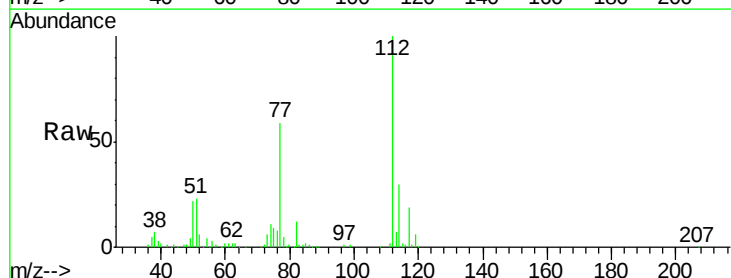
Acq: 23 Oct 2020 14:58

Tgt Ion: 112 Resp: 163099

Ion Ratio Lower Upper

112 100

114 30.0 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

11.40

100000

80000

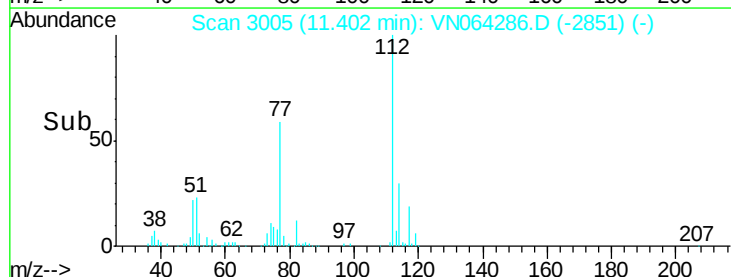
60000

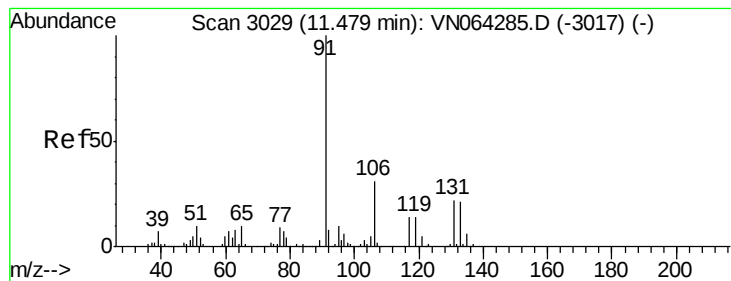
40000

20000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 17.451 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

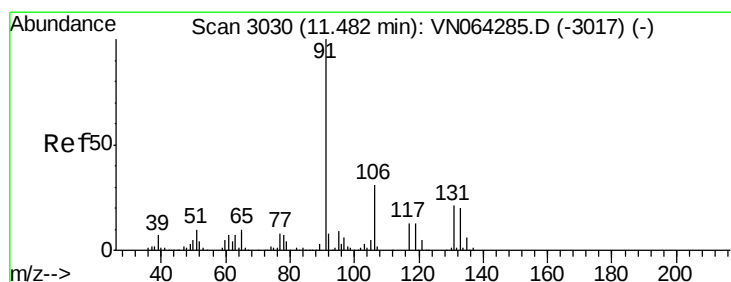
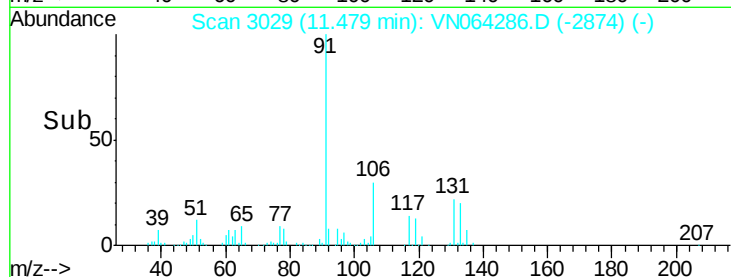
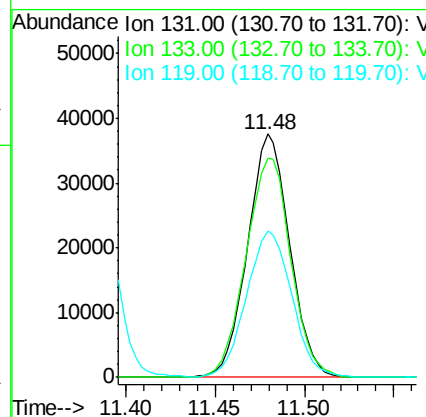
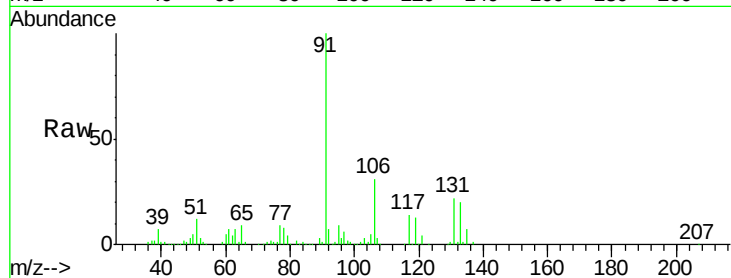
ClientSampleId :

ICVVN102320

Tot Ion:	131	Resp:	61898
Ion	Ratio	Lower	Upper
131	100		
133	96.2	0.0	193.4
119	64.9	0.0	125.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 17.978 ug/l

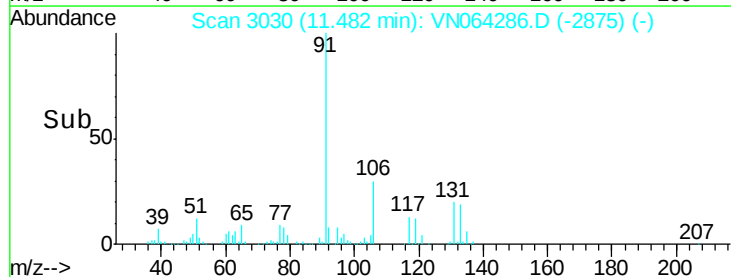
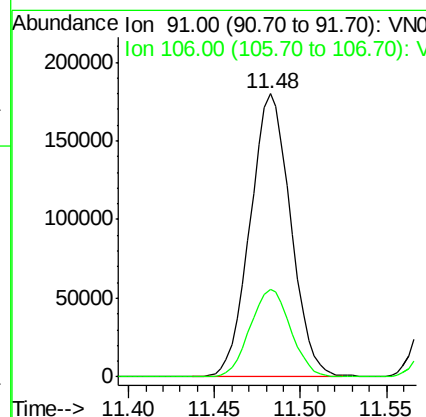
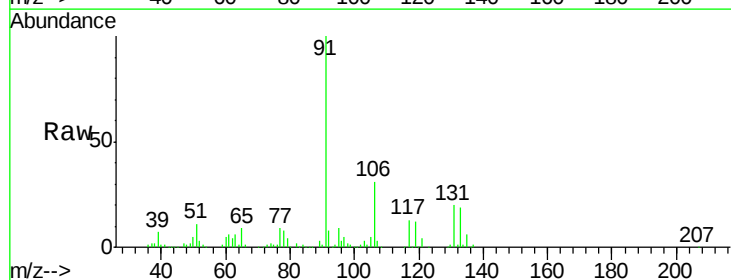
RT: 11.48 min Scan# 3030

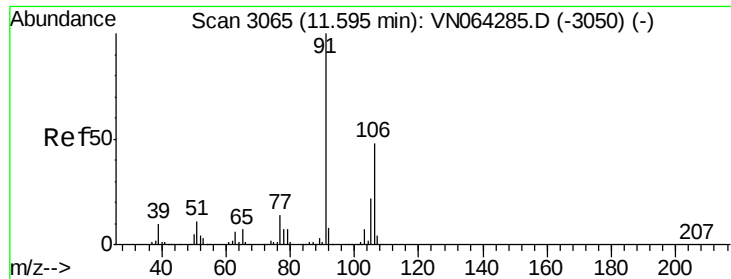
Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Tgt Ion:	91	Resp:	295043
Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.8	35.6





#67

m/p-Xvlenes

Concen: 35.637 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102320

Tot Ion:106 Resp: 216882

Ion Ratio Lower Upper

106 100

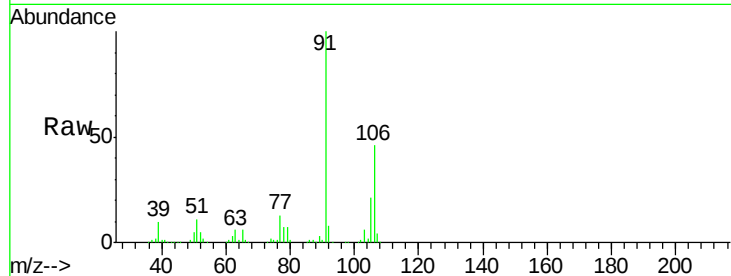
91 212.8 170.6 255.8

Manual Integrations

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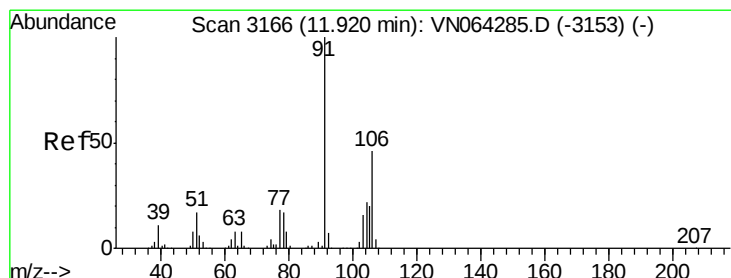
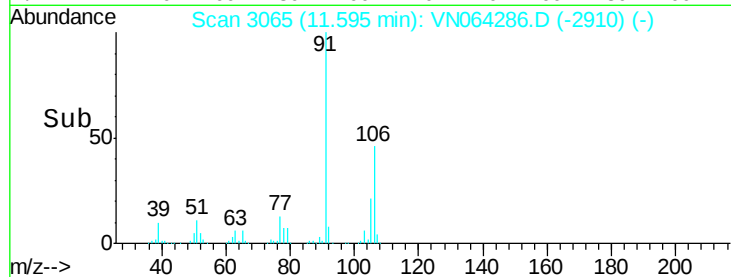
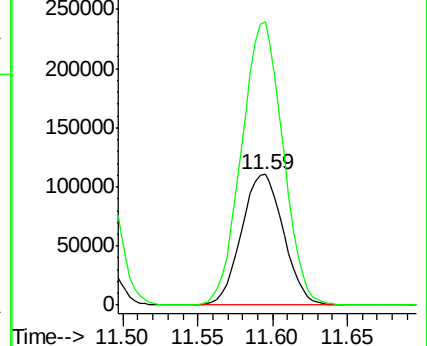
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 18.512 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VN064286.D

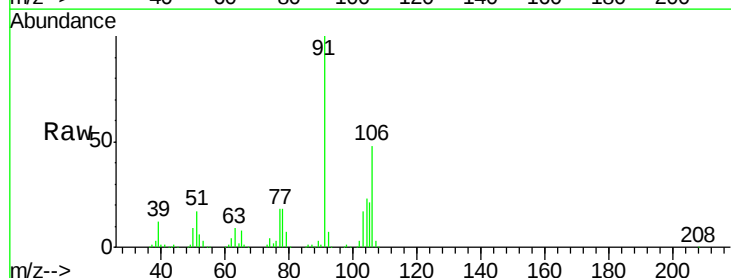
Acq: 23 Oct 2020 14:58

Tgt Ion:106 Resp: 109397

Ion Ratio Lower Upper

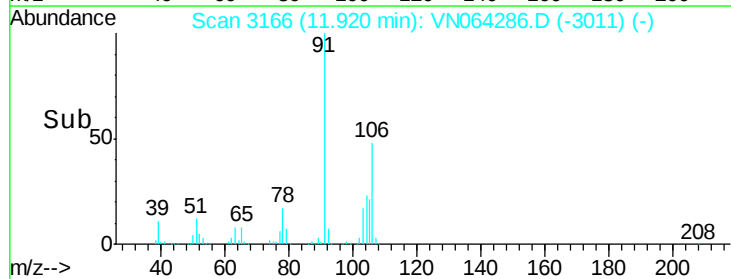
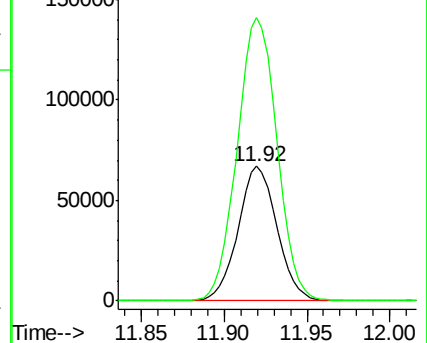
106 100

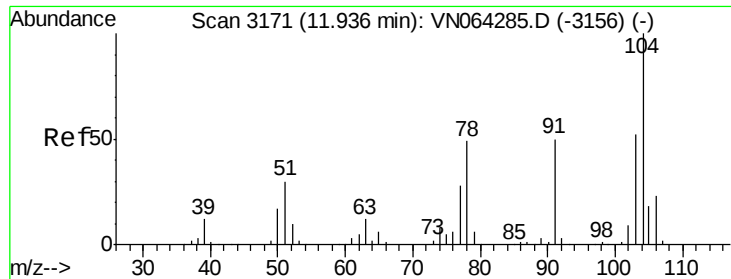
91 215.6 115.3 346.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





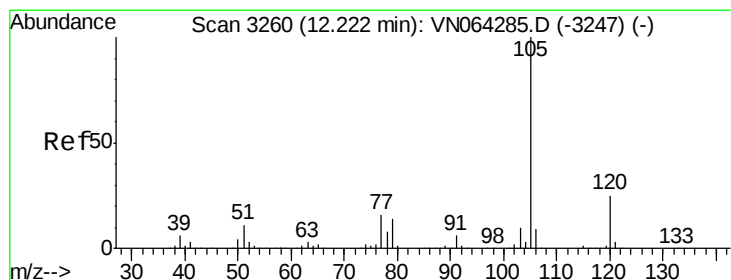
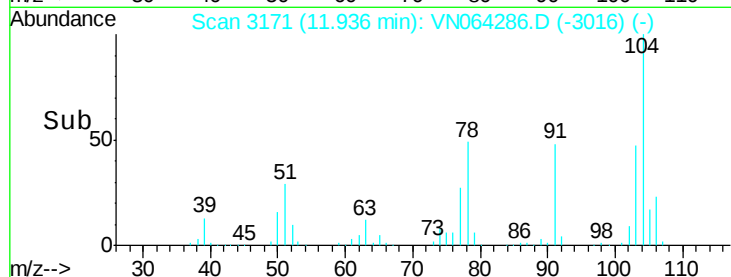
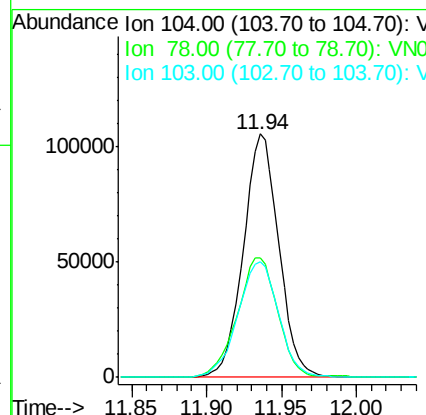
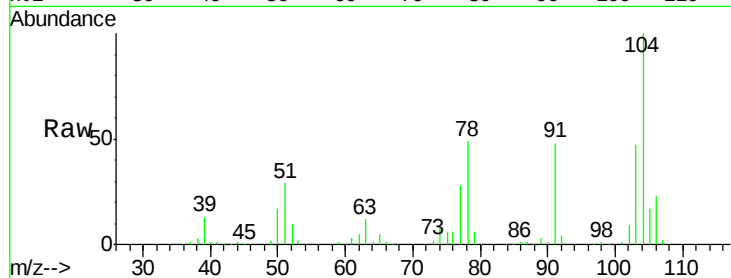
#69
Stvrene
Concen: 17.663 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.1	45.4	68.2
103	54.4	44.6	67.0

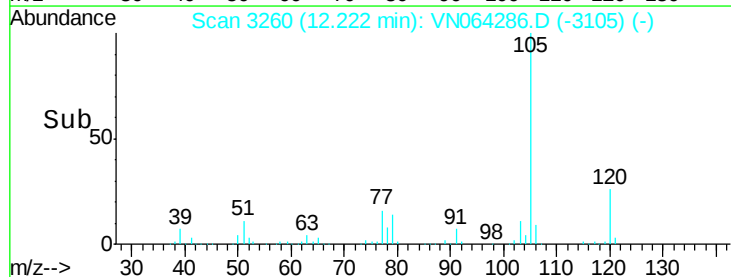
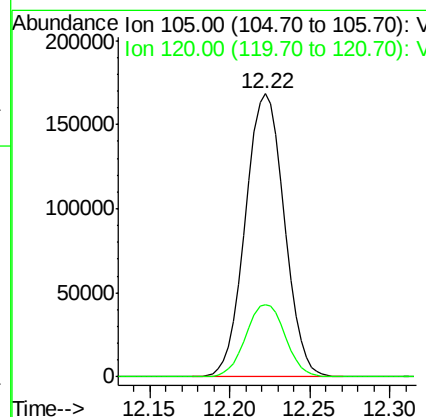
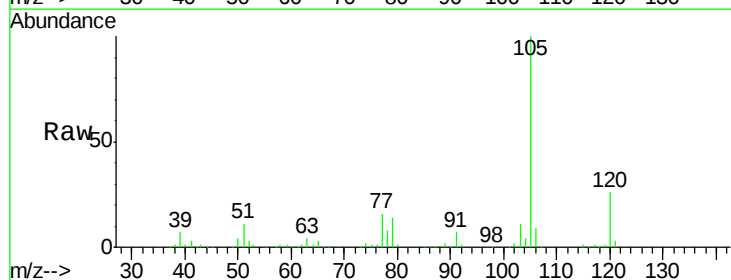
Manual Integrations
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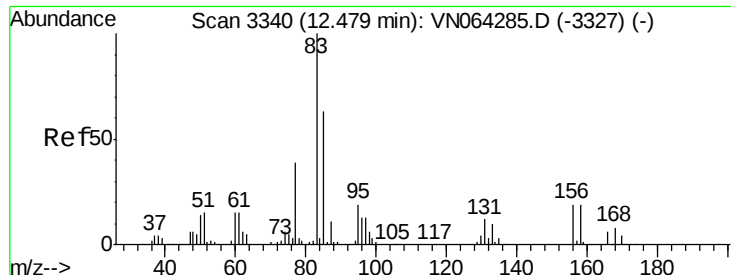
MMDadoda
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#70
Isopropylbenzene
Concen: 17.874 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.6	34.5





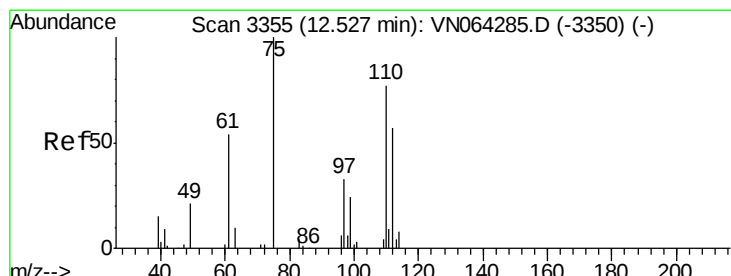
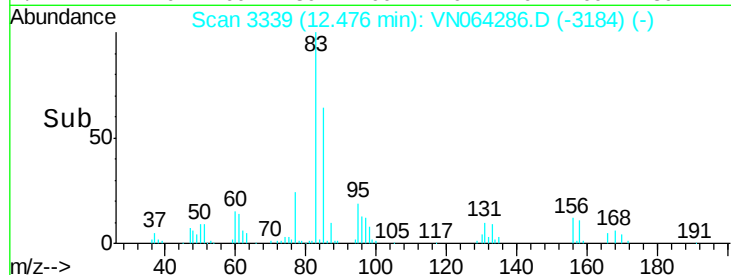
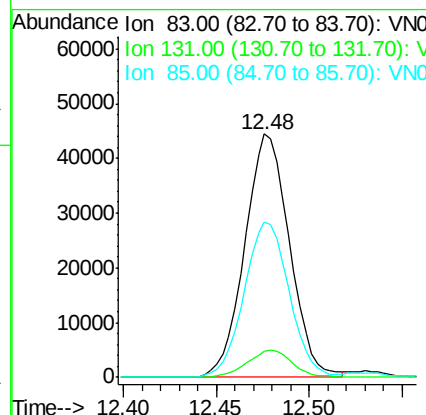
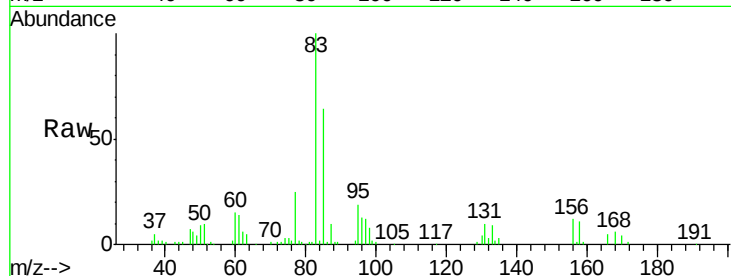
#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.806 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN064286.D
 Acq: 23 Oct 2020 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102320

Tot Ion	83	Resp	74623
Ion Ratio	100	Lower	Upper
83	100		
131	11.3	5.7	17.0
85	64.4	33.3	99.8

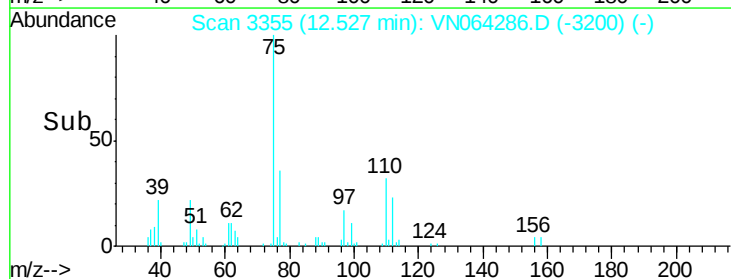
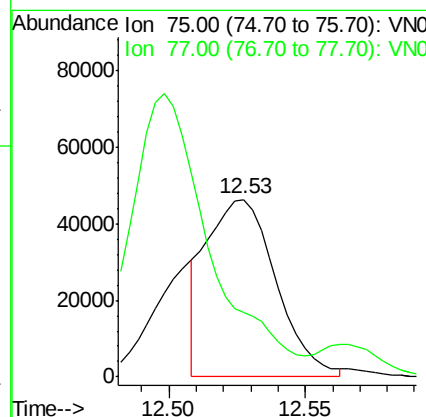
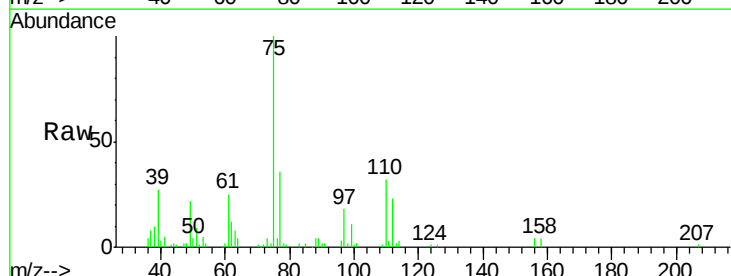
Manual Integrations
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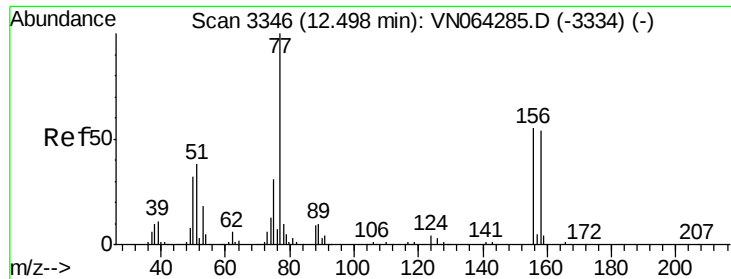
MMDadoda
 10/26/2020 1:38:53 PM



#72
 1,2,3-Trichloropropane
 Concen: 18.924 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064286.D
 Acq: 23 Oct 2020 14:58

Tgt Ion	75	Resp	82350
Ion Ratio	100	Lower	Upper
75	100		
77	184.0	0.0	365.2





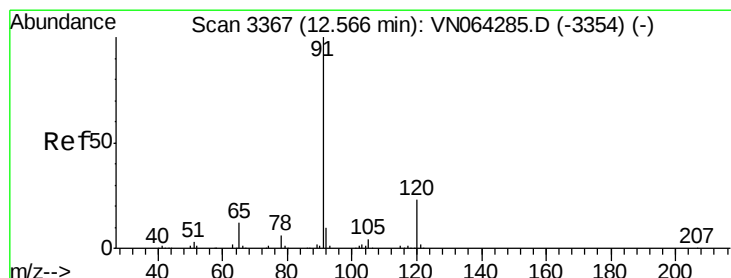
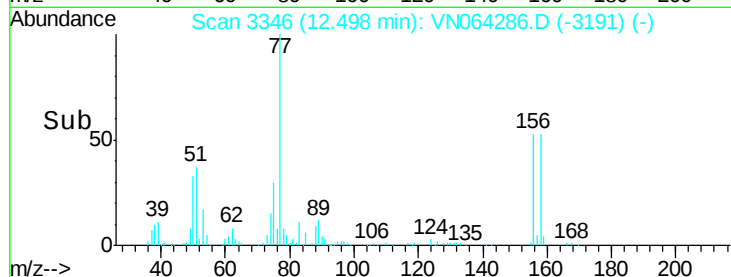
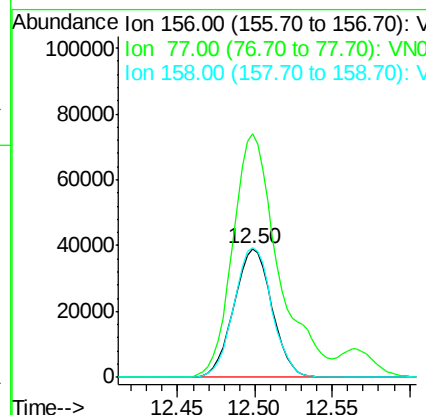
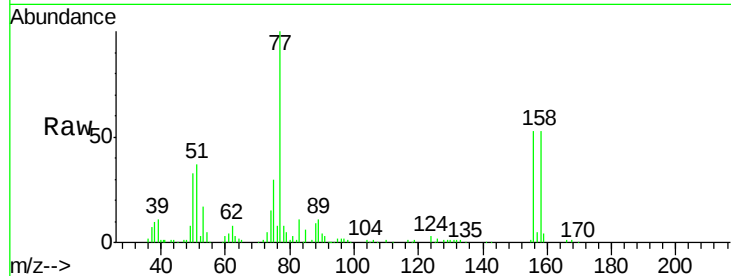
#73
Bromobenzene
Concen: 17.619 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion	Ratio	Lower	Upper
156	100		
77	226.3	0.0	450.2
158	100.1	0.0	194.8

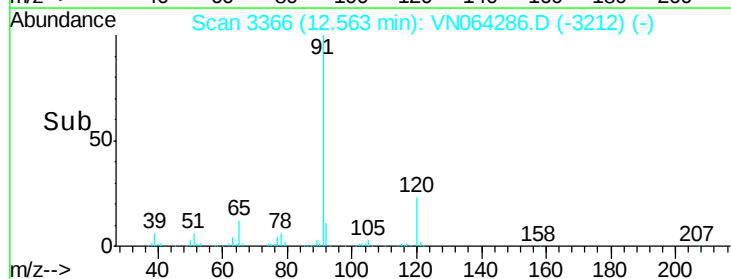
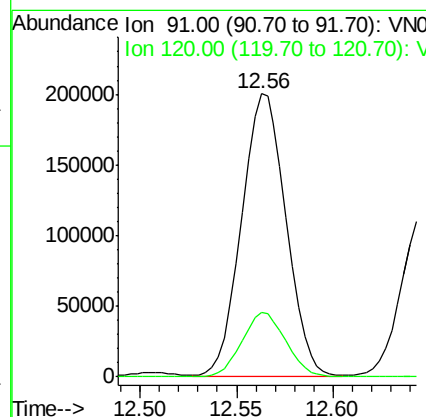
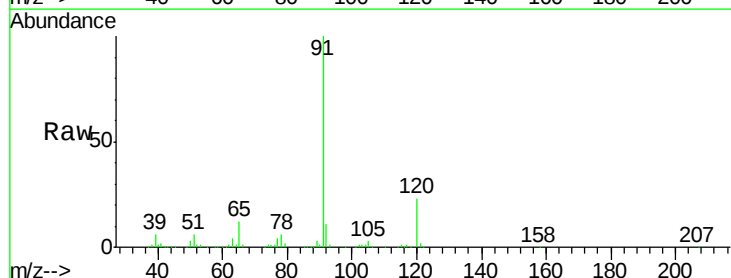
Manual Integrations
APPROVED

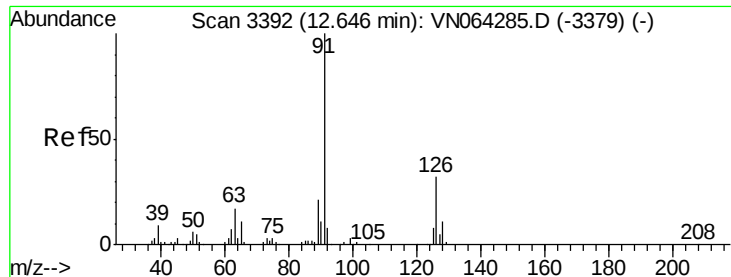
MMDadoda
10/26/2020 1:38:53 PM



#74
n-propylbenzene
Concen: 17.879 ug/l
RT: 12.56 min Scan# 3366
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	0.0	43.6





#75

2-Chlorotoluene

Concen: 17.929 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

ICVFN102320

Tot Ion: 91 Resp: 198460

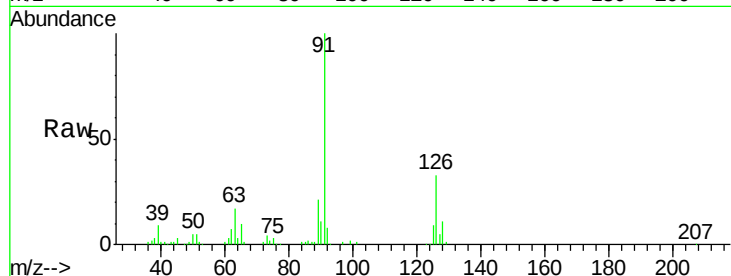
Ion Ratio Lower Upper

91 100

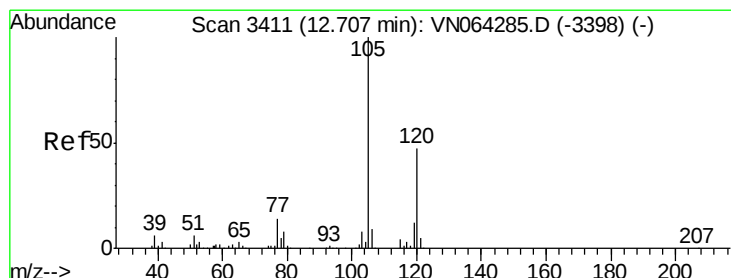
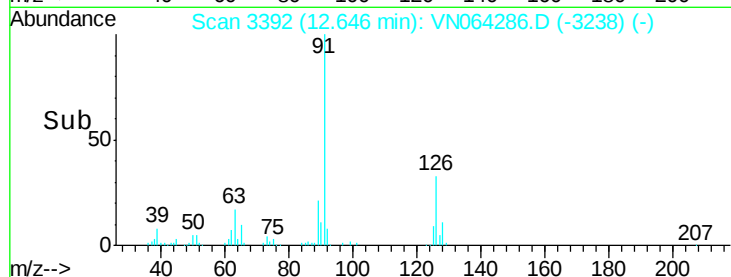
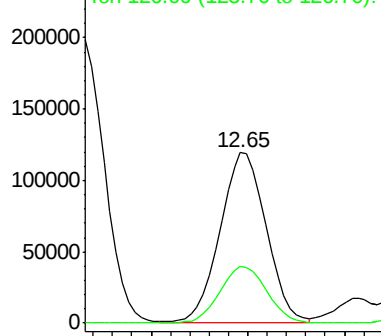
126 34.2 0.0 62.8

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Abundance Ion 91.00 (90.70 to 91.70): VN064285.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.128 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064286.D

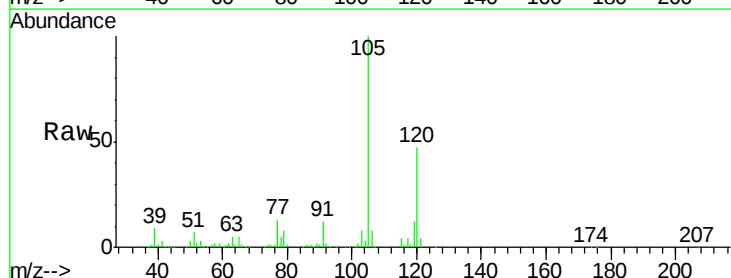
Acq: 23 Oct 2020 14:58

Tgt Ion: 105 Resp: 240059

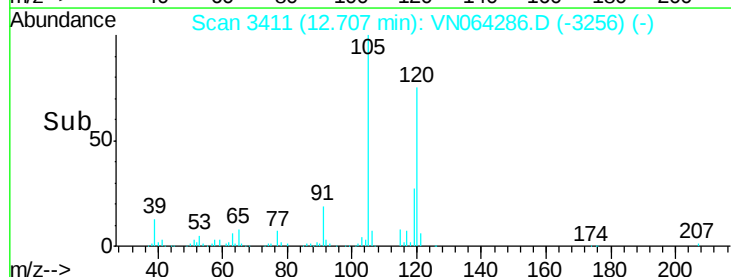
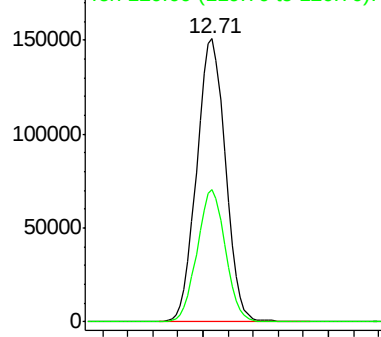
Ion Ratio Lower Upper

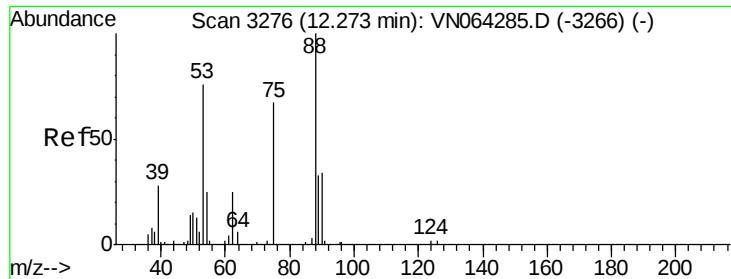
105 100

120 45.6 0.0 92.8



Abundance Ion 105.00 (104.70 to 105.70): VN064285.D (-3398) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.209 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

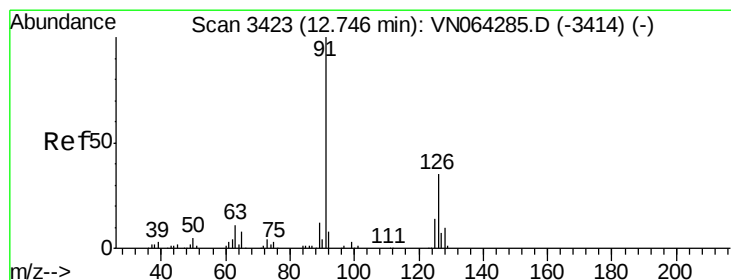
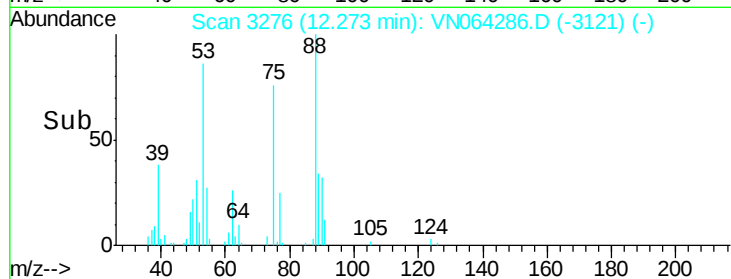
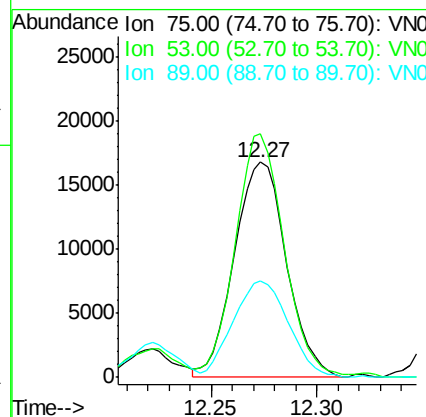
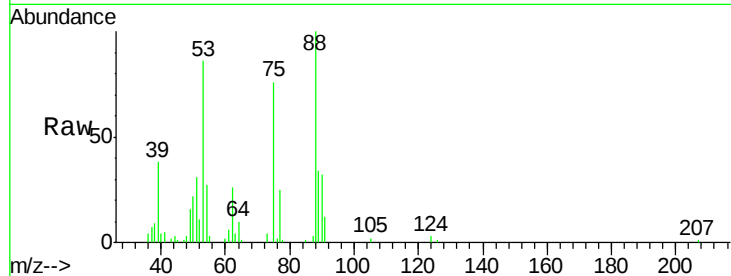
ClientSampleId :

ICVVN102320

Tot Ion:	75	Resp:	28960
Ion	Ratio	Lower	Upper
75	100		
53	111.6	44.8	134.3
89	44.9	22.2	66.6

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#78

4-Chlorotoluene

Concen: 17.830 ug/l

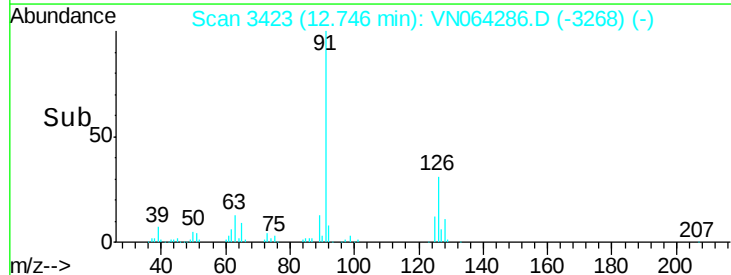
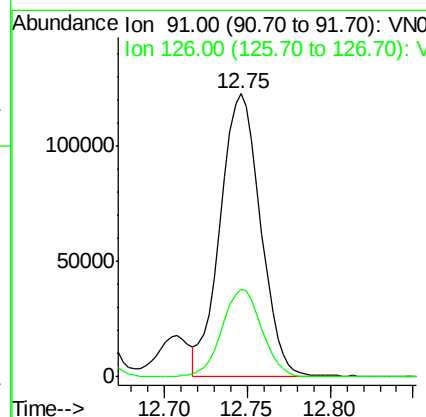
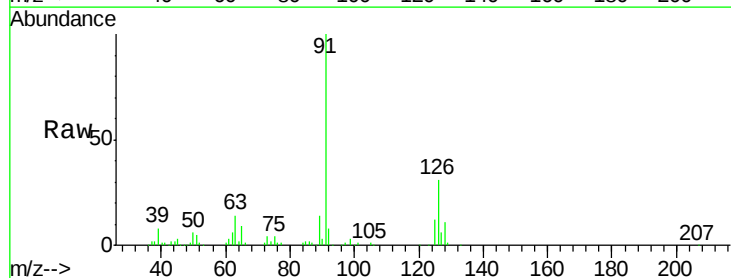
RT: 12.75 min Scan# 3423

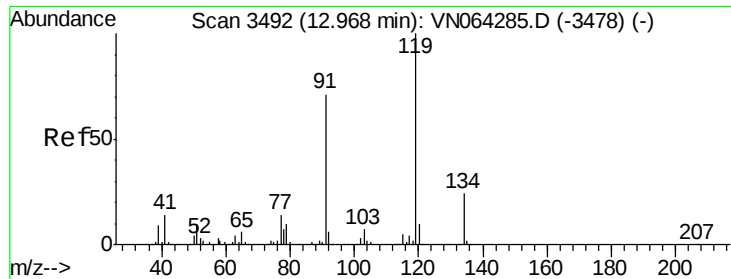
Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Tgt Ion:	91	Resp:	205775
Ion	Ratio	Lower	Upper
91	100		
126	31.0	0.0	62.2





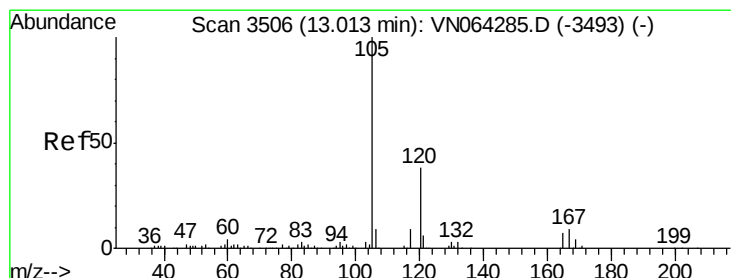
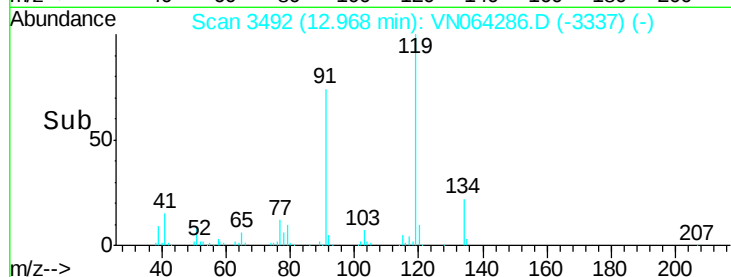
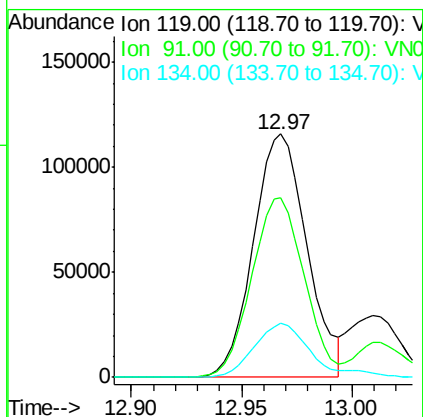
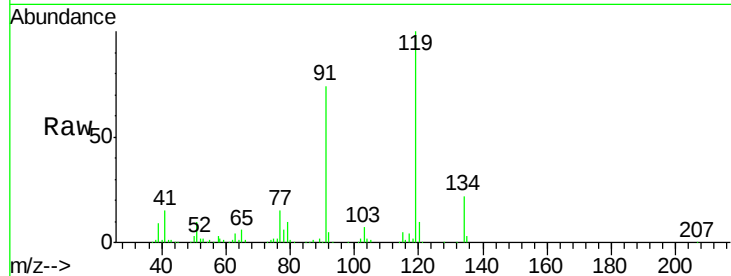
#79
tert-butylbenzene
Concen: 18.034 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion	Ratio	Resp	Lower	Upper
119	100	195161		
91	72.5	0.0	140.0	
134	22.3	0.0	45.8	

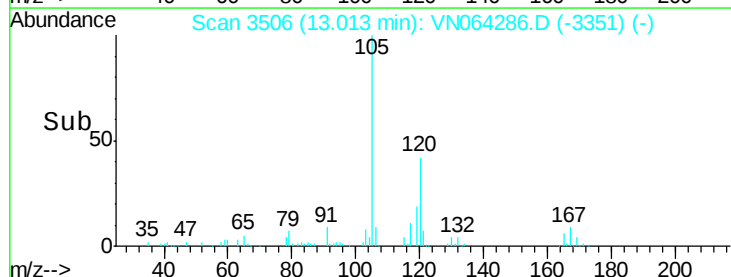
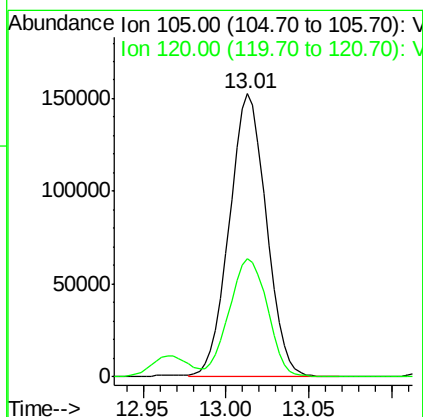
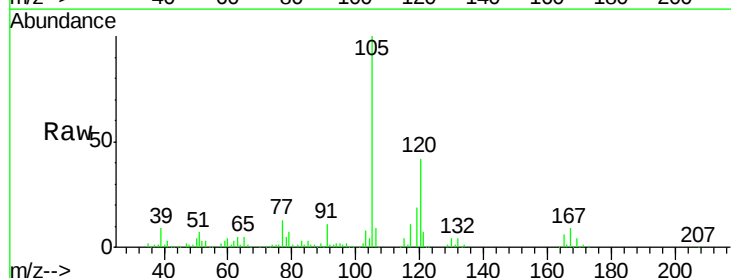
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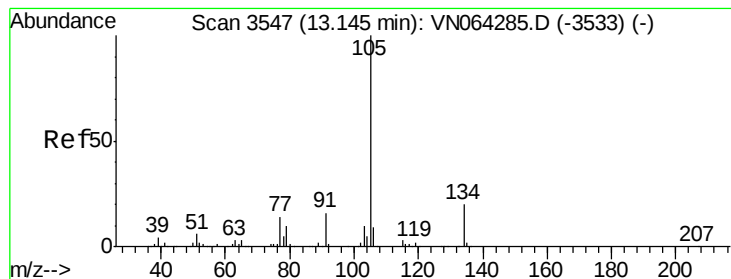
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#80
1,2,4-Trimethylbenzene
Concen: 17.554 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	235913		
120	43.9	0.0	87.4	





#81

sec-Butylbenzene

Concen: 18.007 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102320

Tot Ion:105 Resp: 252970

Ion Ratio Lower Upper

105 100

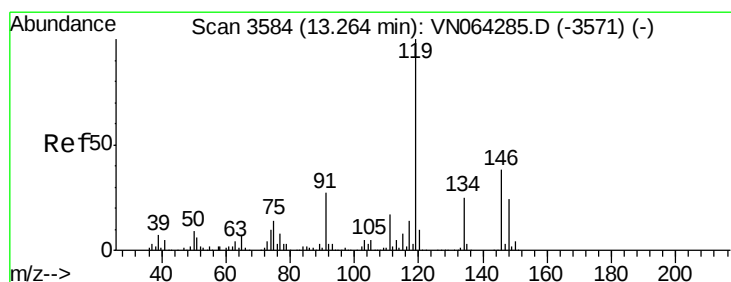
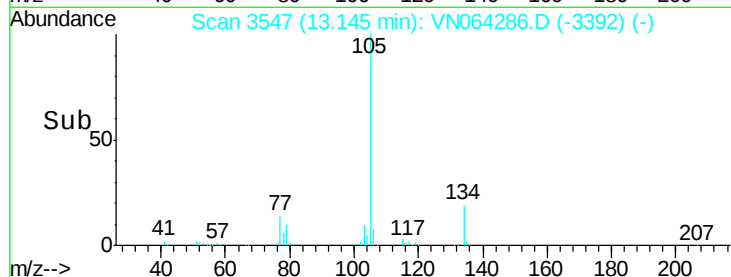
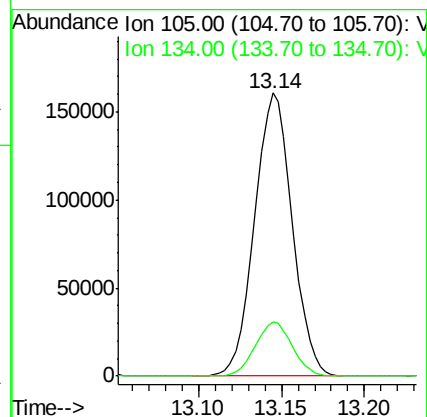
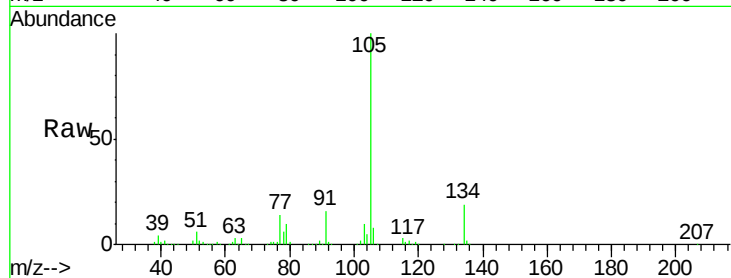
134 19.1 0.0 36.8

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#82

p-Isopropyltoluene

Concen: 18.163 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

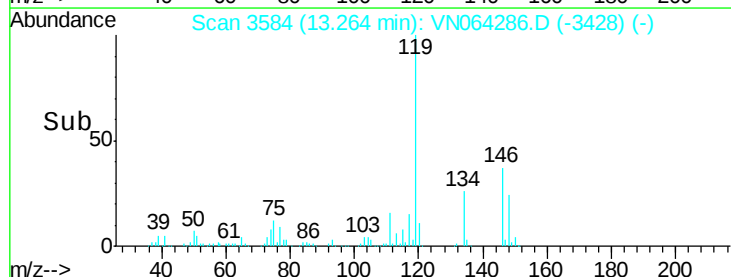
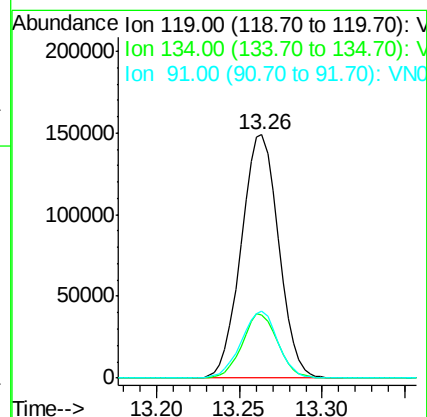
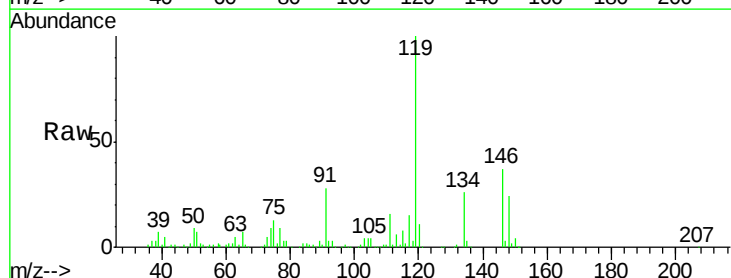
Tgt Ion:119 Resp: 234153

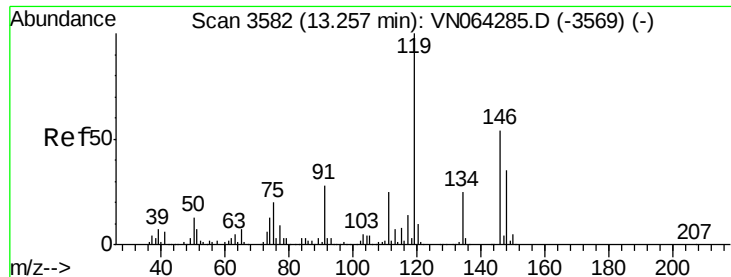
Ion Ratio Lower Upper

119 100

134 25.1 0.0 47.8

91 27.1 0.0 55.8





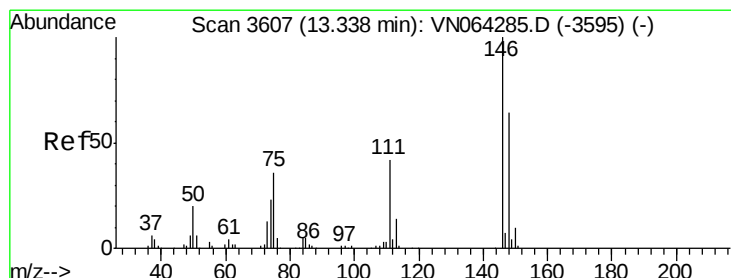
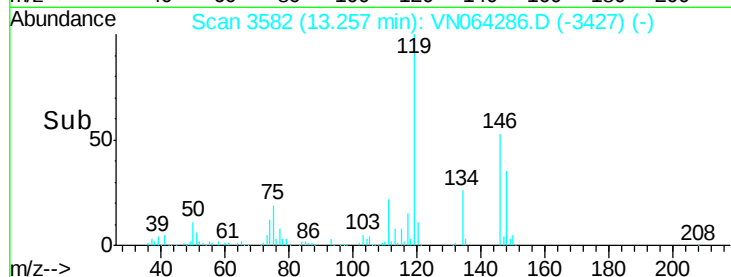
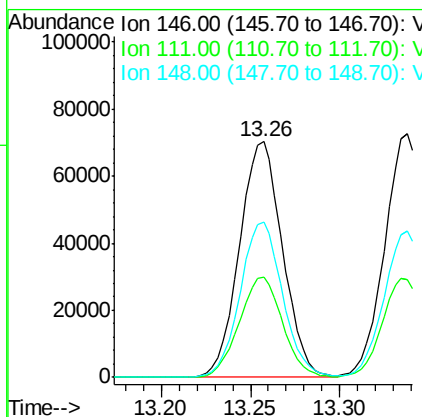
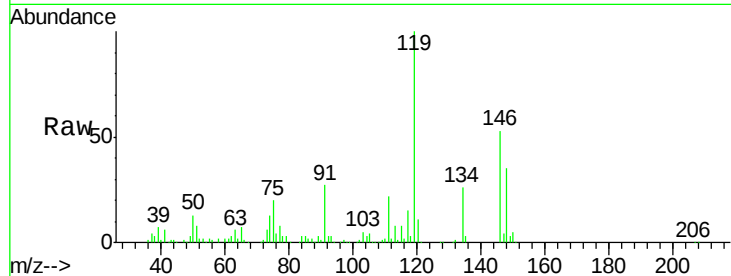
#83
1,3-Dichlorobenzene
Concen: 17.730 ug/l
RT: 13.26 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118855		
111	42.7	22.1	66.5	
148	64.8	31.9	95.5	

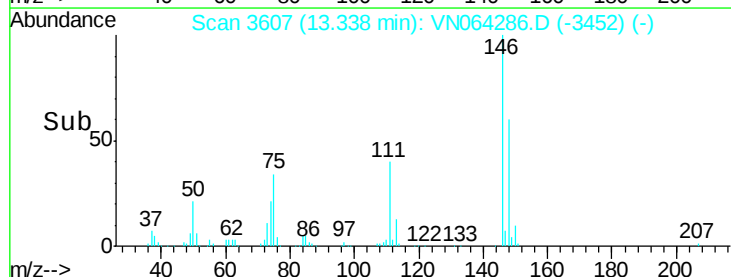
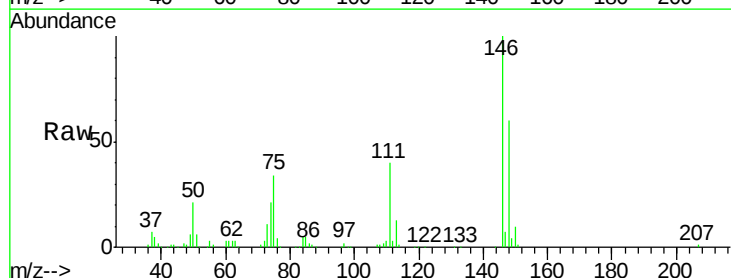
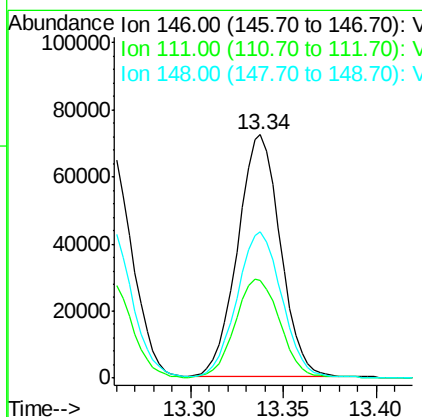
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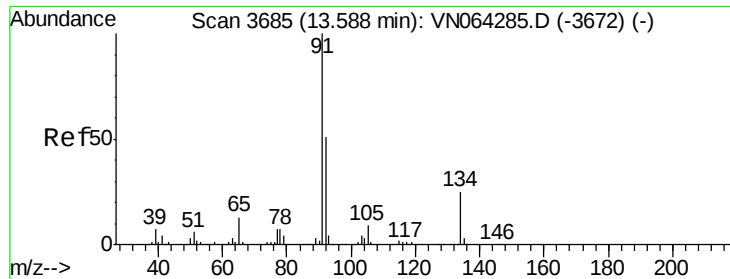
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#84
1,4-Dichlorobenzene
Concen: 16.984 ug/l
RT: 13.34 min Scan# 3607
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	115933		
111	42.7	20.3	61.0	
148	62.8	31.4	94.3	





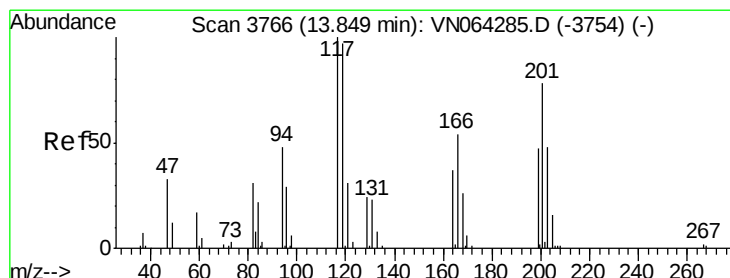
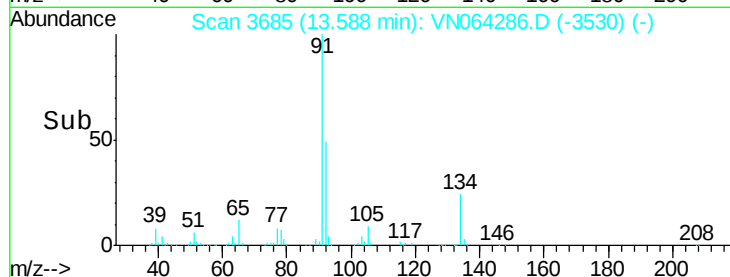
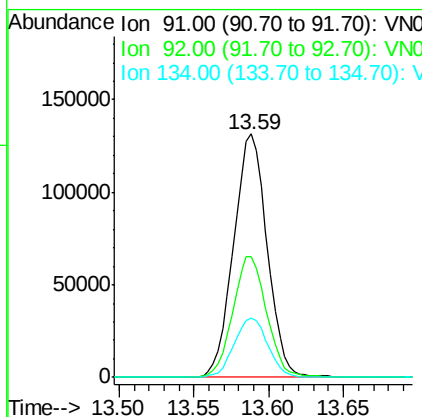
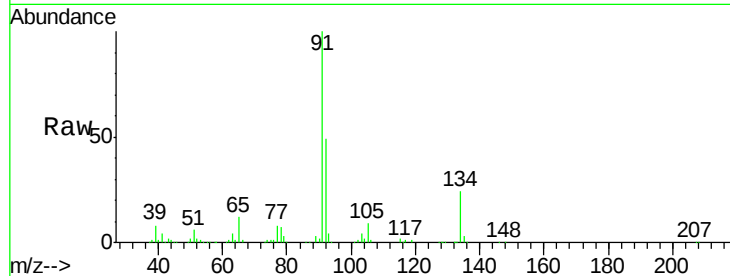
#85
n-Butylbenzene
Concen: 18.106 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102320

Tot Ion	Ratio	Resp	Lower	Upper
91	100	205401		
92	50.2		0.0	110.0
134	24.3		0.0	51.6

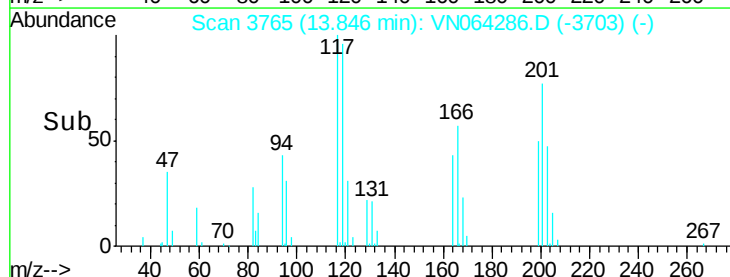
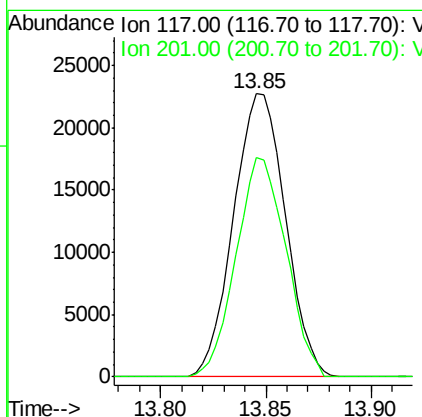
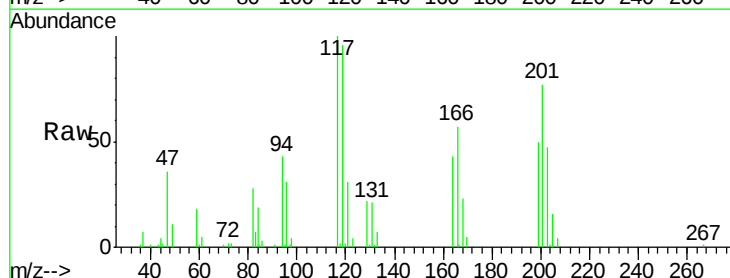
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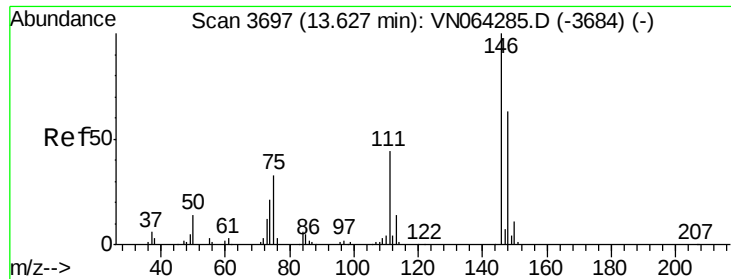
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#86
Hexachloroethane
Concen: 17.883 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064286.D
Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38929		
201	74.4		37.2	111.6





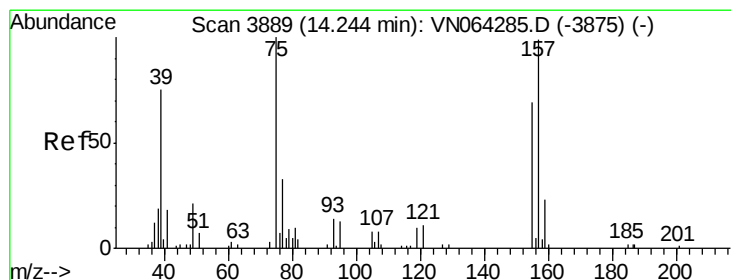
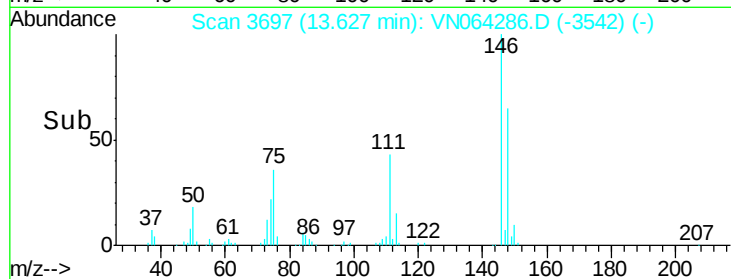
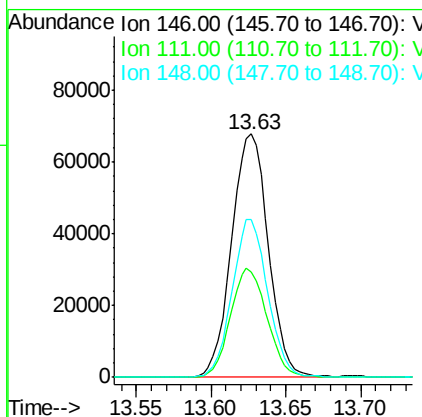
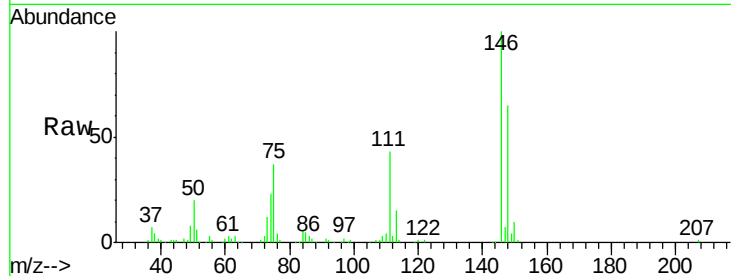
#87
 1,2-Dichlorobenzene
 Concen: 17.751 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064286.D
 Acq: 23 Oct 2020 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102320

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	23.1	69.3
148	62.9	32.3	96.8

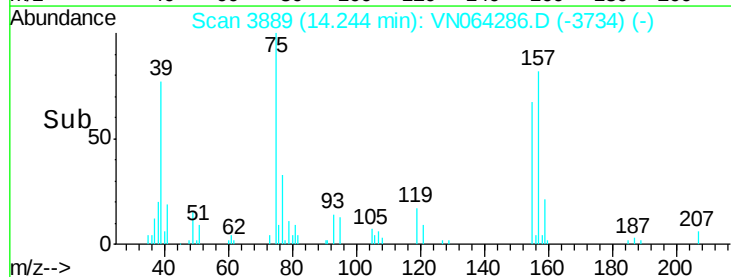
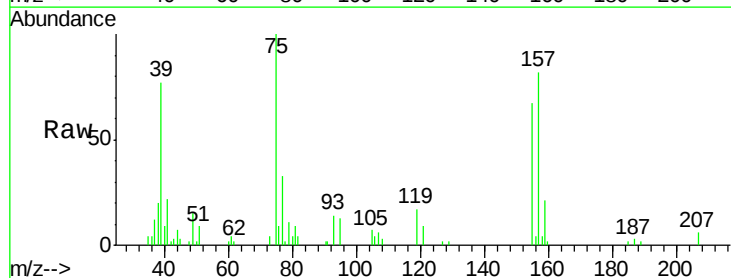
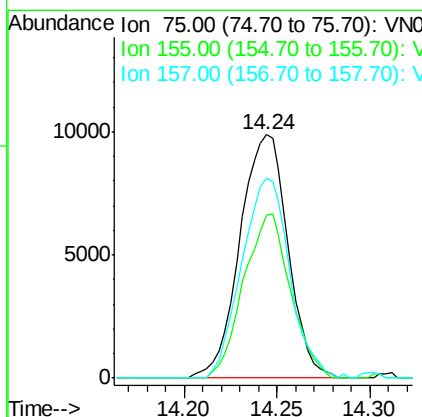
Manual Integrations
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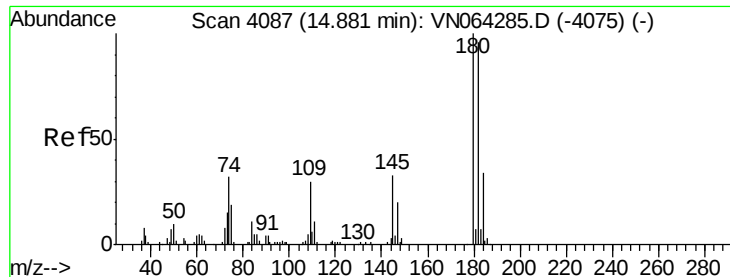
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.393 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064286.D
 Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.8	56.6	84.8
157	81.8	70.1	105.1





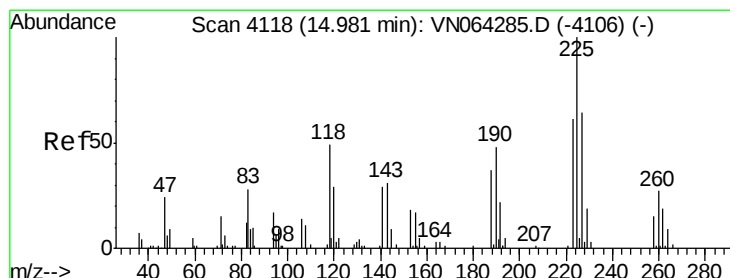
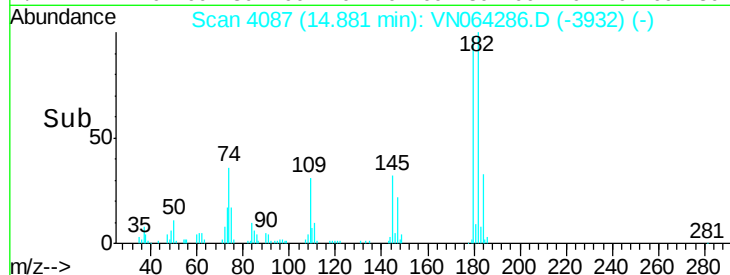
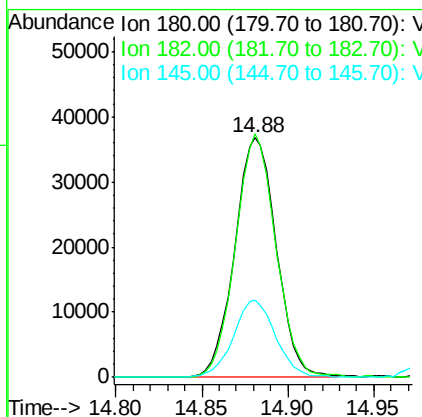
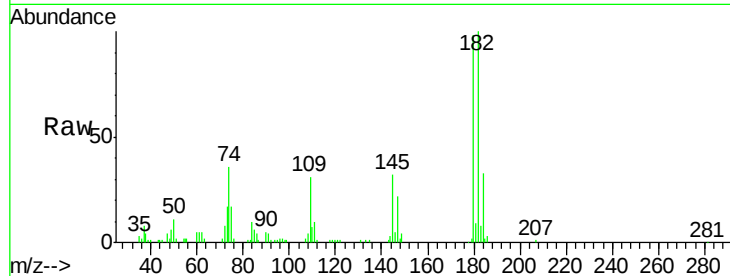
#89
 1,2,4-Trichlorobenzene
 Concen: 16.601 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064286.D
 Acq: 23 Oct 2020 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102320

Tot Ion	Ratio	Resp	Lower	Upper
180	100	61939		
182	98.3	71.3	106.9	
145	32.7	23.9	35.9	

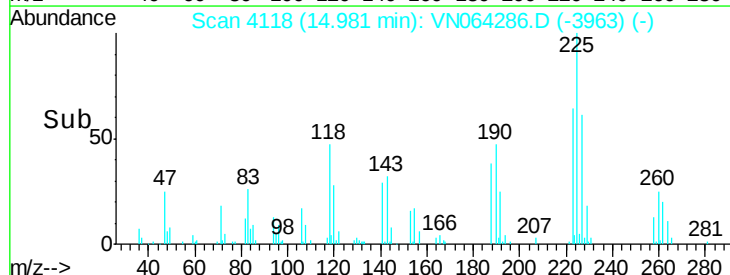
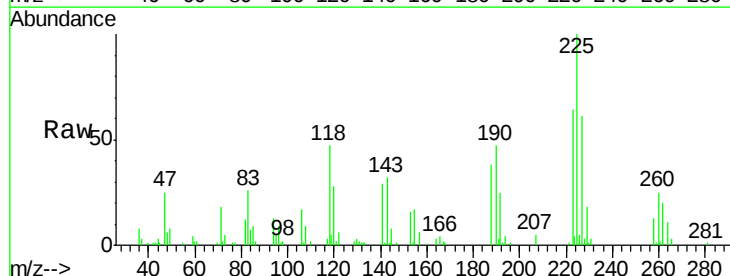
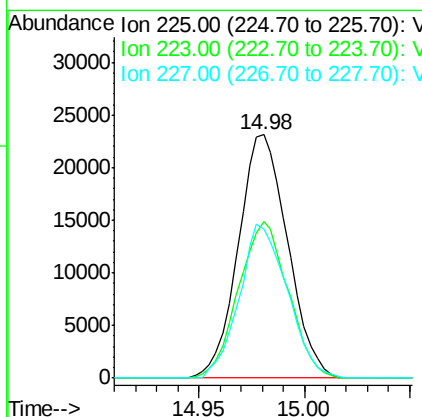
Manual Integrations
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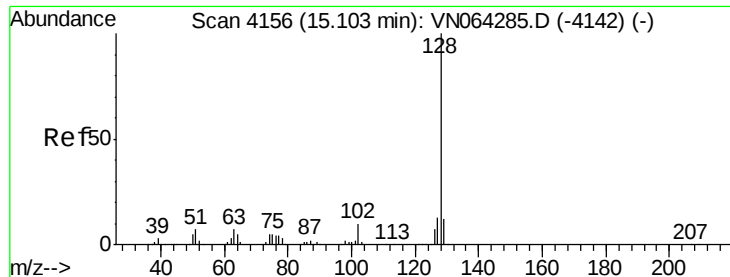
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 18.394 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064286.D
 Acq: 23 Oct 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37579		
223	64.7	0.0	129.8	
227	61.7	0.0	128.6	





#91

Naphthalene

Concen: 16.947 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Instrument :

MSVOA_N

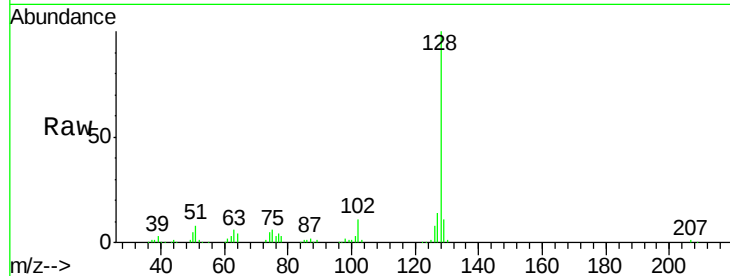
ClientSampleId :

ICVVN102320

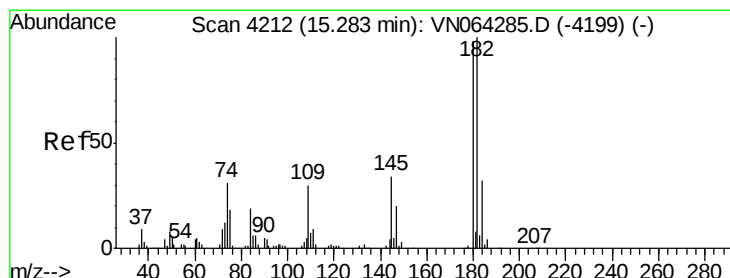
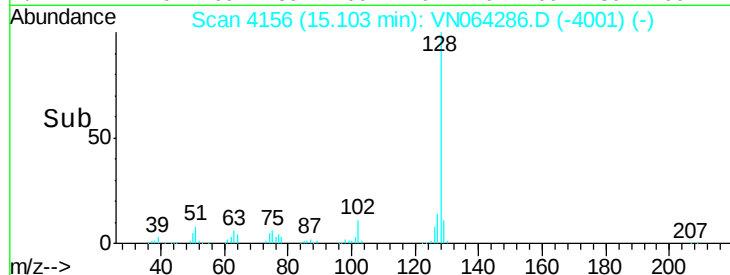
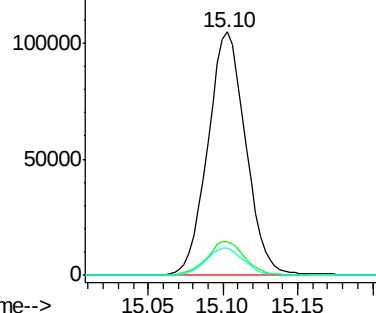
Tot Ion:	128	Resp:	184908
Ion Ratio	Lower	Upper	
128	100		
127	13.9	9.9	14.9
129	10.9	8.3	12.5

Manual Integrations
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MMDadoda
10/26/2020 1:38:53 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 16.681 ug/l

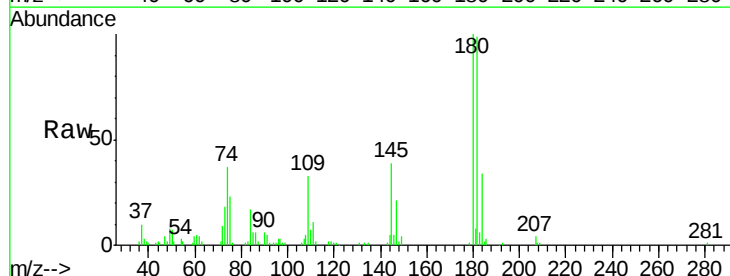
RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064286.D

Acq: 23 Oct 2020 14:58

Tgt Ion:	180	Resp:	59685
Ion Ratio	Lower	Upper	
180	100		
182	98.6	0.0	188.8
145	36.6	0.0	70.0



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

